

Resources

Natural Language Processing

Libraries

- [Natural Language Toolkit — NLTK 3.5 documentation](#)
- [spaCy · Industrial-strength Natural Language Processing in Python](#)
- [gensim: Topic modelling for humans](#)
- [TextBlob: Simplified Text Processing — TextBlob 0.16.0 documentation](#)
- [dmlc/gluon-nlp: NLP made easy](#)
- [huggingface/transformers: 🤗 Transformers: State-of-the-art Natural Language Processing for Pytorch and TensorFlow 2.0.](#)

Blogs

- [Text Preprocessing in Python: Steps, Tools, and Examples](#)
- <https://jalammar.github.io/illustrated-bert/>
- [Deep Learning, NLP, and Representations](#)
- [CS 230 - Recurrent Neural Networks Cheatsheet](#)
- [Animated RNN, LSTM and GRU. Recurrent neural network cells in GIFs | by Raimi Karim](#)
- [Understanding LSTM Networks](#)
- [Illustrated Guide to LSTM's and GRU's: A step by step explanation](#)
- [Understanding LSTM and its diagrams - ML Review](#)
- [The Unreasonable Effectiveness of Recurrent Neural Networks](#)
- [natural language processing Deep Learning for NLP Best Practices Neural networks are widely used in NLP](#)
- [7 types of Artificial Neural Networks for Natural Language Processing](#)

Summary & trends

- [Modern Deep Learning Techniques Applied to Natural Language Processing by Authors](#)
- [NLP-progress: Tracking Progress in Natural Language Processing](#)

Guides & Tutorials

- [Introduction | ML Universal Guides](#)
- [NirantK/nlp-python-deep-learning: NLP in Python with Deep Learning](#)
- [hb20007/hands-on-nltk-tutorial: The hands-on NLTK tutorial for NLP in Python](#)
- [How to train a new language model from scratch using Transformers and Tokenizers](#)

Books

- [NLTK Book](#)
- [Speech and Language Processing \(3rd ed draft\) Dan Jurafsky and James H 315 retweets](#)

Papers

- <https://arxiv.org/pdf/1103.0398.pdf>
- [Distributed Representations of Words and Phrases and their Compositionality](#)
- [GloVe: Global Vectors for Word Representation](#)

Datasets

- [niderhoff/nlp-datasets: Alphabetical list of free/public domain datasets with text data for use in Natural Language Processing \(NLP\)](#)
- [karthikncode/nlp-datasets: A list of datasets/corpora for NLP tasks, in reverse chronological order.](#)