

GDP Growth Per Persons Employed In Selected Developing and Developed Countries

APPLIED DATA SCIENCE 1 ASSIGNMENT 3:

Githublink: <https://github.com/taladesuru/UH-codeworks.git>

CLUSTERING AND FITTING

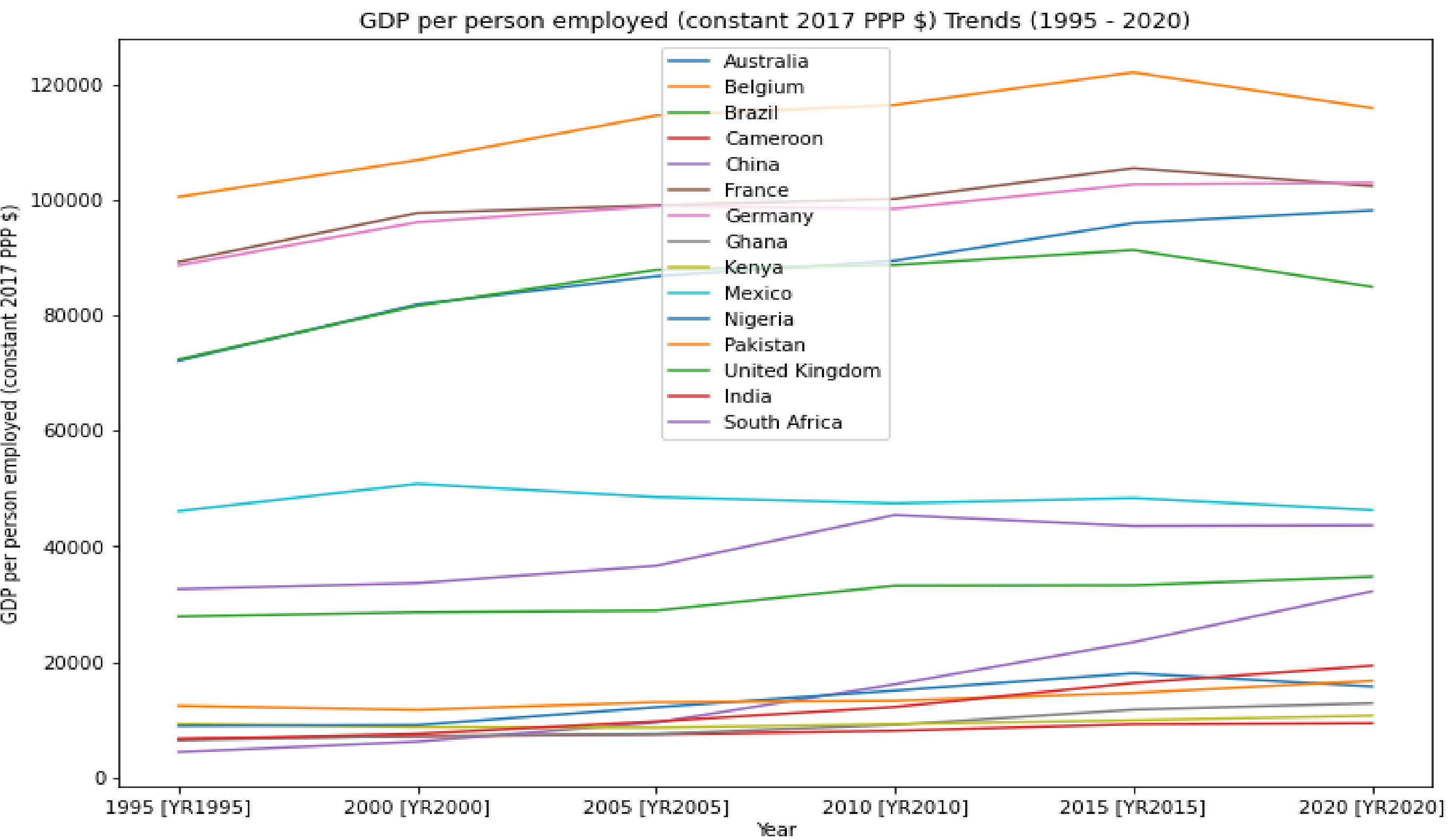
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ABSTRACT

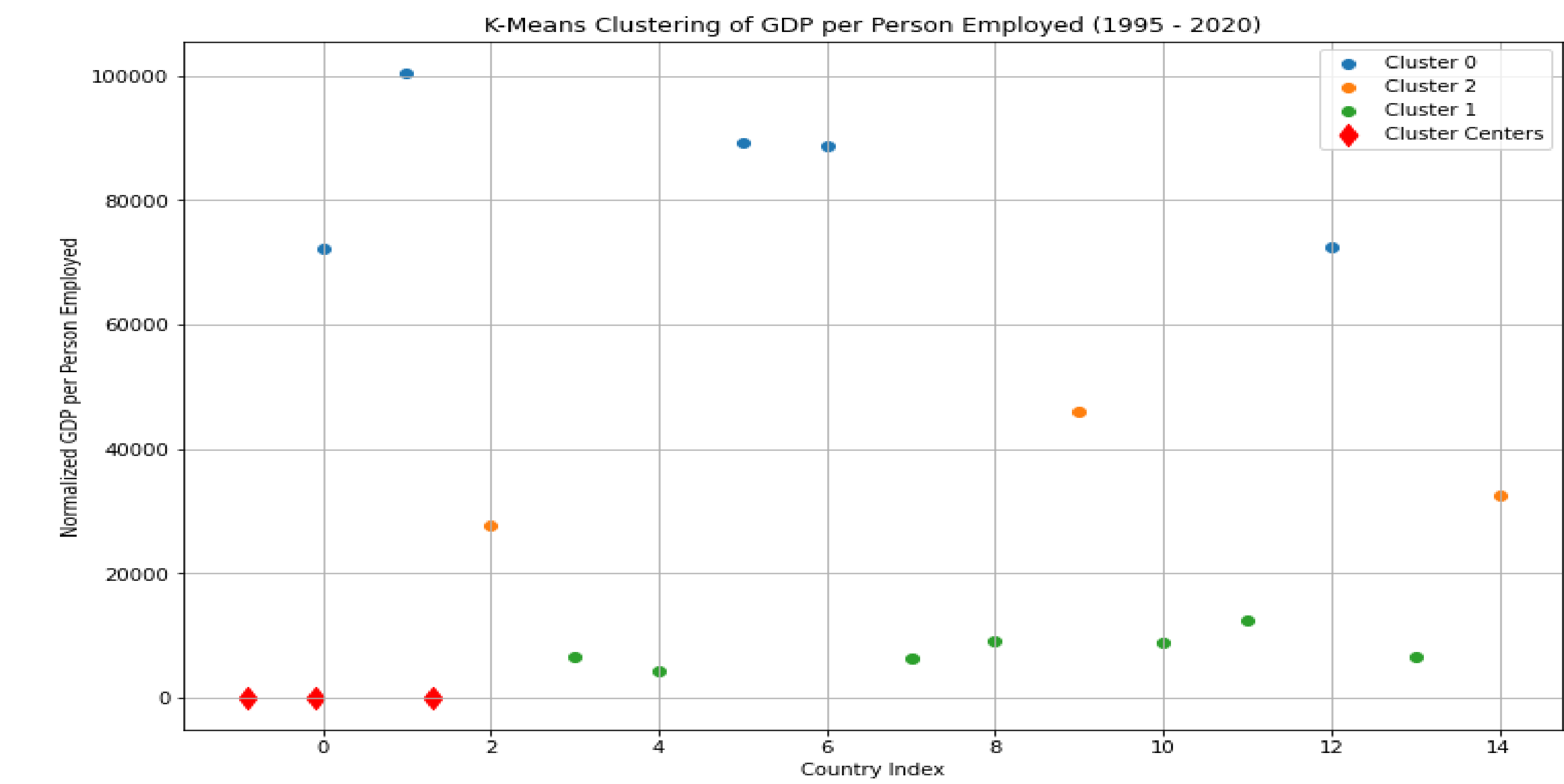
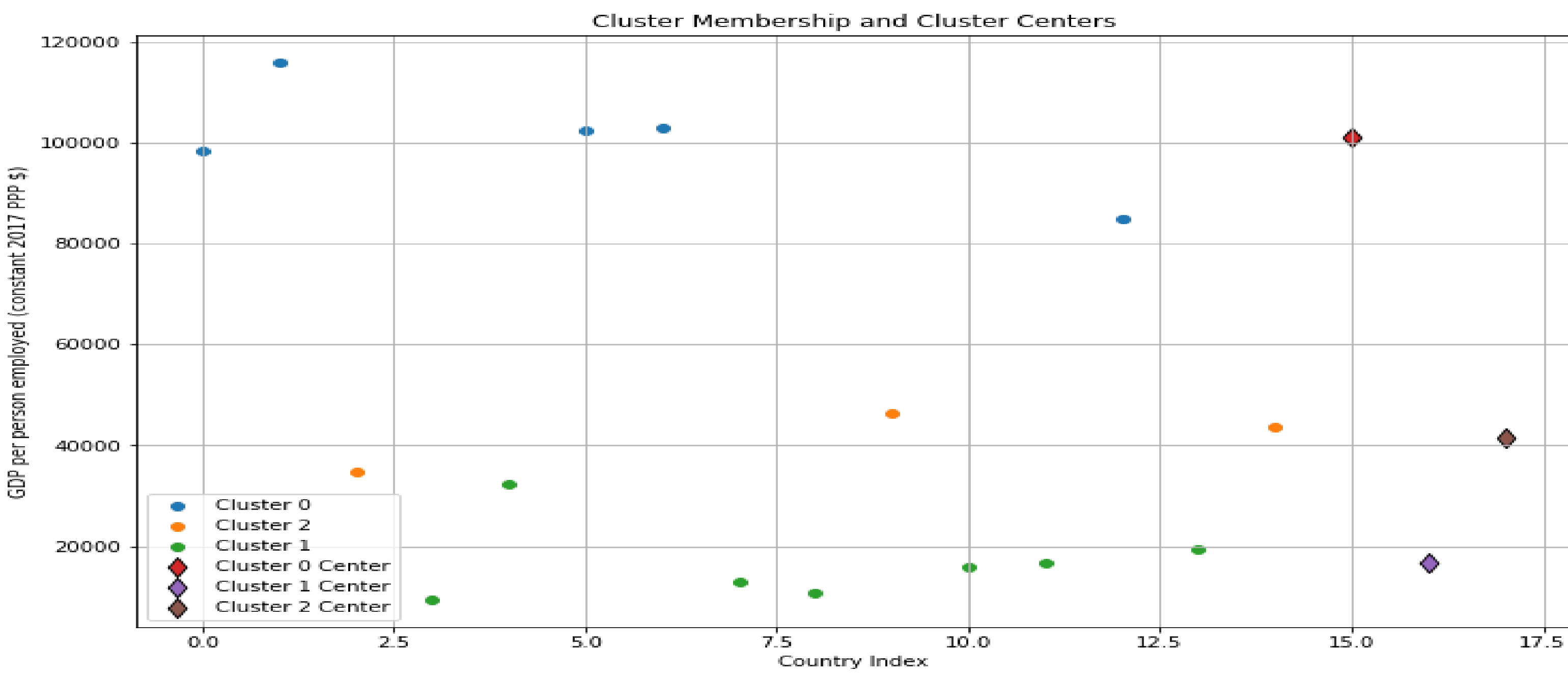
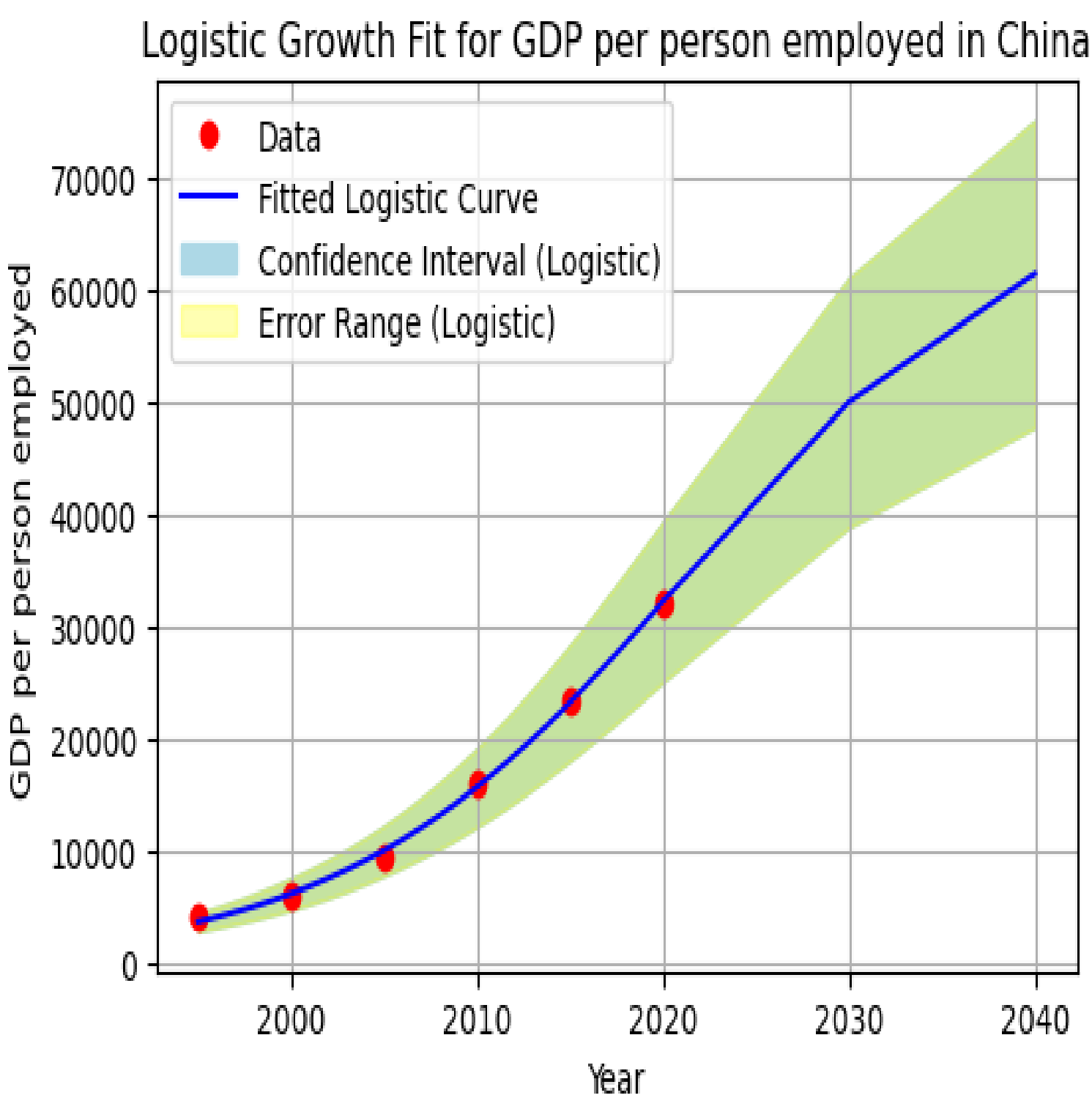
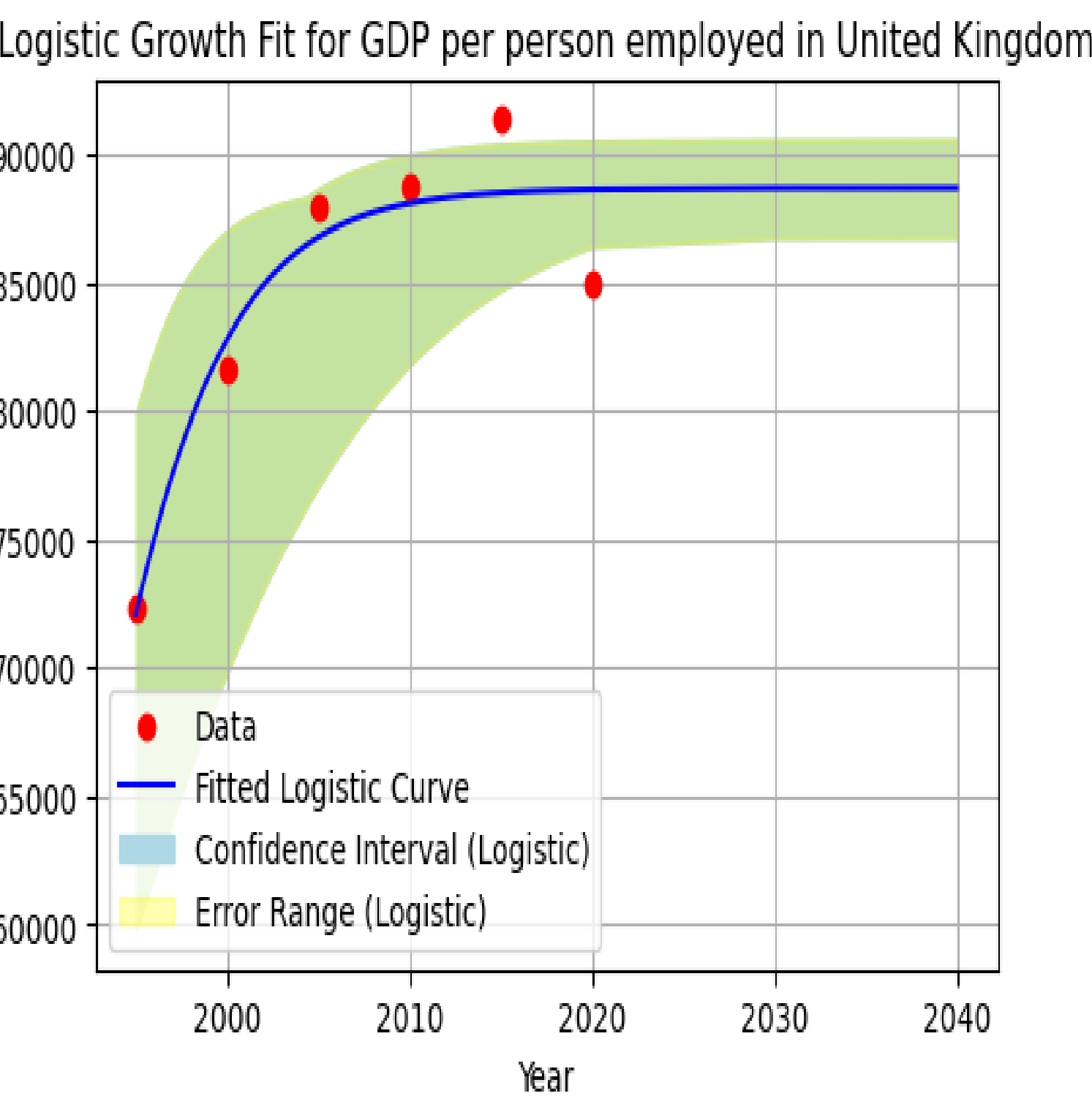
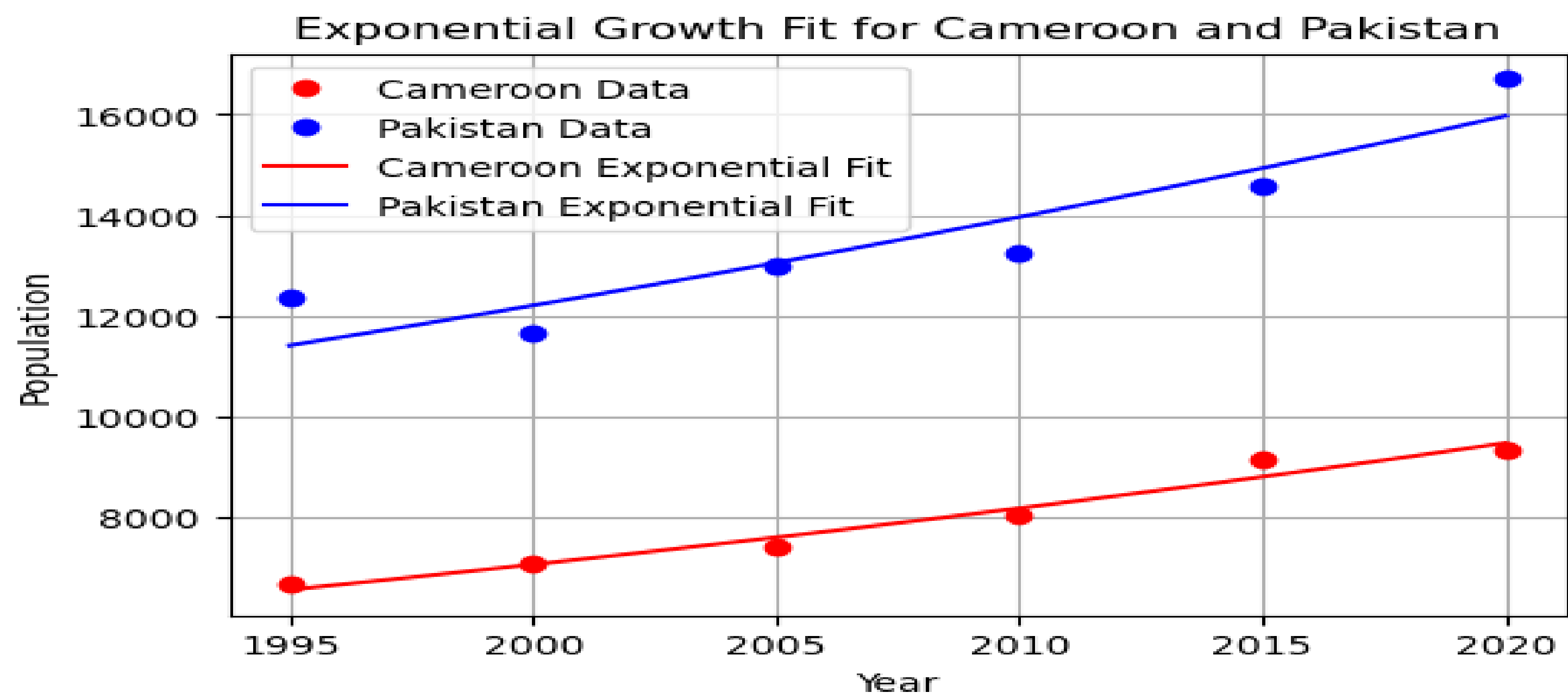
Python code used to display the fact that increase in employment in developing countries leads to increase in Gross Domestic Product (GDP). This is achieved by generating clusters for dataset from a mixture of developing and developed countries obtained from the world bank website to determine how the GDP is affected by the Purchasing power parity (PPP) GDP when comparing it with the number of employed workers in each country using the adjusted 2017 constant international dollars PPP rates.

INTRODUCTION

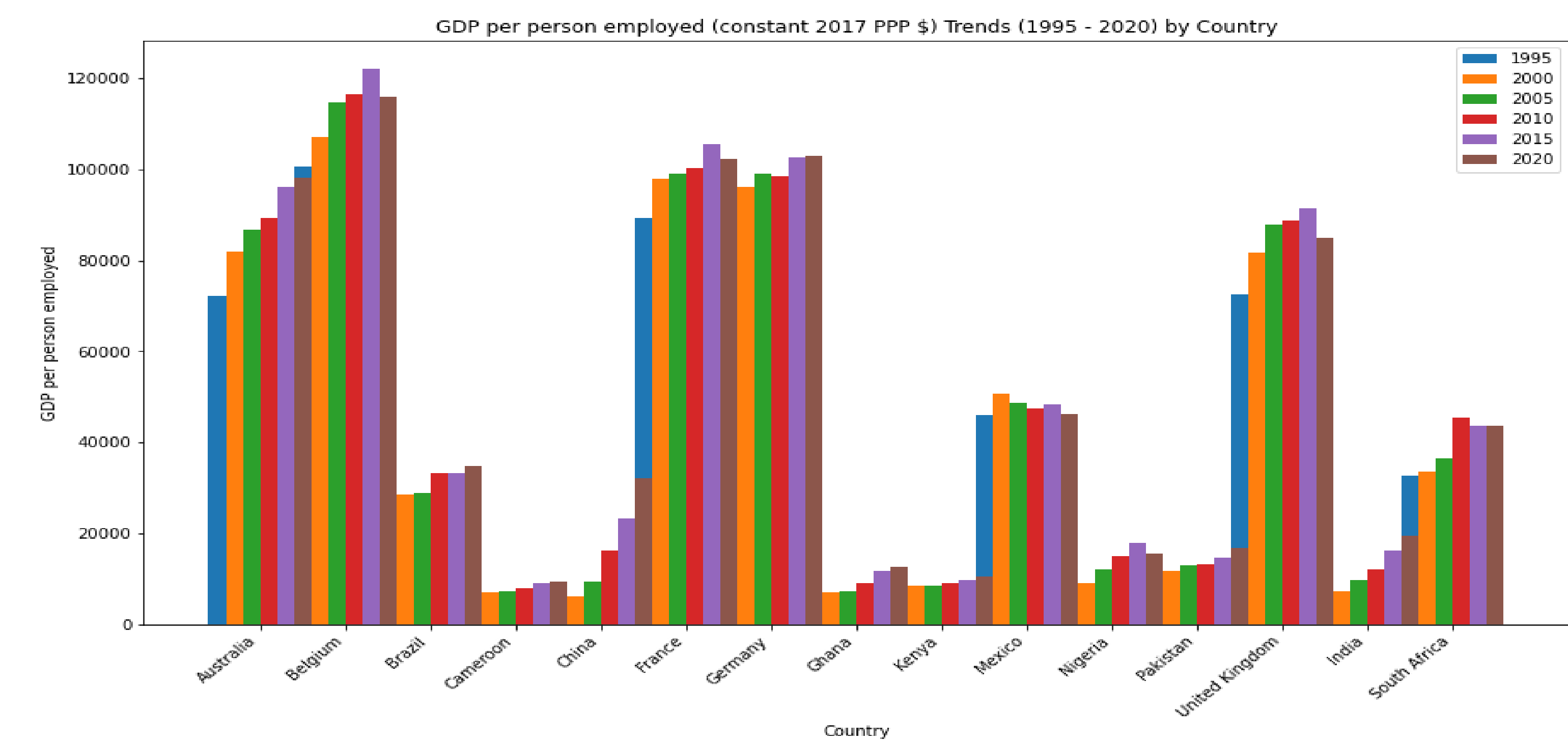
Dataset of GDP per person employed for the year 1995-2022 for the following countries : Australia, Belgium, Brazil, Cameroun, China, France, Germany, Ghana, Kenya, Mexico, Nigeria, Pakistan, United Kingdom, India and South Africa were used for this series



- Developing countries in Africa has lesser GDP per person employed growth rate compared to other developing countries or the developed ones in other regions of the world.



- Fully Developed Countries(Cluster 0):** Belgium, Australia, France, Germany and United Kingdom
- Less Developed/Emerging Countries (Cluster 1):** Cameroun, China, Ghana, Kenya, Nigeria, Pakistan, India.
- Developing Countries (Cluster 2) :** Brazil, Mexico, South Africa



CONCLUSION

Developed countries like Belgium, France, Germany, Australia, United Kingdom have higher GDP growth rate compared to the other under-developed and developing countries and this can be attributed to the significantly higher GDP per person employed rate . Countries with thriving economic situation, enabling environment for businesses where citizen are gainfully employed, working and generating good income have them consequently contribute to the growth of the nation. Governments of developing countries need to tap into the potential of their citizen, provide employment opportunities for them and watch them reciprocate by developing their countries.

Data source: <https://databank.worldbank.org/source/world-development-indicators#>