

1. Record Nr.	UNINA9910453126603321
Autore	Kageura Kyo <1964->
Titolo	The Quantitative analysis of the dynamics and structure of terminologies [[electronic resource] /] / Kyo Kageura, University of Tokyo
Pubbl/distr/stampa	Amsterdam, : John Benjamins Publishing Company, 2012
ISBN	1-283-89518-8 90-272-7246-8
Descrizione fisica	1 online resource (263 p.)
Collana	Terminology and Lexicography Research and Practice, , 1388-8455 ; ; Volume 15
Disciplina	401/.4
Soggetti	Lexicography - Data processing Terms and phrases - Data processing Linguistics - Statistical methods Computational linguistics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	The Quantitative Analysis of the Dynamics and Structure of Terminologies; Editorial page; Title page; LCC data; Table of contents; Acknowledgements; Preface; Terminology and lexicology; Quantitative approach; The context and the framework of the present study; A note on typographical conventions; Background; The sphere of terminology; 1.1. Lexicology: Its definition and status; 1.1.1. The definition of lexicology; 1.1.2. Vocabulary as a concrete object of language and lexicology; 1.1.3. Vocabulary and utterances; 1.2. Terminology: Its definition and status; 1.2.1. What are terms? 1.2.2. Terminology and terms 1.3. Vocabulary and terminology; 1.3.1. Vocabulary and terminology as a set; 1.3.2. Characteristics of words and terms; 1.4. Quantitative approaches to lexicology and terminology; 1.4.1. Existing quantitative work on lexical items; 1.4.2. The position, framework and structure of the book; The nature of terminological data; 2.1. Terminological data; 2.1.1. The original dataset; 2.1.2. Identification of morphemes; 2.1.3. Data used in the analysis; 2.2.

Distributional characteristics of morphemes in terminologies; 2.2.1. Frequency distributions of morphemes
2.2.2. Zipf's law and the distribution of morphemes
2.3. Term-length distributions; 2.3.1. Basic nature of term-length distributions; 2.3.2. Term lengths and types of origin of morphemes; Distributional dynamics; The mathematical framework and the status of data; 3.1. The expectation of growth: A naive observation; 3.2. The basic mathematical framework; 3.2.1. The urn model; 3.2.2. Binomial distribution; 3.2.3. Frequency spectrum and expected number of types; 3.3. The standard way of estimation and the status of terminological data; 3.4. Amount of unseen items and discounting
3.4.1. An intuitive explanation
3.4.2. Good-Turing estimation; 3.5. Data, samples and discounting for terminologies; The dynamics of morphemes in terminologies; 4.1. Developmental profiles; 4.1.1. The sample size factor and the developmental profile; 4.1.2. Binomial interpolation and extrapolation; 4.2. Some preparations; 4.2.1. Examining the randomness assumption; 4.2.2. Re-introducing the level of terms; 4.3. The dynamics of morphemes in the terminologies of the six domains; 4.3.1. Points for observation; 4.3.2. Cross-domain observations; 4.3.3. Observations relating to types of origin
4.4. LNRE models
4.5. Re-examining the qualitative difference in types of origin; Interpretative and epistemological examination; 5.1. The status of the data; 5.1.1. The data as the object of the study; 5.1.2. The data as a sample of the object of the study; 5.2. The dynamics of terminology: Structure and event; 5.2.1. A core theory and surrounding factors; 5.2.2. The developmental model and the evolution of terminology; 5.3. Epistemological implications of interpolation and extrapolation; 5.3.1. The "potential" data; 5.3.2. Morphemes with lost identity revisited
5.3.3. What we have as and how we perceive the data

Sommario/riassunto

The dynamics and systematicity of terminology: this book addresses these essential and intriguing aspects of terminology, by using quantitative methodologies which have been underutilized in the field to date. Through the analysis of the Japanese terminologies of six domains and with special reference to the dynamic behaviour and the status of borrowed and native morphemes, the book reveals: (a) how borrowed and native morphemes contribute to the construction of these terminologies, and how these contributions are likely to change as the terminologies grow; (b) how borrowed and native morpheme
