

Data Management Plan (DMP) for Truck Inventory and Use Survey (TIUS) 1977 Dataset

Bureau of Transportation Statistics (BTS),
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Change log:

2021-03-24: Initial DMP written

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0. Dataset and Contact Information

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U.S. Department of Transportation, Bureau of Transportation Statistics, National Transportation Library

Title of Dataset: Truck Inventory and Use Survey (TIUS) 1977 Dataset

URL: <https://doi.org/10.21949/1521114>

This is an initial DMP or a revised DMP.

Organizational Contact Information

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1. Data Description:

The Truck Inventory and Use Survey (TIUS) is one of the surveys included in the Census of Transportation. Its primary purpose is to collect and publish data on the physical and operational characteristics of the Nation's truck resources. The 1977 TIUS Survey is based on a stratified probability sample of about 117,000 trucks, drawn from an estimated 28 million registrations on file with motor vehicle departments in the 50 States and the District of Columbia during 1977. For sampling purposes, the States are divided into three groups based on the

total number of trucks registered annually, and two vehicle size strata are formed based on body type (small= pickups, panels, vans: large= all others) as shown by the motor vehicle registration record. Individual trucks are sampled and expanded back to the State level. Vehicles owned by Federal, State, and local governments, as well as ambulances, buses, and motor homes, are eliminated from the sample before questionnaires are mailed. Various other vehicles which are actually surveyed are subsequently classified as "out-of-scope": trucks sold prior to 1977, farm tractors, open jeep models, unpowered trailer units, trucks reported to have been junked or wrecked prior to the registration year, etc. For the first time, however, certain small utility-type vehicles built on pickup and van chassis are included in the sample. Many States allow pickups and small vans to be registered as cars or trucks: therefore, the passenger car files are searched, and any such trucks are included in the sample universe. Some privately or commercially owned vehicles do not have to be licensed, such as "off-highway" trucks used exclusively on private property, and since they had no chance of being drawn in the sample, they are not covered in the survey.

The survey was first conducted in 1963. It has since been conducted every 5 years as part of the economic census. Title 13 of the United States Code (Sections 131, 191, and 224) directs the U.S. Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

2. Standards Employed:

The data files collected here are saved in the ubiquitous and common .csv file format.

As the files created for this ingest were migrations from the original format SAS, each data file name includes a date and time stamp indicating when the .csv was created.

Documentation will include this data management plan, and the metadata and readme files created in 2021. Documentation will also include the variable definitions, tables, data dictionary, and relevant supporting files created alongside the data from 1977.

A Project Open Data Version 1.1 .json metadata file will be created to describe the archival location of this data, and that .json file will be uploaded to data.gov and transportation.data.gov

Necessary software tools: The file formats found in the zip files include: .txt files and .csv files, which can be opened using any text editor; .xls files, which can be opened with Microsoft Excel, and other free available software, such as OpenRefine; .json files, which can be opened in text editors or xml editors; and, .pdf files which can be opened with PDF readers.

3. Access Policies:

These data files are in the public domain, and can be shared without restriction. The data files contain no sensitive information.

4. Re-Use, Redistribution, and Derivative Products Policies:

These data are managed by the Bureau of Transportation Statistics. The data are in the public domain, and may be re-use without restriction.

Citation of the data is appreciated. Please use the following recommended citation:

U.S. Department of Transportation, Bureau of Transportation Statistics. (1977). Truck Inventory and Use Survey (TIUS) 1977 [datasets]. <https://doi.org/10.21949/1521114>

5. Archiving and Preservation Plans:

The dataset will be archived in the National Transportation Library Repository and Open Science Access Portal (ROSA P). Prior to archiving, the data are stored on the secured BTS networks and drives, which are backed up nightly. The US DOT systems are secured from outside users and backed up daily.

Files in ROSA P are backed up in NTL drives at US DOT, daily; at the Centers for Disease Control, the repository managing facility, daily; and in Amazon Web Service Cloud servers in Virginia and Oregon daily.

The dataset will be retained in perpetuity.

NTL staff will mint persistent Digital Object Identifiers (DOIs) for each dataset stored in ROSA P. These DOIs will be associated with dataset documentation as soon as they become available for use.

The DOIs associated with this dataset include: <https://doi.org/10.21949/1521114>

The assigned DOI resolves to the repository landing page for the “Truck Inventory and Use Survey (TIUS) 1977” dataset, so that users may locate associated metadata and supporting files.

ROSA P meets all the criteria outlined on the “Guidelines for Evaluating Repositories for Conformance with the DOT Public Access Plan” page: <https://ntl.bts.gov/publicaccess/evaluatingrepositories.html>

6. Policies Affecting this Data Management Plan

This data management plan was created 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://doi.org/10.21949/1520559> >> and guidelines suggested by the DOT Public Access website << <https://doi.org/10.21949/1503647> >>, in effect and current as of December 03, 2020.