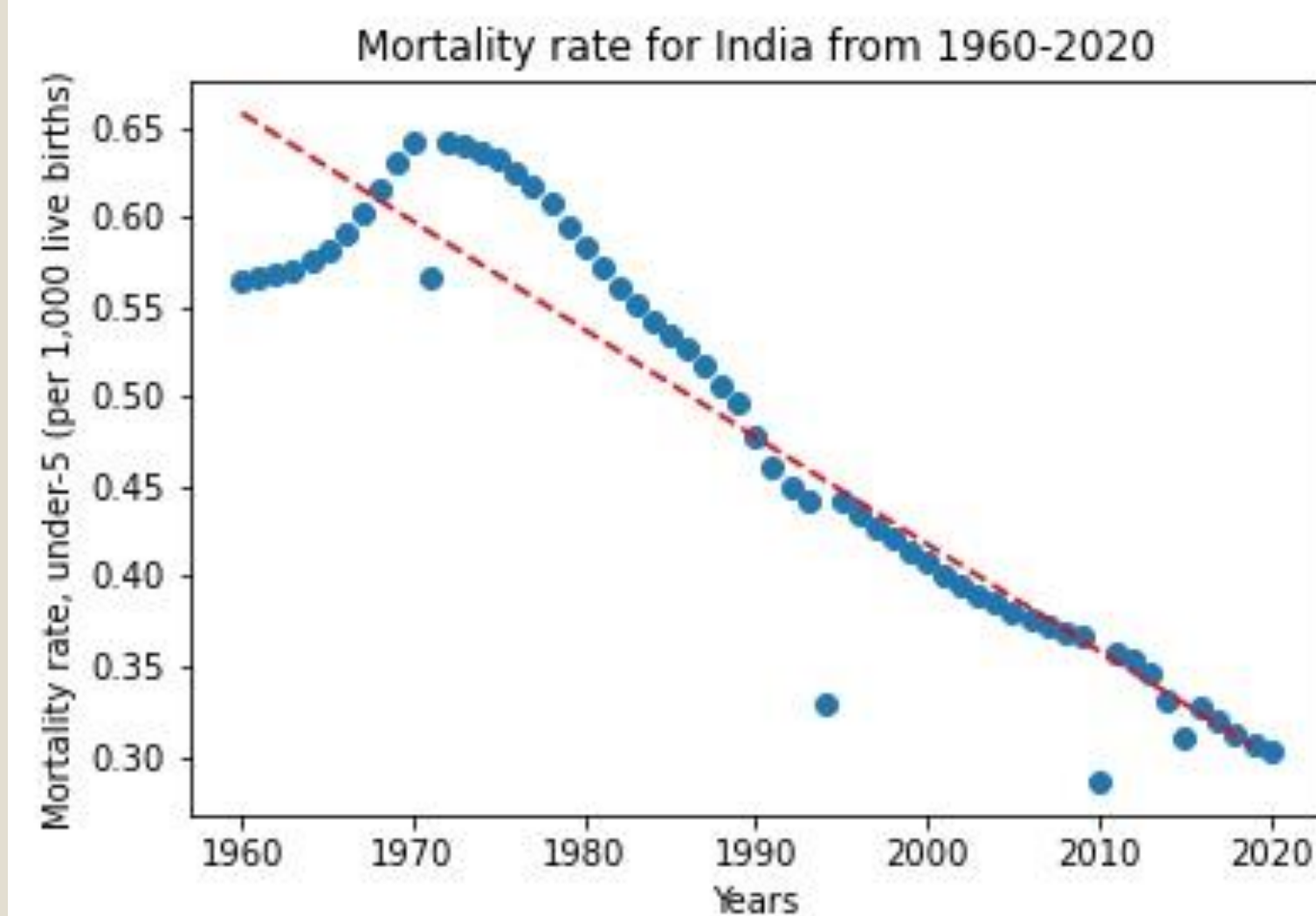
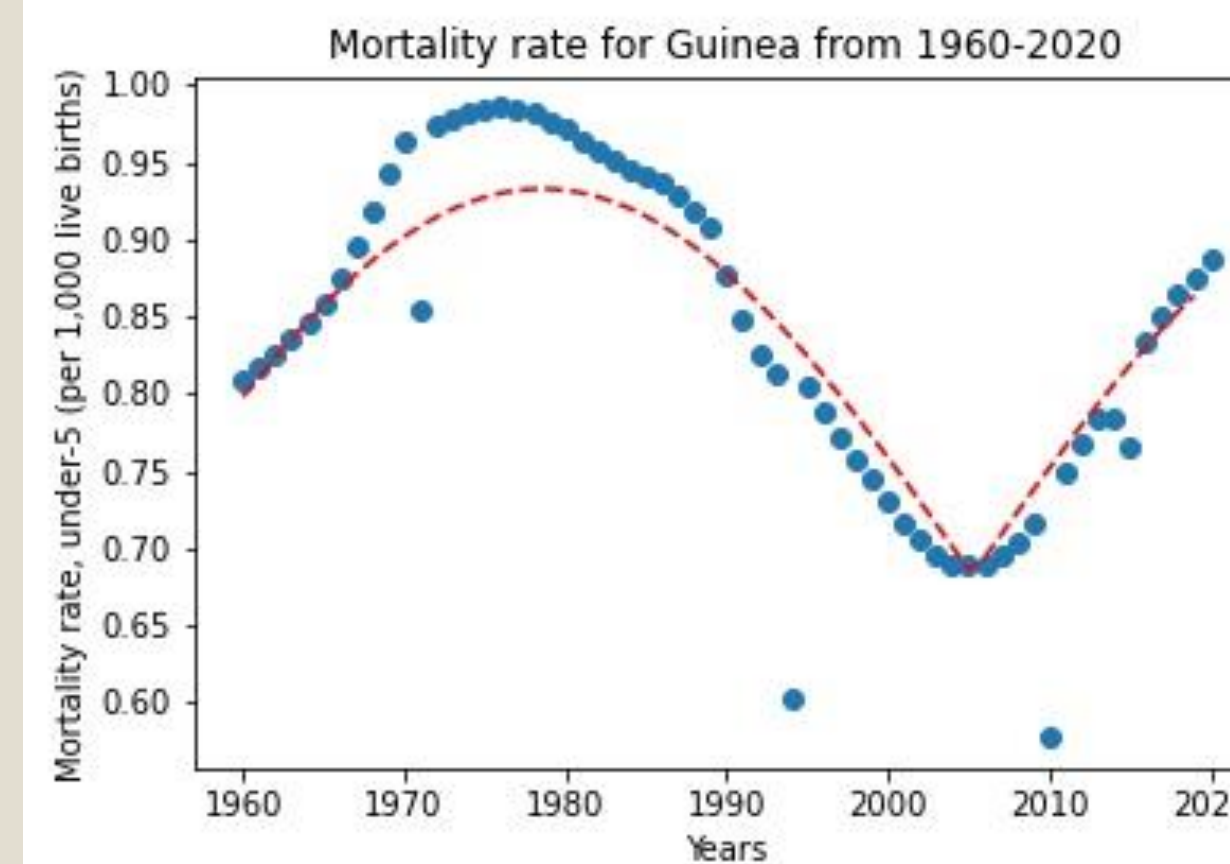
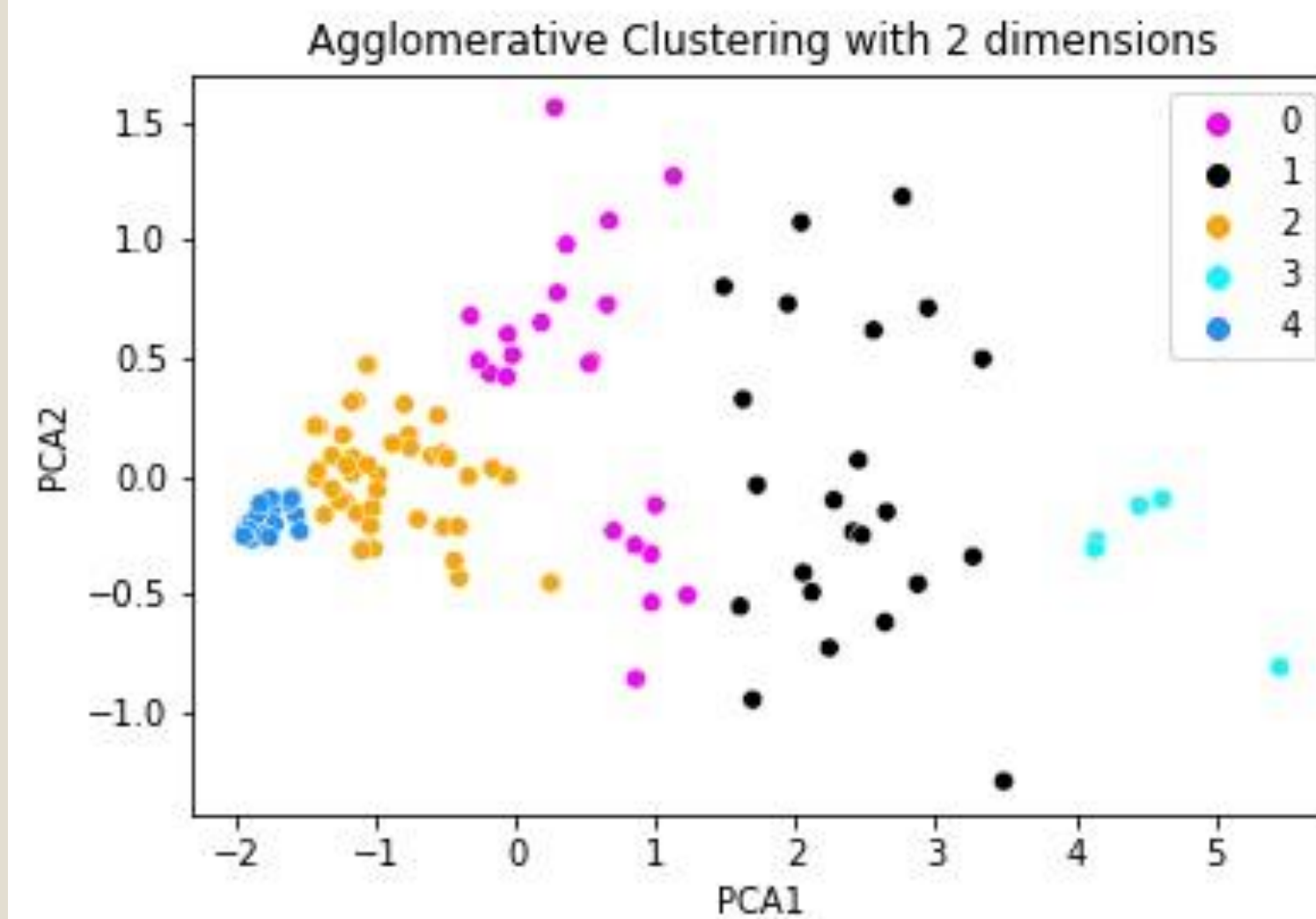


## Mortality Rates of countries 1960-2020



◦ The work considers the mortality rate of various countries from years 1960-2020. Agglomerative clustering is used for clustering countries based on the mortality rates. In total 5 clusters are made whose PCA plot is shown. From 3 clusters, 3 countries are selected. The rates are all different in all the countries. The curves from all the countries are fitted with a different objective function. For the curve of Guinea, a sinusoidal function is applied whereas for the curve of India, a logarithmic function is applied. For Finland, a second order polynomial function is applied.