Quiz 4 (Remotely Proctored)

Due Sep 28 at 10am   **Points** 105   **Questions** 5

Available after Sep 23 at 1pm   **Time Limit** 25 Minutes

Exam Requirements A webcam and microphone are required to take this exam.

Exam Security This exam will be monitored by **Proctorio**. **Learn more about Proctorio (https://proctorio.zendesk.com/hc/articles/200972514)** .

Instructions

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	11 minutes	105 out of 105

⚠ Correct answers are hidden.

Score for this quiz: **105** out of 105

Submitted Sep 28 at 9:39am

This attempt took 11 minutes.

Question 1   25 / 25 pts

What test does RIPPER choose for the first rule for the class No for the data below? Keep track of the Foil Gain for the next question.

WeatherDatanom.pdf 📄

   ◯   windy=false

   ⦿   humidity = high

   ◯   outlook=rainy

○ outlook =sunny

Incorrect

Question 2

25 / 25 pts

What was Foil Gain for the first question?

2.71

2.7123

Question 3

25 / 25 pts

A decision tree might evaluate less attributes/features than Naive Bayes when testing.

◉ True

○ False

Question 4

25 / 25 pts

A five item set can be used to generate

○ 32 rules

● 31 rules

○ none of these

○ a number of rules depending on the externally chosen class

Question 5   **5 / 5 pts**

Linear regression

○ uses kernels to generate a number

● creates a numeric answer with a linear combination of features

○ classifies with a linear combination of attributes

○ can only be solved with information gain

Quiz Score: **105** out of 105