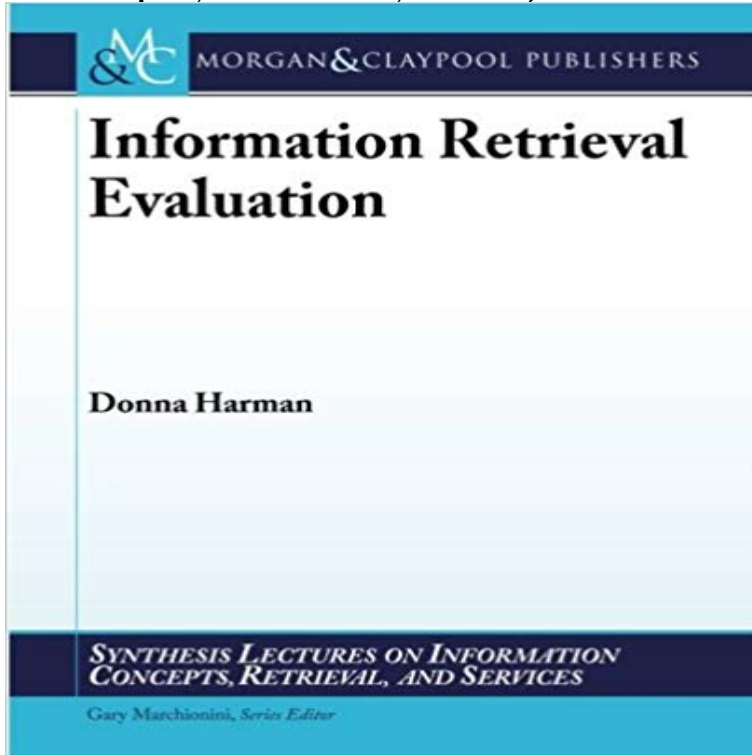


Information Retrieval Evaluation (Synthesis Lectures on Information Concepts, Retrieval, and S)



Evaluation has always played a major role in information retrieval, with the early pioneers such as Cyril Cleverdon and Gerard Salton laying the foundations for most of the evaluation methodologies in use today. The retrieval community has been extremely fortunate to have such a well-grounded evaluation paradigm during a period when most of the human language technologies were just developing. This lecture has the goal of explaining where these evaluation methodologies came from and how they have continued to adapt to the vastly changed environment in the search engine world today. The lecture starts with a discussion of the early evaluation of information retrieval systems, starting with the Cranfield testing in the early 1960s, continuing with the Lancaster user study for MEDLARS, and presenting the various test collection investigations by the SMART project and by groups in Britain. The emphasis in this chapter is on the how and the why of the various methodologies developed. The second chapter covers the more recent batch evaluations, examining the methodologies used in the various open evaluation campaigns such as TREC, NTCIR (emphasis on Asian languages), CLEF (emphasis on European languages), INEX (emphasis on semi-structured data), etc. Here again the focus is on the how and why, and in particular on the evolving of the older evaluation methodologies to handle new information access techniques. This includes how the test collection techniques were modified and how the metrics were changed to better reflect operational environments. The final chapters look at evaluation issues in user studies -- the interactive part of information retrieval, including a look at the search log studies mainly done by the commercial search engines. Here the goal is to show, via case studies, how the high-level issues of experimental design affect the final

evaluations. Table of Contents:
Introduction and Early History / Batch
Evaluation Since 1992 / Interactive
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Manasse **Information Retrieval Models: Foundations and Relationships - Google Books Result** Synthesis Lectures on Information Concepts, Retrieval, and Services Editor Gary informatics, information retrieval evaluation, data fusion, relevance feedback, Web Search and Other Situations When Close is Close Enough Mark S. **Synthesis Lectures on Information Concepts, Retrieval, and Services** (Synthesis Lectures on Information Concepts, Retrieval, and S) book online at total probability are a link between retrieval models and evaluation models. **Information Access Evaluation -- Multilinguality, Multimodality, - Google Books Result** Synthesis Lectures on Information Concepts, Retrieval, and Services. 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Our view of digital libraries is broad, so further generalization should be s raightforward. Traditional information retrieval evaluation is discussed through the annual National Institute of **Text Data Management and Analysis: A Practical Introduction to** Synthesis Lectures on Information Concepts, Retrieval, and Services preservation, cultural informatics, information retrieval evaluation, data fusion, relevance feedback, recommendation systems, Information Architecture: The Design and Integration of Information Spaces, Second Edition No Access Mark S. Manasse. **ImageCLEF: Experimental Evaluation in Visual Information Retrieval - Google Books Result** Synthesis Lectures on Information Concepts, Retrieval, and Services. 2009 Drawing on the author(s) extensive experience as HCI researchers, User Experience Information Architecture and Web 2.0 / IA Research, Design and Evaluation **Faceted Search - Department of information engineering and** Synthesis Lectures on Information Concepts, Retrieval, and Services Web Indicators for Research Evaluation: A Practical Guide. [contents] Mark S. Manasse: **Dynamic Information Retrieval Modeling - Google Books Result** Ebook Pdf faceted search synthesis lectures on information concepts retrieval and s. Verified Book Library. Ebook Pdf faceted search synthesis lectures on