



# Unit 7 - Project 1

## TECHNICAL REQUIREMENTS

The technical requirements for Project 1 are as follows.

Your presentation must:

- ✓ Use Pandas to clean and format your data set(s)
- ✓ Create a Jupyter Notebook describing the **\*\*data exploration and cleanup\*\*** process
- ✓ Create a Jupyter Notebook illustrating the **\*\*final data analysis\*\***
- ✓ Use Matplotlib to create a total of 6-8 visualizations of your data (ideally, at least 2 per "question" you ask of your data)
- ✓ Save PNG images of your visualizations to distribute to the class and instructional team, and for inclusion in your presentation
- ✓ Optionally, use at least one API, if you can find an API with data pertinent to your primary research questions
- ✓ Create a write-up summarizing your major findings. This should include a heading for each "question" you asked of your data, and under each heading, a short description of what you found and any relevant plots.
- ✓ Tell a good story! Storytelling through data analysis is no different than in literature. Find your narrative and use your analysis and visualization skills to highlight conflict and resolution in your data.