Cluster Analysis

>attach(Case\_1\_Godrej\_Ltd)

>z<-Case\_1\_Godrej\_Ltd[,-c(1,1)]

> z

>m<-apply(z,2,mean)

> s<-apply(z,2,sd)

> z<-scale(z,m,s)

> distance<-dist(z)

> distance

> print(distance,digits = 3)

>hc.c<-hclust(distance)

> hc.c

>plot(hc.c)

> plot(hc.c,hang = -1)

> hc.a<-hclust(distance,method = "average")

> plot(hc.a)

> plot(hc.a,hang = -1)

> member.c<-cutree(hc.c,3)

> member.a<-cutree(hc.a,3)

> table(member.c,member.a)

>aggregate(z,list(member.c),mean)

>aggregate(Case\_1\_Godrej\_Ltd[,-c(1,1)],list(member.c),mean)

>library(cluster)

> plot(silhouette(cutree(hc.c,3),distance))

>kc<-kmeans(z,3)

>kc

>kc$cluster