




# *Data Warehousing/Mining*

*Comp 150*

*Data Warehousing Design  
(not in book)*

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# *Warehouse Design*

- ❖ **What to materialize in the warehouse**
  - Which source data?
  - Which summary tables?
  - Which indices?
- ❖ **Influenced by both querying and maintenance**
- ❖ **Trade storage space and update time for query speed**



# *Designing a Data Warehouse*

- ❖ Data models designed to support DW require optimization strategies for DSS
- ❖ Design option
  - Relational model in DW - ROLAP Servers for analysis
  - Special-purpose multi-dimensional data model in DW (MDDDB) - MOLAP Servers for analysis