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| **GROUP MEMBERS** |

* Chris Stecki
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| **PROJECT CATEGORY** |

US COVID-19 Study

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| **DATASET(S)** |

**Title:** USA Statewise Latest Covid-19 Data as 7/10/2022

**Link :** <https://www.kaggle.com/datasets/anandhuh/usa-statewise-latest-covid19-data>

**Description:** The data in the link allows to illustrate the impacts of COVID-19 to date of 7/10/2022 including: Total Cases, Total Deths, Total Recovered, Active Cases, and State Population

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| **PROJECT IDEA** |

This project’s concept includes graphically displaying the dataset on a JavaScript dashboard which will allow the viewer to review overall impacts of COVID-19 by state and whether population has any impact.

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| **PROJECT PLAN** |

The project plan is as follows:

* Clean the data using Python’s pandas in Jupyter Notebook.
* Load the cleaned data into MongoDB.
* Convert the cleaned data from a “.ipynb” file to a “.py” file.
* Create a Web Application using Flask that converts the cleaned data into a “.json” format, which stores it onto <http://127.0.0.1:5000/> as an Application Programming Interface (API).
* Utilize the API to load the data with D3 on JavaScript and create the Leaflet or Plotly dashboard.
* Create an HTML file to display the Plotly dashboard on a webpage.