



# Quiz M6.02

## **i** Question

Select the correct statements:

- a) Both bagging and boosting combine several predictors
- b) Both bagging and boosting are based on decision trees
- c) Boosting combines predictors sequentially
- d) Bagging combines predictors simultaneously

*Select all answers that apply*

## **i** Question

Boosting algorithms learn their predictor:

- a) by training predictors in parallel on slightly different datasets
- b) by training predictors sequentially which correct previous prediction errors
- c) by taking a linear combination of weak predictors

*Select all answers that apply*

## **i** Question

Histogram gradient boosting is an accelerated gradient boosting algorithm that:

- a) takes a subsample of the original samples
- b) bins the numerical features
- c) takes a subsample of the original features

*Select a single answer*

## **i** Question

Boosting tends to overfit when increasing the number of predictors:

- a) true
- b) false

*Select a single answer*

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