

Practical NLTK

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Practical NLTK: Summary

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

- 1 Sentiment Analysis
- 2 Detect Gender
- 3 Sentence Similarity
- 4 Text Summary
- 5 Classify Documents
- 6 Manage Words

singulars/plurals, dictionary entries, stopwords

- 1 Gramatical Trees
- 2 Extract Keywords
- 3 Disambiguation

Tweets positives versus negatives

```
$ python3 tweet-sentymment.py  
$ python3 tweepy-example.py
```

Your name is your gender

```
$ python3 sexmachine.py  
$ python3 perceval_git_counter_sexmachine.py  
$ python3 perceval_mbox_sexmachine.py
```

Sentence Similarity

Your name is your gender

```
$ python3 sentence-similarity.py
```

Classify Documents

Classify Documents

```
$ python3 doc-classification-ch06.py
```

Classify Newsgroups

Classify Newsgroups

```
$ python3 nltk-sklearn.py
```

Synonyms and Antonyms

Synonyms and Antonyms

```
$ python3 synonyms-antonyms.py
```


Singulars and Plurals

Singulars and Plurals

```
$ python3 stem.py
```

Lemmas: dictionary entries

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 obtain bigrams, trigrams or ngrams

```
$ python3 bigrams-trigrams.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

```
$ python3 gutenber.py  
$ python3 corpus-howto-new-corpus.py
```

Keywords: rake algorithm

Keywords: rake algorithm

```
$ python3 nltk-rake.py
```

Disambiguation

```
$ python test_all_words_wsd.py  
$ python test_wsd.py  
  
# Remember synset  
$ python3 wordnet-example.py
```

Sharing data models: pickle

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```
$ python3 nltk-pickle.py
```

El Tutorial de Python por Guido Van Rossum