

International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology

ISSN 2320-088X



IJCSMC, Vol. 2, Issue. 11, November 2013, pg.123 – 128

RESEARCH ARTICLE

A Study on Association Rule Mining Using ACO Algorithm for Generating Optimized ResultSet

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Abstract - The Knowledge Discovery in Databases (KDD) field of data mining is concerned with the development of methods, techniques and algorithm which can make sense of the available data. Knowledge Discovery in Database is useful in finding trends, patterns and anomalies in the databases which is helpful to make accurate decisions for the future. Association rule mining finds collections of data attributes that are statistically related to the data available. In this paper, Ant Colony Optimization (ACO) improved association mining is suggested to perform the association mining on medical data set. During the rule generation, the global pruning will be used to eliminate the rules as well as attributes that are not effective. The work is about to generate the optimized and accurate resultset so that different decisions regarding the disease classification can be done.

Keywords - Association Rule Mining; Ant Colony Optimization; Dataset and Attribute Filtration

Full Text: <http://www.ijcsmc.com/docs/papers/November2013/V2I11201347.pdf>