Project Proposal

Question/need:

- What is the framing question of your analysis, or the purpose of the model/system you plan to build?

  The purpose of this project is to obtain data from NY Times API and store it in MongoDB, explore and analyze the data (with some NLP), and ultimately create an app to pull the top news stories of the day.

- Who benefits from exploring this question or building this model/system?

  News outlets and news aggregation apps like Apple news and Facebook news. Also, journalists/news bloggers could benefit from the data exploration to help them with topics that they could write about.

Data Description:

- What dataset(s) do you plan to use, and how will you obtain the data?

  I plan on using data obtained through New York Times API.

- What is an individual sample/unit of analysis in this project? What characteristics/features do you expect to work with?

  An individual sample of analysis in this project would be a news article. Some features that I expect to work with are publication dates, categories, writers, headlines, and abstracts of articles (NLP).

Tools:

- How do you intend to meet the tools requirement of the project?

  I intend to store my data in MongoDB database and use Streamlit for app deployment.

- Are you planning in advance to need or use additional tools beyond those required?

I will use NLP for data exploration/topic modeling and I might use Plotly for visualizations.

MVP Goal:

- What would a [minimum viable product (MVP)](#) look like for this project?

A MVP for this project should have EDA visualizations and/or topics from NLP.