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- Unit 0: Overview
- Entrance Survey
- Unit 1: Probability models and axioms

Lec. 1: Probability models and axioms
Exercises 1 due Jan 26, 2017 20:59 ART

Mathematical background: Sets; sequences, limits, and series; (un)countable sets.

Solved problems

Problem Set 1
Problem Set 1 due Jan 26, 2017 20:59 ART

- Unit 2: Conditioning and independence

Problem 3 Vertical: Three tosses of a fair coin

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Problem 3: Three tosses of a fair coin

4/4 points (graded)

You flip a fair coin (i.e., the probability of obtaining Heads is $1/2$) three times. Assume that all sequences of coin flip results, of length 3, are equally likely. Determine the probability of each of the following events.

1. $\{HHH\}$: 3 Heads

0.125 ✔

2. $\{HTH\}$: the sequence Heads, Tails, Heads

0.125 ✔

3. Any sequence with 2 Heads and 1 Tails (in any order):

0.375 ✔

4. Any sequence in which the number of Heads is greater than or equal to the number of Tails:

0.5 ✔

Submit You have used 2 of 2 attempts

✔ Correct (4/4 points)

DISCUSSION

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Discussion

Topic: Unit 1/Problem Set 1 / Three tosses of a fair coin

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question posted 8 days ago by **saif_7557**

we have to write the answer in decimal or fraction?

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PorfiryZabuldygin

8 days ago - marked as answer 6 days ago by **saif_7557**

Not sure about decimal but fraction in a/b format is good.

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