

Multidirectional Product Support System for Decision Making in Textile Industry Using Collaborative Filtering Methods

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Abstract : In the information technology ground, people are using various tools and software for their official use and personal reasons. Nowadays, people are worrying to choose data accessing and extraction tools at the time of buying and selling their products. In addition, worry about various quality factors such as price, durability, color, size, and availability of the product. The main purpose of the research study is to find solutions to these unsolved existing problems. The proposed algorithm is a Multidirectional Rank Prediction (MDRP) decision making algorithm in order to take an effective strategic decision at all the levels of data extraction, uses a real time textile dataset and analyzes the results. Finally, the results are obtained and compared with the existing measurement methods such as PCC, SLCF, and VSS. The result accuracy is higher than the existing rank prediction methods.

Keywords : Knowledge Discovery in Database (KDD), Multidirectional Rank Prediction (MDRP), Pearson's Correlation Coefficient (PCC), VSS (Vector Space Similarity)

Conference Title : ICECECE 2014 : International Conference on Electrical, Computer, Electronics and Communication Engineering

Conference Location : Penang, Malaysia

Conference Dates : December 16-17, 2014