

Statins

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Contents

After loading the data, we note that we have ten total variables:

- X : ID number
- HT: Hormone Therapy/Placebo
- Age: Age of patient
- Smoking: Yes/No
- Drinkany: Yes/No
- Exercise: Yes/No
- Statins: Yes/No
- Diabetes: Yes/No
- BMI: BMI index
- LDL1: Level of LDL1 (low density lipoprotien - “good cholesterol”)

```
library(ggplot2)
```

```
## Warning: package 'ggplot2' was built under R version 3.4.4
```

```
hers <- read.csv("hersdata_1.csv")
```

```
summary(hers)
```

```
##           X                HT                age                smoking
## Min.      : 1.0 hormone therapy:1289 Min.      :44.00 no :2269
## 1st Qu.: 698.8 placebo          :1315 1st Qu.:62.00 yes: 335
## Median :1381.0
## Mean      :1383.4
## 3rd Qu.:2072.2
## Max.      :2763.0
## Max.      :79.00
## drinkany  exercise  statins  diabetes  BMI
##      :      2    no :1581    no :1641    no :1931 Min.      :15.49
## no :1568    yes:1023    yes: 963    yes: 673 1st Qu.:24.64
## yes:1034
## Median :27.79
## Mean      :28.58
## 3rd Qu.:31.69
## Max.      :54.13
##           LDL1
## Min.      : -20.0
## 1st Qu.:106.6
## Median :128.8
## Mean      :132.4
## 3rd Qu.:154.1
## Max.      :450.2
```