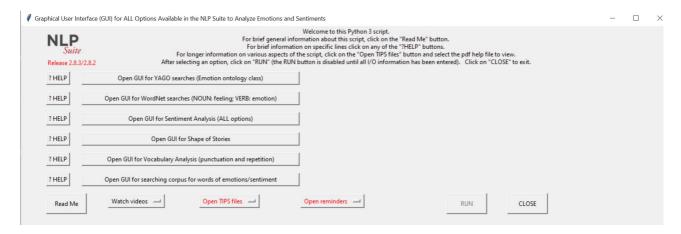
#### The Word of Emotions and Sentiments

A	pproaches to emotions and sentiments	1
	YAGO with ontologyy class Emotion	
	WordNet (NOUN: feeling; VERB: emotion)	
	Sentiment Analysis algorithms	
	The Shape of stories	
	The rhetorical approach: Figures of pathos (puntuation and repetition)	
	Searching for words of emotions/sentiment	
	bearening for words of emotions/sentiment	

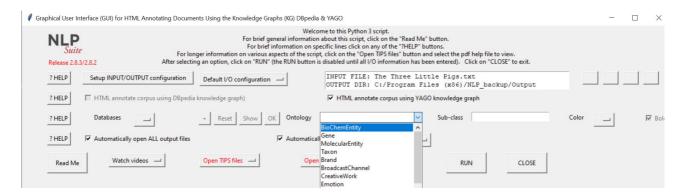
# Approaches to emotions and sentiments

The NLP Suite offers several ways of analyzing emotions and sentiments. You can access all available options via the script sentiments emotions ALL main.py.



# YAGO with ontologyy class Emotion

Click on the button *Open GUI for YAGO searches (Emotion ontology class)*.



The YAGO knwledge graph will annotate your corpus for emotions by selecting the Emotion ontology class.

WordNet (NOUN: feeling; VERB: emotion)

Click on the button *Open GUI for WordNet searches (NOUN: feeling; VERB: emotion)*.

	sterface (GUI) for WordNet tools	act		-		×
NLP Suit Release 2.8.	For longer information on various aspects of the script, click on the "Ope	artifact attribute body	tton. ns. elect the pdf help file to view. entered). Click on "CLOSE" to exit.  Pigs.txt pigs.txt (x86) /NLP backup/Output			
? HELP	Select INPUT CSV file	feeling food	S (XOO)/NEE_Backup/Output			
? HELP	WordNet category (synset) NOUN —	group location				
? HELP	✓ Zoom IN/DOWN to find related words     +     Reset     Show     Keyword (synset)	motive object	YOUR keyword(s)		ОК	

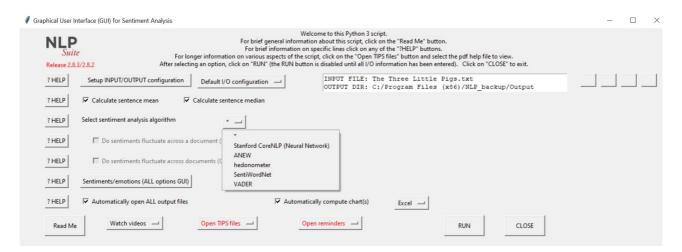
The WordNet category (synset) feeling for NOUN will give you a list of all nuns that express feelings. You can then use the list to annotate your corpus.

Selecting VERB as the WordNet category and emotion you can get a list of all verbs that express emotions. You can then use the list to annotate your corpus.

	- 🗆 ×
Welcome to this Python 3 script.  For brief general information about this script, click on the "Read Me" button. For brief information on specific lines click on any of the "?HELP" buttons. For longer information on various aspects of the script, click on the "Open TIPS files" button and select the pdf help Release 2.8.3/2.8.2 After selecting an option, click on "RUN" (the RUN button is disabled until all I/O information has been entered). Click or	
PHELP   Setup   NPUT/OUTPUT configuration   Default   / O configuration   INPUT FILE: The Three Little Pigs.txt OUTPUT DIR: C:/Program Files (x86)/NLP	backup/Output
? HELP Select INPUT CSV file	
? HELP WordNet category (synset) VERB —	
? HELP    Zoom IN/DOWN to find related words + Reset Show Keyword (synset)   YOUR keyword	(s) OK
PHELP □ Annotate corpus (using WordNet csv output file from Zoom IN/DOWN) change	
communication	output file from Zoom IN/DOWN)
PHELP         Zoom OUT/UP (classify/aggregate lemmatized words in csv file)         competition consumption	
PHELP	
emotion	

### Sentiment Analysis algorithms

Click on the button *Open GUI for Sentiment Analysis (ALL options)*.



The GUI will give you access to the heart of sentiment analysis, to the algorithms that carry out sentiment analysis. Various approaches are available, the Stanford CoreNLPP neural network approach, no doubt the most accurate, and the dictionary based approaches from ANEW to hedonometer, SentiWordNet, and VADER, mostly designed for social media platforms.

# The Shape of stories

Click on the button Open GUI for Shape of Stories.

Graphical User Interface (GUI) for "Shape of Stories" Extraction and Visualization Pipeline	- □ ×
Welcome to this Python 3 script.  For brief general information about this script, click on the "Read Me" button. For brief information on specific lines click on any of the "?HELP" buttons. For longer information on various aspects of the script, click on the "Open TIP5 files" button and select the pdf help file to view.  Release 2.8.3/2.8.2  After selecting an option, click on "RUN" (the RUN button is disabled until all I/O information has been entered). Click on "CLOSE" to exit.	
? HELP     Setup INPUT/OUTPUT configuration     Default I/O configuration     INPUT FILE: The Three Little Pigs.txt       OUTPUT DIR: C:/Program Files (x86)/NLP_backup/Output	
? HELP     Sentiment Analysis     Select the Sentiment Analysis algorithm     Stanford CoreNLP Neural Network     —     Memory     6	
? HELP	
? HELP    ✓ Hierarchical Clustering (HC)	
? HELP   ✓ Singular Value Decomposition (SVD)	
? HELP   ▼ Non-Negative Matrix Factorization (NMF)	
? HELP	
? HELP	
Read Me Watch videos — Open TIPS files — Open reminders — RUN CLOSE	

Using the scores computed by the sentiment analysis algorithms, the algorithms will compute and visualize the underlying common shapes across stories.

# The rhetorical approach: Figures of pathos (puntuation and repetition)

Click on the button *Open GUI for Vocabulary Analysis (punctuation and repetition)*.

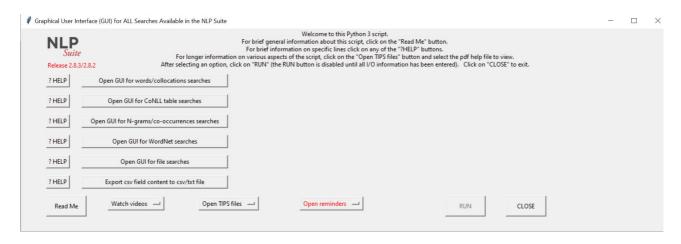
aphical User In	terface (GUI) for Style Analysis			=	×
NLP Suite Release 2.8.3	For lor	For brief general inform For brief information Iger information on various aspects of the		the "Read Me" button.	
? HELP	Setup INPUT/OUTPUT configuration	Default I/O configuration —		Three Little Pigs.txt Program Files (x86)/NLP_backup/Output	
? HELP	☐ By sentence index				
? HELP	CoNLL table analysis (GUI)				
? HELP	Complexity/readability analysis	Select the complexity/readability analys	is you wish to perform	_	
? HELP	▼ Vocabulary analysis	Select the vocabulary analysis you wish	to perform	_	
? HELP	☐ N-grams analysis	Select the n-grams analysis you wish to	perform	* Abstract/concrete vocabulary	
? HELP	Who wrote the text - Gender guesser			Vocabulary richness (word type/token ratio or Yule's K) Punctuation as figures of pathos (? !)	
? HELP	✓ Automatically open ALL output files	✓ Autom	atically compute chart(s)	Short words (<4 characters)  Vowel words	
Read Me	Watch videos —	Open TIPS files 🔟	Open reminders 😅	Words with capital initial (proper nouns) Unusual words (via NLTK) Language detection Repetition: Last N words of a sentence/First N words of next sentence	

The GUI will allow you to extract any question marks and exclamation marks. These punctuation symbols have been labeled in rhetoric as "figures of pathos." We expresses our emotions with the use of ? and !, sometimes repeatedly ??? or in combination ??!!

Similarly, in rhetoric, repetion is used to express pathos, sometimes in combination with ? or ! as in "Why? Why?"

# Searching for words of emotions/sentiment

Click on the button *Open GUI for searching corpus for words of emotions/sentiment*.



The GUI will give you access to all search options available in the NLP Suite. You can then search your corpus for words of emotions/feelings as extracted via YAGO and WordNet.