

Data Management Plan (DMP) for “Commodity Flow Survey (CFS) 1997 [Supporting Datasets]

Bureau of Transportation Statistics (BTS),
U.S. Department of Transportation (USDOT)
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Change log:

2021-03-03: 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: Commodity Flow Survey (CFS) 1997 [Supporting Datasets]

URL: <https://doi.org/10.21949/1520914>

This is an ☒ initial DMP or a ☐ revised DMP.

Organizational Contact Information

Name: Commodity Flow Survey

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1. Data Description:

The Commodity Flow Survey (CFS), a component of the Economic Census, is conducted every five years by the U.S. Census Bureau in partnership with the U.S. Department of Transportation’s Bureau of Transportation Statistics. The CFS is a shipper survey of approximately 100,000 establishments from the industries of mining, manufacturing, wholesale trade, auxiliaries (i.e. warehouses and distribution centers), and select retail and service trade industries that ship commodities. Data requested by the CFS includes the type of commodities shipped, their origin and destination, their value and weight, and mode(s) of transport. The CFS provides a

comprehensive multimodal picture of national freight flows and represents the only publicly available source of data for the highway mode. Results from the CFS are used to analyze trends in the movement of goods, mapping spatial patterns of commodity and vehicle flows, forecasting demands for the movement of goods, and for guiding management and investment decisions on transportation infrastructure.

This record contains the data for the 1997 CFS. There has been a significant change in how the digital data tables are arranged between 1993 and 1997. Please see 1997 Reports for complete details on differences. Associated reports can be found by searching “Commodity Flow Survey 1997” in the Repository & Open Science Access Portal (ROSA P) at: <https://doi.org/10.21949/1398953>

2. Standards Employed:

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

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 1997.

A DCAT-US v1.1 (Project Open Data Metadata Schema 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; .xlsx 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. (1997). Commodity Flow Survey (CFS) 1997 [Supporting Datasets]. <https://doi.org/10.21949/1520914>

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/10.21949/1520914>

The assigned DOI resolves to the repository landing page for the “Commodity Flow Survey (CFS) 1997”

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 March 03, 2021.