



WIZRULE[®]

Data Auditing based on data mining technology

No need to predetermine the rules. *WizRule* reveals them automatically.

WizRule displays the contents of the deviated case. The field having an unexpected value is marked by a red X.

The deviated cases can be limited to a certain field you wish to check.

WizRule - [WizRu1: 4 - Deviation Report]

File Edit View Settings Window Help

WizRu1

- Main Window
- Rule Report
- Spelling Report
- Deviation Repc

Contents of Record:

Field	Value
ORDERID	10627.000000
CUSTOMERID	SAVEA
EMPLOYEEID	8.000000
ORDERDATE	Mon, Sep 11, 1995
SHIPVIA	3.000000
FREIGHT	107.46
SHIPNAME	Save-a-lot Markets
SHIPADDRESS	187 Suffolk Ln.
SHIPCITY	Boise
SHIPREGION	SP
SHIPPOSTAL	83720
SHIPCOUNTRY	USA
PRODUCTID	73.000000
UNITPRICE	15
QUANTITY	35.000000
DISCOUNT	15.000000

Index by ...

- Level of Unlikelihood: 0.995
- Field: SHIPREGION
- Record: 380

Level of Unlikelihood

1

0.5

Dev # 6

Rules explaining how the case deviates from the norm

1) *if* CUSTOMERID is SAVEA
Then
 SHIPREGION is ID
 Rule's probability: 0.968
 The rule exists in 30 records.
 Significance Level: Error probability is almost 0
 Deviations (records' serial numbers):
 380

2) *if* SHIPNAME is Save-a-lot Markets
Then
 SHIPREGION is ID
 Rule's probability: 0.968
 The rule exists in 30 records.

NUM 3:1

15:05

WizRule presents the rules explaining how the case deviates from the norm. Rules can be if-then statements, mathematical formulas or spelling regularities.

WizRule calculates the level of unlikelihood of each deviation. The higher the level of unlikelihood the lower the probability that the case is a false alarm.

WizRule compares the level of unlikelihood of the case under consideration with the other deviated cases.

WizRule Automatically reveals the rules in the data you analyze, and points out the cases that deviate from the discovered rules as the cases to be audited. In this screen *WizRule* displays one such case. The contents of the deviated record are displayed in the central pane, where the field having an unexpected value is marked by a red X. This value deviates from the rules displayed on the right.