

# Truth Teller

---

## *About this release*

TruthTeller is released as part of Excitement Open Platform (EOP). See <http://www.excitement-project.eu/> for more information.

This distribution is a portion of binaries taken from compiled code of the EOP.

To get the source code, the user is kindly asked to download the EOP itself.

## *System requirements*

Architecture: x86\_64

OS: Windows or Linux

## *License*

TruthTeller is released under the terms of Excitement Open Platform. In particular, it is restricted to GPL-v3 terms.

## *Citation*

Users may include results that are based solely or partially on TruthTeller in their publications. We kindly ask such users to include a reference to the following paper in the publication's reference list:

Amnon Lotan, Asher Stern and Ido Dagan, *TruthTeller: Annotating Predicate Truth*, 2013. In proceedings of NAACL

## *Usage*

To run TruthTeller, please perform the following steps:

1. Download the distribution package: "truth\_teller.zip".
2. Extract it to a directory in your hard-drive.
3. Open a command line window (a terminal), and "cd" to the directory into where you extracted the distribution package.
  - a. Note, on linux make sure that you use "bash" shell. If you are not sure, type "bash", press enter, and make sure that no error message is displayed.
4. Run Easy-First parser, as follows:
  - a. On Windows: type "run\_ef" and press enter.
  - b. On linux: type "./run\_ef.sh" and press enter.

- i. If you encounter a problem in running this script, run “chmod a+x run\_ef.sh” and “chmod a+x easy\_first/linux\_python/bin/python2.7”.
5. Wait until it prints “Use Ctrl-C to quit.”
6. Open a second command line window (a terminal), as above. On Linux, make sure you use “bash”.
7. In order to have TruthTeller annotate the sentences in the provided example input file, run it as follows:
  - a. On windows, type “run -f examples.txt” and press enter.
  - b. On linux, type “./run.sh -f examples.txt” and press enter.
    - i. If you encounter a problem in running this script, run “chmod a+x run.sh” and “chmod a+x java/linux/jdk1.7.0\_10/bin/java”
8. A directory named “annotatedSentences” should be created with several files, for each line of the “examples.txt” file.
9. Similarly, in order to annotate your own sentences, create your own input file as follows:
  - a. The file should be a text file.
  - b. Each line should contain a single sentence. Empty lines are prohibited.
  - c. The file name should be given as the argument in the command line, after the “-f” flag.

## Output

TruthTeller’s output is a CoNLL-format file for each sentence (see <http://ilk.uvt.nl/conll/#dataformat> for more information about CoNLL format).

The text format is just like CoNLL, with 4 additional columns to hold the values of our annotations:

1. Signature
2. NU (Negation Uncertainty)
3. CT (Clause Truth)
4. PT (Predicate Truth)

The following figure illustrates the output:

ID	FORM	LEMMA	CPOSTAG	POSTAG	FEATS	HEAD	DEPREL	PHEAD	PDEPREL	SIGNATURE	NU	CT	PT
1	sentence	sentence	NOUN	NN	–	0	ROOT	–	–	+/?NoF	P	P	P
2	This	this	DETERMINER	DT	–	1	nsubj	–	–	–	–	–	–
3	is	be	VERB	VBZ	–	1	cop	–	–	+/-	P	U	U
4	an	an	DETERMINER	DT	–	1	det	–	–	–	–	–	–
5	annotated	annotated	ADJECTIVE	JJ	–	1	amod	–	–	–	P	–	–
6	test	test	NOUN	NN	–	1	nn	–	–	–	P	–	–
7	,	,	PUNCTUATION	,	–	1	punct	–	–	–	–	–	–

## Support

For support, please contact:

biutee – at – cs.biu.ac.il