Data Analytics in Python
Project

Objective: To learn how to complete an end-to-end data science project.

Components: For this project you will be asked to:
- Identify a data source that we have not used in class
- Become familiar with the prior research performed on those data
- Identify which types of tasks (eg. regression, classification, clustering, etc...) can be performed on those data
- Implement the python code for that task
- Include some visualization of the data
- Write a report describing the data, prior research, and your findings
- Develop a PowerPoint deck describing the major outcomes of your work and suggestions for future work

Deliverables:

You will turn in:
- A 3-5 page written report (docx / pdf) describing your data (think of our data summaries), a quick summary of other work that has been published on those data, your methods used to analyze the data, your results, and a description of what next steps you could do
- A jupyter notebook with your analysis methods implemented, including your visualization, results, and documentation describing what you did, how you did it, and how we should interpret your results
- A 5-10 slide PowerPoint slide deck giving a high-level overview of your project. You will NOT be expected to present that deck, but I want to see what you can do