Exploring public data from the World Bank, country-by-country indicators related to climate change:

Climate change indicators data analysed with different indicators like Access to electricity (% of population), CO2 emission, energy consumption and Agricultural irrigated land.

Access to Electricity is percentage of population with access to electricity. The data collected from national surveys and international sources.

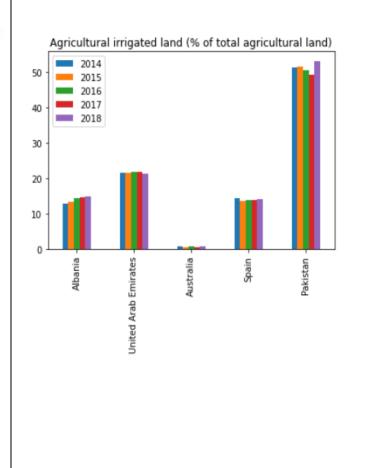
Below graph shows Access to Electricity in different countries during 1990 to 2020. As per graph, in UK and China the electricity access is 100 and 90-100 %. In SA and India, the value was below 70% initially and keep increasing and in SA it reaches 80-90% and in India electricity access is more than 95 % in recent years.

Access To Electricity in 5 different countries 100 90 80 70 China 60 India United Kingdom South Africa 50 1990 1995 2000 2005 2015 2020 2010

Irrigated land -The details of agriculture land provided with water is showed in below graph.

This refers to the % of total agricultural land irrigated. As per the data obtained from world bank for 5

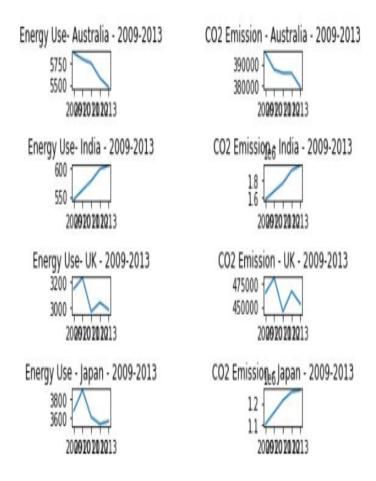
countries(Albania, UAE, Australia, Spain, Pakistan), The irrigated land availability is more in Pakistan and less in Australia compared to other countries in the graph during 2014-2018



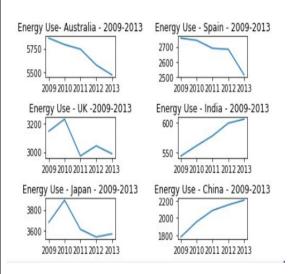
Energy use and CO2 Emission correlation

The graph shows how the energy use and co2 emission of different countries correlated, during 2019-2013, in the world showed in below graph.

In Australia, energy uses decreases co2 emission also decreasing. In India and UK also showing strong correlation between energy use and co2 indicators. But in Japan these 2 indicators are showing negative correlation.



Energy use in world



The energy consumption is getting decreased in recent years in countries like Australia, Spain, Japan and UK. The data for India and China is showing constant increase in the energy consumption during 2009 – 2013.

Annual population growth % of US and UK

 The US data distributions are showing high level of confidence level

