Group Team Name: Group 27 AKA COVID KILLING ANALYZERS

Team Members: Natalie Mosqueda, Stephanie Younes, Eric Por

Captain: Stephanie Younes

Our goal for this project is to analyze effectiveness of the COVID19 vaccination in many ways. For example, we are comparing country's vaccination data to number of day-to-day cases data from March 2021 to October 2021 to analyze how the vaccine impacts covid cases. Using many different countries helps us see the difference the vaccination has made on countries with more access to vaccines compared to the ones with less access. Another way we can analyze the effectiveness of the vaccine is comparing it to the virus' mortality rate of these countries. The problem we are looking to solve is vaccine hesitancy and help people see how reliable it is. In conclusion, COVID19 has impacted so many lives around the world and by analyzing how the number of cases compares to the number of vaccinated and by seeing the correlation between vaccinations and the mortality rate of the vaccine, **we can really know how effective the vaccine is on these many countries.** In order to do this, we have one data set to make this work:

A CSV file of Covid19 dataset found on https://ourworldindata.org/coronavirus-source-data which includes:

Daily data from March 2021 to October 2021 by countries all around the world

a. Number of people vaccinated
b. Number of COVID cases
c. Number of death cases

(Part of the data set below)

iso_code	continent	location	date	total_case	new_case	new_case:	total_deat	new_deat	new_deat	total_case	new_case:	new_case:	total_deat	new_deat	new_deat	reproducti
AFG	Asia	Afghanista	########	55664	18	17.714	2436	1	1.143	1397.349	0.452	0.445	61.152	0.025	0.029	0.88
AFG	Asia	Afghanista	########	55680	16	17.571	2438	2	1.143	1397.751	0.402	0.441	61.202	0.05	0.029	0.89
AFG	Asia	Afghanista	########	55696	16	17.286	2442	4	1.714	1398.152	0.402	0.434	61.302	0.1	0.043	0.9
AFG	Asia	Afghanista	########	55707	11	18.143	2443	1	1.857	1398.429	0.276	0.455	61.327	0.025	0.047	0.91
AFG	Asia	Afghanista	########	55714	7	15.714	2443	0	1.571	1398.604	0.176	0.394	61.327	0	0.039	0.93
AFG	Asia	Afghanista	3/1/2021	55733	19	16.571	2444	1	1.571	1399.081	0.477	0.416	61.352	0.025	0.039	0.94
AFG	Asia	Afghanista	3/2/2021	55759	26	16.143	2446	2	1.571	1399.734	0.653	0.405	61.403	0.05	0.039	0.96
AFG	Asia	Afghanista	3/3/2021	55770	11	15.143	2446	0	1.429	1400.01	0.276	0.38	61.403	0	0.036	0.97
AFG	Asia	Afghanista	3/4/2021	55775	5	13.571	2446	0	1.143	1400.136	0.126	0.341	61.403	0	0.029	0.99
AFG	Asia	Afghanista	3/5/2021	55827	52	18.714	2449	3	1	1401.441	1.305	0.47	61.478	0.075	0.025	1.01
AFG	Asia	Afghanista	3/6/2021	55840	13	19	2449	0	0.857	1401.767	0.326	0.477	61.478	0	0.022	1.02
AFG	Asia	Afghanista	3/7/2021	55847	7	19	2449	0	0.857	1401.943	0.176	0.477	61.478	0	0.022	1.03
AFG	Asia	Afghanista	3/8/2021	55876	29	20.429	2451	2	1	1402.671	0.728	0.513	61.528	0.05	0.025	1.04
AFG	Asia	Afghanista	3/9/2021	55876	0	16.714	2451	0	0.714	1402.671	0	0.42	61.528	0	0.018	1.04

The skills we need to complete this project would be **1. Data Extraction** of number of vaccinated in countries, number of cases in countries, and number of deaths in countries. **2. Graph making** to help the viewer visualize the points we are making. **3. Correlation Analysis** to better understand the vaccines impact on the mortality rate of the virus, and lastly **4. Statistical Testing.**