**Introduction**

Heart Disease mortality rate within the U.S is constantly increasing. According to the CDC in 2021 and 2020 Heart disease was the considered the #1 killer, it out beat cancer and covid-19. Not only is it number one it is still growing every year. Heart disease covered 20% of the United States Deaths for 2021. The CDC defined Heart disease as major cardiovascular disease, heart disease, acute myocardial infarction, coronary heart disease, heart failure and strokes.

The data set we chose discusses heart disease mortality rate for people over the age of 35. The data set is set for the year of 2014 and discusses the mortality rate for each county in the United States per 100,000 people. This included age adjusted data and people who had 3 years average of dealing with heart disease. Each county also discussed the gender, race and longitude and latitude of each county. This study goes into the data set and tries learn the impact, gender, race and the state you chose to live can impact you having heart disease. The model focuses specifically on the individual data provided instead of the overall gathered inside the dataset.

**Data Cleaning/Preparation**

Exploratory Data Analysis

Model Selection

Model Analysis

Conclusion and Recommendations.

(overall example)

<https://ieeexplore-ieee-org.sandiego.idm.oclc.org/document/10040352?arnumber=10040352>

^ Example I recommend we try to follow for formatting and all that

Links for introduction section

<https://www.cdc.gov/nchs/nvss/deaths.htm>

<https://www.cdc.gov/nchs/data/databriefs/db456-tables.pdf#4>

<https://www.cdc.gov/dhdsp/maps/dtm/data_sources.htm>