Abstract

The motivation of Privacy Preserving Data Mining (PPDM) is to obtain valid data mining results without access to the original sensitive information. The different privacy preserving technique on Perturbation based PPDM approach introduces random perturbation to individual values to preserve privacy before data are published. This proposed work is based on perturbation based privacy preserving data mining. Here random perturbation approach is applied to provide privacy on the data set. Previously privacy is limited to single level trust in providing privacy to the data but now it is enhanced to multi level trust. The problem with existing multi level trust PPDM algorithms is that they fail to protect from non linear attacks. Considering that this proposed work make uses enhanced batch generation to provide privacy in the multi level trust in which data will perturb multiple times so that it can avoid non linear attacks.

References

Enhanced Batch Generation based Multilevel Trust Privacy Preserving in Data Mining


Index Terms

Computer Science

Data Mining

Keywords

Privacy Preserving Data Mining Multi Level Trust Batch generation based perturbation