

PSC 400

SYRACUSE UNIVERSITY

DATA ANALYTICS

FOR POLITICAL

SCIENCE

FINDING AND CLEANING DATA

NEXT WEEK

- **Thursday: no class**
 - **Use the time to find data sources for your research project instead**

CONGRESS.CSV

<i>Variable</i>	<i>Description</i>
name	name of the congressional representative
state	state of the congressional representative
district	district number of the congressional representative
party	party of the congressional representative
congress	congressional session number
dwnom1	DW-NOMINATE score (first dimension)
dwnom2	DW-NOMINATE score (second dimension)

DATA

- **How do I find data to answer a question I have?**

DATA

- **What's the thing I'm interested in?**
 - **People: Behavior of voters, politicians, judges, etc.**
 - **Institutions: democracy, voting systems, constitutions**
 - **Policies**
 - **Events: Wars, coups, etc.**
 - **...**

DATA

- **What's my unit of analysis?**
 - **Individuals**
 - Voters, legislators, judges, etc.
 - **Aggregate units (of individuals)**
 - States, countries, etc.

DATA

- **What's the geographic area I'm interested in?**
 - **Single country (or part of country)**
 - **Comparing several countries**
 - **Between countries (e.g. trade, wars)**

DATA

- **What's the time frame I'm interested in?**
 - **Present (or recent past)**
 - **More distant past**
 - **Development over time**

SOME DATA SOURCES

- **Voters/Citizens**
 - ANES
 - Comparative Study of Electoral Systems
 - World Values Survey
 - Afro/Americas/Arab/Asian/Caucasus/Euro/
Latinobarometer
- **Politicians**
 - DW-NOMINATE, DIME
 - Comparative Manifestos Data, Chapel Hill Expert Survey

SOME DATA SOURCES

- **Institutions**
 - **Polity IV**
 - **Varieties of Democracy**
 - **Quality of Government**
- **International Relations**
 - **Correlates of War**
 - **UCDP/PRIO Armed Conflict Dataset**

QOG DATA

- <https://www.gu.se/en/quality-government/qog-data/data-downloads/basic-dataset>
- We want to download csv file of cross-sectional data: `qog_bas_cs_jan24.csv`
- Codebook: `codebook_bas_jan24.pdf`

EXERCISE: QOQ

4.75.67 Life expectancy at birth, total (years) (wdi_lifexp)

Life expectancy at birth indicates the number of years a newborn infant would live if prevailing patterns of mortality at the time of its birth were to stay the same throughout its life.



Min. Year:2018 Max. Year: 2018
N: 184



Min. Year:1960 Max. Year: 2019
N: 196 n: 9460 \bar{N} : 158 \bar{T} : 48

- Explore this variable through summary statistics and graphs

EXERCISE: QOG

- **Create a new variable that measures the difference between male and female life expectancy**
- **Summarize the new variable in a plot**