**Project Summary:**

Coronavirus has spread across the globe in recent months. This virus has upended how people work, learn, and interact. For this project, data was obtained from various COVID-19 data aggregation websites, the CDC, and Kaggle.com. The raw data was cleaned and filtered, then placed in a relational database so analysis can be performed to identify new trends.

Our database provides COVID-19 data for the US by state and county. It offers information on hospital equipment needs, including hospital beds, ICU beds, and ventilators. The dataset includes important policy dates by state, such as gathering restrictions, business closures, and stay-at-home order dates. Forecast projections using several prediction models for deaths by state are also available.

Potential Analysis Opportunities:

* Evaluate hospital resources by state and plan for potential shortages
* Evaluate the effectiveness of policy dates related to restricting contact between people at work, school, and in public places
* Compare number of cases and deaths by county for a specific state
* Analyze if distance from the equator (latitude) has an effect on the number of cases or deaths
* Compare actual data to previous forecasts; determine is there is a model that is more reliable than others for the spread of COVID-19 within the US