Data Scientist Exercise

This assignment is designed to let you share your knowledge, experience, and Data Science process with the interview team. There is no one correct answer. We want to understand how you think about data and product challenges and work toward solving them. We recognize that your time is valuable and this is not meant to be a drain on your time. Please do not spend more than 2 hours thinking about and responding to the scenarios below. Your responses can be in whatever format you like.

Scenario 1:

You have been tasked with designing and building an executive dashboard that displays data about key business and product metrics. Describe the process you would use to understand the needs of the users of the dashboard. Create a low-fidelity mockup of how you would present the information to users.

Scenario 2:

A Product Manager has asked you to pull some ad-hoc data into a report that they can use in a presentation for a key customer. The request from the Product Manager is vague about the specific requirements and has an aggressive time-table that would negatively affect your other commitments. Describe how you would handle this situation.

Scenario 3:

The Chief Product Officer has asked you to lead an initiative to revamp the reporting and data platform for the entire company. You have been given a blank check to create whatever you think the company needs. How would you tackle this request? Who else would you pull into the project?

Scenario 4:

For this scenario, we'd like to get a sense of how you'd explore a sample data set that you are not familiar with and make recommendations on how to use it to either inform product decisions or provide insights to customers. The data set is 1 day's worth of drive-thru data from one of our Computer Vision customers. The objective is to review and analyze the data and surface anything you think could be interesting or valuable to investigate further. You can be as detailed as you'd like, use whatever format is most comfortable to you, and make any assumptions you feel are appropriate (please document assumptions in your response). You should also identify any requests or questions you would ask that would help you better utilize the data.