Congratulations! You passed!

Grade received 100% Latest Submission Grade 100% To pass 80% or higher

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1.	What percentage of the area under a PDF is given by 1 standard deviation on either side of the Normal distribution?	1 / 1 point
	68.27%	
	75%	
	⊘ Correct	
•		
2.	What percentage of the area under a PDF is given by 2 standard deviation on either side of the Normal distribution?	1 / 1 point
	95.45%	
	97.45%	
	⊘ Correct	
2	Which of the following distributions has the maximum entropy given a certain mean	1 / 1 point
J.	and variance?	1/1 point
	Normal	
	Student's t-distribution	
	⊘ Correct	

4.	The Beta distribution is the conjugate prior of	1/1 point
	Binomial distribution	
	Exponential distribution	
	⊘ Correct	
5.	In a Poisson distribution, the mean and variance are given by the same parameter	1/1 point
	True	
	○ False	
	⊘ Correct	
6.	The exponential distribution can be used to model the length of events	1/1 point
	True	
	○ False	
	⊘ Correct	
7.	A Student's t-distribution is less robust to outliers compared to a Normal distribution.	1/1 point
	○ True	
	False	
	⊘ Correct	
8.	X can be considered a lognormal distribution if the log of X is normally distributed	1/1 point
	True	
	○ False	

$\langle \rangle$	Correct
(マ)	correct

9. The binomial distribution can be used to describe the number of successes 'p' in 'n' total events

True

False

✓ Correct