**702 Team Project Presentation Framework**

(6-7 minute video presentation)

* **Summary & Introduction** (1 min, 1 slide)
  + Few sentences describing the inferential question(s), the method used and the most important results.
* **Data**  (1.5 min, 1 slide)
  + EDA, interesting features of the data. Include 1-2 plots of our most interesting EDA findings.
    - Response, baseline probability -- 76% of the people got payed job
    - Conditional probability tables: Response vs categorical
    - GG-Boxplot: Response vs continuous
      * Potential Interaction: no\_degree:age (**make the plot pretty**);
    - Chisqr test result:
      * Two noteworthy points: black and inc78 (dependent);
      * Treat and inc78 (independent, weird and worth exploring)
* **Model**  (3.5 min, 4 slides)
  + A detailed description of the model used, how you selected the model, how you selected the variables, model assessment.
  + Model validation, and presentation of the model results.
  + What are your overall conclusions in context of the inferential problem(s)?
  + (Include 2-3 plots)
  + S1: Our thought processing (Flow chart)
  + S2: Presenting the final model & summary (coefficients, p-value, deviance)
  + S3: Binned residual, vif
  + S4: confusion matrix (polynomial raises the accuracy), ROC
* **Conclusion (1.5 min, 2 slides)**
  + The importance of your findings and potential limitations of the study.
  + S1 (Important Finding)
    - Treatment doesnt increase the odds of have a positive pay;
    - 95% CI (Interval Estimation);
    - Black is a significant predictor in the final model (Interesting Finding)
    - Age:Treatment (TBD, significance might change after becoming polynomial)
  + S2 (Limitations)
    - ROC isnt good
    - Limited sample size
    - Not enough sample for each categorical level