**PART 2: Creating the Data Model**

*Using the report you created in Part 1, complete the following steps:*

**1)** In the **MODEL** view, arrange your tables with the lookup tables above the data tables

* Connect **Transaction\_Data** to **Customers**, **Products**, and **Stores** using valid primary/foreign keys
* Connect **Transaction\_Data** to **Calendar** using both date fields, with an inactive "*stock\_date*" relationship
* Connect **Return\_Data** to **Products**, **Calendar**, and **Stores** using valid primary/foreign keys
* Connect **Stores** to **Regions** as a "snowflake" schema

**2)** Confirm the following:

* All relationships follow **one-to-many** cardinality, with primary keys (1) on the lookup side and foreign keys (\*) on the data side
* Filters are all **one-way** (no two-way filters)
* Filter context flows "**downstream**" from lookup tables to data tables
* Data tables are connected via **shared lookup tables** (*not directly to each other*)

**3)** Hide all **foreign keys** in both data tables from Report View, as well as "*region\_id*" from the **Stores** table

**4)** In the **DATA** view, complete the following:

* Update *all* date fields (across all tables) to the "**M/d/yyyy**" format using the formatting tools in the **Modeling** tab
* Update "*product\_retail\_price*", "*product\_cost*", and "*discount\_price*" to **Currency ($ English)** format
* In the **Customers**table, categorize "*customer\_city*" as **City**, "*customer\_postal\_code*" as **Postal Code**, and "*customer\_country*" as **Country/Region**
* In the **Stores**table, categorize "*store\_city*" as **City**, "*store\_state*" as **State or Province**, "*store\_country*" as **Country/Region**, and "*full\_address*" as **Address**

**5)** Save your .pbix file

***Solution screenshot (for reference):***

