Capstone Three: Project Proposal

Project Steps

Time Estimation: 2-4 Hours

Finalize one of your capstone ideas based on the feedback you've received and discussions you've had with your mentor. Consider how the methods you apply in this capstone will significantly enhance your data science portfolio, not only will you showcase the fundamentals of a data science project, but you will demonstrate your understanding of applying this more advanced machine learning methods, such as time-series or NLP. Create a Google Doc and use the steps you learned in the Problem Identification unit to develop answers to each of the bullets listed below:

Problem Identification

- Problem statement formation
- Context
- Criteria for success
- Scope of solution space
- Constraints
- Stakeholders
- Data sources

Here are some questions to consider to help you get started:

- What is the problem you want to solve?

- Who is your client and why do they care about this problem? In other words, what will your client do or decide based on your analysis?
- What data are you using? How will you acquire the data?
- Briefly outline how you'll solve this problem. Your approach may change later, but this is a good first step to get you thinking about a method and solution.
- What are your deliverables? Typically, this includes code, a paper, or a slide deck.