MARS 5370/4370 Spring 2021

Introduction to Scientific Computing

**Project Proposal Checklist Rubric**

Name of Student:

**Assignment**

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.

In Word 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 or table you created (preliminary analysis), and three references (using Zotero or similar) 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. DO NOT PUT TOO MUCH TIME OR TEXT INTO THE BACKGROUND; it is suggested you write this last.

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.

**Checklist:**

1. Has abstract [ ]
2. Has background/introduction [ ]
3. Has at least one figure [ ]
4. Has at least three citations made using Zotero or similar [ ]
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:

Passing: Y / N