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**National Highway
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**Final Report
Volume II: Appendices A-F**

Intelligent Cruise Control Field Operational Test

Technical Report Documentation Page

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15. Supplementary Notes

UMTRI's partners in the FOT are Automotive Distance Control Systems (ADC) GmbH, Haugen Associates, and the Michigan Department of Transportation. The Volpe National Transportation Systems Center is to produce a separate report as the independent evaluator.

16. Abstract

This document reports on a cooperative agreement between NHTSA and UMTRI entitled Intelligent Cruise Control (ICC) Field Operational Test (FOT). The main goal of the work is to characterize safety and comfort issues that are fundamental to human interactions with an automatic, but driver-supervised, headway-keeping system.

Volumes I and II of this report describe the work done to prepare and instrument a fleet of 10 passenger cars with infrared ranging sensors, headway-control algorithms, and driver interface units as needed to provide an adaptive-cruise-control (ACC) functionality, and these volumes present results and findings deriving from operational testing lasting from July 1996 to September 1997.

The vehicles were given to 108 volunteer drivers to use for two or five weeks as their personal cars. An extensive data base covering objective and subjective results has been assembled and analyzed.

The central finding presented here is that ACC is remarkably attractive to most drivers. The research indicates that, because ACC is so pleasing, people tend to utilize it over a broad range of conditions and to adopt tactics that prolong the time span of each continuous engagement. Notwithstanding having some concerns, field test participants were completely successful at operating ACC over some 35,000 miles of system engagement.

In examining the results, the researchers observe that the role played by the driver as the supervisor of ACC entails subtle issues whose long-term safety and traffic impacts are unknown. These issues pertain to the shared-control nature of ACC driving requiring a fine match to the perceptual and cognitive behavior of drivers in a safety-central task that affects others driving nearby. Thus, while offering great promise for improving the quality of the driving experience, ACC implies an inherent necessity for human-centered design.

Volume III of the report covers the operation of a serial string or dense cluster of passenger cars equipped with an ACC system (see separate documentation page in Volume III).

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Adaptive or Intelligent Cruise Control, Headway or Longitudinal Control, Crash Avoidance, ACC, ICC, Platoon, String, Cluster, Field Operational Test	Unrestricted

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None	None	530	

SI* (MODERN METRIC) CONVERSION FACTORS

APPROXIMATE CONVERSIONS TO SI UNITS

Symbol	When You Know	Multiply By	To Find	Symbol
		LENGTH		
in	inches	25.4	millimeters	mm
ft	feet	0.305	meters	m
yd	yards	0.914	meters	m
mi	miles	1.61	kilometers	km
		AREA		
in^2	square inches	645.2	square millimeters	mm^2
ft^2	square feet	0.093	square meters	m^2
yd^2	square yards	0.836	square meters	m^2
ac	acres	0.405	hectares	ha
mi^2	square miles	2.59	square kilometers	km^2
		VOLUME		
fl oz	fluid ounces	29.57	milliliters	mL
gal	gallons	3.785	liters	L
ft^3	cubic feet	0.028	cubic meters	m^3
yd^3	cubic yards	0.765	cubic meters	m^3
		MASS		
oz	ounces	28.35	grams	g
lb	pounds	0.454	kilograms	kg
T	short tons (2000 lb)	0.907	megagrams (or "metric ton")	Mg (or "t")
		TEMPERATURE (exact)		
°F	Fahrenheit temperature	5(F-32)/9 or (F-32)/1.8	Celcius temperature	°C
		ILLUMINATION		
fc	foot-candles	10.76	lux	lx
fl	foot-Lamberts	3.426	candela/m^2	cd/m^2
		FORCE and PRESSURE or STRESS		
lbf	poundforce	4.45	newtons	N
lbf/in^2	poundforce per square inch	6.89	kilopascals	kPa

APPROXIMATE CONVERSIONS FROM SI UNITS

Symbol	When You Know	Multiply By	To Find	Symbol
		LENGTH		
mm	millimeters	0.039	inches	in
m	meters	3.28	feet	ft
m	meters	1.09	yards	yd
km	kilometers	0.621	miles	mi
		AREA		
mm^2	square millimeters	0.0016	square inches	in^2
m^2	square meters	10.764	square feet	ft^2
m^2	square meters	1.195	square yards	yd^2
ha	hectares	2.47	acres	ac
km^2	square kilometers	0.386	square miles	mi^2
		VOLUME		
mL	milliliters	0.034	fluid ounces	fl oz
L	liters	0.264	gallons	gal
m^3	cubic meters	35.71	cubic feet	ft^3
m^3	cubic meters	1.307	cubic yards	yd^3
		MASS		
g	grams	0.035	ounces	oz
kg	kilograms	2.202	pounds	lb
Mg (or “t”)	megagrams (or "metric ton")	1.103	short tons (2000 lb)	T
		TEMPERATURE (exact)		
°C	Celcius temperature	1.8C + 32	Fahrenheit temperature	°F
		ILLUMINATION		
lx	lux	0.0929	foot-candles	fc
cd/m^2	candela/m^2	0.2919	foot-Lamberts	fl
		FORCE and PRESSURE or STRESS		
N	newtons	0.225	poundforce	lbf
kPa	kilopascals	0.145	poundforce per square inch	lbf/in^2

* SI is the symbol for the International System of Units. Appropriate rounding should be made to comply with Section 4 of ASTM E380.

(Revised September 1993)

TABLE OF CONTENTS VOLUME II

BACK TO VOLUME I

LINK TO VOLUME III

Appendix A

Description of the data archive as a permanent resource

A.1 Driver Database Documentation

Table: G

Columns

Name	*Type*	*Size*
GpsTime	Number (Double)	8
Latitude	Number (Single)	4
Longitude	Number (Single)	4
Altitude	Number (Single)	4
Grade	Number (Single)	4
Heading	Number (Single)	4

Table Indexes

Name	*Number of Fields*
GpsTime	1
Fields:	GpsTime, Ascending

Table: H

Columns

Name	*Type*	*Size*
Time	Number (Double)	8
VacTime	Number (Single)	4
Range	Number (Single)	4
RDot	Number (Single)	4
Velocity	Number (Single)	4
VSet	Number (Single)	4
VCommand	Number (Single)	4
Throttle	Number (Single)	4
Backscatter	Number (Single)	4
Vdot	Number (Single)	4
DegreeOfCurvature	Number (Single)	4
CDot	Number (Single)	4
Vp	Number (Single)	4
VpDot	Number (Single)	4
TimeToImpact	Number (Single)	4
DecelAvoid	Number (Single)	4
HeadwayTimeMargin	Number (Single)	4
Thpt30	Number (Single)	4
Dscore	Number (Single)	4
Tscore	Number (Single)	4
AccMode	Number (Integer)	2
Brake	Number (Byte)	1
Tracking	Number (Byte)	1
NewTarget	Number (Byte)	1
ValidTarget	Number (Byte)	1
BackScatterWarn	Number (Byte)	1
Near	Number (Byte)	1
Cutin	Number (Byte)	1
Following	Number (Byte)	1
Closing	Number (Byte)	1
Separating	Number (Byte)	1
AccFollowing	Number (Byte)	1
DNearEncounter	Number (Single)	4
AverageVDot	Number (Single)	4
AverageDNearEncounter	Number (Single)	4

Distance	Number (Single)	4

Table Indexes

Name	*Number of Fields*
Time	1
Fields:	Time, Ascending

Table: T

Columns

Name	*Type*	*Size*
Time	Number (Double)	8
ChannelID	Number (Long)	4
Duration	Number (Single)	4

Table: MegaT

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Time	Number (Double)	8
ChannelID	Number (Long)	4
Duration	Number (Single)	4

Table Indexes

Name	*Number of Fields*
ChannelID	1
Fields:	ChannelID, Ascending
DriverID	1
Fields:	DriverID, Ascending
PrimaryKey	4
Fields:	DriverID, Ascending TripID, Ascending Time, Ascending ChannelID, Ascending
Time	1
Fields:	Time, Ascending
TripID	1
Fields:	TripID, Ascending

A.2 ICC Database Documentation

Table: AccFollowingLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotAccFollowing	Number (Long)	4
AccFollowing	Number (Long)	4
LongestTimeNotAccFollowing	Number (Long)	4
LongestTimeAccFollowing	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False

Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: AccTrackingLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Transitions	Number (Long)	4
NotAccTracking	Number (Long)	4
AccTracking	Number (Long)	4
LongestTimeNotAccTracking	Number (Long)	4
LongestTimeAccTracking	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	2
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending

Table: BackScatterFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP30PT0	Number (Long)	4
P30PT5	Number (Long)	4
P31PT5	Number (Long)	4
P32PT5	Number (Long)	4
P33PT5	Number (Long)	4
P34PT5	Number (Long)	4
P35PT5	Number (Long)	4
P36PT5	Number (Long)	4
P37PT5	Number (Long)	4
P38PT5	Number (Long)	4
P39PT5	Number (Long)	4
P40PT5	Number (Long)	4
P41PT5	Number (Long)	4
P42PT5	Number (Long)	4
P43PT5	Number (Long)	4
P44PT5	Number (Long)	4
P45PT5	Number (Long)	4
P46PT5	Number (Long)	4
P47PT5	Number (Long)	4
P48PT5	Number (Long)	4
P49PT5	Number (Long)	4
P50PT5	Number (Long)	4
P51PT5	Number (Long)	4

P52PT5	Number (Long)	4
P53PT5	Number (Long)	4
P54PT5	Number (Long)	4
P55PT5	Number (Long)	4
P56PT5	Number (Long)	4
P57PT5	Number (Long)	4
P58PT5	Number (Long)	4
P59PT5	Number (Long)	4
P60PT5	Number (Long)	4
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P79PT5	Number (Long)	4
P80PT5	Number (Long)	4
P81PT5	Number (Long)	4
P82PT5	Number (Long)	4
P83PT5	Number (Long)	4
P84PT5	Number (Long)	4
P85PT5	Number (Long)	4
P86PT5	Number (Long)	4
P87PT5	Number (Long)	4
P88PT5	Number (Long)	4
P89PT5	Number (Long)	4
GTP90PT0	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	2
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending

Table: BackscatterWarnLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Vgt35	Number (Byte)	1
Transitions	Number (Long)	4
NotBackscatterWarn	Number (Long)	4
BackscatterWarn	Number (Long)	4
LongestTimeNotBackscatterWarn	Number (Long)	4
LongestTimeBackscatterWarn	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Vgt35, Ascending

Table: BlindedLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotBlinded	Number (Long)	4
Blinded	Number (Long)	4
LongestTimeNotBlinded	Number (Long)	4
LongestTimeBlinded	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: BrakeLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
WasEngaged	Number (Byte)	1
Transitions	Number (Long)	4
NotBrake	Number (Long)	4
Brake	Number (Long)	4
LongestTimeNotBrake	Number (Long)	4
LongestTimeBrake	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True

Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending WasEngaged, Ascending

Table: CDotFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTN2PT05	Number (Long)	4
N2PT00	Number (Long)	4
N1PT90	Number (Long)	4
N1PT80	Number (Long)	4
N1PT70	Number (Long)	4
N1PT60	Number (Long)	4
N1PT50	Number (Long)	4
N1PT40	Number (Long)	4
N1PT30	Number (Long)	4
N1PT20	Number (Long)	4
N1PT10	Number (Long)	4
N1PT00	Number (Long)	4
N0PT90	Number (Long)	4
N0PT80	Number (Long)	4
N0PT70	Number (Long)	4
N0PT60	Number (Long)	4
N0PT50	Number (Long)	4
N0PT40	Number (Long)	4
N0PT30	Number (Long)	4
N0PT20	Number (Long)	4
N0PT10	Number (Long)	4
P0PT00	Number (Long)	4
P0PT10	Number (Long)	4
P0PT20	Number (Long)	4
P0PT30	Number (Long)	4
P0PT40	Number (Long)	4
P0PT50	Number (Long)	4
P0PT60	Number (Long)	4
P0PT70	Number (Long)	4
P0PT80	Number (Long)	4
P0PT90	Number (Long)	4
P1PT00	Number (Long)	4
P1PT10	Number (Long)	4
P1PT20	Number (Long)	4
P1PT30	Number (Long)	4
P1PT40	Number (Long)	4
P1PT50	Number (Long)	4
P1PT60	Number (Long)	4
P1PT70	Number (Long)	4
P1PT80	Number (Long)	4
P1PT90	Number (Long)	4
P2PT00	Number (Long)	4
GTP2PT05	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False

Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: CleaningLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotCleaning	Number (Long)	4
Cleaning	Number (Long)	4
LongestTimeNotCleaning	Number (Long)	4
LongestTimeCleaning	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: ClosingLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotClosing	Number (Long)	4
Closing	Number (Long)	4
LongestTimeNotClosing	Number (Long)	4
LongestTimeClosing	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: CutinLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotCutin	Number (Long)	4
Cutin	Number (Long)	4
LongestTimeNotCutin	Number (Long)	4
LongestTimeCutin	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending
	TripID, Ascending
	Engaged, Ascending

Table: DecelAvoidFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP0PT000	Number (Long)	4
P0PT005	Number (Long)	4
P0PT015	Number (Long)	4
P0PT025	Number (Long)	4
P0PT035	Number (Long)	4
P0PT045	Number (Long)	4
P0PT055	Number (Long)	4
P0PT065	Number (Long)	4
P0PT075	Number (Long)	4
P0PT085	Number (Long)	4
P0PT095	Number (Long)	4
P0PT105	Number (Long)	4
P0PT115	Number (Long)	4
P0PT125	Number (Long)	4
P0PT135	Number (Long)	4
P0PT145	Number (Long)	4
P0PT155	Number (Long)	4
P0PT165	Number (Long)	4
P0PT175	Number (Long)	4
P0PT185	Number (Long)	4
P0PT195	Number (Long)	4
P0PT205	Number (Long)	4
P0PT215	Number (Long)	4
P0PT225	Number (Long)	4
P0PT235	Number (Long)	4
P0PT245	Number (Long)	4
P0PT255	Number (Long)	4

P0PT265	Number (Long)	4
P0PT275	Number (Long)	4
P0PT285	Number (Long)	4
P0PT295	Number (Long)	4
P0PT305	Number (Long)	4
P0PT315	Number (Long)	4
P0PT325	Number (Long)	4
P0PT335	Number (Long)	4
P0PT345	Number (Long)	4
P0PT355	Number (Long)	4
P0PT365	Number (Long)	4
P0PT375	Number (Long)	4
P0PT385	Number (Long)	4
P0PT395	Number (Long)	4
P0PT405	Number (Long)	4
P0PT415	Number (Long)	4
P0PT425	Number (Long)	4
P0PT435	Number (Long)	4
P0PT445	Number (Long)	4
P0PT455	Number (Long)	4
P0PT465	Number (Long)	4
P0PT475	Number (Long)	4
P0PT485	Number (Long)	4
P0PT495	Number (Long)	4
GTP0PT500	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: DegOfCurvatureFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTN15PT5	Number (Long)	4
N15PT0	Number (Long)	4
N14PT0	Number (Long)	4
N13PT0	Number (Long)	4
N12PT0	Number (Long)	4
N11PT0	Number (Long)	4
N10PT0	Number (Long)	4
N9PT0	Number (Long)	4
N8PT0	Number (Long)	4
N7PT0	Number (Long)	4
N6PT0	Number (Long)	4
N5PT0	Number (Long)	4
N4PT0	Number (Long)	4
N3PT0	Number (Long)	4
N2PT0	Number (Long)	4
N1PT0	Number (Long)	4

P0PT0	Number (Long)	4
P1PT0	Number (Long)	4
P2PT0	Number (Long)	4
P3PT0	Number (Long)	4
P4PT0	Number (Long)	4
P5PT0	Number (Long)	4
P6PT0	Number (Long)	4
P7PT0	Number (Long)	4
P8PT0	Number (Long)	4
P9PT0	Number (Long)	4
P10PT0	Number (Long)	4
P11PT0	Number (Long)	4
P12PT0	Number (Long)	4
P13PT0	Number (Long)	4
P14PT0	Number (Long)	4
P15PT0	Number (Long)	4
GTP15PT5	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: DScoreFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP0PT00	Number (Long)	4
P0PT05	Number (Long)	4
P0PT15	Number (Long)	4
P0PT25	Number (Long)	4
P0PT35	Number (Long)	4
P0PT45	Number (Long)	4
P0PT55	Number (Long)	4
P0PT65	Number (Long)	4
P0PT75	Number (Long)	4
P0PT85	Number (Long)	4
P0PT95	Number (Long)	4
GTP1PT00	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True

Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: DScoreRegionLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotDScoreRegion	Number (Long)	4
DScoreRegion	Number (Long)	4
LongestTimeNotDScoreRegion	Number (Long)	4
LongestTimeDScoreRegion	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: FlowFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP0PT05	Number (Long)	4
P0PT10	Number (Long)	4
P0PT20	Number (Long)	4
P0PT30	Number (Long)	4
P0PT40	Number (Long)	4
P0PT50	Number (Long)	4
P0PT60	Number (Long)	4
P0PT70	Number (Long)	4
P0PT80	Number (Long)	4
P0PT90	Number (Long)	4
P1PT00	Number (Long)	4
GTP1PT05	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True

Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: Flthists

Columns

Name	*Type*	*Size*
COUNT	Number (Long)	4
NAME	Text	20
SOURCE	Text	20
ENABLER	Text	20
CONDITION	Text	20
REFERENCE	Number (Double)	8
BIN_WIDTH	Number (Double)	8
MINIMUM	Number (Double)	8
MAXIMUM	Number (Double)	8
DIMENSIONS	Number (Double)	8

Table: FollowingLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotFollowing	Number (Long)	4
Following	Number (Long)	4
LongestTimeNotFollowing	Number (Long)	4
LongestTimeFollowing	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: HindranceFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP0PT00	Number (Long)	4
P0PT05	Number (Long)	4
P0PT15	Number (Long)	4
P0PT25	Number (Long)	4
P0PT35	Number (Long)	4
P0PT45	Number (Long)	4
P0PT55	Number (Long)	4

P0PT65	Number (Long)	4
P0PT75	Number (Long)	4
P0PT85	Number (Long)	4
P0PT95	Number (Long)	4
GTP1PT00	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	2
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending

Table: HtmFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP0PT05	Number (Long)	4
P0PT10	Number (Long)	4
P0PT20	Number (Long)	4
P0PT30	Number (Long)	4
P0PT40	Number (Long)	4
P0PT50	Number (Long)	4
P0PT60	Number (Long)	4
P0PT70	Number (Long)	4
P0PT80	Number (Long)	4
P0PT90	Number (Long)	4
P1PT00	Number (Long)	4
P1PT10	Number (Long)	4
P1PT20	Number (Long)	4
P1PT30	Number (Long)	4
P1PT40	Number (Long)	4
P1PT50	Number (Long)	4
P1PT60	Number (Long)	4
P1PT70	Number (Long)	4
P1PT80	Number (Long)	4
P1PT90	Number (Long)	4
P2PT00	Number (Long)	4
P2PT10	Number (Long)	4
P2PT20	Number (Long)	4
P2PT30	Number (Long)	4
P2PT40	Number (Long)	4
P2PT50	Number (Long)	4
P2PT60	Number (Long)	4
P2PT70	Number (Long)	4
P2PT80	Number (Long)	4
P2PT90	Number (Long)	4
P3PT00	Number (Long)	4
GTP3PT05	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False

Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: Loghists

Columns

Name	*Type*	*Size*
COUNT	Number (Long)	4
NAME	Text	24
SOURCE	Text	20
ENABLER	Text	20
CONDITION	Text	20
DIMENSIONS	Number (Double)	8

Table: LVpDotLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotLVpDot	Number (Long)	4
LVpDot	Number (Long)	4
LongestTimeNotLVpDot	Number (Long)	4
LongestTimeLVpDot	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: NearLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotNear	Number (Long)	4
Near	Number (Long)	4
LongestTimeNotNear	Number (Long)	4
LongestTimeNear	Number (Long)	4

Table Indexes

Name	*Number of Fields*

UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: NewTargetLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotNewTarget	Number (Long)	4
NewTarget	Number (Long)	4
LongestTimeNotNewTarget	Number (Long)	4
LongestTimeNewTarget	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: RangeFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Vgt35	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP10PT0	Number (Long)	4
P15PT0	Number (Long)	4
P25PT0	Number (Long)	4
P35PT0	Number (Long)	4
P45PT0	Number (Long)	4
P55PT0	Number (Long)	4
P65PT0	Number (Long)	4
P75PT0	Number (Long)	4
P85PT0	Number (Long)	4
P95PT0	Number (Long)	4
P105PT0	Number (Long)	4
P115PT0	Number (Long)	4
P125PT0	Number (Long)	4
P135PT0	Number (Long)	4
P145PT0	Number (Long)	4

P155PT0	Number (Long)	4
P165PT0	Number (Long)	4
P175PT0	Number (Long)	4
P185PT0	Number (Long)	4
P195PT0	Number (Long)	4
P205PT0	Number (Long)	4
P215PT0	Number (Long)	4
P225PT0	Number (Long)	4
P235PT0	Number (Long)	4
P245PT0	Number (Long)	4
P255PT0	Number (Long)	4
P265PT0	Number (Long)	4
P275PT0	Number (Long)	4
P285PT0	Number (Long)	4
P295PT0	Number (Long)	4
P305PT0	Number (Long)	4
P315PT0	Number (Long)	4
P325PT0	Number (Long)	4
P335PT0	Number (Long)	4
P345PT0	Number (Long)	4
P355PT0	Number (Long)	4
P365PT0	Number (Long)	4
P375PT0	Number (Long)	4
P385PT0	Number (Long)	4
P395PT0	Number (Long)	4
P405PT0	Number (Long)	4
P415PT0	Number (Long)	4
P425PT0	Number (Long)	4
P435PT0	Number (Long)	4
P445PT0	Number (Long)	4
P455PT0	Number (Long)	4
P465PT0	Number (Long)	4
P475PT0	Number (Long)	4
P485PT0	Number (Long)	4
P495PT0	Number (Long)	4
GTP500PT0	Number (Long)	4

Table Indexes

Name	***Number of Fields***
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Vgt35, Ascending

Table: RangeFollowingFhist

Columns

Name	***Type***	***Size***
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP30PT0	Number (Long)	4
P40PT0	Number (Long)	4
P60PT0	Number (Long)	4
P80PT0	Number (Long)	4
P100PT0	Number (Long)	4

P120PT0	Number (Long)	4
P140PT0	Number (Long)	4
P160PT0	Number (Long)	4
P180PT0	Number (Long)	4
P200PT0	Number (Long)	4
GTP210PT0	Number (Long)	4

Table Indexes

Name	***Number of Fields***
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: RangeVgt35Fhist

Columns

Name	***Type***	***Size***
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP10PT0	Number (Long)	4
P15PT0	Number (Long)	4
P25PT0	Number (Long)	4
P35PT0	Number (Long)	4
P45PT0	Number (Long)	4
P55PT0	Number (Long)	4
P65PT0	Number (Long)	4
P75PT0	Number (Long)	4
P85PT0	Number (Long)	4
P95PT0	Number (Long)	4
P105PT0	Number (Long)	4
P115PT0	Number (Long)	4
P125PT0	Number (Long)	4
P135PT0	Number (Long)	4
P145PT0	Number (Long)	4
P155PT0	Number (Long)	4
P165PT0	Number (Long)	4
P175PT0	Number (Long)	4
P185PT0	Number (Long)	4
P195PT0	Number (Long)	4
P205PT0	Number (Long)	4
P215PT0	Number (Long)	4
P225PT0	Number (Long)	4
P235PT0	Number (Long)	4
P245PT0	Number (Long)	4
P255PT0	Number (Long)	4
P265PT0	Number (Long)	4
P275PT0	Number (Long)	4
P285PT0	Number (Long)	4
P295PT0	Number (Long)	4
P305PT0	Number (Long)	4
P315PT0	Number (Long)	4
P325PT0	Number (Long)	4
P335PT0	Number (Long)	4
P345PT0	Number (Long)	4

P355PT0	Number (Long)	4
P365PT0	Number (Long)	4
P375PT0	Number (Long)	4
P385PT0	Number (Long)	4
P395PT0	Number (Long)	4
P405PT0	Number (Long)	4
P415PT0	Number (Long)	4
P425PT0	Number (Long)	4
P435PT0	Number (Long)	4
P445PT0	Number (Long)	4
P455PT0	Number (Long)	4
P465PT0	Number (Long)	4
P475PT0	Number (Long)	4
P485PT0	Number (Long)	4
P495PT0	Number (Long)	4
GTP500PT0	Number (Long)	4

Table Indexes

Name	***Number of Fields***
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: RDotFhist

Columns

Name	***Type***	***Size***
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Vgt35	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTN121PT0	Number (Long)	4
N120PT0	Number (Long)	4
N118PT0	Number (Long)	4
N116PT0	Number (Long)	4
N114PT0	Number (Long)	4
N112PT0	Number (Long)	4
N110PT0	Number (Long)	4
N108PT0	Number (Long)	4
N106PT0	Number (Long)	4
N104PT0	Number (Long)	4
N102PT0	Number (Long)	4
N100PT0	Number (Long)	4
N98PT0	Number (Long)	4
N96PT0	Number (Long)	4
N94PT0	Number (Long)	4
N92PT0	Number (Long)	4
N90PT0	Number (Long)	4
N88PT0	Number (Long)	4
N86PT0	Number (Long)	4
N84PT0	Number (Long)	4
N82PT0	Number (Long)	4
N80PT0	Number (Long)	4
N78PT0	Number (Long)	4
N76PT0	Number (Long)	4
N74PT0	Number (Long)	4

N72PT0	Number (Long)	4
N70PT0	Number (Long)	4
N68PT0	Number (Long)	4
N66PT0	Number (Long)	4
N64PT0	Number (Long)	4
N62PT0	Number (Long)	4
N60PT0	Number (Long)	4
N58PT0	Number (Long)	4
N56PT0	Number (Long)	4
N54PT0	Number (Long)	4
N52PT0	Number (Long)	4
N50PT0	Number (Long)	4
N48PT0	Number (Long)	4
N46PT0	Number (Long)	4
N44PT0	Number (Long)	4
N42PT0	Number (Long)	4
N40PT0	Number (Long)	4
N38PT0	Number (Long)	4
N36PT0	Number (Long)	4
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N26PT0	Number (Long)	4
N24PT0	Number (Long)	4
N22PT0	Number (Long)	4
N20PT0	Number (Long)	4
N18PT0	Number (Long)	4
N16PT0	Number (Long)	4
N14PT0	Number (Long)	4
N12PT0	Number (Long)	4
N10PT0	Number (Long)	4
N8PT0	Number (Long)	4
N6PT0	Number (Long)	4
N4PT0	Number (Long)	4
N2PT0	Number (Long)	4
P0PT0	Number (Long)	4
P2PT0	Number (Long)	4
P4PT0	Number (Long)	4
P6PT0	Number (Long)	4
P8PT0	Number (Long)	4
P10PT0	Number (Long)	4
P12PT0	Number (Long)	4
P14PT0	Number (Long)	4
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P20PT0	Number (Long)	4
P22PT0	Number (Long)	4
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P32PT0	Number (Long)	4
P34PT0	Number (Long)	4
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P40PT0	Number (Long)	4
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P44PT0	Number (Long)	4
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P48PT0	Number (Long)	4
P50PT0	Number (Long)	4
P52PT0	Number (Long)	4
P54PT0	Number (Long)	4
P56PT0	Number (Long)	4
P58PT0	Number (Long)	4
P60PT0	Number (Long)	4
P62PT0	Number (Long)	4
P64PT0	Number (Long)	4
P66PT0	Number (Long)	4

P68PT0	Number (Long)	4
P70PT0	Number (Long)	4
P72PT0	Number (Long)	4
P74PT0	Number (Long)	4
P76PT0	Number (Long)	4
P78PT0	Number (Long)	4
P80PT0	Number (Long)	4
P82PT0	Number (Long)	4
P84PT0	Number (Long)	4
P86PT0	Number (Long)	4
P88PT0	Number (Long)	4
P90PT0	Number (Long)	4
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P100PT0	Number (Long)	4
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P104PT0	Number (Long)	4
P106PT0	Number (Long)	4
P108PT0	Number (Long)	4
P110PT0	Number (Long)	4
P112PT0	Number (Long)	4
P114PT0	Number (Long)	4
P116PT0	Number (Long)	4
P118PT0	Number (Long)	4
P120PT0	Number (Long)	4
GTP121PT0	Number (Long)	4

Table Indexes

Name	***Number of Fields***
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Vgt35, Ascending

Table: RDotVgt35Fhist

Columns

Name	***Type***	***Size***
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTN121PT0	Number (Long)	4
N120PT0	Number (Long)	4
N118PT0	Number (Long)	4
N116PT0	Number (Long)	4
N114PT0	Number (Long)	4
N112PT0	Number (Long)	4
N110PT0	Number (Long)	4
N108PT0	Number (Long)	4
N106PT0	Number (Long)	4
N104PT0	Number (Long)	4
N102PT0	Number (Long)	4
N100PT0	Number (Long)	4
N98PT0	Number (Long)	4

N96PT0	Number (Long)	4
N94PT0	Number (Long)	4
N92PT0	Number (Long)	4
N90PT0	Number (Long)	4
N88PT0	Number (Long)	4
N86PT0	Number (Long)	4
N84PT0	Number (Long)	4
N82PT0	Number (Long)	4
N80PT0	Number (Long)	4
N78PT0	Number (Long)	4
N76PT0	Number (Long)	4
N74PT0	Number (Long)	4
N72PT0	Number (Long)	4
N70PT0	Number (Long)	4
N68PT0	Number (Long)	4
N66PT0	Number (Long)	4
N64PT0	Number (Long)	4
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N50PT0	Number (Long)	4
N48PT0	Number (Long)	4
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N44PT0	Number (Long)	4
N42PT0	Number (Long)	4
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N22PT0	Number (Long)	4
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N10PT0	Number (Long)	4
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N6PT0	Number (Long)	4
N4PT0	Number (Long)	4
N2PT0	Number (Long)	4
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P4PT0	Number (Long)	4
P6PT0	Number (Long)	4
P8PT0	Number (Long)	4
P10PT0	Number (Long)	4
P12PT0	Number (Long)	4
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P24PT0	Number (Long)	4
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P32PT0	Number (Long)	4
P34PT0	Number (Long)	4
P36PT0	Number (Long)	4
P38PT0	Number (Long)	4
P40PT0	Number (Long)	4
P42PT0	Number (Long)	4

P44PT0	Number (Long)	4
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P54PT0	Number (Long)	4
P56PT0	Number (Long)	4
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P60PT0	Number (Long)	4
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P68PT0	Number (Long)	4
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P80PT0	Number (Long)	4
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P90PT0	Number (Long)	4
P92PT0	Number (Long)	4
P94PT0	Number (Long)	4
P96PT0	Number (Long)	4
P98PT0	Number (Long)	4
P100PT0	Number (Long)	4
P102PT0	Number (Long)	4
P104PT0	Number (Long)	4
P106PT0	Number (Long)	4
P108PT0	Number (Long)	4
P110PT0	Number (Long)	4
P112PT0	Number (Long)	4
P114PT0	Number (Long)	4
P116PT0	Number (Long)	4
P118PT0	Number (Long)	4
P120PT0	Number (Long)	4
GTP121PT0	Number (Long)	4

Table Indexes

Name	***Number of Fields***
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: ReducedRangeLhist

Columns

Name	***Type***	***Size***
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotReducedRange	Number (Long)	4
ReducedRange	Number (Long)	4
LongestTimeNotReducedRange	Number (Long)	4
LongestTimeReducedRange	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: RRDotFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
RDotCenters	Number (Single)	4
P0PT30	Number (Long)	4
P0PT40	Number (Long)	4
P0PT50	Number (Long)	4
P0PT60	Number (Long)	4
P0PT70	Number (Long)	4
P0PT80	Number (Long)	4
P0PT90	Number (Long)	4
P1PT00	Number (Long)	4
P1PT10	Number (Long)	4
P1PT20	Number (Long)	4
P1PT30	Number (Long)	4
P1PT40	Number (Long)	4
P1PT50	Number (Long)	4
P1PT60	Number (Long)	4
P1PT70	Number (Long)	4
P1PT80	Number (Long)	4
P1PT90	Number (Long)	4
P2PT00	Number (Long)	4
P2PT10	Number (Long)	4
P2PT20	Number (Long)	4
P2PT30	Number (Long)	4
P2PT40	Number (Long)	4
P2PT50	Number (Long)	4
P2PT60	Number (Long)	4
P2PT70	Number (Long)	4
P2PT80	Number (Long)	4
P2PT90	Number (Long)	4
P3PT00	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	4
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending RDotCenters, Ascending

Table: RRDotPtsFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
TotalCount	Number (Long)	4
TotalOutside	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: SeparatingLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotSeparating	Number (Long)	4
Separating	Number (Long)	4
LongestTimeNotSeparating	Number (Long)	4
LongestTimeSeparating	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: Thpt03Fhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP0PT05	Number (Long)	4

P0PT10	Number (Long)	4
P0PT20	Number (Long)	4
P0PT30	Number (Long)	4
P0PT40	Number (Long)	4
P0PT50	Number (Long)	4
P0PT60	Number (Long)	4
P0PT70	Number (Long)	4
P0PT80	Number (Long)	4
P0PT90	Number (Long)	4
P1PT00	Number (Long)	4
P1PT10	Number (Long)	4
P1PT20	Number (Long)	4
P1PT30	Number (Long)	4
P1PT40	Number (Long)	4
P1PT50	Number (Long)	4
P1PT60	Number (Long)	4
P1PT70	Number (Long)	4
P1PT80	Number (Long)	4
P1PT90	Number (Long)	4
P2PT00	Number (Long)	4
P2PT10	Number (Long)	4
P2PT20	Number (Long)	4
P2PT30	Number (Long)	4
P2PT40	Number (Long)	4
P2PT50	Number (Long)	4
P2PT60	Number (Long)	4
P2PT70	Number (Long)	4
P2PT80	Number (Long)	4
P2PT90	Number (Long)	4
P3PT00	Number (Long)	4
GTP3PT05	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: ThrottleFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP0PT0	Number (Long)	4
P0PT5	Number (Long)	4
P1PT5	Number (Long)	4
P2PT5	Number (Long)	4
P3PT5	Number (Long)	4
P4PT5	Number (Long)	4
P5PT5	Number (Long)	4
P6PT5	Number (Long)	4
P7PT5	Number (Long)	4
P8PT5	Number (Long)	4

P9PT5	Number (Long)	4
P10PT5	Number (Long)	4
P11PT5	Number (Long)	4
P12PT5	Number (Long)	4
P13PT5	Number (Long)	4
P14PT5	Number (Long)	4
P15PT5	Number (Long)	4
P16PT5	Number (Long)	4
P17PT5	Number (Long)	4
P18PT5	Number (Long)	4
P19PT5	Number (Long)	4
P20PT5	Number (Long)	4
P21PT5	Number (Long)	4
P22PT5	Number (Long)	4
P23PT5	Number (Long)	4
P24PT5	Number (Long)	4
P25PT5	Number (Long)	4
P26PT5	Number (Long)	4
P27PT5	Number (Long)	4
P28PT5	Number (Long)	4
P29PT5	Number (Long)	4
P30PT5	Number (Long)	4
P31PT5	Number (Long)	4
P32PT5	Number (Long)	4
P33PT5	Number (Long)	4
P34PT5	Number (Long)	4
P35PT5	Number (Long)	4
P36PT5	Number (Long)	4
P37PT5	Number (Long)	4
P38PT5	Number (Long)	4
P39PT5	Number (Long)	4
P40PT5	Number (Long)	4
P41PT5	Number (Long)	4
P42PT5	Number (Long)	4
P43PT5	Number (Long)	4
P44PT5	Number (Long)	4
P45PT5	Number (Long)	4
P46PT5	Number (Long)	4
P47PT5	Number (Long)	4
P48PT5	Number (Long)	4
P49PT5	Number (Long)	4
P50PT5	Number (Long)	4
P51PT5	Number (Long)	4
P52PT5	Number (Long)	4
P53PT5	Number (Long)	4
P54PT5	Number (Long)	4
P55PT5	Number (Long)	4
P56PT5	Number (Long)	4
P57PT5	Number (Long)	4
P58PT5	Number (Long)	4
P59PT5	Number (Long)	4
P60PT5	Number (Long)	4
P61PT5	Number (Long)	4
P62PT5	Number (Long)	4
P63PT5	Number (Long)	4
P64PT5	Number (Long)	4
P65PT5	Number (Long)	4
P66PT5	Number (Long)	4
P67PT5	Number (Long)	4
P68PT5	Number (Long)	4
P69PT5	Number (Long)	4
P70PT5	Number (Long)	4
P71PT5	Number (Long)	4
P72PT5	Number (Long)	4
P73PT5	Number (Long)	4
P74PT5	Number (Long)	4
P75PT5	Number (Long)	4
P76PT5	Number (Long)	4
P77PT5	Number (Long)	4
P78PT5	Number (Long)	4

P79PT5	Number (Long)	4
P80PT5	Number (Long)	4
P81PT5	Number (Long)	4
P82PT5	Number (Long)	4
P83PT5	Number (Long)	4
P84PT5	Number (Long)	4
P85PT5	Number (Long)	4
P86PT5	Number (Long)	4
P87PT5	Number (Long)	4
P88PT5	Number (Long)	4
P89PT5	Number (Long)	4
P90PT5	Number (Long)	4
P91PT5	Number (Long)	4
P92PT5	Number (Long)	4
P93PT5	Number (Long)	4
P94PT5	Number (Long)	4
P95PT5	Number (Long)	4
P96PT5	Number (Long)	4
P97PT5	Number (Long)	4
P98PT5	Number (Long)	4
P99PT5	Number (Long)	4
GTP100PT0	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: TimeToImpactFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP2PT5	Number (Long)	4
P3PT0	Number (Long)	4
P4PT0	Number (Long)	4
P5PT0	Number (Long)	4
P6PT0	Number (Long)	4
P7PT0	Number (Long)	4
P8PT0	Number (Long)	4
P9PT0	Number (Long)	4
P10PT0	Number (Long)	4
P11PT0	Number (Long)	4
P12PT0	Number (Long)	4
P13PT0	Number (Long)	4
P14PT0	Number (Long)	4
P15PT0	Number (Long)	4
P16PT0	Number (Long)	4
P17PT0	Number (Long)	4
P18PT0	Number (Long)	4
P19PT0	Number (Long)	4
P20PT0	Number (Long)	4

GTP20PT5	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: TrackingErrorFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTN35PT0	Number (Long)	4
N30PT0	Number (Long)	4
N20PT0	Number (Long)	4
N10PT0	Number (Long)	4
P0PT0	Number (Long)	4
P10PT0	Number (Long)	4
P20PT0	Number (Long)	4
P30PT0	Number (Long)	4
GTP35PT0	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	2
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending

Table: TrackingLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotTracking	Number (Long)	4
Tracking	Number (Long)	4
LongestTimeNotTracking	Number (Long)	4
LongestTimeTracking	Number (Long)	4

Table Indexes

Name	*Number of Fields*

UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: TripTable

Columns

Name	*Type*	*Size*
Version	Number (Integer)	2
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
StartTime	Number (Double)	8
EndTime	Number (Double)	8
Duration	Number (Single)	4
StartLatitude	Number (Single)	4
StartLongitude	Number (Single)	4
StartAltitude	Number (Single)	4
EndLatitude	Number (Single)	4
EndLongitude	Number (Single)	4
EndAltitude	Number (Single)	4
Distance	Number (Single)	4
DistanceEngaged	Number (Single)	4
AccEnable	Number (Long)	4
AccOn	Number (Long)	4
Set	Number (Long)	4
Coast	Number (Long)	4
Resume	Number (Long)	4
Accel	Number (Long)	4
Brake	Number (Long)	4
Cancel	Number (Long)	4
Tracking	Number (Long)	4
ValidTarget	Number (Long)	4
NewTarget	Number (Long)	4
Cleaning	Number (Long)	4
Blinded	Number (Long)	4
ReducedRange	Number (Long)	4
DownShift	Number (Long)	4
Stopped	Number (Long)	4
Engaged	Number (Long)	4
Concern	Number (Long)	4
Vgt50	Number (Long)	4
AccBi	Number (Long)	4
CccBi	Number (Long)	4
Man1Bi	Number (Long)	4
Man2Bi	Number (Long)	4
AccNe	Number (Long)	4
CccNe	Number (Long)	4
Man1Ne	Number (Long)	4
Man2Ne	Number (Long)	4
EcuError	Number (Long)	4
OdinError	Number (Long)	4
VacError	Number (Long)	4
GpsError	Number (Long)	4
FileError	Number (Long)	4
NetworkError	Number (Long)	4
SystemError	Number (Long)	4

Table Indexes

Name	*Number of Fields*

UniqueID	2
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending

Table: TScoreFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP0PT00	Number (Long)	4
P0PT05	Number (Long)	4
P0PT15	Number (Long)	4
P0PT25	Number (Long)	4
P0PT35	Number (Long)	4
P0PT45	Number (Long)	4
P0PT55	Number (Long)	4
P0PT65	Number (Long)	4
P0PT75	Number (Long)	4
P0PT85	Number (Long)	4
P0PT95	Number (Long)	4
GTP1PT00	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: TScoreRegionLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotTScoreRegion	Number (Long)	4
TScoreRegion	Number (Long)	4
LongestTimeNotTScoreRegion	Number (Long)	4
LongestTimeTScoreRegion	Number (Long)	4

Table Indexes

Name	*Number of Fields*

UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: UpdateLog

Columns

Name	*Type*	*Size*
Date	Date/Time	8
Time	Date/Time	8
Table or Object Name	Text	255
Person or Form Name	Text	255
Form Version	Text	50
Description of Change	Text	255

Table: ValidTargetLhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotValidTarget	Number (Long)	4
ValidTarget	Number (Long)	4
LongestTimeNotValidTarget	Number (Long)	4
LongestTimeValidTarget	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: ValidTargetVgt35Lhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotValidTargetVgt35	Number (Long)	4
ValidTargetVgt35	Number (Long)	4
LongestTimeNotValidTargetVgt35	Number (Long)	4
LongestTimeValidTargetVgt35	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: ValidTargetVgt50Lhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Transitions	Number (Long)	4
NotValidTargetVgt50	Number (Long)	4
ValidTargetVgt50	Number (Long)	4
LongestTimeNotValidTargetVgt50	Number (Long)	4
LongestTimeValidTargetVgt50	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: VCommandFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTN2PT8	Number (Long)	4
N0PT6	Number (Long)	4
P3PT8	Number (Long)	4
P8PT2	Number (Long)	4
P12PT6	Number (Long)	4
P17PT0	Number (Long)	4
P21PT4	Number (Long)	4
P25PT8	Number (Long)	4
P30PT2	Number (Long)	4
P34PT6	Number (Long)	4
P39PT0	Number (Long)	4
P43PT4	Number (Long)	4

P47PT8	Number (Long)	4
P52PT2	Number (Long)	4
P56PT6	Number (Long)	4
P61PT0	Number (Long)	4
P65PT4	Number (Long)	4
P69PT8	Number (Long)	4
P74PT2	Number (Long)	4
P78PT6	Number (Long)	4
P83PT0	Number (Long)	4
P87PT4	Number (Long)	4
P91PT8	Number (Long)	4
P96PT2	Number (Long)	4
P100PT6	Number (Long)	4
P105PT0	Number (Long)	4
P109PT4	Number (Long)	4
P113PT8	Number (Long)	4
P118PT2	Number (Long)	4
P122PT6	Number (Long)	4
P127PT0	Number (Long)	4
P131PT4	Number (Long)	4
GTP133PT6	Number (Long)	4

Table Indexes

Name	***Number of Fields***
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: VDotFhist

Columns

Name	***Type***	***Size***
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Vgt35	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTN0PT505	Number (Long)	4
N0PT500	Number (Long)	4
N0PT490	Number (Long)	4
N0PT480	Number (Long)	4
N0PT470	Number (Long)	4
N0PT460	Number (Long)	4
N0PT450	Number (Long)	4
N0PT440	Number (Long)	4
N0PT430	Number (Long)	4
N0PT420	Number (Long)	4
N0PT410	Number (Long)	4
N0PT400	Number (Long)	4
N0PT390	Number (Long)	4
N0PT380	Number (Long)	4
N0PT370	Number (Long)	4
N0PT360	Number (Long)	4
N0PT350	Number (Long)	4
N0PT340	Number (Long)	4
N0PT330	Number (Long)	4
N0PT320	Number (Long)	4

N0PT310	Number (Long)	4
N0PT300	Number (Long)	4
N0PT290	Number (Long)	4
N0PT280	Number (Long)	4
N0PT270	Number (Long)	4
N0PT260	Number (Long)	4
N0PT250	Number (Long)	4
N0PT240	Number (Long)	4
N0PT230	Number (Long)	4
N0PT220	Number (Long)	4
N0PT210	Number (Long)	4
N0PT200	Number (Long)	4
N0PT190	Number (Long)	4
N0PT180	Number (Long)	4
N0PT170	Number (Long)	4
N0PT160	Number (Long)	4
N0PT150	Number (Long)	4
N0PT140	Number (Long)	4
N0PT130	Number (Long)	4
N0PT120	Number (Long)	4
N0PT110	Number (Long)	4
N0PT100	Number (Long)	4
N0PT090	Number (Long)	4
N0PT080	Number (Long)	4
N0PT070	Number (Long)	4
N0PT060	Number (Long)	4
N0PT050	Number (Long)	4
N0PT040	Number (Long)	4
N0PT030	Number (Long)	4
N0PT020	Number (Long)	4
N0PT010	Number (Long)	4
P0PT000	Number (Long)	4
P0PT010	Number (Long)	4
P0PT020	Number (Long)	4
P0PT030	Number (Long)	4
P0PT040	Number (Long)	4
P0PT050	Number (Long)	4
P0PT060	Number (Long)	4
P0PT070	Number (Long)	4
P0PT080	Number (Long)	4
P0PT090	Number (Long)	4
P0PT100	Number (Long)	4
P0PT110	Number (Long)	4
P0PT120	Number (Long)	4
P0PT130	Number (Long)	4
P0PT140	Number (Long)	4
P0PT150	Number (Long)	4
P0PT160	Number (Long)	4
P0PT170	Number (Long)	4
P0PT180	Number (Long)	4
P0PT190	Number (Long)	4
P0PT200	Number (Long)	4
P0PT210	Number (Long)	4
P0PT220	Number (Long)	4
P0PT230	Number (Long)	4
P0PT240	Number (Long)	4
P0PT250	Number (Long)	4
P0PT260	Number (Long)	4
P0PT270	Number (Long)	4
P0PT280	Number (Long)	4
P0PT290	Number (Long)	4
P0PT300	Number (Long)	4
P0PT310	Number (Long)	4
P0PT320	Number (Long)	4
P0PT330	Number (Long)	4
P0PT340	Number (Long)	4
P0PT350	Number (Long)	4
P0PT360	Number (Long)	4
P0PT370	Number (Long)	4
P0PT380	Number (Long)	4

P0PT390	Number (Long)	4
P0PT400	Number (Long)	4
P0PT410	Number (Long)	4
P0PT420	Number (Long)	4
P0PT430	Number (Long)	4
P0PT440	Number (Long)	4
P0PT450	Number (Long)	4
P0PT460	Number (Long)	4
P0PT470	Number (Long)	4
P0PT480	Number (Long)	4
P0PT490	Number (Long)	4
P0PT500	Number (Long)	4
GTP0PT505	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Vgt35, Ascending

Table: VDotVgt35Fhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTN0PT505	Number (Long)	4
N0PT500	Number (Long)	4
N0PT490	Number (Long)	4
N0PT480	Number (Long)	4
N0PT470	Number (Long)	4
N0PT460	Number (Long)	4
N0PT450	Number (Long)	4
N0PT440	Number (Long)	4
N0PT430	Number (Long)	4
N0PT420	Number (Long)	4
N0PT410	Number (Long)	4
N0PT400	Number (Long)	4
N0PT390	Number (Long)	4
N0PT380	Number (Long)	4
N0PT370	Number (Long)	4
N0PT360	Number (Long)	4
N0PT350	Number (Long)	4
N0PT340	Number (Long)	4
N0PT330	Number (Long)	4
N0PT320	Number (Long)	4
N0PT310	Number (Long)	4
N0PT300	Number (Long)	4
N0PT290	Number (Long)	4
N0PT280	Number (Long)	4
N0PT270	Number (Long)	4
N0PT260	Number (Long)	4
N0PT250	Number (Long)	4
N0PT240	Number (Long)	4

N0PT230	Number (Long)	4
N0PT220	Number (Long)	4
N0PT210	Number (Long)	4
N0PT200	Number (Long)	4
N0PT190	Number (Long)	4
N0PT180	Number (Long)	4
N0PT170	Number (Long)	4
N0PT160	Number (Long)	4
N0PT150	Number (Long)	4
N0PT140	Number (Long)	4
N0PT130	Number (Long)	4
N0PT120	Number (Long)	4
N0PT110	Number (Long)	4
N0PT100	Number (Long)	4
N0PT090	Number (Long)	4
N0PT080	Number (Long)	4
N0PT070	Number (Long)	4
N0PT060	Number (Long)	4
N0PT050	Number (Long)	4
N0PT040	Number (Long)	4
N0PT030	Number (Long)	4
N0PT020	Number (Long)	4
N0PT010	Number (Long)	4
P0PT000	Number (Long)	4
P0PT010	Number (Long)	4
P0PT020	Number (Long)	4
P0PT030	Number (Long)	4
P0PT040	Number (Long)	4
P0PT050	Number (Long)	4
P0PT060	Number (Long)	4
P0PT070	Number (Long)	4
P0PT080	Number (Long)	4
P0PT090	Number (Long)	4
P0PT100	Number (Long)	4
P0PT110	Number (Long)	4
P0PT120	Number (Long)	4
P0PT130	Number (Long)	4
P0PT140	Number (Long)	4
P0PT150	Number (Long)	4
P0PT160	Number (Long)	4
P0PT170	Number (Long)	4
P0PT180	Number (Long)	4
P0PT190	Number (Long)	4
P0PT200	Number (Long)	4
P0PT210	Number (Long)	4
P0PT220	Number (Long)	4
P0PT230	Number (Long)	4
P0PT240	Number (Long)	4
P0PT250	Number (Long)	4
P0PT260	Number (Long)	4
P0PT270	Number (Long)	4
P0PT280	Number (Long)	4
P0PT290	Number (Long)	4
P0PT300	Number (Long)	4
P0PT310	Number (Long)	4
P0PT320	Number (Long)	4
P0PT330	Number (Long)	4
P0PT340	Number (Long)	4
P0PT350	Number (Long)	4
P0PT360	Number (Long)	4
P0PT370	Number (Long)	4
P0PT380	Number (Long)	4
P0PT390	Number (Long)	4
P0PT400	Number (Long)	4
P0PT410	Number (Long)	4
P0PT420	Number (Long)	4
P0PT430	Number (Long)	4
P0PT440	Number (Long)	4
P0PT450	Number (Long)	4
P0PT460	Number (Long)	4

P0PT470	Number (Long)	4
P0PT480	Number (Long)	4
P0PT490	Number (Long)	4
P0PT500	Number (Long)	4
GTP0PT505	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: VehnessFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
AccTracking	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTN27PT5	Number (Long)	4
N25PT0	Number (Long)	4
N20PT0	Number (Long)	4
N15PT0	Number (Long)	4
N10PT0	Number (Long)	4
N5PT0	Number (Long)	4
P0PT0	Number (Long)	4
P5PT0	Number (Long)	4
P10PT0	Number (Long)	4
P15PT0	Number (Long)	4
P20PT0	Number (Long)	4
P25PT0	Number (Long)	4
GTP27PT5	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending AccTracking, Ascending

Table: VelocityFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2

TripID	Number (Integer)	2
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP0PT0	Number (Long)	4
P2PT2	Number (Long)	4
P6PT6	Number (Long)	4
P11PT0	Number (Long)	4
P15PT4	Number (Long)	4
P19PT8	Number (Long)	4
P24PT2	Number (Long)	4
P28PT6	Number (Long)	4
P33PT0	Number (Long)	4
P37PT4	Number (Long)	4
P41PT8	Number (Long)	4
P46PT2	Number (Long)	4
P50PT6	Number (Long)	4
P55PT0	Number (Long)	4
P59PT4	Number (Long)	4
P63PT8	Number (Long)	4
P68PT2	Number (Long)	4
P72PT6	Number (Long)	4
P77PT0	Number (Long)	4
P81PT4	Number (Long)	4
P85PT8	Number (Long)	4
P90PT2	Number (Long)	4
P94PT6	Number (Long)	4
P99PT0	Number (Long)	4
P103PT4	Number (Long)	4
P107PT8	Number (Long)	4
P112PT2	Number (Long)	4
P116PT6	Number (Long)	4
P121PT0	Number (Long)	4
P125PT4	Number (Long)	4
P129PT8	Number (Long)	4
GTP132PT0	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	2
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending

Table: VelocityVgt35Fhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP50PT0	Number (Long)	4
P52PT2	Number (Long)	4
P56PT6	Number (Long)	4
P61PT0	Number (Long)	4
P65PT4	Number (Long)	4

P69PT8	Number (Long)	4
P74PT2	Number (Long)	4
P78PT6	Number (Long)	4
P83PT0	Number (Long)	4
P87PT4	Number (Long)	4
P91PT8	Number (Long)	4
P96PT2	Number (Long)	4
P100PT6	Number (Long)	4
P105PT0	Number (Long)	4
P109PT4	Number (Long)	4
P113PT8	Number (Long)	4
P118PT2	Number (Long)	4
P122PT6	Number (Long)	4
P127PT0	Number (Long)	4
P131PT4	Number (Long)	4
GTP133PT6	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: VpDotVgt35Fhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTN0PT505	Number (Long)	4
N0PT500	Number (Long)	4
N0PT490	Number (Long)	4
N0PT480	Number (Long)	4
N0PT470	Number (Long)	4
N0PT460	Number (Long)	4
N0PT450	Number (Long)	4
N0PT440	Number (Long)	4
N0PT430	Number (Long)	4
N0PT420	Number (Long)	4
N0PT410	Number (Long)	4
N0PT400	Number (Long)	4
N0PT390	Number (Long)	4
N0PT380	Number (Long)	4
N0PT370	Number (Long)	4
N0PT360	Number (Long)	4
N0PT350	Number (Long)	4
N0PT340	Number (Long)	4
N0PT330	Number (Long)	4
N0PT320	Number (Long)	4
N0PT310	Number (Long)	4
N0PT300	Number (Long)	4
N0PT290	Number (Long)	4
N0PT280	Number (Long)	4
N0PT270	Number (Long)	4

N0PT260	Number (Long)	4
N0PT250	Number (Long)	4
N0PT240	Number (Long)	4
N0PT230	Number (Long)	4
N0PT220	Number (Long)	4
N0PT210	Number (Long)	4
N0PT200	Number (Long)	4
N0PT190	Number (Long)	4
N0PT180	Number (Long)	4
N0PT170	Number (Long)	4
N0PT160	Number (Long)	4
N0PT150	Number (Long)	4
N0PT140	Number (Long)	4
N0PT130	Number (Long)	4
N0PT120	Number (Long)	4
N0PT110	Number (Long)	4
N0PT100	Number (Long)	4
N0PT090	Number (Long)	4
N0PT080	Number (Long)	4
N0PT070	Number (Long)	4
N0PT060	Number (Long)	4
N0PT050	Number (Long)	4
N0PT040	Number (Long)	4
N0PT030	Number (Long)	4
N0PT020	Number (Long)	4
N0PT010	Number (Long)	4
P0PT000	Number (Long)	4
P0PT010	Number (Long)	4
P0PT020	Number (Long)	4
P0PT030	Number (Long)	4
P0PT040	Number (Long)	4
P0PT050	Number (Long)	4
P0PT060	Number (Long)	4
P0PT070	Number (Long)	4
P0PT080	Number (Long)	4
P0PT090	Number (Long)	4
P0PT100	Number (Long)	4
P0PT110	Number (Long)	4
P0PT120	Number (Long)	4
P0PT130	Number (Long)	4
P0PT140	Number (Long)	4
P0PT150	Number (Long)	4
P0PT160	Number (Long)	4
P0PT170	Number (Long)	4
P0PT180	Number (Long)	4
P0PT190	Number (Long)	4
P0PT200	Number (Long)	4
P0PT210	Number (Long)	4
P0PT220	Number (Long)	4
P0PT230	Number (Long)	4
P0PT240	Number (Long)	4
P0PT250	Number (Long)	4
P0PT260	Number (Long)	4
P0PT270	Number (Long)	4
P0PT280	Number (Long)	4
P0PT290	Number (Long)	4
P0PT300	Number (Long)	4
P0PT310	Number (Long)	4
P0PT320	Number (Long)	4
P0PT330	Number (Long)	4
P0PT340	Number (Long)	4
P0PT350	Number (Long)	4
P0PT360	Number (Long)	4
P0PT370	Number (Long)	4
P0PT380	Number (Long)	4
P0PT390	Number (Long)	4
P0PT400	Number (Long)	4
P0PT410	Number (Long)	4
P0PT420	Number (Long)	4
P0PT430	Number (Long)	4

P0PT440	Number (Long)	4
P0PT450	Number (Long)	4
P0PT460	Number (Long)	4
P0PT470	Number (Long)	4
P0PT480	Number (Long)	4
P0PT490	Number (Long)	4
P0PT500	Number (Long)	4
GTP0PT505	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: VpFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Engaged	Number (Byte)	1
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTN2PT8	Number (Long)	4
N0PT6	Number (Long)	4
P3PT8	Number (Long)	4
P8PT2	Number (Long)	4
P12PT6	Number (Long)	4
P17PT0	Number (Long)	4
P21PT4	Number (Long)	4
P25PT8	Number (Long)	4
P30PT2	Number (Long)	4
P34PT6	Number (Long)	4
P39PT0	Number (Long)	4
P43PT4	Number (Long)	4
P47PT8	Number (Long)	4
P52PT2	Number (Long)	4
P56PT6	Number (Long)	4
P61PT0	Number (Long)	4
P65PT4	Number (Long)	4
P69PT8	Number (Long)	4
P74PT2	Number (Long)	4
P78PT6	Number (Long)	4
P83PT0	Number (Long)	4
P87PT4	Number (Long)	4
P91PT8	Number (Long)	4
P96PT2	Number (Long)	4
P100PT6	Number (Long)	4
P105PT0	Number (Long)	4
P109PT4	Number (Long)	4
P113PT8	Number (Long)	4
P118PT2	Number (Long)	4
P122PT6	Number (Long)	4
P127PT0	Number (Long)	4
P131PT4	Number (Long)	4
GTP133PT6	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	3
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending Engaged, Ascending

Table: VSetFhist

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
TripID	Number (Integer)	2
Mean	Number (Single)	4
Variance	Number (Single)	4
MostLikelyValue	Number (Single)	4
TotalCount	Number (Long)	4
LTP50PT0	Number (Long)	4
P52PT2	Number (Long)	4
P56PT6	Number (Long)	4
P61PT0	Number (Long)	4
P65PT4	Number (Long)	4
P69PT8	Number (Long)	4
P74PT2	Number (Long)	4
P78PT6	Number (Long)	4
P83PT0	Number (Long)	4
P87PT4	Number (Long)	4
P91PT8	Number (Long)	4
P96PT2	Number (Long)	4
P100PT6	Number (Long)	4
P105PT0	Number (Long)	4
P109PT4	Number (Long)	4
P113PT8	Number (Long)	4
P118PT2	Number (Long)	4
P122PT6	Number (Long)	4
P127PT0	Number (Long)	4
P131PT4	Number (Long)	4
GTP133PT6	Number (Long)	4

Table Indexes

Name	*Number of Fields*
UniqueID	2
Clustered:	False
Distinct Count:	0
Foreign:	False
Ignore Nulls:	False
Name:	UniqueID
Primary:	True
Required:	True
Unique:	True
Fields:	DriverID, Ascending TripID, Ascending

A.3 Subject Database Documentation

Table: DriversMain

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
FirstName	Text	50
HCity	Text	50
State	Text	20
Zip	Text	20
HomeTime	Text	50
WCity	Text	50
WZip	Text	20
WorkTime	Text	50
Birthdate	Date/Time	8
Gender	Text	50
Occupation	Text	50
Year	Number (Long)	4
VMake	Text	50
VModel	Text	50
YearsDriving	Number (Long)	4
Smoker	Text	50
CLenses	Text	50
Nature of Driving	Text	50
CruiseUsage	Text	50
AvgHWaySpeed	Number (Long)	4
AvgMilesTrip	Number (Long)	4
MilesLastYear	Number (Long)	4
PctTotalRural	Number (Long)	4
PctTotalCity	Number (Long)	4
PctTotalHWay	Number (Long)	4
Notes	Memo	-
FocusGroup	Text	50

Table Indexes

Name	*Number of Fields*
PrimaryKey	1
Fields:	DriverID, Ascending

Table: DrivingStyleQuestionnaire

Columns

Name	*Type*	*Size*
Driver ID	Number (Long)	4
M1	Text	1
M2	Text	1
M3	Text	1
M4	Text	1
M5	Text	1
M6	Text	1
A1	Text	1
A2	Text	1
A3	Text	1
A4	Text	1
A5	Text	1
A6	Text	1

Table Indexes

Name	*Number of Fields*
PrimaryKey	1
Fields:	Driver ID, Ascending

Table: MBti

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
Mbti	Text	50

Table Indexes

Name	*Number of Fields*
DriverID	1
Fields:	DriverID, Ascending
DriversMainMBti	1
Fields:	DriverID, Ascending
PrimaryKey	1
Fields:	DriverID, Ascending

Table: PQv2p0

Columns

Name	*Type*	*Size*
DriverID	Number (Integer)	2
q1	Number (Integer)	2
q2	Number (Integer)	2
q3	Number (Integer)	2
q3t	Text	255
q4	Number (Integer)	2
q5	Number (Integer)	2
q6	Number (Integer)	2
q7	Number (Integer)	2
q8	Number (Integer)	2
q9	Number (Integer)	2
q10	Number (Integer)	2
q11sm	Number (Integer)	2
q11sc	Number (Integer)	2
q11sa	Number (Integer)	2
q11fm	Number (Integer)	2
q11fc	Number (Integer)	2
q11fa	Number (Integer)	2
q11cm	Number (Integer)	2
q11cc	Number (Integer)	2
q11ca	Number (Integer)	2
q11dm	Number (Integer)	2
q11dc	Number (Integer)	2
q11da	Number (Integer)	2
q12m	Number (Integer)	2
q12c	Number (Integer)	2
q12a	Number (Integer)	2
q13m	Number (Integer)	2
q13c	Number (Integer)	2
q13a	Number (Integer)	2
q14m	Number (Integer)	2
q14c	Number (Integer)	2
q14a	Number (Integer)	2
q15	Number (Integer)	2
q16	Number (Integer)	2
q17	Number (Integer)	2
q18	Number (Integer)	2
q19	Number (Integer)	2
q20	Number (Integer)	2
q21m	Number (Integer)	2
q21c	Number (Integer)	2
q21a	Number (Integer)	2
q22m	Number (Integer)	2
q22c	Number (Integer)	2
q22a	Number (Integer)	2
q23p1	Number (Integer)	2
q23p2	Number (Integer)	2

q23p3	Number (Integer)	2
q23p4	Number (Integer)	2
q23p5	Number (Integer)	2
q23p6	Number (Integer)	2
q24p1	Number (Integer)	2
q24p2	Number (Integer)	2
q24p3	Number (Integer)	2
q24p4	Number (Integer)	2
q24p5	Number (Integer)	2
q24p6	Number (Integer)	2
q25a	Number (Integer)	2
q25b	Memo	-
q26a	Number (Integer)	2
q26b	Memo	-
q27am	Number (Single)	4
q27ac	Number (Single)	4
q27aa	Number (Single)	4
q27bm	Number (Single)	4
q27bc	Number (Single)	4
q27ba	Number (Single)	4
q27cm	Number (Single)	4
q27cc	Number (Single)	4
q27ca	Number (Single)	4
q28	Number (Integer)	2
q29	Number (Integer)	2
q30	Number (Integer)	2
q31	Number (Integer)	2
q32	Number (Integer)	2
q33	Number (Integer)	2
q34	Number (Integer)	2
q35	Number (Integer)	2
q36	Number (Integer)	2
q37	Number (Integer)	2
q38m	Number (Single)	4
q38c	Number (Single)	4
q38a	Number (Single)	4
q39	Number (Integer)	2
q40	Text	50
q41	Number (Integer)	2
q42	Memo	-
q43	Memo	-
q44	Memo	-

Table Indexes

Name	***Number of Fields***
PrimaryKey	1
Fields:	DriverID, Ascending

Appendix B

Summary of ACC System Questionnaire Responses

1. How comfortable did you feel driving the car using the ACC system?

1 2 3 4 5 6 7

Very Uncomfortable *Very Comfortable*

	Mean	Std. Dev.
All Drivers	5.75	1.44
20-30	5.75	1.63
40-50	5.69	1.56
60-70	5.81	1.12
Users	6.00	1.35
Nonusers	5.36	1.51
2 week users	5.71	1.58
5 week users	6.50	0.51

2. How long did it take you to become comfortable using the ACC system?

I was:

__1__ comfortable using the ACC system after one hour or less.
__2__ comfortable using the system after the first day.
__3__ comfortable using the system after a few days.
__4__ comfortable using the system after the first week.
__5__ never comfortable using the ACC system.

	Mean	Std. Dev.
All Drivers	1.81	0.88
20-30	1.64	0.64
40-50	1.92	0.94
60-70	1.86	1.02

Users	1.68	0.81
Nonusers	2.00	0.96
2 week users	1.71	0.81
5 week users	1.63	0.82

3. How easy did you find it was to drive using the ACC system?

1 2 3 4 5 6 7

Very Difficult *Very Easy*

	Mean	Std. Dev.
All Drivers	6.08	1.02
20-30	6.03	1.23
40-50	6.33	0.68
60-70	5.89	1.06
Users	6.21	0.98
Nonusers	5.88	1.06
2 week users	6.14	1.09
5 week users	6.33	0.76

4. How likely is it that you would have become more comfortable using the ACC system given more time?

1 2 3 4 5 6 7

Very Unlikely *Very Likely*

	Mean	Std. Dev.
All Drivers	4.97	2.40

20-30	5.14	2.29
40-50	5.22	2.38
60-70	4.54	2.52
Users	4.57	2.54
Nonusers	5.60	2.04
2 week users	5.07	2.32
5 week users	3.71	2.71

5. How comfortable were you physically (your posture, legs, feet, etc.) when driving using the ACC system in comparison with your usual mode of driving?

1 2 3 4 5 6 7

Less Comfortable *More Comfortable*

	Mean	Std. Dev.
All Drivers	5.41	1.39
20-30	5.25	1.38
40-50	5.44	1.50
60-70	5.53	1.32
Users	5.36	1.33
Nonusers	5.48	1.50
2 week users	5.45	1.38
5 week users	5.21	1.25

6. How comfortable were you using the ACC system in the rain or snow?

1 2 3 4 5 6 7 0

Very Uncomfortable *Very Comfortable* *Did Not Experience*

	Mean	Std. Dev.
All Drivers	4.52	1.69
20-30	4.63	1.53
40-50	4.82	1.81
60-70	4.11	1.69
Users	4.51	1.79
Nonusers	4.55	1.44
2 week users	4.61	1.66
5 week users	4.38	2.00

Count of zeros: 29

7. How comfortable are you using conventional cruise control in rain or snow?

1 2 3 4 5 6 7 *0*

Very Uncomfortable *Very Comfortable* *Did Not Experience*

	Mean	Std. Dev.
All Drivers	4.60	1.76
20-30	4.41	1.45
40-50	4.80	1.95
60-70	4.54	1.84
Users	5.02	1.66
Nonusers	3.64	1.64
2 week users	4.88	1.72
5 week users	5.26	1.54

Count of zeros: 16

8. How comfortable were you using the ACC system on hilly roads?

1 2 3 4 5 6 7 0

Very Uncomfortable *Very Comfortable* *Did Not Experience*

	Mean	Std. Dev.
All Drivers	5.25	1.60
20-30	4.86	1.70
40-50	5.72	1.24
60-70	5.14	1.76
Users	5.24	1.70
Nonusers	5.27	1.43
2 week users	5.14	1.57
5 week users	5.40	1.90

Count of zeros: 32

9. How comfortable were you using the ACC system on winding roads?

1 2 3 4 5 6 7 0

Very Uncomfortable *Very Comfortable* *Did Not Experience*

	Mean	Std. Dev.
All Drivers	4.79	1.59
20-30	4.31	1.63
40-50	4.97	1.33
60-70	5.06	1.73

Users	4.98	1.64
Nonusers	4.50	1.48
2 week users	5.00	1.59
5 week users	4.96	1.74

Count of zeros: 16

10. How comfortable would you feel if your child, spouse, parents or other loved ones drove a vehicle equipped with ACC?

1 2 3 4 5 6 7

Very Uncomfortable *Very Comfortable*

	Mean	Std. Dev.
All Drivers	5.66	1.57
20-30	5.94	1.29
40-50	5.67	1.59
60-70	5.36	1.78
Users	5.67	1.61
Nonusers	5.64	1.51
2 week users	5.64	1.62
5 week users	5.71	1.63

11. For the following categories, please compare the three modes of operation (Manual control, Conventional Cruise Control, and ACC), and rank them based on your preference. Use (1) to indicate your most preferred and (3) to indicate your least preferred.

Safety _____ *Manual Control* _____*Conventional Cruise* _____*ACC*

All Drivers	20-30	40-50	60-70

	Mean	σ	Mean	σ	Mean	σ	Mean	σ
Manual	1.38	0.73	1.25	0.65	1.22	0.54	1.67	0.89
CC	2.63	0.57	2.72	0.57	2.75	0.44	2.42	0.65
ACC	1.98	0.60	2.03	0.45	2.00	0.59	1.92	0.73

	Users		Nonusers		2 week users		5 week users	
	Mean	σ	Mean	σ	Mean	σ	Mean	σ
Manual	1.53	0.83	1.14	0.47	1.40	0.73	1.75	0.94
CC	2.56	0.64	2.74	0.45	2.60	0.59	2.5	0.72
ACC	1.89	0.61	2.12	0.55	1.98	0.64	1.75	0.53

Comfort _____ *Manual Control* _____*Conventional Cruise* _____*ACC*

	All Drivers		20-30		40-50		60-70	
	Mean	σ	Mean	σ	Mean	σ	Mean	σ
Manual	2.62	0.71	2.56	0.77	2.69	0.67	2.61	0.69
CC	2.06	0.53	2.22	0.42	2.06	0.47	1.92	0.65
ACC	1.31	0.61	1.22	0.54	1.25	0.55	1.47	0.70

	Users		Nonusers		2 week users		5 week users	
	Mean	σ	Mean	σ	Mean	σ	Mean	σ
Manual	2.76	0.58	2.40	0.83	2.69	0.64	2.88	0.45
CC	1.95	0.48	2.24	0.58	1.98	0.56	1.92	0.28
ACC	1.29	0.60	1.36	0.62	1.33	0.61	1.21	0.59

Convenience _____ *Manual Control* _____*Conventional Cruise* _____*ACC*

	All Drivers		20-30		40-50		60-70	
	Mean	σ	Mean	σ	Mean	σ	Mean	σ
Manual	2.59	0.75	2.64	0.68	2.64	0.72	2.50	0.85
CC	2.12	0.49	2.19	0.47	2.11	0.46	2.06	0.53
ACC	1.29	0.58	1.17	0.45	1.25	0.55	1.44	0.69

	Users		Nonusers		2 week users		5 week users	
	Mean	σ	Mean	σ	Mean	σ	Mean	σ
Manual	2.70	0.68	2.43	0.83	2.76	0.58	2.58	0.83
CC	2.00	0.46	2.31	0.47	2.00	0.49	2	0.42
ACC	1.30	0.61	1.26	0.54	1.24	0.53	1.42	0.72

Driving Enjoyment _____ *Manual Control* _____*Conventional Cruise* _____*ACC*

	All Drivers		20-30		40-50		60-70	
	Mean	σ	Mean	σ	Mean	σ	Mean	σ
Manual	2.56	0.75	2.39	0.87	2.61	0.69	2.67	0.68
CC	2.12	0.54	2.22	0.54	2.11	0.52	2.03	0.56
ACC	1.31	0.59	1.39	0.64	1.25	0.55	1.31	0.58

	Users		Nonusers		2 week users		5 week users	
	Mean	σ	Mean	σ	Mean	σ	Mean	σ
Manual	2.68	0.68	2.36	0.82	2.67	0.69	2.71	0.69
CC	1.98	0.48	2.33	0.57	2.00	0.49	1.96	0.46

ACC	1.32	0.61	1.31	0.56	1.31	0.60	1.33	0.64

12. In general, under what mode of operation did you feel like you drove fastest?
(1 = fastest, 3 = slowest)

_____*Manual Control* _____*Conventional Cruise Control* _____*ACC*

	All Drivers		20-30		40-50		60-70	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	1.45	0.78	1.42	0.81	1.39	0.77	1.56	0.77
CC	2.33	0.64	2.33	0.64	2.33	0.63	2.33	0.68
ACC	2.20	0.73	2.25	0.69	2.28	0.70	2.08	0.81

	Users		Nonusers		2 week users		5 week users	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	1.53	0.81	1.33	0.72	1.40	0.66	1.75	0.99
CC	2.30	0.70	2.38	0.54	2.38	0.73	2.17	0.64
ACC	2.15	0.73	2.29	0.74	2.19	0.71	2.08	0.78

13. Which mode of operation required you to apply the brakes most often?
(1 = least braking, 3 = most braking)

_____ *Manual Control* _____*Conventional Cruise Control* _____*ACC*

	All Drivers		20-30		40-50		60-70	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	2.06	0.86	2.03	0.84	2.00	0.89	2.17	0.85
CC	2.31	0.64	2.33	0.68	2.42	0.60	2.19	0.62
ACC	1.61	0.78	1.61	0.77	1.58	0.73	1.64	0.87

	Users		Nonusers		2 week users		5 week users	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	2.12	0.85	1.98	0.87	1.98	0.87	2.38	0.77
CC	2.30	0.63	2.33	0.65	2.31	0.64	2.29	0.62
ACC	1.58	0.79	1.67	0.79	1.71	0.83	1.33	0.64

14. Under which mode of operation do you drive most cautiously? (1 = most cautiously, 3 = least cautiously)

_____ *Manual Control* _____*Conventional Cruise Control* _____*ACC*

	All Drivers		20-30		40-50		60-70	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	2.18	0.91	2.17	0.94	2.06	0.94	2.31	0.86
CC	2.07	0.69	1.94	0.75	2.06	0.64	2.19	0.67
ACC	1.72	0.77	1.81	0.75	1.86	0.85	1.50	0.70

	Users		Nonusers		2 week users		5 week users	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	2.12	0.94	2.26	0.86	2.12	0.93	2.13	0.99
CC	2.08	0.64	2.05	0.76	2.10	0.70	2.04	0.55
ACC	1.78	0.80	1.62	0.73	1.76	0.77	1.83	0.87

15. What did you think of the rate of deceleration provided by the ACC system when following other vehicles?

1 2 3 4 5 6 7

Too Slow			*Too Fast*
		Mean	Std. Dev.
All Drivers		3.64	1.23
20-30		3.58	1.16
40-50		3.83	1.03
60-70		3.50	1.48
Users		3.59	1.24
Nonusers		3.71	1.24
2 week users		3.64	1.28
5 week users		3.50	1.18

16. What did you think of the acceleration provided by the ACC system when pulling into an adjacent lane to pass other vehicles?

1 *2* *3* *4* *5* *6* *7*

Too Slow			*Too Fast*
		Mean	Std. Dev.
All Drivers		3.22	1.47
20-30		2.92	1.61
40-50		3.19	1.47
60-70		3.57	1.27
Users		3.08	1.48
Nonusers		3.45	1.43
2 week users		3.32	1.42
5 week users		2.67	1.52

17. How consistent did you maintain your speed when using the ACC system, as compared to driving manually?

1 2 3 4 5 6 7

Very Inconsistent *Very Consistent*

	Mean	Std. Dev.
All Drivers	5.82	1.50
20-30	5.67	1.35
40-50	5.81	1.47
60-70	6.00	1.67
Users	5.95	1.47
Nonusers	5.62	1.53
2 week users	5.90	1.53
5 week users	6.04	1.40

18. When using the ACC system, as compared to driving manually, did you find yourself more or less aware of the actions of vehicles around you?

1 2 3 4 5 6 7

Very Unaware *Very Aware*

	Mean	Std. Dev.
All Drivers	5.53	1.44
20-30	5.11	1.35
40-50	5.64	1.42
60-70	5.83	1.48

Users	5.52	1.42
Nonusers	5.55	1.48
2 week users	5.64	1.41
5 week users	5.29	1.43

19. When using the ACC system, as compared to driving manually, did you find yourself more or less responsive to the actions of vehicles around you?

1 2 3 4 5 6 7

Very Unresponsive — *Very Responsive*

	Mean	Std. Dev.
All Drivers	5.26	1.34
20-30	4.81	1.19
40-50	5.36	1.48
60-70	5.61	1.25
Users	5.12	1.41
Nonusers	5.48	1.21
2 week users	5.24	1.43
5 week users	4.92	1.38

20. When using the ACC system, did you ever feel you didn't understand what the system was doing, what was taking place, or how the ACC system might behave?

1 2 3 4 5 6 7

Very Frequently — *Very Infrequently*

	Mean	Std. Dev.

All Drivers	5.52	1.51
20-30	5.14	1.50
40-50	6.00	1.28
60-70	5.44	1.65
Users	5.57	1.42
Nonusers	5.45	1.66
2 week users	5.76	1.23
5 week users	5.22	1.70

21. How easy or difficult did you find it to maintain a safe distance to the preceding vehicle using each of the following modes of operation?

	All Drivers		20-30		40-50		60-70	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	5.41	1.87	5.31	1.79	5.22	1.99	5.69	1.85
CC	3.57	1.69	3.19	1.45	3.28	1.50	4.25	1.90
ACC	5.87	1.22	5.69	1.09	6.22	0.76	5.69	1.62

	Users		Nonusers		2 week users		5 week users	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	5.17	1.98	5.79	1.63	5.07	2.05	5.33	1.88
CC	3.76	1.69	3.29	1.66	3.67	1.62	3.92	1.84
ACC	6.12	1.02	5.48	1.42	6.05	1.06	6.25	0.94

22. How comfortable did you feel with your ability to change lanes (to pass other cars) using each of the following modes of operation?

	All Drivers		20-30		40-50		60-70	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	6.36	1.29	6.56	0.73	6.44	1.18	6.08	1.75
CC	4.60	1.65	4.42	1.54	4.61	1.71	4.78	1.71
ACC	4.97	1.70	4.78	1.62	4.72	1.80	5.42	1.63

	Users		Nonusers		2 week users		5 week users	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	6.33	1.38	6.40	1.15	6.26	1.43	6.46	1.32
CC	4.83	1.65	4.24	1.59	4.74	1.80	5.00	1.38
ACC	4.98	1.77	4.95	1.61	5.26	1.75	4.50	1.72

23. How did using the ACC system affect your speed, relative to neighboring vehicles, when driving in the following traffic environments?

When using ACC on freeways and expressways, I drove:

1 2 3 4 5 6 7 0

Slower *Faster* *Didn't Use*

	Mean	Std. Dev.
All Drivers	4.57	1.35
20-30	4.56	1.32
40-50	4.64	1.33
60-70	4.53	1.42
Users	4.76	1.40
Nonusers	4.29	1.22
2 week users	4.71	1.35
5 week users	4.83	1.52

Count of zeros: 0

When using ACC on two-lane rural highways, I drove:

1 2 3 4 5 6 7 0

Slower Faster Didn't Use

	Mean	Std. Dev.
All Drivers	4.14	1.22
20-30	4.50	1.10
40-50	4.29	1.12
60-70	3.63	1.31
Users	4.19	1.16
Nonusers	4.03	1.35
2 week users	4.10	1.16
5 week users	4.33	1.15

Count of zeros: 27

When using ACC on major arterial streets, I drove:

1 2 3 4 5 6 7 0

Slower Faster Didn't Use

	Mean	Std. Dev.
All Drivers	3.80	1.01
20-30	3.65	0.88
40-50	4.00	0.87
60-70	3.73	1.22

Users	3.88	0.94
Nonusers	3.69	1.11
2 week users	3.92	1.04
5 week users	3.82	0.81

Count of zeros: 37

When using ACC in heavy traffic, I drove:

1 2 3 4 5 6 7 0

Slower *Faster* *Didn't Use*

	Mean	Std. Dev.
All Drivers	3.32	1.34
20-30	3.23	1.15
40-50	3.42	1.47
60-70	3.29	1.42
Users	3.43	1.41
Nonusers	3.09	1.20
2 week users	3.43	1.32
5 week users	3.44	1.58

Count of zeros: 39

When using ACC in medium traffic, I drove:

1 2 3 4 5 6 7 0

Slower *Faster* *Didn't Use*

	Mean	Std. Dev.
All Drivers	4.24	0.95
20-30	4.41	0.78
40-50	4.29	0.99
60-70	4.03	1.03
Users	4.35	0.96
Nonusers	4.05	0.90
2 week users	4.20	1.01
5 week users	4.63	0.82

Count of zeros: 3

When using ACC in light traffic, I drove:

1	*2*	*3*	*4*	*5*	*6*	*7*	*0*
Slower						*Faster*	*Didn't Use*

	Mean	Std. Dev.
All Drivers	5.09	1.09
20-30	5.29	0.96
40-50	5.06	1.07
60-70	4.94	1.24
Users	5.29	1.02
Nonusers	4.78	1.15
2 week users	5.14	1.00
5 week users	5.54	1.02

Count of zeros: 1

24. How did using the ACC system affect your headway (following distance), as compared to manual control, when driving in the following traffic environments?

When using ACC on freeways and expressways, I drove:

1 2 3 4 5 6 7 0

Closer Farther Didn't Use

	Mean	Std. Dev.
All Drivers	4.86	1.52
20-30	5.00	1.17
40-50	4.89	1.80
60-70	4.69	1.55
Users	4.95	1.52
Nonusers	4.71	1.52
2 week users	4.74	1.47
5 week users	5.33	1.58

Count of zeros: 0

When using ACC on two-lane rural highways, I drove:

1 2 3 4 5 6 7 0

Closer Farther Didn't Use

	Mean	Std. Dev.
All Drivers	4.82	1.45
20-30	5.00	1.23
40-50	4.54	1.50
60-70	4.93	1.58
Users	4.70	1.28
Nonusers	5.03	1.72

2 week users	4.47	1.16
5 week users	5.05	1.40

Count of zeros: 24

When using ACC on major arterial streets, I drove:

1	*2*	*3*	*4*	*5*	*6*	*7*	*0*
Closer						*Farther*	*Didn't Use*

	Mean	Std. Dev.
All Drivers	4.68	1.42
20-30	4.62	1.24
40-50	4.80	1.55
60-70	4.63	1.47
Users	4.77	1.51
Nonusers	4.55	1.30
2 week users	4.77	1.45
5 week users	4.78	1.63

Count of zeros: 35

When using ACC in heavy traffic, I drove:

1	*2*	*3*	*4*	*5*	*6*	*7*	*0*
Closer						*Farther*	*Didn't Use*

	Mean	Std. Dev.
All Drivers	5.37	1.74

20-30	5.48	1.60
40-50	5.54	2.02
60-70	5.09	1.53
Users	5.63	1.62
Nonusers	4.88	1.87
2 week users	5.52	1.67
5 week users	5.79	1.58

Count of zeros: 38

When using ACC in medium traffic, I drove:

1 2 3 4 5 6 7 0

Closer *Farther* *Didn't Use*

	Mean	Std. Dev.
All Drivers	4.72	1.31
20-30	4.85	0.97
40-50	4.80	1.47
60-70	4.50	1.42
Users	4.80	1.30
Nonusers	4.57	1.32
2 week users	4.61	1.28
5 week users	5.13	1.30

Count of zeros: 6

When using ACC in light traffic, I drove:

1 2 3 4 5 6 7 0

Closer *Farther* *Didn't Use*

	Mean	Std. Dev.
All Drivers	4.47	1.54
20-30	4.63	1.21
40-50	4.44	1.71
60-70	4.33	1.66
Users	4.48	1.56
Nonusers	4.44	1.52
2 week users	4.29	1.50
5 week users	4.83	1.63

Count of zeros: 1

25. How often, if ever, did you experience "unsafe" following distances when using the ACC system?

1 2 3 4 5 6 7

Very Frequently *Very Infrequently*

	Mean	Std. Dev.
All Drivers	5.69	1.52
20-30	5.50	1.38
40-50	5.89	1.69
60-70	5.67	1.49
Users	5.97	1.25
Nonusers	5.24	1.79
2 week users	6.14	1.22

5 week users	5.67	1.27

26. Do you feel the headway adjustment feature useful?

1 2 3 4 5 6 7

Strongly Disagree *Strongly Agree*

	Mean	Std. Dev.
All Drivers	5.87	1.54
20-30	5.28	1.70
40-50	6.06	1.49
60-70	6.28	1.23
Users	6.06	1.30
Nonusers	5.57	1.82
2 week users	5.88	1.47
5 week users	6.38	0.88

27. For the following questions, please rank the mode of operation you are most likely to use. (1 = most likely to use, 3 = least likely to use.)

In which mode of operation were you more likely to drive on the highway, interstate, state route, or turnpike? (1 = most likely to use, 3 = least likely to use.)

_____*Manual Control* _____*Conventional Cruise Control* _____*ACC*

	All Drivers		20-30		40-50		60-70	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	2.64	0.65	2.47	0.77	2.67	0.68	2.77	0.43
CC	2.20	0.51	2.28	0.57	2.14	0.49	2.20	0.47
ACC	1.15	0.41	1.22	0.48	1.19	0.47	1.03	0.17

	Users		Nonusers		2 week users		5 week users	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	2.72	0.57	2.50	0.74	2.74	0.54	2.71	0.62
CC	2.14	0.50	2.31	0.52	2.14	0.47	2.10	0.55
ACC	1.12	0.38	1.19	0.45	1.10	0.37	1.19	0.38

In which mode of operation were you most likely to drive on two lane rural roads?
(1 = most likely to use, 3 = least likely to use.)

_____*Manual Control* _____*Conventional Cruise Control* _____*ACC*

	All Drivers		20-30		40-50		60-70	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	1.86	0.87	1.81	0.89	2.06	0.86	1.67	0.82
CC	2.50	0.59	2.53	0.61	2.47	0.65	2.52	0.51
ACC	1.65	0.72	1.67	0.68	1.47	0.61	1.82	0.85

	Users		Nonusers		2 week users		5 week users	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	2.03	0.90	1.55	0.71	2.05	0.91	2.04	0.91
CC	2.43	0.59	2.63	0.59	2.36	0.62	2.54	0.51
ACC	1.54	0.69	1.83	0.75	1.60	0.73	1.42	0.58

In which mode of operation were you most likely to drive on major arterial streets?
(1 = most likely to use, 3 = least likely to use.)

_____*Manual Control* _____*Conventional Cruise Control* _____*ACC*

All Drivers	20-30	40-50	60-70

	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	1.17	0.51	1.11	0.46	1.11	0.40	1.29	0.63
CC	2.72	0.47	2.78	0.42	2.75	0.44	2.65	0.54
ACC	2.12	0.56	2.11	0.46	2.17	0.56	2.09	0.67

	Users		Nonusers		2 week users		5 week users	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	1.22	0.57	1.10	0.37	1.17	0.54	1.31	0.62
CC	2.66	0.51	2.83	0.38	2.67	0.48	2.63	0.58
ACC	2.14	0.61	2.10	0.49	2.19	0.59	2.02	0.63

28. How safe did you feel using the ACC system?

1 2 3 4 5 6 7

Very Unsafe *Very Safe*

	Mean	Std. Dev.
All Drivers	5.98	1.11
20-30	5.92	1.00
40-50	6.25	1.02
60-70	5.78	1.27
Users	6.14	1.07
Nonusers	5.74	1.15
2 week users	6.14	1.07
5 week users	6.13	1.08

29. Do you think ACC is going to increase driving safety?

1 2 3 4 5 6 7

Strongly Disagree *Strongly Agree*

	Mean	Std. Dev.
All Drivers	5.35	1.43
20-30	5.08	1.52
40-50	5.42	1.38
60-70	5.56	1.38
Users	5.56	1.45
Nonusers	5.02	1.35
2 week users	5.57	1.47
5 week users	5.54	1.44

30. While driving using ACC, did you ever feel overly confident?

1 2 3 4 5 6 7

Strongly Disagree *Strongly Agree*

	Mean	Std. Dev.
All Drivers	3.15	1.75
20-30	3.19	1.75
40-50	3.22	1.69
60-70	3.03	1.84
Users	3.42	1.84
Nonusers	2.71	1.53

2 week users	3.48	1.95
5 week users	3.33	1.63

31. Did you feel more comfortable performing additional tasks, (e.g., adjusting the heater or the radio) while using the ACC system as compared to driving under manual control?

1 2 3 4 5 6 7

Strongly Disagree *Strongly Agree*

	Mean	Std. Dev.
All Drivers	4.44	1.87
20-30	4.75	1.93
40-50	4.44	1.59
60-70	4.11	2.04
Users	4.65	1.87
Nonusers	4.10	1.83
2 week users	4.76	1.82
5 week users	4.46	1.98

32. Did you find the ACC system functions distracting (e.g., automatic acceleration and deceleration)?

1 2 3 4 5 6 7

Very Distracting *Not At All Distracting*

	Mean	Std. Dev.
All Drivers	5.61	1.64

20-30	5.78	1.51
40-50	5.25	1.90
60-70	5.83	1.42
Users	5.80	1.66
Nonusers	5.33	1.57
2 week users	5.98	1.57
5 week users	5.50	1.79

33. Did you find the ACC system components distracting (e.g., status lights, control buttons)?

1 2 3 4 5 6 7

Very Distracting *Not At All Distracting*

	Mean	Std. Dev.
All Drivers	5.69	1.63
20-30	6.08	1.36
40-50	5.53	1.78
60-70	5.47	1.68
Users	5.74	1.62
Nonusers	5.62	1.65
2 week users	5.74	1.62
5 week users	5.75	1.65

34. While using the ACC system, how often, if ever, did the system fail to detect a preceding vehicle?

1 2 3 4 5 6 7

Always *Never*

	Mean	Std. Dev.
All Drivers	6.01	1.29
20-30	5.75	1.32
40-50	6.11	1.14
60-70	6.17	1.38
Users	6.00	1.25
Nonusers	6.02	1.35
2 week users	6.07	1.35
5 week users	5.88	1.08

35. While using the ACC system, how often, if ever, did the system produce false alarms (i.e., reported the presence of a vehicle when none existed)?

1 *2* *3* *4* *5* *6* *7*

Always *Never*

	Mean	Std. Dev.
All Drivers	5.99	1.44
20-30	5.39	1.73
40-50	6.22	1.24
60-70	6.36	1.10
Users	5.74	1.49
Nonusers	6.38	1.27
2 week users	6.14	1.30
5 week users	5.04	1.57

36. How easy or difficult do you feel it will be to market a vehicle equipped with an Adaptive Cruise Control (ACC) System?

1 2 3 4 5 6 7

Very Difficult *Very Easy*

	Mean	Std. Dev.
All Drivers	5.69	1.36
20-30	5.51	1.31
40-50	5.83	1.16
60-70	5.71	1.60
Users	5.94	1.30
Nonusers	5.29	1.38
2 week users	6.02	1.20
5 week users	5.78	1.48

37. How comfortable would you feel if ACC systems replaced conventional cruise control?

1 2 3 4 5 6 7

Very Uncomfortable *Very Comfortable*

	Mean	Std. Dev.
All Drivers	6.18	1.32
20-30	5.92	1.40
40-50	6.61	0.73
60-70	6.00	1.60
Users	6.20	1.35
Nonusers	6.19	1.29

2 week users	6.14	1.32
5 week users	6.21	1.44

38. Please rank, in order of preference, the following modes of operation for personal use. (1 = most desirable, 3 = least desirable)

_____*Manual Control* _____*Conventional Cruise Control* _____*ACC*

	All Drivers		20-30		40-50		60-70	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	1.92	0.92	1.69	0.89	1.97	0.94	2.08	0.91
CC	2.50	0.60	2.64	0.54	2.50	0.61	2.34	0.65
ACC	1.59	0.61	1.67	0.59	1.53	0.56	1.57	0.69

	Users		Nonusers		2 week users		5 week users	
	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev	Mean	Std.Dev
Manual	2.27	0.87	1.36	0.69	2.21	0.90	2.38	0.82
CC	2.30	0.64	2.81	0.40	2.31	0.64	2.27	0.64
ACC	1.43	0.61	1.83	0.54	1.48	0.63	1.35	0.56

39. Would you be willing buy an ACC system in your next new vehicle?

1 2 3 4 5 6 7

Very Unwilling *Very Willing*

	Mean	Std. Dev.
All Drivers	5.79	1.57

20-30	5.64	1.29
40-50	6.31	1.26
60-70	5.42	1.96
Users	6.08	1.38
Nonusers	5.33	1.75
2 week users	6.10	1.45
5 week users	6.04	1.30

40. Approximately how much would you be willing to spend for this feature in a new vehicle?

Eighty-five participants answered this question. The range of responses was $0 to $2500 with a median value of $438. Several participants expressed their answers based upon the price of conventional cruise control. For example, two drivers responded that for ACC they would be willing to pay the same price as they would pay for conventional cruise control. Another driver stated that he would be willing to spend 10% more than the price of conventional cruise control for ACC.

41. Would you be willing to rent a vehicle equipped with an ACC system when you travel?

1 2 3 4 5 6 7

Very Unwilling *Very Willing*

	Mean	Std. Dev.
All Drivers	6.37	1.15
20-30	6.23	1.03
40-50	6.69	1.04
60-70	6.18	1.31
Users	6.47	1.02
Nonusers	6.22	1.31

2 week users	6.33	1.21
5 week users	6.71	0.55

42. In general, how does driving using the ACC system compare to driving with conventional cruise control?

Participants sited two major advantages of driving with ACC as compared to driving with conventional cruise control: reduced workload (43%) and increased safety (19%). While most drivers became confident using the ACC system and learned to compensate for the system's limitations, several drivers reported that they had to be "more alert" while driving using ACC because they weren't sure if the system would function properly.

43. Can you suggest any changes or modifications to the ACC system that might improve it?

The types of things that the 108 drivers suggested for improving the system are listed in the table below. Although there were many positive comments on the ACC system, some drivers had specific concerns and noted the need for improvement. Areas identified most frequently for improvement include 1) delayed, weak acceleration back towards the set speed (17 drivers), 2) deceleration due to a false detection (14 drivers), 3) improved display and ACC control features (11 drivers), and 4) performance in bad weather (9 drivers).

None	21
Higher Acceleration (for passing)	17
Fewer false decelerations	14
Better-appointed and more complete ACC display	11
Better performance in bad weather	9
Illumination of the (cruise) buttons	7
Higher decel. authority (i.e., braking via ACC)	6
Better tracking on curves	6
Better headway control (crisper, smoother)	4
Provide an intervention prompt (warning)	3
Better agreement between set speed and speedometer	3

Shorter headway settings	3
Longer headway settings	2
More reliable ACC functioning	2
Signal the car behind you to anticipate slowdown	2
Provide ACC response to stopped traffic ahead	2

44. Did you come close to having any accidents that you feel were related to using the ACC system?

During the FOT there were no crashes as a result of using the ACC system. Four drivers reported that they came close to having an accident as a result of the ACC system. One driver feared being rearended as the driver following him failed to slowed down as the ACC-equipped vehicle was decelerating. Another driver reported that she felt a crash was impending when she encountered a slowly moving vehicle and the ACC-equipped car failed to respond.

Appendix C

Summary of Exposure Measurements for all Drivers and Driver Groups

The tables below present summary time and distance statistics for different driver groups and individual drivers. The tables are sorted by mode (ACC, all modes, CCC, first week manual-Man1, not first week manual-Man2, and all manual). The column headings indicate the content of the different fields and the word All simply means the combination of all possibilities for that field. The tables showing time values show only time above 35 mph. The distance tables cover all velocity ranges. Time and distance for different driver groups present the tables first then by time and distance for individual drivers.

Table C-1. Time statistics summary table (1)

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
28	ACC	2 Weeks	20-30	All	All	73.6	8.1	65.5
14	ACC	2 Weeks	20-30	All	Female	27.2	4.5	22.7
14	ACC	2 Weeks	20-30	All	Male	46.4	3.6	42.8
14	ACC	2 Weeks	20-30	Nonuser	All	37.6	4.8	32.8
7	ACC	2 Weeks	20-30	Nonuser	Female	8.5	3.3	5.1
7	ACC	2 Weeks	20-30	Nonuser	Male	29.1	1.4	27.7
14	ACC	2 Weeks	20-30	User	All	36.1	3.4	32.7
7	ACC	2 Weeks	20-30	User	Female	18.8	1.2	17.6
7	ACC	2 Weeks	20-30	User	Male	17.3	2.2	15.1
28	ACC	2 Weeks	40-50	All	All	91.2	8.6	82.7
14	ACC	2 Weeks	40-50	All	Female	40.9	2.6	38.2
14	ACC	2 Weeks	40-50	All	Male	50.4	6.0	44.4
14	ACC	2 Weeks	40-50	Nonuser	All	40.0	3.4	36.6
7	ACC	2 Weeks	40-50	Nonuser	Female	10.1	1.1	9.0
7	ACC	2 Weeks	40-50	Nonuser	Male	29.8	2.2	27.6
14	ACC	2 Weeks	40-50	User	All	51.2	5.2	46.1
7	ACC	2 Weeks	40-50	User	Female	30.7	1.5	29.2
7	ACC	2 Weeks	40-50	User	Male	20.5	3.7	16.8
28	ACC	2 Weeks	60-70	All	All	94.3	17.6	76.7
14	ACC	2 Weeks	60-70	All	Female	41.7	7.8	33.9
14	ACC	2 Weeks	60-70	All	Male	52.6	9.8	42.8
14	ACC	2 Weeks	60-70	Nonuser	All	40.0	9.0	31.0
7	ACC	2 Weeks	60-70	Nonuser	Female	22.8	5.9	16.9
7	ACC	2 Weeks	60-70	Nonuser	Male	17.2	3.1	14.1
14	ACC	2 Weeks	60-70	User	All	54.3	8.6	45.7
7	ACC	2 Weeks	60-70	User	Female	18.9	1.9	17.0

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
7	ACC	2 Weeks	60-70	User	Male	35.4	6.7	28.7
84	ACC	2 Weeks	All	All	All	259.1	34.3	224.9
42	ACC	2 Weeks	All	All	Female	109.7	14.9	94.9
42	ACC	2 Weeks	All	All	Male	149.4	19.4	130.0
42	ACC	2 Weeks	All	Nonuser	All	117.6	17.2	100.4
21	ACC	2 Weeks	All	Nonuser	Female	41.4	10.3	31.0
21	ACC	2 Weeks	All	Nonuser	Male	76.2	6.8	69.4
42	ACC	2 Weeks	All	User	All	141.6	17.1	124.5
21	ACC	2 Weeks	All	User	Female	68.4	4.5	63.9
21	ACC	2 Weeks	All	User	Male	73.2	12.6	60.6
8	ACC	5 Weeks	20-30	All	All	87.6	5.4	82.2
4	ACC	5 Weeks	20-30	All	Female	32.8	1.8	31.0
4	ACC	5 Weeks	20-30	All	Male	54.8	3.6	51.2
8	ACC	5 Weeks	40-50	All	All	105.9	8.2	97.7
4	ACC	5 Weeks	40-50	All	Female	63.3	3.8	59.5
4	ACC	5 Weeks	40-50	All	Male	42.6	4.4	38.2
8	ACC	5 Weeks	60-70	All	All	81.0	15.8	65.2
4	ACC	5 Weeks	60-70	All	Female	24.0	6.6	17.3
4	ACC	5 Weeks	60-70	All	Male	57.0	9.1	47.8
24	ACC	5 Weeks	All	All	All	274.5	29.4	245.1
12	ACC	5 Weeks	All	All	Female	120.1	12.3	107.8
12	ACC	5 Weeks	All	All	Male	154.4	17.1	137.3
36	ACC	All	20-30	All	All	161.2	13.5	147.7
18	ACC	All	20-30	All	Female	60.0	6.3	53.7
18	ACC	All	20-30	All	Male	101.2	7.2	94.0
14	ACC	All	20-30	Nonuser	All	37.6	4.8	32.8
7	ACC	All	20-30	Nonuser	Female	8.5	3.3	5.1
7	ACC	All	20-30	Nonuser	Male	29.1	1.4	27.7
22	ACC	All	20-30	User	All	123.7	8.8	114.9
11	ACC	All	20-30	User	Female	51.6	3.0	48.6
11	ACC	All	20-30	User	Male	72.1	5.8	66.3
36	ACC	All	40-50	All	All	197.1	16.8	180.4
18	ACC	All	40-50	All	Female	104.2	6.4	97.8
18	ACC	All	40-50	All	Male	93.0	10.3	82.6
14	ACC	All	40-50	Nonuser	All	40.0	3.4	36.6
7	ACC	All	40-50	Nonuser	Female	10.1	1.1	9.0
7	ACC	All	40-50	Nonuser	Male	29.8	2.2	27.6
22	ACC	All	40-50	User	All	157.2	13.4	143.8
11	ACC	All	40-50	User	Female	94.1	5.3	88.8
11	ACC	All	40-50	User	Male	63.1	8.1	55.0
36	ACC	All	60-70	All	All	175.3	33.4	141.9
18	ACC	All	60-70	All	Female	65.6	14.4	51.2
18	ACC	All	60-70	All	Male	109.6	19.0	90.6
14	ACC	All	60-70	Nonuser	All	40.0	9.0	31.0

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
7	ACC	All	60-70	Nonuser	Female	22.8	5.9	16.9
7	ACC	All	60-70	Nonuser	Male	17.2	3.1	14.1
22	ACC	All	60-70	User	All	135.2	24.4	110.9
11	ACC	All	60-70	User	Female	42.9	8.5	34.3
11	ACC	All	60-70	User	Male	92.4	15.8	76.5
10	ACC	All	All	All	All	533.6	63.7	470.0
54	ACC	All	All	All	Female	229.9	27.1	202.7
54	ACC	All	All	All	Male	303.8	36.5	267.3
42	ACC	All	All	Nonuser	All	117.6	17.2	100.4
21	ACC	All	All	Nonuser	Female	41.4	10.3	31.0
21	ACC	All	All	Nonuser	Male	76.2	6.8	69.4
66	ACC	All	All	User	All	416.1	46.5	369.6
33	ACC	All	All	User	Female	188.5	16.8	171.7
33	ACC	All	All	User	Male	227.6	29.7	197.9
28	All	2 Weeks	20-30	All	All	331.7	145.1	186.6
14	All	2 Weeks	20-30	All	Female	130.0	60.3	69.7
14	All	2 Weeks	20-30	All	Male	201.7	84.8	116.9
14	All	2 Weeks	20-30	Nonuser	All	182.2	72.1	110.1
7	All	2 Weeks	20-30	Nonuser	Female	59.9	31.5	28.4
7	All	2 Weeks	20-30	Nonuser	Male	122.3	40.6	81.7
14	All	2 Weeks	20-30	User	All	149.5	73.0	76.5
7	All	2 Weeks	20-30	User	Female	70.1	28.8	41.3
7	All	2 Weeks	20-30	User	Male	79.4	44.2	35.2
28	All	2 Weeks	40-50	All	All	346.7	141.9	204.9
14	All	2 Weeks	40-50	All	Female	143.6	55.6	88.0
14	All	2 Weeks	40-50	All	Male	203.1	86.2	116.9
14	All	2 Weeks	40-50	Nonuser	All	192.2	82.6	109.6
7	All	2 Weeks	40-50	Nonuser	Female	57.4	26.3	31.1
7	All	2 Weeks	40-50	Nonuser	Male	134.8	56.3	78.5
14	All	2 Weeks	40-50	User	All	154.5	59.3	95.2
7	All	2 Weeks	40-50	User	Female	86.2	29.3	56.9
7	All	2 Weeks	40-50	User	Male	68.3	30.0	38.3
28	All	2 Weeks	60-70	All	All	284.1	129.6	154.6
14	All	2 Weeks	60-70	All	Female	112.9	53.3	59.5
14	All	2 Weeks	60-70	All	Male	171.3	76.3	95.0
14	All	2 Weeks	60-70	Nonuser	All	121.5	59.6	61.9
7	All	2 Weeks	60-70	Nonuser	Female	50.6	25.9	24.7
7	All	2 Weeks	60-70	Nonuser	Male	70.9	33.8	37.1
14	All	2 Weeks	60-70	User	All	162.6	70.0	92.7
7	All	2 Weeks	60-70	User	Female	62.3	27.5	34.8
7	All	2 Weeks	60-70	User	Male	100.4	42.5	57.9
84	All	2 Weeks	All	All	All	962.6	416.6	546.0
42	All	2 Weeks	All	All	Female	386.5	169.3	217.2
42	All	2 Weeks	All	All	Male	576.1	247.3	328.8

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
42	All	2 Weeks	All	Nonuser	All	495.9	214.3	281.6
21	All	2 Weeks	All	Nonuser	Female	167.9	83.7	84.2
21	All	2 Weeks	All	Nonuser	Male	328.0	130.7	197.4
42	All	2 Weeks	All	User	All	466.7	202.3	264.4
21	All	2 Weeks	All	User	Female	218.6	85.6	133.0
21	All	2 Weeks	All	User	Male	248.1	116.6	131.4
8	All	5 Weeks	20-30	All	All	262.3	93.3	169.0
4	All	5 Weeks	20-30	All	Female	108.5	45.5	63.0
4	All	5 Weeks	20-30	All	Male	153.8	47.8	105.9
8	All	5 Weeks	40-50	All	All	259.3	96.3	163.0
4	All	5 Weeks	40-50	All	Female	152.0	50.5	101.5
4	All	5 Weeks	40-50	All	Male	107.3	45.8	61.5
8	All	5 Weeks	60-70	All	All	186.7	85.0	101.7
4	All	5 Weeks	60-70	All	Female	74.2	40.0	34.2
4	All	5 Weeks	60-70	All	Male	112.5	45.0	67.5
24	All	5 Weeks	All	All	All	708.3	274.7	433.6
12	All	5 Weeks	All	All	Female	334.7	136.0	198.7
12	All	5 Weeks	All	All	Male	373.6	138.7	234.9
36	All	All	20-30	All	All	594.0	238.5	355.5
18	All	All	20-30	All	Female	238.5	105.8	132.7
18	All	All	20-30	All	Male	355.5	132.6	222.8
14	All	All	20-30	Nonuser	All	182.2	72.1	110.1
7	All	All	20-30	Nonuser	Female	59.9	31.5	28.4
7	All	All	20-30	Nonuser	Male	122.3	40.6	81.7
22	All	All	20-30	User	All	411.8	166.4	245.5
11	All	All	20-30	User	Female	178.7	74.3	104.4
11	All	All	20-30	User	Male	233.2	92.0	141.1
36	All	All	40-50	All	All	606.1	238.2	367.9
18	All	All	40-50	All	Female	295.6	106.1	189.5
18	All	All	40-50	All	Male	310.4	132.1	178.4
14	All	All	40-50	Nonuser	All	192.2	82.6	109.6
7	All	All	40-50	Nonuser	Female	57.4	26.3	31.1
7	All	All	40-50	Nonuser	Male	134.8	56.3	78.5
22	All	All	40-50	User	All	413.8	155.6	258.2
11	All	All	40-50	User	Female	238.2	79.8	158.4
11	All	All	40-50	User	Male	175.6	75.8	99.8
36	All	All	60-70	All	All	470.9	214.6	256.2
18	All	All	60-70	All	Female	187.1	93.3	93.7
18	All	All	60-70	All	Male	283.8	121.3	162.5
14	All	All	60-70	Nonuser	All	121.5	59.6	61.9
7	All	All	60-70	Nonuser	Female	50.6	25.9	24.7
7	All	All	60-70	Nonuser	Male	70.9	33.8	37.1
22	All	All	60-70	User	All	349.4	155.0	194.4
11	All	All	60-70	User	Female	136.5	67.5	69.0

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
11	All	All	60-70	User	Male	212.9	87.5	125.4
10	All	All	All	All	All	1670.9	691.3	979.6
54	All	All	All	All	Female	721.2	305.3	415.9
54	All	All	All	All	Male	949.7	386.0	563.7
42	All	All	All	Nonuser	All	495.9	214.3	281.6
21	All	All	All	Nonuser	Female	167.9	83.7	84.2
21	All	All	All	Nonuser	Male	328.0	130.7	197.4
66	All	All	All	User	All	1175.0	476.9	698.1
33	All	All	All	User	Female	553.4	221.6	331.7
33	All	All	All	User	Male	621.6	255.3	366.3
28	CCC	2 Weeks	20-30	All	All	32.1	2.3	29.8
14	CCC	2 Weeks	20-30	All	Female	7.9	0.8	7.1
14	CCC	2 Weeks	20-30	All	Male	24.2	1.5	22.7
14	CCC	2 Weeks	20-30	Nonuser	All	22.5	1.2	21.3
7	CCC	2 Weeks	20-30	Nonuser	Female	2.1	0.7	1.4
7	CCC	2 Weeks	20-30	Nonuser	Male	20.4	0.5	19.9
14	CCC	2 Weeks	20-30	User	All	9.6	1.1	8.4
7	CCC	2 Weeks	20-30	User	Female	5.8	0.1	5.7
7	CCC	2 Weeks	20-30	User	Male	3.8	1.0	2.8
28	CCC	2 Weeks	40-50	All	All	44.8	4.3	40.5
14	CCC	2 Weeks	40-50	All	Female	18.9	1.3	17.6
14	CCC	2 Weeks	40-50	All	Male	25.9	3.0	22.9
14	CCC	2 Weeks	40-50	Nonuser	All	23.1	1.9	21.1
7	CCC	2 Weeks	40-50	Nonuser	Female	9.1	0.3	8.8
7	CCC	2 Weeks	40-50	Nonuser	Male	14.0	1.6	12.4
14	CCC	2 Weeks	40-50	User	All	21.7	2.3	19.4
7	CCC	2 Weeks	40-50	User	Female	9.8	1.0	8.8
7	CCC	2 Weeks	40-50	User	Male	11.8	1.3	10.5
28	CCC	2 Weeks	60-70	All	All	39.9	10.6	29.3
14	CCC	2 Weeks	60-70	All	Female	12.6	3.7	8.9
14	CCC	2 Weeks	60-70	All	Male	27.3	6.9	20.5
14	CCC	2 Weeks	60-70	Nonuser	All	14.1	3.6	10.5
7	CCC	2 Weeks	60-70	Nonuser	Female	4.6	2.4	2.2
7	CCC	2 Weeks	60-70	Nonuser	Male	9.5	1.3	8.2
14	CCC	2 Weeks	60-70	User	All	25.8	6.9	18.8
7	CCC	2 Weeks	60-70	User	Female	8.0	1.3	6.6
7	CCC	2 Weeks	60-70	User	Male	17.8	5.6	12.2
84	CCC	2 Weeks	All	All	All	116.8	17.2	99.6
42	CCC	2 Weeks	All	All	Female	39.4	5.9	33.6
42	CCC	2 Weeks	All	All	Male	77.3	11.3	66.0
42	CCC	2 Weeks	All	Nonuser	All	59.7	6.8	52.9
21	CCC	2 Weeks	All	Nonuser	Female	15.8	3.4	12.4
21	CCC	2 Weeks	All	Nonuser	Male	43.9	3.3	40.6
42	CCC	2 Weeks	All	User	All	57.1	10.4	46.7

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
21	CCC	2 Weeks	All	User	Female	23.6	2.5	21.2
21	CCC	2 Weeks	All	User	Male	33.4	7.9	25.5
8	CCC	5 Weeks	20-30	All	All	14.4	0.6	13.9
4	CCC	5 Weeks	20-30	All	Female	5.4	0.4	5.0
4	CCC	5 Weeks	20-30	All	Male	9.0	0.2	8.8
8	CCC	5 Weeks	40-50	All	All	22.5	0.8	21.6
4	CCC	5 Weeks	40-50	All	Female	13.2	0.4	12.9
4	CCC	5 Weeks	40-50	All	Male	9.2	0.5	8.8
8	CCC	5 Weeks	60-70	All	All	11.4	1.7	9.8
4	CCC	5 Weeks	60-70	All	Female	8.1	1.3	6.8
4	CCC	5 Weeks	60-70	All	Male	3.3	0.3	2.9
24	CCC	5 Weeks	All	All	All	48.3	3.0	45.3
12	CCC	5 Weeks	All	All	Female	26.8	2.1	24.7
12	CCC	5 Weeks	All	All	Male	21.5	1.0	20.6
36	CCC	All	20-30	All	All	46.5	2.9	43.6
18	CCC	All	20-30	All	Female	13.3	1.2	12.1
18	CCC	All	20-30	All	Male	33.2	1.7	31.5
14	CCC	All	20-30	Nonuser	All	22.5	1.2	21.3
7	CCC	All	20-30	Nonuser	Female	2.1	0.7	1.4
7	CCC	All	20-30	Nonuser	Male	20.4	0.5	19.9
22	CCC	All	20-30	User	All	24.0	1.7	22.3
11	CCC	All	20-30	User	Female	11.2	0.5	10.7
11	CCC	All	20-30	User	Male	12.8	1.2	11.6
36	CCC	All	40-50	All	All	67.2	5.1	62.1
18	CCC	All	40-50	All	Female	32.2	1.7	30.5
18	CCC	All	40-50	All	Male	35.1	3.4	31.7
14	CCC	All	40-50	Nonuser	All	23.1	1.9	21.1
7	CCC	All	40-50	Nonuser	Female	9.1	0.3	8.8
7	CCC	All	40-50	Nonuser	Male	14.0	1.6	12.4
22	CCC	All	40-50	User	All	44.1	3.2	41.0
11	CCC	All	40-50	User	Female	23.1	1.4	21.7
11	CCC	All	40-50	User	Male	21.1	1.8	19.3
36	CCC	All	60-70	All	All	51.4	12.3	39.1
18	CCC	All	60-70	All	Female	20.8	5.0	15.7
18	CCC	All	60-70	All	Male	30.6	7.2	23.4
14	CCC	All	60-70	Nonuser	All	14.1	3.6	10.5
7	CCC	All	60-70	Nonuser	Female	4.6	2.4	2.2
7	CCC	All	60-70	Nonuser	Male	9.5	1.3	8.2
22	CCC	All	60-70	User	All	37.2	8.6	28.6
11	CCC	All	60-70	User	Female	16.1	2.6	13.5
11	CCC	All	60-70	User	Male	21.1	6.0	15.1
10	CCC	All	All	All	All	165.1	20.2	144.9
54	CCC	All	All	All	Female	66.2	7.9	58.3
54	CCC	All	All	All	Male	98.9	12.3	86.6

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
42	CCC	All	All	Nonuser	All	59.7	6.8	52.9
21	CCC	All	All	Nonuser	Female	15.8	3.4	12.4
21	CCC	All	All	Nonuser	Male	43.9	3.3	40.6
66	CCC	All	All	User	All	105.4	13.5	91.9
33	CCC	All	All	User	Female	50.4	4.5	45.9
33	CCC	All	All	User	Male	55.0	8.9	46.0
28	Man1	2 Weeks	20-30	All	All	102.7	60.4	42.3
14	Man1	2 Weeks	20-30	All	Female	37.7	21.7	16.0
14	Man1	2 Weeks	20-30	All	Male	65.1	38.7	26.3
14	Man1	2 Weeks	20-30	Nonuser	All	59.0	30.9	28.1
7	Man1	2 Weeks	20-30	Nonuser	Female	20.2	11.2	9.0
7	Man1	2 Weeks	20-30	Nonuser	Male	38.8	19.7	19.2
14	Man1	2 Weeks	20-30	User	All	43.7	29.6	14.2
7	Man1	2 Weeks	20-30	User	Female	17.5	10.5	7.0
7	Man1	2 Weeks	20-30	User	Male	26.2	19.1	7.2
28	Man1	2 Weeks	40-50	All	All	106.3	61.4	44.9
14	Man1	2 Weeks	40-50	All	Female	50.5	28.2	22.2
14	Man1	2 Weeks	40-50	All	Male	55.8	33.2	22.7
14	Man1	2 Weeks	40-50	Nonuser	All	58.9	34.1	24.8
7	Man1	2 Weeks	40-50	Nonuser	Female	23.1	13.5	9.6
7	Man1	2 Weeks	40-50	Nonuser	Male	35.8	20.6	15.2
14	Man1	2 Weeks	40-50	User	All	47.4	27.3	20.1
7	Man1	2 Weeks	40-50	User	Female	27.4	14.8	12.6
7	Man1	2 Weeks	40-50	User	Male	20.0	12.5	7.5
28	Man1	2 Weeks	60-70	All	All	75.8	48.8	27.0
14	Man1	2 Weeks	60-70	All	Female	28.3	18.7	9.6
14	Man1	2 Weeks	60-70	All	Male	47.5	30.0	17.4
14	Man1	2 Weeks	60-70	Nonuser	All	35.6	22.9	12.7
7	Man1	2 Weeks	60-70	Nonuser	Female	9.8	7.2	2.6
7	Man1	2 Weeks	60-70	Nonuser	Male	25.7	15.7	10.1
14	Man1	2 Weeks	60-70	User	All	40.2	25.9	14.4
7	Man1	2 Weeks	60-70	User	Female	18.5	11.5	7.0
7	Man1	2 Weeks	60-70	User	Male	21.7	14.3	7.4
84	Man1	2 Weeks	All	All	All	284.8	170.6	114.2
42	Man1	2 Weeks	All	All	Female	116.5	68.6	47.9
42	Man1	2 Weeks	All	All	Male	168.3	101.9	66.4
42	Man1	2 Weeks	All	Nonuser	All	153.4	87.8	65.6
21	Man1	2 Weeks	All	Nonuser	Female	53.1	31.9	21.2
21	Man1	2 Weeks	All	Nonuser	Male	100.4	56.0	44.4
42	Man1	2 Weeks	All	User	All	131.4	82.7	48.6
21	Man1	2 Weeks	All	User	Female	63.4	36.8	26.6
21	Man1	2 Weeks	All	User	Male	68.0	46.0	22.0
8	Man1	5 Weeks	20-30	All	All	32.0	18.4	13.6
4	Man1	5 Weeks	20-30	All	Female	15.1	8.5	6.6

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
4	Man1	5 Weeks	20-30	All	Male	16.9	9.8	7.1
8	Man1	5 Weeks	40-50	All	All	31.7	17.2	14.4
4	Man1	5 Weeks	40-50	All	Female	19.3	8.1	11.2
4	Man1	5 Weeks	40-50	All	Male	12.4	9.1	3.3
8	Man1	5 Weeks	60-70	All	All	21.9	13.9	8.1
4	Man1	5 Weeks	60-70	All	Female	10.7	7.5	3.2
4	Man1	5 Weeks	60-70	All	Male	11.3	6.4	4.9
24	Man1	5 Weeks	All	All	All	85.6	49.5	36.2
12	Man1	5 Weeks	All	All	Female	45.1	24.2	20.9
12	Man1	5 Weeks	All	All	Male	40.6	25.3	15.2
36	Man1	All	20-30	All	All	134.7	78.8	55.9
18	Man1	All	20-30	All	Female	52.8	30.2	22.6
18	Man1	All	20-30	All	Male	82.0	48.6	33.4
14	Man1	All	20-30	Nonuser	All	59.0	30.9	28.1
7	Man1	All	20-30	Nonuser	Female	20.2	11.2	9.0
7	Man1	All	20-30	Nonuser	Male	38.8	19.7	19.2
22	Man1	All	20-30	User	All	75.8	48.0	27.8
11	Man1	All	20-30	User	Female	32.6	19.0	13.6
11	Man1	All	20-30	User	Male	43.2	28.9	14.2
36	Man1	All	40-50	All	All	138.0	78.6	59.3
18	Man1	All	40-50	All	Female	69.8	36.4	33.4
18	Man1	All	40-50	All	Male	68.2	42.3	25.9
14	Man1	All	40-50	Nonuser	All	58.9	34.1	24.8
7	Man1	All	40-50	Nonuser	Female	23.1	13.5	9.6
7	Man1	All	40-50	Nonuser	Male	35.8	20.6	15.2
22	Man1	All	40-50	User	All	79.1	44.5	34.5
11	Man1	All	40-50	User	Female	46.7	22.9	23.8
11	Man1	All	40-50	User	Male	32.4	21.6	10.8
36	Man1	All	60-70	All	All	97.7	62.6	35.1
18	Man1	All	60-70	All	Female	39.0	26.2	12.8
18	Man1	All	60-70	All	Male	58.7	36.4	22.3
14	Man1	All	60-70	Nonuser	All	35.6	22.9	12.7
7	Man1	All	60-70	Nonuser	Female	9.8	7.2	2.6
7	Man1	All	60-70	Nonuser	Male	25.7	15.7	10.1
22	Man1	All	60-70	User	All	62.2	39.7	22.4
11	Man1	All	60-70	User	Female	29.2	19.0	10.2
11	Man1	All	60-70	User	Male	33.0	20.7	12.2
10	Man1	All	All	All	All	370.5	220.1	150.4
54	Man1	All	All	All	Female	161.6	92.8	68.8
54	Man1	All	All	All	Male	208.9	127.3	81.6
42	Man1	All	All	Nonuser	All	153.4	87.8	65.6
21	Man1	All	All	Nonuser	Female	53.1	31.9	21.2
21	Man1	All	All	Nonuser	Male	100.4	56.0	44.4
66	Man1	All	All	User	All	217.0	132.2	84.8

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
33	Man1	All	All	User	Female	108.5	60.9	47.6
33	Man1	All	All	User	Male	108.5	71.3	37.2
28	Man2	2 Weeks	20-30	All	All	123.3	74.3	49.0
14	Man2	2 Weeks	20-30	All	Female	57.2	33.3	23.9
14	Man2	2 Weeks	20-30	All	Male	66.1	41.0	25.1
14	Man2	2 Weeks	20-30	Nonuser	All	63.1	35.3	27.8
7	Man2	2 Weeks	20-30	Nonuser	Female	29.2	16.3	12.9
7	Man2	2 Weeks	20-30	Nonuser	Male	34.0	19.1	14.9
14	Man2	2 Weeks	20-30	User	All	60.2	39.0	21.2
7	Man2	2 Weeks	20-30	User	Female	28.1	17.1	11.0
7	Man2	2 Weeks	20-30	User	Male	32.1	21.9	10.2
28	Man2	2 Weeks	40-50	All	All	104.4	67.6	36.8
14	Man2	2 Weeks	40-50	All	Female	33.4	23.5	9.9
14	Man2	2 Weeks	40-50	All	Male	71.1	44.2	26.9
14	Man2	2 Weeks	40-50	Nonuser	All	70.3	43.2	27.1
7	Man2	2 Weeks	40-50	Nonuser	Female	15.1	11.4	3.7
7	Man2	2 Weeks	40-50	Nonuser	Male	55.2	31.8	23.4
14	Man2	2 Weeks	40-50	User	All	34.2	24.5	9.7
7	Man2	2 Weeks	40-50	User	Female	18.3	12.1	6.2
7	Man2	2 Weeks	40-50	User	Male	15.9	12.4	3.5
28	Man2	2 Weeks	60-70	All	All	74.1	52.7	21.5
14	Man2	2 Weeks	60-70	All	Female	30.2	23.1	7.1
14	Man2	2 Weeks	60-70	All	Male	43.9	29.5	14.4
14	Man2	2 Weeks	60-70	Nonuser	All	31.8	24.1	7.7
7	Man2	2 Weeks	60-70	Nonuser	Female	13.4	10.4	3.0
7	Man2	2 Weeks	60-70	Nonuser	Male	18.4	13.7	4.7
14	Man2	2 Weeks	60-70	User	All	42.3	28.6	13.8
7	Man2	2 Weeks	60-70	User	Female	16.9	12.7	4.2
7	Man2	2 Weeks	60-70	User	Male	25.5	15.8	9.6
84	Man2	2 Weeks	All	All	All	301.9	194.6	107.3
42	Man2	2 Weeks	All	All	Female	120.8	79.9	40.9
42	Man2	2 Weeks	All	All	Male	181.0	114.7	66.4
42	Man2	2 Weeks	All	Nonuser	All	165.2	102.6	62.6
21	Man2	2 Weeks	All	Nonuser	Female	57.6	38.1	19.6
21	Man2	2 Weeks	All	Nonuser	Male	107.6	64.5	43.0
42	Man2	2 Weeks	All	User	All	136.7	92.0	44.6
21	Man2	2 Weeks	All	User	Female	63.2	41.9	21.3
21	Man2	2 Weeks	All	User	Male	73.4	50.1	23.3
8	Man2	5 Weeks	20-30	All	All	128.2	68.9	59.3
4	Man2	5 Weeks	20-30	All	Female	55.2	34.7	20.5
4	Man2	5 Weeks	20-30	All	Male	73.0	34.2	38.8
8	Man2	5 Weeks	40-50	All	All	99.3	70.1	29.2
4	Man2	5 Weeks	40-50	All	Female	56.2	38.2	18.0
4	Man2	5 Weeks	40-50	All	Male	43.1	31.9	11.2

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
8	Man2	5 Weeks	60-70	All	All	72.4	53.7	18.7
4	Man2	5 Weeks	60-70	All	Female	31.4	24.6	6.8
4	Man2	5 Weeks	60-70	All	Male	41.0	29.2	11.8
24	Man2	5 Weeks	All	All	All	299.9	192.7	107.1
12	Man2	5 Weeks	All	All	Female	142.8	97.5	45.3
12	Man2	5 Weeks	All	All	Male	157.1	95.3	61.8
36	Man2	All	20-30	All	All	251.5	143.3	108.3
18	Man2	All	20-30	All	Female	112.4	68.1	44.4
18	Man2	All	20-30	All	Male	139.1	75.2	63.9
14	Man2	All	20-30	Nonuser	All	63.1	35.3	27.8
7	Man2	All	20-30	Nonuser	Female	29.2	16.3	12.9
7	Man2	All	20-30	Nonuser	Male	34.0	19.1	14.9
22	Man2	All	20-30	User	All	188.4	107.9	80.4
11	Man2	All	20-30	User	Female	83.2	51.8	31.5
11	Man2	All	20-30	User	Male	105.1	56.1	49.0
36	Man2	All	40-50	All	All	203.7	137.7	66.0
18	Man2	All	40-50	All	Female	89.5	61.7	27.9
18	Man2	All	40-50	All	Male	114.2	76.0	38.1
14	Man2	All	40-50	Nonuser	All	70.3	43.2	27.1
7	Man2	All	40-50	Nonuser	Female	15.1	11.4	3.7
7	Man2	All	40-50	Nonuser	Male	55.2	31.8	23.4
22	Man2	All	40-50	User	All	133.4	94.5	38.9
11	Man2	All	40-50	User	Female	74.4	50.3	24.2
11	Man2	All	40-50	User	Male	59.0	44.3	14.7
36	Man2	All	60-70	All	All	146.5	106.4	40.1
18	Man2	All	60-70	All	Female	61.7	47.7	14.0
18	Man2	All	60-70	All	Male	84.9	58.7	26.2
14	Man2	All	60-70	Nonuser	All	31.8	24.1	7.7
7	Man2	All	60-70	Nonuser	Female	13.4	10.4	3.0
7	Man2	All	60-70	Nonuser	Male	18.4	13.7	4.7
22	Man2	All	60-70	User	All	114.7	82.3	32.4
11	Man2	All	60-70	User	Female	48.3	37.3	11.0
11	Man2	All	60-70	User	Male	66.4	45.0	21.4
10	Man2	All	All	All	All	601.7	387.3	214.4
54	Man2	All	All	All	Female	263.6	177.4	86.2
54	Man2	All	All	All	Male	338.1	209.9	128.2
42	Man2	All	All	Nonuser	All	165.2	102.6	62.6
21	Man2	All	All	Nonuser	Female	57.6	38.1	19.6
21	Man2	All	All	Nonuser	Male	107.6	64.5	43.0
66	Man2	All	All	User	All	436.5	284.8	151.8
33	Man2	All	All	User	Female	206.0	139.3	66.6
33	Man2	All	All	User	Male	230.6	145.4	85.2
28	Manual	2 Weeks	20-30	All	All	226.0	134.7	91.3
14	Manual	2 Weeks	20-30	All	Female	94.9	55.0	39.9

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
14	Manual	2 Weeks	20-30	All	Male	131.1	79.7	51.4
14	Manual	2 Weeks	20-30	Nonuser	All	122.1	66.2	55.9
7	Manual	2 Weeks	20-30	Nonuser	Female	49.3	27.5	21.9
7	Manual	2 Weeks	20-30	Nonuser	Male	72.8	38.7	34.1
14	Manual	2 Weeks	20-30	User	All	103.9	68.5	35.4
7	Manual	2 Weeks	20-30	User	Female	45.6	27.5	18.0
7	Manual	2 Weeks	20-30	User	Male	58.3	41.0	17.3
28	Manual	2 Weeks	40-50	All	All	210.7	129.0	81.7
14	Manual	2 Weeks	40-50	All	Female	83.9	51.7	32.1
14	Manual	2 Weeks	40-50	All	Male	126.9	77.3	49.6
14	Manual	2 Weeks	40-50	Nonuser	All	129.2	77.3	51.9
7	Manual	2 Weeks	40-50	Nonuser	Female	38.2	24.9	13.3
7	Manual	2 Weeks	40-50	Nonuser	Male	91.0	52.4	38.6
14	Manual	2 Weeks	40-50	User	All	81.6	51.8	29.8
7	Manual	2 Weeks	40-50	User	Female	45.6	26.8	18.8
7	Manual	2 Weeks	40-50	User	Male	35.9	24.9	11.0
28	Manual	2 Weeks	60-70	All	All	149.9	101.4	48.5
14	Manual	2 Weeks	60-70	All	Female	58.6	41.8	16.7
14	Manual	2 Weeks	60-70	All	Male	91.3	59.6	31.8
14	Manual	2 Weeks	60-70	Nonuser	All	67.4	47.0	20.4
7	Manual	2 Weeks	60-70	Nonuser	Female	23.2	17.6	5.6
7	Manual	2 Weeks	60-70	Nonuser	Male	44.2	29.4	14.8
14	Manual	2 Weeks	60-70	User	All	82.6	54.4	28.1
7	Manual	2 Weeks	60-70	User	Female	35.4	24.2	11.2
7	Manual	2 Weeks	60-70	User	Male	47.2	30.2	17.0
84	Manual	2 Weeks	All	All	All	586.7	365.2	221.5
42	Manual	2 Weeks	All	All	Female	237.3	148.6	88.8
42	Manual	2 Weeks	All	All	Male	349.4	216.6	132.7
42	Manual	2 Weeks	All	Nonuser	All	318.7	190.4	128.2
21	Manual	2 Weeks	All	Nonuser	Female	110.7	69.9	40.8
21	Manual	2 Weeks	All	Nonuser	Male	207.9	120.5	87.4
42	Manual	2 Weeks	All	User	All	268.0	174.7	93.3
21	Manual	2 Weeks	All	User	Female	126.6	78.6	48.0
21	Manual	2 Weeks	All	User	Male	141.4	96.1	45.3
8	Manual	5 Weeks	20-30	All	All	160.2	87.3	72.9
4	Manual	5 Weeks	20-30	All	Female	70.3	43.3	27.0
4	Manual	5 Weeks	20-30	All	Male	89.9	44.1	45.9
8	Manual	5 Weeks	40-50	All	All	130.9	87.3	43.6
4	Manual	5 Weeks	40-50	All	Female	75.4	46.3	29.1
4	Manual	5 Weeks	40-50	All	Male	55.5	41.0	14.5
8	Manual	5 Weeks	60-70	All	All	94.3	67.6	26.7
4	Manual	5 Weeks	60-70	All	Female	42.1	32.1	10.0
4	Manual	5 Weeks	60-70	All	Male	52.2	35.5	16.7
24	Manual	5 Weeks	All	All	All	385.5	242.2	143.3

Count	Mode	Test Time	Age	Cruise Usage	Gender	Time (hours) for different velocity ranges		
						> 35mph	35 – 55 mph	> 55 mph
12	Manual	5 Weeks	All	All	Female	187.8	121.6	66.2
12	Manual	5 Weeks	All	All	Male	197.7	120.6	77.1
36	Manual	All	20-30	All	All	386.3	222.1	164.2
18	Manual	All	20-30	All	Female	165.2	98.3	66.9
18	Manual	All	20-30	All	Male	221.1	123.8	97.3
14	Manual	All	20-30	Nonuser	All	122.1	66.2	55.9
7	Manual	All	20-30	Nonuser	Female	49.3	27.5	21.9
7	Manual	All	20-30	Nonuser	Male	72.8	38.7	34.1
22	Manual	All	20-30	User	All	264.1	155.9	108.3
11	Manual	All	20-30	User	Female	115.9	70.8	45.0
11	Manual	All	20-30	User	Male	148.3	85.1	63.2
36	Manual	All	40-50	All	All	341.7	216.3	125.4
18	Manual	All	40-50	All	Female	159.3	98.0	61.3
18	Manual	All	40-50	All	Male	182.4	118.3	64.1
14	Manual	All	40-50	Nonuser	All	129.2	77.3	51.9
7	Manual	All	40-50	Nonuser	Female	38.2	24.9	13.3
7	Manual	All	40-50	Nonuser	Male	91.0	52.4	38.6
22	Manual	All	40-50	User	All	212.5	139.1	73.4
11	Manual	All	40-50	User	Female	121.1	73.2	47.9
11	Manual	All	40-50	User	Male	91.4	65.9	25.5
36	Manual	All	60-70	All	All	244.3	169.0	75.3
18	Manual	All	60-70	All	Female	100.7	73.9	26.8
18	Manual	All	60-70	All	Male	143.6	95.1	48.5
14	Manual	All	60-70	Nonuser	All	67.4	47.0	20.4
7	Manual	All	60-70	Nonuser	Female	23.2	17.6	5.6
7	Manual	All	60-70	Nonuser	Male	44.2	29.4	14.8
22	Manual	All	60-70	User	All	176.9	122.0	54.9
11	Manual	All	60-70	User	Female	77.5	56.3	21.2
11	Manual	All	60-70	User	Male	99.4	65.7	33.7
10	Manual	All	All	All	All	972.2	607.4	364.8
54	Manual	All	All	All	Female	425.2	270.2	155.0
54	Manual	All	All	All	Male	547.0	337.2	209.8
42	Manual	All	All	Nonuser	All	318.7	190.4	128.2
21	Manual	All	All	Nonuser	Female	110.7	69.9	40.8
21	Manual	All	All	Nonuser	Male	207.9	120.5	87.4
66	Manual	All	All	User	All	653.5	417.0	236.6
33	Manual	All	All	User	Female	314.5	200.3	114.2
33	Manual	All	All	User	Male	339.1	216.7	122.4

Table C-2. Distance statistics summary table (1)

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
28	ACC	2 Weeks	20-30	All	All	4876.9	22.7	390.3	4463.9

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
14	ACC	2 Weeks	20-30	All	Female	1758.0	9.5	214.6	1533.9
14	ACC	2 Weeks	20-30	All	Male	3118.9	13.2	175.7	2930.0
14	ACC	2 Weeks	20-30	Nonuser	All	2452.2	12.6	228.9	2210.7
7	ACC	2 Weeks	20-30	Nonuser	Female	489.1	4.5	157.7	326.9
7	ACC	2 Weeks	20-30	Nonuser	Male	1963.1	8.1	71.2	1883.8
14	ACC	2 Weeks	20-30	User	All	2424.6	10.1	161.3	2253.2
7	ACC	2 Weeks	20-30	User	Female	1268.8	5.0	56.9	1207.0
7	ACC	2 Weeks	20-30	User	Male	1155.8	5.1	104.4	1046.2
28	ACC	2 Weeks	40-50	All	All	5910.2	31.1	413.6	5465.5
14	ACC	2 Weeks	40-50	All	Female	2643.2	15.3	126.1	2501.8
14	ACC	2 Weeks	40-50	All	Male	3267.0	15.8	287.5	2963.6
14	ACC	2 Weeks	40-50	Nonuser	All	2603.9	9.3	166.7	2427.9
7	ACC	2 Weeks	40-50	Nonuser	Female	643.9	2.9	54.7	586.3
7	ACC	2 Weeks	40-50	Nonuser	Male	1960.0	6.4	112.0	1841.6
14	ACC	2 Weeks	40-50	User	All	3306.3	21.8	246.9	3037.5
7	ACC	2 Weeks	40-50	User	Female	1999.3	12.3	71.5	1915.5
7	ACC	2 Weeks	40-50	User	Male	1307.0	9.4	175.5	1122.0
28	ACC	2 Weeks	60-70	All	All	5823.6	39.9	836.5	4947.2
14	ACC	2 Weeks	60-70	All	Female	2591.0	20.7	368.1	2202.2
14	ACC	2 Weeks	60-70	All	Male	3232.6	19.2	468.4	2745.0
14	ACC	2 Weeks	60-70	Nonuser	All	2447.2	24.7	424.1	1998.4
7	ACC	2 Weeks	60-70	Nonuser	Female	1375.7	15.4	276.3	1084.0
7	ACC	2 Weeks	60-70	Nonuser	Male	1071.4	9.3	147.7	914.4
14	ACC	2 Weeks	60-70	User	All	3376.5	15.2	412.4	2948.8
7	ACC	2 Weeks	60-70	User	Female	1215.3	5.3	91.8	1118.2
7	ACC	2 Weeks	60-70	User	Male	2161.2	9.9	320.7	1830.6
84	ACC	2 Weeks	All	All	All	16610.7	93.7	1640.4	14876.
42	ACC	2 Weeks	All	All	Female	6992.2	45.4	708.9	6237.9
42	ACC	2 Weeks	All	All	Male	9618.5	48.3	931.6	8638.7
42	ACC	2 Weeks	All	Nonuser	All	7503.3	46.6	819.7	6637.0
21	ACC	2 Weeks	All	Nonuser	Female	2508.8	22.8	488.7	1997.3
21	ACC	2 Weeks	All	Nonuser	Male	4994.5	23.8	331.0	4639.8
42	ACC	2 Weeks	All	User	All	9107.4	47.1	820.7	8239.5
21	ACC	2 Weeks	All	User	Female	4483.4	22.6	220.1	4240.6
21	ACC	2 Weeks	All	User	Male	4624.0	24.5	600.6	3998.9
8	ACC	5 Weeks	20-30	All	All	5955.1	16.7	265.0	5673.5
4	ACC	5 Weeks	20-30	All	Female	2232.8	5.8	92.0	2135.1
4	ACC	5 Weeks	20-30	All	Male	3722.3	10.9	173.0	3538.5
8	ACC	5 Weeks	40-50	All	All	7322.5	20.8	396.7	6905.0
4	ACC	5 Weeks	40-50	All	Female	4379.1	13.1	188.6	4177.4
4	ACC	5 Weeks	40-50	All	Male	2943.3	7.6	208.1	2727.6
8	ACC	5 Weeks	60-70	All	All	5144.5	31.5	729.5	4383.5
4	ACC	5 Weeks	60-70	All	Female	1483.6	10.2	313.6	1159.8
4	ACC	5 Weeks	60-70	All	Male	3660.9	21.3	415.9	3223.7

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
24	ACC	5 Weeks	All	All	All	18422.1	68.9	1391.2	16962.
12	ACC	5 Weeks	All	All	Female	8095.6	29.1	594.1	7472.3
12	ACC	5 Weeks	All	All	Male	10326.6	39.8	797.0	9489.7
36	ACC	All	20-30	All	All	10832.0	39.4	655.2	10137.
18	ACC	All	20-30	All	Female	3990.8	15.3	306.6	3668.9
18	ACC	All	20-30	All	Male	6841.2	24.1	348.7	6468.5
14	ACC	All	20-30	Nonuser	All	2452.2	12.6	228.9	2210.7
7	ACC	All	20-30	Nonuser	Female	489.1	4.5	157.7	326.9
7	ACC	All	20-30	Nonuser	Male	1963.1	8.1	71.2	1883.8
22	ACC	All	20-30	User	All	8379.8	26.8	426.3	7926.7
11	ACC	All	20-30	User	Female	3501.6	10.8	148.9	3342.0
11	ACC	All	20-30	User	Male	4878.1	16.0	277.4	4584.7
36	ACC	All	40-50	All	All	13232.7	51.9	810.3	12370.
18	ACC	All	40-50	All	Female	7022.4	28.4	314.7	6679.3
18	ACC	All	40-50	All	Male	6210.3	23.5	495.6	5691.2
14	ACC	All	40-50	Nonuser	All	2603.9	9.3	166.7	2427.9
7	ACC	All	40-50	Nonuser	Female	643.9	2.9	54.7	586.3
7	ACC	All	40-50	Nonuser	Male	1960.0	6.4	112.0	1841.6
22	ACC	All	40-50	User	All	10628.7	42.6	643.7	9942.5
11	ACC	All	40-50	User	Female	6378.4	25.5	260.0	6092.9
11	ACC	All	40-50	User	Male	4250.3	17.1	383.6	3849.6
36	ACC	All	60-70	All	All	10968.2	71.4	1566.0	9330.8
18	ACC	All	60-70	All	Female	4074.6	30.9	681.7	3362.0
18	ACC	All	60-70	All	Male	6893.5	40.5	884.3	5968.7
14	ACC	All	60-70	Nonuser	All	2447.2	24.7	424.1	1998.4
7	ACC	All	60-70	Nonuser	Female	1375.7	15.4	276.3	1084.0
7	ACC	All	60-70	Nonuser	Male	1071.4	9.3	147.7	914.4
22	ACC	All	60-70	User	All	8521.0	46.7	1141.9	7332.3
11	ACC	All	60-70	User	Female	2698.9	15.5	405.4	2278.0
11	ACC	All	60-70	User	Male	5822.1	31.2	736.6	5054.3
108	ACC	All	All	All	All	35032.8	162.6	3031.6	31838.
54	ACC	All	All	All	Female	15087.8	74.5	1303.0	13710.
54	ACC	All	All	All	Male	19945.0	88.1	1728.6	18128.
42	ACC	All	All	Nonuser	All	7503.3	46.6	819.7	6637.0
21	ACC	All	All	Nonuser	Female	2508.8	22.8	488.7	1997.3
21	ACC	All	All	Nonuser	Male	4994.5	23.8	331.0	4639.8
66	ACC	All	All	User	All	27529.5	116.0	2211.9	25201.
33	ACC	All	All	User	Female	12579.0	51.8	814.3	11713.
33	ACC	All	All	User	Male	14950.5	64.3	1397.6	13488.
28	All	2 Weeks	20-30	All	All	22969.8	3971.4	6412.7	12585.
14	All	2 Weeks	20-30	All	Female	9201.1	1897.6	2635.9	4667.6
14	All	2 Weeks	20-30	All	Male	13768.6	2073.8	3776.8	7918.1
14	All	2 Weeks	20-30	Nonuser	All	12629.7	2046.5	3199.2	7384.1
7	All	2 Weeks	20-30	Nonuser	Female	4233.2	980.5	1382.0	1870.7

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
7	All	2 Weeks	20-30	Nonuser	Male	8396.6	1066.0	1817.2	5513.4
14	All	2 Weeks	20-30	User	All	10340.1	1924.9	3213.5	5201.6
7	All	2 Weeks	20-30	User	Female	4968.0	917.1	1254.0	2796.9
7	All	2 Weeks	20-30	User	Male	5372.1	1007.8	1959.6	2404.7
28	All	2 Weeks	40-50	All	All	23404.0	3661.2	6285.6	13457.
14	All	2 Weeks	40-50	All	Female	9883.4	1695.8	2449.5	5738.2
14	All	2 Weeks	40-50	All	Male	13520.6	1965.4	3836.2	7718.9
14	All	2 Weeks	40-50	Nonuser	All	12964.5	2086.9	3668.7	7209.0
7	All	2 Weeks	40-50	Nonuser	Female	4046.5	859.3	1148.7	2038.6
7	All	2 Weeks	40-50	Nonuser	Male	8918.0	1227.6	2520.0	5170.4
14	All	2 Weeks	40-50	User	All	10439.4	1574.3	2617.0	6248.2
7	All	2 Weeks	40-50	User	Female	5836.9	836.5	1300.8	3699.6
7	All	2 Weeks	40-50	User	Male	4602.6	737.8	1316.2	2548.6
28	All	2 Weeks	60-70	All	All	18930.2	3264.1	5744.2	9921.9
14	All	2 Weeks	60-70	All	Female	7580.9	1390.3	2351.5	3839.0
14	All	2 Weeks	60-70	All	Male	11349.3	1873.7	3392.7	6082.9
14	All	2 Weeks	60-70	Nonuser	All	8286.3	1701.6	2619.7	3965.0
7	All	2 Weeks	60-70	Nonuser	Female	3412.8	700.3	1144.7	1567.8
7	All	2 Weeks	60-70	Nonuser	Male	4873.5	1001.3	1475.0	2397.2
14	All	2 Weeks	60-70	User	All	10643.9	1562.5	3124.5	5956.9
7	All	2 Weeks	60-70	User	Female	4168.1	690.1	1206.8	2271.2
7	All	2 Weeks	60-70	User	Male	6475.8	872.4	1917.7	3685.7
84	All	2 Weeks	All	All	All	65303.9	10896.	18442.	35964.
42	All	2 Weeks	All	All	Female	26665.4	4983.7	7436.9	14244.
42	All	2 Weeks	All	All	Male	38638.5	5912.9	11005.	21719.
42	All	2 Weeks	All	Nonuser	All	33880.6	5835.0	9487.5	18558.
21	All	2 Weeks	All	Nonuser	Female	11692.5	2540.1	3675.3	5477.1
21	All	2 Weeks	All	Nonuser	Male	22188.1	3294.9	5812.2	13080.
42	All	2 Weeks	All	User	All	31423.4	5061.6	8955.0	17406.
21	All	2 Weeks	All	User	Female	14973.0	2443.6	3761.6	8767.7
21	All	2 Weeks	All	User	Male	16450.4	2618.0	5193.4	8639.0
8	All	5 Weeks	20-30	All	All	18035.7	2400.4	4169.2	11466.
4	All	5 Weeks	20-30	All	Female	7370.8	1067.9	2054.6	4248.4
4	All	5 Weeks	20-30	All	Male	10664.8	1332.5	2114.6	7217.7
8	All	5 Weeks	40-50	All	All	18051.3	2564.5	4247.6	11239.
4	All	5 Weeks	40-50	All	Female	10518.5	1322.0	2252.1	6944.4
4	All	5 Weeks	40-50	All	Male	7532.8	1242.5	1995.5	4294.8
8	All	5 Weeks	60-70	All	All	12652.4	2118.1	3741.0	6793.3
4	All	5 Weeks	60-70	All	Female	4979.7	919.0	1776.8	2284.0
4	All	5 Weeks	60-70	All	Male	7672.7	1199.1	1964.3	4509.3
24	All	5 Weeks	All	All	All	48739.4	7083.0	12157.	29498.
12	All	5 Weeks	All	All	Female	22869.1	3308.9	6083.5	13476.
12	All	5 Weeks	All	All	Male	25870.4	3774.1	6074.4	16021.
36	All	All	20-30	All	All	41005.4	6371.8	10581.	24051.

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
18	All	All	20-30	All	Female	16572.0	2965.5	4690.5	8916.0
18	All	All	20-30	All	Male	24433.5	3406.3	5891.4	15135.
14	All	All	20-30	Nonuser	All	12629.7	2046.5	3199.2	7384.1
7	All	All	20-30	Nonuser	Female	4233.2	980.5	1382.0	1870.7
7	All	All	20-30	Nonuser	Male	8396.6	1066.0	1817.2	5513.4
22	All	All	20-30	User	All	28375.7	4325.3	7382.7	16667.
11	All	All	20-30	User	Female	12338.8	1985.0	3308.5	7045.3
11	All	All	20-30	User	Male	16036.9	2340.3	4074.2	9622.5
36	All	All	40-50	All	All	41455.3	6225.7	10533.	24696.
18	All	All	40-50	All	Female	20401.9	3017.7	4701.6	12682.
18	All	All	40-50	All	Male	21053.4	3207.9	5831.7	12013.
14	All	All	40-50	Nonuser	All	12964.5	2086.9	3668.7	7209.0
7	All	All	40-50	Nonuser	Female	4046.5	859.3	1148.7	2038.6
7	All	All	40-50	Nonuser	Male	8918.0	1227.6	2520.0	5170.4
22	All	All	40-50	User	All	28490.7	4138.8	6864.6	17487.
11	All	All	40-50	User	Female	16355.3	2158.5	3552.9	10644.
11	All	All	40-50	User	Male	12135.4	1980.3	3311.7	6843.4
36	All	All	60-70	All	All	31582.6	5382.2	9485.2	16715.
18	All	All	60-70	All	Female	12560.6	2309.3	4128.3	6123.0
18	All	All	60-70	All	Male	19022.0	3072.9	5356.9	10592.
14	All	All	60-70	Nonuser	All	8286.3	1701.6	2619.7	3965.0
7	All	All	60-70	Nonuser	Female	3412.8	700.3	1144.7	1567.8
7	All	All	60-70	Nonuser	Male	4873.5	1001.3	1475.0	2397.2
22	All	All	60-70	User	All	23296.3	3680.6	6865.5	12750.
11	All	All	60-70	User	Female	9147.8	1609.0	2983.6	4555.2
11	All	All	60-70	User	Male	14148.5	2071.5	3881.9	8195.0
108	All	All	All	All	All	114043.3	17979.	30600.	65463.
54	All	All	All	All	Female	49534.5	8292.6	13520.	27721.
54	All	All	All	All	Male	64508.8	9687.1	17080.	37741.
42	All	All	All	Nonuser	All	33880.6	5835.0	9487.5	18558.
21	All	All	All	Nonuser	Female	11692.5	2540.1	3675.3	5477.1
21	All	All	All	Nonuser	Male	22188.1	3294.9	5812.2	13080.
66	All	All	All	User	All	80162.8	12144.	21112.	46905.
33	All	All	All	User	Female	37842.0	5752.5	9845.1	22244.
33	All	All	All	User	Male	42320.8	6392.1	11267.	24660.
28	CCC	2 Weeks	20-30	All	All	2123.8	5.3	108.0	2010.6
14	CCC	2 Weeks	20-30	All	Female	524.2	1.9	40.0	482.3
14	CCC	2 Weeks	20-30	All	Male	1599.6	3.3	67.9	1528.3
14	CCC	2 Weeks	20-30	Nonuser	All	1489.1	2.4	55.2	1431.5
7	CCC	2 Weeks	20-30	Nonuser	Female	128.3	0.4	34.2	93.7
7	CCC	2 Weeks	20-30	Nonuser	Male	1360.8	2.1	21.0	1337.7
14	CCC	2 Weeks	20-30	User	All	634.7	2.8	52.8	579.1
7	CCC	2 Weeks	20-30	User	Female	395.9	1.5	5.8	388.5
7	CCC	2 Weeks	20-30	User	Male	238.8	1.3	47.0	190.6

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
28	CCC	2 Weeks	40-50	All	All	2962.5	14.3	207.0	2741.3
14	CCC	2 Weeks	40-50	All	Female	1242.8	6.9	64.5	1171.4
14	CCC	2 Weeks	40-50	All	Male	1719.8	7.4	142.5	1569.9
14	CCC	2 Weeks	40-50	Nonuser	All	1552.6	5.9	95.2	1451.5
7	CCC	2 Weeks	40-50	Nonuser	Female	613.9	1.9	15.6	596.4
7	CCC	2 Weeks	40-50	Nonuser	Male	938.7	4.0	79.6	855.1
14	CCC	2 Weeks	40-50	User	All	1410.0	8.4	111.8	1289.8
7	CCC	2 Weeks	40-50	User	Female	628.9	5.0	48.9	575.0
7	CCC	2 Weeks	40-50	User	Male	781.1	3.4	62.9	714.8
28	CCC	2 Weeks	60-70	All	All	2414.6	15.3	506.5	1892.8
14	CCC	2 Weeks	60-70	All	Female	750.9	6.6	174.6	569.8
14	CCC	2 Weeks	60-70	All	Male	1663.7	8.7	331.9	1323.0
14	CCC	2 Weeks	60-70	Nonuser	All	872.5	6.6	171.9	694.0
7	CCC	2 Weeks	60-70	Nonuser	Female	253.5	3.2	111.2	139.1
7	CCC	2 Weeks	60-70	Nonuser	Male	618.9	3.4	60.7	554.9
14	CCC	2 Weeks	60-70	User	All	1542.2	8.8	334.6	1198.8
7	CCC	2 Weeks	60-70	User	Female	497.4	3.4	63.3	430.7
7	CCC	2 Weeks	60-70	User	Male	1044.7	5.3	271.3	768.1
84	CCC	2 Weeks	All	All	All	7501.0	34.9	821.4	6644.7
42	CCC	2 Weeks	All	All	Female	2518.0	15.5	279.0	2223.5
42	CCC	2 Weeks	All	All	Male	4983.0	19.4	542.4	4421.3
42	CCC	2 Weeks	All	Nonuser	All	3914.1	14.9	322.3	3576.9
21	CCC	2 Weeks	All	Nonuser	Female	995.7	5.5	161.1	829.2
21	CCC	2 Weeks	All	Nonuser	Male	2918.4	9.4	161.2	2747.7
42	CCC	2 Weeks	All	User	All	3586.9	20.0	499.1	3067.8
21	CCC	2 Weeks	All	User	Female	1522.2	10.0	118.0	1394.3
21	CCC	2 Weeks	All	User	Male	2064.6	10.0	381.1	1673.5
8	CCC	5 Weeks	20-30	All	All	990.4	3.0	29.6	957.8
4	CCC	5 Weeks	20-30	All	Female	374.8	1.0	19.5	354.2
4	CCC	5 Weeks	20-30	All	Male	615.7	2.0	10.1	603.6
8	CCC	5 Weeks	40-50	All	All	1528.3	5.6	39.6	1483.1
4	CCC	5 Weeks	40-50	All	Female	893.7	3.6	18.6	871.5
4	CCC	5 Weeks	40-50	All	Male	634.6	2.0	21.0	611.6
8	CCC	5 Weeks	60-70	All	All	744.0	3.5	76.6	663.8
4	CCC	5 Weeks	60-70	All	Female	531.8	2.2	60.1	469.4
4	CCC	5 Weeks	60-70	All	Male	212.2	1.3	16.5	194.4
24	CCC	5 Weeks	All	All	All	3262.7	12.2	145.8	3104.7
12	CCC	5 Weeks	All	All	Female	1800.2	6.8	98.3	1695.1
12	CCC	5 Weeks	All	All	Male	1462.5	5.3	47.6	1409.6
36	CCC	All	20-30	All	All	3114.3	8.3	137.6	2968.4
18	CCC	All	20-30	All	Female	899.0	3.0	59.6	836.4
18	CCC	All	20-30	All	Male	2215.3	5.3	78.0	2132.0
14	CCC	All	20-30	Nonuser	All	1489.1	2.4	55.2	1431.5
7	CCC	All	20-30	Nonuser	Female	128.3	0.4	34.2	93.7

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
7	CCC	All	20-30	Nonuser	Male	1360.8	2.1	21.0	1337.7
22	CCC	All	20-30	User	All	1625.2	5.8	82.4	1536.9
11	CCC	All	20-30	User	Female	770.6	2.6	25.3	742.7
11	CCC	All	20-30	User	Male	854.5	3.2	57.1	794.2
36	CCC	All	40-50	All	All	4490.8	19.9	246.6	4224.4
18	CCC	All	40-50	All	Female	2136.5	10.5	83.1	2042.9
18	CCC	All	40-50	All	Male	2354.4	9.4	163.5	2181.5
14	CCC	All	40-50	Nonuser	All	1552.6	5.9	95.2	1451.5
7	CCC	All	40-50	Nonuser	Female	613.9	1.9	15.6	596.4
7	CCC	All	40-50	Nonuser	Male	938.7	4.0	79.6	855.1
22	CCC	All	40-50	User	All	2938.3	14.0	151.4	2772.9
11	CCC	All	40-50	User	Female	1522.6	8.6	67.5	1446.5
11	CCC	All	40-50	User	Male	1415.7	5.4	83.9	1326.4
36	CCC	All	60-70	All	All	3158.6	18.9	583.1	2556.6
18	CCC	All	60-70	All	Female	1282.7	8.8	234.7	1039.2
18	CCC	All	60-70	All	Male	1875.9	10.1	348.4	1517.4
14	CCC	All	60-70	Nonuser	All	872.5	6.6	171.9	694.0
7	CCC	All	60-70	Nonuser	Female	253.5	3.2	111.2	139.1
7	CCC	All	60-70	Nonuser	Male	618.9	3.4	60.7	554.9
22	CCC	All	60-70	User	All	2286.1	12.3	411.2	1862.7
11	CCC	All	60-70	User	Female	1029.2	5.6	123.4	900.1
11	CCC	All	60-70	User	Male	1256.9	6.7	287.7	962.5
108	CCC	All	All	All	All	10763.7	47.0	967.3	9749.4
54	CCC	All	All	All	Female	4318.2	22.3	377.3	3918.6
54	CCC	All	All	All	Male	6445.5	24.8	590.0	5830.8
42	CCC	All	All	Nonuser	All	3914.1	14.9	322.3	3576.9
21	CCC	All	All	Nonuser	Female	995.7	5.5	161.1	829.2
21	CCC	All	All	Nonuser	Male	2918.4	9.4	161.2	2747.7
66	CCC	All	All	User	All	6849.6	32.1	645.0	6172.5
33	CCC	All	All	User	Female	3322.4	16.8	216.3	3089.4
33	CCC	All	All	User	Male	3527.1	15.3	428.7	3083.1
28	Man1	2 Weeks	20-30	All	All	7216.7	1729.4	2650.3	2836.9
14	Man1	2 Weeks	20-30	All	Female	2685.1	684.8	944.6	1055.7
14	Man1	2 Weeks	20-30	All	Male	4531.5	1044.6	1705.7	1781.2
14	Man1	2 Weeks	20-30	Nonuser	All	4148.6	897.5	1361.6	1889.5
7	Man1	2 Weeks	20-30	Nonuser	Female	1453.7	372.3	486.7	594.6
7	Man1	2 Weeks	20-30	Nonuser	Male	2694.9	525.2	874.8	1294.9
14	Man1	2 Weeks	20-30	User	All	3068.0	831.9	1288.7	947.4
7	Man1	2 Weeks	20-30	User	Female	1231.4	312.5	457.9	461.0
7	Man1	2 Weeks	20-30	User	Male	1836.6	519.4	830.9	486.4
28	Man1	2 Weeks	40-50	All	All	7259.9	1638.9	2698.2	2922.9
14	Man1	2 Weeks	40-50	All	Female	3493.5	822.3	1240.2	1430.9
14	Man1	2 Weeks	40-50	All	Male	3766.5	816.5	1458.0	1491.9
14	Man1	2 Weeks	40-50	Nonuser	All	4014.0	891.8	1500.2	1622.0

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
7	Man1	2 Weeks	40-50	Nonuser	Female	1597.9	390.5	588.8	618.6
7	Man1	2 Weeks	40-50	Nonuser	Male	2416.1	501.3	911.4	1003.4
14	Man1	2 Weeks	40-50	User	All	3245.9	747.1	1198.0	1300.9
7	Man1	2 Weeks	40-50	User	Female	1895.6	431.8	651.4	812.4
7	Man1	2 Weeks	40-50	User	Male	1350.3	315.2	546.6	488.5
28	Man1	2 Weeks	60-70	All	All	5338.5	1488.7	2121.2	1728.6
14	Man1	2 Weeks	60-70	All	Female	2007.6	572.8	807.9	626.9
14	Man1	2 Weeks	60-70	All	Male	3330.8	915.8	1313.3	1101.7
14	Man1	2 Weeks	60-70	Nonuser	All	2566.0	783.6	988.9	793.5
7	Man1	2 Weeks	60-70	Nonuser	Female	747.7	279.2	306.0	162.6
7	Man1	2 Weeks	60-70	Nonuser	Male	1818.3	504.4	683.0	630.9
14	Man1	2 Weeks	60-70	User	All	2772.5	705.1	1132.2	935.1
7	Man1	2 Weeks	60-70	User	Female	1259.9	293.7	501.9	464.3
7	Man1	2 Weeks	60-70	User	Male	1512.6	411.4	630.3	470.8
84	Man1	2 Weeks	All	All	All	19815.0	4857.0	7469.6	7488.4
42	Man1	2 Weeks	All	All	Female	8186.2	2080.0	2992.7	3113.6
42	Man1	2 Weeks	All	All	Male	11628.8	2777.0	4477.0	4374.8
42	Man1	2 Weeks	All	Nonuser	All	10728.7	2572.9	3850.7	4305.0
21	Man1	2 Weeks	All	Nonuser	Female	3799.3	1042.0	1381.5	1375.8
21	Man1	2 Weeks	All	Nonuser	Male	6929.3	1531.0	2469.2	2929.2
42	Man1	2 Weeks	All	User	All	9086.4	2284.1	3618.9	3183.4
21	Man1	2 Weeks	All	User	Female	4386.9	1038.0	1611.1	1737.7
21	Man1	2 Weeks	All	User	Male	4699.5	1246.1	2007.8	1445.6
8	Man1	5 Weeks	20-30	All	All	2183.0	479.4	816.0	887.6
4	Man1	5 Weeks	20-30	All	Female	1024.9	207.1	387.1	430.7
4	Man1	5 Weeks	20-30	All	Male	1158.1	272.3	428.9	456.9
8	Man1	5 Weeks	40-50	All	All	2204.0	503.4	757.3	943.3
4	Man1	5 Weeks	40-50	All	Female	1353.1	260.9	361.8	730.3
4	Man1	5 Weeks	40-50	All	Male	850.9	242.4	395.5	213.0
8	Man1	5 Weeks	60-70	All	All	1515.0	376.0	601.5	537.5
4	Man1	5 Weeks	60-70	All	Female	720.7	185.9	329.3	205.5
4	Man1	5 Weeks	60-70	All	Male	794.3	190.2	272.2	332.0
24	Man1	5 Weeks	All	All	All	5902.0	1358.8	2174.8	2368.4
12	Man1	5 Weeks	All	All	Female	3098.7	653.9	1078.3	1366.5
12	Man1	5 Weeks	All	All	Male	2803.3	704.9	1096.5	1001.9
36	Man1	All	20-30	All	All	9399.7	2208.8	3466.3	3724.5
18	Man1	All	20-30	All	Female	3710.0	891.9	1331.8	1486.3
18	Man1	All	20-30	All	Male	5689.6	1316.9	2134.6	2238.1
14	Man1	All	20-30	Nonuser	All	4148.6	897.5	1361.6	1889.5
7	Man1	All	20-30	Nonuser	Female	1453.7	372.3	486.7	594.6
7	Man1	All	20-30	Nonuser	Male	2694.9	525.2	874.8	1294.9
22	Man1	All	20-30	User	All	5251.0	1311.3	2104.8	1835.0
11	Man1	All	20-30	User	Female	2256.3	519.6	845.0	891.7
11	Man1	All	20-30	User	Male	2994.7	791.7	1259.8	943.3

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
36	Man1	All	40-50	All	All	9463.9	2142.3	3455.5	3866.1
18	Man1	All	40-50	All	Female	4846.5	1083.3	1602.0	2161.2
18	Man1	All	40-50	All	Male	4617.4	1059.0	1853.5	1704.9
14	Man1	All	40-50	Nonuser	All	4014.0	891.8	1500.2	1622.0
7	Man1	All	40-50	Nonuser	Female	1597.9	390.5	588.8	618.6
7	Man1	All	40-50	Nonuser	Male	2416.1	501.3	911.4	1003.4
22	Man1	All	40-50	User	All	5449.9	1250.5	1955.3	2244.1
11	Man1	All	40-50	User	Female	3248.6	692.8	1013.2	1542.7
11	Man1	All	40-50	User	Male	2201.2	557.7	942.1	701.5
36	Man1	All	60-70	All	All	6853.5	1864.7	2722.6	2266.1
18	Man1	All	60-70	All	Female	2728.3	758.7	1137.2	832.4
18	Man1	All	60-70	All	Male	4125.1	1106.0	1585.5	1433.7
14	Man1	All	60-70	Nonuser	All	2566.0	783.6	988.9	793.5
7	Man1	All	60-70	Nonuser	Female	747.7	279.2	306.0	162.6
7	Man1	All	60-70	Nonuser	Male	1818.3	504.4	683.0	630.9
22	Man1	All	60-70	User	All	4287.5	1081.2	1733.7	1472.6
11	Man1	All	60-70	User	Female	1980.6	479.6	831.2	669.8
11	Man1	All	60-70	User	Male	2306.9	601.6	902.5	802.8
108	Man1	All	All	All	All	25717.0	6215.8	9644.4	9856.7
54	Man1	All	All	All	Female	11284.9	2733.9	4070.9	4480.0
54	Man1	All	All	All	Male	14432.1	3481.9	5573.5	5376.7
42	Man1	All	All	Nonuser	All	10728.7	2572.9	3850.7	4305.0
21	Man1	All	All	Nonuser	Female	3799.3	1042.0	1381.5	1375.8
21	Man1	All	All	Nonuser	Male	6929.3	1531.0	2469.2	2929.2
66	Man1	All	All	User	All	14988.4	3642.9	5793.7	5551.7
33	Man1	All	All	User	Female	7485.6	1691.9	2689.4	3104.2
33	Man1	All	All	User	Male	7502.8	1951.0	3104.3	2447.5
28	Man2	2 Weeks	20-30	All	All	8752.5	2214.0	3264.2	3274.3
14	Man2	2 Weeks	20-30	All	Female	4233.8	1201.4	1436.7	1595.8
14	Man2	2 Weeks	20-30	All	Male	4518.6	1012.6	1827.5	1678.5
14	Man2	2 Weeks	20-30	Nonuser	All	4539.7	1133.9	1553.5	1852.4
7	Man2	2 Weeks	20-30	Nonuser	Female	2162.0	603.3	703.3	855.4
7	Man2	2 Weeks	20-30	Nonuser	Male	2377.7	530.6	850.2	997.0
14	Man2	2 Weeks	20-30	User	All	4212.7	1080.1	1710.7	1421.9
7	Man2	2 Weeks	20-30	User	Female	2071.8	598.1	733.4	740.4
7	Man2	2 Weeks	20-30	User	Male	2140.9	482.0	977.3	681.5
28	Man2	2 Weeks	40-50	All	All	7271.3	1976.9	2966.9	2327.5
14	Man2	2 Weeks	40-50	All	Female	2503.9	851.2	1018.7	634.0
14	Man2	2 Weeks	40-50	All	Male	4767.4	1125.7	1948.2	1693.5
14	Man2	2 Weeks	40-50	Nonuser	All	4794.0	1179.9	1906.6	1707.6
7	Man2	2 Weeks	40-50	Nonuser	Female	1190.8	464.0	489.6	237.3
7	Man2	2 Weeks	40-50	Nonuser	Male	3603.2	715.9	1417.0	1470.3
14	Man2	2 Weeks	40-50	User	All	2477.3	797.0	1060.3	620.0
7	Man2	2 Weeks	40-50	User	Female	1313.1	387.3	529.1	396.7

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
7	Man2	2 Weeks	40-50	User	Male	1164.2	409.8	531.2	223.2
28	Man2	2 Weeks	60-70	All	All	5353.4	1720.2	2280.0	1353.2
14	Man2	2 Weeks	60-70	All	Female	2231.3	790.2	1001.0	440.1
14	Man2	2 Weeks	60-70	All	Male	3122.1	930.0	1279.0	913.1
14	Man2	2 Weeks	60-70	Nonuser	All	2400.7	886.8	1034.7	479.1
7	Man2	2 Weeks	60-70	Nonuser	Female	1035.8	402.5	451.1	182.1
7	Man2	2 Weeks	60-70	Nonuser	Male	1364.9	484.3	583.6	297.0
14	Man2	2 Weeks	60-70	User	All	2952.8	833.4	1245.3	874.1
7	Man2	2 Weeks	60-70	User	Female	1195.5	387.7	549.9	258.0
7	Man2	2 Weeks	60-70	User	Male	1757.2	445.7	695.4	616.1
84	Man2	2 Weeks	All	All	All	21377.2	5911.1	8511.1	6955.1
42	Man2	2 Weeks	All	All	Female	8969.1	2842.8	3456.4	2669.9
42	Man2	2 Weeks	All	All	Male	12408.1	3068.2	5054.7	4285.2
42	Man2	2 Weeks	All	Nonuser	All	11734.4	3200.6	4494.8	4039.1
21	Man2	2 Weeks	All	Nonuser	Female	4388.7	1469.8	1644.0	1274.8
21	Man2	2 Weeks	All	Nonuser	Male	7345.8	1730.8	2850.8	2764.3
42	Man2	2 Weeks	All	User	All	9642.8	2710.5	4016.3	2916.0
21	Man2	2 Weeks	All	User	Female	4580.4	1373.0	1812.3	1395.1
21	Man2	2 Weeks	All	User	Male	5062.3	1337.5	2203.9	1520.9
8	Man2	5 Weeks	20-30	All	All	8907.1	1901.3	3058.6	3947.2
4	Man2	5 Weeks	20-30	All	Female	3738.4	853.9	1556.0	1328.5
4	Man2	5 Weeks	20-30	All	Male	5168.7	1047.4	1502.6	2618.7
8	Man2	5 Weeks	40-50	All	All	6996.5	2034.7	3054.0	1907.8
4	Man2	5 Weeks	40-50	All	Female	3892.6	1044.3	1683.1	1165.2
4	Man2	5 Weeks	40-50	All	Male	3104.0	990.4	1370.9	742.7
8	Man2	5 Weeks	60-70	All	All	5249.0	1707.1	2333.5	1208.5
4	Man2	5 Weeks	60-70	All	Female	2243.6	720.7	1073.7	449.2
4	Man2	5 Weeks	60-70	All	Male	3005.3	986.3	1259.7	759.3
24	Man2	5 Weeks	All	All	All	21152.6	5643.1	8446.0	7063.5
12	Man2	5 Weeks	All	All	Female	9874.6	2619.0	4312.8	2942.8
12	Man2	5 Weeks	All	All	Male	11278.0	3024.1	4133.2	4120.7
36	Man2	All	20-30	All	All	17659.5	4115.3	6322.7	7221.5
18	Man2	All	20-30	All	Female	7972.2	2055.3	2992.6	2924.2
18	Man2	All	20-30	All	Male	9687.3	2060.0	3330.1	4297.3
14	Man2	All	20-30	Nonuser	All	4539.7	1133.9	1553.5	1852.4
7	Man2	All	20-30	Nonuser	Female	2162.0	603.3	703.3	855.4
7	Man2	All	20-30	Nonuser	Male	2377.7	530.6	850.2	997.0
22	Man2	All	20-30	User	All	13119.8	2981.4	4769.3	5369.1
11	Man2	All	20-30	User	Female	5810.2	1452.0	2289.3	2068.8
11	Man2	All	20-30	User	Male	7309.6	1529.4	2479.9	3300.3
36	Man2	All	40-50	All	All	14267.9	4011.6	6020.9	4235.4
18	Man2	All	40-50	All	Female	6396.5	1895.6	2701.8	1799.2
18	Man2	All	40-50	All	Male	7871.4	2116.1	3319.1	2436.2
14	Man2	All	40-50	Nonuser	All	4794.0	1179.9	1906.6	1707.6

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
7	Man2	All	40-50	Nonuser	Female	1190.8	464.0	489.6	237.3
7	Man2	All	40-50	Nonuser	Male	3603.2	715.9	1417.0	1470.3
22	Man2	All	40-50	User	All	9473.9	2831.8	4114.3	2527.8
11	Man2	All	40-50	User	Female	5205.7	1431.6	2212.2	1561.9
11	Man2	All	40-50	User	Male	4268.2	1400.2	1902.1	965.9
36	Man2	All	60-70	All	All	10602.4	3427.2	4613.5	2561.7
18	Man2	All	60-70	All	Female	4475.0	1511.0	2074.7	889.3
18	Man2	All	60-70	All	Male	6127.4	1916.3	2538.8	1672.4
14	Man2	All	60-70	Nonuser	All	2400.7	886.8	1034.7	479.1
7	Man2	All	60-70	Nonuser	Female	1035.8	402.5	451.1	182.1
7	Man2	All	60-70	Nonuser	Male	1364.9	484.3	583.6	297.0
22	Man2	All	60-70	User	All	8201.7	2540.4	3578.7	2082.6
11	Man2	All	60-70	User	Female	3439.1	1108.4	1623.6	707.2
11	Man2	All	60-70	User	Male	4762.6	1432.0	1955.2	1375.4
108	Man2	All	All	All	All	42529.8	11554.	16957.	14018.
54	Man2	All	All	All	Female	18843.7	5461.8	7769.1	5612.7
54	Man2	All	All	All	Male	23686.1	6092.4	9187.9	8405.8
42	Man2	All	All	Nonuser	All	11734.4	3200.6	4494.8	4039.1
21	Man2	All	All	Nonuser	Female	4388.7	1469.8	1644.0	1274.8
21	Man2	All	All	Nonuser	Male	7345.8	1730.8	2850.8	2764.3
66	Man2	All	All	User	All	30795.4	8353.6	12462.	9979.5
33	Man2	All	All	User	Female	14455.0	3992.0	6125.1	4337.9
33	Man2	All	All	User	Male	16340.3	4361.6	6337.2	5641.6
28	Manual	2 Weeks	20-30	All	All	15969.1	3943.4	5914.5	6111.2
14	Manual	2 Weeks	20-30	All	Female	6918.9	1886.2	2381.3	2651.5
14	Manual	2 Weeks	20-30	All	Male	9050.2	2057.2	3533.2	3459.8
14	Manual	2 Weeks	20-30	Nonuser	All	8688.4	2031.4	2915.0	3741.9
7	Manual	2 Weeks	20-30	Nonuser	Female	3615.7	975.6	1190.0	1450.0
7	Manual	2 Weeks	20-30	Nonuser	Male	5072.7	1055.8	1725.0	2291.9
14	Manual	2 Weeks	20-30	User	All	7280.7	1912.0	2999.4	2369.3
7	Manual	2 Weeks	20-30	User	Female	3303.2	910.6	1191.3	1201.4
7	Manual	2 Weeks	20-30	User	Male	3977.5	1001.4	1808.2	1167.9
28	Manual	2 Weeks	40-50	All	All	14531.2	3615.8	5665.0	5250.4
14	Manual	2 Weeks	40-50	All	Female	5997.4	1673.6	2258.9	2064.9
14	Manual	2 Weeks	40-50	All	Male	8533.8	1942.2	3406.2	3185.4
14	Manual	2 Weeks	40-50	Nonuser	All	8808.1	2071.7	3406.8	3329.6
7	Manual	2 Weeks	40-50	Nonuser	Female	2788.7	854.5	1078.4	855.8
7	Manual	2 Weeks	40-50	Nonuser	Male	6019.3	1217.2	2328.4	2473.7
14	Manual	2 Weeks	40-50	User	All	5723.2	1544.1	2258.2	1920.8
7	Manual	2 Weeks	40-50	User	Female	3208.7	819.1	1180.5	1209.1
7	Manual	2 Weeks	40-50	User	Male	2514.5	725.0	1077.8	711.7
28	Manual	2 Weeks	60-70	All	All	10691.9	3208.9	4401.2	3081.8
14	Manual	2 Weeks	60-70	All	Female	4239.0	1363.1	1808.9	1067.0
14	Manual	2 Weeks	60-70	All	Male	6452.9	1845.8	2592.3	2014.8

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
14	Manual	2 Weeks	60-70	Nonuser	All	4966.7	1670.4	2023.7	1272.6
7	Manual	2 Weeks	60-70	Nonuser	Female	1783.6	681.7	757.1	344.7
7	Manual	2 Weeks	60-70	Nonuser	Male	3183.1	988.7	1266.6	927.9
14	Manual	2 Weeks	60-70	User	All	5725.2	1538.5	2377.5	1809.2
7	Manual	2 Weeks	60-70	User	Female	2455.4	681.4	1051.8	722.3
7	Manual	2 Weeks	60-70	User	Male	3269.8	857.1	1325.7	1086.9
84	Manual	2 Weeks	All	All	All	41192.2	10768.	15980.	14443.
42	Manual	2 Weeks	All	All	Female	17155.3	4922.8	6449.0	5783.5
42	Manual	2 Weeks	All	All	Male	24036.9	5845.3	9531.7	8660.0
42	Manual	2 Weeks	All	Nonuser	All	22463.1	5773.5	8345.5	8344.1
21	Manual	2 Weeks	All	Nonuser	Female	8188.0	2511.8	3025.5	2650.6
21	Manual	2 Weeks	All	Nonuser	Male	14275.1	3261.7	5320.0	5693.4
42	Manual	2 Weeks	All	User	All	18729.1	4994.6	7635.2	6099.4
21	Manual	2 Weeks	All	User	Female	8967.3	2411.0	3423.5	3132.8
21	Manual	2 Weeks	All	User	Male	9761.8	2583.6	4211.7	2966.6
8	Manual	5 Weeks	20-30	All	All	11090.1	2380.7	3874.6	4834.8
4	Manual	5 Weeks	20-30	All	Female	4763.3	1061.1	1943.1	1759.1
4	Manual	5 Weeks	20-30	All	Male	6326.8	1319.7	1931.5	3075.6
8	Manual	5 Weeks	40-50	All	All	9200.5	2538.1	3811.3	2851.1
4	Manual	5 Weeks	40-50	All	Female	5245.7	1305.3	2044.9	1895.4
4	Manual	5 Weeks	40-50	All	Male	3954.9	1232.8	1766.4	955.7
8	Manual	5 Weeks	60-70	All	All	6764.0	2083.1	2934.9	1746.0
4	Manual	5 Weeks	60-70	All	Female	2964.3	906.6	1403.0	654.7
4	Manual	5 Weeks	60-70	All	Male	3799.6	1176.5	1531.9	1091.3
24	Manual	5 Weeks	All	All	All	27054.6	7001.9	10620.	9431.8
12	Manual	5 Weeks	All	All	Female	12973.3	3272.9	5391.0	4309.3
12	Manual	5 Weeks	All	All	Male	14081.3	3729.0	5229.8	5122.6
36	Manual	All	20-30	All	All	27059.2	6324.1	9789.1	10946.
18	Manual	All	20-30	All	Female	11682.2	2947.2	4324.4	4410.6
18	Manual	All	20-30	All	Male	15377.0	3376.9	5464.7	6535.4
14	Manual	All	20-30	Nonuser	All	8688.4	2031.4	2915.0	3741.9
7	Manual	All	20-30	Nonuser	Female	3615.7	975.6	1190.0	1450.0
7	Manual	All	20-30	Nonuser	Male	5072.7	1055.8	1725.0	2291.9
22	Manual	All	20-30	User	All	18370.8	4292.7	6874.0	7204.1
11	Manual	All	20-30	User	Female	8066.5	1971.6	3134.4	2960.5
11	Manual	All	20-30	User	Male	10304.3	2321.1	3739.7	4243.5
36	Manual	All	40-50	All	All	23731.8	6153.9	9476.3	8101.5
18	Manual	All	40-50	All	Female	11243.0	2978.9	4303.8	3960.4
18	Manual	All	40-50	All	Male	12488.7	3175.1	5172.6	4141.1
14	Manual	All	40-50	Nonuser	All	8808.1	2071.7	3406.8	3329.6
7	Manual	All	40-50	Nonuser	Female	2788.7	854.5	1078.4	855.8
7	Manual	All	40-50	Nonuser	Male	6019.3	1217.2	2328.4	2473.7
22	Manual	All	40-50	User	All	14923.7	4082.2	6069.5	4771.9
11	Manual	All	40-50	User	Female	8454.3	2124.4	3225.4	3104.5

Count	Mode	Test Time	Age	Cruise Usage	Gender	Distance (miles), for different velocities ranges			
						All	< 35 mph	35 – 55 mph	> 55 mph
11	Manual	All	40-50	User	Male	6469.4	1957.9	2844.1	1667.4
36	Manual	All	60-70	All	All	17455.9	5292.0	7336.1	4827.8
18	Manual	All	60-70	All	Female	7203.3	2269.7	3211.9	1721.7
18	Manual	All	60-70	All	Male	10252.6	3022.3	4124.2	3106.0
14	Manual	All	60-70	Nonuser	All	4966.7	1670.4	2023.7	1272.6
7	Manual	All	60-70	Nonuser	Female	1783.6	681.7	757.1	344.7
7	Manual	All	60-70	Nonuser	Male	3183.1	988.7	1266.6	927.9
22	Manual	All	60-70	User	All	12489.2	3621.6	5312.4	3555.2
11	Manual	All	60-70	User	Female	5419.7	1588.0	2454.8	1377.0
11	Manual	All	60-70	User	Male	7069.4	2033.6	2857.6	2178.2
108	Manual	All	All	All	All	68246.8	17770.	26601.	23875.
54	Manual	All	All	All	Female	30128.5	8195.8	11840.	10092.
54	Manual	All	All	All	Male	38118.3	9574.3	14761.	13782.
42	Manual	All	All	Nonuser	All	22463.1	5773.5	8345.5	8344.1
21	Manual	All	All	Nonuser	Female	8188.0	2511.8	3025.5	2650.6
21	Manual	All	All	Nonuser	Male	14275.1	3261.7	5320.0	5693.4
66	Manual	All	All	User	All	45783.7	11996.	18256.	15531.
33	Manual	All	All	User	Female	21940.6	5684.0	8814.5	7442.1
33	Manual	All	All	User	Male	23843.1	6312.6	9441.5	8089.1

Table C-3. Time statistics summary table (2)

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
1	ACC	27	2 Weeks	20-30	Nonuser	Female	70.4	1.1	69.3
2	ACC	31	2 Weeks	20-30	Nonuser	Female	21.7	3.0	18.8
3	ACC	38	2 Weeks	20-30	Nonuser	Female	123.7	54.1	69.6
4	ACC	39	2 Weeks	20-30	Nonuser	Female	94.2	70.7	23.5
5	ACC	44	2 Weeks	20-30	Nonuser	Female	64.7	45.6	19.1
6	ACC	45	2 Weeks	20-30	Nonuser	Female	89.3	25.6	63.7
7	ACC	49	2 Weeks	20-30	Nonuser	Female	44.0	0.3	43.7
8	ACC	4	2 Weeks	20-30	Nonuser	Male	407.3	8.7	398.6
9	ACC	41	2 Weeks	20-30	Nonuser	Male	28.7	0.0	28.7
10	ACC	63	2 Weeks	20-30	Nonuser	Male	22.4	3.8	18.6
11	ACC	93	2 Weeks	20-30	Nonuser	Male	404.2	11.1	393.2
12	ACC	98	2 Weeks	20-30	Nonuser	Male	803.7	45.8	757.9
13	ACC	109	2 Weeks	20-30	Nonuser	Male	56.6	9.5	47.1
14	ACC	114	2 Weeks	20-30	Nonuser	Male	23.7	6.4	17.2
15	ACC	10	2 Weeks	20-30	User	Female	61.5	6.3	55.2
16	ACC	15	2 Weeks	20-30	User	Female	122.1	3.2	118.8
17	ACC	30	2 Weeks	20-30	User	Female	108.4	4.9	103.5
18	ACC	42	2 Weeks	20-30	User	Female	36.4	7.1	29.2
19	ACC	50	2 Weeks	20-30	User	Female	127.9	25.7	102.2
20	ACC	51	2 Weeks	20-30	User	Female	292.6	22.1	270.5
21	ACC	52	2 Weeks	20-30	User	Female	376.7	0.7	376.1
22	ACC	33	2 Weeks	20-30	User	Male	274.8	28.1	246.6
23	ACC	37	2 Weeks	20-30	User	Male	84.4	24.5	59.9
24	ACC	54	2 Weeks	20-30	User	Male	285.0	23.8	261.1
25	ACC	59	2 Weeks	20-30	User	Male	167.9	37.7	130.2
26	ACC	60	2 Weeks	20-30	User	Male	63.6	11.7	51.9
27	ACC	61	2 Weeks	20-30	User	Male	149.6	5.2	144.4
28	ACC	64	2 Weeks	20-30	User	Male	12.2	0.0	12.2
29	ACC	1	2 Weeks	40-50	Nonuser	Female	41.4	9.1	32.2
30	ACC	23	2 Weeks	40-50	Nonuser	Female	99.5	8.2	91.3
31	ACC	25	2 Weeks	40-50	Nonuser	Female	33.3	2.5	30.8
32	ACC	26	2 Weeks	40-50	Nonuser	Female	139.8	15.5	124.3
33	ACC	29	2 Weeks	40-50	Nonuser	Female	66.6	0.5	66.2
34	ACC	80	2 Weeks	40-50	Nonuser	Female	50.7	14.1	36.6
35	ACC	84	2 Weeks	40-50	Nonuser	Female	176.6	17.9	158.6
36	ACC	34	2 Weeks	40-50	Nonuser	Male	77.1	2.8	74.3
37	ACC	75	2 Weeks	40-50	Nonuser	Male	831.7	61.4	770.4
38	ACC	94	2 Weeks	40-50	Nonuser	Male	297.3	2.0	295.3
39	ACC	102	2 Weeks	40-50	Nonuser	Male	77.8	1.7	76.1
40	ACC	111	2 Weeks	40-50	Nonuser	Male	143.7	6.2	137.5
41	ACC	112	2 Weeks	40-50	Nonuser	Male	49.4	32.9	16.5
42	ACC	117	2 Weeks	40-50	Nonuser	Male	313.7	28.0	285.7
43	ACC	5	2 Weeks	40-50	User	Female	52.8	1.5	51.3

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
44	ACC	6	2 Weeks	40-50	User	Female	128.9	1.9	127.0
45	ACC	8	2 Weeks	40-50	User	Female	173.2	2.3	170.9
46	ACC	9	2 Weeks	40-50	User	Female	557.6	21.6	536.0
47	ACC	12	2 Weeks	40-50	User	Female	187.5	15.6	171.8
48	ACC	21	2 Weeks	40-50	User	Female	412.8	24.8	388.1
49	ACC	24	2 Weeks	40-50	User	Female	330.4	20.8	309.6
50	ACC	3	2 Weeks	40-50	User	Male	66.6	17.2	49.4
51	ACC	14	2 Weeks	40-50	User	Male	203.2	31.8	171.4
52	ACC	17	2 Weeks	40-50	User	Male	102.4	37.6	64.7
53	ACC	22	2 Weeks	40-50	User	Male	92.4	46.6	45.8
54	ACC	35	2 Weeks	40-50	User	Male	106.9	23.0	84.0
55	ACC	74	2 Weeks	40-50	User	Male	73.4	33.2	40.2
56	ACC	105	2 Weeks	40-50	User	Male	586.8	33.4	553.4
57	ACC	43	2 Weeks	60-70	Nonuser	Female	185.3	99.5	85.8
58	ACC	46	2 Weeks	60-70	Nonuser	Female	80.0	19.6	60.3
59	ACC	82	2 Weeks	60-70	Nonuser	Female	394.7	67.6	327.2
60	ACC	83	2 Weeks	60-70	Nonuser	Female	65.5	31.5	34.0
61	ACC	91	2 Weeks	60-70	Nonuser	Female	231.0	122.1	108.9
62	ACC	95	2 Weeks	60-70	Nonuser	Female	88.5	2.9	85.6
63	ACC	106	2 Weeks	60-70	Nonuser	Female	321.0	8.9	312.1
64	ACC	103	2 Weeks	60-70	Nonuser	Male	124.6	32.6	92.0
65	ACC	107	2 Weeks	60-70	Nonuser	Male	165.0	31.6	133.4
66	ACC	108	2 Weeks	60-70	Nonuser	Male	138.6	0.0	138.6
67	ACC	110	2 Weeks	60-70	Nonuser	Male	300.7	40.0	260.8
68	ACC	113	2 Weeks	60-70	Nonuser	Male	167.4	68.8	98.5
69	ACC	115	2 Weeks	60-70	Nonuser	Male	91.7	11.0	80.8
70	ACC	116	2 Weeks	60-70	Nonuser	Male	46.3	4.7	41.6
71	ACC	13	2 Weeks	60-70	User	Female	335.1	30.5	304.6
72	ACC	48	2 Weeks	60-70	User	Female	91.9	3.9	88.0
73	ACC	57	2 Weeks	60-70	User	Female	68.3	14.5	53.8
74	ACC	65	2 Weeks	60-70	User	Female	53.5	29.2	24.3
75	ACC	67	2 Weeks	60-70	User	Female	155.2	23.3	131.9
76	ACC	69	2 Weeks	60-70	User	Female	69.4	10.9	58.5
77	ACC	72	2 Weeks	60-70	User	Female	360.6	0.8	359.8
78	ACC	7	2 Weeks	60-70	User	Male	461.1	73.3	387.8
79	ACC	11	2 Weeks	60-70	User	Male	523.0	108.6	414.4
80	ACC	18	2 Weeks	60-70	User	Male	387.8	73.7	314.0
81	ACC	19	2 Weeks	60-70	User	Male	204.3	77.3	127.0
82	ACC	20	2 Weeks	60-70	User	Male	305.5	27.9	277.6
83	ACC	32	2 Weeks	60-70	User	Male	51.6	1.4	50.1
84	ACC	47	2 Weeks	60-70	User	Male	190.1	38.8	151.3
85	ACC	56	5 Weeks	20-30	User	Female	731.3	4.2	727.1
86	ACC	73	5 Weeks	20-30	User	Female	581.8	59.1	522.7
87	ACC	79	5 Weeks	20-30	User	Female	110.5	24.3	86.2

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
88	ACC	87	5 Weeks	20-30	User	Female	544.4	21.4	523.0
89	ACC	55	5 Weeks	20-30	User	Male	278.5	103.9	174.5
90	ACC	68	5 Weeks	20-30	User	Male	856.2	0.0	856.2
91	ACC	76	5 Weeks	20-30	User	Male	926.6	48.5	878.1
92	ACC	89	5 Weeks	20-30	User	Male	1227.0	62.9	1164.1
93	ACC	88	5 Weeks	40-50	User	Female	707.3	120.6	586.7
94	ACC	96	5 Weeks	40-50	User	Female	1000.7	27.9	972.8
95	ACC	99	5 Weeks	40-50	User	Female	1923.1	36.6	1886.6
96	ACC	104	5 Weeks	40-50	User	Female	168.7	44.4	124.3
97	ACC	78	5 Weeks	40-50	User	Male	915.0	0.0	915.0
98	ACC	81	5 Weeks	40-50	User	Male	328.2	55.7	272.5
99	ACC	92	5 Weeks	40-50	User	Male	599.5	108.4	491.2
100	ACC	100	5 Weeks	40-50	User	Male	712.6	98.4	614.1
101	ACC	70	5 Weeks	60-70	User	Female	351.4	79.2	272.2
102	ACC	77	5 Weeks	60-70	User	Female	354.9	159.0	195.9
103	ACC	90	5 Weeks	60-70	User	Female	507.8	137.4	370.4
104	ACC	97	5 Weeks	60-70	User	Female	224.5	23.1	201.5
105	ACC	40	5 Weeks	60-70	User	Male	1857.8	63.3	1794.5
106	ACC	62	5 Weeks	60-70	User	Male	469.1	256.9	212.2
107	ACC	66	5 Weeks	60-70	User	Male	784.7	224.3	560.4
108	ACC	85	5 Weeks	60-70	User	Male	307.0	4.3	302.7
1	All	27	2 Weeks	20-30	Nonuser	Female	286.9	172.5	114.5
2	All	31	2 Weeks	20-30	Nonuser	Female	356.0	144.1	211.9
3	All	38	2 Weeks	20-30	Nonuser	Female	250.0	166.1	83.9
4	All	39	2 Weeks	20-30	Nonuser	Female	396.9	326.8	70.1
5	All	44	2 Weeks	20-30	Nonuser	Female	771.0	663.5	107.5
6	All	45	2 Weeks	20-30	Nonuser	Female	469.5	222.6	246.9
7	All	49	2 Weeks	20-30	Nonuser	Female	1061.8	194.6	867.2
8	All	4	2 Weeks	20-30	Nonuser	Male	1634.4	298.8	1335.6
9	All	41	2 Weeks	20-30	Nonuser	Male	225.9	110.4	115.5
10	All	63	2 Weeks	20-30	Nonuser	Male	668.8	482.5	186.3
11	All	93	2 Weeks	20-30	Nonuser	Male	800.5	271.7	528.8
12	All	98	2 Weeks	20-30	Nonuser	Male	2668.8	707.7	1961.1
13	All	109	2 Weeks	20-30	Nonuser	Male	841.3	310.7	530.7
14	All	114	2 Weeks	20-30	Nonuser	Male	498.0	254.6	243.4
15	All	10	2 Weeks	20-30	User	Female	541.3	196.1	345.2
16	All	15	2 Weeks	20-30	User	Female	405.5	165.5	240.0
17	All	30	2 Weeks	20-30	User	Female	598.4	237.2	361.3
18	All	42	2 Weeks	20-30	User	Female	282.9	110.2	172.7
19	All	50	2 Weeks	20-30	User	Female	785.7	519.8	265.9
20	All	51	2 Weeks	20-30	User	Female	542.0	220.4	321.6
21	All	52	2 Weeks	20-30	User	Female	1052.9	281.2	771.7
22	All	33	2 Weeks	20-30	User	Male	909.0	485.4	423.6
23	All	37	2 Weeks	20-30	User	Male	507.0	416.1	90.9

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
24	All	54	2 Weeks	20-30	User	Male	937.7	441.9	495.8
25	All	59	2 Weeks	20-30	User	Male	602.9	289.3	313.6
26	All	60	2 Weeks	20-30	User	Male	272.6	146.1	126.6
27	All	61	2 Weeks	20-30	User	Male	1113.3	608.8	504.5
28	All	64	2 Weeks	20-30	User	Male	421.4	264.5	156.9
29	All	1	2 Weeks	40-50	Nonuser	Female	455.7	323.9	131.9
30	All	23	2 Weeks	40-50	Nonuser	Female	305.3	72.4	232.9
31	All	25	2 Weeks	40-50	Nonuser	Female	310.8	169.7	141.1
32	All	26	2 Weeks	40-50	Nonuser	Female	551.0	278.8	272.2
33	All	29	2 Weeks	40-50	Nonuser	Female	400.1	212.9	187.3
34	All	80	2 Weeks	40-50	Nonuser	Female	702.5	228.0	474.5
35	All	84	2 Weeks	40-50	Nonuser	Female	719.3	292.8	426.5
36	All	34	2 Weeks	40-50	Nonuser	Male	1098.7	323.7	775.0
37	All	75	2 Weeks	40-50	Nonuser	Male	1572.0	628.4	943.7
38	All	94	2 Weeks	40-50	Nonuser	Male	1191.4	472.0	719.4
39	All	102	2 Weeks	40-50	Nonuser	Male	1614.1	667.0	947.0
40	All	111	2 Weeks	40-50	Nonuser	Male	1008.8	402.1	606.6
41	All	112	2 Weeks	40-50	Nonuser	Male	700.1	416.0	284.1
42	All	117	2 Weeks	40-50	Nonuser	Male	904.5	468.6	435.9
43	All	5	2 Weeks	40-50	User	Female	503.9	184.8	319.1
44	All	6	2 Weeks	40-50	User	Female	432.2	212.1	220.1
45	All	8	2 Weeks	40-50	User	Female	1027.7	301.2	726.5
46	All	9	2 Weeks	40-50	User	Female	1265.1	349.2	915.9
47	All	12	2 Weeks	40-50	User	Female	631.7	300.2	331.5
48	All	21	2 Weeks	40-50	User	Female	755.8	251.1	504.6
49	All	24	2 Weeks	40-50	User	Female	556.5	160.6	395.9
50	All	3	2 Weeks	40-50	User	Male	306.0	187.8	118.2
51	All	14	2 Weeks	40-50	User	Male	565.2	186.4	378.8
52	All	17	2 Weeks	40-50	User	Male	322.3	176.7	145.5
53	All	22	2 Weeks	40-50	User	Male	384.5	276.0	108.6
54	All	35	2 Weeks	40-50	User	Male	1025.5	486.6	539.0
55	All	74	2 Weeks	40-50	User	Male	242.6	165.3	77.3
56	All	105	2 Weeks	40-50	User	Male	1251.1	318.3	932.8
57	All	43	2 Weeks	60-70	Nonuser	Female	420.7	280.7	140.0
58	All	46	2 Weeks	60-70	Nonuser	Female	292.4	172.9	119.4
59	All	82	2 Weeks	60-70	Nonuser	Female	709.4	256.5	452.9
60	All	83	2 Weeks	60-70	Nonuser	Female	201.0	134.1	66.9
61	All	91	2 Weeks	60-70	Nonuser	Female	468.5	309.4	159.1
62	All	95	2 Weeks	60-70	Nonuser	Female	287.2	147.9	139.3
63	All	106	2 Weeks	60-70	Nonuser	Female	655.7	249.8	405.9
64	All	103	2 Weeks	60-70	Nonuser	Male	532.5	268.0	264.4
65	All	107	2 Weeks	60-70	Nonuser	Male	699.0	329.3	369.7
66	All	108	2 Weeks	60-70	Nonuser	Male	393.1	210.6	182.4
67	All	110	2 Weeks	60-70	Nonuser	Male	997.4	367.7	629.6

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
68	All	113	2 Weeks	60-70	Nonuser	Male	835.9	335.9	500.0
69	All	115	2 Weeks	60-70	Nonuser	Male	445.7	306.4	139.3
70	All	116	2 Weeks	60-70	Nonuser	Male	351.6	208.6	143.0
71	All	13	2 Weeks	60-70	User	Female	905.8	346.5	559.3
72	All	48	2 Weeks	60-70	User	Female	479.6	267.0	212.6
73	All	57	2 Weeks	60-70	User	Female	275.4	164.5	110.9
74	All	65	2 Weeks	60-70	User	Female	685.5	282.8	402.7
75	All	67	2 Weeks	60-70	User	Female	462.2	209.7	252.5
76	All	69	2 Weeks	60-70	User	Female	334.2	231.9	102.4
77	All	72	2 Weeks	60-70	User	Female	593.7	146.0	447.6
78	All	7	2 Weeks	60-70	User	Male	1572.1	459.8	1112.3
79	All	11	2 Weeks	60-70	User	Male	1405.0	604.5	800.5
80	All	18	2 Weeks	60-70	User	Male	666.7	300.5	366.2
81	All	19	2 Weeks	60-70	User	Male	751.9	443.0	308.9
82	All	20	2 Weeks	60-70	User	Male	638.2	255.0	383.1
83	All	32	2 Weeks	60-70	User	Male	382.7	217.1	165.6
84	All	47	2 Weeks	60-70	User	Male	605.7	268.8	336.9
85	All	56	5 Weeks	20-30	User	Female	1890.2	631.5	1258.7
86	All	73	5 Weeks	20-30	User	Female	2014.7	743.3	1271.4
87	All	79	5 Weeks	20-30	User	Female	984.6	698.8	285.8
88	All	87	5 Weeks	20-30	User	Female	1621.5	654.6	966.9
89	All	55	5 Weeks	20-30	User	Male	1050.9	720.1	330.8
90	All	68	5 Weeks	20-30	User	Male	3351.3	692.8	2658.5
91	All	76	5 Weeks	20-30	User	Male	2113.2	721.0	1392.2
92	All	89	5 Weeks	20-30	User	Male	2711.4	736.8	1974.6
93	All	88	5 Weeks	40-50	User	Female	2045.8	657.9	1387.9
94	All	96	5 Weeks	40-50	User	Female	2009.0	602.9	1406.1
95	All	99	5 Weeks	40-50	User	Female	3265.7	904.3	2361.4
96	All	104	5 Weeks	40-50	User	Female	1799.6	865.3	934.3
97	All	78	5 Weeks	40-50	User	Male	1741.1	423.1	1318.0
98	All	81	5 Weeks	40-50	User	Male	1410.2	896.7	513.5
99	All	92	5 Weeks	40-50	User	Male	1109.7	379.8	729.8
100	All	100	5 Weeks	40-50	User	Male	2178.2	1049.7	1128.4
101	All	70	5 Weeks	60-70	User	Female	987.4	533.1	454.4
102	All	77	5 Weeks	60-70	User	Female	1233.0	768.7	464.3
103	All	90	5 Weeks	60-70	User	Female	1306.0	552.4	753.5
104	All	97	5 Weeks	60-70	User	Female	927.2	546.9	380.2
105	All	40	5 Weeks	60-70	User	Male	2641.2	589.0	2052.2
106	All	62	5 Weeks	60-70	User	Male	972.7	652.4	320.2
107	All	66	5 Weeks	60-70	User	Male	1522.9	787.7	735.1
108	All	85	5 Weeks	60-70	User	Male	1612.5	672.1	940.4
1	CCC	27	2 Weeks	20-30	Nonuser	Female	0.3	0.0	0.3
2	CCC	31	2 Weeks	20-30	Nonuser	Female	4.6	0.8	3.8
3	CCC	38	2 Weeks	20-30	Nonuser	Female	6.9	6.9	0.0

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
4	CCC	39	2 Weeks	20-30	Nonuser	Female	51.6	33.9	17.8
5	CCC	44	2 Weeks	20-30	Nonuser	Female	1.1	0.7	0.3
6	CCC	45	2 Weeks	20-30	Nonuser	Female	2.6	0.0	2.6
7	CCC	49	2 Weeks	20-30	Nonuser	Female	57.5	0.0	57.5
8	CCC	4	2 Weeks	20-30	Nonuser	Male	180.4	0.0	180.4
9	CCC	41	2 Weeks	20-30	Nonuser	Male	0.0	0.0	0.0
10	CCC	63	2 Weeks	20-30	Nonuser	Male	32.0	0.0	32.0
11	CCC	93	2 Weeks	20-30	Nonuser	Male	62.2	26.7	35.6
12	CCC	98	2 Weeks	20-30	Nonuser	Male	636.2	0.6	635.6
13	CCC	109	2 Weeks	20-30	Nonuser	Male	276.5	0.1	276.5
14	CCC	114	2 Weeks	20-30	Nonuser	Male	36.6	0.0	36.6
15	CCC	10	2 Weeks	20-30	User	Female	117.2	3.3	113.9
16	CCC	15	2 Weeks	20-30	User	Female	9.2	0.0	9.2
17	CCC	30	2 Weeks	20-30	User	Female	124.7	0.5	124.1
18	CCC	42	2 Weeks	20-30	User	Female	13.9	2.0	11.9
19	CCC	50	2 Weeks	20-30	User	Female	13.1	0.9	12.3
20	CCC	51	2 Weeks	20-30	User	Female	0.0	0.0	0.0
21	CCC	52	2 Weeks	20-30	User	Female	71.4	1.4	70.0
22	CCC	33	2 Weeks	20-30	User	Male	82.3	26.8	55.5
23	CCC	37	2 Weeks	20-30	User	Male	42.8	24.2	18.6
24	CCC	54	2 Weeks	20-30	User	Male	29.9	0.0	29.9
25	CCC	59	2 Weeks	20-30	User	Male	13.5	5.9	7.6
26	CCC	60	2 Weeks	20-30	User	Male	41.2	0.9	40.3
27	CCC	61	2 Weeks	20-30	User	Male	8.1	2.9	5.2
28	CCC	64	2 Weeks	20-30	User	Male	8.4	0.0	8.4
29	CCC	1	2 Weeks	40-50	Nonuser	Female	0.0	0.0	0.0
30	CCC	23	2 Weeks	40-50	Nonuser	Female	41.5	0.0	41.5
31	CCC	25	2 Weeks	40-50	Nonuser	Female	2.0	0.1	1.9
32	CCC	26	2 Weeks	40-50	Nonuser	Female	75.2	3.2	72.0
33	CCC	29	2 Weeks	40-50	Nonuser	Female	18.9	0.7	18.1
34	CCC	80	2 Weeks	40-50	Nonuser	Female	248.0	0.1	247.9
35	CCC	84	2 Weeks	40-50	Nonuser	Female	159.1	14.4	144.7
36	CCC	34	2 Weeks	40-50	Nonuser	Male	407.8	4.2	403.6
37	CCC	75	2 Weeks	40-50	Nonuser	Male	137.6	92.9	44.7
38	CCC	94	2 Weeks	40-50	Nonuser	Male	126.8	0.0	126.8
39	CCC	102	2 Weeks	40-50	Nonuser	Male	0.1	0.0	0.1
40	CCC	111	2 Weeks	40-50	Nonuser	Male	90.6	0.0	90.6
41	CCC	112	2 Weeks	40-50	Nonuser	Male	51.1	0.4	50.7
42	CCC	117	2 Weeks	40-50	Nonuser	Male	26.4	0.8	25.6
43	CCC	5	2 Weeks	40-50	User	Female	39.0	0.0	39.0
44	CCC	6	2 Weeks	40-50	User	Female	24.4	0.4	23.9
45	CCC	8	2 Weeks	40-50	User	Female	163.5	13.7	149.8
46	CCC	9	2 Weeks	40-50	User	Female	134.5	17.9	116.6
47	CCC	12	2 Weeks	40-50	User	Female	73.7	10.6	63.0

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
48	CCC	21	2 Weeks	40-50	User	Female	83.4	14.7	68.7
49	CCC	24	2 Weeks	40-50	User	Female	72.2	2.4	69.8
50	CCC	3	2 Weeks	40-50	User	Male	46.4	14.8	31.6
51	CCC	14	2 Weeks	40-50	User	Male	136.9	11.0	125.8
52	CCC	17	2 Weeks	40-50	User	Male	72.7	13.7	59.0
53	CCC	22	2 Weeks	40-50	User	Male	40.8	4.6	36.2
54	CCC	35	2 Weeks	40-50	User	Male	249.8	2.1	247.7
55	CCC	74	2 Weeks	40-50	User	Male	51.1	33.4	17.7
56	CCC	105	2 Weeks	40-50	User	Male	113.0	0.1	113.0
57	CCC	43	2 Weeks	60-70	Nonuser	Female	59.0	38.2	20.8
58	CCC	46	2 Weeks	60-70	Nonuser	Female	38.6	7.4	31.2
59	CCC	82	2 Weeks	60-70	Nonuser	Female	0.8	0.1	0.8
60	CCC	83	2 Weeks	60-70	Nonuser	Female	12.1	11.3	0.8
61	CCC	91	2 Weeks	60-70	Nonuser	Female	124.6	85.3	39.3
62	CCC	95	2 Weeks	60-70	Nonuser	Female	21.0	1.0	20.0
63	CCC	106	2 Weeks	60-70	Nonuser	Female	22.4	0.3	22.1
64	CCC	103	2 Weeks	60-70	Nonuser	Male	87.5	31.6	55.9
65	CCC	107	2 Weeks	60-70	Nonuser	Male	70.8	2.4	68.3
66	CCC	108	2 Weeks	60-70	Nonuser	Male	7.8	0.8	6.9
67	CCC	110	2 Weeks	60-70	Nonuser	Male	189.6	16.6	173.0
68	CCC	113	2 Weeks	60-70	Nonuser	Male	197.6	21.4	176.3
69	CCC	115	2 Weeks	60-70	Nonuser	Male	12.9	2.4	10.5
70	CCC	116	2 Weeks	60-70	Nonuser	Male	3.6	0.0	3.6
71	CCC	13	2 Weeks	60-70	User	Female	236.5	25.5	211.0
72	CCC	48	2 Weeks	60-70	User	Female	18.7	6.0	12.7
73	CCC	57	2 Weeks	60-70	User	Female	38.4	6.6	31.8
74	CCC	65	2 Weeks	60-70	User	Female	70.3	0.0	70.3
75	CCC	67	2 Weeks	60-70	User	Female	67.0	12.8	54.3
76	CCC	69	2 Weeks	60-70	User	Female	35.3	28.6	6.8
77	CCC	72	2 Weeks	60-70	User	Female	11.4	1.0	10.4
78	CCC	7	2 Weeks	60-70	User	Male	50.2	0.0	50.2
79	CCC	11	2 Weeks	60-70	User	Male	590.2	227.8	362.3
80	CCC	18	2 Weeks	60-70	User	Male	73.2	38.1	35.1
81	CCC	19	2 Weeks	60-70	User	Male	175.3	39.1	136.2
82	CCC	20	2 Weeks	60-70	User	Male	40.4	23.0	17.4
83	CCC	32	2 Weeks	60-70	User	Male	24.1	0.0	24.1
84	CCC	47	2 Weeks	60-70	User	Male	116.0	8.4	107.6
85	CCC	56	5 Weeks	20-30	User	Female	88.9	10.5	78.4
86	CCC	73	5 Weeks	20-30	User	Female	85.3	0.1	85.2
87	CCC	79	5 Weeks	20-30	User	Female	83.5	10.3	73.2
88	CCC	87	5 Weeks	20-30	User	Female	66.9	1.6	65.3
89	CCC	55	5 Weeks	20-30	User	Male	84.2	0.3	83.9
90	CCC	68	5 Weeks	20-30	User	Male	143.0	0.0	143.0
91	CCC	76	5 Weeks	20-30	User	Male	208.8	11.0	197.8

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
92	CCC	89	5 Weeks	20-30	User	Male	106.3	0.2	106.1
93	CCC	88	5 Weeks	40-50	User	Female	169.1	21.8	147.3
94	CCC	96	5 Weeks	40-50	User	Female	55.9	0.0	55.9
95	CCC	99	5 Weeks	40-50	User	Female	187.4	0.7	186.7
96	CCC	104	5 Weeks	40-50	User	Female	381.2	0.0	381.2
97	CCC	78	5 Weeks	40-50	User	Male	193.0	0.0	193.0
98	CCC	81	5 Weeks	40-50	User	Male	63.4	10.3	53.1
99	CCC	92	5 Weeks	40-50	User	Male	139.3	15.0	124.3
100	CCC	100	5 Weeks	40-50	User	Male	157.8	1.8	156.0
101	CCC	70	5 Weeks	60-70	User	Female	104.5	15.8	88.6
102	CCC	77	5 Weeks	60-70	User	Female	78.6	22.1	56.5
103	CCC	90	5 Weeks	60-70	User	Female	234.7	24.6	210.1
104	CCC	97	5 Weeks	60-70	User	Female	71.1	16.0	55.2
105	CCC	40	5 Weeks	60-70	User	Male	24.8	0.1	24.7
106	CCC	62	5 Weeks	60-70	User	Male	74.9	8.3	66.6
107	CCC	66	5 Weeks	60-70	User	Male	71.7	12.4	59.3
108	CCC	85	5 Weeks	60-70	User	Male	25.5	0.0	25.5
1	Man1	27	2 Weeks	20-30	Nonuser	Female	70.4	56.7	13.7
2	Man1	31	2 Weeks	20-30	Nonuser	Female	123.8	53.9	69.9
3	Man1	38	2 Weeks	20-30	Nonuser	Female	14.6	14.6	0.0
4	Man1	39	2 Weeks	20-30	Nonuser	Female	147.7	122.0	25.7
5	Man1	44	2 Weeks	20-30	Nonuser	Female	357.2	287.3	69.9
6	Man1	45	2 Weeks	20-30	Nonuser	Female	87.5	41.9	45.6
7	Man1	49	2 Weeks	20-30	Nonuser	Female	408.7	95.2	313.5
8	Man1	4	2 Weeks	20-30	Nonuser	Male	352.5	127.5	225.0
9	Man1	41	2 Weeks	20-30	Nonuser	Male	122.0	68.4	53.5
10	Man1	63	2 Weeks	20-30	Nonuser	Male	296.1	214.0	82.1
11	Man1	93	2 Weeks	20-30	Nonuser	Male	192.1	122.3	69.8
12	Man1	98	2 Weeks	20-30	Nonuser	Male	761.2	377.1	384.1
13	Man1	109	2 Weeks	20-30	Nonuser	Male	337.7	159.2	178.5
14	Man1	114	2 Weeks	20-30	Nonuser	Male	267.1	111.1	156.0
15	Man1	10	2 Weeks	20-30	User	Female	170.3	89.3	81.0
16	Man1	15	2 Weeks	20-30	User	Female	151.0	91.1	59.9
17	Man1	30	2 Weeks	20-30	User	Female	183.1	110.7	72.4
18	Man1	42	2 Weeks	20-30	User	Female	108.5	46.2	62.3
19	Man1	50	2 Weeks	20-30	User	Female	201.7	154.5	47.3
20	Man1	51	2 Weeks	20-30	User	Female	2.5	2.5	0.0
21	Man1	52	2 Weeks	20-30	User	Female	232.9	134.5	98.4
22	Man1	33	2 Weeks	20-30	User	Male	222.0	183.1	38.9
23	Man1	37	2 Weeks	20-30	User	Male	206.4	202.8	3.6
24	Man1	54	2 Weeks	20-30	User	Male	274.3	176.6	97.8
25	Man1	59	2 Weeks	20-30	User	Male	177.3	100.6	76.7
26	Man1	60	2 Weeks	20-30	User	Male	82.2	61.7	20.5
27	Man1	61	2 Weeks	20-30	User	Male	373.6	285.0	88.5

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
28	Man1	64	2 Weeks	20-30	User	Male	238.9	135.3	103.6
29	Man1	1	2 Weeks	40-50	Nonuser	Female	205.7	152.8	52.9
30	Man1	23	2 Weeks	40-50	Nonuser	Female	133.7	45.4	88.3
31	Man1	25	2 Weeks	40-50	Nonuser	Female	163.2	96.3	67.0
32	Man1	26	2 Weeks	40-50	Nonuser	Female	171.9	148.0	23.9
33	Man1	29	2 Weeks	40-50	Nonuser	Female	209.3	141.8	67.4
34	Man1	80	2 Weeks	40-50	Nonuser	Female	253.5	74.9	178.6
35	Man1	84	2 Weeks	40-50	Nonuser	Female	248.5	149.1	99.4
36	Man1	34	2 Weeks	40-50	Nonuser	Male	323.6	130.2	193.4
37	Man1	75	2 Weeks	40-50	Nonuser	Male	262.9	226.7	36.2
38	Man1	94	2 Weeks	40-50	Nonuser	Male	147.4	66.8	80.6
39	Man1	102	2 Weeks	40-50	Nonuser	Male	312.1	249.5	62.6
40	Man1	111	2 Weeks	40-50	Nonuser	Male	504.1	191.4	312.7
41	Man1	112	2 Weeks	40-50	Nonuser	Male	428.8	243.1	185.7
42	Man1	117	2 Weeks	40-50	Nonuser	Male	170.1	130.5	39.6
43	Man1	5	2 Weeks	40-50	User	Female	215.6	104.5	111.0
44	Man1	6	2 Weeks	40-50	User	Female	182.5	134.1	48.4
45	Man1	8	2 Weeks	40-50	User	Female	528.6	173.5	355.1
46	Man1	9	2 Weeks	40-50	User	Female	332.6	192.8	139.8
47	Man1	12	2 Weeks	40-50	User	Female	237.0	167.0	70.0
48	Man1	21	2 Weeks	40-50	User	Female	97.1	68.1	29.0
49	Man1	24	2 Weeks	40-50	User	Female	49.8	46.1	3.7
50	Man1	3	2 Weeks	40-50	User	Male	137.1	107.5	29.5
51	Man1	14	2 Weeks	40-50	User	Male	85.1	48.9	36.2
52	Man1	17	2 Weeks	40-50	User	Male	94.8	77.0	17.9
53	Man1	22	2 Weeks	40-50	User	Male	145.6	125.8	19.8
54	Man1	35	2 Weeks	40-50	User	Male	402.3	206.8	195.4
55	Man1	74	2 Weeks	40-50	User	Male	65.2	55.3	9.9
56	Man1	105	2 Weeks	40-50	User	Male	270.5	130.4	140.2
57	Man1	43	2 Weeks	60-70	Nonuser	Female	62.9	47.3	15.6
58	Man1	46	2 Weeks	60-70	Nonuser	Female	72.6	56.7	15.9
59	Man1	82	2 Weeks	60-70	Nonuser	Female	71.7	28.8	42.9
60	Man1	83	2 Weeks	60-70	Nonuser	Female	86.7	66.7	20.0
61	Man1	91	2 Weeks	60-70	Nonuser	Female	73.2	67.0	6.2
62	Man1	95	2 Weeks	60-70	Nonuser	Female	83.6	68.3	15.3
63	Man1	106	2 Weeks	60-70	Nonuser	Female	137.8	97.1	40.7
64	Man1	103	2 Weeks	60-70	Nonuser	Male	169.2	100.3	68.8
65	Man1	107	2 Weeks	60-70	Nonuser	Male	315.5	196.4	119.1
66	Man1	108	2 Weeks	60-70	Nonuser	Male	99.9	97.3	2.6
67	Man1	110	2 Weeks	60-70	Nonuser	Male	323.5	176.1	147.4
68	Man1	113	2 Weeks	60-70	Nonuser	Male	340.0	132.3	207.7
69	Man1	115	2 Weeks	60-70	Nonuser	Male	180.9	163.0	17.9
70	Man1	116	2 Weeks	60-70	Nonuser	Male	115.8	75.8	40.0
71	Man1	13	2 Weeks	60-70	User	Female	158.1	137.6	20.4

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
72	Man1	48	2 Weeks	60-70	User	Female	166.9	147.0	19.9
73	Man1	57	2 Weeks	60-70	User	Female	66.6	53.0	13.5
74	Man1	65	2 Weeks	60-70	User	Female	478.1	180.1	298.0
75	Man1	67	2 Weeks	60-70	User	Female	83.2	41.7	41.6
76	Man1	69	2 Weeks	60-70	User	Female	94.3	80.7	13.6
77	Man1	72	2 Weeks	60-70	User	Female	64.7	51.1	13.6
78	Man1	7	2 Weeks	60-70	User	Male	441.6	169.9	271.7
79	Man1	11	2 Weeks	60-70	User	Male	146.2	133.4	12.8
80	Man1	18	2 Weeks	60-70	User	Male	104.3	100.2	4.2
81	Man1	19	2 Weeks	60-70	User	Male	190.2	156.5	33.6
82	Man1	20	2 Weeks	60-70	User	Male	84.2	79.5	4.6
83	Man1	32	2 Weeks	60-70	User	Male	159.7	97.6	62.1
84	Man1	47	2 Weeks	60-70	User	Male	176.3	123.9	52.4
85	Man1	56	5 Weeks	20-30	User	Female	222.6	132.1	90.5
86	Man1	73	5 Weeks	20-30	User	Female	272.4	112.6	159.9
87	Man1	79	5 Weeks	20-30	User	Female	179.7	139.8	40.0
88	Man1	87	5 Weeks	20-30	User	Female	232.3	128.3	104.0
89	Man1	55	5 Weeks	20-30	User	Male	236.0	184.4	51.5
90	Man1	68	5 Weeks	20-30	User	Male	352.2	162.2	189.9
91	Man1	76	5 Weeks	20-30	User	Male	288.2	157.4	130.7
92	Man1	89	5 Weeks	20-30	User	Male	138.1	86.6	51.5
93	Man1	88	5 Weeks	40-50	User	Female	391.8	185.9	205.9
94	Man1	96	5 Weeks	40-50	User	Female	167.5	82.1	85.3
95	Man1	99	5 Weeks	40-50	User	Female	172.6	100.4	72.2
96	Man1	104	5 Weeks	40-50	User	Female	425.1	119.2	305.9
97	Man1	78	5 Weeks	40-50	User	Male	113.6	90.4	23.1
98	Man1	81	5 Weeks	40-50	User	Male	192.2	165.3	26.9
99	Man1	92	5 Weeks	40-50	User	Male	66.4	41.0	25.4
100	Man1	100	5 Weeks	40-50	User	Male	371.5	249.8	121.7
101	Man1	70	5 Weeks	60-70	User	Female	126.8	94.3	32.5
102	Man1	77	5 Weeks	60-70	User	Female	158.6	116.2	42.4
103	Man1	90	5 Weeks	60-70	User	Female	207.7	122.6	85.0
104	Man1	97	5 Weeks	60-70	User	Female	147.9	116.4	31.5
105	Man1	40	5 Weeks	60-70	User	Male	71.2	68.0	3.2
106	Man1	62	5 Weeks	60-70	User	Male	79.1	66.1	13.0
107	Man1	66	5 Weeks	60-70	User	Male	175.3	128.8	46.6
108	Man1	85	5 Weeks	60-70	User	Male	349.8	119.1	230.7
1	Man2	27	2 Weeks	20-30	Nonuser	Female	145.8	114.6	31.2
2	Man2	31	2 Weeks	20-30	Nonuser	Female	205.9	86.5	119.4
3	Man2	38	2 Weeks	20-30	Nonuser	Female	104.9	90.6	14.3
4	Man2	39	2 Weeks	20-30	Nonuser	Female	103.4	100.2	3.2
5	Man2	44	2 Weeks	20-30	Nonuser	Female	348.1	329.8	18.3
6	Man2	45	2 Weeks	20-30	Nonuser	Female	290.2	155.2	135.0
7	Man2	49	2 Weeks	20-30	Nonuser	Female	551.6	99.1	452.6

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
8	Man2	4	2 Weeks	20-30	Nonuser	Male	694.2	162.5	531.7
9	Man2	41	2 Weeks	20-30	Nonuser	Male	75.3	42.0	33.3
10	Man2	63	2 Weeks	20-30	Nonuser	Male	318.3	264.7	53.6
11	Man2	93	2 Weeks	20-30	Nonuser	Male	141.9	111.6	30.3
12	Man2	98	2 Weeks	20-30	Nonuser	Male	467.8	284.2	183.5
13	Man2	109	2 Weeks	20-30	Nonuser	Male	170.6	141.9	28.6
14	Man2	114	2 Weeks	20-30	Nonuser	Male	170.7	137.1	33.6
15	Man2	10	2 Weeks	20-30	User	Female	192.3	97.2	95.1
16	Man2	15	2 Weeks	20-30	User	Female	123.2	71.2	52.0
17	Man2	30	2 Weeks	20-30	User	Female	182.3	121.1	61.2
18	Man2	42	2 Weeks	20-30	User	Female	124.2	54.9	69.2
19	Man2	50	2 Weeks	20-30	User	Female	442.9	338.8	104.1
20	Man2	51	2 Weeks	20-30	User	Female	246.9	195.9	51.1
21	Man2	52	2 Weeks	20-30	User	Female	371.9	144.6	227.3
22	Man2	33	2 Weeks	20-30	User	Male	329.9	247.3	82.6
23	Man2	37	2 Weeks	20-30	User	Male	173.3	164.5	8.9
24	Man2	54	2 Weeks	20-30	User	Male	348.5	241.5	107.0
25	Man2	59	2 Weeks	20-30	User	Male	244.2	145.0	99.1
26	Man2	60	2 Weeks	20-30	User	Male	85.6	71.7	13.9
27	Man2	61	2 Weeks	20-30	User	Male	582.0	315.7	266.3
28	Man2	64	2 Weeks	20-30	User	Male	161.9	129.2	32.7
29	Man2	1	2 Weeks	40-50	Nonuser	Female	208.6	161.9	46.7
30	Man2	23	2 Weeks	40-50	Nonuser	Female	30.6	18.9	11.8
31	Man2	25	2 Weeks	40-50	Nonuser	Female	112.2	70.8	41.4
32	Man2	26	2 Weeks	40-50	Nonuser	Female	164.0	112.0	52.0
33	Man2	29	2 Weeks	40-50	Nonuser	Female	105.4	69.9	35.5
34	Man2	80	2 Weeks	40-50	Nonuser	Female	150.4	138.9	11.4
35	Man2	84	2 Weeks	40-50	Nonuser	Female	135.2	111.4	23.8
36	Man2	34	2 Weeks	40-50	Nonuser	Male	290.2	186.6	103.6
37	Man2	75	2 Weeks	40-50	Nonuser	Male	339.8	247.4	92.4
38	Man2	94	2 Weeks	40-50	Nonuser	Male	620.0	403.3	216.7
39	Man2	102	2 Weeks	40-50	Nonuser	Male	1224.0	415.8	808.3
40	Man2	111	2 Weeks	40-50	Nonuser	Male	270.4	204.6	65.9
41	Man2	112	2 Weeks	40-50	Nonuser	Male	170.8	139.5	31.3
42	Man2	117	2 Weeks	40-50	Nonuser	Male	394.3	309.2	85.1
43	Man2	5	2 Weeks	40-50	User	Female	196.6	78.8	117.7
44	Man2	6	2 Weeks	40-50	User	Female	96.4	75.6	20.8
45	Man2	8	2 Weeks	40-50	User	Female	162.3	111.7	50.6
46	Man2	9	2 Weeks	40-50	User	Female	240.4	116.8	123.6
47	Man2	12	2 Weeks	40-50	User	Female	133.5	106.9	26.6
48	Man2	21	2 Weeks	40-50	User	Female	162.5	143.6	18.9
49	Man2	24	2 Weeks	40-50	User	Female	104.0	91.3	12.7
50	Man2	3	2 Weeks	40-50	User	Male	55.9	48.3	7.6
51	Man2	14	2 Weeks	40-50	User	Male	140.1	94.7	45.4

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
52	Man2	17	2 Weeks	40-50	User	Male	52.4	48.4	4.0
53	Man2	22	2 Weeks	40-50	User	Male	105.7	98.9	6.8
54	Man2	35	2 Weeks	40-50	User	Male	266.5	254.7	11.8
55	Man2	74	2 Weeks	40-50	User	Male	52.9	43.4	9.5
56	Man2	105	2 Weeks	40-50	User	Male	280.7	154.5	126.1
57	Man2	43	2 Weeks	60-70	Nonuser	Female	113.6	95.8	17.8
58	Man2	46	2 Weeks	60-70	Nonuser	Female	101.2	89.3	11.9
59	Man2	82	2 Weeks	60-70	Nonuser	Female	242.1	160.1	82.0
60	Man2	83	2 Weeks	60-70	Nonuser	Female	36.7	24.5	12.1
61	Man2	91	2 Weeks	60-70	Nonuser	Female	39.6	34.9	4.8
62	Man2	95	2 Weeks	60-70	Nonuser	Female	94.2	75.7	18.5
63	Man2	106	2 Weeks	60-70	Nonuser	Female	174.4	143.5	31.0
64	Man2	103	2 Weeks	60-70	Nonuser	Male	151.2	103.5	47.7
65	Man2	107	2 Weeks	60-70	Nonuser	Male	147.7	98.9	48.9
66	Man2	108	2 Weeks	60-70	Nonuser	Male	146.7	112.5	34.3
67	Man2	110	2 Weeks	60-70	Nonuser	Male	183.6	135.1	48.5
68	Man2	113	2 Weeks	60-70	Nonuser	Male	130.9	113.4	17.5
69	Man2	115	2 Weeks	60-70	Nonuser	Male	160.1	130.0	30.1
70	Man2	116	2 Weeks	60-70	Nonuser	Male	185.9	128.0	57.9
71	Man2	13	2 Weeks	60-70	User	Female	176.1	152.9	23.2
72	Man2	48	2 Weeks	60-70	User	Female	202.1	110.0	92.1
73	Man2	57	2 Weeks	60-70	User	Female	102.1	90.4	11.7
74	Man2	65	2 Weeks	60-70	User	Female	83.6	73.5	10.1
75	Man2	67	2 Weeks	60-70	User	Female	156.7	131.9	24.8
76	Man2	69	2 Weeks	60-70	User	Female	135.2	111.7	23.5
77	Man2	72	2 Weeks	60-70	User	Female	157.0	93.2	63.8
78	Man2	7	2 Weeks	60-70	User	Male	619.3	216.7	402.7
79	Man2	11	2 Weeks	60-70	User	Male	145.7	134.8	10.9
80	Man2	18	2 Weeks	60-70	User	Male	101.3	88.5	12.8
81	Man2	19	2 Weeks	60-70	User	Male	182.1	170.0	12.1
82	Man2	20	2 Weeks	60-70	User	Male	208.0	124.6	83.5
83	Man2	32	2 Weeks	60-70	User	Male	147.3	118.1	29.2
84	Man2	47	2 Weeks	60-70	User	Male	123.4	97.8	25.6
85	Man2	56	5 Weeks	20-30	User	Female	847.4	484.6	362.7
86	Man2	73	5 Weeks	20-30	User	Female	1075.1	571.5	503.6
87	Man2	79	5 Weeks	20-30	User	Female	610.9	524.4	86.4
88	Man2	87	5 Weeks	20-30	User	Female	777.9	503.2	274.6
89	Man2	55	5 Weeks	20-30	User	Male	452.3	431.4	20.8
90	Man2	68	5 Weeks	20-30	User	Male	2000.0	530.6	1469.4
91	Man2	76	5 Weeks	20-30	User	Male	689.6	504.1	185.6
92	Man2	89	5 Weeks	20-30	User	Male	1240.0	587.0	652.9
93	Man2	88	5 Weeks	40-50	User	Female	777.5	329.5	447.9
94	Man2	96	5 Weeks	40-50	User	Female	784.9	492.8	292.1
95	Man2	99	5 Weeks	40-50	User	Female	982.5	766.6	215.9

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
96	Man2	104	5 Weeks	40-50	User	Female	824.5	701.7	122.8
97	Man2	78	5 Weeks	40-50	User	Male	519.5	332.7	186.8
98	Man2	81	5 Weeks	40-50	User	Male	826.4	665.4	161.0
99	Man2	92	5 Weeks	40-50	User	Male	304.5	215.5	89.0
100	Man2	100	5 Weeks	40-50	User	Male	936.2	699.6	236.6
101	Man2	70	5 Weeks	60-70	User	Female	404.7	343.7	61.0
102	Man2	77	5 Weeks	60-70	User	Female	641.0	471.4	169.5
103	Man2	90	5 Weeks	60-70	User	Female	355.7	267.8	87.9
104	Man2	97	5 Weeks	60-70	User	Female	483.6	391.5	92.1
105	Man2	40	5 Weeks	60-70	User	Male	687.4	457.6	229.8
106	Man2	62	5 Weeks	60-70	User	Male	349.6	321.1	28.5
107	Man2	66	5 Weeks	60-70	User	Male	491.1	422.3	68.8
108	Man2	85	5 Weeks	60-70	User	Male	930.3	548.7	381.6
1	Manual	27	2 Weeks	20-30	Nonuser	Female	216.2	171.4	44.9
2	Manual	31	2 Weeks	20-30	Nonuser	Female	329.7	140.4	189.3
3	Manual	38	2 Weeks	20-30	Nonuser	Female	119.5	105.1	14.3
4	Manual	39	2 Weeks	20-30	Nonuser	Female	251.1	222.2	28.8
5	Manual	44	2 Weeks	20-30	Nonuser	Female	705.3	617.1	88.1
6	Manual	45	2 Weeks	20-30	Nonuser	Female	377.6	197.1	180.6
7	Manual	49	2 Weeks	20-30	Nonuser	Female	960.3	194.3	766.0
8	Manual	4	2 Weeks	20-30	Nonuser	Male	1046.7	290.0	756.6
9	Manual	41	2 Weeks	20-30	Nonuser	Male	197.2	110.4	86.8
10	Manual	63	2 Weeks	20-30	Nonuser	Male	614.5	478.7	135.8
11	Manual	93	2 Weeks	20-30	Nonuser	Male	334.0	233.9	100.1
12	Manual	98	2 Weeks	20-30	Nonuser	Male	1229.0	661.3	567.7
13	Manual	109	2 Weeks	20-30	Nonuser	Male	508.2	301.1	207.1
14	Manual	114	2 Weeks	20-30	Nonuser	Male	437.8	248.2	189.6
15	Manual	10	2 Weeks	20-30	User	Female	362.6	186.5	176.1
16	Manual	15	2 Weeks	20-30	User	Female	274.2	162.3	111.9
17	Manual	30	2 Weeks	20-30	User	Female	365.4	231.8	133.6
18	Manual	42	2 Weeks	20-30	User	Female	232.6	101.2	131.5
19	Manual	50	2 Weeks	20-30	User	Female	644.6	493.3	151.4
20	Manual	51	2 Weeks	20-30	User	Female	249.4	198.3	51.1
21	Manual	52	2 Weeks	20-30	User	Female	604.8	279.1	325.7
22	Manual	33	2 Weeks	20-30	User	Male	551.9	430.4	121.5
23	Manual	37	2 Weeks	20-30	User	Male	379.7	367.3	12.4
24	Manual	54	2 Weeks	20-30	User	Male	622.8	418.1	204.8
25	Manual	59	2 Weeks	20-30	User	Male	421.5	245.6	175.8
26	Manual	60	2 Weeks	20-30	User	Male	167.9	133.5	34.4
27	Manual	61	2 Weeks	20-30	User	Male	955.6	600.7	354.9
28	Manual	64	2 Weeks	20-30	User	Male	400.8	264.5	136.3
29	Manual	1	2 Weeks	40-50	Nonuser	Female	414.4	314.7	99.6
30	Manual	23	2 Weeks	40-50	Nonuser	Female	164.3	64.3	100.0
31	Manual	25	2 Weeks	40-50	Nonuser	Female	275.5	167.1	108.4

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
32	Manual	26	2 Weeks	40-50	Nonuser	Female	336.0	260.0	76.0
33	Manual	29	2 Weeks	40-50	Nonuser	Female	314.7	211.7	102.9
34	Manual	80	2 Weeks	40-50	Nonuser	Female	403.9	213.8	190.0
35	Manual	84	2 Weeks	40-50	Nonuser	Female	383.6	260.5	123.1
36	Manual	34	2 Weeks	40-50	Nonuser	Male	613.8	316.8	297.0
37	Manual	75	2 Weeks	40-50	Nonuser	Male	602.7	474.1	128.6
38	Manual	94	2 Weeks	40-50	Nonuser	Male	767.4	470.0	297.3
39	Manual	102	2 Weeks	40-50	Nonuser	Male	1536.1	665.3	870.9
40	Manual	111	2 Weeks	40-50	Nonuser	Male	774.6	395.9	378.6
41	Manual	112	2 Weeks	40-50	Nonuser	Male	599.6	382.6	217.0
42	Manual	117	2 Weeks	40-50	Nonuser	Male	564.4	439.8	124.6
43	Manual	5	2 Weeks	40-50	User	Female	412.1	183.4	228.8
44	Manual	6	2 Weeks	40-50	User	Female	278.9	209.7	69.2
45	Manual	8	2 Weeks	40-50	User	Female	690.9	285.2	405.7
46	Manual	9	2 Weeks	40-50	User	Female	573.0	309.6	263.4
47	Manual	12	2 Weeks	40-50	User	Female	370.6	273.9	96.6
48	Manual	21	2 Weeks	40-50	User	Female	259.5	211.7	47.9
49	Manual	24	2 Weeks	40-50	User	Female	153.8	137.4	16.5
50	Manual	3	2 Weeks	40-50	User	Male	192.9	155.8	37.2
51	Manual	14	2 Weeks	40-50	User	Male	225.2	143.6	81.6
52	Manual	17	2 Weeks	40-50	User	Male	147.3	125.4	21.8
53	Manual	22	2 Weeks	40-50	User	Male	251.3	224.8	26.6
54	Manual	35	2 Weeks	40-50	User	Male	668.8	461.5	207.3
55	Manual	74	2 Weeks	40-50	User	Male	118.1	98.7	19.4
56	Manual	105	2 Weeks	40-50	User	Male	551.2	284.9	266.3
57	Manual	43	2 Weeks	60-70	Nonuser	Female	176.5	143.1	33.4
58	Manual	46	2 Weeks	60-70	Nonuser	Female	173.8	146.0	27.8
59	Manual	82	2 Weeks	60-70	Nonuser	Female	313.8	188.9	124.9
60	Manual	83	2 Weeks	60-70	Nonuser	Female	123.4	91.3	32.1
61	Manual	91	2 Weeks	60-70	Nonuser	Female	112.9	101.9	11.0
62	Manual	95	2 Weeks	60-70	Nonuser	Female	177.8	144.0	33.7
63	Manual	106	2 Weeks	60-70	Nonuser	Female	312.3	240.6	71.7
64	Manual	103	2 Weeks	60-70	Nonuser	Male	320.4	203.8	116.5
65	Manual	107	2 Weeks	60-70	Nonuser	Male	463.3	295.3	167.9
66	Manual	108	2 Weeks	60-70	Nonuser	Male	246.7	209.8	36.9
67	Manual	110	2 Weeks	60-70	Nonuser	Male	507.1	311.2	195.9
68	Manual	113	2 Weeks	60-70	Nonuser	Male	470.9	245.7	225.3
69	Manual	115	2 Weeks	60-70	Nonuser	Male	341.0	293.0	48.0
70	Manual	116	2 Weeks	60-70	Nonuser	Male	301.8	203.8	97.9
71	Manual	13	2 Weeks	60-70	User	Female	334.1	290.5	43.6
72	Manual	48	2 Weeks	60-70	User	Female	369.0	257.0	112.0
73	Manual	57	2 Weeks	60-70	User	Female	168.7	143.4	25.3
74	Manual	65	2 Weeks	60-70	User	Female	561.7	253.6	308.1
75	Manual	67	2 Weeks	60-70	User	Female	240.0	173.6	66.4

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Time (minutes) for different velocity ranges		
							> 35mph	35–55mph	> 55mph
76	Manual	69	2 Weeks	60-70	User	Female	229.5	192.4	37.1
77	Manual	72	2 Weeks	60-70	User	Female	221.7	144.3	77.4
78	Manual	7	2 Weeks	60-70	User	Male	1060.9	386.5	674.4
79	Manual	11	2 Weeks	60-70	User	Male	291.8	268.1	23.7
80	Manual	18	2 Weeks	60-70	User	Male	205.6	188.6	17.0
81	Manual	19	2 Weeks	60-70	User	Male	372.2	326.6	45.7
82	Manual	20	2 Weeks	60-70	User	Male	292.2	204.1	88.1
83	Manual	32	2 Weeks	60-70	User	Male	307.0	215.6	91.4
84	Manual	47	2 Weeks	60-70	User	Male	299.6	221.7	78.0
85	Manual	56	5 Weeks	20-30	User	Female	1069.9	616.7	453.2
86	Manual	73	5 Weeks	20-30	User	Female	1347.5	684.1	663.4
87	Manual	79	5 Weeks	20-30	User	Female	790.6	664.2	126.4
88	Manual	87	5 Weeks	20-30	User	Female	1010.1	631.5	378.7
89	Manual	55	5 Weeks	20-30	User	Male	688.2	615.9	72.3
90	Manual	68	5 Weeks	20-30	User	Male	2352.1	692.8	1659.3
91	Manual	76	5 Weeks	20-30	User	Male	977.8	661.5	316.3
92	Manual	89	5 Weeks	20-30	User	Male	1378.1	673.6	704.4
93	Manual	88	5 Weeks	40-50	User	Female	1169.3	515.4	653.9
94	Manual	96	5 Weeks	40-50	User	Female	952.4	574.9	377.5
95	Manual	99	5 Weeks	40-50	User	Female	1155.1	867.0	288.1
96	Manual	104	5 Weeks	40-50	User	Female	1249.6	820.9	428.7
97	Manual	78	5 Weeks	40-50	User	Male	633.0	423.1	210.0
98	Manual	81	5 Weeks	40-50	User	Male	1018.6	830.7	187.9
99	Manual	92	5 Weeks	40-50	User	Male	370.9	256.5	114.4
100	Manual	100	5 Weeks	40-50	User	Male	1307.8	949.4	358.3
101	Manual	70	5 Weeks	60-70	User	Female	531.6	438.0	93.5
102	Manual	77	5 Weeks	60-70	User	Female	799.5	587.7	211.9
103	Manual	90	5 Weeks	60-70	User	Female	563.4	390.5	173.0
104	Manual	97	5 Weeks	60-70	User	Female	631.5	507.9	123.6
105	Manual	40	5 Weeks	60-70	User	Male	758.6	525.6	233.0
106	Manual	62	5 Weeks	60-70	User	Male	428.7	387.2	41.5
107	Manual	66	5 Weeks	60-70	User	Male	666.5	551.0	115.4
108	Manual	85	5 Weeks	60-70	User	Male	1280.1	667.8	612.2

Table C-4. Distance statistics summary table (2)

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
1	ACC	27	2 Weeks	20-30	Nonuser	Female	79.1	0.4	0.8	77.9
2	ACC	31	2 Weeks	20-30	Nonuser	Female	21.9	0.1	2.5	19.3
3	ACC	38	2 Weeks	20-30	Nonuser	Female	112.6	1.9	41.7	69.0
4	ACC	39	2 Weeks	20-30	Nonuser	Female	81.5	1.2	55.2	25.1
5	ACC	44	2 Weeks	20-30	Nonuser	Female	56.8	0.5	35.0	21.2

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
6	ACC	45	2 Weeks	20-30	Nonuser	Female	85.7	0.2	22.3	63.2
7	ACC	49	2 Weeks	20-30	Nonuser	Female	51.5	0.2	0.3	51.1
8	ACC	4	2 Weeks	20-30	Nonuser	Male	490.7	1.3	7.0	482.4
9	ACC	41	2 Weeks	20-30	Nonuser	Male	36.8	0.1	0.0	36.7
10	ACC	63	2 Weeks	20-30	Nonuser	Male	24.0	0.0	3.2	20.7
11	ACC	93	2 Weeks	20-30	Nonuser	Male	478.3	2.6	8.9	466.8
12	ACC	98	2 Weeks	20-30	Nonuser	Male	846.1	3.7	39.7	802.8
13	ACC	109	2 Weeks	20-30	Nonuser	Male	61.9	0.3	7.3	54.3
14	ACC	114	2 Weeks	20-30	Nonuser	Male	25.3	0.1	5.1	20.0
15	ACC	10	2 Weeks	20-30	User	Female	66.9	0.5	4.8	61.6
16	ACC	15	2 Weeks	20-30	User	Female	141.3	0.4	2.6	138.2
17	ACC	30	2 Weeks	20-30	User	Female	116.5	0.2	4.3	112.0
18	ACC	42	2 Weeks	20-30	User	Female	41.3	0.8	4.6	35.8
19	ACC	50	2 Weeks	20-30	User	Female	129.6	0.8	20.6	108.1
20	ACC	51	2 Weeks	20-30	User	Female	315.0	0.5	19.4	295.2
21	ACC	52	2 Weeks	20-30	User	Female	458.3	1.8	0.6	456.0
22	ACC	33	2 Weeks	20-30	User	Male	289.4	1.4	24.2	263.8
23	ACC	37	2 Weeks	20-30	User	Male	82.5	0.1	19.2	63.2
24	ACC	54	2 Weeks	20-30	User	Male	332.5	0.6	19.9	312.0
25	ACC	59	2 Weeks	20-30	User	Male	183.2	1.3	28.9	153.0
26	ACC	60	2 Weeks	20-30	User	Male	71.3	0.6	8.4	62.4
27	ACC	61	2 Weeks	20-30	User	Male	181.3	1.1	3.9	176.3
28	ACC	64	2 Weeks	20-30	User	Male	15.5	0.0	0.0	15.5
29	ACC	1	2 Weeks	40-50	Nonuser	Female	41.4	0.2	8.0	33.1
30	ACC	23	2 Weeks	40-50	Nonuser	Female	103.1	0.4	6.8	95.9
31	ACC	25	2 Weeks	40-50	Nonuser	Female	32.7	0.4	1.9	30.3
32	ACC	26	2 Weeks	40-50	Nonuser	Female	156.3	1.1	12.0	143.1
33	ACC	29	2 Weeks	40-50	Nonuser	Female	74.2	0.4	0.4	73.4
34	ACC	80	2 Weeks	40-50	Nonuser	Female	51.7	0.2	10.9	40.6
35	ACC	84	2 Weeks	40-50	Nonuser	Female	184.6	0.2	14.7	169.7
36	ACC	34	2 Weeks	40-50	Nonuser	Male	83.8	0.2	2.3	81.3
37	ACC	75	2 Weeks	40-50	Nonuser	Male	897.2	3.5	50.7	843.1
38	ACC	94	2 Weeks	40-50	Nonuser	Male	354.1	0.6	1.5	352.0
39	ACC	102	2 Weeks	40-50	Nonuser	Male	81.3	0.3	1.3	79.7
40	ACC	111	2 Weeks	40-50	Nonuser	Male	161.6	0.4	4.8	156.4
41	ACC	112	2 Weeks	40-50	Nonuser	Male	46.1	1.1	26.9	18.1
42	ACC	117	2 Weeks	40-50	Nonuser	Male	335.8	0.4	24.4	311.0
43	ACC	5	2 Weeks	40-50	User	Female	60.0	0.5	1.2	58.4
44	ACC	6	2 Weeks	40-50	User	Female	138.2	0.3	1.7	136.3
45	ACC	8	2 Weeks	40-50	User	Female	181.6	0.6	2.1	178.8
46	ACC	9	2 Weeks	40-50	User	Female	626.8	2.3	17.2	607.3
47	ACC	12	2 Weeks	40-50	User	Female	196.8	0.6	12.6	183.5
48	ACC	21	2 Weeks	40-50	User	Female	450.1	7.4	18.4	424.3
49	ACC	24	2 Weeks	40-50	User	Female	345.7	0.7	18.3	326.8

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
50	ACC	3	2 Weeks	40-50	User	Male	66.5	0.2	14.4	51.8
51	ACC	14	2 Weeks	40-50	User	Male	214.5	1.9	25.4	187.2
52	ACC	17	2 Weeks	40-50	User	Male	101.0	1.0	28.8	71.2
53	ACC	22	2 Weeks	40-50	User	Male	83.9	2.5	34.0	47.3
54	ACC	35	2 Weeks	40-50	User	Male	106.3	0.7	19.7	85.9
55	ACC	74	2 Weeks	40-50	User	Male	71.7	0.9	25.7	45.1
56	ACC	105	2 Weeks	40-50	User	Male	663.2	2.3	27.4	633.5
57	ACC	43	2 Weeks	60-70	Nonuser	Female	171.8	3.9	78.5	89.5
58	ACC	46	2 Weeks	60-70	Nonuser	Female	79.4	1.8	14.0	63.7
59	ACC	82	2 Weeks	60-70	Nonuser	Female	408.9	1.5	57.9	349.5
60	ACC	83	2 Weeks	60-70	Nonuser	Female	62.7	1.9	24.4	36.4
61	ACC	91	2 Weeks	60-70	Nonuser	Female	209.5	3.5	91.8	114.2
62	ACC	95	2 Weeks	60-70	Nonuser	Female	93.3	0.1	2.4	90.8
63	ACC	106	2 Weeks	60-70	Nonuser	Female	350.2	2.7	7.5	340.0
64	ACC	103	2 Weeks	60-70	Nonuser	Male	124.9	0.5	26.1	98.4
65	ACC	107	2 Weeks	60-70	Nonuser	Male	176.0	2.5	25.1	148.4
66	ACC	108	2 Weeks	60-70	Nonuser	Male	157.1	0.6	0.0	156.4
67	ACC	110	2 Weeks	60-70	Nonuser	Male	313.0	1.3	33.0	278.7
68	ACC	113	2 Weeks	60-70	Nonuser	Male	161.8	4.1	50.2	107.5
69	ACC	115	2 Weeks	60-70	Nonuser	Male	91.6	0.2	9.3	82.2
70	ACC	116	2 Weeks	60-70	Nonuser	Male	47.0	0.1	4.1	42.8
71	ACC	13	2 Weeks	60-70	User	Female	345.0	1.1	26.5	317.4
72	ACC	48	2 Weeks	60-70	User	Female	95.7	0.6	2.7	92.4
73	ACC	57	2 Weeks	60-70	User	Female	69.7	0.8	10.4	58.5
74	ACC	65	2 Weeks	60-70	User	Female	50.2	0.3	23.6	26.4
75	ACC	67	2 Weeks	60-70	User	Female	160.1	0.4	19.9	139.7
76	ACC	69	2 Weeks	60-70	User	Female	73.6	0.4	8.0	65.2
77	ACC	72	2 Weeks	60-70	User	Female	421.0	1.7	0.7	418.5
78	ACC	7	2 Weeks	60-70	User	Male	472.9	2.7	59.8	410.4
79	ACC	11	2 Weeks	60-70	User	Male	514.9	2.0	89.1	423.7
80	ACC	18	2 Weeks	60-70	User	Male	408.3	2.1	53.4	352.7
81	ACC	19	2 Weeks	60-70	User	Male	197.6	1.0	63.1	133.5
82	ACC	20	2 Weeks	60-70	User	Male	319.5	1.3	21.2	297.1
83	ACC	32	2 Weeks	60-70	User	Male	59.0	0.2	1.2	57.6
84	ACC	47	2 Weeks	60-70	User	Male	188.9	0.5	32.9	155.6
85	ACC	56	5 Weeks	20-30	User	Female	863.1	2.8	3.7	856.6
86	ACC	73	5 Weeks	20-30	User	Female	628.5	1.3	49.2	578.1
87	ACC	79	5 Weeks	20-30	User	Female	112.8	0.4	21.0	91.4
88	ACC	87	5 Weeks	20-30	User	Female	628.4	1.4	18.1	608.9
89	ACC	55	5 Weeks	20-30	User	Male	280.2	1.2	80.0	199.0
90	ACC	68	5 Weeks	20-30	User	Male	1036.6	1.2	0.0	1035.4
91	ACC	76	5 Weeks	20-30	User	Male	1026.8	3.9	40.4	982.6
92	ACC	89	5 Weeks	20-30	User	Male	1378.7	4.6	52.6	1321.5
93	ACC	88	5 Weeks	40-50	User	Female	729.6	3.4	100.3	625.9

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
94	ACC	96	5 Weeks	40-50	User	Female	1142.1	2.5	23.8	1115.8
95	ACC	99	5 Weeks	40-50	User	Female	2339.6	5.3	29.2	2305.1
96	ACC	104	5 Weeks	40-50	User	Female	167.9	1.9	35.3	130.7
97	ACC	78	5 Weeks	40-50	User	Male	1103.7	1.2	0.0	1102.6
98	ACC	81	5 Weeks	40-50	User	Male	375.0	1.5	40.2	333.3
99	ACC	92	5 Weeks	40-50	User	Male	652.7	1.6	90.2	560.8
100	ACC	100	5 Weeks	40-50	User	Male	811.9	3.3	77.7	730.9
101	ACC	70	5 Weeks	60-70	User	Female	363.9	2.5	62.0	299.4
102	ACC	77	5 Weeks	60-70	User	Female	348.9	3.9	117.4	227.6
103	ACC	90	5 Weeks	60-70	User	Female	519.5	3.3	116.1	400.1
104	ACC	97	5 Weeks	60-70	User	Female	251.4	0.6	18.1	232.7
105	ACC	40	5 Weeks	60-70	User	Male	2073.0	5.6	51.9	2015.6
106	ACC	62	5 Weeks	60-70	User	Male	427.1	7.0	184.0	236.1
107	ACC	66	5 Weeks	60-70	User	Male	804.2	7.9	176.5	619.8
108	ACC	85	5 Weeks	60-70	User	Male	356.6	0.8	3.5	352.3
1	All	27	2 Weeks	20-30	Nonuser	Female	338.3	90.2	121.5	126.6
2	All	31	2 Weeks	20-30	Nonuser	Female	441.6	112.4	102.1	227.1
3	All	38	2 Weeks	20-30	Nonuser	Female	317.0	114.1	119.7	83.2
4	All	39	2 Weeks	20-30	Nonuser	Female	394.4	73.8	246.5	74.2
5	All	44	2 Weeks	20-30	Nonuser	Female	806.6	203.0	484.8	118.7
6	All	45	2 Weeks	20-30	Nonuser	Female	639.6	228.4	162.2	248.9
7	All	49	2 Weeks	20-30	Nonuser	Female	1295.7	158.5	145.1	992.1
8	All	4	2 Weeks	20-30	Nonuser	Male	1926.9	134.6	224.8	1567.5
9	All	41	2 Weeks	20-30	Nonuser	Male	287.7	68.1	81.1	138.5
10	All	63	2 Weeks	20-30	Nonuser	Male	860.6	301.6	348.2	210.7
11	All	93	2 Weeks	20-30	Nonuser	Male	996.8	185.5	195.5	615.8
12	All	98	2 Weeks	20-30	Nonuser	Male	2829.4	204.7	551.2	2073.6
13	All	109	2 Weeks	20-30	Nonuser	Male	942.5	103.5	226.0	613.0
14	All	114	2 Weeks	20-30	Nonuser	Male	552.6	67.9	190.5	294.3
15	All	10	2 Weeks	20-30	User	Female	619.0	84.2	142.6	392.2
16	All	15	2 Weeks	20-30	User	Female	486.0	90.8	122.3	273.0
17	All	30	2 Weeks	20-30	User	Female	653.0	93.3	179.2	380.5
18	All	42	2 Weeks	20-30	User	Female	350.7	70.0	76.9	203.8
19	All	50	2 Weeks	20-30	User	Female	1012.2	362.3	363.8	286.1
20	All	51	2 Weeks	20-30	User	Female	604.8	94.0	161.6	349.2
21	All	52	2 Weeks	20-30	User	Female	1242.2	122.6	207.5	912.1
22	All	33	2 Weeks	20-30	User	Male	971.2	152.2	373.2	445.8
23	All	37	2 Weeks	20-30	User	Male	553.7	160.2	297.2	96.3
24	All	54	2 Weeks	20-30	User	Male	1153.6	253.8	321.6	578.2
25	All	59	2 Weeks	20-30	User	Male	704.6	130.6	214.2	359.8
26	All	60	2 Weeks	20-30	User	Male	313.6	62.1	102.4	149.1
27	All	61	2 Weeks	20-30	User	Male	1192.0	152.7	456.9	582.4
28	All	64	2 Weeks	20-30	User	Male	483.3	96.1	194.1	193.1
29	All	1	2 Weeks	40-50	Nonuser	Female	559.6	185.7	236.2	137.7

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
30	All	23	2 Weeks	40-50	Nonuser	Female	367.3	70.6	54.0	242.6
31	All	25	2 Weeks	40-50	Nonuser	Female	430.4	165.8	119.4	145.2
32	All	26	2 Weeks	40-50	Nonuser	Female	627.6	121.6	201.3	304.7
33	All	29	2 Weeks	40-50	Nonuser	Female	489.4	130.0	150.6	208.7
34	All	80	2 Weeks	40-50	Nonuser	Female	808.5	91.5	165.6	551.4
35	All	84	2 Weeks	40-50	Nonuser	Female	763.8	94.1	221.5	448.2
36	All	34	2 Weeks	40-50	Nonuser	Male	1302.9	210.2	231.5	861.2
37	All	75	2 Weeks	40-50	Nonuser	Male	1748.4	257.5	470.4	1020.5
38	All	94	2 Weeks	40-50	Nonuser	Male	1302.6	121.2	352.1	829.4
39	All	102	2 Weeks	40-50	Nonuser	Male	1691.3	213.1	490.4	987.8
40	All	111	2 Weeks	40-50	Nonuser	Male	1167.2	171.6	301.5	694.1
41	All	112	2 Weeks	40-50	Nonuser	Male	730.1	102.2	318.0	309.9
42	All	117	2 Weeks	40-50	Nonuser	Male	975.6	151.9	356.1	467.6
43	All	5	2 Weeks	40-50	User	Female	598.2	101.7	134.4	362.2
44	All	6	2 Weeks	40-50	User	Female	461.9	70.3	159.9	231.7
45	All	8	2 Weeks	40-50	User	Female	1112.4	99.2	236.6	776.7
46	All	9	2 Weeks	40-50	User	Female	1417.7	141.5	258.9	1017.4
47	All	12	2 Weeks	40-50	User	Female	706.6	136.4	220.7	349.5
48	All	21	2 Weeks	40-50	User	Female	897.5	176.3	174.8	546.4
49	All	24	2 Weeks	40-50	User	Female	642.5	111.1	115.6	415.7
50	All	3	2 Weeks	40-50	User	Male	318.2	47.1	146.6	124.5
51	All	14	2 Weeks	40-50	User	Male	658.9	110.4	137.0	411.5
52	All	17	2 Weeks	40-50	User	Male	349.1	62.0	130.4	156.7
53	All	22	2 Weeks	40-50	User	Male	436.4	131.8	194.2	110.5
54	All	35	2 Weeks	40-50	User	Male	1134.3	188.7	347.1	598.5
55	All	74	2 Weeks	40-50	User	Male	270.8	61.3	123.5	85.9
56	All	105	2 Weeks	40-50	User	Male	1434.8	136.5	237.3	1061.0
57	All	43	2 Weeks	60-70	Nonuser	Female	492.8	134.2	214.6	144.0
58	All	46	2 Weeks	60-70	Nonuser	Female	382.1	138.9	121.3	121.9
59	All	82	2 Weeks	60-70	Nonuser	Female	779.9	102.0	197.5	480.4
60	All	83	2 Weeks	60-70	Nonuser	Female	227.7	60.4	96.6	70.7
61	All	91	2 Weeks	60-70	Nonuser	Female	462.9	66.6	228.5	167.8
62	All	95	2 Weeks	60-70	Nonuser	Female	348.7	97.3	105.4	145.9
63	All	106	2 Weeks	60-70	Nonuser	Female	718.7	100.8	180.8	437.1
64	All	103	2 Weeks	60-70	Nonuser	Male	582.4	104.2	197.8	280.4
65	All	107	2 Weeks	60-70	Nonuser	Male	780.2	132.7	246.1	401.4
66	All	108	2 Weeks	60-70	Nonuser	Male	470.5	127.8	140.6	202.2
67	All	110	2 Weeks	60-70	Nonuser	Male	1090.9	137.0	279.1	674.8
68	All	113	2 Weeks	60-70	Nonuser	Male	957.5	170.3	240.5	546.6
69	All	115	2 Weeks	60-70	Nonuser	Male	533.8	167.1	222.3	144.4
70	All	116	2 Weeks	60-70	Nonuser	Male	458.1	162.3	148.5	147.4
71	All	13	2 Weeks	60-70	User	Female	953.7	112.7	261.0	580.0
72	All	48	2 Weeks	60-70	User	Female	503.7	88.9	192.4	222.4
73	All	57	2 Weeks	60-70	User	Female	308.0	74.1	117.0	116.9

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
74	All	65	2 Weeks	60-70	User	Female	756.3	84.7	212.1	459.5
75	All	67	2 Weeks	60-70	User	Female	579.3	161.0	150.3	267.9
76	All	69	2 Weeks	60-70	User	Female	372.0	94.2	165.8	112.0
77	All	72	2 Weeks	60-70	User	Female	695.1	74.4	108.2	512.5
78	All	7	2 Weeks	60-70	User	Male	1733.1	186.0	351.5	1195.6
79	All	11	2 Weeks	60-70	User	Male	1391.9	108.3	469.3	814.2
80	All	18	2 Weeks	60-70	User	Male	797.1	179.5	210.0	407.6
81	All	19	2 Weeks	60-70	User	Male	738.4	73.5	339.6	325.2
82	All	20	2 Weeks	60-70	User	Male	703.7	112.7	186.0	405.0
83	All	32	2 Weeks	60-70	User	Male	462.3	123.3	153.4	185.6
84	All	47	2 Weeks	60-70	User	Male	649.3	89.2	207.7	352.4
85	All	56	5 Weeks	20-30	User	Female	2156.8	265.5	479.1	1412.3
86	All	73	5 Weeks	20-30	User	Female	2273.3	283.1	556.7	1433.5
87	All	79	5 Weeks	20-30	User	Female	1090.4	255.7	530.9	303.8
88	All	87	5 Weeks	20-30	User	Female	1850.3	263.7	487.9	1098.8
89	All	55	5 Weeks	20-30	User	Male	1112.7	208.6	531.9	372.2
90	All	68	5 Weeks	20-30	User	Male	3975.4	369.6	498.8	3107.0
91	All	76	5 Weeks	20-30	User	Male	2379.3	317.8	533.5	1528.1
92	All	89	5 Weeks	20-30	User	Male	3197.3	436.5	550.3	2210.5
93	All	88	5 Weeks	40-50	User	Female	2313.5	291.9	501.1	1520.5
94	All	96	5 Weeks	40-50	User	Female	2424.2	393.0	447.6	1583.5
95	All	99	5 Weeks	40-50	User	Female	3847.5	346.6	671.6	2829.3
96	All	104	5 Weeks	40-50	User	Female	1933.3	290.4	631.7	1011.1
97	All	78	5 Weeks	40-50	User	Male	2165.8	306.7	296.8	1562.3
98	All	81	5 Weeks	40-50	User	Male	1588.8	348.3	643.2	597.3
99	All	92	5 Weeks	40-50	User	Male	1259.6	149.5	291.8	818.3
100	All	100	5 Weeks	40-50	User	Male	2518.7	438.0	763.6	1317.0
101	All	70	5 Weeks	60-70	User	Female	1083.0	201.9	388.0	493.2
102	All	77	5 Weeks	60-70	User	Female	1323.9	233.4	559.1	531.4
103	All	90	5 Weeks	60-70	User	Female	1523.4	265.2	425.9	832.4
104	All	97	5 Weeks	60-70	User	Female	1049.4	218.5	403.8	427.0
105	All	40	5 Weeks	60-70	User	Male	2977.0	252.2	434.7	2290.1
106	All	62	5 Weeks	60-70	User	Male	1037.8	232.0	454.7	351.1
107	All	66	5 Weeks	60-70	User	Male	1710.5	323.3	585.4	801.8
108	All	85	5 Weeks	60-70	User	Male	1947.5	391.7	489.5	1066.3
1	CCC	27	2 Weeks	20-30	Nonuser	Female	0.3	0.0	0.0	0.3
2	CCC	31	2 Weeks	20-30	Nonuser	Female	4.7	0.0	0.7	4.0
3	CCC	38	2 Weeks	20-30	Nonuser	Female	5.7	0.0	5.6	0.0
4	CCC	39	2 Weeks	20-30	Nonuser	Female	46.8	0.1	27.4	19.4
5	CCC	44	2 Weeks	20-30	Nonuser	Female	0.9	0.0	0.6	0.3
6	CCC	45	2 Weeks	20-30	Nonuser	Female	2.6	0.0	0.0	2.6
7	CCC	49	2 Weeks	20-30	Nonuser	Female	67.3	0.2	0.0	67.1
8	CCC	4	2 Weeks	20-30	Nonuser	Male	216.4	0.3	0.0	216.1
9	CCC	41	2 Weeks	20-30	Nonuser	Male	0.0	0.0	0.0	0.0

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
10	CCC	63	2 Weeks	20-30	Nonuser	Male	39.4	0.1	0.0	39.3
11	CCC	93	2 Weeks	20-30	Nonuser	Male	62.0	0.3	20.4	41.3
12	CCC	98	2 Weeks	20-30	Nonuser	Male	662.8	0.6	0.5	661.7
13	CCC	109	2 Weeks	20-30	Nonuser	Male	333.3	0.7	0.0	332.5
14	CCC	114	2 Weeks	20-30	Nonuser	Male	46.9	0.1	0.0	46.9
15	CCC	10	2 Weeks	20-30	User	Female	133.7	0.4	2.3	131.0
16	CCC	15	2 Weeks	20-30	User	Female	10.8	0.1	0.0	10.6
17	CCC	30	2 Weeks	20-30	User	Female	135.2	0.7	0.5	134.1
18	CCC	42	2 Weeks	20-30	User	Female	16.3	0.1	1.4	14.9
19	CCC	50	2 Weeks	20-30	User	Female	14.1	0.1	0.6	13.4
20	CCC	51	2 Weeks	20-30	User	Female	0.0	0.0	0.0	0.0
21	CCC	52	2 Weeks	20-30	User	Female	85.8	0.2	1.1	84.5
22	CCC	33	2 Weeks	20-30	User	Male	82.3	0.4	22.5	59.5
23	CCC	37	2 Weeks	20-30	User	Male	37.8	0.4	16.8	20.6
24	CCC	54	2 Weeks	20-30	User	Male	37.2	0.2	0.0	37.0
25	CCC	59	2 Weeks	20-30	User	Male	13.6	0.1	4.6	8.9
26	CCC	60	2 Weeks	20-30	User	Male	48.9	0.2	0.8	47.9
27	CCC	61	2 Weeks	20-30	User	Male	8.4	0.0	2.3	6.1
28	CCC	64	2 Weeks	20-30	User	Male	10.6	0.0	0.0	10.6
29	CCC	1	2 Weeks	40-50	Nonuser	Female	0.0	0.0	0.0	0.0
30	CCC	23	2 Weeks	40-50	Nonuser	Female	43.9	0.2	0.0	43.6
31	CCC	25	2 Weeks	40-50	Nonuser	Female	1.9	0.0	0.1	1.8
32	CCC	26	2 Weeks	40-50	Nonuser	Female	81.9	0.8	2.5	78.7
33	CCC	29	2 Weeks	40-50	Nonuser	Female	20.8	0.0	0.5	20.3
34	CCC	80	2 Weeks	40-50	Nonuser	Female	299.6	0.5	0.1	299.1
35	CCC	84	2 Weeks	40-50	Nonuser	Female	165.7	0.4	12.4	153.0
36	CCC	34	2 Weeks	40-50	Nonuser	Male	462.5	1.0	2.9	458.6
37	CCC	75	2 Weeks	40-50	Nonuser	Male	121.9	0.8	75.7	45.4
38	CCC	94	2 Weeks	40-50	Nonuser	Male	155.5	0.4	0.0	155.1
39	CCC	102	2 Weeks	40-50	Nonuser	Male	0.3	0.2	0.0	0.1
40	CCC	111	2 Weeks	40-50	Nonuser	Male	107.9	0.4	0.0	107.5
41	CCC	112	2 Weeks	40-50	Nonuser	Male	61.4	1.1	0.2	60.1
42	CCC	117	2 Weeks	40-50	Nonuser	Male	29.1	0.1	0.7	28.4
43	CCC	5	2 Weeks	40-50	User	Female	46.4	0.1	0.0	46.3
44	CCC	6	2 Weeks	40-50	User	Female	26.1	0.1	0.4	25.7
45	CCC	8	2 Weeks	40-50	User	Female	175.3	0.5	12.2	162.6
46	CCC	9	2 Weeks	40-50	User	Female	142.7	0.5	15.2	127.1
47	CCC	12	2 Weeks	40-50	User	Female	76.5	0.3	9.2	67.1
48	CCC	21	2 Weeks	40-50	User	Female	86.6	3.1	9.8	73.7
49	CCC	24	2 Weeks	40-50	User	Female	75.3	0.5	2.2	72.6
50	CCC	3	2 Weeks	40-50	User	Male	47.7	0.1	12.8	34.8
51	CCC	14	2 Weeks	40-50	User	Male	146.5	0.3	9.0	137.2
52	CCC	17	2 Weeks	40-50	User	Male	73.5	0.4	10.0	63.2
53	CCC	22	2 Weeks	40-50	User	Male	40.3	0.3	3.5	36.4

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
54	CCC	35	2 Weeks	40-50	User	Male	287.1	0.8	1.5	284.7
55	CCC	74	2 Weeks	40-50	User	Male	47.8	1.2	26.0	20.6
56	CCC	105	2 Weeks	40-50	User	Male	138.2	0.2	0.0	137.9
57	CCC	43	2 Weeks	60-70	Nonuser	Female	52.2	0.4	30.9	21.0
58	CCC	46	2 Weeks	60-70	Nonuser	Female	36.3	0.5	5.5	30.3
59	CCC	82	2 Weeks	60-70	Nonuser	Female	0.8	0.0	0.1	0.8
60	CCC	83	2 Weeks	60-70	Nonuser	Female	9.3	0.3	8.2	0.8
61	CCC	91	2 Weeks	60-70	Nonuser	Female	109.4	1.3	65.5	42.6
62	CCC	95	2 Weeks	60-70	Nonuser	Female	22.4	0.5	0.9	21.0
63	CCC	106	2 Weeks	60-70	Nonuser	Female	23.1	0.2	0.2	22.7
64	CCC	103	2 Weeks	60-70	Nonuser	Male	86.1	1.0	24.8	60.4
65	CCC	107	2 Weeks	60-70	Nonuser	Male	79.2	0.6	1.8	76.8
66	CCC	108	2 Weeks	60-70	Nonuser	Male	7.7	0.0	0.8	6.9
67	CCC	110	2 Weeks	60-70	Nonuser	Male	207.1	0.7	13.9	192.4
68	CCC	113	2 Weeks	60-70	Nonuser	Male	222.3	1.0	17.6	203.7
69	CCC	115	2 Weeks	60-70	Nonuser	Male	12.9	0.0	1.8	11.0
70	CCC	116	2 Weeks	60-70	Nonuser	Male	3.8	0.0	0.0	3.8
71	CCC	13	2 Weeks	60-70	User	Female	243.5	1.0	22.7	219.8
72	CCC	48	2 Weeks	60-70	User	Female	18.4	0.4	4.6	13.4
73	CCC	57	2 Weeks	60-70	User	Female	38.5	0.8	4.9	32.8
74	CCC	65	2 Weeks	60-70	User	Female	84.6	0.2	0.0	84.5
75	CCC	67	2 Weeks	60-70	User	Female	71.0	1.0	9.2	60.8
76	CCC	69	2 Weeks	60-70	User	Female	28.9	0.0	21.2	7.7
77	CCC	72	2 Weeks	60-70	User	Female	12.4	0.0	0.8	11.7
78	CCC	7	2 Weeks	60-70	User	Male	54.7	0.0	0.0	54.7
79	CCC	11	2 Weeks	60-70	User	Male	555.9	2.6	186.7	366.7
80	CCC	18	2 Weeks	60-70	User	Male	66.4	1.4	27.5	37.5
81	CCC	19	2 Weeks	60-70	User	Male	179.7	0.8	32.0	146.8
82	CCC	20	2 Weeks	60-70	User	Male	36.5	0.1	17.8	18.6
83	CCC	32	2 Weeks	60-70	User	Male	27.2	0.0	0.0	27.1
84	CCC	47	2 Weeks	60-70	User	Male	124.4	0.5	7.2	116.7
85	CCC	56	5 Weeks	20-30	User	Female	97.5	0.2	9.4	87.9
86	CCC	73	5 Weeks	20-30	User	Female	107.4	0.3	0.1	107.0
87	CCC	79	5 Weeks	20-30	User	Female	94.4	0.3	8.7	85.4
88	CCC	87	5 Weeks	20-30	User	Female	75.4	0.2	1.4	73.9
89	CCC	55	5 Weeks	20-30	User	Male	97.3	0.5	0.2	96.6
90	CCC	68	5 Weeks	20-30	User	Male	171.9	0.4	0.0	171.5
91	CCC	76	5 Weeks	20-30	User	Male	229.7	0.9	9.7	219.1
92	CCC	89	5 Weeks	20-30	User	Male	116.8	0.1	0.2	116.5
93	CCC	88	5 Weeks	40-50	User	Female	183.1	1.1	18.0	164.0
94	CCC	96	5 Weeks	40-50	User	Female	61.9	0.1	0.0	61.8
95	CCC	99	5 Weeks	40-50	User	Female	219.6	0.5	0.6	218.6
96	CCC	104	5 Weeks	40-50	User	Female	429.0	1.9	0.0	427.2
97	CCC	78	5 Weeks	40-50	User	Male	225.9	0.1	0.0	225.8

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
98	CCC	81	5 Weeks	40-50	User	Male	70.4	0.4	7.0	62.9
99	CCC	92	5 Weeks	40-50	User	Male	150.1	0.8	12.4	136.8
100	CCC	100	5 Weeks	40-50	User	Male	188.3	0.7	1.6	186.0
101	CCC	70	5 Weeks	60-70	User	Female	109.2	0.5	11.8	97.0
102	CCC	77	5 Weeks	60-70	User	Female	80.4	0.5	15.8	64.1
103	CCC	90	5 Weeks	60-70	User	Female	265.8	0.7	19.2	245.8
104	CCC	97	5 Weeks	60-70	User	Female	76.4	0.5	13.3	62.6
105	CCC	40	5 Weeks	60-70	User	Male	26.6	0.1	0.1	26.5
106	CCC	62	5 Weeks	60-70	User	Male	79.1	0.3	6.4	72.4
107	CCC	66	5 Weeks	60-70	User	Male	75.1	0.9	9.9	64.3
108	CCC	85	5 Weeks	60-70	User	Male	31.4	0.1	0.0	31.3
1	Man1	27	2 Weeks	20-30	Nonuser	Female	86.7	32.7	39.6	14.3
2	Man1	31	2 Weeks	20-30	Nonuser	Female	159.9	48.3	38.0	73.6
3	Man1	38	2 Weeks	20-30	Nonuser	Female	41.9	31.8	10.1	0.0
4	Man1	39	2 Weeks	20-30	Nonuser	Female	151.3	34.7	90.1	26.5
5	Man1	44	2 Weeks	20-30	Nonuser	Female	379.0	89.9	210.2	79.0
6	Man1	45	2 Weeks	20-30	Nonuser	Female	137.4	64.0	27.7	45.7
7	Man1	49	2 Weeks	20-30	Nonuser	Female	497.5	71.0	71.0	355.5
8	Man1	4	2 Weeks	20-30	Nonuser	Male	414.3	62.0	92.1	260.2
9	Man1	41	2 Weeks	20-30	Nonuser	Male	159.4	46.9	50.0	62.4
10	Man1	63	2 Weeks	20-30	Nonuser	Male	388.9	141.9	154.5	92.5
11	Man1	93	2 Weeks	20-30	Nonuser	Male	240.7	79.1	86.8	74.8
12	Man1	98	2 Weeks	20-30	Nonuser	Male	820.6	110.1	290.2	420.3
13	Man1	109	2 Weeks	20-30	Nonuser	Male	366.2	53.2	117.5	195.5
14	Man1	114	2 Weeks	20-30	Nonuser	Male	304.9	32.0	83.7	189.2
15	Man1	10	2 Weeks	20-30	User	Female	196.5	41.5	65.7	89.3
16	Man1	15	2 Weeks	20-30	User	Female	188.2	56.9	66.1	65.2
17	Man1	30	2 Weeks	20-30	User	Female	199.7	42.9	83.9	72.9
18	Man1	42	2 Weeks	20-30	User	Female	133.5	28.9	32.5	72.1
19	Man1	50	2 Weeks	20-30	User	Female	239.9	80.8	107.5	51.7
20	Man1	51	2 Weeks	20-30	User	Female	14.7	13.2	1.5	0.0
21	Man1	52	2 Weeks	20-30	User	Female	258.8	48.4	100.6	109.8
22	Man1	33	2 Weeks	20-30	User	Male	255.5	79.5	136.3	39.6
23	Man1	37	2 Weeks	20-30	User	Male	242.7	97.4	141.7	3.6
24	Man1	54	2 Weeks	20-30	User	Male	360.1	122.6	125.5	112.1
25	Man1	59	2 Weeks	20-30	User	Male	218.9	58.9	73.4	86.6
26	Man1	60	2 Weeks	20-30	User	Male	96.9	30.7	43.3	22.9
27	Man1	61	2 Weeks	20-30	User	Male	379.4	74.4	211.5	93.6
28	Man1	64	2 Weeks	20-30	User	Male	283.0	55.9	99.2	127.9
29	Man1	1	2 Weeks	40-50	Nonuser	Female	245.7	79.0	111.1	55.7
30	Man1	23	2 Weeks	40-50	Nonuser	Female	166.7	42.1	33.5	91.0
31	Man1	25	2 Weeks	40-50	Nonuser	Female	213.0	73.5	69.8	69.7
32	Man1	26	2 Weeks	40-50	Nonuser	Female	188.3	58.0	106.2	24.1
33	Man1	29	2 Weeks	40-50	Nonuser	Female	235.0	57.7	101.1	76.2

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
34	Man1	80	2 Weeks	40-50	Nonuser	Female	284.8	29.6	55.0	200.2
35	Man1	84	2 Weeks	40-50	Nonuser	Female	264.4	50.7	112.1	101.7
36	Man1	34	2 Weeks	40-50	Nonuser	Male	386.4	83.9	94.7	207.7
37	Man1	75	2 Weeks	40-50	Nonuser	Male	322.9	123.0	162.8	37.1
38	Man1	94	2 Weeks	40-50	Nonuser	Male	165.4	25.6	49.1	90.6
39	Man1	102	2 Weeks	40-50	Nonuser	Male	317.1	73.1	178.7	65.3
40	Man1	111	2 Weeks	40-50	Nonuser	Male	581.2	77.3	143.5	360.4
41	Man1	112	2 Weeks	40-50	Nonuser	Male	453.4	67.3	185.2	200.9
42	Man1	117	2 Weeks	40-50	Nonuser	Male	189.9	51.0	97.4	41.5
43	Man1	5	2 Weeks	40-50	User	Female	253.4	52.7	75.5	125.2
44	Man1	6	2 Weeks	40-50	User	Female	192.8	42.8	101.0	49.1
45	Man1	8	2 Weeks	40-50	User	Female	580.5	61.2	135.2	384.1
46	Man1	9	2 Weeks	40-50	User	Female	366.6	76.9	139.9	149.8
47	Man1	12	2 Weeks	40-50	User	Female	265.5	72.5	121.6	71.5
48	Man1	21	2 Weeks	40-50	User	Female	150.0	73.8	47.2	29.0
49	Man1	24	2 Weeks	40-50	User	Female	86.7	52.0	31.0	3.8
50	Man1	3	2 Weeks	40-50	User	Male	141.9	28.8	82.7	30.4
51	Man1	14	2 Weeks	40-50	User	Male	114.3	41.0	34.9	38.4
52	Man1	17	2 Weeks	40-50	User	Male	105.7	31.5	55.8	18.4
53	Man1	22	2 Weeks	40-50	User	Male	168.2	58.6	89.7	19.9
54	Man1	35	2 Weeks	40-50	User	Male	437.0	73.5	147.4	216.1
55	Man1	74	2 Weeks	40-50	User	Male	85.4	35.2	39.5	10.7
56	Man1	105	2 Weeks	40-50	User	Male	297.7	46.5	96.5	154.7
57	Man1	43	2 Weeks	60-70	Nonuser	Female	94.9	44.2	35.0	15.8
58	Man1	46	2 Weeks	60-70	Nonuser	Female	100.8	44.1	40.8	15.8
59	Man1	82	2 Weeks	60-70	Nonuser	Female	89.1	23.6	20.3	45.2
60	Man1	83	2 Weeks	60-70	Nonuser	Female	108.6	41.3	46.3	21.1
61	Man1	91	2 Weeks	60-70	Nonuser	Female	77.6	23.9	47.4	6.3
62	Man1	95	2 Weeks	60-70	Nonuser	Female	120.4	57.3	47.7	15.4
63	Man1	106	2 Weeks	60-70	Nonuser	Female	156.2	44.8	68.4	42.9
64	Man1	103	2 Weeks	60-70	Nonuser	Male	201.0	57.8	71.3	71.9
65	Man1	107	2 Weeks	60-70	Nonuser	Male	329.8	57.9	147.9	124.0
66	Man1	108	2 Weeks	60-70	Nonuser	Male	131.7	64.7	64.3	2.6
67	Man1	110	2 Weeks	60-70	Nonuser	Male	359.0	71.9	132.4	154.7
68	Man1	113	2 Weeks	60-70	Nonuser	Male	398.4	83.8	96.9	217.7
69	Man1	115	2 Weeks	60-70	Nonuser	Male	219.7	83.6	117.6	18.6
70	Man1	116	2 Weeks	60-70	Nonuser	Male	178.7	84.6	52.6	41.5
71	Man1	13	2 Weeks	60-70	User	Female	169.1	47.3	102.0	19.7
72	Man1	48	2 Weeks	60-70	User	Female	172.7	47.1	104.7	21.0
73	Man1	57	2 Weeks	60-70	User	Female	82.7	31.6	37.4	13.6
74	Man1	65	2 Weeks	60-70	User	Female	525.0	51.4	135.4	338.2
75	Man1	67	2 Weeks	60-70	User	Female	121.7	50.3	28.7	42.7
76	Man1	69	2 Weeks	60-70	User	Female	110.9	39.7	56.4	14.8
77	Man1	72	2 Weeks	60-70	User	Female	77.8	26.4	37.2	14.2

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
78	Man1	7	2 Weeks	60-70	User	Male	511.4	92.2	127.1	292.2
79	Man1	11	2 Weeks	60-70	User	Male	161.9	51.9	97.0	12.9
80	Man1	18	2 Weeks	60-70	User	Male	160.8	88.4	68.2	4.2
81	Man1	19	2 Weeks	60-70	User	Male	183.0	31.4	118.5	33.2
82	Man1	20	2 Weeks	60-70	User	Male	110.6	50.6	55.4	4.7
83	Man1	32	2 Weeks	60-70	User	Male	195.6	57.3	69.1	69.3
84	Man1	47	2 Weeks	60-70	User	Male	189.2	39.7	95.1	54.4
85	Man1	56	5 Weeks	20-30	User	Female	251.1	55.8	99.9	95.5
86	Man1	73	5 Weeks	20-30	User	Female	303.0	36.2	85.6	181.3
87	Man1	79	5 Weeks	20-30	User	Female	206.8	60.2	105.4	41.2
88	Man1	87	5 Weeks	20-30	User	Female	263.9	54.9	96.3	112.7
89	Man1	55	5 Weeks	20-30	User	Male	240.0	50.3	134.9	54.7
90	Man1	68	5 Weeks	20-30	User	Male	416.4	89.2	115.5	211.7
91	Man1	76	5 Weeks	20-30	User	Male	313.6	59.6	116.2	137.7
92	Man1	89	5 Weeks	20-30	User	Male	188.1	73.1	62.3	52.7
93	Man1	88	5 Weeks	40-50	User	Female	469.7	101.2	139.2	229.2
94	Man1	96	5 Weeks	40-50	User	Female	243.3	92.9	56.9	93.5
95	Man1	99	5 Weeks	40-50	User	Female	192.8	41.0	73.8	78.0
96	Man1	104	5 Weeks	40-50	User	Female	447.3	25.8	91.9	329.6
97	Man1	78	5 Weeks	40-50	User	Male	139.9	53.4	62.5	24.0
98	Man1	81	5 Weeks	40-50	User	Male	212.2	64.4	119.4	28.3
99	Man1	92	5 Weeks	40-50	User	Male	87.2	30.3	30.4	26.5
100	Man1	100	5 Weeks	40-50	User	Male	411.5	94.3	183.1	134.2
101	Man1	70	5 Weeks	60-70	User	Female	140.0	40.2	66.4	33.4
102	Man1	77	5 Weeks	60-70	User	Female	169.6	38.4	85.9	45.3
103	Man1	90	5 Weeks	60-70	User	Female	245.0	61.2	91.2	92.6
104	Man1	97	5 Weeks	60-70	User	Female	166.1	46.1	85.8	34.3
105	Man1	40	5 Weeks	60-70	User	Male	78.5	27.7	47.4	3.4
106	Man1	62	5 Weeks	60-70	User	Male	93.4	35.2	45.0	13.3
107	Man1	66	5 Weeks	60-70	User	Male	201.4	60.3	94.0	47.1
108	Man1	85	5 Weeks	60-70	User	Male	421.0	66.9	85.8	268.3
1	Man2	27	2 Weeks	20-30	Nonuser	Female	172.2	57.1	81.0	34.1
2	Man2	31	2 Weeks	20-30	Nonuser	Female	255.0	64.0	60.9	130.1
3	Man2	38	2 Weeks	20-30	Nonuser	Female	156.9	80.4	62.2	14.2
4	Man2	39	2 Weeks	20-30	Nonuser	Female	114.8	37.8	73.9	3.2
5	Man2	44	2 Weeks	20-30	Nonuser	Female	369.8	112.6	239.1	18.1
6	Man2	45	2 Weeks	20-30	Nonuser	Female	413.8	164.2	112.2	137.4
7	Man2	49	2 Weeks	20-30	Nonuser	Female	679.4	87.2	73.9	518.4
8	Man2	4	2 Weeks	20-30	Nonuser	Male	805.6	71.0	125.6	608.9
9	Man2	41	2 Weeks	20-30	Nonuser	Male	91.5	21.1	31.1	39.3
10	Man2	63	2 Weeks	20-30	Nonuser	Male	408.3	159.5	190.5	58.3
11	Man2	93	2 Weeks	20-30	Nonuser	Male	215.7	103.6	79.3	32.8
12	Man2	98	2 Weeks	20-30	Nonuser	Male	500.0	90.3	220.8	188.9
13	Man2	109	2 Weeks	20-30	Nonuser	Male	181.1	49.4	101.1	30.6

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
14	Man2	114	2 Weeks	20-30	Nonuser	Male	175.5	35.7	101.7	38.2
15	Man2	10	2 Weeks	20-30	User	Female	221.9	41.7	69.8	110.3
16	Man2	15	2 Weeks	20-30	User	Female	145.7	33.3	53.5	58.8
17	Man2	30	2 Weeks	20-30	User	Female	201.6	49.5	90.6	61.5
18	Man2	42	2 Weeks	20-30	User	Female	159.7	40.2	38.4	81.0
19	Man2	50	2 Weeks	20-30	User	Female	628.6	280.6	235.1	112.8
20	Man2	51	2 Weeks	20-30	User	Female	275.1	80.4	140.7	54.1
21	Man2	52	2 Weeks	20-30	User	Female	439.3	72.3	105.3	261.8
22	Man2	33	2 Weeks	20-30	User	Male	344.0	70.9	190.2	82.9
23	Man2	37	2 Weeks	20-30	User	Male	190.7	62.3	119.5	8.9
24	Man2	54	2 Weeks	20-30	User	Male	423.8	130.5	176.2	117.1
25	Man2	59	2 Weeks	20-30	User	Male	288.9	70.3	107.4	111.2
26	Man2	60	2 Weeks	20-30	User	Male	96.5	30.6	50.0	15.9
27	Man2	61	2 Weeks	20-30	User	Male	622.9	77.2	239.2	306.5
28	Man2	64	2 Weeks	20-30	User	Male	174.1	40.1	94.9	39.1
29	Man2	1	2 Weeks	40-50	Nonuser	Female	272.5	106.5	117.2	48.9
30	Man2	23	2 Weeks	40-50	Nonuser	Female	53.6	27.8	13.7	12.0
31	Man2	25	2 Weeks	40-50	Nonuser	Female	182.8	91.9	47.6	43.4
32	Man2	26	2 Weeks	40-50	Nonuser	Female	201.1	61.7	80.6	58.8
33	Man2	29	2 Weeks	40-50	Nonuser	Female	159.4	72.0	48.6	38.8
34	Man2	80	2 Weeks	40-50	Nonuser	Female	172.3	61.2	99.6	11.5
35	Man2	84	2 Weeks	40-50	Nonuser	Female	149.1	42.9	82.4	23.8
36	Man2	34	2 Weeks	40-50	Nonuser	Male	370.3	125.1	131.6	113.6
37	Man2	75	2 Weeks	40-50	Nonuser	Male	406.3	130.2	181.2	94.9
38	Man2	94	2 Weeks	40-50	Nonuser	Male	627.7	94.6	301.4	231.7
39	Man2	102	2 Weeks	40-50	Nonuser	Male	1292.5	139.5	310.3	842.7
40	Man2	111	2 Weeks	40-50	Nonuser	Male	316.5	93.5	153.2	69.8
41	Man2	112	2 Weeks	40-50	Nonuser	Male	169.2	32.7	105.7	30.8
42	Man2	117	2 Weeks	40-50	Nonuser	Male	420.8	100.3	233.7	86.8
43	Man2	5	2 Weeks	40-50	User	Female	238.4	48.4	57.7	132.3
44	Man2	6	2 Weeks	40-50	User	Female	104.7	27.2	56.9	20.7
45	Man2	8	2 Weeks	40-50	User	Female	175.1	36.9	87.1	51.1
46	Man2	9	2 Weeks	40-50	User	Female	281.6	61.8	86.6	133.2
47	Man2	12	2 Weeks	40-50	User	Female	167.7	63.0	77.3	27.5
48	Man2	21	2 Weeks	40-50	User	Female	210.8	92.0	99.4	19.4
49	Man2	24	2 Weeks	40-50	User	Female	134.7	58.0	64.2	12.6
50	Man2	3	2 Weeks	40-50	User	Male	62.1	17.9	36.7	7.5
51	Man2	14	2 Weeks	40-50	User	Male	183.6	67.2	67.7	48.7
52	Man2	17	2 Weeks	40-50	User	Male	68.9	29.2	35.8	4.0
53	Man2	22	2 Weeks	40-50	User	Male	144.0	70.3	66.9	6.8
54	Man2	35	2 Weeks	40-50	User	Male	303.9	113.7	178.4	11.8
55	Man2	74	2 Weeks	40-50	User	Male	65.9	24.0	32.4	9.6
56	Man2	105	2 Weeks	40-50	User	Male	335.7	87.5	113.3	134.9
57	Man2	43	2 Weeks	60-70	Nonuser	Female	173.8	85.8	70.2	17.8

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
58	Man2	46	2 Weeks	60-70	Nonuser	Female	165.6	92.5	61.0	12.1
59	Man2	82	2 Weeks	60-70	Nonuser	Female	281.1	77.0	119.3	84.9
60	Man2	83	2 Weeks	60-70	Nonuser	Female	47.0	16.9	17.7	12.4
61	Man2	91	2 Weeks	60-70	Nonuser	Female	66.5	37.9	23.8	4.7
62	Man2	95	2 Weeks	60-70	Nonuser	Female	112.6	39.5	54.4	18.7
63	Man2	106	2 Weeks	60-70	Nonuser	Female	189.1	53.0	104.7	31.5
64	Man2	103	2 Weeks	60-70	Nonuser	Male	170.4	45.0	75.6	49.7
65	Man2	107	2 Weeks	60-70	Nonuser	Male	195.3	71.7	71.3	52.3
66	Man2	108	2 Weeks	60-70	Nonuser	Male	174.1	62.4	75.6	36.2
67	Man2	110	2 Weeks	60-70	Nonuser	Male	211.9	63.0	99.8	49.1
68	Man2	113	2 Weeks	60-70	Nonuser	Male	175.0	81.4	75.8	17.8
69	Man2	115	2 Weeks	60-70	Nonuser	Male	209.6	83.2	93.7	32.7
70	Man2	116	2 Weeks	60-70	Nonuser	Male	228.7	77.5	91.8	59.3
71	Man2	13	2 Weeks	60-70	User	Female	196.1	63.4	109.8	22.9
72	Man2	48	2 Weeks	60-70	User	Female	216.8	40.9	80.4	95.6
73	Man2	57	2 Weeks	60-70	User	Female	117.1	40.8	64.2	12.0
74	Man2	65	2 Weeks	60-70	User	Female	96.4	32.9	53.1	10.5
75	Man2	67	2 Weeks	60-70	User	Female	226.5	109.3	92.5	24.7
76	Man2	69	2 Weeks	60-70	User	Female	158.7	54.0	80.4	24.3
77	Man2	72	2 Weeks	60-70	User	Female	183.9	46.3	69.5	68.1
78	Man2	7	2 Weeks	60-70	User	Male	694.1	91.0	164.7	438.4
79	Man2	11	2 Weeks	60-70	User	Male	159.2	51.8	96.5	10.9
80	Man2	18	2 Weeks	60-70	User	Male	161.6	87.5	60.9	13.1
81	Man2	19	2 Weeks	60-70	User	Male	178.0	40.3	126.1	11.7
82	Man2	20	2 Weeks	60-70	User	Male	237.1	60.8	91.7	84.7
83	Man2	32	2 Weeks	60-70	User	Male	180.4	65.8	83.0	31.6
84	Man2	47	2 Weeks	60-70	User	Male	146.8	48.5	72.6	25.7
85	Man2	56	5 Weeks	20-30	User	Female	945.1	206.6	366.2	372.2
86	Man2	73	5 Weeks	20-30	User	Female	1234.3	245.3	421.9	567.1
87	Man2	79	5 Weeks	20-30	User	Female	676.4	194.8	395.8	85.8
88	Man2	87	5 Weeks	20-30	User	Female	882.6	207.2	372.1	303.3
89	Man2	55	5 Weeks	20-30	User	Male	495.2	156.5	316.8	21.8
90	Man2	68	5 Weeks	20-30	User	Male	2350.5	278.8	383.3	1688.4
91	Man2	76	5 Weeks	20-30	User	Male	809.3	253.4	367.2	188.7
92	Man2	89	5 Weeks	20-30	User	Male	1513.8	358.7	435.2	719.8
93	Man2	88	5 Weeks	40-50	User	Female	931.1	186.1	243.6	501.4
94	Man2	96	5 Weeks	40-50	User	Female	976.9	297.5	366.9	312.5
95	Man2	99	5 Weeks	40-50	User	Female	1095.6	299.8	568.0	227.7
96	Man2	104	5 Weeks	40-50	User	Female	889.0	260.9	504.6	123.6
97	Man2	78	5 Weeks	40-50	User	Male	696.2	252.1	234.3	209.8
98	Man2	81	5 Weeks	40-50	User	Male	931.2	281.9	476.6	172.7
99	Man2	92	5 Weeks	40-50	User	Male	369.6	116.8	158.7	94.2
100	Man2	100	5 Weeks	40-50	User	Male	1106.9	339.7	501.3	266.0
101	Man2	70	5 Weeks	60-70	User	Female	470.0	158.8	247.8	63.4

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
102	Man2	77	5 Weeks	60-70	User	Female	725.0	190.6	340.0	194.4
103	Man2	90	5 Weeks	60-70	User	Female	493.2	199.9	199.3	94.0
104	Man2	97	5 Weeks	60-70	User	Female	555.5	171.4	286.7	97.4
105	Man2	40	5 Weeks	60-70	User	Male	798.8	218.9	335.3	244.7
106	Man2	62	5 Weeks	60-70	User	Male	438.1	189.4	219.2	29.4
107	Man2	66	5 Weeks	60-70	User	Male	629.9	254.1	305.0	70.8
108	Man2	85	5 Weeks	60-70	User	Male	1138.5	323.9	400.2	414.4
1	Manual	27	2 Weeks	20-30	Nonuser	Female	258.9	89.8	120.7	48.4
2	Manual	31	2 Weeks	20-30	Nonuser	Female	414.9	112.3	99.0	203.7
3	Manual	38	2 Weeks	20-30	Nonuser	Female	198.7	112.2	72.3	14.2
4	Manual	39	2 Weeks	20-30	Nonuser	Female	266.1	72.5	164.0	29.7
5	Manual	44	2 Weeks	20-30	Nonuser	Female	748.9	202.5	449.3	97.2
6	Manual	45	2 Weeks	20-30	Nonuser	Female	551.2	228.2	140.0	183.0
7	Manual	49	2 Weeks	20-30	Nonuser	Female	1176.9	158.1	144.9	873.9
8	Manual	4	2 Weeks	20-30	Nonuser	Male	1219.9	133.1	217.8	869.0
9	Manual	41	2 Weeks	20-30	Nonuser	Male	250.9	68.0	81.1	101.8
10	Manual	63	2 Weeks	20-30	Nonuser	Male	797.2	301.4	345.0	150.8
11	Manual	93	2 Weeks	20-30	Nonuser	Male	456.4	182.7	166.1	107.6
12	Manual	98	2 Weeks	20-30	Nonuser	Male	1320.5	200.4	511.0	609.1
13	Manual	109	2 Weeks	20-30	Nonuser	Male	547.3	102.6	218.6	226.2
14	Manual	114	2 Weeks	20-30	Nonuser	Male	480.4	67.7	185.3	227.4
15	Manual	10	2 Weeks	20-30	User	Female	418.4	83.2	135.5	199.7
16	Manual	15	2 Weeks	20-30	User	Female	333.9	90.2	119.7	124.1
17	Manual	30	2 Weeks	20-30	User	Female	401.3	92.4	174.5	134.4
18	Manual	42	2 Weeks	20-30	User	Female	293.2	69.2	70.9	153.1
19	Manual	50	2 Weeks	20-30	User	Female	868.5	361.4	342.6	164.5
20	Manual	51	2 Weeks	20-30	User	Female	289.8	93.5	142.2	54.1
21	Manual	52	2 Weeks	20-30	User	Female	698.1	120.7	205.9	371.6
22	Manual	33	2 Weeks	20-30	User	Male	599.5	150.4	326.5	122.6
23	Manual	37	2 Weeks	20-30	User	Male	433.4	159.7	261.2	12.5
24	Manual	54	2 Weeks	20-30	User	Male	783.9	253.1	301.7	229.2
25	Manual	59	2 Weeks	20-30	User	Male	507.8	129.2	180.7	197.8
26	Manual	60	2 Weeks	20-30	User	Male	193.4	61.3	93.2	38.8
27	Manual	61	2 Weeks	20-30	User	Male	1002.3	151.6	450.7	400.0
28	Manual	64	2 Weeks	20-30	User	Male	457.1	96.0	194.1	167.0
29	Manual	1	2 Weeks	40-50	Nonuser	Female	518.2	185.5	228.2	104.6
30	Manual	23	2 Weeks	40-50	Nonuser	Female	220.3	70.0	47.3	103.0
31	Manual	25	2 Weeks	40-50	Nonuser	Female	395.8	165.4	117.4	113.1
32	Manual	26	2 Weeks	40-50	Nonuser	Female	389.4	119.7	186.8	82.9
33	Manual	29	2 Weeks	40-50	Nonuser	Female	394.4	129.6	149.7	115.0
34	Manual	80	2 Weeks	40-50	Nonuser	Female	457.2	90.8	154.6	211.7
35	Manual	84	2 Weeks	40-50	Nonuser	Female	413.5	93.6	194.4	125.5
36	Manual	34	2 Weeks	40-50	Nonuser	Male	756.6	209.0	226.3	321.3
37	Manual	75	2 Weeks	40-50	Nonuser	Male	729.2	253.2	344.0	132.0

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
38	Manual	94	2 Weeks	40-50	Nonuser	Male	793.0	120.2	350.5	322.2
39	Manual	102	2 Weeks	40-50	Nonuser	Male	1609.7	212.6	489.1	908.0
40	Manual	111	2 Weeks	40-50	Nonuser	Male	897.7	170.8	296.7	430.2
41	Manual	112	2 Weeks	40-50	Nonuser	Male	622.6	100.1	290.8	231.7
42	Manual	117	2 Weeks	40-50	Nonuser	Male	610.6	151.3	331.0	128.2
43	Manual	5	2 Weeks	40-50	User	Female	491.8	101.1	133.2	257.5
44	Manual	6	2 Weeks	40-50	User	Female	297.5	69.9	157.9	69.7
45	Manual	8	2 Weeks	40-50	User	Female	755.6	98.1	222.3	435.2
46	Manual	9	2 Weeks	40-50	User	Female	648.2	138.7	226.5	283.0
47	Manual	12	2 Weeks	40-50	User	Female	433.3	135.5	198.8	98.9
48	Manual	21	2 Weeks	40-50	User	Female	360.8	165.8	146.6	48.4
49	Manual	24	2 Weeks	40-50	User	Female	221.5	110.0	95.1	16.4
50	Manual	3	2 Weeks	40-50	User	Male	204.0	46.7	119.4	37.9
51	Manual	14	2 Weeks	40-50	User	Male	297.9	108.2	102.6	87.1
52	Manual	17	2 Weeks	40-50	User	Male	174.7	60.7	91.6	22.4
53	Manual	22	2 Weeks	40-50	User	Male	312.2	128.9	156.6	26.7
54	Manual	35	2 Weeks	40-50	User	Male	740.9	187.2	325.9	227.9
55	Manual	74	2 Weeks	40-50	User	Male	151.4	59.3	71.9	20.2
56	Manual	105	2 Weeks	40-50	User	Male	633.4	134.0	209.8	289.5
57	Manual	43	2 Weeks	60-70	Nonuser	Female	268.7	129.9	105.2	33.6
58	Manual	46	2 Weeks	60-70	Nonuser	Female	266.4	136.6	101.9	27.9
59	Manual	82	2 Weeks	60-70	Nonuser	Female	370.2	100.6	139.5	130.1
60	Manual	83	2 Weeks	60-70	Nonuser	Female	155.6	58.2	64.0	33.5
61	Manual	91	2 Weeks	60-70	Nonuser	Female	144.1	61.8	71.2	11.0
62	Manual	95	2 Weeks	60-70	Nonuser	Female	233.1	96.7	102.1	34.2
63	Manual	106	2 Weeks	60-70	Nonuser	Female	345.3	97.8	173.1	74.4
64	Manual	103	2 Weeks	60-70	Nonuser	Male	371.4	102.8	146.9	121.7
65	Manual	107	2 Weeks	60-70	Nonuser	Male	525.0	129.6	219.2	176.2
66	Manual	108	2 Weeks	60-70	Nonuser	Male	305.8	127.1	139.9	38.8
67	Manual	110	2 Weeks	60-70	Nonuser	Male	570.8	134.9	232.2	203.7
68	Manual	113	2 Weeks	60-70	Nonuser	Male	573.4	165.2	172.8	235.4
69	Manual	115	2 Weeks	60-70	Nonuser	Male	429.3	166.8	211.2	51.2
70	Manual	116	2 Weeks	60-70	Nonuser	Male	407.4	162.2	144.5	100.8
71	Manual	13	2 Weeks	60-70	User	Female	365.2	110.7	211.8	42.7
72	Manual	48	2 Weeks	60-70	User	Female	389.6	87.9	185.1	116.6
73	Manual	57	2 Weeks	60-70	User	Female	199.8	72.5	101.7	25.6
74	Manual	65	2 Weeks	60-70	User	Female	621.4	84.2	188.5	348.7
75	Manual	67	2 Weeks	60-70	User	Female	348.3	159.6	121.3	67.4
76	Manual	69	2 Weeks	60-70	User	Female	269.5	93.7	136.7	39.1
77	Manual	72	2 Weeks	60-70	User	Female	261.7	72.7	106.7	82.3
78	Manual	7	2 Weeks	60-70	User	Male	1205.5	183.2	291.7	730.6
79	Manual	11	2 Weeks	60-70	User	Male	321.1	103.7	193.5	23.8
80	Manual	18	2 Weeks	60-70	User	Male	322.4	175.9	129.1	17.3
81	Manual	19	2 Weeks	60-70	User	Male	361.0	71.6	244.5	44.8

No	Mode	ID	Test Time	Age	Cruise Usage	Gender	Distance (miles) for different velocity ranges			
							All	< 35mph	35–55mph	> 55mph
82	Manual	20	2 Weeks	60-70	User	Male	347.7	111.3	147.1	89.3
83	Manual	32	2 Weeks	60-70	User	Male	376.1	123.1	152.1	100.9
84	Manual	47	2 Weeks	60-70	User	Male	336.0	88.2	167.7	80.1
85	Manual	56	5 Weeks	20-30	User	Female	1196.2	262.4	466.1	467.7
86	Manual	73	5 Weeks	20-30	User	Female	1537.4	281.5	507.4	748.4
87	Manual	79	5 Weeks	20-30	User	Female	883.2	255.0	501.2	127.0
88	Manual	87	5 Weeks	20-30	User	Female	1146.5	262.2	468.4	416.0
89	Manual	55	5 Weeks	20-30	User	Male	735.2	206.9	451.7	76.5
90	Manual	68	5 Weeks	20-30	User	Male	2766.9	368.0	498.8	1900.1
91	Manual	76	5 Weeks	20-30	User	Male	1122.9	313.0	483.5	326.4
92	Manual	89	5 Weeks	20-30	User	Male	1701.9	431.8	497.5	772.6
93	Manual	88	5 Weeks	40-50	User	Female	1400.8	287.3	382.8	730.7
94	Manual	96	5 Weeks	40-50	User	Female	1220.2	390.4	423.9	405.9
95	Manual	99	5 Weeks	40-50	User	Female	1288.3	340.8	641.8	305.6
96	Manual	104	5 Weeks	40-50	User	Female	1336.4	286.7	596.5	453.2
97	Manual	78	5 Weeks	40-50	User	Male	836.1	305.4	296.8	233.9
98	Manual	81	5 Weeks	40-50	User	Male	1143.4	346.4	596.0	201.0
99	Manual	92	5 Weeks	40-50	User	Male	456.9	147.1	189.2	120.6
100	Manual	100	5 Weeks	40-50	User	Male	1518.5	433.9	684.4	400.1
101	Manual	70	5 Weeks	60-70	User	Female	610.0	199.0	314.2	96.8
102	Manual	77	5 Weeks	60-70	User	Female	894.6	229.0	425.9	239.7
103	Manual	90	5 Weeks	60-70	User	Female	738.2	261.1	290.5	186.5
104	Manual	97	5 Weeks	60-70	User	Female	721.6	217.5	372.5	131.6
105	Manual	40	5 Weeks	60-70	User	Male	877.3	246.6	382.7	248.1
106	Manual	62	5 Weeks	60-70	User	Male	531.5	224.6	264.2	42.7
107	Manual	66	5 Weeks	60-70	User	Male	831.3	314.4	399.0	117.8
108	Manual	85	5 Weeks	60-70	User	Male	1559.5	390.8	486.0	682.7

Appendix D

Forms Used in Recruiting Participants

D.1 Information Letter - ACC Field Operational Test

The University of Michigan Transportation Research Institute and the National Highway Traffic Safety Administration are conducting a study of new cruise control devices for passenger vehicles, and one particular device referred to as "adaptive cruise control." We are examining the impact of these devices on driving safety, comfort, and convenience. We are particularly interested in how the use of adaptive cruise control might modify driver behavior. We believe this is important research that will contribute to enhancing automobile safety and comfort, but we want to ensure that these devices are designed with the driver in mind.

You have been asked to participate in this study to evaluate adaptive cruise control in passenger cars. While participating in this study, you will be driving a car on local roadways that is equipped with this new form of cruise control. At no time during this study will you be asked to perform any unsafe driving actions. You must possess a valid, unrestricted, driver's license. You must have a minimum of two years driving experience. You can not have been convicted of any felony involving a motor vehicle.

In addition, you must agree to the following:

a. You, the participant, are the only person permitted to drive the research vehicle. The participant is defined as the one individual who agreed to, and received extensive instruction on, usage of the research vehicle and ACC system.
b. The research vehicle can not be used to tow any form of trailer, or haul any material greater than what the vehicle was designed to accommodate.
c. You may not, or allow others to, remove, modify, or tamper with any components of the research vehicle, ACC system, or data collection system. You must receive verbal permission from the experimenters prior to allowing any mechanical work to be performed on the research vehicle.
d. The research vehicle can not be used to conduct illegal activities.
e. The research vehicle cannot be used to transport flammable materials.
f. You must agree to operate the research vehicle in accordance with all traffic laws.
g. You cannot drive the research vehicle while impaired by alcohol or any controlled substances.

h. You are the sole individual responsible for his/her conduct while driving the research vehicle.
i. You are responsible for purchasing fuel for the research vehicle for the duration which it is assigned to you.
j. The research vehicle can not be taken outside of the continental United States.
k. You are the sole individual responsible for all tickets and violations for the duration which the research vehicle is assigned to you.
l. You are responsible for reporting as early as possible to UMTRI any problems, mechanical malfunctions, or accidents with the research vehicle.
m. If at any time, and for any reason, the experimenters deem it necessary that the research vehicle be returned to UMTRI, you must either return the vehicle or make arrangements for UMTRI personnel to retrieve it.
n. You must return the research vehicle at the specified date and time your assignment ends.

RISKS: While participating in this study, you will be subject to all the risks that are normally present when driving a passenger car on public roadways. The use of the adaptive cruise control device being studied should not make driving any more hazardous than normal. However, caution should be used when operating a vehicle with which you are not familiar. The adaptive cruise control device you will be using will automatically accelerate and decelerate the research vehicle in order to maintain a constant distance (headway) separation between the research vehicle and any vehicle you are following. The level of deceleration you could experience is comparable to that of lightly applying the car's brakes. Be aware that accidents can happen at any time when driving, and that you can not rely on any device being studied to prevent an accident from occurring.

In the event that an accident occurs; you, any passengers, the research vehicle, as well as any other persons or property involved, will be covered under an insurance policy held by The University of Michigan Transportation Research Institute and The University of Michigan.

BENEFITS: The results of this study will provide valuable guidance for the development of cruise control devices for passenger cars. By participating in this study, you will be lending your experience and expertise to support highway safety research.

PAYMENT: You will be paid a total of $150 for participating as a driver in this study. Your participation in the study will require approximately two (2) weeks.

CONFIDENTIALITY: The University of Michigan Transportation Research Institute and the National Highway Traffic Safety Administration are gathering information on the use of adaptive cruise control in passenger cars. We are not testing you or your skills. If you agree to participate in this study, your name will not be voluntarily released to anyone who does not work on this project. Your name will not appear in any reports or papers written about the project.

The University of Michigan Transportation Research Institute and the National Highway Traffic Safety Administration hope that you will agree to participate in this study. If you have any questions, please feel free at any time to ask the experimenter.

Once you have had your questions answered, please let the experimenter know whether you are interested in participating in this study. If you are willing to participate, the experimenter will ask you some questions to ensure that your skills and experience match our research needs. If it is determined that you qualify to participate, you will be asked to read and sign an Informed Consent Form before you can actually participate in the study.

D.2 Informed Consent Form -ACC Field Operational Test

I, _____, agree to participate in the University of
(Print your full name)

Michigan Transportation Research Institute's study of adaptive cruise control field operational test.

I understand that:

1. The purpose of this experiment is to investigate driver impressions and driving behavior concerning a new type of cruise control technology called adaptive cruise control.
2. As a participant, I will drive an instrumented car which is equipped with this new cruise control technology on public roadways.
3. At the conclusion of driving I will be asked to complete a questionnaire regarding my impressions of the adaptive cruise control system.
4. At no time in this study will I be asked to perform any unsafe driving actions.
5. I agree to obey all traffic laws while driving the research vehicle.
6. I must possess a valid, unrestricted, driver's license.
7. I must have a minimum of two years driving experience.
8. I cannot have been convicted of any felony involving a motor vehicle.

9. While driving in this study, I will be subject to all risks that are normally present while driving a passenger car. The use of adaptive cruise control is intended to make driving safer and more comfortable. However, caution should be exercised when operating a vehicle with equipment with which one is not familiar. I understand that the adaptive cruise control device will automatically accelerate and decelerate the research vehicle in order to maintain a constant distance (headway) separation between the research vehicle and any vehicle I am following, and that the level of deceleration is comparable to that of lightly applying the car's brakes. I will not become over reliant on the adaptive cruise control system, and I am aware that accidents can happen at any time while driving. I understand that the existence of an adaptive cruise control system on the research vehicle will not eliminate the possibility of an accident occurring.
10. In the event that an accident occurs; myself, any passengers, the research vehicle, as well as any other persons or property involved, will be covered under an insurance policy held by the University of Michigan Transportation Research Institute and the University of Michigan.
11. I also agree to the following conditions:
    a. I, the participant, am the only person permitted to drive the research vehicle.
    b. I will not use the research vehicle to tow any form of trailer, or haul any material greater than what the vehicle was designed to accommodate (heavy loading of the vehicle will negatively influence the operation of the ACC system).
    c. I will not drive the research vehicle "off road", on any form of test or race track, nor will I use the vehicle in the performance of any form of stunt.
    d. I will not, nor allow others to, remove, modify, or tamper with any components of the research vehicle, ACC system, or data collection system. I understand that I must receive verbal permission from an experimenter prior to allowing any mechanical work, other than changing a flat tire, to be performed on the research vehicle.
    e. I will not use the research vehicle to conduct illegal activities.
    f. I will not transport flammable materials in the research vehicle.
    g. I cannot drive the research vehicle while impaired by alcohol or any controlled substances.
    h. I am the sole individual responsible for his/her conduct while driving the research vehicle.

i. I am responsible for the purchasing of fuel for the research vehicle for the duration which it is assigned to me.
j. I will not take the research vehicle outside of the continental United States (i.e., the research vehicle cannot enter Canada or Mexico).
k. I am the sole individual responsible for all tickets and violations for the duration which the research vehicle is assigned to me.
l. I am responsible for reporting as early as possible to UMTRI any problems, mechanical malfunctions, or accidents with the research vehicle.
m. If at any time, and for any reason, the experimenters deem it necessary that the research vehicle be returned to UMTRI prior to the end of the agreed term of my assignment, I must either return the vehicle or make arrangements for UMTRI personnel to retrieve it.
n. I must return the research vehicle at the specified date and time my assignment ends.

12. The results of this study will provide the University of Michigan Transportation Research Institute with information for the development of future adaptive cruise control devices. By participating in this study, I am lending my experience and expertise as a driver to support safety research regarding the future use of adaptive cruise control systems. I understand that I will not be informed as to the results of this study.
13. I will be paid a total of $150 for participating in this testing. I understand that participation in this experiment will take approximately two (2) weeks, of which 3 hours time is spent at UMTRI.
14. The University of Michigan Transportation Research Institute is gathering information on adaptive cruise control devices, and not testing me. My name will not be released to anyone who is not working on the project. My name will not appear in any reports or papers written about the project. It is possible that, should the vehicle be involved in an accident or crime, that the University of Michigan Transportation Research Institute will have to release data on my driving in response to a court order. This information may include data related to driving performance and/or travel patterns.

15. The experimenter and his assistants, employees of the University of Michigan Transportation Research Institute, will answer any questions that I may have about this study. The experimenter in charge of this testing is:
    James R. Sayer, Ph.D.
    University of Michigan Transportation Research Institute
    Human Factors Division
    2901 Baxter Rd., Ann Arbor, MI 48109-2150
    Phone: (313) 764-4159
    I understand that emergency assistance can be reached, 24 hours a day, by contacting a member of the research team by telephone at (313) 763-7836 (8 AM - 5 PM weekdays) or by pager at (313) 785-2373 (evenings and weekends).
16. If information becomes available which might reasonably be expected to affect my willingness to continue participating in this study, this information will be provided to me.
17. Participation in this study is voluntary. I understand that I may withdraw from this study at any time, and for any reason, without penalty. Should I withdraw, I will be paid for my time spent participating in the study, pro-rated, regardless of reason for withdrawal (or a minimum of $20).

I, _____, HAVE READ AND UNDERSTAND THE TERMS OF THIS AGREEMENT. I VOLUNTARILY CONSENT TO PARTICIPATE IN THIS STUDY.

_____	_____	_____/_____/_____
Name (Print)	Signature	Date
_____		(_____)_____
Address		Telephone

Appendix E

System Characterization Procedure

The tests described in this appendix have been used to provide a preliminary checkout of the control functionality of the prototype ACC system being used in this field operational test. The purpose of these tests is not to measure the specific performance of the ACC sensors per se. Rather, it is to characterize the entire prototype system which includes the sensors, control algorithm, and vehicle platform.

The tests are controlled in reference to the speed of the preceding vehicle. It is desired that the speed of the preceding vehicle be approximately 66 mph or 60 mph in certain tests. In addition, other vehicles should not intervene between the ACC vehicle and the preceding vehicle. If the tests are done without a cooperative preceding vehicle (a confederate vehicle), it will be necessary to accept the speed of an arbitrarily picked preceding vehicle encountered on the highway.

The tests are intended to be useful even if they are performed on normal grades and curves as encountered on limited-access highways. However, curvature and grade will influence quantitative measures of performance to the extent that straight level sections of roadway are desired when consistent numerical results are needed.

The approach employed here for characterizing the ACC system is based upon identifying generic, fundamental tasks that the system may be expected to perform. These tasks are related to the following operational situations:

- closing-in on a preceding vehicle from a long range
- changing to a new headway in response to changing the system's headway setting
- responding to a close approach to a preceding vehicle

This set does not cover all aspects of ACC driving. However, it covers important situations and it provides a good basis for checking the performance of the existing ACC systems.

In order to check and evaluate system performance in these types of situations it is necessary to define (1) the input (essentially the behavior of the preceding vehicle), (2) the initial conditions for starting the test, (3) the conditions that apply during a test run, and (4) the performance signatures and measures used to characterize system performance.

The inputs to these tests are the speed of the preceding vehicle. The results of the tests are based upon measurements of range, range rate, velocity, transmission shift commands, and velocity commands resident within the ACC system. The primary data signals (and their

measured equivalents) that are used in performing and evaluating the test results were described in section 3.1.2, and illustrated in Figure xx15 in the main body of the report. Also, R versus Rdot plots are useful for interpreting results [xx4].

In addition, the computed quantity "Headway Time Margin", symbolized as H_{tm}, is useful for interpreting results. The equation for H_{tm} is:

$$H_{tm} = \frac{R}{V} \quad \text{(E-1)}$$

In steady following with $V = V_p$, H_{tm} should be equal to the headway time (T_h) used in the headway controller. H_{tm} represents the reaction time within which the following driver would need to match any deceleration profile of the preceding vehicle in order to avoid a crash. The goal of the headway control system is viewed as trying to cause H_{tm} to approach T_h.

Sensor and velocity information is inherent and essential to the performance of this system. Therefore, these data are treated as "measured", to emphasize the potential difference between the real data and that which the sensors report and the algorithm uses for calculations. (Symbols with a subscript "m" identify those variables.)

The following types of tests have been used to characterize basic functional aspects of the system.

E.1 Test 1: Closing-in on a Preceding Vehicle

This test examines the transition from (a) operating in a manner similar to that of a conventional cruise control, to (b) operating in a headway-control mode. When the preceding vehicle is first detected, the ACC vehicle is using V_{set} and not range and range-rate to determine its speed. However, as the ACC vehicle closes in, the headway-control feature is automatically activated. The ACC system slows the vehicle to match the speed of the preceding vehicle and maintains a distance determined by the pre-selected headway time.

Input

- V_p = 60 mph (88 ft/s, 26.8 m/s)

Initial conditions for the ACC vehicle

- V = 70 mph (103 ft/s, 31.3 m/s)
- V_{set} =70 mph
- T_h = 1.4 s (implies 123 ft at 60 mph, 37.5 m at 96.6 kph)
- R > about 350 ft (107 m)

Run conditions: Starting from appropriate initial conditions operate the ACC system until a following condition ($V = V_p$ and $R = 1.4\ V_p$) is established.

Example results: Typical results for this test are shown in Figure E-1 and Figure E-2. The process of slowing from the ACC vehicle's initial velocity to V_p is relatively long (30 to 60 seconds). Figure E-1 is a phase plane plot of range versus range rate for this test. Time is not directly shown in this plot, however the direction of increasing time is shown using arrowheads.

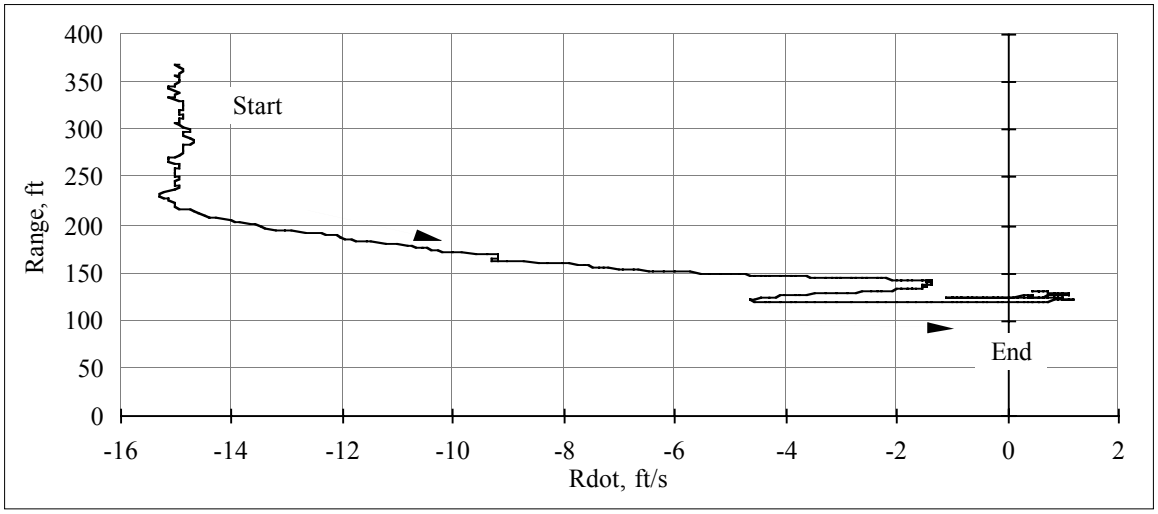

Figure E-1. Range versus Range-Rate, closing from long range

In closing from long range, R decreases as expected. RDot is the derivative of R, and hence is negative for decreasing range. Figure E-2 is a plot of headway time margin, H_{tm}, versus time during this test.

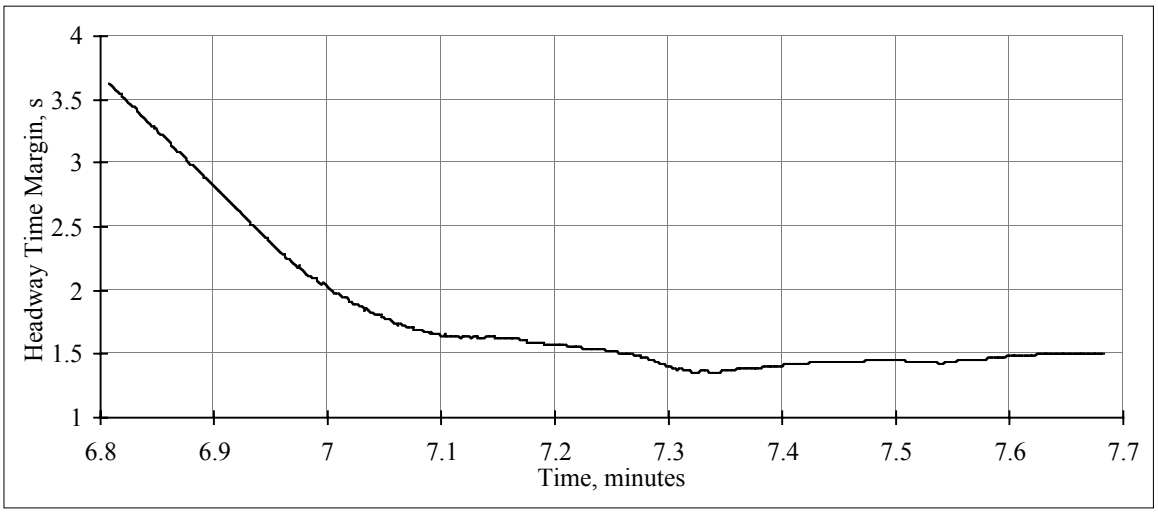

Figure E-2. Headway Time Margin (H_{tm}) versus time, closing from long range

At the beginning of the sequence, before the system starts to respond to the preceding vehicle, the vehicles are separated by more than 3.5 seconds, and H_{tm} decreases linearly. At about H_{tm} = 2.3 seconds, the time history of H_{tm} curves to approach somewhat exponentially to the selected headway time T_h = 1.4 s. Typical variations in speed and grade will cause headway time margin H_{tm} to be within 10 percent of T_h when nominally steady following conditions are reached. Furthermore, the system tends to operate at 1.5 s rather than 1.4 s. (In practice, the actual headway times are best described as 1.1, 1.5, and 2.1 seconds.)

E.2 Test 2: Changing to a new headway

The purpose of this test is to see how the ACC vehicle responds when headway is adjusted. The vehicle being tested has three settings for headway time: 1.0, 1.4, and 2.0 seconds (see section xx3.1.6 in the main body of the report). These settings cover the range of headway used by drivers who tend to travel at the speed of adjacent traffic [xx6]. The test cases (A through C below) pertain to changes between these levels of headway time.

Case A

Input

- V_p = 66 mph (97 ft/s, 29.5 m/s)
- T_h = 2.0 s

Initial conditions

- V = 66 mph
- V_{set} = 70 mph (103 ft/s, 31.3 m/s)
- R = T_h V_p = 194 ft (59.2 m) for 66 mph

Run conditions: Follow the preceding vehicle for several seconds. (That is, with V = V_p and R = 2.0 V_p.) Change the T_h button setting from 2.0 to 1.0 s. This test should cause the vehicle to change to a shorter range of approximately 97 ft.

Example results: Figure E-3 is a plot of range versus range rate for this test. The range decreases to satisfy the lower T_h selection. Since the velocity of the preceding vehicle is nominally constant, the relative acceleration represents the acceleration of the following ACC vehicle. For this test, the highest closure rate is approximately -6 ft/s (-1.8 m/s) and the total change in range is approximately 120 ft (36m).

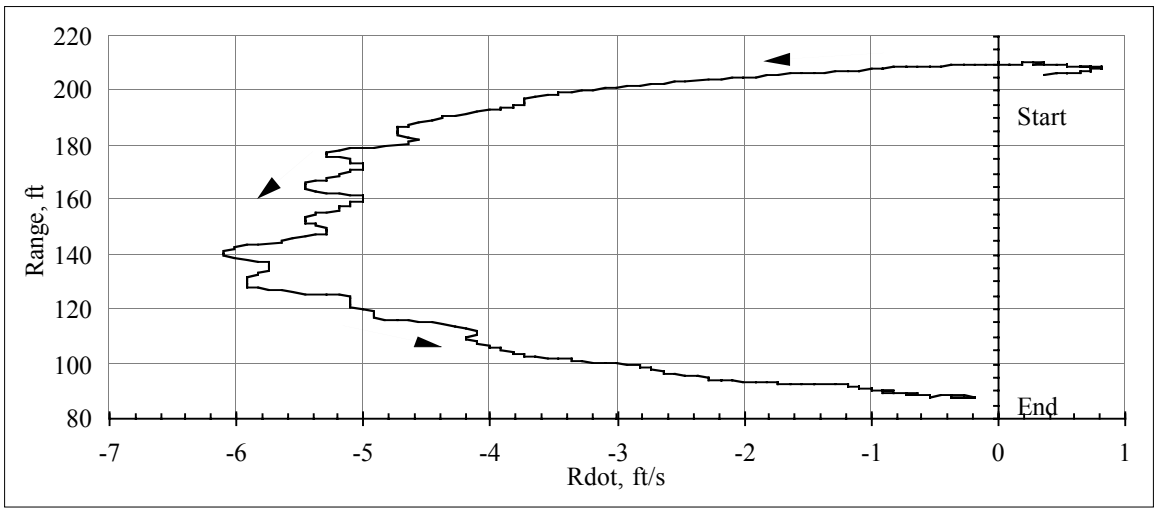

Figure E-3. Range versus Range-Rate, changing from T_h = 2.0 to 1.0 s

Figure E-4 shows the headway time margin (see equation (E-1)). The headway time margin changes fairly linearly during the transient with a slope of approximately 3.14 s/minute for this test.

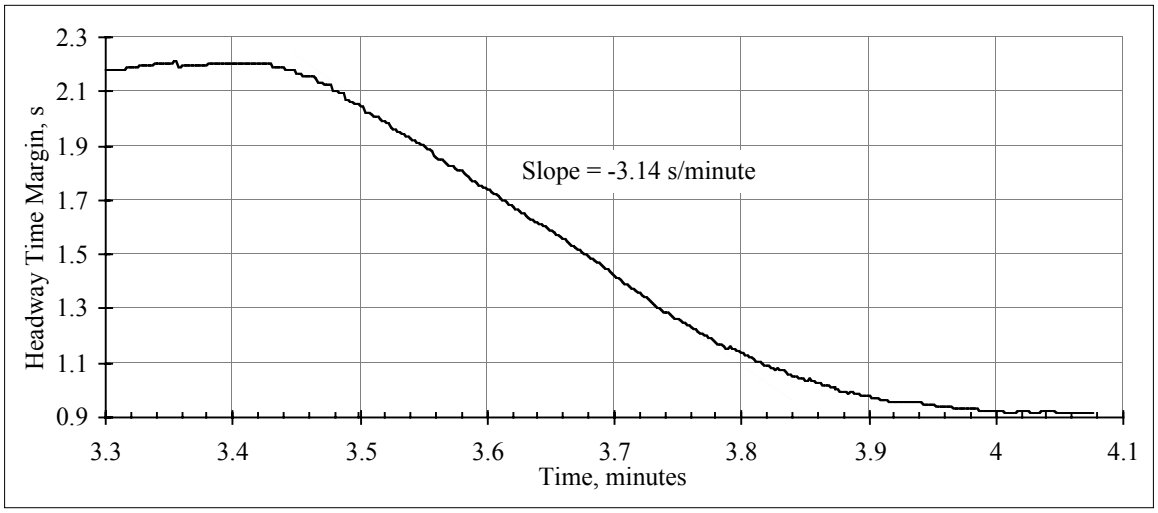

Figure E-4. Headway Time Margin (H_{tm}) versus time, changing from T_h = 2.0 to 1.0 s

Case B

(This case is the inverse of case A: initial T_h is 1.0 s and final T_h is 2.0 s)

Input

- V_p = 66 mph (97 ft/s, 29.5 m/s)
- T_h = 2.0 s, from T_h = 1.0 s initially

Initial conditions

- V = 66 mph

- V_{set} = 70 mph (103 ft/s, 31.3 m/s)
- R = T_h V_p = 97 ft (29.6 m) for T_h = 1.0 s initially

Run conditions: The same general idea as in case A, except this case causes the vehicle to change from a short to a longer range.

Example results: Figure E-5 presents the range versus range-rate diagram for this example. The maximum range-rate is 8 ft/sec. This means that the ACC vehicle slows down considerably as it widens the headway range by approximately 100 ft (30.5 m) in this case. Examination of the data for cases A and B indicates that this system increased headway (from T_h = 1.0 to 2.0 s) in approximately 1/3 less time than it required to shorten headway by the same increment (compare Figure E-4 and Figure E-6 as well as Figure E-3 and Figure E-5).

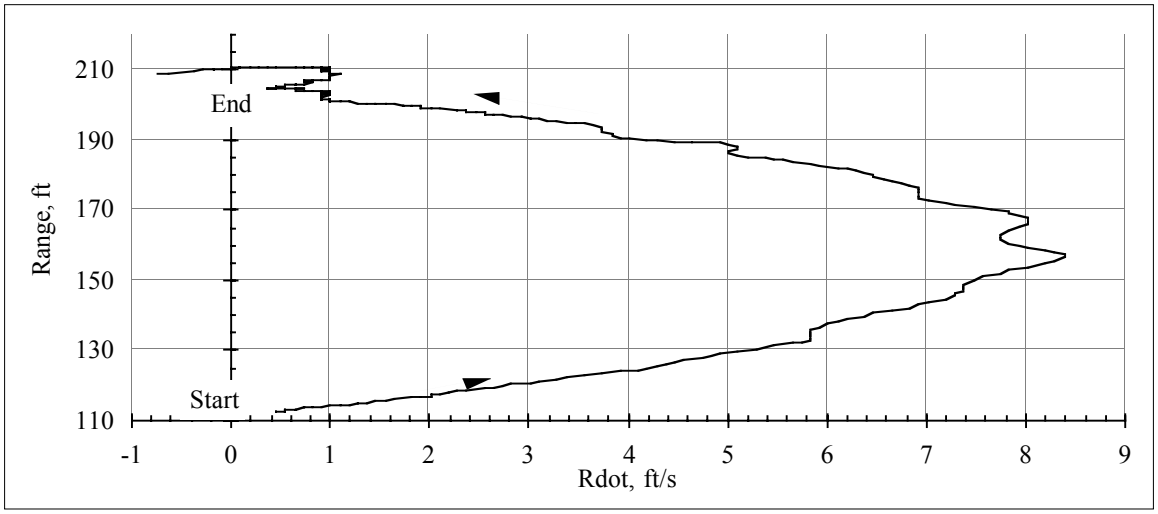

Figure E-5. Range versus Range-Rate, changing from T_h = 1.0 to 2.0 s

Examination of Figure E-6 indicates that the maximum slope of the headway time margin is approximately 6.3 sec/minute, or in other words, the slew rate employed in increasing headway time is about twice as fast as that employed in decreasing headway time.

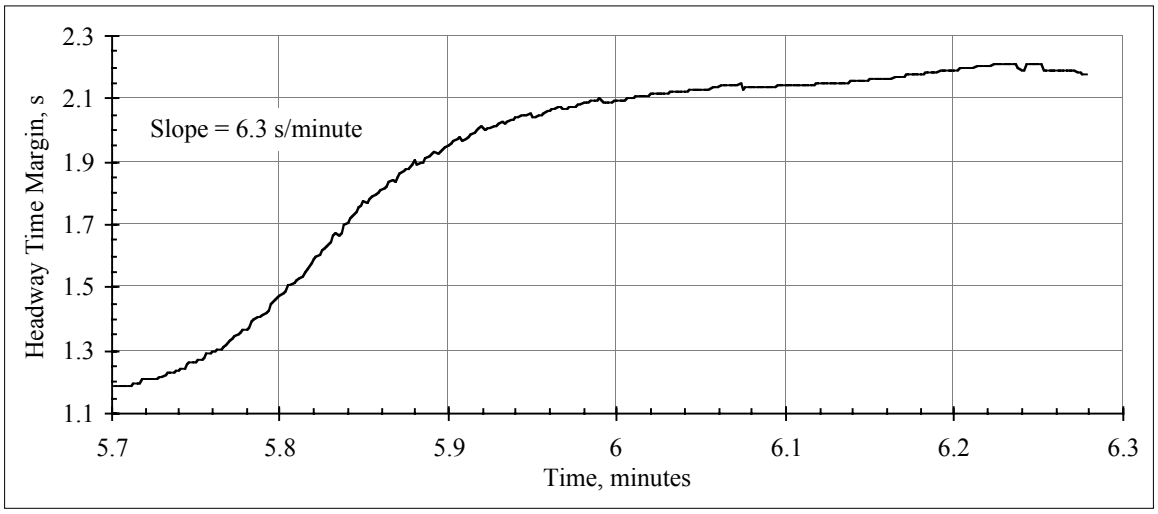

Figure E-6. Headway Time Margin (H_{tm}) versus time, changing from T_h = 1.0 to 2.0 s

Case C

(This case is similar to case A, only that final T_h is 1.4 s)

E.3 Test 3: Manually accelerating

The purpose of this test is to exercise the accelerator pedal override capability as well as to check the ability of the system to correct for a moderately-near encounter. This test may cause the control system to downshift the transmission while the driver is accelerating the ACC vehicle. Nevertheless, once the accelerator pedal is released by the driver, the ACC vehicle should slow down towards a proper following condition in a manner that is characteristic of the operation of this headway control system.

Input:

- V_p = 60 mph

Initial conditions for the ACC vehicle:

- V = 60 mph
- V_{set} = 70 mph
- T_h = 1.4 s (implies T_h V_p = 123 ft)
- The ACC vehicle should be following. (V = V_p and R = 1.4 V_p)

Run Conditions: The driver of the ACC vehicle is to accelerate and partially overtake the preceding vehicle. When the range gets to approximately 2/3 of the original gap, the driver of the following vehicle is to release the accelerator pedal. The test is continued until steady-state following is reestablished or until the driver brakes. (This test could be viewed as an aborted passing maneuver but it is probably better to view it as a means to simulate a near

encounter. In practical operation, near encounters can happen for many reasons including merges or other events that cause the sensor to pick up a preceding vehicle for the first time at close range.)

Example results: Data for range versus range-rate are presented in Figure E-7. These data show that the trajectory in the range versus range-rate space is nearly a closed loop. (Ideally it would be a closed loop.) The minimum R_{dot_m} is approximately –12 ft/s and the maximum is about 8 ft/s. The minimum range is close to 50 ft.

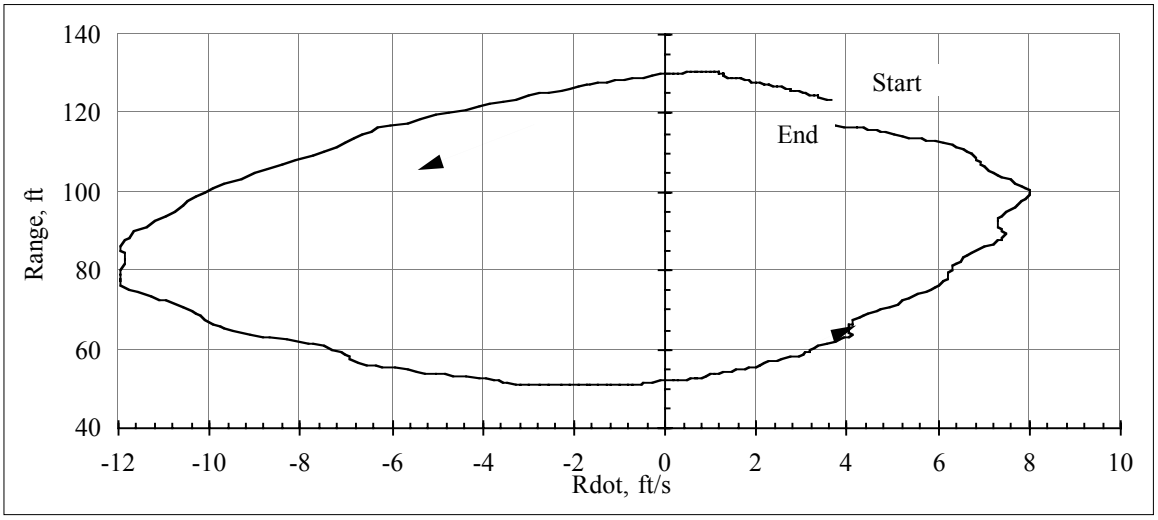

Figure E-7. Range versus Range-Rate, manually accelerating

Figure E-8 shows that the headway time margin goes from about 1.5 seconds to a low of about 0.6 seconds and then back to about 1.4 seconds in this test. This is all done in approximately 0.45 minutes (27 seconds).

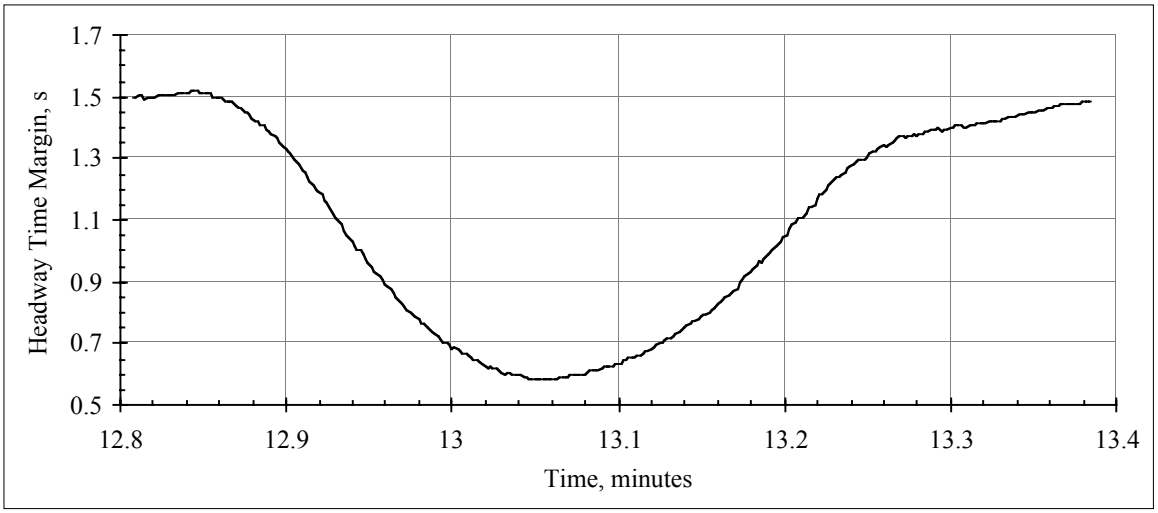

Figure E-8. Headway Time Margin versus time, manually accelerating

The test scenarios presented in this appendix serve as a practicable means for characterizing and periodically reconfirming the performance of the ACC vehicles in the field operational test. They provide performance signatures that can be examined to quantify features that serve as performance measures for ACC vehicles. Since the test conditions do not control for grade and traffic condition, the results will differ from time to time and place to place. Nevertheless, since the functionality of adaptive cruise control does not depend upon high levels of performance from a control system perspective, the results of these tests are sufficient to answer basic questions concerning the control algorithms such as: Does the vehicle slow down when it should? Does the vehicle speed up as it should? Does headway time adjust as it should?

From the characterization tests that were performed, it appears that this ACC system reaches selected headway times with a resolution of approximately ten percent. The system is able to correct for disturbances in speed or range-rate that cause range-rate to reach a closing rate of approximately 10 mph (–15 ft/s, –4.5 m/s). The system is also able to keep the headway time margin above 0.6 seconds in the sudden encounters involved in these tests. Changes in headway time are achieved smoothly with little overshoot or undershoot. When closing in from long range, the ACC system starts to adjust speed at 200 to 300 feet away. And finally, the ACC system downshifts when it needs to achieve a higher deceleration than that available from the natural retardation of the vehicle.

Clearly there are many driving situations that could be tested. The tests described here and an additional test that involves (1) a decelerating preceding vehicle, and (2) a preceding vehicle that suddenly appears in the path of the ACC vehicle, are presented in [xx7]. However, tests that involve braking or cut-in are difficult to perform, and could upset other drivers. Such tests were performed as part of the early characterization of the test vehicles, however, they are not part of the current routine checks. The 3 types of tests described in this appendix have been used routinely to check ACC functionality before a test vehicle is released to a participant driver.

Appendix F

Chronology of drivers, vehicles, systems, and events

F.1 Algorithm's Version History

The following versions were used after the official FOT started (subject #1 and after)

9.17 - If the driver were to depress the brake pedal or press the "Off" button of the cruise control when the downshift command was active, it could have caused the transmission to be "stuck" in third gear. This version fixed the problem.

9.18 - A ten-seconds countdown was displayed on the MMI to prompt the driver to wait between starting the car and driving, for the purpose of complete system initialization.

A more strict downshift requirement: the system had to be engaged and in a headway mode (a state where the commanded speed is lower than the set speed in order to accommodate a preceding vehicle); having just a "valid target" tracked by the sensor was not enough.

Provision to accommodate "flying passes": an upper limit was established (desired range + 45 meters) above which the system would not respond to targets.

Shorter downshift delays: when downshift conditions prevail, the system will actually command downshift after only 200 mSec (used to be 500). Once downshift commenced, the system would keep it for at least 800 mSec (was 3 sec.)

In the face of sluggish acceleration, an attempt was made in previous versions to add more "oompf" under high-gap conditions by commanding a speed higher than what was computed. this feature was canceled in this version due to its ineffectiveness.

9.19 - Fix error in low bound for "SetSpeed": 30 mph to engage (was 35 mph), and 25 mph to resume (was 30 mph).

Modify downshift delays: when downshift conditions prevail, downshift commenced after only 200 mSec (used to be 200), and it was kept for at least 1 sec (was 800 mSec.)

9.22 - Compute and collect in the data Vc (speed command to accommodate a preceding vehicle) even under CCC, when this Vc is not sent to the engine controller.

When coasting down, send (V-15) instead of Zero (could cause involuntary disengagement)

Initialize one of the “counting” variables to prevent premature indication of sensor error.,

Minimize the chance of a “false acceleration” when the algorithm “thinks” that the system is OFF by sending the current speed as a speed command (instead of a computed speed).

9.23 - Further minimize the chance of a “false acceleration” when the algorithm “thinks” that the system is OFF or STANDBY by commanding “coastdown”.

9.26 - Filter the speed input from the engine controller to avoid data “glitches” which might cause involuntary disengagement.

Allow for one-second glitches: above that period the system will accept the data as a valid speed information.

Send the filtered speed to the data collection (instead of the raw data from the engine).

9.27 - Instead of a general display of “99” on the MMI for system’s failure, a more “decipherable” display was incorporated:

- 99 — invalid vehicle data (or failed communication with the ECU)
- 98 — failed communication with the sensors
- 97 — the bit “ready” from the sensors is not set; sensors are inoperative
- 96 — if the conditions leading to either “98” or to “97” persist for more than 500 mSec
- 95 — failed communication with the gyro.

The algorithm checks the errors “top-down” (starting with the “99”), and it displays the first one it encounters.

F.2 Sensor's Software Versions

4.41 - The original version that came with ODIN 4

4.42 - Fixed the problem of “phantom” targets in 4.41. These phantom targets could appear if the sensor was to be powered-up with no target present. Also, this version had a new software driver for the chopper.

4.44 - The original chopper driver from 4.41 was restored (the driver in 4.42 had problems), while keeping the fix for "phantom" targets from 4.42.

F.3 Far Off Sensors

These were the inspection dates and the vehicle identifications for which the sensors were found excessively off alignment (more than 10 mm):

Car 0 —	3/17/97
	8/22/97
Car 1 —	6/23/97
Car 2 —	11/14/96
	5/21/97
	6/25/97
Car 3 —	5/29/97
Car 5 —	12/17/96
	8/20/97
Car 8 —	8/21/97
Car 9 —	3/12/97

F.4 Assignment Summary

Table F-1 provides a summary of all the drivers in terms of what car they drove, when they drove, and what were the versions of the system’s components.

Table F-1. Assignments summary

Driver	Vehicle	5 week?	Start Date	Start Mileage	End Date	End Mileage	Fuse Date	Sweep	Cut-in	Algorithm Version	Daq Version	Comments
1	0	0	7/31/96	0	8/12/96	0	8/6/96	4.41	4.41	9.17	1	No Video Capability -no GPS
2	3	0	7/31/96	0	7/31/96	0	8/6/96	4.41	4.41	9.17	1	Removed - No Video Capability - Rear End Accident
3	0	0	8/22/96	0	9/3/96	0	8/28/96	4.41	4.41	9.18	1	
4	1	0	8/23/96	0	9/3/96	0	8/29/96	4.41	4.41	9.18	1	
5	4	0	8/29/96	0	9/10/96	0	9/4/96	4.41	4.41	9.19	1	
6	2	0	8/30/96	0	9/11/96	0	9/5/96	4.41	4.41	9.19	1	
7	0	0	9/5/96	0	9/17/96	0	9/11/96	4.41	4.41	9.19	1	
8	1	0	9/6/96	0	9/18/96	0	9/12/96	4.41	4.41	9.19	1	
9	4	0	9/12/96	0	9/24/96	0	9/18/96	4.41	4.41	9.19	1	
10	2	0	9/13/96	0	9/25/96	0	9/19/96	4.41	4.41	9.19	1	
11	6	0	9/19/96	0	10/1/96	0	9/25/96	4.41	4.41	9.22	1	No Video - shorted camera cable
12	5	0	9/20/96	0	10/2/96	0	9/26/96	4.41	4.41	9.22	1	No Video - Camera power unplugged
13	0	0	9/20/96	0	10/2/96	0	9/26/96	4.41	4.41	9.22	1	
14	1	0	9/26/96	0	10/8/96	8175	10/2/96	4.42	4.42	9.22	1	V dropouts
15	2	0	9/27/96	0	10/9/96	4028	10/3/96	4.42	4.42	9.22	1	V dropouts
16	8	0	10/3/96	0	10/15/96	3380	10/9/96	4.42	4.42	9.23	1	Removed - Came in with sensor error

Table F-1. Assignments summary *(Cont.)*

Driver	Vehicle	5 week?	Start Date	Start Mileage	End Date	End Mileage	Fuse Date	Sweep	Cut-in	Algorithm Version	Daq Version	Comments
17	5	0	10/4/96	2389	10/16/96	2798	10/10/96	4.42	4.42	9.23	1	missing video - intermittent network?
18	0	0	10/4/96	12436	10/16/96	13253	10/10/96	4.42	4.42	9.23	1	
19	6	0	10/10/96	3126	10/22/96	3874	10/16/96	4.42	4.42	9.23	1	
20	1	0	10/17/96	8403	10/29/96	9111	10/23/96	4.41	4.42	9.26	2	
21	2	0	10/18/96	4448	10/30/96	5409	10/24/96	4.42	4.42	9.26	2	
22	8	0	10/18/96	3473	10/30/96	3936	10/24/96	4.41	4.42	9.26	2	
23	0	0	10/24/96	13312	11/5/96	13712	10/30/96	4.42	4.42	9.26	2	
24	6	0	10/25/96	3914	11/6/96	4600	10/31/96	4.42	4.42	9.26	2	
25	5	0	10/25/96	2868	11/6/96	3400	10/31/96	4.41	4.41	9.26	2	missing video - intermittent network?
26	4	0	10/31/96	5103	11/12/96	5733	11/6/96	4.41	4.41	9.26	2	
27	1	0	10/31/96	9145	11/12/96	9508	11/6/96	4.41	4.42	9.26	2	
28	9	0	11/1/96	3731		0	11/7/96	4.41	4.41	9.26	2	Removed - bad fuse & headlight switch
29	2	0	11/1/96	5443	11/13/96	5937	11/7/96	4.41	4.42	9.26	2	
30	0	0	11/7/96	13747	11/19/96	14701	11/13/96	4.44	4.42	9.27	2	
31	8	0	11/7/96	4196	11/19/96	4644	11/13/96	4.44	4.44	9.27	2	
32	6	0	11/8/96	4649	11/20/96	5148	11/14/96	4.44	4.44	9.27	2	
33	5	0	11/14/96	3711	11/26/96	4703	11/20/96	4.44	4.44	9.27	2	
34	1	0	11/15/96	9543	11/27/96	10846	11/21/96	4.44	4.44	9.27	2	
35	2	0	11/15/96	0	11/27/96	7152	11/21/96	4.44	4.44	9.27	2	
36	4	0	11/21/96	5783	12/3/96	6233	11/27/96	4.44	4.44	9.27	2	Removed - Too many in Cell
37	6	0	11/22/96	5175	12/4/96	5735	11/28/96	4.44	4.44	9.27	2	
38	5	0	11/29/96	4721	12/4/96	4993	11/28/96	4.44	4.44	9.27	2	

Table F-1. Assignments summary *(Cont.)*

Driver	Vehicle	5 week?	Start Date	Start Mileage	End Date	End Mileage	Fuse Date	Sweep	Cut-in	Algorithm Version	Daq Version	Comments
38	8	0	11/22/96	4691	11/29/96	4759	11/28/96	4.44	4.44	9.27	2	
39	1	0	1/21/97	13523	2/5/97	13968	1/27/97	4.44	4.44	9.27	3	
40	2	-1	1/28/97	7976	2/24/97	10905	1/28/97	4.44	4.44	9.27	3	
40	5	-1	1/22/97	5173	1/28/97	5360	1/28/97	4.44	4.44	9.27	3	Cold induced malfunction
41	6	0	1/29/97	5827	2/10/97	6598	2/4/97	4.44	4.44	9.27	3	
42	9	0	1/29/97	5088	2/10/97	5441	2/4/97	4.44	4.44	9.27	3	
43	5	0	2/10/97	6072	2/24/97	6614	2/16/97	4.44	4.44	9.27	3	
44	8	0	2/11/97	7164	2/25/97	8008	2/17/97	4.44	4.44	9.27	3	
45	1	0	2/15/97	14004	3/1/97	14670	2/21/97	4.44	4.44	9.27	3	
46	9	0	2/18/97	5497	3/5/97	5887	2/24/97	4.44	4.44	9.27	3	
47	6	0	2/26/97	6646	3/10/97	7331	3/4/97	4.44	4.44	9.27	3	
48	4	0	3/1/97	6866	3/15/97	7389	3/7/97	4.44	4.44	9.27	4	
49	2	0	3/3/97	10942	3/17/97	12243	3/9/97	4.44	4.44	9.27	4	
50	5	0	3/6/97	6665	3/18/97	7724	3/12/97	4.44	4.44	9.27	4	
51	8	0	3/13/97	8074	3/25/97	9549	3/19/97	4.44	4.44	9.27	4	ODIN Error trips 46-64
52	9	0	3/15/97	5920	3/29/97	7257	3/21/97	4.44	4.44	9.27	4	
53	0	0	3/20/97	15170	4/1/97	16713	3/26/97	4.44	4.44	9.27	4	Removed - Too many in Cell
54	1	0	3/20/97	14739	4/1/97	15898	3/26/97	4.44	4.44	9.27	4	
55	6	-1	3/21/97	7365	4/22/97	8508	3/27/97	4.44	4.44	9.27	4	
56	4	-1	3/28/97	7438	4/29/97	9830	4/3/97	4.44	4.44	9.27	4	
57	5	0	3/28/97	7819	4/9/97	8164	4/3/97	4.44	4.44	9.27	4	
58	1	0	4/3/97	15943	4/18/97	0	4/9/97	4.44	4.44	9.27	4	Removed - ebox error
59	9	0	4/3/97	7335	4/15/97	8129	4/9/97	4.44	4.44	9.27	4	
60	8	0	4/4/97	9586	4/16/97	9902	4/10/97	4.44	4.44	9.27	4	
61	2	0	4/4/97	13277	4/16/97	14484	4/10/97	4.44	4.44	9.27	4	

Table F-1. Assignments summary *(Cont.)*

Driver	Vehicle	5 week?	Start Date	Start Mileage	End Date	End Mileage	Fuse Date	Sweep	Cut-in	Algorithm Version	Daq Version	Comments
62	0	-1	4/11/97	16840	5/13/97	17975	4/17/97	4.44	4.44	9.27	4	
63	5	0	4/17/97	8212	4/29/97	9152	4/23/97	4.44	4.44	9.27	4	
64	9	0	4/17/97	8167	4/29/97	8686	4/23/97	4.44	4.44	9.27	4	
65	8	0	4/18/97	9939	4/30/97	10698	4/24/97	4.44	4.44	9.27	4	
66	2	-1	4/18/97	14519	5/20/97	16317	4/24/97	4.44	4.44	9.27	4	
67	1	0	4/25/97	16975	5/7/97	17569	5/1/97	4.44	4.44	9.27	4	
68	6	-1	4/25/97	8548	5/27/97	13002	5/1/97	4.44	4.44	9.27	4	
69	5	0	5/2/97	9192	5/14/97	9593	5/8/97	4.44	4.44	9.27	4	
70	4	-1	5/2/97	9865	6/3/97	10953	5/8/97	4.44	4.44	9.27	4	
71	9	0	5/2/97	8724	5/14/97	9574	5/8/97	4.44	4.44	9.27	4	Removed - recalled - intended 5wk but subject stopped driving
72	8	0	5/9/97	10948	5/21/97	11645	5/15/97	4.44	4.44	9.27	4	
73	1	-1	5/9/97	17613	6/10/97	23201	5/15/97	4.44	4.44	9.27	4	other driver on trips 64,66,121, 130,166,168,180(1200 miles)
74	7	0	5/10/97	4965	5/23/97	5237	5/16/97	4.44	4.44	9.27	4	
75	3	0	5/16/97	3598	5/28/97	5369	5/22/97	4.44	4.44	9.27	4	
76	5	-1	5/16/97	9640	6/17/97	12170	5/22/97	4.44	4.44	9.27	4	
77	2	-1	5/22/97	16351	6/23/97	17997	5/28/97	4.44	4.44	9.27	4	
78	8	-1	5/23/97	11680	6/24/97	13865	5/29/97	4.44	4.44	9.27	4	
79	0	-1	5/29/97	18467	6/30/97	19676	6/4/97	4.44	4.44	9.27	4	
80	6	0	5/29/97	13039	6/10/97	13908	6/4/97	4.44	4.44	9.27	4	
81	7	-1	5/30/97	5273	7/1/97	6880	6/5/97	4.44	4.44	9.27	4	
82	9	0	6/6/97	9681	6/18/97	10470	6/12/97	4.44	4.44	9.27	4	
83	3	0	6/6/97	5482	6/18/97	5716	6/12/97	4.44	4.44	9.27	4	
84	4	0	6/13/97	10987	6/25/97	11753	6/19/97	4.44	4.44	9.27	4	

Table F-1. Assignments summary *(Cont.)*

Driver	Vehicle	5 week?	Start Date	Start Mileage	End Date	End Mileage	Fuse Date	Sweep	Cut-in	Algorithm Version	Daq Version	Comments
85	6	-1	6/19/97	0	7/21/97	16953	6/25/97	4.44	4.44	9.27	4	
86	5	0	6/20/97	12217		0	6/26/97	4.44	4.44	9.27	4	Removed - Recalled - fuse & over temp
87	3	-1	6/20/97	5761	7/20/97	7763	6/26/97	4.44	4.44	9.27	4	
88	9	-1	6/20/97	10505	7/22/97	13011	6/26/97	4.44	4.44	9.27	4	
89	1	-1	6/26/97	23316	7/15/97	25662	7/2/97	4.44	4.44	9.27	4	trips 1-190 (182-190 had E-box Failure)
89	4	-1	7/15/97	12450	7/29/97	13355	7/2/97	4.44	4.44	9.27	4	starting with trip 200
90	8	-1	6/27/97	13909	7/29/97	15438	7/3/97	4.44	4.44	9.27	4	
91	2	0	7/3/97	18040	7/15/97	18744	7/9/97	4.44	4.44	9.27	4	
92	4	-1	7/4/97	11824	7/9/97	12298	7/10/97	4.44	4.44	9.27	4	trips 1-30 (13-30 had Cutin Failure)
92	7	-1	7/9/97	6942	8/5/97	7966	7/10/97	4.44	4.44	9.27	4	trips 31-
93	0	0	7/3/97	19733	7/15/97	20733	7/9/97	4.44	4.44	9.27	4	
94	5	0	7/10/97	13908	7/22/97	15554	7/16/97	4.44	4.44	9.27	4	High Temp. caused CPU restarts in trips 85-106, 113-127
95	0	0	7/17/97	20788	7/29/97	21160	7/23/97	4.44	4.44	9.27	4	

Table F-1. Assignments summary *(Cont.)*

Driver	Vehicle	5 week?	Start Date	Start Mileage	End Date	End Mileage	Fuse Date	Sweep	Cut-in	Algorithm Version	Daq Version	Comments
96	1	-1	7/17/97	25735	8/11/97	28122	7/23/97	4.44	4.44	9.27	4	
96	6	-1	8/11/97	19825	8/18/97	20875	7/23/97	4.44	4.44	9.27	4	Odin Error: trips 129-139,143,146-157
97	3	-1	7/25/97	7800	8/26/97	8878	7/31/97	4.44	4.44	9.27	4	
98	6	0	7/25/97	16991	8/6/97	19821	7/31/97	4.44	4.44	9.27	4	
99	4	-1	8/1/97	13395	9/2/97	17408	8/7/97	4.44	4.44	9.27	4	
100	9	-1	8/7/97	13067	9/8/97	15681	8/13/97	4.44	4.44	9.27	4	
101	0	0	8/8/97	21225	8/14/97	21610	8/14/97	4.44	4.44	9.27	4	Key switch problems - replaced by car 5
101	5	0	8/14/97	15921		0		4.44	4.44	9.27	4	Removed - Headlight switch failure
102	8	0	8/8/97	15479	8/20/97	15479	8/14/97	4.44	4.44	9.27	4	
103	7	0	8/8/97	8023	8/20/97	8663	8/14/97	4.44	4.44	9.27	4	
104	1	-1	8/14/97	28168	9/15/97	30156	8/20/97	4.44	4.44	9.27	4	
105	6	0	8/21/97	20928	9/2/97	22372	8/27/97	4.44	4.44	9.27	4	
106	5	0	8/22/97	16640	9/3/97	17410	8/28/97	4.44	4.44	9.27	4	
107	8	0	8/28/97	17213	9/9/97	18005	9/3/97	4.44	4.44	9.27	4	
108	7	0	8/28/97	8718	9/9/97	8718	9/3/97	4.44	4.44	9.27	4	
109	0	0	8/29/97	21903	9/10/97	23337	9/4/97	4.44	4.44	9.27	4	
110	3	0	9/4/97	8937	9/16/97	10038	9/10/97	4.44	4.44	9.27	4	
111	4	0	9/4/97	17445	9/16/97	18733	9/10/97	4.44	4.44	9.27	4	
112	6	0	9/5/97	22409	9/17/97	23145	9/11/97	4.44	4.44	9.27	4	
113	5	0	9/11/97	17457	9/23/97	18504	9/17/97	4.44	4.44	9.27	4	
114	7	0	9/11/97	9251	9/23/97	9970	9/17/97	4.44	4.44	9.27	4	

Table F-1. Assignments summary *(Cont.)*

Driver	Vehicle	5 week?	Start Date	Start Mileage	End Date	End Mileage	Fuse Date	Sweep	Cut-in	Algorithm Version	Daq Version	Comments
115	8	0	9/12/97	18041	9/24/97	18574	9/18/97	4.44	4.44	9.27	4	
116	9	0	9/12/97	15689	9/24/97	16172	9/18/97	4.44	4.44	9.27	4	
117	1	0	9/18/98	30193	9/30/97	31219	9/24/97	4.44	4.44	9.27	4	

DOT HS 808 849
May 1998

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