Survey on Privacy Preserving Data Mining Techniques using Recent Algorithms

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 133
Number 7

Year of Publication: 2016

Authors:
Rajesh N., Sujatha K., A. Arul Lawrence Selvakumar

10.5120/ijca2016907917

Abstract

The privacy preserving data mining is playing crucial role act as rising technology to perform various data mining operations on private data and to pass on data in a secured way to protect sensitive data. Many types of technique such as randomization, secured sum algorithms and k-anonymity have been suggested in order to execute privacy preserving data mining. In this survey paper, on current researches made on privacy preserving data mining technique with fuzzy logic, neural network learning, secured sum and various encryption algorithm is presented. This will enable to grasp the various challenges faced in privacy preserving data mining and also help us to find best suitable technique for various data environment.

References


Communication Technology (ICCCT), pp: 26 – 32.
17. Mi Wen, Rongxing Lu ; Jingshen Lei ; Xiaohui Liang , 2013, ECQ: An Efficient Conjunctive Query scheme over encrypted multidimensional data in smart grid, Global Communications Conference (GLOBECOM), 2013 IEEE, 796 – 801.


Index Terms

Computer Science Algorithms

Keywords

Privacy Preserving Data Mining (PPDM), Privacy Preserving Data Publishing (PPDP), Secure Multiparty Computation (SMC), Cryptographic & Secured Sum Computation Algorithms.