

Unit 2 - Week 1

Course outline

How to access the portal?

Week 1

- Introduction Part I
- Introduction Part II
- Introduction Part III
- Python for Analytics Part I
- Python for Analytics Part II
- Quiz : Assignment 1
- Solution For Assignment 1

Week 2

Week 3

Week 4

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Week 8

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Assignment 1

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-08-14, 23:59 IST.

- 1) What data type is represented by integer in Python 3? 1 point
- Short
 - Long
 - Float
 - Decimal

No, the answer is incorrect.
Score: 0

Accepted Answers:
Long

- 2) Which is the correct statement regarding similarities between text mining and data mining? 1 point
- Both of them use unstructured data for analysis
 - Both are about learning from samples of present experience or examples
 - Both are about finding valuable patterns in data
 - Analytics tasks are formulated together with similar techniques

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both are about finding valuable patterns in data

- 3) Text Mining is: 1 point
- Conceptual
 - Theoretical
 - Empirical
 - All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Empirical

- 4) Predictive text analytics tasks include 1 point
- Prediction
 - Classification
 - Clustering
 - All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

- 5) In a corpus of N documents, one document is randomly picked. The document contains a total of T terms and the term "data" appears K times. What is the correct value for the product of TF (term frequency) and IDF (inverse-document-frequency), if the term "data" appears in approximately one-third of the total documents? 1 point
- $KT * \log(3)$
 - $K * \log(3) / T$
 - $T * \log(3) / K$
 - $\log(3) / KT$

No, the answer is incorrect.
Score: 0

Accepted Answers:
 $K * \log(3) / T$

- 6) Which of the following technique is not a part of flexible text matching? 1 point
- Soundex
 - Metaphone
 - Edit Distance
 - Keyword Hashing

No, the answer is incorrect.
Score: 0

Accepted Answers:
Keyword Hashing

- 7) What are the possible features of a text corpus 1 point
1. Count of word in a document
 2. Boolean feature – presence of word in a document
 3. Vector notation of word
 4. Part of Speech Tag
 5. Basic Dependency Grammar
 6. Entire document as a feature
- 1,2
 - 1,2,3
 - 1,2,3,4
 - 1,2,3,4,5

No, the answer is incorrect.
Score: 0

Accepted Answers:
1,2,3,4,5

- 8) While working with text data obtained from news sentences, which are structured in nature, which of the grammar-based text parsing techniques can be used for noun phrase detection, verb phrase detection, subject detection and object detection. 1 point
- Part of speech tagging
 - Dependency Parsing and Constituency Parsing
 - Skip Gram and N-Gram extraction
 - Continuous Bag of Words

No, the answer is incorrect.
Score: 0

Accepted Answers:
Dependency Parsing and Constituency Parsing

- 9) Text Mining is a field of 1 point
- Computer Science
 - Artificial Intelligence
 - Natural Language Processing (NLP)
 - All of the mentioned

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the mentioned

- 10) Text Mining can be used in: 1 point
- Detecting spam model
 - Predicting stock Movements
 - None of the above
 - Both a and b

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both a and b