M2 B2AS Plant Breeding

Stats / LOVE’R course

Project Description 2022

Group project

* In pairs (groups of 2 or 3), select 2 papers which use linear regressions, ANOVAs and/or mixed models in their statistical analyses (we will go through these in class)
* Send the papers to me by Thursday, Nov. 10th (pablo.raguet@inrae.fr), I will choose 1 of those papers for you to prepare a critique
* On Thursday, Nov. 24th, give a 12min presentation and answer 5-10min of questions (T. Maxwell)

What to present

* Summarize the research aims and objectives of the paper: are they clear? Does the introduction give a good overview of the subject?
* Critique the methods and statistical analyses: are they sufficiently detailed? Are they appropriate for the research question?
* Explain the nature of the data (fixed vs. random factors, replications, etc.)
* Are the statistical tests appropriate? Why or why not?
* Are the results valid?
* How could you improve the paper?