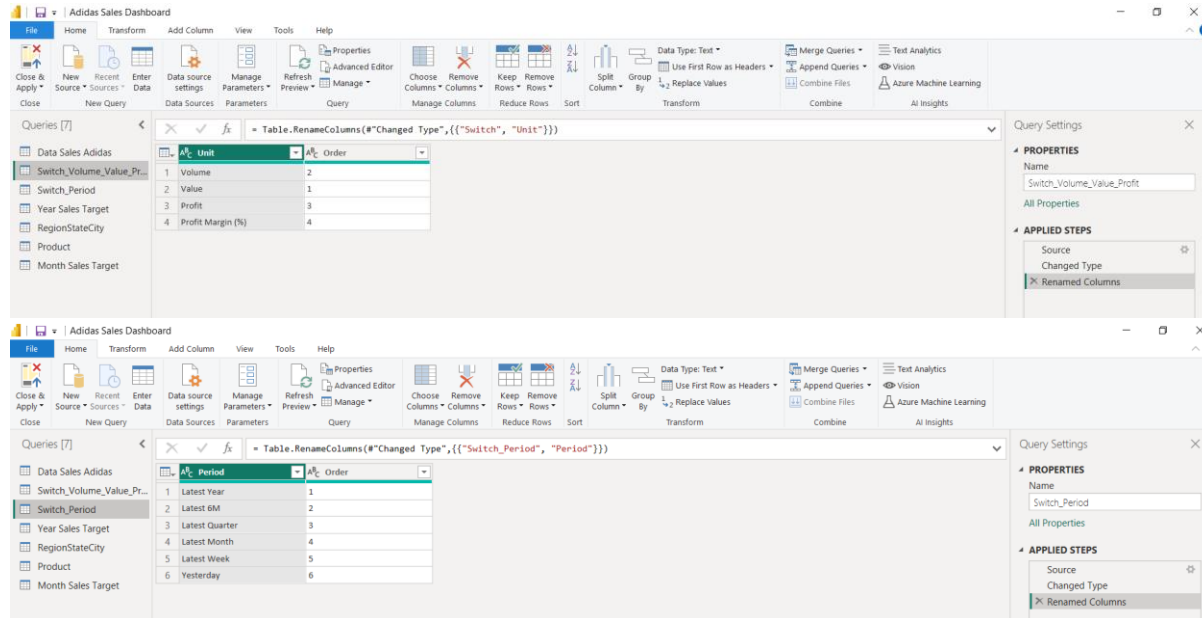


This file aims to explain the how-to of the Adidas Sales Dashboard technical highlight.

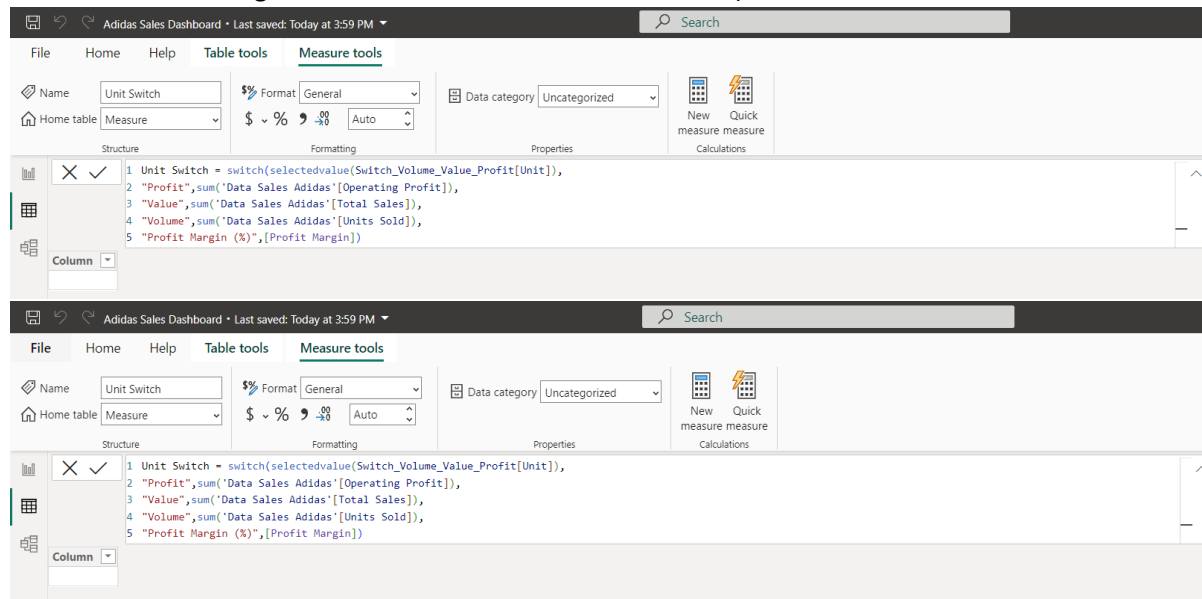
1. Views in different unit measure and period (using measure table)
 - Refer source: <https://endjin.com/blog/2022/06/how-to-dynamically-switch-between-measures-in-power-bi-visuals-with-field-parameters>

- Steps:

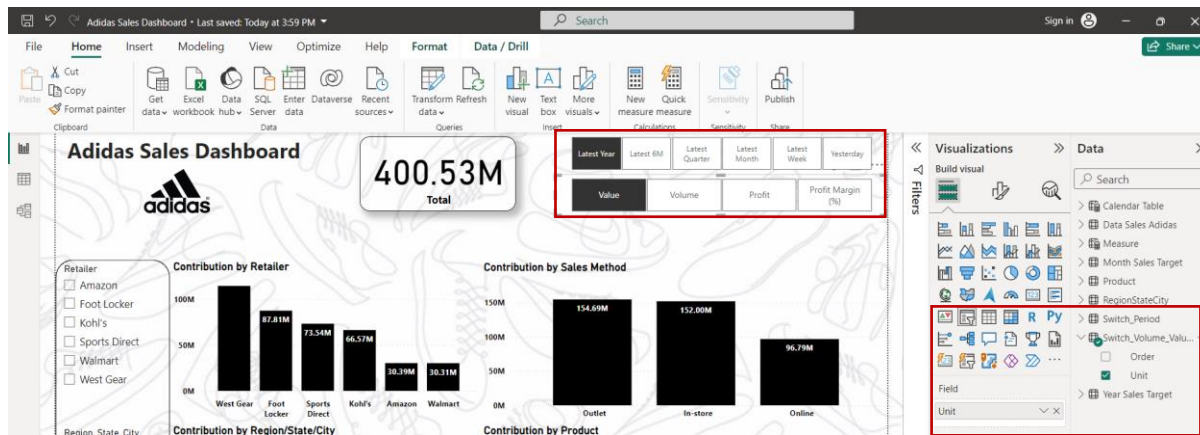
- Create table for unit measure and period in Power Query



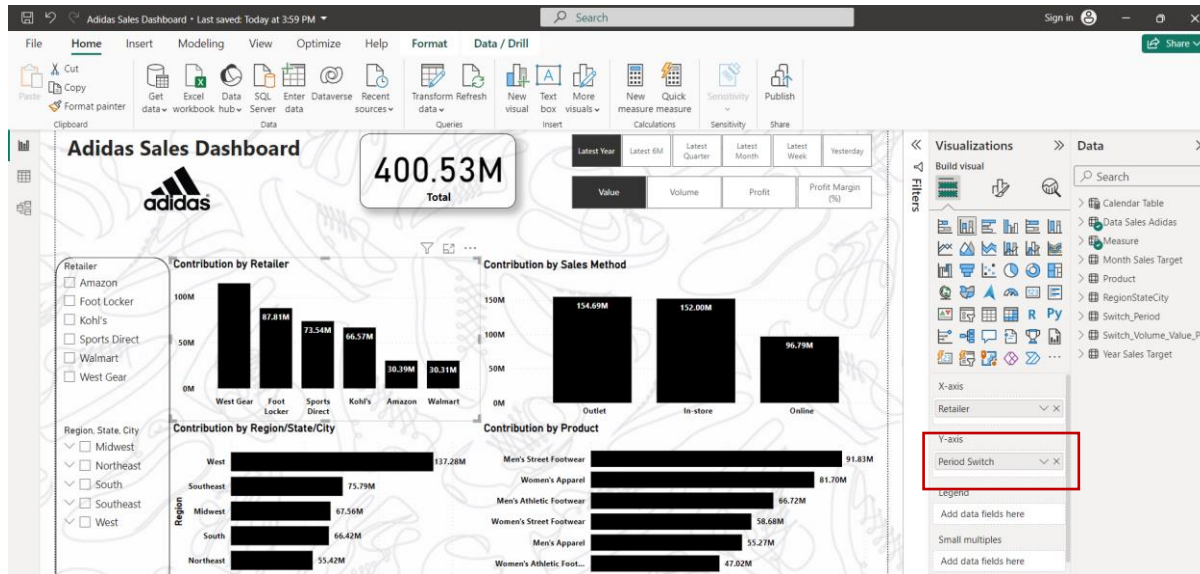
- Create measure using DAX formula switch and selected value)



- Create slicer in dashboard with unit column from unit table



- Use the period switch measure created in step 2 for the value in graphs



2. Model actual and target data tables

- <https://databear.com/adding-targets-in-power-bi-report/>

Steps:

- Target: clean target table into long form:
 - Monthly: each row is a store/product/month

Adidas Sales Dashboard

Query: Table.TransformColumnTypes(Merged Columns, ({'Product', type text}, {'Month', type datetime}, {'Target', type number}))

StoreCode	Product	Month	Target
Midwest-Illinois-Chicago	Men's Apparel	31/01/2024 00:00:00	82450.49793
Midwest-Illinois-Chicago	Men's Apparel	28/02/2024 00:00:00	76080.40463
Midwest-Illinois-Chicago	Men's Apparel	31/03/2024 00:00:00	89586.93954
Midwest-Illinois-Chicago	Men's Apparel	30/04/2024 00:00:00	124824.1413
Midwest-Illinois-Chicago	Men's Apparel	31/05/2024 00:00:00	85820.13472
Midwest-Illinois-Chicago	Men's Apparel	30/06/2024 00:00:00	64791.08814
Midwest-Illinois-Chicago	Men's Apparel	31/07/2024 00:00:00	86976.70694
Midwest-Illinois-Chicago	Men's Apparel	31/08/2024 00:00:00	100835.1761
Midwest-Illinois-Chicago	Men's Apparel	30/09/2024 00:00:00	92853.04785
Midwest-Illinois-Chicago	Men's Apparel	31/10/2024 00:00:00	54969.22189
Midwest-Illinois-Chicago	Men's Apparel	30/11/2024 00:00:00	43738.40497
Midwest-Illinois-Chicago	Men's Apparel	31/12/2024 00:00:00	40716.22287
Midwest-Illinois-Chicago	Men's Athletic Footwear	31/01/2024 00:00:00	116654.0512
Midwest-Illinois-Chicago	Men's Athletic Footwear	28/02/2024 00:00:00	107641.4053
Midwest-Illinois-Chicago	Men's Athletic Footwear	31/03/2024 00:00:00	126750.9566
Midwest-Illinois-Chicago	Men's Athletic Footwear	30/04/2024 00:00:00	176626.8601

- Daily: each row is a store/product/day in month (split equally from the month target)

Adidas Sales Dashboard

File Home Transform Add Column View Tools Help

Close & Apply New Source Recent Enter Data Data source settings Data Sources Parameters Query Properties Advanced Editor Choose Remove Columns Keep Remove Rows Split Column Group By Data Type: Text Merge Queries Append Queries Combine Files Vision Azure Machine Learning

Queries [7] This preview may be up to 7 days old. Refresh

Table.TransformColumns(#"Removed Columns", {"Target", each _ / 30, type number})

StoreCode	Product	Target	Date
1 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	01/06/2024
2 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	02/06/2024
3 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	03/06/2024
4 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	04/06/2024
5 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	05/06/2024
6 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	06/06/2024
7 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	07/06/2024
8 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	08/06/2024
9 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	09/06/2024
10 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	10/06/2024
11 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	11/06/2024
12 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	12/06/2024
13 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	13/06/2024
14 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	14/06/2024
15 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	15/06/2024
16 Midwest-Illinois-Chicago	Men's Apparel	1493.036271	16/06/2024

Query Settings

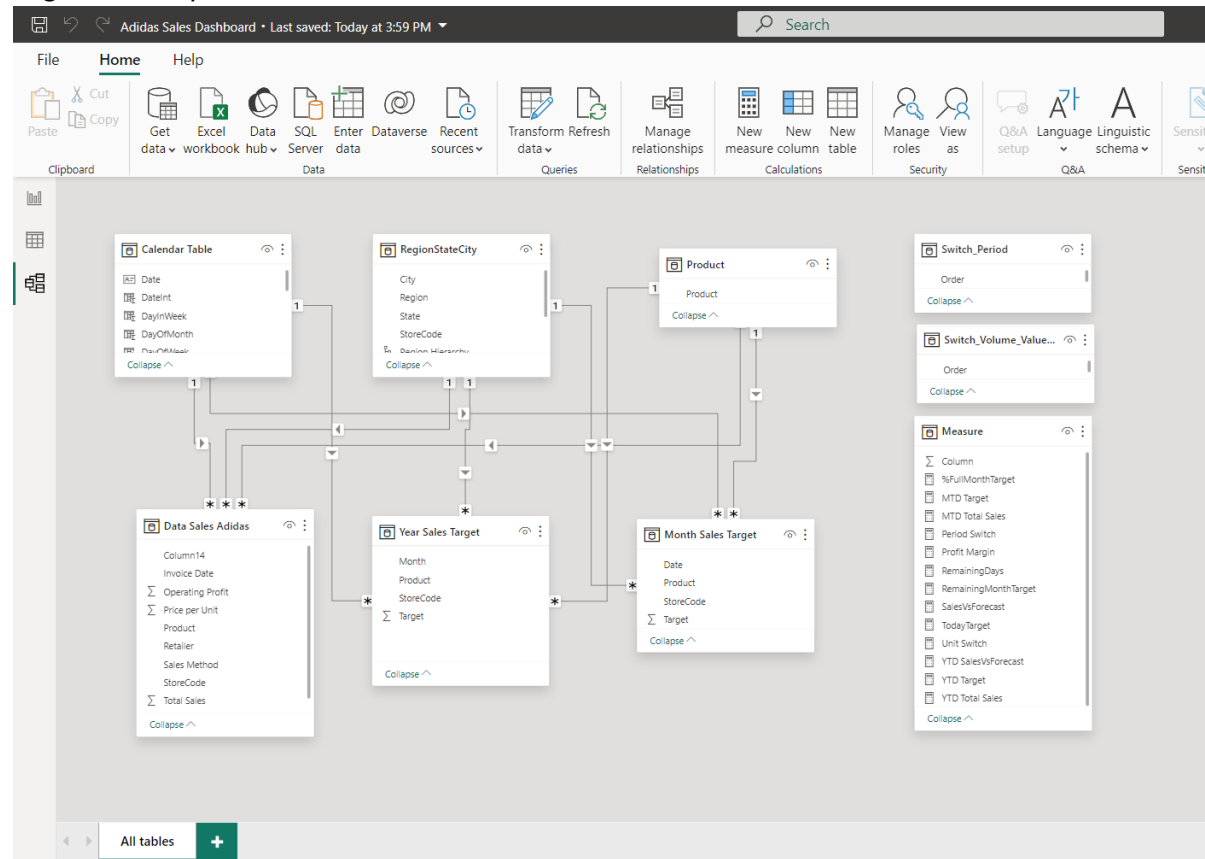
PROPERTIES

Name: Month Sales Target

APPLIED STEPS

Source: Filtered Rows, Added Custom, Expanded Date, Inserted Month, Inserted Year, Merged Columns, Changed Type, Removed Columns, Divided Column

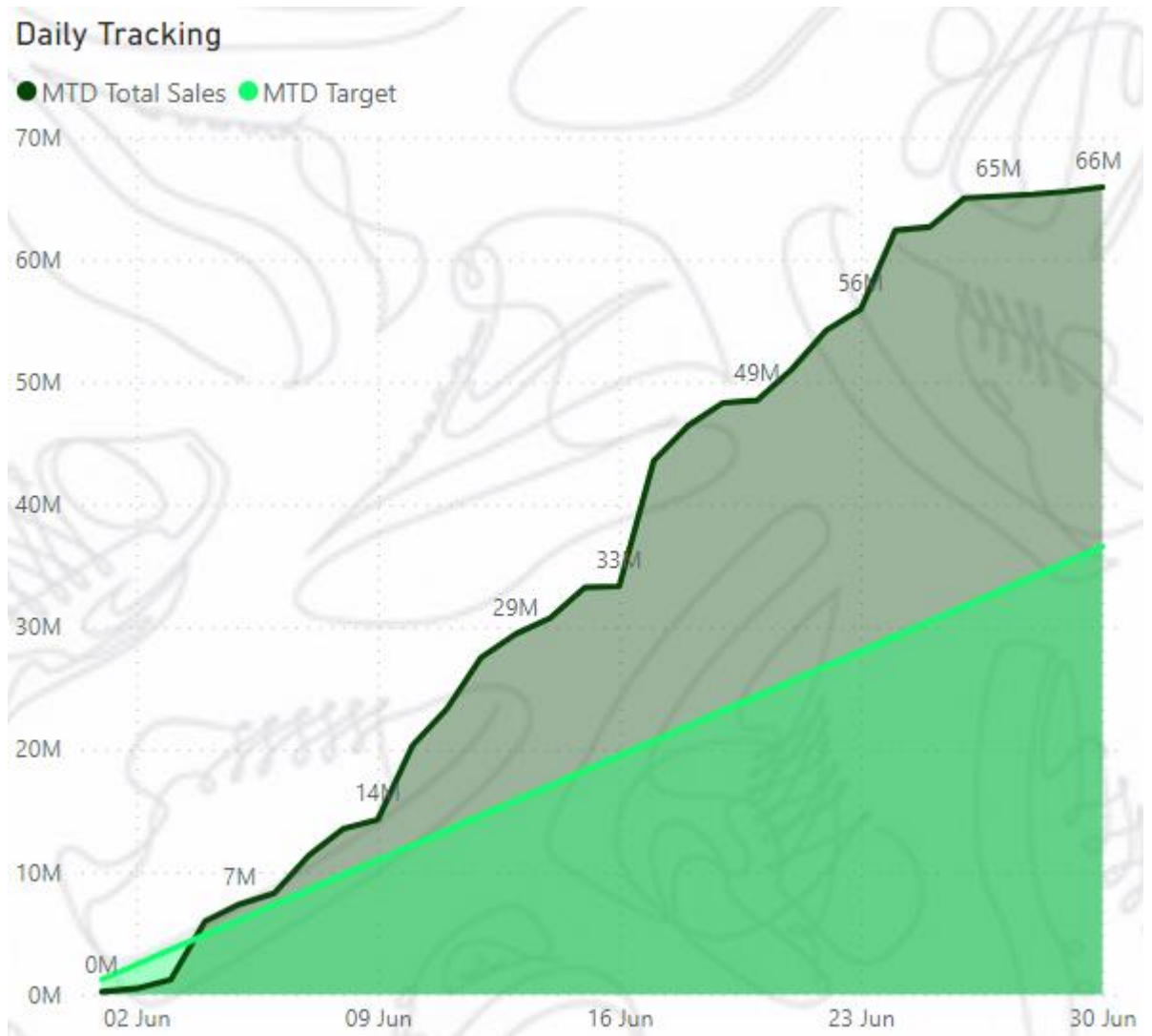
- Link data table using star schema with fact tables are Data Sales Adidas, Year Sales Target and Month Sales Target; dimensional tables are Calendar Table, RegionStateCity and Product



- Combine To-date actual performance and target To-go
- Daily tracking: make use of total MTD DAX function

```
1 MTD Target = TOTALMTD(sum('Month Sales Target'[Target]),'Calendar Table'[Date])
1 MTD Total Sales = totalMTD(sum('Data Sales Adidas'[Total Sales]),'Calendar Table'[Date])
```

Area chart result:



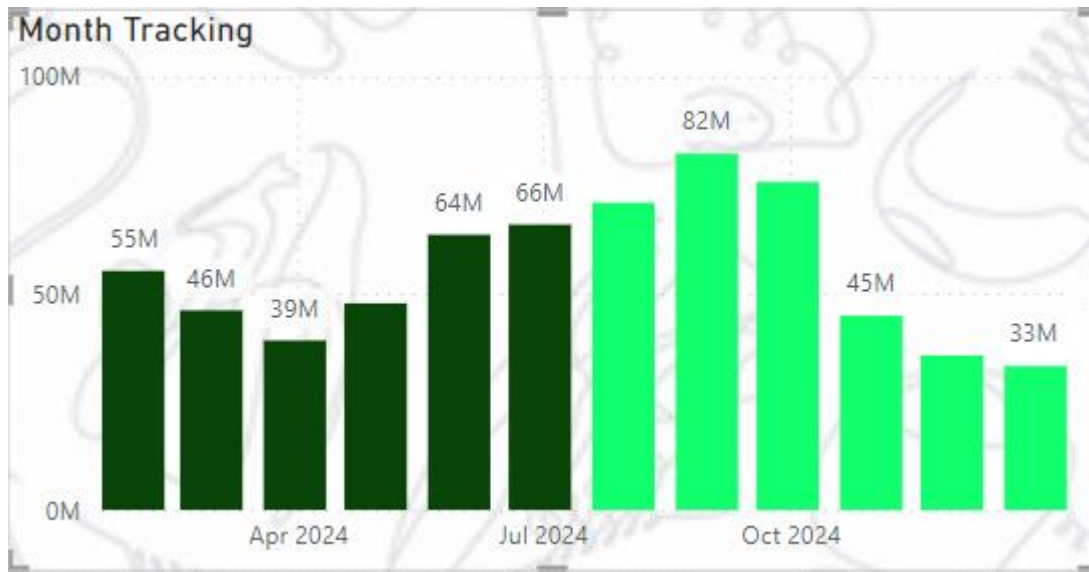
- Month tracking: column chart with actual monthly sales and coming month target: extract last sales date and use the result in if conditions

```

1 SalesVsForecast =
2 var LastSalesDate =
3 calculate(
4     max('Data Sales Adidas'[Invoice Date]),
5     all('Calendar Table'[MthYear])
6 )
7 var Result =
8 if(
9     max('Calendar Table'[MthYear]) > LastSalesDate,
10    sum('Year Sales Target'[Target]),
11    sum('Data Sales Adidas'[Total Sales])
12 )
13 return
14 Result

```

Bar chart result:



- Year target progress: Use YTD DAX function for YTD target; Use SUMX to calculate running total of month tracking

```

1 YTD Target = totalYTD(sum('Year Sales Target'[Target]),'Calendar Table'[Date])
2 YTD SalesVsForecast =
2 SUMX(FILTER(ALLSELECTED('Calendar Table'[MthYear]),'Calendar Table'[MthYear]<=MAX('Calendar Table'[MthYear])),[SalesVsForecast])

```

Area chart result:

