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DATA MINING FOR ASSOCIATION RULES AND SEQUENTIAL PATTERNS WITHIN DATA OF INHOMOGENEOUS TYPE

Abstract

The invention relates to a computerized method for data mining for association rules and/or sequential patterns of a multitude of records. The invention is applicable to records comprising a transaction-identification and at least one transaction-item with a corresponding item-type wherein said multitude of records comprise transaction-items of different item-types. The proposed method further comprises a preprocessing-step for transforming each record into one or more transaction-records of transaction-format. According to said transaction format for each transaction-item in said record a transaction-record is generated and said transaction-record comprises at least the transaction-identification of said record and an encoded transaction-item encoding said transaction-item and its corresponding item-type into one value. Finally said method comprises a mining-step wherein a state of the art data-mining techniques is applied to said transaction-records for data mining for association rules and/or sequential patterns.

Fig 4

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