

```
# Visualize association between two quantitative variable
# Check the linearity / spread / outliers / correlation
```

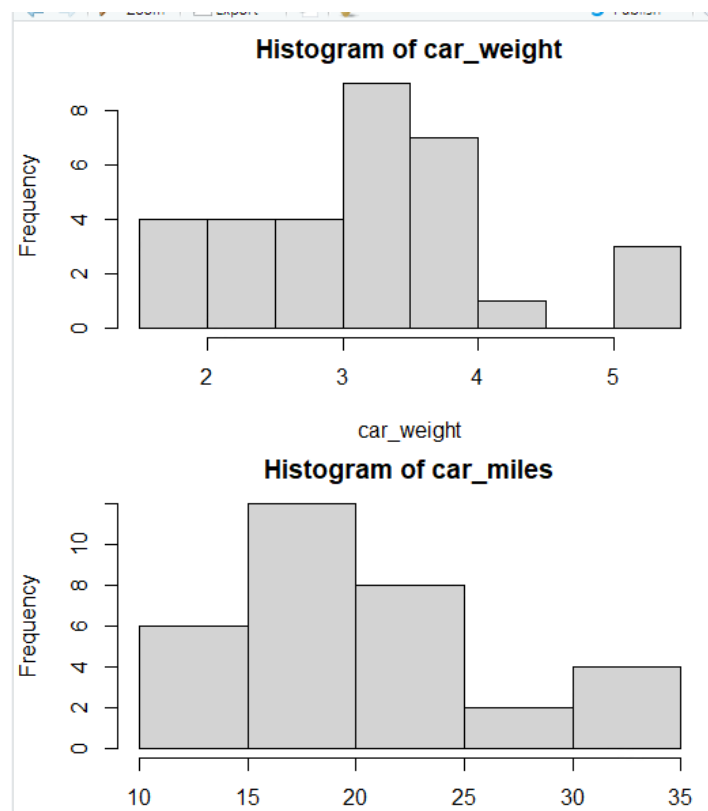
```
library(datasets)
```

```
?mtcars
head(mtcars)
```

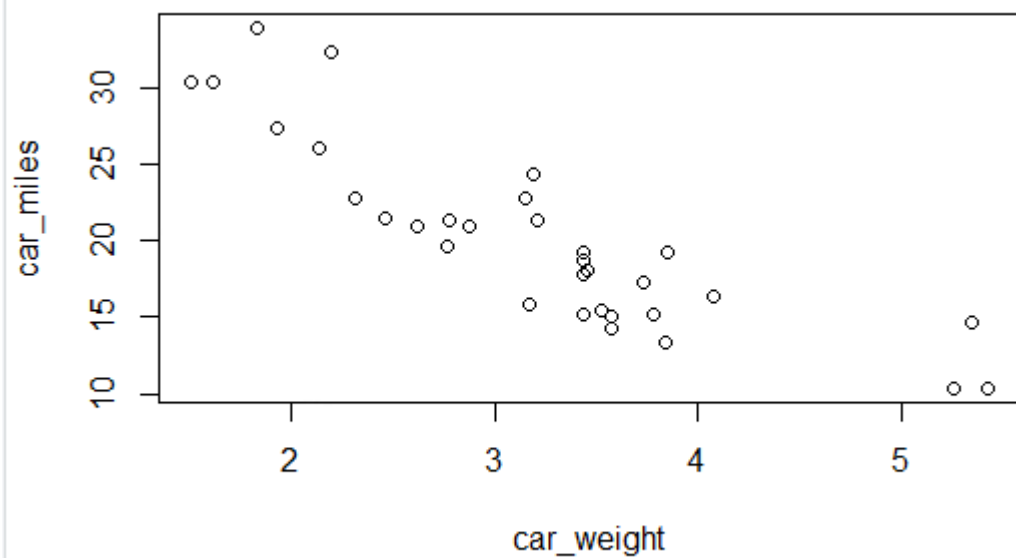
```
# check the univariate distributions
car_weight <- mtcars$wt
car_miles <- mtcars$mpg
```

```
par(mfrow= c(2,1))
```

```
hist(car_weight)
hist(car_miles)
```



```
18
19
20 # if two quantitative together = scatterplot
21 plot(car_weight, car_miles)
22
```



```
solid_circle = 19
size_of_point = 1.5
red = "#cc0000"
title= "MPG as a function of weight of cars"
xlabel = "Weight (1000 pounds)"
ylabel = "MPG"
```

```
?plot
```

```
plot(
  car_weight,
  car_miles,
  pch = solid_circle,
  cex = size_of_point,
  col= red,
  main = title,
  xlab = xlabel,
  ylab = ylabel
)
```

