





























• use database database_name,

or use data warehouse data_warehouse_name

• *from relation*(s)/cube(s) [*where* condition]

Principles of Knowledge Discovery in Databa

- *in relevance* to att_or_dim_list
- order by order_list
- group by grouping_list

having condition

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Putting It All Together: the Full Specification of a DMQL Query use database OurVideoStore_db

use hierarchy location_hierarchy for B.address mine characteristics as customerRenting analyze count% in relevance to C.age, I.type, I.place_made from customer C, item I, rentals R, items_rent S, works_at W, branch where I.item_ID = S.item_ID and S.trans_ID = R.trans_ID and R.cust_ID = C.cust_ID and R.method_paid = ``Visa'' and R.empt_ID = W.empl_ID and W.branch_ID a.branch_ID and B.address = ``Alberta'' and I.price >= 100 with noise threshold = 0.05 display as table

Designing Graphical User Interfaces Based on a Data Mining Query Language

Data collection and data mining query composition

Principles of Knowledge Disc

- Presentation of discovered patterns
- * Hierarchy specification and manipulation
- Manipulation of data mining primitives
- * Interactive multi-level mining

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♦ Other miscellaneous information

Summary: Five Primitives for Specifying a Data Mining Task task-relevant data database/date warehouse, relation/cube, selection criteria, relevant dimension, data grouping · kind of knowledge to be mined - characterization, discrimination, association ... · background knowledge concept hierarchies,. interestingness measures simplicity, certainty, utility, novelty knowledge presentation and visualization techniques to be used for displaying the discovered patterns - rules, table, reports, chart, graph, decision trees, cubes ... drill-down, roll-up,. © Dr. Osmar R. Zaïane, 1999 Principles of Knowledge Discovery in Databa rsity of Alberta 🍙 2*