# Title: WHO WorldHelp

#### Internation Aid Allocation

# > ISSUE / PROBLEM

World Health Organization is planning to using the available aid to help people across different countries based on their country's socioeconomic status and healthcare availability.

### RESPONSE

- We analyze the data and identify the data distribution and correlation between data.
- We identify that 9 features related to socioeconomic status and healthcare availability is provided in the dataset for 167 countries.
- We perform dimensionality reduction and try different clustering algorithms.

#### IMPACT

- Our model helps us categorize countries into different classes which will help WHO to provide aid accordingly and efficiently.
- Our insights also tell us which countries are performing worse/best in some sectors.
  WHO can pay special attention to that.

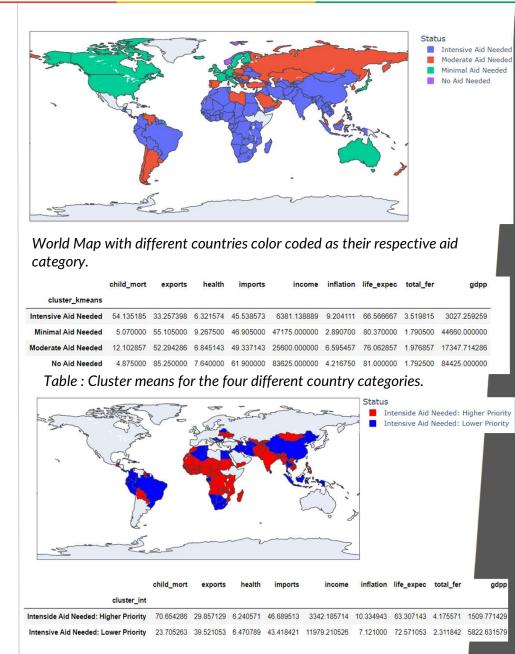


Table: Cluster means for sub categories within "intensive aid needed" category.

# **KEY INSIGHTS**

- Based on the test results, KMeans model appear to perform the best. A total number of 4 categories were assigned for the countries in the dataset, "Intensive Aid Needed", "Moderate Aid Needed", "Minimal Aid Needed" and "No Aid Needed". "Intensive Aid Needed category had the most countries in it with 108 countries.
- Even though all these countries have subpar socioeconomic status and healthcare, with these many countries, it would be helpful to further subcategorize. Within "Intensive Aid Needed" category, we see 2 different categories of countries with noticeable difference in some features.