



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

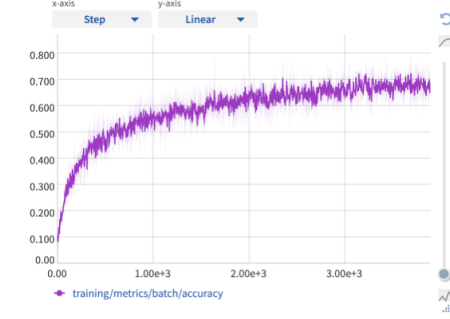
b3683ab87d4bfe69c623d...



batch acc

Step

Linear



params

Name	Preview
batch_size	128

ML Experiment Tracker

Share and collaborate on experiment results and models across the organization

neptune.ai

Open >

Home » Computer Science Engineering (CSE) » Machine Learning (ML) » set 20

Machine Learning (ML) solved MCQs

OPEN

ML Experiment Tracker

Ad

« Set 19

20 of 31

Set 21 »

476. Suppose that we have N independent variables (X1,X2 Xn) 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 X1) with Y is -0.95.Which of the following is true for X1?

- A. relation between the x1 and y is weak
- B. relation between the x1 and y is strong
- C. relation between the x1 and y is neutral
- D. correlation cant judge the relationship

B.relation between the x1 and y is strong

discuss

477. We have been given a dataset with n records in which we have input attribute as x and output attribute as y. Suppose we use a linear regression method to model this data. To test our linear regressor, we split the data in training set and test set randomly. Now we increase the training set size gradually. As the training set size increases, what do you expect will happen with the mean training error?

- A. increase
- B. decrease
- C. remain constant
- D. cant say

D.cant say

discuss

Flexibility is an Art.
Balancing is a Science.

Bringing science to the art of investing in a balanced mix of small, medium and large caps.



NFO Period:
12th - 26th July, 2022



This product is suitable for investors who are seeking*

- Long term capital appreciation
- Investment in a diversified portfolio of equity and equity-related securities of companies across the spectrum of various market capitalization

*Investors should consult their financial advisers if in doubt about whether the product is suitable for them.
Mutual Fund investments are subject to market risks, read all scheme related documents carefully.



INVEST NOW

478. We have been given a dataset with n records in which we have input attribute as x and output attribute as y. Suppose we use a linear regression method to model this data. To test our linear regressor, we split the data in training set and test set randomly. What do you expect will happen with bias and variance as you increase the size of training data?

A. bias increases and variance increases

B. bias decreases and variance increases

C. bias decreases and variance decreases

D. bias increases and variance decreases

D.bias increases and variance decreases

discuss

479. Suppose, you got a situation where you find that your linear regression model is under fitting the data. In such situation which of the following options would you consider?1. I will add more variables2. I will start introducing polynomial degree variables3. I will remove some variables

A. 1 and 2

B. 2 and 3

C. 1 and 3

D. 1, 2 and 3

A.1 and 2

discuss

480. Problem:Players will play if weather is sunny. Is this statement is correct?

A. true

B. false

A.true

discuss

481. For the given weather data, Calculate probability of not playing

A. 0.4

B. 0.64

C. 0.36

D. 0.5

C.0.36

discuss

482. Suppose you have trained an SVM with linear decision boundary after training SVM, you correctly infer that your SVM model is under fitting.Which of the following option would you more likely to consider iterating SVM next time?

A. you want to increase your data points

B. you want to decrease your data points

C. you will try to calculate more variables

D. you will try to reduce the features

C.you will try to calculate more variables

discuss

483. The minimum time complexity for training an SVM is $O(n^2)$. According to this fact, what sizes of datasets are not best suited for SVMs?

A. large datasets

B. small datasets

A.large datasets

484. What do you mean by generalization error in terms of the SVM?

- A. how far the hyperplane is from the support vectors
- B. how accurately the svm can predict outcomes for unseen data
- C. the threshold amount of error in an svm

B.how accurately the svm can predict outcomes for unseen data

485. We usually use feature normalization before using the Gaussian kernel in SVM. What is true about feature normalization? 1.We do feature normalization so that new feature will dominate other 2. Some times, feature normalization is not feasible in case of categorical variables3. Feature normalization always helps when we use Gaussian kernel in SVM

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

B.1 and 2

486. Support vectors are the data points that lie closest to the decision surface.

- A. true
- B. false

A.true

487. If I am using all features of my dataset and I achieve 100% accuracy on my training set, but ~70% on validation set, what should I look out for?

- A. underfitting
- B. nothing, the model is perfect
- C. overfitting

C.overfitting

488. What is the purpose of performing cross- validation?

- A. a. to assess the predictive performance of the models
- B. b. to judge how the trained model performs outside the
- C. c. both a and b

C.c. both a and b

[discuss](#)

489. Suppose you are using a Linear SVM classifier with 2 class classification problem. Now you have been given the following data in which some points are circled red that are representing support vectors.If you remove the following any one red points from the data. Does the decision boundary will change?

- A. yes
- B. no

A.yes

[discuss](#)

490. Linear SVMs have no hyperparameters that need to be set by cross-validation

- A. true
- B. false

B.false

[discuss](#)

491. For the given weather data, what is the probability that players will play if weather is sunny

- A. 0.5
- B. 0.26
- C. 0.73
- D. 0.6

D.0.6

[discuss](#)

492. 100 people are at party. Given data gives information about how many wear pink or not, and if a man or not. Imagine a pink wearing guest leaves, what is the probability of being a man

- A. 0.4
- B. 0.2
- C. 0.6

**Flexibility is an Art.
Balancing is a Science.**

Bringing science to the art of investing in a balanced mix of small, medium and large caps.



NFO Period:
12th - 26th July, 2022

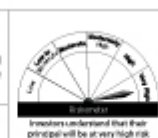


This product is suitable for investors who are seeking*

- *Long term capital appreciation
- *Investment in a diversified portfolio of equity and equity-related securities of companies across the spectrum of various market capitalization

*Investors should consult their financial advisers if in doubt about whether the product is suitable for them.

Mutual Fund investments are subject to market risks, read all scheme related documents carefully.



WHITEOAK
CAPITAL MUTUAL FUND
THE ART AND SCIENCE OF INVESTING

INVEST NOW

493. Linear SVMs have no hyperparameters

- A. true
B. false

B.false

[discuss](#)

494. What are the different Algorithm techniques in Machine Learning?

- A. supervised learning andsemi-
B. unsupervised learning andtransduction
C. both a & b
D. none of the mentioned

C.both a & b

[discuss](#)

495. _____ can be adopted when it's necessary to categorize a large amount of data with a fewcomplete examples or when there's the need to

- A. supervised
B. semi- supervised
C. reinforcement
D. clusters

B.semi- supervised

[discuss](#)

496. In reinforcement learning, this feedback is usually called as _____.

- A. overfitting
B. overlearning
C. reward
D. none of above

**Flexibility is an Art.
Balancing is a Science.**

Bringing science to the art of investing in a balanced mix of small, medium and large caps.



NFO Period:
12th - 26th July, 2022



This product is suitable for investors who are seeking*

- *Long term capital appreciation
- *Investment in a diversified portfolio of equity and equity-related securities of companies across the spectrum of various market capitalization

*Investors should consult their financial advisers if in doubt about whether the product is suitable for them.

Mutual Fund investments are subject to market risks, read all scheme related documents carefully.



WHITEOAK
CAPITAL MUTUAL FUND
THE ART AND SCIENCE OF INVESTING

INVEST NOW

497. In the last decade, many researchers started training bigger and bigger models, built with several different layers that's why this approach is called .

A. deep learning

B. machine learning

C. reinforcement learning

D. unsupervised learning

A.deep learning

discuss

498. What does learning exactly mean?

A. robots are programed sothat they can

B. a set of data is used todiscover the

C. learning is the ability tochange

D. it is a set of data is used todiscover the

C.learning is the ability tochange

discuss

499. When it is necessary to allow the model to develop a generalization ability and avoid a common problemcalled .

A. overfitting

B. overlearning

C. classification

D. regression

A.overfitting

discuss

500. Techniques involve the usage of both labeled and unlabeled data is called .

A. supervised

B. semi- supervised

C. unsupervised

D. none of the above

B.semi- supervised

discuss

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	