

AI for Everyone

Assignment

Scenario: You are a data scientist at a company that sells athletic shoes online. The company wants to improve their product recommendations to customers.

Instructions:

1. AI Terminology (2 points each)

- Briefly define the following AI terms:
 - Supervised Learning
 - Feature Engineering

2. Workflow of Machine Learning Projects (3 points each)

- Describe two main steps involved in training a machine learning model for recommending shoes.
- Briefly explain the purpose of model evaluation in this scenario.

3. Workflow of Data Science Projects (3 points each)

- Identify two types of data you might use to train the recommendation model.
- Briefly describe one technique you might use to visualize the data to understand customer preferences.

4. AI Strategy (4 points)

- Briefly explain how an AI strategy could be used to guide the development of this shoe recommendation system.

Grading Rubric:

- Answers will be graded based on clarity, accuracy, and comprehensiveness.
- Partial credit will be given for partially correct answers.

Bonus (2 points):

- Briefly discuss a potential ethical consideration when developing a recommendation system.

This assignment allows students to demonstrate a basic understanding of the key concepts while applying them to a relatable scenario.