PROJECT 3- rate of Covid Vaccination in the United states.

DATA VISUALISATION

Tools:

Python using Jupyter notebook

Industry: Healthcare

Scenario:

The government wants to amplify the education around the need for covid vaccination to reduce the number of fatalities or severe cases in the US. They needs to know how to prioritize educative resources by demography. That is, they need to know what groups to focus on the most.

Research question: This project aims to create a data visualization that the users (Government) can easily navigate through and derive their answers from.

* Geographic areas (states) with most death and hospitalized cases
* Relationship between covid outcome (mild, death, hostpitalised) and vaccination status. That is, of which areas with most fatal cases have the least vaccination numbers
* Relationship between vaccination status and demography (age group, race)

Data Set:

* Cumulative Influenza Vaccination Coverage by Race/Ethnicity and Age Group, NIS-ACM (Archived). Source: Data.Gov
* 1-1-21 US covid 19: Source: https://www.kaggle.com/datasets/brendan45774/covid19-us-marchseptember?resource=download

\*assumption made: influenza vaccine is the only covid vaccine available

Data Visualisation tools: Python, javascript

* Maps
* Bargraphs
* Piecharts
* Heatmaps

**Data base to be used: SQL**

Tasks – Team member:

* Project ideation
* Data retrieval: Data source?- **Ayomide**
* Data cleanup: we need clean data, all null values should be removed. And irrelevant columns. We need user-selected filtered data. – **Amin/Ahmed**
* Data analysis & Visualisation:
* Geographic areas (states) with most death and hospitalized cases – **Khelani \*SQL has is the database to house the data**
* Relationship between covid outcome (mild, death, hostpitalised) and vaccination status. That is, of which areas with most fatal cases have the least vaccination numbers- **Ayomide**
* Relationship between vaccination status and demography (age group, race)- **Ayomide**
* Read me write up - **Khelani- Ayomide to format**
* Presentation slides – **Amin/Ahmed**

**\*need data cleaning done by tomorrow. – so that khelani can do the first Analysis question**

**\*we can create our own branches on the repo so that we do not disrupt each other’s work.**

**\*please read through the project overview on the bootscamp spot (canvas) over and over again so we do not miss anything**