

AMLFv1EN-6778

Module 6 Knowledge Check

Which issue is not a major challenge for natural language processing (NLP)?

- ☐ Lack of context
- ☐ Meaning
- ☐ Multiple meanings
- ☒ Memory

Correct

Memory limitations are not a major challenge for NLP systems.

Continue



Number correct: 1 out of 1

Which tasks are common preprocessing tasks for natural language processing (NLP) applications? (Select TWO.)

- ☒ Removing noise
- ☐ Adjusting word order
- ☐ Removing stopwords
- ☐ Feature extraction
- ☒ Normalizing text

Correct

Preprocessing steps for NLP applications include removing noise words, and normalizing similar text.

Continue



Number correct: 2 out of 2

True or False: Natural language processing (NLP) systems predate machine learning systems.

☒ True

☐ False

Correct

NLP systems were developed before machine learning was possible.

Continue

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Number correct: 3 out of 3

Which models are common machine learning models for natural language processing (NLP) applications? (Select TWO.)

☐ pandas

☒ Bag of words

☐ Word embeddings

☒ Term frequency-inverse document frequency

☐ Scikit-learn

Correct

Bag of words, and term frequency and inverse document frequency (TF-IDF) are both common models used for NLP applications.

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Number correct: 4 out of 4

What is not a text-analysis category?

- ☒ Auto-c
- ☐ Classif
- ☐ Discov
- ☐ Derivin

Correct

Classifying text, discovering similarities, and deriving relationships are all categories of text analysis.

Continue



Number correct: 5 out of 5

Which capabilities are supported by Amazon Transcribe (Select TWO.)

- ☐ Change audio output in response to SSML tags.
- ☒ Convert streaming audio into text.
- ☒ Build subtitles for multiple languages.
- ☐ Translate audio into text.
- ☐ Analyze audio for sentiment.

Correct

Amazon Transcribe can recognize recorded voices, convert streaming audio into text, and build subtitles for multiple languages.

Continue



Number correct: 6 out of 6

How can you change the way Amazon Polly pronounces words?

☐ By slowing down the speech rate

☒ By adding SSML tags to the text

☐ By sending the text to a different region

☐ By improving the audio quality

Correct

You can change pronunciation of words by inserting SSML tags.

Continue



Number correct: 7 out of 7

Which capabilities are a part of Amazon Comprehend? (Select TWO.)

☐ Translate a document into another language

☒ Identify the language of the text

☐ Identify the sentiment of the text

☒ Determine the sentiment of the text

or mixed sentiment

☐ Convert the text to a different format

Correct

Amazon Comprehend can identify the language that's used and determine sentiment for documents.

Continue



Number correct: 8 out of 8

Which of the following AWS services would you use to launch a workflow based on input to an Amazon Lex chatbot?

- ☐ Amazon Lex
- ☐ Amazon Rekognition
- ☒ Amazon Lambda
- ☐ All of the above

Correct

With AWS Lambda you can automatically scale your Amazon Lex chatbot and launch additional workflows.

Continue



Number correct: 9 out of 9

You work for a company that builds applications that are used by a global audience. Which services could help you analyze how your customers use your applications? (Select TWO.)

- ☒ Amazon Translate
- ☒ Amazon Comprehend
- ☐ Amazon Rekognition
- ☐ Amazon Lex
- ☐ Amazon Polly

Correct

You could use Amazon Translate to translate feedback from your global audience, and Amazon Comprehend to analyze patterns of usage.

Continue



Number correct: 10 out of 10