It's Out There — But Where?: Tracking Down, Sorting Through, and Utilizing Open International Economic Data

Beyond the Numbers

Economics and Data for Information Professionals

Federal Reserve Bank of St. Louis

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Who we are

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What we have to say

- Open international economic information and data
 - ▶ The past, the present, and the future
- Best bet resources
 - ... and when to use what
- Promotion and teaching methods
- Remaining in-the-know
- A look ahead



UNdata

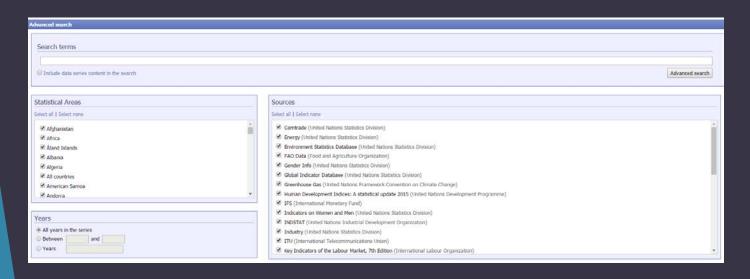
- http://data.un.org
- Launched by the United Nations Statistics Division (UNSD) as part of the 2005 project "Statistics as a Public Good"
- Geared for students, journalists, decision makers and analysts, and citizens all over the world
- Official statistics and data produced by countries concerning...
 - Agriculture
 - Employment
 - Energy
 - Industry
 - Population
 - Tourism
 - ► Trade ...

UNdata

- Keyword searches, Advanced Search platform, Database "Explorer"
- ▶ Up to 50,000 records at any one time
- Record view/table view

Access through an SDMX-based web service, as well as several third-party projects currently

providing API access to UNdata



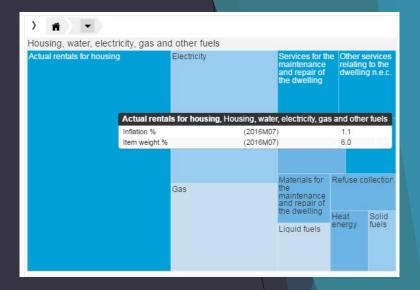
Explorer	
Datasets Sources Topics	
Commodity Trade Statistics Database United Nations Statistics Division (UNSD)	
Energy Statistics Database United Nations Statistics Division (UNSD)	
Environment Statistics Database United Nations Statistics Division (UNSD)	
FAO Data Food and Agriculture Organization (FAO)	
Gender Info United Nations Statistics Division (UNSD)	
Global Indicator Database United Nations Statistics Division (UNSD)	
Greenhouse Gas Inventory Data United Nations Framework Convention on Climate Change (UNFCCC)	
Human Development Indices: A statistical update 2015 United Nations Development Programme (UNDP)	i,
■ INDSTAT United Nations Industrial Development Organization (UNIDO)	
➡ Industrial Commodity Statistics Database United Nations Statistics Division (UNSD)	
■ International Financial Statistics International Monetary Fund (IMF) ■	
🖶 Key Indicators of the Labour Market, 7th Edition International Labour Organization (ILO) 👔	
LABORSTA International Labour Organization (ILO)	
Hillennium Development Goals Database United Nations Statistics Division (UNSD) 🛙 🚫	
■ National Accounts Estimates of Main Aggregates United Nations Statistics Division (UNSD)	
National Accounts Official Country Data United Nations Statistics Division (UNSD)	
DECD Data Organisation for Economic Co-operation and Development (OECD)	
🖶 Sustainable Development Goals Indicators United Nations Statistics Division (UNSD) 👔 🚫	
The State of the World's Children United Nations Children's Fund (UNICEF)	
UNAIDS Data Joint United Nations Programme on HIV/AIDS (UNAIDS)	
UNHCR Statistical Database United Nations High Commissioner for Refugees (UNHCR)	
UNODC Homicide Statistics 2012 United Nations Office on Drugs and Crime (UNODC)	
UNSD Demographic Statistics United Nations Statistics Division (UNSD)	

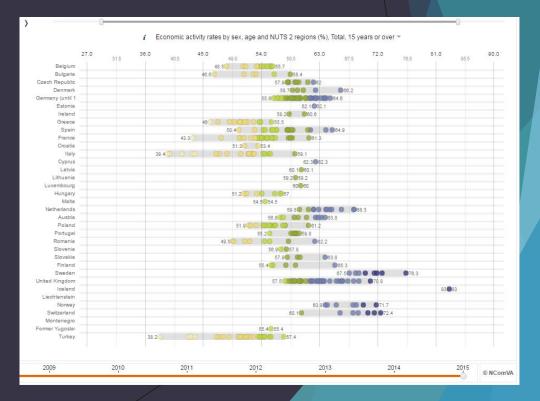
- <u>Ec.Europa.eu/Eurostat</u>
- Initially established to meet the needs of the Coal and Steel Community in 1953
- Processes and publishes comparable and high quality statistical information on a wide variety of topics at the European level
- Information on national accounts, prices, and key indicators
- Sectoral and regional statistics, social statistics, and global business statistics

- Economic Trends
- Government Expenditure in the EU
- Inflation Dashboard
- My Country in a Bubble
- Statistical Atlas

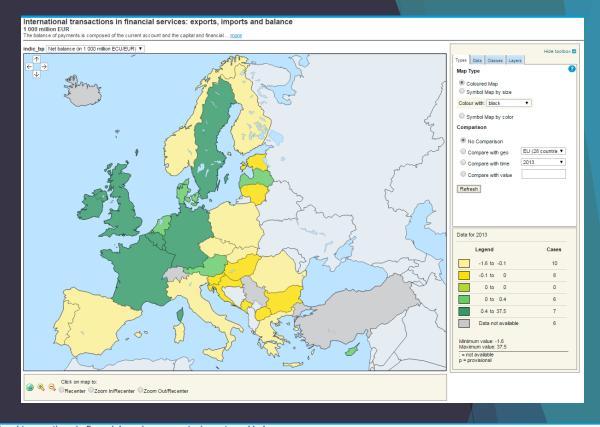


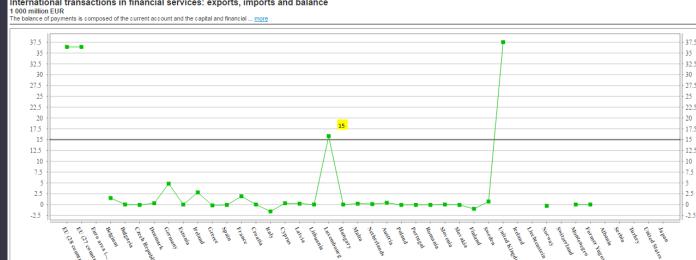
- Statistics Illustrated
- Regional Statistics Illustrated
- Inflation Statistics Illustrated
- Europe 2020 Statistics Illustrated





- Data Explorer
- ► Tables, graphs, and maps
- Other extraction tools
- Mobile apps





World Bank Open Data

- Data.worldbank.org
- Coordinated by the Development Data Group at the World Bank, with input from the Bank's regions and Global Practices.
- Finding, managing, and utilizing of World Bank data, including access to macro, financial, and sector databases.
- Primarily classified by geographic regions, income groups, and operational lending categories.
- Data consistency, changes in terminology, aggregation rules, growth rates, and various conversion factors.

World Bank Open Data

- World Development Indicators
- Browse and analyze raw data concerning the World Bank Group's financing,
 - Information on disbursements and management of global funds.
- Historical information regarding all of the World Bank's lending projects ranging from 1947 to the present time.
- Open data catalog

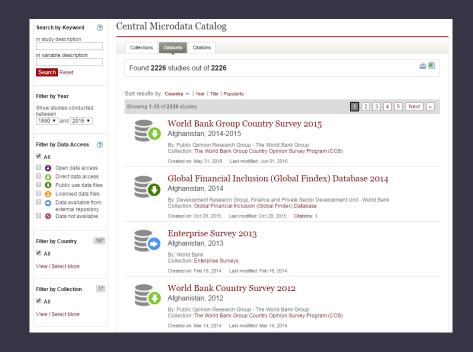


4.16 World Development Indicators: Exchange rates and prices

	Official exchange rate				Purchasing power parity (PPP) conversion factor				PPP con or to ma hange r	rket	Real ef	fective e rate	xchange	GDP implicit deflator			Consu	mer pric	e index	Wholesale price index		
	local currency units to \$			local currency units to international \$							Index 2010 = 100			average annual % growth			average annual % growth			average annual % growth		
	2000- 2014	2013	2014	2000	2000- 2014	2013	2014	2000- 2014	2013	2014	2000- 2014	2013	2014	1990- 2000	2000- 2014	2014	1990- 2000	2000- 2014	2014	1990- 2000	2000- 2014	2014
Afghanist	t an 86	55.38	57.25	9.6	5.8	19.0	18.8	4.6	0.3	0.3	-	-	-	-	8.0	248.7	-	7.4	133.1	-		
Albania -	-2.22	105.67	105.48	41.9	0.4	44.8	43.3	2.6	0.4	0.4	_	_	_	38.1	2.9	187.2	27.8	2.8	109.4	_	3.3	102.5
Algeria	80.0	79.37	80.58	16.3	5.9	31.6	31.0	5.8	0.4	0.4	-0.8	103.3	105.4	18.4	8.1	4,051.6	17.3	4.0	120.9	-	3.6	106.1
American Samoa	٠	-							-	-	-	-	-	-	-		-			-		-
Andorra									-	-	-	-	-	4.5	2.4	134.1	-			-		
Angola	11.19	96.52	98.30	2.0	23.3	72.4	70.3	10.9	8.0	0.7	-	-	-	740.8	25.9	760.6	578.7	25.9	146.0	-	-	
Antigua and Barbuda	0.00	2.70	2.70	1.8	-0.2	1.7	1.6	-0.2	0.6	0.6	-1.1	102.1	99.5	3.0	1.9	112.6	-	2.3	109.3	-	-	
Argentina	11.13	5.46	8.08			2.7			_	_	_	-	_	5.2	17.3	507.1	_		105.5	0.1	14.4	187.8
Armenia -	-3.17	409.63	415.92	144.9	2.4	196.8	198.9	5.8	0.5	0.5	3.2	98.0	101.8	212.5	4.6	234.3	66.7	4.8	120.3	-	4.7	130.9
Aruba	0.00	1.79	1.79			1.3			0.7	-	_	_	_	2.4	4.6		3.8	3.0	102.9	-		
Australia-	-4.44	1.04	1.11	1.3	1.0	1.4	1.5	5.8	1.5	1.3	3.4	105.2	100.1	1.6	3.7	100.0	2.1	2.8	110.4	1.1	2.7	107.2
Austria				0.9	-0.9	8.0	8.0	2.0	1.1	1.1	0.3	101.0	102.3	1.7	1.8	107.2	2.2	2.0	109.7	0.3	2.4	107.6
Azerbaija	r1.74	0.78	0.78	0.2	7.0	0.4	0.4	8.8	0.5	0.4	-	-	-	203.0	9.2	281.5	-			-		
Bahamas The	0.00	1.00	1.00	1.0	-0.7	1.0	0.9	-0.7	1.0	0.9	-1.1	98.4	98.6	5.6	1.4	106.6	2.1	2.2	107.2	-		-
	0.00	0.38	0.38	0.1	3.5	0.2	0.2	3.5	0.6	0.5	-2.8	98.4	100.7	1.1	5.7	113.0	0.8	2.1	108.6	-		
Banglade		78.10	77.64	15.7	4.1	25.9	27.0	1.0	0.3	0.3	-	-	-	5.8	6.3	173.6	5.5	7.2	135.3	-	-	
Barbados		2.00	2.00	2.0	-0.2	1.9	1.9	-0.2	1.0	1.0	-	-	-	3.3	1.9	783.9	2.5	4.7	118.7	-		
Belarus	15.78	8,880.05	10,224.1		23.0	3,877.9	4,495.8	5.7	0.4	0.4	-	-		355.1	25.6	3,781.8	-			-		
Belgium				0.9	-0.6	0.8	0.8	2.2	1.1	1.1	0.6	100.4	99.7	1.8	1.8	106.2	1.9	2.2	108.0	1.2	2.8	108.5
	0.00	2.00	2.00	1.2	-0.2	1.2	1.2	-0.2	0.6	0.6	-1.2	90.6	91.2	1.7	1.8	125.5	2.1	2.4	99.3	-		
Bernin - Bermuda	-2.78	1.00	1.00	201.7	1.4	225.7 1.6	219.2 1.6	3.6	0.5 1.6	1.6	-	-	-	9.5 6.4	2.9 3.6	123.1 118.6	8.7	3.2	109.5	-	-	
Bhutan	1.47	58.60	61.03	12.3	3.3	18.8	19.9	1.8	0.3	0.3	_	_	-	9.3	5.5	215.5	9.2	3.9	139.8	_		-
	-0.10	6.91	6.91	1.8	5.0	3.2	3.2	5.1	0.5	0.5	1.1	113.1	122.1	8.6	7.2	561.7	8.7	5.8	128.4	-	-	-
Bosnia	-2.78	1.47	1.47	0.7	-0.1	0.7	0.7	2.7	0.5	0.5	-	-	-	4.1	3.3	104.1	-	2.4	104.7	-	_	
Botswan		8.40	8.98	2.1	5.1	3.7	4.0	1.3	0.4	0.4				10.1	7.3	166.4	10.4	8.4	128.9			
	-1.87	2.16	2.35	0.8	5.9	1.6	1.7	7.9	0.4	0.4	4.2	87.9	87.0	212.3	8.1	301.7	199.5	6.2		204.9	8.0	128.4
Brunei Darussala	-2 97	1.25	1.27	0.5	2.7	0.7	0.7	5.9	0.5	0.6	-	-		1.3	4.9	182.6	2.2	0.8	102.7	-		
Bulgaria -		1.47	1.47	0.5	2.0	0.7	0.7	4.9	0.5	0.5	3.1	102.0	101.4	102.2	5.1	108.2	117.5	5.3	106.7	85.7	5.5	111.0
Burkina	-2.78	494.04	494.41	194.8	0.9	221.3	216.9	3.8	0.4	0.4	-	-	_	3.8	3.0	146.6	5.5	2.8	107.0	-	-	-
Burundi	4.62	1,555.09	1,546.69	164.0	9.6	537.3	572.5	4.8	0.3	0.4	0.0	102.2	106.4	14.5	11.9	267.9	16.1	10.1	145.9	_		
Coho	-2.78	83.05	83.11	48.8	-0.2	47.4	46.2	2.6	0.6	0.6	_	_	-	-0.3	1.9	109.3	5.5	2.6	108.5	-		-

World Bank Open Data

- DataBank
- Microdata Library
- AidFlows
- Global Consumption Database
- Open Data Toolkit



Joint External Debt Hub Brings together external debt data and selected foreign assets from international creditor/market sources - jointly developed by the Bank for International Settlements (BIS) the International Monetary See more + External Debt, Selected Foreign Assets Last Updated:09/07/2016 Global Economic Prospects Examines growth trends for the global economy and how they affect developing countries. The reports include three-year forecasts for the global economy and long-term global scenarios which look ten years into the future. Poverty Reduction and Global Economy Last Updated:01/06/2016 Africa Development Indicators Africa Development Indicators 2012/13 provides the most detailed collection of data on Africa available in one volume. It contains macroeconomic, sectoral, and social indicators, covering 53 African countries. See more + Povertv.Education.Africa.Social Development Last Updated:02/22/2013 Global Economic Monitor (GEM) Commodities Collection of monthly commodities prices and indices from 1960 to present, updated on the third working day of each month, as presented in the Commodity Price Data (a.k.a. Pink Sheet), published continuously for more than half a century. Commodity Price Data Last Updated:06/30/2015 Global Economic Monitor (GEM) Daily updates of global economic developments for high income and developing countries - covers exchange rates, equity markets, interest rates, stripped bond spreads, and emerging market bond indices. See more + Exchange rates, Equity markets, Interest rates m bond inices Last Undated: 11/30/2015 The Atlas of Social Protection: Indicators of Resilience and Equity (ASPIRE) The World Bank's ASPIRE online tool is the most up-to-date compilation of global social protection and labor (SPL) indicators, based on household survey and administrative data from 120 countries-mostly See more + Last Updated:07/26/2016 Country Policy and Institutional Assessment The World Bank's Country Policy and Institutional Assessment is done annually for all its borrowing countries. It has evolved into a set of criteria, which are grouped in four clusters: (a) economic management; See more + Service Delivery Indicators The Service Delivery Indicators program is an application of the principles of the 2004 World Development Report Making Services Work for Poor People. The Service Delivery Indicators project is a new Africa-wide See more + Last Undated:11/19/2013

Wealth Accounting supplements macroeconomic indicators, such as Gross Domestic Product (GDP), by measuring the comprehensive

wealth of a country. While changes in GDP tell us if growth is occurring, changes See more +

Wealth Accounting

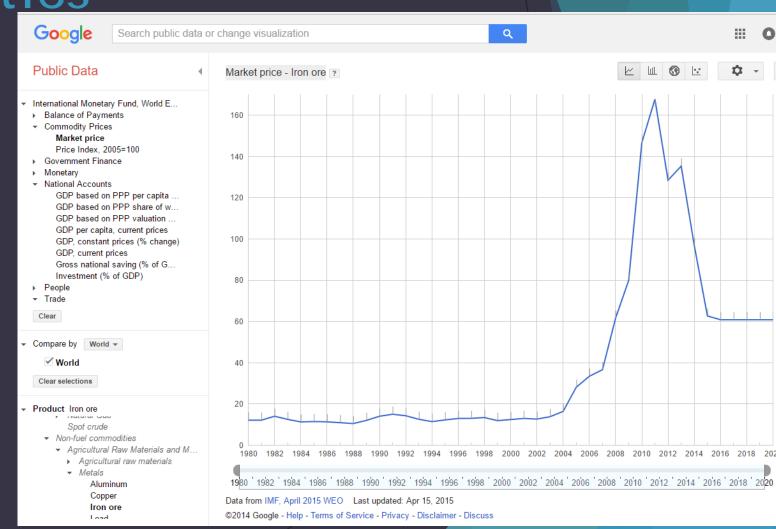
World Bank Group Archives

- World Bank documentation (1947 to present)
- ▶ Policy/procedure, litigation process, assessment documents
- Onsite records and digital objects
- Highlights
 - Operational Correspondence by Country (includes segmentation)
 - Negotiations process between WBG and government bodies
 - ► Final evaluations of implemented projects
- ► Take-away: Context



International Monetary Fund Data and Statistics

- Currency research
- Global, Region, Country Stats
- Financial Access Survey
- Highlights
 - Commodity Pricing research
 - ► World Economic Outlook
 - Open Data Visualization Tool
- ► Takeaway- Scale



Comparison + Assessment

- Assessing Resources means Assessing Desired Outcomes
 - ▶ High-level vs. Narrow focus
 - ▶ Determinants: Location, Mission, Context
 - Example: Researcher tracking effect of commodity dumping...
 - ► Emerging Markets: World Bank; Currency flux: IMF
 - ▶ UNData: Commodity trade statistics by country of origin / country recorded
 - ▶ EuroStat: European market size (by labor) vs US Department of Labor statistics
 - ▶ WTO for litigation process and special reporting
 - Example: Cuban market entry
 - ▶ UNData: Millennium development goals
 - Work Bank data: GDP
 - ▶ World Trade Organization Tariff Data, Goods Schedules

Promotion and Teaching

- Collaboration, collaboration, collaboration
- Showing versus telling
- When less is truly more



... But how??

- Resources' resources
 - Guided searches
 - ▶ Glossary tools
- Social media
- ► Hear it through the grapevine
- Feedback



A Look Ahead

- More access. More features. More benefits.
- Pros > cons
- Our part as librarians and information professionals



Questions??

Thank you for your time, interest, and attention.

Emily Alford, Indiana University Jessica Huffman, Indiana University

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