

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.