New Approach to Reduce the Data Loss in Privacy Preserving Data Analysis

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Authors:
Kirti B. Sable, B. M. Patil

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Abstract

Recent advances in information and communication technologies shows that privacy is one of the important concept regarding the data sharing, maintaining the data confidentiality and data loss issues. This paper mainly focus on data loss issues and overcome some of the problems exist in pervious system of privacy preserving such as role base accessibility, high time complexity and privacy breaching issue. This uses different techniques such as slicing which is combined with C constraint. This will reduce the data loss and provide more privacy to the data. Here considered a health care system as a framework. SQL injection and Aho-Chorasick algorithm is used for database security.

References


**Index Terms**

Computer Science Information Sciences

**Keywords**

Privacy, L-diversity, slicing, attacker, k-anonymity, C-constraint