HELP International

Finding top 5 countries that are in direst need of financial aid
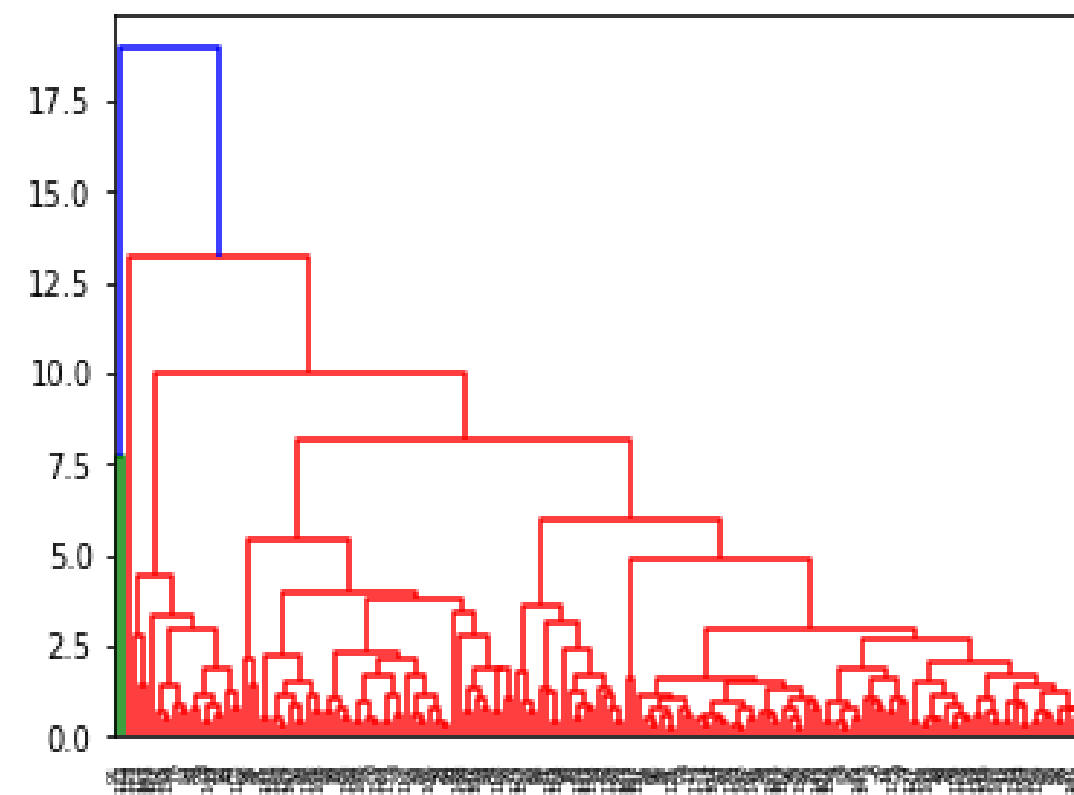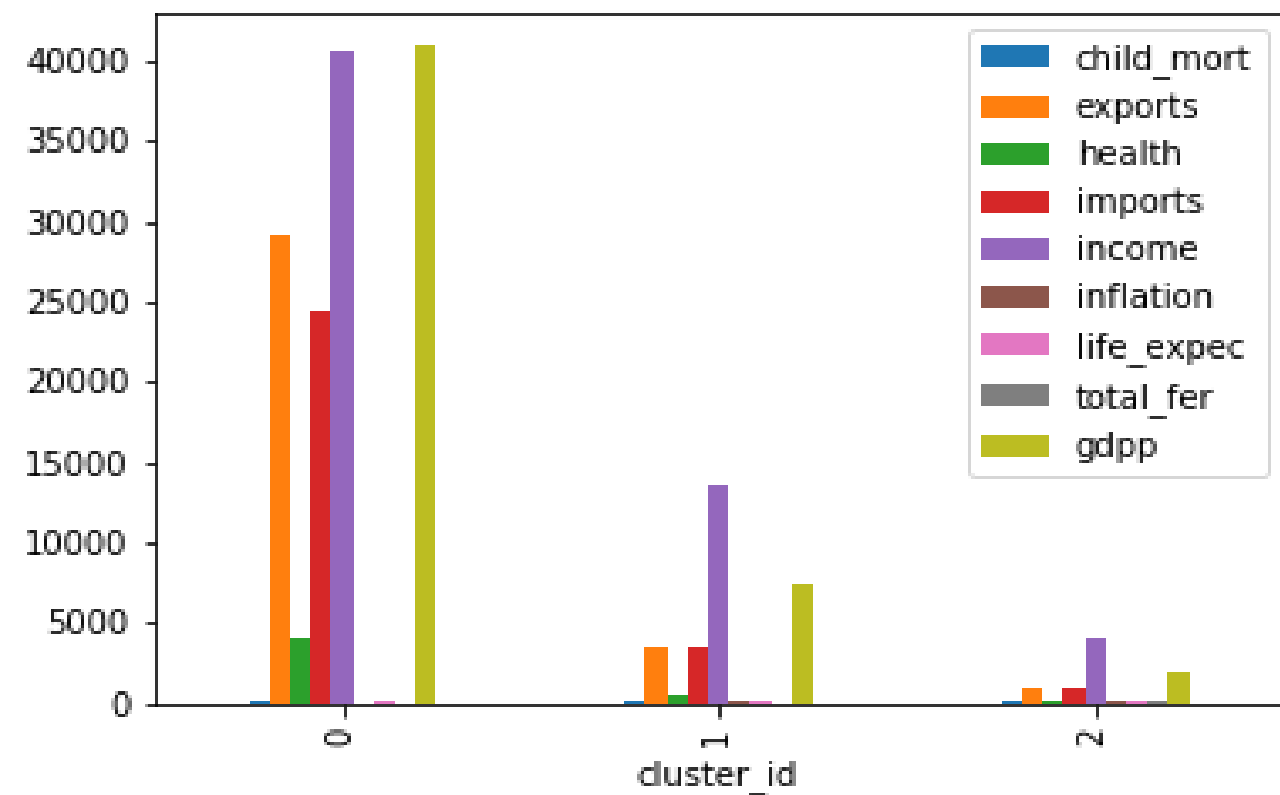
Problem Statement

Categorising the countries on the basis of socio-economic and health factors that determine the overall development of the country to help the CEO of HELP International decide which countries to provide the raised funds that are in direst need of aid.

Factors such as GDPP, Income and Child Mortality rate were used.

Applied clustering algorithms like Kmeans and Hierarchical clustering for the analysis on the basis of the above 3 factors.

Results of Clustering Models

Interpretation

- By analysing the above 2 models, it is clearly seen that cluster 2 has the countries with the least GDPP and Income and high Child mortality rate.

- Hence cluster 2 was taken for Kmeans out of K=3 and cluster 0 was taken for Hierarchical clustering out of n=5.

- It was also clearly seen that these two cluster id's were the only clusters which shared same economic and health traits which were satisfying the problem statement conditions as well as the business aspects.

Final List of Countries

- The final list of countries that are in the direst need of aid are:

  - ***Central African Republic***
  - ***Congo Dem Rep***
  - ***Niger***
  - ***Mozambique***
  - ***Burundi***