Abstract

Besides classification, clustering, and assosiation rule, another data mining paradigm is anomaly or outlier detection. Anomaly detection is a searching method for an object that exist within small data scope and has some differences with other datas representation in a certain size. As we know, there are so many methods or approaches for anomaly detection, but these methods can not be applied for data that consist of continuous and categorical attributes as well. Whereas, almost all of the real data in the world were made by a combination between continuous and categorical data attributes.
LOADED (Link-based Outlier and Anomaly Detection in Evolving Data-sets) algorithm is created to resolve the problem by dealing with the type of data attributes that combined with continuous and categorical attributes. In addition, this algorithm can also dealing with any changes or updates into the data form by the number of data attribute, records, or data contents with the same scheme.

Keywords : *Anomaly detection, outlier, LOADED, attribute*