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:

Significant interaction

We need to follow this up with pairwise comparisons.

```
> emmeans (model young, pairwise ~ Word * Image, adjust = "Bonferroni")
$emmeans
                          SE
                                df lower.CL upper.CL
Word Image
              emmean
           741.3750 6.571636 57.69 728.2189 754.5311
     Pos
Pos
Neg Pos
           843.6875 6.571636 57.69 830.5314 856.8436
           804.3750 6.571636 57.69 791.2189 817.5311
Pos
     Nea
           767.5000 6.571636 57.69 754.3439 780.6561
Neg
     Neg
Confidence level used: 0.95
$contrasts
 contrast
                   estimate
                                    SE
                                         df t.ratio p.value
Pos, Pos - Neg, Pos -102.3125 8.812773 29.72 -11.610 <.0001
Pos, Pos - Pos, Neg
                   -63.0000 9.615140 28.34
                                            -6.552 <.0001
Pos, Pos - Neg, Neg -26.1250 10.000957 29.36
                                             -2.612
                                                     0.0842
Neg, Pos - Pos, Neg 39.3125 10.000957 29.36 3.931 0.0028
```

8.812773 29.72

P value adjustment: bonferroni method for 6 tests

Pos, Neg - Neg, Neg

36.8750

Neg, Pos - Neg, Neg 76.1875 9.615140 28.34 7.924

Key pairwise comparisons are significant

<.0001

0.0014

4.184