



One-to-Many Linkage query using Two Way Adaptive Clustering algorithm

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Abstract: De-duplicating one data set or linking several data sets are increasingly important tasks in the data preparation steps of many data mining process. Record linkage is traditionally performed among tables to cluster the data. Old methods are taken long time for one-to-many linkage. Two Way Adaptive clustering algorithm (TWACA) is a new proposed technique, which has a small memory footprint, allowing many such operators to be active in parallel. TWACA is optimized to produce initial results quickly and can hide intermittent delays in data arrival by reactively scheduling background processing. We show that TWACA is an effective solution for providing fast query responses to users even in the presence of slow remote sources. Optimized One-to-Many queryclustering operation and execution is the main aim of this project. The first work of this project is projection. Required column only filtered from various data base. Then, three phases of TWACA named Arriving, Reactive, and Cleanup derived for result rate maximization.

Keywords: Data set, data linkage, clustering, two way adaptive clustering algorithm

