Some tips for the test exercises

Your final grade for this course will be determined by four **test exercises** (with equal weight). For each test exercise you should hand in a report. The report should present the answers to the test exercises in a clear, concise and accurate manner.

You should also attach the R-code that you have used to answer the questions. The R-code will only be looked at in case of surprising deviations in the report (for example, when it appears the student did everything correctly, but the answers do not match the correct answers).

You should send in a report that is your work and in your own words.

You are stimulated to use R Markdown to create the report. However, if you have problems with this you can also do it in word (and save as PDF, see below the notes about file format).

A good report would:
- Start with your name, test exercise number and date
- Demonstrate the appropriate statistical analyses for the problem at hand
  - Give a reason why you choose a certain test
  - Assumption testing (plots may be useful here)
  - Appropriate use of the test
- Report the results and test statistics correctly
  - Always report test statistic, degrees of freedom and p-value
  - Tables may be useful here (but make clear you convey that you understand the R-output if you paste some!)
- Make the appropriate statistical and biological interpretations of your results
- Take care to present the answer to the question as a logical and coherent story, so that it is immediately clear that you understand what you are doing

Don'ts:
- Don't start copy-pasting large amounts of R-output. Be selective. You can include specific R-code and key output, but again, be selective.

Document formats:
- Return the report in PDF format
- Return the R-code as a .R-file
- Name the PDF document as follows: "*FIRSTNAME_LASTNAME_TEn.PDF*" (where n equals 1 for the first test exercise, and ranges from 1 to 4). Do the same for the R-code, but then with a different extension ("*FIRSTNAME_LASTNAME_TEn.R*").
- Email to **both** ayco.tack@su.se and laura.vandijk@su.se

If you need to ask questions about the report there is a slot (check the course schedule, as the hours vary between the reports, but for the first test exercise the time will be between 13:00 and 15:00 the day after the test exercise is handed out) where the course assistant will be present to answer them. The deadline for the first, second and third report is 15:00 **sharp** (check the schedule for the deviating deadline for the 4th report).

GOOD LUCK!