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| 1. The first section should include an executive summary walking through the data collection process, describing the variables of interest, and discussing the overall structure of the dataset. | Winston |
| 1. The second section should include a carefully documented set of instructions of steps taken in preprocess and cleaning the data, as well as any diagrams included (ie: pretty ggplot2 pictures) in the exploratory analysis of the data (this section may be quite large depending on the “rawness” of your data. | Paul |
| 1. The third section should include the model proposals for the regression task as well as the model diagnostics (ie: goodness of fit, statistical significance, confidence intervals of estimated model parameters, heteroskedasticity tests, normality tests, VIF, etc.). | Tbd |
| 1. The fourth section should validate each of the four models proposed in section 3 and conclude by selecting a candidate for the best model for the task. Be sure to explain how you validated each model, how you divided your data, and whether or not you used restraints like regularization in conducting your analysis. What type of error metric did you use to benchmark performance? | Tbd |
| 1. The fifth section should include the model proposals for the classification task from as well as the model diagnostics (ie: goodness of fit, statistical significance, confidence intervals of estimated model parameters, etc.). |  |
| 1. The sixth section should validate the four models proposed in section 5 and conclude by selecting a candidate for the best model for the classification task. Be sure to explain how you validated each model, how you divided your data, and whether or not you used restraints like regularization in conducting your analysis. What type of error metric did you use to benchmark performance? |  |
| 1. The final section should wrap up your results with a conclusion and discussion of your results and lessons learned along the way. Reflect on the motivating question(s) and the extent to which you are able to answer them (if at all). |  |