Perform Clustering(Hierarchical, Kmeans & DBSCAN) for the crime data and identify the number of clusters formed and draw inferences.

Data Description:

Murder -- Muder rates in different places of United States

Assualt- Assualt rate in different places of United States

UrbanPop - urban population in different places of United States

Rape - Rape rate in different places of United States

**ANS**:- # **Here the optimal number of clusters are 4.**

# In Hierarchical clustering, dendrograms helps in clear visualization

# K-means is considered as the simplest and quickest one which guarantees convergence.

# and DBSCAN can handle the noise very well.