

A Fuzzy Ontology Based Semantic Data Integration System

Fuzzy Logic and the Semantic Web Fuzzy Knowledge Management for the Semantic Web The Impact of Digital Technologies on Public Health in Developed and Developing Countries Affective Computing and Intelligent Interaction Soft Computing in Ontologies and Semantic Web Foundations of Fuzzy Logic and Semantic Web Languages (Open Access) Proceedings of National Conference on Recent Developments in Computing and Its Applications, August 12-13, 2009 Semantic and Fuzzy Modelling for Human Behaviour Recognition in Smart Spaces U-Healthcare Monitoring Systems Fuzzy Logic-Based Modeling in Collaborative and Blended Learning Intelligent Information Processing IV Information Computing and Applications, Part II Neural Information Processing Exploring Intelligent Decision Support Systems Reasoning Web. Web Logic Rules Semantic Technology Sentiment Analysis and Ontology Engineering On the Power of Fuzzy Markup Language Creativity in Intelligent Technologies and Data Science New Trends in Databases and Information Systems

Natural Language Search with Knowledge Graphs - Trey Grainger, Lucidworks ~~Lecture 11 - Semantic Parsing | Stanford CS224U: Natural Language Understanding | Spring 2019~~ ~~What is an Ontology Final Year Projects | Domain Ontology based Semantic Search Final Year Projects | Automatic Semantic Content Extraction in Videos Using a Fuzzy Ontology Final Year Projects | Automatic Semantic Content Extraction in Videos Using a Fuzzy Introduction to Basic Formal Ontology (September 2019)~~ ~~Tools for Semantic Integration~~ URSW 2010 - SWRL-F: A Fuzzy Logic Extension of the Semantic Web Rule Language ~~Ontology - u0026 Semantic Web: Cui Tao~~ URSW 2010 - PrOntoLearn: Unsupervised Lexico-Semantic Ontology Generation using Prob. Methods Implementation of Automatic Semantic Content Extraction in Videos What is Ontology? An Introduction to the Semantic Web ~~A simple tutorial on OWL Ontologies using Protege - Part 1~~ ~~Ontology, Epistemology, and Methodology - Research Methodology Course (Self Study) - Session 2~~ ~~What is ontology? Introduction to the word and the concept~~ Ontology for Systems Engineering (Short Version) ~~RDFa Basics A Simple Protege Tutorial 2: Creating the Ontology Classes~~ ~~Protege: How To Create Classes And Properties~~

How to Build a Semantic Search System - Trey Grainger, Lucidworks

2013 IEEE Automatic Semantic Content Extraction in Videos Using a Fuzzy Ontology and Rule Based Modtype 2 fuzzy ontology and multi-agent system.mp4 ~~Automatic extraction and management of semantics within point cloud data~~

Automatic Semantic Content Extraction in Videos Using a Fuzzy Ontology.avi ~~Ontology based integration and analysis of phenotypes~~ Prof. Dana Scott - Geometry Without Points Webinar: Simpler Semantic Search with Solr ~~Spatial and Ontological Dimension of Conway's Law~~ ~~David West~~ ~~DDD Europe 2019~~ A Fuzzy Ontology Based Semantic

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.

A fuzzy-ontology-oriented case-based reasoning framework ...

A Fuzzy Ontology-Based Semantic Data Integration System Article (PDF Available) in Journal of Information & Knowledge Management 10(03) · April 2012 with 31 Reads How we measure 'reads'

(PDF) A Fuzzy Ontology-Based Semantic Data Integration System

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. 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...