**Air Quality Project Proposal**

**Team:**

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**Goal:**

The goal of our analysis is to determine where the cleanest air quality is in the United States.

**Data Sources/Information:**

* Data Source: EPA Air Quality Data
* Site: <https://www.epa.gov/outdoor-air-quality-data/about-air-data-reports>
* Date Range: Jan - Dec 2019
* [GitHub Repository Project Delivery](https://github.com/grahamendean/Project_2)

**Strategy & Metrics:**

* Download data file
* Create database
* Clean data
* Create Flask
* Build HTML page to build website
* Create basemap
* Markers for the locations where measurements are being taken
* Create heatmap (good vs. bad air quality)
* Bar graph with charts (air contents)
  + X states and locations
  + Y particles being measured

**Data Analysis Tools Plan:**

* MongoDB - Clean data storage
* Python/JupyterNotebook- Cleaning data
* JavaScript/D3- Functionality
* Leaflet- Mapping

**Presentation Delivery Method:**

* PPT - Primary
* Website- Reference