Dimensional Modeling and OLAP

Chaudhuri and Dayal paper, "A Dimensional Modeling Manifesto" by R. Kimbal





























Dimensional Modeling

- Design technique used for data warehouses
- Maps multidimensional view to relations
- A dimensional model composed of – fact table
 - set of dimension tables
- A dimensional model corresponds to one business process CISC 432832
 Dimensional Modeling

Dimensional Modeling (cont.)

Advantages:

- predictable, standard framework

Dimensional Modeling

- flexible and easily modified
- fits business view of the data
- supports aggregation

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