

Elbow Method for Optimal K

Total Within Sum of Square

600

400

200

0

1

2

3

4

5

6

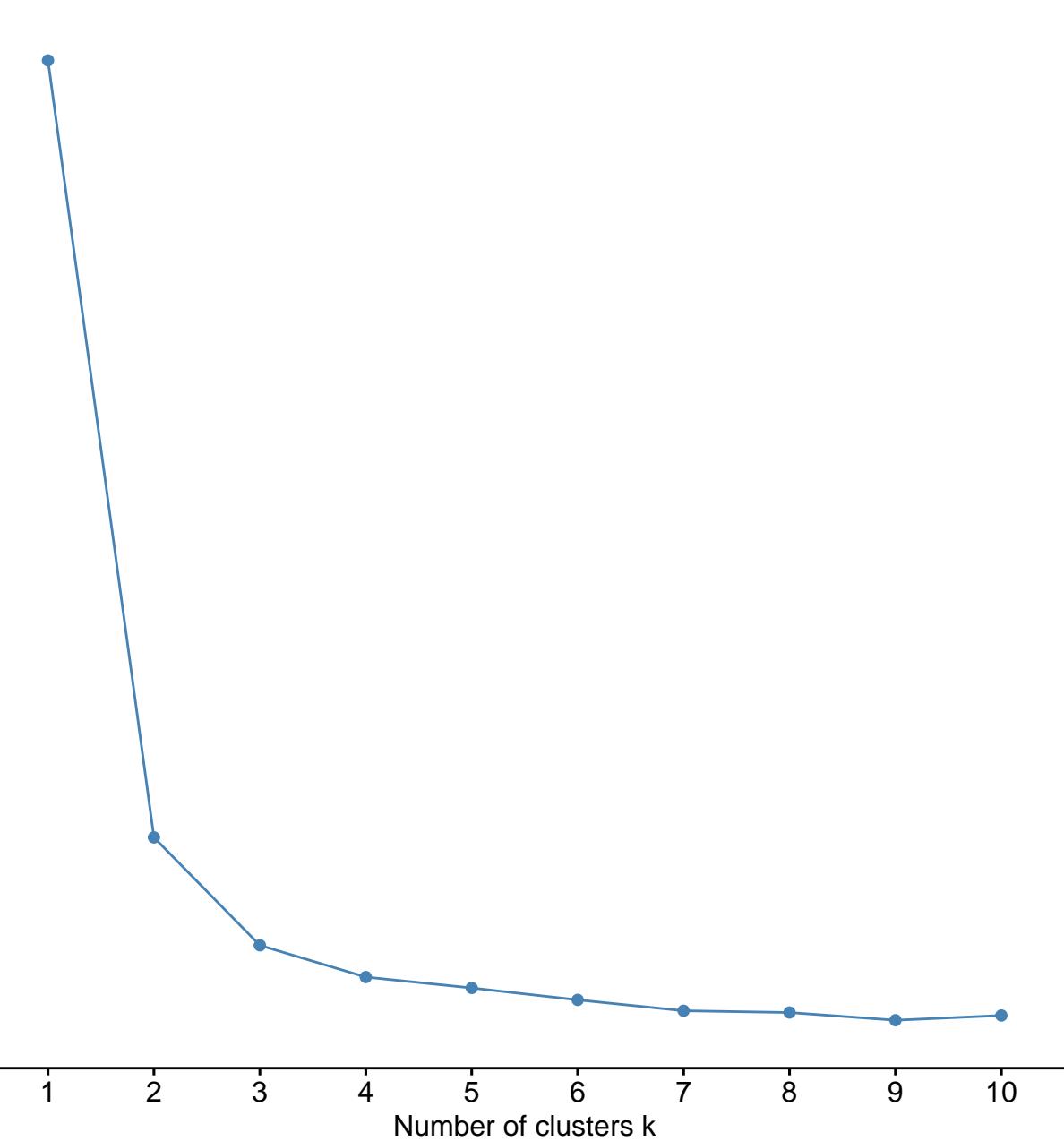
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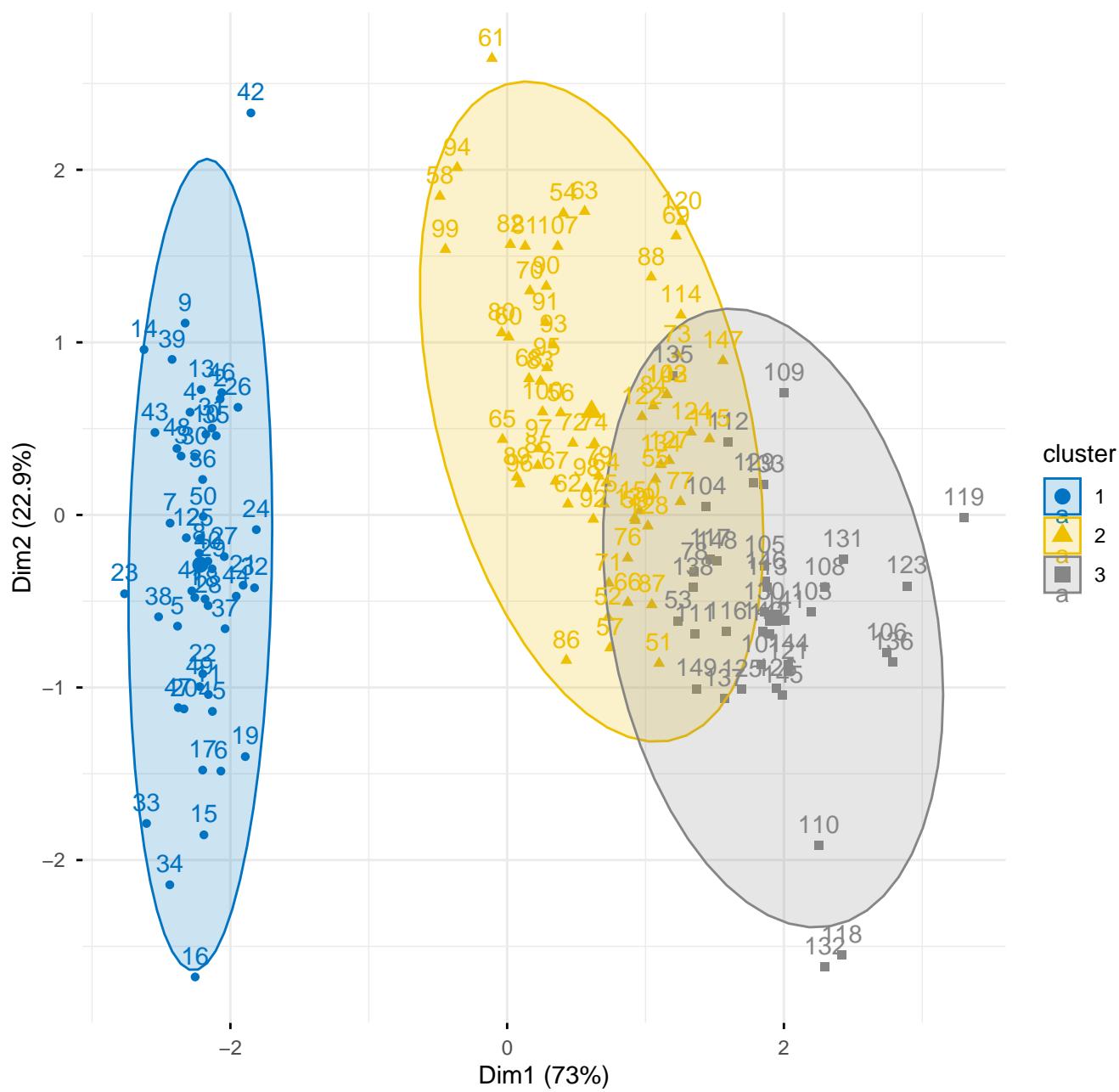
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10

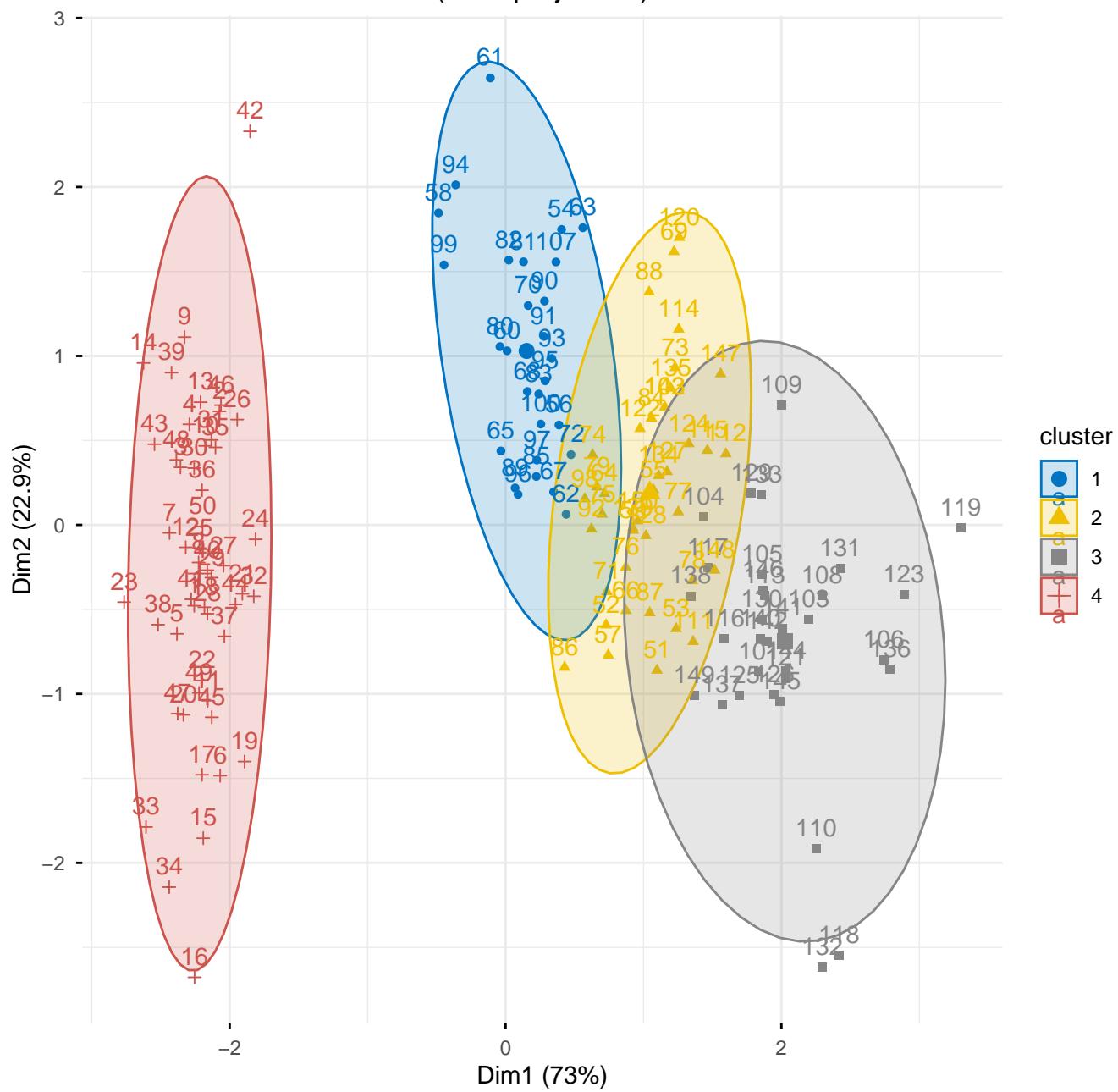
Number of clusters k



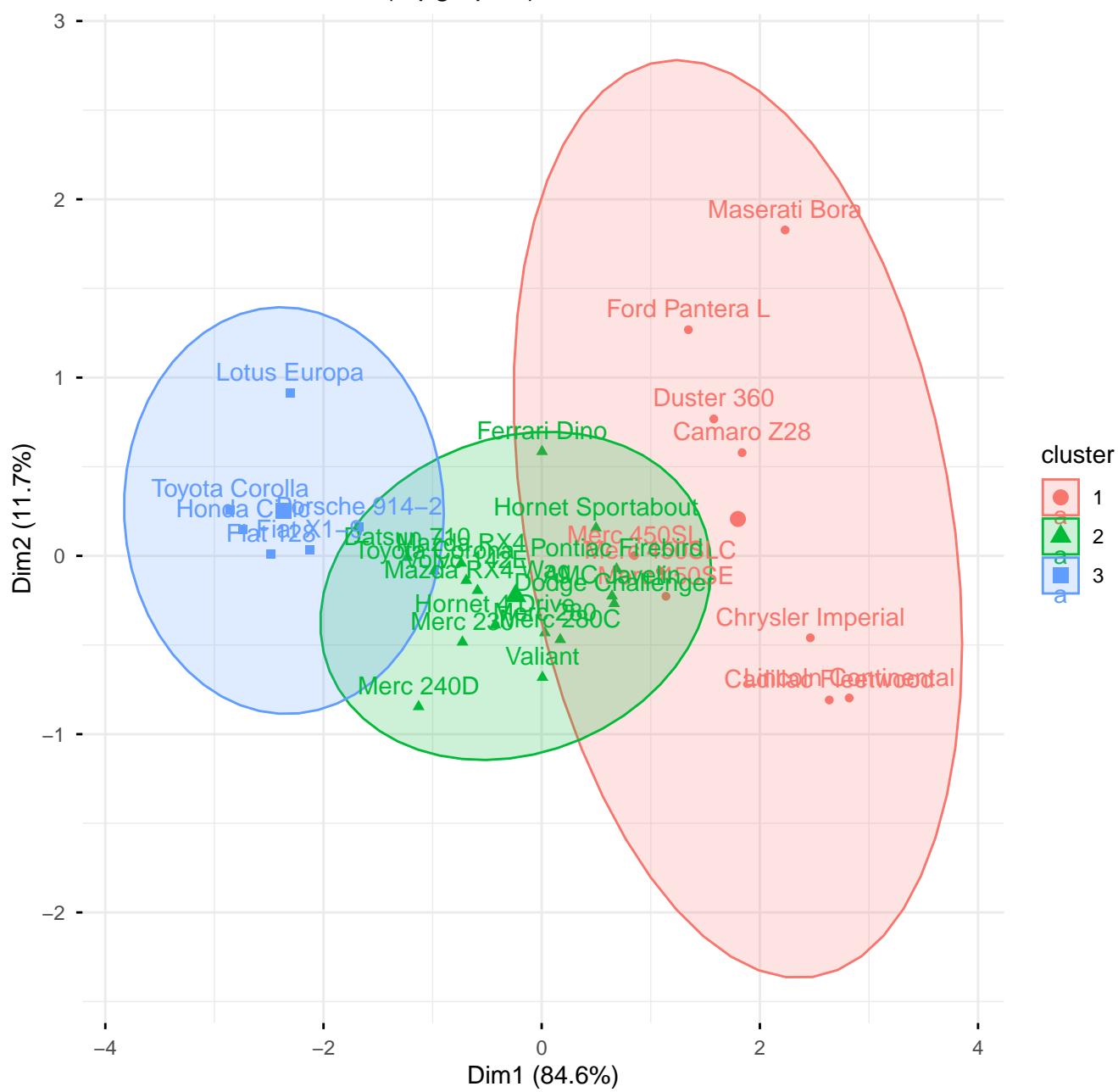
Cluster plot



Qs 1 – K=4 clusters on iris (PCA projection)



Qs 2 – mtcars clusters (mpg, hp, wt)



Qs 3 – Elbow method (Iris) – within-cluster sum of squares

Total Within Sum of Square

600

400

200

0

1

2

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4

5

6

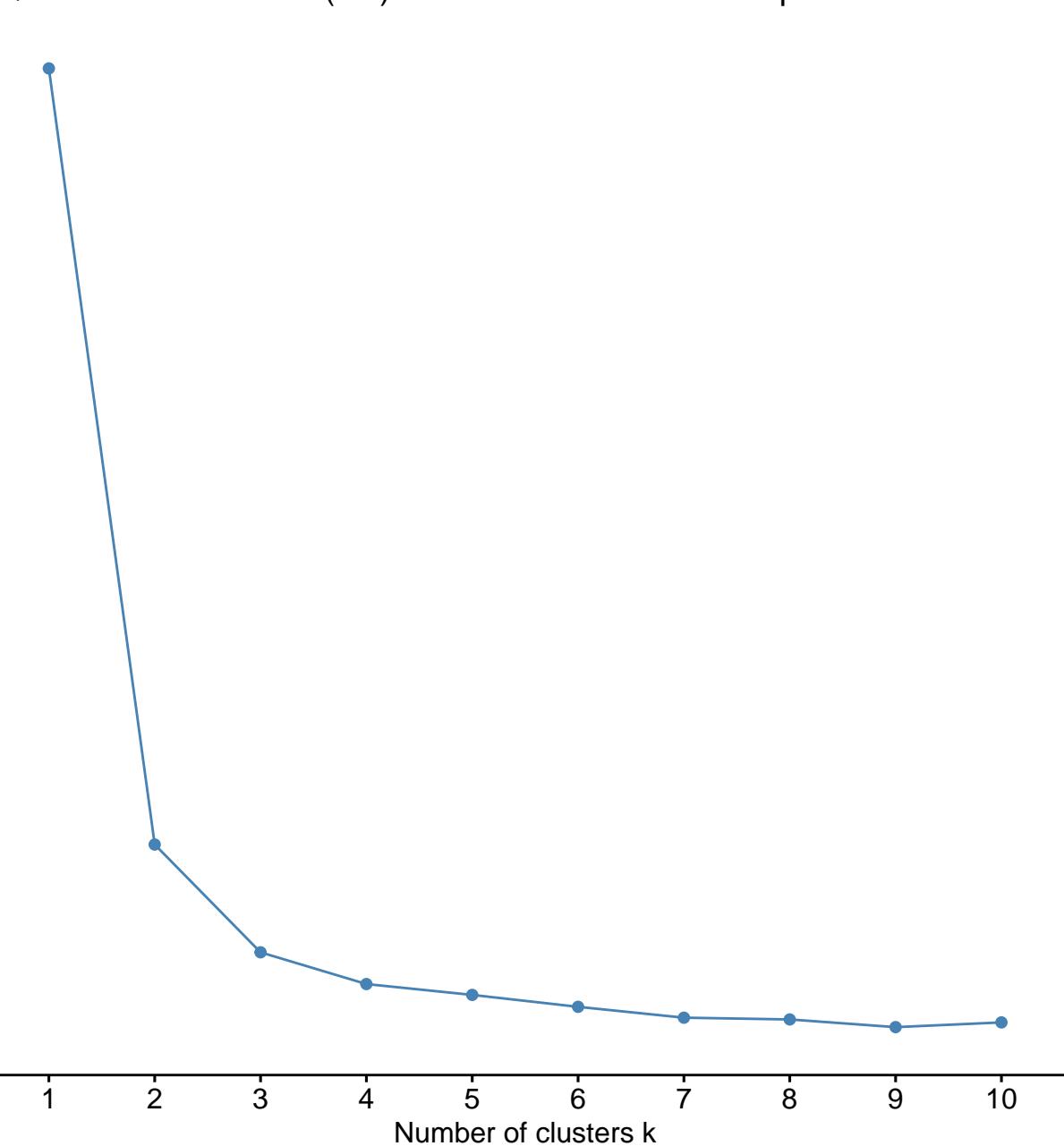
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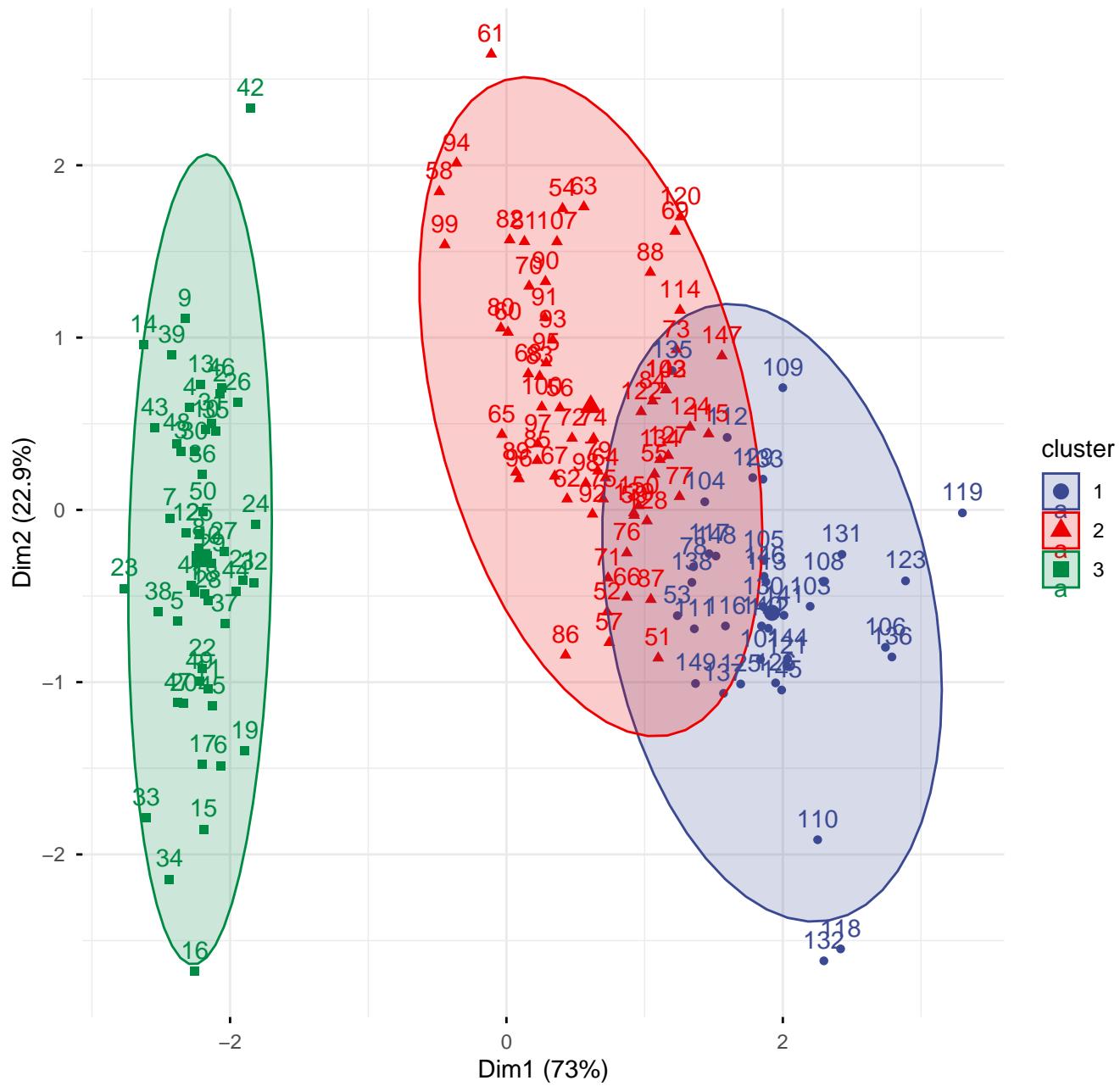
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Number of clusters k



Qs 4 – K=3 clusters on iris (PCA projection)



Qs 5 – Clusters on Sepal features (K=3)

