Practical NLTK

A howto to use NLTK
for practical motivations

$ git clone https://github.com/davidam/python-examples.git

Practical NLTK: Summary

Sentiment analysis
Detect gender
Sentence Similarity
Text Summary
Classify Documents
Manage words: singulars/plurals, dict entries
Gramatical trees
Extract keywords
Disambiguation

Sentiment Analysis

$ python3 tweet-sentyment.py

Detecting the gender

$ python3 sexmachine.py

Sentence similarity

$ python3 sentence-similarity.py

Text Summarize

$ python3 text-summarize.py

Classify Documents

$ python3 doc-classification-ch06.py

Classify Newsgroups

$ python3 nltk-sklearn.py

Synonyms and Antonyms

$ python3 synonyms-antonyms.py

Singulars and Plurals

$ python3 stem.py

Lemmas: dictionary entries

$ python3 wordnet-lemmatizer.py

Trees

I can build a gramatic or semantic tree from a sentence

$ python3 semantic-tree.py

I can generate sentences from a gramatic

$ python3 howtos/generate.py

I can visualize a gramatic

$ python3 parse-tree.py

I can print a tree from sintactic pairs

$ python3 code-chinker.py

I can build sintactic pairs from a sentence and print a tree

$ python3 tokenizeandtag.py

Corpus

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$ python3 gutenberg.py

$ python3 corpus-howto-new-corpus.py
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Keywords: rake algorithm

$ python3 nltk-rake.py

Bag of Words

$ python3 bag-of-words.py

Disambiguation

$ python test_all_words_wsd.py

$ python test_wsd.py

Remember synset

$ python3 wordnet-example.py

Sharing data models: pickle

$ python3 nltk-pickle.py

Using perceval with nltk

$ python3 perceval_git_counter_sexmachine.py

$ python3 perceval_mbox_sexmachine.py

Support Python and Libremanuals

El Tutorial de Python

por Guido Van Rossum