ORLA 6641
Final

Presentation: Due Monday May 4 or May 11 in class (Date To Be Assigned)
Final Paper: Due Monday May 11 by 11:55pm on Canvas.

Paper:
In this final paper, you are to create a draft proposal for the AERA 2021 annual meeting in which you use the recommendations from the readings from throughout the course, both assigned and selected, as well as outside readings, and conduct a statistical analysis using the database and theories of your choice. The central method and research questions selected should focus on one of the following: 1) Survival or hazard modeling, 2) Hierarchical linear modelling, 3) Hierarchical growth modeling, 4) Latent class analysis.

As a means to provide you with the opportunity to create a high quality proposal for the premier educational research association annual meeting, you are expected to follow the recommendations and guidelines for proposals posted by AERA. Unfortunately, the call for proposals for 2021 will not be posted until late April, too late to be useful as a guide for this assignment. Thus, we will be relying on the AERA 2020 call for proposals as our central guide from AERA (there is a copy posted in the assignment page in Canvas).

In the paper component of this assignment, the structure of the paper will be as an AERA proposal, in which you present your findings using standard APA manuscript format generally consisting of abstract (150 words), literature review, research questions, methods, results, discussion, appendices (single spaced). The 2020 call for proposals states that the maximum word limit is 2000 words, excluding references tables, charts, graphs and figures. Please refer to the call for proposals for further information on order and structure of the proposal. Additionally, example past proposals from Bowers as well as past students in this course are provided in the assignment folder to help guide your planning.

Note that while the final can build on your midterm, the final analysis and paper must be substantively different. Thus, if you choose to build on an HLM or discrete-time hazard model from the midterm, then you would want to test more data, or use more complex model, perhaps with additional variables and/or interaction effects.

For the purposes of this course, the appendix of the proposal should include all necessary tables and figures to provide a comprehensive assessment of the project. These should include:

A) A table of descriptive statistics
B) The equation or equations used as the central model tested
C) A table of fit statistics for the model (can be included in results tables)
D) Table(s) of results
E) At least one figure that presents the main findings and that follow the recommendations on the visual display of quantitative information discussed in class.

Presentation:

On the final days of class, you will present a 10-12 minute presentation formatted using a standard scientific presentation, followed by a few minutes of questions from the class. This presentation will take the form of a presentation that would be suitable for AERA given the proposal paper above. Please use the following slide template and follow the recommendations of the readings in the course on presenting statistical information in a visual format. Please note that for this presentation, you will be held to a strict time limit, and you will be stopped at the time limit. If you have not presented all of the components of the presentation and your study, your presentation will be deemed as an incomplete submission. Thus, please make sure to practice and be within the time limit.

1. Title
2. Purpose
3. Background & lit review
4. Research questions
5. Sample
6. Method – Include the Model or Equation
7. Findings
8. Findings
9. Findings
10. Conclusions and Future Directions

Notes:

Please note, that in addition to the recommendations from the readings for class as well as our discussions in class, for the presentation and the paper we will use the standard AERA criteria rubric for proposals that AERA reviewers use, which include the following questions on a 1 to 5 scale, with 1 being "inadequate" and 5 being "excellent".

- Objectives or purposes
- Perspective(s) or theoretical framework
- Methods, techniques, or modes of inquiry
- Data sources, evidence, objects or materials
- Results and/or substantiated conclusions or warrants for arguments/points of view
- Scientific or scholarly significance of the study or work

ORLA 6641 Presentation: Name:_____

Presentation style:

- ☐ Finished within time limit:
- ☐ No more than 12 slides
- ☐ About 20 words per slide:
- ☐ No PowerPoint fluff:
- ☐ Good flow:
- ☐ Handout:
- ☐ Equations, Statistics & Power:
- ☐ Figures & Tables:
- ☐ Effect size, variance explained, & p-values:
- ☐ No notes, no reading slides & good transitions:
- ☐ Asked a question of the others.

Presentation format:

- ☐ Background and Purpose:
- ☐ Lit Review:
- ☐ Research question:
- ☐ Sample, Method and Equation:
- ☐ Findings:
- ☐ Findings:
- ☐ Findings:
- ☐ Findings:
- ☐ Conclusions & recommendations:

Presentation content and significance:

- ☐ Objectives or purposes
- ☐ Perspective(s) or theoretical framework
- ☐ Methods, techniques, or modes of inquiry
- ☐ Data sources, evidence, objects or materials
- ☐ Results and/or substantiated conclusions or warrants for arguments/points of view
- ☐ Scientific or scholarly significance of the study or work

Notes: