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| Real Time air pollution,Comparing continents and evaluating performance | Abstract  By reviewing live data of pollution indicators it will be shown which are the best and worst performers by continent. The data obtained can be expanded to include historical data to analyse long term performance. The snapshot provided can give an insight into where improvements could be targeted.  John Truong  Wei Ke (William)  Callum Linnegan  Karissa Malseed  James Rydlewski  Data Analytics Bootcamp: Project 1 |

# Introduction

Air Pollution is produced from a host of different sources and is closely linked to population size and heavy industries in a locality. This report is focussing on consideringa cross section of cities from different continents to make a comparison of the pollution data. From this it will be possible to glean which region is the greatest contributor to global air pollutants.

The data obtained is real time snap shot of air pollution in different cities this will be taken as a typical output for each of the cities and regions considered. For future iterations of this project historical data can be used which would show how air pollution has increased or decreased with respect to time.

# Data Presentation

The joy of data analytics is the story that can be presented illustrating the findings of the research performed. The data gathered for our analysis is real time air pollution data. The graphics elected to show this data are:

* Pie chart showing the concentration of pollutants in each regions worst performing city
* Bar chart showing the air quality index for each city within a region.
* Top 10 worst performing cities by region for each pollutant category
* Box and whisker showing the range of performance for each region for each pollutant type
* Scatter plot of pollutants vs location to see what correlation there is.

# Background

The Background information covered will be

## Melbourne

## Sydney

## Perth

## Wuhan

## London