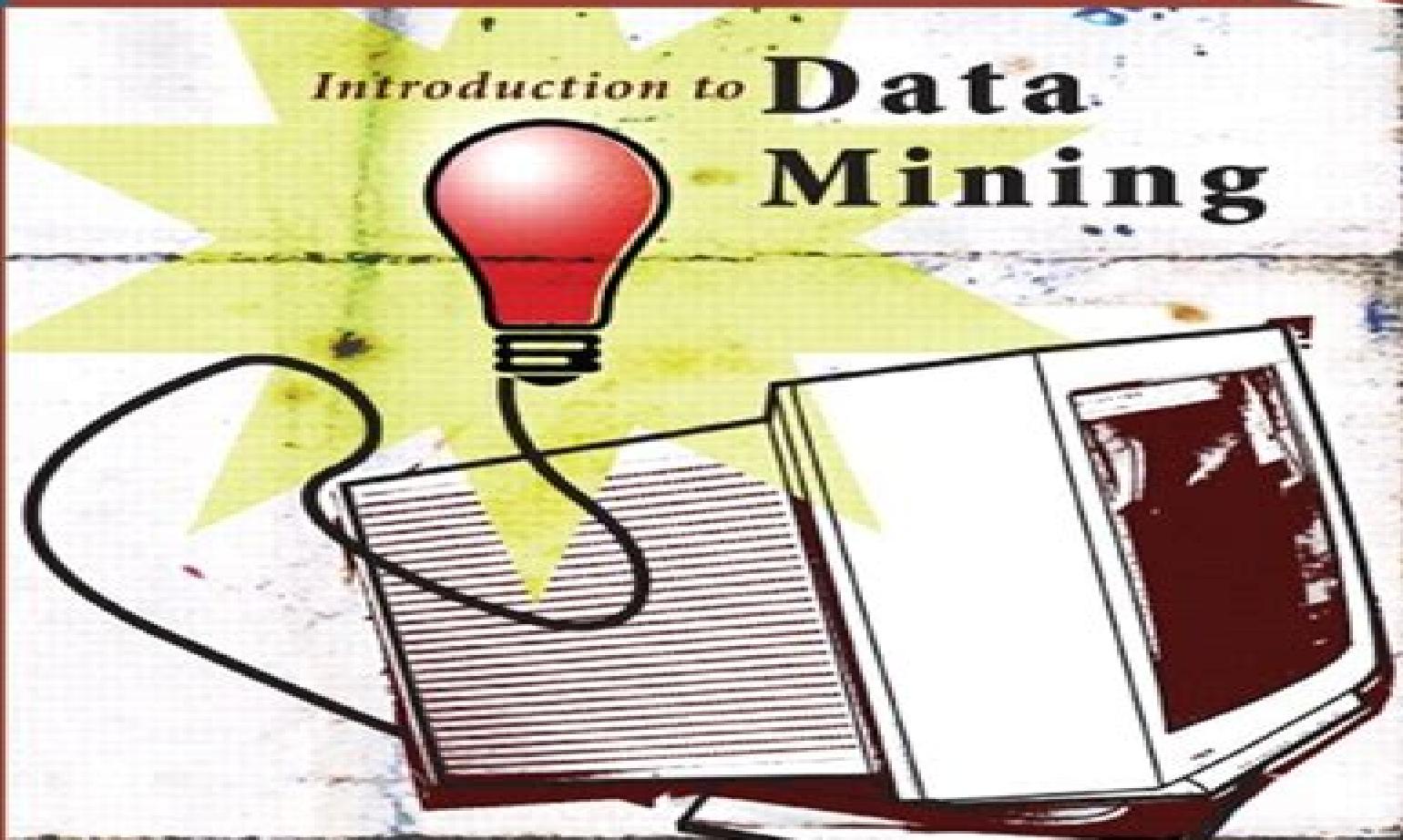# Pearson International Edition

Introduction to Data Mining

Pang-Ning Tan • Michael Steinbach • Vipin Kumar

Introduction To Data Mining Pearson

Daniel T. Larose

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Introduction to Data Mining and Its Applications S. Sumathi,S.N. Sivanandam,2006-09-26 This book explores the concepts of data mining and data warehousing a promising and flourishing frontier in data base systems and new data base applications and is also designed to give a broad yet in depth overview of the field of data mining Data mining is a multidisciplinary field drawing work from areas including database technology AI machine learning NN statistics pattern recognition knowledge based systems knowledge acquisition information retrieval high performance computing and data visualization This book is intended for a wide audience of readers who are not necessarily experts in data warehousing and data mining but are interested in receiving a general introduction to these areas and their many practical applications Since data mining technology has become a hot topic not only among academic students but also for decision makers it provides valuable hidden business and scientific intelligence from a large amount of historical data It is also written for technical managers and executives as well as for technologists interested in learning about data mining   Data Mining Introductory And Advanced Topics Margaret H. Dunham,2003   **Introduction to Data Mining and Analytics** Kris Jamsa,2020-02-03 Data Mining and Analytics provides a broad and interactive overview of a rapidly growing field The exponentially increasing rate at which data is generated creates a corresponding need for professionals who can effectively handle its storage analysis and translation   Discovering Knowledge in Data Daniel T. Larose,2005-01-28 Learn Data Mining by doing data mining

Data mining can be revolutionary but only when it s done right The powerful black box data mining software now available can produce disastrously misleading results unless applied by a skilled and knowledgeable analyst Discovering Knowledge in Data An Introduction to Data Mining provides both the practical experience and the theoretical insight needed to reveal valuable information hidden in large data sets Employing a white box methodology and with real world case studies this step by step guide walks readers through the various algorithms and statistical structures that underlie the software and presents examples of their operation on actual large data sets Principal topics include Data preprocessing and classification Exploratory analysis Decision trees Neural and Kohonen networks Hierarchical and k means clustering Association rules Model evaluation techniques Complete with scores of screenshots and diagrams to encourage graphical learning Discovering Knowledge in Data An Introduction to Data Mining gives students in Business Computer Science and Statistics as well as professionals in the field the power to turn any data warehouse into actionable knowledge An Instructor s Manual presenting detailed solutions to all the problems in the book is available online **Discovering Knowledge in Data** Daniel T. Larose,2005 *Introduction to Data Mining* Camila Thompson,2021-12-07 Data mining is a process which deals with the discovery of patterns in large data sets It applies methods from the fields of statistics database systems and machine learning Data mining aims to transform the information derived from a data set into a comprehensible structure for further use Data mining also includes the data management aspects complexity considerations visualization online updating data pre processing model and inference considerations and post processing of discovered structures It uses statistical models and machine learning to uncover hidden patterns in a large volume of data There are numerous fields where it is applied such as business medicine surveillance and science This book aims to shed light on some of the unexplored aspects of data mining Such selected concepts that redefine data mining have been presented herein For someone with an interest and eye for detail this book covers the most significant topics in this field **INTRODUCTION TO DATA MINING WITH CASE STUDIES** GUPTA, G.K.,2014-06-28 The field of data mining provides techniques for automated discovery of valuable information from the accumulated data of computerized operations of enterprises This book offers a clear and comprehensive introduction to both data mining theory and practice It is written primarily as a textbook for the students of computer science management computer applications and information technology The book ensures that the students learn the major data mining techniques even if they do not have a strong mathematical background The techniques include data pre processing association rule mining supervised classification cluster analysis web data mining search engine query mining data warehousing and OLAP To enhance the understanding of the concepts introduced and to show how the techniques described in the book are used in practice each chapter is followed by one or two case studies that have been published in scholarly journals Most case studies deal with real business problems for example marketing e commerce CRM Studying the case studies provides the reader with a greater insight into the data mining techniques The book also provides many examples

review questions multiple choice questions chapter end exercises and a good list of references and Web resources especially those which are easy to understand and useful for students A number of class projects have also been included **Data Mining: Introductory and Advanced Topics** Dunham,Sridhar, In this book the author provides the reader with a comprehensive coverage of data mining topics and algorithms Data base perspective is maintained throughout the book which provides students with a focused discussion of algorithms data structures data types and complexity of algorithms and space It also emphasizes the use of data mining concepts in real world applications with large database components The Handbook of Technology Management, Supply Chain Management, Marketing and Advertising, and Global Management Hossein Bidgoli,2010 The discipline of technology management focuses on the scientific engineering and management issues related to the commercial introduction of new technologies Although more than thirty U S universities offer PhD programs in the subject there has never been a single comprehensive resource dedicated to technology management The Handbook of Technology Management fills that gap with coverage of all the core topics and applications in the field Edited by the renowned Doctor Hossein Bidgoli the three volumes here include all the basics for students educators and practitioners

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Introduction to Data Mining Mohammed J. Zaki,2003 *Introduction To Data Mining And Its Application* Sumathi,2008-09-01 Introduction To Data Mining Chaitanya P Agrawal, Meena Agrawal, This book is a small endeavor to share the journey of getting introduced to a wonderful topic Data Mining Personally we came across this during the process of evaluating new tools to be included in the post graduate study curricula of the University we are working in Soon it became a friendly affair to see the power potential and ease of empowering the databases with concepts of data mining It has become powerful in rediscovering the hidden values in data base and soon in data warehouse equally efficiently The Data mining is a powerful new technology with great potential focusing on the most important information in their data warehouses It involves extraction of hidden predictive information from large databases with ease and efficiency It facilitates to make proactive knowledge driven decisions and predict future trends and behaviors Data mining tools move beyond the analyses of past events provided by retrospective tools typical of decision support systems The automated prospective analyses offered by data mining tools can answer finding predictive information easily This small book is an introduction to the basics of data mining It also introduces the techniques and technologies behind data mining the impact of artificial

intelligence artificial neural networks and fuzzy logic et cetera as the basic building blocks for the same It concludes with common practical applications trends and its impact on social and computing environment **Introduction to Data Mining** Dragan Radulovich,Ai Beng Radulovich,1753 Introduction to Data Mining and Knowledge Discovery ,1999

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