OCCT: A One-Class Clustering Tree for Implementing One-to-Many and Many-to-Many Data Linkage

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

Volume 137

Number 3

Year of Publication: 2016

Authors:
Manali Pare Guha, Anju Singh, Divaker Singh

10.5120/ijca2016908522

Abstract

One to many & many to many data linkage are necessary in data mining. OCCT Implementation for one to many & Many to many Data Linkage is to identify different entities across different Data sources. Data Linkage is linking data between two different database. One to many data linkage is associated an entity from first data set with a group matching from the other data set. In many to Many Data Linkage method the entities of same type and different nature should be arrange with Map Reduce method. In the OCCT was evaluated after using data sets from three different domains: recommender system, data leakage prevention and fraud detection. data leakage prevention domain, the goal is to detect abnormal access. Recommender system, the method is used for matching new users of the system with the items. In fraud detection legitimate transactions performed by users.

References

OCCT: A One –Class Clustering Tree for Implementing One – to- Many and Many – to- Many Data Linkage


2. Dr. Anju Singh, Dr. Divakar Singh, Gopal Patidar " Document Clustering approach using Hebbian-type Neural Network and Agglomerative Clustering " vol. 75, issue 9, 2013.


8. Dr. Divakar Singh” Intrusion Detection based System on Probabilistic Neural Network and Fuzzy C Means Clustering , D Singh – 2013 vol. 74, issue 2, pp. 30-33


**Index Terms**

Computer Science Information Systems

**Keywords**

Clustering, classification, data matching, decision tree induction keywords, Map Reduce, Data Linkage Matching