Group 4 – Proposal

Using the data gathered by the CDC, the intended goal for the project is to examine the relationships between the number of COVID cases/deaths and the influencing factors effecting New Jersey residents in 2021. We will explore demographic factors such as age, race, and socioeconomic status.

Questions we would like to examine are:

Demographics:

What are the trends of death involving COVID, pneumonia, and influenza vary across age group and gender?

Timeframe:

What are the notable differences in the distribution of deaths involving COVID-19, pneumonia, and influenza among different months in the year? Is there a trend in death volume based on time of year?

Region:

How does New Jersey compare to other geographical areas?

Hospital correlation:

Is there a correlation between the population of the county and the number of hospitals and death rate?

7 – How do the proportions of deaths involving COVID-19, pneumonia, and influenza compare between different combinations of causes (e.g., COVID-19 only, COVID-19 and pneumonia, all three causes)?

Were there any overall trends i with covid, influenza and pneumonia based on the time of year? Before or after the introduction of the vaccines?Do different demographics have any effect on the death rates of covid, influenza and covid?Does geography have any effect on covid, influenza, and pneumonia deaths?How do the proportions of deaths involving COVID-19, pneumonia, and influenza compare between different combinations of causes (e.g., COVID-19 only, COVID-19 and pneumonia, all three causes)?

Using the data gathered by the CDC, the intended goal for this project is to examine the relationships between the number of COVID Cases/Deaths and the influencing factors  
Exploring demographic factors such as age, race, and socioeconomic status

Identify regions that have been most severely affected by COVID-19 hospitalizations relative to their population size

the most common comorbidities among COVID-19 patients, and how they impacted mortality rates

What is the trend of COVID-19 cases over time  across NJ and it’s counties

Analyzing this can help identify areas with high and low rates of hospital admissions, which may indicate areas of greater or lesser transmission or healthcare strain.