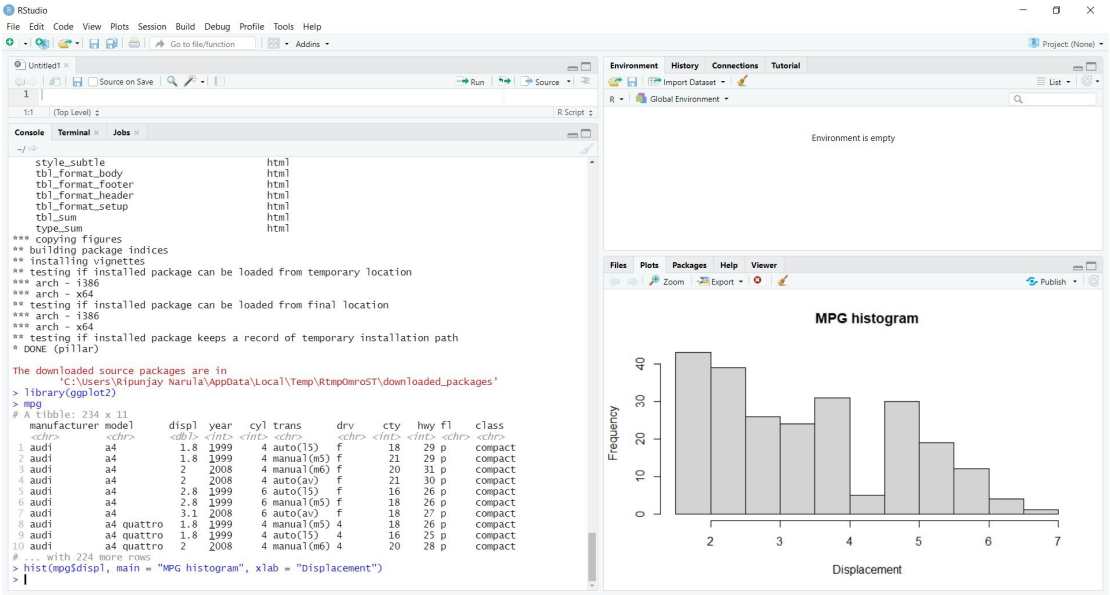
Data Visualization (L37+L38)

Digital Assignment (16-02-2021)

By: Ripunjay Narula (19BCE0470)

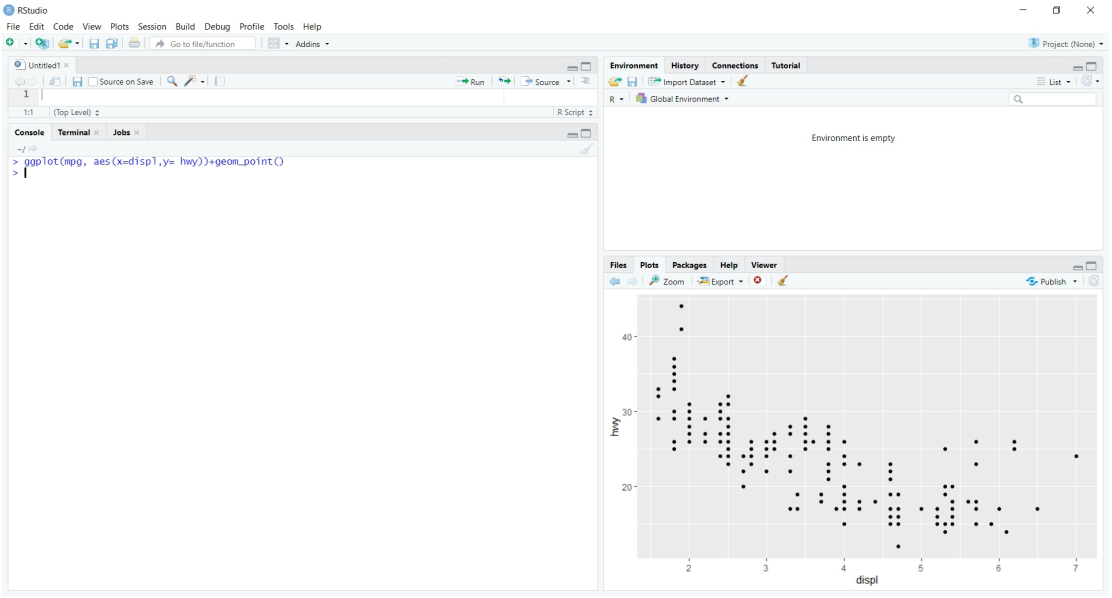
1) Histogram

```
hist(mpg$displ, main = "MPG histogram", xlab = "Displacement")
```



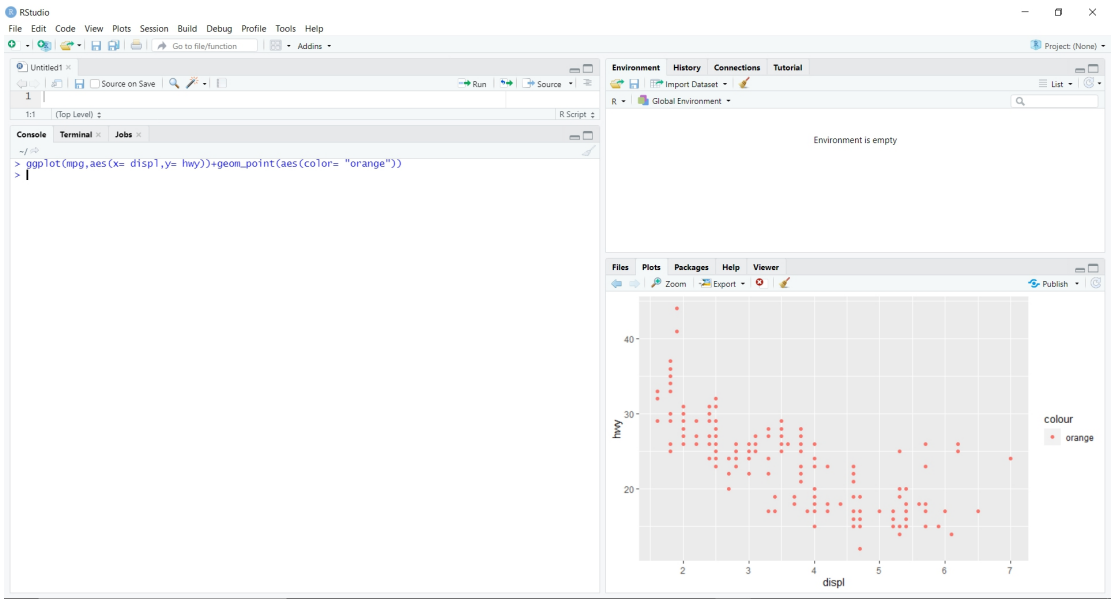
2) Scatter Plot

```
ggplot(mpg, aes(x=displ,y= hwy))+geom_point()
```



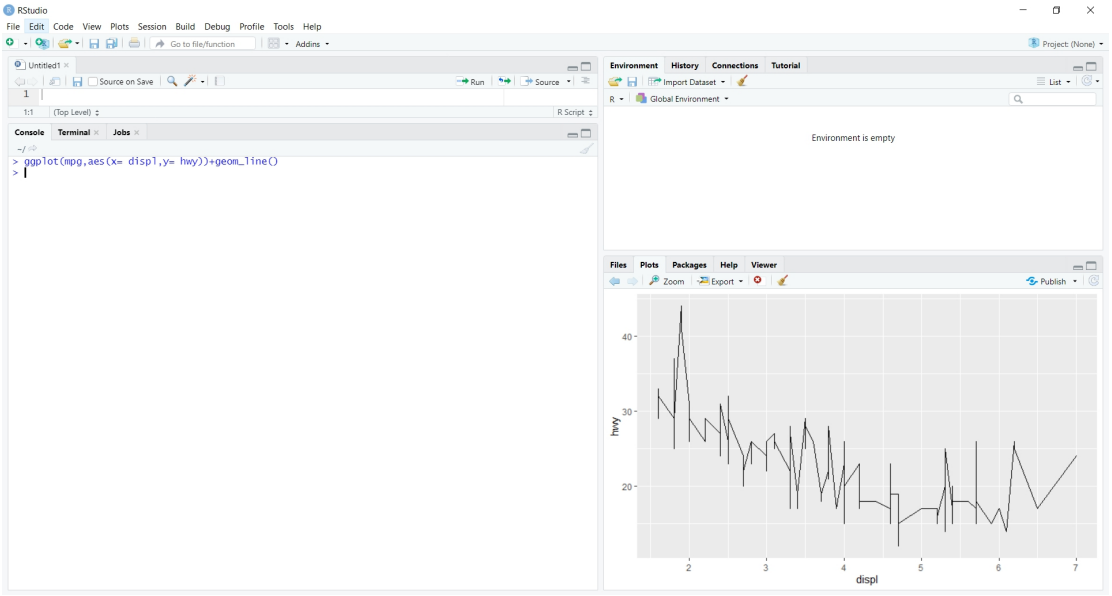
3) Scatter Plot with color

```
ggplot(mpg,aes(x= displ,y= hwy))+geom_point(aes(color= "orange"))
```



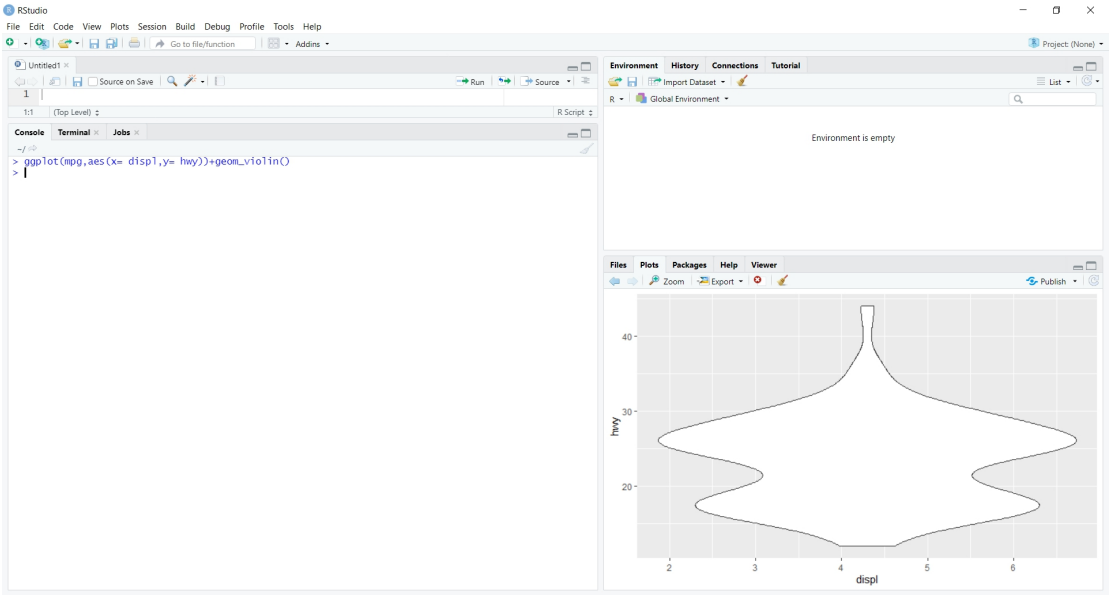
4) Line Graph

```
ggplot(mpg,aes(x= displ,y= hwy))+geom_line()
```



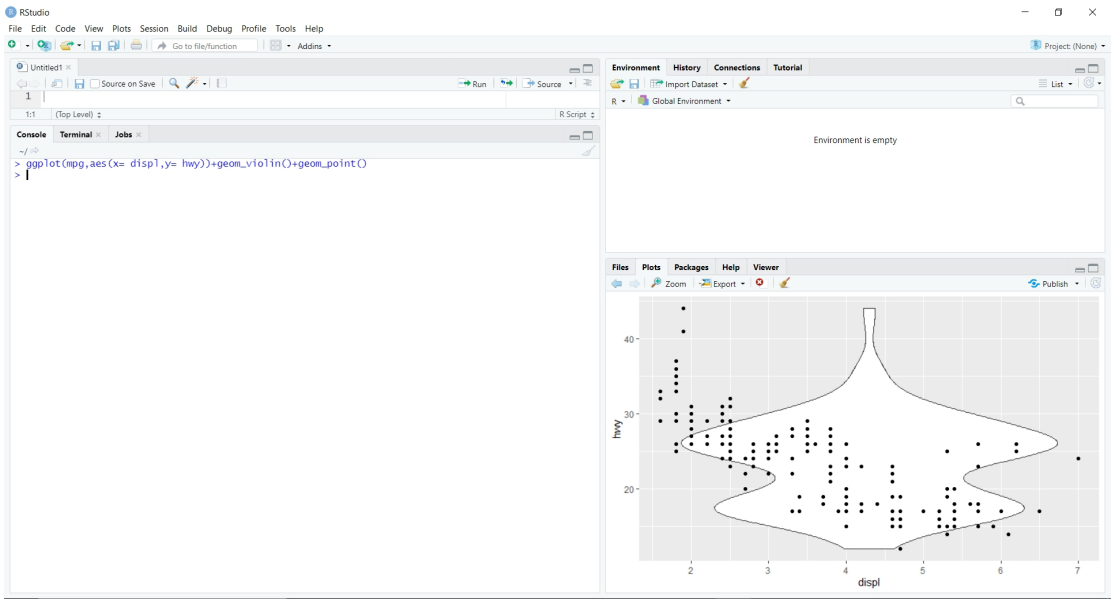
5) Violin Plot

```
ggplot(mpg,aes(x= displ,y= hwy))+geom_violin()
```



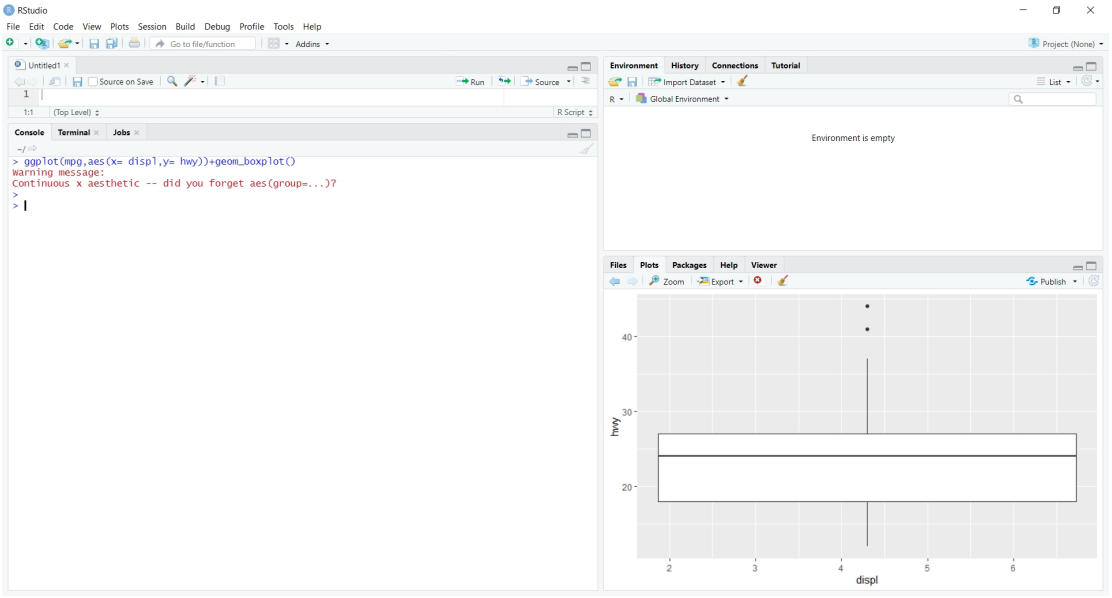
6) Violin Plot + Point Plot

```
ggplot(mpg,aes(x= displ,y= hwy))+geom_violin()+geom_point()
```



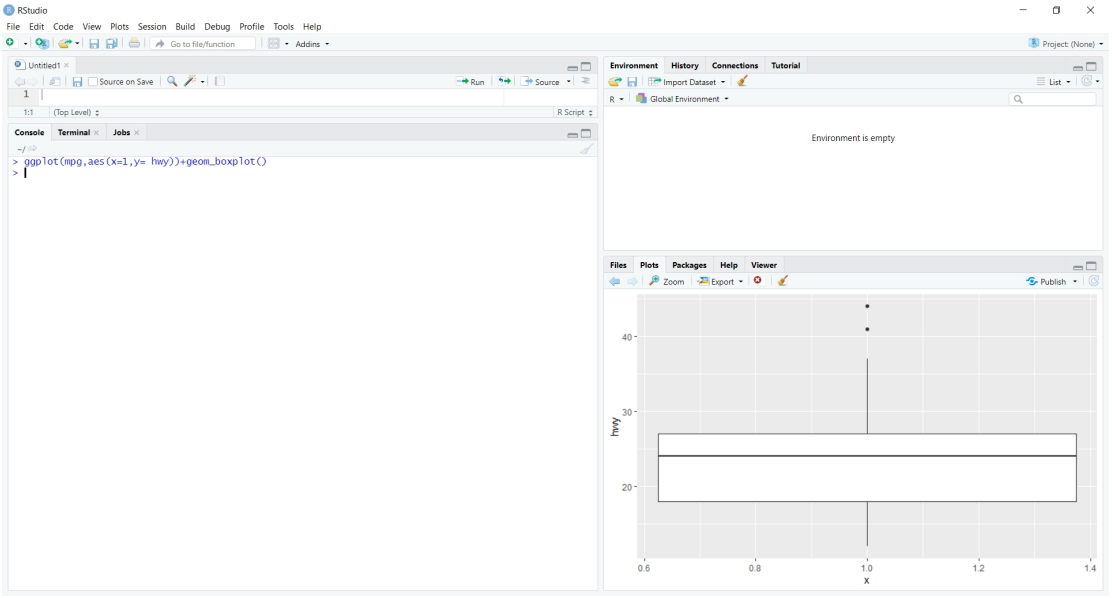
7) Box Plot

```
ggplot(mpg,aes(x= displ,y= hwy))+geom_boxplot()
```



8) Box Plot with x=1

```
ggplot(mpg,aes(x=1,y= hwy))+geom_boxplot()
```



9) Density Plot

```
ggplot(data= mpg)+geom_density(aes(x= displ),fill= "red60")
```