Descriptive Statistics

# Descriptive Statistics

## 'data.frame': 32 obs. of 11 variables:  
## $ mpg : num 21 21 22.8 21.4 18.7 18.1 14.3 24.4 22.8 19.2 ...  
## $ cyl : num 6 6 4 6 8 6 8 4 4 6 ...  
## $ disp: num 160 160 108 258 360 ...  
## $ hp : num 110 110 93 110 175 105 245 62 95 123 ...  
## $ drat: num 3.9 3.9 3.85 3.08 3.15 2.76 3.21 3.69 3.92 3.92 ...  
## $ wt : num 2.62 2.88 2.32 3.21 3.44 ...  
## $ qsec: num 16.5 17 18.6 19.4 17 ...  
## $ vs : num 0 0 1 1 0 1 0 1 1 1 ...  
## $ am : num 1 1 1 0 0 0 0 0 0 0 ...  
## $ gear: num 4 4 4 3 3 3 3 4 4 4 ...  
## $ carb: num 4 4 1 1 2 1 4 2 2 4 ...

## Measures of central tendency

### Mean

data("mtcars")  
mean(mtcars$mpg)

## [1] 20.09062

### Meadin

The median is 19.2.

### Quartile

data("mtcars")  
quantile(mtcars$mpg)

## 0% 25% 50% 75% 100%   
## 10.400 15.425 19.200 22.800 33.900

## Measures of Dispersion

### Varience

data("mtcars")  
var(mtcars$mpg)

## [1] 36.3241

### Standard Deviation

data("mtcars")  
sd(mtcars$mpg)

## [1] 6.026948