Independent Samples t Test

Prior to the steps below, enter the data as appropriate for the analyses (described elsewhere). As always, the following commands should be typed directly in the R console window.

Obtaining Descriptive Statistics

Get the samples size, mean, and standard deviation for the dependent variable for each of the levels.

```
tapply(Outcome, Factor, function(x) c(length(x), mean(x), sd(x)))
```

Obtaining Inferential Statistics

Test the mean difference for statistical significance and get its confidence interval.

```
t.test(Outcome~Factor,var.equal=T)
```

Also, you can change the width of the confidence interval if desired.

```
t.test(Outcome~Factor,var.equal=T,conf.level=0.99)
```