Assignment

Target: AdventureWorksDW Sources:

AdventureWorks2019 (tables)

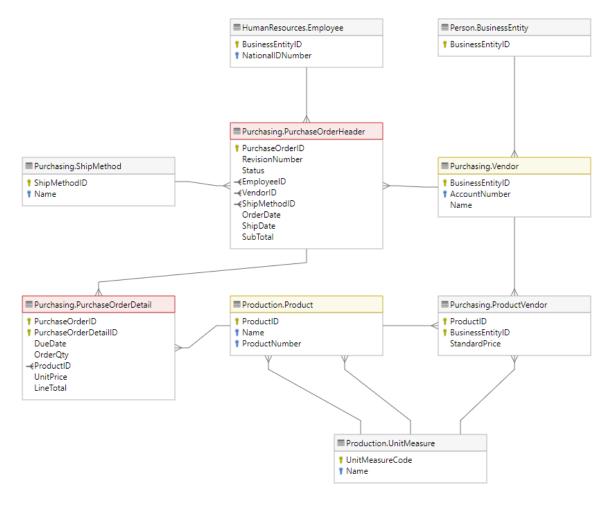


AdventureWorks Background



Schemas

Purchasing

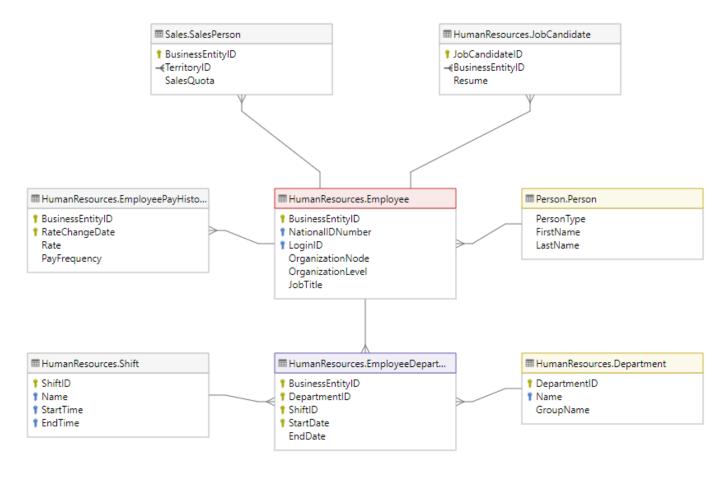


Vendors from who parts and products are purchased.



Schemas

Human Resources

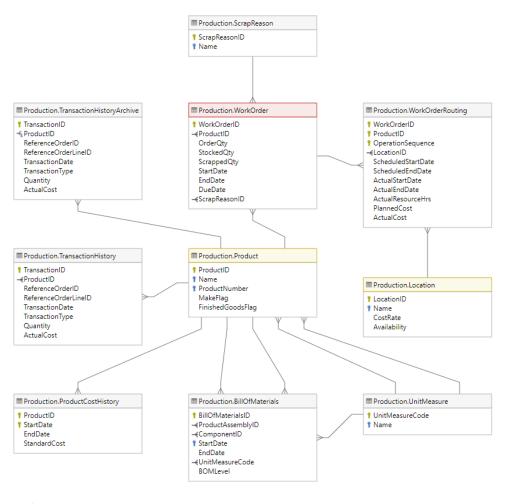


Employees of Adventure Works Cycles.



Schemas

Manufacturing



Manufacturing process management module.



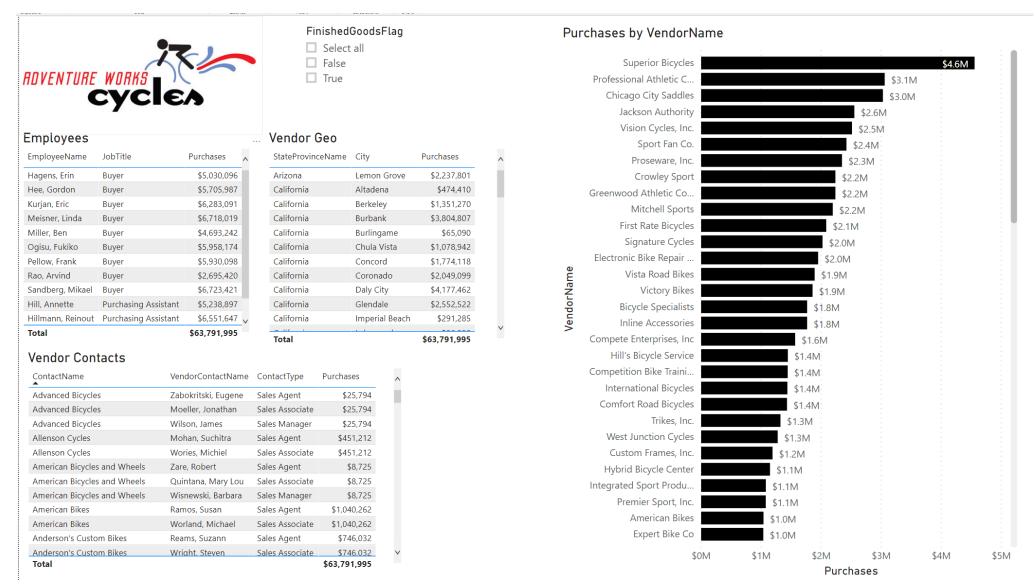
- AdventureWorks sells bikes, bike components and bile clothing directly to customers on internet and to stores, such as bike shops, that resell their products. AdventureWorks purchases products from vendors that they either resell or use as components in their own finished goods that they build (and then sell.)
- AdventureWorks contains the purchasing and related data that
 AdventureWorks business personnel need to answer many business questions
 and to perform analysis. The AdventureWorksDW has been created to enable
 reporting and BI, however, much of the data needed for purchasing related
 analysis are not present in that DW.

Business Requirements:

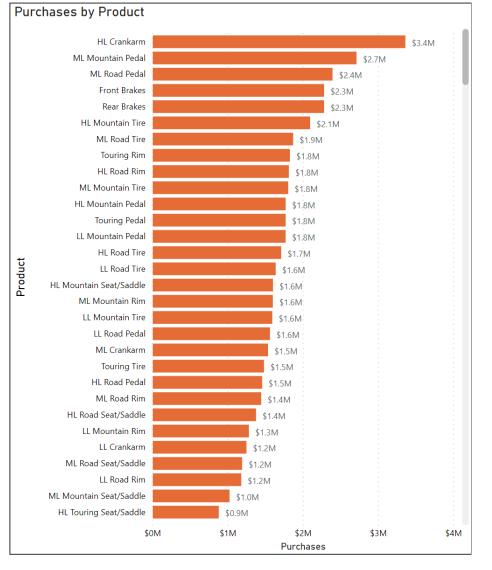
The following questions need to be answered by this new schema:

- What are AdventureWorks purchases (Purchase cost & quantity) by product?
- What types of products are purchased?
- What are AdventureWorks product purchases (Purchase cost & quantity) by vendor?
- What AdventureWorks' employees were involved in the above purchasing and what did they purchase
- What vendors' contacts were involved in the above purchasing and what did they purchase











Objectives:

- The purchasing-related schema in target database that will contain data on:
 - All product purchases made by AdventureWorks from vendors, i.e., purchase orders
 - List of products that might be purchased from Vendors, in other words, all the products that are not made by AdventureWorks
 - Need to include product attributes such as list price, standard cost, model name, subcategory name and category name. Current values is sufficient.
 - Note: if hierarchy applicable then this needs to be a star and NOT a snowflake design
 - Vendors that AdventureWorks might purchase products from
 - Products that AdventureWorks might purchase from vendors and associated with the vendors that sell them.
 - Vendors' employees (contacts) who interact with AdventureWorks
 - AdventureWorks' employees who have bought products from vendors and include attributes about those people such as address, email, phone, department they currently work in
 - AdventureWorks' ship methods
 - A geography dimension used as outrigger for dimensions above that include cities, states and countries
 - A calendar dimension that AdventureWorks could use for facts and dimensions



Loading AdventureWorksDW Assignment deliverables & tasks



Assignment: Deliverables

- Create a data model in ER/Studio
- Create the DDL to create the tables
- Upload the above files into Canvas assignment

