

# Small program

*Steve Simon*

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This is a small program written in Rmarkdown to help you get started if you've never written an R program before.

```
R.version.string
```

```
## [1] "R version 3.6.1 (2019-07-05)"
```

```
Sys.Date()
```

```
## [1] "2020-01-29"
```

This program will read in data from an RData file after removing anything left over from previous programs. It will then list all the objects that you just read in, and provide information about one of those objects.

```
rm(list=ls()) # Use this with caution!
load("../dat/two-small-dataframes.RData")
ls()
```

```
## [1] "fd" "fn"
```

```
str(fd)
```

```
## 'data.frame': 252 obs. of 19 variables:
## $ case : int 1 2 3 4 5 6 7 8 9 10 ...
## $ fat.b : num 12.6 6.9 24.6 10.9 27.8 20.6 19 12.8 5.1 12 ...
## $ fat.s : num 12.3 6.1 25.3 10.4 28.7 20.9 19.2 12.4 4.1 11.7 ...
## $ dens : num 1.07 1.09 1.04 1.08 1.03 ...
## $ age : int 23 22 22 26 24 24 26 25 25 23 ...
## $ wt : num 154 173 154 185 184 ...
## $ ht : num 67.8 72.2 66.2 72.2 71.2 ...
## $ bmi : num 23.7 23.4 24.7 24.9 25.6 26.5 26.2 23.6 24.6 25.8 ...
## $ ffw : num 135 161 116 165 133 ...
## $ neck : num 36.2 38.5 34 37.4 34.4 39 36.4 37.8 38.1 42.1 ...
## $ chest : num 93.1 93.6 95.8 101.8 97.3 ...
## $ abdomen: num 85.2 83 87.9 86.4 100 94.4 90.7 88.5 82.5 88.6 ...
## $ hip : num 94.5 98.7 99.2 101.2 101.9 ...
## $ thigh : num 59 58.7 59.6 60.1 63.2 66 58.4 60 62.9 63.1 ...
## $ knee : num 37.3 37.3 38.9 37.3 42.2 42 38.3 39.4 38.3 41.7 ...
## $ ankle : num 21.9 23.4 24 22.8 24 25.6 22.9 23.2 23.8 25 ...
## $ biceps : num 32 30.5 28.8 32.4 32.2 35.7 31.9 30.5 35.9 35.6 ...
## $ forearm: num 27.4 28.9 25.2 29.4 27.7 30.6 27.8 29 31.1 30 ...
## $ wrist : num 17.1 18.2 16.6 18.2 17.7 18.8 17.7 18.8 18.2 19.2 ...
```

This is a very simple program, but if you can get this program to run, you will probably have smooth sailing for the rest of the class.