

# Data Mining: Concepts and Techniques (2nd edition)

Jiawei Han and Micheline Kamber  
Morgan Kaufmann Publishers, 2006

## Bibliographic Notes for Chapter 2 Data Preprocessing

Data preprocessing is discussed in a number of textbooks, including English [Eng99], Pyle [Pyl99], Louha [Lou01], Redman [Red01], and Data and Johnson [DJ03]. More specific references to individual preprocessing techniques are given below.

Methods for descriptive data summarization have been studied in the statistics literature long before the onset of computers. Good summaries of statistical descriptive data mining methods include Friedman, Pease and Purves [PPP97], and Devos [Dev95]. For statistics-based visualization of data using boxplots, quantile plots, quantile-quantile plots, scatter plots, and loss curves, see Cleveland [Cle93].

For discussion regarding data quality, see Redman [Red92], Wang, Storey, and Firth [WSP95], Wand and Wang [WW96], Ballou and Day [BY99], and Olson [Ols03]. Potter's Wheel (<http://control.cs.berkeley.edu/abc/>), the interactive data cleaning tool described in Section 2.3.3, is presented in Rasmus and Hellerstein [RH01]. An example of the development of declarative languages for the specification of data transformation operators is given in Galhardas, Florouca, Sussita, et al. [GFS<sup>+</sup>01]. The handling of missing attribute values is discussed in Friedman [Fri77], Redman, Redman, Olson, and Stone [RROS01], and Qahlan [Qah99]. A method for the detection of outlier or "garbage" patterns in a handwritten character database is given in Guyon, Matic, and Veprik [GMV96]. Missing and data normalization are treated in many texts, including Kennedy, Lee, Van Roy, et al. [KLV<sup>+</sup>98], Weiss and Indurkha [WI98], and Pyle [Pyl99]. Systems that include attribute (or feature) construction include RACON by Langley, Stone, Bradshaw, and Zytkow [LSBZ87], Stagger by Schlimmer [Sch86], FRINGS by Pagallo [Pag89], and AQL7-DCI by Elrodara and Michalek [EM98]. Attribute construction is also described in Liu and Motoda [LM98, LM98b]. Data, Johnson, Muthukrishnan, and Shikanyuk [DJMS02] developed a system called Belman wherein they propose a set of methods for building a data quality browser by mining on the structure of the database.

A good survey of data reduction techniques can be found in Barbara, Du Mouchel, Floutos, et al. [BDF<sup>+</sup>97]. For algorithms on data cubes and their precomputation, see Sawagiri and Stonebraker [SS04], Agarwal, Agrawal, Deshpande, et al. [AAD<sup>+</sup>96], Harsharanga, Rajaraman, and Ullman [HRU96], Hoss and Srivastava [HS97], and Zhao, Deshpande, and Naughton [ZDN97]. Attribute subset selection (or feature subset selection) is described in many texts, such as Neter, Kutner, Nachtsheim, and Wasserman [NKNW96], Dash and Liu [DL97], and Liu and Motoda [LM98, LM98b]. A combination forward selection and backward elimination method was proposed by Siedlecki and Sklansky [SS88]. A wrapper approach to attribute selection is described in Kohavi and John [KJ97]. Unsupervised attribute subset selection is described in Dash, Liu, and Yao [DLY97]. For a description of wavelets for dimensionality reduction, see Press, Teukolsky, Vetterling, and Flannery [PTVF96]. A general account of wavelets can be found in Hubbard [Hub96]. For a list of wavelet software packages, see Bruce, Donoho, and Gao [BDG96]. Daubechies transforms are described in Daubechies [Dau92]. The book by Press, et al. [PTVF96] includes an introduction to singular value decomposition for principal components analysis. Routines for PCA are included in most statistical software packages, such as SAS ([www.sas.com/SAS5form.html](http://www.sas.com/SAS5form.html)).

An introduction to regression and log-linear models can be found in several textbooks, such as James [Jam85], Dobson [Dob01], Johnson and Wichura [JW02], Devos [Dev95], and Neter, Kutner, Nachtsheim, and Wasserman [NKNW96]. For log-linear models (known as *multiple-Monkies* models in the computer science literature), see Pearl [Pea88]. For a general introduction to histograms, see Barbara et al. [BDF<sup>+</sup>97] and Devos and Peck [DP97]. For extensions of single attribute histograms to multiple attributes, see Muthukrishnan and DeWitt [MD98] and Procaccia and Lianhidis [PL97]. Several references to clustering algorithms are given in Chapter 7 of this book.

# Data Mining Concepts And Techniques 2 Edition Free

**Jiawei Han, Micheline Kamber**



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**Encyclopedia of Data Warehousing and Mining** John Wang,2009 This set offers thorough examination of the issues of importance in the rapidly changing field of data warehousing and mining Provided by publisher **Proceedings of the ... SIAM International Conference on Data Mining** ,2005 *Data Mining II* Nelson F. F. Ebecken,C. A. Brebbia,2000 Data mining deals with the discovery of hidden data patterns and rules in large databases This text constitutes the proceedings of the Second International Conference on Data Mining and includes contributions from many experts in the area

**Proceedings of the ... Congress on Evolutionary Computation** ,2003 *Maturity Model for Information Technology in Construction Industry* Nurshuhada Zainon,2018 *Intelligent Production Machines and Systems - 2nd I\*PROMS Virtual International Conference 3-14 July 2006* Duc T. Pham,Eldaw E. Eldukhri,Anthony J. Soroka,2006 I PROMS 2005 is an online web based conference It provides a platform for presenting discussing and disseminating research results contributed by scientists and industrial practitioners active in the area of intelligent systems and soft computing techniques such as fuzzy logic neural networks evolutionary algorithms and knowledge based systems and their application in different areas of manufacturing Comprised of 100 peer reviewed articles this important resource provides tools to help enterprises achieve goals critical to the future of manufacturing I PROMS is an European Union funded network that involves 30 partner organizations and more than 130 researchers from universities research organizations and corporations State of the art research results Leading European researchers and industrial practitioners Comprehensive collection of indexed and peer reviewed articles in book format supported by a user friendly full text CD ROM with search functionality [Forthcoming Books](#) Rose Arny,2003 [20th DASC](#) ,2001 **2001 IEEE International Conference on Data Mining** Nick Cercone,Tsau Y. Lin,Xindong Wu,2001 This proceedings of the November 2001 conference explores the design analysis and implementation of data mining theory and systems The 72 regular papers and 37 posters discuss data mining algorithms data

and knowledge representation modeling of data to support data mining scalability issues st **PC AI** ,2000 **2002 IEEE International Conference on Data Mining** Vipin Kumar,2002 Consists of 72 full papers and 49 short papers from the December 2002 conference on the design analysis and implementation of data mining theory systems and applications Topics of the full papers include evolutionary time series segmentation for stock data mining cluster merging and splitting **Data Mining: Concepts and Techniques** Jiawei Han,Micheline Kamber,Jian Pei,2011-06-09 Data Mining Concepts and Techniques provides the concepts and techniques in processing gathered data or information which will be used in various applications Specifically it explains data mining and the tools used in discovering knowledge from the collected data This book is referred as the knowledge discovery from data KDD It focuses on the feasibility usefulness effectiveness and scalability of techniques of large data sets After describing data mining this edition explains the methods of knowing preprocessing processing and warehousing data It then presents information about data warehouses online analytical processing OLAP and data cube technology Then the methods involved in mining frequent patterns associations and correlations for large data sets are described The book details the methods for data classification and introduces the concepts and methods for data clustering The remaining chapters discuss the outlier detection and the trends applications and research frontiers in data mining This book is intended for Computer Science students application developers business professionals and researchers who seek information on data mining Presents dozens of algorithms and implementation examples all in pseudo code and suitable for use in real world large scale data mining projects Addresses advanced topics such as mining object relational databases spatial databases multimedia databases time series databases text databases the World Wide Web and applications in several fields Provides a comprehensive practical look at the concepts and techniques you need to get the most out of your data Proceedings ,1997 *The Canadian Mining and Metallurgical Bulletin* ,1928 **Engineering News** ,1910 Data Mining: Concepts And Techniques, 2E Jiawei Han,Micheline Kamber,2010-01-01

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manufacturing and with a hiatus in north america from 2011 2018

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pump pressurizes the gasoline and sends it to the engine

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web motor vehicle can expose you to chemicals including engine exhaust carbon monoxide phthalates and lead which are known to the state of california to cause cancer and birth defects or other reproductive harm to minimize exposure avoid breathing exhaust do not idle the engine except as necessary service your vehicle

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web the original short block was based on the e6ae casting it was a very conventional cast iron 60° v6 block that looked a lot like chevy s 2 8l v6 and it was used in both fwd and rwd applications from day one rebuilders should be aware that all the early short blocks had four studded main bolts on the no 2 and no 3 main caps

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