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.

References

- D. Pedreschi, S. Ruggieri, and F. Turini, "Discrimination-Aware Data Mining," Proc. 14th ACM Int'l Conf. Knowledge Discovery and Data Mining (KDD
Discrimination Prevention using Privacy Preserving Techniques


Discrimination Prevention using Privacy Preserving Techniques


Index Terms

Computer Science

Security

Keywords

Discrimination discovery  discrimination prevention  privacy preserving techniques