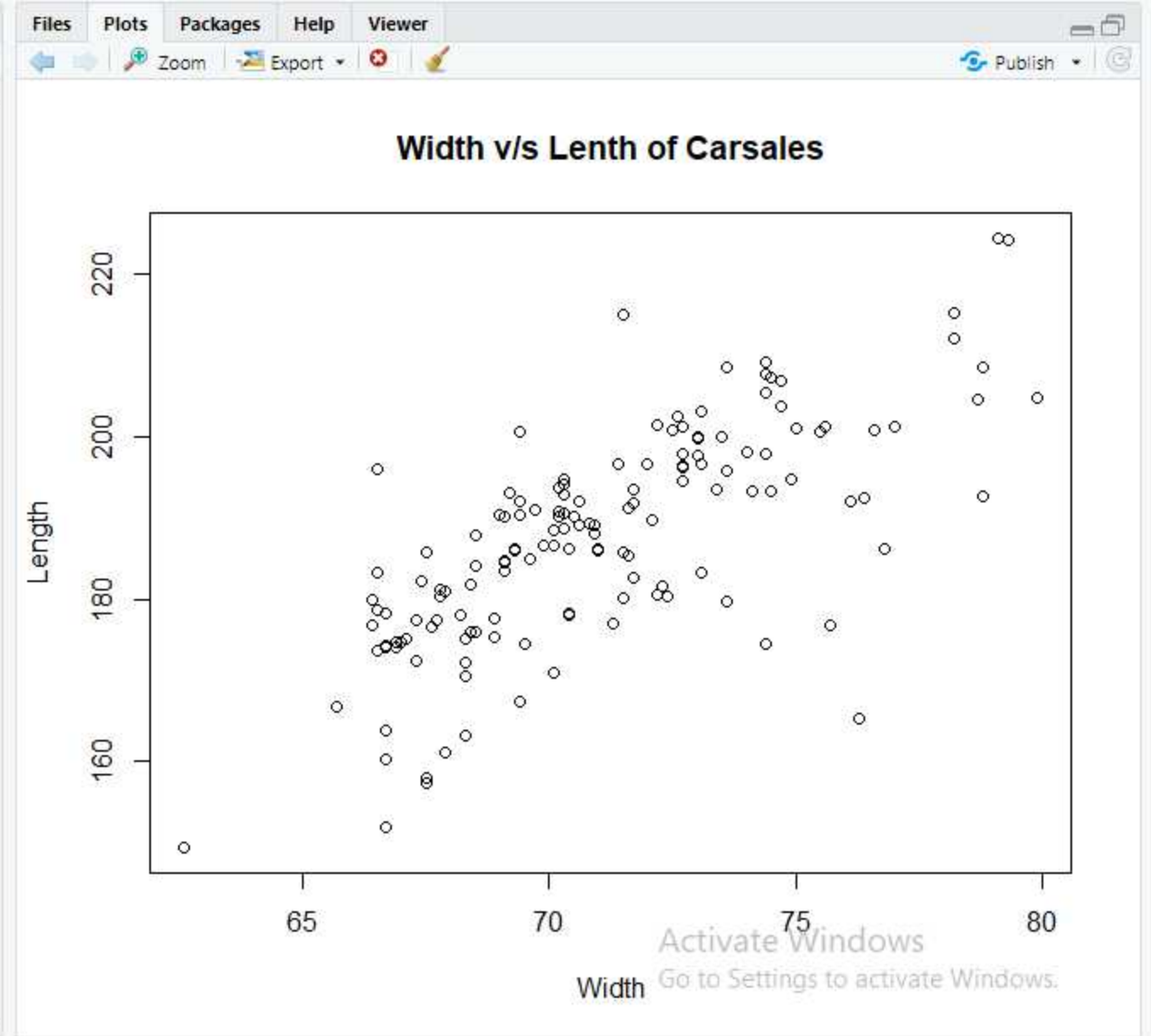


```
Console Terminal Jobs
R 4.1.1 · G:/carsales/
package 'upyr' was built under R version 4.1.2
> setwd("G:/carsales/")
> mydata<-read.csv('car_sales.csv')
> summary(mydata)
Manufacturer      Model      Sales_in_thousands X_year_resale_value
Length:157      Length:157      Min.   : 0.11      Min.   : 5.16
Class :character Class :character 1st Qu.: 14.11     1st Qu.:11.26
Mode  :character Mode  :character Median : 29.45     Median :14.18
                        Mean  : 53.00     Mean  :18.07
                        3rd Qu.: 67.96    3rd Qu.:19.88
                        Max.   :540.56    Max.   :67.55
                        NA's   :36
Vehicle_type      Price_in_thousands Engine_size      Horsepower
Length:157      Min.   : 9.235      Min.   :1.000      Min.   : 55.0
Class :character 1st Qu.:18.017      1st Qu.:2.300      1st Qu.:149.5
Mode  :character Median :22.799      Median :3.000      Median :177.5
                        Mean  :27.391      Mean  :3.061      Mean  :185.9
                        3rd Qu.:31.948    3rd Qu.:3.575      3rd Qu.:215.0
                        Max.   :85.500      Max.   :8.000      Max.   :450.0
                        NA's   :2          NA's   :1          NA's   :1
wheelbase      width      Length      Curb_weight      Fuel_capacity
Min.   : 92.6      Min.   :62.60      Min.   :149.4      Min.   :1.895      Min.   :10.30
1st Qu.:103.0      1st Qu.:68.40      1st Qu.:177.6      1st Qu.:2.971      1st Qu.:15.80
Median :107.0      Median :70.55      Median :187.9      Median :3.342      Median :17.20
Mean   :107.5      Mean   :71.15      Mean   :187.3      Mean   :3.378      Mean   :17.95
3rd Qu.:112.2      3rd Qu.:73.42      3rd Qu.:196.1      3rd Qu.:3.800      3rd Qu.:19.57
Max.   :138.7      Max.   :79.90      Max.   :224.5      Max.   :5.572      Max.   :32.00
NA's   :1          NA's   :1          NA's   :1          NA's   :2          NA's   :1
Fuel_efficiency Latest_Launch      Power_perf_factor
Min.   :15.00      Length:157      Min.   : 23.28
1st Qu.:21.00      Class :character 1st Qu.: 60.41
Median :24.00      Mode  :character Median : 72.03
Mean   :23.84      Mean   : 77.04
3rd Qu.:26.00      3rd Qu.: 89.41
Max.   :45.00      Max.   :188.14
NA's   :3          NA's   :2
> #Structure
> str(mydata)
```



Console Terminal x Jobs x

R 4.1.1 · G:/carsales/

```
> str(mydata)
'data.frame': 157 obs. of 16 variables:
 $ Manufacturer      : chr  "Acura" "Acura" "Acura" "Acura" ...
 $ Model             : chr  "Integra" "TL" "CL" "RL" ...
 $ Sales_in_thousands : num  16.92 39.38 14.11 8.59 20.4 ...
 $ X__year_resale_value: num  16.4 19.9 18.2 29.7 22.3 ...
 $ Vehicle_type      : chr  "Passenger" "Passenger" "Passenger" "Passenger" ...
 $ Price_in_thousands : num  21.5 28.4 NA 42 24 ...
 $ Engine_size       : num  1.8 3.2 3.2 3.5 1.8 2.8 4.2 2.5 2.8 2.8 ...
 $ Horsepower        : int  140 225 225 210 150 200 310 170 193 193 ...
 $ wheelbase         : num  101 108 107 115 103 ...
 $ width             : num  67.3 70.3 70.6 71.4 68.2 76.1 74 68.4 68.5 70.9 ...
 $ Length            : num  172 193 192 197 178 ...
 $ Curb_weight       : num  2.64 3.52 3.47 3.85 3 ...
 $ Fuel_capacity      : num  13.2 17.2 17.2 18 16.4 18.5 23.7 16.6 16.6 18.5 ...
 $ Fuel_efficiency    : int  28 25 26 22 27 22 21 26 24 25 ...
 $ Latest_Launch     : chr  "2/2/2012" "6/3/2011" "1/4/2012" "3/10/2011" ...
 $ Power_perf_factor  : num  58.3 91.4 NA 91.4 62.8 ...

> #Names
> names(mydata)
 [1] "Manufacturer"      "Model"              "Sales_in_thousands"
 [4] "X__year_resale_value" "Vehicle_type"       "Price_in_thousands"
 [7] "Engine_size"       "Horsepower"         "wheelbase"
[10] "width"             "Length"             "Curb_weight"
[13] "Fuel_capacity"     "Fuel_efficiency"    "Latest_Launch"
[16] "Power_perf_factor"

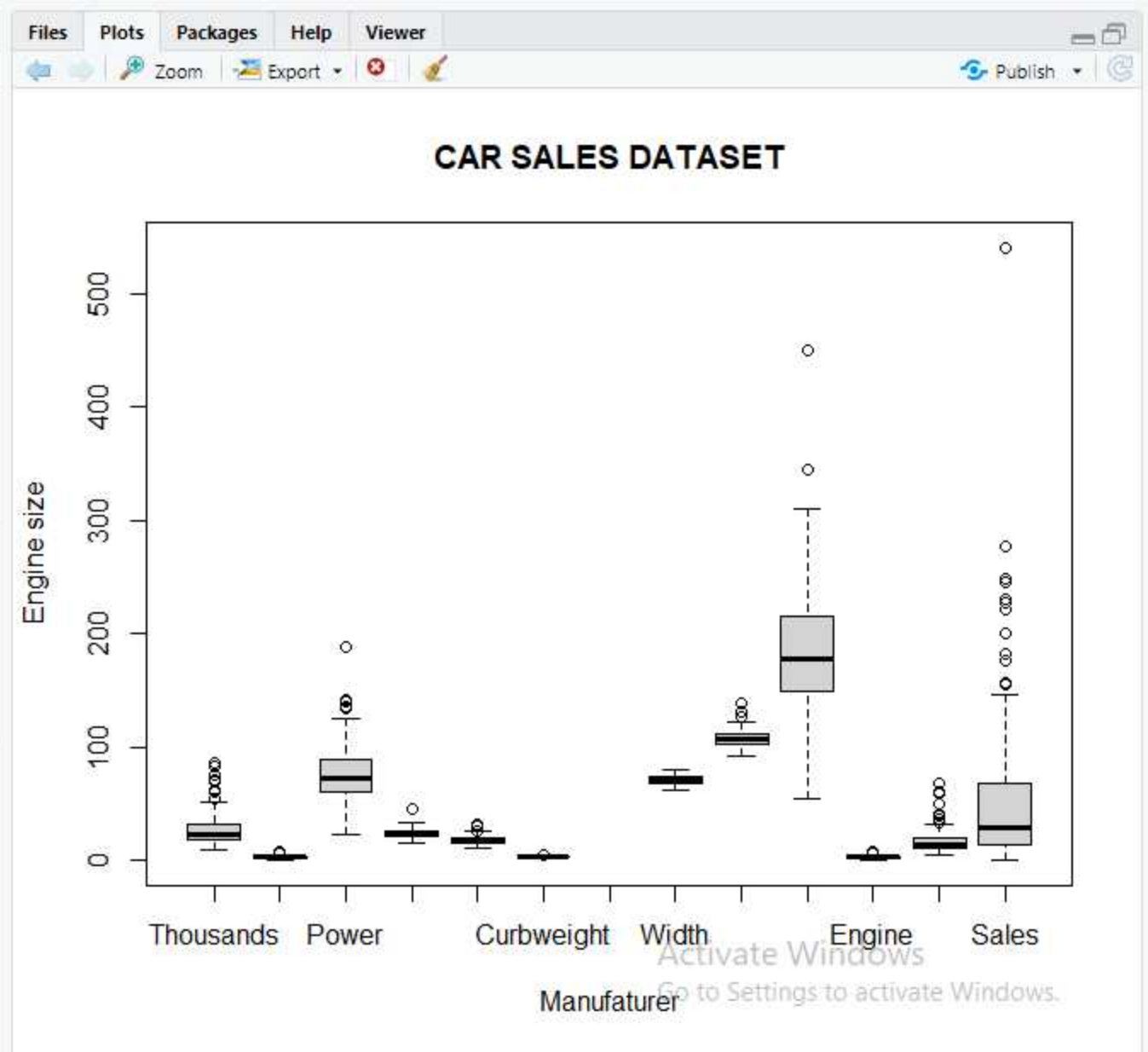
> #Dimension
> dim(mydata)
[1] 157 16

> min(mydata$Sales_in_thousands)
[1] 0.11

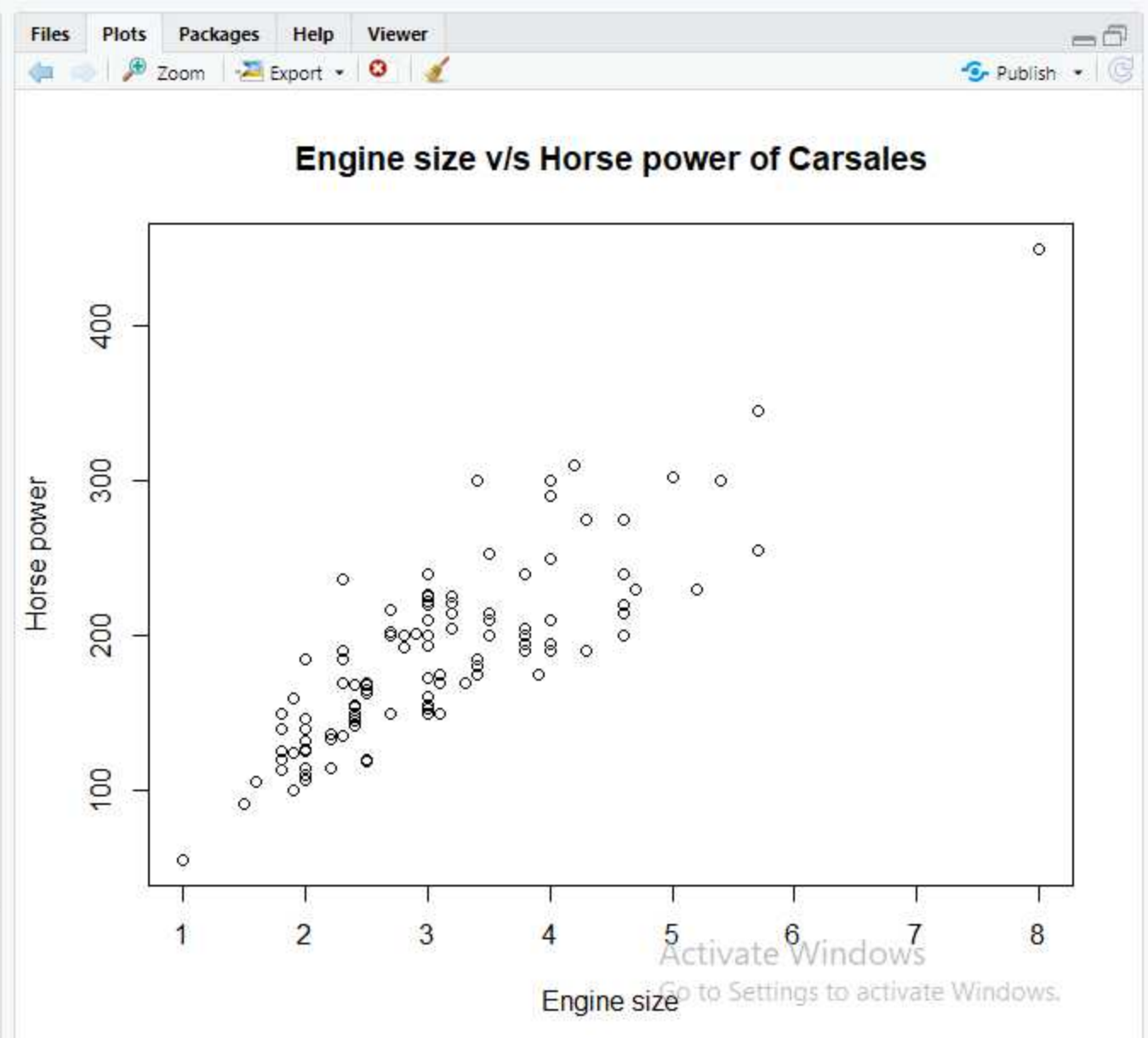
> max(mydata$Sales_in_thousands)
[1] 540.561

> max(mydata$Manufacturer)
[1] "Volvo"

> min(mydata$Manufacturer)
[1] "Acura"
```



```
Console Terminal x Jobs x
R 4.1.1 · G:/carsales/
> min(mydata$Manufacturer)
[1] "Acura"
> #Mean of Car sales
> mean(mydata$Sales_in_thousands)
[1] 52.99808
> #Median of Car sales
> median(mydata$Sales_in_thousands)
[1] 29.45
> #Standard deviation
> sd(mydata$Sales_in_thousands)
[1] 68.02942
> #Variance
> var(mydata$Sales_in_thousands)
[1] 4628.002
> #Quantile of Car sales
> quantile(mydata$Sales_in_thousands)
  0%    25%    50%    75%   100%
0.110 14.114 29.450 67.956 540.561
> quantile(mydata$Sales_in_thousands, 0.25)
  25%
14.114
> quantile(mydata$Sales_in_thousands, 0.75)
  75%
67.956
> quantile(mydata$Sales_in_thousands, 1.00)
 100%
540.561
> #boxplot
> boxplot(mydata$Price_in_thousands, mydata$Engine_size, mydata$Power_perf_factor, mydata$Fuel_efficiency, mydata$Fuel_capacity, mydata$Curb_weight, mydata$length, mydata$width, mydata$wheelbase, mydata$Horsepower, mydata$Engine_size, mydata$X__year_resale_value, mydata$Sales_in_thousands, xlab = "Manufacturer", ylab = "Engine size", main = "CAR SALES DATASET", names = c("Thousands", "Enginesize", "Power", "Fuelefficiency", "Fuelcapacity", "Curbweight", "Length", "width", "wheelBase", "Horse-Power", "Engine", "x_resale", "Sales"))
> #SCATTER PLOT
> #width v/s length
```



Hide

ABOUT jQuery

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal.

Hide

ABOUT jQuery