MARS 5370/4370

Introduction to Scientific Computing Spring 2021

Final Project Proposal

**Assignment**

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 LaTeX.

Assignment:

In Overleaf or the LaTeX editor of your choice, write a short (2-3 page) research proposal, including: abstract, background, why it’s important, what your research questions are, what analysis you plan to do, what the broader impacts\* are, and a timeline for completion. At least one figure and three references (using a .bib file) are required. 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.

Load this into github as final\_proposal\_yourname.pdf. Include a .zip file of all of your overleaf source files.

As per the syllabus satisfactory completion of the final proposal is required to pass the class.

**Assignment Checklist**

Name of Student:

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

Notes: