Correlation between greenhouse gas emission and various statistics for countries and continents

This investigation is done using data selected from a few countries in each continent in the timespan of less than 10 years from 2006 to 2015.

The correlations of GDP per capita, GDP growth, income per capita, with temperature and greenhouse gas emission in each continent is first investigated. Looking at Q1\_1 we discover that GDP per capita generally decreases from 2008 to 2010 and increases afterwards until the end of data which is the year of 2013 with the exception of Asia. This distracting factor is taken out. However, no clear correlation has been found between GDP per capita and greenhouse gas emission for the globe. From Q1\_3 we get the result about income per capita. Information retrived in Q1\_2 on the other hand implies that a high GDP growth may correspond to a lower emission figure. To study the correlation between temperature and emission, Q1\_4 is generated from our database and we found that a significant number of countries have temperature increase over the years, but short term emission over the course of a year cannot affect temperature. A common trend from all tables from question 1 is that emission and temperature are rising as time pass.