

P8157: Analysis of Longitudinal Data (Fall 2019)
Project Guidelines
Due : December 6, Friday @ 5pm via Canvas

1. Please submit in PDF format electronically via Canvas/Courseworkds on or before 5pm on December 6, 2019 (via Canvas)
2. **No collaboration or discussion allowed with ANYONE (students in class, department, friends. Absolutely no one.).** You may refer to any number of books, manuals, papers etc. Cite the references if the information or methodology used is non-standard or was not covered in class.
3. **The report is NOT FOR ME.** You will be writing for someone with a reasonable statistical and scientific knowledge not necessarily in the analysis of longitudinal data or the topic the data set pertains to.
4. Articles / reports in applied statistics are read by a wide spectrum of researchers from the very technical to the non-statistical subject field expert. You should strive to strike a balance between “technical terms” and “layman terms”. Do not go overboard in either directions.
5. Double line spacing, Font Size ≥ 12 , Number of pages ≤ 12 excluding tables, figures, references (and appendix, see below), Single column, Normal Margins i.e. 1” margins.
6. Include an abstract in the beginning of the report (max 200 words)
7. Include an introduction section briefly describing the question of interest. A layperson should be able to get an idea of the topic you are trying to study.
8. Indicate details of the data. Summarize the data for the reader.
9. Clearly state the objectives of the study / analysis.
10. Describe the important parts of your analyses.
11. Be specific, clear, factual. Justify your actions.

12. Provide conclusions and implications : i) with subject-matter interpretation as possible, ii) that are properly qualified for the sceptical reader
13. Lay out any final models (with parameter estimate, standard errors, and confidence intervals as possible), in a neat tabular form and not just cut and paste from the software output.
14. Mention especially important points (eg. model limitations, unexpected results, suggestions for future studies.) **discussion**
15. Include important and formatted computer output and plots with proper labels and / or captions
16. Include a Summary/ Discussion .
17. Include a list of references if any.
18. Do not refer to the class notes or state “ as seen in class”. Remember you are not writing the report for me.
19. Provide an appendix with only those codes that are relevant to the plots/tables/analysis that appear in the report.(Do not provide the codes for all the models you tried). Provide a small comment as to what the code does for me to identify. This appendix is only for me to check. **Do NOT** refer to the codes in the appendix in your report.
20. In short, write a report as if you were submitting a manuscript for an applied journal.