**Project Title**

Covid-19 Analysis

**Team Members**

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**Project Description/Outline**

Covid-19 has had a dramatic impact on our lives and resulted in the death of many individuals around the world. We will analyze patterns in infection, testing and death rates by examining various intrinsic factors.

**Research Questions to Answer**

1. Compare the death rate and total confirmed case, which countries have the better medical systems to protect their population
2. Is there a relationship between median age of the population and death rate?
3. Is testing rate related to the GDP level of a country and can level of GDP of each county predict survival rate?
4. Is there a relationship between testing rate and reported infection rates?
5. Is death rate and reported infection rates are correlated?

**Datasets to Be Used**

2 CSV Files, Covid19 Api:

* <https://www.stats.govt.nz/assets/Uploads/Effects-of-COVID-19-on-trade/Effects-of-COVID-19-on-trade-1-February-10-June-2020-provisional/Download-data/Effects-of-COVID-19-on-trade-1-February-10-June-2020-provisional.csv>
* <https://www.kaggle.com/sudalairajkumar/novel-corona-virus-2019-dataset/data?select=covid_19_data.csv>
* <https://covid19api.com/>

**Rough Breakdown of Tasks**

* Clean up data and combine data into one file
* Regroup data into chunks of meaningful data
* Analyze data using graphs, charts, regression model, pandas, Matplotlib
* Conclusion to answer the thesis based on the above findings