**INSTRUCTIONS**

**Before run a code**

**R**

**Install packages:**

* dplyr
* ggplot2
* corrgram
* DMwR
* caret
* dummies
* MASS
* tidyverse
* freqdist
* corrplot
* GGally
* Factoextra

**Load all the above packages**

You can run the code on RStudio

**Before running a code**

**Python**

**Import packages:**

* import numpy as np
* import pandas as pd
* import matplotlib.pyplot as plt
* %matplotlib inline
* import seaborn as sns
* import os
* from sklearn.preprocessing import StandardScaler
* from sklearn.decomposition import PCA
* from sklearn.cluster import KMeans
* from sklearn import metrics
* from sklearn.metrics import calinski\_harabasz\_score, silhouette\_score

You can run the code on Jupyter Notebook