Recap

Quiz, 6 questions

✔ **Congratulations! You passed!**

<div style="border:1px solid">Next Item</div>

✔ 1 / 1
point

1.

What back propagation is usually used for in neural networks?

✖ 0 / 1
point

2.

Suppose we've trained a RandomForest model with 100 trees. Consider two cases:

1. We drop the first tree in the model

   1 and 2 has similar performance

2. We drop the last tree in the model

We then compare models performance *on the train set*. Select the right answer.

✔ 1 / 1
point

In GBDT model we have sequence of trees, each improve predictions of all previous. So, if we drop rst tree — sum of all the rest trees will be biased and overall performance should drop. If we drop the last tree -- sum of all previous tree won't be aected, so performance will change insignicantly (in case we have enough trees)

3.

Suppose we've trained a GBDT model with 100 trees with a fairly large learning rate. Consider two cases:

1. We drop the first tree in the model

   2 has better performance

2. We drop the last tree in the model

We then compare models performance *on the train set*. Select the right answer.

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1 / 1 point

4.

Consider two cases:

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.   **similar performance**

✔️ **1 / 1 point**

5.

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".
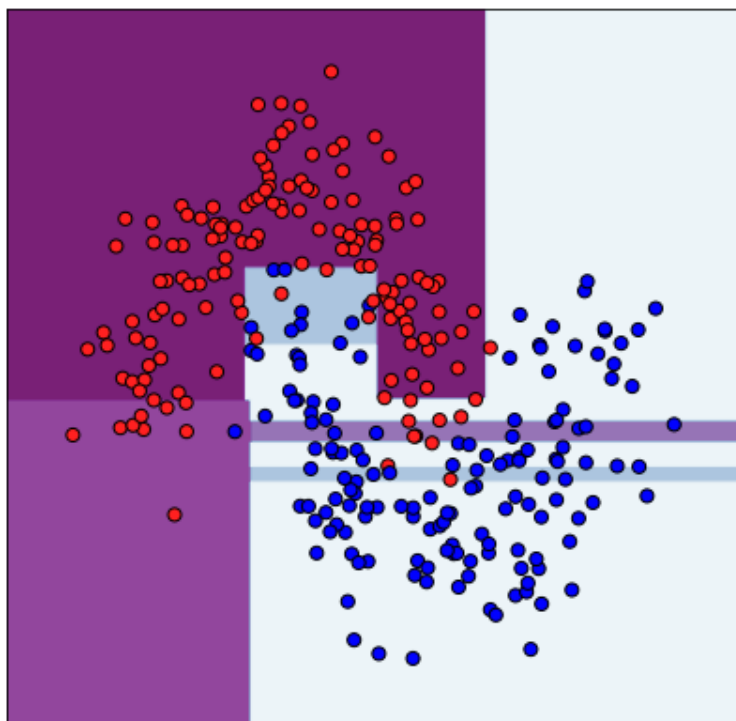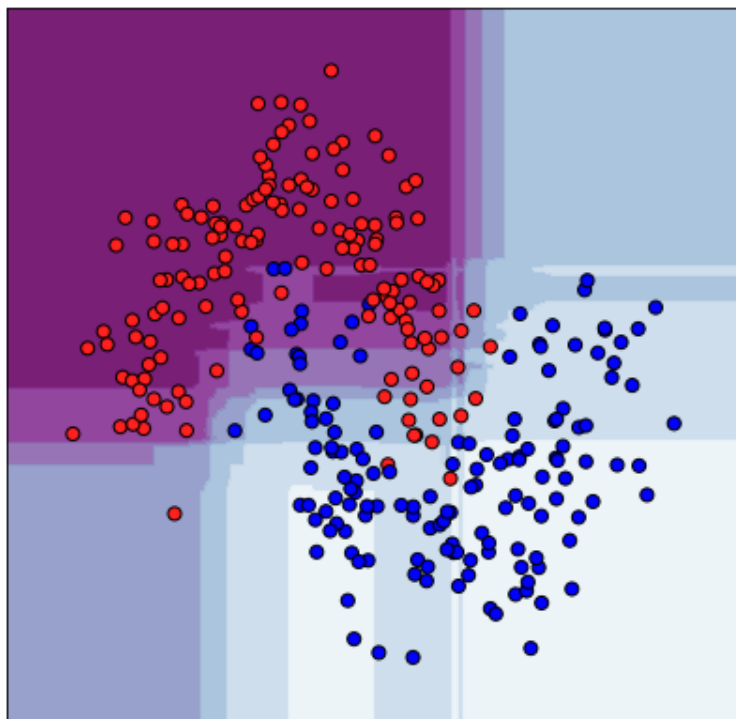

Decision Tree

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1 / 1

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point

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

Random Forest