

Jansen, B. J. and Spink, A. (2005) *An analysis of document viewing patterns of Web search engine users*, in Scime, Anthony, Eds. *Web Mining: Applications and Techniques*, pages pp. 339-354. Idea Publishing Group.

Table Of Contents
Preface

Section I: Introduction

Chapter 1

Metadata Management: A Requirement for Web Warehousing and Knowledge Management
Gil Laware, Purdue University, USA

Chapter 2

Mining for Web Personalization

Penelope Markellou, Research Academic Computer Technology Institute, Greece

Maria Rigou, Research Academic Computer Technology Institute, Greece

Spiros Sirmakessis, Research Academic Computer Technology Institute, Greece

Section II: Content Mining

Chapter 3

Using Context Information to Build a Topic-Specific Crawling System

Fan Wu, National Chung-Cheng University, Taiwan

Ching-Chi Hsu, Yuan-Ze University, Taiwan

Chapter 4

Ontology Learning from a Domain Web Corpus

Roberto Navigli, University of Rome, "La Sapienza," Italy

Chapter 5

MARS: Multiplicative Adaptive Refinement Web Search

Xiannong Meng, Bucknell University, USA

Zhixiang Chen, The University of Texas – Pan American, USA

Chapter 6

Exploiting Captions for Web Data Mining

Neil C. Rowe, U.S. Naval Postgraduate School, USA

Chapter 7

Towards a Danger Theory Inspired Artificial Immune System for Web Mining

Andrew Secker, University of Kent, United Kingdom

Alex A. Freitas, University of Kent, United Kingdom

Jon Timmis, University of Kent, United Kingdom

Chapter 8

XML Semantics

Yasser Kotb, Ain Shams University, Egypt

Katsuhiko Gondow, Tokyo Institute of Technology, Japan

Takuya Katayama, Japan Advanced Institute of Science and Technology, Japan

Chapter 9

Classification on Top of Data Cube

Lixin Fu, University of North Carolina, Greensboro, USA

Section III: Structure Mining

Chapter 10

Data Cleansing and Validation for Multiple Site Link Structure Analysis

Mike Thelwall, University of Wolverhampton, United Kingdom

Chapter 11

Extracting and Customizing Information Using Multi-Agents

Mohamed Salah Hamdi, UAE University, United Arab Emirates

Chapter 12

Web Graph Clustering for Displays and Navigation of Cyberspace

Xiaodi Huang, Swinburne University of Technology, Australia
Wei Lai, Swinburne University of Technology, Australia

Section IV: Usage Mining

Chapter 13

Integrating Semantic Knowledge with Web Usage Mining for Personalization

Honghua Dai, DePaul University, USA

Bamshad Mobasher, DePaul University, USA

Chapter 14

Web Usage Mining in Search Engines

Ricardo Baeza-Yates, Universidad de Chile, Chile

Chapter 15

Efficient Web Mining For Traversal Path Patterns

Zhixiang Chen, The University of Texas – Pan American, USA

Richard H. Fowler, The University of Texas – Pan American, USA

Ada Wai-Chee Fu, The Chinese University of Hong Kong, Hong Kong

Chunyue Wang, The University of Texas – Pan American, USA

Chapter 16

An Analysis of Document Viewing Patterns of Web Search Engine Users

Bernard J. Jansen, The Pennsylvania State University, USA

Amanda Spink, University of Pittsburgh, USA

Chapter 17

A Java Technology Based Distributed Software Architecture for Web Usage Mining

Juan M. Hernansáez-Amor, Campus Universitario de Espinardo, Spain

Juan A. Botía-Blaya, Campus Universitario de Espinardo, Spain

Antonio F.G. Skarmeta, Campus Universitario de Espinardo, Spain

Chapter 18

Web Usage Mining: Algorithms and Results

Yew-Kwong Woon, Nanyang Technological University, Singapore

Wee-Keong Ng, Nanyang Technological University, Singapore

Ee-Peng Lim, Nanyang Technological University, Singapore

Section V: Conclusion

Chapter 19

The Scent of a Newsgroup: Providing Personalized Access to Usenet Sites through Web Mining

Giuseppe Manco, High Performance Computing and Networking Institute, Italy

Riccardo Ortale, University of Calabria, Italy

Andrea Tagarelli, University of Calabria, Italy