OMC 406 Data Science Laboratory

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Course: MCA-ODL

Semester: 04

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Miteragle

1 load data

2 octandardise the features to zero mean and unit variance

3 compute Euclidean distance mothère

4 apply helust with method = "ward. D2"

5 plot the dendogram

East of the series

(8) plat clusters

Mirary (votata) Mirary (votatar) Mirary (vogaplot2)

X = scale (vie [, 1:4])

d = dist (X, method = "euclideam")

hc <- helust (d, method = "ward.D2")

plot (ax. dendogram(hc), main="practical", yeal="Height", Xdab = 'Sampled')

be-3

 $cl \leftarrow cultree (hc, k=k)$

table (cl)

$$pca \leftarrow pecomp(x, center = FAISE, scale = FAISE)$$
 $pc \leftarrow cas. clata. frame(pca$x[,1:2])$
 $pc schoter \leftarrow factor(c1)$