International Trade Data Tools

Kyle Vezina
Economic Indicators Division (EID)
International Trade

Background

• International Trade in Goods and Services
• The official source of U.S. export and import statistics
• Importance:
  • Gross Domestic Product (GDP)
  • Impact Economic Policy
  • Find Emerging Markets
  • Measure International Competition
Reference Links

International Trade Main Page
• www.census.gov/trade

Data
• www.census.gov/foreign-trade/data/
• www.census.gov/foreign-trade/statistics/press-release/

Historical Series
• www.census.gov/foreign-trade/statistics/historical/

Country and Product Trade Data
• www.census.gov/foreign-trade/statistics/country/

Schedule B
• www.census.gov/foreign-trade/schedules/b/

Data Products
• www.census.gov/foreign-trade/reference/products/catalog/ftdproducts.html
U.S. International Trade Website

http://www.census.gov/trade
Data Resources

The Data tab is the central navigation tool for trade statistics.

U.S. International Trade Data

Overview

The Nation’s international trade deficit in goods and services increased to $40.7 billion in August from $39.5 billion in July (revised), as imports increased more than exports. (October 5, 2016)

Advance

- Latest Advance Economic Indicators Report

Latest U.S. International Trade in Goods and Services Report

- Latest U.S. International Trade in Goods and Services Report:
  - PDF ZIP (TXT) ZIP (XLS & DOC)
- Summary
- Trade Highlights
  - August real dollar exports ($123.0 billion) were the highest since December 2014 ($123.0 billion). [Click here](#) for more information.
  - August exports of capital goods ($421.8 billion) were the lowest since September 2011 ($418.6 billion). [Click here](#) for more information.
- Previous Releases

International Trade Data Sources

- USA Trade Online, our free international trade database. This software allows users to create customized reports and colorful charts detailing international trade data at different levels. All data are updated each month with the release of the latest U.S. International Trade in Goods and Services Report.
- Foreign Trade data products available for purchase.
Country Trade Balance

- Current export, import, and trade balance data by month
- Historical data available
- Country Groups
  - European Union
  - OPEC
What is USA Trade Online?

The Official Source of International Trade Data

more than

17,000 import commodity codes

more than

9,000 export commodity codes
Who Uses USA Trade Online?

Small Businesses
Manufacturers
Local and State Governments
Federal Government Agencies
Congress and Policy Makers
Foreign Governments
Universities
Economists
News Agencies
## Classification Systems: HS vs. NAICS

<table>
<thead>
<tr>
<th>HS</th>
<th>NAICS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Harmonized System</strong></td>
<td><strong>North American Industry Classification System</strong></td>
</tr>
<tr>
<td>Categories up to <strong>10-digit level</strong></td>
<td>Categories up to <strong>6-digit level</strong></td>
</tr>
<tr>
<td>Exports based on Schedule B: census.gov/foreign-trade/schedules/b</td>
<td>Industry classification</td>
</tr>
<tr>
<td>Imports based on Harmonized Tariff Schedule (HTS) - hts.usitc.gov</td>
<td>Ex: NAICS 326211 (Tires &amp; Tire Parts)</td>
</tr>
<tr>
<td>Product level classification</td>
<td></td>
</tr>
<tr>
<td>Ex: Schedule B 4011.20.0005 (New Pneumatic Tires for Light Trucks)</td>
<td></td>
</tr>
</tbody>
</table>
USA Trade Online – Examples

Export and Import data – Trend Analysis

Commodity Specific – Top Export Countries...

State level data for specific commodities ...

Port level data for imports and exports...

International Trade Statistics

U.S. Exports to Brazil

Top Commodities

- Soybeans
- Corn
- Wheat

Top States for Soybeans

- Arkansas
- Illinois
- Florida

Top Importing Ports

- Los Angeles, CA
- New Orleans, LA
- Miami, FL

Top Exporting Ports

- Los Angeles, CA
- New Orleans, LA
- Miami, FL

U.S. Exports of Agricultural Products, 2013

State of Missouri

International Trade Statistics

Exports of Automotive Catalytic Converters

Top Countries (values in millions)

- Mexico
- Taiwan
- Japan

World Total (values in millions)

- 222.7
- 310.4
- 320.0

Top 10 Importing Ports (values in millions, based on 2013 values)

- Total All Ports
- Port of LA
- Port of Long Beach

Top 10 Exporting Ports (values in millions, based on 2013 values)

- Total All Ports
- Port of LA
- Port of Savannah

Features

- Customized Groups
- Colorful Graphs
- Sort
- Calculate
- Export Reports
- Save Reports
Data Detail

- District and Port Level
- Method of Transportation
- State
- Track Growth Over Time
- Country
- Balance of Trade
USA Trade Online – Getting Started

usatrade.census.gov
State Export Report Sample

Use USA Trade *Online* to identify Pennsylvania’s top export destinations!

<table>
<thead>
<tr>
<th>Country</th>
<th>2016 through August</th>
<th>2015</th>
<th>2014</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>6,689,091,295</td>
<td>11,677,300,051</td>
<td>12,333,028,922</td>
<td>11,723,636,311</td>
</tr>
<tr>
<td>Mexico</td>
<td>2,448,528,180</td>
<td>4,181,438,789</td>
<td>3,729,781,958</td>
<td>3,452,868,754</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>1,592,154,569</td>
<td>2,341,599,731</td>
<td>1,849,562,268</td>
<td>1,464,828,928</td>
</tr>
<tr>
<td>China</td>
<td>1,363,891,046</td>
<td>2,060,836,352</td>
<td>2,398,494,092</td>
<td>2,926,263,761</td>
</tr>
<tr>
<td>Netherlands</td>
<td>986,893,711</td>
<td>1,404,336,358</td>
<td>1,912,341,460</td>
<td>2,407,216,996</td>
</tr>
<tr>
<td>Germany</td>
<td>912,644,127</td>
<td>1,576,314,862</td>
<td>1,451,949,067</td>
<td>1,681,003,418</td>
</tr>
<tr>
<td>Japan</td>
<td>890,110,942</td>
<td>1,668,439,026</td>
<td>1,580,860,113</td>
<td>1,566,132,907</td>
</tr>
<tr>
<td>Belgium</td>
<td>828,139,229</td>
<td>1,289,088,918</td>
<td>1,214,930,981</td>
<td>1,038,627,637</td>
</tr>
<tr>
<td>Korea, South</td>
<td>608,005,280</td>
<td>915,957,460</td>
<td>1,009,648,102</td>
<td>1,213,246,282</td>
</tr>
<tr>
<td>Brazil</td>
<td>490,786,521</td>
<td>981,444,109</td>
<td>1,152,121,408</td>
<td>1,434,183,585</td>
</tr>
<tr>
<td>Australia</td>
<td>413,705,534</td>
<td>586,294,828</td>
<td>740,375,487</td>
<td>645,121,544</td>
</tr>
<tr>
<td>France</td>
<td>407,193,552</td>
<td>642,630,037</td>
<td>620,719,313</td>
<td>639,010,132</td>
</tr>
</tbody>
</table>
State Export Report Sample

Use USA Trade *Online* to identify Virginia's top export commodities!

<table>
<thead>
<tr>
<th>State</th>
<th>Virginia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time</td>
<td>2016 through August</td>
</tr>
<tr>
<td>Commodity</td>
<td></td>
</tr>
<tr>
<td>854232 Memories, Electron...</td>
<td>388,688,236</td>
</tr>
<tr>
<td>270112 Bituminous Coal, N...</td>
<td>359,401,208</td>
</tr>
<tr>
<td>844399 Pts &amp; Acc Of Print...</td>
<td>293,232,513</td>
</tr>
<tr>
<td>120190 Soybeans, Nesoi</td>
<td>278,434,427</td>
</tr>
<tr>
<td>481032 Kraft Paper Ov150g...</td>
<td>275,579,446</td>
</tr>
<tr>
<td>870120 Road Tractors For ...</td>
<td>219,123,947</td>
</tr>
<tr>
<td>880000 Civilian Aircraft,...</td>
<td>214,269,818</td>
</tr>
<tr>
<td>240120 Tobacco, Partly Or...</td>
<td>187,283,926</td>
</tr>
<tr>
<td>550200 Artificial Filamen...</td>
<td>169,578,488</td>
</tr>
<tr>
<td>470321 Chemical Woodpulp,...</td>
<td>134,371,412</td>
</tr>
<tr>
<td>300420 Antibiotics Nesoi,...</td>
<td>130,467,686</td>
</tr>
</tbody>
</table>
1: USA Trade Online – Sign-up

- First time: submit all required fields
- Provide answers for 3 security questions
- Activation link will be sent via email
Need Help using USA Trade?

Online Webinar
- Navigating Indicator Databases webinar: http://www.census.gov/econ/webinar/
- USA Trade online starts 21 minutes in

USA Trade Online Help Section

Call us at 301-763-2311
- Analyst will help you generate reports
- HS commodity codes call 301-763-3047
- Group training, email request
<table>
<thead>
<tr>
<th>Data Product</th>
<th>Dimensions</th>
<th>Commodity</th>
<th>Measures</th>
<th>Time Periods</th>
</tr>
</thead>
</table>
| District Level:   | *Domestic Indicator*  
                    | *Foreign Indicator*  
                    | Commodity  
                    | *Country*  
                    | *Districts*  
                    | *Measures*  
                    | *Time*  
                    | 10-digit HS  
                    | *Card Count*  
                    | *Quantity 1*  
                    | *Quantity 2*  
                    | *Value*  
                    | *Unit Value*  
                    | Monthly & Year-to-Date:  
                    | 2002 - Present  
                    | Annual: 1992 - Present  
                    |
| Port Level:       | Port/District  
                    | Commodity  
                    | Country  
                    | Measures  
                    | Time  
                    | 6-digit HS  
                    | *Value*  
                    | *Air Value*  
                    | *Air Shipping Weight*  
                    | *Vessel Value*  
                    | *Vessel Shipping Weight*  
                    | *Containerized Vessel Value*  
                    | *Containerized Vessel Shipping Weight*  
                    | Monthly, Annual & Year-to-Date  
                    | 2003 - Present  
                    |
| State Level       | State  
                    | Commodity  
                    | Country  
                    | Measures  
                    | Time  
                    | 6-digit HS  
                    | *Value*  
                    | *Air Value*  
                    | *Air Shipping Weight*  
                    | *Vessel Value*  
                    | *Vessel Shipping Weight*  
                    | *Containerized Vessel Value*  
                    | *Containerized Vessel Shipping Weight*  
                    | Monthly, Annual & Year-to-Date  
                    | 2002 - Present  
                    |
| NAICS             | Commodity  
                    | Country  
                    | District  
                    | Measures  
                    | Time  
                    | 6-digit NAICS  
                    | *Total Export Value*  
                    | *Foreign Export Value*  
                    | *Domestic Export Value*  
                    | *Balance (Total Export Value - General Customs Import Value)*  
                    | Monthly, Annual & Year-to-Date  
                    | 2002 - Present  
                    |

*Unless otherwise specified "Value" is Total Export Value and General Customs Import Value
<table>
<thead>
<tr>
<th>Data Product</th>
<th>Dimensions</th>
<th>Commodity</th>
<th>Measures</th>
<th>Time Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>District Level: General Imports</td>
<td>Commodity Country Districts Measures Time</td>
<td>Commodity</td>
<td>Card Count Quantity 1 Quantity 2 Unit Value CIF Value Unit Price</td>
<td>Monthly &amp; Year-to-Date: 2002 - Present Annual: 1992 - Present</td>
</tr>
<tr>
<td><strong>Imports for Consumption</strong></td>
<td>Commodity Country Districts Measures Time</td>
<td>10-digit HS</td>
<td>Card Count Quantity 1 Quantity 2 Total Value Unit Value Dutiable Value CIF Value Calculated Duty</td>
<td>Monthly &amp; Year-to-Date: 2002 - Present Annual: 1992 - Present</td>
</tr>
<tr>
<td>Port Level:</td>
<td>Port/District Commodity Country Measures Time</td>
<td>6-digit HS</td>
<td>Value Air Value Air Shipping Weight Vessel Value Vessel Shipping Weight Containerized Vessel Value Containerized Vessel Shipping Weight</td>
<td>Monthly, Annual &amp; Year-to-Date 2003 - Present</td>
</tr>
<tr>
<td>State Level</td>
<td>State Commodity Country Measures Time</td>
<td>6-digit HS</td>
<td>Value Air Value Air Shipping Weight Vessel Value Vessel Shipping Weight Containerized Vessel Value Containerized Vessel Shipping Weight</td>
<td>Monthly, Annual &amp; Year-to-Date 2008 - Present</td>
</tr>
<tr>
<td>NAICS</td>
<td>Commodity Country District Measures Time</td>
<td>6-digit NAICS</td>
<td>General Customs Import Value General CIF Import Value Consumption Customs Import Value Consumption CIF Import Value Balance (Total Export Value - General Customs Import Value)</td>
<td>Monthly, Annual &amp; Year-to-Date 2002 - Present</td>
</tr>
</tbody>
</table>

*Unless otherwise specified “Value” is Total Export Value and General Customs Import Value.*
International Trade API

• Application Program Interface
  • Launched August 2015
• New country profiles
• Pop Clock(2005-2016)
  • Annual Import & Export Statistics
• Coming Monthly API Expansion
  • Detailed Data Jan-2016-Present
  • Historic 2013-2015

Visit http://www.census.gov/data/developers/data-sets/international-trade.html for API variables and example calls.
For More Information & Feedback

Kyle Vezina
Economic Indicators Division
U.S. Census Bureau

Direct Phone: (301) 763-2311
Email: eid.international.trade.data@census.gov
Web site: www.census.gov/trade
USA Trade Online: usatrade.census.gov