

Q4.R

Asus

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```
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rm(list=ls())
setwd("C:/Users/Asus/Desktop/Github/CS513_KnowledgeDiscoveryDataMining/Finals")
df = read.csv('Data.csv', header=TRUE, sep=",")

df2<-hclust(dist(df[, -1]))

df3<-cutree(df2, 2)
df4 = list(cluster = df3)
cluster = aggregate(df[, -1], df4, mean)

cluster

##   cluster      X      Y      Z
## 1      1 1.333333 1.333333 1.333333
## 2      2 4.250000 3.500000 4.250000

# b,c,d,f belong to cluster 1 and a,e,g belong to cluster 2
# (4.25,3.5,4.25) is the center of cluster 1
# (1.33,1.33,1.33) is the center of cluster 2
```