03-AnalisisExploratorio

Resúmenes estadísticos

```
data <- read.csv("../data/tema2/auto-mpg.csv", header = TRUE,
                 stringsAsFactors =  FALSE)
data$cylinders <- factor(data$cylinders, levels = c(3,4,5,6,8),
                         labels = c("3C", "4C", "5C", "6C", "8C"))

str(data)
```

```
## 'data.frame':    398 obs. of  9 variables:
##  $ No          : int  1 2 3 4 5 6 7 8 9 10 ...
##  $ mpg         : num  28 19 36 28 21 23 15.5 32.9 16 13 ...
##  $ cylinders   : Factor w/ 5 levels "3C","4C","5C",..: 2 1 2 2 4 2 5 2 4 5 ...
##  $ displacement: num  140 70 107 97 199 115 304 119 250 318 ...
##  $ horsepower  : int  90 97 75 92 90 95 120 100 105 150 ...
##  $ weight      : int  2264 2330 2205 2288 2648 2694 3962 2615 3897 3755 ...
##  $ acceleration: num  15.5 13.5 14.5 17 15 15 13.9 14.8 18.5 14 ...
##  $ model_year  : int  71 72 82 72 70 75 76 81 75 76 ...
##  $ car_name    : chr  "chevrolet vega 2300" "mazda rx2 coupe" "honda accord" "datsun 510 (sw)" ...
```

```
summary(data)
```

```
##        No              mpg        cylinders  displacement     horsepower
##  Min.   :  1.0   Min.   : 9.00   3C:  4    Min.   : 68.0   Min.   : 46.0
##  1st Qu.:100.2   1st Qu.:17.50   4C:204    1st Qu.:104.2   1st Qu.: 76.0
##  Median :199.5   Median :23.00   5C:  3    Median :148.5   Median : 92.0
##  Mean   :199.5   Mean   :23.51   6C: 84    Mean   :193.4   Mean   :104.1
##  3rd Qu.:298.8   3rd Qu.:29.00   8C:103    3rd Qu.:262.0   3rd Qu.:125.0
##  Max.   :398.0   Max.   :46.60             Max.   :455.0   Max.   :230.0
##      weight      acceleration     model_year      car_name
##  Min.   :1613   Min.   : 8.00   Min.   :70.00   Length:398
##  1st Qu.:2224   1st Qu.:13.82   1st Qu.:73.00   Class :character
##  Median :2804   Median :15.50   Median :76.00   Mode  :character
##  Mean   :2970   Mean   :15.57   Mean   :76.01
##  3rd Qu.:3608   3rd Qu.:17.18   3rd Qu.:79.00
##  Max.   :5140   Max.   :24.80   Max.   :82.00
```