

Lab3

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```
download.file("http://www.openintro.org/stat/data/bdims.RData", destfile =
"bdims.RData")
load("bdims.RData")
```

First Few rows of data

```
head(bdims)
```

```
##    bia.di bii.di bit.di che.de che.di elb.di wri.di kne.di ank.di sho.gi
## 1    42.9   26.0   31.5   17.7   28.0   13.1   10.4   18.8   14.1  106.2
## 2    43.7   28.5   33.5   16.9   30.8   14.0   11.8   20.6   15.1  110.5
## 3    40.1   28.2   33.3   20.9   31.7   13.9   10.9   19.7   14.1  115.1
## 4    44.3   29.9   34.0   18.4   28.2   13.9   11.2   20.9   15.0  104.5
## 5    42.5   29.9   34.0   21.5   29.4   15.2   11.6   20.7   14.9  107.5
## 6    43.3   27.0   31.5   19.6   31.3   14.0   11.5   18.8   13.9  119.8
##    che.gi wai.gi nav.gi hip.gi thi.gi bic.gi for.gi kne.gi cal.gi ank.gi
## 1    89.5   71.5   74.5   93.5   51.5   32.5   26.0   34.5   36.5   23.5
## 2    97.0   79.0   86.5   94.8   51.5   34.4   28.0   36.5   37.5   24.5
## 3    97.5   83.2   82.9   95.0   57.3   33.4   28.8   37.0   37.3   21.9
## 4    97.0   77.8   78.8   94.0   53.0   31.0   26.2   37.0   34.8   23.0
## 5    97.5   80.0   82.5   98.5   55.4   32.0   28.4   37.7   38.6   24.4
## 6    99.9   82.5   80.1   95.3   57.5   33.0   28.0   36.6   36.1   23.5
##    wri.gi age  wgt   hgt sex
## 1    16.5   21  65.6 174.0   1
## 2    17.0   23  71.8 175.3   1
## 3    16.9   28  80.7 193.5   1
## 4    16.6   23  72.6 186.5   1
## 5    18.0   22  78.8 187.2   1
## 6    16.9   21  74.8 181.5   1
```

Two additional data set for male and female:

```
mdims <- subset(bdims, sex == 1)
fdims <- subset(bdims, sex == 0)
```

find additional data point of women heights:

```
fhgtmean <- mean(fdims$hgt)
fhgtstd  <- sd(fdims$hgt)
```