

Edit Quiz

Save and Exit

Quiz name

Weekly quiz 3 (DUE: Aug 11 10am)

1		MULTIPLE CHOICE	Edit	×
Pro	b	ability distributions are fundamental to		·U
Αι	ns	wer choices		T
A	A	statistics		₽
E	3	computer science		
C		english		
C)	languages		

Х 2 **MULTIPLE CHOICE** Edit \Box There are hundreds of probability distributions, some sounding like monsters from medieval legend like the Muth or Lomax. Only about _____ distributions turn up consistently in practice though. **Answer choices** 15 Α 2 Β C 25 70 D X 3 **MULTIPLE CHOICE** Edit Ē Probability distributions describe what we think the probability of each is **Answer choices** observation Α experiment B unit С outcome D

4 TRUE/FALSE	Edit
flipping a fair coin has two outcomes: it lands heads or tails. land on edge or be stolen by a seagull in mid-air.) Before the there's a 1 in 2 chance, or 0.5 probability, of heads. After you probability of heads is either 0 or 1.	flip, we believe
Answer	
True	

5	MULTIPLE CHOICE Edit
	oulli distribution is a probability distribution over the outcomes
A	one
2 4	
В	three
С	two
D	five
Е	unknown number of

6 TRUE/FALSE	Edit	X
The Bernoulli distribution should not be used to represent outcor aren't equally likely, like the result of an unfair coin toss.	nes that	•U
Answer		₽
False		

7	MULTIPLE CHOICE	Edit
the F outc	distribution is described by a probability density function (PD PDF we plot outcomes on the horizontal axis, and the ome on the vertical axis.	
Ans	wer choices	
Α	proportion	
В	probability	
С	p-value	
D	prior	
8	MULTIPLE CHOICE	Edit
lt's a equa	MULTIPLE CHOICE short jump from the Bernouilli to imagine a distribution over ally-likely outcomes, the distribution characterized b wer choices	many
lt's a equa	short jump from the Bernouilli to imagine a distribution over ally-likely outcomes, the distribution characterized b	many
lt's a equa Ans	short jump from the Bernouilli to imagine a distribution over ally-likely outcomes, the distribution characterized b wer choices	many
lt's a equa Ans A	short jump from the Bernouilli to imagine a distribution over ally-likely outcomes, the distribution characterized b wer choices normal	many

9	MULTIPLE CHOICE	Edit
	distribution may be thought of as the sum of outcor follow a Bernoulli distribution.	mes of things
Ans	wer choices	
Α	normal	
В	binomial	
С	uniform	
D	Poisson	
10	MULTIPLE CHOICE	Edit
Wha supp	t distribution would be used to model the count of customer ort hotline each minute?	
Wha supp	t distribution would be used to model the count of customer Fort hotline each minute? wer choices	
Wha supp	t distribution would be used to model the count of customer ort hotline each minute?	
Wha ⁻ supp Ans	t distribution would be used to model the count of customer Fort hotline each minute? wer choices	
Wha supp Ans	t distribution would be used to model the count of customer ort hotline each minute? wer choices normal	

1	1	MULTIPLE CHOICE	Edit	×
		distribution best matches the number of times does a flippe ils before it first comes up heads?	d coin come	·⊔
A	ns	wer choices		₽
	Α	normal		
	B	exponential		
	С	geometric		
	D	negative binomial		
1	2	MULTIPLE CHOICE	Edit	×
	/hat alls?	distribution best matches how long the wait time until the no	ext customer	"∐ 1

Answer choices

Α	normal
В	exponential
С	geometric
D	negative binomial

₽

13	MULTIPLE CHOICE	Edit
sum	a bunch of values following the same distribution—any distri them. The distribution of their sum follows (approximately) th ibution. This is called	
Ans	wer choices	
Α	the central limit theorem	
В	the law of large numbers	
С	occums razor	
D	asymptotic optmisation	
14	TRUE/FALSE	Edit
The t Ansv	t-distribution arose from improving quality of beer production	
	t-distribution arose from improving quality of beer production	
The f Ansv True 15	t-distribution arose from improving quality of beer production wer	1.
The f Ansv True 15	t-distribution arose from improving quality of beer production wer e TRUE/FALSE gamma distribution has a symmetric PDF.	1.