Hello Student,

This Google Drive contains 1 data file (csv), screenshots and assignment questions and instructions.
https://drive.google.com/drive/folders/19NZaww0Pe9ChzDM_TW-tAaxBjOdL6M8L?usp=sharing

Data
1. data.json

Backend Tasks:
You need to do the following:
1. Read the data JSON file
2. Organize the data based on how you are planning to implement in the front end
3. Send the data as a API response
4. Make all the calculations necessary to display in the UI in the backend itself.
    a. Ex: Qualify value / Suspect value = 75% which you need to display between two green bars
    b. Ex: Won Value / Suspect value = rounding_off_nearest(12.5) = 13% which you will display right side of the green bar

Frontend Task
1. Consume the API you have created
2. Use Material UI to create a card.
3. Use d3.js library to visualize the data as shown in the screenshots
4. You will also need to do responsive design for normal desktop / laptop, mobile and 4K resolutions (all the screenshots are provided)

Programming Language:
● TypeScript/JavaScript for backend
● ReactJS for Frontend (good to use Redux, Functional Components)
● Final submission to be done in github repo.
● Add a screenshot of the frontend along with repo.
● Please add as much comments in the code as possible, it will help us evaluate better

Submission time:
Tuesday 16 April 2025, End-of-day