README for "National Census of Ferry Operators (NCFO)" dataset.
Office of Survey Programs (OSP),
Bureau of Transportation Statistics (BTS),
U.S. Department of Transportation (USDOT)
2018-05-16
https://data.transportation.gov/Public-Transit/2016-National-Census-of-Ferry-Operators-Revised-03/w6v2-vk5z

This bts_osp_national_census_ferry_operators_2016_README_2018_05_16.txt file was generated on 20170929 by Laura Farley 0000-0002-9980-6850, National Transportation Library Fellow, laura.farley.ctr@dot.gov

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A. GENERAL INFORMATION
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0. Title of Dataset: National Census of Ferry Operators (NCFO)

1. Description of Dataset: The National Census of Ferry Operators (NCFO) is a census of all known ferry boat operations within the United States and its territories, encompassing the 50 States, Puerto Rico, the U.S. Virgin Islands, and the Commonwealth of the Northern Mariana Islands. In addition to ferry operations providing domestic service within the U.S. and its territories, operations providing services to or from at least one U.S. terminal are also included. Ferry operations included within the scope of the NCFO are those providing itinerant, fixed route, common carrier passenger and/or vehicle ferry service. Railroad car float operations are also included within the scope of the NCFO. Ferry operations that are exclusively non- itinerant, such as excursion services (e.g., whale watches, casino boats, day cruises, dinner cruises, etc.), passenger only water taxi services not operating on a fixed route, LoLo (Lift-on/Lift-off) freight/auto carrier services, or long distance passenger only cruise ship services are not included within the scope of the census.

2. Dataset homepage link: https://www.bts.dot.gov/surveys/national-census-ferry-operators-ncfo/national-census-ferry-operators-ncfo

3. Authorship Information
   Principal Data Creator or Data Manager Contact Information Name: Janine McFadden
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Organizational Contact Information Name: National Transportation Library Data Curator
Institution: National Transportation Library, Bureau of Transportation Statistics, U.S. Department of Transportation
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 Email: ntldatacurator@dot.gov

4. Date of data collection: 2016 (biennial census) April through November 2016

5. Geographic location of data collection: United States, Puerto Rico, the U.S. Virgin Islands, and the Commonwealth of the Northern Mariana Islands

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B. SHARING/ACCESS INFORMATION
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0. Recommended citation for the data:
  U.S. Department of Transportation, Bureau of Transportation Statistics, Office of Survey Programs. (2016, biennial census).
        National Census of Ferry Operators, 2016 [Data file type]. Archive/Source. [Accessed
        date from:] Persistent identifier or URL

From Socrata interface:
 U.S. Department of Transportation, Bureau of Transportation Statistics, Office of Survey Programs. (2016, biennial census).
        National Census of Ferry Operators, 2016 [Web interface]. data.transportation.gov . [Accessed
        date] from: https://data.transportation.gov/Public-Transit/2016-National-Census-of-Ferry-Operators-Revised-03/w6v2-vk5z

From BTS website:
U.S. Department of Transportation, Bureau of Transportation Statistics, Office of Survey Programs. (2016, biennial census).
        National Census of Ferry Operators, 2016. Bureau of Transportation Statistics. [Accessed
        date] from: https://www.bts.gov/product/highlights-2016-national-census-ferry-operators-ncfo

1. Licenses/restrictions placed on the data: BTS datasets are in the Public Domain.

2. Was data derived from another source?: Yes
        If yes, list source(s): United States Coast Guard Merchant Vessels of the United States (2017-02-08)

4. Links/relationships to ancillary data sets: The ancillary dataset specifically collected additional vessel characteristic data.

5. This dataset and its documentation was created and shared to meet the requirements enumerated in the U.S. Department of Transportation's "Plan to Increase Public Access to the Results of Federally-Funded Scientific Research" Version 1.1
<<https://www.transportation.gov/sites/dot.gov/files/docs/Official%20DOT%20Public%20Access%20Plan%20ver%201.1.pdf >> and guidelines suggested by the DOT Public Access website << https://ntl.bts.gov/publicaccess/ >>, in effect and current as of 2017-09-29.

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C. DATA FILE & RELATED FILES OVERVIEW
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1. File List
  A.1. Filename: bts_osp_national_census_ferry_operators_2016_FlatFile_2018_03_06.csv
                                     bts_osp_national_census_ferry_operators_2016_FlatFile_2018_03_06.xlsx
    Short description: The 2016 NCFO flat file combines all the data contained in the Operator, Vessel, Terminal,
    Segment and Operator Segment files into one relational file, aggregated by ferry segment.
    The data file size is 867 kb for .csv and 598 kb for .xlsx

  A.2. Filename: bts_osp_national_census_ferry_operators_2016_Operator_2017_10_26.csv
                                     bts_osp_national_census_ferry_operators_2016_Operator_2017_10_26.xlsx
    Short description: The Operator data table contains information about ferry operators and details about their
    operation.
    The data file size is 31 kb for .csv and 30 kb for .xlsx

  A.3. Filename: bts_osp_national_census_ferry_operators_2016_OperatorSegment_2018_03_06.csv
                                 bts_osp_national_census_ferry_operators_2016_OperatorSegment_2018_03_06.xlsx
    Short description: The Operator Segment data table contains information related to route segments such as ferry
    operators who provide service, segment length, average trip time, passenger volume, and season start and end
    dates.
    The data file size is 93 kb for .csv and 90 kb for .xlsx

  A.4. Filename: bts_osp_national_census_ferry_operators_2016_Segment_2017_10_26.csv
                                     bts_osp_national_census_ferry_operators_2016_Segment_2017_10_26.xlsx
    Short description: The Segment data table contains information about each route segment such as the terminals it
    connects, the type geographic area it serves, and whether it serves a National Park Service location.
    The data file size is 47 kb for .csv and 51 kb for .xlsx

  A.5. Filename: bts_osp_national_census_ferry_operators_2016_Terminal_2018_03_06.csv
                                     bts_osp_national_census_ferry_operators_2016_Terminal_2018_03_06.xlsx
    Short description: The Terminal data table contains information about ferry terminals, their location, and facilities.
    The data file size is 69 kb for .csv and 67 kb for .xlsx

  A.6. Filename: bts_osp_national_census_ferry_operators_2016_Vessel_2018_03_06.csv
                                     bts_osp_national_census_ferry_operators_2016_Vessel_2018_03_06.xlsx
    Short description: The Vessel data table contains information about ferry vessels such as the passenger and/or
    vehicle capacity, speed, and fuel type.
    The data file size is 91 kb for .csv and 111 kb for .xlsx

  B. Filename: bts_osp_national_census_ferry_operators_2016_README_2018_05_04.txt
    Short description:
    The README.txt file that includes human-readable information about the data, variable definitions, contact
     information, and other contextual information. The file you are reading now.

  C. Filename: bts_osp_national_census_ferry_operators_2016_Metadata_2017_05_04.json
    Short description:
    The machine-readable .json metadata file based on Project Open Data metadata schema v1.1.

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D. Filename: bts_osp_national_census_ferry_operators_2016_DMP_2017_10_26.txt
bts_osp_national_census_ferry_operators_2016_DMP_2017_10_26.pdf
bts_osp_national_census_ferry_operators_2016_DMP_2017_10_26.docx
   Short description:
   The human-readable data management plan associated with this dataset. Available in .txt, .pdf. and .docx formats

   E. Filename: bts_osp_national_census_ferry_operators_2016_FlatFile_Data_Dictionary_2018_03_06.txt
bts_osp_national_census_ferry_operators_2016_FlatFile_Data_Dictionary_2018_03_06.pdf
bts_osp_national_census_ferry_operators_2016_FlatFile_Data_Dictionary_2018_03_06.docx
   Short description:
The human-readable variations on the variables for the four (4) individual data tables (Operator, Vessel, Segment, and Operator Segment) sectioned by the individual data tables, to identify how they match with their general variable name and associated table. Available in .txt, .pdf. and .docx formats

   F. Filename: bts_osp_national_census_ferry_operators_2016_FlatFile_Errata_2018_03_06.txt
bts_osp_national_census_ferry_operators_2016_FlatFile_Errata_2018_03_06.pdf
bts_osp_national_census_ferry_operators_2016_FlatFile_Errata_2018_03_06.docx
Short description: List of incorrectly published data in the 2016 National Census of Ferry Operator (NCFO) Flat File that appears in the updated Revised 2016 NCFO Flat File. Available in .txt, .pdf. and .docx formats

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D. METHODOLOGICAL INFORMATION
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1. Description of methods used for collection/generation of data: The content of the questionnaire was originally established by the legislation requiring the data collection. The content was then reviewed and modified by the Office of Survey Programs using feedback from a number of DOT staff affiliated with the previous study. A draft of the questionnaire was reviewed by staff within the United States Maritime Administration (MARAD), the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), the American Association of State Highway and Transportation Officials (AASHTO), and the Passenger Vessel Association (PVA). In addition to those efforts, BTS conducted on site interviews with four ferry operators to get feedback on the 2010 form. The goal of these interviews was to make sure that the wording and layout of the questionnaires is easy to understand and complete. Additional changes were made to the 2014 form to bring the data collection in line with MAP-21 legislation (i.e., the NCFO database had to be consistent with ferry data collected by the Federal Transit Administration as outlined on their National Transit Database).

All known ferry operations are encouraged to participate in the NCFO. Since it is a census of establishments, each ferry operation is asked to select the person or persons within the operation who is most knowledgeable about the operation to complete the questionnaire. Thus, it is up to the operator to decide who the individual respondent will be. The Bureau of Transportation Statistics sends an initial mailing via USPS Priority or FedEx to each operator to invite them to take part in the NCFO.

In 2010 the initial mailing included a paper questionnaire and a cover letter that contained a web link to an online version of the questionnaire. Both versions of the questionnaire had many key fields pre-populated with data from the previous census since much of this data (e.g., vessel information, route information, etc.) may not change from year to year rather. BTS simply asked the operator to review the previous information for accuracy and either delete outdated information or add any new information that does not appear on their questionnaire.

A follow up reminder was sent out three weeks after the initial mailing that simply included a link to the web based questionnaire. A third and final mailing was sent three months later that included a second copy of the paper questionnaire. The remaining non-responders were then contacted by phone to ensure that they received their questionnaire and to determine if they need any assistance in completing the form. These phone calls were then

followed up with actions specific to the operator to gain cooperation. In 2014 a paper questionnaire was mailed to ferry operators, followed by follow up phone calls to non-responders. In some cases PDF versions of the questionnaire were sent to operators via email upon request.

2016 NCFO Questionnaire: https://www.bts.dot.gov/surveys/national-census-ferry-operators-ncfo/2016-ncfo-questionnaire

2. Methods for processing the data: The submitted data was collected on paper and recorded in Microsoft Access. The data was then exported into 5 separate Microsoft Excel spreadsheets. The final data was also imported in a single Socrata dataset.

3. Instrument- or software-specific information needed to interpret the data: The data is available in Microsoft Excel and Socrata.

4. Describe any quality-assurance procedures performed on the data: The data was reviewed for anomalies, skips, and incompleteness. Follow-up with respondents was made to attempt the collection of additional information or check a response.

5. People involved with sample collection, processing, analysis and/or submission: Janine McFadden (survey design, database design, mail-out, collection, processing, and analysis); Clara Reschovsky (mail-out, collection); Andrew Barrows (analysis, visualizations).

E. Data Dictionary & DATA-SPECIFIC INFORMATION FOR: Operator
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0. Notes on table structure: The Operators data table contains information about ferry operators and details about their operation.

1. Number of variables: 41

2. Number of cases/rows: 164

3. Each row represents: A ferry operator and associated information.

4. Data Dictionary/Variable List
   A. Name: OPERATOR_ID
        Full name: Operator ID
        Variable Definition or Description: A unique numeric identifier assigned to each ferry operator.
        Data format: numeric
        Field length: 4
        Coded values and their meanings [if appropriate]:
        Representation of null values [if appropriate]:

   B. Name: OPERATOR_NAME
        Full name: Operator Name
        Variable Definition or Description: The complete company name of the ferry operator.
        Data format: character
        Field length: 120

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C. Name: OP_STRCITY
    Full name: Operator City
    Variable Definition or Description: City for the ferry operator mailing address.
    Data format: character
    Field length: 40

D. Name: OP_STATE
    Full name: Operator State
    Variable Definition or Description: State within the United States or province for the ferry operator mailing address.
    Data format: character
    Field length: 2

E. Name: OP_STRZIP
    Full name: Operator Zip code
    Variable Definition or Description: Zip code for the ferry operator mailing address (5- or 9-digit).
    Data format: character
    Field length: 10

F. Name: URL
    Full name: URL
    Variable Definition or Description: Operator website.
    Data format: character
    Field length: 120
    Representation of null values [if appropriate]:

G. Name: OP_COUNTRY
    Full name: Operator Country
    Variable Definition or Description: Country for the ferry operator street address.
    Data format: character
    Field length: 40

H. Name: TICKET _REVENUE
    Full name: Ticket Revenue
    Variable Definition or Description: Percentage of annual revenues from individual purchased tickets or fares (including fare cards).
    Data format: numeric
    Field length: 5.2
    Representation of null values [if appropriate]:

I. Name: PRIVATE_CONTRACT_REVENUE
    Full name: Private Contract Revenue
    Variable Definition or Description: Percentage of annual revenues from private contracts payment.
    Data format: numeric
    Field length: 5.2
    Representation of null values [if appropriate]:

J. Name: ADVERTISING_REVENUE
      Full name: Advertising Revenue
      Variable Definition or Description: Percentage of annual revenues from advertising contracts payment.
      Data format: numeric
      Field length: 5.2

K. Name: PUBLIC_CONTRACT_REVENUE
      Full name: Public Contract Revenue
      Variable Definition or Description: Percentage of annual revenues from contracts with public agencies.
      Data format: numeric
      Field length: 5.2

L. Name: FEDERAL_FUNDING_REVENUE
      Full name: Federal Funding Revenue
      Variable Definition or Description: Percentage of annual revenues from direct public funding.
      Data format: numeric
      Field length: 5.2
      Representation of null values [if appropriate]:

M. Name: STATE_FUNDING_REVENUE
      Full name: State Funding Revenue
      Variable Definition or Description: Percentage of annual revenues from direct public funding.
      Data format: numeric
      Field length: 5.2
      Representation of null values [if appropriate]:

N. Name: LOCAL_FUNDING_REVENUE
      Full name: Local Funding Revenue
      Variable Definition or Description: Percentage of annual revenues from direct public funding.
      Data format: numeric
      Field length: 5.2
      Representation of null values [if appropriate]:

O. Name: FEDERAL_STATE_LOCAL
      Full name: Federal State or Local
      Variable Definition or Description: Completing the census on behalf of a federal, state or local govt. agency.
      Data format: numeric
      Field length: 1
      Coded values and their meanings: 0 - No, 1 – Yes
      Representation of null values [if appropriate]:

P. Name: PUB_FUND_TYPE_1
      Full name: Public Funding Type 1
      Variable Definition or Description: Public funding type 1, federal, state, or local funding.
      Data format: numeric
      Field length: 1
      Coded values and their meanings: 0 - Federal, 1 – State, 2 - Local
      Representation of null values [if appropriate]:

Q. Name: PUB_FUND_SOURCE_1
  Full name: Public Funding Source 1
  Variable Definition or Description: Name of public funding agency 1.
  Data format: character
  Field length: 150
  Representation of null values [if appropriate]:

R. Name: PUB_FUND_PROG_1
  Full name: Public Funding Program 1
  Variable Definition or Description: Name of public funding program 1.
  Data format: character
  Field length: 150
  Representation of null values [if appropriate]:

S. Name: PUB_FUND_TYPE_2
  Full name: Public Funding Source 2
  Variable Definition or Description: Public funding type 2, Federal, State, or Local
  Data format: numeric
  Field length: 1
  Coded values and their meanings: 0 - Federal, 1 – State, 2 - Local
  Representation of null values [if appropriate]:

T. Name: PUB_FUND_SOURCE_2
  Full name: Public Funding Source 2
  Variable Definition or Description: Name of public funding agency 2.
  Data format: character
  Field length: 150
  Representation of null values [if appropriate]:

U. Name: PUB_FUND_PROG_2
  Full name: Public Funding Program 2
  Variable Definition or Description: Name of public funding program 2.
  Data format: character
  Field length: 150
  Representation of null values [if appropriate]:

V. Name: PUB_FUND_TYPE_3
  Full name: Public Funding Type 3
  Variable Definition or Description: Public funding type 3, Federal, State, or Local
  Data format: numeric
  Field length: 1
  Coded values and their meanings [if appropriate]: 0 - Federal, 1 – State, 2 - Local
  Representation of null values [if appropriate]:

W. Name: PUB_FUND_SOURCE_3
  Full name: Public Funding Source 3
  Variable Definition or Description: Name of public funding agency 3.
  Data format: character
  Field length: 150
  Representation of null values [if appropriate]:

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X. Name: PUB_FUND_PROG_3
  Full name: Public Funding Program 3
  Variable Definition or Description: Name of public funding program 3.
  Data format: character
  Field length: 150
  Representation of null values [if appropriate]:

Y. Name: PUB_FUND_TYPE_4
  Full name: Public Funding Type 4
  Variable Definition or Description: Public funding type 4, Federal, State, or Local
  Data format: numeric
  Field length: 1
  Coded values and their meanings: 0 - Federal, 1 – State, 2 - Local
  Representation of null values [if appropriate]:

Z. Name: PUB_FUND_SOURCE_4
  Full name: Public Funding Source 4
  Variable Definition or Description: Name of public funding agency 4.
  Data format: character
  Field length: 150
  Representation of null values [if appropriate]:

AA. Name: PUB_FUND_PROG_4
  Full name: Public Funding Program 4
  Variable Definition or Description: Name of public funding program 4.
  Data format: character
  Field length: 150
  Representation of null values [if appropriate]:

AB. Name: PUB_FUND_TYPE_5
  Full name: Public Funding Type 5
  Variable Definition or Description: Public funding type 3, Federal, State, or Local
  Data format: numeric
  Field length: 1
  Coded values and their meanings [if appropriate]: 0 - Federal, 1 – State, 2 - Local
  Representation of null values [if appropriate]:

AC. Name: PUB_FUND_SOURCE_5
  Full name: Public Funding Source
  Variable Definition or Description: Name of public funding agency 5.
  Data format: character
  Field length: 150
  Representation of null values [if appropriate]:

AD. Name: PUB_FUND_PROG_5
  Full name: Public Funding Program
  Variable Definition or Description: Name of public funding program 5.
  Data format: character
  Field length: 150
  Representation of null values [if appropriate]:

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AE.   Name: PUB_FUND_TYPE_6
Full name: Public Funding Type 6
Variable Definition or Description: Public funding type 3, Federal, State, or Local
Data format: numeric
Field length: 1
Coded values and their meanings [if appropriate]: 0 - Federal, 1 – State, 2 - Local
Representation of null values [if appropriate]:

AF. Name: PUB_FUND_SOURCE_6
Full name: Public Funding Source
Variable Definition or Description: Name of public funding agency 6.
Data format: character
Field length: 150
Representation of null values [if appropriate]:

AG.   Name: PUB_FUND_PROG_5
Full name: Public Funding Program
Variable Definition or Description: Name of public funding program 6.
Data format: character
Field length: 150
Representation of null values [if appropriate]:

AH.   Name: PUB_FUND_TYPE_7
Full name: Public Funding Type 7
Variable Definition or Description: Public funding type 3, Federal, State, or Local
Data format: numeric
Field length: 1
Coded values and their meanings [if appropriate]: 0 - Federal, 1 – State, 2 - Local
Representation of null values [if appropriate]:

AI. Name: PUB_FUND_SOURCE_7
Full name: Public Funding Source
Variable Definition or Description: Name of public funding agency 7.
Data format: character
Field length: 150
Representation of null values [if appropriate]:

AJ.   Name: PUB_FUND_PROG_7
Full name: Public Funding Program
Variable Definition or Description: Name of public funding program 7.
Data format: character
Field length: 150
Representation of null values [if appropriate]:

AK. Name: PUB_FUND_TYPE_8
Full name: Public Funding Type 8
Variable Definition or Description: Public funding type 3, Federal, State, or Local
Data format: numeric
Field length: 1
Coded values and their meanings [if appropriate]: 0 - Federal, 1 – State, 2 - Local
Representation of null values [if appropriate]:

AL. Name: PUB_FUND_SOURCE_8
Full name: Public Funding Source
Variable Definition or Description: Name of public funding agency 7.
Data format: character
Field length: 150
Representation of null values [if appropriate]:

AM. Name: PUB_FUND_PROG_8
Full name: Public Funding Program
Variable Definition or Description: Name of public funding program 7.
Data format: character
Field length: 150
Representation of null values [if appropriate]:

AN. Name: SURVEYYEAR
Full name: Survey Year
Variable Definition or Description: Year of survey.
Data format: date (yyyy)
Field length: 4

F. Data Dictionary & DATA-SPECIFIC INFORMATION FOR: Vessel
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0. Notes on table structure: The Vessels data table contains information about ferry vessels such as USCG number, passenger and/or vehicle capacity, speed, and fuel type.

1. Number of variables:34

2. Number of cases/rows: 656

3. Each row represents: A ferry vessel and associated information.

A. Name: VESSEL_ID
Full name: Vessel ID
Variable Definition or Description: A unique numeric identifier assigned to each vessel.
Data format: numeric
Field length: 10

B. Name: OPERATOR_ID
Full name: Operator ID
Variable Definition or Description: Ferry Operator ID for operator of vessel.
Data format: numeric
Field length: 4
Coded values and their meanings: OPERATOR_ID corresponds with the same variable in the dataset Operator

C. Name: VESSEL_NAME
Full name: Vessel Name
Variable Definition or Description: The name of the vessel.
Data format: character
Field length: 40

D. Name: USCG_NUMBER
Full name: USCG Number
Variable Definition or Description: The official vessel number assigned by the United States Coast Guard (USCG).
Data format: numeric
Field length: 8

E. Name: IN_SERVICE
Full name: In Service
Variable Definition or Description: Indicates whether the vessel is service during the census year, no or yes.
Data format: numeric
Field length: 1
Coded values and their meanings: 0 - No, 1 – Yes

F. Name: CARRIES_PASSENGERS
Full name: Carries Passengers
Variable Definition or Description: Indicates whether the vessel carried passengers, no or yes.
Data format: numeric
Field length: 1
Coded values and their meanings: 0 - No, 1 – Yes

G. Name: CARRIES_VEHICLES
Full name: Carrier Vehicles
Variable Definition or Description: Indicates whether the vessel carried vehicles, no or yes.
Data format: numeric
Field length: 1
Coded values and their meanings: 0 - No, 1 – Yes

H. Name: CARRIES_FREIGHT
Full name: Carrier Freight
Variable Definition or Description: Indicates whether the vessel carried freight, no or yes.
Data format: numeric
Field length: 1
Coded values and their meanings: 0 - No, 1 – Yes

I.   Name: PASSENGER_CAPACITY
      Full name: Passenger Capacity
      Variable Definition or Description: Passenger capacity of the vessel.
      Data format: numeric
      Field length: 10

J.   Name: VEHICLE_CAPACITY
      Full name: Vehicle Capacity
      Variable Definition or Description: Vehicle capacity of the vessel.
      Data format: numeric
      Field length: 10

K.   Name: FUEL_TYPE
      Full name: Fuel Type
      Variable Definition or Description: Fuel type (Diesel, Gasoline, LNG, Electricity, Other)
      Data format: numeric
      Field length: 1
      Coded values and their meanings: 0 - Unknown, 1 - Diesel, 2 - Gasoline, 3 - LNG, 4 - Electric, 5 - Other

L.   Name: FUEL_OTHER
      Full name: Fuel Other
      Variable Definition or Description: Description of Other type of fuel.
      Data format: character
      Field length: 50
      Representation of null values [if appropriate]:

M.   Name: TYPICAL_SPEED
      Full name: Typical Speed
      Variable Definition or Description: Vessel Typical Operating Speed (in knots).
      Data units: knots
      Data format: numeric
      Field length: 5.2

N.   Name: YEAR_BUILT
      Full name: Year Built
      Variable Definition or Description: Year the vessel was built.
      Data format: date (yyyy)
      Field length: 4

O.   Name: MAINHORSEPOWERAHEAD
      Full name: Main Horsepower Ahead
      Variable Definition or Description: Measure of horsepower in the ahead direction (forward).
      Data units: horsepower (hp)
      Data format: numeric
      Field length: 7

P. Name: MAINHORSEPOWERASTERN
Full name: Main Horsepower Astern
Variable Definition or Description: Measure of horsepower in the astern direction (backwards).
Data units: horsepower (hp)
Data format: numeric
Field length: 7

Q. Name: HULLMATERIAL
Full name: Hull Material
Variable Definition or Description: Type of hull material, Unknown, Aluminum, Concrete, Fiberglass, Glass, Plastic (non-reinforced), Plastic (MSIS Legacy), Rubber, Steel, Wood,

Other.
Data format: numeric
Field length: 1
Coded values and their meanings: 0 - Unknown, 1 - Aluminum, 2 - Concrete, 3 - FRP (Fiberglass), 4 - Glass, 5 - Plastic (non-reinforced), 6 - Plastic - MSIS Legacy, 7 - Rubber, 8 - Steel, 9 - Wood, 10 - Other

R. Name: HULLSHAPE
Full name: Hull Shape
Variable Definition or Description: Shape of the vessel hull, Unknow, Box, Sail (Distinct Keel), Sail (Faired Keel), Ship, Unspecified
Data format: numeric
Field length: 1
Coded values and their meanings:0 - Unknown, 1 - Box, 2 - Sail (Distinct Keel), 3 - Sail (Faired Keel), 4 - Ship, 5 - Unspecified

S. Name: PROPULSIONTYPE
Full name: Propulsion Type
Variable Definition or Description: Propulsion type of the vessel, Unknown, Fixed Pitch Propeller, Controllable Pitch Prop, Water Jet, Cable, Auxiliary Sail, Combination Types, Diesel, Diesel Direct, Diesel Electric, Diesel Outdrive, Diesel Reduction, Electric Motor, Gas Turbine, Gasoline Engine, Gasoline Inboard, Gasoline Outboard, Inboard/Outboard, Jet Drive, Manual, Sail, Steam Reciprocating, Steam Turbine, Steam Turboelectric, Other, None, Unspecified
Data format: numeric
Field length: 1
Coded values and their meanings: 0 – Unknown, 1 - Fixed Pitch Propeller, 2 - Controllable Pitch Prop, 3 - Water Jet, 4 – Cable, 5 - Auxiliary Sail, 6 - Combination Types, 7 – Diesel, 8 - Diesel Direct, 9 - Diesel Electric, 10 - Diesel Outdrive, 11 - Diesel Reduction, 12 - Electric Motor, 13 - Gas Turbine, 14 - Gasoline Engine, 15 - Gasoline Inboard, 16 - Gasoline Outboard, 17 - Inboard/Outboard, 18 - Jet Drive, 19 – Manual, 20 – Sail, 21 - Steam Reciprocating, 22 - Steam Turbine, 23 - Steam Turboelectric, 24 – Other, 25 - None, 26 – Unspecified

T. Name: SELFPROPINDICATOR
Full name: Self-Propelled Indicator
Variable Definition or Description: Indicator if vessel is not self-propelled vessel self-propelled, or unknown.
Data format: numeric
Field length: 1
Coded values and their meanings: 0 - Vessel not self-propelled, 1 - Vessel self-propelled, 2 - Unknown

U. Name: REGISTERED_BREADTH
    Full name: Registered Breadth
    Variable Definition or Description: Registered breadth of the vessel, reported in units of feet to the nearest tenth.
    Data units: feet
    Data format: numeric
    Field length: 4.1

V. Name: REGISTERED_DEPTH
    Full name: Registered Depth
    Variable Definition or Description: Registered depth (draft) of the vessel, reported in units of feet to the nearest tenth.
    Data units: feet
    Data format: numeric
    Field length: 4.1

W. Name: REGISTERED_LENGTH
    Full name: Registered Length
    Variable Definition or Description: Registered length of the vessel, reported in units of feet to the nearest tenth.
    Data units: feet
    Data format: numeric
    Field length: 4.1

X. Name: REGISTERED_NET_TONS
    Full name: Registered Net Tons
    Variable Definition or Description: Registered net tons of the vessel.
    Data units: tons
    Data format: numeric
    Field length: 5

Y. Name: REGISTERED_GROSS_TONS
    Full name: Registered Gross Tons
    Variable Definition or Description: Registered gross tons of the vessel.
    Data units: tons
    Data format: numeric
    Field length: 5

Z. Name: VESSEL_OWNERSHIP
    Full name: Vessel Ownership
    Variable Definition or Description: Indicates if the ferry vessel is publicly owned, privately owned, or unknown
    Data format: numeric
    Field length: 1
    Coded values and their meanings [if appropriate]: 0 - Publicly Owned, 1- Privately Owned, 2 - Unknown

AA. Name: VESSEL_OWNED_BY
    Full name: Vessel Owned By
    Variable Definition or Description: Name of public agency who owns the vessel.
    Data format: character
    Field length: 150
    Representation of null values [if appropriate]:

AB. Name: VESSEL_OPERATION
Full name: Vessel Operation
Variable Definition or Description: Indicates if the ferry vessel is publicly operated, privately operated, or unknown.
Data format: numeric
Field length: 1
Coded values and their meanings [if appropriate]: 0 - Publicly Operated, 1- Privately Operated, 2 - Unknown:

AC. Name: VESSEL_OPERATED_BY
Full name: Vessel Operated By
Variable Definition or Description: Name of public agency or operates the vessel.
Data format: character
Field length: 150

AD. Name: FUEL_MILEAGE
Full name: Fuel Mileage
Variable Definition or Description: Fuel mileage of the vessel in nautical miles per gallon.
Data units: nautical miles
Data format: character
Field length: 10

AE. Name: ADA_ACCESSIBLE
Full name: ADA Accessible
Variable Definition or Description: Indicates whether the vessel is accessible to Americans with Disabilities (ADA), no or yes.
Data format: numeric
Field length: 1
Coded values and their meanings: 0 - No, 1 - Yes

AF. Name: ENGINE_LIFESPAN
Full name: Engine Lifespan
Variable Definition or Description: Lifespan of the vessel engine(s) in hours since last rebuild.
Data format: numeric
Field length: 7

AG. Name: CENSUS_YEAR_MILES
Full name: Census Year Miles
Variable Definition or Description: Nautical miles vessel traveled in census year.
Data units: nautical miles
Data format: numeric
Field length: 7

AH. Name: SURVEYYEAR
Full name: Survey Year
Variable Definition or Description: Year of the survey.
Data format: date (yyyy)
Field length: 4

G. Data Dictionary & DATA-SPECIFIC INFORMATION FOR: Terminal
----

0. Notes on table structure: The Terminals data table contains information about ferry terminals, their location, and facilities.

1. Number of variables:17

2. Number of cases/rows: 561

3. Each row represents: A ferry terminal and associated information.

    A.   Name: TERMINAL_ID
        Full name: Terminal ID
        Variable Definition or Description: A unique numeric identifier assigned to each ferry terminal.
        Data format: numeric
        Field length: 4

    B.   Name: TERMINAL_NAME
        Full name: Terminal Name
        Variable Definition or Description: Ferry terminal name.
        Data format: character
        Field length: 80

    C.   Name: TERM_CITY
        Full name: Terminal City
        Variable Definition or Description: City in which the ferry terminal is located.
        Data format: character
        Field length: 40

    D.   Name: TERM_STATE
        Full name: Terminal State
        Variable Definition or Description: State within the United States or province in which the ferry terminal is located.
        Data format: character
        Field length: 20

    E.   Name: TERM_COUNTRY
        Full name: Terminal Country
        Variable Definition or Description: Country in which the ferry terminal is located.
        Data format: character
        Field length: 30

    F.   Name: LATITUDE
        Full name: Latitude
        Variable Definition or Description: Position of the ferry terminal, in degrees of latitude.
        Data units: degrees
        Data format: numeric
        Field length: 10.5

G. Name: LONGITUDE
    Full name: Longitude
    Variable Definition or Description: Position of the ferry terminal, in degrees of longitude.
    Data units: degrees
    Data format: numeric
    Field length: 10.5

H. Name: PARKING
    Full name: Parking
    Variable Definition or Description: Indicates whether parking is available at the ferry terminal, Not available, Available, Unknown.
    Data format: numeric
    Field length: 1
    Coded values and their meanings: 0 - Not available, 1 - Available, 2 - Unknown

I. Name: LOCAL_BUS
    Full name: Local Bus
    Variable Definition or Description: Indicates whether local bus is available at the ferry terminal, Not available, Available, Unknown.
    Data format: numeric
    Field length: 1
    Coded values and their meanings: 0 - Not available, 1 - Available, 2 - Unknown

J. Name: INTERCITY_BUS
    Full name: Intercity Bus
    Variable Definition or Description: Indicates whether intercity bus is available at the ferry terminal, Not available, Available, Unknown.
    Data format: numeric
    Field length: 1
    Coded values and their meanings: 0 - Not available, 1 - Available, 2 - Unknown

K. Name: LOCAL_RAIL
    Full name: Local Rail
    Variable Definition or Description: Indicates whether local rail is available at the ferry terminal, Not available, Available, Unknown.
    Data format: numeric
    Field length: 1
    Coded values and their meanings: 0 - Not available, 1 - Available, 2 - Unknown

L. Name: INTERCITY_RAIL
    Full name: Intercity Rail
    Variable Definition or Description: Indicates whether intercity rail is available at the ferry terminal, Not available, Available, Unknown.
    Data format: numeric
    Field length: 1
    Coded values and their meanings: 0 - Not available, 1 - Available, 2 - Unknown

M. Name: TERMINAL_OWNERSHIP
    Full name: Terminal Ownership
    Variable Definition or Description: Indicates if the ferry vessel is publicly owned, privately owned, or unknown.
    Data format: numeric
    Field length: 1
    Coded values and their meanings: 0 - Publicly Owned, 1- Privately Owned, 2 - Unknown

N. Name: TERMINAL_OWNED_BY
    Full name: Terminal Owned By
    Variable Definition or Description: Name of public agency who owns the vessel.
    Data format: character
    Field length: 150

O. Name: TERMINAL_OPERATION
    Full name: Terminal Operation
    Variable Definition or Description: Indicates if the ferry vessel is publicly operated, privately operated, or unknown.
    Data format: numeric
    Field length: 1
    Coded values and their meanings: 0 - Publicly Owned, 1- Privately Owned, 2 - Unknown

P. Name: TERMINAL_OPERATED_BY
    Full name: Terminal Operated By
    Variable Definition or Description: Name of public agency or operates the vessel.
    Data format: character
    Field length: 150

Q. Name: SURVEYYEAR
    Full name: Survey Year
    Variable Definition or Description: Year of survey.
    Data format: date (yyyy)
    Field length: 4

H. Data Dictionary & DATA-SPECIFIC INFORMATION FOR: Segment
----

0. Notes on table structure: The Segments data table contains information about each route segment such as the terminals it connects, the type geographic area it serves, and whether it serves a National Park Service location.

1. Number of variables: 7

2. Number of cases/rows: 872

3. Each row represents: A route segment.

A. Name: SEGMENT_ID
    Full name: Segment ID
    Variable Definition or Description: Numeric identifier assigned to each ferry route segment.
    Data format: numeric
    Field length: 4

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B. Name: SEGMENT_NAME
Full name: Segment Name
Variable Definition or Description: Name of the segment.
Data format: character
Field length: 400

C. Name: SEG_TERMINAL1_ID
Full name: Segment Terminal 1 ID
Variable Definition or Description: The unique numeric identifier for the ferry terminal located at the start of the route segment.
Data format: numeric
Field length: 4

D. Name: SEG_TERMINAL2_ID
Full name: Segment Terminal 2 ID
Variable Definition or Description: The unique numeric identifier for the ferry terminal located at the end of the route segment.
Data format: numeric
Field length: 4

E. Name: SEG_TYPE
Full name: Segment Type
Variable Definition or Description: Indicates whether service on this segment is intrastate, interstate, or international.
Data format: numeric
Field length: 1
Coded values and their meanings: 1 – Intrastate, 2 – Interstate, 3 - International

F. Name: SERVES_NPS
Full name: Serves National Park System (NPS)
Variable Definition or Description: Indicates whether the segment serves a unit of the National Park System, no or yes.
Data format: numeric
Field length: 1
Coded values and their meanings: 0 - No, 1 - Yes

G. Name: SURVEYYEAR
Full name: Survey Year
Variable Definition or Description: Year of the Survey.
Data format: date (yyyy)
Field length: 4

I. Data Dictionary & DATA-SPECIFIC INFORMATION FOR: Operator Segment
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0. Notes on table structure: The data table contains information related to route segments such as ferry operators who provide service, segment length, average trip time, passenger volume, and season start and end dates.

1. Number of variables: 21

2. Number of cases/rows: 881

3. Each row represents: A route segment run by a particular ferry operator.

   A.   Name: OPERATOR_ID
        Full name: Operator ID
        Variable Definition or Description: ID of the Operator that provides service for the terminal.
        Data format: numeric
        Field length: 4
        Coded values and their meanings: OPERATOR_ID corresponds with the same variable in the dataset Operator

   B.   Name: SEGMENT_ID
        Full name: Segment ID
        Variable Definition or Description: A unique numeric identifier assigned to each ferry route segment.
        Data format: numeric
        Field length: 4
        Coded values and their meanings: SEGMENT_ID corresponds with the same variable in the dataset Segment

   C.   Name: SEG_LENGTH
        Full name: Segment Length
        Variable Definition or Description: Segment length in nautical miles.
        Data units: nautical miles
        Data format: numeric
        Field length: 10

   D.   Name: AVERAGE_TRIP_TIME
        Full name: Average Trip Time
        Variable Definition or Description: Average trip time for the segment in minutes.
        Data units: minutes
        Data format: numeric
        Field length: 5

   E.   Name: SEASON_START_MONTH
        Full name: Season Start Month
        Variable Definition or Description: The seasonal service start month.
        Data format: date (mm)
        Field length: 2

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F.   Name: SEASON_START_DAY
        Full name: Season Start Day
        Variable Definition or Description: The seasonal service start day.
        Data format: date (dd)
        Field length: 2

G.   Name: SEASON_END_MONTH
        Full name: Season End Month
        Variable Definition or Description: The seasonal service end month.
        Data format: date (mm)
        Field length: 2

H.   Name: SEASON_END_DAY
        Full name: Season End Day
        Variable Definition or Description: The seasonal service end day.
        Data format: date (dd)
        Field length: 2

I.   Name: ROUTE_RATES_REGULATED
        Full name: Route Rates Regulated
        Variable Definition or Description: Indicates if the rates are not regulated, regulated by a governing body, a government agency, state or local legislation, or unknown.
        Data format: numeric
        Field length: 1
        Coded values and their meanings: 0 - Not Regulated, 1 - Regulated, 2 - Unknown

J.   Name: ROUTE_RATE_REGULATOR
        Full name: Route Rate Regulator
        Variable Definition or Description: Name of agency or agencies which regulate fares.
        Data format: character
        Field length: 150

K.   Name: VESSEL1_NAME
        Full name: Vessel 1 Name
        Variable Definition or Description: Name of vessel used most often for the route.
        Data format: character
        Field length: 40

L.   Name: VESSEL1_ID
        Full name: Vessel 1 ID
        Variable Definition or Description: ID of vessel used most often for the route.
        Data format: numeric
        Field length: 10

M.   Name: VESSEL2_NAME
        Full name: Vessel 2 Name
        Variable Definition or Description: Name of vessel used most often for the route.
        Data format: character
        Field length: 40

N.   Name: Name: VESSEL2_ID
     Full name: Vessel 2 ID
     Variable Definition or Description: ID of vessel used most often for the route.
     Data format: numeric
     Field length: 10

O.   Name: VESSEL3_NAME
     Full name: Vessel 3 Name
     Variable Definition or Description: Name of vessel used most often for the route.
     Data format: character
     Field length: 40

P.   Name: Name: VESSEL3_ID
     Full name: Vessel 3 ID
     Variable Definition or Description: ID of vessel used most often for the route.
     Data format: numeric
     Field length: 10

Q.   Name: PASSENGERS
     Full name: Passengers
     Variable Definition or Description: Census year total passenger boardings.
     Data format: numeric
     Field length: 12
     Representation of null values [if appropriate]:

R.   Name: VEHICLES
     Full name: Vehicles
     Variable Definition or Description: Census year total vehicle boardings.
     Data format: numeric
     Field length: 12
     Representation of null values [if appropriate]:

S.   Name: AVG_DAILY_BRD_PAX
     Full name: Average Daily Boarding Passengers
     Variable Definition or Description: Average daily passenger boardings.
     Data format: numeric
     Field length: 10
     Representation of null values [if appropriate]:

T.   Name: AVG_DAILY_BRD_VEH
     Full name: Average Daily Boarding Vehicles
     Variable Definition or Description: Average daily vehicle boardings.
     Data format: numeric
     Field length: 10
     Representation of null values [if appropriate]:

U.   Name: SURVEYYEAR
     Full name: Survey Year
     Variable Definition or Description: Year of survey.
     Data format: date (yyyy)
     Field length: 4

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J. Data Dictionary & DATA-SPECIFIC INFORMATION FOR: Flatfile
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0. Notes on table structure: The data table contains information related to route segments such as ferry operators who provide service, segment length, average trip time, passenger volume, and season start and end dates.

1. Number of variables: 232

2. Number of cases/rows: 1067

3. Each row represents: The concatenated data from the Operator, Operator Segment, Segment, Terminal, and Vessel files, aggregated by the Ferry Segment

4. Each variable in the Flatfile is used in Operator, Operator Segment, Segment, Terminal, and Vessel files, and defined above.

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UPDATE LOG
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2017-10-04 updated the following sections: A. General Information; B. Sharing/Access Information; C. Data File and Related Files Overview
2017-10-26 Final publication information added, by Leighton L Christiansen 0000-0002-0543-4268 National Transportation Library
2018-05-04 Updated the following sections: C. Data File and Related Files Overview; E. Data Dictionary & Data-Specific Information for: Operator; F. Data Dictionary & Data-Specific Information for: Vessel; G. Data Dictionary & Data-Specific Information for: Terminal; H. Data Dictionary & Data-Specific Information for: Segment; I. Data Dictionary & Data-Specific Information for: Operator Segment; and J. Data Dictionary & Data-Specific Information for: Flatfile to reflect 2018-03-18 revisions to the NCFO data.
2018-05-18: Added title to document; moved Update Log to bottom of document; corrected file name at the top of the document; corrected typos throughout the document.