

Analysis of an Incentive-Based Smartphone App for Young Drivers (TTI-01-01) Dataset

Dataset available at: <https://doi.org/10.15787/VTTI/QNLEDZ>

(This dataset supports report **Analysis of an Incentive-Based Smartphone Application for Young Drivers**)

This U.S. Department of Transportation-funded dataset is preserved by the Virginia Tech Transportation Institute (VTTI) in their data repository (<https://dataverse.vtti.vt.edu/>), and is available at <https://doi.org/10.15787/VTTI/QNLEDZ>

The related final report **Analysis of an Incentive-Based Smartphone Application for Young Drivers**, is available from the National Transportation Library's Digital Repository at <https://rosap.ntl.bts.gov/view/dot/58705>

Metadata from the VTTI Repository record:

Description:

- **Project Description:** The dataset contains trip data obtained from an incentive-based smartphone application (app) developed by the Texas A&M Transportation Institute as part of the peer-to-peer safe driving program, Teens in the Driver Seat®. The main objective of the research was to explore the nature and prevalence of phone-motion related distraction of young drivers, under real-world conditions. The data collection period was April to June 2018.
- **Data Scope:** The dataset contains 8111 trip level observations from 138 young drivers (under 25 years). The drivers can be identified by their unique (anonymized) numbers. The dataset includes the demographic characteristics of the drivers and trip-related information, such as the occurrence of phone motion-related distraction and harsh driving events.
- **Data Specification:** Please see Data_elements.xlsx

Subject:

Engineering

Keyword:

Young Drivers, Distracted Driving, Naturalistic Driving Studies, Smartphone App, Teens in the Driver Seat

Recommended citation:

Henk, Russell H.; Munira, Sirajum; Tisdale, Stacey, 2021, "Analysis of an Incentive-Based Smartphone App for Young Drivers (TTI-01-01)", <https://doi.org/10.15787/VTTI/QNLEDZ>, VTTI, V2

Dataset description:

This dataset contains 1 .zip file collection below.

Analysis of an Incentive-Based Smartphone Application for Young Drivers_Data.zip:

The .zip file collection contains 1 .xlsx file and 1 .csv file described below.

- Data_elements.xlsx
- Appdata.csv

The .xlsx file is a Microsoft Excel file, which can be opened with Excel, and other free available software, such as OpenRefine.

The .csv, Comma Separated Value, file is a simple format that is designed for a database table and supported by many applications. The .csv file is often used for moving tabular data between two different computer programs, due to its open format. The most common software used to open .csv files are Microsoft Excel and RecordEditor, (for more information on .csv files and software, please visit <https://www.file-extensions.org/csv-file-extension>).

National Transportation Library (NTL) Curation Note:

As this dataset is preserved in a repository outside U.S. DOT control, as allowed by the U.S. DOT's Public Access Plan (<https://doi.org/10.21949/1503647>) Section 7.4.2 Data, the NTL staff has performed *NO* additional curation actions on this dataset. NTL staff last accessed this dataset at <https://doi.org/10.15787/VTT1/QNLEDZ> on 2022-01-10. If, in the future, you have trouble accessing this dataset at the host repository, please email NTLDataCurator@dot.gov describing your problem. NTL staff will do its best to assist you at that time.