# Project 3 – Air Quality

Using the OpenWeather [here]https://openweathermap.org/api/geocoding-api we are looking at the air quality for the top 125 populated cities across the United States. We will look at air quality spanning from 2020 to Present. With Utah having poor air quality it will be interesting to see how it stacks up against the other top populated cities. The OpenWeather API requires Lat and Lon coordinates to call the API. We located a Git repo [here]https://gist.github.com/Miserlou/c5cd8364bf9b2420bb29 that lists those coordinates – filtered to only reflect top 125 populated states

Using python we will call the api, filter our data then store it in a database (PostgreSQL) At this point we will build our visualizations using HTML, JavaScript and Leaflet. When filtering our data we decided to also look at the type of pollutant in the air at any given time. We will look at Sulfur, Nitrogen, particulate matter, and Carbon monoxide. The goal will be to have interactive maps that you can filter the types of pollutants.

You can find our GitHub Repo [here]https://github.com/railcressall/project_3.git