

Bonus Quiz 3

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|--|-----------|----------------------|
| Due Mar 26 at 5:07pm | Points 9 | Questions 9 |
| Available Mar 26 at 5pm - Mar 26 at 5:07pm | 7 minutes | Time Limit 7 Minutes |

Instructions

This quiz is worth 1 bonus course grade point. (Excluding any bonus points, a student can receive up to a maximum of 100 course grade points.)

We plan to have a total of 4 bonus quizzes. For each student, only the 3 highest scoring quizzes will count towards the final course grade. That is, a student may receive up to a maximum of 3 bonus course grade points for completing the quizzes.

Attempt History

| | Attempt | Time | Score |
|--------|---------------------------|-----------|---------------|
| LATEST | Attempt 1 | 4 minutes | 4.33 out of 9 |

Score for this quiz: **4.33** out of 9

Submitted Mar 26 at 5:06pm

This attempt took 4 minutes.

Correct!

Question 1

1 / 1 pts

Which shell command did we use for transferring files from local storage to Azure storage in HW3 ?

☒ scp

☐ mv

☐ ftp

☐ cp

Question 2

1 / 1 pts

Graph mining research has thus far only identified three "power laws": one for the graph's degree distribution, one for the eigenvalues of the graph's adjacency matrix, and another one on temporal graphs' densification over time.

☐ True

☒ False

Correct!

Question 3

0 / 1 pts

In k-fold cross validation, each data point is used for validation exactly once.

☐ True

☒ False

Correct Answer

You Answered

Question 4

0 / 1 pts

Reducing a model's ROC curve to a single AUC number (area under the curve) can succinctly summarise the tradeoff between the model's true positive rate and false positive rate (as the model's discrimination threshold varies)

☒ True

You Answered

Correct Answer

☐ False

Question 5

0 / 1 pts

The K-Means algorithm terminates when

Correct Answer

☐ The cluster centers are identical from one iteration to the next.

☐

The sum of distances between every cluster center and the points in its cluster is below a user-defined limit.

☐

The number of clusters formed stops changing from one iteration to the next.

You Answered

☒

The number of points in each cluster stops changing from one iteration to the next.

Question 6

1 / 1 pts

Pig scripts can be run in an interactive mode using the _____ shell.

☐ FS

☐ YARN

Correct!

☒ Grunt

☐ HDFS

Question 7

1 / 1 pts

In HBase, the row key is unique and it can be used to look up a row.

Correct!

- ☒ True
- ☐ False

Question 8

0 / 1 pts

Information gain is often used to:

Correct Answer

- ☐ Measure of the quality of the split in a decision tree
- ☐ Find the optimal branching factor (number of children at each tree node) for the decision tree
- ☒ Decide the number of decision tree to be used in a random forest
- ☐ Find the optimal height of a decision tree

You Answered

Question 9

0.33 / 1 pts

In a 7-node undirected graph connected in star topology, the central node has the highest:

- ☒ network diameter

You Answered

Correct!

☒ closeness centrality

Correct!

☒ betweenness centrality

Incorrect Answer

☐ degree centrality

Quiz Score: **4.33** out of 9