Sinney Chan
Dr. Wallace
Modern Application for Data Science
12th October 2016

MyIris Assignment

1st setosa , 2nd versicolor, 3rd virginica

The plot shows the relationship between three species, which are Setosa, Versicolor, and Virginica. Starting from the bottom row, we can see that the first box has the lightest color, which means it has the strongest relationship.

The middle box indicates that there is a fairly strong relationship between Setosa and Versicolor, you can also see the relationship in the first box of the second row.

In the third box of the third row, it has the darkest color which means Setosa has the least relationship with Virginica, you can also see that in the first box of the first row.

The second row is the relationship between versicolor and the other species. Second species has a strong relationship

R code:

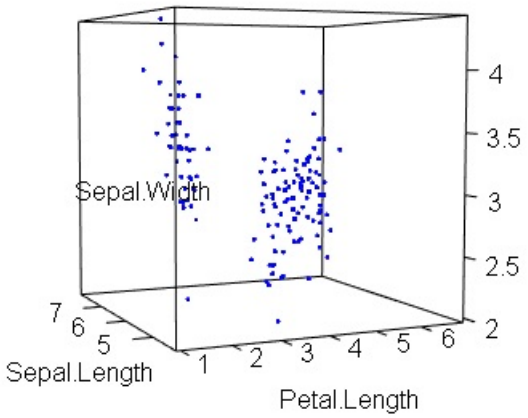
```
#myIris

myiris = iris
View(myiris)
d = myiris[,1:4]
iris_cor1 = cor(d)
iris_cor2=cor(t(d))

dim(d)
dim(iris_cor1)
dim(iris_cor2)
image(iris_cor2)

#install.packages("devtools")
#library(devtools)
#install.packages("rgl")

library(rgl)
plot3d(myiris,col="blue")
rgl.snapshot(filename = "myiris3Dplot3",fmt = "png")
```


Sepal.Width
4
3.5
3
2.5
2
7
6
5
Sepal.Length
1
2
3
4
5
6
Petal.Length