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Nota di contenuto	Reducing Reliance on Relevance Judgments for System Comparison by Using Expectation-Maximization.- Best and Fairest: An Empirical Analysis of Retrieval System Bias -- Tackling Biased Baselines in the Risk-Sensitive Evaluation of Retrieval Systems.- Content + Attributes: A

Latent Factor Model for Recommending Scientific Papers in Heterogeneous Academic Networks.- Real-Time News Recommendation Using Context-Aware Ensembles.- A Personalised Recommendation System for Context-Aware Suggestions -- Optimizing Base Rankers Using Clicks: A Case Study Using BM25. - Predicting Search Task Difficulty.- Crawling Policies Based on Web Page Popularity Prediction.- Measuring the Effectiveness of Gamesourcing Expert Oil Painting Annotations.- Relevance-Ranked Domain-Specific Synonym Discovery -- Towards Generating Text Summaries for Entity Chains.- Tolerance of Effectiveness Measures to Relevance Judging Errors.- Evaluation of IR Applications with Constrained Real Estate.- Dissimilarity Based Query Selection for Efficient Preference Based IR Evaluation.- Blending Vertical and Web Results: A Case Study Using Video Intent.- Personalizing Aggregated Search.- HetPathMine: A Novel Transductive Classification Algorithm on Heterogeneous Information Networks.- Leveraging Dynamic Query Subtopics for Time-Aware Search Result Diversification.- A Study of Query Term Deletion Using Large-Scale E-commerce Search Logs. - Detecting Missing Content Queries in an SMS-Based HIV/AIDS FAQ Retrieval System.- Cross-Language Pseudo-Relevance Feedback Techniques for Informal Text -- Hierarchical Multi-label Conditional Random Fields for Aspect-Oriented Opinion Mining.- Generating Pseudo-ground Truth for Predicting New Concepts in Social Streams -- Thumbnail Summarization Techniques for Web Archives -- CiteSeerx: A Scholarly Big Dataset -- User Reviews in the Search Index? That'll Never Work.- A Scalable Gibbs Sampler for Probabilistic Entity Linking. - Effective Kernelized Online Learning in Language Processing Tasks -- On Inverted Index Compression for Search Engine Efficiency.- Exploring the Space of IR Functions.- Metric Spaces for Temporal Information Retrieval.- Local Linear Matrix Factorization for Document Modeling. - Video Clip Retrieval by Graph Matching.- EDIUM: Improving Entity Disambiguation via User Modeling.- A Comparison of Approaches for Measuring Cross-Lingual Similarity of Wikipedia Articles.- Challenges on Combining Open Web and Dataset Evaluation Results: The Case of the Contextual Suggestion Track.- Integrating Multiple Resources for Diversified Query Expansion.- Facet-Based User Modeling in Social Media for Personalized Ranking.- Spot the Ball: Detecting Sports Events on Twitter.- Exploiting Result Diversification Methods for Feature Selection in Learning to Rank.- Boilerplate Detection and Recoding.- A Two-level Approach for Subtitle Alignment -- Analyzing Discussions on Twitter: Case Study on HPV Vaccinations.- Automatically Retrieving Explanatory Analogies from Webpages.- Geo-spatial Domain Expertise in Microblogs -- The Impact of Semantic Document Expansion on Cluster-Based Fusion for Microblog Search.- Towards a Classifier for Digital Sensitivity Review.- Unsupervised Approach for Identifying Users' Political Orientations.- User Perception of Information Credibility of News on Twitter.- Sentiment Analysis and the Impact of Employee Satisfaction on Firm Earnings.- Entity Tracking in Real-Time Using Subtopic Detection on Twitter -- Time-Aware Focused Web Crawling. - Temporal Expertise Profiling.- Assessing Quality of Unsupervised Topics in Song Lyrics.- An Information Retrieval-Based Approach to Determining Contextual Opinion Polarity of Words.- Query Term Suggestion in Academic Search.- The Impact of Future Term Statistics in Real-Time Tweet Search.- Exploring Adaptive Window Sizes for Entity Retrieval.- Score Normalization Using Logistic Regression with Expected Parameters.- MoreInformative Open Information Extraction via Simple Inference.- Learning a Theory of Marriage (and Other Relations) from a Web Corpus.- Learning from User Interactions for

Recommending Content in Social Media -- Towards an Entity-Based Automatic Event Validation.- Query Expansion with Temporal Segmented Texts.- On Clustering and Polyrepresentation.- Effects of Position Bias on Click-Based Recommender Evaluation.- Bringing Information Retrieval into Crowdsourcing: A Case Study.- Quality-Based Automatic Classification for Presentation Slides.- Context of Seasonality in Web Search.- On the Effect of Locality in Compressing Social Networks.- Cross-Domain Collaborative Filtering with Factorization Machines.- Improvements to Suffix Tree Clustering -- Deep Learning for Character-Based Information Extraction.- Text-Image Topic Discovery for Web News Data.- Detecting Event Visits in Urban Areas via Smartphone GPS Data.- A Case for Hubness Removal in High-Dimensional Multimedia Retrieval -- Multi-evidence User Group Discovery in Professional Image Search.- Analyzing Tweets to Aid Situational Awareness.- Query-Dependent Contextualization of Streaming Data.- An Exploration of Tie-Breaking for Microblog Retrieval.- Efficiently Estimating Retrievability Bias.- A Language Modeling Approach to Personalized Search Based on Users' Microblog Behavior.- Using Hand Gestures for Specifying Motion Queries in Sketch-Based Video Retrieval.- Page Retrievability Calculator.- ORMA: A Semi-automatic Tool for Online Reputation Monitoring in Twitter.- My First Search User Interface -- Needle Custom Search: Recall-Oriented Search on the Web Using Semantic Annotations -- Khresmoi Professional: Multilingual, Multimodal Professional Medical Search. - DAIKnow: A Gamified Enterprise Bookmarking System.- Search Maps: Enhancing Traceability and Overview in Collaborative Information Seeking.- Visual Interactive Environment for Making Sense of Experimental Data -- TripBuilder: A Tool for Recommending Sightseeing Tours.- GTE-Cluster: A Temporal Search Interface for Implicit Temporal Queries.- SQX-Lib: Developing a Semantic Query Expansion System in a Media Group.- EntEXPO: An Interactive Search System for Entity-Bearing Queries.- Column Stores as an IR Prototyping Tool.- CroSeR: Cross-language Semantic Retrieval of Open Government Data.- Bibliometric-Enhanced Information Retrieval.- 4th Workshop on Context-Awareness in Retrieval and Recommendation.- Workshop on Gamification for Information Retrieval (GamifIR'14).- Information Access in Smart Cities (i-ASC).- Designing Search Usability.- Text Quantification.- The Cluster Hypothesis in Information Retrieval.

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## Sommario/riassunto

This book constitutes the proceedings of the 36th European Conference on IR Research, ECIR 2014, held in Amsterdam, The Netherlands, in April 2014. The 33 full papers, 50 poster papers and 15 demonstrations presented in this volume were carefully reviewed and selected from 288 submissions. The papers are organized in the following topical sections: evaluation, recommendation, optimization, semantics, aggregation, queries, mining social media, digital libraries, efficiency, and information retrieval theory. Also included are 3 tutorial and 4 workshop presentations.

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