



# LearnMore

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Summarizer

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## Generated Questions

- What is the purpose of text normalization?
  - ☐ A. To reduce the effectiveness of NLP models
  - ☐ B. To increase the number of input variables for NLP models
  - ☐ C. To reduce the dimensionality of the input for NLP models
  - ☐ D. To introduce more variations in the words used in the raw text
- Which of the following is a component of text normalization?
  - ☐ A. Punctuation addition
  - ☐ B. Contractions reduction
  - ☐ C. Tokenization expansion
  - ☐ D. Stemming removal
- What is the advantage of reducing the vocabulary size in NLP?
  - ☐ A. To make the language more difficult to understand
  - ☐ B. To make it easier to identify word variations
  - ☐ C. To minimize the number of features for NLP models
  - ☐ D. To increase the dimensionality of input for NLP models
- What is the difference between stemming and lemmatization?
  - ☐ A. Stemming reduces words to their root form, while lemmatization reduces words to base words
  - ☐ B. Stemming and lemmatization are the same thing
  - ☐ C. Stemming reduces words to base words, while lemmatization reduces words to their root form
  - ☐ D. Stemming and lemmatization reduce words to synonyms
- Which of the following is an example of a hypernymy relation?
  - ☐ A. Car is a kind of vehicle
  - ☐ B. An air bag is part of a car
  - ☐ C. A tomato is a type of vegetable
  - ☐ D. A book is related to an author
- What is entropy in intrinsic evaluation measures of language models?
  - ☐ A. A measure of uncertainty
  - ☐ B. A measure of similarity
  - ☐ C. A measure of frequency
  - ☐ D. A measure of perplexity
- Which of the following is a way to measure the performance of n-gram language models in predicting the probabilities of sentences?
  - ☐ A. Intrinsic evaluation measures
  - ☐ B. Extrinsic evaluation measures
  - ☐ C. Stemming-based evaluation measures
  - ☐ D. Tokenization-based evaluation measures
- What is the purpose of WordNet in lexical semantics?
  - ☐ A. To solve word sense ambiguity
  - ☐ B. To remove offensive words
  - ☐ C. To provide a list of synonyms for each word
  - ☐ D. To classify relationships between words
- What is the main advantage of dense word embeddings?
  - ☐ A. They have fewer parameters
  - ☐ B. They are better at capturing synonymy
  - ☐ C. They are easier to include as features in machine learning systems
  - ☐ D. All of the above
- What is the objective function in Word2Vec?
  - ☐ A. To maximize the likelihood of the center word given the context words
  - ☐ B. To maximize the entropy of the center word
  - ☐ C. To minimize the sum of squared errors
  - ☐ D. To minimize the log likelihood of the context words given the center word

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