**Investigating the Relationship between Air Quality and Health Outcomes.**

**Introduction:**

Air quality plays a crucial role in determining public health outcomes. This project aims to explore various aspects of this relationship, including cardiovascular diseases, mental health, respiratory health and socioeconomic disparities.

**Objectives:**

* Evaluate the hypothesis that urban areas with high vehicular emissions have a greater prevalence of cardiovascular diseases compare to rural areas with lower air pollutant levels.
* Conduct and investigative analysis to identify possible correlations between air quality and mental health outcomes such as depression, anxiety and cognitive functions.
* Utilize geospatial analysis to examine how air quality metrics impact respiratory health outcomes, focusing on specific regions and comparing with death rates and cause of death.
* Explore socioeconomic disparities in air quality and health outcomes across different socioeconomic groups by analysing income levels, education levels and race/ethnicity alongside air quality and health data.

**Team Members & Responsibilities:**

* Alvin Giang:
* Bradley Curthoys:
* Fatema Girnary:
* Wendy Ware:

**Data Collection:**