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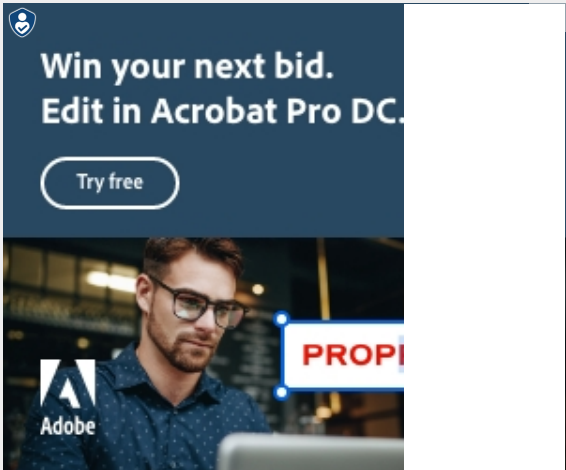
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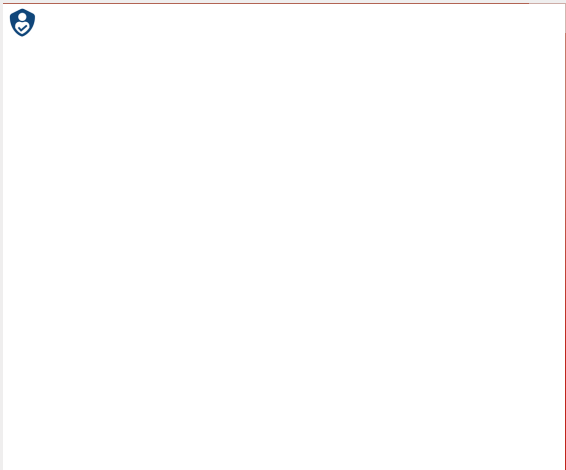


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QUIZ TOPIC - NATURAL LANGUAGE PROCESSING

1. Natural Language processing is used in-

- ☐ A. Text classification ✖
- ☐ B. Topic modeling ✖
- ☐ C. Chatbots ✖
- ☒ D. All of the above ✔

2. Which of the follwing is an appication of NLP?

- ☒ A. Summarizing a text or article ✖
- ☐ B. Predicting the genre of books
- ☐ C. Speech recognition
- ☐ D. All of the above ✔

3. Which of the following library is used in NLP?

- ☐ A. NLTK
- ☐ B. sklearn
- ☐ C. pandas
- ☒ D. All of the above ✔

4. What is tokenization?

- ☐ A. Breaking sentences into words
- ☐ B. Creating a set of vocabularies
- ☐ C. Removing stopwords
- ☒ D. All of the above ✔

5. Why we use named entity recognition in NLP?

- ☒ A. Classify entities into predefined labels ✔
- ☐ B. Creating a set of vocabularies ✖
- ☐ C. Breaking sentences into words ✖
- ☐ D. None ✖

6. What is machine translation?

- ☐ A. Converting a human language to another ✖
- ☐ B. Converting a human language to machine language ✔
- ☒ C. Converting any human language to English ✖
- ☐ D. None

7. Google translator is an application of-

- ☐ A. Sentiment analysis ✖



- ☐ B. Information extraction ✖
- ☐ C. Information retrieval ✖
- ☒ D. Machine translation ✔

8. Which of the following is the main challenge of NLP?

- ☐ A. Handling ambiguity of documents ✖
- ☐ B. Handling POS tagging ✖
- ☐ C. Handling tokenization ✖
- ☒ D. All of the above ✔

9. A bag of words model uses-

- ☐ A. A vocabulary of known words ✖
- ☐ B. A measure of the presence of known words ✖
- ☒ C. Both A and B ✔
- ☐ D. None

10. Which of these techniques is used for normalization in text mining?

- ☐ A. Stemming ✖
- ☐ B. Stop words removal ✖
- ☐ C. Lemmatization ✖
- ☒ D. All of the above ✔

11. What stemming refers to in text mining?

- ☐ A. Reducing a word to its root ✔
- ☒ B. Defining the parts of speech of a word ✖
- ☐ C. Converting sentences to words
- ☐ D. None

12. Which is the correct order for preprocessing in Natural Language Processing?

- ☒ A. tokenization->stemming->lemmatization ✔
- ☐ B. lemmatization->tokenization->stemming
- ☐ C. stemming->tokenization->lemmatization
- ☐ D. None

13. Bag of Words in text preprocessing is a-

- ☐ A. Feature scaling technique ✖
- ☐ B. Feature extraction technique ✔
- ☒ C. Feature selection technique ✖
- ☐ D. None

14. In text mining, how the words 'lovely' is converted to 'love'-

- ☐ A. By stemming ✔
- ☒ B. By tokenization ✖
- ☐ C. By lemmatization
- ☐ D. None

15. Stop words are-

- ☐ A. words that frequently found in a document ✖
- ☐ B. words that have no use in prediction ✖
- ☐ C. words that are not important for text mining ✖



☒ D. All of the above ✓

16. Which of the following algorithms is widely used for text classification?

- ☐ A. Decision tree ✗
- ☐ B. Support vector machine ✗
- ☐ C. Naive Bayes ✗
- ☒ D. All of the above ✓

17. From the sentence "Ai Online Course", how many bigrams can be created?

- ☐ A. 2 ✓
- ☒ B. 3 ✗
- ☐ C. 4
- ☐ D. 5

18. Sentiment analysis is an area of:

- ☐ A. Computer vision ✗
- ☐ B. Natural language processing ✓
- ☒ C. Data analysis ✗
- ☐ D. Data mining

19. Which of the following is true about Topic Modelling?

- ☐ A. It's a natural language processing task ✗
- ☐ B. It is unsupervised learning ✗
- ☐ C. LDA(latent Dirichlet allocation) can be used ✗
- ☒ D. All of the above ✓

20. Which of the following is used to reduce the dimensionality of text data?

- ☐ A. Keyword Normalization
- ☐ B. Latent Dirichlet Allocation
- ☐ C. Latent Semantic Indexing
- ☒ D. All of the above ✓

21. What is the role of NLP in recommendation engines like Collaborative Filtering?

- ☐ A. Extracting features from text
- ☐ B. Measuring semantic similarity
- ☐ C. Constructing feature vector
- ☒ D. All of the above ✓

22. Which of the following is the feature of a text corpus?

- ☐ A. Count of the word
- ☐ B. Part of speech tag
- ☒ C. Both A and B ✓
- ☐ D. None

23. Word2vec is used to-

- ☒ A. Generate vectors out of words ✓
- ☐ B. Represent a document numerically ✗
- ☐ C. Make a set of vocabularies ✗
- ☐ D. None ✗



24. **tf - idf** is used in-

- ☐ A. Sentiment analysis ✖
- ☐ B. Topic modeling ✖
- ☐ C. Text summarization ✖
- ☒ D. All of the above ✔

25. Which of the following algorithm is not used in NLP?

- ☐ A. Naive Bayes ✖
- ☐ B. BERT ✖
- ☐ C. Convolutional Neural Networks ✖
- ☒ D. None ✔

26. **Convolutional Neural Network** is used in-

- ☐ A. Image classification ✖
- ☐ B. Text classification ✖
- ☐ C. Computer vision ✖
- ☒ D. All of the above ✔

27. **tf - idf** represents-

- ☐ A. How important a word is to a document in a collection or corpus
- ☐ B. Where to find a word in a document
- ☐ C. The length of a document
- ☒ D. All of the above ✔

28. **tf - idf** is used in-

- ☐ A. Page ranking by search engines
- ☐ B. Processing texts for ML models
- ☒ C. Both A and B ✔
- ☐ D. None

29. **Sentiment analysis** is used to-

- ☐ A. detect polarity of a text ✖
- ☐ B. detect the impact of a text ✖
- ☐ C. Both A and B ✖
- ☒ D. None ✔

30. Which of the following is a kind of text summarization?

- ☐ A. Topic-based summarization ✖
- ☐ B. Extraction-based summarization ✔
- ☒ C. History-based summarization ✖
- ☐ D. All of the above



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