Project Title: Covid 19 cases impact on ……(state name) in USA

Name of Group: Pandemic Solvers

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Project Description/Outline:

Our group is looking to analyze impact of Covid 19 on (name of )state, county in USA. We will take charts and data from cdc , census, bea, coividactnow site. We will combine these lists with the Covidactnow API and data from other database to get additional attribute information about the effect of covid 19 on various age groups, income groups. We will compare how various factors effected population Our final analysis will compare………..

Data sources:

- Data.cdc.gov

-Description

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-Uses:

-census.gov

-Description:

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-Use:

-bea.gov

-Description:

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-Use:

-www.api.covidactnow.org

-Description

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-Use:

Research Questions to Ask:

- Which county was most impacted by pandemic?

- cases per month by state/county?

- cases by age group?

- cases by state/county/population?

- cases by state/county average income?

Rough Breakdown of Tasks:

-Get API Key for covidactnow

-Get Datasets in csv

-Get Dataset as per county/state

**-**Do Analysis to get a

**-Answer Research Questions using visualizations**

**-ideas:x-axis is y-axis is**

**Covid Act Now API**

Data sets includes data and metrics for cases (actual and new cases), vaccination (actual vaccines completed, administered), test (positive test, negative test), hospitalization (actual hospital beds), and death (cumulative death).

Data can be retrieved by states.

Data set for NJ, time series has 11 319 entries, by counties.

\*we need to find API about age and COVID analysis

**Census API**

we need some information on the states /state/county level about average income, and other stats about wealth, education level

Age statistics -

Question / problems:

* Are we safe -: do a vaccination and new cases relate?
* Can linear regression be used to predict or describe COVID 19 over time (years 2020, 2021) based on death rate, vaccination, income/wealth, education level
* How NJ vs state in USA can be positioned (statistics over data)