

CS381 Data Analytic Quiz 4

Instruction: For multiple choice questions, clearly circle one of the choice; for all other questions, write your answer right below the questions. All questions carry the same weights.

Name:

Question 1: Answer the following questions based on the following results from a classification model

Show your work

n= 100	Predicted: NO	Predicted: YES
Actual: NO	TN 25	FP 7
Actual: YES	FN 8	TP 60

- A. Calculate the Precision: $TP/(TP+FP) = 60/67 \approx .896$
- B. Calculate the Recall: $tp/(tp+fn) = 60/68 \approx .882$
- C. Calculate the True Positive Rate: $tp/(tp+fn) = 60/68 \approx .882$
- D. Calculate the False Positive Rate: $FP / (FP + TN) = 7/32 \approx .219$