**Project Title**: Climate Change: Reality or Myth?

**Team Members**: Anthony Phelps, Jasmin Johal, Rama Pranadinata, Robina Shaheen

**Project Description/Outline**:

**Research Questions to Answer**:

Is it climate change affecting society or society affecting global climate?

**Parameter to be tested:**

In order to o address this challenging question, our team will analyze various indicators of changes in the atmospheric composition and how this change is reflected in various populations (one can focus on world major cities).

1. Atmospheric composition such as ozone, carbon dioxide, PM2.5 (fine particulates) and temperature
2. Incidence of global wildfires and temperature relationship
3. Health consequences such as asthma and relationship with ozone and PM2.5.
4. to bridge the gap between science and public understanding, we will analyze general Public’s sentiments and role of media in shaping the opinion.

In order **Data Sets to be Used**:

* CHHS Asthma ED Visit Rates: <https://data.chhs.ca.gov/dataset/asthma-ed-visit-rates-lghc-indicator-07/resource/781708cb-7b25-4967-b760-54b2a4b8cfed>
* Air Quality data archive from EPA websites and world climate data.   
  https://aqs.epa.gov/api  
  <https://aqs.epa.gov/aqsweb/documents/ramltohtml.html#serviceAvailable>

**Rough Breakdown of Tasks**:

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| --- | --- |
| **Team Member** | **Tasks** |
| Anthony Phelps | 1,2,4 |
| Jasmin Johal | 3,4 |
| Rama Pranadinata | 3,4 |
| Robina Shaheen | 1, 2,4 |

Tasks for each question: querying data (e.g. via API), merging datasets, cleaning up data, analyze data, create 2-3 visualizations, summarize findings, discuss implications