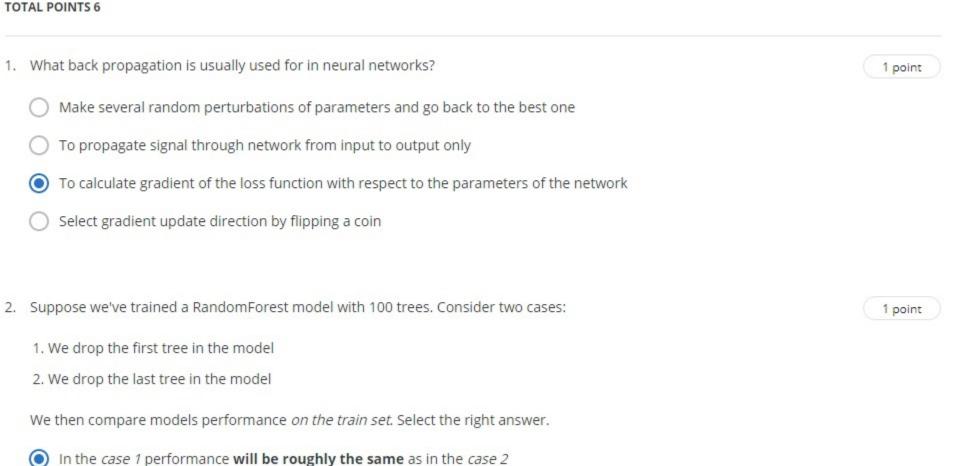
Recap

In the case 1 performance will drop less than in the case 2

.



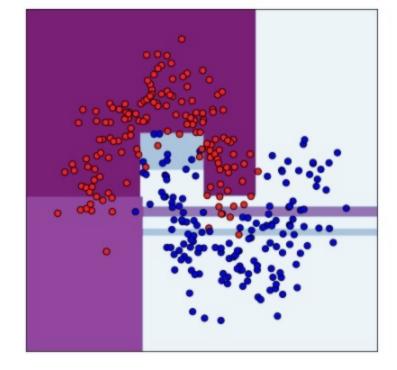
	In the case 1 performance will drop more than in the case 2	
3.	Suppose we've trained a GBDT model with 100 trees with a fairly large learning rate. Consider two cases:	1 point
	1. We drop the first tree in the model	
	2. We drop the last tree in the model	
	We then compare models performance on the train set. Select the right answer.	
	On the case 1 performance will be roughly the same as in the case 2	
	On the case 1 performance will drop less than in the case 2	
	In the case 1 performance will drop more than in the case 2	
4.	Consider two cases:	1 point
	1. We fit two RandomForestClassifiers 500 trees each and average their predicted probabilities on the test set.	
	2. We fit a RandomForestClassifier with 1000 trees and use it to get test set probabilities.	
	All hyperparameters except number of trees are the same for all models.	

Select	the	right	answer.

- The quality of predictions in the case 1 will be roughly the same as the quality of the predictions in the case 2
- The quality of predictions in the case 1 will be higher than the quality of the predictions in the case 2
- The quality of predictions in the case 1 will be lower than the quality of the predictions in the case 2

. What model was most probably used to produce such decision surface? Color (from white to purple) shows predicted probability for a point to be of class "red".

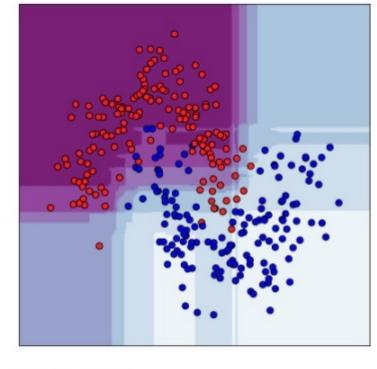
point



- Decision Tree
- O Linear model
- Random Forest
- O k-NN

6. What model was most probably used to produce such decision surface?

1 point



- Random Forest
- O Linear model
- O Decision Tree
- O k-NN