Abstract

Data cleansing is a process that deals with identification of corrupt and duplicate data inherent in the data sets of a data warehouse to enhance the quality of data. This paper aims to facilitate the data cleaning process by addressing the problem of duplicate records detection pertaining to the ‘name’ attributes of the data sets. It provides a sequence of algorithms through a novel
framework for identifying duplicity in the ‘name’ attribute of the data sets of an already existing data warehouse. The key features of the research includes its proposal of a novel framework through a well defined sequence of algorithms and refining the application of alliance rules [1] by incorporating the use of previously existing and well defined similarity computation measures. The results depicted show the feasibility and validity of the suggested method.

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Index Terms

Computer Science

Information Science

Key words

Data warehouse  data cleansing  fuzzy logic  data mining