Homework 2 2022.05.05

Leo
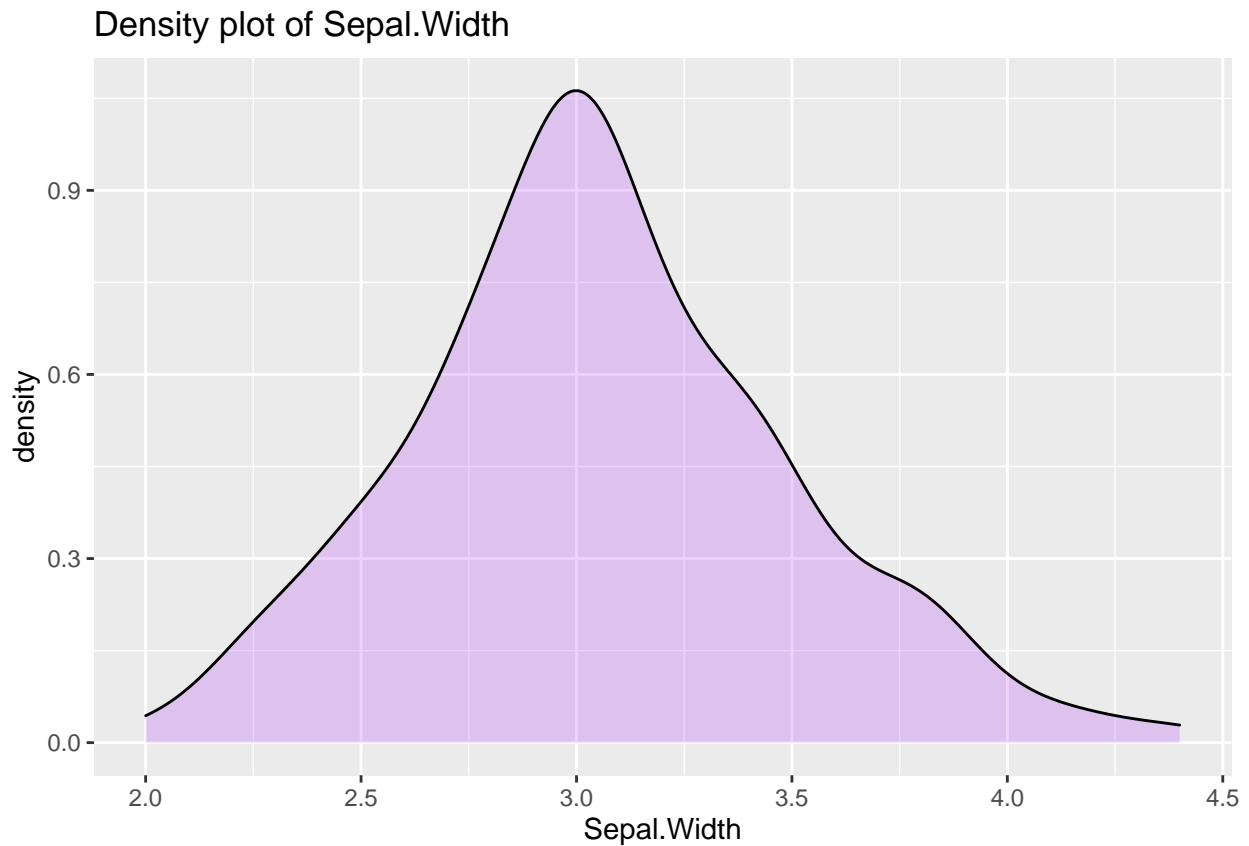
05/05/2022

First loading basic settings and related packages, and the code is not displayed.

Density plot of Sepal.Width

Using ggplot() to draw a Density plot. The parameters include selected object,colour you like, intensity of colour and title of the plot.
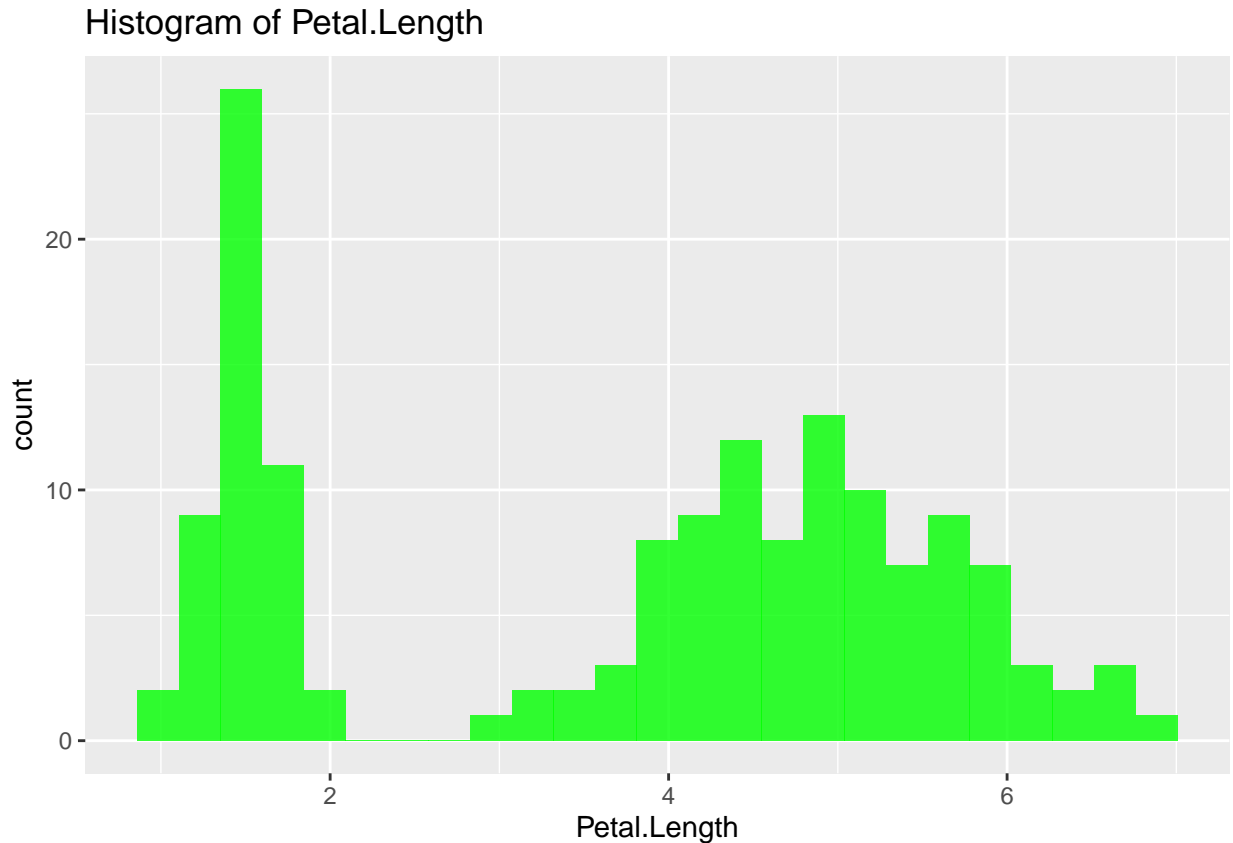
```
> ggplot(data = iris,mapping = aes(x = Sepal.Width)) +
+   geom_density(fill = "purple",alpha = 0.2) +
+   ggtitle("Density plot of Sepal.Width")
```

Histogram of Petal.Length

Using ggplot() to draw a Histogram plot. The parameters include selected object,colour you like, intensity of colour, number of bin and title of the plot.

```
> ggplot(data = iris,mapping = aes(x = Petal.Length)) +
+   geom_histogram(fill = "green",alpha = 0.8,bins = 25) +
+   ggtitle("Histogram of Petal.Length")
```


Summary statistics of Petal.Length

Using summary() to get summary statistics of interested data and tabulate them by using functions in a package named pander.

```
> Sum <- summary(iris$Sepal.Length)
> pander::pander(Sum)
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
4.3	5.1	5.8	5.843	6.4	7.9