

Table of Contents

Foreword	xiii
Preface	xv
Chapter 1	
Extracting Sentiment Patterns from Syntactic Graphs	1
<i>Alexander Pak, Université Paris-Sud, France</i>	
<i>Patrick Paroubek, Université Paris-Sud, France</i>	
Chapter 2	
Mobile Context Data Mining: Methods and Applications.....	19
<i>Enhong Chen, University of Science and Technology of China, China</i>	
<i>Tengfei Bao, University of Science and Technology of China, China</i>	
<i>Huanhuan Cao, Nokia Research Center, China</i>	
Chapter 3	
Clustering Algorithms for Tags	39
<i>Yu Zong, West Anhui University, China & University of Science and Technology of China, China</i>	
<i>Guandong Xu, University of Technology Sydney, Australia</i>	
Chapter 4	
Grouping the Similar among the Disconnected Bloggers.....	54
<i>Nitin Agarwal, University of Arkansas at Little Rock, USA</i>	
<i>Debanjan Mahata, University of Arkansas at Little Rock, USA</i>	
Chapter 5	
Topic Modeling for Web Community Discovery.....	72
<i>Kulwadee Somboonviwat, King Mongkut's Institute of Technology Ladkrabang (KMITL), Thailand</i>	
Chapter 6	
Analyzing Social Networks to Mine Important Friends.....	90
<i>Carson K.-S. Leung, University of Manitoba, Canada</i>	
<i>Irish J. M. Medina, University of Manitoba, Canada</i>	
<i>Syed K. Tanbeer, University of Manitoba, Canada</i>	

Chapter 7	
News Document Summarization Driven by User-Generated Content	105
<i>Luca Cagliero, Politecnico di Torino, Italy</i>	
<i>Alessandro Fiori, IRC@C: Institute for Cancer Research and Treatment at Candiolo, Italy</i>	
Chapter 8	
Method for Modeling User Semantics and its Application to Service Navigation on the Web	127
<i>Munehiko Sasajima, Osaka University, Japan</i>	
<i>Yoshinobu Kitamura, Osaka University, Japan</i>	
<i>Riichiro Mizoguchi, Osaka University, Japan</i>	
Chapter 9	
Tag Cloud Reorganization: Finding Groups of Related Tags on Delicious.....	140
<i>Alberto Pérez García-Plaza, UNED, Spain</i>	
<i>Arkaitz Zubiaga, City University of New York, USA</i>	
<i>Victor Fresno, UNED, Spain</i>	
<i>Raquel Martínez, UNED, Spain</i>	
Chapter 10	
Global Community Extraction in Social Network Analysis.....	156
<i>Xianchao Zhang, Dalian University of Technology, China</i>	
<i>Liang Wang, Dalian University of Technology, China</i>	
<i>Yueling Li, Dalian University of Technology, China</i>	
<i>Wenxin Liang, Dalian University of Technology, China</i>	
Chapter 11	
Local Community Extraction in Social Network Analysis.....	172
<i>Xianchao Zhang, Dalian University of Technology, China</i>	
<i>Liang Wang, Dalian University of Technology, China</i>	
<i>Yueling Li, Dalian University of Technology, China</i>	
<i>Wenxin Liang, Dalian University of Technology, China</i>	
Chapter 12	
Supporting Social Interaction in Campus-Scale Environments by Embracing Mobile Social Networking	182
<i>Zhiwen Yu, Northwestern Polytechnical University, China</i>	
<i>Yunji Liang, Northwestern Polytechnical University, China</i>	
<i>Yue Yang, Northwestern Polytechnical University, China</i>	
<i>Bin Guo, Northwestern Polytechnical University, China</i>	
Chapter 13	
Recommending Related Microblogs.....	202
<i>Lin Li, Wuhan University of Technology, China</i>	
<i>Huifan Xiao, Wuhan University of Technology, China</i>	
<i>Guandong Xu, University of Technology Sydney, Australia</i>	

Chapter 14	
On Group Extraction and Fusion for Tag-Based Social Recommendation	211
<i>Guandong Xu, University of Technology Sydney, Australia</i>	
<i>Yanhui Gu, University of Tokyo, Japan</i>	
<i>Xun Yi, Victoria University, Australia</i>	
Compilation of References	224
About the Contributors	245
Index.....	252