

**QTM-340: Data Science with Text**  
**Homework 5: Project Proposal**  
**Due Thursday, 10/29 4:20 PM via Canvas**

A key aspect of any (good) major research project is to begin with a clear sense of your research question, your rationale for undertaking your research, the related work on the subject, the data and methods you intend to employ, how you plan to present the results, and a proposed timeline for completion. As such, your next assignment is to **create a project proposal document that addresses each of these areas.**

Your proposal should contain the following elements/sections:

- **Provisional project title**
- **List of team members**
- **Statement of research question**
  - This should be as specific as possible, and as such, can be short!
- **Project overview**
  - 1 or more paragraphs
  - Think of this as providing the *rationale* for your research
  - Explain **both** the intellectual motivation for your project **and** why it will matter / what it can contribute once completed
- **Summary of related work**
  - 1 or more paragraphs
  - Describe at least 3 related projects
  - For each, identify **both** how your project relates **and** how it differs
- **Proposed dataset**
  - A sentence to a paragraph
  - Describe the data you intend to employ
- **Proposed methods**
  - 1 or more paragraphs
  - Describe the methods you intend to employ
- **Proposed presentation format**
  - 1 or more paragraphs
  - Describe how you plan to present your results (research paper, website, other)
- **Proposed timeline**
  - Provide a week-by-week schedule for accomplishing the proposed research and, if applicable, specify who in the group will do what
  - This must include a plan for a preliminary test of your method, or one of (the most basic of) your methods, by 11/10
    - You do not need a perfectly clean, final version of your data; just clean enough, or a clean subset, to do the test

**Submission details:**

Your homework should consist of any sort of text document (Word, PDF, plain text) with each of the sections described above. Upload your document to Canvas by the date specified above.