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About NLP

Following are some of the multiple choice questions on the **NLP** with answers that will help the students in developing their knowledge.

NLP MCQ

1. Morphological Analysis

🔖 Bookmark   ⚠ Report   💬 Discuss (https://mcqpoint.com/question/morphological-analysis/)

Does discourse analysis

Separate words into individual morphemes and identify the class of the morphemes

Is an extension of propositional logic

None of the above

2. Why we use named entity recognition in NLP?

🔖 Bookmark   ⚠ Report   💬 Discuss (https://mcqpoint.com/question/why-we-use-named-entity-recognition-in-nlp/)

Classify entities into predefined labels

Creating a set of vocabularies

Breaking sentences into words

12
Shares

None

3. What does NLP stand for? Write what the acronym means.

Bookmark ❶ Report 💬 Discuss (https://mcqpoint.com/question/what-does-nlp-stand-for-write-what-the-acronym-means/)

Natural Language Processing

Nationwide Loan Processing

Netware Lite Protocol

None of these

4. Consider the following piece of codefromnltk.corpus import wordnet as wn from nltk.corpus import wordnet_ic brown_ic = wordnet_ic.ic('ic-brown.dat') tree = wn.synsets("tree") plant = wn.synsets("plant")print(tree[0].lin_similarity(plant[0], brown_ic))Tick the statements which are true in this context.

Bookmark ❶ Report 💬 Discuss (https://mcqpoint.com/question/consider-the-following-piece-of-codefromnltkcorpus-import-wordnet-as/)

Calculates the similarity between the words 'tree' and 'plant'.

You cannot find the similarity between two words without using WordNet.

A corpus is a large and structured set of machine-readable texts that have been produced in a natural communicative setting.

Word similarity is dependent on the context in which it is used

5. In a word cloud, what does the size correspond to?

Bookmark ❶ Report 💬 Discuss (https://mcqpoint.com/question/in-a-word-cloud-what-does-the-size-correspond-to/)

Length

Frequency

Importance

Relation

6. What are the names of lecturers in this NLP part?

Bookmark ❶ Report 💬 Discuss (https://mcqpoint.com/question/what-are-the-names-of-lecturers-in-this-nlp-part/)

Stefan Kosztolanyi

Sebastian Poliak

Martin Smira

Both A & B

7. Which of these are enghlish stopwords?

Bookmark ❶ Report 💬 Discuss (https://mcqpoint.com/question/which-of-these-are-enghlish-stopwords/)

'i', 'me', 'my', 'myself'

12
Shares

'about', 'against', 'between', 'into'

'happy', 'sad', 'angry', ' 'amazing'

Both A & B

8. Which are multiple word sequences?

🔖 Bookmark ❗ Report 💬 Discuss (https://mcqpoint.com/question/which-are-multiple-word-sequences/)

Tokenization

Ngrams

Stopwords

Corpus

9. N-grams are defined as the combination of N keywords together. How many bi-grams can be generated from given sentence:"NPTEL videos are a great source to learn engineering courses"

🔖 Bookmark ❗ Report 💬 Discuss (https://mcqpoint.com/question/n-grams-are-defined-as-the-combination-of-n-keywords-together-how-man/)

7

8

9

10

10. Which of the following sense for the word "language" is not available in wordnet? i. a systematic means of communicating by the use of sounds or conventional symbol ii. communication by word of mouth iii. the cognitive processes involved in producing and understanding linguistic communication iv. the style of a piece of writing or speech v. the mental faculty or power of vocal communication

🔖 Bookmark ❗ Report 💬 Discuss (https://mcqpoint.com/question/which-of-the-following-sense-for-the-word-language-is-not-availa/)

3

5

4

None of these

11. What is the field of Natural Language Processing (NLP)?

🔖 Bookmark ❗ Report 💬 Discuss (https://mcqpoint.com/question/what-is-the-field-of-natural-language-processing-nlp/)

Computer Science

Artificial Intelligence

Linguistics

All of the mentioned

12
Shares

12 .... is a Python library to make programs that work with natural language

12. _____ is a Python library to make programs that work with natural language.

NLTK

Pandas

Seaborn

BeautifulSoup

13. Tick whichever is an application Named Entity Recognition (NER)

Classifying content for NEWS providers

Efficient Search Algorithms

Analysis the rude behavior from customer feedback

All of above

14. Which are common words usually removed in an NLP analysis?

Tokenization

Ngrams

Stopwords

Corpus

15. Difficulties/Challenges in Word Sense Disambiguation (WSD) .Tick which is (FALSE) from the statements given below

to decide the sense of the word because different senses can be very closely related.

Completely different algorithm might be needed for different applications.

The problem of Inter-judge variance as the WSD systems are generally tested by having their results on a task compared against the task of human beings

Words can be easily divided into discrete sub-meanings.

16. Which is based on tagging and is statistically based as opposed to rule based?

NLTK

spaCy

17. How do we get from NLP text analysis to stock price correlation?

Transform some NLP results into features.

Convert parts of speech to categorical variables

Recognize some named entities

VADER it

18. Which are included in named entity recognition?

Time and dates

Nouns

Currency

All of above

19. What does spaCy tagging do?

Identifies more frequent words

Identifies importance and relevance

Identifies word order relationships

Identifies parts of speech

20. Which is the main Python package we use for NLP?

Scikit-Learn

NLTK

NLP-LIB

PyNLP

21. Which is the process of turning different morphologies (i.e. versions) of a word into its base form?

Lemmatization

Tokenization

Ngrams

Stopwords

12
Shares

22. Which is a collection of documents?

Tokenization

Ngrams

Stopwords

Corpus

23. Which function would you use to implement a bag of words by creating a matrix of token counts?

CountVectorizer()

fit_tranform()

get_feature_names()

download()

24. If speed is focused, then _____ should be used since _____ scans a WordNet corpus and a corpus for stop words as well as requires you to define a parts-of-speech to produce root forms of words which consumes time and processing. If you are building a language application in which language is important, you should use _____ as it uses a corpus to match root forms.

stemming, lemmatization, lemmatization

lemmatization, stemming, stemming

25. NLP is concerned with the interactions between computers and human (natural) languages.

True

False

26. Given a stream of text, Named Entity Recognition determines which pronoun maps to which noun.

False

True

27. Consider the sentence: "The touch screen was cool; however, the voice quality and battery were very poor". Which of the following are true?

Aspect: "touch screen", Sentiment: Positive, Opinion Phrase: "cool".

Aspect: "voice quality", Sentiment: Negative, Opinion Phrase: "very poor". ⌃

Aspect: "battery", Sentiment: Negative, Opinion Phrase: "very poor".

All of above

28. Which of the following Affective States does Sentiment Analysis mostly focus on?

Mood

Personality Traits

Attitudes

Emotion

29. While working with context extraction from a text data, you encountered two different sentences: The tank is full of soldiers. The tank is full of nitrogen. Which of the following measures can be used to remove the problem of word sense disambiguation in the sentences?

Compare the dictionary definition of an ambiguous word with the terms contained in its neighborhood

Co-reference resolution in which one resolute the meaning of ambiguous word with the proper noun present in the previous sentence

Use dependency parsing of sentence to understand the meanings

None of these

30. What are the possible features of a text corpusCount of word in a document Boolean feature – presence of word in a document.Vector notation of word Part of Speech Tag Basic Dependency Grammar Entire document as a feature

12

123

1234

12345

31. Which of the following regular expression can be used to identify date(s) present in the text object?"The next meetup on data science willbe held on 2017-09-21, previously it happened on 31/03, 2016"

\d{4}-\d{2}-\d{2}

(19|20)\d{2}-(0[1-9]|1[0-2])-[0-2][1-9]

(19|20)\d{2}-(0[1-9]|1[0-2])-([0-2][1-9]|3[0-1])

None of the above

⌃

32. Tick what is true about WordNet from the following sentences

A hierarchically organized lexical database

A machine-readable thesaurus, and aspects of a dictionary

Is a lexical database of semantic relations between words

All of above

33. Consider the following given sentences. Match the lexical relations between the first word (w1) to the second word (w2) i.e. w1 is a <lexical relation> of w2. · Invention of the wheel is one of the landmarks in the history of mankind.· Companies are trying to make driverless car.· Golden daffodils are fluttering and dancing in the breeze.· Mumbai has unique flower park.1. Holonym i.wheel-car 2. Hyponym ii.car-wheel 3. Meryonym iii.daffodils-flower 4. Hypernym iv. flower- daffodils

🔖 Bookmark ❗ Report 💬 Discuss (https://mcqpoint.com/question/consider-the-following-given-sentences-match-the-lexical-relations-be/)

1-iii, 2-ii, 3-iv, 4-i

1-ii, 2-iii, 3-i, 4-iv

1-ii, 2-iii, 3-iv, 4-i

1-i, 2-ii, 3-iii, 4-iv

34. Morphotacticsis a model of

🔖 Bookmark ❗ Report 💬 Discuss (https://mcqpoint.com/question/morphotacticsis-a-model-of/)

Spelling modifications that may occur during affixation

How and which morphemes can be affixed to a stem

All affixes in the English language

N-grams of affixes and stems

35. A vader compound score of 1.02 evaluates to

🔖 Bookmark ❗ Report 💬 Discuss (https://mcqpoint.com/question/a-vader-compound-score-of-102-evaluates-to/)

positive sentiment

neutral sentiment

negative sentiment

none of the above

36. From the sentence "Fintech Online Course", how many bigrams can be created?

🔖 Bookmark ❗ Report 💬 Discuss (https://mcqpoint.com/question/from-the-sentence-fintech-online-course-how-many-bigrams-can-be/)

1

2

3

37. Between NLTK and spaCy, which is based on tagging and is statistically based as opposed to rule based?

🔖 Bookmark ❗Report 💬 Discuss (https://mcqpoint.com/question/between-nltk-and-spacy-which-is-based-on-tagging-and-is-statistically/)

NLTK

spaCy

38. Between NLTK and spaCy, which is faster and better for larger datasets?

🔖 Bookmark ❗Report 💬 Discuss (https://mcqpoint.com/question/between-nltk-and-spacy-which-is-faster-and-better-for-larger-datasets/)

NLTK

spaCy

39. What were the objectives of NLP day 1?

🔖 Bookmark ❗Report 💬 Discuss (https://mcqpoint.com/question/what-were-the-objectives-of-nlp-day-1/)

Tokenizing texts into sentences and words

Implementing ngrams and word clouds

Implement lemmatization and stopwording

All of above

40. Which step is the process of breaking down documents into smaller units of analysis?

🔖 Bookmark ❗Report 💬 Discuss (https://mcqpoint.com/question/which-step-is-the-process-of-breaking-down-documents-into-smaller-unit/)

Tokenization

Ngrams

Stopwords

Corpus

41. Which function would you use to retrieve the list of unique words?

🔖 Bookmark ❗Report 💬 Discuss (https://mcqpoint.com/question/which-function-would-you-use-to-retrieve-the-list-of-unique-words/)

CountVectorizer()

fit_tranform()

get_feature_names()

download()

42. Which is a model of measuring the incidence of known words?

🔖 Bookmark ❗Report 💬 Discuss (https://mcqpoint.com/question/which-is-a-model-of-measuring-the-incidence-of-known-words/)

A high weight in TF-IDF

Shares

A low weight in TF-IDF

A bag of words

A corpus

43. Which is a high term frequency and low document frequency?

A high weight in TF-IDF

A low weight in TF-IDF

A bag of words

A corpus

44. Which news sources did we use?

News API

Reuters

Bloomberg

Both A & B

45. Which is the most useful metric from VADER for sentiment analysis?

Positivity

Compound

Negative

Intensity

46. Which company's tone analyzer service did we discuss?

Amazon

Apple

Google

IBM

47. What were the objectives of NLP day 2?

12
Shares

Analyze sentiments and tone from news feeds.

Use NLTK and VADER to classify news as positive, negative, or neutral.

Perform data preparation techniques for sentiment analysis.

All of above

48. Which are python libraries used in NLP?

🔖 Bookmark   ⓘ Report   💬 Discuss (https://mcqpoint.com/question/which-are-python-libraries-used-in-nlp/)

spacy

pandas

nltk

All of above

49. What kind of charts are used in visualisations of results?

🔖 Bookmark   ⓘ Report   💬 Discuss (https://mcqpoint.com/question/what-kind-of-charts-are-used-in-visualisations-of-results/)

Barchart

Scatterplot

Windowplot

Both A & B

50. The Bag-of-Words approach:

🔖 Bookmark   ⓘ Report   💬 Discuss (https://mcqpoint.com/question/the-bag-of-words-approach/)

keeps word order, disregards word multiplicity

keeps word order, keeps word multiplicity

disregards word order, keeps word multiplicity

disregards word order, disregards word multiplicity

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