Machine Learning (ML) solved MCQs

« Set 11 12 of 31 Set 13 »

276. Suppose you are given ‘n’ predictions on test data by ‘n’ different models (M1, M2, …. Mn) respectively. Which of the following method(s) can be used to combine the predictions of these models?
Note: We are working on a regression problem
1. Median
2. Product
3. Average
4. Weighted sum
5. Minimum and Maximum
6. Generalized mean rule

A. 1, 3 and 4

B. 1,3 and 6

C. 1,3, 4 and 6

D. all of above

D.all of above discuss

277. In an election, N candidates are competing against each other and people are voting for either of the candidates. Voters don’t communicate with each other while casting their votes. Which of the following ensemble method works similar to above-discussed election procedure?Hint: Persons are like base models of ensemble method.

A. bagging

B. 1,3 and 6

C. a or b

D. none of these

A.bagging discuss

278. If you use an ensemble of different base models, is it necessary to tune the hyper parameters of all base models to improve the ensemble performance?

A. yes

279. Which of the following is NOT supervised learning?

A. pca

B. decision tree

C. linear regression

D. naive bayesian

discuss

A.pca

280. According to , its a key successfactor for the survival and evolution of all species.

A. claude shannon\s theory

B. gini index

C. darwins theory

D. none of above

discuss

C.darwin&#65533;s theory

281. How can you avoid overfitting ?

A. by using a lot of data

B. by using inductive machine learning

C. by using validation only

D. none of above

discuss

A.by using a lot of data

282. What are the popular algorithms of Machine Learning?

A. decision trees and neural networks (back propagation)

B. probabilistic networks and nearest neighbor

C. support vector machines

D. all

discuss

D.all

283. What is Training set?

A. training set is used to test the accuracy of the hypotheses generated by the learner.

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

C. both a & b

D. none of above

discuss

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

284. Common deep learning applications include

A. image classification, real-time visual tracking

B. autonomous car driving, logistic optimization

C. bioinformatics, speech recognition

D. all above

D.all above discuss

285. what is the function of Supervised Learning?

A. classifications, predict time series, annotate strings

B. speech recognition, regression

C. both a & b

D. none of above

C.both a & b discuss

286. Commons unsupervised applications include

A. object segmentation

B. similarity detection

C. automatic labeling

D. all above

D.all above discuss

287. Reinforcement learning is particularly efficient when .

A. the environment is not completely deterministic

B. it\s often very dynamic

C. it\s impossible to have a precise error measure

D. all above

D.all above discuss

288. if there is only a discrete number of possible outcomes (called categories), the process becomes a .

A. regression

B. classification.

B.classification.

289. Which of the following are supervised learning applications

A. spam detection, pattern detection, natural language processing

B. image classification, real-time visual tracking

C. autonomous car driving, logistic optimization

D. bioinformatics, speech recognition

discuss

A.spam detection, pattern detection, natural language processing

290. During the last few years, many algorithms have been applied to deep neural networks to learn the best policy for playing Atari video games and to teach an agent how to associate the right action with an input representing the state.

A. logical

B. classical

C. classification

D. none of above

discuss

D.none of above

291. Which of the following sentence is correct?

A. machine learning relates with the study, design and

B. data mining can be defined as the process in which the

C. both a & b

D. none of the above

discuss

C.both a & b

292. What is Overfitting in Machine learning?

A. when a statistical model describes random error or noise instead of underlying relationship overfitting occurs.

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

C. while involving the process of learning overfitting occurs.

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

discuss

A.when a statistical model describes random error or noise instead of underlying relationship overfitting occurs.

293. What is Test set?

A. test set is used to test the accuracy of the hypotheses generated by the learner.

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

C. both a & b

A.test set is used to test the accuracy of the hypotheses generated by the learner.

discuss

294. is much more difficult because it's necessary to determine a supervised strategy to train a model for each feature and, finally, to predict their value

A. removing the whole line

B. creating sub-model to predict those features

C. using an automatic strategy to input them according to the other known values

D. all above

B.creating sub-model to predict those features

discuss

295. How it's possible to use a different placeholder through the parameter .

A. regression

B. classification

C. random_state

D. missing_values

D.missing_values

discuss

296. If you need a more powerful scaling feature, with a superior control on outliers and the possibility to select a quantile range, there's also the class .

A. robustscaler

B. dictvectorizer

C. labelbinarizer

D. featurehasher

A.robustscaler

discuss

297. scikit-learn also provides a class for per- sample normalization, Normalizer. It can apply to each element of a dataset

A. max, l0 and l1 norms

B. max, l1 and l2 norms

C. max, l2 and l3 norms

D. max, l3 and l4 norms

discuss

B.max, l1 and l2 norms

298. There are also many univariate methods that can be used in order to select the best features according to specific criteria based on .

A. f-tests and p-values

B. chi-square

C. anova

D. all above

discuss

A.f-tests and p-values

299. Which of the following selects only a subset of features belonging to a certain percentile

A. selectpercentile

B. featurehasher

C. selectkbest

D. all above

discuss

A.selectpercentile

300. performs a PCA with non-linearly separable data sets.

A. sparsepca

B. kernelpca

C. svd

D. none of the mentioned

discuss

B.kernelpca

« Set 11 Set 13 »

1	2	3	4	5	6	7	8	9	10	11	12	13	14
15	16	17	18	19	20	21	22	23	24	25	26	27	
28	29	30	31										

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