

Multiple choice activity:

Select the correct answer.

1. What role does NLP play in medical diagnosis and treatment according to the text?

- a. NLP is not used in medical applications.
- b. NLP facilitates law enforcement analysis.
- c. NLP assists in automated customer service.
- d. NLP aids in extracting information from medical records.

2. Why does the text mention the evolution of chatbots in the field of customer service?

- a. To highlight the limitations of rule-based chatbots.
- b. To emphasize their use in legal domains.
- c. To showcase advancements in medical diagnosis.
- d. To explain the concept of tokenization.

3. According to the text, why did the early rule-based chatbots have limited possibilities?

- a. Due to the lack of data for training.
- b. Because experts found rules encoding tedious.
- c. Because they couldn't understand natural language.
- d. Due to their inefficient handling of medical records.
- 4. What is the significance of the named entity recognition stage in NLP?
- a. It analyzes the sentiment behind posts.
- b. It recognizes entities associated with tokens, like locations or organizations.
- c. It transforms unstructured text into structured form.
- d. It focuses on the word strawberry in a sentence.







5. How has the evolution of NLP impacted the interaction between humans and technology in recent years?

- a. It has led to the decline of voice interfaces.
- b. It has reduced the need for data analysis in marketing.
- c. It has enabled more sophisticated voice interactions.
- d. It has made chatbots obsolete in customer support.
- 6. According to the text, what is the primary function of the TF-IDF model?
- a. To count the frequency of unique words in an article.
- b. To eliminate stop words like "is" and "the".
- c. To create an encoder-decoder model.
- d. To track the context of the text.
- 7. In what way is the BERT model mentioned in the text revolutionary?
- a. It facilitates text classification.
- b. It improves search results on browsers.
- c. It counts the frequency of words.
- d. It tracks the context of the text.

8. What future development does the text predict for NLP in terms of interaction with computers?

- a. The integration of virtual assistants with browsers.
- b. The rise of language-independent keyboards.
- c. The creation of humanoid robotics by integrating NLP with biometrics.
- d. The dominance of traditional input-output devices.

9. How does NLP address the challenge of machines understanding human language?

- a. By creating a database of all sentences from a language.
- b. By converting sentences into unstructured forms.







- c. By resolving ambiguity related to natural languages.
- d. By relying on traditional means to comprehend data.

10. Why is NLP considered vital for machines to analyze vast amounts of text data?

- a. Because it focuses on speech synthesis.
- b. Because it eliminates the need for data analysis.
- c. Because it structures and analyzes unstructured text data.
- d. Because it facilitates the recognition of phonemes.





