NATURAL LANGUAGE PROCESSING TWO POSSIBLE WORKFLOWS

BAG OF WORDS



Load data







	World	quiz
Doc A	4	0
Doc B	0	5
:		

Tokenize text

Pre-process tokens (stemming, lemmatization, remove stops words, ...)
Generate a **document feature matrix** (DFM)



- Use labeled data to **train your model** and to classify texts
- Use **dictionary-based approaches** for topic models or sentiment analysis

- ...





Load data
Load pre-trained tokenizer
Load pre-trained model





Tokenize text with pre-trained tokenizer (preprocessing happens under the hood)

Use labeled data to **fine-tune pre-trained models** for text classification, sentiment analysis, translation, question answering, ...



© Tutorial: **Tokenizer pipeline**https://huggingface.co/docs/tokenizers/pipeline



Tutorial: Fine-tune pre-trained model
https://huggingface.co/docs/transformers/training



Different tasks at Huggingface https://huggingface.co/tasks