What do folks likely already know:

* Recoding
* Generate a new variable
* Setting directories

Workflow is a presentation with examples.

Two do files. One for data cleaning and one for tables/graphs. Have examples of each.

Create one github for the whole event.

We need a dataset to practice on.

* Messy individual level dataset to share. Or counties/cities.
* Konrad found a dataset of elder facilities - description of the place with many different types of fields to work with. Will pair it down for the workshop.

**Deadline:**

* Touchbase at end of quarter. Week of Dec. 9th.

**What we we like them to know:**

* Project management (10 mins)
  + Project file structures
  + Directories and changing directories
* Workflows (10 mins)
  + Why different do files
  + Running do files within do files
  + Making data documention - within do files, readmes, cv files, log files - codebook
  + Log files
* Data cleaning and automation (40 mins)
  + Import from different formats
    - Txt file, csv, excel
  + Merging, joining, & appending
  + Macros & locals
  + Loops
    - -foreach-: loop over items
    - -forvalues-: loop over consecutive numbers
  + Messiness
    - Numerics
    - Strings
  + Encoding & destringing
  + Working with dates

Break - 15 mins

* Tables and graphs (30 mins) - **Savannah**
  + Producing publication quality tables (outreg2 & estout)
    - Basic descriptive stat tables
    - OLS tables
    - Logit tables
    - Predicted probability tables
    - Model fit tables
  + Exporting finished tables to word, excel, or latex
  + Producing publication quality graphs
    - Schemes, colors, and designs
    - -coefplot-
    - -marginsplot-
    - Different export formats (e.g., png vs svg or pdf vs gif)

**Resources:**

<https://github.com/klfranco/project-stata-explainer>

Data documentation handout

<https://drive.google.com/file/d/1T1iCw9An8gRU6A52eSPsCdNa0Ma_XKqt/view?usp=sharing>

Stata code best practices, general

<https://drive.google.com/file/d/1wA2VsDEYem5l4z3KEDd7c8VnT-OL9exO/view?usp=sharing>

Stata code recommendations, specific

<https://drive.google.com/file/d/1SYkg-K2vK9BpTP9ScCw1fOj9IBQOjZ8E/view?usp=sharing>