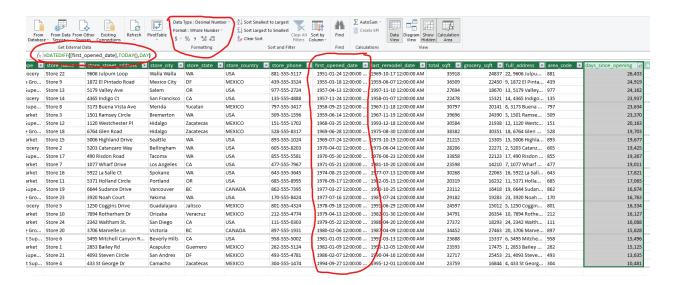
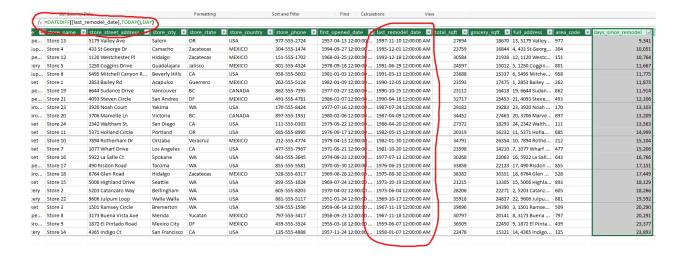


## Project Analyzing Data with Power Pivot & DAX

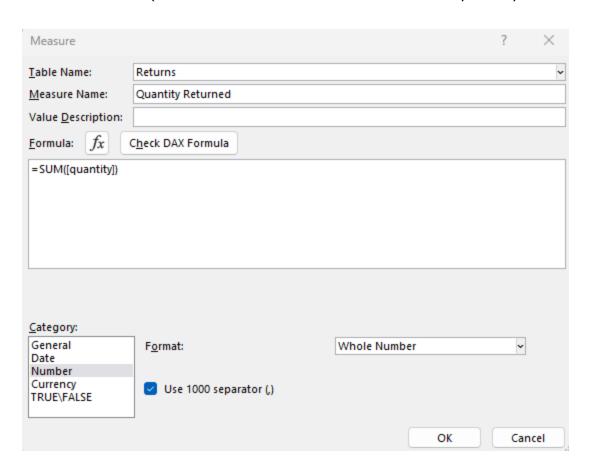
- 1) In the **Store\_Lookup** table, create a new calculated column named *days\_since\_opening* to calculate the number of days since the store opened (*hint:* use the TODAY() function and subtract the date from the *first\_opened\_date* column)
  - Use the formatting tools in the **Home** tab to format as a whole number, with a thousands separator (*Data Type: Decimal Number, Format: Whole number*)



- Which store opened first? Which opened most recently?
- → Store 22 (Walla Walla, WA) opened first, **Store** #**4** (Camacho, Zacatecas) opened most recently
- **2)** Update the formula in #1 to calculate the number of days since the last remodel date, rather than the store opening date, and rename the column *days\_since\_remodel*.



- Which store was remodeled most recently?
- → Store 13 Salem, OR
- **3)** From the Power Pivot tab, create a new measure assigned to the **Returns** table named **Quantity Returned**, which sums the *quantity* column from the **Returns** data table (*format as whole number, with thousands separator*)



• Update the PivotTable layout to show **Quantity Returned** by *store\_country* as **row labels**. What was the total quantity of returned products from stores in Canada?

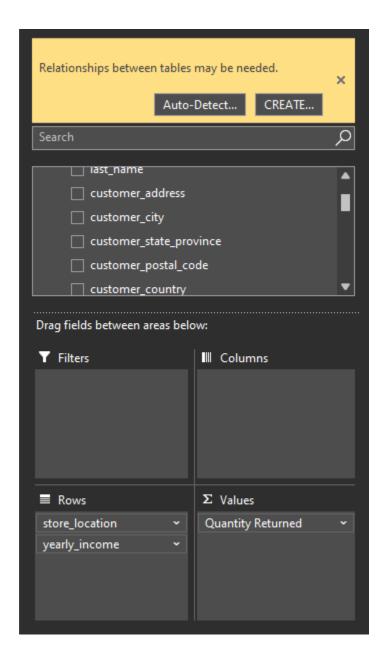
## → 541

store_country 🔻	<b>Quantity Returned</b>
<b>⊕</b> CANADA	541
<b>■ MEXICO</b>	2,317
<b>⊕USA</b>	5,431
<b>Grand Total</b>	8,289

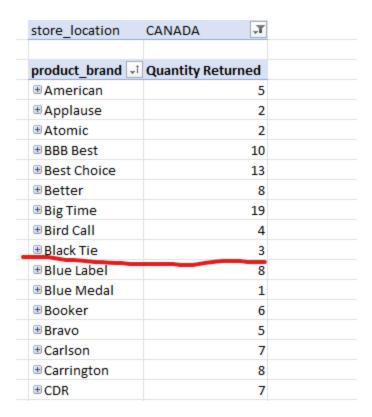
 Pull product\_brand into the pivot as additional row labels. What was the total quantity of "Best Choice" products returned in stores from Mexico?

	39
■ Best Choice	39
<b>⊞ BBB Best</b>	39
⊕ CDR	42
⊕ Big Time	43
	43
<b>⊕</b> Denny	44
<b>⊕</b> Carrington	45

- → Best Choice ,39
- Replace product\_brand with yearly\_income from the Customer\_Lookup table.
  What do you notice about the Quantity Returned values? Why is that happening?
- → The Quantity Returned measure returns repeating values for every row, because there is no relationship between the **Returns** data table and the **Customer\_Lookup** table



- **4)** Update the PivotTable layout to just show **Quantity Returned** by *product\_brand* (as row labels), and add a filter for **store\_country** = **Canada** 
  - You should see a Quantity Returned value of 3 for "Black Tie" products in Canada



• Replicate each step of the measure calculation for that cell by actually filtering the related tables in the data model, and confirm that the value shown in the Data View calculation pane matches the pivot



