Ocngratulations! You passed!

Grade Latest Submission received 100% Grade 100%

Submission To pass 80% or 100% higher

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□ F	h of the following statements accurately describe feature engineering? Select all that apply. Feature engineering does not involve using a data professional's statistical knowledge. In feature engineering, feature selection involves choosing the features in the data that contribute the most operaction the response variable.	1/1 point
✓ F	Correct Correct In feature engineering, feature extraction involves taking multiple features to create a new one that will improve the accuracy of the algorithm. Correct Correct	
of the	a professional resolves a class imbalance in a very large dataset. They alter the majority class by using fewer e original data points in order to produce a split that is more even. What does this scenario describe? Alerging Downsampling Jipsampling Smoothing Correct	1/1 point
service of the servic	In the blank: Customer is the business term that describes how many customers stop using a product or ce, or stop doing business with a company altogether, and at what rate this occurs. thurn etention exchange ransfer	1/1 point
Naive poste	Correct Bayes's theorem enables data professionals to calculate posterior probability for a data project. What does professionals to calculate posterior probability for a data project. What does professional to the start of the data project and professional profes	1/1 point
ii ⊘	1 M.1	1/1 point
i. A dati	Correct a professional explores a dataset by examining patterns to reveal key details about the data that will help in the plans for building a model. Which PACE stage does this scenario describe? Plan Construct Execute Inalyze	1/1 point
. In the the ta	e model-development process, which type of feature does not contain any useful information for predicting raget variable? relevant Predictive Relevant Conducive Correct	1/1 point
Fill in with,	the blank: Log normalization is useful when working with a model that cannot manage continuous variables	1/1 point

9.	info	ata professional is working on a cybersecurity project to detect malware on computers. The dataset contains ormation on 10,000 computer scans, but only 700 of them identified malware. This means there are few ances that have malware. What does this say about the data and the evaluation metrics?	1 / 1 point
	0	There might be errors in the data, and you should clean it before using it.	
	•	The data is imbalanced, and precision and recall metrics are useful for evaluating how well the model handles this issue.	
	0	The data is perfectly balanced and accuracy is the best metric to evaluate your model.	
	0	The data is too small, and you should collect more information before proceeding.	
	(Correct	
10. You are trying to find the probability of an event, A, given that another event, B is true. Which theorem could you use in this situation?			1 / 1 point
	0	Central Limit Theorem	
	•	Bayes Theorem	
	0	No Free Lunch Theorem	
	0	Law of Large Numbers	
	0	Correct	