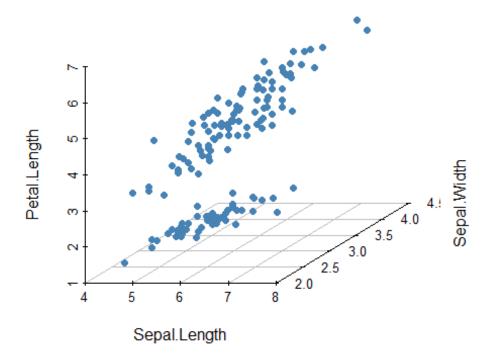
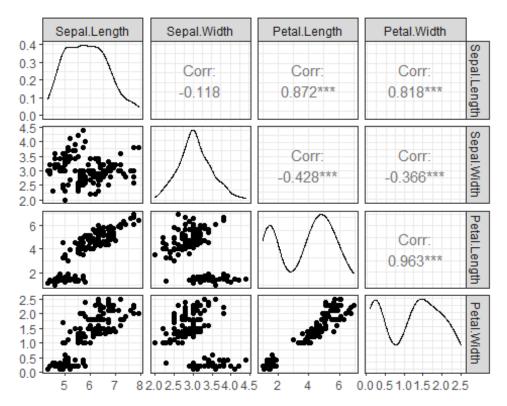
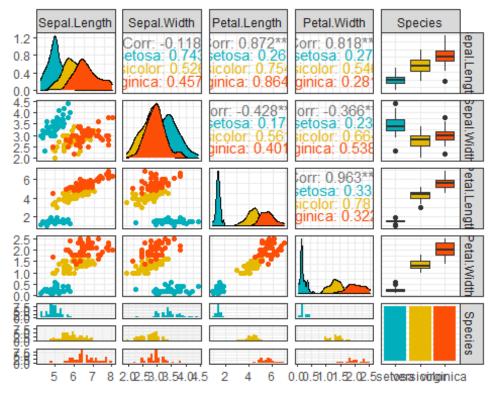
## DA<sub>2</sub>

```
library("magrittr") # for piping %>%
head(iris, 3)
     Sepal.Length Sepal.Width Petal.Length Petal.Width Species
## 1
              5.1
                          3.5
                                       1.4
                                                   0.2 setosa
              4.9
## 2
                          3.0
                                       1.4
                                                   0.2 setosa
## 3
              4.7
                          3.2
                                       1.3
                                                   0.2 setosa
library(scatterplot3d)
scatterplot3d(
  iris[,1:3], pch = 19, color = "steelblue",
   grid = TRUE, box = FALSE,
   mar = c(3, 3, 0.5, 3)
library(GGally)
## Warning: package 'GGally' was built under R version 4.1.3
## Loading required package: ggplot2
## Registered S3 method overwritten by 'GGally':
     method from
##
##
     +.gg ggplot2
```

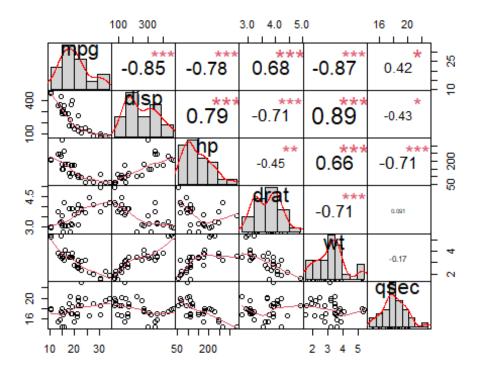


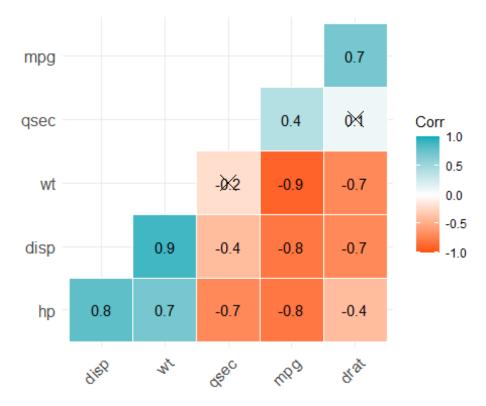
```
library(ggplot2)
ggpairs(iris[,-5])+ theme_bw()
```

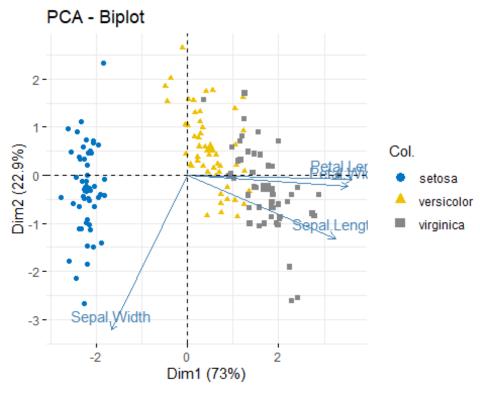




```
# install.packages("PerformanceAnalytics")
library("PerformanceAnalytics")
## Warning: package 'PerformanceAnalytics' was built under R version 4.1.3
## Loading required package: xts
## Loading required package: zoo
##
## Attaching package: 'zoo'
## The following objects are masked from 'package:base':
##
       as.Date, as.Date.numeric
##
##
## Attaching package: 'PerformanceAnalytics'
## The following object is masked from 'package:graphics':
##
##
       legend
my_data <- mtcars[, c(1,3,4,5,6,7)]
chart.Correlation(my_data, histogram=TRUE, pch=19)
```







## Cluster Dendrogram

