

STAT 287 Final Project Check-In 3

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1.1

Major activities/milestones planned for this week (in the timeline that you had going into the start of the week).

1. Exploratory data analysis and visualization – 1 week (deliverable: interpretable images)

1.2

Major activities/milestones accomplished this week (note: this may or may not actually be what was stated in 1a – that's okay, as long as you're making progress and learning!).

Progress compared to original timeline:

1. If you let the word "exploratory" do a lot of heavy lifting, then we did some EDA and visualization... more accurately, we tried to figure out if our plan for analysis fundamentally made sense, panicked that it didn't, consulted with resources, and revised that plan based on their input.

Important meetings: we talked to each other, Jane Adams, Juniper Lovato, and Nick Cheney. (More talking than heads-down coding this week, as sort-of messily aggregated in [this long thread](#).)

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2.1

Open challenges and questions (including what – if anything – are the challenges that Ethan or I can help provide feedback or pointers on?)

We're not currently stuck on anything - we were during the week, but at this point we're unstuck - but next week we really need to get going on the visualizations and analysis. We flipped around part of our timeline below to give us more time to work on that.

2.2

Major changes to research plan (if any, based on what you've learned or accomplished thus far, and the unexpected challenges you've faced this week)

We realized we need a "masterlist" definition of indices as well as tropes, which we did not anticipate, so that puts us behind schedule slightly - our "exploratory data analysis and visualization" this week was very much on the exploratory side, and more about how to approach the visualizations given the network size than actually making the visualizations. We hit a snag earlier in the week when we wondered if it was even reasonable for us to ignore the "Works" section of the website, as we had so far (eventual conclusion is that we will ignore that section for now, but address it in the write-up as potential future work).

3 Revised anticipated timeline

1. Setting up Github, etc., to begin work – 2 hours (deliverable: being able to push and pull from Github)
 2. Downloading or otherwise preparing a data set for use – 2 hours (deliverable: having a reasonable looking file)
 3. Parsing the data to find structural information – this could be arbitrarily hard, so generous time should be allotted – 1 week (deliverable: data frames, vectors, or CSV)
 4. *Check progress to see if project idea should be abandoned*
 5. Organizing and cleaning the information I've extracted – 1 week (deliverable: vectors, matrices, or other refined structure)
 6. *Check progress to see if project idea should be abandoned; last chance*
 7. Realize something actually makes no sense or wasn't doing what you thought – 1 week (deliverable: a fixed version of whatever needs fixing)
 8. Exploratory data analysis and visualization – 1 week (deliverable: interpretable images)
 9. Writing up results – 3 days (deliverable: report in at least outline form)
 10. Creating "birth certificate" summary of project [Eli20] – 1 day (deliverable: neat summary)
 11. Audit for transparency, ethics, etc. – 2 days (deliverable: action items or approval)
 12. Refining visualizations – 3 days
 13. Refining write-up – 3 days (deliverable: a polished report)
 14. Making presentation – 2 days (deliverable: a presentation)
 15. Donating money to (1) a social justice cause and (2) an environmental cause¹ – 1 hour (deliverable: receipts)
- Total estimate: \approx 6 weeks and 1 half day \approx 6 weeks (I got the 6 weeks total from looking at the course schedule on Blackboard).

¹We have the resources and opportunity to complete this project due to luck and privileges granted by society, some of which come at the cost of other people and the environment. Therefore some remuneration is within the scope of this project.