

**URL for Shiny App:** [https://sumitrawat.shinyapps.io/CRT\\_1](https://sumitrawat.shinyapps.io/CRT_1)

### **R library used:**

- readxl
- caret
- NbClust
- factoextra
- corrplot
- gridExtra

### **Assumption:**

1. There were 63 missing values in total
2. We have used imputation via bagging in order to tackle null values
3. Used NbClust library to find most appropriate numbers of cluster (i.e. 3 in this case)

### **Insight from Analysis:**

From the output of app it is clear that, countries are clustered under few variables out of 19 variables. These few variables are most significant variables among each other and directly affects clustering of countries, like GDP per Capita, Inflation-consumer, Death Rate, Population growth