**Project Proposal**

**Motivation for Analysis:**

Visualise the impact of the Canadian wildfires on air pollution in Rainbow Lake.

**Methodology**:

* Retrieve data from the Open Weather API for the period January 2022 to August 2023.
* Visualisations:

1. Heatmap with dropdown / slider. 2 files. - Kevin
2. Bar chart / pie chart showing the composition of pollutants in the atmosphere. Dropdown allows us to see this breakdown by day / month (one location). - Zinny
3. Line graph for individual pollutants – filter by chemical through dropdown (one location). - Ashan

**Task Breakdown**

* Gather data on locations of Canadian wildfires - Kevin
* Call API and convert JSON to CSV, then create SQL Lite database file – Ashan and Shayan
* Create a Python Flask API – Shayan
* Create HTML page - Zinny
* Create Heatmap Visualisation – Kevin
* Create Bar / Pie chart visualisation – Zinny
* Create Line ad Pie graph visualisation - Ashan