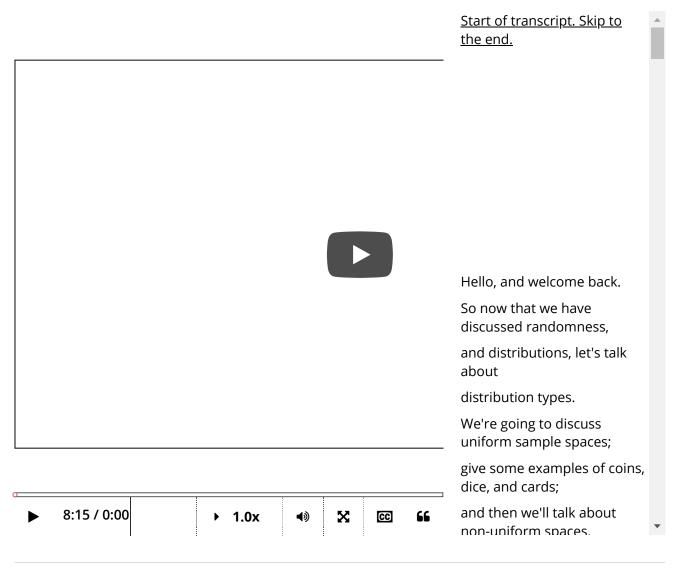


Course > Topic 5... > 5.2 Dist... > Distrib...

Distribution Types Video



5.2 Probability Distribution Types

POLL

An outcome in a uniform probability space has probability 1/10, what is the size of the sample space?

RESULTS

1097%

None of the above 3%

0%

0%

Submit

Results gathered from 342 respondents.

FEEDBACK

The answer is 10.

1

0/1 point (graded)

Which of the following sample spaces are uniform?

☐ {land,sea} for a randomly point on a globe

■ {odd, even} for a random integer from {1,2,...,100} ✔

{leap year, non-leap year} for a random year before 2019

■ {distance to origin} for a random point in $\{-3, -1, 1, 3\} \times \{-4, -2, 2, 4\}$



Explanation

- False. About 70% of the times will be "sea".
- True. Half the time we'll observe even, and half odd.
- False. "non-leap year" is roughly three times more likely.
- False. "one head and one tail" is more likely.
- True. There are four distances, and each shared by 4 of the 16 points.

Submit

You have used 3 of 3 attempts

Answers are displayed within the problem

2

1.0/1.0 point (graded)

Given an uniform probability space $\Omega=\{1,2,3,\cdots,100\}$, what is the probability that the outcome contains the digit 1 (e.g. 19,91)?



✓ Answer: 1/5

0.2

Explanation

There are 20 of them. Note that 11 should not be counted twice.

Submit

You have used 1 of 4 attempts

1 Answers are displayed within the problem

Discussion

Hide Discussion

Topic: Topic 5 / Distributions

Add a Post

Show all posts ▼	by recent activity ▼
 Problem 1 Questions and comments regarding problem 1. Staff 	3
 Problem 2 Questions and comments regarding problem 2. Staff 	3
 General Comments Questions and comments regarding this section. <u>Staff</u>	1

© All Rights Reserved