



Text Classification Models

Instructor Video

Text Generation Models



Instructor Video

Text Classification Models

Segregate Based on context

- Sentiment Analysis
- Spam Detection
- > News Categorization, etc



Instructor Video

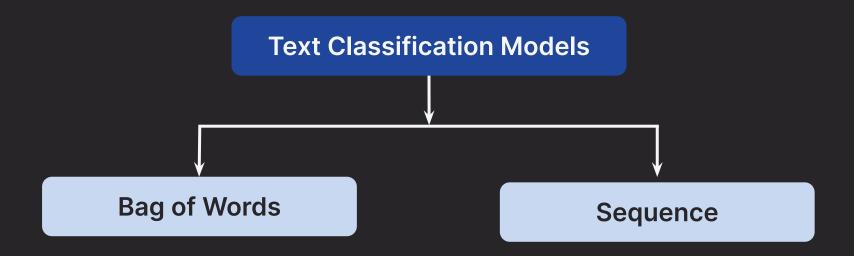
Text Generation Models

Generate text based on context

- Text summarization
- Autocomplete suggestions
- Question Answering, etc

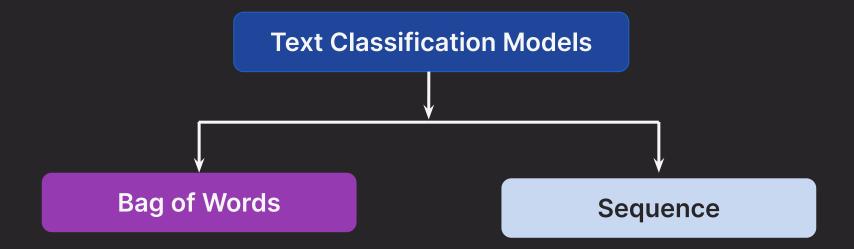


NLP Model



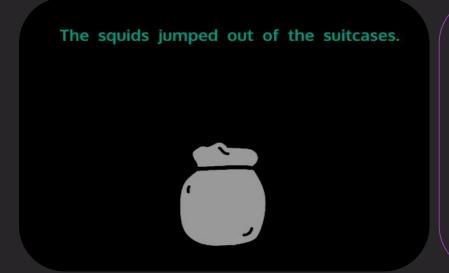


NLP Model





Bag of Words



Sentence or document is represented as the **bag of its wordset**.

Bag of words disregards grammar and sequence



Bag of Words

Scrabble



Bag of Words





The process of dismantling the sentences, paragraphs and articles into smaller chunks is called tokenization.



NLP bridges the gap between human language and machines. It allow computers to understand the meaning behind words and generate human-like text. This powerful technology has a wide range of applications. NLP is constantly evolving, playing an increasingly important role in our interactions.

Sentence Tokenization

NLP bridges the gap between human language and machines.

This powerful technology has a wide range of applications.

It allow computers to understand the meaning behind words and generate human-like text.

NLP is constantly evolving, playing an increasingly important role in our interactions.



Hello world!

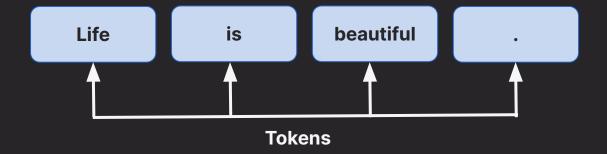
Character Tokenization

Helloworld!



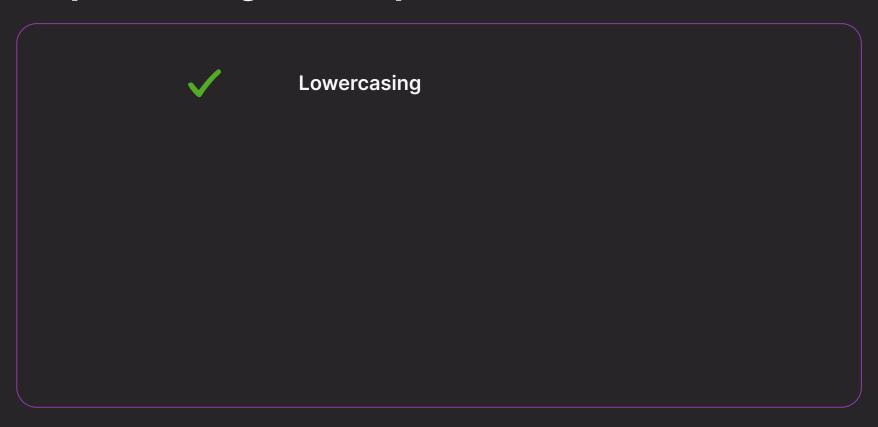
Life is beautiful.

Word Tokenization













Lowercasing



Removing Punctuation and Special Characters





Lowercasing



Removing Punctuation and Special Characters



Stop Words Removal





Lowercasing



Removing Punctuation and Special Characters



Stop Words Removal



Stemming and Lemmatization





Removing Punctuation and Special Characters

Stop Words Removal

Stemming and Lemmatization

Vocabulary Building





Removing Punctuation and Special Characters

Stop Words Removal

Stemming and Lemmatization

Vocabulary Building

Vectorization