Machine Learning (ML) solved MCQs

« Set 14 15 of 31 Set 16 »

351. What does learning exactly mean?

A. robots are programed so that they can perform the task based on data they gather from sensors.

B. a set of data is used to discover the potentially predictive relationship.

C. learning is the ability to change according to external stimuli and remembering most of all previous experiences.

D. it is a set of data is used to discover the potentially predictive relationship.

discuss

C.learning is the ability to change according to external stimuli and remembering most of all previous experiences.

352. When it is necessary to allow the model to develop a generalization ability and avoid a common problem called .

A. overfitting

B. overlearning

C. classification

D. regression

discuss

A.overfitting

C. unsupervised

D. none of the above

B.semi-supervised

discuss

354. In reinforcement learning if feedback is negative one it is defined as .

A. penalty

B. overlearning

C. reward

D. none of above

A.penalty

discuss

355. According to , its a key success factor for the survival and evolution of all species.

A. claude shannon\s theory

B. gini index

C. darwins theory

D. none of above

C.darwin&#65533;s theory

discuss

356. A supervised scenario is characterized by the concept of a .

A. programmer

B. teacher

C. author

D. farmer

B.teacher

discuss

357. overlearning causes due to an excessive .

A. capacity

B. regression

C. reinforcement

D. accuracy

A.capacity

discuss

358. Which of the following is an example of a deterministic algorithm?

A. pca

B. k-means

C. none of the above

A.pca

discuss

359. Which of the following model model include a backwards elimination feature selection routine?

A. mcv

B. mars

C. mcrs

D. all above

B.mars

discuss

360. Can we extract knowledge without apply feature selection

A. yes

B. no

A.yes

discuss

361. While using feature selection on the data, is the number of features decreases.

A. no

B. yes

B.yes

discuss

362. Which of the following are several models

A. regression

B. classification

C. none of the above

C.none of the above

discuss

A. scikit-learn

B. classification

C. regression

D. none of the above

A.scikit-learn

discuss

364. While using all labels are turned into sequential numbers.

A. labelencoder class

B. labelbinarizer class

C. dictvectorizer

D. featurehasher

A.labelencoder class

discuss

365. produce sparse matrices of real numbers that can be fed into any machine learning model.

A. dictvectorizer

B. featurehasher

C. both a & b

D. none of the mentioned

C.both a & b

discuss

366. scikit-learn offers the class , which is responsible for filling the holes using a strategy based on the mean, median, or frequency

A. labelencoder

B. labelbinarizer

C. dictvectorizer

D. imputer

D.imputer

discuss

367. Which of the following scale data by removing elements that don't belong to a given range or by considering a maximum absolute value.

A. minmaxscaler

B. maxabsscaler

C. both a & b

D. none of the mentioned

C.both a & b

discuss

368. scikit-learn also provides a class for per- sample normalization,

A. normalizer

B. imputer

C. classifier

D. all above

369. dataset with many features contains information proportional to the independence of all features and their variance.

A. normalized

B. unnormalized

C. both a & b

D. none of the mentioned

discuss

B.unnormalized

370. In order to assess how much information is brought by each component, and the correlation among them, a useful tool is the .

A. concuttent matrix

B. convergance matrix

C. supportive matrix

D. covariance matrix

discuss

D.covariance matrix

371. The parameter can assume different values which determine how the data matrix is initially processed.

A. run

B. start

C. init

D. stop

discuss

C.init

372. allows exploiting the natural sparsity of data while extracting principal components.

A. sparsepca

B. kernelpca

C. svd

D. init parameter

discuss

A.sparsepca

373. Which of the following is true about Residuals ?

A. lower is better

B. higher is better

C. a or b depend on the situation

D. none of these

discuss

A.lower is better

374. Overfitting is more likely when you have huge amount of data to train?

A. true

B. false

discuss

B.false

375. Which of the following statement is true about outliers in Linear regression?

A. linear regression is sensitive to outliers

B. linear regression is not sensitive to outliers

C. cant say

D. none of these

discuss

A.linear regression is sensitive to outliers

« Set 14 Set 16 »

1	2	3	4	5	6	7	8	9	10	11	12	13	14
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28	29	30	31										

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