Mining high utility itemsets from vertical distributed databases

Vo B., Nguyen H., Le B.
Faculty of Information Technology, Ho Chi Minh City University of Technology, Ho Chi Minh, Viet Nam; Faculty of Information Technology, Saigon University, Ho Chi Minh, Viet Nam; Faculty of Information Technology, University of Science, Ho Chi Minh, Viet Nam

Abstract: The utility based on itemsets mining approach has been discussed widely in recent years. There are many algorithms mining high utility itemsets (HUIs) by pruning candidates based on the estimated utility values, and based on the transactionweighted utilization values. These algorithms aim to reduce search space. In this paper, we propose a method for HUIs from vertical distributed databases. This method does not integrate local databases in SlaverSites to MasterSite, and scan local database one time. Experiments show the run-time of this method is more efficient than that in the concentration database. © 2009 IEEE.

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Correspondence Address: Vo, B.; Faculty of Information Technology, Ho Chi Minh City University of Technology, Ho Chi Minh, Viet Nam; email: vdbay@hcmhutech.edu.vn

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Authors with affiliations:
1. Vo, B., Faculty of Information Technology, Ho Chi Minh City University of Technology, Ho Chi Minh, Viet Nam
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