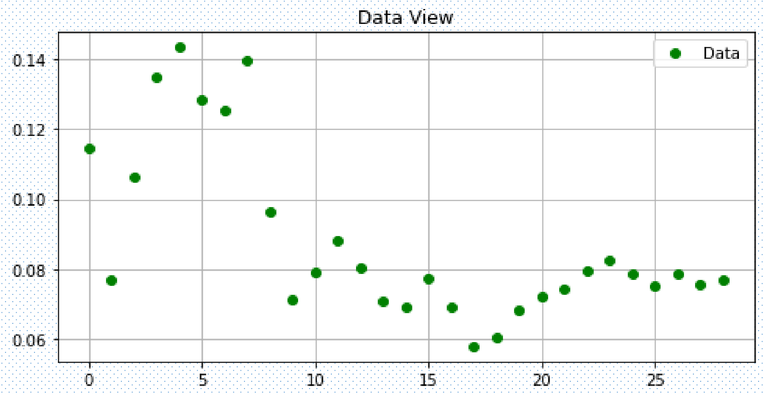
Population and CO2 Emission by Countries

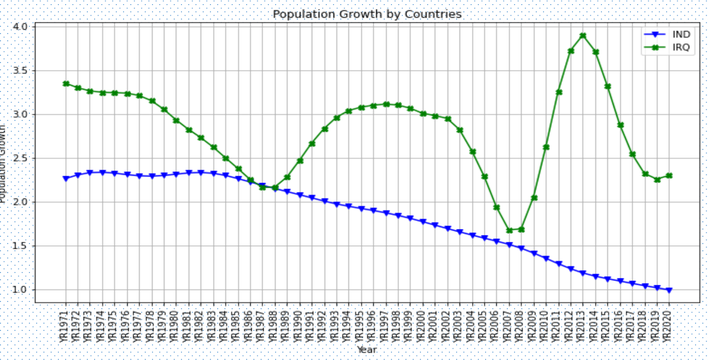
Selected Countries

Aim

The aim of the analyses is to observe the scenario of CO2 emission and population growths of the selected countries for the last 50 years. Additionally, the statistics of the population growths has been analyzed and visualized along with the analysis and visualization of the prediction for CO2 emission of the countries

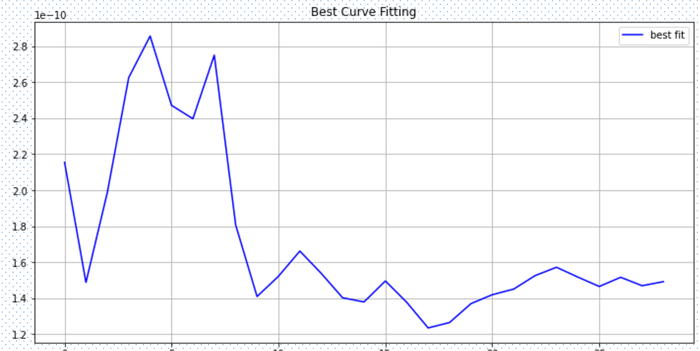


The prediction of C02 emission has been done using Curve Fitting technique with the lower and upper bound error by 1 and 5. The data for last 50 years regarding CO2 Emission is shown here.

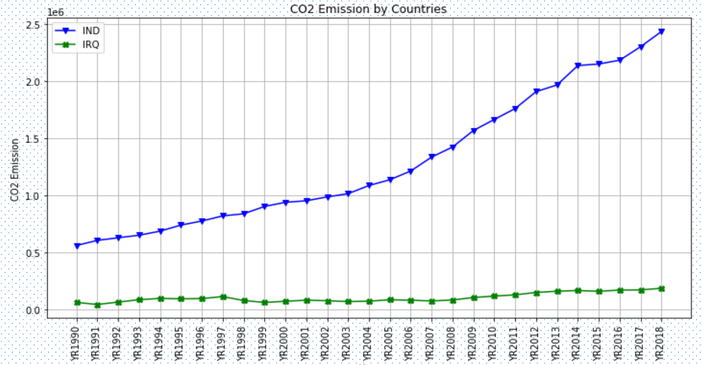


The population growth is higher for Iraq but there are several ups and downs observed by years. On the other hand, it can be seen that the growth of population is decreased for India for last 50 years.

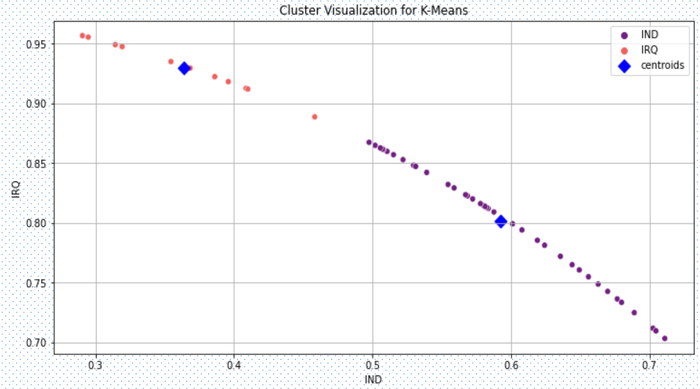
While at the time of prediction, it has been seen that the data has been fitted properly with lower AIC (37.9) and BIC (43). So, the prediction on the data has bene done successfully.

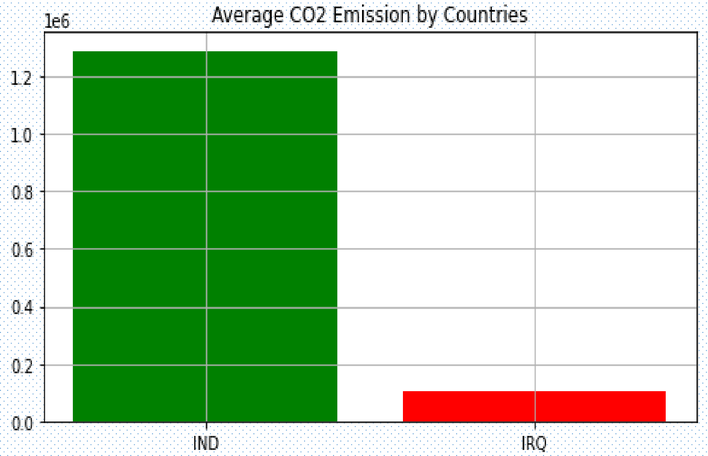


From the analysis, it has been observed that the emission of CO2 is higher for India compared to Iraq. The growth of the CO2 emission has been observed significantly for the last 50 years.

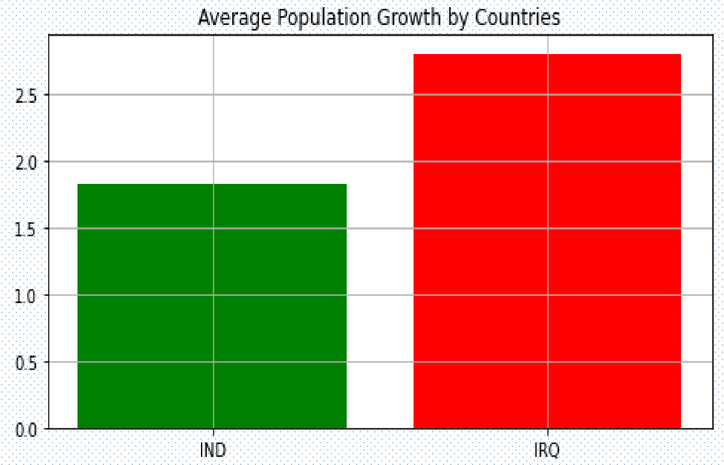


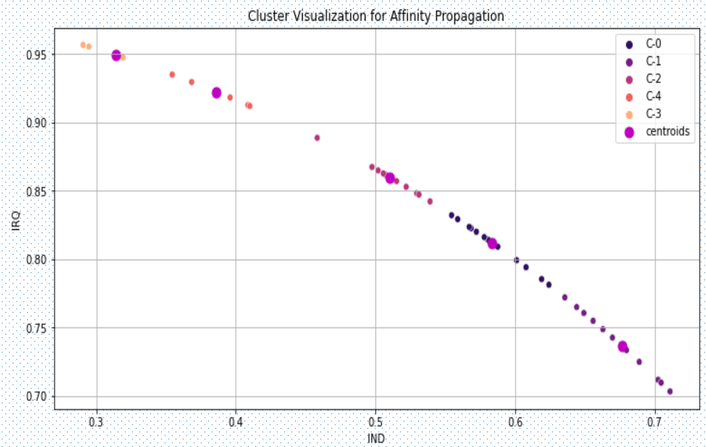
Clustering result is showing the fact that the growth of population is higher for Iraq which also has been obtained as outcome during analyzing the data





The average value of the CO2 emission and Population growth have been analyzed. It can be seen that the average emission if CO2 is higher for India and the Population growth us higher for Iraq.





Data: https://data.worldbank.org/topic/climate-change