

Information Retrieval

Design and Sources

Roslina Othman



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INFORMATION RETRIEVAL: DESIGN AND SOURCES

Editor

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7. THE CURRENT TRENDS AND DEVELOPMENTS IN INFORMATION RETRIEVAL

Zalifah Awang Zakaria and Roslina Othman

Abstract

This chapter demonstrated the current trends and developments in information retrieval (IR) in year 2010 onwards. Information retrieval (IR) is a research area continues to thrive with progress in three complementary sub-fields; IR theory and formal methods, Web IR and evaluation methods and metrics. Besides, this chapter also addressed the significant progress in other areas of IR such as social search engines using personalization and recommendation technologies, natural language processing to IR and multimedia IR.

7.1 Introduction

Information retrieval design has always been for the purpose of solving problems and issues in hand and experimenting design proposals. Regardless, of whether the design is meant for commercial or technological, the current trend and development focused on semantic-based search engines, which open to novelty ideas within the NLP and text mining, web IR, evaluation, multimedia retrieval and user issues.

7.1.1 NLP and Text Mining

Wu and Chen (2011) proposed that the application of natural language processing (NLP) in internet public opinion monitor (IPOM) should be examined. Two main difficulties that IPOM faces were the problem of semantic understanding and the problem of sentiment analysis.