



Data Science Career Track

Capstone Three Step 1: Project Proposal

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, by demonstrating how to build an end-to-end data science pipeline in the context of addressing concrete business problems.

Use the Problem Statement Worksheet [template](#) and the steps below to help you think through your project more thoroughly:

- 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.