Final Project Assessment

October 13, 2022

Self-Assessment

The role I primarily played during this project was the "square role" which dealt with the development of the machine learning model. Everyone just stuck to one role throughout the entire project, but if needed we would all help each other out. Additionally, since there was realistically only about a month to complete this project everyone on the team had to contribute in acquiring data and figuring out the best methods to extract the necessary information. This really helped when creating the model because I knew, after working with everyone on data collection, exactly what we were working with. It helped in troubleshooting the errors and data cleansing. Also, this teamwork made it possible to complete this project without much difficulty. We all communicated and assisted one another when a challenge presented itself to overcome it quite easily and without much effort. Thus, I did not experience a "greatest personal challenge."

Team Assessment

There wasn't really anything special that we did as a team. We would assign everyone tasks and let them work through it individually. After working on it, we would review everyone's results during class time and assess what we still needed to achieve. If anyone needed help, we would ask during class time and provide the necessary support. If I had to say, our greatest strength as a team would be that we were clear and concise on what everyone needed to do. The result was that we had no real problems or challenges through the duration of the project. Overall, I had a great time working with my team.

Summary of Project

In this project the goal was to predict the number of deaths each state in the United States of America would experience based on their population density. The method of choice used to achieve this goal was supervised machine learning to build a linear regression model for its predictive capabilities. The results of the supervised machine learning model proved it to be fairly accurate for predicting deaths. Data analysis of the results also verified our goal in proving that population density was indeed a good design feature for training and testing a model intended to predict state deaths.