

Big Data Analysis Test

* Required

Untitled Section

The PCY algorithm uses the technique of hashing to filter out unnecessary item set for next candidate item set generation. * 1 point

- ☐ False
- ☒ True

The SON algorithm can be implemented in ___ sets of Map Reduce. * 1 point

- ☐ One
- ☒ Two
- ☐ Three

The Flajolet- Martin algorithm can be used to: * 1 point

- ☐ Determine whether an element has already occurred in previous stream data.
- ☐ Sample data with a time-sensitive window.
- ☒ Estimate the number of distinct elements
- ☐ Estimate the frequent elements.



CURE is essentially _____ clustering algorithm. *

1 point

- ☐ Partitioning method
- ☐ Fuzzy clustering
- ☐ Model based
- ☒ Hierarchical

Filtering is also known as _____ *

1 point

- ☐ Distribution
- ☒ Selection
- ☐ Segmentation
- ☐ Variation

A data stream is a flow of data which arrives at _____ intervals of time. *

1 point

- ☐ Certain
- ☐ Uncertain
- ☒ Both
- ☐ None of the above



What are the different types of social networks? *

1 point

- ☒ Collaboration Graph
- ☐ Homogeneous Graph
- ☐ Information Linkage Graphs
- ☐ None of the above

A Bloom filter guarantees no *

1 point

- ☐ false positives
- ☒ false negatives
- ☐ false positives and false negatives
- ☐ false positives or false negatives, depending on the Bloom filter type

Adhoc query is predefined *

1 point

- ☒ True
- ☐ False

Decision tress are based on classification of data with the help of a split to form subset, each subset belongs to_____Class. *

1 point

- ☐ Two
- ☐ multiple
- ☒ Only one
- ☐ No



HITS stand for_____*

1 point

Hyperlink-Induced Topic Search

What is the use of Recommender System? *

1 point

- ☐ Can increase sales
- ☐ Increase the knowledge about the customer
- ☐ Can give opportunities to persuade the customers
- ☒ all of the above

The Canopy clustering algorithm is _____ pre clustering algorithm. *

1 point

- ☒ Unsupervised
- ☐ supervised

What do the acronyms PA, DA, and PR stand for? *

1 point

- ☐ Personal authority, domain authority, parked rename
- ☐ Page authority, domain age, Page Rank
- ☒ Page authority, domain authority, Page Rank



Sample data is partitioned in a ____ approach. *

1 point

- ☒ Horizontal
- ☐ vertical
- ☐ Diagonal
- ☐ None of the above

Tendrils are pages that do not have any inlinks/outlinks to/from SCC. *

1 point

- ☒ True
- ☐ False

Which of the following statements about the standard DGIM algorithm are false? *

1 point

- ☐ DGIM operates on a time-based window.
- ☒ DGIM reduces memory consumption through a clever way of storing counts.
- ☐ In DGIM, the size of a bucket is always a power of two
- ☐ The buckets contain the count of 1's and each 1's specific position in the stream.
- ☐ The maximum number of buckets has to be chosen beforehand.

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Googles random surfer is an example of ____ Process *

1 point

Markov Chain

1What are the issues in stream processing? *

1 point

- ☒ Unbounded Memory requirements
- ☐ Approximate query answering
- ☐ Blocking operators
- ☐ Queries referencing past data
- ☐ All of the above

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