

CIT 5920 — Lecture 9: Introduction to Discrete Probability

01 - 01 Oct 2024



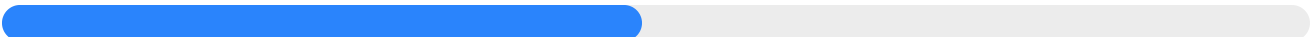
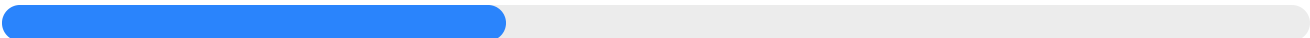
Poll results

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- What would you like to do today? And in what order?
- Quiz: Probability Comfort Level

What would you like to do today? And in what order?

0 2 8

1. More examples on tricky combinatorics
 2.54
2. Deep dive on Stars and Bars variations
 2.39
3. Quick quiz on Tricky Combinatorics?
 1.89
4. New topic: Introduction to Probability
 1.46

Quiz: Probability Comfort Level (1/2)

036

What is your comfort level with discrete probabilities?

I don't have a clue



I have a sense of what this is / I have heard of the concepts before



I have learned some of this at some point in my education



I am fairly familiar with these concepts



I am very confident



Quiz: Probability Comfort Level (2/2)

020

If you throw two, distinguishable fair, 6-sided dice, what is the probability that the sum of the two dices is 7?

- $1/6$
- $1/6$
- $1/6$
- $1/6$
- $1/6$
- $1/6$
- $1/6$
- $1/2$
- $1/6$
- $3/18 = 1/6$
- $4/18$
- $1/6$
- $1/3$
- $1/6$
- $1/6$
- $1/6$
- $1/6$
- $6/36 = 1/6$
- $1/6$
- $1/6$