

Data Warehouse/Data Mining

Chapter 6:

Er. Nawaraj Bhandari



Data mining query language(DMQL)

- It was proposed by Han, Fu, Wang, et al. for the DBMiner data mining system. The Data Mining Query Language is actually based on the Structured Query Language (SQL).
- Data Mining Query Languages can be designed to support ad hoc and interactive data mining. This DMQL provides commands for specifying primitives.
- The DMQL can work with databases and data warehouses as well. DMQL can be used to define data mining tasks. Particularly we examine how to define data warehouses and data marts in DMQL.

DMQL Syntax

- use database database_name
- or
- use data warehouse data_warehouse_name
- in relevance to att_or_dim_list
- from relation(s)/cube(s) [where condition]
- order by order_list
- group by grouping_list
- Example
- Use database ABCCompany_db
- In relevance to I.name,I.price, C.income, C.age
- From customer C, item I, purchases P, items_sold S
- Where I.item_ID=S. item.ID and S.trans_ID =P.trans_ID and P .custJD=C.cust_ID and C. country =
"Sri Lanka" Group by p.data

References

1. Sam Anahory, Dennis Murray, “Data warehousing In the Real World”, Pearson Education.
2. Kimball, R. “The Data Warehouse Toolkit”, Wiley, 1996.
3. Teorey, T. J., “*Database Modeling and Design: The Entity-Relationship Approach*”, Morgan Kaufmann Publishers, Inc., 1990.
4. “An Overview of Data Warehousing and OLAP Technology”, S. Chaudhuri, Microsoft Research
5. “Data Warehousing with Oracle”, M. A. Shahzad
6. “Data Mining Concepts and Techniques”, Morgan Kaufmann J. Han, M Kamber Second Edition ISBN : 978-1-55860-901-3



ANY QUESTIONS?