CoViD-19 Prediction:

**Stage I - Data and Project Understanding**

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# Introduction

Everyone has been impacted by the COVID-19 epidemic in some manner. The COVID-19's effects vary based on a person's income, housing, health, and other circumstances. This project aims to examine information on the COVID-19 epidemic from several sources. This will contribute to a better understanding of the COVID epidemic and how it affects everyone in society.

Team Members:

* Pratik, Graduate Student.
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Project Goal:

With the use of the COVID-19 data, which contains information on the incidence of cases, fatalities, and population by county in the United States, this study attempts to assess several enrichment datasets.

# Dataset description:

### **COVID-19 Dataset:**

1. **Number of Cases**<https://usafactsstatic.blob.core.windows.net/public/data/covid-19/covid_confirmed_usafacts.csv>
2. **Number of Deaths**<https://usafactsstatic.blob.core.windows.net/public/data/covid-19/covid_deaths_usafacts.csv>
3. **Population by County**<https://usafactsstatic.blob.core.windows.net/public/data/covid-19/covid_county_population_usafacts.csv>

### **Enrichment Datasets for COVID-19:**

1. **Census Demographic ACS** <https://data.census.gov/cedsci/table?q=dp&tid=ACSDP1Y2018.DP05>
2. **ACS Social, Economic, and Housing** <https://data.census.gov/cedsci/table?q=dp&tid=ACSDP1Y2018.DP05>
3. **Employment Dataset :** <https://www.bls.gov/cew/downloadable-data-files.htm>
4. **Presidential Election Results (Political leanings)** <https://www.kaggle.com/unanimad/us-election-2020>

### **Setup:**

/data folder: Contains all the data set used for the analysis.

/docs folder: Contains the documentation of the project, such as the reports.

/src folder: Contains all the source code from the Juypter Notebooks.

### **Technologies:**

The technologies used for this project are:

* Python3.
* Jupyter Notebook.
* Python libraries: Pandas, Numpy.