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International Data Sources & Data Literacy

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2018 IOWA GODORT SUMMER WORKSHOP

International Data Sources & Data Literacy

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Seton Hall University Libraries

FINDING INTERNATIONAL DATA – WHAT'S THE PATRON'S END GOAL?

- Do they know where their data resides? (Agency, Organization, NGO). Have them check multiple locations for a particular agency
- Which indicators are they trying to locate?
- Do they need an entire dataset? A time series? Are they combining datasets? Do they have the Excel skills to do this?
- What data format do they need? (*.xls, *.csv, JSON, APIs) ⟶
- Can free visualization tools from agency/organization enhance their research?
- Have they checked relevant publications for embedded data?
- If relevant data not available for country/region/topic, they can write to agency for more information.
- Check Twitter for updates about datasets.

API
Health Nutrition and Population Statistics
Resource Type: **API Documentation**
☐ Go to Resource

CSV file
Health Nutrition and Population Statistics
Resource Type: **Download**   Format: **CSV ZIP**
☐ Go to Resource

Databank
Health Nutrition and Population Statistics
Resource Type: **Query Tool**
☐ Go to Resource

Excel file
Health Nutrition and Population Statistics
Resource Type: **Download**   Format: **EXCEL ZIP**
☐ Go to Resource

INTERATIONAL DATA SOURCES – START HERE

Organization

International Monetary Fund (IMF):	https://www.imf.org/en/Data
OECD:	https://data.oecd.org/
United Nations (UN):	http://data.un.org/
	https://unstats.un.org/unsd/databases.htm
World Bank:	https://data.worldbank.org/
World Integrated Trade Solution (WITS)	https://wits.worldbank.org/
World Trade Organization (WTO)	https://www.wto.org/english/res_e/statis_e/statis_e.htm

Repositories/Tools

European Data Portal:	https://www.europeandataportal.eu/en/homepage
UK Data Archive:	http://www.data-archive.ac.uk/find
Harvard's Dataverse	https://dataverse.harvard.edu/
Our World In Data	https://ourworldindata.org/

INTERNATIONAL DATA – TODAY'S TOPICS

- Gender Equity, Climate Change, Public Health, Trade & Tariffs

- Encourage patrons to combine their topics with these search terms: data, datasets, indicators, repository, database, data visualization, statistics, archive

- Data may be buried on agency websites (often under Resources)

- Encourage secondary data usage in classroom setting (Dechman & Syms)

- Finding (or creating) datasets that facilitate comparison between different types of measures – across collection agencies and varied political, social or geographic contexts or time series (Dechman & Syms)

GENDER EQUITY

World Bank Group's Gender Data Portal is a source for the latest sex-disaggregated data and gender statistics covering demography, education, health, access to economic opportunities, public life and decision-making, and agency.

http://datatopics.worldbank.org/gender/

OECD Gender Data Portal includes selected indicators that demonstrate on gender inequalities in education, employment, entrepreneurship, health and development, showing how far we are from achieving gender equality and where actions is most needed. The data cover OECD member countries, as well as partner economies including Brazil, China, India, Indonesia, and South Africa. **www.oecd.org/gender/data/**

GENDER EQUITY

United Nations Statistics Division - Indicators - **https://genderstats.un.org/**

Gender Inequality Index (GII) | Human Development Reports

hdr.undp.org/en/content/gender-inequality-index-gii

Gender Inequality Index (GII)		**Health**		**Empowerment**		**Labour market**
	DIMENSIONS	Health		Empowerment		Labour market
	INDICATORS	Maternal mortality ratio / Adolescent birth rate		Female and male population with at least secondary education / Female and male shares of parliamentary seats		Female and male labour force participation rates
	DIMENSION INDEX	Female reproductive health index		Female empowerment index / Female labour market index / Male empowerment index		Male labour market index
			Female gender index		Male gender index	
				Gender Inequality Index (GII)		

GENDER EQUITY

IMF

https://data.world/imf/gender-equality

Access data, visualizations, and stories that portray results of the IMF's research on gender and economics or create your own charts and analysis. This dataset includes gender inequality and development indices. Requires login.

Data.gov.uk

https://data.gov.uk/search?q=gender+equal

data.gov.uk | Find open data

Format

CSV
DOC
HTML
ODS
PDF
SPARQL
WMS
XLS
ZIP

CLIMATE CHANGE

US Government
National Oceanic and Atmospheric Administration (NOAA) Climate.gov
https://www.climate.gov/maps-data/datasets/formats/json

Data.gov
https://www.data.gov/climate/

World Bank
https://data.worldbank.org/topic/climate-change

CLIMATE CHANGE

United Nations
http://data.un.org/DataMartInfo.aspx
http://www.un.org/en/sections/issues-depth/climate-change/index.html
https://www.unenvironment.org/explore-topics/climate-change
http://www.adaptation-undp.org/resources/datasets/datasets-climate-change-adaptation

OECD
http://www.oecd.org/env/cc/
http://www.compareyourcountry.org/cop21

CLIMATE CHANGE – DATA VISUALIZATION

OECD's Compare Your Country Mapping Tool
http://www.compareyourcountry.org/cop21

PUBLIC HEALTH

United Nations

https://unstats.un.org/unsd/demographic-social/sconcerns/health/

World Health Organization/Global Health Observatory (GHO) data

http://www.who.int/gho/en/

World Bank

https://data.worldbank.org/topic/health

http://datatopics.worldbank.org/health/

https://data.worldbank.org/indicator

https://datacatalog.worldbank.org/dataset/health-nutrition-and-population-statistics

PUBLIC HEALTH

OECD

http://www.oecd.org/els/health-systems/health-data.htm
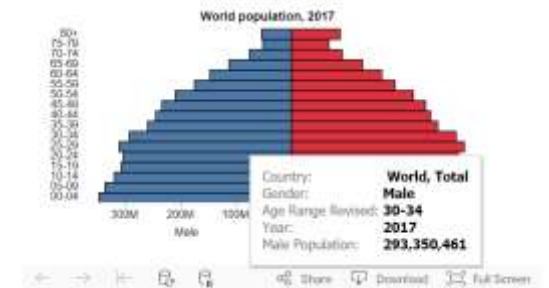
OECD Health Statistics 2018 released on June 28.

Comprehensive source of comparable statistics on health and health systems across OECD countries. Tool to carry out comparative analyses and draw lessons from international comparisons of diverse health systems.

https://stats.oecd.org/index.aspx?DataSetCode=HEALTH_STAT

PUBLIC HEALTH – DATA VISUALIZATION

World Health Statistics Data Visualization Dashboard

http://apps.who.int/gho/data/node.sdg
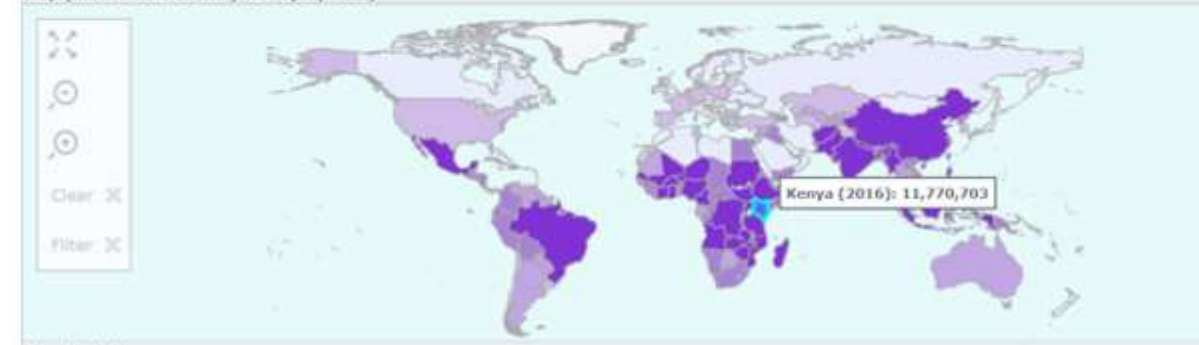
TRADE & TARIFFS

World Bank
https://data.worldbank.org/topic/trade
Trade Tariffs Explained:
http://blogs.worldbank.org/trade/picture-trade-types-tariffs-explained

OECD
https://data.oecd.org/trade/trade-in-goods-and-services.htm
www.oecd.org/trade/

World Trade Organization
Statistics Database
http://stat.wto.org/Home/WSDBHome.aspx?Language=E

Trade and tariff data
https://www.wto.org/english/res_e/statis_e/statis_e.htm

President Trump Approves Relief for U.S. Washing Machine and Solar Cell Manufacturers

IMF warns Trump trade war could cost global economy $430bn

TRADE & TARIFFS

Tariff Tracker – Washington Post:

https://www.washingtonpost.com/news/wonk/wp/2018/07/06/the-trump-tariff-tracker-how-severe-is-the-pain/?noredirect=on&utm_term=.51713430a02c

Trump tariff tracker

The United States imported **$2.4 trillion** in goods in 2017.

Trump has enacted tariffs on **$85 billion worth of goods,** or 3.6 percent of total imports.

Trump's trade fight by country

China
Tariffs enacted	$37 billion
China retaliation	$37B
Trump threats	$416B

Mexico
Tariffs enacted	$3B
Mexico retaliation	$3B
Trump threats	$117B

Canada
Tariffs enacted	$13B
Canada retaliation	$13B
Trump threats	$62B

Japan
Tariffs enacted	$2B
Japan retaliation	$0B
Trump threats	$56B

European Union
Tariffs enacted	$8B
E.U. retaliation	$3B
Trump threats	$50B

Sources: U.S. Census Bureau; Peterson Institute for International Economics   WAPO.ST/WONKBLOG

TRADE & TARIFFS: DATA SOURCES

The Office of the United States Trade Representative (USTR)

Agency of more than 200 committed professionals with decades of specialized experience in trade issues and regions of the world. Trade capacity building (TCB) is a critical part of the United States' strategy to enable developing countries to negotiate and implement market-opening and reform-oriented trade agreements and to improve their capacity to benefit from increased trade.

https://ustr.gov/

Trade Capacity Building

Filter and explore U.S. Government Trade Capacity Building activities by income group, region, implementing agency, or category.

https://tcb.usaid.gov/

https://tcb.usaid.gov/dashboard.html

TRADE & TARIFFS

**UN Comtrade Database**

https://comtrade.un.org/

Free access to global trade data. Repository of official international trade statistics and relevant analytical tables. All data is accessible through *API*.

UN Comtrade Labs - Exploring Trade Data

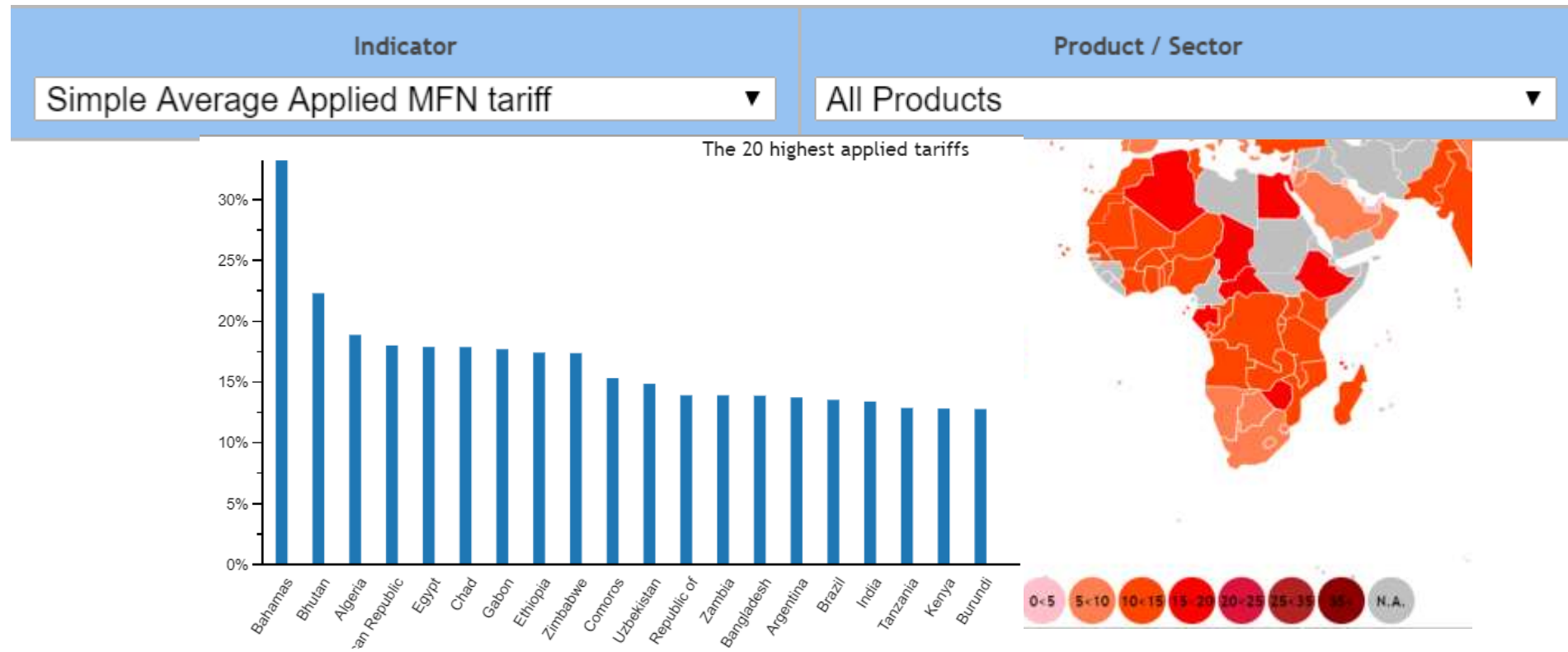https://comtrade.un.org/labs/

A place to showcase innovative uses of UN Comtrade data. Explore data visualizations and metadata, data extraction tools, and alternative dissemination platforms.
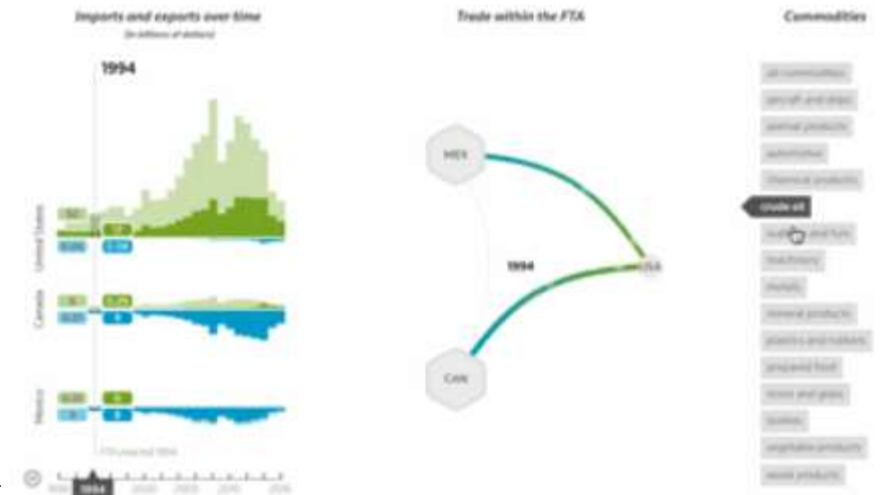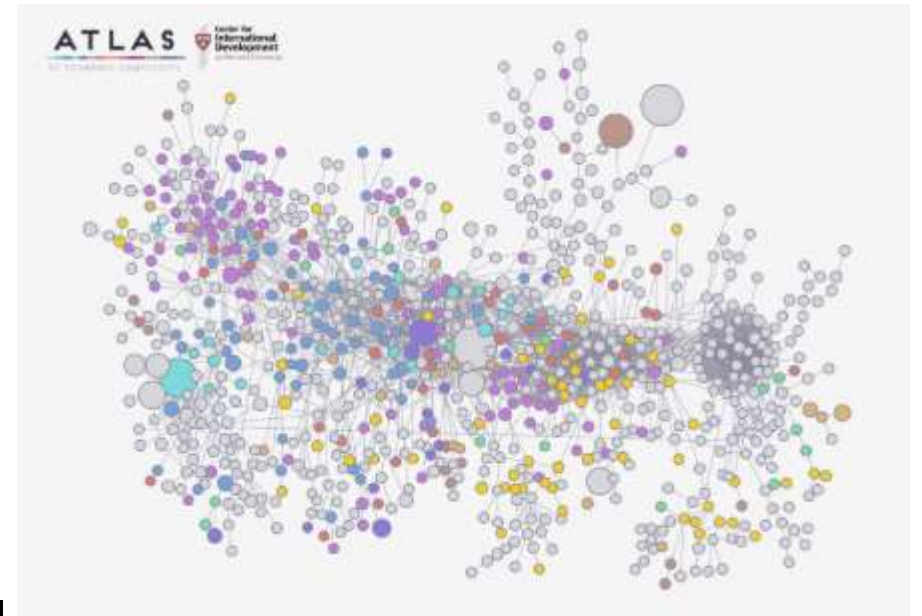
TRADE: DATA VISUALIZATION

WTO's International Trade and Market Access Data

https://www.wto.org/english/res_e/statis_e/statis_bis_e.htm

DATA LITERACY

- Students need to be able to identify, find, and critically consider data sources

- Faculty want data searches to be time efficient, concerned about losing class time to data instruction

- Faculty may be concerned about keeping up and their own expertise

- Future goal - teach faculty/students to search library catalog for data

(Source: Dechman & Syms, 2014)

QUESTIONS?

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                https://works.bepress.com/lisa_deluca/

Relevant Research Guides
United Nations   https://library.shu.edu/un
International Relations   https://library.shu.edu/intrela
Dag Hammarskjöld Library (NYC)   http://research.un.org/en/un-resources/statistics
United Nations Library Geneva   http://libraryresources.unog.ch/statistics

SUMMER READING

Dechman, M. K., & Syms, L. R. (2014). Working Together to Maximize the Utilization of Open Data Across Social Science and Professional Disciplines. *Behavioral & Social Sciences Librarian*, 33(4), 188-207.

DeLuca, L. (2017). United Nations – Online data repositories and resources. *C&RL News*, January 2017.

DeLuca, L. (2016) Navigating United Nations data sources. *Collection Building*, 35(4), 114–118. https://doiorg/101108/CB-08-2016-0022.

Dubicki, E., & Bucks, S. (2018). Tapping government sources for course assignments. *Reference Services Review*, 46(1), 29-41.

Kishi, R. How to Clean Data from Multiple datasets to prepare for combining. Available at: https://www.acleddata.com/2015/04/28/how-to-clean-data-from-multiple-datasets-to-prepare-for-combining/

THE UNIVERSITY OF IOWA LIBRARIES

GODORT · INTERNATIONAL · U.S. FEDERAL · STATE · LOCAL

UNIVERSITY LIBRARIES SETON HALL UNIVERSITY