



The 3-way interaction suggests that the Word x Image interaction is different for Young vs. Old people (which is supported by what we see in the graph...)

To interpret this 3-way, we should examine the Word x Image interaction separately for Young and Old people...

We can do this by filtering our dataset:

```
> young_filter <- filter(data, Age == "Young")
> model_young <- aov_4(RT ~ Word * Image + (1 + Word * Image | Participant),
  young_filter)
> anova(model_young)
Anova Table (Type 3 tests)
```

Response: RT

	num	Df	den	Df	MSE	F	ges	Pr(>F)	
Word		1		15	681.87	25.1197	0.29236	0.0001547	***
Image		1		15	918.44	0.7574	0.01650	0.3978527	
Word:Image		1		15	560.77	138.1887	0.65146	5.725e-09	***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1



**Significant
interaction**