

## COMP 333 — Lab Assignment 4

### Motivation

The purpose of this assignment is for you to become adept at markup in Jupyter notebooks to the extent that your notebook tells the story of your data analysis.

It also is further practice at story telling.

It builds on Lab 12 for story telling and visualization, which itself builds on Lab 4 data analysis of social science data using pandas.

### Assignment

Create a Jupyter notebook using Python and its libraries, to modify the analysis of Lab 4 (as you did in Lab 12) and markup the notebook so it contains the content of your four-slide story of Lab 12 embedded in the notebook.

The assignment is to extend the Jupyter notebook for Lab 12 to markup your notebook so that it shows the presentation content and the visualizations as part of the completed notebook.

It is to focus on using Jupyter markup for improved commentary in your notebook, and to focus on creating visualizations that are easily readable and good communicators of your story.

### Deliverable

Your deliverable is the completed ipynb notebook showing all computation, output, and plots.

The four “slides” of your story should stand out as obvious parts of your notebook.

There must be exactly four slides: Situation, Problem, Solution, Next Steps as in the SPSN approach.