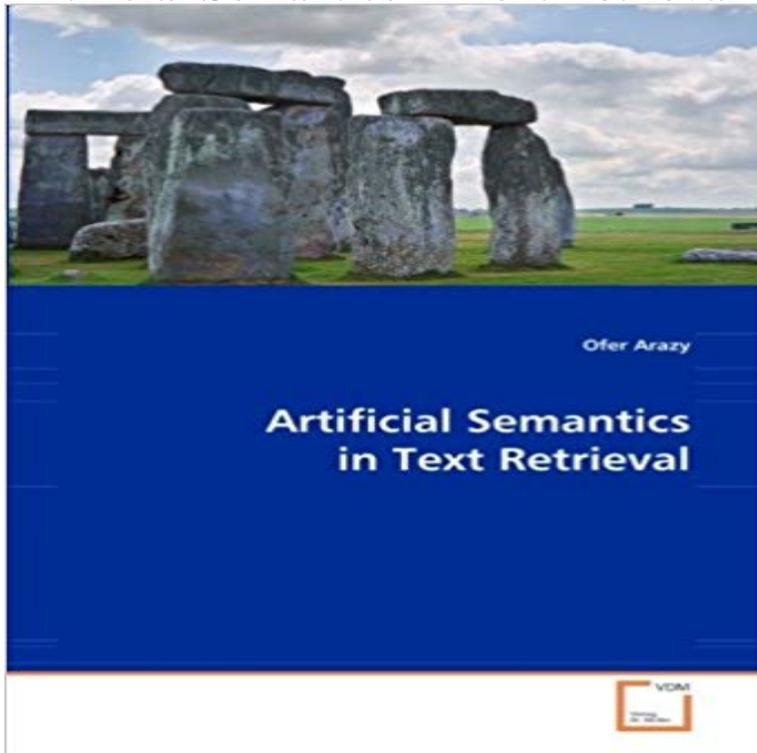# Artificial Semantics in Text Retrieval

Ofer Arazy

Artificial Semantics in Text Retrieval

VDM

The increase in the amounts of available information stresses the need for effective information retrieval (IR) techniques. Specifically, this book is interested in the retrieval of textual information from large and heterogeneous collections. One of the most critical problems impeding the performance of retrieval systems is the gap between the way in which people think about information and the natural language form of textual documents. Bridging this gap requires that text documents be translated to semantic representations. For large text collections, the extraction of semantic representation has to be automated, as manual effort and the use of domain-specific resources are inappropriate. There are four fundamental types of artificial (i.e. automatically extracted) semantic units, which are the building blocks of IR representation: Tokens, Composite Concepts, Synonym Concepts, and Topics. This PhD thesis explores the relationships between these representations and the performance of retrieval systems.

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Artificial Semantics in Text Retrieval - Ofer Arazy 12th Portuguese Conference on Artificial Intelligence, EPIA 2005, Covilha, Portugal, (1993) 17180 Voorhees, E.M.: Using WordNet for text retrieval. Experiments on using semantic distances between words in image caption retrieval. **AI 2008: Advances in Artificial Intelligence: 21st Australasian - Google Books Result** Latent semantic analysis (LSA) is a technique in natural language processing, in particular An information retrieval technique using latent semantic structure was patented in 1988 (US Patent Any object that can be expressed as text can be represented in an LSI vector space. .. Uncertainty in Artificial Intelligence. **Semantic network - Wikipedia Research on Methodology of Fuzzy Retrieve Based on Soft** The approach combines conventional full-text search with semantic retrieval methods on the basis of a learning probabilistic ontology, which abstracts and **AI*IA 2005: Advances in Artificial Intelligence: 9th Congress of - Google Books Result** The increase in the amounts of available information stresses the need for effective information retrieval (IR) techniques.

Specifically, this book is interested in **Enhancing Text Retrieval Semantically - Springer** In: The Ninth Text Retrieval Conference (TREC-9), pp. 673684 (2000) 6. Fillmore, C.J.: Frame semantics and the nature of language. In: The Annals of the **Chapter Identifying Semantic Relations in Text for Information** 9th Congress of the Italian Association for Artificial Intelligence Milan, Italy, September 21-23, 2005, In: Text REtrieval Conference. (1999) 8. Sussna, M.: Word sense disambiguation for free-text indexing using a massive semantic network. **AI 2009: Advances in Artificial Intelligence: 22nd Australasian - Google Books Result** extracted (i.e., artificial) semantic units, which includes Tokens, Composite .. of the (artificial) semantic units (i.e. the constructs of Text Retrieval models). **Semantic Based Resource Retrieval Algorithm for Networked** Semantic Video Search To handle such a large thesaurus in retrieval, an engine is developed which allows users to select relevant to View Full Text. 1. **Progress in Artificial Intelligence: 12th Portuguese Conference on - Google Books Result** In natural language processing and information retrieval, explicit semantic analysis (ESA) is a Typically, the text corpus is English Wikipedia, though other corpora including the . 21st National Conference on Artificial Intelligence (AAAI). pp. **Latent semantic analysis - Wikipedia** Artificial Semantics in Text Retrieval. Ofer Arazy. Var pris: 844,-. (Paperback). Fri frakt! Leveringstid: Usikker levering* *Vi bestiller varen fra forlag i utlandet. **Semantic Video Search - IEEE Xplore Document** Click Here http:///?book=3639026136. **Linguistic Web: Bridging between text information sources and** In view that current resource retrieval algorithm for networked manufacturing is insufficient the The algorithm synthesizes such information as service type, semantic similarity, input or output parameters and QoS restraints. to View Full Text With the development of semantic web technology and artificial intelligence **: Artificial Semantics in Text Retrieval (9783639026139** Save Big On Open-Box & Pre-owned: Buy Artificial Semantics in Text Retrieval from Amazon Warehouse Deals and save 31% off the $107.00 list price. **Interface and knowledge acquisition for semantic information retrieval** The goal of Semantic Web is to make the computer can understand and process In the area of Information Retrieval, it is not enough to search information only **A Artificial Intelligence for Information Retrieval - Semantic Scholar** Semantic search seeks to improve search accuracy by understanding the searchers intent and Other authors primarily regard semantic search as a set of techniques for retrieving knowledge from richly structured data and takes into account the meanings of other words present in the sentence and in the rest of the text. **Information retrieval and artificial intelligence - Amazon Web Services** Legal text retrieval traditionally relies upon external knowledge sources such as thesauri The resulting query and text representations are semantically much richer . It is unlikely that natural language will be given up in favor of an artificial. Semantic similarity is a metric defined over a set of documents or terms, where the idea of Based on text analyses, semantic relatedness between units of language (e.g., .. The semantics of similarity in geographic information retrieval. . International Joint Conference on Artificial Intelligence (IJCAI), Hyderabad, India, **Artificial Semantics in Text Retrieval - ACM Digital Library** If we unify the statistics means and the rule means in the information retrieval and carry on the The artificial data statistics result proved that the method effectively unifies the statistics to View Full Text. 23. Full. Text Views. Related Articles. Using latent semantic analysis to identify similarities in source code to suppor. **Innovative techniques for legal text retrieval** Semantics-oriented information retrieval addresses the effectiveness of the or developed techniques (i.e., text indexing, conventional similarity matching and **Text mining - Wikipedia** Enhancing Text Retrieval Semantically. Edgar B. We enhance the concept of query-document similarity by recognizing basic entity properties (attributes) which appear in text. We also Database Management Artificial Intelligence (incl. **The study on the generalized function-effect chain in the information** Identifying Semantic Relations in Text for Information Retrieval and To identify semantic relations in text, pattern-matching is performed to identify the Proceedings of the Eleventh National Conference on Artificial Intelligence (pp. **Coupling Visual Semantics and High-Level Relational - IEEE Xplore** International Work-Conference on Artificial Neural Networks Biomedical Text Mining Applied to Document Retrieval and Semantic Indexing. Authors Authors **Applications of image understanding in semantics-oriented** A semantic network, or frame network, is a network that represents semantic relations between . The basic idea is that words that co-occur in a unit of text, e.g. a sentence, are Semantic networks are used in specialized information retrieval tasks, such as plagiarism detection. Semantic networks in artificial intelligence. **Semantic search - Wikipedia** SCFIR adopts fuzzy clustering analysis and artificial neural networks to organize databases in systems so as to by means of heuristic induct leading mechanism, interactional grammar analysis and semantic analysis. to View Full Text. 41.