

Pick two variables, that I nor you have previously used, from my website or from an R package, run ANOVA on it, and describe your analysis. You need at least the following items in your write up:

1. The R code used to produce the analysis.
2. A description of the data – the variables, the origin of the data and the data set (such that I could find it and replicate your work).
3. An appropriate plot to display the data with respect to your analysis.
4. A statement about the validity of ANOVA via its assumptions, or a statement why you're not concerned about breaking one of the assumptions.
5. A formal hypothesis.
6. A formal conclusion in both Statistics and in English.
7. A confirmation that ANOVA's coefficients match group means.
8. An interpretation of a residual in context.