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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<ul> <li>1 An Introduction to Recommendation Systems in Software Engineering</li> <li> Part I Techniques 2 Basic Approaches in Recommendation</li> <li>Systems 3 Data Mining 4 Recommendation Systems in-the-Small</li> <li> 5 Source Code Based Recommendation Systems 6 Mining Bug</li> <li>Data 7 Collecting and Processing Interaction Data for</li> <li>Recommendation Systems 8 Developer Profiles for Recommendation</li> <li>Systems 9 Recommendation Delivery Part II Evaluation 10</li> <li>Dimensions and Metrics for Evaluating Recommendation Systems 11</li> <li>Benchmarking 12 Simulation 13 Field Studies Part III</li> <li>Applications 14 Reuse-Oriented Code Recommendation Systems</li> <li>15 Recommending Refactoring Operations in Large Software Systems</li> <li> 16 Recommending Program Transformations 17</li> <li>Recommendation Systems in Requirements Discovery 18 Changes,</li> </ul>

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	Evolution and Bugs 19 Recommendation Heuristics for Improving Product Line Configuration Processes.
Sommario/riassunto	With the growth of public and private data stores and the emergence of off-the-shelf data-mining technology, recommendation systems have emerged that specifically address the unique challenges of navigating and interpreting software engineering data. This book collects, structures, and formalizes knowledge on recommendation systems in software engineering. It adopts a pragmatic approach with an explicit focus on system design, implementation, and evaluation. The book is divided into three parts: "Part I – Techniques" introduces basics for building recommenders in software engineering, including techniques for collecting and processing software engineering data, but also for presenting recommendations to users as part of their workflow. "Part II – Evaluation" summarizes methods and experimental designs for evaluating recommendations in software engineering. "Part III – Applications" describes needs, issues, and solution concepts involved in entire recommendation systems for specific software engineering tasks, focusing on the engineering insights required to make effective recommendations. The book is complemented by the webpage rsse. org/book, which includes free supplemental materials for readers of this book and anyone interested in recommendation systems in software engineering. The book is particularly well-suited for graduate students and researchers building new recommendation systems for software engineering applications or in other high-tech fields. It may also serve as the basis for graduate courses on recommendation systems or similar applications with predictive functionality will also benefit from the broad spectrum of topics covered.