NLP Suite
Tools of Linguistic Analysis

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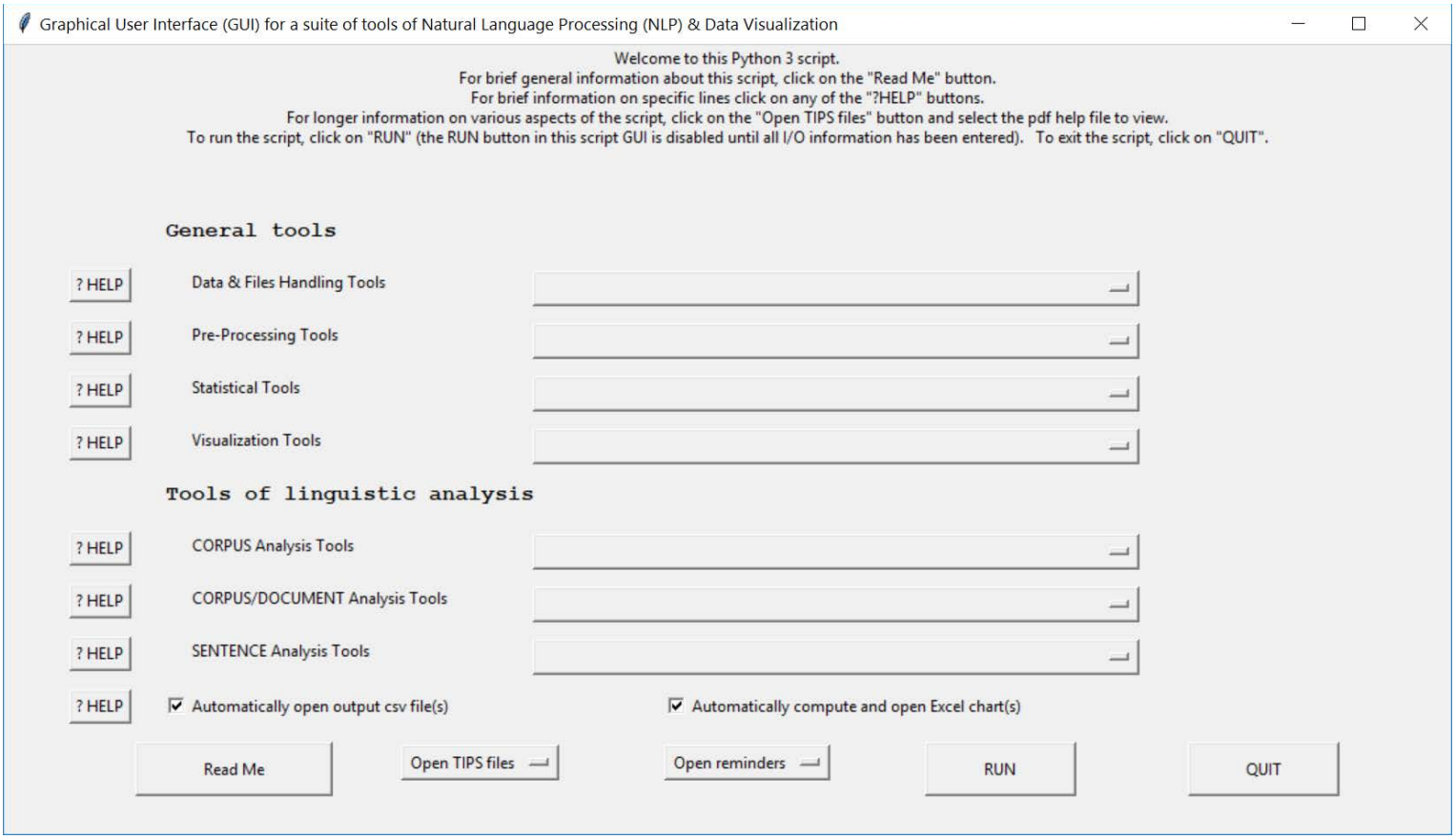
The NLP Suite main GUI (Graphical User Interface)

When you fire up NLP_main.py in command line, you will display the main NLP Suite GUI.



As the GUI makes clear, the NLP Suite provides two sets of tools: General tools and tools for linguistic analysis of texts via Natural Language Processing (NLP). This TIPS file provides a brief introduction to General tools. Read the TIPS_NLP_NLP Suite Tools of linguistic analysis.pdf.

Select any of the tools using the dropdown menu and then click on RUN to open more specialized GUIs. The NLP GUI is only a front-end display of all the things you can do with the NLP Suite.

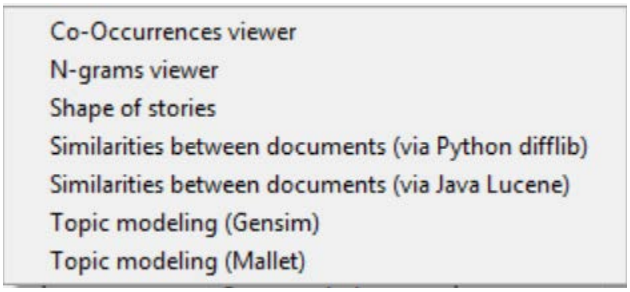
Tools of linguistics analysis

The label groups together a number of tools for dealing with the automatic computational analysis of texts, an approach better known as Natural Language Processing (NLP). The tools are divided into three broad classes depending upon what they require in input: a corpus of multiple documents, a corpus or a single file. And whatever

the input (corpus or single document) the Sentence Analysis Tools allow you to zoom into a more fine-grained analysis of texts at the sentence level.

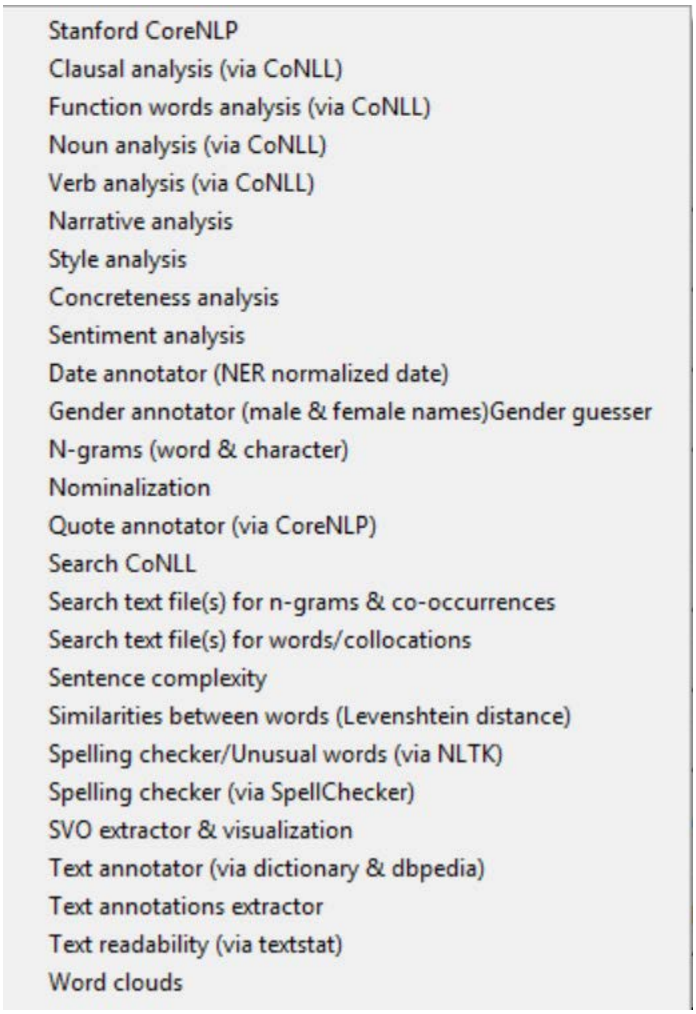
CORPUS Analysis Tools

The tools in this group can ONLY be applied to a set of documents in input. They cannot be applied to a single document. Topic modeling with Mallet requires a further download and installation of the freeware Mallet.



CORPUS/DOCUMENT Analysis Tools

The tools under this label are the largest set of NLP tools in the Suite. At the heart of the group is the freeware, open source **Stanford CoreNLP** set of tools (parser, coreference, gender annotator, date and quote extractor). The Stanford CoreNLP parser produces in output the CoNLL table which is the basis of a large number of analytical tools in the NLP Suite (e.g., clausal analysis, noun and verb analysis). You will also find here such tools as Sentiment or Concreteness analysis or the SVO (Subject-Verb-Object extractor.



SENTENCE Analysis Tools

In this group, you will find tools that allow you to go deeper into the analysis of texts. Instead of broad, sweeping views of your corpus afforded by Topic modeling tools or n-grams Viewer, the sentence-level tools act more like a microscope rather than a telescope. By visualizing the behavior of various textual indicators by sentence index, the tools give you a way to explore the tempo of writing.