Started on	Monday, 18 August 2025, 12:03 PM
State	Finished
Completed on	Monday, 18 August 2025, 12:14 PM
Time taken	11 mins 29 secs

Question **1**

Complete

Marked out of 1.00

In NLP, what is meant by **'chunking'**?

Select one:

- ○ a.   identifying phrases in a text which constitute units of meaning by combining words
- ○ b.   dividing a text into individual sentences, each with a verb phrase
- ○ c.   scoring words according to the number of adjacent consonants contained within each
- ○ d.   consolidating smaller, related processing steps into larger ones
- ○ e.   overloading the processing pipeline, causing the system to "choke"

Question **2**

Complete

Marked out of 1.00

In NLP, what is meant by '**lemmatisation**'?

Select one:

○ a. reducing words to their most basic form without altering essential meaning

○ b. stating the fundamental linguistic postulate by inductive reasoning

○ c. removing all adjectives, adverbs and prepositional phrases from the text

○ d. ordering the parts of a sentence hierarchically to find the verb phrases

○ e. formulating hypotheses about the most likely syntactic function of a word

Question **3**

Complete

Marked out of 1.00

In NLP, what is meant by 'Machine Learning Bias'?

Select one:

- a. growing interest in developing artificially intelligent solutions is driving prejudicial attitudes towards more traditional methods of solving problems

- b. data models are sensitive to the deeply-held beliefs and desires of their end users, and are inclined to respond in ways which elicit the greatest response from those users

- c. attitudes towards technology play a leading role in determining the efficacy of e-Learning initiatives

- d. exposure to weak electromagnetic fields, over time, may cause well-trained data models to gradually deteriorate and start to produce ill-informed predictions

- e. data model training will tend to amplify subtle preferences embedded in the training data, potentially replicating those preferences and producing biased predictions

Question **4**

Complete

Marked out of 1.00

In NLP, what is meant by 'Named Entity Recognition'?

Select one:

○ a. associating voice- and facial-recognition data with patterns found in a text

○ b. attaching unique names to all objects in a sentence in order to facilitate back-references

◉ c. identifying words which identify people, organisations, places, products, etc.

○ d. determining which noun a particular pronoun refers to in a text

○ e. extracting barcodes and/or QR codes from a stream of text

Question **5**

Complete

Marked out of 1.00

In NLP, what is meant by '**POS Tagging**'?

Select one:

○ a.   determining the phonetically-ordered syntax of each morpheme in the text

○ b.   preparing transactional text for point-of-sale deployment

○ c.   marking the individual words with a zero-based index, relative to the start

○ d.   scoring the sentence according to the Pierce-Ogilvie-Safran algorithm

◉ e.   identifying grammatical components such as verbs, nouns, prepositions, and such

Question **6**

Complete

Marked out of 1.00

In NLP, what is meant by '**Stop Word Removal**'?

Select one:

- a.   replace words which have been inadvertently left out of the sentence
- b.   preventing the elimination of small words by surrounding them with full stops
- c.   elimination of all punctuation symbols from a text except full stops
- d.   reducing the word count to generate a rough summary of a text
- e.   removing words which occur too commonly to contribute significantly to the differentiation of meaning in a text

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Question **7**

Complete

Marked out of 1.00

In NLP, what is the purpose of a '**Syntactic Dependency Parser**'?

Select one:

- a.   identifies how the different parts of a text relate to each other grammatically
- b.   sorts sentences according to their basic phenotype and genotype
- c.   shuffles the order of the words until a clear meaning is established
- d.   removes all words that do not refer to physical items
- e.   compresses a text's syntax to its minimally verbose formulation

Question **8**

Complete

Marked out of 1.00

In NLP, what is meant by 'TF-IDF'?

Select one:

- ○ a. the T-Function (or Inverse Dirichlet Function) computes the convolution of vectors of intent, providing a robust, reliable measure of the particular sentiment expressed in a given passage of text

- ○ b. the distance between the time-stamp flag and the identity flag of each lexical entity, providing the primary measure of similarity between different entities

- ◉ c. metric which considers the frequency of occurrence of a word in one document, as against that word's occurrence throughout an entire corpus of documents, to determine the uniqueness and significance of that word in conveying meaning

- ○ d. application of Thomson Filtering followed by Ines-Davis Filtering, resulting in reduction of noise-words below the 20% threshold

- ○ e. metric produced by multiplying the number of letters in a word by the number of letters in the whole document, then comparing that against a standard normal distribution describing the particular language being used

Question **9**

Complete

Marked out of 1.00

In NLP, what is meant by **'tokenisation'**?

Select one:

○ a.   colour codes the text to indicate different parts of speech

○ b.   runs a Monte-Carlo simulation to determine the meaning of a text

○ c.   assigns numerical values to each letter of the alphabet

◉ d.   separates text into minimal units of meaning, such as words

○ e.   assigns relative weights to the most meaningful textual elements

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Question **10**

Complete

Marked out of 1.00

In NLP, what is meant by '**Word Embedding**'?

Select one:

○ a.   placing a word into a context in which it acquires meaning, relative to other words preceding or succeeding it

○ b.   inserting metadata tags into words to indicate their linguistic function

○ c.   subtle differences between the particular ways in which common words are used in different languages

○ d.   dilemma which occurs when one word is found to occur naturally within another word

◉ e.   series of numbers which positions a word in relation to all other words in an n-dimensional space

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