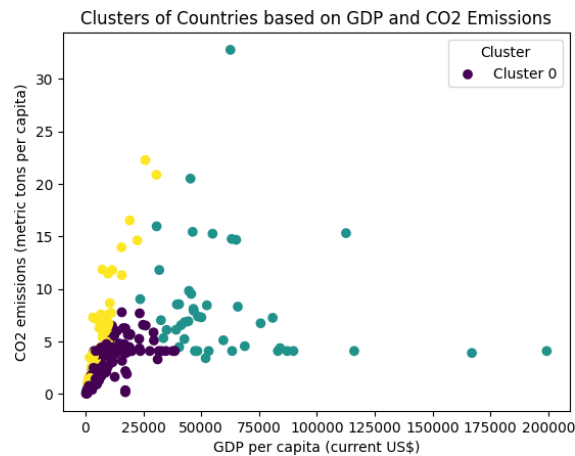
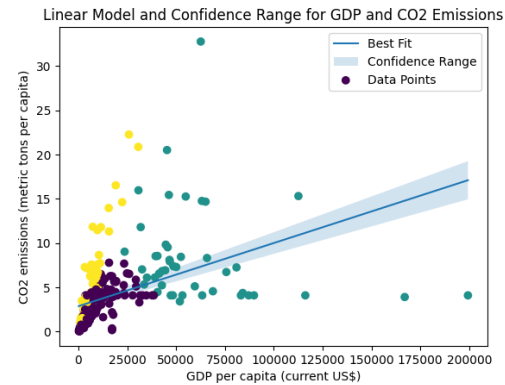


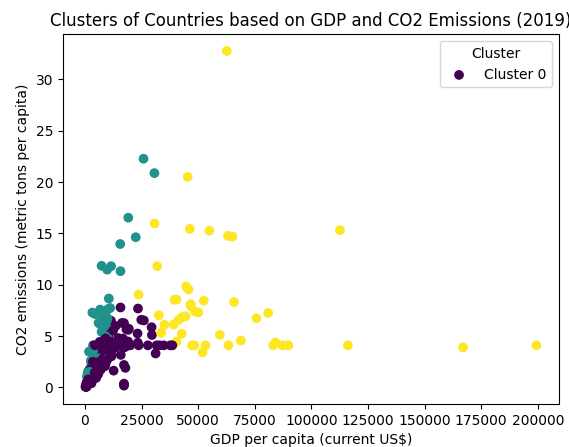
1. <https://github.com/Samranouman/Clustering.git>
2. <https://data.worldbank.org/indicator/EN.ATM.CO2E.PC>
3. <https://data.worldbank.org/indicator/NY.GDP.PCAP.CD>
4. <https://data.worldbank.org/indicator/NY.GDP.PCAP.KD.ZG>



The data has been clustered using KMeans clustering algorithm with 3 clusters. The graph shows the different clusters with different colors, and it can be observed that countries with higher GDP per capita tend to have higher CO2 emissions per capita, and they belong to Cluster 2, while countries with lower GDP per capita tend to have lower CO2 emissions per capita and they belong to Cluster 0. Cluster 1 has countries with moderate GDP per capita and moderate CO2 emissions per capita. The graph provides a visual representation of how the countries are grouped based on their GDP and CO2 emissions.



The line labeled 'Best Fit' is the best-fitting linear function, representing the relationship between GDP per capita and CO2 emissions per capita



countries are grouped based on their economic and environmental characteristics. The clustering allows for better understanding of the relationships between GDP and CO2 emissions, as well as identifying similarities and differences among countries.

	Country Name	Cluster	GDP per capita (current US\$)	CO2 emissions (metric tons per capita)
54	Czechia	0	23664.847863	9.022786
16	Burundi	1	216.972968	0.060632
234	Tajikistan	2	889.020262	1.008889