

How to get economic/financial data?

Classification of data source

- ▶ Classification on charge
 - ▶ Non-Free
 - ▶ Free
- ▶ Classification on Topics
 - ▶ General
 - ▶ Specific



Non-free Data Source

- ▶ Bloomberg
- ▶ Datastream
- ▶ Thomson ONE



Free Data Source

- ▶ Yahoo Finance
- ▶ Google Finance
- ▶ OECD
- ▶ FRED
- ▶ World Bank



General Data Source

- ▶ Datastream
- ▶ Yahoo Finance
- ▶ World Bank
- ▶ Office for National Statistics (UK)



Specific Topic Data Source

- ▶ [Football-data \(www.football-data.co.uk\)](http://www.football-data.co.uk)
- ▶ UK house price index
(www.nationwide.co.uk/default.htm)
- ▶ Historical exchange rate series
(www.oanda.com/convert/fxhistory)
- ▶ US macroeconomic series (www.bls.gov)



Some Common Data Source

UK Data

- ▶ **Office for National Statistics (ONS) Time Series Data:**
- ▶ **UK Data Service**



European Data

- ▶ Eurostat (formerly known as Eurostat New Cronos)
- ▶ FAME (Financial Analysis Made Easy)



International

- ▶ International Energy Agency (IEA)
- ▶ International Monetary Fund (IMF)
- ▶ United Nations Industrial Development Organisation (UNIDO)



International

- ▶ World Bank:
- ▶ United Nations Commodity Trade Statistics (Database UN Comtrade):





Datastream Quick Guide



DataStream

- ▶ Extensive historical financial data provider
- ▶ Flexible data format
- ▶ Friendly Interface
- ▶ Ms-office Add-on
- ▶ Data source include: OECD, IMF, Market Data, etc.



Interface

Navigation Tool bar

Series selection

Datatype selection

Charting

- Add series to current chart
- Add series to new chart
- Display current chart
- Library

Report selection

Analysis

- Single Series - Overview
- Overview of Company Performance
- Overview of any Series
- FTSE/US/ASX
- Thomson ONE browser pages
- Multiple Series / Flexible Chart
- Single Series - Chart
- Single Series - Report
- Single Series - Data
- Codes and Information
- Favourites
- Equity Screening

Datastream Project tab

DATASTREAM EQUITIES

BT GROUP
 Geographic Code - UK
 Exchange - London

Mnemonic - BT.A	Local Code - 3091397	Current Price	84.80	20/04/08	BPS
12 Mth Range	High 225.50	Low 71.40	19/3/08	PE Rat	PICCASH
Price Change (£)	1mth 7.2%	3mth -27.4%	12mth -89.0%	Dividen	Dividen
Relative to FTALLSH	2.0%	-27.5%	-97.8%	Div Len	Last Di
Market Value (£)	8410.10M			Pay Da	(£)

Price and Index (rebased)

Line chart showing BT GROUP (red) and FTSE ALL SHARE (FI) (blue) from May 2007 to April 2008. The y-axis ranges from 50 to 250. Both indices show a general downward trend, with BT GROUP ending significantly lower than the FTSE ALL SHARE index.

Legend: BT GROUP, FTSE ALL SHARE (FI)

Project: Equity Screening | Broad completed

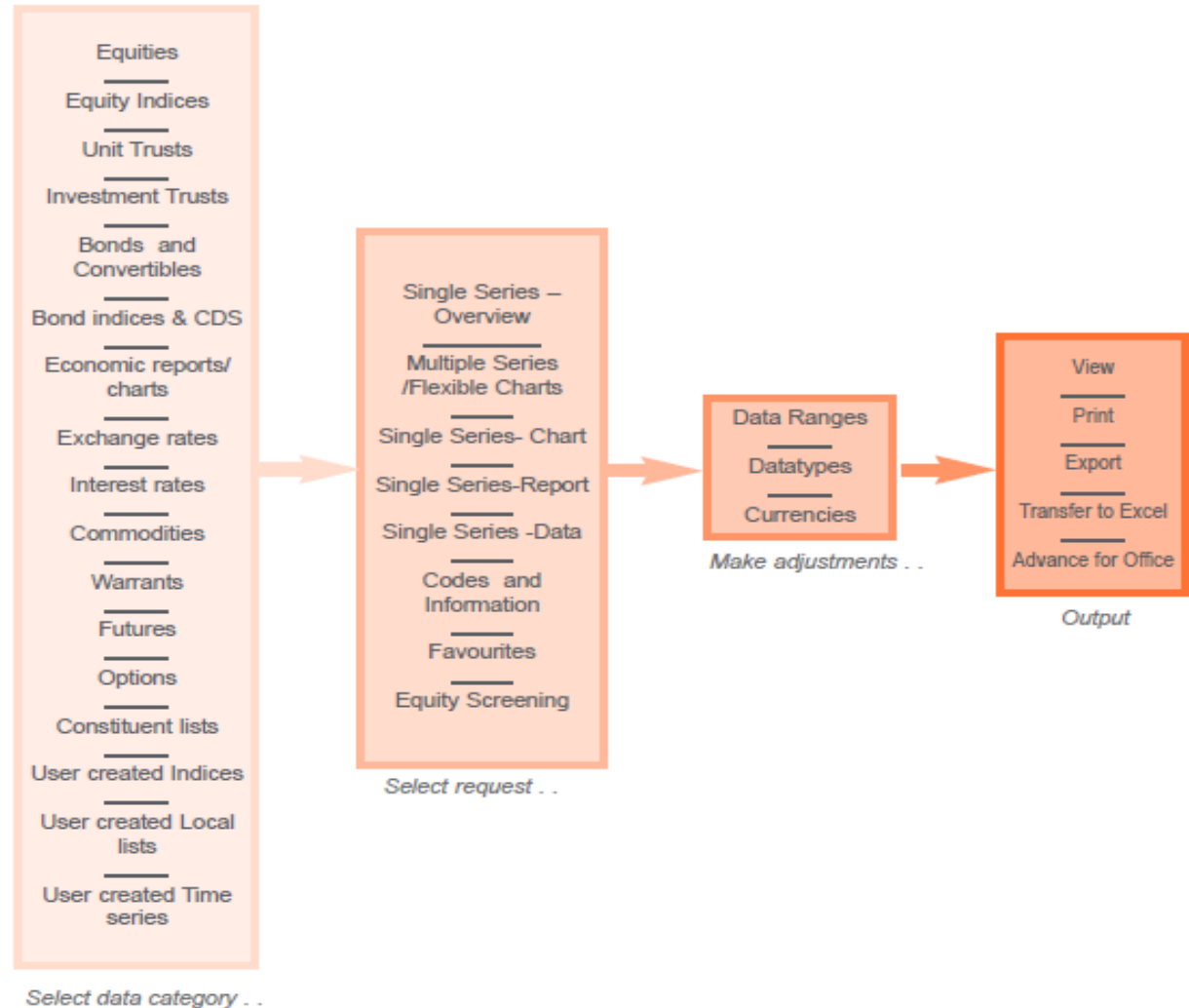
Access

- ▶ 2 PCs in old library
- ▶ Login info: Username & Password
- ▶ Booking is appreciated

- ▶ **Currently not installed in the new library**
- ▶ Will be installed shortly!!!



Basic Data Selection



Query Procedure

- ▶ Select Data Category
- ▶ Select Analysis
- ▶ Find Series
- ▶ Personalize data collection (Datatype, Start/End Date, Frequency and other options)
- ▶ Run



Query Procedure

1 Select the type of series you want from the Data Category window - holding the mouse over the data category will display quick links to Navigator.

See Selecting a data category, page 14.

2 Find and select your series.

- Click the Series navigation button to open Navigator.
 - Check the Expert entry box and type the exact mnemonic or code in the Series field.
- See Selecting the series, page 15.

3 Select a datatype (optional).

- You can:
- Click the Datatype Navigation button to open Navigator.
- See Datatypes, page 24.

4 Select the type of request.

Select a request type tab. For example, a single chart.

Select the type of chart, report or data format from the list displayed.

See Selecting types of request, page 20.

The screenshot displays the Datastream software interface with several windows and panels. The 'Data Category' window is open, showing a list of categories with 'Equities' selected. The 'Enter Series' field contains 'MKS' and the 'Expert' checkbox is checked. The 'Datatype' dropdown is set to 'Dividend'. The 'Analysis' window is open, showing a list of chart types with 'Line Chart' selected. The main window shows a line chart for 'MKS - MKS' with a price range from 150 to 460 and a date range from APR to JUN. The chart shows a peak in May followed by a decline. The 'Equity Screening' window is also visible at the bottom.

Excel Add-on

- ▶ Create Local List
- ▶ Select Static Request or Time-Series Request
- ▶ Select Series/List
- ▶ Personalize data collection (Datatype, Start/End Date, Frequency and other options)
- ▶ Submit



Key Features

The image shows a screenshot of the Microsoft Excel interface with the 'Time Series Request' dialog box open. The dialog box is titled 'Time Series Request' and contains several sections:

- Request Detail:** Includes a 'Series/Lists' list picker, a 'Datatype/Expressions' list picker, and a 'Frequency' dropdown menu.
- Options:** A group of checkboxes for 'Display Row Titles', 'Display Column Titles', 'Display Headings', 'Transaction Data', 'Display Grid', 'Display Currency', 'Display Latest Value First', and 'Hyperlink to Metadata'. It also includes a 'Display Expression' section with radio buttons for 'To Series' and 'Description', and a 'Display Date/Time' section with radio buttons for 'Description' and 'Mnemonic'.
- Buttons:** 'Submit' and 'Cancel' buttons are located at the bottom right of the dialog.

Annotations with arrows point to various features:

- Static Request:** Points to the 'Static Request' button in the top ribbon.
- Datastream Tab:** Points to the 'Datastream' tab in the top ribbon.
- Time Series Request:** Points to the 'Time Series Request' button in the top ribbon.
- Series Selection:** Points to the 'Series/Lists' list picker.
- List picker:** Points to the 'Datatype/Expressions' list picker.
- Datatype Mnemonic Picker:** Points to the 'Display Date/Time' radio buttons.
- Frequency:** Points to the 'Frequency' dropdown menu.
- Time Period:** Points to the 'Start Date' and 'End Date' fields.
- Options:** Points to the 'Options' section of the dialog.
- Submit:** Points to the 'Submit' button.

FAQ

- ▶ Can I use DataStream in my own PC?
- ▶ Is it accessible in holiday?
- ▶ Is it possible to obtain the list of constituents of index (FT100 for instance)?



More Reference

- ▶ DataStream Version 5 Getting Started. Pdf
- ▶ Documents in Lib

A large orange square graphic containing the text 'DATASTREAM' and 'VERSION 5' in white. Below the square, the text 'GETTING STARTED' is written in orange.

DATASTREAM

VERSION 5

GETTING STARTED





Yahoo Finance Quick Guide



Yahoo Finance

- ▶ An incredible range of free financial data, information, research and commentary



Market and Asset Level Data



Search for news, symbols or companies

Search

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US Markets are closed

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S&P 500

2,141.16

-0.18 (-0.01%)



Dow 30

18,145.71

-16.64 (-0.09%)



Nasdaq

5,180.97

-76.43 (-1.45%)



Crude Oil

50.86

0.23 (0.45%)



Gold

1,266.40

-1.10 (-0.09%)



amazon

£129.99

(plus delivery)



WEEK AHEAD: Apple, Alphabet, and America on deck

Earnings season is in full swing with big names set to announce. [Read More](#)

♡ ↑ ↻

You're not ready for a big Internet outage

Why the Brexit still matters to every investor

The No. 1 priority for any business

amazon

1-3 of 18

Quote Lookup

My Portfolio & Markets [Edit](#)

Recently Viewed >

Symbol	Last Price	Change	% Change
AAPL	116.60	-0.46	-0.39%
Apple Inc.			
^GSPC	2,141.16	-0.18	-0.01%
S&P 500			
00030...	3,327.74	9.14	0.28%
CSI 300 Index			
^FTSE	7,020.47	-6.43	-0.09%
FTSE 100			



CHK 247wallst.com • 8 hours ago

Chesapeake Energy Analysts Change Their Tune

On Wednesday evening, Chesapeake Energy Corp. (NYSE: CHK) stock closed at \$6.72. Shares dropped by more than 5% to \$6.36 early Thursday morning as the company kicke...



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Market and Asset Level Data

- ▶ Clicking on “[Market Data](#)” delivers a list of asset type to select from—stocks, [mutual funds](#), options, [ETFs](#), bonds, commodities, currencies, and calendars.



Market and Asset Level Data

- ▶ Let's run through an example of what happens when you click this link. After selecting "Market Data," then
 - ▶ "Stocks: Most Actives": most active traded stocks
 - ▶ "Stocks: Gainers": top % gainers
 - ▶ "Stocks: Losers": top % losers





S&P 500

2,141.16

-0.18 (-0.01%)



Dow 30

18,145.71

-16.64 (-0.09%)



Nasdaq

5,180.97

-76.43 (-1.45%)



Crude Oil

50.67

0.04 (0.08%)

VIEW CHART

Gold

1,266.50

-1.00 (-0.08%)



Stocks: Gainers ▾



Symbol	Last Price	Market Time	Change	% Change	Volume	Avg Vol (3 month)	Intraday High/Low	52 Week Range	Day Chart	Market Cap
HMNY Helios and Matheson Analytics Inc.	9.90	4:00PM EDT	4.29	76.41%	5.38M 166,928	166,928	5.82 13.15	1.03 17.00		23.071M
KONE Kingtone Wirelessinfo Solution Holding Ltd.	6.5893	4:00PM EDT	1.4893	29.20%	79.95k 213,412	213,412	4.81 6.94	1.15 13.85		9.203M
ALKS Alkermes plc	55.62	4:00PM EDT	12.11	27.83%	14.32M 1,027M	1,027M	54.80 59.36	27.14 80.71		8.43B
OPGN OpGen, Inc.	1.7011	4:00PM EDT	0.341	25.07%	3.32M 375,042	375,042	1.36 1.90	1.02 4.65		37.052M
KODK-WT Eastman Kodak Company Warrant (	3.71	3:56PM EDT	0.71	23.67%	7.67k	-	3.71 3.72	N/A N/A		-
CRBP Corbus Pharmaceuticals Holdings, Inc.	8.95	4:00PM EDT	1.65	22.60%	2.15M 1.26M	1.26M	7.25 9.00	1.01 10.78		391.546M
CERC Cerecor Inc.	4.09	4:00PM EDT	0.74	22.09%	1.29M 75,064	75,064	3.76 4.48	1.94 6.37		35.379M
PTX Permix Therapeutics Holdings, Inc.	4.06	4:00PM EDT	0.64	18.71%	1.35M 4,794M	4,794M	3.40 4.48	0.39 4.80		34.559M
WHLM Wilhelmina International, Inc.	10.10	4:00PM EDT	1.35	15.47%	17.07k 2,414	2,414	8.75 13.30	6.00 14.12		70.825M
WINT Windtree Therapeutics, Inc.	2.85	4:00PM EDT	0.37	14.92%	132.60k 88,378	88,378	2.47 2.89	1.70 4.42		23.68M
AHPI	4.46	4:00PM EDT	0.45	11.43%	91.83k	56,760	4.46 4.46	4.46 4.46		0.552M

Stock specific data can be found in two ways:

- ▶ Market Data-click on a specific stock if listed; or
- ▶ Use the “Quote Lookup” box-type in the ticker symbol or name of company



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S&P 500
 2,141.16
 -0.18 (-0.01%)



Dow 30
 18,145.71
 -16.64 (-0.09%)



Nasdaq
 5,180.97
 -76.43 (-1.45%)



Crude Oil
 50.55
 -0.08 (-0.16%)



Gold
 1,267.00
 -0.50 (-0.04%)



WEEK AHEAD: Apple, Alphabet, and America on deck
 Earnings season is in full swing with big names set to announce. [Read More »](#)

You're not ready for a big Internet outage

Why the Brexit still matters to every investor

The No. 1 priority for any business

Quote Lookup

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Recently Viewed >

Symbol	Last Price	Change	% Change
HMNY	9.90	4.29	76.41%
Helios and Matheson Analytics I			
BZZ16...	51.49	0.11	0.21%
Brent Crude Oil Last Day Financ			
AAPL	116.60	-0.46	-0.39%
Apple Inc.			
^GSPC	2,141.16	-0.18	-0.01%
S&P 500			
00030...	3,327.74	9.14	0.28%
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LITHIUM IS OIL OF THE FUTURE

Apple Inc. (AAPL) [Add to watchlist](#)
NasdaqGS - NasdaqGS Real Time Price. Currency in USD

116.60 -0.46 (-0.39%)
At close: October 21 4:00 PM EDT

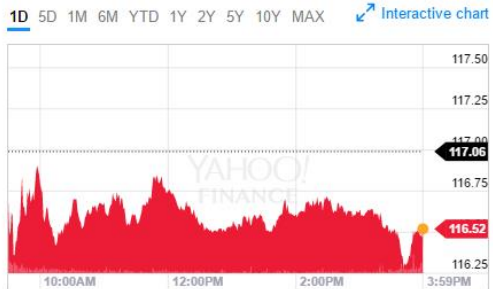
Quote Lookup

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Open	116.81	Market Cap	628.29B
Prev Close	117.06	P/E Ratio (ttm)	13.60
Bid	116.50 x 200	Beta	1.55
Ask	116.54 x 5300	Volume	19,546,100
Day's Range	104.14 - 116.74	Avg Vol (3m)	36,002,757
52wk Range	89.47 - 123.82	Dividend & Yield	2.28 (1.96%)
1y Target Est	128.32	Earnings Date	Oct 25, 2016

Trade prices are not sourced from all markets



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Business Insider • 9 minutes ago
For Microsoft Windows, it's do or die
Microsoft is set to unveil a bunch of new hardware on Wednesday, with the star...



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Earnings > ● Actual ○ Estimate



My demonstration

- ▶ Data: S&P 500
- ▶ Periods: 01/01/2015-01/01/2016
- ▶ Frequency: Daily



My demonstration

- ▶ Data: Apple Inc.
- ▶ Periods: 01/01/2015-01/01/2016
- ▶ Frequency: Daily



Class Exercise

- ▶ Get daily data from 01/01/2015 to 01/01/2016 for the following stocks (or market index)
 - ▶ Microsoft Corporation
 - ▶ Paypal Holding, Inc
 - ▶ Dow Jones Industrial Average
 - ▶ NASDAQ Composite





FRED Quick Guide



FRED

- ▶ Federal Reserve Economic Data (FRED) is a database maintained by the Research division of the Federal Reserve Bank of St. Louis that has more than 381,000 economic time series from 81 sources.
 - ▶ The data can be viewed in graphical and text form or downloaded for import to a database or spreadsheet, and viewed on mobile devices.
 - ▶ They cover banking, business/fiscal, consumer price indexes, employment and population, exchange rates, gross domestic product, interest rates, monetary aggregates, producer price indexes, reserves and monetary base, U.S. trade and international transactions, and U.S. financial data.
-



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Browse data by [Tag](#), [Category](#), [Release](#), [Source](#), [Release Calendar](#) or [Get Help](#)

FRED News

Changes to Interest Rate Series in FRED

FRED-MD Has Been Updated

FRED Blog

Show me older men: A picture of employment cycles and demographics

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Google Play.



ECONOMIC DATA | ST. LOUIS FED

AT A GLANCE POPULAR SERIES LATEST RELEASES TOOLS NEED HELP?

CPI

+1.5 % Chg. from Yr. Ago on Sep 2016



Real GDP

1.4 % Chg. from Preceding Period
on Q2 2016



IP

+0.1 % Chg. on Sep 2016



10-Yr. Treas. Rate

1.76 % on 2016-10-20



US/Euro FX Rate

1.0985 U.S. \$ to 1 Euro on 2016-10-14



Civ. Unemploy. Rate

5.0 % on Sep 2016



Payroll Employment

+156 Chg., Thous. of Persons
on Sep 2016



Initial Jobless Claims, 4-Week Moving Average

251750 on 2016-10-15



My demonstration

- ▶ Data: US CPI
- ▶ Periods: 1990 – 2015
- ▶ Frequency: Semiannual



Consumer Price Index for All Urban Consumers: All Items (CUUS0000SA0)

DOWNLOAD 

Observation:
H1 2016: **238.778** (+ more)
Updated: Oct 18, 2016

Units:
Index 1982-1984=100,
Not Seasonally Adjusted

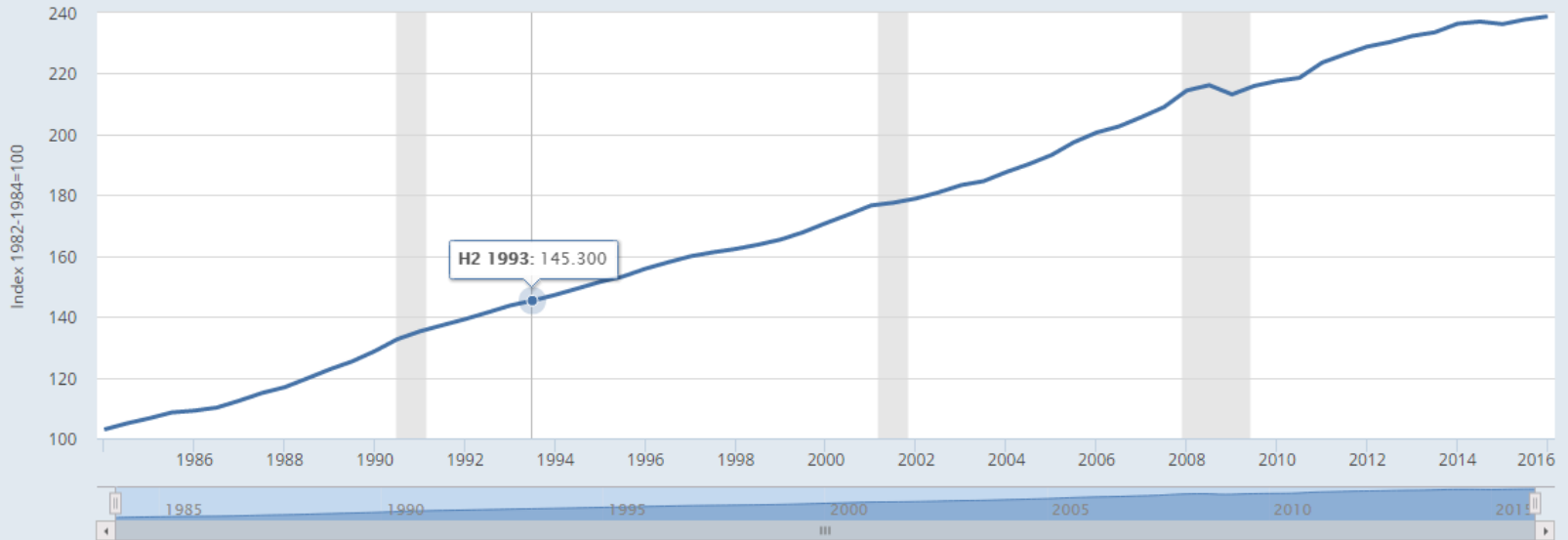
Frequency:
Semiannual

1Y | 5Y | 10Y | Max

1984-01-01 to 2016-01-01

EDIT GRAPH 


FRED — Consumer Price Index for All Urban Consumers: All Items




Shaded areas indicate US recessions

Source: US, Bureau of Labor Statistics

fred.stlouisfed.org

Share Links 

Account Tools 



NOTES

Source: US, Bureau of Labor Statistics  Release: Consumer Price Index 

My demonstration

- ▶ Data: US Export to China, Seasonally Adjusted
- ▶ Periods: 1995 – 2014
- ▶ Frequency: Monthly



Home > Categories > International Data > Countries > China

Exports: Value Goods for China (XTEXVA01CNM6675)

DOWNLOAD

Observation:
Mar 2015: **148,852,436,192.56500**
(+ more)
Updated: Apr 29, 2015

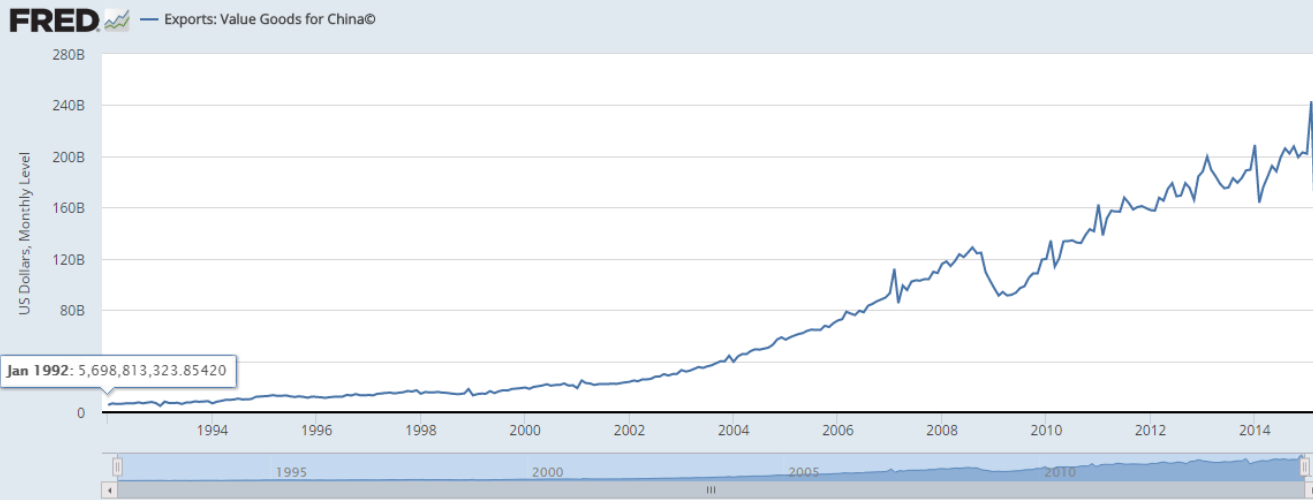
Units:
US Dollars, Monthly Level,
Seasonally Adjusted

Frequency:
Monthly

1Y | 5Y | 10Y | Max

1992-01-01 to 2015-03-01

EDIT GRAPH



Data in this graph is copyrighted. Please review the copyright information in the series notes before sharing.

Share Links

Account Tools



NOTES

My demonstration

- ▶ Data: S&P 500
- ▶ Periods: 2006-2016
- ▶ Frequency: Daily



Home > Categories > Money, Banking, & Finance > Financial Indicators > Stock Market Indexes

S&P 500® (SP500)

DOWNLOAD

Observation:
2016-10-21: **2,141.16** (+ more)
Updated: Oct 21, 2016

Units:
Index,
Not Seasonally Adjusted

Frequency:
Daily

1Y | 5Y | 10Y | Max

2006-10-20 to 2016-10-21

EDIT GRAPH

FRED — S&P 500®



Shaded areas indicate US recessions

Source: S&P Dow Jones Indices LLC

fred.stlouisfed.org

Data in this graph is copyrighted. Please review the copyright information in the series notes before sharing.

Share Links

Account Tools



NOTES

Class Exercise

- ▶ Get time series data for the following economic index (Any periods)
 - ▶ US Gross Domestic Product (quarterly)
 - ▶ M1 Money Supply(monthly)
 - ▶ M2 Money Supply(monthly)
 - ▶ US Population (monthly)
 - ▶ USD/GBP Currency Exchange Rate (Daily)
 - ▶ JPN/USD Currency Exchange Rate (Daily)
 - ▶ CAD/USD Currency Exchange Rate (Daily)
 - ▶ CNY/USD Currency Exchange Rate (Daily)





OECD Quick Guide

OECD Example Statistics

- ▶ Banking Statistics
- ▶ Economic Outlook
- ▶ Education Statistics
- ▶ Employment and Labour Market Statistics
- ▶ Health Statistics
- ▶ Insurance Statistics
- ▶ International Development Statistics
- ▶ International Direct Investment Statistics
- ▶ International Migration Statistics
- ▶ Statistics on International Trade in Services



My demonstration

- ▶ Data: GDP
- ▶ Country: European Union (28)
- ▶ Periods: 1980-2015
- ▶ Currency: USD
- ▶ Frequency: Annual



imports: final consumption expenditures, gross capital formation, and exports less imports. "Gross" signifies that no deduction has been made for the depreciation of machinery, buildings and other capital products used in production. "Domestic" means that it is production by the resident institutional units of

[» More ...](#)

National Accounts at a Glance

PUBLICATION (2015)

Indicators

- ❖ Gross domestic product (GDP)
- ❖ Real GDP forecast
- ❖ Nominal GDP forecast
- ❖ GDP long-term forecast
- ❖ Quarterly GDP
- ❖ Investment (GFCF)
- ❖ Investment forecast
- ❖ Investment by asset
- ❖ Investment by sector
- ❖ Domestic demand forecast

Gross domestic product (GDP) Total, US dollars/capita, 1980 – 2015 Source: Aggregate National Accounts, SNA 2008 (or SNA 1993); Gross domestic product

Show: [Chart](#) [Map](#) [Table](#) [Fullscreen](#) [Share](#) [Download](#) [My pinboard](#)

Location	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Austria	10 548 ^e	11 487 ^e	12 436 ^e	13 333 ^e	13 814 ^e	14 605 ^e	15 233 ^e	15 824 ^e	16 894 ^e	18 151 ^e	19 491 ^e	20 626 ^e	21
Belgium	10 491 ^e	11 440 ^e	12 225 ^e	12 749 ^e	13 526 ^e	14 187 ^e	14 734 ^e	15 441 ^e	16 679 ^e	17 863 ^e	19 052 ^e	19 971 ^e	20
Czech Republic	..	..	..	..	..	..	..	..	..	..	12 680 ^e	11 641 ^e	11
Denmark	10 193 ^e	11 050 ^e	12 181 ^e	13 008 ^e	14 039 ^e	15 065 ^e	16 108 ^e	16 544 ^e	17 089 ^e	17 848 ^e	18 777 ^e	19 631 ^e	20
Estonia	..	..	..	..	..	..	..	..	..	..	..	..	..
Finland	9 112	10 048	10 940	11 657	12 392	13 186	13 773	14 586	15 837	17 228	17 906	17 313	17
France	9 656	10 612	11 483	12 022	12 578	13 125	13 636	14 267	15 378	16 573	17 591	18 274	18
Germany	10 193 ^e	11 188 ^e	11 847 ^e	12 543 ^e	13 402 ^e	14 185 ^e	14 798 ^e	15 383 ^e	16 428 ^e	17 605 ^e	19 049 ^e	20 531	21
Greece	8 607 ^e	9 183 ^e	9 582 ^e	9 796 ^e	10 296 ^e	10 851 ^e	11 090 ^e	11 078 ^e	11 915 ^e	12 781 ^e	13 161 ^e	13 903 ^e	14
Hungary	..	..	..	..	..	..	..	..	..	..	..	8 290 ^e	8
Ireland	6 438 ^e	7 185 ^e	7 722 ^e	7 950 ^e	8 532 ^e	9 046 ^e	9 186 ^e	9 857 ^e	10 771 ^e	11 911 ^e	13 413 ^e	14 047 ^e	14
Italy	9 628 ^e	10 602 ^e	11 299 ^e	11 878 ^e	12 694 ^e	13 462 ^e	14 126 ^e	14 947 ^e	16 112 ^e	17 292 ^e	18 273 ^e	19 153 ^e	19
Latvia	..	..	..	..	..	..	..	..	..	..	..	..	..

Perspectives: Total | US dollars/capita

Countries: Highlighted Countries (1)

Time: **yearly** | quarterly | monthly

latest data available

1980 – 2015

My demonstration

- ▶ Data: CO2 emissions
- ▶ Country: G20
- ▶ Periods: 2000-2015
- ▶ Frequency: Annual



Air and GHG emissions

Related topics

[Environment](#)

Latest publication

[Environment at a Glance](#)

PUBLICATION (2015)

Greenhouse gases refer to the sum of seven gases that have direct effects on climate change : carbon dioxide (CO2), methane (CH4), nitrous oxide (N2O), chlorofluorocarbons (CFCs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF6) and nitrogen trifluoride (NF3). The data are expressed in CO2 equivalents and refer to gross direct emissions from human activities. CO2 refers to

[» More ...](#)

Indicators

[» Air and GHG emissions](#)

Air and GHG emissions Carbon dioxide (CO2), Tonnes/capita, 2000 – 2012

Source: Indicators for CO2 emissions

Location	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Argentina	3.780	3.460	3.230	3.450	3.830	3.870	4.070	4.210	4.450	4.220	4.300	4.440	4.500
Australia	17.510	17.610	17.820	17.850	18.350	18.310	18.280	18.410	18.150	18.070	17.390	17.150	16.900
Brazil	1.670	1.690	1.670	1.610	1.680	1.670	1.670	1.740	1.810	1.680	1.900	1.980	2.100
Canada	16.810	16.380	16.400	16.890	16.480	16.610	16.100	16.850	16.210	14.990	15.150	15.270	15.000
China (People's Republic of)	2.590	2.630	2.770	3.190	3.680	4.120	4.490	4.750	4.800	4.980	5.300	6.280	6.300
France	5.990	6.000	5.870	5.920	5.890	5.860	5.670	5.520	5.430	5.160	5.230	4.750	4.700
Germany	9.880	10.100	9.920	9.950	9.750	9.540	9.700	9.320	9.440	8.800	9.280	8.940	9.000
India	0.860	0.860	0.870	0.880	0.930	0.960	1.020	1.090	1.150	1.270	1.320	1.360	1.400
Indonesia	1.240	1.310	1.320	1.430	1.440	1.440	1.500	1.550	1.520	1.560	1.590	1.600	1.600
Italy	7.380	7.370	7.480	7.750	7.860	7.840	7.680	7.510	7.240	6.440	6.550	6.400	6.000
Japan	9.120	9.000	9.260	9.300	9.310	9.360	9.250	9.540	8.880	8.410	8.790	9.210	9.500

Perspectives: Carbon dioxide (CO2) | Countries: Highlighted Countries (1) | Time: yearly | quarterly | monthly

My demonstration

- ▶ **Data: Income Inequality**
- ▶ **Country: G7**
- ▶ **Periods: 2000-2015**
- ▶ **Frequency: Annual**





Income inequality

Related topics

[Society](#)

Income is defined as household disposable income in a particular year. It consists of earnings, self-employment and capital income and public cash transfers; income taxes and social security contributions paid by households are deducted. The income of the household is attributed to each of its members, with an adjustment to reflect differences in needs for households of different sizes. Income inequality

[More ...](#)

Latest publication

[In It Together: Why Less Inequality Benefits All](#)

PUBLICATION (2015)

Indicators

- Income inequality
- Poverty rate
- Poverty gap
- Discriminatory family code
- Violence against women
- Women Political Voice
- Social Institutions and Gender

Income inequality

Gini coefficient, 0 = complete equality; 1 = complete inequality, 2002 – 2014

Source: Income distribution

Location	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Canada	0.316	0.318	0.316	0.318	0.316	0.314	0.321	0.322	..
France	0.308	0.294	..
Germany	0.285	..	..	0.291	0.289	0.292	..
Italy	0.331	0.324	0.325	0.313	0.317	0.316	0.323	0.327	0.331	0.325	..
Japan	0.336	..	..	0.330	..	..
United Kingdom	0.359	0.353	0.354	0.359	0.364	0.373	0.369	0.374	0.351	0.354	0.351	0.358	..
United States	0.396	0.394

Information on data for Israel: <http://oe.cd/israel-disclaimer>

.. Not available; | Break in series; e Estimated value; f Forecast value; x Not applicable; p Provisional data; s Strike; - Nil;

Class Exercise

- ▶ Get time series data for the following economic index (Any periods, Any frequency G20 countries)
 - ▶ CPI
 - ▶ M1
 - ▶ M3
 - ▶ Business confidence index (BCI)
 - ▶ GDP per capita
 - ▶ FDI stocks
 - ▶ Short-term interest rates
 - ▶ Long-term interest rates

