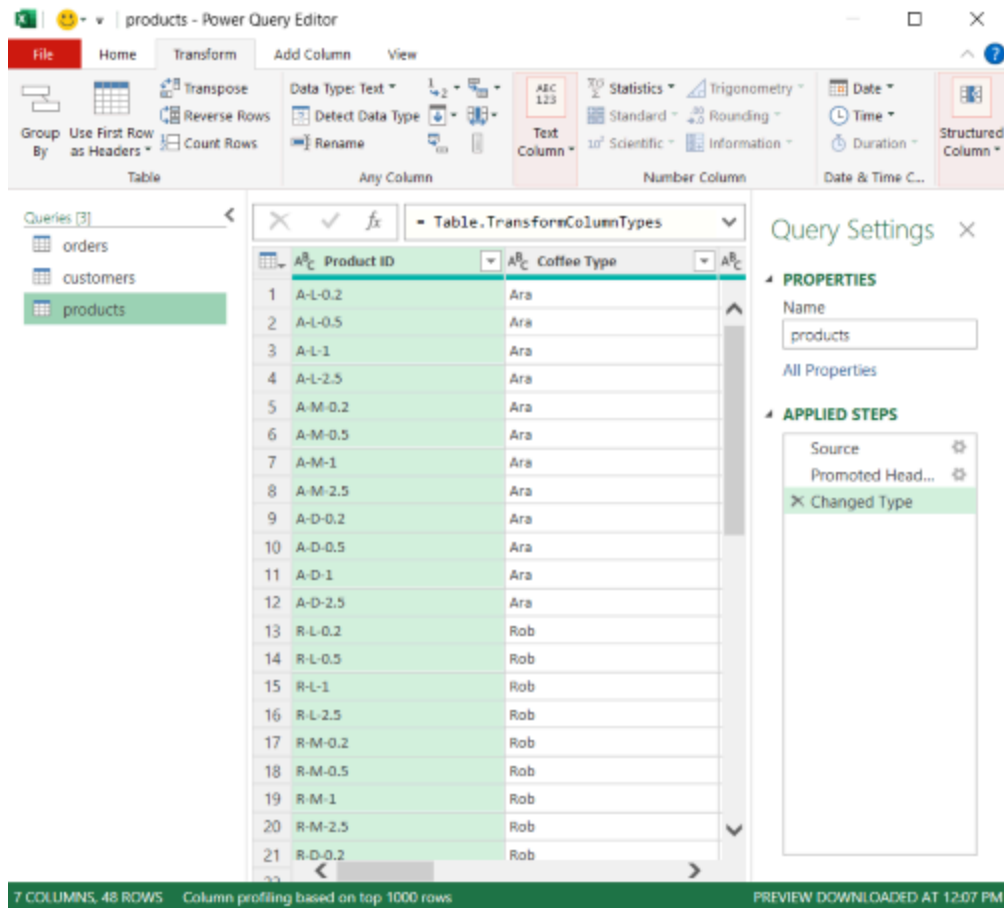
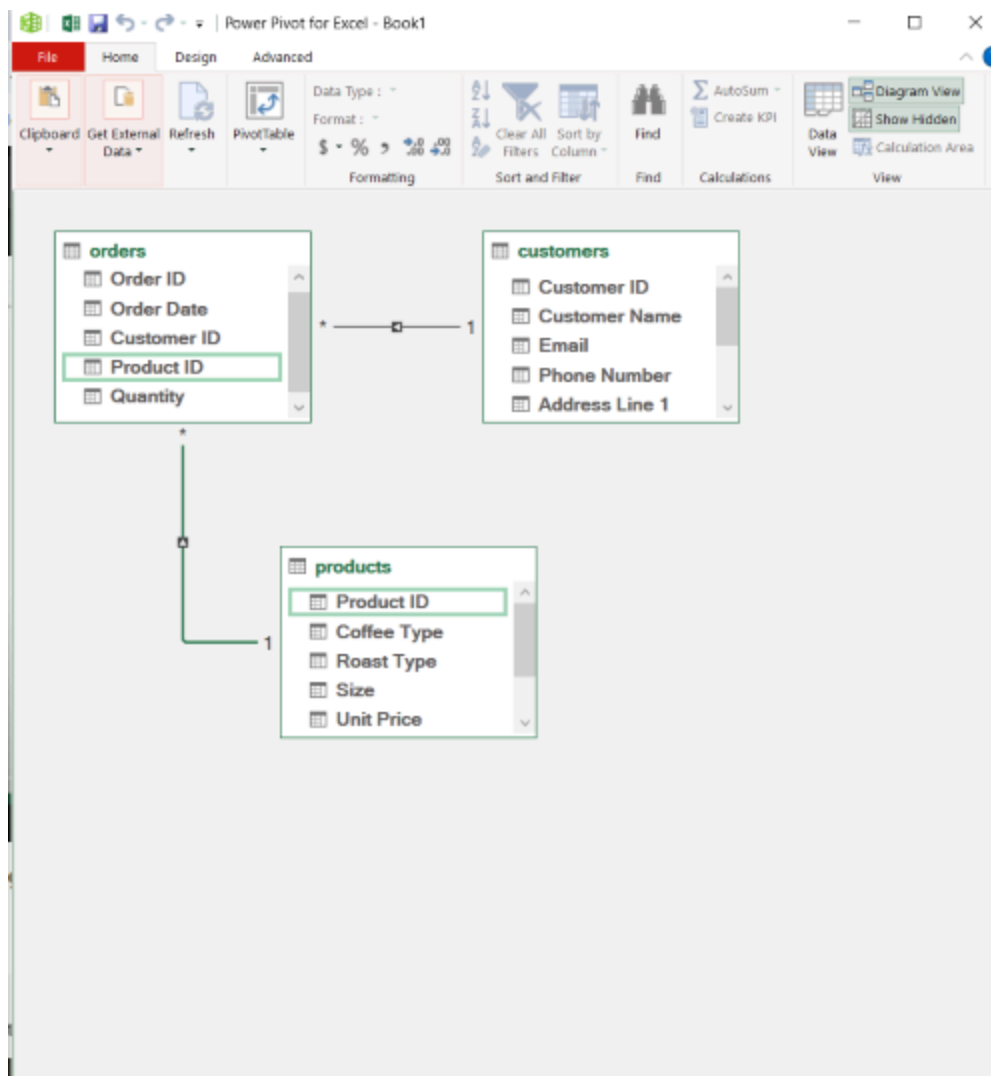


Three tables, orders, customers, and products were imported using power query editor.



The tables were then loaded into power pivot



Next a column for total profit was created for the orders table using 'quantity' from the orders table and 'profit' from the products table

| | | | | | | | | | | | | | | | |
|-----------|--------------|--|-----------------|---------|----------|---------|--------------------|-------------|--|-------------------|--|------------|--|-----------------|--|
| Clipboard | | Database | | Service | | Sources | | Connections | | Get External Data | | Formatting | | Sort and Filter | |
| [Profit] | | fx =RELATED(products[Profit])*orders[Quantity] | | | | | | | | | | | | | |
| | Order ID | Order ... | Custom... | Prod... | Quantity | Profit | returning_customer | | | | | | | | |
| 1 | QEV-374... | 9/5/2019 12:... | 17670-51384-... | R-M-1 | 2 | \$1.19 | TRUE | | | | | | | | |
| 2 | KAC-8308... | 7/15/2021 12... | 23806-46781-... | E-M-1 | 2 | \$3.03 | TRUE | | | | | | | | |
| 3 | KAC-8308... | 7/15/2021 12... | 23806-46781-... | R-L-2.5 | 2 | \$3.30 | TRUE | | | | | | | | |
| 4 | ITA-87418... | 5/22/2020 12... | 39396-12890-... | R-D-2.5 | 2 | \$2.47 | FALSE | | | | | | | | |
| 5 | QUQ-905... | 2/6/2021 12:... | 77634-13918-... | L-M-0.2 | 2 | \$1.13 | FALSE | | | | | | | | |
| 6 | XWC-206... | 7/7/2022 12:... | 08350-81623-... | E-D-0.2 | 2 | \$0.80 | FALSE | | | | | | | | |
| 7 | ULR-5265... | 10/4/2021 12... | 04152-34436-IE | L-L-2.5 | 2 | \$9.48 | FALSE | | | | | | | | |

Next a column was created for the orders table to determine if a customer was a returning customer.

Clipboard

Database

Service

Sources

Connections

Get External Data

Formatting

Sort and Filter

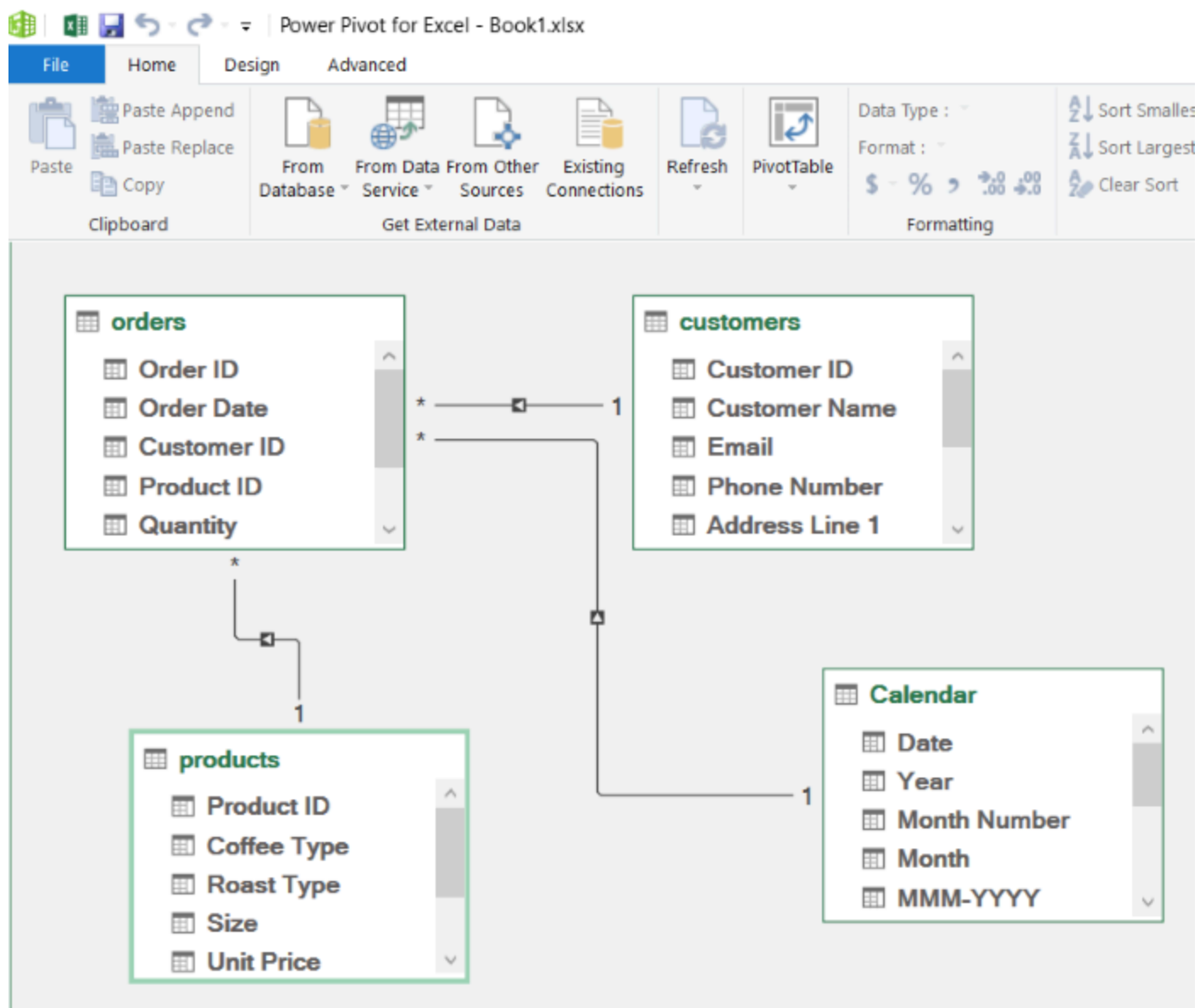
[returnin...]

fx

=CALCULATE(COUNTROWS(orders),ALLEXCEPT(orders,customers[Customer ID]))>1

| | Order ID | Order ... | Custom... | Prod... | Quantity | Profit | returning_customer |
|---|--------------|-----------------|-----------------|---------|----------|--------|--------------------|
| 1 | QEV-374... | 9/5/2019 12:... | 17670-51384-... | R-M-1 | 2 | \$1.19 | TRUE |
| 2 | KAC-8308... | 7/15/2021 12... | 23806-46781-... | E-M-1 | 2 | \$3.03 | TRUE |
| 3 | KAC-8308... | 7/15/2021 12... | 23806-46781-... | R-L-2.5 | 2 | \$3.30 | TRUE |
| 4 | ITA-87418... | 5/22/2020 12... | 39396-12890-... | R-D-2.5 | 2 | \$2.47 | FALSE |

Then to avoid gaps in Order Date, a date table was generated and added to the diagram.



Finally a pivot table and line chart were created showing total profit by year and coffee type.

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19

| Sum of Profit | | Coffee Type ▾ | | | |
|---------------|--|---------------|----------|----------|----------|
| Year ▾ | | Ara | Exc | Lib | Rob |
| ⊕ 2019 | | \$263.40 | \$382.96 | \$439.14 | \$144.06 |
| ⊕ 2020 | | \$302.08 | \$402.98 | \$338.58 | \$149.60 |
| ⊕ 2021 | | \$364.11 | \$381.66 | \$498.77 | \$144.85 |
| ⊕ 2022 | | \$129.58 | \$186.11 | \$290.54 | \$101.81 |

