

CS594 - 2 Quiz 1

Introduction to data science

1. Assuming you have a list of 1 to 10,000 with step of 7 like below:

1, 8, 15, 22, 29, 36, 44 ... 9997

Can you use our SimpleStats to find out mean?

- ☐ 4998
☐ 4999
☐ 5000
☐ 5001

2. What are the usual data scientist procedure?

- ☐ acquire -> question -> explore -> storage -> communicate
☐ storage -> explore -> question -> communicate -> acquire
☐ communicate -> question -> acquire -> storage -> analyze
☐ question -> acquire -> storage -> analyze -> communicate

3. Consider the following tubular data, what is the first order knowledge

Id	x	y
1	2	2
2	2	3
3	2	4
4	2	5

- ☐ ID of entity
☐ Location axes like x or y
☐ Number of entities
☐ Maximum or minimum of any two entities

4. What is not in the 3Vs of Big Data?

- ☐ Variety
☐ Validity
☐ Volume
☐ Velocity

5. What is the third order of knowledge in this class?

- ☐ Information directly from the data
☐ Comprehension of the data

☐ Predict outcome from data

6. Consider the following tubular data, what is the second order knowledge:

id	t	x	y
1	0	2	2
1	1	3	3
2	0	2	3
2	1	3	4

- ☐ location like x or y
☐ time
☐ velocity
☐ number of entities

7. What is common skill sets of a data scientist?

- ☐ Math
☐ Python
☐ Hadoop
☐ Elastic Search
☐ Machine learning
☐ D3

8. Clone/download the course repository to get the latest copy of the course repository code and run:

gradle token

What is the output?

- ☐ d41d8cd98f00b204e9800998ecf8427e
☐ 098f6bcd4621d373cade4e832627b4f6
☐ fc887ddfe59efa2c0f7a3b3dfd5b378a
☐ a0f5fc34ee26a9e0fb4c23da4547a77f

9. Consider the following tubular data, what is the third order knowledge:

id	t	x	y
1	0	2	2
1	1	3	3
2	0	2	3
2	1	3	4

- ☐ acceleration
☐ velocity
☐ time
☐ location like x or y

10. Open your browser in <http://104.154.21.59:9000/api/token>

You should see 10,000 numbers.

Can you use our SimpleStats class to compute what is median?

- ☐ 82.12971964165125
☐ 0
☐ -39.68257247721188
☐ 70.4854007950319

Save

Finish

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