

Population and health

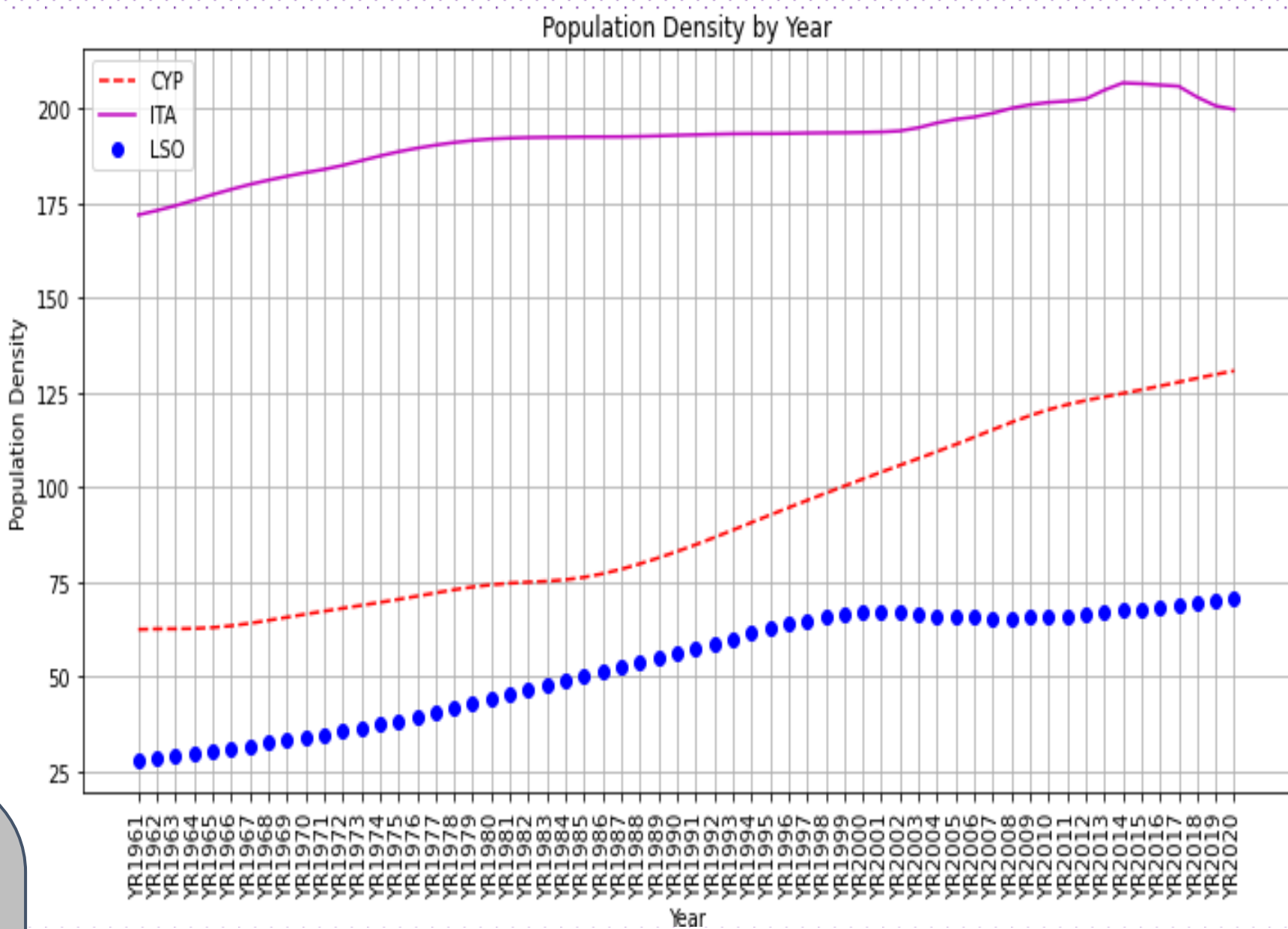
Introduction

In the absence of family planning, improved health decreases mortality and morbidity, and increase fertile life span. Rapid population growth and density is correlated with infections, such as tuberculosis and social pathology, like schizophrenia. The relationship between health and population is complex, and more research is needed to establish a clear causal link between the two.

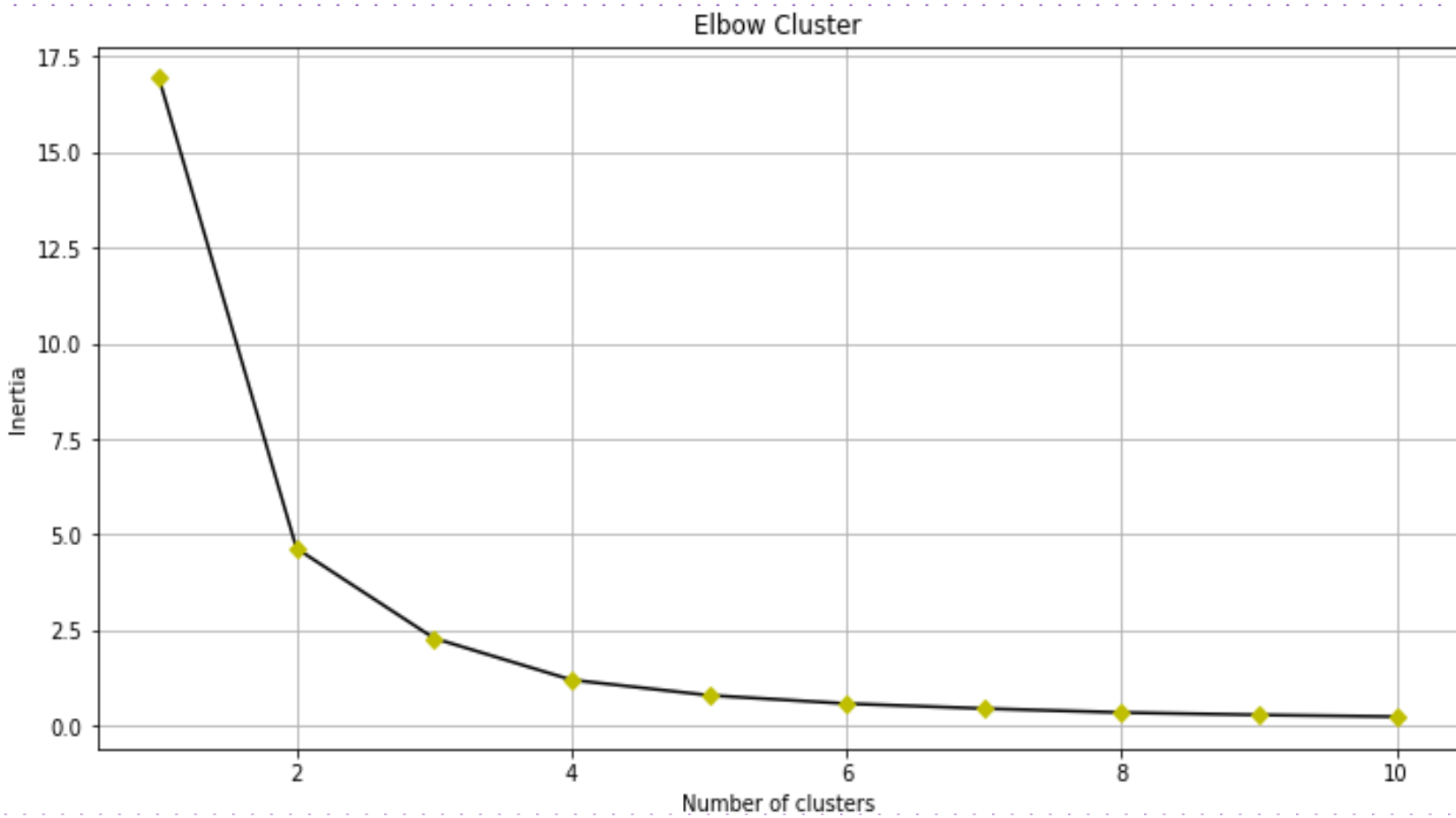
In **Italy**, Around 10% of the population has some sort of voluntary health insurance, which includes treatments not covered by the SSN fundamental benefits, provides a better level of comfort and privacy in hospital settings, and allows for more choice between public and private providers.

Cyprus has the highest out-of-pocket health spending among European Union countries. Public healthcare operates with the state's Ministry of Health providing control and funding. In 2019, a new National Healthcare System (NHS) was introduced to provide access to all patients.

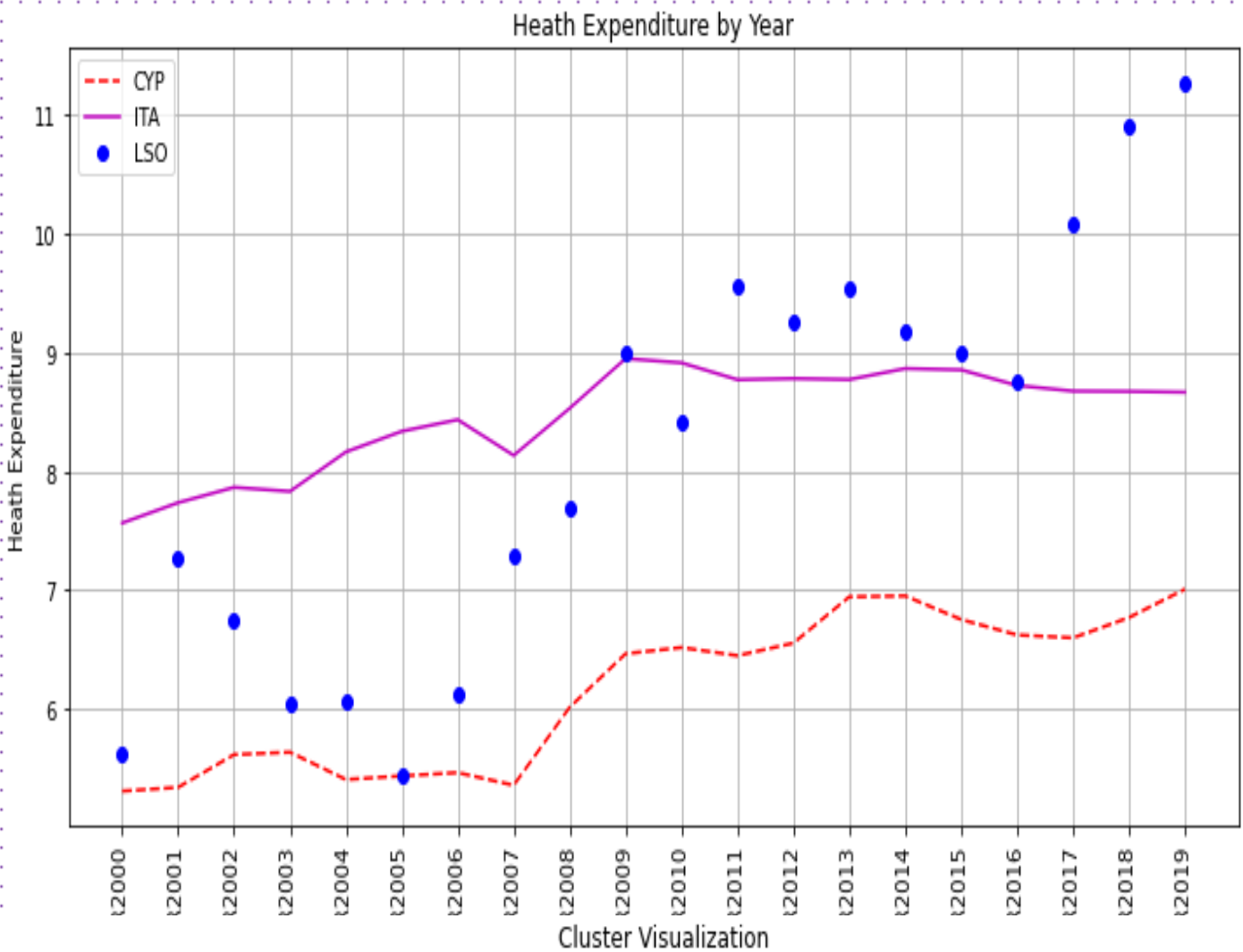
Lesotho's Ministry of Health (MoH) has provided healthcare services to over 50% of all inpatients in Lesotho annually. The MoH is responsible for developing policies, strategies and programme for health care and running half of the country's health care facilities.



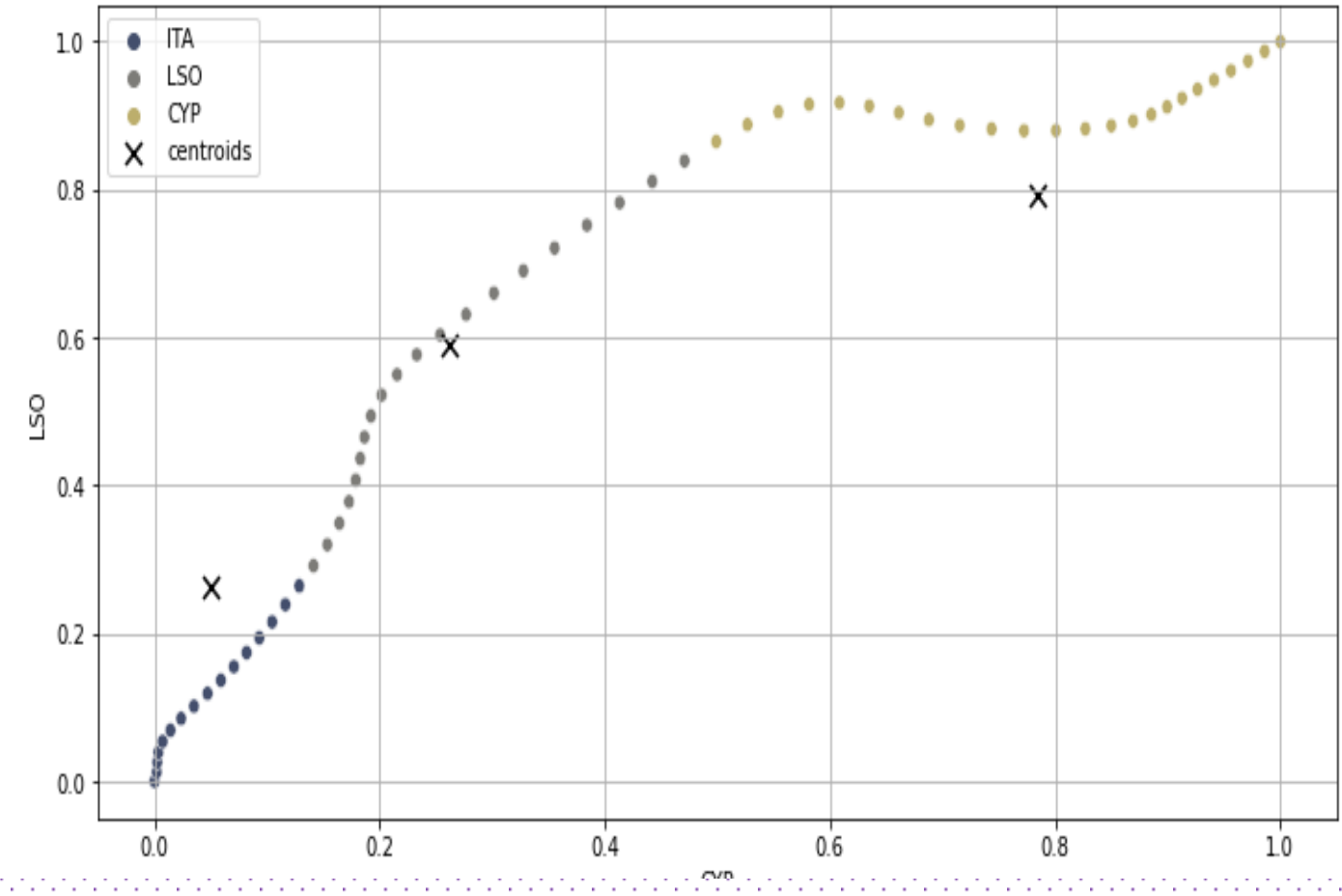
According to this analysis population density in per capita much more higher in Italy compered to Lesotho, Cyprus



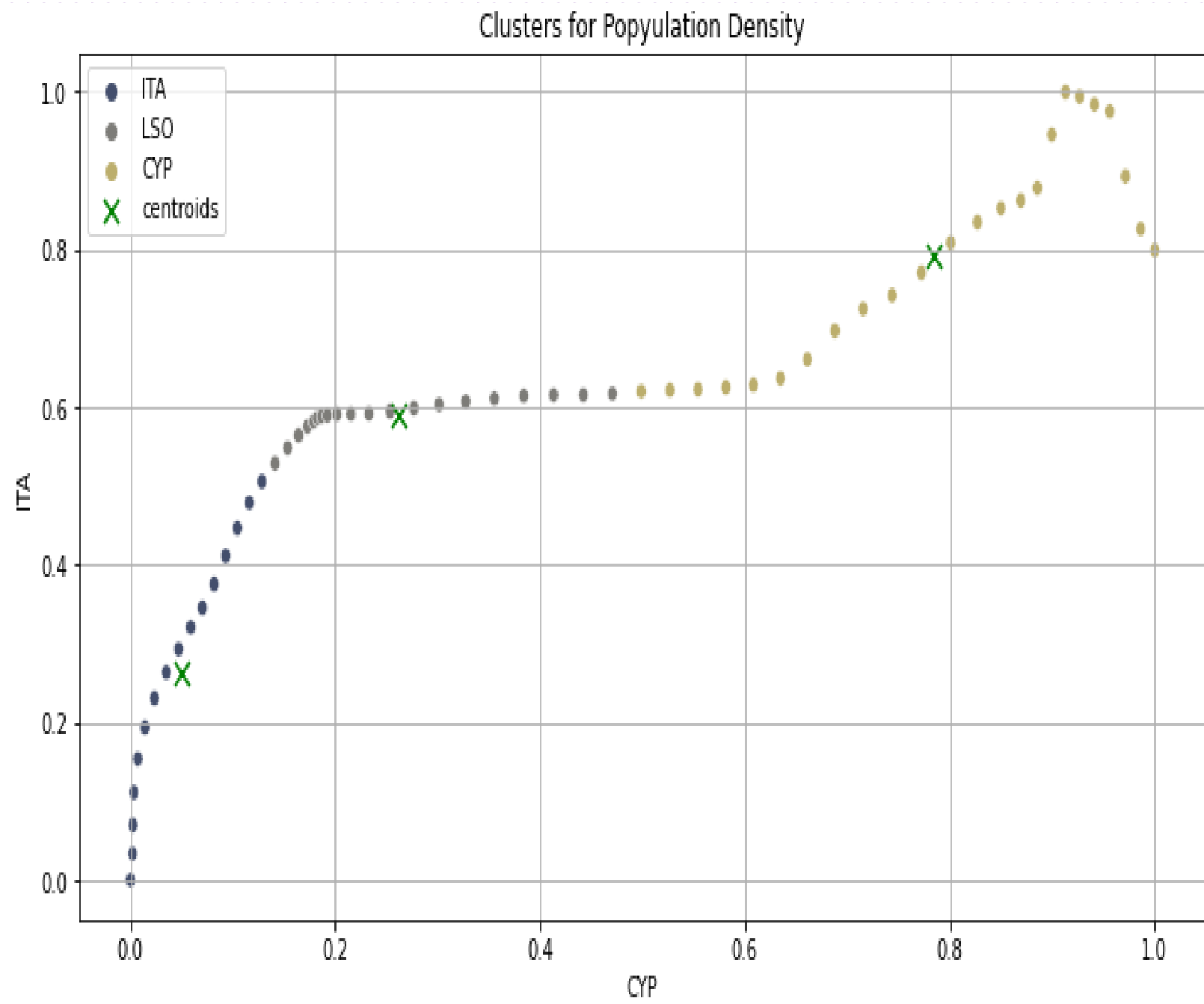
These 3 countries categorized into 4 cluster, and followed elbow cluster method.



Healthcare is one of important thing that a country should lookout. According to this analysis, Up to 2019 Lesotho invest more in their healthcare. However, Italy and Cyprus did not change their healthcare expenditure through 2000 to 2019.



Clustering is a process to categorized the data.in this cluster visualisation which has been done here to categorise the countries by Population To analyse the population density per capita and health expenditure per capita curve fitting has been use. it clearly shown in the result in the range of 1 to 5 data has been successfully predicted



Conclusion

In this poster, the focus has bene done on the analysis of population and health concerns of the selected countries. To execute the analytics, clustering ahs bene done to categorise the countries and curve fitting has bene applied predict the future values of population

