

#FABCONSQLCON2026

FABCON
Microsoft Fabric
COMMUNITY CONFERENCE

SQLCON
Microsoft SQL
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ATLANTA MARCH 16 - 20, 2026



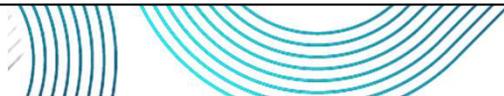
Make your Power BI Desktop Report Print Ready *in one hour (or less!)*

Lenore Flower | Data Consultant & Trainer (MCT)



Session Agenda:

1. My printable report *horror story*
2. Your basic printing options
3. Power BI Report Builder *to the rescue!*
 - ✦ Connect to your semantic model
 - ✦ Understand the parameter relay race
 - ✦ Get the darn thing to print
 - ✦ Bonus! Dynamic titles



Why bother making paginated reports?

A personal anecdote*

Quarter Name Multiple selections Region: Midwest

Quarterly Sales Report for the Midwest Sales Region

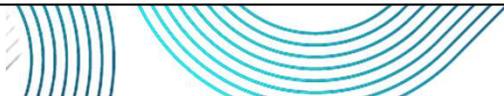
Q1-2022 to Q4-2022

Quarter Name	Q1-2022			Q2-2022			Q3-2022			Q4-2022			
	State	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales
Illinois		90,374	0.68	61,091.91	108,839	0.72	78,179.40	99,252	0.68	67,893.52	92,762	0.67	62,368.10
Weissnat-Kuhlman		40,738	0.68	27,807.57	45,889	0.67	30,864.60	43,021	0.66	28,574.56	46,543	0.69	32,324.35
Windler-Reichert		49,636	0.67	33,284.34	62,950	0.75	47,314.80	56,231	0.70	39,318.96	46,219	0.65	30,043.75
Minnesota		121,239	0.71	85,850.76	93,203	0.68	62,931.91	109,220	0.71	78,032.91	99,294	0.71	70,530.91
Bashirian-Fay		58,766	0.71	41,448.88	30,500	0.68	20,873.42	55,396	0.74	40,781.19	53,610	0.69	37,077.76
Steuber Group		62,473	0.71	44,401.88	62,703	0.67	42,058.49	53,824	0.69	37,251.72	45,684	0.73	33,453.15
Ohio		109,313	0.71	77,760.46	128,828	0.73	93,464.47	89,619	0.72	64,116.92	104,988	0.70	73,956.43
Hamill and Sons		69,363	0.72	49,653.42	67,790	0.73	49,360.36	58,739	0.73	42,724.68	53,403	0.74	39,480.36
Murazik-Considine		39,950	0.70	28,107.04	61,038	0.72	44,104.11	30,880	0.69	21,392.24	51,585	0.67	34,476.07
Total		320,926	0.70	224,703.13	330,870	0.71	234,575.78	298,091	0.70	210,043.35	297,044	0.70	206,855.44

*(learn from my pain)

Power BI Desktop is designed to be *elastic*

- Reports can be interacted with using **screens of varying sizes**
- Users need varied options to **explore** data with **interactive** slicers, drilldowns, what-if analysis, etc.
- *Not* ideal for printing.



Quarterly Sales Report for the South Sales Region

Q1-2022 to Q2-2023

Quarter Name
Multiple selections

Region
South

Quarter Name	Q3-2022			Q4-2022			Q1-2023			Q2-2023		
	State	Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales
Alabama		0.71	75,577.04	105,244	0.70	74,195.06	93,483	0.69	64,596.30	102,778	0.70	72,376.68
Bauch LLC		0.70	34,062.12	62,342	0.72	44,826.55	59,219	0.69	41,041.54	59,724	0.70	41,936.00
Deckow LLC		0.72	41,514.92	42,902	0.68	29,368.51	34,264	0.69	23,554.76	43,054	0.71	30,440.68
Arkansas		0.72	43,675.11	42,687	0.68	28,962.01	42,333	0.72	30,370.89	74,929	0.70	52,301.69
Johns, Emard and West		0.72	43,675.11	42,687	0.68	28,962.01	42,333	0.72	30,370.89	74,929	0.70	52,301.69
Florida		0.69	182,375.66	225,291	0.71	159,412.49	246,351	0.69	170,495.90	182,939	0.71	130,102.92
Brekke, Steuber and Little		0.64	39,549.49	59,482	0.72	43,022.85	50,213	0.72	36,163.59	41,427	0.71	29,557.88
Emmerich-Treutel		0.67	35,175.57	53,457	0.66	35,398.05	73,865	0.68	50,066.21	49,468	0.69	34,019.80
Farrell-Runolfsson		0.70	43,864.94	70,083	0.70	48,727.39	46,031	0.71	32,622.66	36,912	0.72	26,496.68
Muller, Langosh and Denesik		0.74	63,785.66	42,269	0.76	32,264.20	76,242	0.68	51,643.44	55,132	0.73	40,028.56
Georgia		0.73	117,175.68	141,824	0.70	99,137.44	157,138	0.72	113,522.46	142,110	0.69	97,656.63
Crooks-Aufderhar		0.75	44,441.78	61,939	0.74	45,863.62	57,813	0.72	41,634.11	48,888	0.69	33,557.21
Goodwin Group		0.74	40,496.92	39,381	0.66	26,102.26	56,552	0.74	41,927.29	46,324	0.69	31,961.20
Treutel-McGlynn		0.70	32,236.98	40,504	0.67	27,171.56	42,773	0.70	29,961.06	46,898	0.69	32,138.22
Kentucky		0.69	75,188.86	121,436	0.71	86,429.61	91,786	0.69	63,169.10	106,804	0.69	73,372.26
Brekke, Davis and Abshire		0.71	34,825.79	43,871	0.73	31,924.44	52,707	0.70	36,783.70	48,716	0.71	34,773.17
King, Haag and Ledner		0.68	40,363.07	77,565	0.70	54,505.17	39,079	0.68	26,385.40	58,088	0.66	38,599.09
Louisiana		0.66	82,915.95	104,485	0.71	73,679.11	117,871	0.69	81,699.44	64,893	0.71	46,233.41
Christiansen and Sons		0.66	47,115.04	45,746	0.72	33,039.10	61,323	0.69	42,284.02	33,443	0.70	23,299.35
Total		0.70	1,172,126.90	1,453,518	0.71	1,032,713.45	1,474,025	0.70	1,033,019.83	1,366,560	0.70	956,696.13

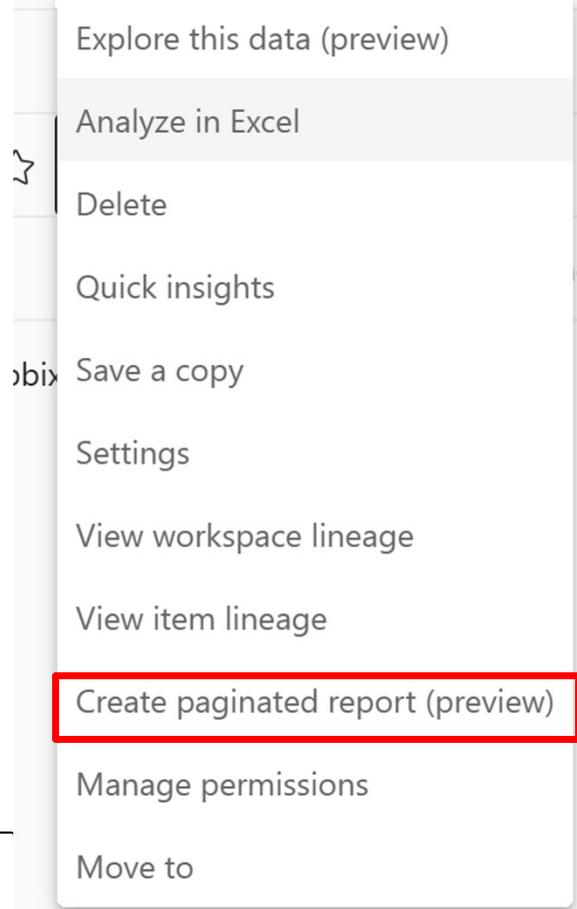
Your Basic Printing Options

1. Manually print your Power BI Desktop report off

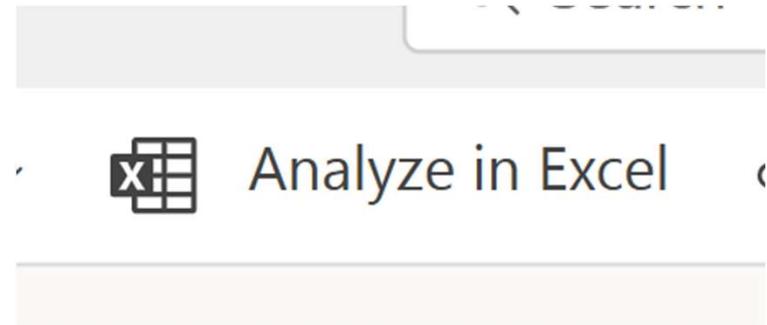


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2. Create paginated report in Power BI Service



3. Jerry-rig something in Excel



4. Use Power BI Report

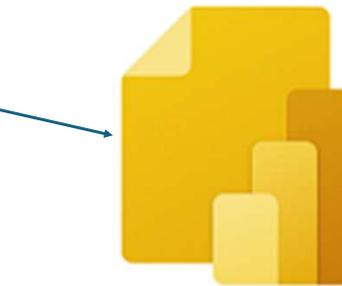
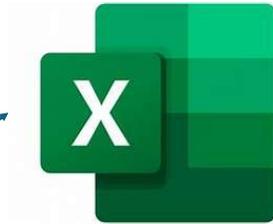
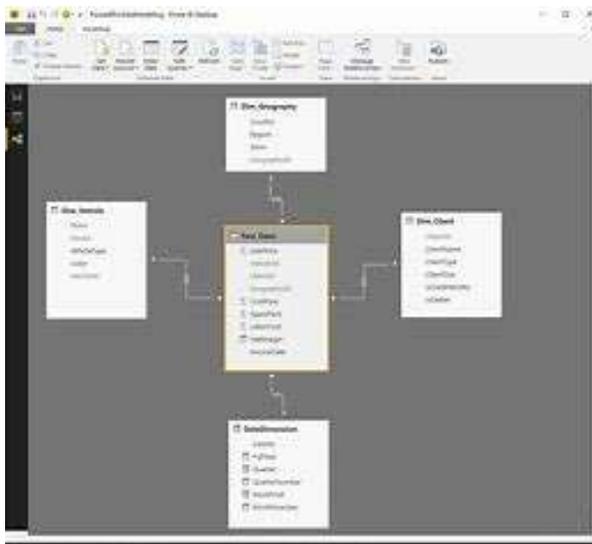


Power BI Report Builder



Whenever you can, use a *shared* Power BI semantic model

Build a good semantic model *once*



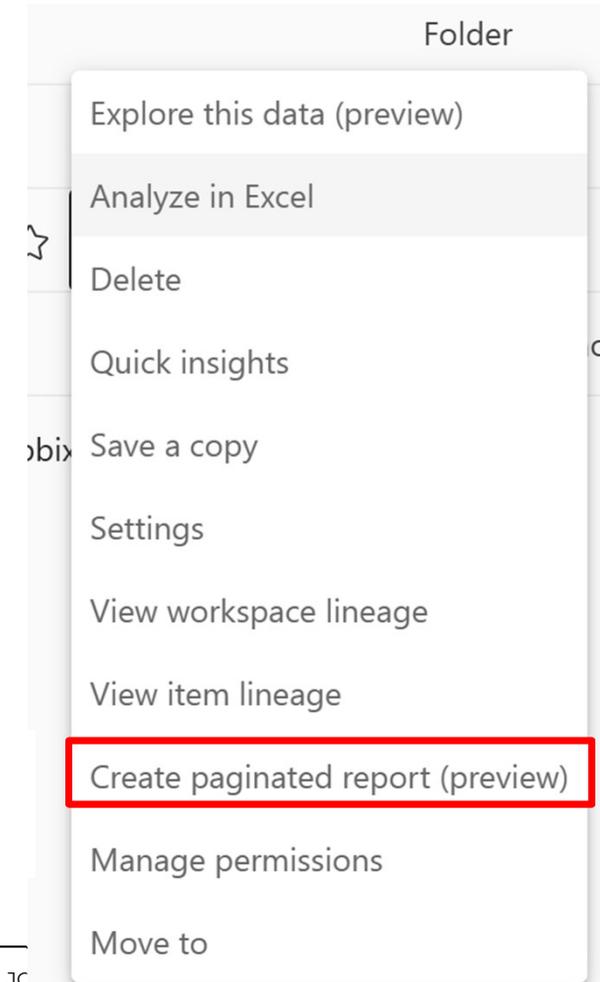
Power BI Report Builder

Maintain and reuse it for multiple reports

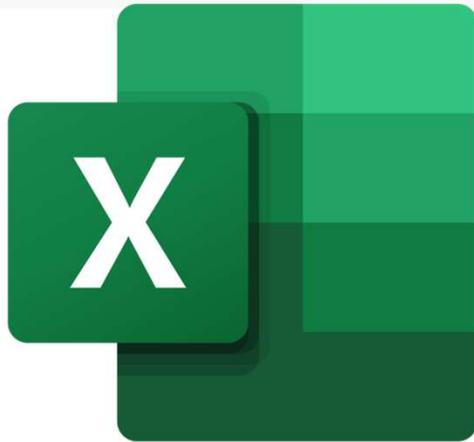
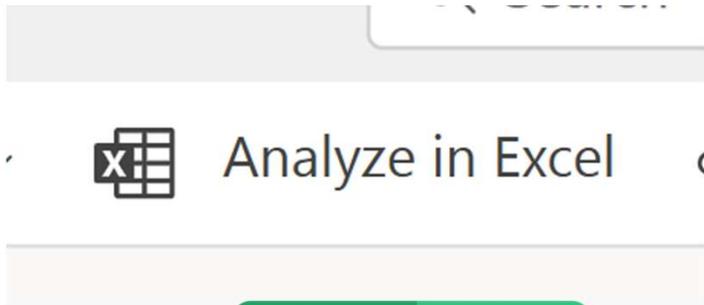
Make a Paginated Report in the Power BI Service when

- ✓ The output required is a simple table
- ✓ **No Parameters** are required
- ✓ **No Graphs** are required
- ✓ Formatting is not important

*When you can't talk the business out of using **reports as a "data dump"** this is a solid option*

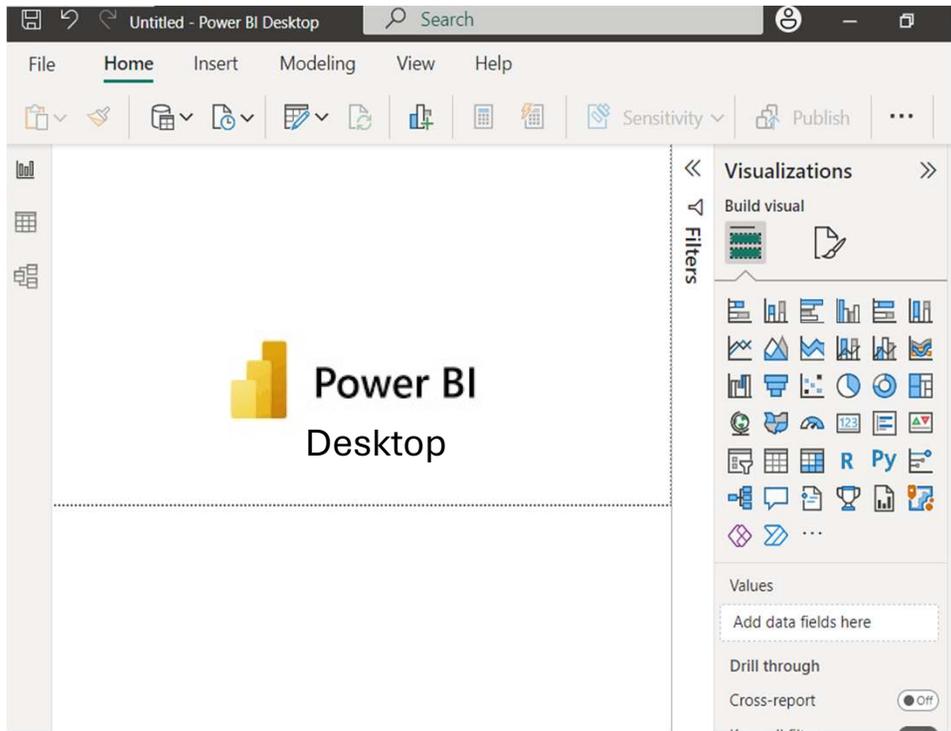


Build something using Analyze in Excel if



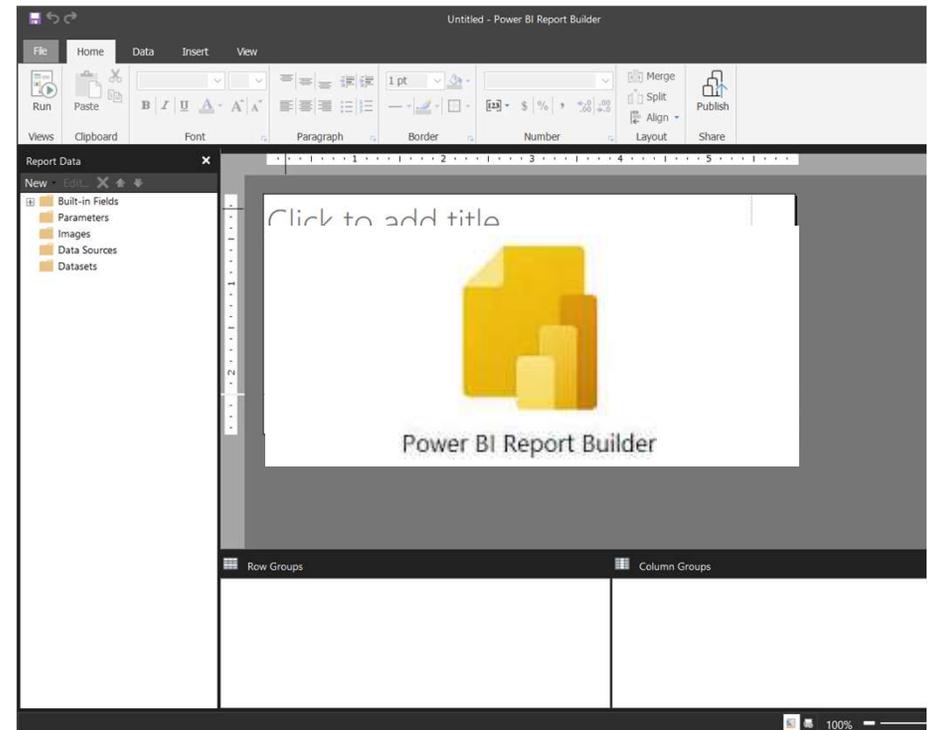
- You're mainly doing **ad-hoc analysis**
- You're *very* comfortable using MDX in Excel
- You need to give your colleagues *some* alternative to "export to Excel"

Introducing Power BI Report Builder



Creates a .pbix file

Vs



Creates a .rdl file (**R**eport **D**efinition **L**anguage)



Posted by u/Jman1994678 18 days ago

53



If you could change anything about Power BI, what would it be and why it be Power BI Report Builder/Paginated Report builder?

Would 

Question

I dread every second of using Report builder



133 Comments



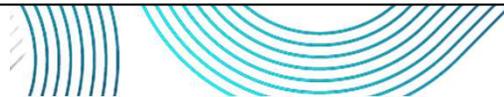
Award



Share



Save



Standard Power BI Reports



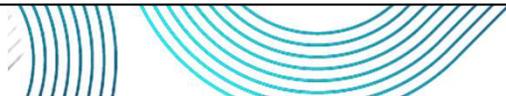
Hi There! How can I help?

Vs.

Paginated Power BI Reports



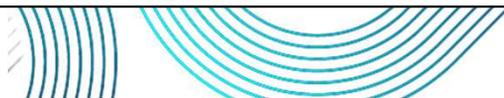
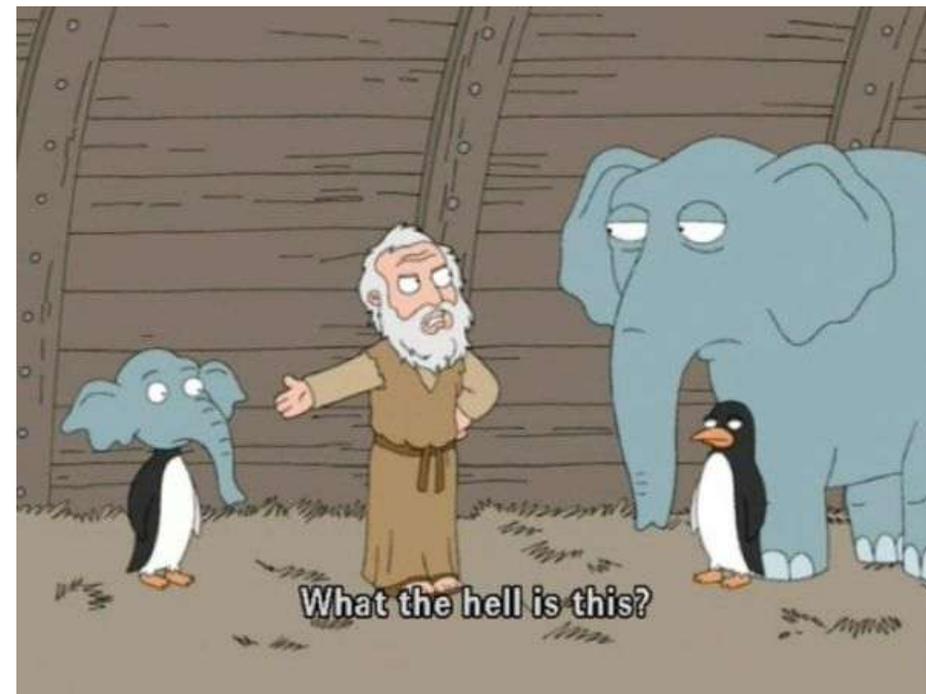
I've generated your output.
End of conversation



Paginated/Power BI Report Builder

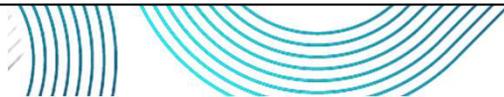
Basically SSRS & Power BI Desktop, mushed together

	Power BI Paginated Reports	Power BI "Standard" reports
Report building tool	Power BI Report Builder/ Paginated Report Builder	Power BI Desktop
Origin story	SQL Server Reporting Services (2005)	Power Pivot (2010)
Native habitat	SQL	Excel
Query logic	DAX, SQL, or MDX	DAX (for visuals)
Data stored?	No	Yes (unless thin Report)



If you try to build your paginated report like you do in Power BI Desktop...

You're going to have a *bad* time



Build in Power BI Report Builder when...



Report must be **“pixel perfect”**
(*either* to print or to PDF & email)



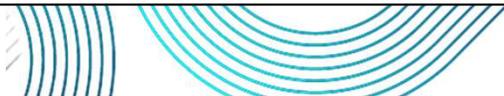
Users need an operational report that requires **limited interaction or exploration**



The report information is needed in environments with iffy wifi



Power BI Report Builder



Getting your data into Report Builder

File View Optimize Help External tools Format Data / Drill

Refresh New visual calculation Sensitivity Publish Prep data for AI Copilot

Publish this report online in the Power BI service.

Quarterly Sales Report for the South Sales Region

Region: South

Q1-2022 to Q1-2022

Q1-2022			Q2-2022			Q3-2022			Q4-2022		
Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales
120,220	0.74	89,179.58	96,408	0.72	68,946.74	105,917	0.71	75,577.04	105,244	0.70	74,000.00
49,228	0.75	36,677.03	50,682	0.71	35,872.06	48,578	0.70	34,062.12	62,342	0.70	43,635.80
70,992	0.74	52,502.55	45,726	0.72	33,074.68	57,339	0.72	41,514.92	42,902	0.70	30,064.00
57,778	0.70	40,226.81	65,357	0.66	43,279.41	60,463	0.72	43,675.11	42,687	0.70	29,881.80
57,778	0.70	40,226.81	65,357	0.66	43,279.41	60,463	0.72	43,675.11	42,687	0.70	29,881.80
181,243	0.72	130,062.44	157,192	0.67	105,502.72	262,889	0.69	182,375.66	225,291	0.70	157,500.00
32,260	0.71	23,057.60	35,520	0.65	23,185.39	61,448	0.64	39,549.49	59,482	0.70	41,800.00
31,253	0.74	23,249.96	38,195	0.69	26,475.00	52,634	0.67	35,175.57	53,457	0.70	37,420.00
58,929	0.70	41,319.00	49,995	0.68	33,805.00	63,043	0.70	43,864.94	70,083	0.70	49,260.00
58,801	0.72	42,435.88	33,482	0.66	22,037.33	85,764	0.74	63,785.66	42,269	0.70	28,980.00
150,320	0.70	105,202.14	152,843	0.72	110,245.03	160,182	0.73	117,175.68	141,824	0.70	99,360.00
55,945	0.72	40,143.69	51,348	0.72	37,006.42	59,035	0.75	44,441.78	61,939	0.70	43,370.00
75,715	0.69	52,419.54	49,852	0.72	35,992.57	54,954	0.74	40,496.92	39,381	0.70	27,570.00
18,660	0.68	12,638.91	51,643	0.72	37,246.04	46,193	0.70	32,236.98	40,504	0.70	28,350.00
103,785	0.71	73,284.95	115,940	0.71	81,862.11	108,564	0.69	75,188.86	121,436	0.70	85,010.00
48,812	0.74	36,168.45	75,816	0.70	53,129.30	49,253	0.71	34,825.79	43,871	0.70	30,710.00
54,973	0.68	37,116.50	40,124	0.72	28,732.81	59,311	0.68	40,363.07	77,565	0.70	54,270.00
117,920	0.70	82,656.15	125,120	0.69	86,443.63	125,512	0.66	82,915.95	104,485	0.70	73,200.00
63,308	0.68	43,266.29	62,794	0.70	43,876.50	71,093	0.66	47,115.04	45,746	0.70	32,020.00
54,612	0.77	39,389.86	62,326	0.68	42,567.13	54,419	0.66	35,800.91	58,739	0.70	41,110.00
1,481,462	0.71	1,046,380.59	1,511,902	0.70	1,061,912.18	1,677,441	0.70	1,172,126.90	1,453,518	0.70	1,030,000.00

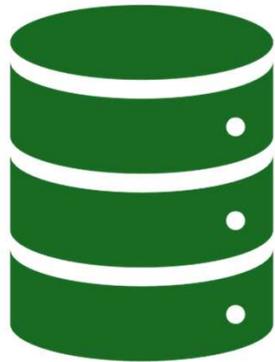
Performance analyzer

- Start recording
- Refresh visuals
- Clear
- Name
- Duration
- Recording started (11/15/2025 8:18:23 AM)
- Refreshed visual
- Slicer
- Card
- Slicer
- Card
- Matrix
- DAX query
- Visual display
- Other
- Copy query
- Run in DAX query view
- Changed the model
- Slicer
- Card
- Slicer
- Card
- Matrix



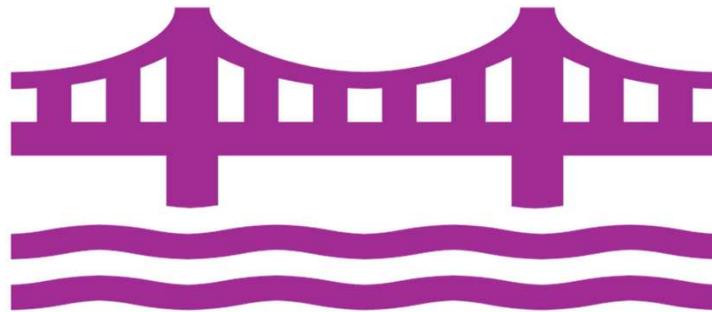
Paginated data sources act as a bridge

Semantic Model in
Power BI Service

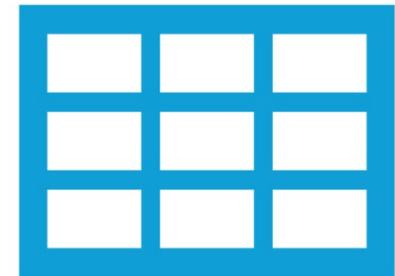


I contain *multitudes*

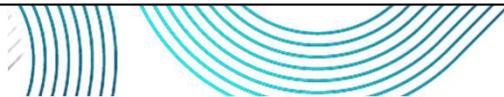
Data Source in
Power BI Report Builder



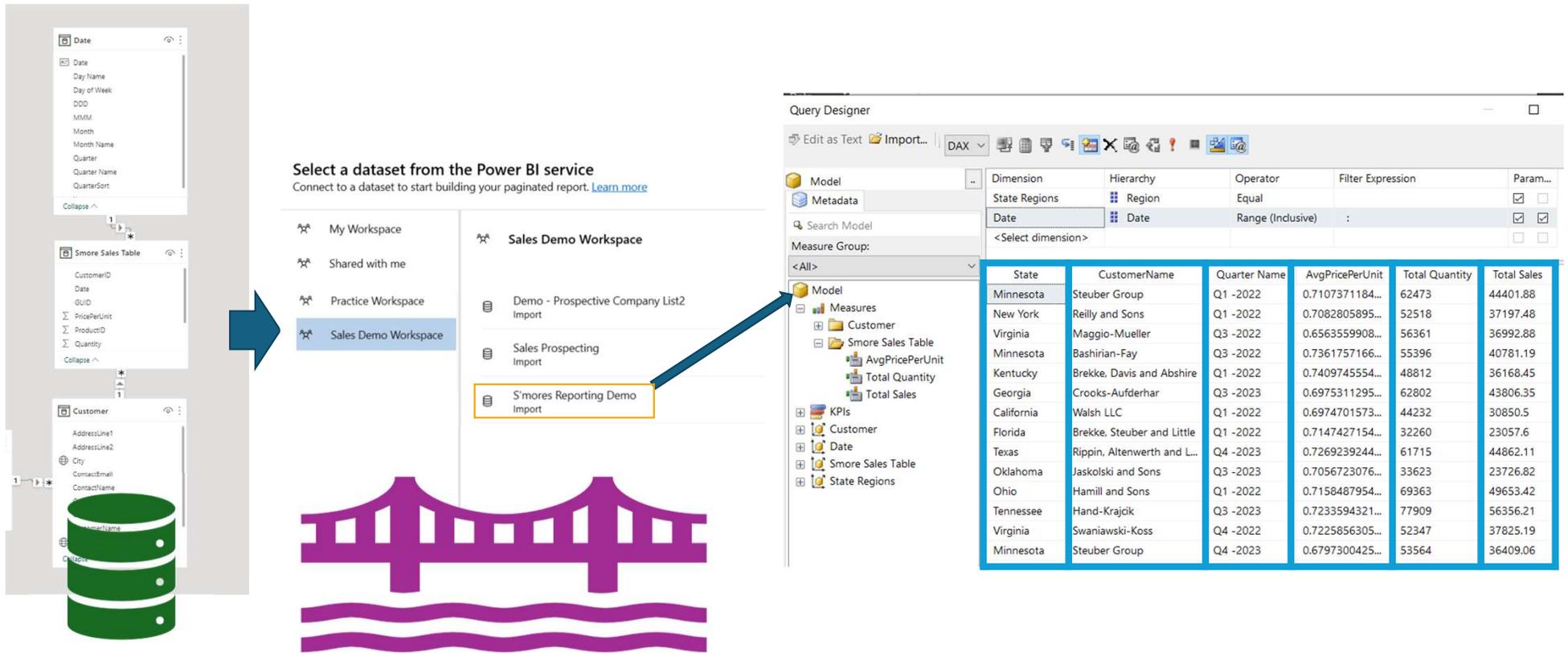
Dataset in
Power BI Report Builder



I output a table



Paginated data sources act as a bridge



Creating A Dataset

Right click on Datasets then select "Add dataset..."

Dataset Properties

Choose a data source and create a query.

Name: Main

Data source: SalesDemoWorkspace_SmoresReportingDemoPaginated

Query type: Text Table Stored Procedure

Query: EVALUATE SUMMARIZECOLUMNS('Customer'[State], 'Customer'[CustomerName], 'Date'[Quarter Name], 'Date'[QuarterSort], RSCustomDaxFilter(@CustomerStateRegionsRegion,EqualToCondition,[Customer],[StateRegions.Region],String), RSCustomDaxFilter(@DateQuarterName,EqualToCondition,[Date].[Quarter Name],String), "AvgPricePerUnit", [AvgPricePerUnit], "Total Quantity", [Total Quantity], "Total Sales", [Total Sales])

Click here to build query

Query Designer... Import... Validate Query

"Dataset Properties" will open after you click "Add Dataset..."

If you're using a Power BI dataset as your data source, your finished query will be written here in DAX

Demo: Why implicit measures work in Power BI (Standard)

Date: 1/1/2022 - 12/31/2022

Region: South

Quarterly Sales Report for the South Sales Region

1/1/2022 - 12/31/2022

Quarter Name State	Q1 -2022			Q2 -2022			Q3 -2022			Q4 -2022	
	Total Quantity	AvgPricePerUnit	Total Sales	Total Quantity	AvgPricePerUnit	Total Sales	Total Quantity	AvgPricePerUnit	Total Sales	Total Quantity	AvgPricePerU
Alabama	120,220	0.74	89,179.58	96,408	0.72	68,946.74	105,917	0.71	75,577.04	105,244	0.
Bauch LLC	49,228	0.75	36,677.03	50,682	0.71	35,872.06	48,578	0.70	34,062.12	62,342	0.
Deckow LLC	70,992	0.74	52,502.55	45,726	0.72	33,074.68	57,339	0.72	41,514.92	42,902	0.
Arkansas	57,778	0.70	40,226.81	65,357	0.66	43,279.41	60,463	0.72	43,675.11	42,687	0.
Johns, Emard and West	57,778	0.70	40,226.81	65,357	0.66	43,279.41	60,463	0.72	43,675.11	42,687	0.
Florida	181,243	0.72	130,062.44	157,192	0.67	105,502.72	262,889	0.69	182,375.66	225,291	0.
Brekke, Steuber and Little	32,260	0.71	23,057.60	35,520	0.65	23,185.39	61,448	0.64	39,549.49	59,482	0.
Emmerich-Treutel	31,253	0.74	23,249.96	38,195	0.69	26,475.00	52,634	0.67	35,175.57	53,457	0.
Farrell-Runolfsson	58,929	0.70	41,319.00	49,995	0.68	33,805.00	63,043	0.70	43,864.94	70,083	0.
Muller, Langosh and	58,801	0.72	42,435.88	33,482	0.66	22,037.33	85,764	0.74	63,785.66	42,269	0.
Georgia	150,320	0.70	105,202.14	152,843	0.72	110,245.03	160,182	0.73	117,175.68	141,824	0.
Crooks-Aufderhar	55,945	0.72	40,143.69	51,348	0.72	37,006.42	59,035	0.75	44,441.78	61,939	0.
Goodwin Group	75,715	0.69	52,419.54	49,852	0.72	35,992.57	54,954	0.74	40,496.92	39,381	0.
Treutel-McGlynn	18,660	0.68	12,638.91	51,643	0.72	37,246.04	46,193	0.70	32,236.98	40,504	0.
Kentucky	103,785	0.71	73,284.95	115,940	0.71	81,862.11	108,564	0.69	75,188.86	121,436	0.
Brekke, Davis and Abshire	48,812	0.74	36,168.45	75,816	0.70	53,129.30	49,253	0.71	34,825.79	43,871	0.
King, Haag and Ledner	54,973	0.68	37,116.50	40,124	0.72	28,732.81	59,311	0.68	40,363.07	77,565	0.
Louisiana	117,920	0.70	82,656.15	125,120	0.69	86,443.63	125,512	0.66	82,915.95	104,485	0.
Christiansen and Sons	63,308	0.68	43,266.29	62,794	0.70	43,876.50	71,093	0.66	47,115.04	45,746	0.
Little, Buckridge and Bernhard	54,612	0.72	39,389.86	62,326	0.68	42,567.13	54,419	0.66	35,800.91	58,739	0.
Maryland	83,016	0.71	58,644.24	73,924	0.74	54,335.66	50,048	0.75	37,302.77	60,658	0.
Wilkinson and Sons	83,016	0.71	58,644.24	73,924	0.74	54,335.66	50,048	0.75	37,302.77	60,658	0.
Oklahoma	77,584	0.69	53,592.77	125,904	0.71	89,752.00	146,842	0.67	98,445.01	113,574	0.
Hauck-Wiegand	32,371	0.67	21,832.02	73,112	0.72	52,643.40	90,795	0.67	60,927.87	52,470	0.
Total	1,481,462	0.71	1,046,380.59	1,511,902	0.70	1,061,912.18	1,677,441	0.70	1,172,126.90	1,453,518	0.

Visualizations: Build visual, Filters, Rows, Columns, Values, Drill through, Cross-report, Keep all filters

Query Designer: drag and drop to build your dataset

Use measures; save sanity

Needs sort field? Add sort field

Minimize the number of columns

State	CustomerName	Quarter Name	AvgPricePerUnit	Total Quantity	Total Sales
Minnesota	Steuber Group	Q1 -2022	0.7107371184...	62473	44401.88
New York	Reilly and Sons	Q1 -2022	0.7082805895...	52518	37197.48
Virginia	Maggio-Mueller	Q3 -2022	0.6563559908...	56361	36992.88
Minnesota	Bashirian-Fay	Q3 -2022	0.7361757166...	55396	40781.19
Kentucky	Brekke, Davis and Abshire	Q1 -2022	0.7409745554...	48812	36168.45
Georgia	Crooks-Aufderhar	Q3 -2023	0.6975311295...	62802	43806.35
California	Walsh LLC	Q1 -2022	0.6974701573...	44232	30850.5
Florida	Brekke, Steuber and Little	Q1 -2022	0.7147427154...	32260	23057.6
Texas	Rippin, Altenwerth and L...	Q4 -2023	0.7269239244...	61715	44862.11
Oklahoma	Jaskolski and Sons	Q3 -2023	0.7056723076...	33623	23726.82
Ohio	Hamill and Sons	Q1 -2022	0.7158487954...	69363	49653.42
Tennessee	Hand-Krajcik	Q3 -2023	0.7233594321...	77909	56356.21
Virginia	Swaniawski-Koss	Q4 -2022	0.7225856305...	52347	37825.19
Minnesota	Steuber Group	Q4 -2023	0.6797300425...	53564	36409.06

Understanding the Parameter Relay Race

Quarter Name
Multiple selections

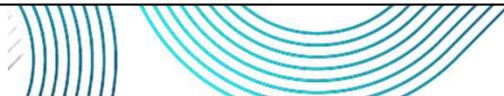
Quarterly Sales Report for the Midwest Sales Region

Region
Midwest

Q1-2022 to Q4-2022



Quarter Name State	Q1-2022			Q2-2022			Q3-2022			Q4-2022		
	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales
Illinois	90,374	0.68	61,091.91	108,839	0.72	78,179.40	99,252	0.68	67,893.52	92,762	0.67	62,368.10
Weissnat-Kuhlman	40,738	0.68	27,807.57	45,889	0.67	30,864.60	43,021	0.66	28,574.56	46,543	0.69	32,324.35
Windler-Reichert	49,636	0.67	33,284.34	62,950	0.75	47,314.80	56,231	0.70	39,318.96	46,219	0.65	30,043.75
Minnesota	121,239	0.71	85,850.76	93,203	0.68	62,931.91	109,220	0.71	78,032.91	99,294	0.71	70,530.91
Bashirian-Fay	58,766	0.71	41,448.88	30,500	0.68	20,873.42	55,396	0.74	40,781.19	53,610	0.69	37,077.76
Steuber Group	62,473	0.71	44,401.88	62,703	0.67	42,058.49	53,824	0.69	37,251.72	45,684	0.73	33,453.15
Ohio	109,313	0.71	77,760.46	128,828	0.73	93,464.47	89,619	0.72	64,116.92	104,988	0.70	73,956.43
Hamill and Sons	69,363	0.72	49,653.42	67,790	0.73	49,360.36	58,739	0.73	42,724.68	53,403	0.74	39,480.36
Murazik-Considine	39,950	0.70	28,107.04	61,038	0.72	44,104.11	30,880	0.69	21,392.24	51,585	0.67	34,476.07
Total	320,926	0.70	224,703.13	330,870	0.71	234,575.78	298,091	0.70	210,043.35	297,044	0.70	206,855.44



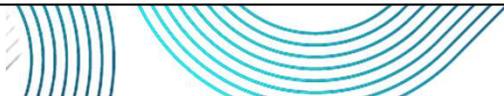
Query filters vs. query parameters

Both:

- defined using the Query Editor
- constrain the data pulled into the report

Query Filters: constraint will *always* be applied to the report

Query Parameters: constraint is **chosen by report user** at report run time



Visualizing a Query filter

When the report is run...

Dataset Properties

Query

Fields

Options

Filters

Parameters

Choose a data source and create a query.

Name: Main

Data source: PaginatedReportsTraining_SmoresReportingDemo

Query type: Text Table Stored Procedure

Query: FILTER (VALUES ('Date'[Year]), ('Date'[Year] = VALUE ('2023')),)

Time out (in seconds): 0

Query Designer... Import... Validate Query

Help OK Cancel

CustomerID	ProductID	Quantity	PricePerUnit	Date
29	2	789	\$0.71	6/2/2023
5	2	2,524	\$0.71	6/26/2023
16	2	2,127	\$0.71	2/12/2023
30	2	404	\$0.71	1/11/2023
3	2	2,321	\$0.71	4/4/2023
45	2	1,831	\$0.71	6/20/2023
27	2	158	\$0.71	7/13/2023
8	2	1,621	\$0.65	2/9/2023
4	2	3,780	\$0.65	3/4/2023
50	2	1,227	\$0.65	4/1/2023
5	2	2,322	\$0.65	8/7/2023
32	2	3,177	\$0.65	4/18/2023
19	2	1,224	\$0.65	6/4/2023
4	2	1,496	\$0.65	9/15/2023
5	2	205	\$0.65	6/7/2023
45	2	3,505	\$0.65	8/17/2023
49	2	317	\$0.65	1/28/2023
32	2	3,965	\$0.65	3/30/2023
20	2	2,244	\$0.65	5/29/2023
9	2	2,021	\$0.65	10/9/2023
15	2	812	\$0.65	9/23/2023
48	2	1,696	\$0.65	12/24/2023
32	2	2,177	\$0.65	1/1/2023
37	2	2,361	\$0.65	2/5/2023
36	2	789	\$0.65	6/2/2023
9	2	3,190	\$0.65	7/1/2023
20	2	709	\$0.65	1/11/2023
11	2	3,641	\$0.65	8/22/2023

Adding A Query Filter

Table Name	Field Name	Filter Type	(usually) Filter Values	Unchecked = Filter
Dimension	Hierarchy	Operator	Filter Expression	Parameters
Customer	State Regions.Region	Equal	{ Midwest }	<input type="checkbox"/> <input type="checkbox"/>



Understanding the Parameter Relay Race: Query Parameters

3.

2.

Dataset Properties

Query
Fields
Options
Filters
Parameters

Choose query parameter values.

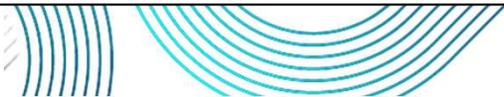
Parameter Name	Parameter Value
DateQuarterName	[@DateQuarterName]
CustomerRegion	[@CustomerRegion]

OK Cancel

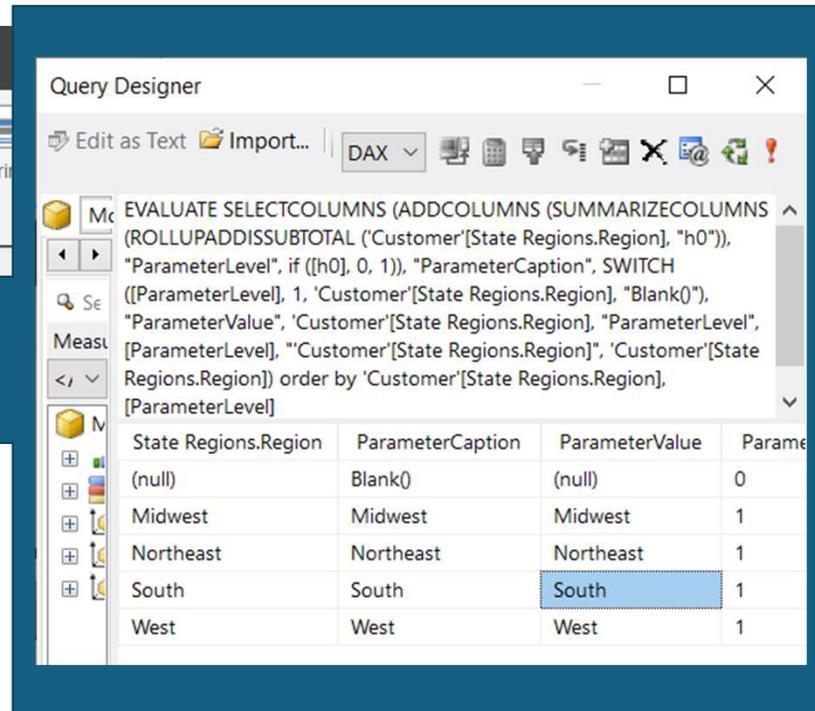
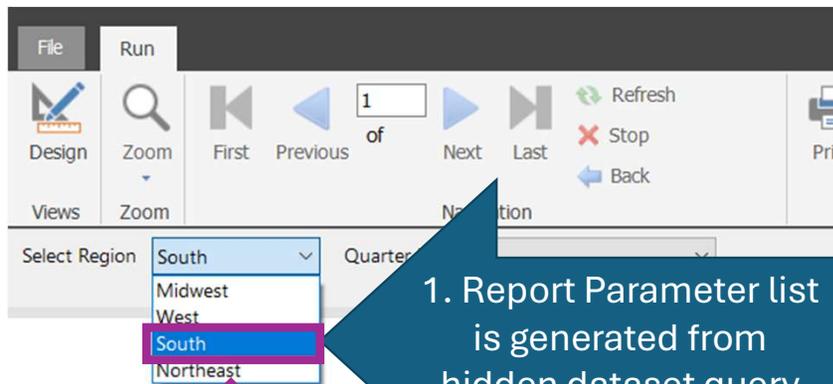
The Parameter Relay Race: Report Parameters

The screenshot displays the SSRS report designer interface. On the left is the 'Report Data' pane with a tree view showing folders like 'Built-in Fields', 'Parameters', 'Images', 'Data Sources', 'Datasets', and 'Main'. The 'Parameters' folder is expanded, showing 'DateQuarterName' selected. A green box highlights the 'DateQuarterName' parameter in the 'Parameters' pane, with a green arrow pointing to a dropdown menu in the report header. The report header contains two dropdown menus: 'Quarter Name' and 'Region'. A large green number '5.' is overlaid on the report body. Below the header is a table with a title 'Click to add title'. The table has columns for 'State', 'Customer', 'Total Quantity', 'Avg Price Per', and 'Total Sales'. The 'Row Groups' pane at the bottom shows 'State' and 'CustomerName' as row group members. The 'Column Groups' pane shows 'Quarter_Name' as a column group member.

[Quarter_Name]				
State	Customer	Total Quantity	Avg Price Per	Total Sales
[State]	[CustomerName]	[Sum(Total_Quantity)]	[Sum(AvgPricePer)]	[Sum(Total_Sales)]



The Parameter Relay Race: User Selection at Run-time



2. Report user selects the parameter(s) and runs the report

**Parameters!Region.Value
="South"**

The Parameter Relay Race: User selection is fed back to the query

Report Parameter Properties

General

Change name, data type, and other options.

Name: Region

Prompt: Select Region

Data type: Text

Allow blank value ("")
 Allow null value
 Allow multiple values

Select parameter visibility:
 Visible
 Hidden

Dataset Properties

Choose query parameter values.

Add Delete

Parameter Name (in the dataset query)	Parameter Value (from the report)
CustomerStateRegionsRegion	@Region

```
RSCustomDaxFilter(  
@CustomerStateRegionsRegion, =Parameters!Region.Value  
EqualToCondition,
```

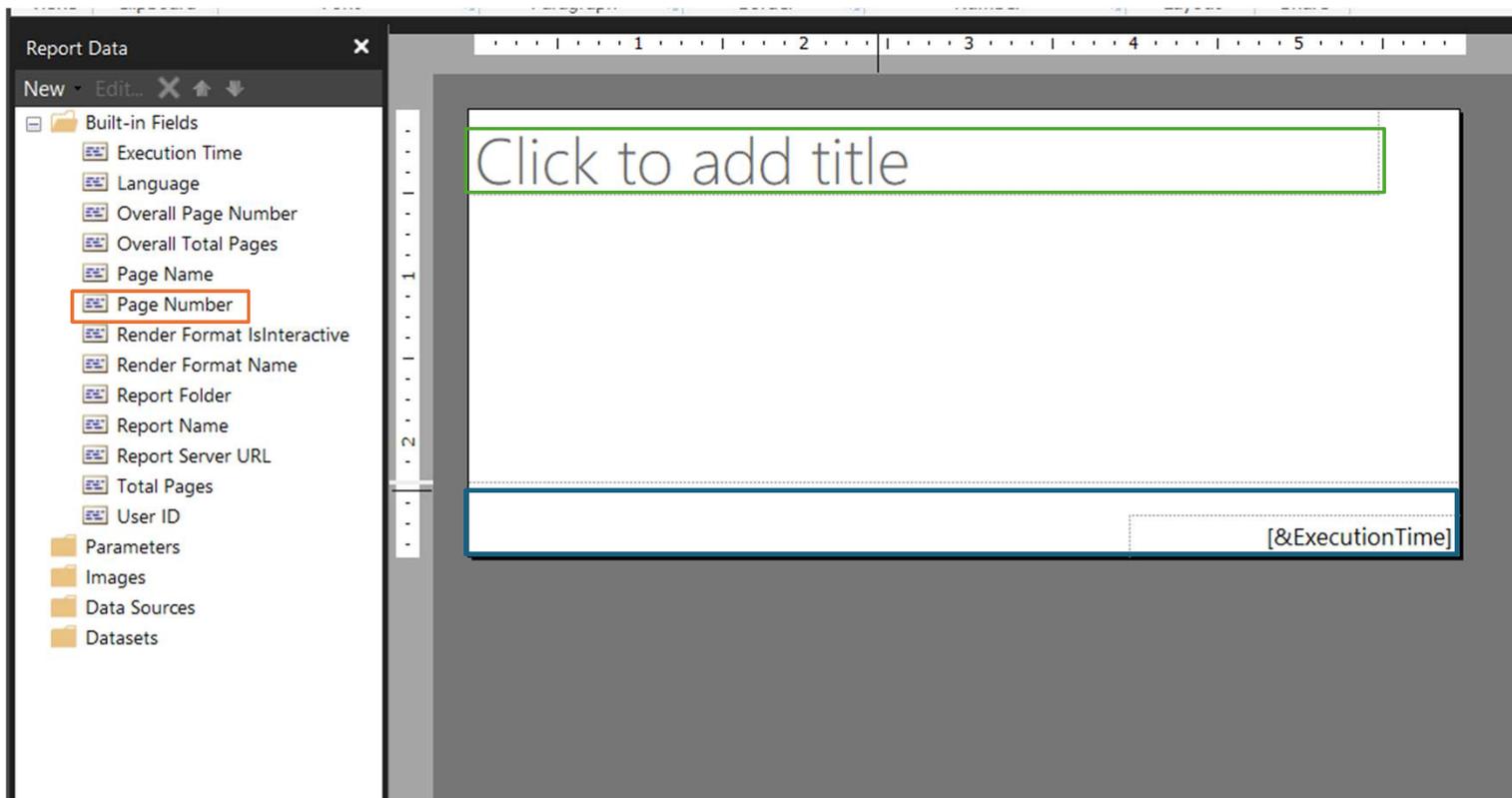
```
[Customer].[StateRegions.Region], "South"
```

```
String  
)
```

Data Type: Text

Parameters!Region.Value
="South"

Formatting from the default



Adding a Header

The screenshot displays the SSRS interface. The 'Insert' ribbon is active, with the 'Header' button highlighted. The report preview shows a header box containing the text 'A title in the report's header will show up on every page' and a main body box containing 'A title in the report's main body will only show up on the first page'. The footer box contains 'Stuff you put in the footer will show up on every page too:)' and a parameter placeholder '[&ExecutionTime]'. The Properties pane on the right shows the 'Page Footer' properties, with 'PrintOnFirstPage' and 'PrintOnLastPage' both set to 'True'.

Page Footer	
Border	
BorderColor	Black
BorderStyle	None
BorderWidth	1pt
Fill	
BackgroundColor	No Color
BackgroundImage	
General	
Height	0.47833in
PrintOnFirstPage	True
PrintOnLastPage	True

Adding a Page Number to your Footer

The screenshot illustrates the steps to add a page number to the footer in SSRS:

- Insert Ribbon:** The 'Footer' button is highlighted in the 'Header & Footer' group.
- Report Data Pane:** Under 'Built-in Fields', 'Page Number' is selected and highlighted with a green box. A green arrow points from this box to the footer text box in the report body.
- Properties Pane:** The 'Page Footer' section is expanded, showing settings for Border, Fill, and General. The 'General' section shows 'Height' as 0.47833in, 'PrintOnFirstPage' as True, and 'PrintOnLastPage' as True.
- Report Body:** The report is divided into three sections:
 - Header:** A title in the report's header will show up on every page.
 - Body:** A title in the report's main body will only show up on the first page.
 - Footer:** Stuff you put in the footer will show. This section contains two text boxes: one with the expression `&PageNumber` and another with `&ExecutionTime`.

Setting up your Matrix: Group Order

«Expr»

[Quarter_Name]			
ne	Total	Avg Price	Total Sales
	[Sum(Tot	[Sum(AvgF	[Sum(Total_S

«Expr»

Column Groups

- [(Quarter_Name)

Group Properties

General

Page Breaks

Sorting

Visibility

Filters

Variables

Advanced

Change sorting options.

Add Delete

Column Order

Sort by [QuarterSort] A to Z

Select the sort field for this grouping.

Help OK Cancel

Right click on the Grouping you want to sort in the Groupings section

Setting up your Matrix: repeating column & row headers

Tablix Properties

General

Change name, dataset, and display options.

Name: Tablix1

ToolTip:

Dataset name: Main

Page break options

- Add a page break before
- Add a page break after
- Keep together on one page if possible

Row Headers

- Repeat header rows on each page
- Keep header visible while scrolling

Column Headers

- Repeat header columns on each page
- Keep header visible while scrolling

-OR-

Properties

Tablix1

Filters

General

DataSetName	Main
FixedColumnHeaders	False
FixedRowHeaders	False
GroupsBeforeRowHeader	0
KeepTogether	False
Name	Tablix1
PageBreak	
PageName	
RepeatColumnHeaders	True
RepeatRowHeaders	True
ToolTip	

Localization

LabelLocID	
LayoutDirection	LTR
ToolTipLocID	

No Rows

Getting your report print ready

Define **Report Properties**

- paper size & margins
- Set “Consume Container White Space” to “True” (if it isn’t already)

Right click in the gray area of your report to see & update report properties

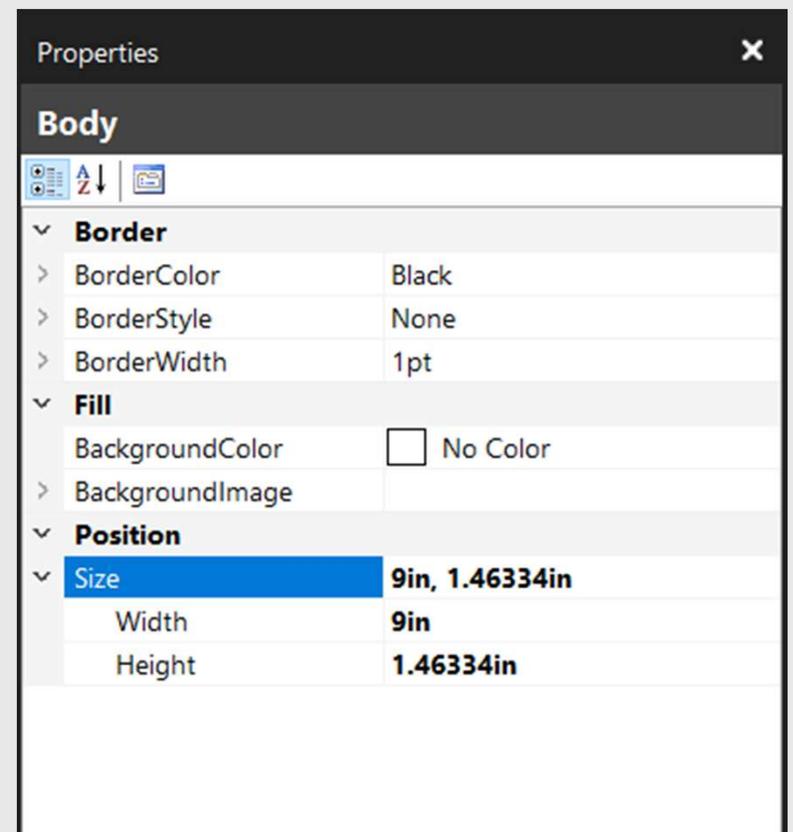
Set your **Body Properties** to match

Set **Body Width** = **Report Width less margin**

Width 11 inches – 2 * (1 inch margin) = **9 inches**

Body Height should leave **no white space** between end of Tablix & footer

Not sure what page size to use? **Check your office printers**



The screenshot shows the 'Properties' window for a report body. The 'Body' section is expanded, showing the following properties:

Border	
BorderColor	Black
BorderStyle	None
BorderWidth	1pt

Fill	
BackgroundColor	<input type="checkbox"/> No Color
BackgroundImage	

Position	
Size	
Width	9in, 1.46334in
Height	1.46334in

Bonus (if time)

Making your report title Dynamic

Quarter Name Region

Quarterly Sales Report for the South Sales Region

Q1-2022 to Q2-2023

Quarter Name	Q1-2022			Q2-2022			Q3-2022			Q4-2022		
	State	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit	Total Sales	Total Quantity	Average Price Per Unit
Alabama		120,220	0.74	89,179.58	96,408	0.72	68,946.74	105,917	0.71	75,577.04	105,244	0.70
Bauch LLC		49,228	0.75	36,677.03	50,682	0.71	35,872.06	48,578	0.70	34,062.12	62,342	0.72
Deckow LLC		70,992	0.74	52,502.55	45,726	0.72	33,074.68	57,339	0.72	41,514.92	42,902	0.68
Arkansas		57,778	0.70	40,226.81	65,357	0.66	43,279.41	60,463	0.72	43,675.11	42,687	0.68
Johns, Emard and West		57,778	0.70	40,226.81	65,357	0.66	43,279.41	60,463	0.72	43,675.11	42,687	0.68
Florida		181,243	0.72	130,062.44	157,192	0.67	105,502.72	262,889	0.69	182,375.66	225,291	0.71
Brekke, Steuber and Little		32,260	0.71	23,057.60	35,520	0.65	23,185.39	61,448	0.64	39,549.49	59,482	0.72
Emmerich-Treutel		31,253	0.74	23,249.96	38,195	0.69	26,475.00	52,634	0.67	35,175.57	53,457	0.66
Farrell-Runolfsson		58,929	0.70	41,319.00	49,995	0.68	33,805.00	63,043	0.70	43,864.94	70,083	0.70
Muller, Langosh and Denesik		58,801	0.72	42,435.88	33,482	0.66	22,037.33	85,764	0.74	63,785.66	42,269	0.76
Georgia		150,320	0.70	105,202.14	152,843	0.72	110,245.03	160,182	0.73	117,175.68	141,824	0.70
Crooks-Aufderhar		55,945	0.72	40,143.69	51,348	0.72	37,006.42	59,035	0.75	44,441.78	61,939	0.74
Goodwin Group		75,715	0.69	52,419.54	49,852	0.72	35,992.57	54,954	0.74	40,496.92	39,381	0.66

Creating a Dynamic Report Title

Region Midwest, Northeast, So ▾

- (Select All)
- Midwest
- Northeast
- South
- West

Example = Join(Parameters!Region.Value, ", ")

Output = "Midwest, Northeast, South"

=InStr

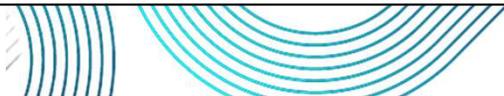
Example= InStr(Join(Parameters!Region.Value, ", "), ",")

Output = 8

=InStrRev

Example= InStrRev(Join(Parameters!Region.Value, ", "), ",")

Output = 7



You're already using Field Expressions (congrats!)

(Blue row are all headers – hard coded text boxes)

Stall No	Business	Primary Owner	Owner Phone	Owner Email	Owner Address
[StallNo]	[Business]	[PrimaryOwner]	[OwnerPhone]	[OwnerEmail]	[OwnerAddress]

=Fields!StallNo.Value

=Fields!OwnerPhone.Value

Handy Expressions: Text Manipulation

=Left("Paginated",3)

Output: Pag

=Right("Paginated",3)

Output: ted

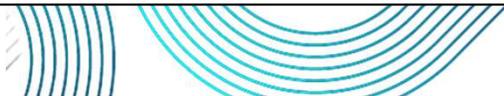
=Len("Paginated")

Output: 9

Concatenate with "&"

= [SpeakerName] & " Loves " & [Topic] & "!"

= Lenore Loves Paginated Reports!



Sound off.
The mic is all yours.
Influence the product roadmap.

Join the Fabric User Panel



Share your feedback directly with our
Fabric product group and researchers.

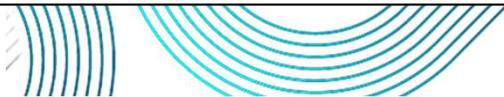
<https://aka.ms/JoinFabricUserPanel>

Join the SQL User Panel



Influence our SQL roadmap and ensure
it meets your real-life needs

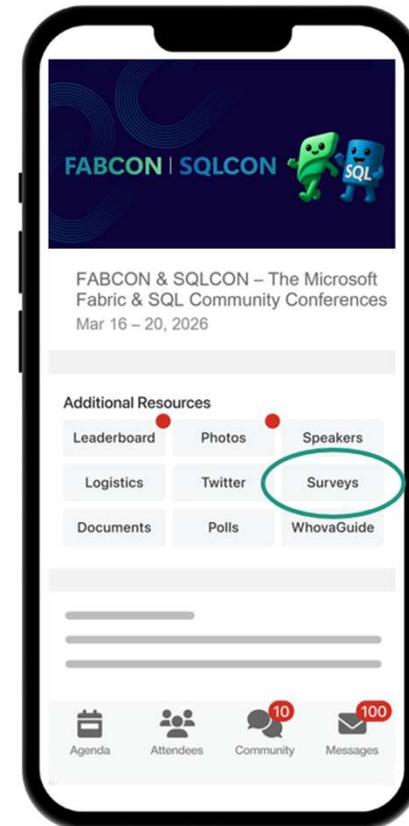
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