
Advances In Automatic Text Summarization

Advances in Artificial Intelligence
Concepts, Methodologies, Tools, and Applications
Deep Learning for Natural Language Processing
Advances in Automatic Text Summarization
Third Iberoamerican Conference and Second
Indo-American Conference, KGSWC 2021,
Kingsville, Texas, USA, November 22-24, 2021,
Proceedings
Volume 41 - Supplement 26 - Application of
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to Virtual Reality Software and Technology
Innovations, Developments, and Applications of
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Volume 6: Data Mining
7th International Conference, KES 2003, Oxford,
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Concepts, Methodologies, Tools, and Applications

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clarification,
obscurity,
illustration,
amplification,
simplification,
negotiation,
contradiction,
contraction

and
paraphrasing
of meaning,
and the
various
concepts,
analyses,
methodologies
and
technologies
that underpin
their study. It
examines not
only
semantics but
the impact of
semantic
study on
related fields
such as
morphology,

syntax, and typologically oriented studies such as 'grammatical semantics', where semantics has made a considerable contribution to our understanding of verbal categories like tense or aspect, nominal categories like case or possession, clausal categories like causatives, comparatives, or conditionals, and discourse phenomena like reference and anaphora.

COSE also examines lexical semantics and its relation to syntax, pragmatics, and cognitive linguistics; and the study of how 'logical semantics' develops and thrives, often in interaction with computational linguistics. As a derivative volume from Encyclopedia of Language and Linguistics, Second Edition, it comprises contributions from 150 of the foremost scholars of semantics in

their various specializations and draws on 20+ years of development in the parent work in a compact and affordable format. Principally intended for tertiary level inquiry and research, this will be invaluable as a reference work for undergraduate and postgraduate students as well as academics inquiring into the study of meaning and meaning relations within languages. As

semantics is a centrally important and inherently cross-cutting area within linguistics it will therefore be relevant not just for semantics specialists, but for most linguistic audiences. The first encyclopedia ever published in this fascinating and diverse field Combines the talents of the world's leading semantics specialists The latest trends in the field authoritatively reviewed and interpreted in

context of related disciplines Drawn from the richest, most authoritative, comprehensive and internationally acclaimed reference resource in the linguistics area Compact and affordable single volume reference format
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Springer Science & Business Media
Advances in Automatic Text Summarization

nMIT Press
Deep Learning for Natural Language Processing
Springer Science & Business Media
Until now there has been no state-of-the-art collection of the most important writings in automatic text summarization. This book presents the key developments in the field in an integrated framework and suggests future research areas. With the rapid growth of the World Wide

Web and electronic information services, information is becoming available on-line at an incredible rate. One result is the oft-decried information overload. No one has time to read everything, yet we often have to make critical decisions based on what we are able to assimilate. The technology of automatic text summarization is becoming indispensable for dealing with this

problem. Text summarization is the process of distilling the most important information from a source to produce an abridged version for a particular user or task. Until now there has been no state-of-the-art collection of the most important writings in automatic text summarization. This book presents the key developments in the field in an integrated framework and suggests future

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Edmundson, M. Elhadad, T. Firmin, R. P. Futrelle, J. Gorlinsky, U. Hahn, E. Hovy, D. Jang, K. Sparck Jones, G. M. Kasper, C. Kennedy, K. Kukich, J. Kupiec, B. Larsen, W. G. Lehnert, C. Lin, H. P. Luhn, I. Mani, D. Marcu, M. Maybury, K. McKeown, A. Merlino, M. Mitra, K. Mitze, M. Moens, A. H. Morris, S. H. Myaeng, M. E. Okurowski, J. Pedersen, J. J. Pollock, D. R. Radev, G. J. Rath, L. F. Rau, U. Reimer, A.	Resnick, J. Robin, G. Salton, T. R. Savage, A. Singhal, G. Stein, T. Strzalkowski, S. Teufel, J. Wang, B. Wise, A. Zamora <u>Advances in</u> <u>Automatic</u> <u>Text</u> <u>Summarizatio</u> <u>n</u> Springer Science & Business Media This volume contains the proceedings of the 3rd International Conference on Advances in Inf ormationSyste ms(ADVIS)hel dinIzmir,Turke y,20-22Octob er, 2004. This was the third	conference dedicated to the memory of Prof. Esen Ozkarahan. We are very proud to continue this tradition and keep the memory of this outstanding scientist. The third conference covered many of the topics of the second one: databases and data warehouses, information systems development and management, - formation retrieval, distributed and parallel
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data processing, and evolutionary algorithms. Besides them some of the hot topics related to information systems were included in the scope of this conference, such as data mining and knowledge discovery, Web information systems development, information privacy and security, multimedia information systems, and network management. This year we received 203

submissions from which the Program Committee selected 61 papers for presentation at the conference. The success of the conference was dependent upon the hard work of a large number of people. We gratefully acknowledge the contribution of the members of the Program Committee who did their best to review all submitted papers. We also thank all the specialists

who helped us in reviewing the papers. We appreciated the constant support and help from the Rector of Dokuz Eylul University, Prof. Dr. Emin Alici. I would like to express my personal gratitude to Natalya Cheremnykh and Olga Drobyshevich for their help in producing the camera-ready version of these proceedings. *Third Iberoamerican Conference and Second Indo-American Conference,*

KGSWC 2021, Kingsville, Texas, USA, November 22-24, 2021, Proceedings Advances in Automatic Text Summarization Textual information in the form of digital documents quickly accumulates to create huge amounts of data. The majority of these documents are unstructured: it is unrestricted text and has not been organized into traditional databases. Processing documents is therefore a perfunctory task, mostly due to a lack of standards. It has thus become extremely difficult to implement automatic text analysis tasks. Automatic Text Summarization (ATS), by condensing the text while maintaining relevant information, can help to process this ever-increasing, difficult-to-handle, mass of information. This book examines the motivations and different algorithms for ATS. The author presents the recent state of the art before describing the main problems of ATS, as well as the difficulties and solutions provided by the community. The book provides recent advances in ATS, as well as current applications and trends. The approaches are statistical, linguistic and symbolic.

Several examples are also included in order to clarify the theoretical concepts.

Volume 41 - Supplement 26 - Application of Bayesian Belief Networks to Highway Construction to Virtual Reality Software and Technology

IGI Global Foundations of Computational Intelligence Volume 6: Data Mining: Theoretical Foundations and Applications Finding information hidden in data

is as theoretically difficult as it is practically important. With the objective of discovering unknown patterns from data, the methodologies of data mining were derived from statistics, machine learning, and artificial intelligence, and are being used successfully in application areas such as bioinformatics, business, health care, banking, retail, and many others. Advanced representation

schemes and computational intelligence techniques such as rough sets, neural networks; decision trees; fuzzy logic; evolutionary algorithms; arti- cial immune systems; swarm intelligence; reinforcement learning, association rule mining, Web intelligence paradigms etc. have proved valuable when they are - plied to Data Mining problems. Computational tools or

solutions based on intelligent systems are being used with great success in Data Mining applications. It is also observed that strong scientific advances have been made when issues from different research areas are integrated. This Volume comprises of 15 chapters including an overview chapter providing an up-to-date and state-of-the-research on the

applications of Computational Intelligence techniques for Data Mining. The book is divided into 3 parts: Part-I: Data Click Streams and Temporal Data Mining Part-II: Text and Rule Mining Part-III: Applications Part I on Data Click Streams and Temporal Data Mining contains four chapters that describe several approaches in Data Click Streams and Temporal Data Mining. *Innovations, Developments , and*

Applications of Semantic Web and Information Systems IGI Global Textual information in the form of digital documents quickly accumulates to create huge amounts of data. The majority of these documents are unstructured: it is unrestricted text and has not been organized into traditional databases. Processing documents is therefore a perfunctory

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theoretical concepts.

**Volume 6:
Data Mining**

Springer
Organizations generate and collect large volumes of textual data. Unfortunately, many companies are unable to capitalize fully on the value of this data because information implicit within it is not easy to discern. Primarily intended for business analysts and statisticians across multiple industries, this book provides an

introduction to the types of problems encountered and current available text mining solutions.

7th International Conference, KES 2003, Oxford, UK, September 3-5, 2003, Proceedings, Part I Springer

This book constitutes the refereed proceedings of the 16th Brazilian Symposium on Artificial Intelligence, SBIA 2002, held in Porto de Galinhas/Recife, Brazil in November 2002. The 39 revised full papers presented were carefully reviewed and selected from 146 submissions from 18 countries. the papers are organized in topical sections on theoretical and logical methods, autonomous agents and multi-agent systems, machine learning, knowledge discovery and data mining, evolutionary computation and artificial life, uncertainty, and natural language processing.

Annual Review of Information Science and Technology Springer

Nature

until now there has been no state-of-the-art collection of the most important writings in automatic text summarization. This book presents the key developments in the field in an integrated framework and suggests future research areas. With the rapid growth of the World Wide

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Edmundson, M. Elhadad, T. Firmin, R. P. Futrelle, J. Gorlinsky, U. Hahn, E. Hovy, D. Jang, K. Sparck Jones, G. M. Kasper, C. Kennedy, K. Kukich, J. Kupiec, B. Larsen, W. G. Lehnert, C. Lin, H. P. Luhn, I. Mani, D. Marcu, M. Maybury, K. McKeown, A. Merlino, M. Mitra, K. Mitze, M. Moens, A. H. Morris, S. H. Myaeng, M. E. Okurowski, J. Pedersen, J. J. Pollock, D. R. Radev, G. J. Rath, L. F. Rau, U. Reimer, A.	Resnick, J. Robin, G. Salton, T. R. Savage, A. Singhal, G. Stein, T. Strzalkowski, S. Teufel, J. Wang, B. Wise, A. Zamora <i>International Conference, ICIEIS 2011, Kuala Lumpur, Malaysia, November 12-14, 2011. Proceedings Springer Science & Business Media 2.1 Text Summarizatio n "Text summarizatio n is the process of distilling the most important</i>	information from a source (or sources) to produce an abridged version for a particular user (or users) and task (or tasks)" [3]. Basic and classical articles in text summarizatio n appear in "Advances in automatic text summarizatio n" [3]. A literature survey on information extraction and text summarizatio n is given by Zechner [7]. In general, the process of automatic text summarizatio n is divided
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into three stages: (1) analysis of the given text, (2) summarization of the text, (3) presentation of the summary in a suitable output form. Titles, abstracts and keywords are the most common summaries in Academic papers. Usually, the title, the abstract and the keywords are the first, second, and third parts of an Academic paper, respectively. The title usually

describes the main issue discussed in the study and the abstract presents the reader a short description of the background, the study and its results. A keyword is either a single word (unigram), e.g.: 'learning', or a collocation, which means a group of two or more words, representing an important concept, e.g.: 'machine learning', 'natural language processing'. Retrieving

collocations from text was examined by Smadja [5] and automatic extraction of collocations was examined by Kita et al. [1]. *Computer and Information Science* John Benjamins Publishing Deep learning methods are achieving state-of-the-art results on challenging machine learning problems such as describing photos and translating text from one language to another. In this new laser-focused

Ebook, finally cut through the math, research papers and patchwork descriptions about natural language processing. Using clear explanations, standard Python libraries and step-by-step tutorial lessons you will discover what natural language processing is, the promise of deep learning in the field, how to clean and prepare text data for modeling, and how to develop deep learning

models for your own natural language processing projects.
The Meaning of Language
MIT Press
This open access book summarizes the first two decades of the NII Testbeds and Community for Information access Research (NTCIR). NTCIR is a series of evaluation forums run by a global team of researchers and hosted by the National Institute of Informatics

(NII), Japan. The book is unique in that it discusses not just what was done at NTCIR, but also how it was done and the impact it has achieved. For example, in some chapters the reader sees the early seeds of what eventually grew to be the search engines that provide access to content on the World Wide Web, todays smartphones that can tailor what they show to the needs of their owners, and

the smart speakers that enrich our lives at home and on the move. We also get glimpses into how new search engines can be built for mathematical formulae, or for the digital record of a lived human life. Key to the success of the NTCIR endeavor was early recognition that information access research is an empirical discipline and that evaluation therefore lay at the core of

the enterprise. Evaluation is thus at the heart of each chapter in this book. They show, for example, how the recognition that some documents are more important than others has shaped thinking about evaluation design. The thirty-three contributors to this volume speak for the many hundreds of researchers from dozens of countries around the world who together shaped NTCIR

as organizers and participants. This book is suitable for researchers, practitioners, and students-- anyone who wants to learn about past and present evaluation efforts in information retrieval, information access, and natural language processing, as well as those who want to participate in an evaluation task or even to design and organize one. *Computational Processing of the Portuguese*

Language MIT Press With the explosion in the quantity of on-line text and multimedia information in recent years, there has been a renewed interest in automatic summarization. This book provides a systematic introduction to the field, explaining basic definitions, the strategies used by human summarizers, and automatic methods that leverage linguistic and statistical knowledge to produce extracts and abstracts. Drawing from a wealth of research in artificial intelligence, natural language processing, and information retrieval, the book also includes detailed assessments of evaluation methods and new topics such as multi-document and multimedia summarization. Previous automatic summarization books have been either collections of specialized papers, or else authored books with only a chapter or two devoted to the field as a whole. This is the first textbook on the subject, developed based on teaching materials used in two one-semester courses. To further help the student reader, the book includes detailed case studies, accompanied by end-of-chapter reviews and an extensive glossary. Audie

nce: students and researchers, as well as information technology managers, librarians, and anyone else interested in the subject.

Knowledge Discovery and Data Mining. Current Issues and New Applications

Springer
The prevalence of digital documentation presents some pressing concerns for efficient information retrieval in the modern age. Readers want

to be able to access the information they desire without having to search through a mountain of unrelated data, so algorithms and methods for effectively seeking out pertinent information are of critical importance. Innovative Document Summarization Techniques: Revolutionizing Knowledge Understanding evaluates some of the existing approaches to information retrieval and

summarization of digital documents, as well as current research and future developments. This book serves as a sounding board for students, educators, researchers, and practitioners of information technology, advancing the ongoing discussion of communication in the digital age.

Revolutionizing Knowledge Understanding Springer
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While the availability of

electronic documents increases exponentially with advancing technology, the time spent to process this wealth of resourceful information decreases. Content analysis and information extraction must be aided by summarization methods to quickly parcel pieces of interest and allow for succinct user familiarization in a simple, efficient manner. Trends and Applications of

Text Summarization Techniques is a pivotal reference source that explores the latest approaches of document summarization including update, multi-lingual, and domain-oriented summarization tasks and examines their current real-world applications in multiple fields. Featuring coverage on a wide range of topics such as parallel construction, social network integration, and

evaluation metrics, this book is ideally designed for information technology practitioners, computer scientists, bioinformatics analysts, business managers, healthcare professionals, academicians, researchers, and students. *Destination Management and Marketing: Breakthroughs in Research and Practice* Springer This 4-Volume-Set, CCIS 0251 - CCIS 0254, constitutes the refereed

proceedings of the International Conference on Informatics Engineering and Information Science, ICIEIS 2011, held in Kuala Lumpur, Malaysia, in November 2011. The 210 revised full papers presented together with invited papers in the 4 volumes were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on e-learning, information

security, software engineering, image processing, algorithms, artificial intelligence and soft computing, e-commerce, data mining, neural networks, social networks, grid computing, biometric technologies, networks, distributed and parallel computing, wireless networks, information and data management, web applications and software systems,

multimedia, ad hoc networks, mobile computing, as well as miscellaneous topics in digital information and communications.

Concise Encyclopedia of Semantics

IGI Global
The significance of big data can be observed in any decision-making process as it is often used for forecasting and predictive analytics. Additionally, big data can be used to build a holistic

view of an enterprise through a collection and analysis of large data sets retrospectively. As the data deluge deepens, new methods for analyzing, comprehending, and making use of big data become necessary. *Enterprise Big Data Engineering, Analytics, and Management* presents novel methodologies and practical approaches to engineering, managing, and analyzing large-scale data sets with

a focus on enterprise applications and implementation. Featuring essential big data concepts including data mining, artificial intelligence, and information extraction, this publication provides a platform for retargeting the current research available in the field. Data analysts, IT professionals, researchers, and graduate-level students will find the timely research

presented in this publication essential to furthering their knowledge in the field. *NTCIR's Legacy of Research Impact* John Wiley & Sons This book constitutes the thoroughly refereed proceedings of the Third Iberoamerican Conference, KGSWC 2021, held in Kingsville, Texas, USA, in November 2021.* The 22 full and 2 short papers presented were carefully reviewed and

selected from 85 submissions. The papers cover topics related to software and its engineering, information systems, software creation and management, World Wide Web, web data description languages, and others. *Due to the Covid-19 pandemic the conference was held virtually. *Automatic Text Summarization* John Wiley & Sons ARIST,

published annually since 1966, is a landmark publication within the information science community. It surveys the landscape of information science and technology, providing an analytical, authoritative, and accessible overview of recent trends and significant developments. The range of topics varies considerably, reflecting the dynamism of the discipline and the diversity of theoretical and applied

perspectives. While ARIST continues to cover key topics associated with "classical" information science (e.g., bibliometrics, information retrieval), editor Blaise Cronin is selectively expanding its footprint in an effort to connect information science more tightly with cognate academic and professional communities. Contents of Volume 40 (2006): SECTION I: Information

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