

Fuzzy Database Modeling Of Imprecise And Uncertain Engineering Information Studies In Fuzziness And Soft Computing

Fuzzy Modeling of Imprecise Material Parameters in the ... On Application Oriented Fuzzy Numbers for Imprecise ... Fuzzy data modeling and algebraic operations in RDF ... Fuzzy database modeling of imprecise and uncertain ... Learning from imprecise and fuzzy observations: Data ... A Probabilistic Relational Database Model with Fuzzy ... Fuzzy Database Modeling of Imprecise and Uncertain ... A Literature Overview of Fuzzy Database Models Home Page :: Journal of Fuzzy Logic and Modeling in ... Imprecise Knowledge and Fuzzy Modeling in Materials Domain ... Fuzzy Database Modeling of Imprecise and Uncertain ... Fuzzy XML Data Models | SpringerLink Fuzzy Database Modeling of Imprecise and Uncertain ... Fuzzy Database Modeling of Imprecise and Uncertain ... Learning from Imprecise and Fuzzy Observations: Data ... Fuzzy Database Modeling Of Imprecise And Uncertain ...

Fuzzy Database Modeling Of Imprecise Fuzzy Database Modeling: Computer Science & IT Book ... Ridge Fuzzy Regression Modelling for Solving Multicollinearity Fuzzy database modeling of imprecise and uncertain ...

Fuzzy Modeling of Imprecise Material Parameters in the ...

The purpose of the Journal of Fuzzy Logic and Modeling in Engineering is to publish recent advancements in the theory of fuzzy sets and disseminate the results of these advancements. ... Possibility Theory and Imprecise Probability Fuzzy Database ... Fuzzy Systems with Big Data and Cloud Computing, ...

On Application Oriented Fuzzy Numbers for Imprecise ...

Abstract. Information is often imprecise and uncertain in many real-world applications, and thus fuzzy data modeling has been extensively investigated in various database models as introduced in Chap. 2. Currently, huge amounts of electronic data are available on the Internet, and XML has been the de facto standard of information representation and exchange over the Web.

Fuzzy data modeling and algebraic operations in RDF ...

1. Introduction. The learning of models from imprecise data, such as interval data or, more generally, data modeled in terms of fuzzy subsets of an underlying reference space, has gained increasing interest in recent years indeed, while problems such as fuzzy regression analysis have already been studied for a long time, the scope is currently broadening, both in terms of ...

Fuzzy database modeling of imprecise and uncertain ...

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Learning from imprecise and fuzzy observations: Data ...

learning of models that produce fuzzy sets as predictions, that is to say, models that reproduce the observed data. As opposed to this, a reproduction of the data appears less reasonable under the epistemic view, where fuzzy sets are used to describe, not the data itself, but the uncertain or imprecise knowledge about the data: A fuzzy

A Probabilistic Relational Database Model with Fuzzy ...

{1} | F. Baldwin and S. Q. Zhou, A fuzzy relational inference language, Fuzzy Sets and Systems 14 (1984), 155-174. Google Scholar {2} | P. Bosc and O. Pivot, SQLf: a relational database language for fuzzy querying, IEEE Transactions on Fuzzy Systems 3 (1995), 1-17. Google Scholar Digital Library {3} | B. P. Buckles and F. E. Petry, A fuzzy representation of data for relational databases, Fuzzy ...

Fuzzy Database Modeling of Imprecise and Uncertain ...

topics include fuzzy conceptual data modeling of engineering information, conversion of the fuzzy conceptual models, and database implementation of the fuzzy conceptual data models. Some major data and database models for engineering information modeling are investigated. The main novel aspect of this book is that the book focuses on imprecise ...

A Literature Overview of Fuzzy Database Models

Since the financial data are imprecise, we can adapt robo-advisers using fuzzy logic [17,18] to financial practice. To the best of my knowledge, no financial robo-advisers using OFNs have been described so far. To deal with information imprecision, researches develop portfolio selection models with fuzzy theory [19-40].

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area. Various fuzzy database models (e.g., relational and object-oriented databases) have been proposed, and some major issues related to these models have been investigated. There have been a lot of fuzzy database papers published. But ones only find few comprehensive review papers of fuzzy database modeling [70, 35]. It has been nearly 10

Imprecise Knowledge and Fuzzy Modeling in Materials Domain ...

Engineering information is often uncertain, deviated, imperfect, erroneous, imprecise, etc. Fuzzy methods, based on possibility theory are well suited for describing epistemic uncertainty. Included in epistemic uncertainty are data sets where only few samples are available and are appropriately modeled with fuzzy methods.

Fuzzy Database Modeling of Imprecise and Uncertain ...

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data when data are selected from the population with uncertain, fuzzy, and imprecise observations [9]. In 1982, Tanaka et al. [10] proposed the fuzzy linear regression model which generalizes the usual linear regression model to fuzzy data. Fuzzy regression models have been since then widely used to analyze fuzzy data [11-16].

Fuzzy Database Modeling of Imprecise and Uncertain ...

Some major data and database models for engineering information modeling are investigated. The main novel aspect of this book is that the book focuses on imprecise and uncertain industrial information modeling viewed from databases and fuzzy database technologies viewed from industrial applications.

Fuzzy Database Modeling of Imprecise and Uncertain ...

Since the early 1980s, Zadeh's fuzzy logic (Zadeh, 1965) has been used to extend various data models. The purpose of introducing fuzzy logic in database modeling was to enhance the classical models such that uncertain and imprecise information can be represented and manipulated.

Learning from Imprecise and Fuzzy Observations: Data ...

ISBN: 3540306757 9783540306757: OCLC Number: 65207745: Description: xv, 210 pages : illustrations ; 24 cm: Contents: Engineering information modeling in databases --Information imprecision and uncertainty in engineering --Fuzzy sets and possibility distributions --The fuzzy ER/EER and UML data models --The fuzzy IDEFIX models --The fuzzy EXPRESS model --The fuzzy logical databases --Conceptual ...

Fuzzy Database Modeling Of Imprecise And Uncertain ...

Get this from a library! Fuzzy database modeling of imprecise and uncertain engineering information. [Zongmin Ma] -- This book presents recent advances for imprecise and uncertain engineering information from the point of view of fuzzy database modeling. The topics include fuzzy conceptual data modeling of ...

Fuzzy Database Modeling Of Imprecise

This book presents recent advances for imprecise and uncertain engineering information from the point of view of fuzzy database modeling. The topics include fuzzy conceptual data modeling of engineering information, conversion of the fuzzy conceptual models, and database implementation of the fuzzy conceptual data models.

Fuzzy Database Modeling: Computer Science & IT Book ...

Unfortunately, despite fuzzy values have been employed to model and handle imprecise information in database since Zadeh introduced the theory of fuzzy sets , relatively little work has been carried out in extending RDF towards the representation of imprecise and uncertain concepts.

Ridge Fuzzy Regression Modelling for Solving Multicollinearity

A Probabilistic Relational Database Model with Fuzzy Attribute Values Abstract: Although there have been many probabilistic or fuzzy relational database models proposed for representing and handling uncertain or imprecise information of objects in real-world applications, models combining the relevance and strength of both probability theory and fuzzy set theory appear sporadic.

Fuzzy database modeling of imprecise and uncertain ...

Imprecise Knowledge and Fuzzy Modeling in Materials Domain: 10.4018/978-1-5225-1908-9.ch007: This chapter highlights the usage of imprecise knowledge of materials systems using fuzzy inference systems. Experts have knowledge of complex materials

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