

# Paired 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 sample sizes, means, and standard deviations for the variables.

```
lapply(PairedData, function(x) c(length(x), mean(x), sd(x)))
```

## Obtaining Inferential Statistics

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

```
t.test(Outcome1, Outcome2, paired=TRUE)
```

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

```
t.test(Outcome2, Outcome1, paired=TRUE, conf.level=.99)
```