



TECHNOLOGY

Optimal Data Diagnosis Algorithms

OVERVIEW

This invention relates to a technique for computing optimal diagnosis for inference problems associated with various applications such as fault diagnosis of manufacturing lines for any product, analyzing credit risks for banks, mortgage and credit card companies, analyzing potential insurance fraud, analyzing bank accounts for illicit activities such as money laundering, illegal international transfers etc.

In its simplest form the invention relates to a technique for efficiently separating desired conditions from undesired conditions in relational databases associated with applications in many areas of human activity.

The technique for optimal association rules mining is applicable to both numeric and non-numeric attributes, and can involve mining not just one rule at a time, but mining a set for N rules for some number N.

For more information contact the Office of Technology Commercialization at the University of Maryland College Park. Phone: 301-405-3947 E-mail: otc@umd.edu

CONTACT INFO

UM Ventures
0134 Lee Building
7809 Regents Drive
College Park, MD 20742
Email: umdtechtransfer@umd.edu
Phone: (301) 405-3947 | Fax: (301) 314-9502

Additional Information

INSTITUTION

University of Maryland, College Park

PATENT STATUS

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CATEGORIES

- Information Technology

EXTERNAL RESOURCES

- [US Patent 7,474,987](#)

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