**Summary of Covid-19 API Findings - Lauren Quinn**

[Proof of Concept](http://misdemo.temple.edu/tuk26137/pro_points_project/)

Through the data I retrieved from the API, I discovered which countries currently have the most and least active Covid-19 cases, how many tests have been administered globally, and comparisons between different countries’ populations, total cases, and total deaths. First, I discovered that the U.S. currently has the most active Covid-19 cases (6,060,129 cases as of 4/26 at 3:25pm). On the other hand, Greenland currently has the least active Covid-19 cases (0 cases as of 4/26 at 3:25pm). I also discovered that over 2.1 billion tests have been administered globally since the start of the pandemic. Finally, through the table I created, I was able to see how different countries have been impacted by the virus. For example, countries in Oceania, like Vanuatu and Micronesia, have had very few cases relative to their populations compared to countries in Europe, like Vatican City and Finland, which have many more cases relative to their populations. This is likely because Oceania is a much more isolated area with less people traveling back and forth, whereas Europe is more frequently traveled through, contributing to the spread of the virus.

Insights from this analysis can be used to better understand the global spread of Covid-19 and how we should respond to best control the virus. By understanding which country currently has the most active cases, we can figure out where to devote more resources and money to assist with treatment and relief services. By understanding which country currently has the least active cases, we can figure out the safest places to live and travel and use these countries as role models for proper guidelines & behaviors to follow to help reduce the spread of the virus. Monitoring the total number of tests administered globally can help us keep track of testing and find patterns between the number of tests and number of cases. By utilizing the table with countries’ populations, total cases, and total deaths, we can figure out which areas are more heavily impacted by the pandemic. We can also use this table to compare specific countries to each other and evaluate the effectiveness of different government responses.

With these findings, I would recommend that the U.S. focuses more resources on addressing the pandemic to reduce active cases. We should also explore how Greenland has handled the pandemic and implement some of their strategies and guidelines here in the U.S. to help stop the spread of the virus. By imitating Greenland’s strategies, we could help make the U.S. a safer country to live and travel and cut back on Covid-19 relief expenses as cases decrease. I would also recommend that we continue monitoring the total number of tests administered globally to ensure that tests are still being performed and are accessible to those in need. Finally, I would recommend that European countries which are popular travel destinations should implement more restrictions to limit the spread of the virus. Countries like Vatican City and Finland have disproportionately high cases compared to their populations, indicating that there is higher Covid-19 spread and risk. These countries would benefit from travel restrictions that limit visits to and from the area.