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Word Histograms; Readability Indexes; Normative Comparison
Non-word Analysis
Colloquialisms: Abbreviations and Slang; Restricting the Analytical Window; Vocabulary Comparison and Evolution/Chronemics; Advanced Topics; Syllables, Rhyming, and "Sounds Like"; Gender and Language; Authorship Attribution; Word Morphology, Stemming, and Lemmatization; Chapter in Summary; 4 Correlation and Co-occurrence; Understanding Correlation; Computing Word Correlations; Directionality; Concordance; Co-occurrence and Search; Language Variation and Lexicons; Non-co-occurrence; Correlation with Metadata; Chapter in Summary; 5 Lexicons, Entity Extraction, and Geocoding
Lexicons
Lexicons and Categorization; Lexical Correlation; Lexicon Consistency Checks; Thesauri and Vocabulary Expanders; Named Entity Extraction; Lexicons and Processing; Applications; Geocoding, Gazetteers, and Spatial Analysis; Geocoding; Gazetteers and the Geocoding Process; Operating Under Uncertainty; Spatial Analysis; Chapter in Summary; 6 Topic Extraction; How Machines Process Text; Unstructured Text; Extracting Meaning from Text; Applications of Topic Extraction; Comparing/Clustering Documents; Automatic Summarization; Automatic Keyword Generation
Multilingual Analysis: Topic Extraction with Multiple Languages
Chapter in Summary; 7 Sentiment Analysis; Examining Emotions; Evolution; Evaluation; Analytical Resolution: Documents versus Objects; Hand-crafted versus Automatically Generated Lexicons; Other Sentiment Scales; Limitations; Measuring Language Rather Than Worldview; Chapter in Summary; 8 Similarity, Categorization and Clustering; Categorization; The Vector Space Model; Feature Selection; Feature Reduction; Learning Algorithm; Evaluating ATC Results; Benefits of ATC over Human Categorization; Limitations of ATC
Applications of ATC

Sommario/riassunto

With continuous advancements and an increase in user popularity, data mining technologies serve as an invaluable resource for researchers across a wide range of disciplines in the humanities and social sciences. In this comprehensive guide, author and research scientist Kalev Leetaru introduces the approaches, strategies, and methodologies of current data mining techniques, offering insights for new and experienced users alike. Designed as an instructive reference to computer-based analysis approaches, each chapter of this resource explains a set of core concepts and analytical data m
