Solutions to Practice Problems

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Exercise 1

##

1.513 2.581

3.325

3.217

3.610

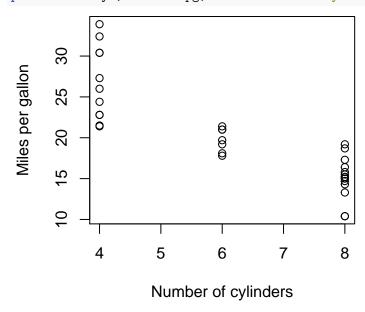
5.424

```
sum(1:1000)
## [1] 500500
Exercise 2
seq(3, 60, by = 3)
## [1] 3 6 9 12 15 18 21 24 27 30 33 36 39 42 45 48 51 54 57 60
Exercise 3
min(mtcars$wt)
## [1] 1.513
max(mtcars$wt)
## [1] 5.424
mean(mtcars$wt)
## [1] 3.21725
median(mtcars$wt)
## [1] 3.325
Or you can use summary() to compute all these at once:
summary(mtcars$wt)
##
     Min. 1st Qu. Median Mean 3rd Qu.
                                              Max.
```

Exercise 4

There is a negative association between the number of cylinders and miles per gallon (mpg). As the number of cylinders increases, the mpg of the car decreases.

plot(mtcars\$cyl, mtcars\$mpg, xlab="Number of cylinders", ylab="Miles per gallon")



Exericse 5

The Lotus Europa has the minimum weight. The Lincoln Continental has the maximum weight.