Unsupervised Learning - DBSCan 2

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R Markdown

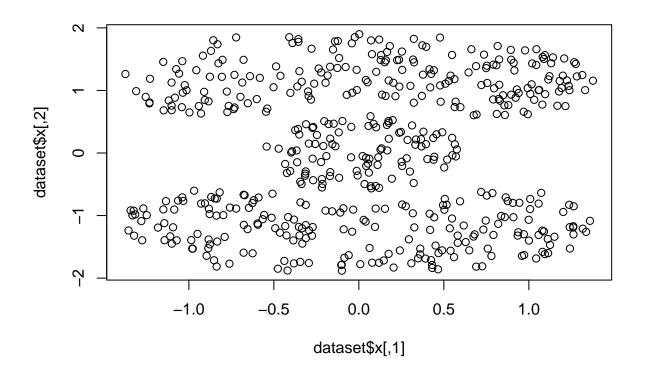
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When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
#Install and load mlbench and fpc package
#install.packages("mlbench")
library(mlbench)
```

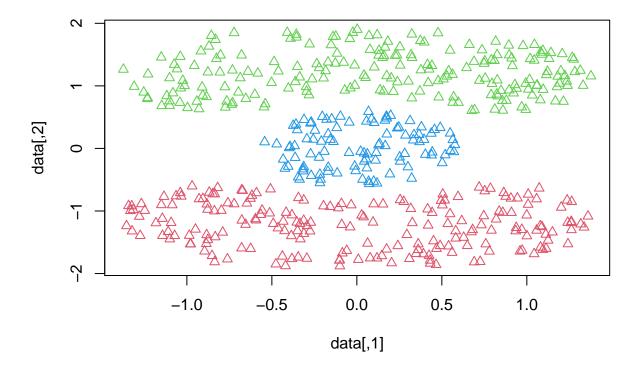
```
#install.packages("fpc")
library(fpc)
```

```
#Use mlbench libary to draw a cassini problem graph
set.seed(2)
dataset = mlbench.cassini(500)
plot(dataset$x)
```



```
?dbscan()
## starting httpd help server ... done
  = dbscan(dist(dataset$x),eps= 0.2, MinPts = 2,countmode = NULL,method = "dist")
ds
  dbscan Pts=500 MinPts=2 eps=0.2
##
        1
           2
## seed 200 200 100
## total 200 200 100
ds$cluster
##
                      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
                                 1 1 1 1
                            1 1 1 1 1 1 1 1 1
## [186] 1 1 1 1 1 1 1 1
                         1
                      ## [223] 2 2 2 2 2 2 2 2 2 2
```

```
plot(ds, dataset$x)
```



[1] 3 1 2