Assignment 2: How to handle blocking

In the paper "How to handle blocking", the first example describes the effect of the combination of the herbicide Rimsulfuron with different adjuvants.

Repeat the analyses in the adjuvants example, but now based on the research question: Does addition of any of the different adjuvants impact the height of the maize plants compared to using Rimsulfuron alone? Data can be found in the data set: Rimsulfuron.csv

The report should contain:

a) A short description of each of the seven analysis strategies described in the paper including the underlying assumptions and why/why not this would be an appropriate analysis strategy for this data set

b) For each of the seven described analysis strategies, an estimate of the mean height of the maize plants presented with a suitable measure of the associated uncertainty

c) For each of the seven analysis strategies, all relevant comparisons with a suitable measure of uncertainty.

d) A short discussion of the results from a data processing point of view

        Do the different analysis strategies result in different conclusions?

        Did the results (analysis-strategy-wise) match your expectations?

        Which model do you recommend to use?

e) R-code (with comments) as appendix