1.	Which of the following statements about Downsampling is TRUE?	1 / 1 point
	<ul> <li>Downsampling is likely to decrease Recall.</li> <li>Downsampling is likely to decrease Precision.</li> <li>Downsampling preserves all the original observations.</li> <li>Downsampling results in excessive focus on the more frequently-occurring class.</li> </ul>	
	Correct Correct! You can find more information in the lesson <i>Upsampling and Downsampling</i> .	
2.	Which of the following statements about Random Upsampling is TRUE?	1 / 1 point
	Random Upsampling will generally lead to a higher F1 score.  Random Upsampling results in excessive focus on the more frequently-occurring class.  Random Upsampling preserves all original observations.  Random Upsampling generates observations that were not part of the original data.	
	Correct Correct! You can find more information in the lesson <i>Upsampling and Downsampling</i> .	
3.	Which of the following statements about Synthetic Upsampling is TRUE?	1 / 1 point
	Synthetic Upsampling will generally lead to a higher F1 score.  Synthetic Upsampling generates observations that were not part of the original data.  Synthetic Upsampling results in excessive focus on the more frequently-occurring class.  Synthetic Upsampling uses fewer hyperparameters than Random Upsampling.  Correct  Correct! You can find more information in the lesson Upsampling and Downsampling.	
4.	What can help humans to interpret the behaviors and methods of Machine Learning models more easily?  Model Debug  Model Trust  Explanation Debug  Model Explanations	1 / 1 point
	Correct Correct! Model explanations can help humans to interpret the behaviors and methods of Machine Learning models more easily	

5.	What type of explanation method can be used to explain different types of Machine Learning models no matter the model structures and complexity?	1 / 1 point
	Model Trust Explanations	
	Model Explanations	
	Model-Agnostic Explanations	
	Local Interpretable Model-Agnostic Explanations (LIME)	
	Correct Correct! The Model-Agnostic explanation can be used to describe different types of Machine Learning models no matter the complexity while also having the same formats and presentations for model explanations?	
6.	What reason might a Global Surrogate model fail?	1 / 1 point
	Single clusters in the data instance groups	
	Consistency between surrogate models and black-box models	
	Single data instance groups	
	Large inconsistency between surrogate models and black-box models	
	<ul> <li>Correct         Correct! A Global Surrogate model might fail if there is a large inconsistency between surrogate models and black-box models.</li> </ul>	
7.	When working with unbalanced sets, what should be done to the samples so the class balance remains consistent in both the train and test set?	1 / 1 point
	Stratify the samples	
	Use a combination of oversampling and undersampling	
	Use oversampling	
	Apply weighted observations	
	Correct Correct! You should stratify the samples so the class balance remains consistent in both the train and test set.	
8.	What approach are you using when trying to increase the size of a minority class so that it is similar to the size of the majority class?	1 / 1 point
	Random Oversampling Synthetic Oversampling Oversampling Undersampling	
	<ul> <li>Correct         Correct! You are oversampling when trying to increase the size of a minority class so that it is similar to the size of the majority class</li> </ul>	

9. What approach are you using when you create a new sample of a minority class that does not yet exist?

1 / 1 point

	0000	Weighting Oversampling Random Oversampling Synthetic Oversampling	
	©	Correct Correct! Synthetic Oversampling is an approach used to create a new sample of a minority class that does not yet exist.	
10.		nat intuitive technique is used for unbalanced datasets that ensures a continuous downsample for each of the otstrap samples?  Upsampling  Downsampling  SMOTE  Blagging	1 / 1 point
	(	Correct Correct! Blagging is an intuitive technique used for unbalanced datasets that ensures a continuous downsample for each of the bootstrap samples.	