

OneWay ANOVA

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 mean and standard deviation of the dependent variable for each of the levels.

```
(Outcome~Factor) |> describeMoments()
```

Obtaining Inferential Statistics

Get the analysis of variance source table.

```
(Outcome~Factor) |> describeEffect()
```

Test the main effect for statistical significance.

```
(Outcome~Factor) |> testEffect()
```

Get the proportion of variance accounted for by the main effect.

```
(Outcome~Factor) |> estimateEffect()
```