30538 Final Project: Tips for Success

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Multiple Datasets

- Multiple variables from the same dataset does not, in general, constitute multiple data sources. If you believe you have a special situation where this guidance should not apply, send Professor Ganong a message in Ed to ask.

Sensitive Datasets

Sometimes datasets are not publicly available or are too large to share via GitHub (100 MB single file size limit). In this case, you should upload data onto Box and add the shared link to your `README.md` file on how to access the data.

Visualization Guidelines

We expect each of your visualizations to follow the visualization guidelines from `viz_1_intro`:

- All axes and units are properly labeled and legible
- No words or data points are cut off in your final output
- Encodings should be sensible and appropriate. Consider explicitly justifying which data types and encodings you chose in your writeup.

Static vs. Dynamic

- Only make a dynamic plot (i.e. a dashboard) when a static plot is insufficient to achieve your goals.
- We will discuss use cases for dashboards in more detail during the dashboard lecture. Slides are available on the student repo (look for slide ~53)

Policy Implications

- Tell us about policy implications of your findings.
- We will be looking for you to only draw conclusions which are *supported by your data*; implications which are unrelated to or not supported by your analysis will result in point deductions.

Replicability

Since we are going to re-run your code, get ahead and act like a grader yourself!

- Ask a friend outside your group to test the code for your final project
- Ask an AI agent to re-run the code for your final project (we will cover how to do this in week 8)

Presentation

- Write out exactly what you plan to say. However, do not just read a script. Instead, memorize the script and speak directly to the audience. If possible, present conversationally.
- We expect that you will interpret every plot you show, just as we interpreted the findings from plots in the visualization lectures.
- Time is scarce. In each plot you show, we expect that there is a clear takeaway or headline message.
- We expect to see fairly polished static visualizations (see guidelines above), but it is ok if the dashboard is a work-in-progress by the time of the presentation. For the dashboard, we expect there to be at least one portion that is finished that you will demo.