

PRDA: ANOVA INFORMATION

Degrees of Freedom:

The number of values in a sample that are free to vary in a calculation of a statistic

Calculation varies depending upon ANOVA design but some calculations remain the same no matter whether the design is one or two way, independent, repeated or mixed.

- df for an IV =
number of levels of IV – 1
- df for an interaction effect =
df for IV1 X df for IV2

Mean Square (MS) =
$$SS \div \text{relevant df}$$

(You get these numbers from the same ROW of the ANOVA summary table)

$$F = \frac{\text{MS treatment (IV or interaction)}}{\text{MS error}}$$