RULES FOR THE CASE STUDY

Computer Science

* The aim of this work is the analysis of a real data set proposed by the student, applying the main statistical techniques studied during the course.
* Students must work in pairs, so that students in the same group will have the same grade.
* Regarding the real data set:
  + Dataset must be collected by the student or published by a reliable source.
  + An accurate simple size must be considered (number of observations >30)
  + Data set must contain a quantitative variable, which is the “main variable” or “variable of interest”, joint to other variables related to the main variable. It should be interesting to consider also a qualitative variable.
  + Time series are not allowed.
* The case study proposal must be sent to the professor during the week 4. You must complete and send the corresponding document available in Aula Global. Once the professor approves the proposal, the student can continue the work.
* The work will be presented in poster format, according to the template provided through Aula Global. You must submit the poster in pdf format.
  + A file with the R code used to analyze the data will also be delivered. R is the program that will be used in the practical classes, and the one that will serve as a reference for the interpretation of analyzes in the exams of the subject.
* The work will mean 20% of the continuous evaluation grade.
* Schedule:
  + WEEK 4: Dataset proposal
  + WEEK 5-6: Approval/Data rectification
  + WEEK 7-8: Descriptive analysis
  + WEEK 11: Distributions fitting
  + WEEK 12: Confidence intervals and hypothesis testing
  + WEEK 13: Multiple regression
  + SUBMISSION: December, 5th at 23:59 hours via AulaGlobal.