

Manning Taming Text

Taming Text Handbook of Research on Big Data Storage and Visualization Techniques The Answer Machine Big Data Analytics Tynan Letters Language Intelligence Computational Analysis and Understanding of Natural Languages: Principles, Methods and Applications Letters of Charles Lamb Letters Letters Letters ... with a sketch of his life Saturday Review Letters of Charles Lamb The Letters of Charles Lamb Technology and Culture The Spectator Letters to a Friend Evangelical Magazine and Missionary Chronicle The Saturday Review of Politics, Literature, Science and Art Letters from Rome on the Occasion of the \square cumical Council, 1869–1870 Grant Ingersoll Segall, Richard S. Susan Feldman Kathleen Tynan Akshi Kumar Charles Lamb Charles Lamb Charles Lamb Charles Lamb Lamb Connop Thirlwall Thomas Mozley

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summary taming text winner of the 2013 jolt awards for productivity is a hands on example driven guide to working with unstructured text in the context of real world applications this book explores how to automatically organize text using approaches such as full text search proper name recognition clustering tagging information extraction and summarization the book guides you through examples illustrating each of these topics as well as the foundations upon which they are built about this book there is so much text in our lives we are practically drowning in it fortunately there are innovative tools and techniques for managing unstructured information that can throw the smart developer a much needed lifeline you'll find them in this book taming text is a practical example driven guide to working with text in real applications this book introduces you to useful techniques like full text search proper name recognition clustering tagging information extraction and summarization you'll explore real use cases as you systematically absorb the foundations upon which they are built written

in a clear and concise style this book avoids jargon explaining the subject in terms you can understand without a background in statistics or natural language processing examples are in java but the concepts can be applied in any language written for java developers the book requires no prior knowledge of gwt purchase of the print book comes with an offer of a free pdf epub and kindle ebook from manning also available is all code from the book winner of 2013 jolt awards the best books one of five notable books every serious programmer should read what's inside when to use text taming techniques important open source libraries like solr and mahout how to build text processing applications about the authors grant ingersoll is an engineer speaker and trainer a lucene committer and a cofounder of the mahout machine learning project thomas morton is the primary developer of opennlp and maximum entropy drew farris is a technology consultant software developer and contributor to mahout lucene and solr takes the mystery out of very complex processes from the foreword by liz liddy dean ischool syracuse university table of contents getting started taming text foundations of taming text searching fuzzy string matching identifying people places and things clustering text classification categorization and tagging building an example question answering system untamed text exploring the next frontier

the digital age has presented an exponential growth in the amount of data available to individuals looking to draw conclusions based on given or collected information across industries challenges associated with the analysis security sharing storage and visualization of large and complex data sets continue to plague data scientists and analysts alike as traditional data processing applications struggle to adequately manage big data the handbook of research on big data storage and visualization techniques is a critical scholarly resource that explores big data analytics and technologies and their role in developing a broad understanding of issues pertaining to the use of big data in multidisciplinary fields featuring coverage on a broad range of topics such as architecture patterns programming systems and computational energy this publication is geared towards professionals researchers and students seeking current research and application topics on the subject

the answer machine is a practical non technical guide to the technologies behind information seeking and analysis it introduces search and content analytics to software buyers knowledge managers and searchers who want to understand and design effective online environments the book describes how search evolved from an expert only to an end user tool it provides an overview of search engines categorization and clustering natural language processing content analytics and visualization technologies detailed profiles for search ecommerce search ediscovery and enterprise search contrast the types of users uses tasks technologies and interaction designs for each these variables shape each application although the underlying technologies are the same types of information tasks and the trade offs

between precision and recall time volume and precision and privacy vs personalization are discussed within this context the book examines trends toward convenient context aware computing big data and analytics technologies conversational systems and answer machines the answer machine explores ibm watson s deepqa technology and describes how it is used to answer health care and jeopardy questions the book concludes by discussing the implications of these advances how they will change the way we run our businesses practice medicine govern or conduct our lives in the digital age table of contents introduction the query process and barriers to finding information online online search an evolution search and discovery technologies an overview information access a spectrum of needs and uses future tense the next era in information access and discovery answer machines

while the term big data is open to varying interpretation it is quite clear that the volume velocity and variety 3vs of data have impacted every aspect of computational science and its applications the volume of data is increasing at a phenomenal rate and a majority of it is unstructured with big data the volume is so large that processing it using traditional database and software techniques is difficult if not impossible the drivers are the ubiquitous sensors devices social networks and the all pervasive web scientists are increasingly looking to derive insights from the massive quantity of data to create new knowledge in common usage big data has come to refer simply to the use of predictive analytics or other certain advanced methods to extract value from data without any required magnitude thereon challenges include analysis capture curation search sharing storage transfer visualization and information privacy while there are challenges there are huge opportunities emerging in the fields of machine learning data mining statistics human computer interfaces and distributed systems to address ways to analyze and reason with this data the edited volume focuses on the challenges and opportunities posed by big data in a variety of domains and how statistical techniques and innovative algorithms can help glean insights and accelerate discovery big data has the potential to help companies improve operations and make faster more intelligent decisions review of big data research challenges from diverse areas of scientific endeavor rich perspective on a range of data science issues from leading researchers insight into the mathematical and statistical theory underlying the computational methods used to address big data analytics problems in a variety of domains

the letters of kenneth tynan drama critic talent snob intellectual dandy inveterate campaigner provide a record of a soul written between the ages of 11 and 53 they not only chart the extraordinary parabola of his career but show the constancy of his quest for grace style and effortless wit

thorough review of foundational concepts and advanced techniques in natural

language processing nlp and its impact across sectors supported by examples and case studies throughout language intelligence provides an in depth exploration of the latest advancements in natural language processing nlp offering a unique blend of insight on theoretical foundations practical applications and future directions in the field comprised of 10 chapters this book provides a thorough understanding of both foundational concepts and advanced techniques starting with an overview of the historical development of nlp and essential mechanisms of natural language understanding nlu and natural language generation nlg it delves into the data landscape crucial for nlp emphasizing ethical considerations and equips readers with fundamental text processing techniques the book also discusses linguistic features central to nlp and explores computational and cognitive approaches that enrich the field s advancement practical applications and advanced processing techniques across various sectors like healthcare legal finance and education are showcased along with a critical examination of nlp metrics and methods for evaluation the appendices offer detailed explorations of text representation methods advanced applications and python s nlp capabilities aiming to inform inspire and ignite a passion for nlp in the ever expanding digital universe written by a highly qualified academic with significant research experience in the field language intelligence covers topics including fundamental text processing covering text cleaning sentence splitting tokenization lemmatization and stemming stop word removal part of speech tagging and parsing and syntactic analysis computational and cognitive approaches covering human like reasoning transfer learning and learning with minimal examples affective psychological and content analysis covering sentiment analysis emotion recognition irony humour and sarcasm detection and indicators of distress multilingual natural language processing covering translation and transliteration cross lingual models and embeddings low resource language processing and cultural nuance and idiom recognition language intelligence is an ideal reference for professionals across sectors and graduate students in related programs of study who have a foundational understanding of computer science linguistics and artificial intelligence looking to delve deeper into the intricacies of nlp

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Introduction

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