Announcement
QuitaUp - a tool for quantitative stylometric analysis

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A new online tool for quantiatitive text analysis was developed by Institute of the Czech National Corpus and University of Ostrava. The QuitaUp application, created by Václav Cvrček, Radek Čech and Miroslav Kubát, provides a simple program for calculating severeal quantitative text properties such as lexical richness, average token length, or thematic concentration. The application is available for free as one of the online tools provided by Czech National Corpus.[1]

The program supports a variety of file types (txt, doc, rtf, odt, pdf) and allows analyzing multiple documents simultaneously. The obtained resulting values can be downloaded as a CSV file. QuitaUp includes text-processing functions such as tokenization, lemmatization, POS tagging, syntactic parsing. These functions are currently available for more than twenty languages. This text processing is based on the UDPipe models.[2]

QuitaUp provides calculation of the following quantitative text properties:

- Type-token ratio
- h-point
- Frequency of hapaxes (legomenon)
- Ratio of hapaxes to tokens
- Entropy
- Verb distance
- Activity
- Descriptivity
- Average token length
- Thematic concentration
- Secondary thematic concentration
- Moving Average TTR
- zTTR (normalized TTR)
- Moving average of morphological richness

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[1] Availble at https://korpus.cz/quitaup/.
[2] More informazion about UDPipe models can be found at http://ufal.mff.cuni.cz/udpipe.

QuitaUp conceptually follows-up similar tools QUITA and QUITA Online. The original QUITA software was created in 2013 at Palacký University in Olomouc as a student project led by Radek Čech, the rest of the team consisted of students Vladimír Matlach and Miroslav Kubát.[3] QUITA Online is a paid online application built by Vladimír Matlach at Palacký University in Olomouc providing more advanced statistical tools (e.g. MDA, PCA, SVM).[4]

References

Cvrček, V., Čech, R., Kubát, M. (2020): *QuitaUp – a tool for quantitative stylometric analysis*. Czech National Corpus and University of Ostrava. Available on https://korpus.cz/quitaup/. (software)

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[3] The original QUITA program is freely available at https://kcj.osu.cz/wp-content/uploads/2018/06/QUITA_Setup_1190.zip
[4] More information can be found on the project website http://kol.ff.upol.cz/quita/.