

Module 20 Quiz:

Text Analytics

1. SVD decomposes an input matrix into three smaller matrices. One of them is a diagonal matrix whose largest (diagonal) value is at the bottom-right position of the matrix.

- A. True
- B. False

Answer: B

2. One of the NLP techniques discussed in class was Latent Semantic Indexing which is an indexing and retrieval method to identify patterns in the relationships between the terms and concepts contained in an unstructured collection of text. For this purpose, which of the following mathematical techniques does it use?

- A. Singular Value Decomposition
- B. Logistic Regression
- C. Multiple Value Decomposition
- D. None of the other options here

Answer: A

3. In text processing, the process of reducing a word to its base or root form (e.g., "argue", "argued", "argues", "arguing" = "argu") is called:

- A. Stemming
- B. Named Entity Recognition
- C. Pos Tagging
- D. Natural Language Processing

Answer: A

4. Which of the following words is likely to have a high TF (term frequency) score but a very low IDF (inverse document frequency) score? (check all that apply):

- A. The
- B. is
- C. Catharsis
- D. Simonize

Answer: A, B



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