***Selected Topic and Reasoning:***

The selected topic is to combine weather and COVID-19 datasets to determine the effect of weather on the COVID-19 infection rate. The reasoning behind this selection is to investigate whether there is any relationship between weather and the spread of COVID-19. By using multiple linear regression, the team aims to determine the impact of weather on the COVID-19 infection rate.

***Description of the data:***

The team used COVID-19 data from Kaggle, which included 1933 and 2484 data points for the dense and sparse county groups, respectively. The data included columns for date, county, state, total\_cases, new\_cases, future\_delta7, and future\_delta14. Additionally, weather data was collected for each county by day, including average temperature, precipitation, windspeed, and humidity.