

## Module 6 Knowledge Check

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

- Lack of memory
- Meaning ambiguity
- Multiple word interpretations
- Memory limitations

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 punctuation
- Removing stop words
- 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

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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



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  
 Scikit-learn

Correct

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

Continue



Number correct: 4 out of 4

What is not a text-analysis category?

- Auto-classify
- Classify
- Discover
- Derive

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 speech to text
- Build subtitles
- Translate text
- Analyze text

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 slow
- By adding SSML tags
- By sending text
- By importing text

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 used in a document
- Identify sentiment in a document
- Determine if a document is positive, negative, or mixed
- Convert text from one language to another

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 Lambda
- Amazon Simple Queue Service (SQS)
- Amazon Step Functions
- 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 CloudWatch Metrics
- Amazon CloudWatch Logs
- Amazon CloudWatch Metrics Insights

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