

## Grading Rubric: Final Project

### Problem Statement 10 PTS

- Describe the project problem statement. Your project idea should be clear
- How will the problem be tackled and solved?
- What are the parameters around your problem statement to make it simple enough to solve but not trivial?
- What is the core business or research problem you are solving? Why is it important? This should be concise and clear.

### Dataset 10 PTS

- Is the data collected and loaded appropriately
- Does dataset have the capacity to address the question posed in the problem statement

### Data Cleaning 20 PTS

- Was data ingested, sufficiently cleaned, in a format that makes it amenable for visualization, model building and analysis
- How were missing data handled
- How was the data appropriately normalized or scaled
- How were the data initially collected? Units? Any metadata should be linked or mentioned.

### Data Visualization 20 PTS

- Create clear, labeled and appropriate visualizations
- Visualizations should be made for exploratory phase of your analysis as well as for the insights and results from your model

### Model Building 10 PTS

- What model did you use for making predictions or solving the problem
  - Why did you select that model?
- How was the model trained
- Did you follow train, test and cross-validation protocols?

### Communication 20 PTS

- Have you annotated your notebook with clear explanations to walk the reader through, step by step?
- Does your annotation communicate alternative paths considered in the analysis and decisions made for why particular directions were chosen?
- Have you clearly stated the conclusion from your project? Justify them.
- What are future directions for the project were you to take more time and garner additional datasets.

**Ethical Considerations 10 PTS – look to Assignment 3**

- What ethical concerns, if any, may arrive as you consider your problem statement?
- Who might be affected?
- Do your conclusions warrant any ethical considerations?
- How might your model be abused by a bad-faith actor?