**Objective**

HELP International is an international humanitarian NGO that is committed to fighting poverty and providing the people of backward countries with basic amenities and relief during the time of disasters and natural calamities. It runs a lot of operational projects from time to time along with advocacy drives to raise awareness as well as for funding purposes.After the recent funding programmes, they have been able to raise around $ 10 million. Now the CEO of the NGO needs to decide how to use this money strategically and effectively. The significant issues that come while making this decision are mostly related to choosing the countries that are in the direst need of aid. And this is where you come in as a data analyst. Your job is to categorise the countries using some socio-economic and health factors that determine the overall development of the country. Then you need to suggest the countries which the CEO needs to focus on the most.Main task is to cluster the countries by the factors mentioned above and then present your solution and recommendations to the CEO using a PPT.

**Steps Followed**

* Reading Data
* Cleaning Data
* Standardising Data
* PCA
* Screeplot
* k-means
* Plotting
* Hierarchical Clustering

**Details of files given**

* Clustering and PCA Assignment Meenu.ipynb : The python file showing coding and data analysis
* Clustering and pca assignment 1.pdf : Presentation showing conclusion
* Clustering and pca assignment 2.pdf: Few Questions and answers with solutions
* Country-data.csv : Data worked on
* data-dictionary.csv : Data Dictionary