MATH 340 · UNIVERSITY OF SAN FRANCISCO

Project Proposal

Due Monday, November 2

Your proposal is a chance to settle on a direction and get help early, while it is still easy to change course. Write a proposal that covers each of the following.

1. **Your topic.** What have you chosen to work on, and why? If it comes from the Project Ideas, say which one. If you are proposing your own topic, describe it.
2. **How it connects to differential equations.** What differential equations appear in your topic? What do they describe, and where do they come from?
3. **What you plan to do.** What will you actually *do* in your project? You might derive a model, solve or analyze an equation, run simulations in Python, compare a model with data, or explain a result you have read about. If you are not yet sure what will be possible, tell me what you hope to do.
4. **Your sources so far.** List the books, articles, websites, or datasets you have found, with a sentence on what each one covers. It is fine if this list is still short.
5. **What you want help with.** What would be most useful from me right now? Try things on your own first, and then be specific about what you need. Don't just ask for help finding resources: explain what you have looked for, what you have found, and what wasn't helpful or what you are still missing.