Final Paper Outline

**Intro:**

* What is the problem you’re trying to solve?
* How do you intend to solve it?

**Body:**

1. Pre-analysis

* Summary statistics
  + Total and by groups
* Feature development
  + How did you change your predictor variables up to make them have more impact on your model
    - i.e. Took month from a date column to create a month variable, calculated age of an observation by using the year variable, etc.
  + Shows some creativity with dataset and can improve model substantially
* Initial Plots
* Initial hypothesis
  + Either your own coming into the project or something you generate through your plots, statistics, etc.

1. Modeling

* What type of model are you using and why?
* What variables did you choose for your model?
* What is the output of your model mean?
  + What do coefficients mean? Are they interpretable?
  + What variables are important?
* Does your model meet assumptions?
  + Did you use any transformations or change up the data to meet assumptions?

1. Outcomes

* How well does your model predict new data?
  + Does your model overfit?

**Conclusion:**

* What can we take away from this project?
* What would you like to improve on in the future?