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| Covid 19 restrictions and the impact on air pollution | Abstract  By reviewing data for 2020 for a selection of cities globally and comparing the emissions with pre 2020 values the impact of lockdowns on coomon air pollutants will be shown  John Truong  Wei Ke (William)  Callum Linnegan  Karissa Malseed  James Rydlewski  Data Analytics Bootcamp: Project 1 |

# Introduction

2020 saw the spread of Covid 19 which led to many countries imposing restrictions to minimise the spread of the virus. One popular tool used by many governments has been “lockdowns”. These have restricted the movements of people within the region that they reside and for many working from home has become the new normal (another phrase that has gained notoriety in the past 12 months).

Owing to the limitations imposed on populations and the reduced traffic that has occurred it is proposed that there will be a reduction in the level of air pollution as fewer people are required to commute or travel within a region. Whilst the severity and length of lockdowns have varied significantly with different governments internationally this report will view 2019 as a typical year and compare air pollution from 2020. It is hoped that by reviewing air pollution data it will be shown as to when lockdowns were in effect and what impact they had on air pollution.

This report will compare, Melbourne, Sydney, Perth, Wuhan, and London. Each city has adopted a different philosophy to lockdowns. Australian cities are blessed in that numbers of the virus have not been as catastrophically high as in other locations. For the purpose of this report Wuhan and London shall be compared to the Australian Cities. Wuhan has been chosen due to the immediate and harsh approach to lockdown adopted and London owing to the inconsistent approach adopted by their government which has yielded numerous lockdowns and significant damage to its Economy.

# Background

The Background information covered will be

## Melbourne

## Sydney

## Perth

## Wuhan

## London