

Congratulations! You passed!

⊘ Correct

Grade Latest Submission received 80% Grade 80%

To pass 80% or higher

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1. A data team at a household goods retailer is asked to predict the success of an upcoming sale on patio furnit To make an informed prediction, they use statistics to analyze data on past patio furniture sales. What type or probability are they using?	, ,
Objective	
Independent	
Osubjective	
Opendent	
Note that the video about the main types of probability, □	
2. If all outcomes of an event are equally likely, how is its probability calculated?	1/1 point
O Divide the total number of possible outcomes by the number of desired outcomes.	
Divide the number of desired outcomes by the total number of possible outcomes.	
O Divide the total number of possible outcomes by the number of certain outcomes.	
O Divide the total number of certain outcomes by the number of possible outcomes.	
3. A six-sided die is rolled. To find the probability of rolling either a one or a three, what rule of probability shoused?	uld be 1/1 point
O Division rule	
O Complement rule	
Addition rule	
Multiplication rule	
4. Fill in the blank: Two events are if the occurrence of one event does not change the probability of the event.	other 1/1 point
O continuous	
O discrete	
O dependent	
o independent	
⊘ Correct	
F. What appears referred the probability of an except before you data is callected?	
5. What concept refers to the probability of an event before new data is collected?	1/1 point
O Posterior probability	
O Subjective probability	
O Conditional probability	
Prior probability	
⊘ Correct	
6. Which of the following are examples of discrete random variables? Select all that apply.	1/1 point
	1/1 ponit
The number of radios produced in a factory each day	

	 □ The time it takes to drive from one city to another city □ The length of an airplane 	
	✓ The number of rooms in a hotel	
	⊘ Correct	
7	Fill in the blank: The distribution best models the number of heads in 10 fair coin flips.	a / a maint
		1/1 point
	O Bernoulli	
	Binomial Dainers	
	O Normal	
O Normal		
	⊘ Correct	
s	A data professional working for a smartphone manufacturer is analyzing sample data on the weight of a specific smartphone. The data follows a normal distribution, with a mean weight of 150g and a standard deviation of 10g. What data value lies 3 standard deviations below the mean?	1/1 point
	O 180g	
	O 160g	
	● 120g	
	O 130g	
	⊘ Correct	
•	If a data when have a second of 0 what decad have her and 2	
9.	If a data value has a z-score of 0, what does the value equal?	1/1 point
	O The median	
 The standard deviation The mode ■ The mean		
	⊘ Correct	
10.	A data analytics team at a water utility works with a dataset that contains information about local reservoirs. They determine that the data follows a normal distribution. What Python function can they use to compute z-scores for the data?	0 / 1 point
	mean.zscore()	
	stats.zscore()	
	median.zscore()	
<pre>describe()</pre>		
	Note that the video about working with probability distributions in Python. □	