**MIS 6380.004**

**DV Group Project Proposal**

**Group No. 8**

**Names of Members: -**

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**Project Description:**

The COVID-19 has had a huge impact on people's lives all over the world. The virus brought with it particularly fatal repercussions. The project, titled "**The Effect of COVID-19 and its Infections on Different Age Groups, Races Within the United States**," aims to ponder the effects of the novel virus on different age groups and gain insights into how different age groups and races reacted to the virus.

**Objective:**

This particular project aims to understand how COVID 19 and the infections caused by it have affected various age groups and races in the United States. The main objective is to gain insights into the most and least affected age groups and the degree of fatality.

**Hypothesis :**

1. People in older age groups are more likely to be affected by COVID and related infections, which ultimately cause death.

2. A significant number of persons of various ages who were infected with covid were also infected with pneumonia.

3. Pneumonia is the most severe complication of the flu, yet the majority of those affected acquired it with Covid 19.

4. Non-Hispanic white people are the most affected by COVID and other illnesses, and they have the highest number of fatalities.

5. Flu affects children in general, and they have greater symptoms than an ordinary adult in their forties. People over the age of 40, on the other hand, were more likely to die from the flu due to a weakened immune system.

6. A state's high death rate does not always imply that its citizens have compromised immune systems and are more susceptible to disease. Cities and towns with a larger population may have had more deaths than those with a lower population.

**Data Sources:**

[Provisional COVID-19 Deaths by Race and Hispanic Origin, and Age | Data | Centers for Disease Control and Prevention (cdc.gov)](https://data.cdc.gov/NCHS/Provisional-COVID-19-Deaths-by-Race-and-Hispanic-O/ks3g-spdg)

**Data Attributes :**

Start Date - First date of the data period

End date - last date of the data period

State -Jurisdiction of occurrence

Age group – Age group of deaths

Race and Hispanic Origin Group - Race or Hispanic origin of the group

Covid 19 Deaths -Deaths involving Covid 19

Total Deaths – Deaths from all other causes

Pneumonia Deaths – Death caused due to Pneumonia

Pneumonia and Covid 19 Deaths – Deaths with Pneumonia and Covid 19

Influenza Deaths – Deaths caused due to Pneumonia

Pneumonia,Influenza or Covid 19 Deaths – Deaths with Pneumonia ,Influenza or Covid 19

**Number of Records** : 6489

**Visualization Tool:** Tableau is a powerful data visualization tool that we are more acquainted with. Since Tableau can handle millions of rows more smoothly than its rival, PowerBI, adopting it will help us prepare for industry.