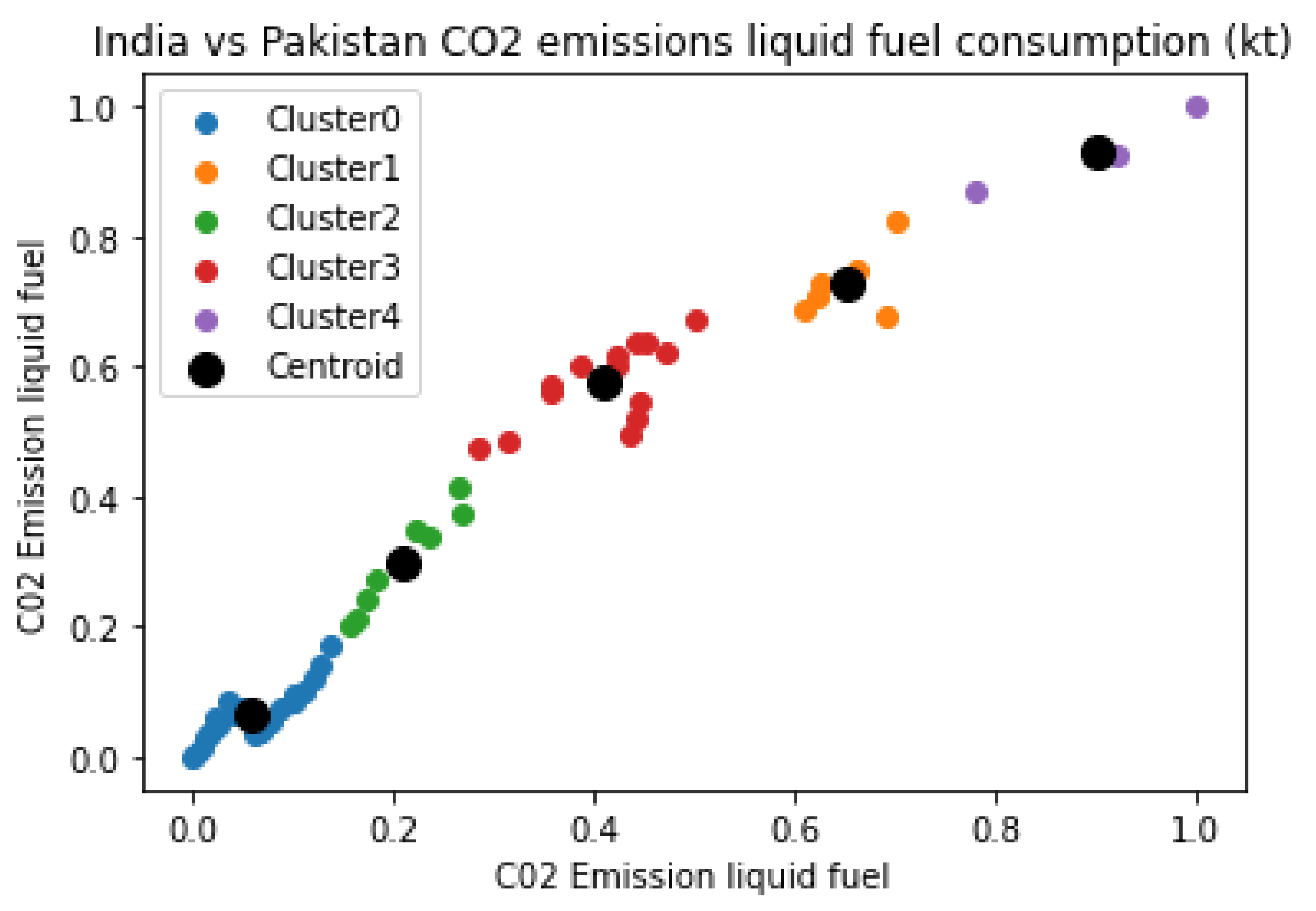
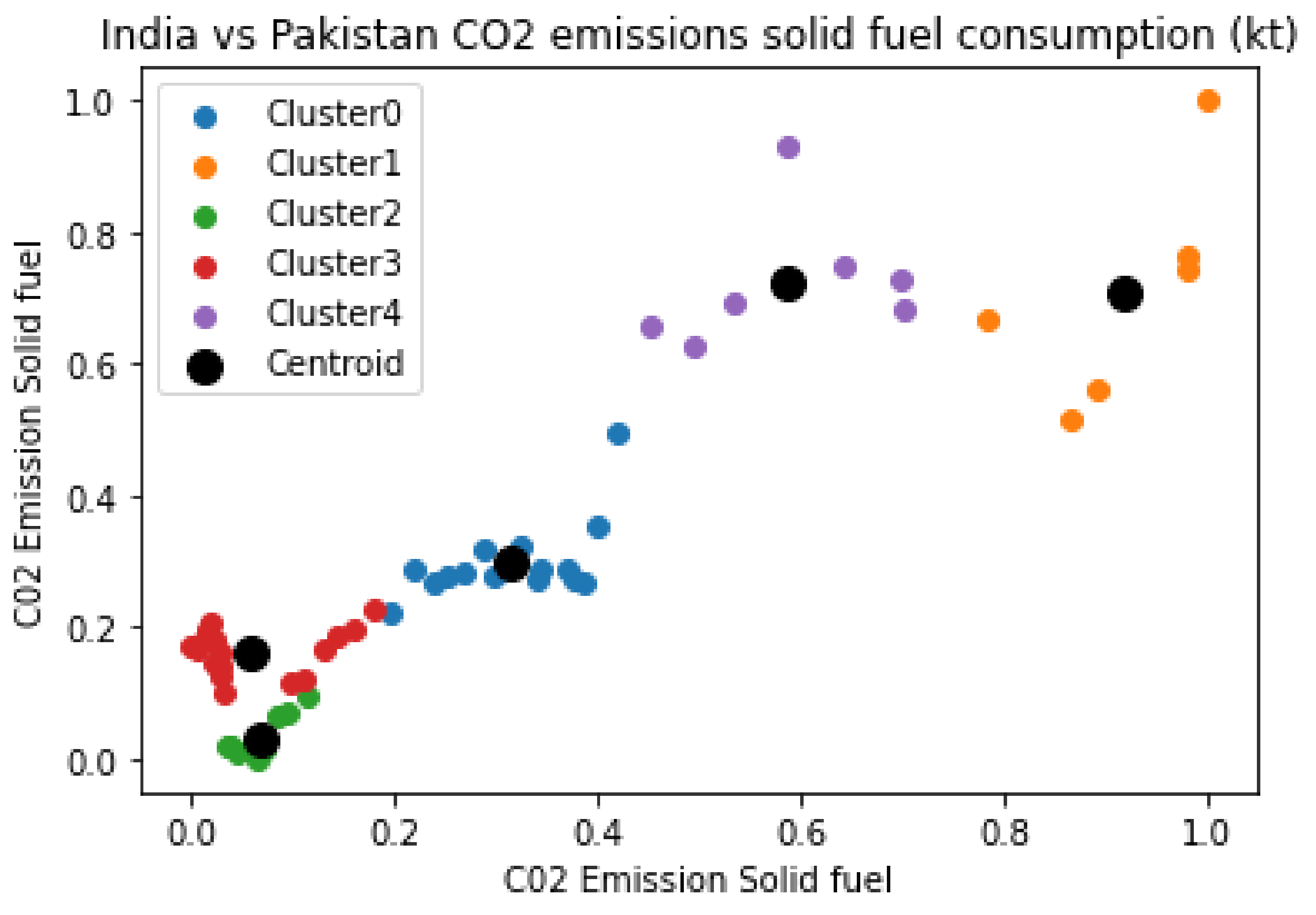


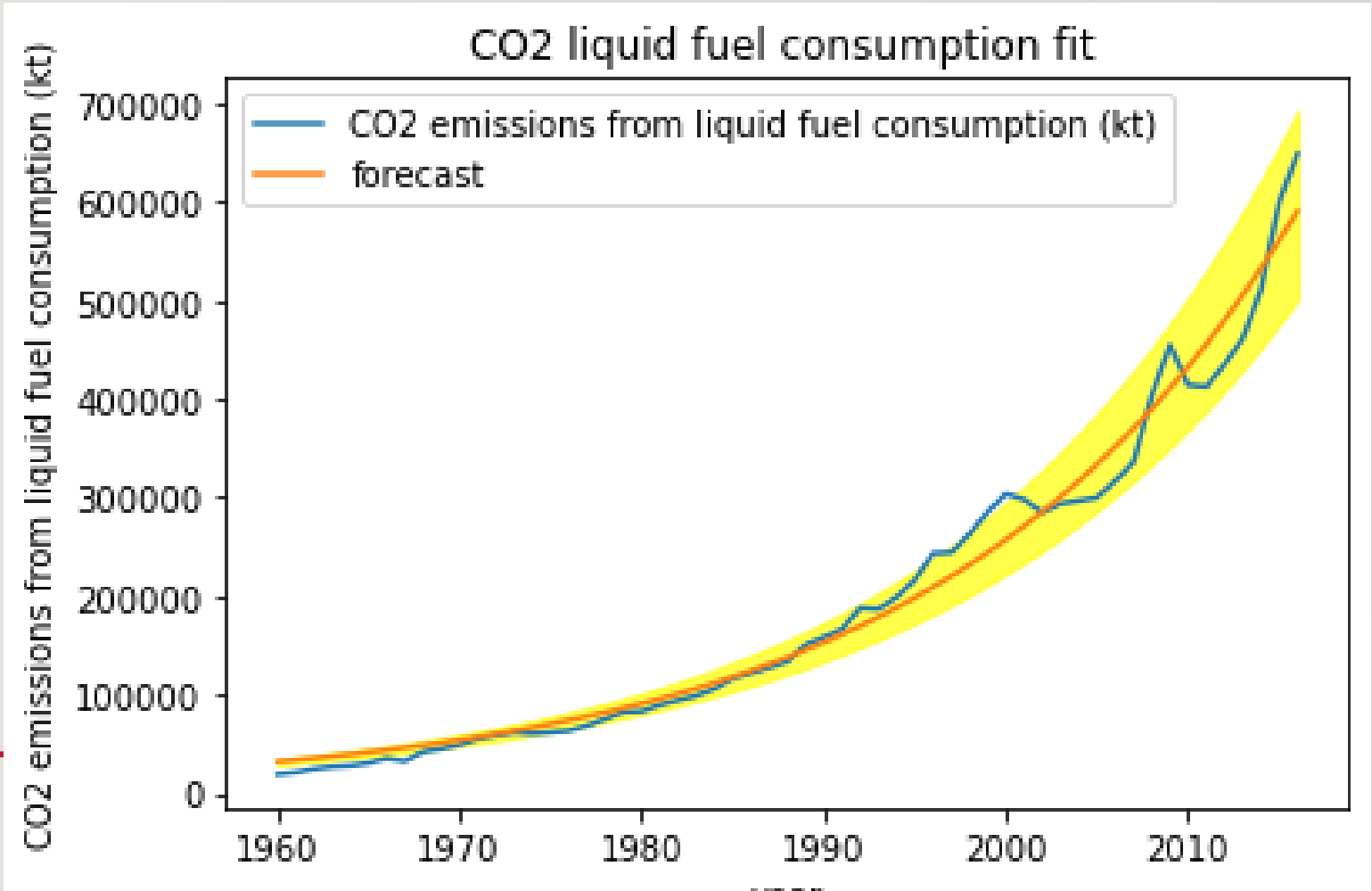
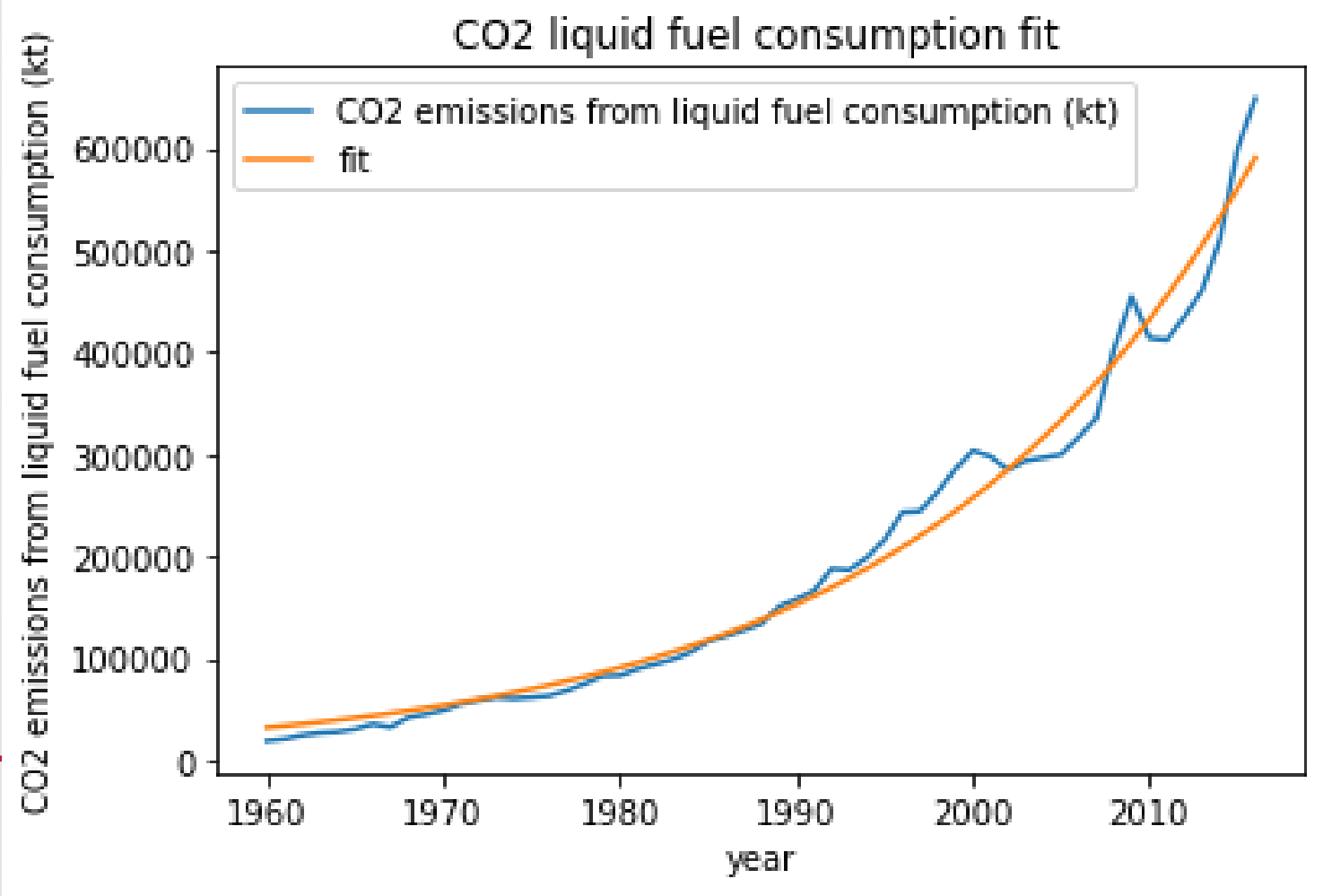
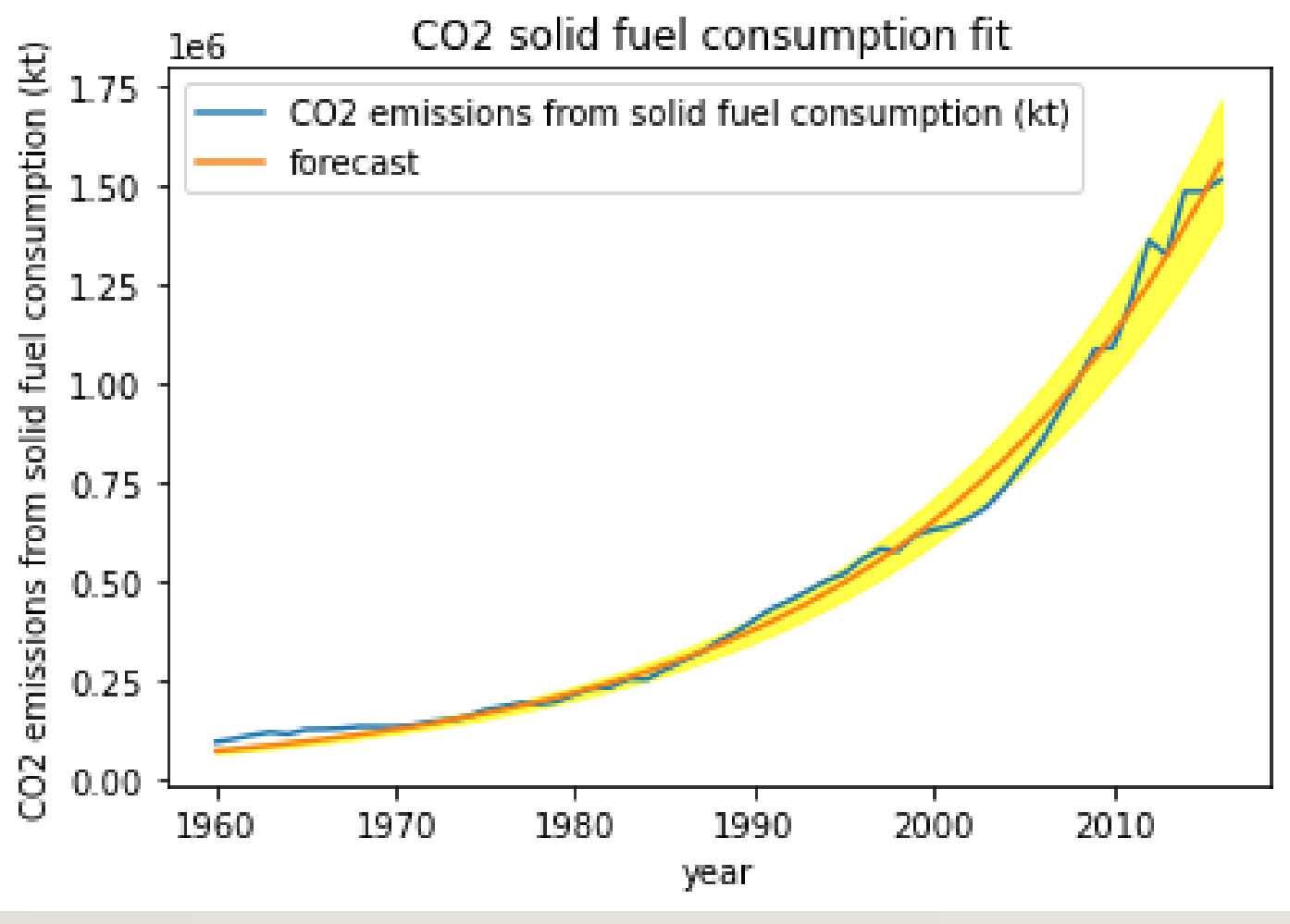
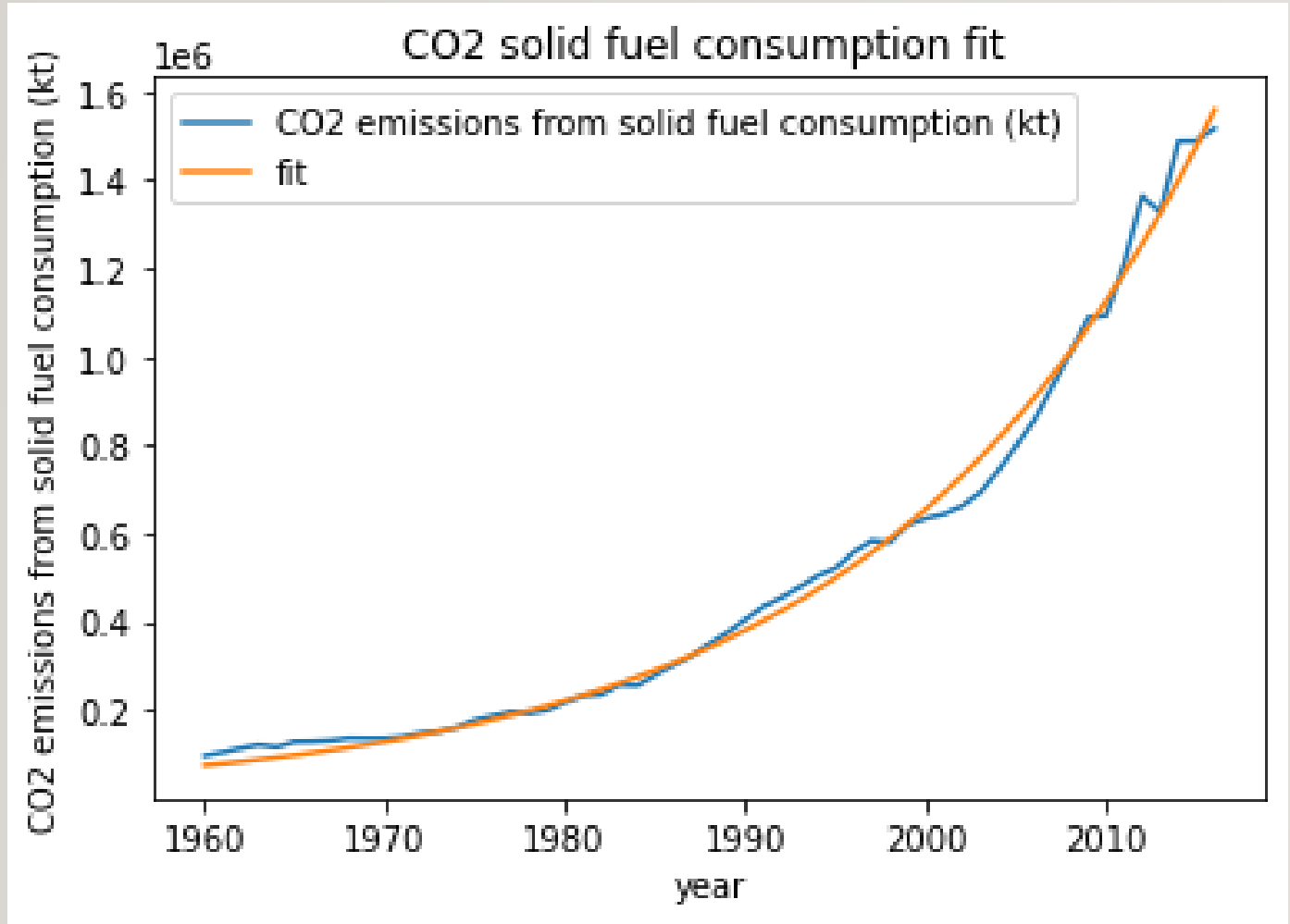
# INTRODUCTION

In this research, we are using CO2 emission Solid fuel consumption (kt) and CO2 emission liquid fuel consumption (kt) indicator with countries Pakistan and India which belong to world bank dataset of climate change. We Analyze by different graph plots.



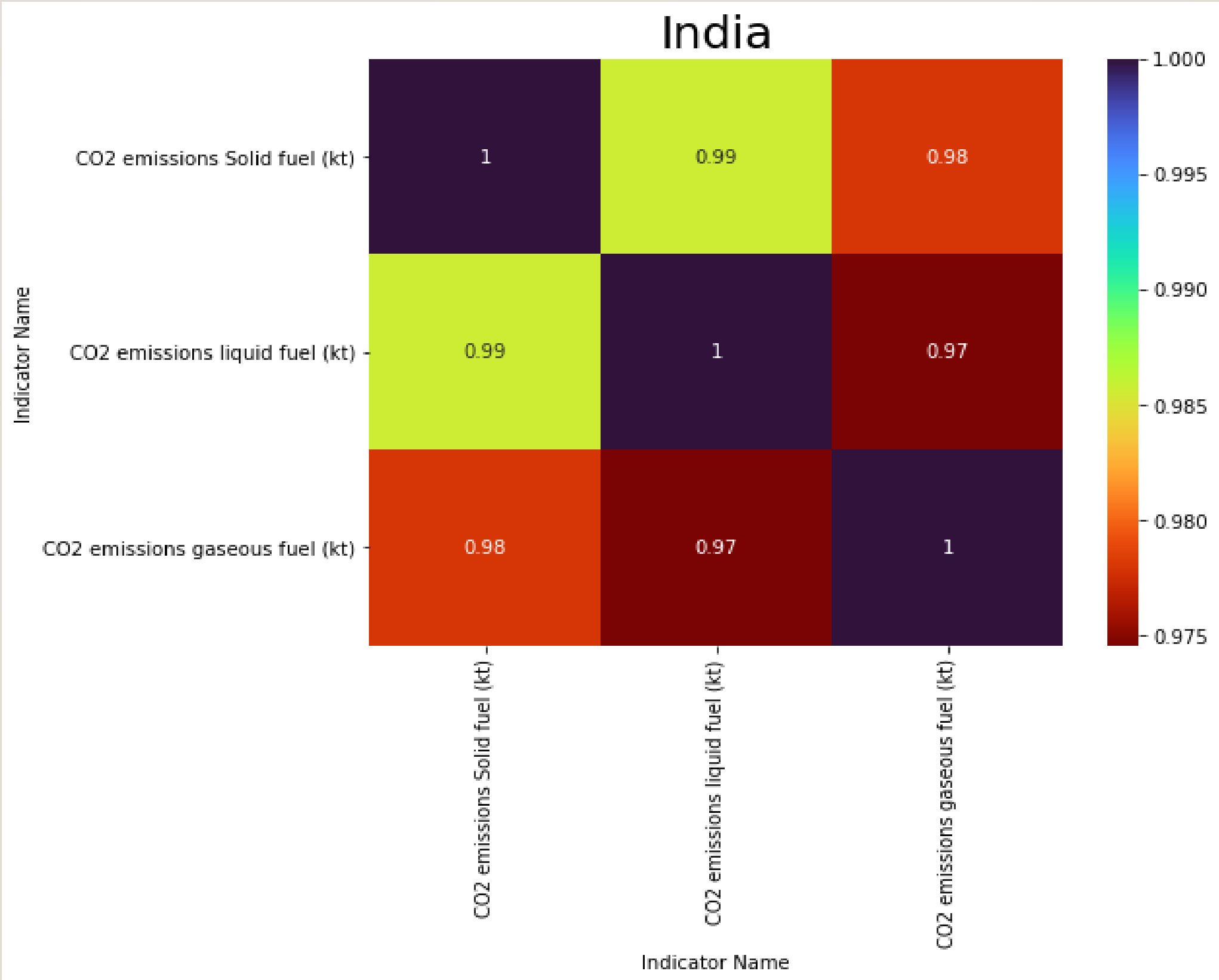
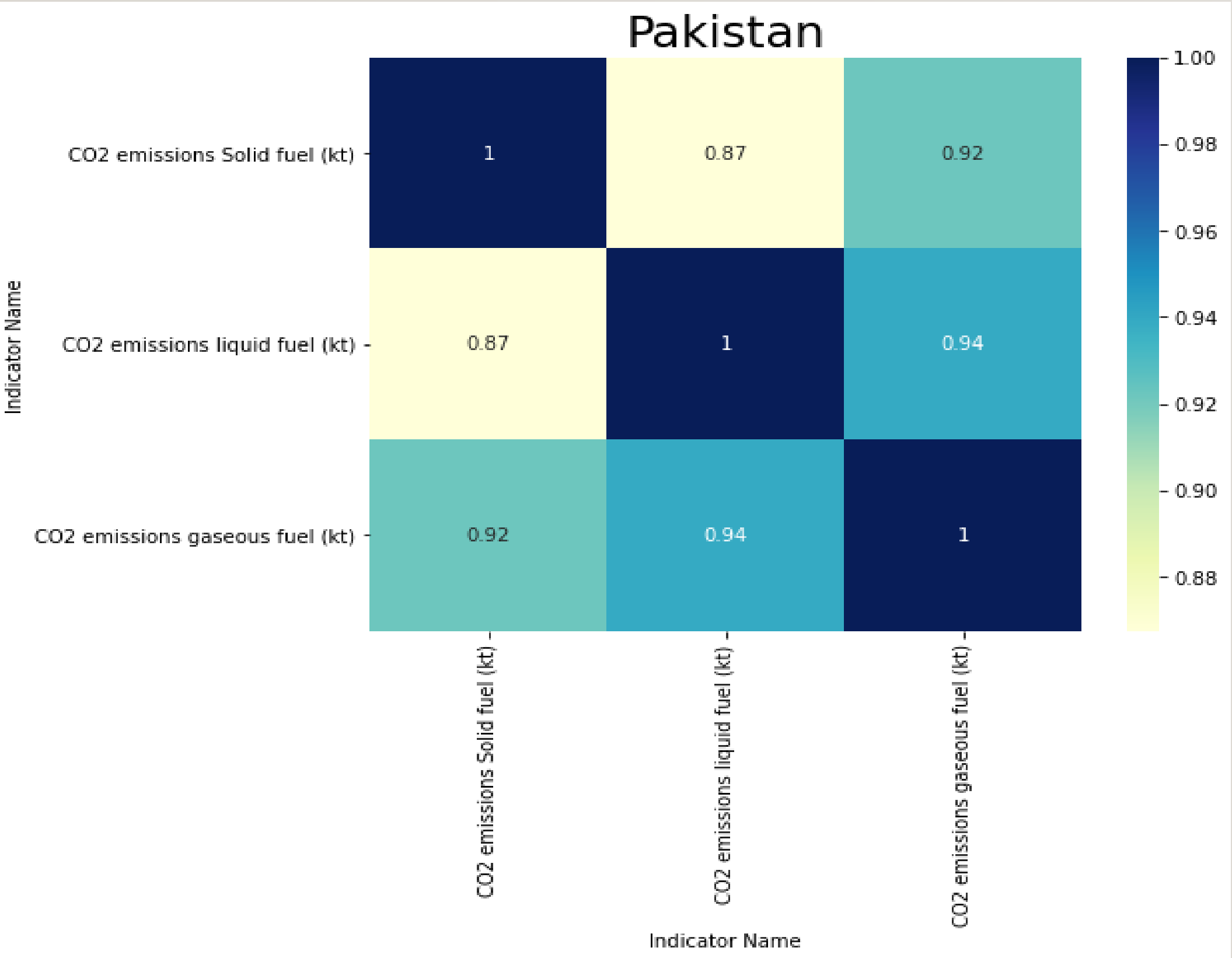
In this plot there are 5 different cluster and one center point. cluster one and four has highest CO2 emission for solid indicator then cluster 0 has 20% to 40%. Least CO2 emission for solid fuel consumption is cluster 2 which is ten to 13%

In this plot cluster 4 has 90% emission for liquid in Pakistan and India region while cluster one has less co2 emission than cluster 4 cluster 0 is producing minimum emission cluster. Cluster 3 liquid fuel consumption in 50% to 65%



CO2 Emission from solid fuel we analyze that 1960 to 1980 Emission of fuel consumption only increases to 0.1 to 0.2 then in 1981 to onward. 2000 co2 emission increases. Moreover, center line fit the relation between year and solid fuel consumption and fit that line to center we analyze solid fuel first produce co2 emission slowly and then go to highest level in next years.

CO2 Emission from liquid fuel we analyze that 1960 to 1980 Emission of fuel consumption no co2 liquid fuel consumption increase then some increase in 1980 to 2000 then again drop and then increase in 2010 to onward. Orange fit fit the center of year. Yellow color is showing co2 from 100000 to 200000 line is stable and rapidly yellow color is increasing with years and co2 emission from liquid fuel consumption.



Correlation of Pakistan India are related to three indicator CO2 emission from solid fuel consumption, CO2 emission from liquid fuel consumption and CO2 emission from gaseous fuel consumption both have strong relationship it mean both countries are producing co2 emission in all three categories solid, liquid, and gas which is very necessary requirement all over the world

## Conclusion

We conclude from this research Pakistan and India both countries have strong correlation. Pakistan and India are major countries of asia which important factor is co2 emission solid, liquid and gas fuel consumption. Scatter plot is showing the cluster 0 to 4 and center point which fit the center of all clusters and indicate which cluster has highest co2 emission.