



Fundamentals of Predictive Text Mining (Texts in Computer Science)

By Sholom M. Weiss, Nitin Indurkha, Tong Zhang

 Download

 Read Online

Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang

One consequence of the pervasive use of computers is that most documents originate in digital form. Widespread use of the Internet makes them readily available. Text mining – the process of analyzing unstructured natural-language text – is concerned with how to extract information from these documents.

Developed from the authors' highly successful Springer reference on text mining, Fundamentals of Predictive Text Mining is an introductory textbook and guide to this rapidly evolving field. Integrating topics spanning the varied disciplines of data mining, machine learning, databases, and computational linguistics, this uniquely useful book also provides practical advice for text mining. In-depth discussions are presented on issues of document classification, information retrieval, clustering and organizing documents, information extraction, web-based data-sourcing, and prediction and evaluation. Background on data mining is beneficial, but not essential. Where advanced concepts are discussed that require mathematical maturity for a proper understanding, intuitive explanations are also provided for less advanced readers.

Topics and features: presents a comprehensive, practical and easy-to-read introduction to text mining; includes chapter summaries, useful historical and bibliographic remarks, and classroom-tested exercises for each chapter; explores the application and utility of each method, as well as the optimum techniques for specific scenarios; provides several descriptive case studies that take readers from problem description to systems deployment in the real world; includes access to industrial-strength text-mining software that runs on any computer; describes methods that rely on basic statistical techniques, thus allowing for relevance to all languages (not just English); contains links to free downloadable software and other supplementary instruction material.

Fundamentals of Predictive Text Mining is an essential resource for IT professionals and managers, as well as a key text for advanced undergraduate computer science students and beginning graduate students.

Dr. Sholom M. Weiss is a Research Staff Member with the IBM Predictive Modeling group, in Yorktown Heights, New York, and Professor Emeritus of Computer Science at Rutgers University. Dr. Nitin Indurkha is Professor at the

School of Computer Science and Engineering, University of New South Wales, Australia, as well as founder and president of data-mining consulting company Data-Miner Pty Ltd. Dr. Tong Zhang is Associate Professor at the Department of Statistics and Biostatistics at Rutgers University, New Jersey.

 [Download Fundamentals of Predictive Text Mining \(Texts in C ...pdf](#)

 [Read Online Fundamentals of Predictive Text Mining \(Texts in ...pdf](#)

Fundamentals of Predictive Text Mining (Texts in Computer Science)

By Sholom M. Weiss, Nitin Indurkha, Tong Zhang

Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang

One consequence of the pervasive use of computers is that most documents originate in digital form. Widespread use of the Internet makes them readily available. Text mining – the process of analyzing unstructured natural-language text – is concerned with how to extract information from these documents.

Developed from the authors' highly successful Springer reference on text mining, Fundamentals of Predictive Text Mining is an introductory textbook and guide to this rapidly evolving field. Integrating topics spanning the varied disciplines of data mining, machine learning, databases, and computational linguistics, this uniquely useful book also provides practical advice for text mining. In-depth discussions are presented on issues of document classification, information retrieval, clustering and organizing documents, information extraction, web-based data-sourcing, and prediction and evaluation. Background on data mining is beneficial, but not essential. Where advanced concepts are discussed that require mathematical maturity for a proper understanding, intuitive explanations are also provided for less advanced readers.

Topics and features: presents a comprehensive, practical and easy-to-read introduction to text mining; includes chapter summaries, useful historical and bibliographic remarks, and classroom-tested exercises for each chapter; explores the application and utility of each method, as well as the optimum techniques for specific scenarios; provides several descriptive case studies that take readers from problem description to systems deployment in the real world; includes access to industrial-strength text-mining software that runs on any computer; describes methods that rely on basic statistical techniques, thus allowing for relevance to all languages (not just English); contains links to free downloadable software and other supplementary instruction material.

Fundamentals of Predictive Text Mining is an essential resource for IT professionals and managers, as well as a key text for advanced undergraduate computer science students and beginning graduate students.

Dr. Sholom M. Weiss is a Research Staff Member with the IBM Predictive Modeling group, in Yorktown Heights, New York, and Professor Emeritus of Computer Science at Rutgers University. Dr. Nitin Indurkha is Professor at the School of Computer Science and Engineering, University of New South Wales, Australia, as well as founder and president of data-mining consulting company Data-Miner Pty Ltd. Dr. Tong Zhang is Associate Professor at the Department of Statistics and Biostatistics at Rutgers University, New Jersey.

Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang **Bibliography**

- Rank: #515650 in eBooks
- Published on: 2010-06-14
- Released on: 2010-06-14

- Format: Kindle eBook

 [**Download** Fundamentals of Predictive Text Mining \(Texts in C ...pdf](#)

 [**Read Online** Fundamentals of Predictive Text Mining \(Texts in ...pdf](#)

Download and Read Free Online Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang

Editorial Review

Review

“Fundamentals of predictive text mining is a second edition that is designed as a textbook, with questions and exercises in each chapter. ... The book can be used with data mining software for hands-on experience for students. ... The book will be very useful for people planning to go into this field or to learn techniques that could be used in a big data environment.” (S. Srinivasan, Computing Reviews, February, 2016)

From the Back Cover

This successful textbook on predictive text mining offers a unified perspective on a rapidly evolving field, integrating topics spanning the varied disciplines of data science, machine learning, databases, and computational linguistics. Serving also as a practical guide, this unique book provides helpful advice illustrated by examples and case studies.

This highly anticipated second edition has been thoroughly revised and expanded with new material on deep learning, graph models, mining social media, and errors and pitfalls in big data evaluation, Twitter sentiment analysis, and dependency parsing discussion. The fully updated content also features in-depth discussions on issues of document classification, information retrieval, clustering and organizing documents, information extraction, web-based data-sourcing, and prediction and evaluation.

Topics and features:

- Presents a comprehensive, practical and easy-to-read introduction to text mining
- Includes chapter summaries, useful historical and bibliographic remarks, and classroom-tested exercises for each chapter
- Explores the application and utility of each method, as well as the optimum techniques for specific scenarios
- Provides several descriptive case studies that take readers from problem description to systems deployment in the real world
- Describes methods that rely on basic statistical techniques, thus allowing for relevance to all languages (not just English)
- Contains links to free downloadable industrial-quality text-mining software and other supplementary instruction material

Fundamentals of Predictive Text Mining is an essential resource for IT professionals and managers, as well as a key text for advanced undergraduate computer science students and beginning graduate students.

About the Author

Dr. Sholom M. Weiss is a Professor Emeritus of Computer Science at Rutgers University, a Fellow of the Association for the Advancement of Artificial Intelligence, and co-founder of AI Data-Miner LLC, New York.

Dr. Nitin Indurkha is faculty member at the School of Computer Science and Engineering, University of New South Wales, Australia, and the Institute of Statistical Education, Arlington, VA, USA. He is also a co-founder of AI Data-Miner LLC, New York.

Dr. Tong Zhang is a Professor of Statistics and Biostatistics at Rutgers University.

Users Review

From reader reviews:

Randolph Dilworth:

Reading a reserve tends to be new life style on this era globalization. With looking at you can get a lot of information that can give you benefit in your life. Having book everyone in this world may share their idea. Books can also inspire a lot of people. A great deal of author can inspire their own reader with their story as well as their experience. Not only situation that share in the textbooks. But also they write about the ability about something that you need case in point. How to get the good score toefl, or how to teach your sons or daughters, there are many kinds of book which exist now. The authors these days always try to improve their expertise in writing, they also doing some research before they write to the book. One of them is this Fundamentals of Predictive Text Mining (Texts in Computer Science).

Jeffrey Spencer:

Playing with family in the park, coming to see the water world or hanging out with good friends is thing that usually you may have done when you have spare time, then why you don't try factor that really opposite from that. Just one activity that make you not experience tired but still relaxing, trilling like on roller coaster you already been ride on and with addition associated with. Even you love Fundamentals of Predictive Text Mining (Texts in Computer Science), you could enjoy both. It is very good combination right, you still would like to miss it? What kind of hangout type is it? Oh can occur its mind hangout people. What? Still don't understand it, oh come on its known as reading friends.

Edward Roth:

In this period globalization it is important to someone to receive information. The information will make professionals understand the condition of the world. The healthiness of the world makes the information much easier to share. You can find a lot of personal references to get information example: internet, newspaper, book, and soon. You can view that now, a lot of publisher this print many kinds of book. The particular book that recommended for you is Fundamentals of Predictive Text Mining (Texts in Computer Science) this e-book consist a lot of the information from the condition of this world now. This particular book was represented just how can the world has grown up. The vocabulary styles that writer value to explain it is easy to understand. The particular writer made some research when he makes this book. Honestly, that is why this book acceptable all of you.

Richard Mendoza:

What is your hobby? Have you heard that will question when you got college students? We believe that that question was given by teacher with their students. Many kinds of hobby, Every individual has different hobby. So you know that little person just like reading or as studying become their hobby. You should know that reading is very important in addition to book as to be the matter. Book is important thing to incorporate you knowledge, except your own teacher or lecturer. You will find good news or update about something by book. Different categories of books that can you go onto be your object. One of them is niagra Fundamentals of Predictive Text Mining (Texts in Computer Science).

Download and Read Online Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang #V846B5GUMJW

Read Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang for online ebook

Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang books to read online.

Online Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang ebook PDF download

Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang Doc

Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang Mobipocket

Fundamentals of Predictive Text Mining (Texts in Computer Science) By Sholom M. Weiss, Nitin Indurkha, Tong Zhang EPub