Confidence Interval for a Mean

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 sample size, mean, and standard deviation for the variable.

```
length(Outcome)
mean(Outcome)
sd(Outcome)
```

Obtaining Inferential Statistics

Get the mean and its confidence interval.

```
t.test(Outcome)$conf.int
```

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

```
t.test(Outcome,conf.level=.99)$conf.int
```