

**README for “Commodity Flow Survey (CFS) 1997” supporting datasets.**  
Bureau of Transportation Statistics (BTS), U.S. Department of Transportation (USDOT)  
2021-03-03

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**LINKS TO DATASET**

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A. Dataset archive link:

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

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**SUMMARY OF DATASET**

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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>

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## A. GENERAL INFORMATION

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### 0. Title of Dataset:

Commodity Flow Survey (CFS) 1997 [supporting datasets]

### 1. Description of Dataset:

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.

### 2. Dataset archive link:

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

### 3. Authorship Information:

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Institution: Bureau of Transportation Statistics, U.S.

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Bureau of Transportation Statistics, U.S. Department of Transportation  
Address: 1200 New Jersey Ave SE, Washington D.C. 20590  
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4. Date of data collection and update interval:  
1997

5. Geographic location of data collection:  
United States of America

6. Information about funding sources that supported the collection of the data:  
Bureau of Transportation Statistics, U.S. Department of Transportation

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**B. SHARING/ACCESS & POLICIES INFORMATION**  
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0. Recommended citation for the data:  
U.S. Department of Transportation, Bureau of Transportation Statistics. (1997). Commodity Flow Survey (CFS) 1997 [Supporting Datasets]. <https://doi.org/10.21949/1520914>

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

2. Was data derived from another source?:  
No.

3. This dataset and its documentation was created and shared to meet the requirements enumerated in the U.S. 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.

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## C. DATA & RELATED FILE OVERVIEW

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1. **File List** for the CFS\_1997\_DATA folder. The data files are divided into 6 folders under the categories: Exports; Hazardous\_Materials; Metropolitan\_Areas; Region\_Division; States; and, United\_States. There are 108 data tables in total.

For more details on the data in each individual table, please see README Section **E. DATA-SPECIFIC INFORMATION** near the end of this README.

### A. Filename: Exports Folder

1. CFS\_EXP\_EX1\_1997.csv
2. CFS\_EXP\_EX2\_1997.csv
3. CFS\_EXP\_EX3\_1997.csv
4. CFS\_EXP\_EX4\_1997.csv
5. CFS\_EXP\_EX5\_1997.csv
6. CFS\_EXP\_EX6\_1997.csv
7. CFS\_EXP\_EX7\_1997.csv
8. CFS\_EXP\_EX8\_1997.csv

### Short description:

ZIP folders and CSV files (with matching names) that contains the survey data that was collected for 1997, focused on exports..

### B. Filename: Hazardous\_Materials Folder

1. CFS\_HAZ\_H1\_1997.csv
2. CFS\_HAZ\_H2\_1997.csv
3. CFS\_HAZ\_H3\_1997.csv
4. CFS\_HAZ\_H4\_1997.csv
5. CFS\_HAZ\_H7\_1997.csv
6. CFS\_HAZ\_H9A\_1997.csv
7. CFS\_HAZ\_H9B\_1997.csv
8. CFS\_HAZ\_H10A\_1997.csv
9. CFS\_HAZ\_H10B\_1997.csv
10. CFS\_HAZ\_H10C\_1997.csv
11. CFS\_HAZ\_H11A\_1997.csv
12. CFS\_HAZ\_H11B\_1997.csv
13. CFS\_HAZ\_H11C\_1997.csv
14. CFS\_HAZ\_H12\_1997.csv
15. CFS\_HAZ\_H13\_1997.csv
16. CFS\_HAZ\_H14\_1997.csv
17. CFS\_HAZ\_H51\_1997.csv
18. CFS\_HAZ\_H52\_1997.csv
19. CFS\_HAZ\_H61\_1997.csv
20. CFS\_HAZ\_H62\_1997.csv
21. CFS\_HAZ\_H81\_1997.csv
22. CFS\_HAZ\_H82\_1997.csv

23. CFS\_HAZ\_H83\_1997.csv
24. CFS\_HAZ\_H84\_1997.csv
25. CFS\_HAZ\_H85\_1997.csv
26. CFS\_HAZ\_H86\_1997.csv
27. CFS\_HAZ\_H851\_1997.csv

Short description:

Zip folders and CSV files (with matching names) that contains the survey data that was collected for 1997, focused on the hazardous materials.

C. Filename: Metropolitan\_Areas Folder

1. CFS\_MAROS\_MASC1\_1997.csv
2. CFS\_MAROS\_MASC2\_1997.csv
3. CFS\_MAROS\_MASC3\_1997.csv
4. CFS\_MAROS\_MASC4\_1997.csv
5. CFS\_MAROS\_MASC5\_1997.csv
6. CFS\_MAROS\_MASC6\_1997.csv
7. CFS\_MAROS\_MASC7\_1997.csv
8. CFS\_MAROS\_MASC8\_1997.csv
9. CFS\_MAROS\_RASC1\_1997.csv
10. CFS\_MAROS\_RASC2\_1997.csv
11. CFS\_MAROS\_RASC3\_1997.csv
12. CFS\_MAROS\_RASC4\_1997.csv
13. CFS\_MAROS\_RASC5\_1997.csv
14. CFS\_MAROS\_RASC6\_1997.csv
15. CFS\_MAROS\_RASC7\_1997.csv
16. CFS\_MAROS\_RASC8\_1997.csv

Short description:

ZIP folder and CSV files (with matching name) that contains the survey data that was collected for 1997, focused on metropolitan area data.

D. Filename: Region\_Division Folder

1. CFS\_REGDIV\_DASC1\_1997.csv
2. CFS\_REGDIV\_DASC2\_1997.csv
3. CFS\_REGDIV\_DASC3\_1997.csv
4. CFS\_REGDIV\_DASC4\_1997.csv
5. CFS\_REGDIV\_DASC5\_1997.csv
6. CFS\_REGDIV\_DASC6\_1997.csv
7. CFS\_REGDIV\_DASC7\_1997.csv
8. CFS\_REGDIV\_DASC8\_1997.csv
9. CFS\_REGDIV\_DASC9\_1997.csv
10. CFS\_REGDIV\_DASC10\_1997.csv
11. CFS\_REGDIV\_RASC1\_1997.csv
12. CFS\_REGDIV\_RASC2\_1997.csv
13. CFS\_REGDIV\_RASC3\_1997.csv
14. CFS\_REGDIV\_RASC4\_1997.csv
15. CFS\_REGDIV\_RASC5\_1997.csv

16. CFS\_REGDIV\_RASC6\_1997.csv
17. CFS\_REGDIV\_RASC7\_1997.csv
18. CFS\_REGDIV\_RASC8\_1997.csv
19. CFS\_REGDIV\_RASC9\_1997.csv
20. CFS\_REGDIV\_RASC10\_1997.csv

Short description:

ZIP folder and CSV files (with matching name) that contains the survey data that was collected for 1997, focused on region and division of the United States data.

#### E. Filename: States Folder

1. CFS\_STATES\_TBL1\_1997.csv
2. CFS\_STATES\_TBL2\_1997.csv
3. CFS\_STATES\_TBL3\_1997.csv
4. CFS\_STATES\_TBL4\_1997.csv
5. CFS\_STATES\_TBL5\_1997.csv
6. CFS\_STATES\_TBL6\_1997.csv
7. CFS\_STATES\_TBL7\_1997.csv
8. CFS\_STATES\_TBL8\_1997.csv
9. CFS\_STATES\_TBL9\_1997.csv
10. CFS\_STATES\_TBL10\_1997.csv
11. CFS\_STATES\_TBL11\_1997.csv
12. CFS\_STATES\_TBL12\_1997.csv
13. CFS\_STATES\_TBL13\_1997.csv
14. CFS\_STATES\_TBL14\_1997.csv
15. CFS\_STATES\_TBL15\_1997.csv
16. CFS\_STATES\_TBL16\_1997.csv
17. CFS\_STATES\_TBL17\_1997.csv

Short description:

ZIP folders and CSV files (with matching names) that contains the survey data that was collected for 1997, focused on state data.

#### F. Filename: United States

1. CFS\_US\_ASC1\_1997.csv
2. CFS\_US\_ASC2\_1997.csv
3. CFS\_US\_ASC3\_1997.csv
4. CFS\_US\_ASC4\_1997.csv
5. CFS\_US\_ASC5\_1997.csv
6. CFS\_US\_ASC6\_1997.csv
7. CFS\_US\_ASC7\_1997.csv
8. CFS\_US\_ASC8\_1997.csv
9. CFS\_US\_ASC9\_1997.csv
10. CFS\_US\_ASC10\_1997.csv
11. CFS\_US\_ASC11\_1997.csv
12. CFS\_US\_ASC12\_1997.csv
13. CFS\_US\_ASC13\_1997.csv
14. CFS\_US\_ASC14\_1997.csv

15. CFS\_US\_ASC15\_1997.csv
16. CFS\_US\_ASCB1\_1997.csv
17. CFS\_US\_ASCB2\_1997.csv
18. CFS\_US\_ASCB3\_1997.csv
19. CFS\_US\_ASCB4\_1997.csv
20. CFS\_US\_ASCB5\_1997.csv

Short description:

ZIP folder and CSV files (with matching names) that contains the survey data that was collected for 1997, focused on the national level.

## 2. File List for the CFS\_1997\_Documentation folder.

F. Filename:

bts\_commodity\_flow\_survey\_CFS\_1997\_DMP.txt

Short description:

A PDF file containing the Data Management Plan that was created for current and future management of the data and associated files.

G. Filename:

bts\_commodity\_flow\_survey\_CFS\_1997\_DMP.pdf

Short description:

A PDF file containing the Data Management Plan that was created for current and future management of the data and associated files.

H. Filename:

bts\_commodity\_flow\_survey\_CFS\_1997\_README.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, either in PDF or txt form.

I. Filename:

bts\_commodity\_flow\_survey\_CFS\_1997\_README.pdf

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, either in PDF or txt form.

J. Filename:

bts\_commodity\_flow\_survey\_CFS\_1997\_Master\_Data\_Dictionary.csv

Short description: Master data dictionary that captures all variables and their definitions used across the 108 tables in the DATA folder.

Note: Please note, there are a number of variables that have the same semantic meaning, but have differently spelled or abbreviated names across the tables. There are also definitions or descriptions that have the same meaning, but used for variables with different names or labels. This is bad practice. However, it is an artefact of the fact that each of the 108 tables was created to stand alone, without thought of interoperability. The data curator has NOT attempted to correct these errors. For clarity, please see the table-level data dictionary PDF in the folder Data\_Dictionaries\_by\_Table\_from\_TranStats, described below.

K. Filename:

bts\_commodity\_flow\_survey\_CFS\_1997\_Metadata.json

Short description:

The machine-readable .json metadata file based on DCAT-US Schema v1.1 ( Project Open Data Metadata schema) <https://resources.data.gov/resources/dcat-us/>

L. Folder name:

CFS\_1997\_Supporting\_Files: Contains Lookup Tables, and table-specific data dictionaries.

1. CFS\_SCTG\_4Digit\_LookupTable.csv: Standard Classification of Transported Goods 4-digit codes lookup table.

2. CFS\_SCTG\_3Digit\_LookupTable.csv: Standard Classification of Transported Goods 3-digit codes lookup table.

3. CFS\_SCTG\_2Digit\_LookupTable.csv: Standard Classification of Transported Goods 2-digit codes lookup table.

4. CFS\_REGION\_DIVISION\_LookupTable.csv: Lookup tables that describes the 4 United States “Regions”: Midwest, Northeast, South, and West, including the Regional Divisions.

5. CFS\_DIVISION\_STATE\_LookupTable.csv: Lookup tables that the 9 regional Divisions of the United States, and lists the state abbreviations for the states that belong to each Division.

6. CFS\_1997\_STATE\_FIPS\_LookupTable.csv: Lookup table that lists the Federal Information Processing Standard (FIPS) code assigned to each state

7. CFS\_1997\_STATE\_ABR\_LookupTable.csv: A list of United States state abbreviations used in the CFS data.

8. CFS\_1997\_MAROS\_LookupTable\_MarosID.csv: List of alpha-numeric metropolitan area codes and a description of the area by city name(s).

9. CFS\_1997\_Terms\_and\_Abbreviations\_Glossary.csv: Table with explanations of frequently used terms, abbreviations, and symbols in data tables. See also README Section **E. DATA-SPECIFIC INFORMATION** near the end of this README.

10. Data\_Dictionaries\_by\_Table\_from\_TranStats (Folder): Contains PDF screen captures of the table-specific data dictionaries, as they appeared in the BTS TranStats database web interface, on the date of preservation.

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**D. METHODOLOGICAL INFORMATION**  
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1. Description of methods used for collection/generation of data:

**SAMPLE DESIGN, DATA COLLECTION, AND ESTIMATION**

**INTRODUCTION**

The primary goal for the 1997 Commodity Flow Survey (CFS) is to estimate shipping volumes (value, tons, and ton-miles) by commodity and mode of transportation at varying levels of geographic detail. A detailed description of the sample design for the 1997 CFS is provided below.

## **SAMPLE DESIGN**

The sample for the 1997 CFS is selected using a stratified three-stage design in which the first-stage sampling units are establishments, the second-stage sampling units are groups of four 1-week periods (reporting weeks) within the survey year, and the third-stage sampling units are shipments.

### **First Stage**

To create the first-stage sampling frame, we extracted a subset of establishment records from the 1995 Standard Statistical Establishment List (SSEL). The SSEL is a database, maintained by the Bureau of the Census, that contains a record for each establishment with employees. (An establishment is a single physical location where business transactions take place.) Establishments having nonzero payroll in 1994 and classified in the mining, manufacturing, wholesale, or selected retail industries, as defined by the 1987 Standard Industrial Classification (SIC) Manual, are included on the sampling frame. Auxiliary establishments (e.g. warehouses and central administrative offices) with shipping activity are also included. Auxiliary establishments are establishments that are primarily involved in rendering support services for other establishments within the same company, instead of for the public, government, or other business firms. All other establishments contained on the sampling frame are referred to as nonauxiliary establishments. For each establishment we extracted sales, payroll, number of employees, name and address information, as well as a primary identifier. We also computed a measure of size for each establishment. The measure of size for a particular establishment is designed to approximate the establishment's total value of shipments for 1994.

To reduce the amount of sampling variability and because estimates are desired for each commodity, we used a stratified design with a certainty component for each three-digit SIC. To accomplish this, each establishment on the sampling frame is classified into a three-digit SIC grouping. For each group of establishments, a boundary (or cutoff) that divides the certainty establishments from the noncertainty establishments is determined using the Lavallee-Hidioglou algorithm. If an establishment's measure of size is greater than the cutoff, the establishment is selected "with certainty". Establishments selected "with certainty" were assured of being selected and represented only themselves (i.e., have a selection probability of one and a sampling weight of one). No certainty cutoffs are set for auxiliary establishments because they only make up a small portion of the estimated total value of shipments for all establishments on the sampling frame.

Establishments not selected with certainty makeup the noncertainty universe. We stratify the noncertainty universe by SIC recode, National Transportation Analysis Region (NTAR), and a flag used to differentiate auxiliary establishments from nonauxiliary establishments. Each SIC recode is constructed from a group of related three-digit SIC codes. The NTARs, developed by the Department of Transportation as combinations of Bureau of Economic Analysis (BEA) Areas, collectively provide a mutually exclusive and exhaustive coverage of the United States. Finally, the auxiliary stratification came about because establishments with different types of operation may have different shipping practices. We refer to a particular SIC recode- NTAR-auxiliary flag combination as a primary stratum.

We further stratify the noncertainty establishments within each primary stratum using the measure of size previously described. We refer to these measure-of-size strata as substrata of the primary strata. The measure of size stratification increases the efficiency of the sample design. The Dalenius-Hodges cumulative rule is used to set the substratum boundaries. We then use Neyman allocation to determine the sample size required within each substratum to meet a coefficient of variation constraint on the primary stratum total measure of size. Within each substratum, a simple random sample of establishments is selected without replacement.

To arrive at the final sample size, we allocated additional establishments to some of the strata so that the probability of selecting any establishment is no less than 1 in 100. In total, the first-stage sample comprises 102,739 establishments.

## **Second Stage**

The frame for the second stage of sampling consists of 52 one-week reporting periods (reporting weeks) during the interval from December 29, 1996, to December 26, 1997. Each establishment selected for the 1997 CFS was systematically assigned to report for a group of four reporting weeks throughout the survey year. The four reporting weeks in a given group are separated by 12 weeks. For example, an establishment might be requested to report data for the 5th, 18th, 31st, and 44th weeks of the survey year.

## **Third Stage**

For each of the four reporting weeks in which an establishment is asked to report, we request the respondent to construct a sampling frame that consists of all shipments made by their establishment in each particular reporting week. For any particular reporting week, if an establishment makes 40 or fewer shipments during that week, we ask the respondent to provide information about all of their establishment's shipments from that week, i.e., no sampling is required. For establishments making more than 40 shipments in a given reporting week, we ask the respondent to select a systematic sample of these shipments and to provide us with information only about the selected shipments. The size of a particular respondent's sample for a given reporting week should be between 20 and 40 shipments, depending on the total number of shipments the establishment made during that reporting week.

## **DATA COLLECTION**

Each establishment selected into the CFS sample is mailed a questionnaire for each of its four reporting weeks. For a given establishment, we request the respondent to provide the following information about their establishment's shipments: domestic destination or port of exit, commodity, value, weight, mode(s) of transportation, the date on which the shipment was made, and an indication of whether the shipment was an export, hazardous material, or containerized. For shipments that include more than one commodity, respondents are instructed to report the commodity that makes up the greatest percentage of the shipment's weight. For exports, we also ask the respondent to provide the mode of export and the foreign destination city and country.

We used two versions of the questionnaire to collect data from the sampled establishments—the CFS-1000 and the CFS-2000. Each establishment received the CFS-1000 in each of its first three reporting weeks. However, for the fourth reporting week, a subsample of approximately 25,000 establishments received the CFS-2000, while the remaining establishments received the CFS-1000. The CFS-2000 requests the respondent to provide additional information about their establishment's access to on-site and off-site shipping facilities, as well as transportation equipment. See Appendix E for a copy of each questionnaire.

## **ESTIMATION**

Each shipment has associated with it a single tabulation weight, that is used in computing all estimates to which the shipment contributes. The tabulation weight is a product of seven different weights. A description of each weight follows.

CFS respondents provide data for a sample of shipments made by their respective establishments in the survey year. For each establishment, we produce an estimate of that establishment's total value of shipments for the entire survey year. To do this, we use four different weights, the shipment weight, the shipment nonresponse weight, the quarter weight, and the quarter nonresponse weight.

Like establishments, we identify shipments as either certainty or noncertainty. (See the Nonsampling Error section in Appendix B for a description of how certainty shipments are identified.) For noncertainty shipments, the shipment weight is defined as the ratio of the total number of noncertainty shipments (as reported by the respondent) made by an establishment in a reporting week to the number of sampled noncertainty shipments for the same week. This weight uses the data from the sampled shipments to represent all the establishment's shipments made in the reporting week. However, some respondents fail to provide sufficient information about

a sampled shipment. For example, a respondent may not be able to provide value, weight, or a destination ZIP Code for some of the sampled shipments. If these data items cannot be imputed, then these shipments would not contribute to tabulations and are deemed “unusable.” (A usable shipment is one that has valid entries for value, weight, and origin and destination ZIP Codes.) To account for these “unusable” shipments, we apply the shipment nonresponse weight. For noncertainty shipments from a particular establishment’s reporting week, this weight is equal to the ratio of the number of sampled shipments for the reporting week to the number of “usable” shipments for the same week. The shipment weight and shipment nonresponse weight for certainty shipments from a particular establishment’s reporting week are both equal to one.

The quarter weight inflates an establishment’s estimate for a particular reporting week to an estimate for the corresponding quarter. For noncertainty shipments, the quarter weight is equal to 13. The quarter weight for most certainty shipments is also equal to 13. However, if a respondent is able to provide information about all large (or certainty) shipments made in the quarter containing the reporting week, then the quarter weight for each of these shipments would be one. For each establishment, the quarterly estimates are added to produce an estimate of the establishment’s value of shipments for the entire survey year. Whenever an establishment does not provide the Census Bureau with a response for each of its four reporting weeks, we compute a quarter nonresponse weight. The quarter nonresponse weight for a particular establishment is defined as the ratio of the number of quarters for which the establishment was in business in the survey year to the total number of quarters (reporting weeks) for which we received usable shipment data from the establishment.

Using these four component weights, we compute an estimate of each establishment’s value of shipments for the entire survey year. We then multiply this estimate by a weight that adjusts the estimate using value of shipments and sales data obtained from other Census Bureau surveys and preliminary results of the 1997 Economic Census. This weight, called the establishment-level adjustment weight, attempts to correct for any sampling or nonsampling errors that occur during the sampling of shipments by the respondent.

The adjusted value of shipments estimate for an establishment is then weighted by the establishment weight. This weight is equal to the inverse of the establishment’s probability of being selected into the sample.

A final adjustment weight, called the SIC-level adjustment weight, uses preliminary results of the 1997 Economic Census to account for establishments from which we did not receive a response (including establishments from which we did not receive any usable shipment data) and for changes in the population of establishments between the time the first-stage sampling frame was constructed (1995) and the year in which the data were collected (1997). Separate SIC-level adjustment weights are determined for nonauxiliary and auxiliary establishments.

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## **E. DATA-SPECIFIC INFORMATION**

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### **Variables definitions:**

Please see the `bts_commodity_flow_survey_CFS_1997_Master_Data_Dictionary.csv` for all variables and their definitions used across the 108 tables in the DATA folder.

Note: Please note, there are a number of variables that have the same semantic meaning, but have differently spelled or abbreviated names across the tables. There are also definitions or descriptions that have the same meaning, but used for variables with different names or labels. This is bad practice. However, it is an artefact of the fact that each of the 108 tables was created to stand alone, without thought of interoperability. The data

curator has NOT attempted to correct these errors. For clarity, please see the table-level data dictionary PDF in the folder Data\_Dictionaries\_by\_Table\_from\_TransStats, described below.

**Glossary** of frequently used terms, abbreviations, and symbols in data tables.

**Term/Abbreviation/**

**Symbol**

**Definitions**

Air	Air service for shipments that typically weigh more than 100 pounds using commercial or private aircraft. Includes air freight and air express.
Average Miles Per Shipment	The 1993 CFS excluded shipments of STCC 27, Printed Matter, from calculation of average miles per shipment. This was done after determining that respondents in the 1993 CFS shipping newspapers, magazines, catalogs, etc., had used widely varying definitions of the term shipment. In the 1997 CFS, numerous efforts were made during data collection and editing to produce consistent results from establishments shipping SCTG 29, Printed Products. As a result, average miles per shipment for printed products is included in calculations for the 1997 CFS.
Commodity	Products that an establishment produces, sells, or distributes. This does not include items that are considered as excess or byproducts of the establishment's operation. For the Commodity Flow Survey, respondents reported the description and the five-digit Standard Classification of Transported Goods (SCTG) code for the major commodity contained in the shipment, defined as the commodity with the greatest weight in the total shipment.
Deep Draft Vessel	A barge, ship, or ferry operating primarily in the open ocean. (Shipping on the Great Lakes and St. Lawrence Seaway is classified with shallow draft vessels.)
Distance Shipped	The distance between origin and destination for a shipment. For the distance shipped intervals table, the distance is calculated based on the great circle distance between the origin and destination ZIP Code centroids. All other distance-related data (i.e., ton-miles and average miles per shipment) are based on the mileage calculations produced by Oak Ridge National Laboratories.
For-Hire Truck	Trucks that carry freight for a fee collected from the shipper, recipient of the shipment, or an arranger of the transportation.
Great Circle Distance	The shortest distance between two points on the earth's surface.
Great Lakes	A single mode specially created in ORNL's transportation network for the Commodity Flow Survey for mileage calculations which involve transportation via the Great Lakes between the origin and destination ZIP Codes (see the Mileage Calculations section for more details).
Mode Of Transportation	The type of transportation used for moving a shipment to its domestic destination. For exports, the domestic destination is the port of exit.
Multiple Modes	Parcel, U.S. Postal Service or courier shipments or shipments for which two or more of the following modes of transportation were used: private truck, for-hire truck, rail, shallow draft vessel, deep draft vessel, or pipeline.
Other And Unknown Modes	Shipments for which modes were not reported, or were reported by the respondent as Other or Unknown.

Other Multiple Modes	Shipments using any other mode combinations not specifically listed in the Commodity Flow Survey tables.
Parcel Delivery/Courier/U.S. Postal Service	Delivery services, parcels, packages, and other small shipments that typically weigh less than 100 pounds. Includes bus parcel delivery service.
Pipeline	Movements of oil, petroleum, gas, slurry, etc., through pipelines that extend to other establishments or locations beyond the shipper's establishment. Aqueducts for the movement of water are not included.
Private Truck	Trucks operated by a temporary or permanent employee of an establishment or the buyer/receiver of the shipment.
Railroad	Includes common carriers (for-hire carriers that hold themselves out to serve the general public at reasonable rates and without discrimination) and private railroads (carriers not open to the public at large).
Shallow Draft Vessels	Barges, ships, or ferries operating primarily on rivers and canals; in harbors, the Great Lakes, the Saint Lawrence Seaway; the Intracoastal Waterway, the Inside Passage to Alaska, major bays and inlets; or in the ocean close to the shoreline.
Shipment	An individual movement of commodities from an establishment to a customer or to another location of the originating company (including a warehouse, distribution center, retail or wholesale outlet). A shipment uses one or more modes of transportation including parcel delivery, U.S. Postal Service, courier, private truck, for-hire truck, rail, water, pipeline, air, and other modes.
Standard Classification of Transported Goods (SCTG)	A commodity coding system developed jointly by agencies of the United States and Canadian governments based on the Harmonized System to address statistical needs in regard to products transported.
Ton Mile	The weight times the mileage for a shipment. The respondents reported shipment weight in pounds, and mileage was calculated as the distance between the shipment origin and destination ZIP Codes. For shipments by truck, rail, or shallow draft vessels, the mileage excludes international segments. Aggregated pound-miles were converted to ton-miles (based on short tons). The ton-miles data are displayed in millions.
Tons Shipped	The total weight of an entire shipment. Respondents reported the weight in pounds. Aggregated pounds were converted to short-tons (2,000 pounds). The tons data are displayed in thousands.
Total Modal Activity	The overall activity (e.g., ton-miles) of a specific mode of transportation, whether used in a single-mode shipment, or as part of a multiple-mode shipment. For example, the total modal activity for private truck is the total ton-miles carried by private truck in single-mode shipments, combined with the total ton-miles carried by private truck in all multiple-mode shipments that include private truck (private truck and for-hire truck, private truck and rail, private truck and air, etc.)
Truck	Shipments using for-hire truck only, private truck only, or a combination of for-hire truck and private truck.

Value of Shipment	The dollar value of the entire shipment. This is defined as the net selling value, f.o.b. plant, exclusive of freight charges, and excise taxes. The value data are displayed in millions of dollars.
Water	Shipments using shallow draft vessel only, deep draft vessel only, or Great Lakes vessel only. Combinations of these modes, such as shallow draft vessel and Great Lakes vessel are included as Other multiple modes.
D	Denotes figures withheld to avoid disclosing data for individual companies.
–	Represents zero or less than 1 unit of measure.
S	Data do not meet publication standards due to high sampling variability or other reasons.
CFS	Commodity Flow Survey
lb	Pounds
n.e.c.	Not elsewhere classified
NA	Not applicable
n.o.s.	Not otherwise specified

**Table descriptions:**

A list of Properties and property Descriptions for each table listed above. The properties include the number of records (rows), the number of fields (variables), and year of collection.

**Export**

CFS: ExpEx1 (1997)

Property	Description
Name	ExpEx1 (1997)
Description	Shipments by Export Mode of Transportation
Records	12
Fields	9
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data 1997	

CFS: ExpEx2 (1997)

Property	Description
Name	ExpEx2 (1997)
Description	Export Shipments by Domestic Transport Mode
Records	19
Fields	13
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data 1997	

CFS: ExpEx3 (1997)

Property      Description  
Name          ExpEx3 (1997)  
Description   Shipments by Destination Country  
Records       4  
Fields         5  
First Year     1997  
Last Year      1997  
Frequency     Non-continuous  
Latest Available Data 1997

CFS: ExpEx4 (1997)

Property      Description  
Name          ExpEx4 (1997)  
Description   Shipments by Destination Country and Export Mode  
Records       37  
Fields         10  
First Year     1997  
Last Year      1997  
Frequency     Non-continuous  
Latest Available Data 1997

ExpEx5 (1997)

Property      Description  
Name          ExpEx5 (1997)  
Description   Export Shipments by Commodity Group  
Records       11  
Fields         5  
First Year     1997  
Last Year      1997  
Frequency     Non-continuous  
Latest Available Data 1997

CFS: ExpEx6 (1997)

Property      Description  
Name          ExpEx6 (1997)  
Description   Export Shipments by Two-Digit Commodity Code  
Records       43  
Fields         8  
First Year     1997  
Last Year      1997  
Frequency     Non-continuous  
Latest Available Data 1997

CFS: ExpEx7 (1997)

Property      Description  
Name          ExpEx7 (1997)  
Description   Export Shipments by Commodity Groups and Export Mode of Transportation  
Records       132  
Fields         10  
First Year     1997

Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: ExpEx8 (1997)

Property Description  
Name ExpEx8 (1997)  
Description Export Shipments by Selected Origin State  
Records 22  
Fields 8  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

**Hazardous\_Materials**

CFS: HazH1 (1997)

Property Description  
Name HazH1 (1997)  
Description Hazmat Shipment by Mode of Transportation  
Records 13  
Fields 12  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH10a (1997)

Property Description  
Name HazH10a (1997)  
Description Hazmat Shipment by Truck for Intrastate Vs Interstate for Selected Commodities  
Records 8  
Fields 11  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH10b (1997)

Property Description  
Name HazH10b (1997)  
Description Hazmat Shipment by For-Hire Truck for Intrastate Versus Interstate for Selected Commodities  
Records 8  
Fields 11  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH10c (1997)

Property	Description
Name	HazH10c (1997)
Description	Hazmat Shipment by Private Truck for Intrastate Versus Interstate for Selected Commodities
Records	8
Fields	11
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: HazH11A (1997)

Property	Description
Name	HazH11A (1997)
Description	Hazmat Shipment by Truck for Intrastate Versus Interstate for Selected UN Numbers for the United States
Records	22
Fields	20
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: HazH11b (1997)

Property	Description
Name	HazH11b (1997)
Description	Hazmat Shipment by For-Hire Truck for Intrastate Versus Interstate for Selected UN Numbers for the United States
Records	22
Fields	20
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: HazH11c (1997)

Property	Description
Name	HazH11c (1997)
Description	Hazmat Shipment by Private Truck for Intrastate Versus Interstate for Selected UN Numbers for the United States
Records	22
Fields	18
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: HazH12 (1997)

Property	Description
Name	HazH12 (1997)

Description Hazmat Shipment for Poisonous by Inhalation (PIH)  
Records 2  
Fields 7  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH13 (1997)

Property Description  
Name HazH13 (1997)  
Description Hazmat Shipment for Packaging Group 1  
Records 2  
Fields 7  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH14 (1997)

Property Description  
Name HazH14 (1997)  
Description Hazmat Shipment for Export by Country of Destination  
Records 4  
Fields 7  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH2 (1997)

Property Description  
Name HazH2 (1997)  
Description Hazmat Shipment by Hazard Class  
Records 10  
Fields 11  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH3 (1997)

Property Description  
Name HazH3 (1997)  
Description Hazmat Shipment for Selected UN Numbers  
Records 22  
Fields 15  
First Year 1997  
Last Year 1997  
Frequency Non-continuous

Latest Available Data 1997

CFS: HazH4 (1997)

Property	Description
Name	HazH4 (1997)
Description	Hazmat versus non-hazmat shipment by mode transportation
Records	13
Fields	16
First Year	1997
Last Year	1997
Frequency	Non-continuous

Latest Available Data 1997

CFS: HazH51 (1997)

Property	Description
Name	HazH51 (1997)
Description	Hazmat Shipment by Selected State of Origin
Records	22
Fields	11
First Year	1997
Last Year	1997
Frequency	Non-continuous

Latest Available Data 1997

CFS: HazH52 (1997)

Property	Description
Name	HazH52 (1997)
Description	Hazmat Shipment by Selected State of Destination
Records	22
Fields	9
First Year	1997
Last Year	1997
Frequency	Non-continuous

Latest Available Data 1997

CFS: HazH61 (1997)

Property	Description
Name	HazH61 (1997)
Description	Hazmat Shipment by Hazard Class and Mode of Transportation
Records	117
Fields	16
First Year	1997
Last Year	1997
Frequency	Non-continuous

Latest Available Data 1997

CFS: HazH62 (1997)

Property	Description
Name	HazH62 (1997)
Description	Hazmat Shipment by Hazard Class Division and Mode of Transportation

Records 169  
Fields 16  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH7 (1997)

Property Description  
Name HazH7 (1997)  
Description Hazmat Shipment by Selected UN Numbers and Mode of Transportation  
Records 143  
Fields 17  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH81 (1997)

Property Description  
Name HazH81 (1997)  
Description Hazmat Shipment by For-Hire Truck for Selected UN Numbers  
Records 22  
Fields 16  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH82 (1997)

Property Description  
Name HazH82 (1997)  
Description Hazmat Shipment by Private Truck for Selected UN Numbers  
Records 22  
Fields 14  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH83 (1997)

Property Description  
Name HazH83 (1997)  
Description Hazmat Shipment by Rail for Selected UN Numbers  
Records 22  
Fields 15  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH84 (1997)

Property	Description
Name	HazH84 (1997)
Description	Hazmat Shipment by Water for Selected UN Numbers
Records	22
Fields	15
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: HazH85 (1997)

Property	Description
Name	HazH85 (1997)
Description	Hazmat Shipment by Air for Selected UN Numbers(PART I)
Records	22
Fields	16
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: HazH851 (1997)

Property	Description
Name	HazH851 (1997)
Description	Hazmat Shipment by Air for Selected UN Numbers(PART II)
Records	22
Fields	15
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: HazH86 (1997)

Property	Description
Name	HazH86 (1997)
Description	Hazmat Shipment by Pipeline for Selected UN Numbers
Records	22
Fields	16
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: HazH9a (1997)

Property	Description
Name	HazH9a (1997)
Description	Shipment Characteristics By Selected Commodities For Hazardous Materials
Records	8

Fields 11  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: HazH9b (1997)

Property Description  
Name HazH9b (1997)  
Description Hazardous Material Shipment Characteristics By Selected Commodities  
Records 8  
Fields 9  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

**Metropolitan\_Areas**

CFS: MarosMasc1 (1997)

Property Description  
Name MarosMasc1 (1997)  
Description Shipment Characteristics by Mode of Transportation  
Records 522  
Fields 21  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: MarosMasc2 (1997)

Property Description  
Name MarosMasc2 (1997)  
Description Inbound Shipment Characteristics by Mode of Transportation  
Records 522  
Fields 21  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: MarosMasc3 (1997)

Property Description  
Name MarosMasc3 (1997)  
Description Shipment Characteristics by Mode of Transportation and Distance Shipped  
Records 5,220  
Fields 22  
First Year 1997  
Last Year 1997  
Frequency Non-continuous

Latest Available Data 1997

CFS: MarosMasc4 (1997)

Property	Description
Name	MarosMasc4 (1997)
Description	Shipment Characteristics by Mode of Transportation and Shipment Size
Records	5,220
Fields	22
First Year	1997
Last Year	1997
Frequency	Non-continuous

Latest Available Data 1997

CFS: MarosMasc5 (1997)

Property	Description
Name	MarosMasc5 (1997)
Description	Shipment Characteristics by Commodity Group
Records	638
Fields	22
First Year	1997
Last Year	1997
Frequency	Non-continuous

Latest Available Data 1997

CFS: MarosMasc6 (1997)

Property	Description
Name	MarosMasc6 (1997)
Description	Shipment Characteristics by Commodity Group and Mode of Transportation
Records	5,742
Fields	23
First Year	1997
Last Year	1997
Frequency	Non-continuous

Latest Available Data 1997

CFS: MarosMasc7 (1997)

Property	Description
Name	MarosMasc7 (1997)
Description	Outbound Shipment Characteristics by Destination
Records	8,004
Fields	20
First Year	1997
Last Year	1997
Frequency	Non-continuous

Latest Available Data 1997

CFS: MarosMasc8 (1997)

Property	Description
Name	MarosMasc8 (1997)
Description	Inbound Shipment Characteristics by Origin

Records 8,004  
Fields 20  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: MarosRasc1 (1997)

Property Description  
Name MarosRasc1 (1997)  
Description Shipment Characteristics by Mode of Transportation  
Records 270  
Fields 21  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: MarosRasc2 (1997)

Property Description  
Name MarosRasc2 (1997)  
Description Inbound Shipment Characteristics by Mode of Transportation  
Records 270  
Fields 21  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: MarosRasc3 (1997)

Property Description  
Name MarosRasc3 (1997)  
Description Shipment Characteristics by Mode of Transportation and Distance Shipped  
Records 2,700  
Fields 22  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: MarosRasc4 (1997)

Property Description  
Name MarosRasc4 (1997)  
Description Shipment Characteristics by Mode of Transportation and Shipment Size  
Records 2,700  
Fields 22  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: MarosRasc5 (1997)

Property	Description
Name	MarosRasc5 (1997)
Description	Shipment Characteristics by Commodity Group
Records	330
Fields	22
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: MarosRasc6 (1997)

Property	Description
Name	MarosRasc6 (1997)
Description	Shipment Characteristics by Commodity Group and Mode of Transportation
Records	2,970
Fields	23
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: MarosRasc7 (1997)

Property	Description
Name	MarosRasc7 (1997)
Description	Outbound Shipment Characteristics by Destination
Records	4,140
Fields	20
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: MarosRasc8 (1997)

Property	Description
Name	MarosRasc8 (1997)
Description	Inbound Shipment Characteristics by Origin
Records	4,140
Fields	20
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

**Region\_Division**

CFS: RegDivDasc1 (1997)

Property	Description
Name	RegDivDasc1 (1997)

Description Shipment Characteristics by Mode of Transportation: 1993 and 1997  
Records 171  
Fields 39  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: RegDivDasc10 (1997)

Property Description  
Name RegDivDasc10 (1997)  
Description Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped:  
1997  
Records 3,870  
Fields 66  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: RegDivDasc3 (1997)

Property Description  
Name RegDivDasc3 (1997)  
Description Shipment Characteristics by Mode of Transportation and Distance Shipped: 1997  
Records 1,710  
Fields 16  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: RegDivDasc4 (1997)

Property Description  
Name RegDivDasc4 (1997)  
Description Shipment Characteristics by Mode of Transportation and Shipment Size: 1997  
Records 1,710  
Fields 18  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: RegDivDasc5 (1997)

Property Description  
Name RegDivDasc5 (1997)  
Description Shipment Characteristics by Two-Digit Commodity: 1997  
Records 387  
Fields 18  
First Year 1997  
Last Year 1997

Frequency Non-continuous

Latest Available Data 1997

CFS: RegDivDasc6 (1997)

Property Description

Name RegDivDasc6 (1997)

Description Shipment Characteristics by Three-Digit Commodity: 1997

Records 1,206

Fields 18

First Year 1997

Last Year 1997

Frequency Non-continuous

Latest Available Data 1997

CFS: RegDivDasc7 (1997)

Property Description

Name RegDivDasc7 (1997)

Description Shipment Characteristics by Two-Digit Commodity and Mode of Transportation: 1997

Records 7,353

Fields 19

First Year 1997

Last Year 1997

Frequency Non-continuous

Latest Available Data 1997

CFS: RegDivDasc8 (1997)

Property Description

Name RegDivDasc8 (1997)

Description Shipment Characteristics by Two-Digit Commodity and Distance Shipped: 1997

Records 3,870

Fields 17

First Year 1997

Last Year 1997

Frequency Non-continuous

Latest Available Data 1997

CFS: RegDivDasc9 (1997)

Property Description

Name RegDivDasc9 (1997)

Description Shipment Characteristics by Two-Digit Commodity and Shipment Size: 1997

Records 3,870

Fields 17

First Year 1997

Last Year 1997

Frequency Non-continuous

Latest Available Data 1997

CFS: RegDivRasc1 (1997)

Property Description

Name RegDivRasc1 (1997)

Description Shipment Characteristics by Mode of Transportation: 1993 and 1997  
Records 171  
Fields 38  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: RegDivRasc10 (1997)

Property Description  
Name RegDivRasc10 (1997)  
Description Shipment Characteristics by Two-Digit Commodity and Shipment Size by Distance Shipped:  
1997  
Records 1,720  
Fields 62  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: RegDivRasc2 (1997)

Property Description  
Name RegDivRasc2 (1997)  
Description Shipment Characteristics by Total Modal Activity: 1997.  
Records 40  
Fields 8  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: RegDivRasc3 (1997)

Property Description  
Name RegDivRasc3 (1997)  
Description Shipment Characteristics by Mode of Transportation and Distance Shipped: 1997  
Records 760  
Fields 15  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: RegDivRasc4 (1997)

Property Description  
Name RegDivRasc4 (1997)  
Description Shipment Characteristics by Mode of Transportation and Shipment Size: 1997  
Records 760  
Fields 17  
First Year 1997  
Last Year 1997

Frequency Non-continuous

Latest Available Data 1997

CFS: RegDivRasc5 (1997)

Property Description

Name RegDivRasc5 (1997)

Description Shipment Characteristics by Two-Digit Commodity: 1997

Records 172

Fields 17

First Year 1997

Last Year 1997

Frequency Non-continuous

Latest Available Data 1997

CFS: RegDivRasc6 (1997)

Property Description

Name RegDivRasc6 (1997)

Description Shipment Characteristics by Three-Digit Commodity: 1997

Records 536

Fields 17

First Year 1997

Last Year 1997

Frequency Non-continuous

Latest Available Data 1997

CFS: RegDivRasc7 (1997)

Property Description

Name RegDivRasc7 (1997)

Description Shipment Characteristics by Two-Digit Commodity and Mode of Transportation: 1997

Records 3,268

Fields 18

First Year 1997

Last Year 1997

Frequency Non-continuous

Latest Available Data 1997

CFS: RegDivRasc8 (1997)

Property Description

Name RegDivRasc8 (1997)

Description Shipment Characteristics by Two-Digit Commodity and Distance Shipped: 1997

Records 1,720

Fields 16

First Year 1997

Last Year 1997

Frequency Non-continuous

Latest Available Data 1997

CFS: RegDivRasc9 (1997)

Property Description

Name RegDivRasc9 (1997)

Description Shipment Characteristics by Two-Digit Commodity and Shipment Size: 1997  
Records 1,720  
Fields 16  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: RegdivDasc2 (1997)

Property Description  
Name RegdivDasc2 (1997)  
Description Shipment Characteristics by Total Modal Activity: 1997.  
Records 90  
Fields 9  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

### States

CFS: StatesTbl1 (1997)

Property Description  
Name StatesTbl1 (1997)  
Description Shipments by Transport Mode  
Records 950  
Fields 40  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl10 (1997)

Property Description  
Name StatesTbl10 (1997)  
Description Shipment Characteristics by 3-Digit Commodity Code and Mode of Transportation  
Records 127,300  
Fields 20  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl11 (1997)

Property Description  
Name StatesTbl11 (1997)  
Description Shipment Characteristics by Destination and Mode of Transportation  
Records 49,400  
Fields 11  
First Year 1997

Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl12 (1997)

Property Description  
Name StatesTbl12 (1997)  
Description Shipment Characteristics by Destination and Two Digit Commodity  
Records 111,800  
Fields 12  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl13 (1997)

Property Description  
Name StatesTbl13 (1997)  
Description Shipment Characteristics by Mode of Transportation  
Records 49,400  
Fields 19  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl14 (1997)

Property Description  
Name StatesTbl14 (1997)  
Description Shipment Characteristics by Two-Digit Commodity  
Records 111,800  
Fields 14  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl15 (1997)

Property Description  
Name StatesTbl15 (1997)  
Description Shipment Characteristics by Two-Digit Commodity and Mode of Transportation  
Records 2,083,350  
Fields 13  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl16 (1997)

Property Description

Name StatesTbl16 (1997)  
Description Shipment Characteristics by Two-Digit Commodity and Shipment Size  
Records 21,500  
Fields 18  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl17 (1997)

Property Description  
Name StatesTbl17 (1997)  
Description Shipment Characteristics by Two-Digit Commodity and Distance Shipped  
Records 21,500  
Fields 18  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl2 (1997)

Property Description  
Name StatesTbl2 (1997)  
Description Shipments by Total Modal Activity  
Records 500  
Fields 10  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl3 (1997)

Property Description  
Name StatesTbl3 (1997)  
Description Shipments by Mode-Distance  
Records 9,500  
Fields 17  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl4 (1997)

Property Description  
Name StatesTbl4 (1997)  
Description Shipments by Mode-Size  
Records 9,500  
Fields 19  
First Year 1997  
Last Year 1997

Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl5 (1997)

Property Description  
Name StatesTbl5 (1997)  
Description Shipments by Commodity  
Records 2,150  
Fields 19  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl6 (1997)

Property Description  
Name StatesTbl6 (1997)  
Description Shipments by SCTG-Mode  
Records 40,850  
Fields 20  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl7 (1997)

Property Description  
Name StatesTbl7 (1997)  
Description Shipments by State of Dest.  
Records 2,600  
Fields 16  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl8 (1997)

Property Description  
Name StatesTbl8 (1997)  
Description Shipments by State of Orig.  
Records 2,600  
Fields 16  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: StatesTbl9 (1997)

Property Description  
Name StatesTbl9 (1997)

Description Shipment Characteristics by Three-Digit Commodity  
Records 6,700  
Fields 13  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

**United\_States**

CFS: USAsc1(1997)

Property Description  
Name USAsc1(1997)  
Description Shipment Characteristics by Transport Mode  
Records 19  
Fields 33  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc10 (1997)

Property Description  
Name USAsc10 (1997)  
Description Shipment Characteristics by Commodity-Size  
Records 430  
Fields 65  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc11 (1997)

Property Description  
Name USAsc11 (1997)  
Description Shipment Characteristics by Three Digit Commodity for the United States: 1997  
Records 134  
Fields 12  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc12 (1997)

Property Description  
Name USAsc12 (1997)  
Description Shipment Characteristics by Four-Digit Commodity for the United States: 1997  
Records 285  
Fields 10  
First Year 1997

Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc13 (1997)

Property Description  
Name USAsc13 (1997)  
Description Shipment Characteristics by Three-Digit Commodity and Mode of Transportation for the United States: 1997  
Records 2,546  
Fields 17  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc14 (1997)

Property Description  
Name USAsc14 (1997)  
Description Shipment Characteristics by Two-Digit Commodity and Mode of Transportation by Distance Shipped for the United States: 1997  
Records 817  
Fields 65  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc15 (1997)

Property Description  
Name USAsc15 (1997)  
Description Shipment Characteristics by Two-Digit Commodity and Mode of Transportation by Shipment Size for the United States: 1997  
Records 817  
Fields 83  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc2 (1997)

Property Description  
Name USAsc2 (1997)  
Description Shipment Characteristics by Total Modal Activity  
Records 10  
Fields 7  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc3 (1997)

Property	Description
Name	USAsc3 (1997)
Description	Shipment Characteristics by Mode-Distance
Records	190
Fields	14
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data 1997	

CFS: USAsc4 (1997)

Property	Description
Name	USAsc4 (1997)
Description	Shipment Characteristics by Mode-Size
Records	190
Fields	16
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data 1997	

CFS: USAsc5 (1997)

Property	Description
Name	USAsc5 (1997)
Description	Shipment Characteristics by Commodity
Records	43
Fields	28
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data 1997	

CFS: USAsc6 (1997)

Property	Description
Name	USAsc6 (1997)
Description	Shipment Characteristics by Commodity
Records	134
Fields	12
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data 1997	

CFS: USAsc7 (1997)

Property	Description
Name	USAsc7 (1997)
Description	Shipment Characteristics by SCTG-Mode

Records 817  
Fields 17  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc8 (1997)

Property Description  
Name USAsc8 (1997)  
Description Shipment Characteristics by Commodity-Distance  
Records 430  
Fields 15  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc9 (1997)

Property Description  
Name USAsc9 (1997)  
Description Shipment Characteristics by Commodity-Size  
Records 430  
Fields 15  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc1 (1997)

Property Description  
Name USAsc1 (1997)  
Description Reliability Measures for Shipments by Transport Mode  
Records 19  
Fields 36  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAsc2 (1997)

Property Description  
Name USAsc2 (1997)  
Description Reliability Measures for Shipments by Total Modal Activity  
Records 10  
Fields 7  
First Year 1997  
Last Year 1997  
Frequency Non-continuous  
Latest Available Data 1997

CFS: USAscb3 (1997)

Property	Description
Name	USAscb3 (1997)
Description	Reliability Measures for Shipments by Commodity
Records	43
Fields	12
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: USAscb4 (1997)

Property	Description
Name	USAscb4 (1997)
Description	Reliability Measures for Shipments by Distance
Records	10
Fields	10
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

CFS: USAscb5 (1997)

Property	Description
Name	USAscb5 (1997)
Description	Reliability Measures for Shipments by Size
Records	10
Fields	11
First Year	1997
Last Year	1997
Frequency	Non-continuous
Latest Available Data	1997

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**F. UPDATE LOG**  
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**Change Log:**

2021-03-03: Original file created