RANDOM FOREST ASSIGNMENT QUIZ

What is the biggest advantage that helps random forest classifiers to triumph over the decision trees?

Marked Answer :

All of the above

Correct Answer :

All of the above

MARKS OBTAINED ✔ 1   TOTAL MARKS : 1

In a given problem where you have a very large dataset with both continuous and categorical features, why would you choose the random forest classifier?

Marked Answer :

All of the above

Correct Answer :

All of the above

MARKS OBTAINED ✔ 1   TOTAL MARKS : 1

Which of the following techniques is used in the Random Forest model?

Marked Answer :

Bagging

Correct Answer :

Bagging

MARKS OBTAINED ✔ 1   TOTAL MARKS : 1

Choose the percentage of population with income greater than 50K income?

Marked Answer :

24.8%

Correct Answer :

24.8%

MARKS OBTAINED ✔ 1   TOTAL MARKS : 1

Compute how many samples of the population are unmarried and working hours less than 20 hours?

Marked Answer :

98

Correct Answer :

98

MARKS OBTAINED ✔ 1   TOTAL MARKS : 1

Choose the correct list of age with minimum age , maximum and 50th Percentile of the age group?

Marked Answer :

[17,90,37]

Correct Answer :

[17,90,37]

MARKS OBTAINED ✔ 1   TOTAL MARKS : 1

From above census data which country has the highest population and the lowest population?

Marked Answer :

United-States and Holland-Netherlands

Correct Answer :

United-States and Holland-Netherlands

MARKS OBTAINED ✔ 1   TOTAL MARKS : 1

How does n_estimators work in the random forest classifier?

Marked Answer :

Number of decision trees

Correct Answer :

Number of decision trees

	MARKS OBTAINED ✔ 1	TOTAL MARKS : 1

Can the target data for the random forest model be categorical or continuous value?

Marked Answer :

Yes

Correct Answer :

Yes

	MARKS OBTAINED ✔ 1	TOTAL MARKS : 1

How can you use hyperparameter tuning to your advantage while working with the random forest classifier?

Marked Answer :

Improve the model's performance

Correct Answer :

Improve the model's performance

	MARKS OBTAINED ✔ 1	TOTAL MARKS : 1

Select the best hyperparameters by RandomSearchCV and fit the model with the best hyperparameters and compute the accuracy score of the model.

Marked Answer :

85% and above

Correct Answer :

85% and above

	MARKS OBTAINED ✔ 1	TOTAL MARKS : 1

Which of the following Two features are most important in Random forest model?

Marked Answer :

Correlation between 2 trees and how strong an individual tree is

Correct Answer :

Correlation between 2 trees and how strong an individual tree is

	MARKS OBTAINED ✔ 1	TOTAL MARKS : 1

Based on what values, the feature importance will be calculated?

Marked Answer :

Mean decrease gini and mean decrease accuracy

Correct Answer :

Mean decrease gini and mean decrease accuracy

	MARKS OBTAINED ✔ 1	TOTAL MARKS : 1

From the above model, state the disadvantage of the random forest?

Marked Answer :

It is a time consuming model building process

Correct Answer :

It is a time consuming model building process

MARKS OBTAINED ✔ 1   TOTAL MARKS : 1

Which are the two methods used for hyperparameter tuning and cross-validation?

Marked Answer :

RandomizedSearchCV and GridSearchCV

Correct Answer :

RandomizedSearchCV and GridSearchCV

MARKS OBTAINED ✔ 1   TOTAL MARKS : 1

Total Marks   15 / 15