```
Mean    :20.09    Mean    :6.188    Mean    :230.7    Mean    :146.7
3rd Qu.:22.80    3rd Qu.:8.000    3rd Qu.:326.0    3rd Qu.:180.0
Max.    :33.90    Max.    :8.000    Max.    :472.0    Max.    :335.0
     drat              wt              qsec              vs
Min.    :2.760    Min.    :1.513    Min.    :14.50    Min.    :0.0000
1st Qu.:3.080    1st Qu.:2.581    1st Qu.:16.89    1st Qu.:0.0000
Median :3.695    Median :3.325    Median :17.71    Median :0.0000
Mean    :3.597    Mean    :3.217    Mean    :17.85    Mean    :0.4375
3rd Qu.:3.920    3rd Qu.:3.610    3rd Qu.:18.90    3rd Qu.:1.0000
Max.    :4.930    Max.    :5.424    Max.    :22.90    Max.    :1.0000
      am              gear              carb
Min.    :0.0000    Min.    :3.000    Min.    :1.000
1st Qu.:0.0000    1st Qu.:3.000    1st Qu.:2.000
Median :0.0000    Median :4.000    Median :2.000
Mean    :0.4062    Mean    :3.688    Mean    :2.812
3rd Qu.:1.0000    3rd Qu.:4.000    3rd Qu.:4.000
Max.    :1.0000    Max.    :5.000    Max.    :8.000
> boxplot(mtcars$mpg, col="green")
> hist(mtcars$mpg, col = "green") ## Plot 1
> hist(mtcars$mpg, col = "green", breaks = 25) ## Plot 2
> hist(mtcars$mpg, col = "green", breaks = 50) ## Plot 3
> barplot(table(mtcars$carb), col="green")
> |
```
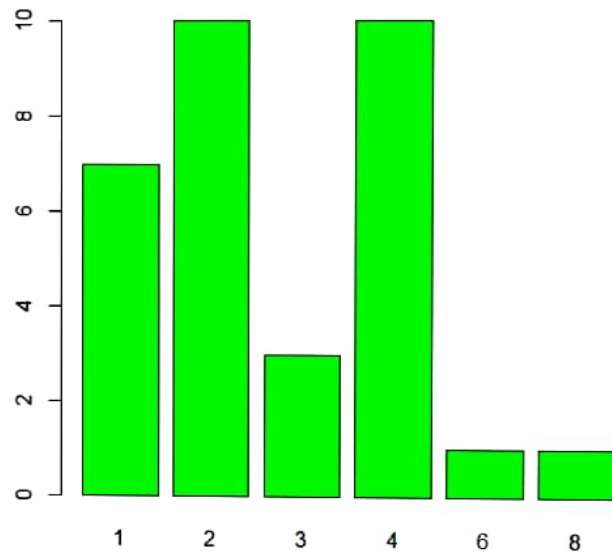
```
Median :19.20   Median :6.000   Median :196.3   Median :123.0
Mean    :20.09   Mean    :6.188   Mean    :230.7   Mean    :146.7
3rd Qu.:22.80   3rd Qu.:8.000   3rd Qu.:326.0   3rd Qu.:180.0
Max.    :33.90   Max.    :8.000   Max.    :472.0   Max.    :335.0
     drat              wt              qsec              vs
Min.    :2.760   Min.    :1.513   Min.    :14.50   Min.    :0.0000
1st Qu.:3.080   1st Qu.:2.581   1st Qu.:16.89   1st Qu.:0.0000
Median :3.695   Median :3.325   Median :17.71   Median :0.0000
Mean    :3.597   Mean    :3.217   Mean    :17.85   Mean    :0.4375
3rd Qu.:3.920   3rd Qu.:3.610   3rd Qu.:18.90   3rd Qu.:1.0000
Max.    :4.930   Max.    :5.424   Max.    :22.90   Max.    :1.0000
      am              gear             carb
Min.    :0.0000   Min.    :3.000   Min.    :1.000
1st Qu.:0.0000   1st Qu.:3.000   1st Qu.:2.000
Median :0.0000   Median :4.000   Median :2.000
Mean    :0.4062   Mean    :3.688   Mean    :2.812
3rd Qu.:1.0000   3rd Qu.:4.000   3rd Qu.:4.000
Max.    :1.0000   Max.    :5.000   Max.    :8.000
- boxplot(mtcars$mpg, col="green")
- hist(mtcars$mpg, col = "green") ## Plot 1
- hist(mtcars$mpg, col = "green", breaks = 25) ## Plot 2
- hist(mtcars$mpg, col = "green", breaks = 50) ## Plot 3
```
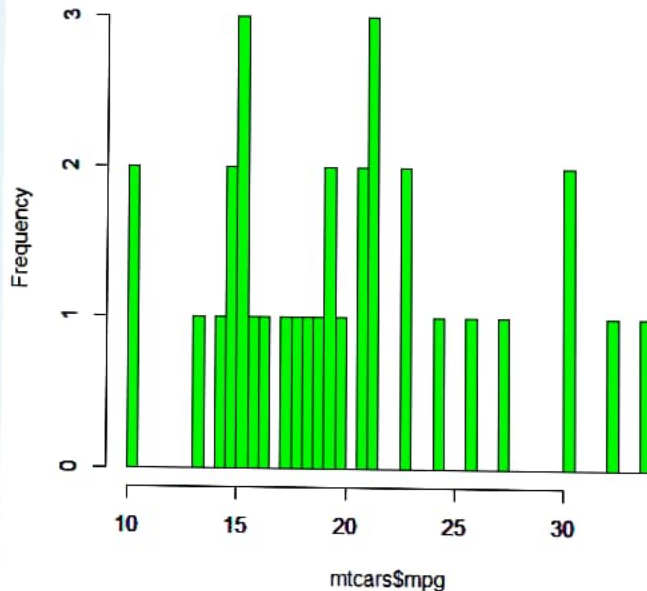

Histogram of mtcars$mpg

```
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  Natural language support but running in an English locale

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

[Previously saved workspace restored]

> rm(list = ls())
> data = c(1200,34567,3456,12,3456,0985,1211)
> summary(data)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
     12    1092    1211    6412    3456   34567
> log_scale = log(as.data.frame(data))
> scatter.smooth(x=cars$speed, y=cars$dist, main="Dist ~ Speed")  # scatterp
>
```
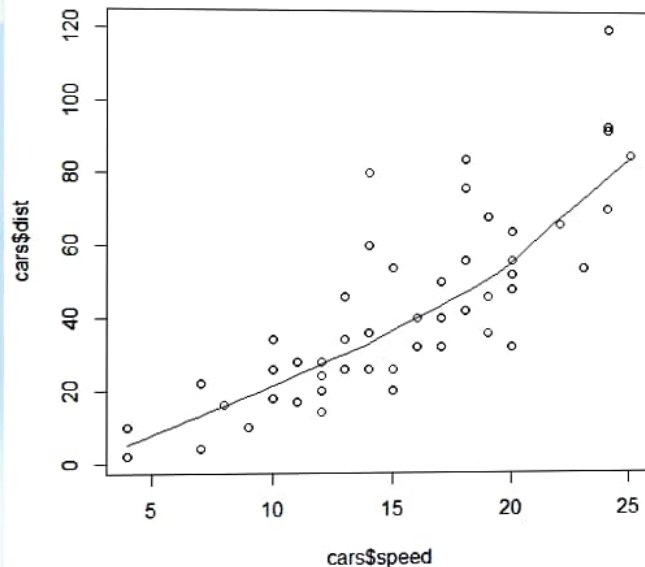
Dist ~ Speed

```
[Previously saved workspace restored]

> rm(list = ls())
> data = c(1200,34567,3456,12,3456,0985,1211)
> summary(data)
   Min. 1st Qu.  Median     Mean 3rd Qu.     Max.
     12    1092    1211     6412    3456    34567
> log_scale = log(as.data.frame(data))
> |
```

R Console

```
3rd Qu.:22.80   3rd Qu.:8.000   3rd Qu.:326.0   3rd Qu.:180.0
Max.   :33.90   Max.   :8.000   Max.   :472.0   Max.   :335.0
     drat             wt             qsec             vs
Min.   :2.760   Min.   :1.513   Min.   :14.50   Min.   :0.0000
1st Qu.:3.080   1st Qu.:2.581   1st Qu.:16.89   1st Qu.:0.0000
Median :3.695   Median :3.325   Median :17.71   Median :0.0000
Mean   :3.597   Mean   :3.217   Mean   :17.85   Mean   :0.4375
3rd Qu.:3.920   3rd Qu.:3.610   3rd Qu.:18.90   3rd Qu.:1.0000
Max.   :4.930   Max.   :5.424   Max.   :22.90   Max.   :1.0000
      am            gear             carb
Min.   :0.0000  Min.   :3.000   Min.   :1.000
1st Qu.:0.0000  1st Qu.:3.000   1st Qu.:2.000
Median :0.0000  Median :4.000   Median :2.000
Mean   :0.4062  Mean   :3.688   Mean   :2.812
3rd Qu.:1.0000  3rd Qu.:4.000   3rd Qu.:4.000
Max.   :1.0000  Max.   :5.000   Max.   :8.000
> boxplot(mtcars$mpg, col="green")
> hist(mtcars$mpg, col = "green") ## Plot 1
> hist(mtcars$mpg, col = "green", breaks = 25) ## Plot 2
> hist(mtcars$mpg, col = "green", breaks = 50) ## Plot 3
> barplot(table(mtcars$carb), col="green")
> boxplot(mpg~gear, data=mtcars, col = "green")
> |
```

R Graphics: Device 2 (ACTIVE)