**Approach Report Summary:**

I conducted my work by writing the Introduction/Context, Approach, and Data sections this allowed me to create the executive summary/introduction. Then I did research the background of the data set, and highlighted the importance of conducting the analysis. Did qualitative research to enrich the project's analysis, sourced data for the literature review, and gathered demographic information on D.C. and its wards. Used LDA/QDA analysis for classification, PCR models for regression methods. Conducted polynomial regression for the regression method and used decision tree/bagging for the classification method. Made various visualizations of the data to understand variables better

Had to Clean the data and created the data frame used throughout the project. Did a detailed exploratory data analysis, which was added to the executive summary. Implemented ridge and lasso regression techniques and made tables summarizing the findings. Also considered the implications of the data's characteristics and usage, as well as how the project might impact stakeholders. Presented and wrote the results and considerations/implications section of the poster.