Module9

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Exercise 1 - Reading in an excel file with skipped lines.

```
#Use the optional range parameter of the read_excel function.
data1 = read_excel('Example_5.xls', sheet='RawData', 'A5:C36')
data1
```

```
## # A tibble: 31 x 3
##    Girth Height Volume
##    <dbl>  <dbl>  <dbl>
##  1   8.3     70   10.3
##  2   8.6     65   10.3
##  3   8.8     63   10.2
##  4  10.5     72   16.4
##  5  10.7     81   18.8
##  6  10.8     83   19.7
##  7  11       66   15.6
##  8  11       75   18.2
##  9  11.1     80   22.6
## 10  11.2     75   19.9
## # ... with 21 more rows
```

Exercise 2 - Reading in another excel spreadsheet and manipulating it.

```
data2 = read_excel('Example_3.xls', sheet='data')
```

```
## New names:
## * `` -> ...13
## * `` -> ...14
## * `` -> ...15
## * `` -> ...16
## * `` -> ...17
## * ...
```

```
#Drop the empty row by selecting only the row with a valid model. Also drop NA columns that linger.
data2 = data2[!is.na(data2$model), colSums(is.na(data2)) != nrow(data2)]
tail(data2)
```

```
## # A tibble: 6 x 12
##   model      mpg cyl   disp       hp    drat    wt  qsec vs       am  gear carb
##   <chr>    <dbl> <chr> <chr>   <dbl>   <dbl> <dbl> <dbl> <chr> <dbl> <dbl> <chr>
## 1 Lotus E~  30.4 4     95.099~   113  3.77e0  1.51  16.9 1         1     5 2
```

```
## 2 Ford Pa~  15.8 8     351       264  4.22e0  3.17  14.5 0         1     5 4
## 3 Ferrari~  19.7 6     145       175  3.62e0  2.77  15.5 0         1     5 6
## 4 Maserat~  15   8     301       335  3.54e0  3.57  14.6 0         1     5 8
## 5 Volvo 1~  21.4 4     121       109  4.11e0  2.78  18.6 1         1     4 2
## 6 Tesla M~  98   NA    NA        778 -1.00e4  4.94  10.4 NA        0     1 NA
```