

# Neural Networks in Business:



## Techniques and Applications

Kate Smith  
Jatinder Gupta



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# Neural Networks In Business Techniques And Applications

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## **Neural Networks In Business Techniques And Applications:**

Neural Networks in Business: Techniques and Applications Gupta, Jatinder N. D., Smith, Kate A., 2001-07-01 Neural Networks in Business Techniques and Applications aims to be an introductory reference book for professionals students and academics interested in applying neural networks to a variety of business applications The book introduces the three most common neural network models and how they work followed by a wide range of business applications and a series of case studies presented from contributing authors around the world Introduction to Neural Networks and Data Mining for Business Applications Kate A. Smith, 1999 Neural networks are a hot topic in the business community today Also marketed as intelligent techniques business intelligence and data mining many businesses are now realising the potential of neural networks to give them a competitive edge Nevertheless most neural network books are written by electrical engineers for electrical engineers with a high level of mathematics Those few books aimed at the business community invariably focus exclusively on financial prediction Consequently Introduction to Neural Networks and Data Mining for Business Applications is a ground breaking text With a minimum of mathematics it shows the potential of neural networks to unlock hidden information in data of various industries including retail marketing insurance telecommunications banking and finance and operations management The book covers the development of neural network research and its impact on business the early neural Perceptron model and its limitations backpropagation the most commonly used learning paradigm in business applications self organisation and adaptive resonance theory Data mining is then covered including the purpose methodology and concepts of directed and undirected knowledge discovery Other intelligent techniques often used in conjunction with neural networks are also covered including genetic algorithms fuzzy logic and expert systems The text concludes with a discussion of the future of neural networks research and applications Extensive business case studies are used throughout the text to demonstrate techniques *Neural Networks in Business*, 2000

**Intelligent Information Technologies: Concepts, Methodologies, Tools, and Applications** Sugumaran, Vijayan, 2007-11-30 This set compiles more than 240

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the positive applications of artificial intelligence and human computer interaction in various disciplines such as business and medicine This book is a valuable resource for IT professionals researchers computer scientists and researchers invested in assistive technologies artificial intelligence robotics and computer simulation      Encyclopedia of Data Warehousing and Mining Wang, John,2005-06-30 Data Warehousing and Mining DWM is the science of managing and analyzing large datasets and discovering novel patterns and in recent years has emerged as a particularly exciting and industrially relevant area of research Prodigious amounts of data are now being generated in domains as diverse as market research functional genomics and pharmaceuticals intelligently analyzing these data with the aim of answering crucial questions and helping make informed decisions is the challenge that lies ahead The Encyclopedia of Data Warehousing and Mining provides a comprehensive critical and descriptive examination of concepts issues trends and challenges in this rapidly expanding field of data warehousing and mining DWM This encyclopedia consists of more than 350 contributors from 32 countries 1 800 terms and definitions and more than 4 400 references This authoritative publication offers in depth coverage of evolutions theories methodologies functionalities and applications of DWM in such interdisciplinary industries as healthcare informatics artificial intelligence financial modeling and applied statistics making it a single source of knowledge and latest discoveries in the field of DWM      *Exploring the Latest Trends in Management Literature* Sudhir Rana,2022-11-14 Exploring the Latest Trends in Management Literature presents cutting edge literature reviews on the emerging concepts theories and research trends across management disciplines      **Intelligent Systems: Concepts, Methodologies, Tools, and Applications** Management Association, Information Resources,2018-06-04 Ongoing advancements in modern technology have led to significant developments in intelligent systems With the numerous applications available it becomes imperative to conduct research and make further progress in this field Intelligent Systems Concepts Methodologies Tools and Applications contains a compendium of the latest academic material on the latest breakthroughs and recent progress in intelligent systems Including innovative studies on information retrieval artificial intelligence and software engineering this multi volume book is an ideal source for researchers professionals academics upper level students and practitioners interested in emerging perspectives in the field of intelligent systems      **Soft Computing: Theories and Applications** Millie Pant,Tarun K. Sharma,Om Prakash Verma,Rajesh Singla,Afzal Sikander,2020-02-24 The book focuses on soft computing and its applications to solve real world problems in different domains ranging from medicine and health care to supply chain management image processing and cryptanalysis It includes high quality papers presented at the International Conference on Soft Computing Theories and Applications SoCTA 2018 organized by Dr B R Ambedkar National Institute of Technology Jalandhar Punjab India Offering significant insights into soft computing for teachers and researchers alike the book inspires more researchers to work in the field of soft computing      **Managing Data Mining Technologies in Organizations: Techniques and Applications** Pendharkar, Parag C.,2002-07-01 Portals present unique strategic challenges in the academic environment

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