

Glottometrics 1,2001

Best, K.-H.

Zur Gesetzmäßigkeit der Wortverteilung in deutschen Texten 1

It is shown that the ranked frequencies of word classes in 160 German newspaper texts abide by the 1-displaced negative hypergeometric distribution. All results are shown in detail and Ord's criterion is used for classification.

Kaßel, A., Livesey, E.

Untersuchungen zur Satzlängenhäufigkeit im Englischen: Am Beispiel von Texten aus Presse und Literatur (Belletristik) 27

For sentence length measured in terms of the number of words in 20 English texts it is shown that both non-pooled and pooled data abide by two theoretical distributions, namely the 1-displaced negative binomial and the 1-displaced mixed Poisson distributions. The counting criteria for English are presented.

Marx, M.

Zu den Wortlängen in polnischen Briefen 52

It is shown that word length in 23 Polish letters of Stanislaw Witkiewicz can exclusively be modelled by the hyperpoisson distribution.

Sanada; H.

New *Kango* of early Meiji era: their survival and disappearance from Meiji to the present 63

This is one of a series of Chinese-character translation of European words focusing on changes they underwent during the Meiji era (1868-1912) and the extent of their survival in the present-day vocabulary. The aim of this study is to describe a part of histories of Japanese vocabulary, using statistical methods and combining former and later wordfrequency lists. This is not similar to former studies which were studies of the histories of individual words. In the present study Chinese-character translation equivalents from the *Tetsugaku Jii* (Dictionary of Philosophy) (1811) are classified in groups based on their frequency of use/appearance in various materials up to the present day, and the characteristics of each wordgroup are analysed.

Kromer, V.

Word length model based on one-displaced Poisson-uniform distribution 87

Starting from the Fuchs-Gačević model of word length distribution

the parameter of the Poisson distribution is randomized and the Poisson-uniform distribution is obtained. Tests on 10 German newspaper texts yield satisfactory fittings.

Ziegler, A., Best, K.-H., Altmann, G.

A contribution to text spectra

97

Three methods for the evaluation of word classes are shown: (i) A test criterion to evaluate the nominal/verbal character of a text; (ii) the curves of the sequential increase of word classes and (iii) the construction of a fuzzy graph based on the cooccurrence of word classes

Wimmer, G., Altmann, G.

Some statistical investigations concerning word classes

109

Starting from the vector of word class frequencies in a text, methods for the construction of confidence intervals and tests for the mutual dependence of word classes are developed. The models are exemplified on German and Portuguese texts.

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Contributions in English or German written with a common text processing system (preferably WORD) should be sent to one of the editors

Glottometrics can be downloaded from the **Internet**, obtained on **CD-ROM** (in PDF) or in form of **printed copies**

Herausgeber/Editors:

G. Altmann	02351973070-0001@t-online.de
K.-H. Best	kbest@gwdg.de
A. Hardie	a.hardie@lancaster.ac.uk
L. Hrebicek	hrebicek@orient.cas.cz
R. Köhler	koehler@uni-trier.de
V. Kromer	kromer@newmail.ru
O. Rottmann	otto.rottmann@t-online.de
A. Schulz	reuter.schulz@t-online.de

G. Wimmer	wimmer@mat.savba.sk
A. Ziegler	arneziegler@compuserve.de

Herunterladen/ Downloading: <http://www.ram-verlag.de>

ISSN 1617-8351