

Repeated Measures 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 sample sizes, means, and standard deviations for the variables.

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

Obtaining Inferential Statistics

Get the ANOVA source table with tests of statistical significance.

```
Results=aov(Outcome~factor(Factor)+Error(factor(Subject)))  
summary(Results)
```