

METHODOLOGY – BRIGHT COFFEE SHOP

1. Csv table provided https://drive.google.com/file/d/1gEWVOX1K5A4KkP74dCr2TgIFmg2qBPp8/view?usp=drive_link

- Converted csv to excel spreadsheet
- Adding *total_amount* as a new column
- Formula in excel: =unit_price*product_qty= total_amount

AutoSave Off Final - Bright Coffee Shop Analytics

File Home Insert Page Layout Formulas Data Review View Automate Help Acrobat Table Design Query

Clipboard Font Alignment Number Styles

G17 Tea

	A	B	C	D	E	F	G	H
	TRANSACTION_DATE	MONTH_ID	NUMBER_OF_SALES	UNIQUE_PRODUCTS_SOLD	TOTAL_AMOUNT	TRANSACTION_QTY	PRODUCT_CATEGORY	PRODUCT_DETAIL
1								
2	2023/01/01	Jan	2	2	6	2	Coffee	Ethiopia
3	2023/01/01	Jan	2	2	6,2	2	Tea	Spicy Eye Opener Chai
4	2023/01/01	Jan	1	1	9	2	Drinking Chocolate	Dark chocolate
5	2023/01/01	Jan	2	2	2	1	Coffee	Our Old Time Diner Blend
6	2023/01/01	Jan	3	3	3	1	Bakery	Oatmeal Scone
7	2023/01/01	Jan	1	1	4	2	Coffee	Columbian Medium Roast
8	2023/01/01	Jan	1	1	4,25	1	Coffee	Latte
9	2023/01/01	Jan	2	2	2,55	1	Tea	Spicy Eye Opener Chai
10	2023/01/01	Jan	1	1	7	2	Coffee	Ethiopia
11	2023/01/01	Jan	1	1	3	1	Tea	Earl Grey
12	2023/01/01	Jan	2	2	3,1	1	Tea	Spicy Eye Opener Chai
13	2023/01/01	Jan	1	1	6	2	Coffee	Ouro Brasileiro shot
14	2023/01/01	Jan	3	3	6	2	Tea	Serenity Green Tea
15	2023/01/01	Jan	1	1	4,75	1	Drinking Chocolate	Sustainably Grown Organic
16	2023/01/01	Jan	2	2	7	2	Coffee	Ethiopia
17	2023/01/01	Jan	3	3	5,1	2	Tea	Spicy Eye Opener Chai
18	2023/01/01	Jan	1	1	2,55	1	Tea	Spicy Eye Opener Chai
19	2023/01/01	Jan	1	1	3	1	Tea	Lemon Grass
20	2023/01/01	Jan	3	3	6	2	Tea	Peppermint
21	2023/01/01	Jan	3	3	3,75	1	Bakery	Chocolate Croissant
22	2023/01/01	Jan	4	4	7,5	2	Coffee	Cappuccino
23	2023/01/01	Jan	1	1	7	2	Coffee	Brazilian
24	2023/01/01	Jan	1	1	5	2	Coffee	Columbian Medium Roast
25	2023/01/01	Jan	4	4	2,5	1	Tea	Morning Sunrise Chai
26	2023/01/01	Jan	1	1	4,5	1	Bakery	Scottish Cream Scone
27	2023/01/01	Jan	1	1	2,5	1	Tea	English Breakfast

Save excel sheet as csv, the load table on Snowflake:

2025-04-25 8:58pm

2025-05-02 9:44pm

+
▼

Databases

Worksheets

Q Search objects

◁

> BRIGHT_TV

> COFFEESHOP

> SNOWFLAKE

> SNOWFLAKE_SAMPLE_DATA

COFFEESHOP.PUBLIC

Settings

1
2
3
4
5
6
7
8
9
10

```
SELECT
*
FROM
"COFFEESHOP"."PUBLIC"."COFFEE_SHOP"

|
```

ACCOUNTADMIN

• COMPUTE_WH (X-Small)

Share

▶

▼

Code Versions

Q

Results

Chart

Q

🗑️

⬇️

📄

🕒

	TRANSACTION_ID	TRANSACTION_DATE	TRANSACTION_TIME	TRANSACTION_QT
1	1	2023/01/01	07:06:11	
2	2	2023/01/01	07:08:56	
3	3	2023/01/01	07:14:04	
4	4	2023/01/01	07:20:24	
5	5	2023/01/01	07:22:41	
6	6	2023/01/01	07:22:41	
7	7	2023/01/01	07:25:49	
8	8	2023/01/01	07:33:34	
9	9	2023/01/01	07:39:13	
10	10	2023/01/01	07:39:34	
11	11	2023/01/01	07:43:05	
12	12	2023/01/01	07:44:35	
13	13	2023/01/01	07:45:51	
14	14	2023/01/01	07:48:19	
15	15	2023/01/01	07:52:36	

Partial results displayed

Only 10,000 rows of the results are displayed. Please download the results for all of the rows.

Query Details

...

Query duration 1.2s

Rows 149.1K

Query ID 01bc3227-0000-940d-...

TRANSACTION_ID

#

1 149456

TRANSACTION_DATE

▲

2023/06/19 1,343

2023/06/16 1,331

2023/06/18 1,290

Verifying data – SQL query to check Distinct product type within the product categories:

2025-04-25 8:58pm2025-05-02 9:44pm+▼

DatabasesWorksheets

Search objects

BRIGHT_TV

COFFEESHOP

SNOWFLAKE

SNOWFLAKE_SAMPLE_DATA

ACCOUNTADMINCOMPUTE_WH (X-Small)Share▶▼

COFFEESHOP.PUBLICSettings

Code Versions

1SELECT

2*

3FROM

4"COFFEESHOP"."PUBLIC"."COFFEE_SHOP"

5

6-----

7SELECT

8PRODUCT_CATEGORY,

9COUNT(DISTINCT PRODUCT_TYPE),

10

11

12FROM

13"COFFEESHOP"."PUBLIC"."COFFEE_SHOP"

14GROUP BY product_category

15

16

17

ResultsChart

	PRODUCT_CATEGORY	COUNT(DISTINCT PRODUCT_TYPE)
1	Coffee	5
2	Tea	4
3	Drinking Chocolate	1
4	Bakery	3
5	Flavours	2
6	Loose Tea	4
7	Coffee beans	6
8	Branded	2
9	Packaged Chocolate	2

Query Details

Query duration2.8s

Rows9

Query ID01bc3218-0000-940d-...

PRODUCT_CATEGORY

100% filled

COUNT(DISTINCT PRODUCT_TYPE)

16

Creating buckets on snowflake:
TIME: Morning, afternoon, evening and night.

2025-04-25 8:58pm2025-05-02 9:44pm+▼

ACCOUNTADMIN

COMPUTE_WH (X-Small)

Share

▶▼

DatabasesWorksheets

Search objects

BRIGHT_TV

COFFEESHOP

SNOWFLAKE

SNOWFLAKE_SAMPLE_DATA

COFFEESHOP.PUBLIC

Settings

Code Versions

Q

1SELECT

2*

3FROM

4"COFFEESHOP"."PUBLIC"."COFFEE_SHOP"

5

6

7SELECT

8transaction_date,

9TO_CHAR(TO_DATE(transaction_date,'YYYY/MM/DD'),'MON')AS month_id,

10COUNT (TRANSACTION_ID)NUMBER_OF_SALES,

11COUNT (PRODUCT_ID)AS UNIQUE_PRODUCTS_SOLD,

12TOTAL_AMOUNT,

13TRANSACTION_QTY,

14PRODUCT_CATEGORY,

15PRODUCT_DETAIL,

16PRODUCT_TYPE,

17STORE_LOCATION,

18CASE

19WHEN TRANSACTION_TIME BETWEEN '06:00:00'AND '11:59:59'THEN 'Morning'

20WHEN TRANSACTION_TIME BETWEEN '12:00:00'AND '16:59:59'THEN 'Afternoon'

21WHEN TRANSACTION_TIME BETWEEN '17:00:00'AND '19:59:59'THEN 'Evening'

22ELSE 'Night'

23END AS TIME_BUCKETS

24FROM

25"COFFEESHOP"."PUBLIC"."COFFEE_SHOP"

26GROUP BY ALL;

27

ResultsChart

TRANSACTION_DATE

MONTH_ID

NUMBER_OF_SALES

UNIQUE_PRODUCTS_SOLD

12023/01/01Jan22

22023/01/01Jan22

32023/01/01Jan11

42023/01/01Jan22

52023/01/01Jan33

62023/01/01Jan11

72023/01/01Jan11

82023/01/01Jan22

92023/01/01Jan11

102023/01/01Jan11

Partial results displayed

Only 10,000 rows of the results are displayed. Please download the results for all of the rows.

Query Details

Query duration19ms

Rows87.2K

Query ID01bc3d1d-0000-94db-...

TRANSACTION_DATE

2023/06/08

651

PM

Download table from Snowflake to Excel csv:

AutoSaveOffBook6 - Excel

Search

LM

CommentsShare

FileHomeInsertPage LayoutFormulasDataReviewViewAutomateHelpAcrobatTable DesignQuery

Table Name:
2025_05_02_9_44

Summarize with PivotTable
Remove Duplicates
Convert to Range

Insert Slicer

Export
Refresh
Open in Browser
Unlink

Properties
Open in Browser
Unlink

Header Row
Total Row
Banded Rows

First Column
Last Column
Banded Columns

Filter Button

Table Style Options

Table Styles

A1

fx

	A	B	C	D	E	F	G	H
1	TRANSACTION_DATE	MONTH_ID	NUMBER_OF_SALES	UNIQUE_PRODUCTS_SOLD	TOTAL_AMOUNT	TRANSACTION_QTY	PRODUCT_CATEGORY	PRODUCT_DETAIL
2	2023/01/01	Jan		2	2	6	2 Coffee	Ethiopia Rg
3	2023/01/01	Jan		2	2	6,2	2 Tea	Spicy Eye Opener Chai Lg
4	2023/01/01	Jan		1	1	9	2 Drinking Chocolate	Dark chocolate Lg
5	2023/01/01	Jan		2	2	2	1 Coffee	Our Old Time Diner Blend Sm
6	2023/01/01	Jan		3	3	3	1 Bakery	Oatmeal Scone
7	2023/01/01	Jan		1	1	4	2 Coffee	Columbian Medium Roast Sn
8	2023/01/01	Jan		1	1	4,25	1 Coffee	Latte Rg
9	2023/01/01	Jan		2	2	2,55	1 Tea	Spicy Eye Opener Chai Rg
10	2023/01/01	Jan		1	1	7	2 Coffee	Ethiopia Lg
11	2023/01/01	Jan		1	1	3	1 Tea	Earl Grey Lg
12	2023/01/01	Jan		2	2	3,1	1 Tea	Spicy Eye Opener Chai Lg
13	2023/01/01	Jan		1	1	6	2 Coffee	Ouro Brasileiro shot
14	2023/01/01	Jan		3	3	6	2 Tea	Serenity Green Tea Lg
15	2023/01/01	Jan		1	1	4,75	1 Drinking Chocolate	Sustainably Grown Organic L
16	2023/01/01	Jan		2	2	7	2 Coffee	Ethiopia Lg
17	2023/01/01	Jan		3	3	5,1	2 Tea	Spicy Eye Opener Chai Rg
18	2023/01/01	Jan		1	1	2,55	1 Tea	Spicy Eye Opener Chai Rg
19	2023/01/01	Jan		1	1	3	1 Tea	Lemon Grass Lg
20	2023/01/01	Jan		3	3	6	2 Tea	Peppermint Lg
21	2023/01/01	Jan		3	3	3,75	1 Bakery	Chocolate Croissant
22	2023/01/01	Jan		4	4	7,5	2 Coffee	Cappuccino
23	2023/01/01	Jan		1	1	7	2 Coffee	Brazilian Lg
24	2023/01/01	Jan		1	1	5	2 Coffee	Columbian Medium Roast Rg
25	2023/01/01	Jan		4	4	2,5	1 Tea	Morning Sunrise Chai Rg
26	2023/01/01	Jan		1	1	4,5	1 Bakery	Scottish Cream Scone
27	2023/01/01	Jan		1	1	2,5	1 Tea	English Breakfast Rg
28	2023/01/01	Jan		1	1	2	1 Coffee	Our Old Time Diner Blend Lg

Queries & Connections

QueriesConnections

1 query

2025-05-02 9_44pm (2)

87 166 rows loaded.

2. Editing the Excel sheet with Power Query to separate Product Detail column to:

- **Lg – Large**
- **Rg – Regular**
- **Sm - Small**

The screenshot displays the Power Query Editor window. The main area shows a data table with columns: TRANSACTION_QTY, PRODUCT_CATEGORY, PRODUCT_DETAIL, PRODUCT_TYPE, STORE_LOCATION, and TIME_BUCKETS. The data is organized into rows, with some rows having multiple entries for the same product category.

An "Add Conditional Column" dialog box is open, allowing the user to create a new conditional column. The dialog includes fields for "New column name" (set to "Custom"), "Column Name", "Operator", "Value", and "Output". The "If" condition is set to "ABC 123", and the "Then" output is also set to "ABC 123".

The "Query Settings" pane on the right shows the "APPLIED STEPS" list, which includes "Source", "Promoted Headers", and "Changed Type".

TRANSACTION_QTY	PRODUCT_CATEGORY	PRODUCT_DETAIL	PRODUCT_TYPE	STORE_LOCATION	TIME_BUCKETS
6					
6,2					
9					
2					
3					
4					
4,25					
2,55					
7					
3					
3,1					
6					
6					
4,75					
7					
5,1					
2,55					
3					
6					
3,75	1 Bakery	Chocolate Croissant	Pastry	Lower Manhattan	Morning
7,5	2 Coffee	Cappuccino	Barista Espresso	Hell's Kitchen	Morning
7	2 Coffee	Brazilian Lg	Organic brewed coffee	Lower Manhattan	Morning
5	2 Coffee	Columbian Medium Roast Rg	Gourmet brewed coffee	Lower Manhattan	Morning
2,5	1 Tea	Morning Sunrise Chai Rg	Brewed Chai tea	Hell's Kitchen	Morning
4,5	1 Bakery	Scottish Cream Scone	Scone	Lower Manhattan	Morning
2,5	1 Tea	English Breakfast Rg	Brewed Black tea	Lower Manhattan	Morning
3	1 Coffee	Our Old Time Diner Blend Lg	Drip coffee	Lower Manhattan	Morning

2025-05-02 9_44pm (2) - Power Query Editor

FileHomeTransformAdd ColumnView

Column From ExamplesCustom ColumnInvoke FunctionCustom FunctionGeneral

Conditional ColumnIndex ColumnDuplicate Column

FormatABC123ExtractParseFrom Text

Statistics Standard Scientific10²TrigonometryRoundingInformationFrom Number

DateTimeDurationFrom Date & Time

Queries [1]

2025-05-02 9_44pm (...)

123

TRANSACTION_QTY

ABC

PRODUCT_CATEGORY

ABC

PRODUCT_DETAIL

ABC

PRODUCT_TYPE

ABC

STORE_LOCATION

ABC

TIME_BUCKETS

1	6									
2	6,2									
3	9									
4	2									
5	3									
6	4									
7	4,25									
8	2,55									
9	7									
10	3									
11	3,1									
12	6									
13	6									
14	4,75									
15	7									
16	5,1									
17	2,55									
18	3									
19	6									
20	3,75									
21	7,5									
22	7									
23	5	2	Coffee	Columbian Medium Roast Rg	Gourmet brewed coffee	Lower Manhattan	Morning			
24	2,5	1	Tea	Morning Sunrise Chai Rg	Brewed Chai tea	Hell's Kitchen	Morning			
25	4,5	1	Bakery	Scottish Cream Scone	Scone	Lower Manhattan	Morning			
26	2,5	1	Tea	English Breakfast Rg	Brewed Black tea	Lower Manhattan	Morning			
27	3	1	Coffee	Our Old Time Diner Blend Lg	Drip coffee	Lower Manhattan	Morning			
28										

Add Conditional Column

Add a conditional column that is computed from the other columns or values.

New column name
Size

	Column Name	Operator	Value		Output
If	PRODUCT_DETAIL	contains	ABC123	Lg	Then ABC123 Large
Else If	PRODUCT_DETAIL	contains	ABC123	Rg	Then ABC123 Regular
Else If	PRODUCT_DETAIL	contains	ABC123	Sm	Then ABC123 Small

Add Clause

Else

ABC123

Not defined

OK

Cancel

Query Settings

PROPERTIES

Name
2025-05-02 9_44pm (2)
All Properties

APPLIED STEPS

Source
Promoted Headers
X Changed Type

Renaming the Product Detail column with Power Query to remove the Lg, Rg and Sm as a separate tab was created for the Size classification.

2025-05-02 9_44pm (2) - Power Query Editor

FileHomeTransformAdd ColumnView

Group ByUse First Row as HeadersCount Rows

Table

TransposeReverse Rows

Count Rows

Data Type: TextDetect Data TypeRename

Any Column

Replace ValuesReplace Values

Pivot Column

Unpivot ColumnsMoveConvert to List

Split ColumnFormat

Text Column

Merge ColumnsABC 123 ExtractParse

StatisticsStandard Scientific

Number Column

TrigonometryRoundingInformation

DateTimeDuration

Date & Time Column

ExpandAggregateExtract ValuesCreate Data Type

Structured Column

Queries [1]

2025-05-02 9_44pm (...)

Table.ReplaceValue("#Replaced Value","Lg","",Replacer.ReplaceText,{"PRODUCT_DETAIL"})

N_QTY	PRODUCT_CATEGORY	PRODUCT_DETAIL	PRODUCT_TYPE	STORE_LOCATION	TIME_BUCKETS	Size
1	2 Coffee	Ethiopia	Gourmet brewed coffee	Lower Manhattan	Morning	Regular
2	2 Tea	Spicy Eye Opener Chai	Brewed Chai tea	Lower Manhattan	Morning	Large
3	2 Drinking Chocolate	Dark chocolate	Hot chocolate	Lower Manhattan	Morning	Large
4	1 Coffee					Small
5	1 Bakery					Not defined
6	2 Coffee					Small
7	1 Coffee					Regular
8	1 Tea					Regular
9	2 Coffee					Large
10	1 Tea					Large
11	1 Tea					Large
12	2 Coffee					Not defined
13	2 Tea					Large
14	1 Drinking Chocolate					Large
15	2 Coffee					Large
16	2 Tea					Regular
17	1 Tea					Regular
18	1 Tea	Lemon Grass	Brewed herbal tea	Lower Manhattan	Morning	Large
19	2 Tea	Peppermint	Brewed herbal tea	Lower Manhattan	Morning	Large
20	1 Bakery	Chocolate Croissant	Pastry	Lower Manhattan	Morning	Not defined
21	2 Coffee	Cappuccino	Barista Espresso	Hell's Kitchen	Morning	Not defined
22	2 Coffee	Brazilian	Organic brewed coffee	Lower Manhattan	Morning	Large
23	2 Coffee	Columbian Medium Roast	Gourmet brewed coffee	Lower Manhattan	Morning	Regular
24	1 Tea	Morning Sunrise Chai	Brewed Chai tea	Hell's Kitchen	Morning	Regular
25	1 Bakery	Scottish Cream Scone	Scone	Lower Manhattan	Morning	Not defined
26	1 Tea	English Breakfast	Brewed Black tea	Lower Manhattan	Morning	Regular
27	1 Coffee	Our Old Time Diner Blend	Drip coffee	Lower Manhattan	Morning	Large

Replace Values

Replace one value with another in the selected columns.

Value To Find

Sm

Replace With

Advanced options

OKCancel

Query Settings

PROPERTIES

Name

2025-05-02 9_44pm (2)

All Properties

APPLIED STEPS

Source

Promoted Headers

Changed Type

Added Conditional Column

Replaced Value

Replaced Value1

2025-05-02 9_44pm (2) - Power Query Editor

File

Home

Transform

Add Column

View

Column From Examples

Custom Column

Invoke Function

Custom Function

Conditional Column

Index Column

Duplicate Column

Format

ABC123

Extract

Parse

Merge Columns

Statistics

Standard

Scientific

10²

Trigonometry

Rounding

Information

Date

Time

Duration

From Text

From Number

From Date & Time

Queries [1]
2025-05-02 9_44pm (...)

fx

= Table.AddColumn(#"Changed Type1", "Day Name", each Date.DayOfWeekName([TRANSACTION_DATE]), type text)

	GROUP	PRODUCT_DETAIL	PRODUCT_TYPE	STORE_LOCATION	TIME_BUCKETS	Size	Day Name
1		Ethiopia	Gourmet brewed coffee	Lower Manhattan	Morning	Regular	Sunday
2		Spicy Eye Opener Chai	Brewed Chai tea	Lower Manhattan	Morning	Large	Sunday
3		Dark chocolate	Hot chocolate	Lower Manhattan	Morning	Large	Sunday
4		Our Old Time Diner Blend	Drip coffee	Lower Manhattan	Morning	Small	Sunday
5		Oatmeal Scone	Scone	Lower Manhattan	Morning	Not defined	Sunday
6		Columbian Medium Roast	Gourmet brewed coffee	Lower Manhattan	Morning	Small	Sunday
7		Latte	Barista Espresso	Lower Manhattan	Morning	Regular	Sunday
8		Spicy Eye Opener Chai	Brewed Chai tea	Lower Manhattan	Morning	Regular	Sunday
9		Ethiopia	Gourmet brewed coffee	Lower Manhattan	Morning	Large	Sunday
10		Earl Grey	Brewed Black tea	Lower Manhattan	Morning	Large	Sunday
11		Spicy Eye Opener Chai	Brewed Chai tea	Lower Manhattan	Morning	Large	Sunday
12		Ouro Brasileiro shot	Barista Espresso	Lower Manhattan	Morning	Not defined	Sunday
13		Serenity Green Tea	Brewed Green tea	Lower Manhattan	Morning	Large	Sunday
14		Sustainably Grown Organic	Hot chocolate	Hell's Kitchen	Morning	Large	Sunday
15		Ethiopia	Gourmet brewed coffee	Hell's Kitchen	Morning	Large	Sunday
16		Spicy Eye Opener Chai	Brewed Chai tea	Lower Manhattan	Morning	Regular	Sunday
17		Spicy Eye Opener Chai	Brewed Chai tea	Hell's Kitchen	Morning	Regular	Sunday
18		Lemon Grass	Brewed herbal tea	Lower Manhattan	Morning	Large	Sunday
19		Peppermint	Brewed herbal tea	Lower Manhattan	Morning	Large	Sunday
20		Chocolate Croissant	Pastry	Lower Manhattan	Morning	Not defined	Sunday
21		Cappuccino	Barista Espresso	Hell's Kitchen	Morning	Not defined	Sunday
22		Brazilian	Organic brewed coffee	Lower Manhattan	Morning	Large	Sunday
23		Columbian Medium Roast	Gourmet brewed coffee	Lower Manhattan	Morning	Regular	Sunday
24		Morning Sunrise Chai	Brewed Chai tea	Hell's Kitchen	Morning	Regular	Sunday
25		Scottish Cream Scone	Scone	Lower Manhattan	Morning	Not defined	Sunday
26		English Breakfast	Brewed Black tea	Lower Manhattan	Morning	Regular	Sunday
27		Our Old Time Diner Blend	Drip coffee	Lower Manhattan	Morning	Large	Sunday

Query Settings

PROPERTIES

Name
2025-05-02 9_44pm (2)
[All Properties](#)

APPLIED STEPS

Source

Promoted Headers

Changed Type

Added Conditional Column

Replaced Value

Replaced Value1

Replaced Value2

Changed Type1

Inserted Day Name

Created Month name column with Power Query: Jan, Feb, Mar, Apr, May and Jun:

2025-05-02 9_44pm (2) - Power Query Editor

File

Home

Transform

Add Column

View

Column From Examples

Custom Column

Invoke Function

Custom Function

Conditional Column

Index Column

Duplicate Column

Format

ABC 123 Extract

abc Parse

Merge Columns

Statistics

Standard

Scientific

10²

10⁰⁰

10⁺⁰

Trigonometry

Rounding

Information

Date

Time

Duration

General

From Text

From Number

From Date & Time

Queries [1]

2025-05-02 9_44pm (...)

fx

= Table.AddColumn("#Removed Columns", "Month Name", each Date.MonthName([TRANSACTION_DATE]), type text)

1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	6	2	Coffee	Ethiopia Rg	Gourmet brewed coffee	Lower Manhattan	Morning	January
2	2	6,2	2	Tea	Spicy Eye Opener Chai Lg	Brewed Chai tea	Lower Manhattan	Morning	January
3	1	9	2	Drinking Chocolate	Dark chocolate Lg	Hot chocolate	Lower Manhattan	Morning	January
4	2	2	1	Coffee	Our Old Time Diner Blend Sm	Drip coffee	Lower Manhattan	Morning	January
5	3	3	1	Bakery	Oatmeal Scone	Scone	Lower Manhattan	Morning	January
6	1	4	2	Coffee	Columbian Medium Roast Sm	Gourmet brewed coffee	Lower Manhattan	Morning	January
7	1	4,25	1	Coffee	Latte Rg	Barista Espresso	Lower Manhattan	Morning	January
8	2	2,55	1	Tea	Spicy Eye Opener Chai Rg	Brewed Chai tea	Lower Manhattan	Morning	January
9	1	7	2	Coffee	Ethiopia Lg	Gourmet brewed coffee	Lower Manhattan	Morning	January
10	1	3	1	Tea	Earl Grey Lg	Brewed Black tea	Lower Manhattan	Morning	January
11	2	3,1	1	Tea	Spicy Eye Opener Chai Lg	Brewed Chai tea	Lower Manhattan	Morning	January
12	1	6	2	Coffee	Ouro Brasileiro shot	Barista Espresso	Lower Manhattan	Morning	January
13	3	6	2	Tea	Serenity Green Tea Lg	Brewed Green tea	Lower Manhattan	Morning	January
14	1	4,75	1	Drinking Chocolate	Sustainably Grown Organic Lg	Hot chocolate	Hell's Kitchen	Morning	January
15	2	7	2	Coffee	Ethiopia Lg	Gourmet brewed coffee	Hell's Kitchen	Morning	January
16	3	5,1	2	Tea	Spicy Eye Opener Chai Rg	Brewed Chai tea	Lower Manhattan	Morning	January
17	1	2,55	1	Tea	Spicy Eye Opener Chai Rg	Brewed Chai tea	Hell's Kitchen	Morning	January
18	1	3	1	Tea	Lemon Grass Lg	Brewed herbal tea	Lower Manhattan	Morning	January
19	3	6	2	Tea	Peppermint Lg	Brewed herbal tea	Lower Manhattan	Morning	January
20	3	3,75	1	Bakery	Chocolate Croissant	Pastry	Lower Manhattan	Morning	January
21	4	7,5	2	Coffee	Cappuccino	Barista Espresso	Hell's Kitchen	Morning	January
22	1	7	2	Coffee	Brazilian Lg	Organic brewed coffee	Lower Manhattan	Morning	January
23	1	5	2	Coffee	Columbian Medium Roast Rg	Gourmet brewed coffee	Lower Manhattan	Morning	January
24	4	2,5	1	Tea	Morning Sunrise Chai Rg	Brewed Chai tea	Hell's Kitchen	Morning	January
25	1	4,5	1	Bakery	Scottish Cream Scone	Scone	Lower Manhattan	Morning	January

Creating Day names coloumn: Monday, Tuesday, Wednesday etc.

File

Home

Transform

Add Column

View

Column From Examples

Custom Column

Invoke Custom Function

Conditional Column

Index Column

Duplicate Column

Format

From Text

Merge Columns

Extract

Parse

Statistics

Standard

Scientific

From Number

Trigonometry

Rounding

Information

From Date & Time

Date

Time

Duration

Queries [1]

2025-05-02 9_44pm (...)

Table.RemoveColumns("#Changed Type",{ "MONTH_ID"})

	TRANSACTION_DATE	NUMBER_OF_SALES	UNIQUE_PRODUCTS_S...	TOTAL_AMOUNT	TRANSACTION_QTY	PRODUCT_CATEGORY	PRODUCT_DETAIL	PRODUCT_TYPE	STORE_LOCATION
1	2023/01/01	2	2	6	2	Coffee	Ethiopia Rg	Gourmet brewed coffee	Lower Manhattan
2	2023/01/01	2	2	6,2	2	Tea	Spicy Eye Opener Chai Lg	Brewed Chai tea	Lower Manhattan
3	2023/01/01	1	1	9	2	Drinking Chocolate	Dark chocolate Lg	Hot chocolate	Lower Manhattan
4	2023/01/01	2	2	2	1	Coffee	Our Old Time Diner Blend Sm	Drip coffee	Lower Manhattan
5	2023/01/01	3	3	3	1	Bakery	Oatmeal Scone	Scone	Lower Manhattan
6	2023/01/01	1	1	4	2	Coffee	Columbian Medium Roast Sm	Gourmet brewed coffee	Lower Manhattan
7	2023/01/01	1	1	4,25	1	Coffee	Latte Rg	Barista Espresso	Lower Manhattan
8	2023/01/01	2	2	2,55	1	Tea	Spicy Eye Opener Chai Rg	Brewed Chai tea	Lower Manhattan
9	2023/01/01	1	1	7	2	Coffee	Ethiopia Lg	Gourmet brewed coffee	Lower Manhattan
10	2023/01/01	1	1	3	1	Tea	Earl Grey Lg	Brewed Black tea	Lower Manhattan
11	2023/01/01	2	2	3,1	1	Tea	Spicy Eye Opener Chai Lg	Brewed Chai tea	Lower Manhattan
12	2023/01/01	1	1	6	2	Coffee	Ouro Brasileiro shot	Barista Espresso	Lower Manhattan
13	2023/01/01	3	3	6	2	Tea	Serenity Green Tea Lg	Brewed Green tea	Lower Manhattan
14	2023/01/01	1	1	4,75	1	Drinking Chocolate	Sustainably Grown Organic Lg	Hot chocolate	Hell's Kitchen
15	2023/01/01	2	2	7	2	Coffee	Ethiopia Lg	Gourmet brewed coffee	Hell's Kitchen
16	2023/01/01	3	3	5,1	2	Tea	Spicy Eye Opener Chai Rg	Brewed Chai tea	Lower Manhattan
17	2023/01/01	1	1	2,55	1	Tea	Spicy Eye Opener Chai Rg	Brewed Chai tea	Hell's Kitchen
18	2023/01/01	1	1	3	1	Tea	Lemon Grass Lg	Brewed herbal tea	Lower Manhattan
19	2023/01/01	3	3	6	2	Tea	Peppermint Lg	Brewed herbal tea	Lower Manhattan
20	2023/01/01	3	3	3,75	1	Bakery	Chocolate Croissant	Pastry	Lower Manhattan
21	2023/01/01	4	4	7,5	2	Coffee	Cappuccino	Barista Espresso	Hell's Kitchen
22	2023/01/01	1	1	7	2	Coffee	Brazilian Lg	Organic brewed coffee	Lower Manhattan
23	2023/01/01	1	1	5	2	Coffee	Columbian Medium Roast Rg	Gourmet brewed coffee	Lower Manhattan
24	2023/01/01	1	1	3,5	1	Tea	Assam Breakfast Blend Rg	Brewed Chai tea	Hell's Kitchen

2025-05-02 9:44pm (2) - Power Query Editor

FileHomeTransformAdd ColumnView

Column From ExamplesCustom From ColumnInvoke Custom Function

Conditional ColumnIndex ColumnDuplicate Column

FormatABC123Parse

Merge Columns

StatisticsStandardScientific

TrigonometryRoundingInformation

DateTimeDuration

GeneralFrom TextFrom NumberFrom Date & Time

Queries [1]
2025-05-02 9:44pm (...)

fx

= Table.AddColumn(#"Inserted Month Name", "Day Name", each Date.DayOfWeekName([TRANSACTION_DATE]), type text)

	ITAL_AMOUNT	TRANSACTION_QTY	PRODUCT_CATEGORY	PRODUCT_DETAIL	PRODUCT_TYPE	STORE_LOCATION	TIME_BUCKETS	Month Name	Day Name
1	6	2	Coffee	Ethiopia Rg	Gourmet brewed coffee	Lower Manhattan	Morning	January	Sunday
2	6,2	2	Tea	Spicy Eye Opener Chai Lg	Brewed Chai tea	Lower Manhattan	Morning	January	Sunday
3	9	2	Drinking Chocolate	Dark chocolate Lg	Hot chocolate	Lower Manhattan	Morning	January	Sunday
4	2	1	Coffee	Our Old Time Diner Blend Sm	Drip coffee	Lower Manhattan	Morning	January	Sunday
5	3	1	Bakery	Oatmeal Scone	Scone	Lower Manhattan	Morning	January	Sunday
6	4	2	Coffee	Columbian Medium Roast Sm	Gourmet brewed coffee	Lower Manhattan	Morning	January	Sunday
7	4,25	1	Coffee	Latte Rg	Barista Espresso	Lower Manhattan	Morning	January	Sunday
8	2,55	1	Tea	Spicy Eye Opener Chai Rg	Brewed Chai tea	Lower Manhattan	Morning	January	Sunday
9	7	2	Coffee	Ethiopia Lg	Gourmet brewed coffee	Lower Manhattan	Morning	January	Sunday
10	3	1	Tea	Earl Grey Lg	Brewed Black tea	Lower Manhattan	Morning	January	Sunday
11	3,1	1	Tea	Spicy Eye Opener Chai Lg	Brewed Chai tea	Lower Manhattan	Morning	January	Sunday
12	6	2	Coffee	Ouro Brasileiro shot	Barista Espresso	Lower Manhattan	Morning	January	Sunday
13	6	2	Tea	Serenity Green Tea Lg	Brewed Green tea	Lower Manhattan	Morning	January	Sunday
14	4,75	1	Drinking Chocolate	Sustainably Grown Organic Lg	Hot chocolate	Hell's Kitchen	Morning	January	Sunday
15	7	2	Coffee	Ethiopia Lg	Gourmet brewed coffee	Hell's Kitchen	Morning	January	Sunday
16	5,1	2	Tea	Spicy Eye Opener Chai Rg	Brewed Chai tea	Lower Manhattan	Morning	January	Sunday
17	2,55	1	Tea	Spicy Eye Opener Chai Rg	Brewed Chai tea	Hell's Kitchen	Morning	January	Sunday
18	3	1	Tea	Lemon Grass Lg	Brewed herbal tea	Lower Manhattan	Morning	January	Sunday
19	6	2	Tea	Peppermint Lg	Brewed herbal tea	Lower Manhattan	Morning	January	Sunday
20	3,75	1	Bakery	Chocolate Croissant	Pastry	Lower Manhattan	Morning	January	Sunday
21	7,5	2	Coffee	Cappuccino	Barista Espresso	Hell's Kitchen	Morning	January	Sunday
22	7	2	Coffee	Brazilian Lg	Organic brewed coffee	Lower Manhattan	Morning	January	Sunday
23	5	2	Coffee	Columbian Medium Roast Rg	Gourmet brewed coffee	Lower Manhattan	Morning	January	Sunday
24	2,5	1	Tea	Morning Sunrise Chai Rg	Brewed Chai tea	Hell's Kitchen	Morning	January	Sunday
25	4,5	1	Bakery	Scottish Cream Scone	Scone	Lower Manhattan	Morning	January	Sunday
26	2,5	1	Tea	English Breakfast Rg	Brewed Black tea	Lower Manhattan	Morning	January	Sunday
27	3	1	Coffee	Our Old Time Diner Blend Lg	Drip coffee	Lower Manhattan	Morning	January	Sunday
28	2	1	Coffee	Our Old Time Diner Blend Sm	Drip coffee	Hell's Kitchen	Morning	January	Sunday

Query Settings

PROPERTIES

Name
2025-05-02 9:44pm (2)
All Properties

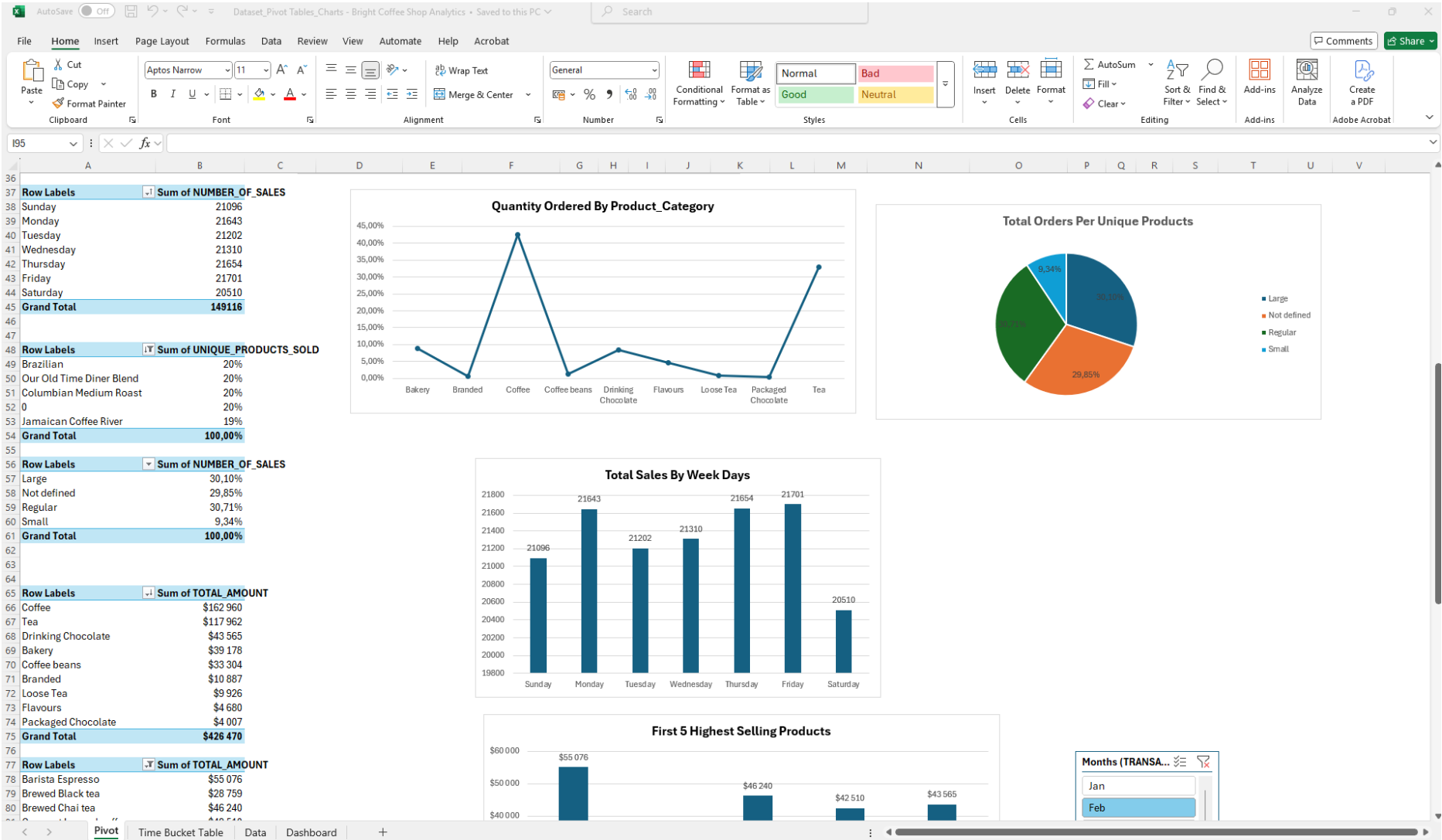
APPLIED STEPS

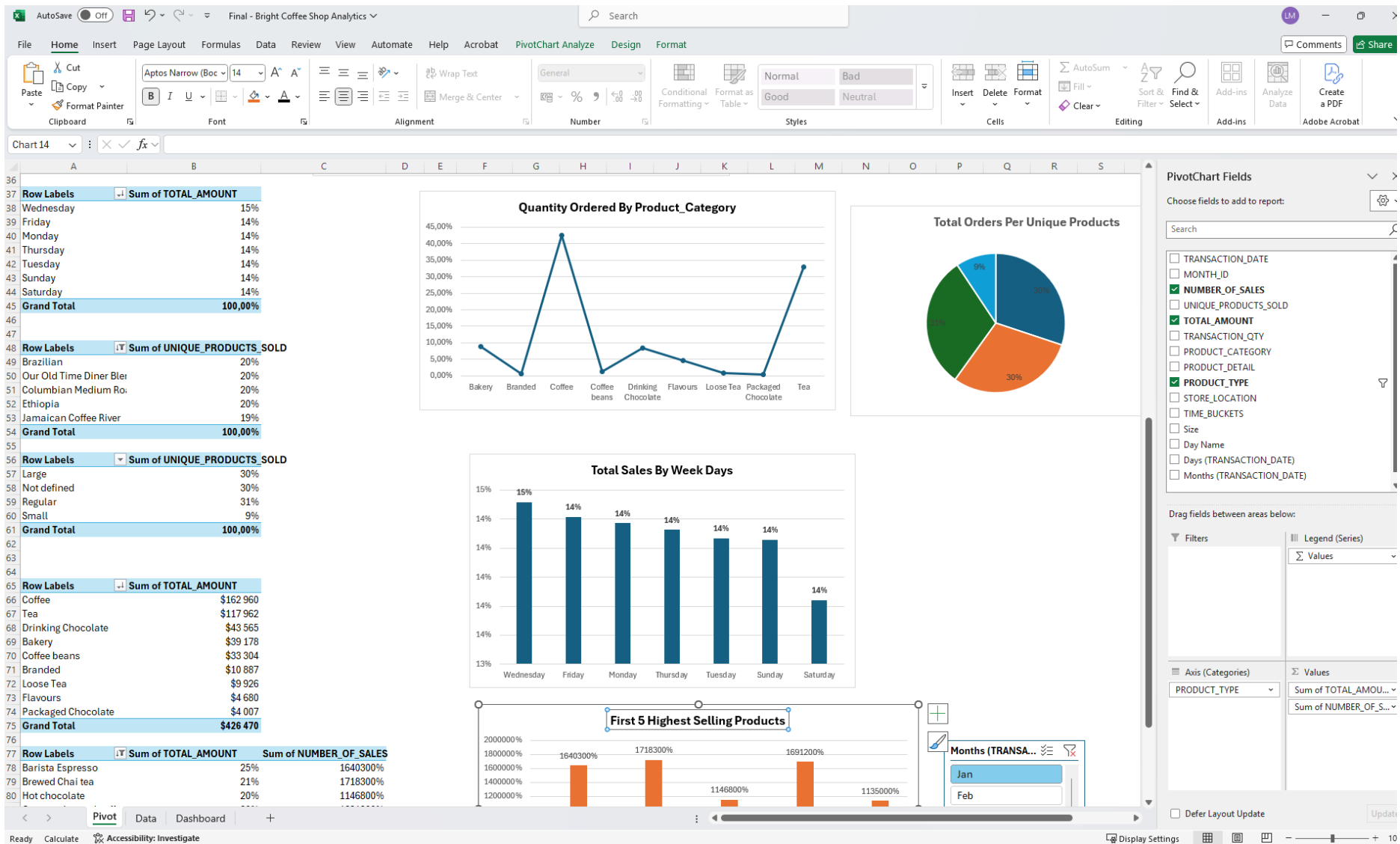
Source
Promoted Headers
Changed Type
Removed Columns
Inserted Month Name
X Inserted Day Name

Processed Dataset on Excel Spreadsheet with Pivot Tables & Charts:

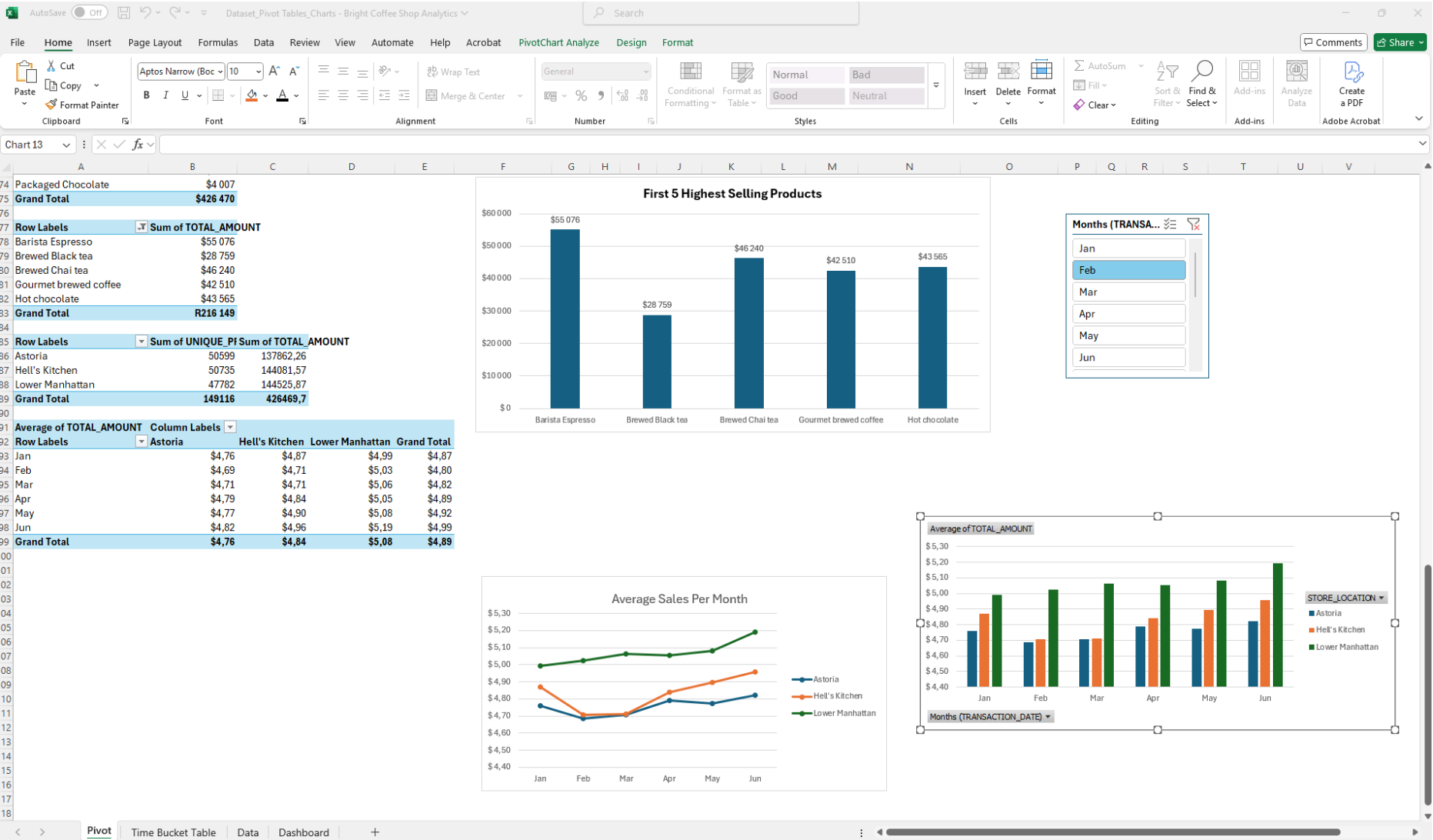
AutoSave Off		Book1 - Excel		Search	
File		Home	Insert	Page Layout	Formulas
Data		Review	View	Automate	Help
Table Design		Query			
Get Data		From Text/CSV	From Web	From Table/Range	From Picture
Recent Sources		Existing Connections		Queries & Connections	
Refresh All		Properties		Workbook Links	
Get & Transform Data		Queries & Connections		Data Types	
Stocks		Currencies	Geography	Sort	
Filter		Clear		Reapply	
Advanced		Text to Columns		Flash Fill	
Remove Duplicates		Data Validation		Consolidate	
Data Model		Wh		Anal	
H39		Hot chocolate			
TRANSACTION DATE		NUMBER OF SALES	UNIQUE PRODUCTS SOLD	TOTAL AMOUNT	TRANSACTION QTY
PRODUCT CATEGORY		PRODUCT DETAIL		PRODUCT TYPE	STORE LOCATION
TIME BUCKETS		Month Name	Day Name		
2023/01/01		2	2	6	2 Coffee
2023/01/01		2	2	6.2	2 Tea
2023/01/01		1	1	9	2 Drinking Chocolate
2023/01/01		2	2	2	1 Coffee
2023/01/01		3	3	3	1 Bakery
2023/01/01		1	1	4	2 Coffee
2023/01/01		1	1	4.25	1 Coffee
2023/01/01		2	2	2.55	1 Tea
2023/01/01		1	1	7	2 Coffee
2023/01/01		1	1	3	1 Tea
2023/01/01		2	2	3.1	1 Tea
2023/01/01		1	1	6	2 Coffee
2023/01/01		3	3	6	2 Tea
2023/01/01		1	1	4.75	1 Drinking Chocolate
2023/01/01		2	2	7	2 Coffee
2023/01/01		3	3	5.1	2 Tea
2023/01/01		1	1	2.55	1 Tea
2023/01/01		1	1	3	1 Tea
2023/01/01		3	3	6	2 Tea
2023/01/01		3	3	3.75	1 Bakery
2023/01/01		4	4	7.5	2 Coffee
2023/01/01		1	1	7	2 Coffee
2023/01/01		1	1	5	2 Coffee
2023/01/01		4	4	2.5	1 Tea
2023/01/01		1	1	4.5	1 Bakery
2023/01/01		1	1	2.5	1 Tea
2023/01/01		1	1	3	1 Coffee
2023/01/01		1	1	2	1 Coffee
2023/01/01		1	1	6	2 Tea
2023/01/01		1	1	3.1	1 Coffee
2023/01/01		2	2	6	2 Tea
2023/01/01		1	1	8.5	2 Coffee
2023/01/01		1	1	2.2	1 Coffee
2023/01/01		1	1	5	2 Tea
2023/01/01		1	1	6	2 Coffee
2023/01/01		2	2	3.5	1 Bakery
2023/01/01		4	4	5	2 Tea
2023/01/01		1	1	4.5	1 Drinking Chocolate
2023/01/01		1	1	4.5	1 Bakery
2023/01/01		2	2	5	2 Tea
2023/01/01		1	1	8	2 Tea
2023/01/01		2	2	3	1 Coffee
2023/01/01		1	1	3.1	1 Coffee
2023/01/01		1	1	5	2 Coffee

Pivot table & Charts:





Excel Pivot Tables & Charts:



Dashboard:

