

STAT 215B Project Proposal (Due March 3, 2026)

The purpose of the proposal is to clearly state what you are planning to study, why it's an interesting question, and what resources and methods you plan to use to tackle the problem. The goal is to get early feedback on scope, feasibility, and statistical approach.

As stated in the syllabus, you will complete a final project in groups of two.*. The project can take one of two forms:

- **Replication and re-analysis:** replicate and re-analyze the results of an academic paper whose original datasets (or similar datasets) are publicly available.
- **Novel applied data analysis:** propose an applied research question using a publicly available dataset (e.g., one from an academic paper)

Your proposal should be around **2–4 pages (excluding references)** and include the following:

- Clear project title and group members' names
- **Introduction / background:** introduce your topic or paper within its broader context and clearly state your intended research question.
 - For replication: state precisely what parts of the paper's findings or conclusions you plan to replicate
 - For applied analysis: describe the relevance of your intended work in more detail.
- **Project plan:**
 - Data description
 - Statistical methods you plan to use
 - Evaluation / critique / extension planned (for replication projects)
- **Timeline and feasibility discussion**
 - Order in which you plan to complete the work
 - How you plan to divide up tasks
 - Anticipated challenges or bottlenecks
- References

Although the proposal does not need to be completely perfect or fully specified, it should address all the points above clearly, be organized, and use full sentences.

Please submit your completed proposal on Gradescope by March 3

*There will be one group of 3 or one singleton group. This will be approved on a first-come first-served basis, so if you really want to work in a group of 3 or by yourself, send a note to Nico & Amanda ASAP.