EXPERIMENT-6

DATA SEGMENTATION BY K- MEANS CLUSTER USING WEKA AND R-TOOL

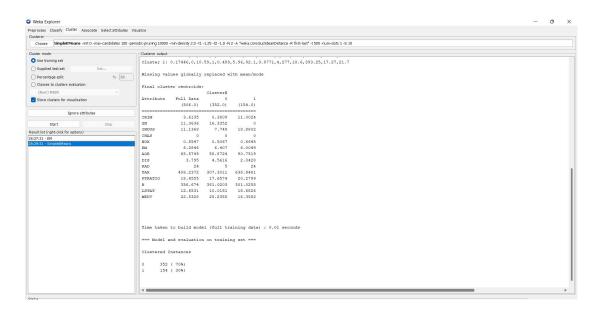
Name: S.G.DEVSACHIN

Reg.No: 192111088

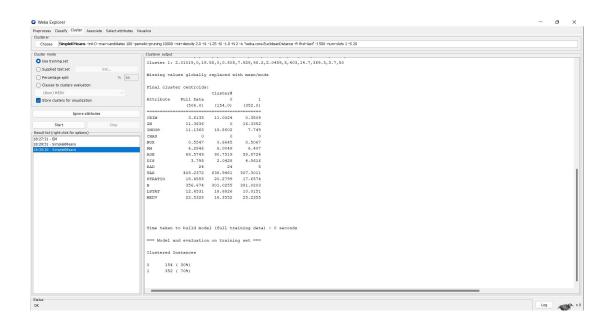
Subject: CSA1672, Data warehouse and data mining

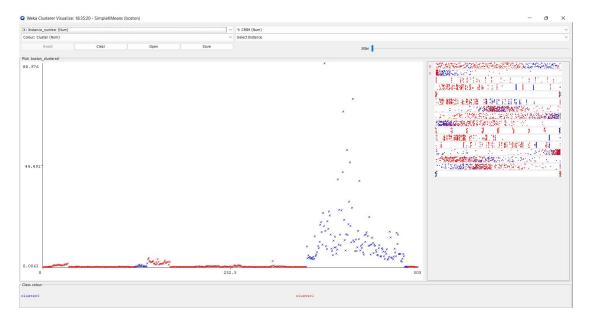
OUTPUT:

1) Choose a set of attributes for clustering and give a motivation.



2)Experiment with atleast 2 different number of clusters but with same seed values:





USING R-TOOL

```
> clusters <- kmeans(citycrimes[,2:3], 5)
> citycrimes$Borough <- as.factor(clusters$cluster)
> str(clusters)

Console -/ (Poscers)
List of 9 (Secris)
List of 9 (Sec
```

```
> ggmap(Map) + geom_point(aes(x = Pop[], y = wC[], colour = as.factor(Borough)),data = c itycrimes)
warning message:
Removed 24 rows containing missing values (geom_point).
> ggtitle("Map Boroughs using KMean")
Stitle
[1] "Map Boroughs using KMean"
Ssubtitle
NULL
attr(,"class")
[1] "labels"
> |
```



36.8 - @pople