

## BIOL 6305-0X Biometry: Project Expectations

**Notes:** you may cooperate with one another to learn how to use computers and software, but I will expect to see reports annotate and interpret computer output in your own words.

The “rules”/guidelines provided here account for a **10-15%** of the grade in each project. Thus, follow them to avoid unneeded point deductions. Also all projects **must** be complete to be considered for resubmission.

### *Output from SPSS:*

Must be annotated, which means you take own notes regarding the significance of all tests performed. **Do not just circle p-values and write significant.** You must be able to interpret the meaning of any outcome in regards to the variables that you are testing (e.g. indicates a difference among cages, partially-cages and no-cages treatments).

### *Methods:*

**Never** list materials as you write this section it will be evident what you used, make sure to provide enough detail for anyone to duplicate your experiment.

Include statistical methods used to analyze data, and required transformations when appropriate.

### *Results:*

In order to support your results, copy/paste **relevant** figures and tables. Bear in mind your annotated output is **not** your results, but do turn the annotated outcome as well within an appendix section at the end of the document. Also not everything that SPSS spits is relevant to this section. Always remember scientific journals do not publish excessive figures and tables.

Do not use statistical jargon (focus on the biology).

Provide means  $\pm$  standard errors (SE).

### *Figures and Tables:*

Figure captions **always** at the bottom of graphics (use Fig. not Graph).

Table captions **always** at the top of tables.

Avoid **excessive gridlines** in both.

Number figures and tables **sequentially**.

**Do not** include a title at the top of your figures because is redundant in a publication (note this might be different in a presentation, but remember you do not include caption there).

All included figures and tables must be cited in your results narrative. If you believe they are so important, then cite them!

I expect that the results are presented in a professional manner, if you have doubts search for published manuscripts to give you an idea of how this is done.

### *Additional Information:*

All documents **must** be typed in MS Word. Use a 12-point font size and double space.

Numbers 0-10 must be spelled out. Also spell out any number at the beginning of a sentence.

Species names must be in italics. Remember the genus is always in capital letter while the species in lowercase. Spell them out at the beginning of a sentence.

Avoid first person pronouns (I, you, we, etc.).

Avoid “sign post sentences”.

*Re-Do Policy:*

As stated in your syllabus. **No exceptions.**

A 10% deduction will be accrued daily for all late homework/projects.

All projects **must** be complete to be considered for resubmission. Thus, incomplete projects on the deadline are disqualified and the obtained grade will remain.

Corrected assignments can be turned in to receive full credit if done so by the next class meeting, except for the last homework/assignment of the semester because of academic calendar restrictions. You need to provide both the graded assignment<sup>1</sup> and the corrected one in a timely manner.

Assignments turned in late **cannot** be corrected.

Corrected assignments turned in after the next class meeting will **not be** considered.

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<sup>1</sup> Because of the current continuity plan derived from the COVID-19 pandemic, I'll be providing you a PDF of the graded work thus there won't be a need to turn it in with the corrected version; only the new version to be reconsidered.