

DATA DE-IDENTIFICATION TOOL FOR PRIVACY PRESERVING DATA MINING

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ABSTRACT

Protection of privacy of user is the major important task of data publisher, due to advances in searching methods increases risk of privacy disclosure. One of the method use for protecting the privacy of user is to apply anonymization algorithms. But many algorithms used for the data de-identification are not efficient because resulted dataset can easily linked with the public database and it reveals the users identity. Therefore, this paper represents a tool which will use suppression based k-anonymization method to allow data publisher to de-identify datasets. In this method only certain attributes from record are suppressed based on other attributes. This tool can also provide privacy and accuracy measures to data publishers.

KEYWORDS: Privacy Preservation, Data Mining, Data De-Identification, PPDM, k-Anonymization, Suppression