**Outline the scope and purpose of your project**

Title: 1) Which US state managed the COVID-19 crisis best and which one the worst. 2) What were the factors that influenced this performance.

**Team Members: Jennie, Pallavi, Mohamed and John**

**Project Description**

· What criteria will we use? Death rate…

o Normalize data by age(?), health conditions, other

o Do we believe the official death rate e.g. compare with excess deaths

· Try and explain why one state has performed better or worse

o Quality of health care – hospital beds per capita

o Co-morbidities – obesity data, diabetes, respiratory illnesses

o Climate

o Population density - % living in cities > x population

o Preventative measures – mask use, policy on gatherings, number of lock downs, school openings etc…

o Timing phases – “surges” – historical infections

o Race, sex

o Politics… state, county level

o Vaccinations roll out

o Income

**Data Sets:**

<https://covidtracking.com/data/api>

[nytimes/covid-19-data](https://github.com/nytimes/covid-19-data)

<https://github.com/M-Media-Group/Covid-19-API>

<https://www.genderscilab.org/gender-and-sex-in-covid19>

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| --- | --- | --- |
| Question | Researcher | Web/API |
| What criteria will we use? Death rate… |  | <https://github.com/M-Media-Group/Covid-19-API>  [nytimes/covid-19-data](https://github.com/nytimes/covid-19-data) |
| Normalize data by age(?), health conditions, other |  | <https://catalog.data.gov/dataset/population-estimates> |
| Do we believe the official death rate e.g. compare with excess deaths | jennie | <https://github.com/nytimes/covid-19-data/tree/master/excess-deaths> |
| Try and explain why one state has performed better or worse |  |  |
| Quality of health care – hospital beds per capita | John | <https://www.census.gov/data/developers/data-sets/Health-Insurance-Statistics.html>  <http://www.communitybenefitinsight.org/?page=info.data_api> |
| Co-morbidities – hypertension, obesity data, diabetes, respiratory illnesses | John | <https://www.cdc.gov/obesity/data/prevalence-maps.html>  <https://open.cdc.gov/apis.htm> |
| Climate | Jennie | <https://openweathermap.org/> |
| Population density - % living in cities > x population | Jennie | <https://www.census.gov/data/developers/data-sets/popest-popproj/popest.html> |
| Preventative measures – mask use, policy on gatherings, number of lock downs, school openings etc… | John |  |
| Timing phases – “surges” – historical infections | Jennie | [nytimes/covid-19-data](https://github.com/nytimes/covid-19-data) |
| Race, sex | mohamed | <https://www.genderscilab.org/gender-and-sex-in-covid19> |
| Politics… state, county level |  |  |
| Vaccinations roll out | mohamed | <https://usafacts.org/visualizations/covid-vaccine-tracker-states/?utm_source=google&utm_medium=cpc&utm_campaign=ND-COVID-Vaccine&gclid=CjwKCAjw7J6EBhBDEiwA5UUM2vKrI7B6vm4dKy2mI2e2gwVC1l4EbAc0kcVmhmUEj901ULOIZN72VxoCox4QAvD_BwE> |
| Income | Jennie | <https://www.census.gov/data/developers/data-sets/Poverty-Statistics.html> |

Breakdown of Tasks

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| --- | --- |
| 1. Create Repository | Jennie |
| 1. Investigate Data Sources | All |
| 1. Pulling Data (Writing Queries) | John |
| 1. Clean | Pallavi |
| 1. Merge | Mohammed |
| 1. Make Graphs | All |
| 1. Analyze Data | Jennie |
| 1. Make Presentation | All |