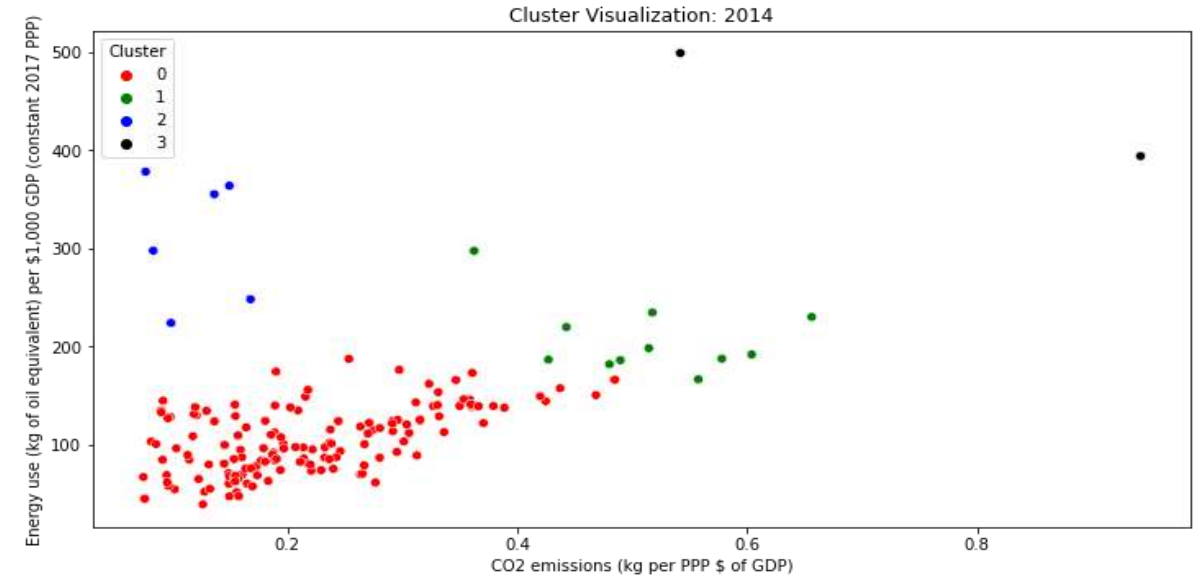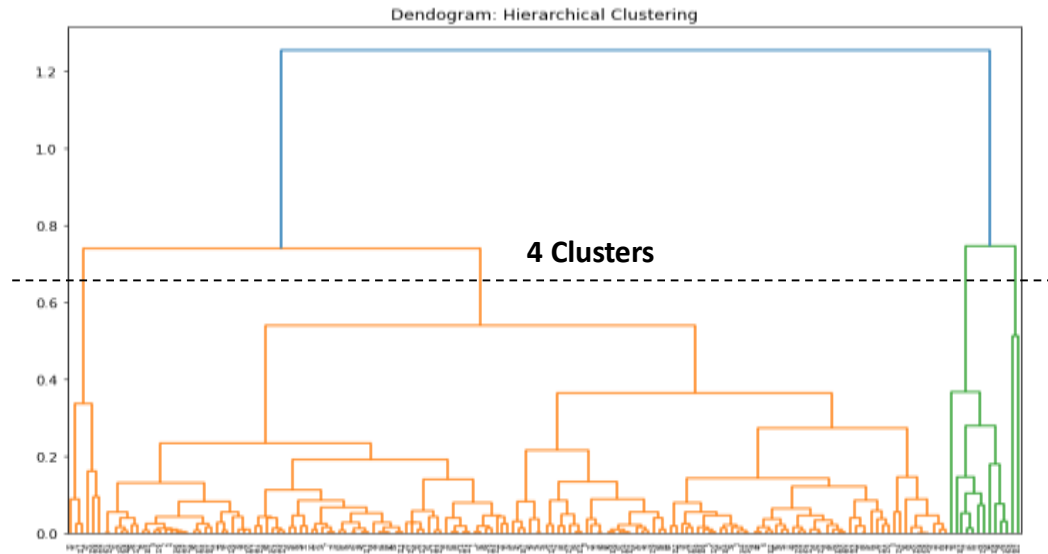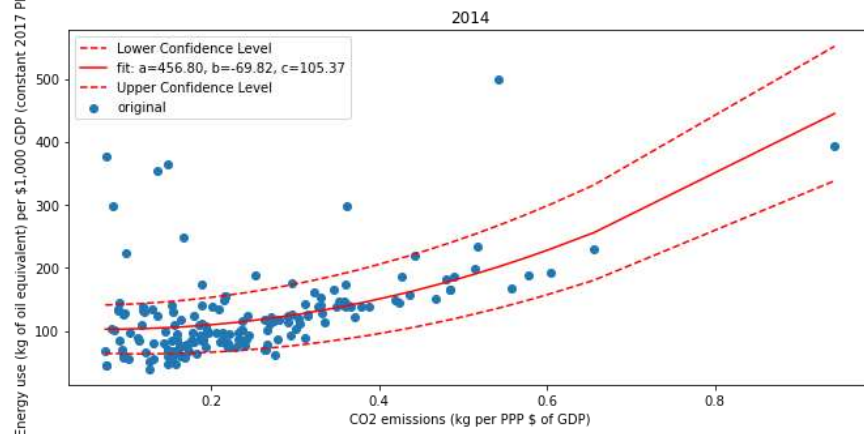# Scatter Plot Cluster Visualization of CO2 Emissions - 2014

Cluster 0 (low-mid CO2 emissions with low Energy Usage), Cluster 1 (mid CO2 emissions with mid Energy Usage), Cluster 2 (low CO2 emissions with high Energy Usage) and Cluster 3 (high CO2 emissions with high Energy Usage)

Curve-Fit Summary for predicting Energy Use from C02 emissions (2014)

- x -> C02 emissions (kg per PPP $ of GDP)
- Model Function: $f(x) = ax^2 + bx + c$
- Optimized Model: $f(x) = (456.80 * x^2) - (69.82 * x) + 105.37$

Energy Usage (kg of oil equivalent) per $1,000 GDP of African Eastern and Southern = 124.96 (Cluster 0)

Energy Usage (kg of oil equivalent) per $1,000 GDP of Bahrain = 163.96 (Cluster 1)

Energy Usage (kg of oil equivalent) per $1,000 GDP of Congo, Dem. Rep. = 102.7 (Cluster 2)

Energy Usage (kg of oil equivalent) per $1,000 GDP of Trinidad and Tobago = 201.63 (Cluster 3)