

Data Models – What & Why?

Data Warehouse

Large store of data retrieved from various sources designed to enable BI activities

Data Model

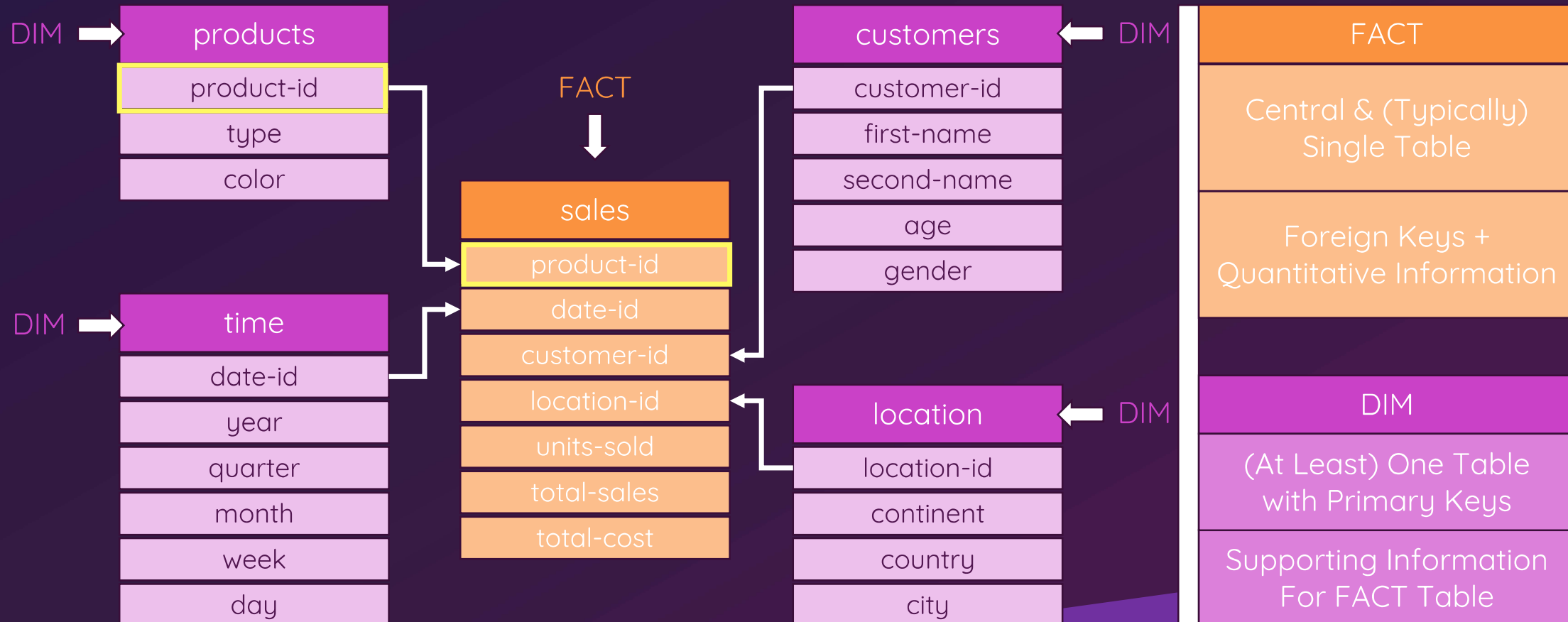
Structured & logical organization of data elements (e.g. tables) and the relationship between different data elements

Multidimensional Schema

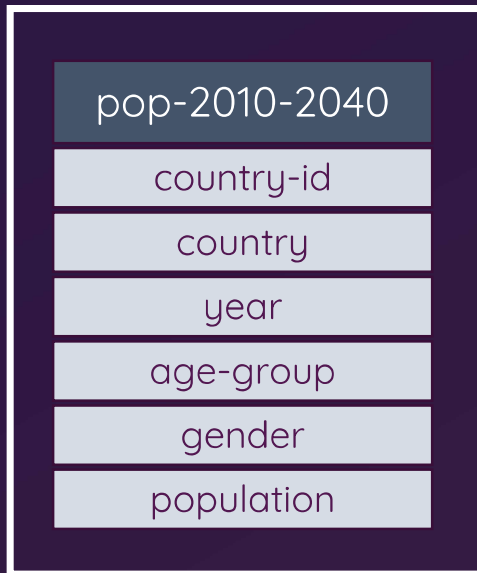
Model different dimensions to keep track of entities / actions concerning the warehouse's activities



The Star Schema – An Example

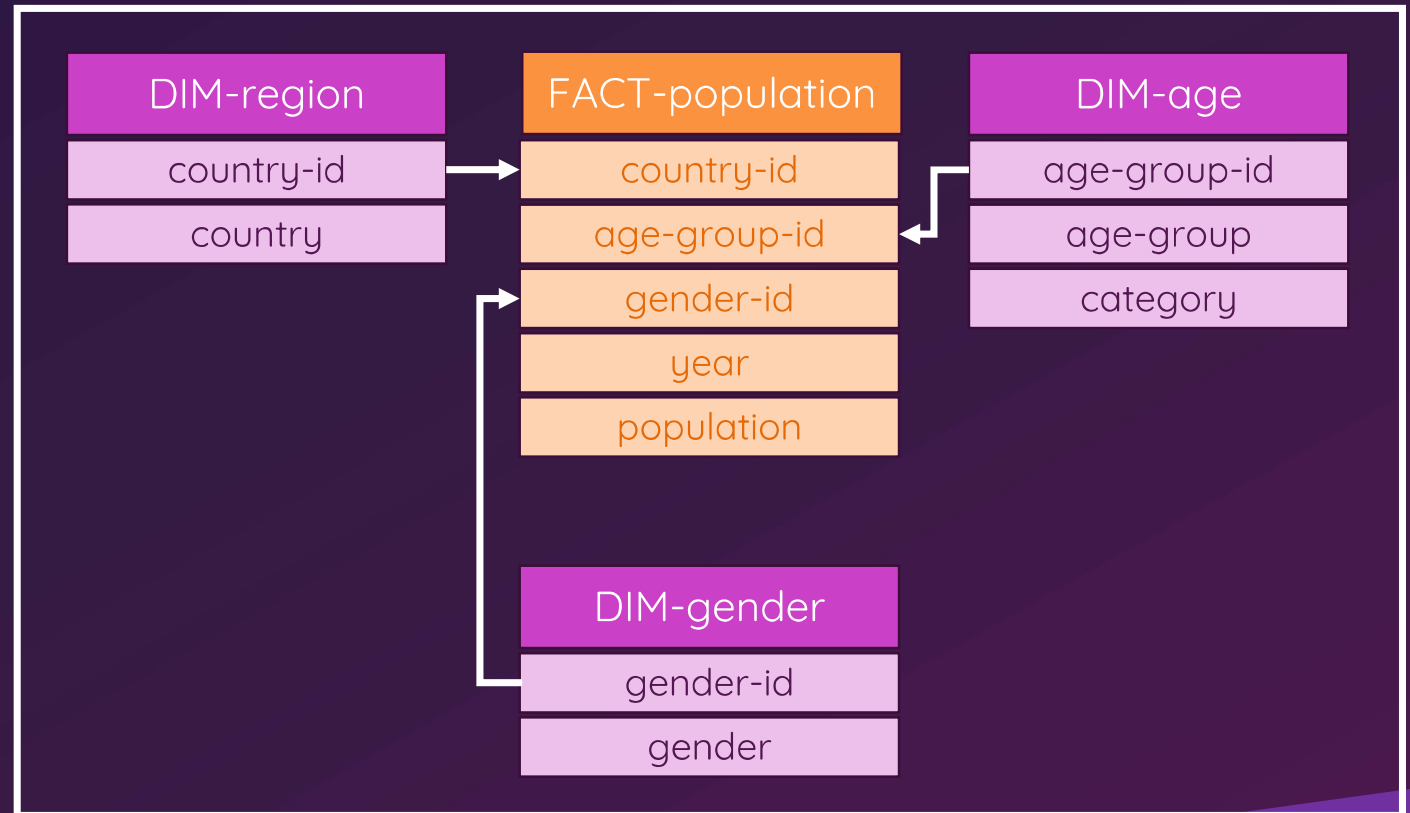


Applying the Star Schema to the Course Project



Single Table

VS



Multidimensional (Star) Schema

Understanding "Join Kind"



The DIM-age Table

