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1.	Which of the following statements accurately describe the general categories of feature engineering? Select all that apply.	0.5 / 1 point
	Feature selection involves taking multiple features to create a new one that will improve the accuracy of the algorithm.	
	Review <u>the video that introduces feature engineering.</u> 년	
	Feature transformation involves modifying existing features in a way that improves accuracy when training a model.	
	The three general categories of feature engineering are selection, extraction, and transformation.	
	Feature extraction involves choosing the features in the data that contribute the most to predicting the response variable.	
	This should not be selected Review the video that introduces feature engineering. □	
2.	A data professional resolves a class imbalance in a very large dataset. They alter the majority class by using fewer of the original data points in order to produce a split that is more even. What does this scenario describe?	1 / 1 point
	Smoothing	
	Downsampling	
	Upsampling Merging	
	✓ Correct	
3.	Fill in the blank: Customer is the business term that describes how many customers stop using a product or service, or stop doing business with a company altogether, and at what rate this occurs.	1 / 1 point
	transfer	
	retention	
	exchange	

4.	Naive Bayes's theorem enables data professionals to calculate posterior probability for a data project. What does posterior probability describe?	1 / 1 point
	 The likelihood of an event occurring after taking into consideration only the most suitable observations and information The likelihood of an event occurring based upon only observations and information that align with current hypotheses The likelihood of an event occurring after taking into consideration all new, relevant observations and information The likelihood of an event occurring based upon the observations and information that were available at the start of the data project 	
5.	Fill in the blank: When using a scaler to the columns in a dataset using MinMaxScaler, a data professional must fit the scaler to the training data and transform both the training data and the test data using that same scaler.	1 / 1 point
	customize	
	normalize	
	sort	
	filter	
6.	A data professional examines a dataset to reveal key details about the data that will help inform the plans for building a model. Which PACE stage does this scenario describe?	0 / 1 point
	Plan	
	Analyze	
	Construct	
	Execute	
	Incorrect Review the video about modeling and the PACE workflow. □	

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7.	In the model-development process, which type of feature is useful by itself because it contains information that will be useful when forecasting the target?	1 / 1 point
	Irrelevant Redundant Predictive Interactive	
8.	Fill in the blank: Log normalization involves reducing in order to make and making the data more effective for modeling. probability continuity skew normality Correct	1 / 1 point