Homework 3

The first step is to read in the data.

```
dat<-read.csv("homework3.csv")
```

Next I'll check the structure of the data.

```
str(dat)
```

```
## 'data.frame':    100 obs. of  3 variables:
##  $ major       : Factor w/ 2 levels "business","psychology": 2 2 2 2 2 2 2 2 2 2 ...
##  $ year        : Factor w/ 4 levels "freshman","junior",..: 1 1 1 1 1 1 1 1 1 1 ...
##  $ conservatism: num  44.5 38.6 34.2 32.2 42.3 ...
```

Now I need to find the mean, median, and standard deviation of the conservatisim scores.

```
mean(dat$conservatism)
```

```
## [1] 52.29458
```

```
median(dat$conservatism)
```

```
## [1] 53.83231
```

```
sd(dat$conservatism)
```

```
## [1] 19.75757
```

Next, I need to find the mean level of support for conservative issues for freshman only.

```
mean(dat$conservatism[dat$year=="freshman"])
```

```
## [1] 47.50033
```

Finally, I need to find the mean level of support for conservative issues for sophomore business students.

```
mean(dat$conservatism[dat$major=="business" & dat$year=="sophomore"])
```

```
## [1] 61.60146
```