AlmaBetter

Advanced Machine Learning Challenge

Below is a scored review of your assessment. All questions are shown.

Correct Answer | Partially Correct | Incorrect Answer

21 The method / metric which is NOT useful to determine the optimal number of clusters in unsupervised clustering algorithms is

Your Answer	[no answer given]
Correct Answer	Scree plot

Explanation

Sorry, you have selected the wrong answer.

22 Naive Bayes classifiers are a collection _____ of algorithms.

Your Answer [no answer given]

Correct Answer classification

Explanation

No, that's not correct.

23 Full Form of LDA

Your Answer [no answer given]

Correct Answer Latent Dirichlet Allocation

Explanation

None.

24 Misclassification would happen when you use very small C (C~0)

Your Answer [no answer given]

Correct Answer True

Explanation

Actually, This is a true statement.

25 Which of the following is true about Manhattan distance?

Your Answer	[no answer given]
Correct Answer	It can be used for continuous variables

Explanation

Sorry, you have selected the wrong answer.

26 Every hyperparameter if set poorly,can have a huge impact on training and so all hyperparameters are about equally important to tune well.

Your Answer	[no answer given]
Correct Answer	False

Explanation

No, that's not correct.

27 Which approach uses the memory of previous users interactions to compute users similarities based on items they've interacted ?

Your Answer [no answer given]

Correct Answer Memory-based

Explanation

None.

28 Multiplicative model for time series is Y = . . .

Your Answer [no answer given]

Correct Answer T*S*C*I

Explanation

None.

29 A rise in prices before Eid is an example of

Your Answer	[no answer given]
Correct Answer	Seasonal Trend

Explanation

None.

30 Which of the following methods do we use to find the best fit line for data in Linear Regression?

Your Answer [no answer given]

Correct Answer Least Square Error

Explanation

No, that's not correct.

31 What is back propagation?

Your Answer	[no answer given]
Correct Answer	It is the transmission of error back through the network to allow weights to be adjusted so that the network can learn

Explanation

Sorry, you have selected the wrong answer.

32 What happens when model complexity increases?

Your Answer [no answer given]

Correct Answer Variance of the model increases

Explanation

oh, incorrect!

33 Which of the following is not an assumption of Linear Regression?

Your Answer	[no answer given]
Correct Answer	Multicollinearity

Explanation

Sorry, you have selected the wrong answer.

34 Which of the following statement is NOT TRUE about k-means?

Your Answer	[no answer given]
Correct Answer	Number of clusters to be built is typically an user input and it impacts the way clusters are created

Explanation

Sorry, you have selected the wrong answer.

35 Arrange the following steps for anomaly detection using K-means clustering. 1.Calculate the mean value of each cluster 2.If we observe ttry to set an initial threshold valuehat the “Distance” value is more than the “threshold” value, then we can conclude that it is an outlier. 3.Try to set an initial threshold value. 4.Find or Identify the cluster which is nearest to the test data point 5.When the testing process is going in that time try to determine the distance of each data point from the mean value

Your Answer [no answer given]

Correct Answer 1,3,5,4,2

Explanation

Sorry, you have selected the wrong answer.

36 What does decision node illustrates in a decision tree

Your Answer [no answer given]

Correct Answer Test specification

Explanation

Sorry, you have selected the wrong answer.

37 Which of the following of the coefficients is added as the penalty term to the loss function in Lasso regression?

Your Answer [no answer given]

Correct Answer Absolute value of magnitude

Explanation

No, that's not correct.

38 What is Decision Tree?

Your Answer	[no answer given]
Correct Answer	Flow-Chart & Structure in which internal node represents test on an attribute, each branch represents outcome of test and each leaf node represents class label

Explanation

Sorry, you have selected the wrong answer.

39 Which of the following are true about isolation forest?

Your Answer	[no answer given]
Correct Answer	Identifies anomalies as the observations with short average path lengths Isolation forest is built based on ensembles of decision trees. Isolation forest needs an anomaly Score to have an idea of how anomalous a data point is Splits the data points by randomly selecting a value between the maximum and the minimum of the selected features.

Explanation

Sorry, you have selected the wrong answer.

40 Which of the following algorithm doesn't uses learning Rate as of one of its hyperparameter?

Your Answer	[no answer given]
Correct Answer	Extra Trees Random Forest

Explanation

Sorry, you have selected the wrong answer.

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I'm done.

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