Boston housing

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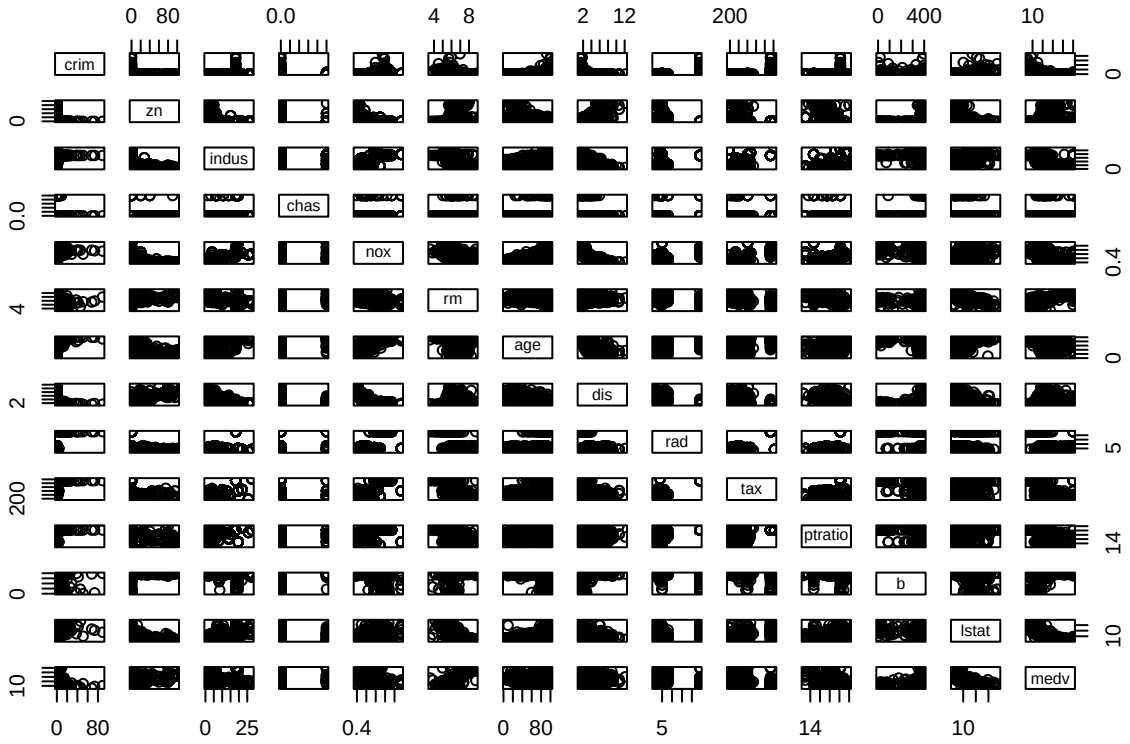
```
BostonHousing <- read.csv("./BostonHousing.csv")
head(BostonHousing)
```

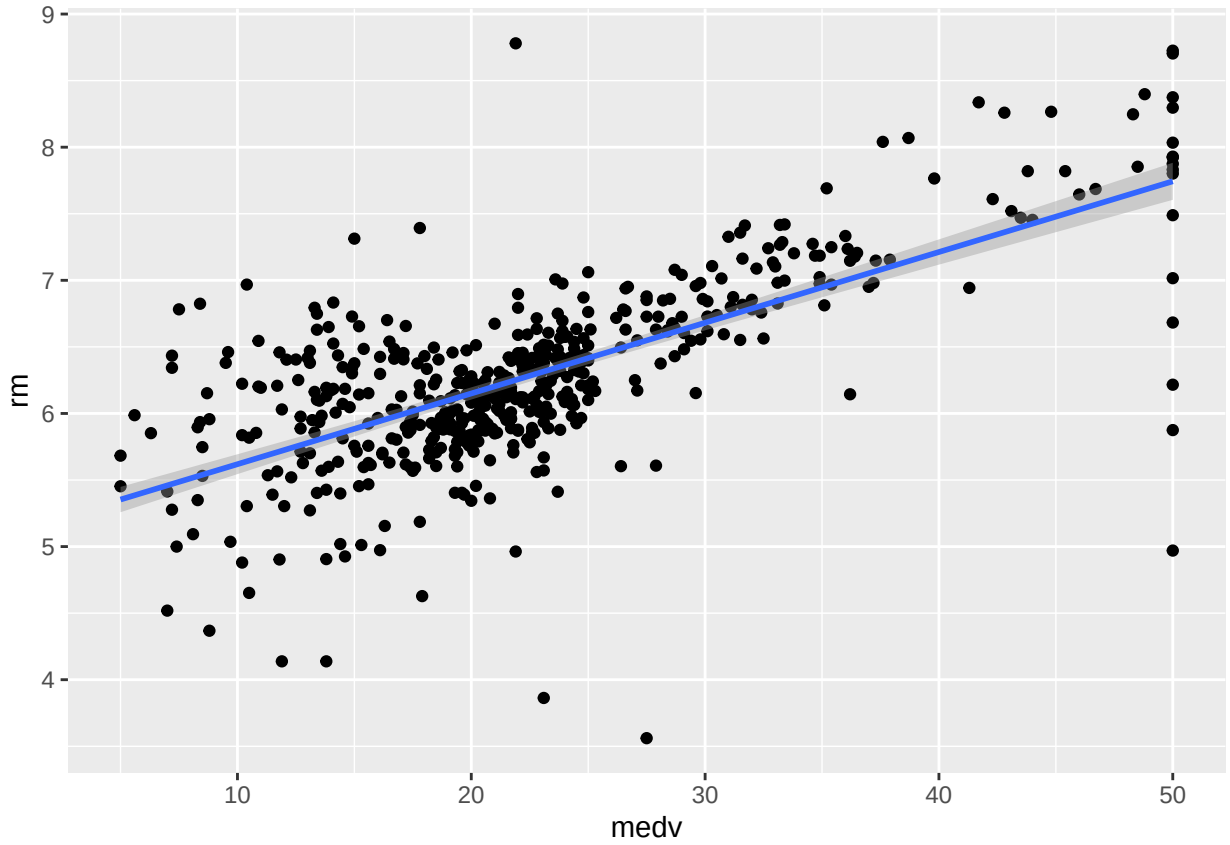
```
##      crim zn indus chas   nox    rm  age    dis rad tax ptratio      b lstat
## 1 0.00632 18  2.31    0 0.538 6.575 65.2 4.0900   1 296    15.3 396.90  4.98
## 2 0.02731  0  7.07    0 0.469 6.421 78.9 4.9671   2 242    17.8 396.90  9.14
## 3 0.02729  0  7.07    0 0.469 7.185 61.1 4.9671   2 242    17.8 392.83  4.03
## 4 0.03237  0  2.18    0 0.458 6.998 45.8 6.0622   3 222    18.7 394.63  2.94
## 5 0.06905  0  2.18    0 0.458 7.147 54.2 6.0622   3 222    18.7 396.90  5.33
## 6 0.02985  0  2.18    0 0.458 6.430 58.7 6.0622   3 222    18.7 394.12  5.21
##   medv
## 1 24.0
## 2 21.6
## 3 34.7
## 4 33.4
## 5 36.2
## 6 28.7
```

```
pairs(data=BostonHousing,
  ~ crim + zn + indus + chas + nox + rm + age + dis + rad + tax + ptratio + b + lstat + medv)
```




```
lin_reg <- lm(medv ~ rm, data=BostonHousing)
ggplot(data=BostonHousing, aes(x=medv, y=rm)) + geom_point() + geom_smooth(method="lm")
```

```
## `geom_smooth()` using formula = 'y ~ x'
```


9
8
7
6
5
4
rm
10
20
30
40
50
medv