

Data Modeling Exercise: Analytical Data Modeling

Given the OLTP Data Model on the next page, design data marts to support the following analyses:

1. Units Sold and Sales Dollars by Date and Time, Store, Cash Register, Employee, Customer, and Product.
2. Units Sold, Sales Dollars, and Discount Dollars by Date and Time, Store, Product and Discount Type.

Dimensions must be conformed (identical definitions except when one dimension is a wholly contained subset of the other) and the model must adhere to a strict Star Schema (dimension tables may not have parent tables and the only child tables they may have are fact tables).

Sales OLTP Data Model

