1.	The term <i>Bagging</i> stands for bootstrap aggregating.	1 / 1 point
	True False	
	Correct Correct! You can find more information in the lesson: Ensemble Based Methods and Bagging.	
2.	This is the best way to choose the number of trees to build on a Bagging ensemble.	1 / 1 point
	Prioratize training error metrics over out of bag sample	
	Tune number of trees as a hyperparameter that needs to be optimized	
	Choose a number of trees past the point of diminishing returns	
	Choose a large number of trees, typically above 100	
	Correct Correct! You can find more information in the lesson: Ensemble Based Methods and Bagging.	
3.	Which type of Ensemble modeling approach is NOT a special case of model averaging?	1 / 1 point
	The Pasting method of Bootstrap aggregation The Bagging method of Bootstrap aggregation Random Forest methods	
	Boosting methods	
	Correct Correct! You can find more information in the lesson <i>Overview of Boosting</i> .	
4.	What is an ensemble model that needs you to look at out of bag error?	1 / 1 point
	Logistic Regression.  Random Forest  Stacking	
	Out of Bag Regression	
	Correct Correct! You can find more information in the lesson <i>Random Forest</i> .	
5.	What is the main condition to use stacking as ensemble method?	1 / 1 point
	Models need to output residual values for each class	

	Models need to be nonparametric	
	Models need to be parametric	
	Models need to output predicted probabilities	
	Correct! You can find more information in the lesson Stacking.	
6.	This tree ensemble method only uses a subset of the features for each tree:	1 / 1 point
	·	·
	Random Forest	
	Bagging	
	Adaboost	
	Stacking	
	Correct! This tree ensemble only uses a subset of the features for each tree. For more information, please review	
	the Random Forest lesson.	
7.	Order these tree ensembles in order of most randomness to least randomness:	1 / 1 point
	O Dennier Bendem Ferret Bendem Trees	
	Bagging, Random Forest, Random Trees	
	Random Forest, Random Trees, Bagging	
	Random Forest, Bagging, Random Trees	
	Random Trees, Random Forest, Bagging	
	Correct	
	Correct! Random Trees add one more degree of randomness than Random Forests and two more than Bagging. You can find more information in the Random Forest lesson.	
8.	This is an ensemble model that does not use bootstrapped samples to fit the base trees, takes residuals into account,	1 / 1 point
Ο.	and fits the base trees iteratively:	17 1 point
	Random Forest	
	Random Trees	
	Boosting	
	Bagging	
	Correct  Correct These are all characteristics of hearting algorithms. You can find many information in the Receting	
	Correct! These are all characteristics of boosting algorithms. You can find more information in the <i>Boosting</i> lesson.	
9.	When comparing the two ensemble methods Bagging and Boosting, what is one characteristic of Boosting?	1 / 1 point
٠.	The state of the state	i, i politi
	Only data points are considered	
	Fits entire data set	
	Bootstraped samples	

	No weighting used	
	Correct Correct. With Boosting you can use the entire data set to train each of the classifiers	
10.	What is the most frequently discussed loss function in boosting algorithms?	1 / 1 point
	Gradient Loss Function Gradient Boosting Loss Function AdaBoost Loss Function  0-1 Loss Function	
	Correct Correct. The 0-1 Loss function is the most frequently discussed loss function.	