Homework 4

First we'll read in the data.

```
dat<-read.csv("homework4.csv")
```

Now we'll check the structure of the data.

```
str(dat)
```

```
## 'data.frame':    80 obs. of  2 variables:
##  $ condition: Factor w/ 2 levels "control","experimental": 2 1 2 1 2 1 2 1 2 1 ...
##  $ agreement: Factor w/ 2 levels "no","yes": 1 1 2 2 1 1 2 2 1 2 ...
```

Creating a table that shows how many people fell into each unique category of agreement and condition.

```
table(dat$agreement, dat$condition)
```

```
##
##       control experimental
##   no       20           14
##   yes      20           26
```

Now we'll run a Chi-square test to determine whether the experimental conditions and agreement for a statement are related.

```
chisq.test(dat$agreement, dat$condition)
```

```
##
##  Pearson's Chi-squared test with Yates' continuity correction
##
## data:  dat$agreement and dat$condition
## X-squared = 1.2788, df = 1, p-value = 0.2581
```

According to the results of the Chi-square test, the experimental manipulation didn't affect how much people agreed with the statement, X^2(1) = 1.2, p = .26.