

## Acknowledgments on External NLP Tools

### Stanford CoreNLP

Website: <http://stanfordnlp.github.io/CoreNLP/>

#### CoreNLP Pipeline:

Manning, Christopher D., Mihai Surdeanu, John Bauer, Jenny Finkel, Steven J. Bethard, and David McClosky. 2014. The Stanford CoreNLP Natural Language Processing Toolkit In Proceedings of the 52nd Annual Meeting of the Association for Computational Linguistics: System Demonstrations, pp. 55-60.

#### Dependency parser:

Danqi Chen and Christopher D Manning. 2014. A Fast and Accurate Dependency Parser using Neural Networks. Proceedings of EMNLP 2014

#### Dependencies representation:

Joakim Nivre, Marie-Catherine de Marneffe, Filip Ginter, Yoav Goldberg, Jan Hajič, Christopher D. Manning, Ryan McDonald, Slav Petrov, Sampo Pyysalo, Natalia Silveira, Reut Tsarfaty, and Daniel Zeman. 2016. Universal Dependencies v1: A Multilingual Treebank Collection. In LREC 2016.

#### English Universal Dependencies converter and the enhanced English Universal Dependencies representation:

Sebastian Schuster and Christopher D. Manning. 2016. Enhanced English Universal Dependencies: An Improved Representation for Natural Language Understanding Tasks. In LREC 2016.

#### (English) Stanford Dependencies representation:

Marie-Catherine de Marneffe, Bill MacCartney and Christopher D. Manning. 2006. Generating Typed Dependency Parses from Phrase Structure Parses. In LREC 2006.

#### German parser:

Anna Rafferty and Christopher D. Manning. 2008. Parsing Three German Treebanks: Lexicalized and Unlexicalized Baselines. In ACL Workshop on Parsing German.

#### Chinese Parser:

Roger Levy and Christopher D. Manning. 2003. Is it harder to parse Chinese, or the Chinese Treebank? ACL 2003, pp. 439-446.

#### Chinese Stanford Dependencies:

Pi-Chuan Chang, Huihsin Tseng, Dan Jurafsky, and Christopher D. Manning. 2009. Discriminative Reordering with Chinese Grammatical Relations Features. In Proceedings of the Third Workshop on Syntax and Structure in Statistical Translation.

#### French parser:

Spence Green, Marie-Catherine de Marneffe, John Bauer, and Christopher D. Manning. 2010. Multiword Expression Identification with Tree Substitution Grammars: A Parsing tour de force with French.. In EMNLP 2011.

#### Sentiment Analysis:

Richard Socher, Alex Perelygin, Jean Wu, Jason Chuang, Christopher Manning, Andrew Ng and Christopher Potts. Recursive Deep Models for Semantic Compositionality Over a Sentiment

## Treebank Conference on Empirical Methods in Natural Language Processing (EMNLP 2013)

### POS Tagging:

Kristina Toutanova and Christopher D. Manning. 2000. Enriching the Knowledge Sources Used in a Maximum Entropy Part-of-Speech Tagger. In Proceedings of the Joint SIGDAT Conference on Empirical Methods in Natural Language Processing and Very Large Corpora (EMNLP/VLC-2000), pp. 63-70.

Kristina Toutanova, Dan Klein, Christopher Manning, and Yoram Singer. 2003. Feature-Rich Part-of-Speech Tagging with a Cyclic Dependency Network. In Proceedings of HLT-NAACL 2003, pp. 252-259.

### Named Entity Recognition:

Jenny Rose Finkel, Trond Grenager, and Christopher Manning. 2005. Incorporating Non-local Information into Information Extraction Systems by Gibbs Sampling. Proceedings of the 43rd Annual Meeting of the Association for Computational Linguistics (ACL 2005), pp. 363-370.  
<http://nlp.stanford.edu/~manning/papers/gibbscrf3.pdf>

### CSV utility library

OpenCSV: <http://opencsv.sourceforge.net>

### Apache Lucene

Website: <https://lucene.apache.org>

### WordNet

Website: <https://wordnet.princeton.edu/wordnet/>

George A. Miller (1995). WordNet: A Lexical Database for English. Communications of the ACM Vol. 38, No. 11: 39-41.

Christiane Fellbaum (1998, ed.) WordNet: An Electronic Lexical Database. Cambridge, MA: MIT Press.

### FrameNet

Website: <https://framenet.icsi.berkeley.edu/fndrupal/>

The Berkeley FrameNet Project:

Authors:

- Collin F. Baker
- Charles J. Fillmore
- John B. Lowe

CiteWeb id: 19980000533

CiteWeb score: 2047

DOI: 10.3115/980845.980860

### Gephi

Website: <https://gephi.org>

Bastian M., Heymann S., Jacomy M. (2009). Gephi: an open source software for exploring and manipulating networks. International AAAI Conference on Weblogs and Social Media.

### JGraph

JGraph— A Java Based System for Drawing Graphs and Running Graph Algorithms (inbook)

Publisher  
Springer Berlin Heidelberg  
Year  
2002  
Editor  
Mutzel, Petra and Jünger, Michael and Leipert, Sebastian  
Author  
Bagga, Jay and Heinz, Adrian  
Type  
10.1007/3-540-45848-4\_45  
Address  
Berlin, Heidelberg % @ 978-3-540-45848-7  
Pages  
459-460  
Booktitle  
Graph Drawing: 9th International Symposium, GD 2001 Vienna, Austria, September 23–26, 2001 Revised Papers  
Caption  
Bagga2002  
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Url  
[http://dx.doi.org/10.1007/3-540-45848-4\\_45](http://dx.doi.org/10.1007/3-540-45848-4_45)  
Local Files  
Remote URLs  
[http://dx.doi.org/10.1007/3-540-45848-4\\_45](http://dx.doi.org/10.1007/3-540-45848-4_45)

### Computerized Linguistic Analysis System (CLAS)

Website: <http://rxinformatics.umn.edu/clas.html>

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### MALLET

Website: <http://mallet.cs.umass.edu/index.php>

McCallum, Andrew Kachites. "MALLET: A Machine Learning for Language Toolkit."  
<http://mallet.cs.umass.edu>. 2002.

### Word2Vec (Deeplearning4j)

Website: <https://deeplearning4j.org/index.html>

Deeplearning4j Development Team. Deeplearning4j: Open-source distributed deep learning for the JVM, Apache Software Foundation License 2.0. <http://deeplearning4j.org>

### DependenSee

Website: <http://chaoticity.com/dependensee-a-dependency-parse-visualisation-tool/>