Prediction Rubric

Criteria	Ratings	Pts
Introduction - First sentence view longer description	The first sentence is clear, describes the field of study in a way that is easy to understand for a general audience.	/ 2 pts
Introduction - Problem and purpose view longer description	Describe the problem that you are answering with this analysis and why	/ 2 pts
Introduction - Summary of findings view longer description	Briefly highlight the most important finding.	/ 2 pts
Introduction - Clarity view longer description	The entire introduction is easy for a general audience to understand and does not use statistical jargon.	/ 2 pts
Methods - Purpose view longer description	Describes the goal of the analysis in more detail than the introduction	/ 3 pts
Methods - Explain learners	Explain how each learner (model) works with an appropriate level of detail. Consider explaining how a learner is optimized, how it makes predictions if accessible for the audience at hand. If not, give a more intuitive explanation for the learners. This section should be organized in a thoughtful way (eg explaining trees before random forest).	/ 15 pts

Methods - Evaluation Criteria view longer description	Explain how models are evaluated including loss functions and validation.	/ 5 pts
Results - Data Overview view longer description	Describe the dataset and formatting: data formatting process, number of rows/columns, explain what a row of data represents, method of collection, data issues such as missing data	/ 5 pts
Results - Baseline table view longer description	Provides a well-formatted table of data statistics, mean(standard deviation) or median/IQR. Stratifies by the variable of interest when appropriate. Provides the appropriate number of digits. Row name describes variable without code, includes unit of measure. Provides caption.	/ 5 pts
Results - Evaluation Table view longer description	Include an organized, publication-quality table of evaluation results showing the performance of each learn.	/ 10 pts
Results - Model interpretation view longer description	Interpret several learner results, including the learner with the best evaluation score and the interpretable learners in an appropriate level of detail for your audience. If the learner with the best evaluation score is not easily interpretable, explain a facet of the learner (prediction, several lazy learners within an ensemble, etc) to help the reader understand the learner.	/ 20 pts
Results - Explain general findings	Explains what the learners indicate about prediction on this data. This can include variables which are particularly helpful for accuracy as well as other notable information learned during analysis.	/ 10 pts

Conclusion - Accomplished view longer description	Restate goal. Describes what analysis accomplished.	/ 2 pts
Conclusion - Major findings view longer description	Describes most important findings in terms of the research question without overreliance on statistical jargon	/ 4 pts
Conclusion - Limitations view longer description	Describes possible limitations of data or method	/ 3 pts
Appendix - EDA view longer description	Sufficient use of EDA to understand and format data	/ 5 pts
Appendix - Explanation for code view longer description	Each part of the code is explained	/ 5 pts
Total Points: 0		