



Data Warehousing

COMP23111 – Database Systems

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What is Data Warehousing?

A collection of information as well as a supporting system



A subject-oriented, integrated, non-volatile, time-variant collection of data in support of managements decisions

Inmon, W.H., 1992. Building the Data Warehouse. 1992. *QED Information Sciences, Wellesley, MA.*

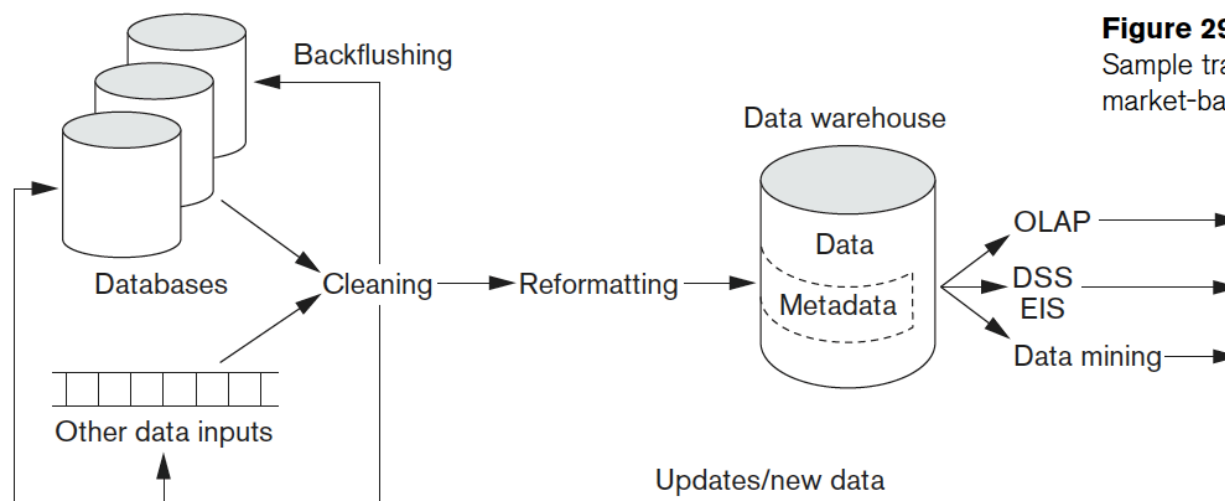
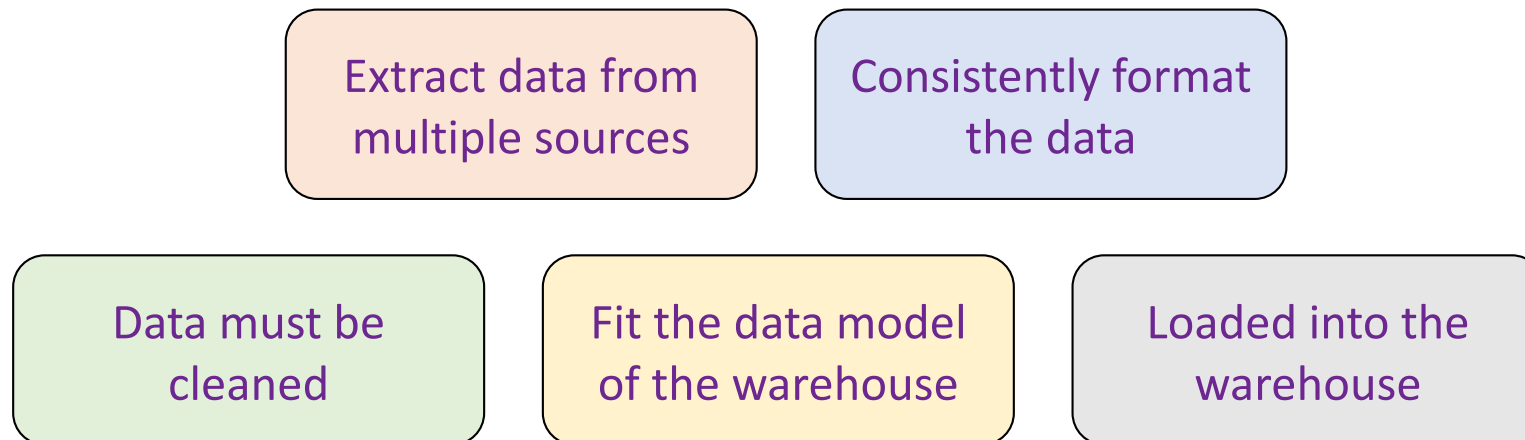


Figure 29.1

Sample transactions in market-basket model.

Navathe, S.B. and Elmasri, R.A., 2001. *Fundamentals of Database Systems with Cdrom and Book*. Addison-Wesley Longman Publishing Co., Inc

Building a Warehouse



Data Warehouse Vs. Views

Persistent Storage

Not Usually
Relational

Indexed for
Optimised
Performance

Provide Specific
Support

Large Amounts of
Integrated Data