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Recommender System with Machine Learning and Artificial Intelligence: Practical Tools and Applications in Medical and Agricultural Domains

Book Editors: Dr. Sachi Nandan Mohanty, Dr. Ahmed A. Elngar, Dr. Sarika Jain, Dr. Priya Gupta, Prof. Jyotirmoy Chatterjee


Dr.Sachi Nandan Mohanty


Dr.Ahmed A Elngar


Dr.Priya Gupta


Dr.Sarika Jain


Prof. Jyotirmoy Chatterjee

Scope of the Book :

The edited book **"Recommender System with Machine Learning and Artificial Intelligence: Practical Tools and Applications in Medical and Agricultural Domains"** is intended to discuss the recommender systems, which aid to personalize the recommendations of items/services to the users based on their past behavior. It will also help students, academicians, researchers and industry experts working on Recommender System methods that have been adapted to diverse applications including social networking, movie recommendation, query log mining, news recommendations, and computational advertising. Therefore, the major objective of this book is providing a Recommender system for presenting Machine Learning and Artificial Intelligence techniques employed in medical and Agricultural Domains. Finally, this book synthesizes both fundamental and advanced topics of a research areas that have reached maturity. The chapters of this proceeding are organized into three parts:

Algorithms and quantitative approach: The chapters in this part will discuss the fundamental algorithms in recommender systems, including collaborative filtering methods, content-based methods, knowledge-based methods, ensemble-based methods, and evaluation.

Recommendations in specific domains and contexts: in this part the chapters will give the context of a recommendation which can be viewed as important side information that affects the recommendation goals. Also, different types of context such as temporal data, spatial data, social data, tagging data, and trustworthiness are explored.

Applications: the chapters in the final part will discuss various robustness aspects of recommender systems, such as Trust based recommendation system, Recommendation system on Tourist, Medical Sciences, and Agriculture field, are discussed.
In addition, current topics, such as learning to rank, multi-armed bandits, group systems, multi-criteria Decision support systems, and active learning systems, are introduced together with applications.

Chapters :

Chapter 1: An Introduction to Basic Concepts on Recommender Systems
Chapter 2: Hybrid Recommender Systems
Chapter 3: Explanations in Recommender Systems
Chapter 4: Content-Based Recommender Systems
Chapter 5: Model-Based Recommender Systems
Chapter 6: Knowledge-Ensemble based Recommender Systems
Chapter 7: Recommender Systems and the next-generation web
Chapter 8: Social media Recommender Systems
Chapter 9: Consumer Decision making and Recommender Systems
Chapter 10: Trust-based Recommender Systems
Chapter 11: Product or Item Based Recommender Systems
Chapter 12: CASE Study 1: Health care Recommender Systems
Chapter 13: CASE Study 2: Recommender Systems on Agriculture domain
Chapter 14: Personalization game recommendation on mobile users
Chapter 15: Advanced Topics in Recommender Systems

This title is indexed in

Scopus®

Important dates:

Abstract submission deadline:	10.10.2019
Abstract Acceptance Deadline:	30.10.2019
Full Chapter Submission:	25.11.2019
Review Notification:	05.01.2020
Revised version submission Deadline:	15.01.2020
Final Decision Notification:	30.01.2020

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