
A Fuzzy Ontology Based Semantic Data Integration System

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Estimating Semantic Similarity for Targeted Marketing ...
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A fuzzy-ontology-oriented case-based reasoning framework ...
Novel Approach of Semantic Annotation by Fuzzy Ontology ...
Fuzzy Ontology and LSTM-Based Text Mining: A ...
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Semantic Data Integration
SystemOntology is represented as a
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computed with fuzzy matching measure. The result of this process may make documents not similar with vector representation become similar. Maximal fuzzy spanning ...Ontology-Based Fuzzy Semantic Clustering - IEEE Conference ...Due to the disambiguate information from image we requires a fuzzy set rule to integrate this information in a created domain ontology. To represent the semantics of visual content a hybrid technique of Bag-of-visual word based image indexing was proposed. The feature used to index the images has to preserve the image semantic signature. Fuzzy Ontology Based Multi-Modal Semantic Information ...Topics: FOMatch, Internet, fuzzy ontology-based semantic matching algorithm, information sources, publish/subscribe

systems, selective relevant information dissemination, fuzzy set theory, information dissemination, middleware, ontologies (artificial intelligence) fomatch: a fuzzy ontology-based semantic matching ...A Fuzzy-Ontology Based Diabetes Monitoring System Using Internet of Things @article{Titi2020AFB, title={A Fuzzy-Ontology Based Diabetes Monitoring System Using Internet of Things}, author={Sondes Titi and H. Elhadj and L. Chaari}, journal={The Impact of Digital Technologies on Public Health in Developed and Developing Countries}, year={2020}, volume={12157}, pages={287 - 295} }Figure 1 from A Fuzzy-Ontology Based Diabetes Monitoring ...We introduce in this paper a novel hybrid similarity estimate based on fuzzy sets that

exploits both word embeddings and a lexical ontology. As ontology we use Odenet, a freely available resource recently developed by the Darmstadt University of Applied Sciences. Estimating Semantic Similarity for Targeted Marketing ... Fuzzy ontologies and fuzzy extensions of DL have shown to be useful in applications from information retrieval and image interpretation to Semantic Web and others. In, a fuzzy keyword ontology serves to annotate and search events in reports by superimposing a fuzzy partition on fuzzy classifications. A fuzzy ontology for semantic modelling and recognition of ... A fuzzy ontology-based semantic knowledge is developed to improve deep learning techniques that extract more accurate aspects or

features from the transportation text. A novel fuzzy ontology and word embedding is used as the source of data to train the Bi-LSTM model for the classification of unstructured text on social media. Fuzzy Ontology and LSTM-Based Text Mining: A ... To overcome these limitations, the proposed system develops a fuzzy ontology-based recommender system using Type-2 fuzzy logic to recommend foods and drugs for chronic (diabetic) patient. Extraction of risk factors for chronic patients is achieved via wearable sensors and IoT-based electronic medical records are linked with linked open data (LOD) to create a knowledge base. Fuzzy ontology-based personalized recommendation for ... Each ontology is evaluated within a known fuzzy semantic

similarity measure and experiments are conducted using human participants and two benchmark fuzzy word datasets. Correlations with human similarity ratings show only one ontological structure was naturally representative of human perceptions of fuzzy words. Keywords—Fuzzy Ontology; Semantic Similarity Measures; Fuzzy Words I. Fuzzy Ontologies in Semantic Similarity Measures The Resource Description Framework (RDF) is a family of World Wide Web Consortium (W3C) specifications originally designed as a metadata data model. It has come to be used as a general method for conceptual description or modeling of information that is implemented in web resources, using a variety of syntax notations and data serialization formats. It is also used

in knowledge management ... Resource Description Framework - Wikipedia Ontology-based representation and reasoning about precise and imprecise temporal data: A fuzzy-based view ... where P_C is a finite set of crisp properties, P_F is a finite set of fuzzy properties and H is a finite set of semantic relations. A fuzzy property is a property which can be represented in the form of a fuzzy linguistic variable. Thus ... Ontology-based representation and reasoning about precise ... A fuzzy ontology-based semantic knowledge is developed to improve deep learning techniques that extract more accurate aspects or features from the transportation text. A novel fuzzy ontology and ... Fuzzy Ontology and LSTM-Based Text Mining: A ... It explicitly

defines the semantics of diabetes knowledge by using ontology and deal with the imprecise and vague nature of its data by using fuzzy set theory. It involves building a complete linguistic fuzzy rule-base that can integrate knowledge from expert and CPG with knowledge extracted from training data and knowledge extracted from the semantic model. Inderscience Publishers - linking academia, business and ...annotation methods. Novel algorithm of semantic annotation based on fuzzy ontology for domain Webpage is presented in the paper by comparing ontology data of extractive webpage. Finally, experiments show that this presented algorithm is better than the traditional method in semantic annotation rate of support and

recall. Novel Approach of Semantic Annotation by Fuzzy Ontology ...Ontology based fuzzy video data semantic model which uses spatial and temporal relations in event and concept definition is proposed. Extracted objects from consecutive representative frames are processed to extract temporal relations. Additional rules to lower spatial relation computation cost and to define Fuzzy Ontology and Rule based Model for Automatic Semantic ...In this paper, a system is evolved that uses latent semantic analysis (LSA) and fuzzy ontology to evaluate essays, where LSA will be responsible for checking the semantic. Fuzzy ontology is used to check the consistency and coherence of the essay as it is the best way to overcome the vagueness of the

language, and the system will also provide a score with feedback to the student. Automated Essay Evaluation Based on Fusion of Fuzzy ... This article shows how a fuzzy ontology-based approach can improve semantic documents retrieval. After formally defining a fuzzy ontology and a fuzzy knowledge base, a special type of new fuzzy relat...

Ontology is represented as a graph-based model that reflects semantic relationship between concepts, with which a semantic similarity matrix of concepts that exploits semantic relation of the ontology is defined. Based on conceptual matrix a document can be represented to a semantic fuzzy set. Then similarity between documents is computed with fuzzy matching measure.

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Novel Approach of Semantic Annotation by Fuzzy Ontology ...

A fuzzy ontology may be informally defined as an ontology that expresses vague knowledge using a fuzzy set (fuzzy concept) namely degree-vagueness and fuzzy relation and properties namely combinatory-vagueness. Because a crisp ontology is a special case of a fuzzy ontology, in which all relation and property degrees are equal to 1, fuzzy ontology-based CBR retains the characteristics of the traditional ontology-based CBR paradigm.

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