By Subjects

```
> model <- aov_4(RT ~ Sentence * Context + (1 + Sentence * Context | Subject),
  data = DV, na.rm = TRUE)

> anova (model)
Anova Table (Type 3 tests)

Response: RT
                  num Df den Df    MSE      F        ges  Pr(>F)
Sentence               1     59 124547 0.6283 0.0016524 0.43114
Context                1     59  90195 3.1767 0.0060231 0.07984 .
Sentence:Context       1     59  93889 4.5967 0.0090449 0.03616 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
```

- The output contains the main effect of Sentence, the main effect of Context, and the interaction between the two. Associated with each are the dfs, the Mean Squared Error, the F ratio, the generalized eta-squared, and p-value. Note, you can ask for partial eta-squared as effect size measure too.

By Items

```
> model1 <- aov_4(RT ~ Sentence * Context + (1 + Sentence * Context | Item),
data = DV, na.rm = TRUE)

> anova (model1)
Anova Table (Type 3 tests)

Response: RT
                  num Df den Df    MSE      F        ges  Pr(>F)
Sentence              1     27 203164 0.1221 0.0012553 0.72951
Context               1     27  39844 4.0013 0.0080150 0.05561 .
Sentence:Context      1     27  40168 5.7687 0.0116070 0.02346 *
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
```

- With the same datafile and just by changing *one* word in the analysis code.