DATA ANALYTICS FOR POLITICAL SCIENCE

WRAPPING THINGS UP

TODAY

- More on nice graphs
- Quick review of class
- Show & Tell
- Open Paper Workshop

WHAT YOU LEARNED

- Basic tools to conduct data analysis in R
  - Collecting and cleaning data
    - Recode and create new variables, scraping
  - Descriptive data analysis
    - Numerical summaries, graphs
  - Bivariate relations
  - Isolating independent effects of several variables
  - For all kinds of data: binary, categorical, continuous, spatial, text
  - Communicate your results

WHAT YOU LEARNED

- We only scratched the surface
  - The more you work with R, the more you'll learn and the better you'll become at it
  - More than 10,000 R libraries available
- A lot of resources for learning more R programming yourself
  - Much of it open source
  - Books, YouTube, online classes etc.

WHAT YOU DID

- **What question are you answering?**
- **What data do you use?**
- **How do you analyze it?**
- **What have you found so far?**

FINAL PAPER

- What is your research question? Why is it important?
- What data do you use to answer it?
  - Describe dependent and main independent variable in detail (incl. descriptive statistics, graphs)
  - Also discuss control variables
- What is the answer?
  - Describe it in a way that anyone can understand (as little jargon as possible)
  - Use of graphs and plain English encouraged

FINAL PAPER

- Assume I have no idea what you have been working on all semester
  - Paper should be self-contained and explain all relevant steps
- No minimum or maximum length
- Also submit data and R code that allows me to reproduce all numbers, graphs, tables, etc. that are in the paper
  - But you have to include graphs etc. in paper!
- Due date May 11 (next week Wednesday)

COURSE FEEDBACK

- **Please fill out the course feedback**
  - **So far only 4/11**

OPEN PAPER WORKSHOP

- **Rest of today and Wednesday:**
- Work on your paper and ask me questions