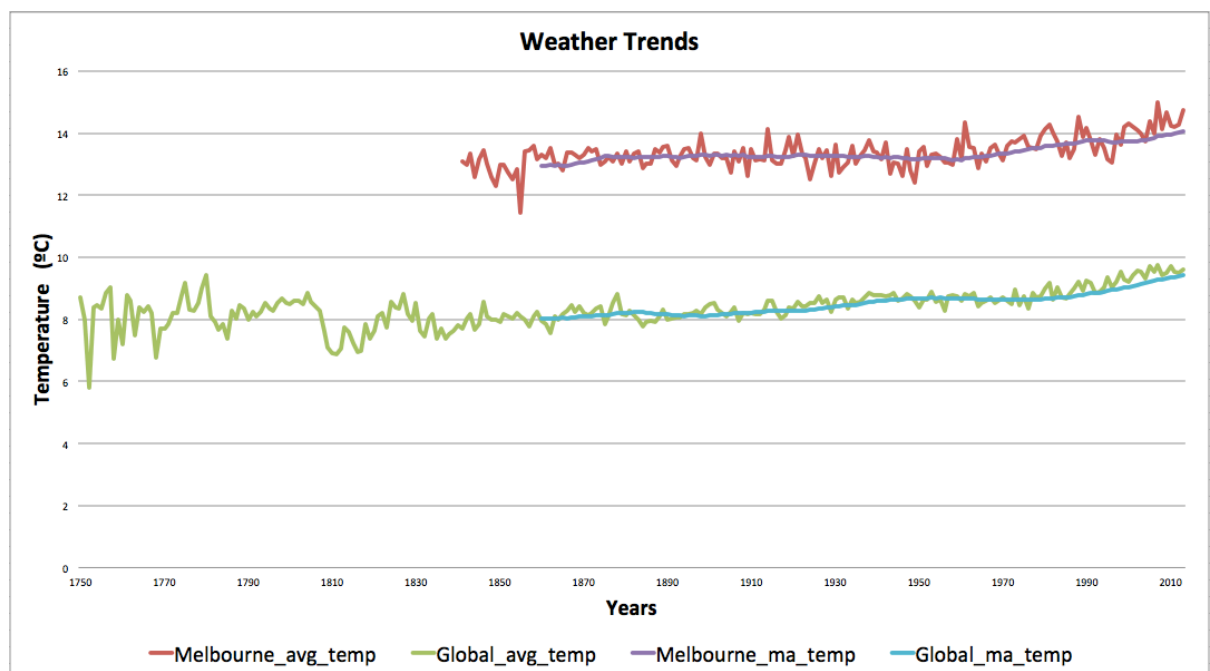**Project: Explore weather trends**

This report provides an analysis of average temperature development globally vs. Melbourne Australia.

Moving averages of annual temperatures are plotted in the chart below.

Key observations are:
- Melbourne temperatures are hotter than the average globally.
- Both Melbourne and Global temperatures have increased over the years.
- The rate of temperature increase has increased for Melbourne and the world starting from the 70's.
- Melbourne temperature shows a higher fluctuation year by year than the global average annual temperatures.

Melbourne_avg_temp: data sourced from the Database Schema. SQL query used;
    SELECT year, avg_temp
    FROM city_data
    WHERE city LIKE 'Melbourne' AND country LIKE 'Australia'

Global_avg_temp: SQL query used;
    SELECT *
    FROM global_data

Both outputs were downloaded in CSV and then saved in an Excel spreadsheet

Melbourne_ma_temp: this is the moving average. It is based on Melbourne_avg_temp and uses the average of 20 annual observations. Formula

was used in Excel: =average(range of the first 20 years available in Melbourne data). Melbourne Temperature was available from 1841.

Global_ma_temp: this is the moving average. It is based on Global_avg_temp and uses the average of 20 annual observations.