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Systems Dietmar Jannach, Associate Professor Markus Zanker, Professor Alexander Felfernig, Gerhard Friedrich, 2014-05-14 This book introduces different approaches to developing recommender systems that automate choice making strategies to provide affordable personal and high quality recommendations **Recommender Systems**, 2010 Group Recommender Systems Alexander Felfernig, Ludovico Boratto, Martin Stettinger, Marko Tkalčič, 2023-11-27 This book discusses different aspects of group recommender systems which are systems that help to identify recommendations for groups instead of single users In this context the authors present different related techniques and applications The book includes in depth summaries of group recommendation algorithms related industrial applications different aspects of preference construction and explanations user interface aspects of group recommender systems and related psychological aspects that play a crucial role in group decision scenarios **Recommender Systems Handbook** Francesco Ricci, Lior Rokach, Bracha

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systems

Group Recommender Systems Alexander Felfernig, Ludovico Boratto, Martin Stettinger, Marko Tkalčič, 2018-03-07 This book presents group recommender systems which focus on the determination of recommendations for groups of users. The authors summarize different technologies and applications of group recommender systems. They include an in-depth discussion of state-of-the-art algorithms, an overview of industrial applications, an inclusion of the aspects of decision biases in groups and corresponding de-biasing approaches. The book includes a discussion of basic group recommendation methods, aspects of human decision making in groups and related applications. A discussion of open research issues is included to inspire new related research. The book serves as a reference for researchers and practitioners working on group recommendation related topics.

Recommender Systems Dietmar Jannach, 2010 In this age of information overload, people use a variety of strategies to make choices about what to buy, how to spend their leisure time, and even whom to date. Recommender systems automate some of these strategies with the goal of providing affordable, personal, and high-quality recommendations. This book offers an overview of approaches to developing state-of-the-art recommender systems. The authors present current algorithmic approaches for generating personalized buying proposals, such as collaborative and content-based filtering, as well as more interactive and knowledge-based approaches. They also discuss how to measure the effectiveness of recommender systems and illustrate the methods with practical case studies. The final chapters cover emerging topics such as recommender systems in the social web and consumer buying behavior theory. Suitable for computer science researchers and students interested in getting an overview of the field, this book will also be useful for professionals looking for the right technology to build real-world recommender systems.

Semantics in Adaptive and Personalised Systems Pasquale Lops, Cataldo Musto, Fedelucio Narducci, Giovanni Semeraro, 2019-09-18 This monograph gives a complete overview of the techniques and the methods for semantics-aware content representation and shows how to apply such techniques in various use cases such as recommender systems, user profiling, and social media analysis. Throughout the book, the authors provide an extensive analysis of the techniques currently proposed in the literature and cover all the available tools and libraries to implement and exploit such methodologies in real-world scenarios. The book first introduces the problem of information overload and the reasons why content-based information needs to be taken into account. Next, the basics of Natural Language Processing are provided by describing operations such as tokenization, stopword removal, lemmatization, stemming, part-of-speech tagging, along with the main problems and issues. Finally, the book describes the different approaches for semantics-aware content representation; such approaches are split into exogenous and endogenous ones, depending on whether external knowledge sources (e.g., DBpedia) or geometrical models and distributional semantics are used, respectively. To conclude, several successful use cases and an extensive list of available tools and resources to implement the approaches are shown. **Semantics in Adaptive and Personalised Systems** definitely fills the gap between the extensive literature on content-based recommender systems, natural language processing, and the different types

of semantics aware representations *Theory and Applications of Dependable Computer Systems* Wojciech Zamojski, Jacek Mazurkiewicz, Jarosław Sugier, Tomasz Walkowiak, Janusz Kacprzyk, 2020-05-21 This book presents selected papers from the Fifteenth International Conference on Dependability of Computer Systems DepCoS RELCOMEX which illustrate the diversity of theoretical problems in analysis of performability reliability and security of contemporary computer systems Covering also methodologies and practical tools involved in this field it is a valuable reference resource for scientists researchers practitioners and students who are dealing with these subjects Established in 2006 DepCoS RELCOMEX is an annual conference series organised by Wrocław University of Science and Technology It focuses on the dependability and performability of contemporary computer systems topics that can provide solutions to new challenges in evaluation of their reliability and efficiency Since they are probably the most complex technical systems ever engineered by humans the organization of modern computer systems cannot be modelled and analysed solely as structures however complex and distributed built only on the basis of technical resources Instead they should be considered as a unique blend of interacting people their needs and behaviours networks together with mobile properties iCloud organisation Internet of Everything and a large number of users dispersed geographically and producing an unimaginable number of applications This new interdisciplinary approach is developing a continually increasing range of methods which apply also the latest findings in artificial intelligence AI and computational intelligence CI **Privacy, Security, and Trust in KDD** Francesco

Bonchi, Elena Ferrari, Wei Jiang, Bradley Malin, 2009-05-25 This book constitutes the thoroughly refereed post workshop proceedings of the Second International Workshop on Privacy Security and Trust in KDD PinKDD 2008 held in Las Vegas NV USA in March 2008 in conjunction with the 14th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining KDD 2008 The 5 revised full papers presented together with 1 invited keynote lecture and 2 invited panel sessions were carefully reviewed and selected from numerous submissions The papers are extended versions of the workshop presentations and incorporate reviewers comments and discussions at the workshop and represent the diversity of data mining research issues in privacy security and trust as well as current work on privacy issues in geographic data mining

Impact of context-aware recommender systems on habitual listening patterns, 2017-11-21 Seminar paper from the year 2017 in the subject Musicology Miscellaneous grade 1.0 language English abstract With the ubiquitous availability and rapid travelling of information networked media environments confront consumers with an abundance of information which they can not handle by themselves As consequence of that digital media platforms such as Spotify make use of recommender systems that suggest items based on anticipated user preferences Thereby algorithms assist users to navigate huge databases of items Recommender systems turn out to be one of the most powerful tools to cope with information overload On the other hand digital music platforms afford user with new opportunities to add share comment or rank items and thus facilitate the formation of participatory music communities However very little is known about the socio cultural

consequences of computer mediated decision making processes *Recommender Systems for Learning* Nikos Manouselis, Hendrik Drachler, Katrien Verbert, Erik Duval, 2012-08-28 Technology enhanced learning TEL aims to design develop and test sociotechnical innovations that will support and enhance learning practices of both individuals and organisations It is therefore an application domain that generally covers technologies that support all forms of teaching and learning activities Since information retrieval in terms of searching for relevant learning resources to support teachers or learners is a pivotal activity in TEL the deployment of recommender systems has attracted increased interest This brief attempts to provide an introduction to recommender systems for TEL settings as well as to highlight their particularities compared to recommender systems for other application domains Sparsity, Scalability, and Distribution in Recommender Systems Badrul Munir Sarwar, 2001 **Mining Influence in Recommender Systems** Al Mumunur Rashid, 2007

Recommender Systems Handbook Francesco Ricci, Lior Rokach, Bracha Shapira, 2022-04-21 This third edition handbook describes in detail the classical methods as well as extensions and novel approaches that were more recently introduced within this field It consists of five parts general recommendation techniques special recommendation techniques value and impact of recommender systems human computer interaction and applications The first part presents the most popular and fundamental techniques currently used for building recommender systems such as collaborative filtering semantic based methods recommender systems based on implicit feedback neural networks and context aware methods The second part of this handbook introduces more advanced recommendation techniques such as session based recommender systems adversarial machine learning for recommender systems group recommendation techniques reciprocal recommenders systems natural language techniques for recommender systems and cross domain approaches to recommender systems The third part covers a wide perspective to the evaluation of recommender systems with papers on methods for evaluating recommender systems their value and impact the multi stakeholder perspective of recommender systems the analysis of the fairness novelty and diversity in recommender systems The fourth part contains a few chapters on the human computer dimension of recommender systems with research on the role of explanation the user personality and how to effectively support individual and group decision with recommender systems The last part focusses on application in several important areas such as food music fashion and multimedia recommendation This informative third edition handbook provides a comprehensive yet concise and convenient reference source to recommender systems for researchers and advanced level students focused on computer science and data science Professionals working in data analytics that are using recommendation and personalization techniques will also find this handbook a useful tool Online News Recommendation Systems in Machine Learning , 2023-03-01 Research Paper postgraduate from the year 2018 in the subject Computer Science Applied grade A National University of Modern Languages Islamabad Institute of Management Sciences course IT language English abstract Bearing in mind the increasing need for access to personalized news the current research study aims at

developing an online news recommendation system that could offer an optimum online news reading experience in a highly personalized fashion The study considers major methodologies and perspectives such as reinforced learning Q Learning Collaborative Filtering and User Profiling within this domain in order to implement the ONRS system Online news reading has gained more attention in recent years than ever particularly based on the increasing dependence of users on smartphones and the internet Leading a busy lifestyle end users find it hard to search for relevant news articles online and require tools that could provide them with the most needed news feed on the go Although legacy news recommendation systems do exist yet they do not offer optimum efficiency and accuracy

Proceedings of the 2004 ACM Symposium on Document Engineering Ethan V. Munson,2004 **Foundations of Intelligent Systems** ,2002 Proceedings of the ACM Conference on Electronic Commerce (EC'99) ,1999 *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

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Table of Contents Recommender Systems An Introduction

1. Understanding the eBook Recommender Systems An Introduction
 - The Rise of Digital Reading Recommender Systems An Introduction
 - Advantages of eBooks Over Traditional Books
2. Identifying Recommender Systems An Introduction
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Recommender Systems An Introduction
 - User-Friendly Interface
4. Exploring eBook Recommendations from Recommender Systems An Introduction
 - Personalized Recommendations
 - Recommender Systems An Introduction User Reviews and Ratings
 - Recommender Systems An Introduction and Bestseller Lists
5. Accessing Recommender Systems An Introduction Free and Paid eBooks

- Recommender Systems An Introduction Public Domain eBooks
 - Recommender Systems An Introduction eBook Subscription Services
 - Recommender Systems An Introduction Budget-Friendly Options
6. Navigating Recommender Systems An Introduction eBook Formats
 - ePub, PDF, MOBI, and More
 - Recommender Systems An Introduction Compatibility with Devices
 - Recommender Systems An Introduction Enhanced eBook Features
 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Recommender Systems An Introduction
 - Highlighting and Note-Taking Recommender Systems An Introduction
 - Interactive Elements Recommender Systems An Introduction
 8. Staying Engaged with Recommender Systems An Introduction
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Recommender Systems An Introduction
 9. Balancing eBooks and Physical Books Recommender Systems An Introduction
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Recommender Systems An Introduction
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Recommender Systems An Introduction
 - Setting Reading Goals Recommender Systems An Introduction
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Recommender Systems An Introduction
 - Fact-Checking eBook Content of Recommender Systems An Introduction
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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