Project Proposal

Question/need:

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

What factors contribute to a high rating for a television show?

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

Producers who want to figure out what show to make next.

Data Description:

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

I plan to use the data on IMDB website. I will obtain the data by web scraping.

- 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 one TV show. The features I plan to work with are runtime, number of episodes, year released, cast, genre, certificate, number of reviews, country, plot keywords, awards, and television network.

- If modeling, what will you predict as your target?

The target will be the shows' rating.

Tools:

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

I intend on using Beautiful Soup for web scraping.

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

Depending on how much time I have, I will try to learn Plotly or Bokeh.

MVP Goal:

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

For this project, a MVP should include a heatmap of correlations, a baseline linear regression plot, and initial conclusions.