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Titolo	Environment and female reproductive health / / Huidong Zhang, Jie Yan, editors
Pubbl/distr/stampa	Singapore : , : Springer, , [2021] Â©2021
ISBN	981-334-187-4
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XI, 313 p. 13 illus., 10 illus. in color.)
Collana	Advances in Experimental Medicine and Biology ; ; Volume 1300
Disciplina	615.1
Soggetti	Pharmacology Obstetrics Public health
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I Environmental Harmful Factors -- 1 Introduction to Environmental Harmful Factors -- Part II Female Reproductive Processes and Diseases -- 2 Introduction of Female Reproductive Processes and Reproductive Diseases -- Part III Effects of Environmental Factors on Reproductive Process -- 3 The Influence of Environmental Factors on Ovarian Function, Follicular Genesis, and Oocyte Quality -- 4 Effects of environment and lifestyle factors on premature ovarian failure -- 5 Effects of Environment and Lifestyle Factors on Anovulatory Disorder -- 6 Effects of Cigarette Smoking on Preimplantation Embryo Development -- 7 Toxicical effects of BPDE on dysfunctions of female trophoblast cells -- 8 The Roles of Stress-Induced Immune Response in Female Reproduction -- 9 Effects of Environmental EDCs on Oocyte Quality, Embryo Development and the Outcome in Human IVF Process -- Part IV Effects of Environmental Factors on Reproductive Diseases -- 10 Effects of environmental endocrine-disrupting chemicals on female reproductive health -- 11 Definition and Multiple Factors of Recurrent Spontaneous Abortion -- 12 The Variations of Metabolic Detoxification Enzymes Lead to Recurrent Miscarriage and their Diagnosis Strategy -- Part V Effects of Environmental Factors on Fertility Preservation -- 13 The Effects of Negative Elements in Environment and Cancer on Female Reproductive

	System.
Sommario/riassunto	This book will focus on the harmful effect of environmental toxins on female reproductive health. Reproduction is the basis of the continuation of human beings, and environment is the basis of human survival. However, environmental pollution has become a potential risk factor for human reproductive health, which not only leads to many chronic diseases, but also causes certain harm to reproductive health. Compared to male reproduction, female reproductive process is more complex, the reproductive system is more fragile, and is more vulnerable to be damaged. The aim of this book is to review the research progress, to address the challenges, and to stimulate the development in the direction of environment and female reproductive health.

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Record Nr.	UNINA9910830998803321
Titolo	Mining graph data [[electronic resource] /] / edited by Diane J. Cook, Lawrence B. Holder
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2007
ISBN	1-280-74020-5 9786610740208 0-470-07304-7 0-470-07303-9
Descrizione fisica	1 online resource (501 p.)
Altri autori (Persone)	CookDiane J. <1963-> HolderLawrence B. <1964->
Disciplina	005.74
Soggetti	Data mining Data structures (Computer science) Graphic methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	MINING GRAPH DATA; CONTENTS; Preface; Acknowledgments; Contributors; 1 INTRODUCTION; 1.1 Terminology; 1.2 Graph

Databases; 1.3 Book Overview; References; Part I GRAPHS; 2 GRAPH MATCHING-EXACT AND ERROR-TOLERANT METHODS AND THE AUTOMATIC LEARNING OF EDIT COSTS; 2.1 Introduction; 2.2 Definitions and Graph Matching Methods; 2.3 Learning Edit Costs; 2.4 Experimental Evaluation; 2.5 Discussion and Conclusions; References; 3 GRAPH VISUALIZATION AND DATA MINING; 3.1 Introduction; 3.2 Graph Drawing Techniques; 3.3 Examples of Visualization Systems; 3.4 Conclusions; References
4 GRAPH PATTERNS AND THE R-MAT GENERATOR4.1 Introduction; 4.2 Background and Related Work; 4.3 NetMine and R-MAT; 4.4 Experiments; 4.5 Conclusions; References; Part II MINING TECHNIQUES; 5 DISCOVERY OF FREQUENT SUBSTRUCTURES; 5.1 Introduction; 5.2 Preliminary Concepts; 5.3 Apriori-based Approach; 5.4 Pattern Growth Approach; 5.5 Variant Substructure Patterns; 5.6 Experiments and Performance Study; 5.7 Conclusions; References; 6 FINDING TOPOLOGICAL FREQUENT PATTERNS FROM GRAPH DATASETS; 6.1 Introduction; 6.2 Background Definitions and Notation
6.3 Frequent Pattern Discovery from Graph Datasets-Problem Definitions6.4 FSG for the Graph-Transaction Setting; 6.5 SIGRAM for the Single-Graph Setting; 6.6 GREW-Scalable Frequent Subgraph Discovery Algorithm; 6.7 Related Research; 6.8 Conclusions; References; 7 UNSUPERVISED AND SUPERVISED PATTERN LEARNING IN GRAPH DATA; 7.1 Introduction; 7.2 Mining Graph Data Using Subdue; 7.3 Comparison to Other Graph-Based Mining Algorithms; 7.4 Comparison to Frequent Substructure Mining Approaches; 7.5 Comparison to ILP Approaches; 7.6 Conclusions; References; 8 GRAPH GRAMMAR LEARNING; 8.1 Introduction
8.2 Related Work8.3 Graph Grammar Learning; 8.4 Empirical Evaluation; 8.5 Conclusion; References; 9 CONSTRUCTING DECISION TREE BASED ON CHUNKINGLESS GRAPH-BASED INDUCTION; 9.1 Introduction; 9.2 Graph-Based Induction Revisited; 9.3 Problem Caused by Chunking in B-GBI; 9.4 Chunkingless Graph-Based Induction (Cl-GBI); 9.5 Decision Tree Chunkingless Graph-Based Induction (DT-ClGBI); 9.6 Conclusions; References; 10 SOME LINKS BETWEEN FORMAL CONCEPT ANALYSIS AND GRAPH MINING; 10.1 Presentation; 10.2 Basic Concepts and Notation; 10.3 Formal Concept Analysis
10.4 Extension Lattice and Description Lattice Give Concept Lattice10.5 Graph Description and Galois Lattice; 10.6 Graph Mining and Formal Propositionalization; 10.7 Conclusion; References; 11 KERNEL METHODS FOR GRAPHS; 11.1 Introduction; 11.2 Graph Classification; 11.3 Vertex Classification; 11.4 Conclusions and Future Work; References; 12 KERNELS AS LINK ANALYSIS MEASURES; 12.1 Introduction; 12.2 Preliminaries; 12.3 Kernel-based Unified Framework for Importance and Relatedness; 12.4 Laplacian Kernels as a Relatedness Measure; 12.5 Practical Issues; 12.6 Related Work
12.7 Evaluation with Bibliographic Citation Data

Sommario/riassunto

This text takes a focused and comprehensive look at mining data represented as a graph, with the latest findings and applications in both theory and practice provided. Even if you have minimal background in analyzing graph data, with this book you'll be able to represent data as graphs, extract patterns and concepts from the data, and apply the methodologies presented in the text to real datasets. There is a misprint with the link to the accompanying Web page for this book. For those readers who would like to experiment with the techniques found in this book or test their own ideas on graph