Abstract

The fuzzy relational databases which use the special types of constraints, called dependencies, as a semantic tool for expressing properties of the data like a classical relational databases. Fuzzy functional dependencies(ffd) and fuzzy multivalued dependencies(fmvd) are the most common types of dependencies. Similar to classical relational database, a full utilization of fuzzy multivalued dependencies in the design of fuzzy relational databases requires that fuzzy embedded multivalued dependencies(fEmvd) and fuzzy subset dependencies(fsd). These multivalued dependencies hold in a projection of a relation but not necessarily in the relation itself. The main object of this paper is to extend the concept of Embedded Multivalued Dependency (EMVD) and Subset Dependency (SD) to fuzzy relational database.
Reference

Key words

Fuzzy relational databases
Fuzzy functional dependencies
Fuzzy embedded multivalued dependencies
Fuzzy multivalued dependencies
Fuzzy subset dependencies