

## Project 3 Group 08 Proposal

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**Why did we choose this dataset?** We decided on our air quality dataset because we thought it would be interesting to see the difference between not only continents but also the countries themselves. We also choose this dataset because it was a csv that we could easily import into Jupyter Notebook and turn into a data frame and work off of. With the latitude and longitude columns in this dataset we will be able to add drop downs to our heatmap to specify certain areas on the map we want to target.

- [kaggle dataset](#)

### Research Questions:

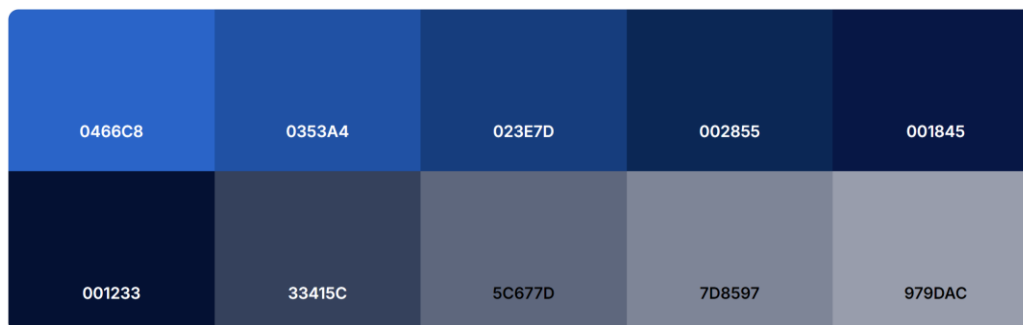
1. What cities rank the worst in overall air quality?
2. Where across the world is the best air quality located?
3. Is the AQI, CO, and Ozone values similar amongst the countries?

### [inspiration](#)

### Visualizations:

1. Heatmap/marker map
2. Plotly bar chart – aqi value of top 20 cities
3. Grouped bar with all the different values
4. Bar chart on AQI categories (good, moderate, unhealthy)

### Color Palette:



### Roles & Responsibilities:

- Everyone: flask app, and writeup, slideshow slides
- Alex: proposal, Grouped bar chart
- Andrew: data cleaning, heat map
- Hannah: proposal, bar chart on AQI

- Jessica: bar chart of 20 cities with worst aqi

**GitHub Link:**

[github](#)