Abstract

Recently, it is observed that data mining technique may come across two problems- potential discrimination and potential privacy violation. Discrimination occurs as a result of use of discriminatory datasets for data mining tasks. Privacy violation occurs if a person’s sensitive information is displayed to an unauthorized entity as a result of data mining tasks. Use of privacy preserving techniques to make data privacy protected can affect the amount of discrimination caused. It is important to study the relation of privacy and discrimination in the context of data mining. In this paper, we are trying to propose a method in which privacy preserving technique can be used to prevent discrimination and we can make the original data both privacy protected and discrimination-free.
Discrimination Prevention using Privacy Preserving Techniques


Index Terms

Computer Science
Security

Keywords
Discrimination discovery discrimination prevention privacy preserving techniques