Purushottam Behera

SH7B23525

Data Loading
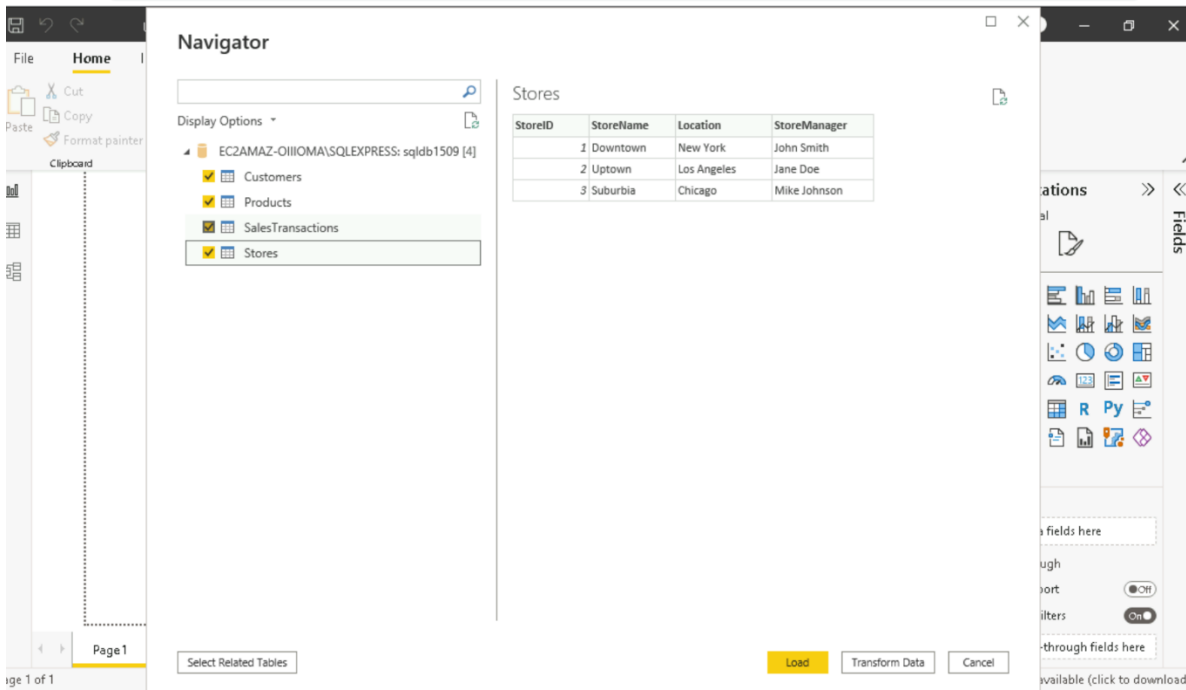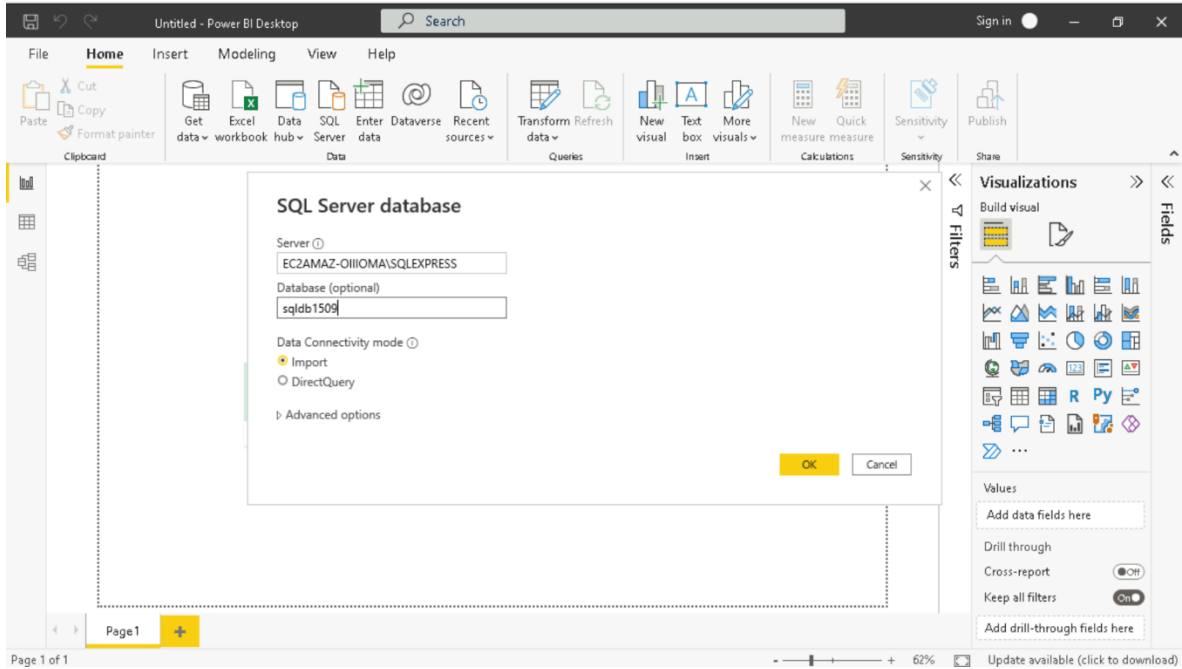
Data Transformation

Merge

Select a table and matching columns to create a merged table.

Customers

CustomerID	CustomerName	Email	Phone
101	Customer A	customerA@email.com	(123) 456-7890
102	Customer B	customerB@email.com	(234) 567-8901
103	Customer C	customerC@email.com	(345) 678-9012
104	Customer D	customerD@email.com	(456) 789-0123
105	Customer E	customerE@email.com	(567) 890-1234

SalesTransactions

TransactionID	ProductID	StoreID	CustomerID	TransactionDate	QuantitySold	Revenue
1	101	1	101	1/5/2023	50	500
2	102	2	102	1/10/2023	40	600
3	103	1	103	2/15/2023	30	300
4	104	3	104	3/20/2023	60	900
5	101	2	101	4/25/2023	70	700

Join Kind

Left Outer (all from first, matching from second)

☐ Use fuzzy matching to perform the merge

▷ Fuzzy matching options

✓ The selection matches 7 of 7 rows from the first table.

OK   **Cancel**

4 COLUMNS, 7 ROWS   Column profiling based on top 1000 rows   PREVIEW DOWNLOADED AT 9:34 A

`= Table.NestedJoin(dbo_Products, {"ProductID"}, SalesTransactions, {"ProductID"},`

	ProductName	Category	Price	SalesTransactions
1	101 Laptop XYZ	Electronics	800	Table
2	102 T-Shirt Blue	Clothing	15	Table
3	103 Smartphone ABC	Electronics	400	Table
4	104 Sofa Set	Furniture	1200	Table
5	105 Tablet PQR	Electronics	300	Table
6	106 Jeans Black	Clothing	40	Table
7	107 Chair	Furniture	80	Table

TransactionID	ProductID	StoreID	TransactionDate	QuantitySold	Revenue
3	103	1	2/15/2023	30	300

Query Settings

PROPERTIES
Name
Products

All Properties

APPLIED STEPS
- Source
- Navigation
- ✕ Merged Queries

5 COLUMNS, 7 ROWS   Column profiling based on top 1000 rows   PREVIEW DOWNLOADED AT 9:53 AM

Screenshot 1

Untitled - Power BI Desktop — Search — Sign in

File Home Help Table tools

Paste | Cut | Copy | Get data | Excel workbook | Data hub | SQL Server | Enter data | Dataverse | Recent sources | Transform data | Refresh data | Manage relationships | New measure | Quick measure | New column | New table | Manage roles | View as | Sensitivity | Publish

Clipboard — Data — Queries — Relationships — Calculations — Security — Sensitivity — Share

nsactions.TransactionID	SalesTransactions.ProductID	SalesTransactions.StoreID	SalesTransactions.TransactionDate	SalesTransactions.QuantitySold	SalesTransactions.Rev
1	101	1	Thursday, January 5, 2023	50	
5	101	2	Tuesday, April 25, 2023	70	
2	102	2	Tuesday, January 10, 2023	40	
6	102	3	Tuesday, May 30, 2023	45	
3	103	1	Wednesday, February 15, 2023		
4	104	3	Monday, March 20, 2023		
7	105	1	Monday, June 5, 2023		
10	105	1	Wednesday, September 20, 2023	68	
8	106	2	Monday, July 10, 2023	38	
9	107	3	Tuesday, August 15, 2023	42	

Name MergeDataset
Storage mode Import
Data refreshed 9/15/2023, 10:55:06 AM

Fields
Search
- CoustomerSales
- Customers
- Merge1
- MergeDataset
- Products
- SalesTransactions
- Stores

Table: MergeDataset (10 rows) — Update available (click to download)

Screenshot 2

File Home Help Table tools Measure tools

Name Price x SalesTransac... Format General
Home table MergeDataset $ - % 9 .00 Auto
Data category Uncategorized
New measure Quick measure

Structure — Formatting — Properties — Calculations

```
1 GrossSales =
2 SUM('Products'[Price]) * SUM('MergeDataset'[SalesTransactions.QuantitySold])
```

ne	SalesTransactions.TransactionID	SalesTransactions.ProductID	SalesTransactions.StoreID	SalesTransactions.TransactionDate	SalesTransactions.QuantitySold	Sa
456-7890	1	101	1	Thursday, January 5, 2023	50	
456-7890	5	101	2	Tuesday, April 25, 2023	70	
567-8901	2	102	2	Tuesday, January 10, 2023	40	
567-8901	6	102	3	Tuesday, May 30, 2023	45	
678-9012	3	103	1	Wednesday, February 15, 2023	30	
789-0123	4	104	3	Monday, March 20, 2023	60	
890-1234	7	105	1	Monday, June 5, 2023	55	
890-1234	10	105	1	Wednesday, September 20, 2023	68	
901-2345	8	106	2	Monday, July 10, 2023	38	
012-3456	9	107	3	Tuesday, August 15, 2023	42	

Fields
Search
- Merge1
- MergeDataset
  - CustomerID
  - CustomerName
  - Email
  - Location
  - Phone
  - Price x SalesTransa..
  - Products.Category
  - Products.Price
  - Products.ProductN.
  - SalesTransactions.P
  - SalesTransactions....
  - SalesTransactions.R
  - SalesTransactions.S.
  - SalesTransactions.T.
  - SalesTransactions.T...

Screenshot 3

Untitled - Power BI Desktop — Search — Sign in

File Home Help Table tools Measure tools

Name GrossSales minus S... Format General
Home table MergeDataset $ - % 9 .00 Auto
Data category Uncategorized
New measure Quick measure

Structure — Formatting — Properties — Calculations

```
1 Total Cost =
2 [GrossSales] - SUM('MergeDataset'[SalesTransactions.Revenue])
```

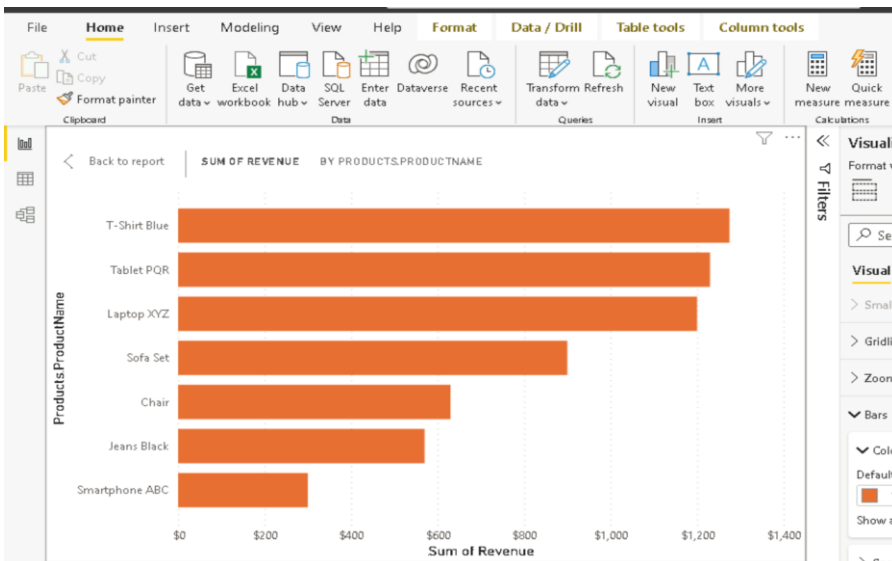| CustomerID	CustomerName	Email	Phone	SalesTransactions.TransactionID	SalesTransactions.ProductID	SalesTransactions.StoreID	SalesT
101	Customer A	customerA@email.com	(123) 456-7890	1	101	1	
101	Customer A	customerA@email.com	(123) 456-7890	5	101	2	
102	Customer B	customerB@email.com	(234) 567-8901	2	102	2	
102	Customer B	customerB@email.com	(234) 567-8901	6	102	3	
103	Customer C	customerC@email.com	(345) 678-9012	3	103	1	
104	Customer D	customerD@email.com	(456) 789-0123	4	104	3	
105	Customer E	customerE@email.com	(567) 890-1234	7	105	1	
105	Customer E	customerE@email.com	(567) 890-1234	10	105	1	
106	Customer F	customerF@email.com	(678) 901-2345	8	106	2	
107	Customer G	customerG@email.com	(789) 012-3456	9	107	3	

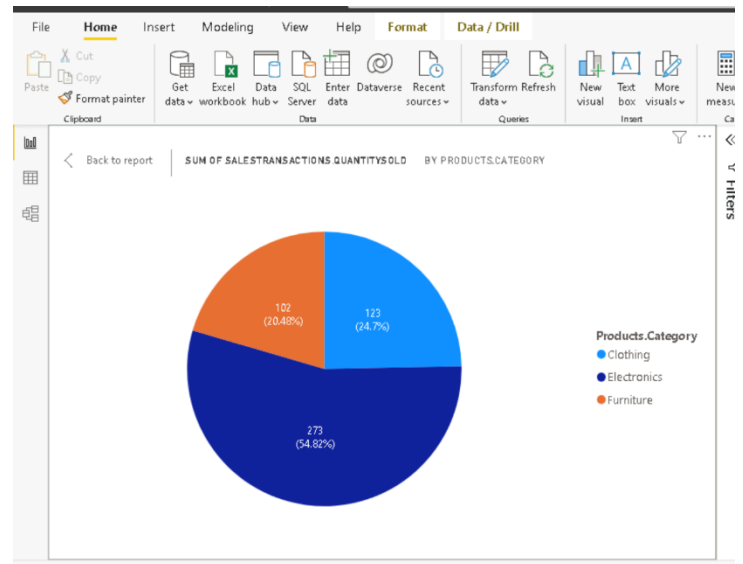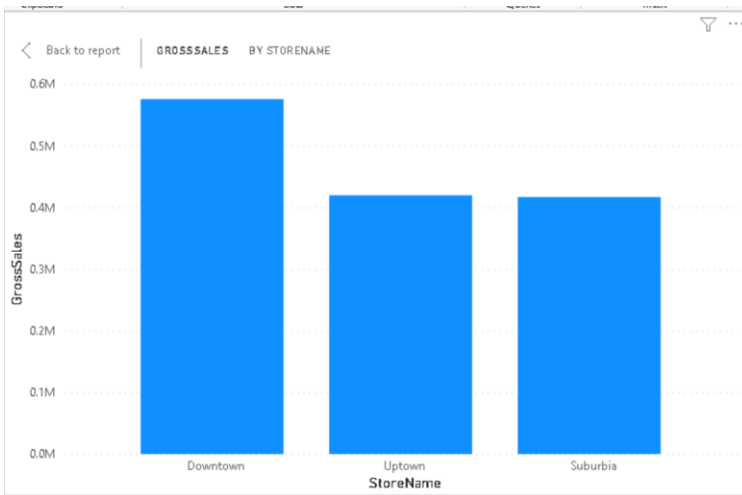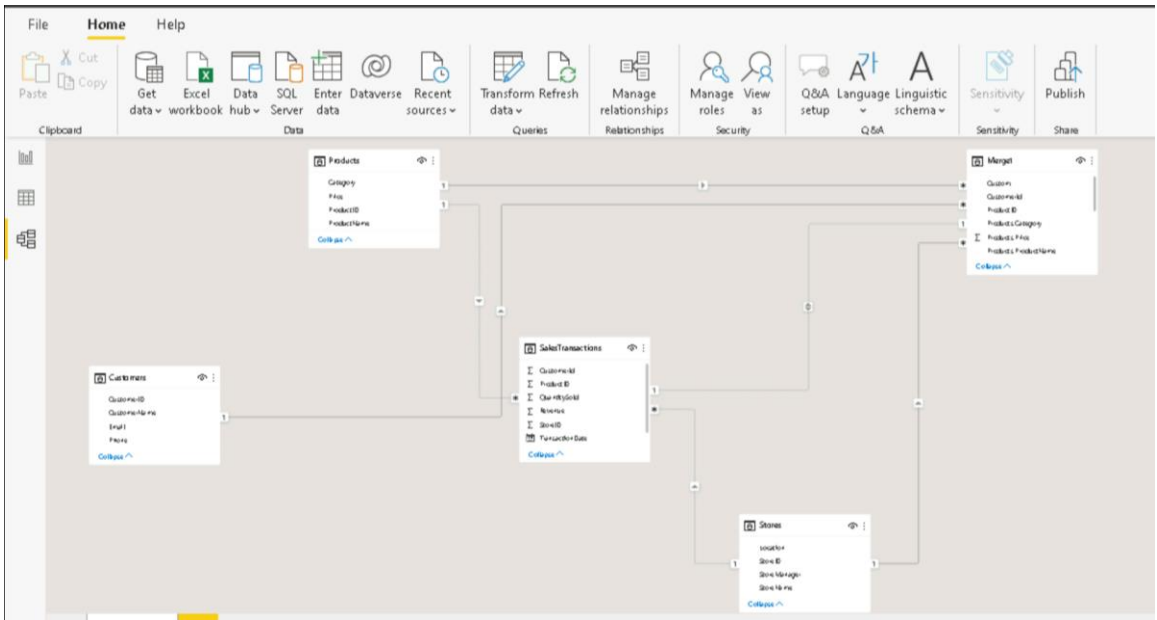Fields
Search
- Merge1
- MergeDataset
  - CustomerID
  - CustomerName
  - Email
  - GrossSales
  - GrossSales minus S...
  - Location
  - Phone
  - Products.Category
  - Products.Price
  - Products.ProductN...
  - SalesTransactions.P...
  - SalesTransactions....
  - SalesTransactions.R...
  - SalesTransactions.S...
  - SalesTransactions.T...

Table: MergeDataset (10 rows) Column: GrossSales minus SalesTransactions.Revenue (0 distinct values) — Update available (click to download)
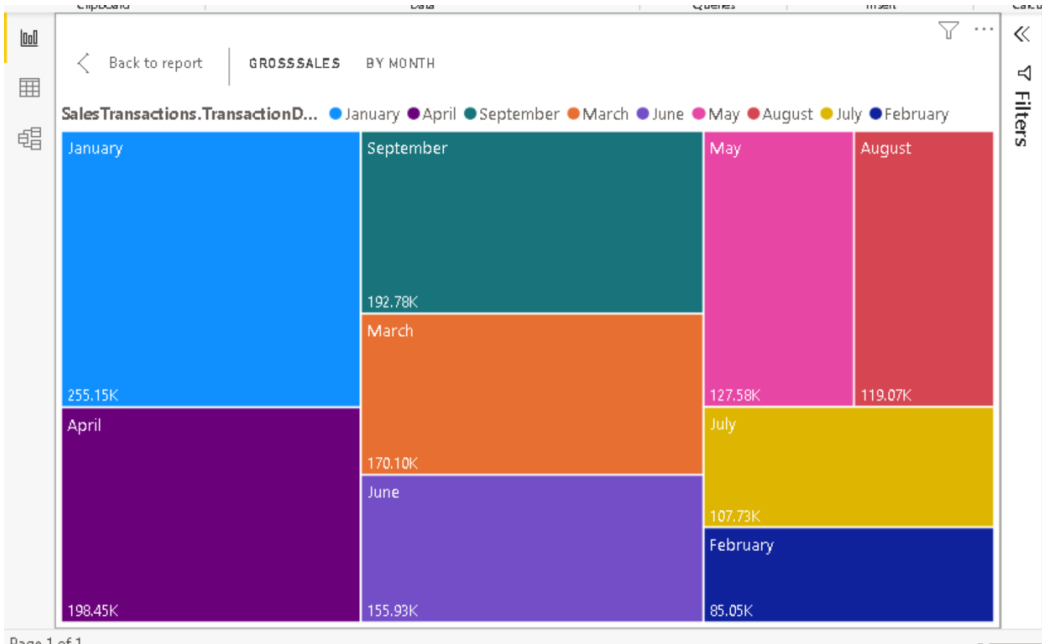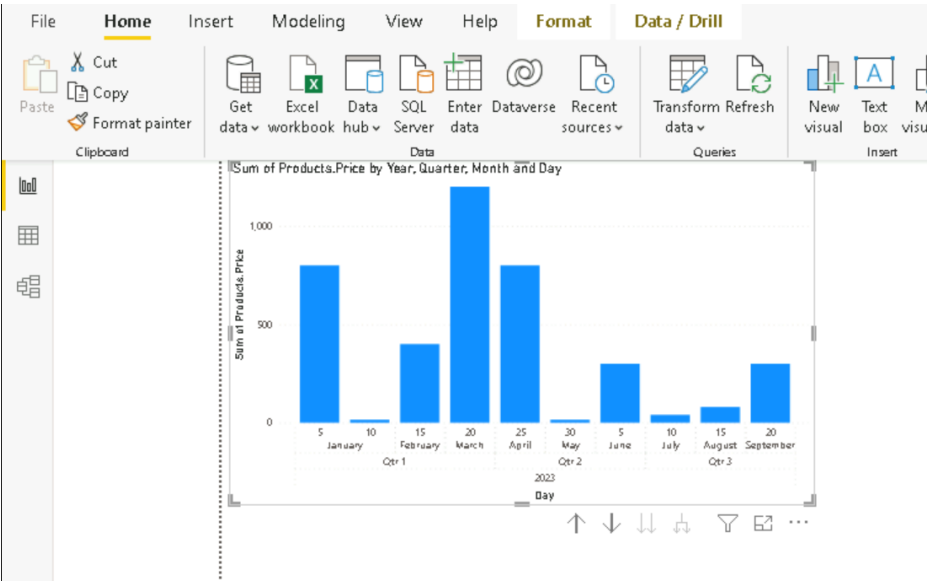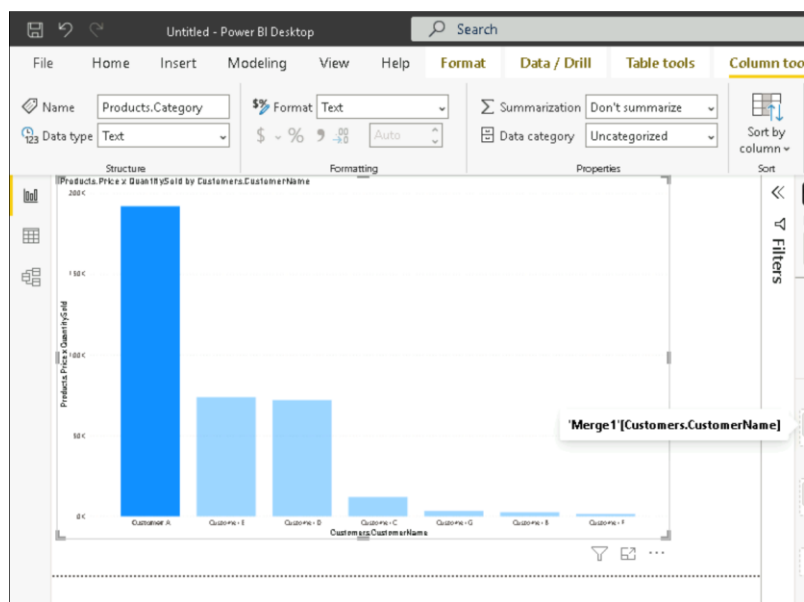
GROSSSALES BY STORENAME

SUM OF SALESTRANSACTIONS.QUANTITYSOLD BY PRODUCTS.CATEGORY

Products.Category
- Clothing
- Electronics
- Furniture

SUM OF REVENUE BY PRODUCTS.PRODUCTNAME

GROSSSALES BY MONTH

SalesTransactions.TransactionD... ● January ● April ● September ● March ● June ● May ● August ● July ● February

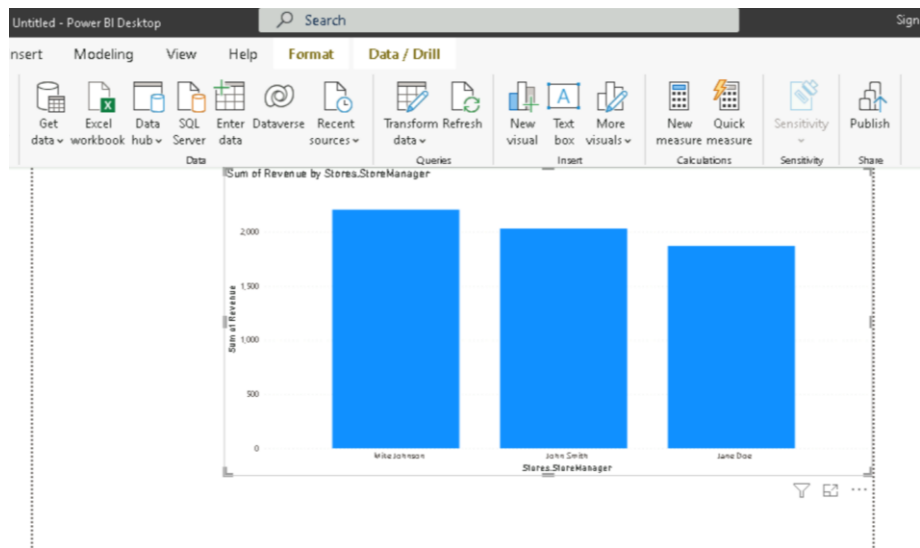|			
January	September	May	August
	192.78K		
	March	127.58K	119.07K
255.15K			
April	170.10K	July	
	June	107.73K	
		February	
198.45K	155.93K	85.05K	

Page 1 of 1

Date Hierarchy

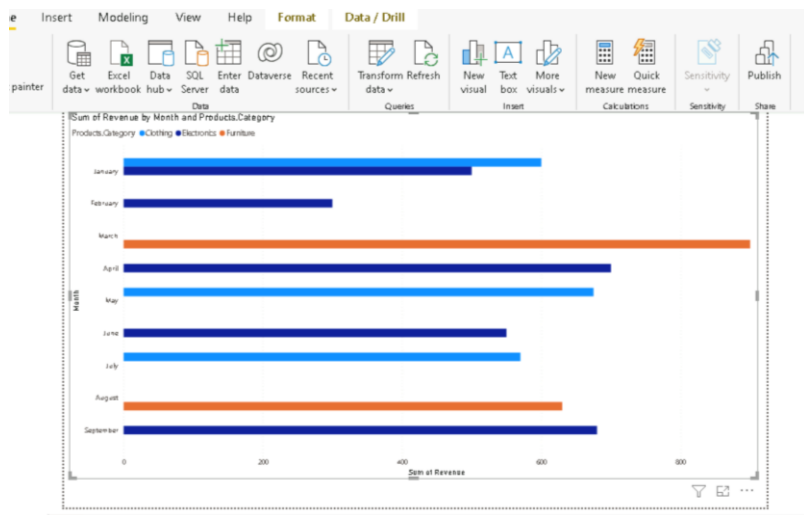Prices per Quarter using Date hierarchy

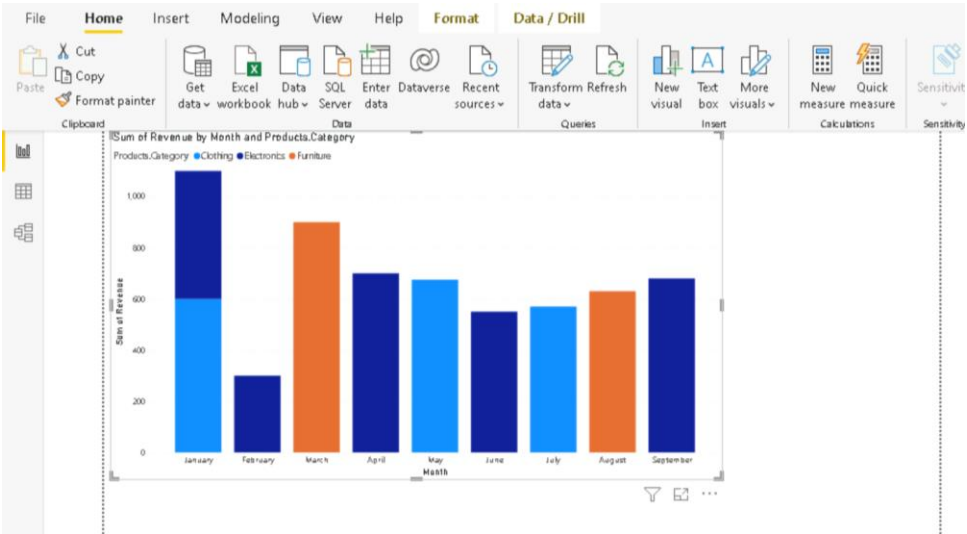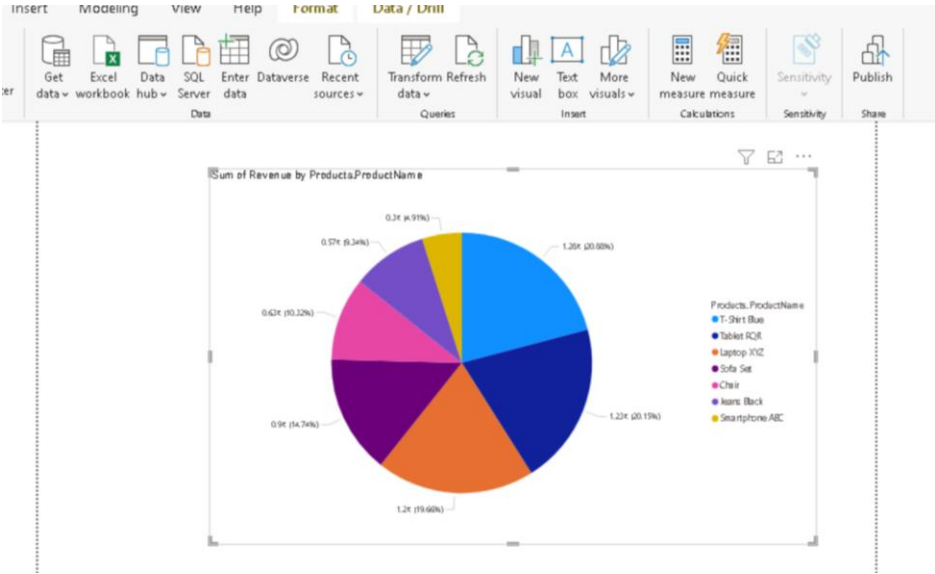Top Spending Customer-- Customer A

sales revenue distributed among different store managers

. sales trends vary by product category on a monthly basis

percentage of products account for 80% of total sales revenue – None

seasonal trends in sales for specific products