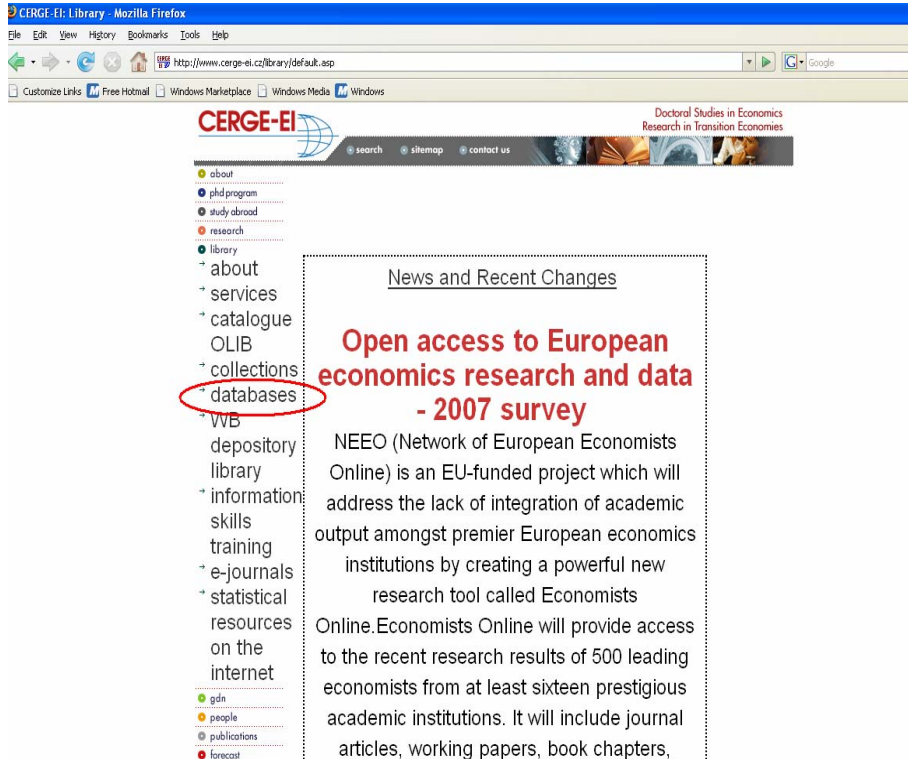


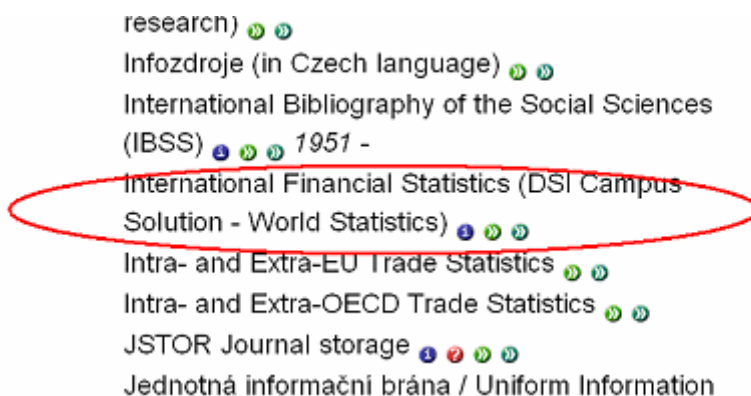
How to obtain data from International Financial Statistics (IFS) of the International Monetary Fund?

The *International Financial Statistics* database can be accessed on-line from any computer in CERGE-EI.

1. Go to → www.cerge-ei.cz/library
2. A link to the databases is located on the left side of the webpage.



3. Under this link we can find enlisted all databases accessible from the CERGE-EI network. Amongst them is *International Financial Statistics*.



4. Along with the other DSI Campus Solution databases is *World Statistics* database.

The screenshot shows the 'Internet Data Shop' interface. At the top, there are links for 'User Guide' and 'Advanced Search'. Below these is a search bar with the text 'search'. The main menu is titled 'Full DSI Campus Solution' and lists several database categories. The 'World Statistics' link is circled in red. Other categories include OECD Statistics, Intra- Extra-OECD Trade, Eurostat Statistics, Eurostat Statistics - Agriculture, forestry and fisheries, Intra- and extra-EU Trade Statistics, Europroms - Production and external trade statistics of the EU, US Statistics, and German Statistical Office, German FED.

World Statistics
OECD Statistics
Intra- Extra-OECD Trade
Eurostat Statistics
Eurostat Statistics - Agriculture, forestry and fisheries
Intra- and extra-EU Trade Statistics
Europroms - Production and external trade statistics of the EU
US Statistics
German Statistical Office, German FED

5. Under *World Statistics* link we can find *IMF* database

The first screenshot shows the 'World Statistics' page with a search bar labeled 'search in source'. Below the search bar, there are two tabs: 'All Sources' and 'Source World Statistics'. A list of sources is displayed, with 'IMF, International Monetary Fund, Washington' circled in red. A 'top' link is visible below the list.

All Sources	Source World Statistics
UNIDO, United Nations Industrial Development Organisation, Vienna	
IMF, International Monetary Fund, Washington	

[top](#)

The second screenshot shows the 'World Statistics' page with the 'Source World Statistics' tab selected. The list of sources is filtered, and 'International Financial Statistics' is circled in red. A 'top' link is visible below the list.

All Sources	Source World Statistics
IMF, International Monetary Fund, Washington	
International Financial Statistics	

[top](#)

6. Finally, under *International Financial Statistics* one obtains access to the following time series:

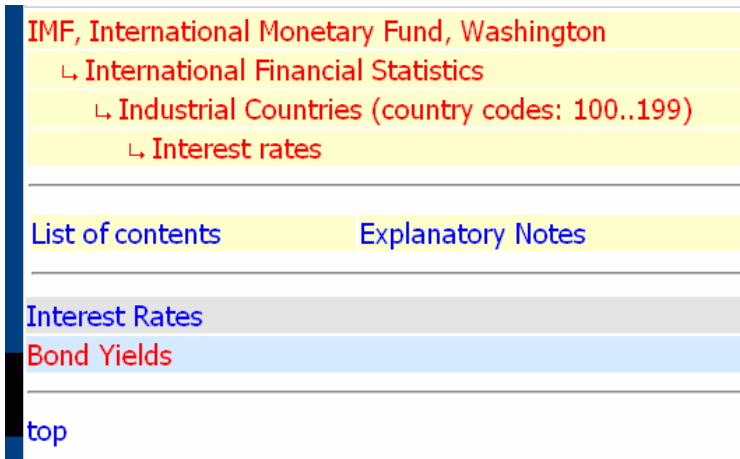
The screenshot shows the 'Internet Data Shop' interface. On the left is a dark blue sidebar with the text 'Internet Data Shop' in yellow. At the top of the main content area is a search bar with the text 'search in source'. Below this is a dark blue header with the text 'World Statistics' in white. Underneath the header is a table with two columns: 'All Sources' and 'Source World Statistics'. The 'Source World Statistics' column contains a list of sources, with 'IMF, International Monetary Fund, Washington' and its sub-item 'International Financial Statistics' highlighted in yellow. Below this is a list of regions, each on a separate row with a light blue background: 'Regions (country codes: 001..96)', 'Industrial Countries (country codes: 100..199)', 'Western Hemisphere (country codes: 200..399)', 'Middle East (country codes: 405..489)', 'Asia (country codes: 505..598)', 'Africa (country codes: 605..799)', and 'Other Countries (country codes: 810..999)'. At the bottom left of the sidebar, there is a small red and black logo.

To illustrate how to obtain a chosen time series let's take an example of the Finnish monthly government bond yields.

7. Finnish data will be found among *Industrial Countries* data.

This screenshot shows a continuation of the navigation path. It features a yellow background for the selected path: 'IMF, International Monetary Fund, Washington', 'International Financial Statistics', and 'Industrial Countries (country codes: 100..199)'. Below this is a table with two columns: 'List of contents' and 'Explanatory Notes'. Underneath is a list of data series categories, each on a separate row with a light blue background: 'Exchange rate, Fund position or international liquidity series', 'Monetary authorities', 'Deposit money banks / Banking institutions', 'Monetary survey', 'Other banking / nonbank financial institutions', 'Banking survey / financial survey', 'Interest rates' (circled in red), 'Prices', and 'Production'.

8. Next, bond yield belongs to *Interest rates* series.



IMF, International Monetary Fund, Washington

- ↳ International Financial Statistics
 - ↳ Industrial Countries (country codes: 100..199)
 - ↳ Interest rates


List of contents Explanatory Notes

Interest Rates

Bond Yields

[top](#)

9. Once the type of data (*Bond Yields*) is selected we need to select the country for which the data is to be extracted. We tick Finland.



IMF, International Monetary Fund, Washington

- ↳ International Financial Statistics
 - ↳ Industrial Countries (country codes: 100..199)
 - ↳ Interest rates
 - ↳ Bond Yields

	select all *	deselect all *
<input type="checkbox"/>	Australia	
<input type="checkbox"/>	Austria	
<input type="checkbox"/>	Belgium	
	Belgium-Luxembourg	
<input type="checkbox"/>	Canada	
<input type="checkbox"/>	Denmark	
<input type="checkbox"/>	Euro Area	
	Europe	
	European Central Bank	
<input checked="" type="checkbox"/>	Finland	
<input type="checkbox"/>	France	
<input type="checkbox"/>	Germany	

10. Now, we may either:

- save the selection (and next add to the chosen time series another one)
- or deselect the chosen series
- or view the chosen series.

Since we want to obtain only the Finish monthly government bond yields we use 'view table' option.

The screenshot shows the 'Source World Statistics' interface. At the top, there are tabs for 'All Sources' and 'Source World Statistics'. Below that is a 'my Reports' section with 'select all *' and 'deselect all *' buttons. The search results show 'Hits = 1' for 'Government Bond Yield /percent per annum /averages /Cnt: Finland /Source: IMF, Wash YQM'. Below the results, there are 'select all *' and 'deselect all *' buttons. At the bottom, there is a note '* Select/ deselect all hits on this page' and three buttons: 'view table' (circled in red), 'save selection', and 'delete complete selection'.

11. 'View table' takes us to the tables with all available frequencies. In our case we obtain annual, quarterly and monthly data.

The screenshot shows the 'View table' interface. At the top, there is a 'top' link and a search result for 'Government Bond Yield /percent per annum /averages /Cnt: Finland /Source: IMF, Wash'. Below that, there are several buttons: 'export table' (circled in red), 'Separator (;) (,)', 'Graphics', 'Statistics', 'Forecast', 'Calculator', 'Date Range', and 'export all' (circled in green). Below the buttons, there is a table with the following data:

monthly	172 61...
1992/11	12.00
1992/12	11.00
1993/1	10.90
1993/2	10.30

We want just monthly data on the Finish government bond yields. On the level of each table, we may:

- **export the table** or **export all the tables** using two different separators
- get a chart of data

- calculate different statistics for **chosen data points** or the **whole sample**

Mean, Standard Deviation
 Moving Average Central
 Moving Average Length 1 to 516
 Growth Rates relative to previous periode
 Growth Rates relative to previous periode t -
 Lag Time Lag -516 to 516
 Aggregate/Mean across series
 from code to code from date to date
 enable selection

172 61... Government Bond Yield /percent per annum /averages /Cnt: Finland /Source: IMF, Wash	
monthly	172 61...
<input type="checkbox"/> 1992/11	1
<input type="checkbox"/> 1992/12	1
<input type="checkbox"/> 1993/1	1
<input type="checkbox"/> 1993/2	1
<input type="checkbox"/> 1993/3	
<input type="checkbox"/> 1993/4	
<input type="checkbox"/> 1993/5	

- change the data range (subsample)

172 61... Government Bond Yield /percent per annum /averages /Cnt: Finland /Source: IMF, Wash

monthly	172 61...
1992/11	12.00
1992/12	11.00
1993/1	10.90
1993/2	10.30
1993/3	9.90
1993/4	9.90

- forecast out of the subsample
- transform raw data (Calculator)

172 61... Government Bond Yield /percent per annum /averages /Cnt: Finland /Source: IMF, Wash

monthly	172 61...
1992/11	12.00
1992/12	11.00
1993/1	10.90

and compute the altered variable by multiplication, division, taking square root, and so on.....

Multiply - Multiplicator :
 Divide - Divisor :
 Exponent - Exponent (-99 - +99) :
 Square Root
 Exp
 Ln
 Sin
 Cos

from code to code from date to date

enable selection

172 61... Government Bond Yield /percent per annum /averages /Cnt: Finland /Source: IMF, Wash	
monthly	<input type="checkbox"/> 172 61...
<input type="checkbox"/> 1992/11	12.00
<input type="checkbox"/> 1992/12	11.00
<input type="checkbox"/> 1993/1	10.90
<input type="checkbox"/> 1993/2	10.30
<input type="checkbox"/> 1993/3	9.90
<input type="checkbox"/> 1993/4	9.80
<input type="checkbox"/> 1993/5	9.50
<input type="checkbox"/> 1993/6	9.10

12. Finally, the data is extracted and saved in .csv file.