

HELP INTERNATIONAL AID PROGRAM

IDENTIFYING THE COUNTRIES IN DIRE NEED OF AID

ABHINAV SHARMA



PROBLEM STATEMENT

- Identifying the countries which are in direst need of aid and can be supported with the funds gathered via recent funding programs.



- Categorize the countries using some socio-economic and health factors that determine the overall development of the country and then suggest the countries for help.

ANALYSIS APPROACH

Cleaning the
data



Finding
relationship
among
parameters



Removing
the
developed
countries
From picture



Principal
Component
Analysis

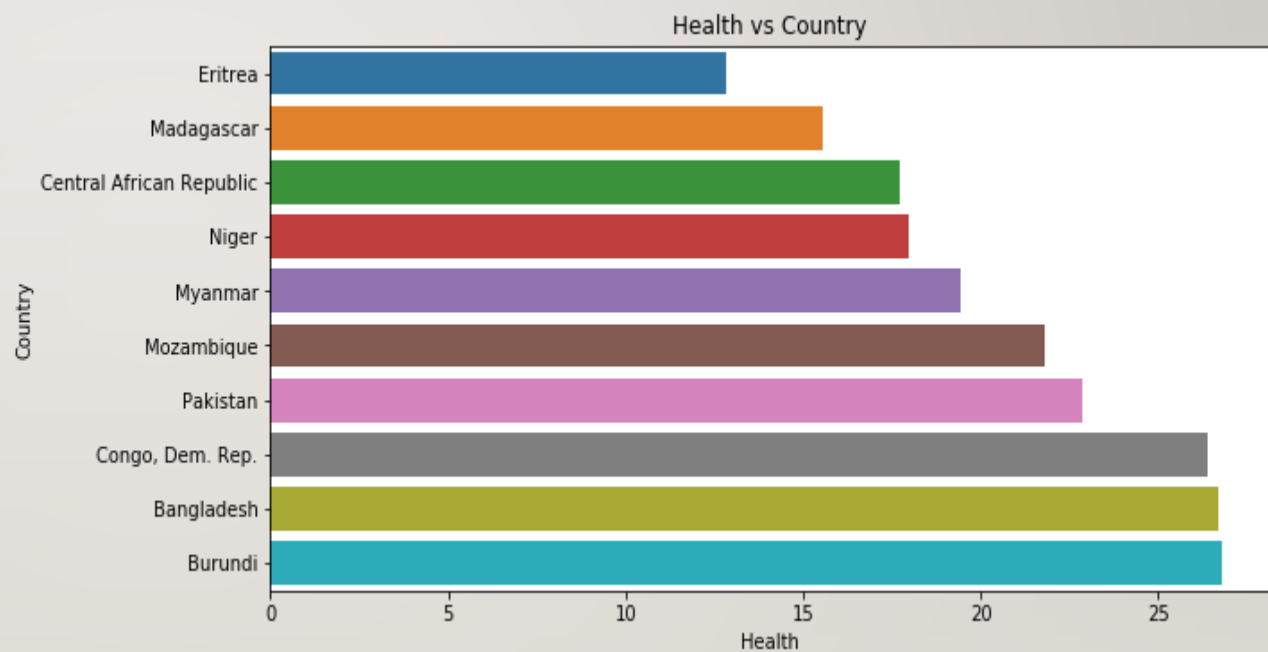
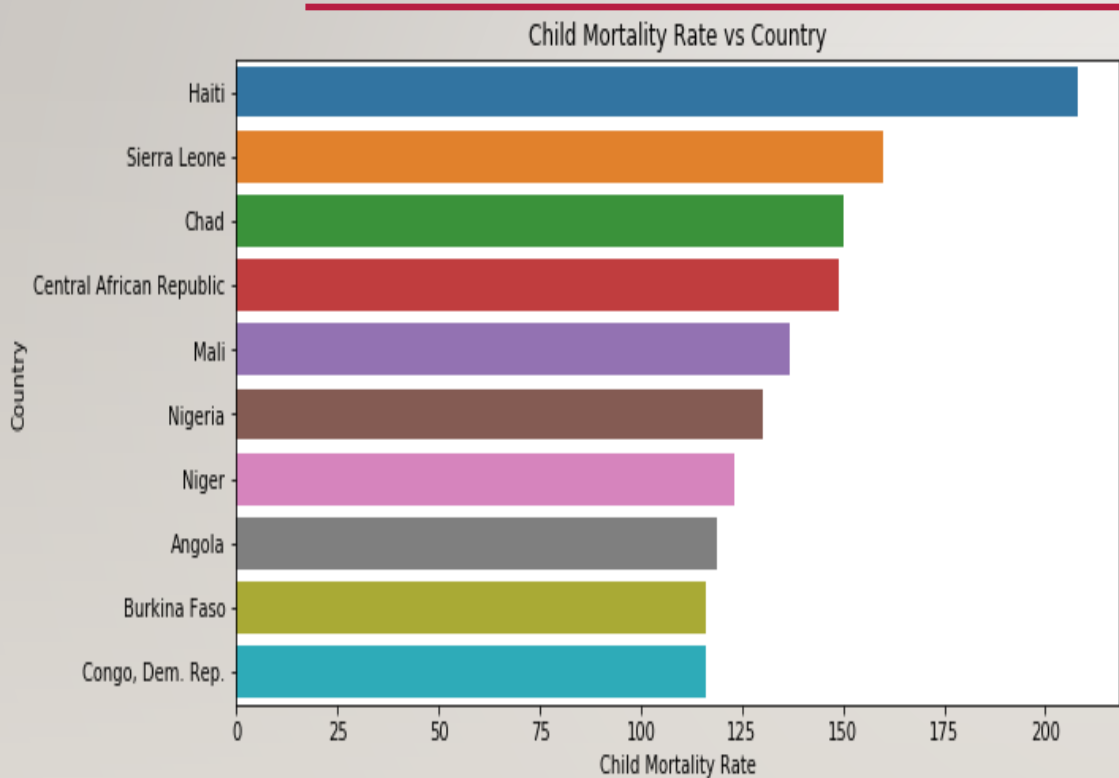


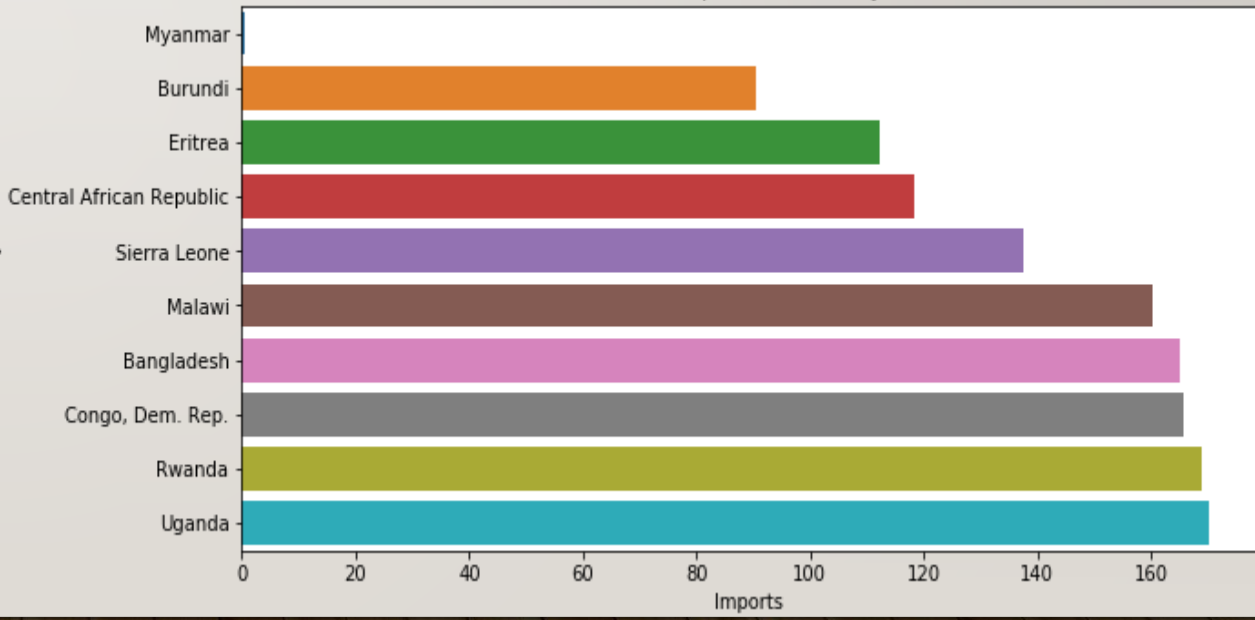
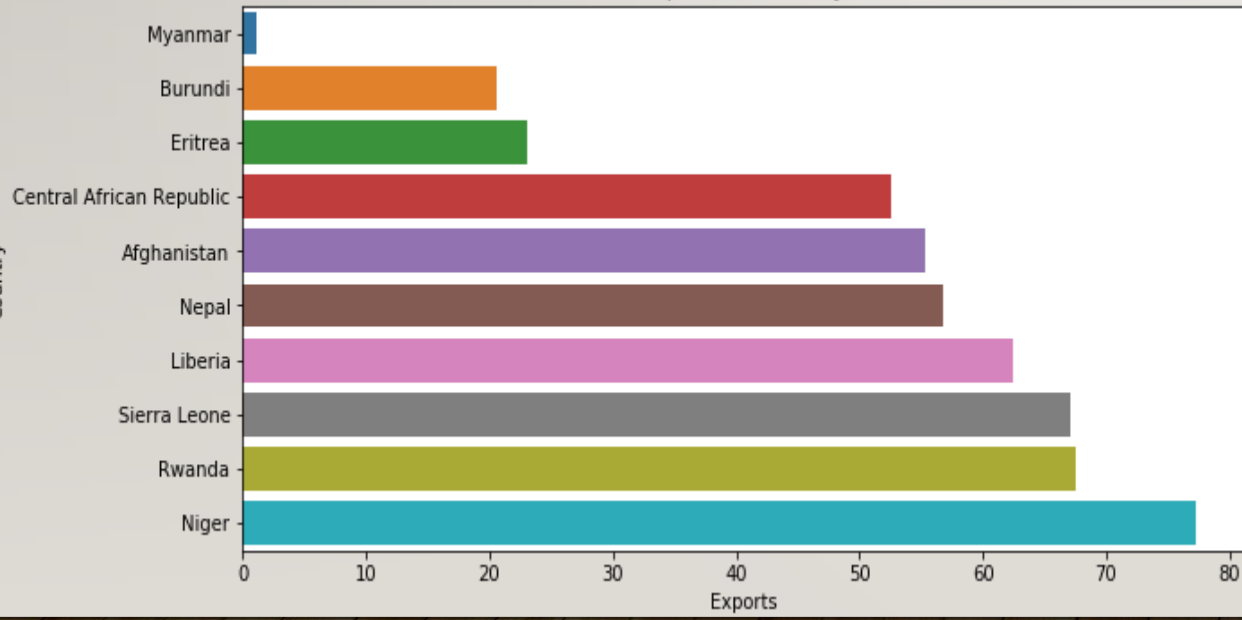
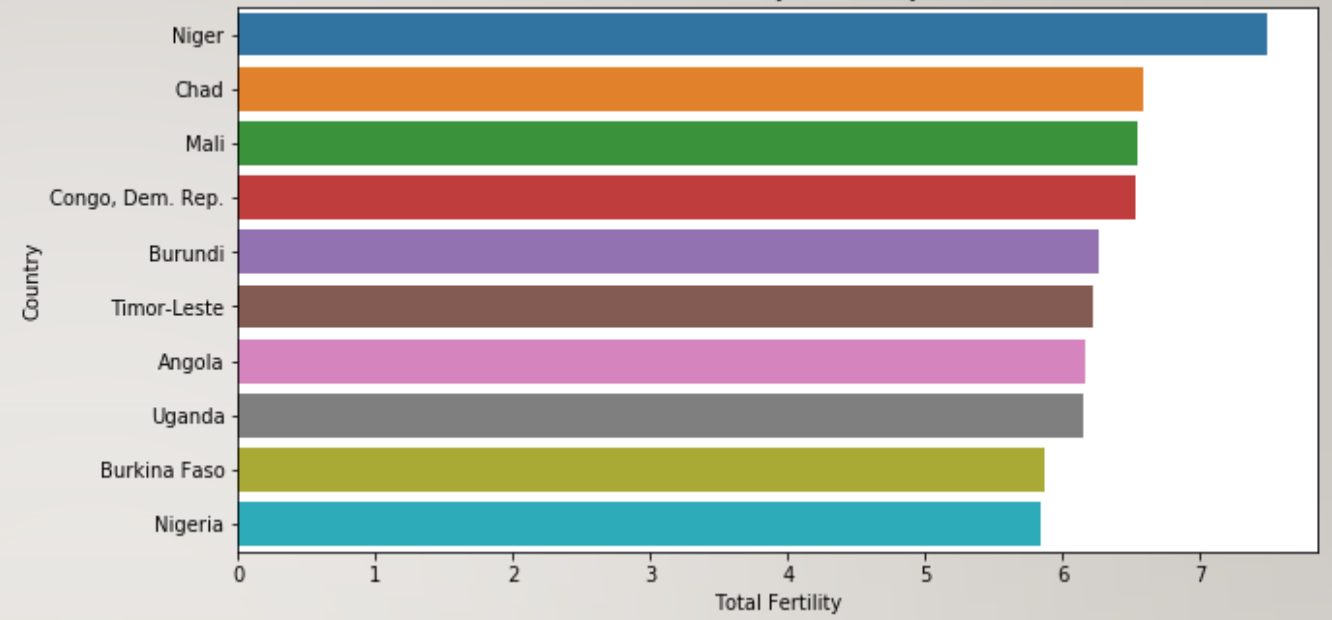
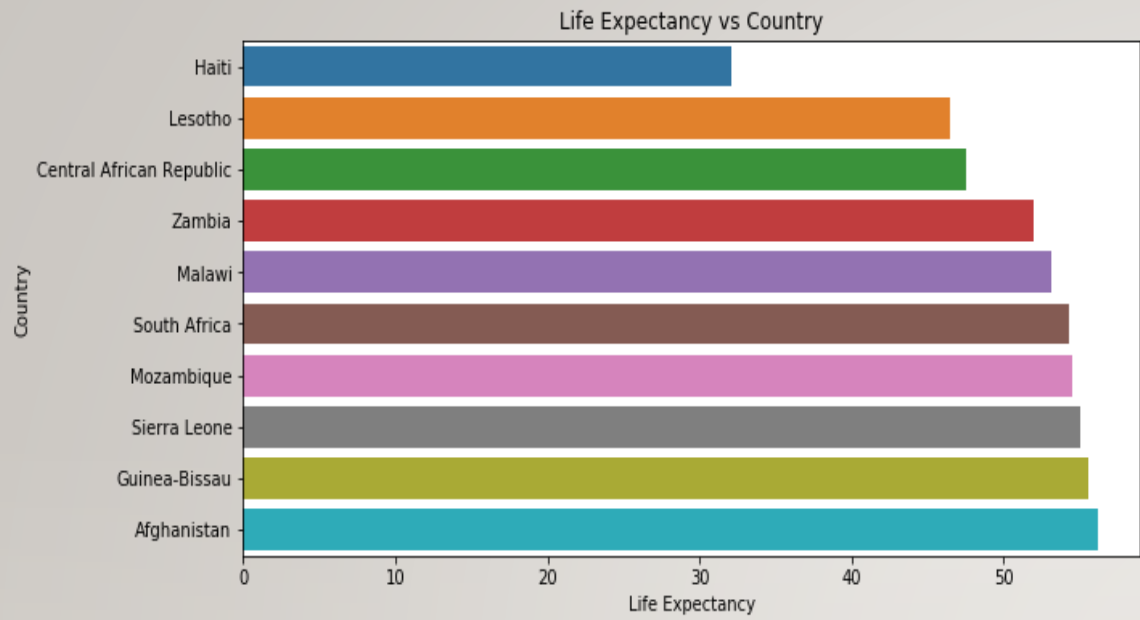
Identifying
the countries
using
Clustering
Approach



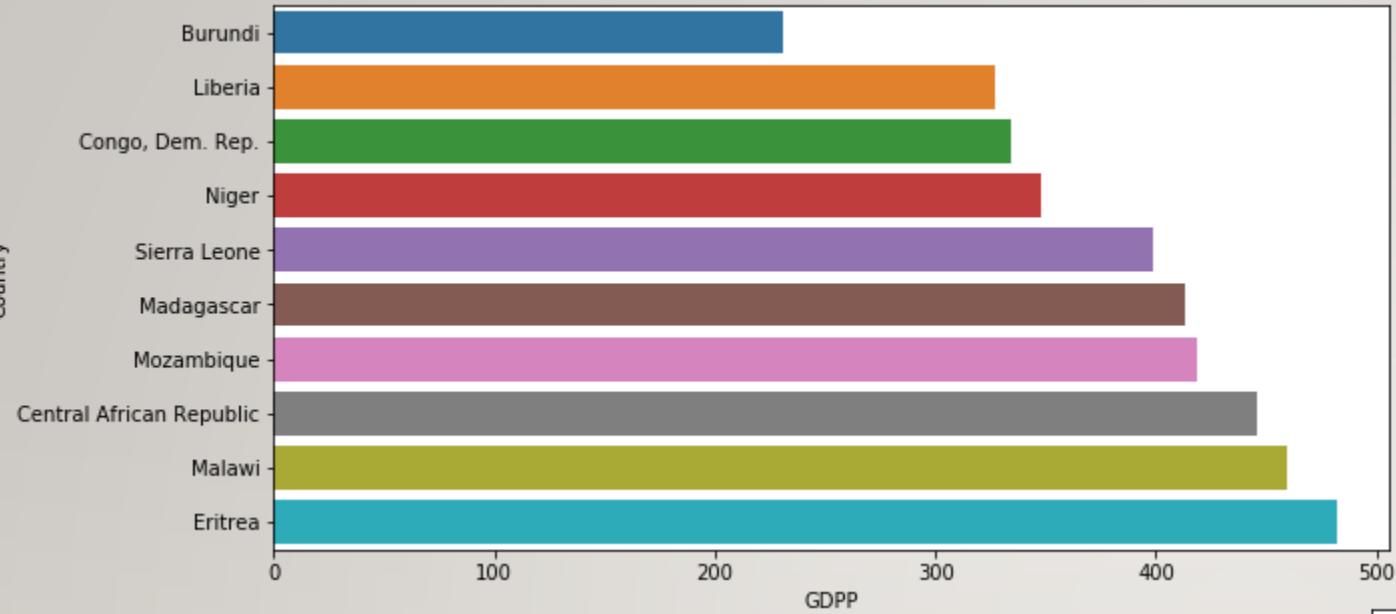
Analyzing the
target
countries for
various
factors

FINDING RELATIONSHIPS PRIOR CLUSTERING

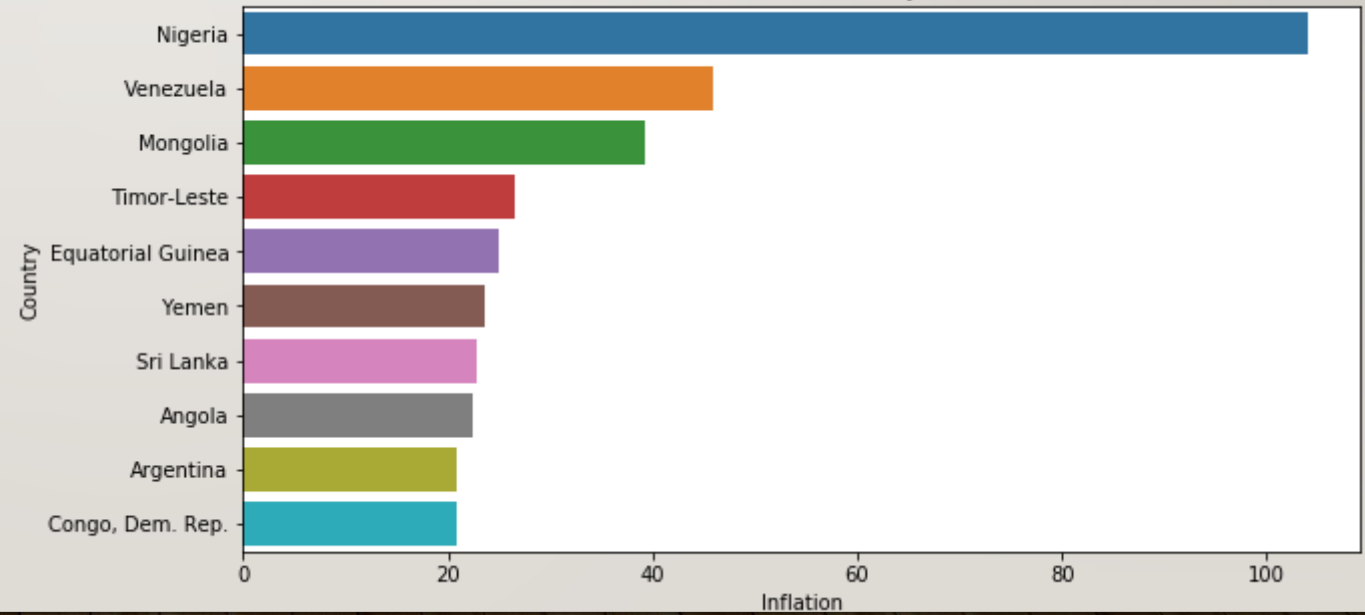




GDPP vs Country

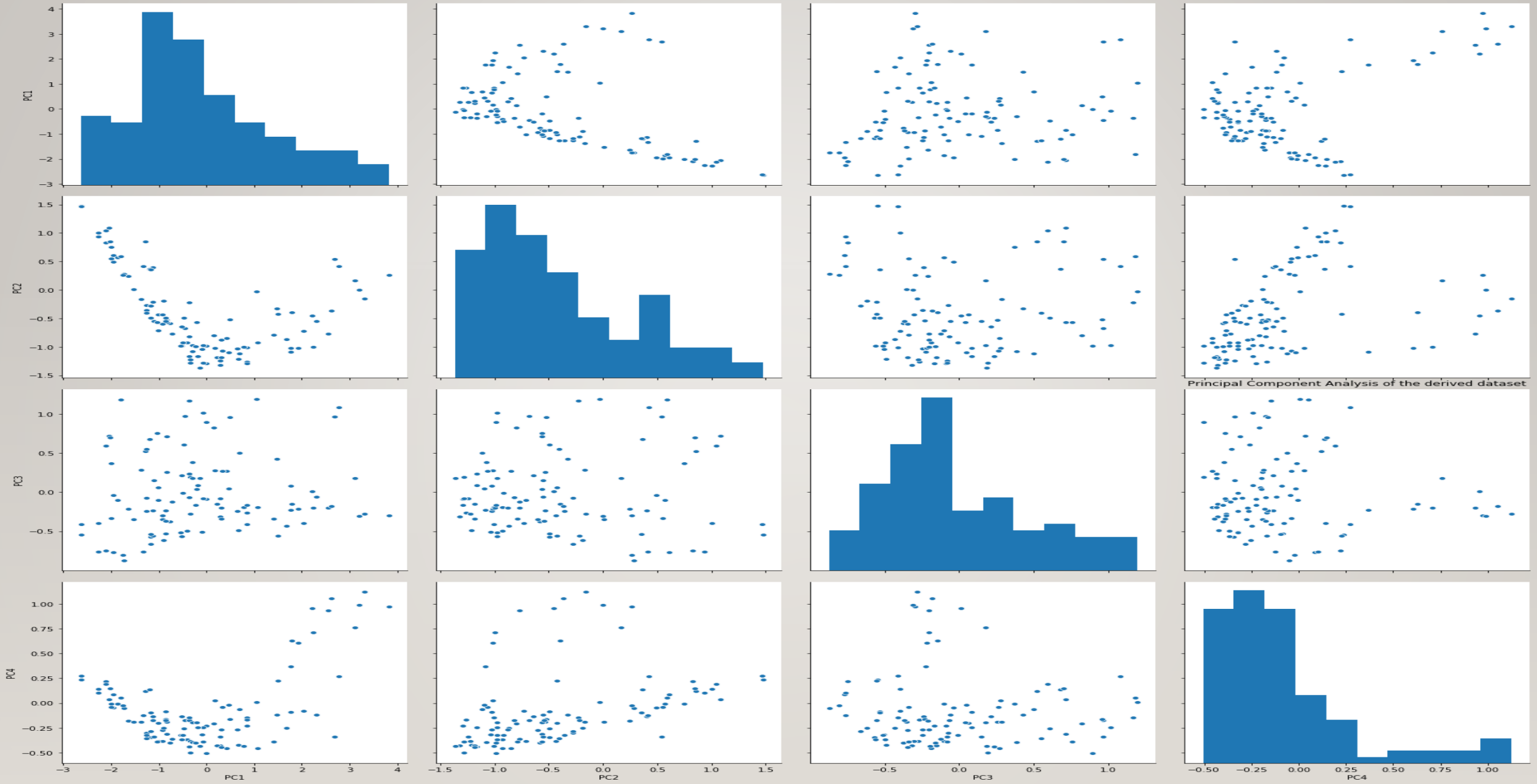


Inflation vs Country



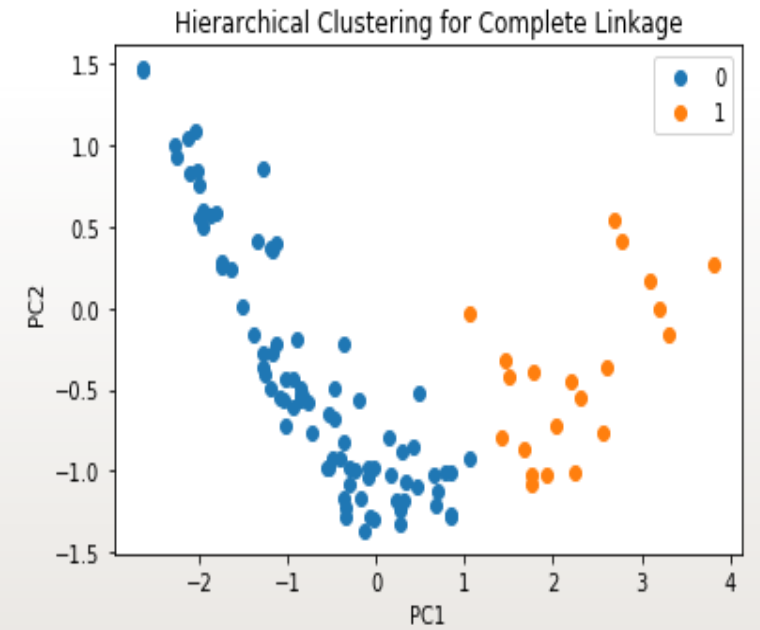
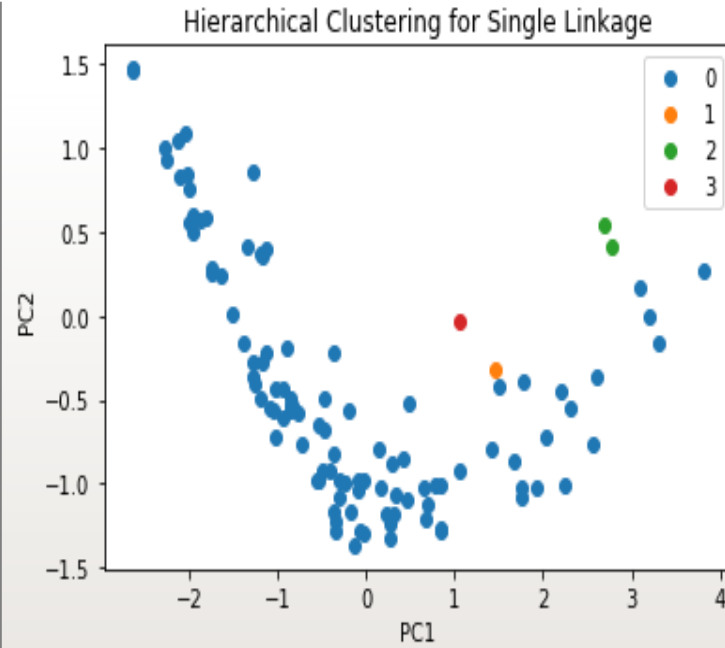
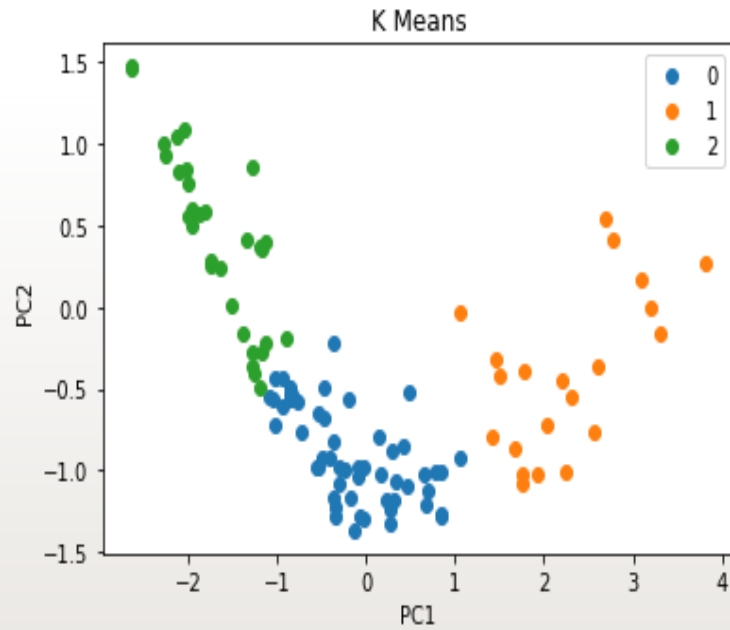
PRINCIPAL COMPONENT ANALYSIS

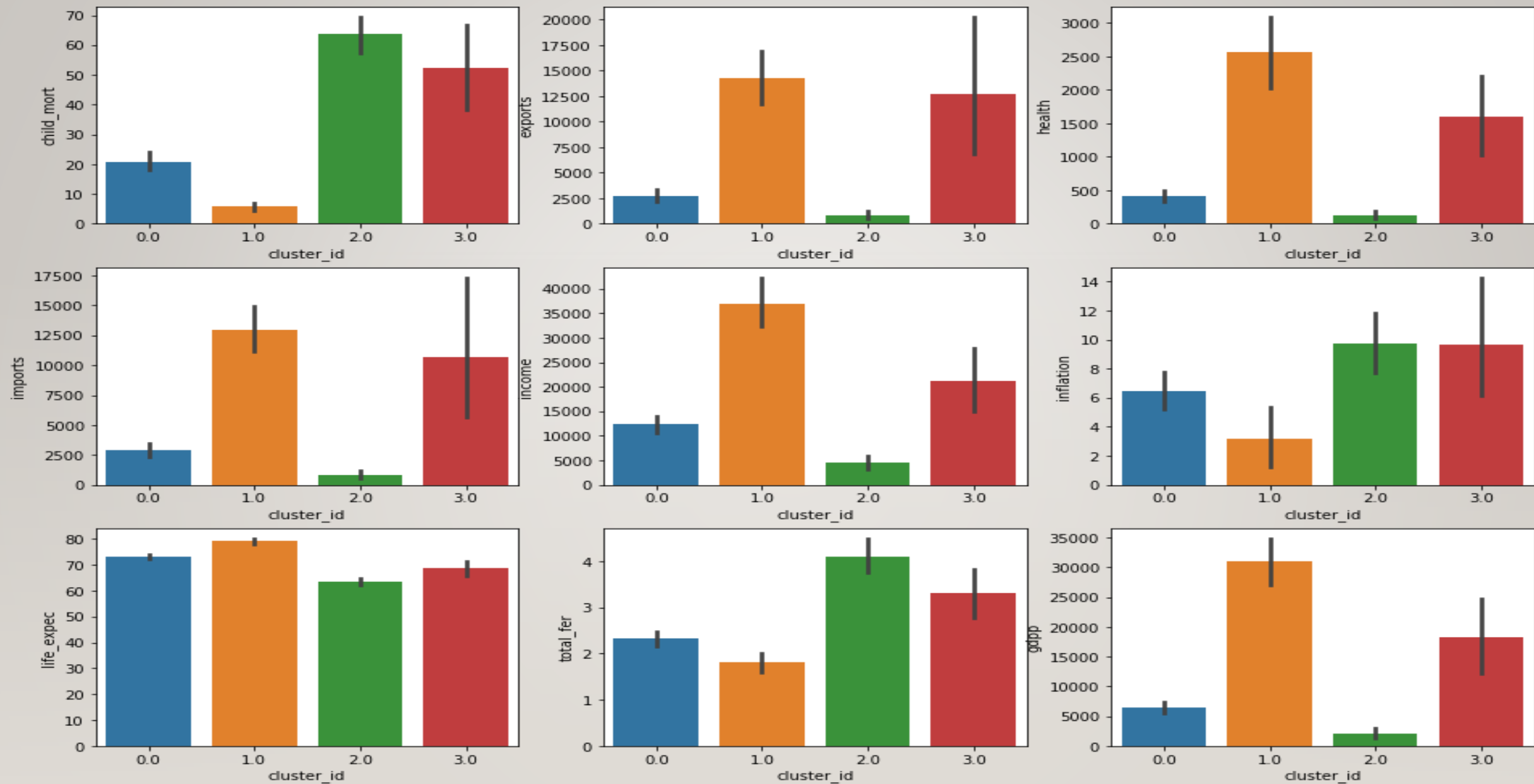




CLUSTERING

Best Distinction of Clusters

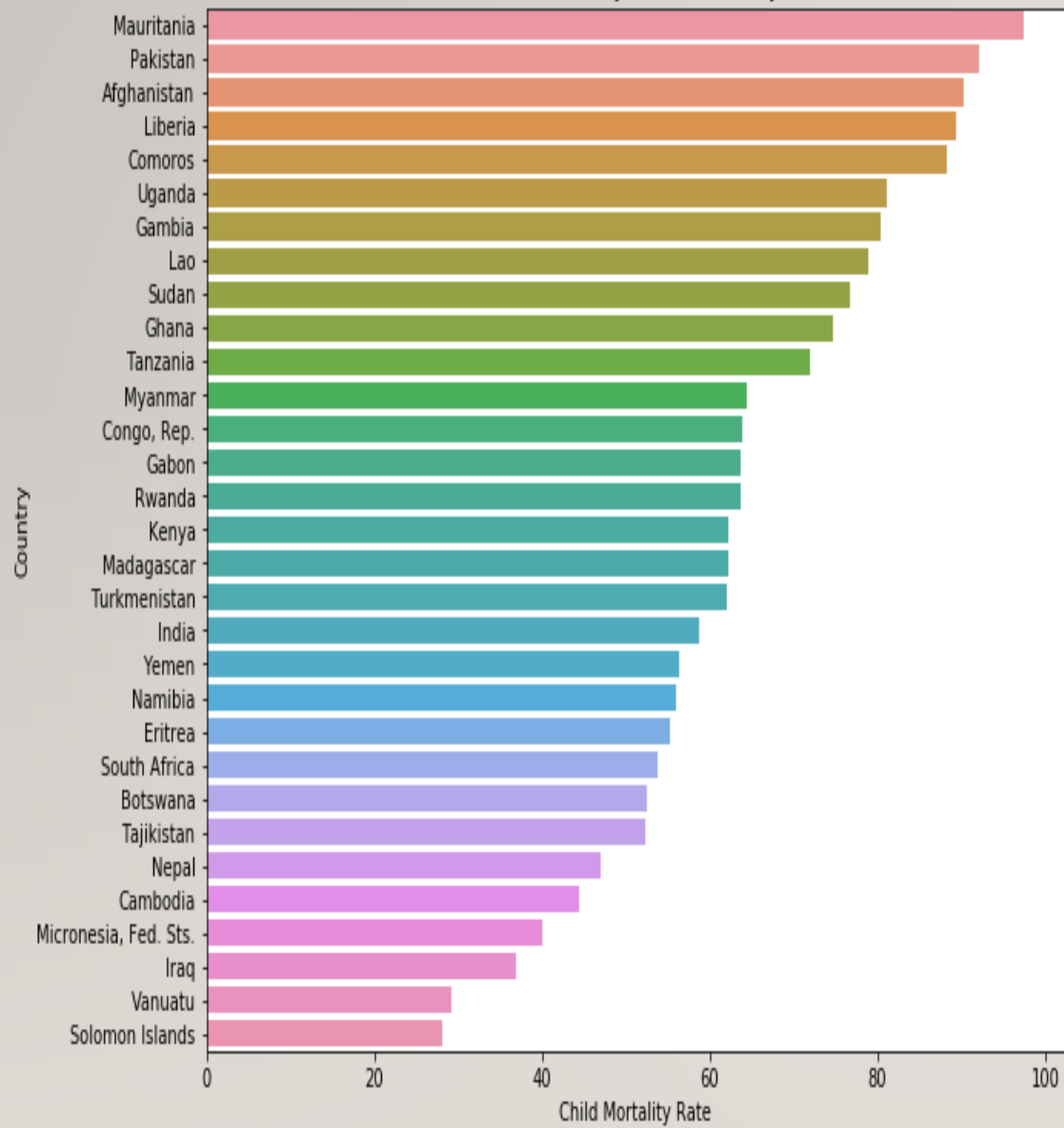




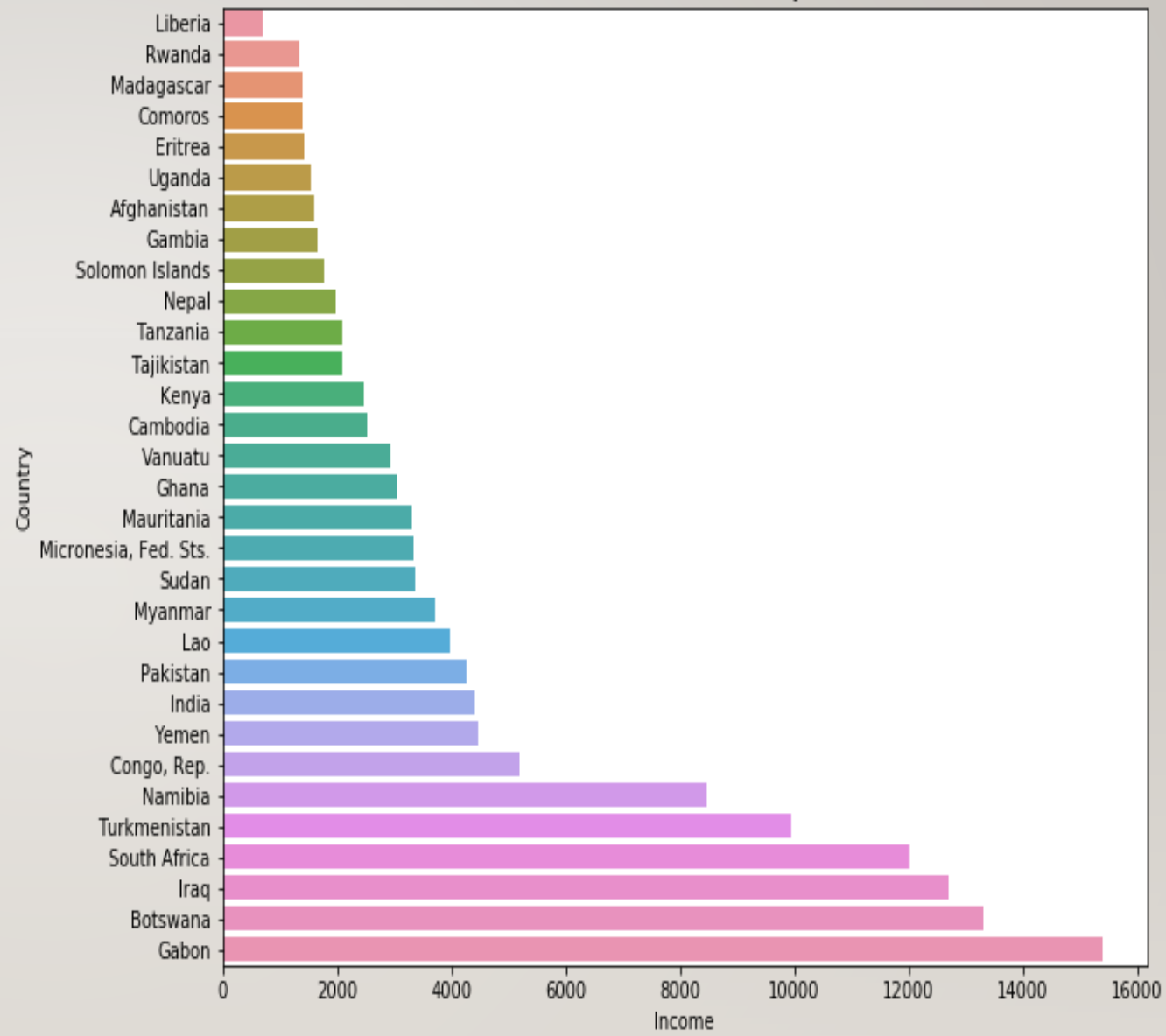
CLUSTER 2 STANDS OUT ABOVE ALL (TOTAL 31 COUNTRIES)

Afghanistan, Botswana, Cambodia, Comoros, Congo Rep. ,Eritrea, Gabon, Gambia, Ghana, India, Iraq, Kenya, Lao, Liberia, Madagascar, Mauritania, Micronesia, Fed. Sts. ,Myanmar, Namibia, Nepal, Pakistan, Rwanda, Solomon Islands, South Africa, Sudan, Tajikistan, Tanzania, Turkmenistan, Uganda, Vanuatu, Yemen

Child Mortality Rate vs Country



Income Rate vs Country



GDPP vs Country

