1.	Which of the following statements about Downsampling is TRUE?	1/1 point
	O Downsampling preserves all the original observations.	
	Downsampling is likely to decrease Precision.	
	O Downsampling is likely to decrease Recall.	
	O Downsampling results in excessive focus on the more frequently-occurring class.	
	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 preserves all original observations.	
	Random Upsampling results in excessive focus on the more frequently-occurring class.	
	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
	O Synthetic Upsampling results in excessive focus on the more frequently-occurring class.	
	O Synthetic Upsampling uses fewer hyperparameters than Random Upsampling.	
	Synthetic Upsampling generates observations that were not part of the original data.	
	O Synthetic Upsampling will generally lead to a higher F1 score.	
	 Correct Correct! You can find more information in the lesson <i>Upsampling and Downsampling</i>. 	
4.	What can help humans to interpret the behaviors and methods of Machine Learning models more easily?	1/1 point
	○ Model Trust	_, _, _,
	Explanation Debug	
	Model Debug Model Symbol Symb	
	Model Explanations	
	 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	
	Local Interpretable Model-Agnostic Explanations (LIME)	
	Model-Agnostic Explanations	
	Model Explanations	
	Correct! The Model-Agnostic explanation can be used to describe different types of Machine Learning models	

6.	What reason might a Global Surrogate model fail?	1/1 point
	Consistency between surrogate models and black-box models	
	○ Single clusters in the data instance groups	
	○ Single data instance groups	
	Large inconsistency between surrogate models and black-box models	
	 Correct Correct! A Global Surrogate model might fail if there is a large inconsistency between surrogate models and black-box models. 	
7.	When working with unbalanced sets, what should be done to the samples so the class balance remains consistent in	1/1 point
	both the train and test set? Apply weighted observations	
	Use oversampling Stratify the complex	
	Stratify the samples Use a sample time of supposed in the sample.	
	Use a combination of oversampling and undersampling	
	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
	Oversampling	
	○ Synthetic Oversampling	
	○ Undersampling	
	Random Oversampling	
	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	
9.	What approach are you using when you create a new sample of a minority class that does not yet exist?	1/1 point
	Synthetic Oversampling	
	Oversampling	
	○ Weighting	
	Random Oversampling	
	C Random Oversampting	
	 Correct Correct! Synthetic Oversampling is an approach used to create a new sample of a minority class that does not yet exist. 	
10.	What intuitive technique is used for unbalanced datasets that ensures a continuous downsample for each of the bootstrap samples?	1/1 point
	O Downsampling	
	Blagging	
	○ SMOTE	
	Upsampling	
	 Correct Correct! Blagging is an intuitive technique used for unbalanced datasets that ensures a continuous downsample for each of the bootstrap samples. 	