

model/visualization

visualization.png64.30KB

test accuracy

0.634

model/params/optimizer

SGD

batch loss (last)

1.005

batch acc (last)

0.667

data/train/version

b3683ab87d4bfe69c623d...

batch acc

Step

Linear

params

Name	Preview
batch_size	128

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Set 22 »

501. there's a growing interest in pattern recognition and associative memories whose structure and functioningare similar to what happens in the neocortex. Such an

- A. regression
- B. accuracy
- C. modelfree
- D. scalable

C.modelfree

discuss

502. showed better performance than other approaches, even without a context-based model

- A. machine learning
- B. deep learning
- C. reinforcement learning
- D. supervised learning

B.deep learning

discuss

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- B. data mining can be defined as the process
- C. both a & b
- D. none of the above

[discuss](#)

C.both a & b

504. What is 'Overfitting' in Machine learning?

- A. when a statistical model describes random error or noise instead of
- B. robots are programmed so that they can perform the task based on data they gather from
- 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

505. 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
- D. none of above

[discuss](#)

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

506. 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

[discuss](#)

C.both a & b

507. Commons unsupervised applications include

- A. object segmentation
- B. similarity detection
- C. automatic labeling
- D. all above

[discuss](#)

D.all above

508. 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

[discuss](#)

D all above

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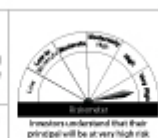
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509. During the last few years, many _____ algorithms have been applied to deep neural networks to learn the best policy for playing Atari video games and to teach an agent how to associate the right action with an input representing the state.

- A. logical
- B. classical
- C. classification
- D. none of above

D.none of above

[discuss](#)

510. 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](#)

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

- A. regression
- B. classification.
- C. modelfree
- D. categories

B.classification.

[discuss](#)

512. Let's say, you are working with categorical feature(s) and you have not looked at the distribution of the categorical variable in the test data.You want to apply one hot encoding (OHE) on the categorical feature(s). What challenges you may face if you have applied OHE on a categorical variable of train dataset?

- A. all categories of categorical variable are not present in the test dataset.
- B. frequency distribution of categories is different in train as compared to the test dataset.
- C. train and test always have same distribution.
- D. both a and b

D.both a and b

[discuss](#)

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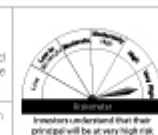


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513. Which of the following sentence is FALSE regarding regression?

A. it relates inputs to outputs.

B. it is used for prediction.

C. it may be used forinterpretation.

D. it discovers causalrelationships.

D.it discovers causalrelationships.

discuss

514. scikit-learn also provides functions for creatingdummy datasets from scratch:

A. make_classification()

B. make_regression()

C. make_blobs()

D. all above

D.all above

discuss

515. which can accept a NumPy RandomStategenerator or an integer seed.

A. make_blobs

B. random_state

C. test_size

D. training_size

B.random_state

discuss

- B. 2
- C. 3
- D. 4

B.2

[discuss](#)

517. _____ is the most drastic one and should be considered only when the dataset is quite large, the number of missing features is high, and any prediction could be risky.

- 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

A.removing the whole line

[discuss](#)

518. It's possible to specify if the scaling process must include both mean and standard deviation using the parameters _____.

- A. with_mean=true/ false
- B. with_std=true/ false
- C. both a & b
- D. none of the mentioned

C.both a & b

[discuss](#)

519. Which of the following selects the best K high-score features.

- A. selectpercentile
- B. featurehasher
- C. selectkbest
- D. all above

C.selectkbest

[discuss](#)

520. Suppose you have fitted a complex regression model on a dataset. Now, you are using Ridge regression with tuning parameter lambda to reduce its complexity. Choose the option(s) below which describes relationship of bias and variance with lambda.

- A. in case of very large lambda; bias is low, variance is low
- B. in case of very large lambda; bias is low, variance is high
- C. in case of very large lambda; bias is high, variance is low
- D. in case of very large lambda; bias is high, variance is high

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work like linear regression model3. When lambda goes to infinity, we get very, very small coefficients approaching 04. When lambda goes to infinity, we get very, very large coefficients approaching infinity

- A. 1 and 3
- B. 1 and 4
- C. 2 and 3
- D. 2 and 4

A.1 and 3

[discuss](#)

522. Which of the following method(s) does not have closed form solution for its coefficients?

- A. ridge regression
- B. lasso
- C. both ridge and lasso
- D. none of both

B. lasso

[discuss](#)

523. Function used for linear regression in R is

- A. lm(formula, data)
- B. lr(formula, data)
- C. lrm(formula, data)
- D. regression.linear (formula, data)

A. lm(formula, data)

[discuss](#)

524. In the mathematical Equation of Linear Regression $Y = \beta_1 + \beta_2 X + \epsilon$, (β_1, β_2) refers to

- A. (x-intercept, slope)
- B. (slope, x-intercept)
- C. (y-intercept, slope)
- D. (slope, y-intercept)

C. (y-intercept, slope)

[discuss](#)

525. Suppose that we have N independent variables (X_1, X_2, \dots, X_n) and dependent variable is Y. Now imagine that you are applying linear regression by fitting the best fit line using least square error on this data. You found that correlation coefficient for one of its variable (say X_1) with Y is -0.95. Which of the following is true for X_1 ?

- A. relation between the x_1 and y is weak
- B. relation between the x_1 and y is strong
- C. relation between the x_1 and y is neutral

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