

Course outline

course work?

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Week 12

Hierarchical method of

Classification and Regression

Attribute selection Measures

Classification and Regression

clustering- II

selection

in CART: II

Trees (CART: I)

Measures of attribute

Trees (CART) - III

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O Quiz: Assignment 12

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How does an NPTEL online





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Mentor

1 point

0 points

Unit 13 - Week 1

NPTEL » Data Analytics with Python

Assignment 12	
The due date for submitting this assignment has passed.	Due on 2020-04-22, 23:
As per our records you have not submitted this assignment.	,,
1) Which clustering algorithm works well when the shape of the clusters is hyper-spherical ?	
○ K Means	
Agglomerative hierarchical clustering	
Divisive hierarchical clustering All of the above	
No, the answer is incorrect.	
Score: 0 Accepted Answers:	
K Means	
Single linkage and complete linkage are defined as –	
Minimum and average distances respectively	
Minimum and maximum distances respectively	
Maximum and minimum distances respectively	
Average and maximum distances respectively	
No, the answer is incorrect. Score: 0	
Accepted Answers:	
Minimum and maximum distances respectively	
3) Affinity option in the python is used for –	
Selecting the linkage option	
Selecting the distance option	
Selecting a particular method option	
Selecting the number of clusters	
No, the answer is incorrect. Score: 0	
Accepted Answers:	
Selecting the distance option	
4) In decision two an internal made represents	
In decision tree, an internal node represents –	
An outcome of the test	
Entire sample population	
O Holds a class label	
No, the answer is incorrect. Score: 0	
Accepted Answers:	
A test on an attribute	
5) Choose the correct statement about the CART model -	
CART follows unsupervised learning technique	
CART follows a supervised learning technique	
CART adopt a greedy approach Both (b) and (c)	
No, the answer is incorrect.	
Score: 0	
Accepted Answers: Both (b) and (c)	
Which attribute selection measure are used by the CART model –	
Information Gain	
Gain ratio	
Gini Index	
All of the above	
No, the answer is incorrect. Score: 0	
Accepted Answers: Gini Index	
OHII HIUGA	
7) Select the correct statement –	
Gini index is used to find the splitting criterion for each attribute in the tuple in Database	
The attribute with the maximum gain ratio is selected as the splitting attribute	
Gain ratio and information gain are the same Both (a) and (b)	
No, the answer is incorrect.	
Score: 0	
Accepted Answers: Both (a) and (b)	
8) Fit_transform () method is used to -	

All of the above

No, the answer is incorrect.

Score: 0 Accepted Answers:

9) Drop () method is used to -

All of the above

Remove rows by specifying label names and corresponding axis by specifying index or column names directly

Remove columns by defining label names and the corresponding axis

Remove rows by specifying index or column names directly

All of the above

No, the answer is incorrect. Score: 0

Accepted Answers: All of the above

10) Which library is used to build the decision tree model -Decisiontreeclassifier

No, the answer is incorrect. Score: 0

DecisionTreeClassifier

Decision_Tree_Classifier

Decision_tree_classifier

Accepted Answers: DecisionTreeClassifier