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8.3 Review Questions

8.3.R1

1/1 point (graded)

You have a bag of marbles with 64 red marbles and 36 blue marbles.

What is the value of the Gini Index for that bag? Give your answer to the nearest hundredth:

✓ Answer: .461

0.4608

Explanation

Using the formula from pgs 25-26:

Gini Index = $.64*(1-.64) + .36*(1-.36) = .4608$

Submit

Answers are displayed within the problem

8.3.R2

1/1 point (graded)

What is the value of the Cross-Entropy? Give your answer to the nearest hundredth (using log base e, as in R):

✓ Answer: .653

0.653

Explanation

Cross Entropy = $-.64 \cdot \ln(.64) - .36 \cdot \ln(.36) = .6534$

Submit

i Answers are displayed within the problem

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