Two and Multiple Sample Data

In the steps below, the commands should be typed directly into the R console window.

Entering Data

Enter the data in vectors that assign variable names. On the categorical Factor, you will use numbers to represent the categories (or "levels") of the variable.

```
Factor <- c(rep(1, 4), rep(2, 4))
Outcome <- c(0, 0, 3, 5, 4, 7, 4, 9)
```

Declare which variable is considered a Factor. In addition to specifying how many levels the factor has, you can provide labels for them.

```
Factor <- factor(Factor, levels=c(1, 2), labels=c("Level1", "Level2"))
```

Viewing Data

Create and display a data frame to view the data set.

```
IndependentData <- construct(Factor, Outcome)
IndependentData
```

Adding Data

If your data set has more than two groups, simply be sure to add a group indicator (a value on the "Factor" variable) and a "Outcome" for each additional person.

```
Factor <- c(rep(1, 4), rep(2, 4), rep(3, 4))
Outcome <- c(0, 0, 3, 5, 4, 7, 4, 9, 9, 6, 4, 9)
```

```
Factor <- factor(Factor, levels=c(1, 2, 3), labels=c("Level1", "Level2",
"Level3"))
```

```
OneWayData <- construct(Factor, Outcome)
OneWayData
```