

Final Project Proposal Assignment

Due Sunday 10/28/24 by midnight. No late work will be accepted, assignment is required to pass the class.

Learning outcomes:

The goal of this assignment is to familiarize you with scientific proposal structure and writing process, get you planning for your final project, and have you gain familiarity in integrating Zotero, python output and text editors. In life, proposals have hard deadlines. This assignment has a hard deadline, and late work will not be accepted.

Assignment:

In Word or the LaTeX editor of your choice, write a short, 2–4 page research proposal, including: abstract, background, why it's important, what your hypothesis is, what analysis you plan to do, what the broader impacts are, and a timeline for completion. (Broader impacts: How can this information be used? Why do we care? Impact for society...) Two figures (at least one that you created, i.e. preliminary results) and five references (using Zotero or similar) are required for grad students. Put the most energy into thinking and writing about what your planned analysis is, how it will answer your research questions, and how you will accomplish this with the time you have. DO NOT PUT TOO MUCH TIME OR TEXT INTO THE BACKGROUND; it is suggested you write this last.

You will also give a short class presentation to get feedback on your proposed research on 10/29.

Save this as a pdf and load into github as final_proposal_yourname.pdf. Include a .zip file of all of your overleaf source files or a screenshot of your bibliography manager if using word.

As per the syllabus timely and satisfactory completion of this assignment is needed to pass the class. Late submissions will not be accepted except in extreme circumstances and with prior approval and may result in an incomplete or failing grade given in the course.

Assignment Checklist

Name of Student:

1. Has abstract
2. Has background/introduction
3. Has at least two figures
4. Has at least five references
5. Methods are clear and thought out
 - a. Research questions are well stated
 - b. Clear proposal for what methods will be used
 - c. Proposed methods relate to research questions
6. Timeline is reasonable and thought out
 - a. Timeline exists
 - b. Timeline makes sense
7. Writing is reasonably decent: complete sentences, no missing words

Notes: