

Simple Visuals in the Power BI (Part II)

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INSTRUCTOR



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Power BI Visualization Continuing

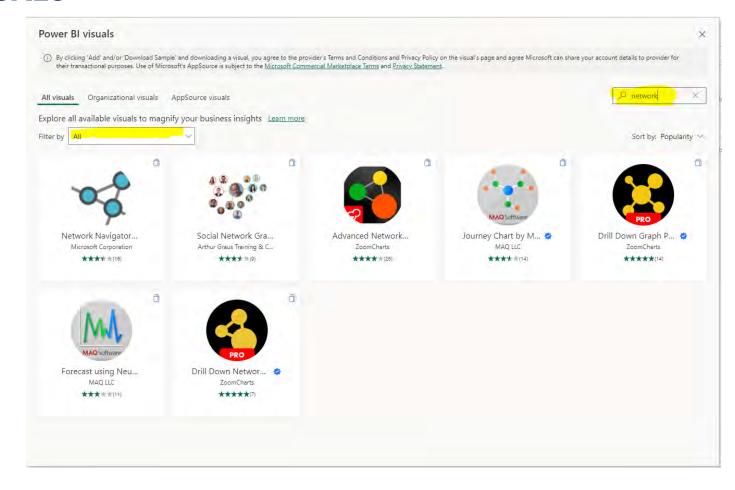
- √ KPI
- **√** Cards
- ✓ Tables
- ✓ Matrix

Additional Information

Conclusion and QA

MORE VISUALS





Attention!!!

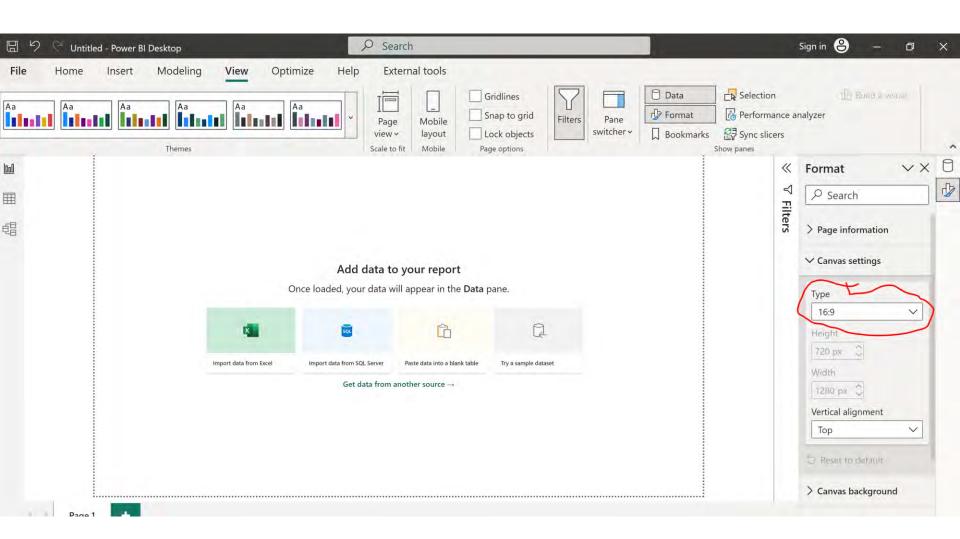
- Not all Visuals are free
- Not all are secure
- Look for Power BI Certified



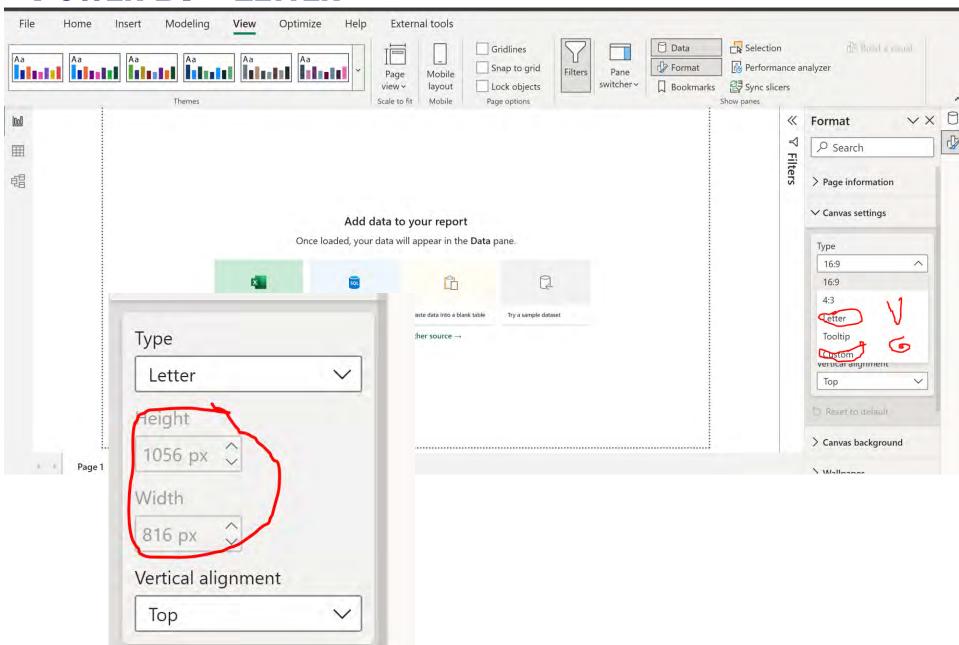
Power BI - Let's Start



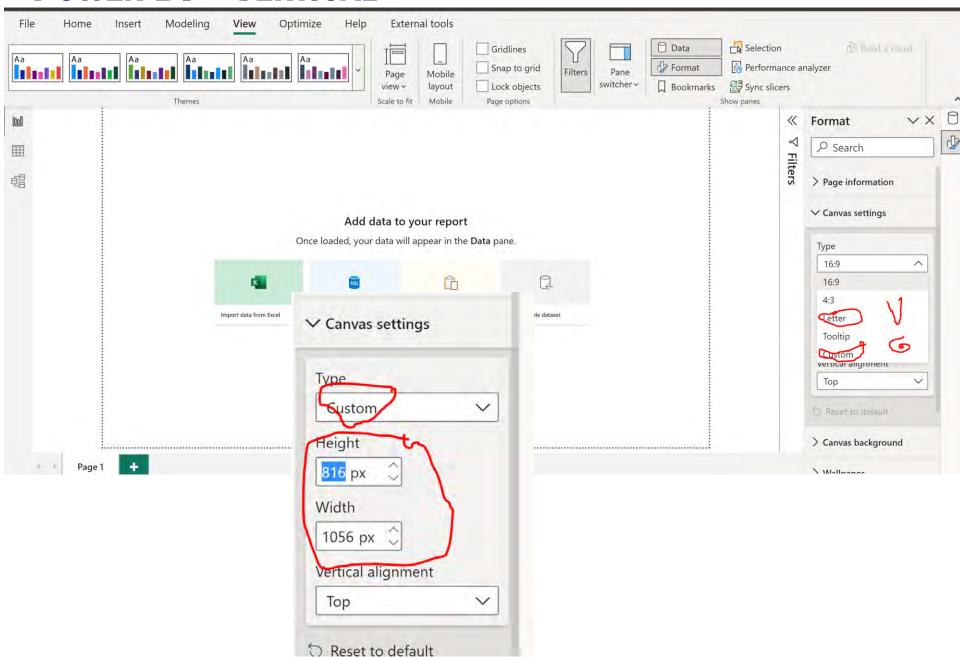
POWER BI – PAGE FORMAT



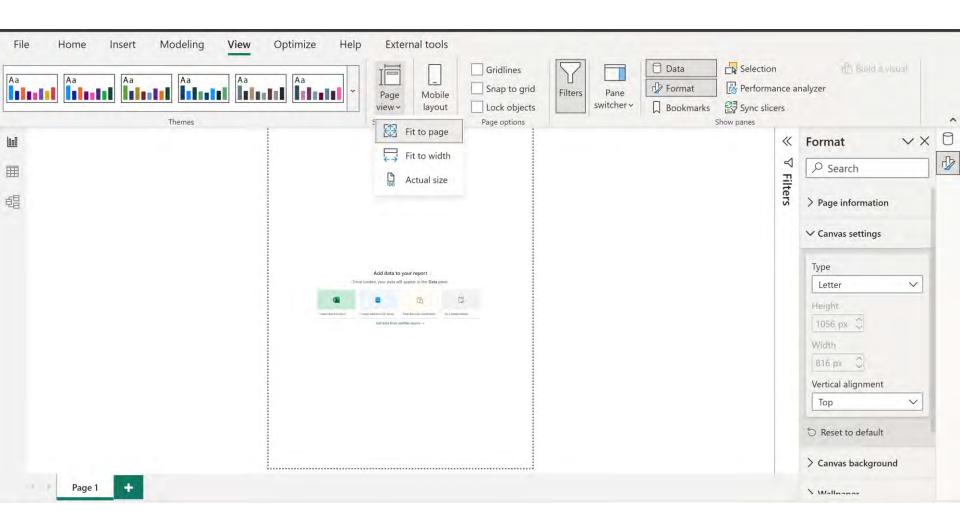
POWER BI – LETTER



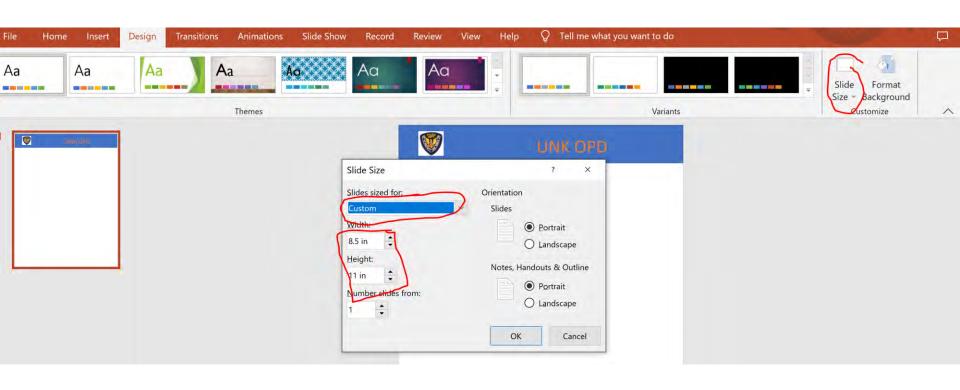
Power BI - Vertical

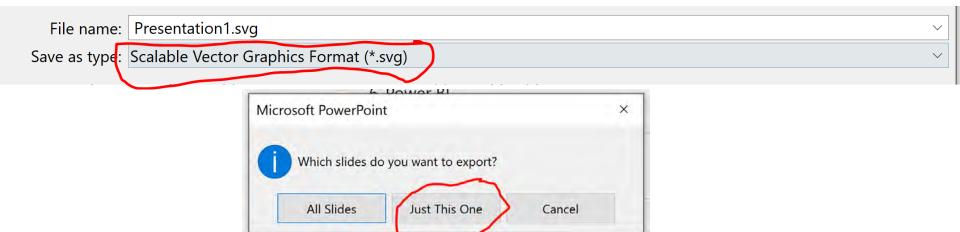


Power BI - Page View

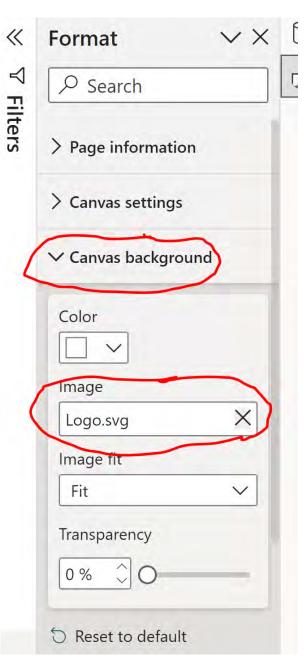


POWER BI - LOGO





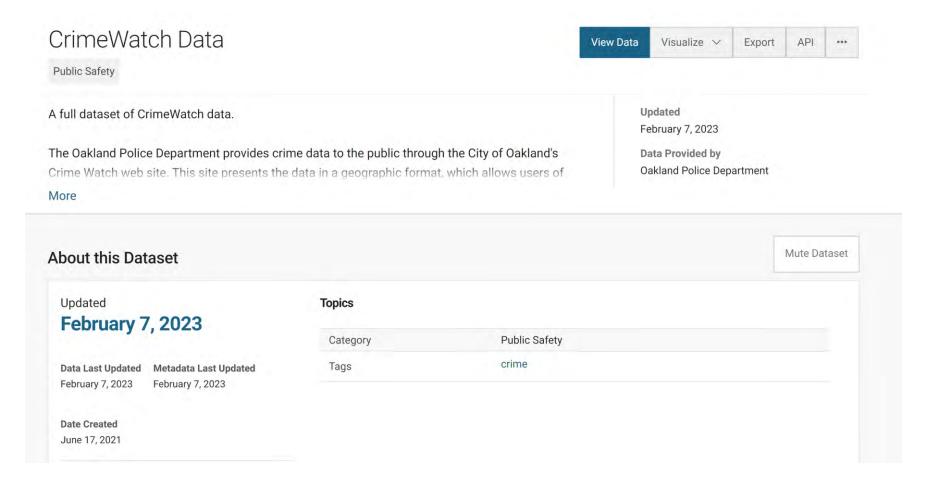
Power BI - LOGO



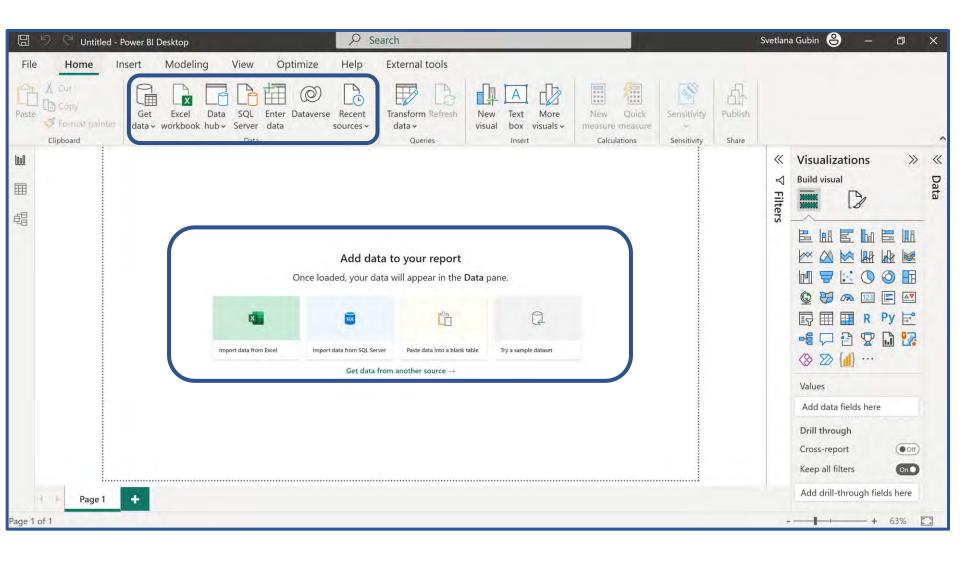
Power BI - Data Set

Source:

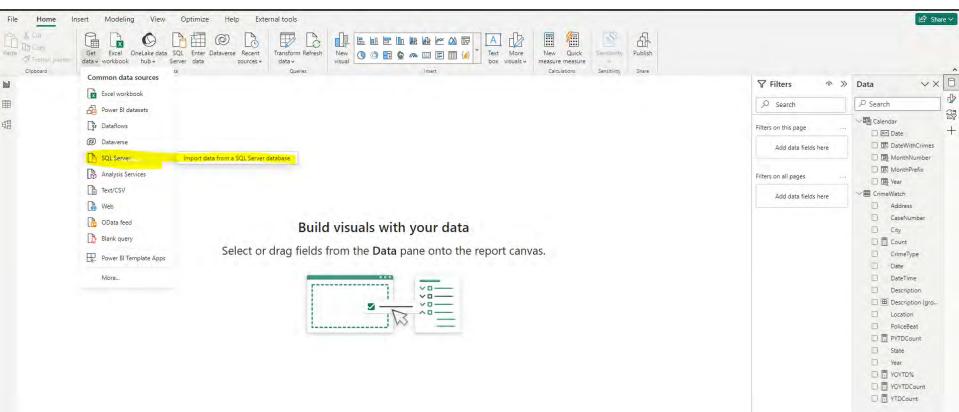
https://data.oaklandca.gov/PublicSafety/CrimeWatch-Data/ppgh-7dqv



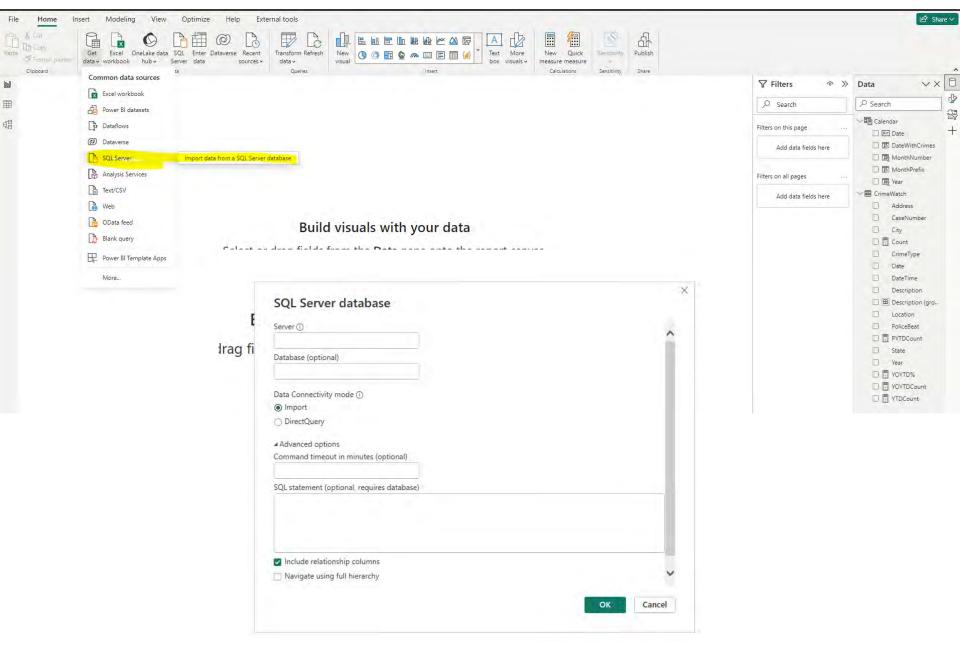
Power BI - Get Data

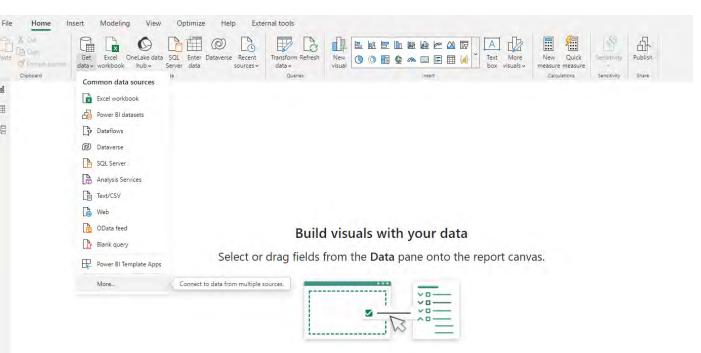


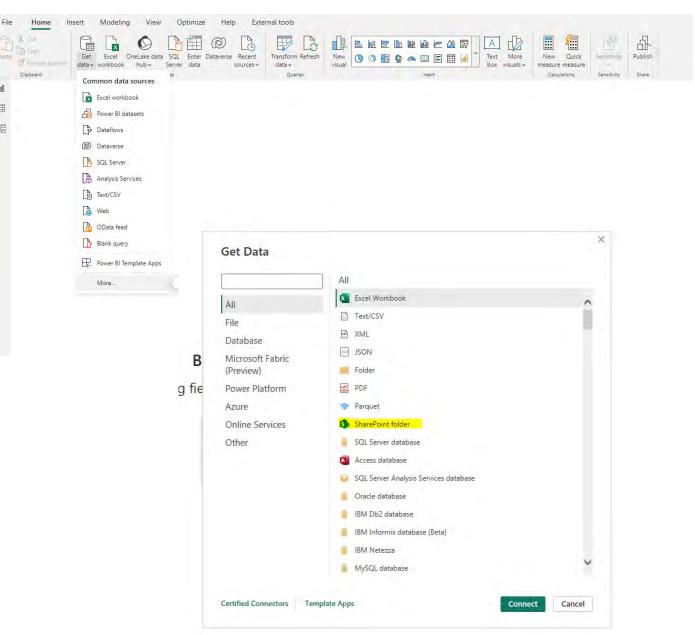
Power BI – SQL Server

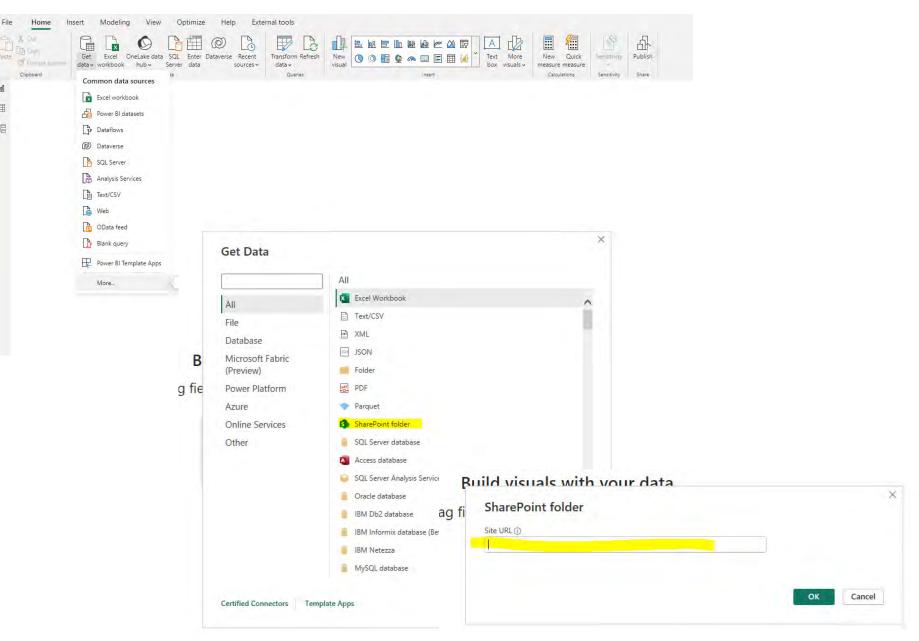


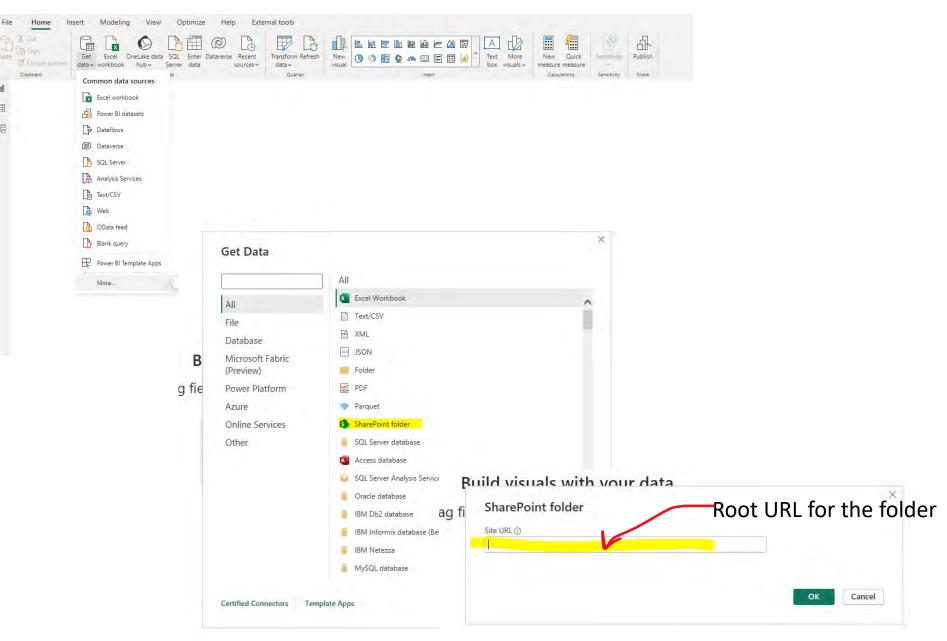
Power BI – SQL Server



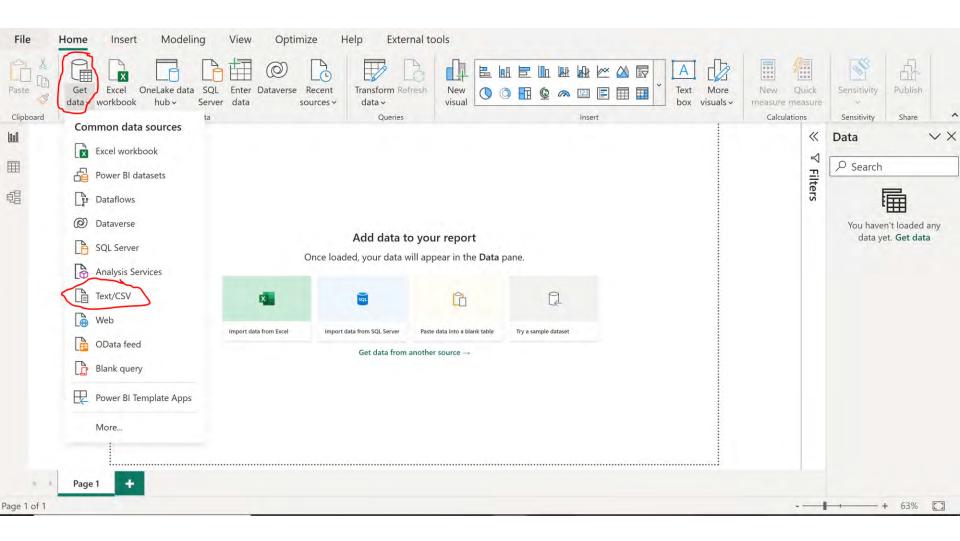




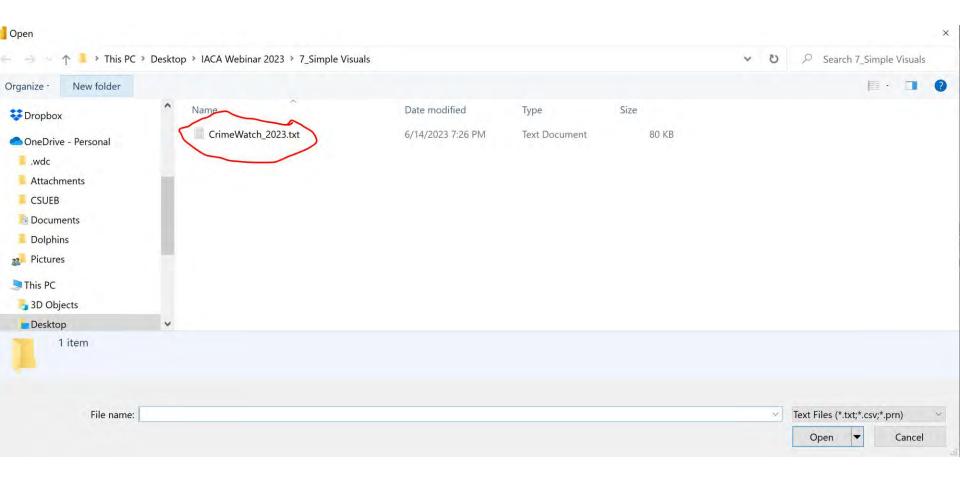




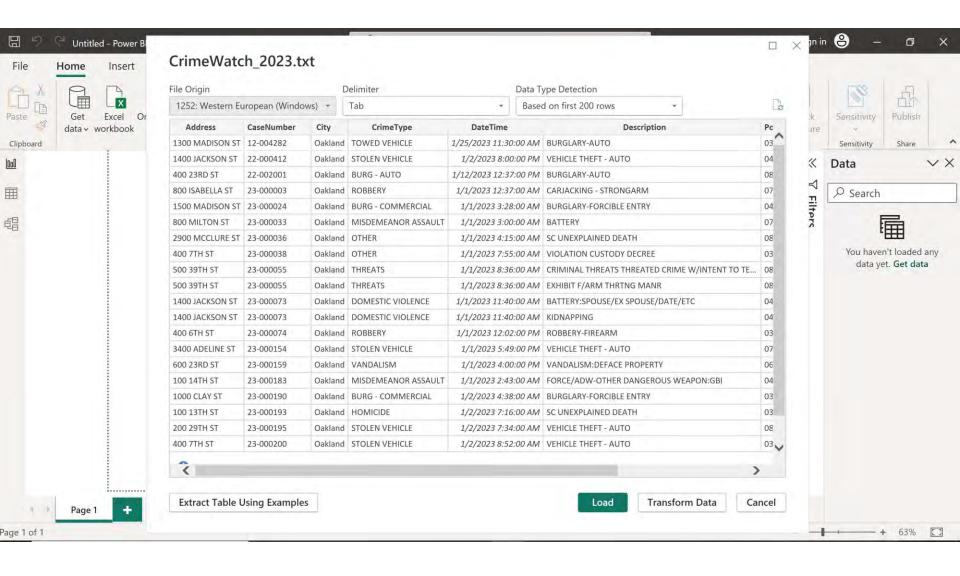
Power BI - Text/CSV



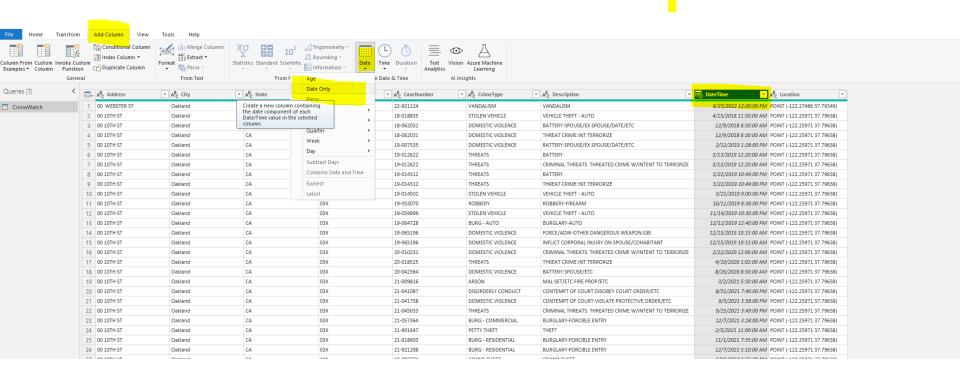
POWER BI – DATA



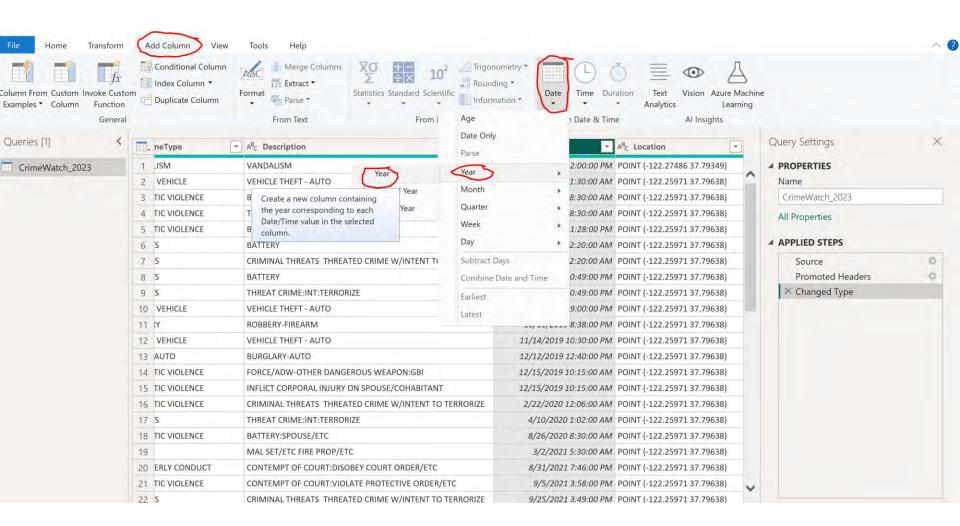
Power BI - Load Data



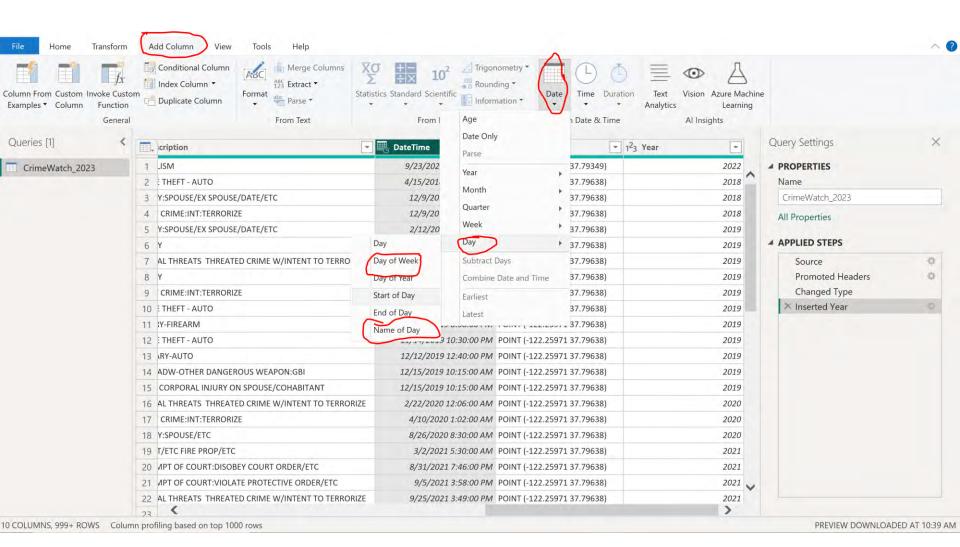
Power BI – Power Query



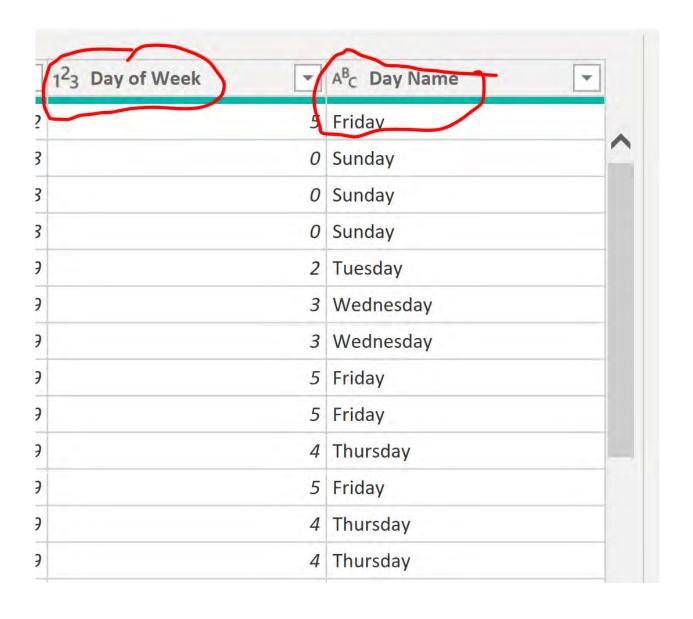
Power BI – Power Query



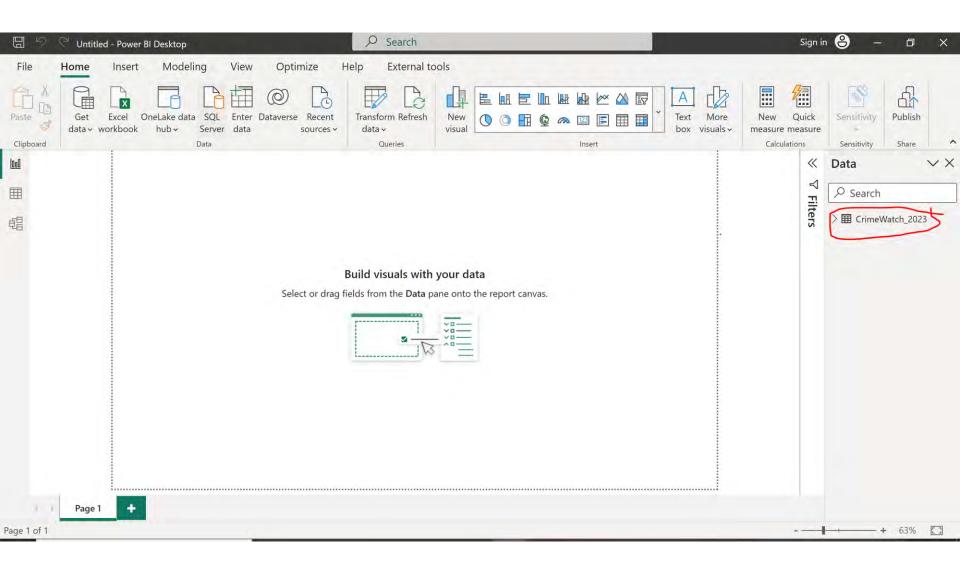
POWER BI – QUERY



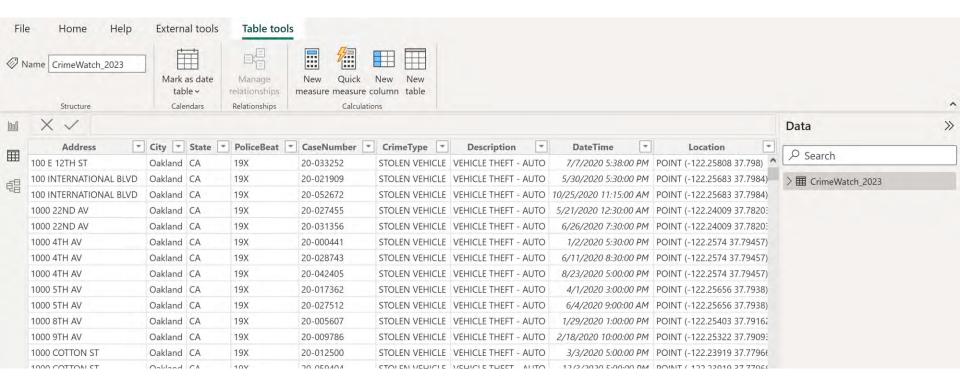
Power BI – Query



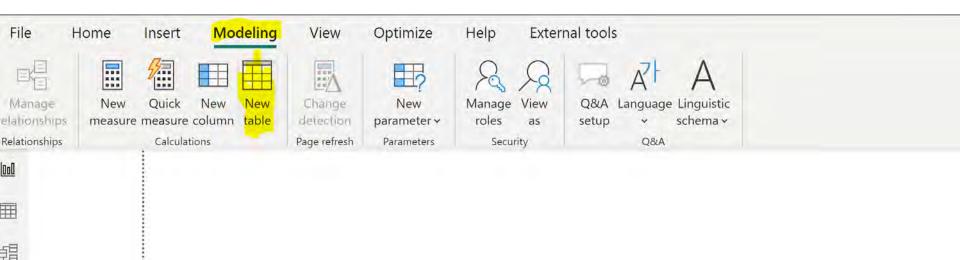
POWER BI – REPORT VIEW



Power BI - Data View

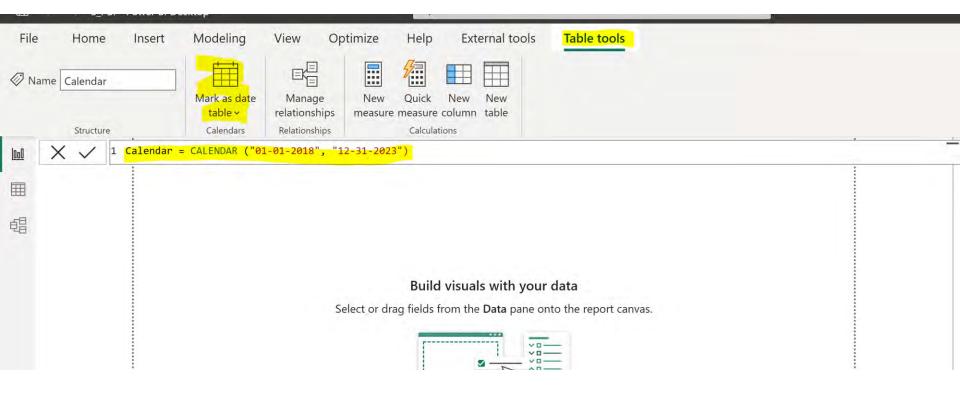


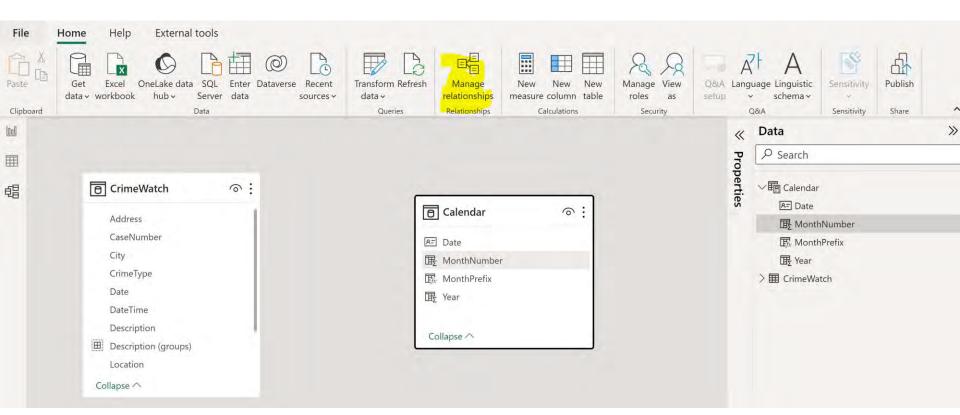
NEW TABLE

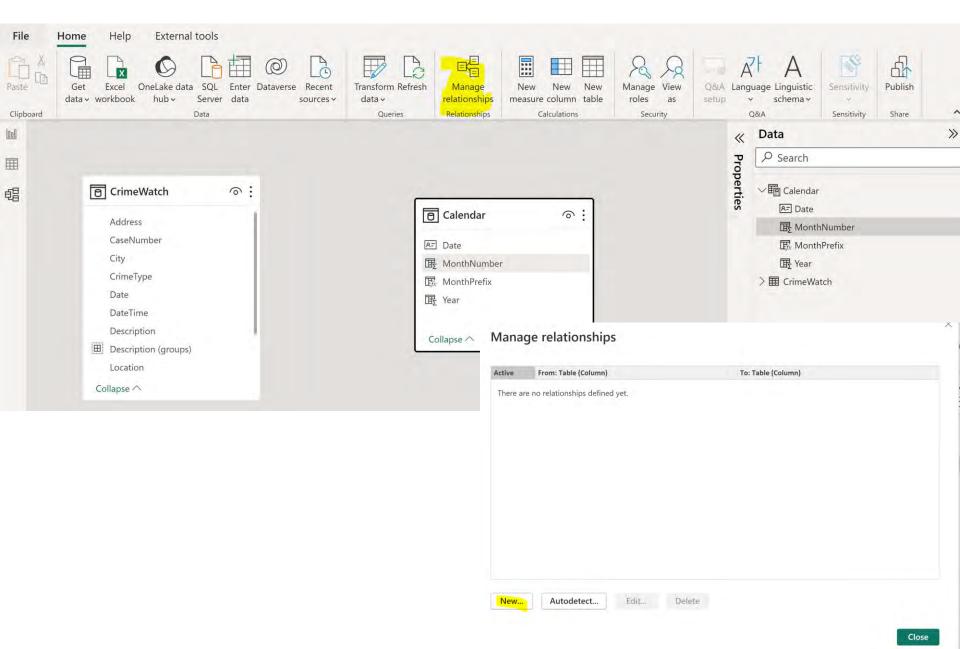


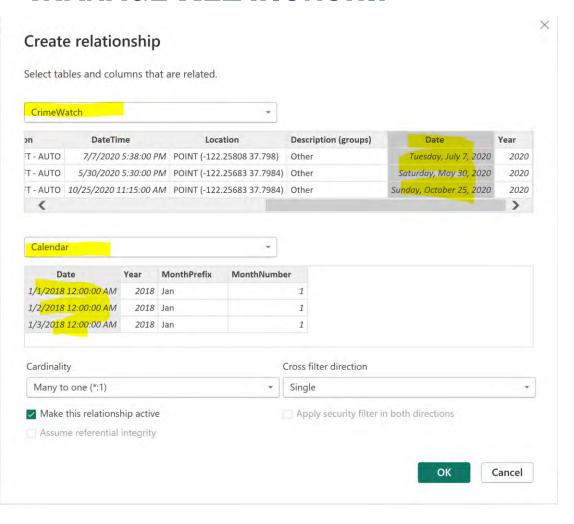
Build visuals with your data

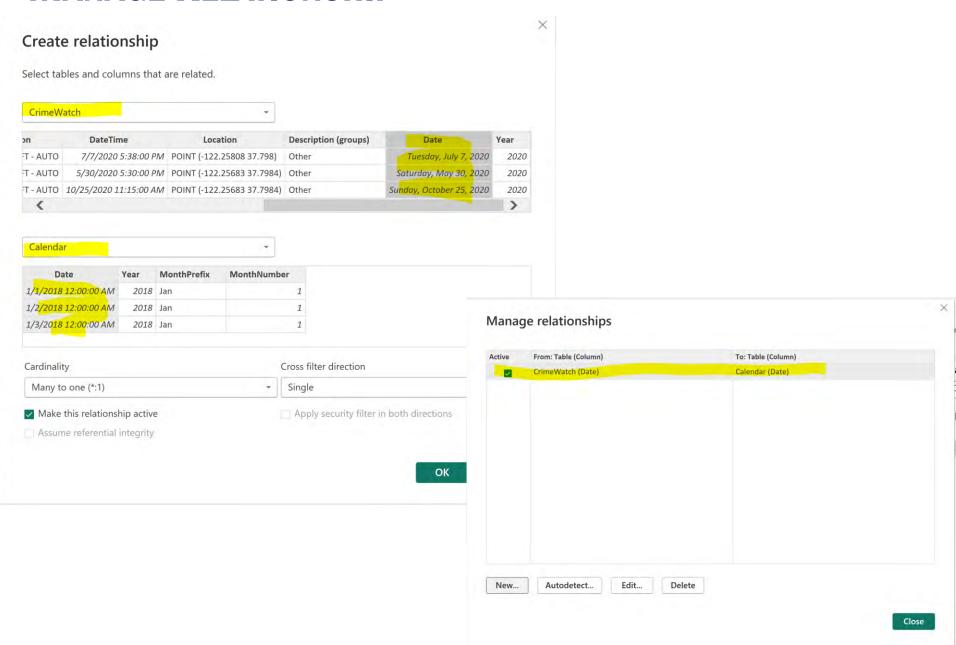
NEW TABLE

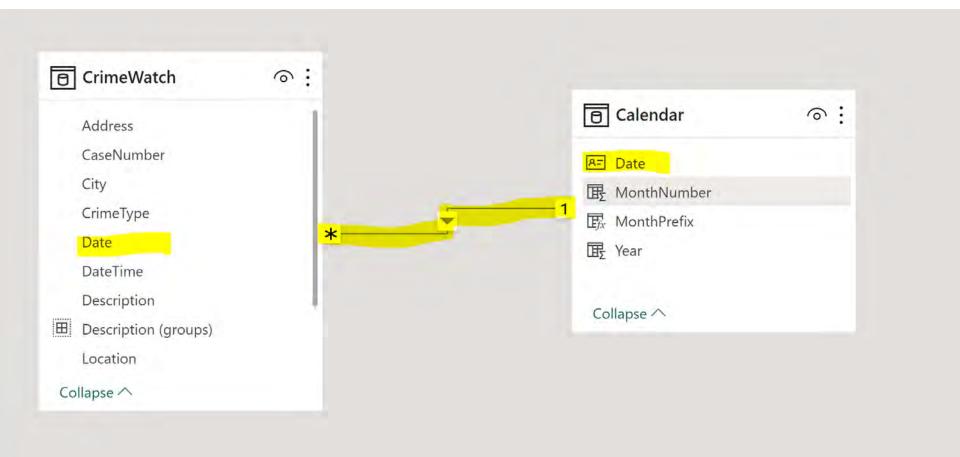




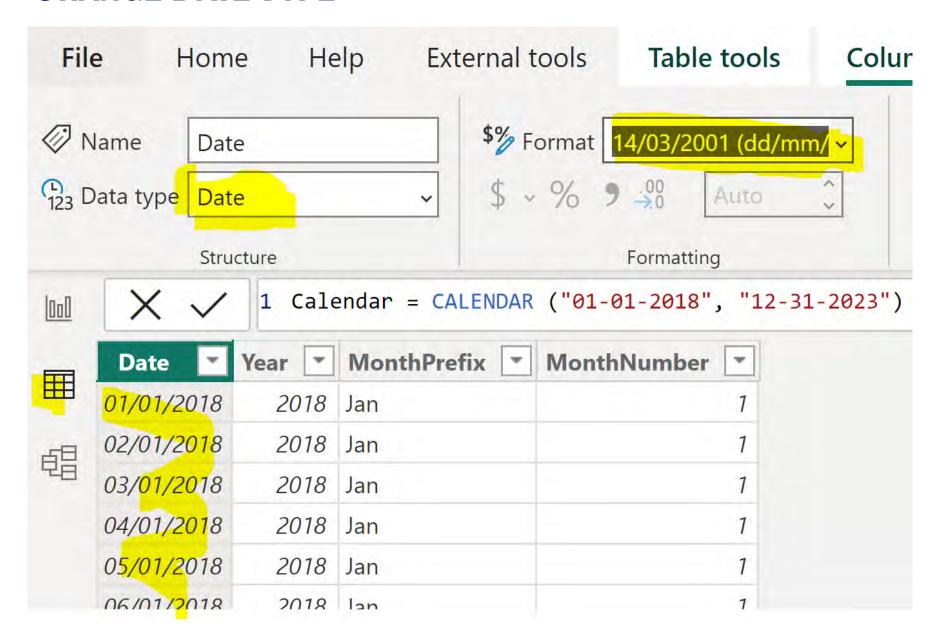








CHANGE DATE TYPE



ADD TABLE AND ADD COLUMN

New Table

```
Calendar = CALENDAR ("01-01-2018", "12-31-2023")
```

Add Column

```
Year = YEAR ('Calendar'[Date])

MonthNumber = MONTH ('Calendar' [Date])

MonthPrefix = FORMAT ('Calendar' [Date], "MMM")

DateWithCrimes =
  'Calendar'[Date]<=MAX('CrimeWatch'[Date])</pre>
```

MEASURES

```
Count = Count('CrimeWatch'[CaseNumber])
YTDCount = TOTALYTD([Count], 'Calendar'[Date])
PYTDCount = CALCULATE([YTDCount],
CALCULATETABLE(DATEADD('Calendar'[Date], -1, YEAR),
'Calendar'[DateWithCrimes] = TRUE))
YOYTDCount = IF(NOT ISBLANK([YTDCount]) && NOT
ISBLANK([PYTDCount]), [YTDCount] - [PYTDCount])
YOYTD% = IF([PYTDCount] = 0, "NC",
DIVIDE([YOYTDCount], [PYTDCount]))
```

VISUALS

Gauge, card, and KPI













KPI - Key Performance Indicators



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KPIs are quantifiable metrics used to measure the performance of a business or a specific aspect of it.



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KPIs help organizations evaluate their progress toward achieving strategic goals and objectives.

They provide a straightforward way to assess performance and make informed decisions based on data.

2023 YTD 1875 2021 YTD: 1932 (-2.95%) 08/06/2023

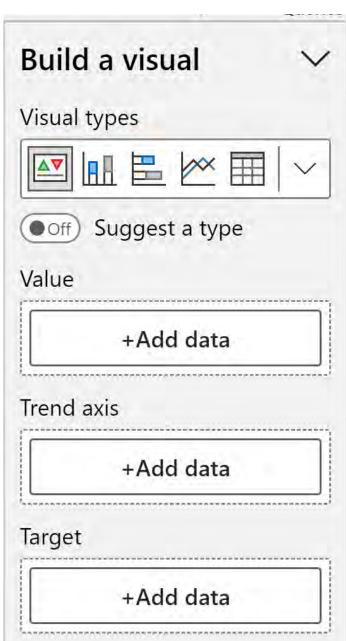
2023 YTD 1875 2021 YTD: 1932 (-2.95%) 08/06/2023

2023 YTD

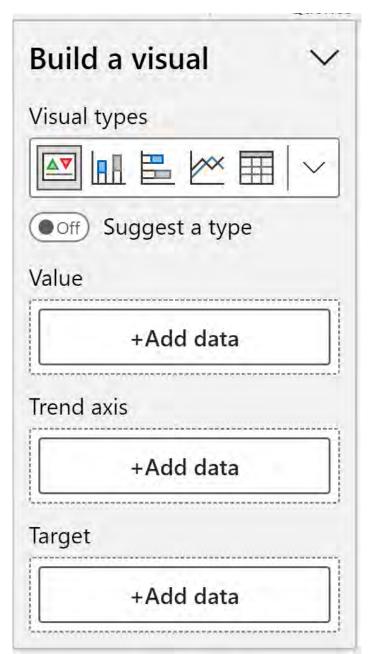
2314

2021 YTD: 1850 (+25.08%)
08/06/2023



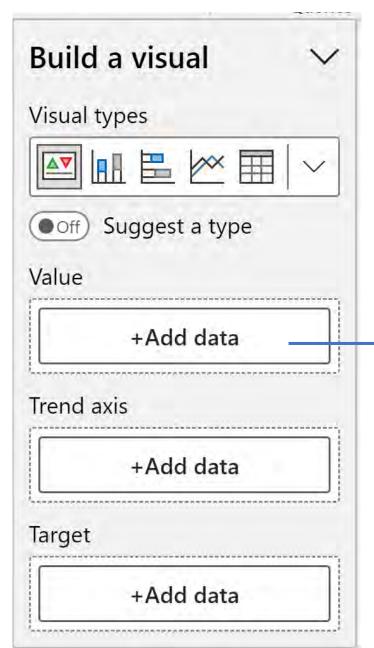






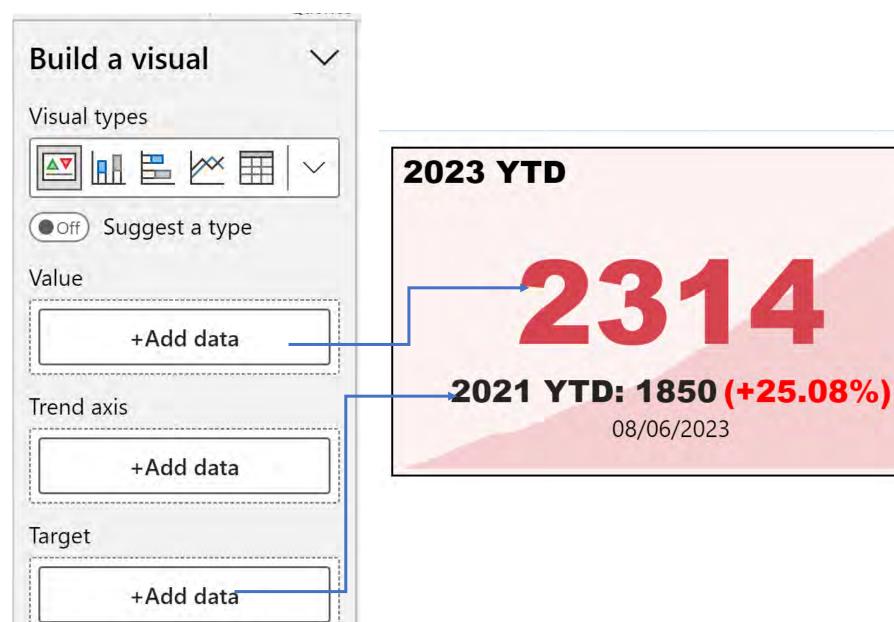




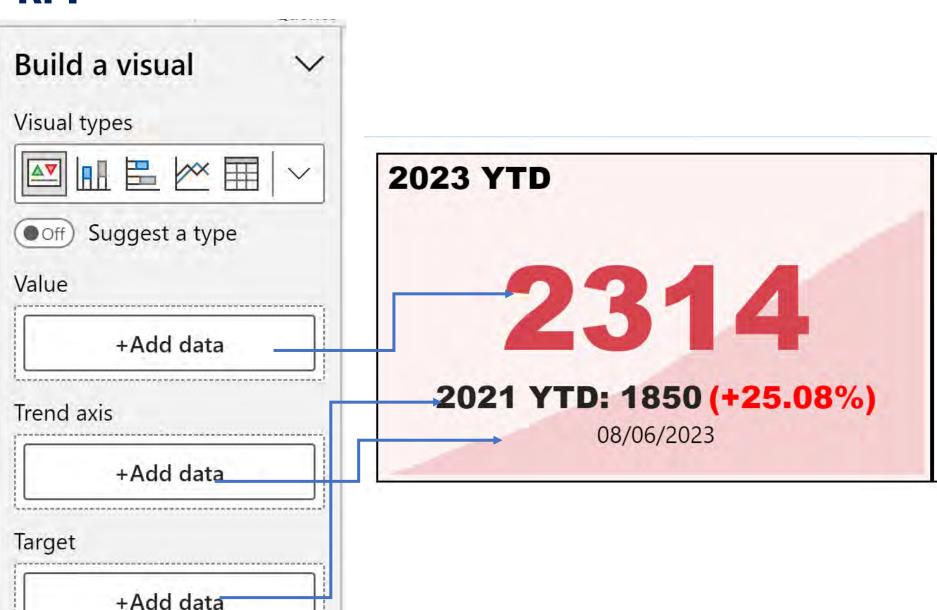




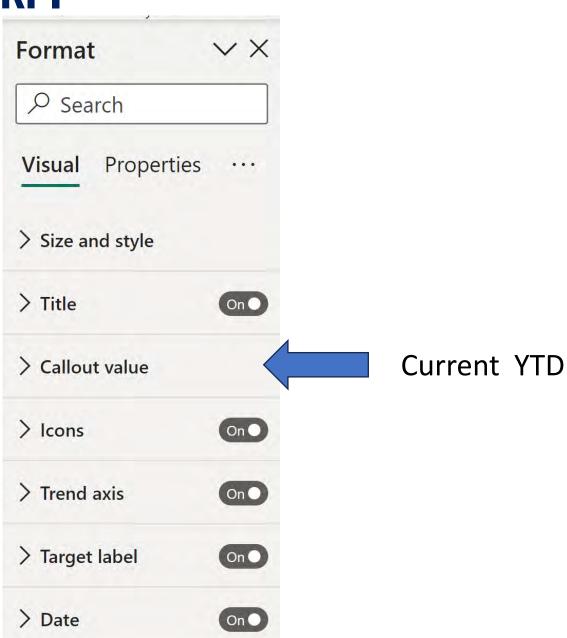


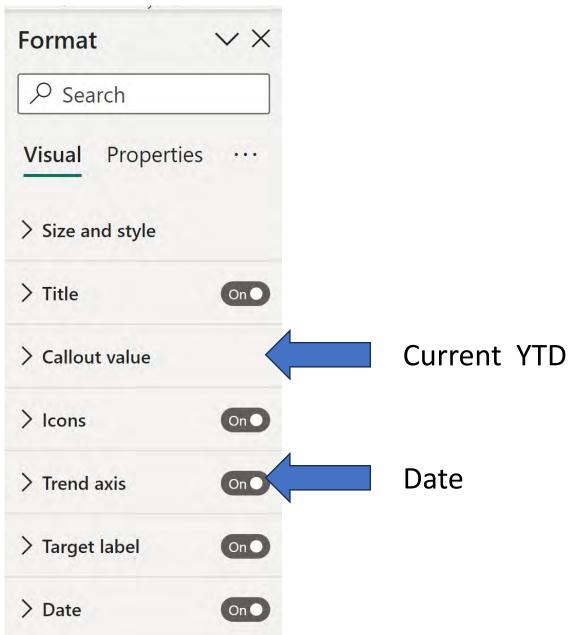


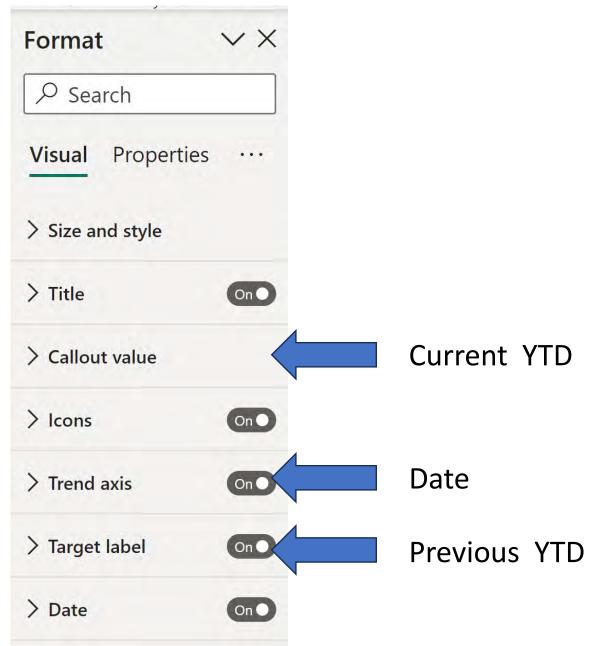




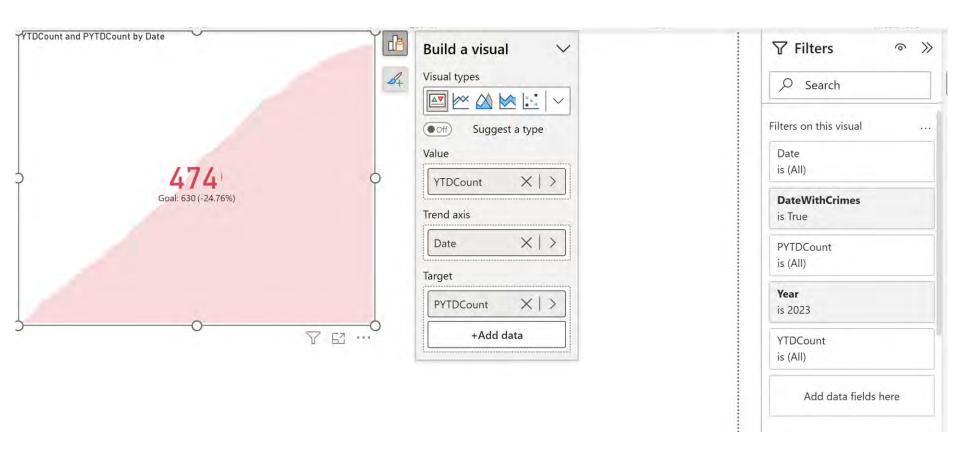
Format	v×
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Visual Properties	•••
> Size and style	
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> Callout value	
> Icons	On
> Trend axis	On
> Target label	On
> Date	On





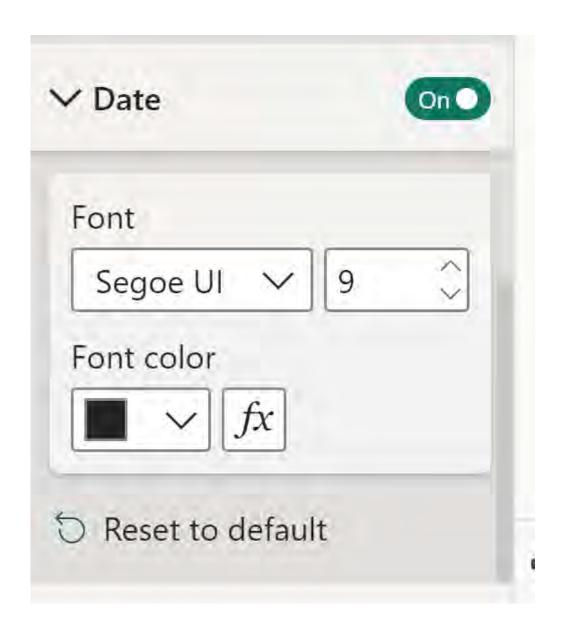


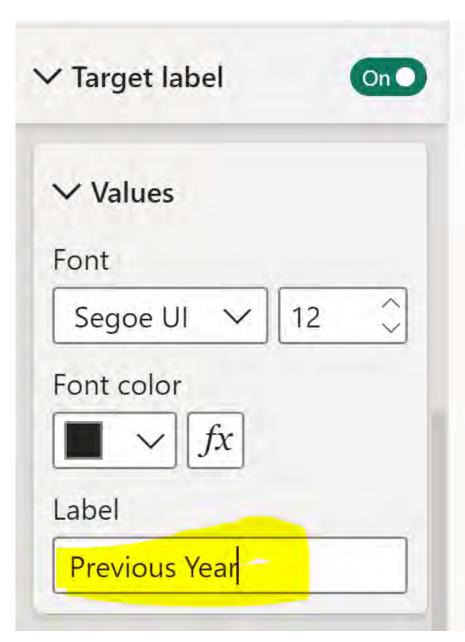


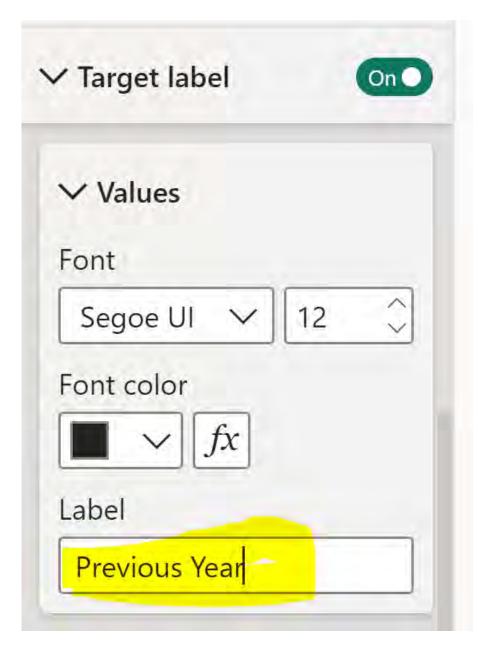


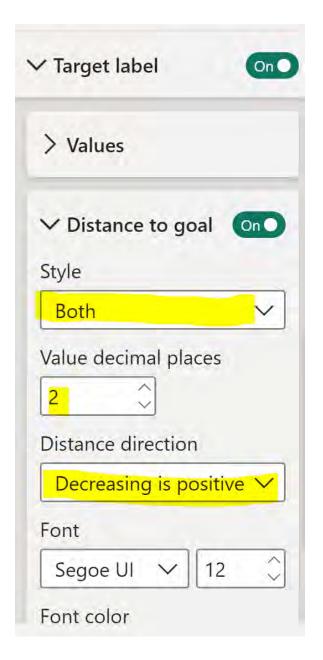






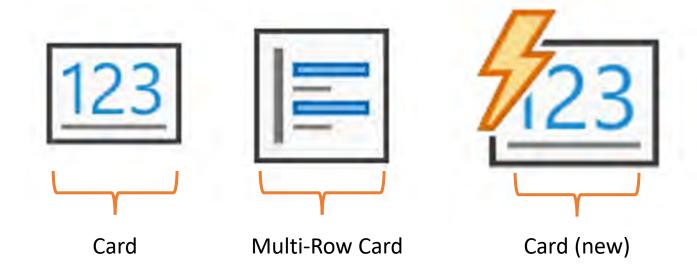








YTDCount and PYTDCount by Date 474 Previous Year: 630 (+24.76%) 05/02/2023



A single number, such as the total number of incidents, or total victims, is sometimes the most important thing you want to track such incidents per type.

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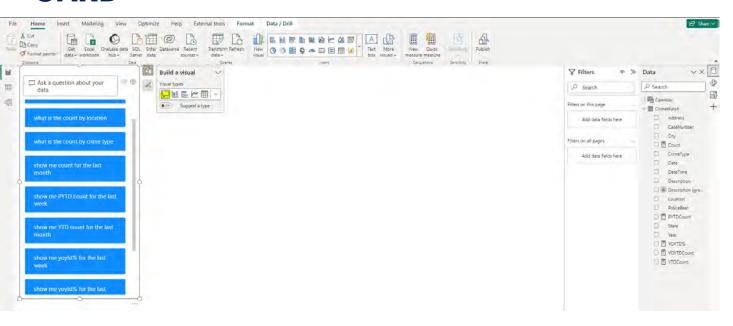
A type of visualization in Power BI called a *card* may be the best way to view that number.

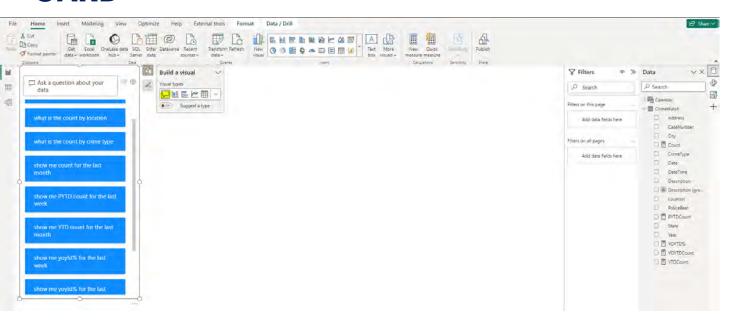
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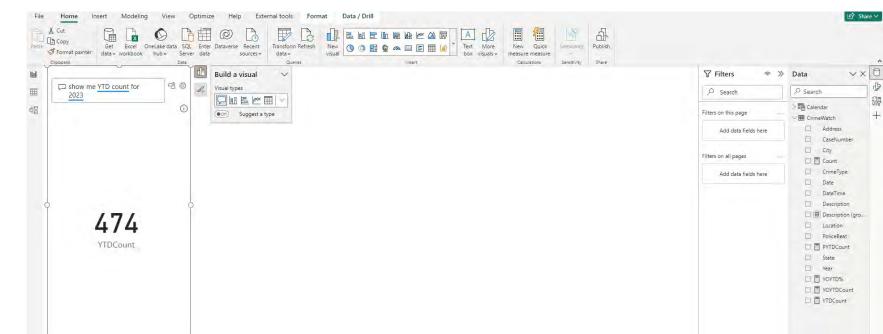
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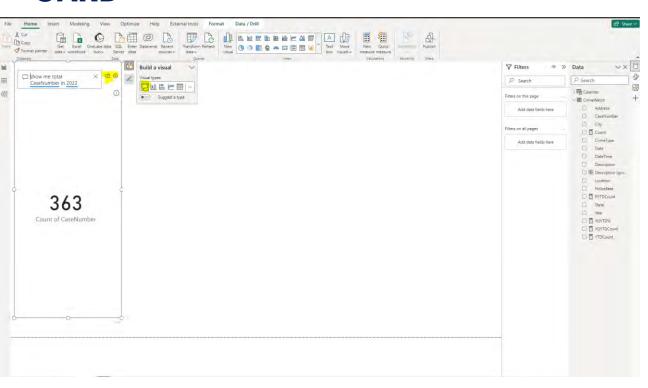
As with almost all the native Power BI visualizations, cards can be created using:

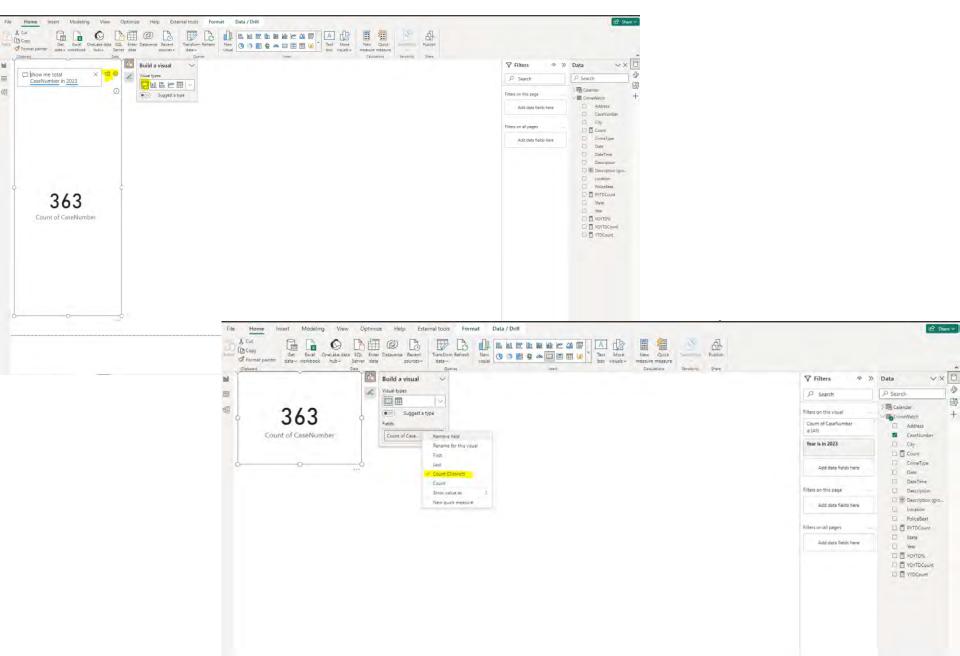
- Q&A
- the report editor.

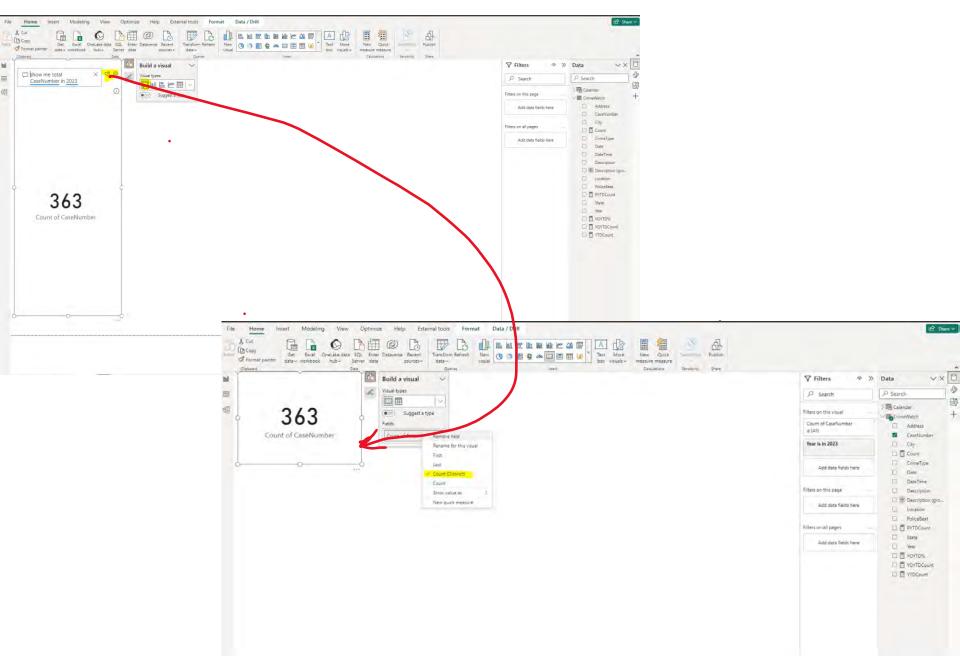


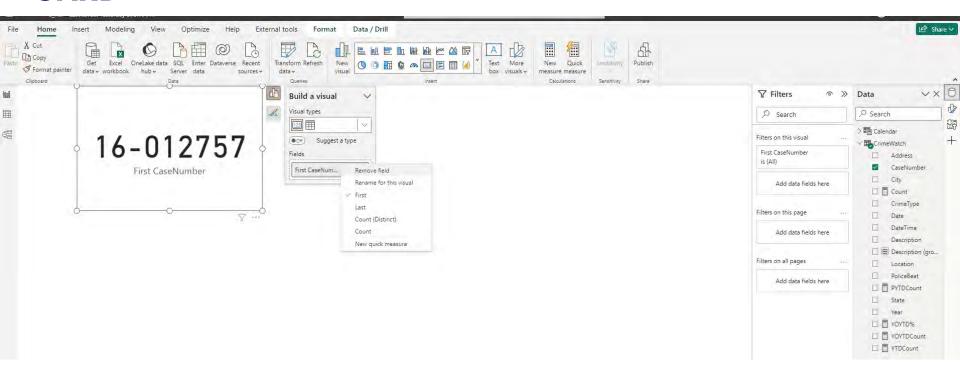


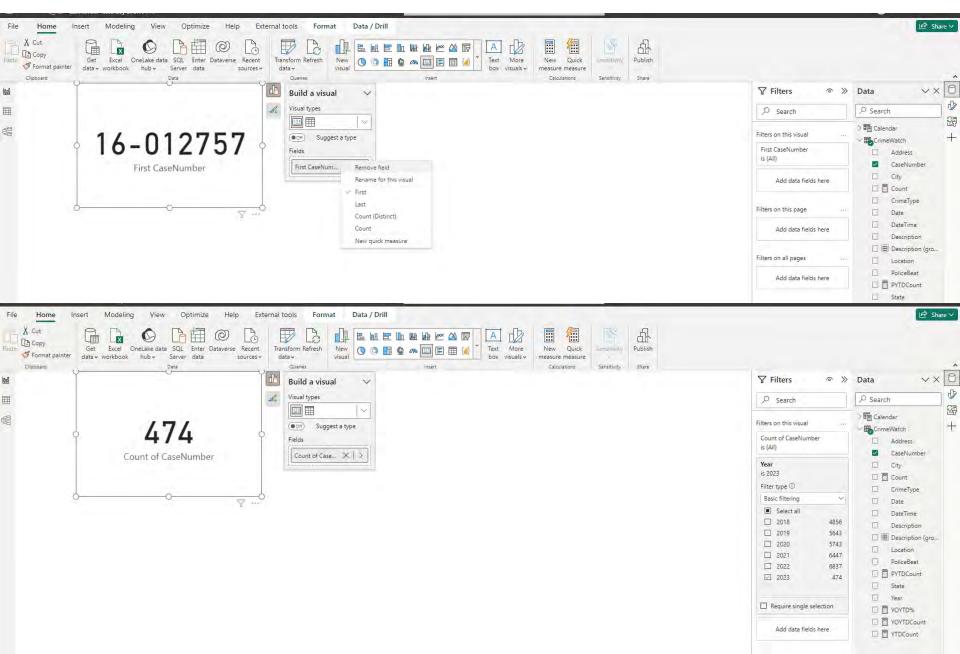


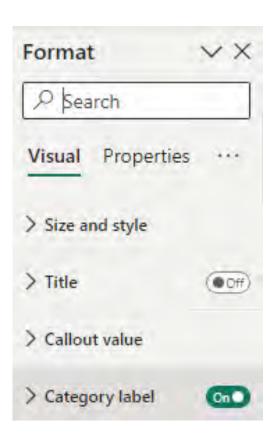






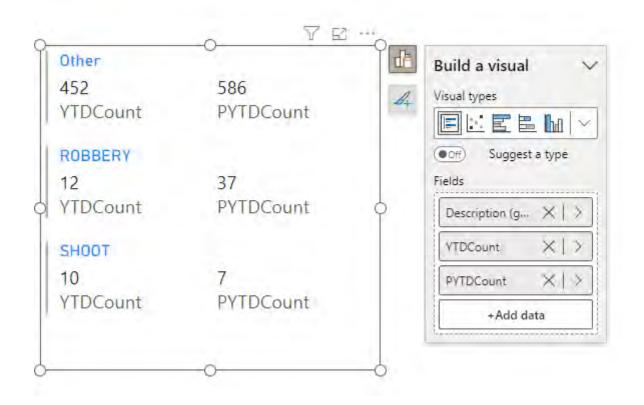


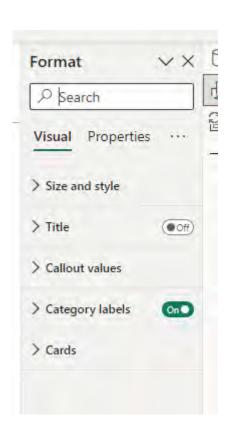


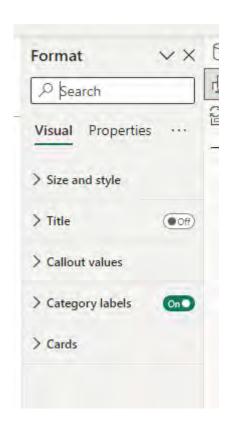


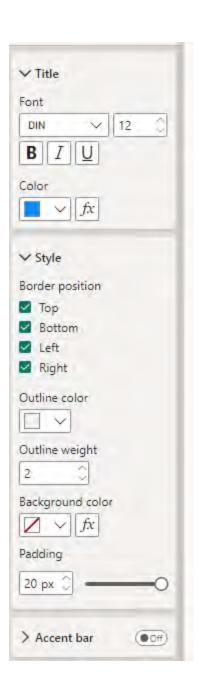
CARD

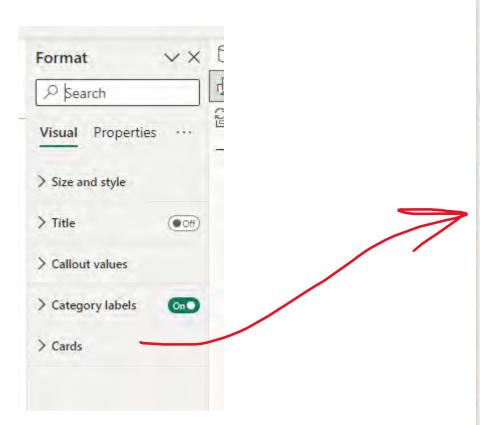


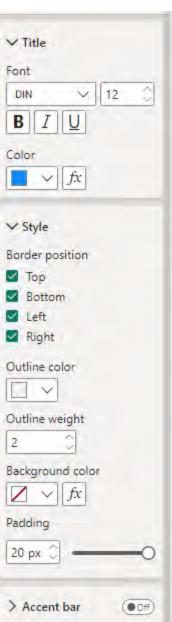




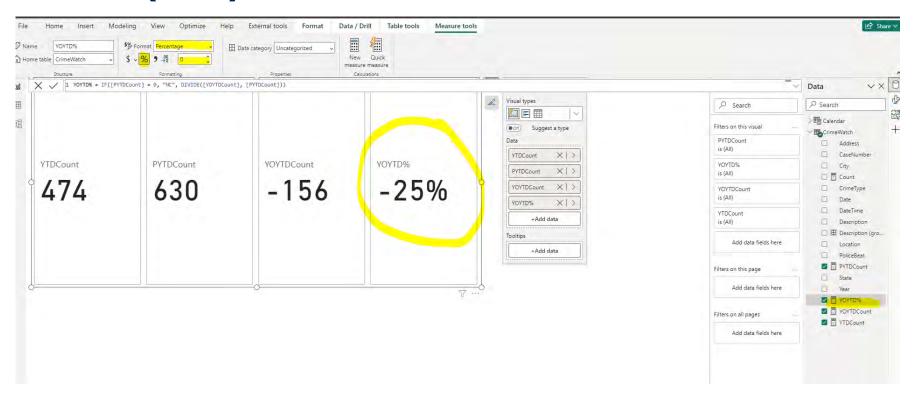




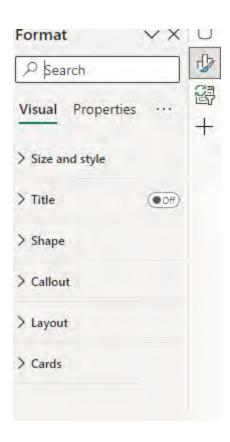




CARDS (NEW) - 2023



CARDS (NEW)



CARDS (NEW)



TABLE AND MATRIX

Table and matrix



TABLE AND MATRIX

Table and matrix





Table

The table is a basic 2-dimensional visual representing tabular data.

TABLE AND MATRIX





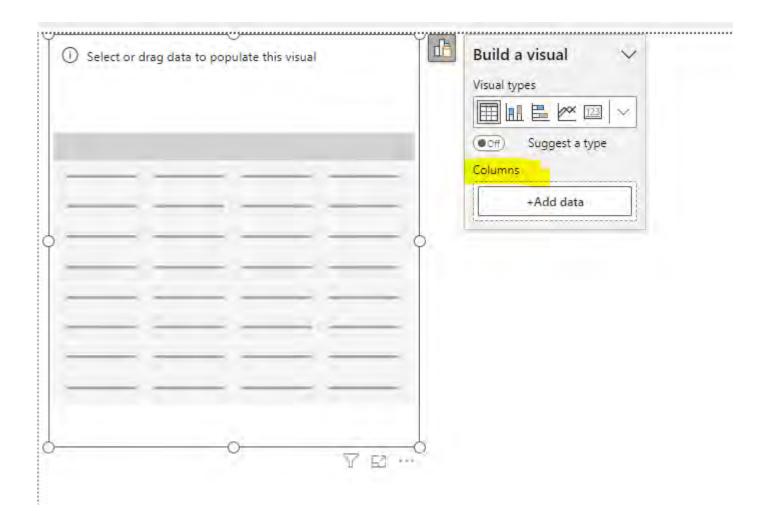


Table

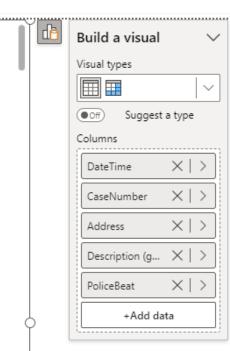
The table is a basic 2-dimensional visual representing tabular data.

Matrix

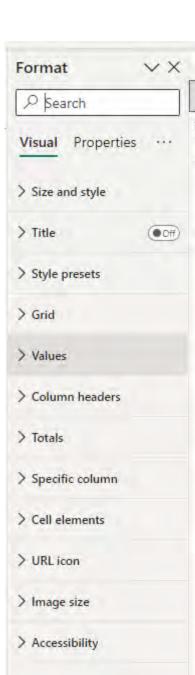
The matrix is the name given to Excel's pivot table in the world of Power BI. In Matrix visual, you can add rows, columns, and values, unlike Table.



Ï	DateTime	CaseNumber	Address	Description (groups)	PoliceBeat
	1/2/2020 12:20:00 PM	16-012757	100 2ND ST	Other	01X
	1/3/2018 5:00:00 PM	17-000495	1200 66TH AVE	Other	26Y
	1/29/2018 1:40:00 PM	17-005142	1500 40TH AVE	Other	23X
	1/1/2018 12:00:00 AM	17-066265	1200 80TH AV	Other	26Y
	1/1/2018 12:09:00 AM	18-000001	1000 91ST AV	Other	33X
	1/1/2018 12:04:00 AM	18-000002	105TH AV & INTERNATIONAL BLVD	Other	32X
	1/1/2018 12:03:00 AM	18-000011	1300 64TH AV	Other	26Y
	1/1/2018 12:01:00 AM	18-000016	1300 99TH AV	Other	32X
	1/1/2018 1:36:00 AM	18-000026	1100 82ND AV	Other	33X
	1/1/2018 2:26:00 AM	18-000036	1400 8TH AV	Other	19X
	1/1/2018 4:23:00 AM	18-000046	1300 97TH AV	Other	33X
	1/1/2018 6:52:00 AM	18-000050	1300 81ST AV	Other	26Y
	1/1/2018 6:15:00 AM	18-000063	1400 65TH AV	Other	27Y
	1/1/2018 1:00:00 AM	18-000088	100 KERWIN AV	Other	31Z
ļ	1/1/2018 2:08:00 PM	18-000093	1300 INTERNATIONAL BLVD	Other	19X
Ĭ	1/1/2018 6:39:00 PM	18-000118	00 SWAN WY	Other	31X
	1/1/2019 7:58:00 PM	18-000142	10600 RUSSETT	Other	31X
	1/1/2019 7:58:00 PM	18-000142	10600 RUSSETT	SHOOT	31X
	1/1/2018 2:00:00 PM	18-000156	1200 102ND AV	SHOOT	32X
	1/1/2018 4:00:00 PM	18-000266	1400 37TH AV	Other	23X
	1/2/2018 3:56:00 PM	18-000276	1300 88TH AV	Other	33X
	1/1/2018 6:00:00 PM	18-000359	100 FRANKLIN ST	Other	01X
	1/2/2018 11:40:00 PM	18-000367	100 HEGENBERGER LOOP	Other	31Y
	1/3/2018 1:30:00 AM	18-000375	1500 27TH AV	Other	20X
	1/3/2018 5:00:00 AM	18-000398	1300 81ST AV	Other	26Y
	1/2/2018 1:45:00 PM	18-000410	10100 INTERNATIONAL BLVD	Other	32X
	1/1/2018 12:00:00 AM	18-000422	1100 65TH AV	Other	26Y
	1/3/2018 4:30:00 AM	18-000429	100 98TH AV	Other	31Y
	1/3/2018 12:17:00 PM	18-000451	1100 11TH AV	Other	19X
	1/3/2018 2:19:00 PM	18-000474	100 98TH AV	Other	31Y
	1/3/2018 2:35:00 PM	18-000478	1400 17TH AV	Other	19X
Ţ			/ C C C C C C C C C C C C C C C C C C C	A.1	2217



7 63 ...



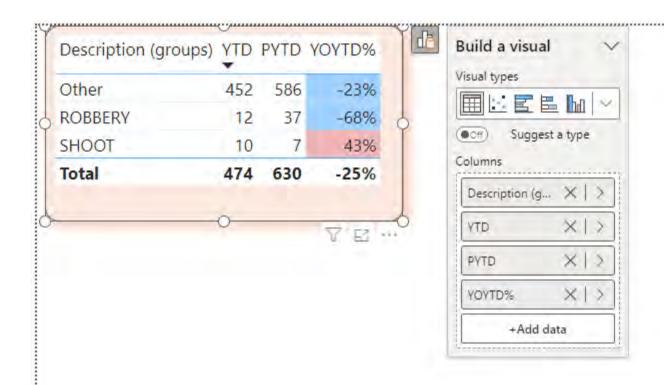
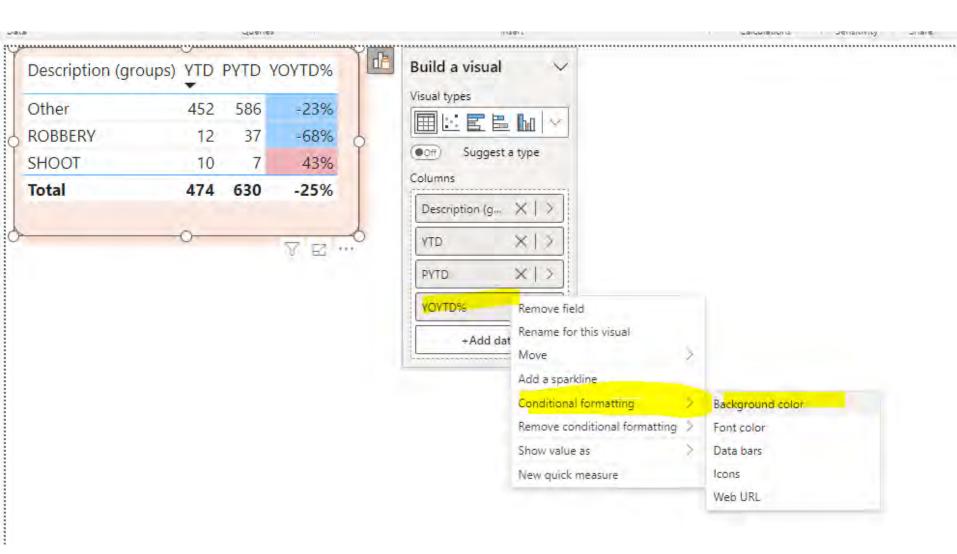
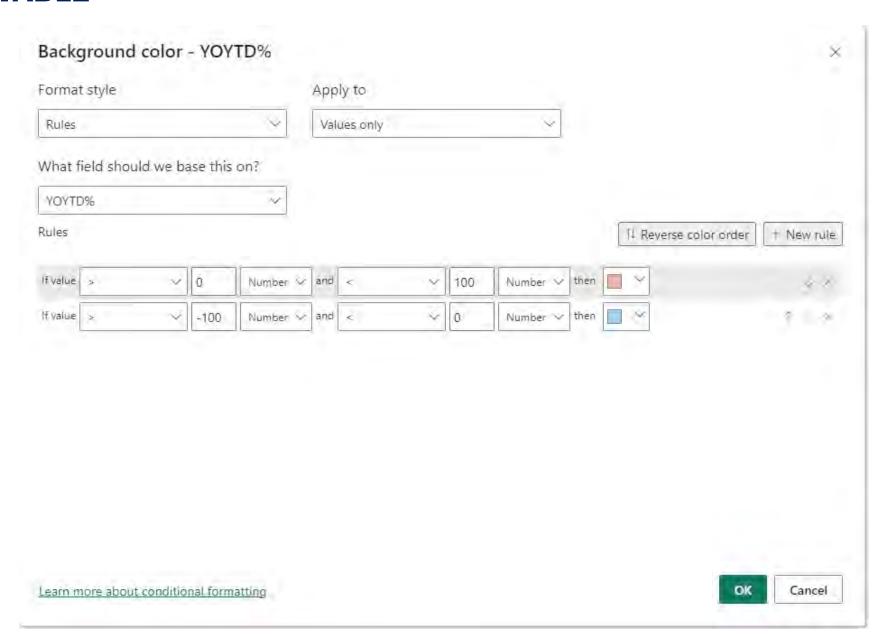
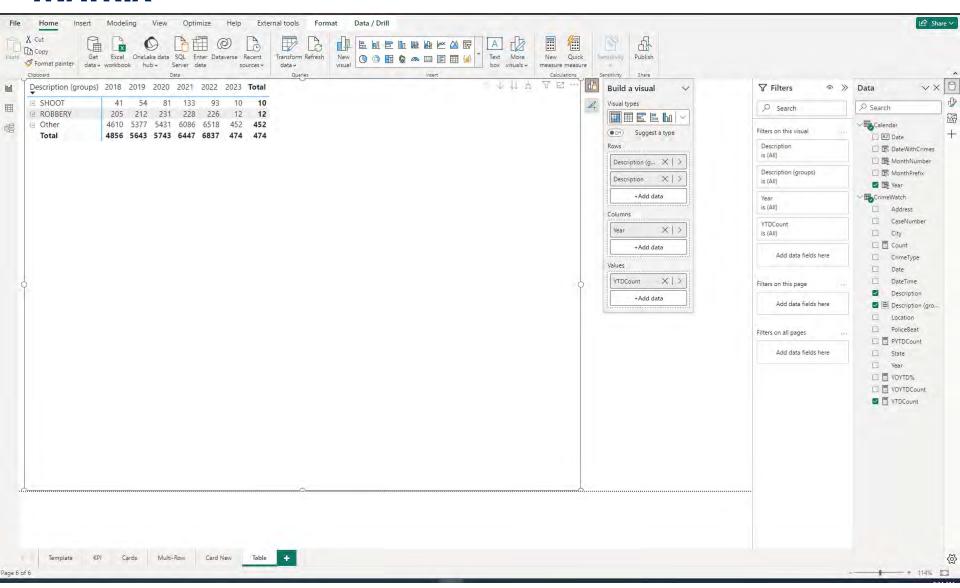


TABLE CONDITIONAL FORMATTING

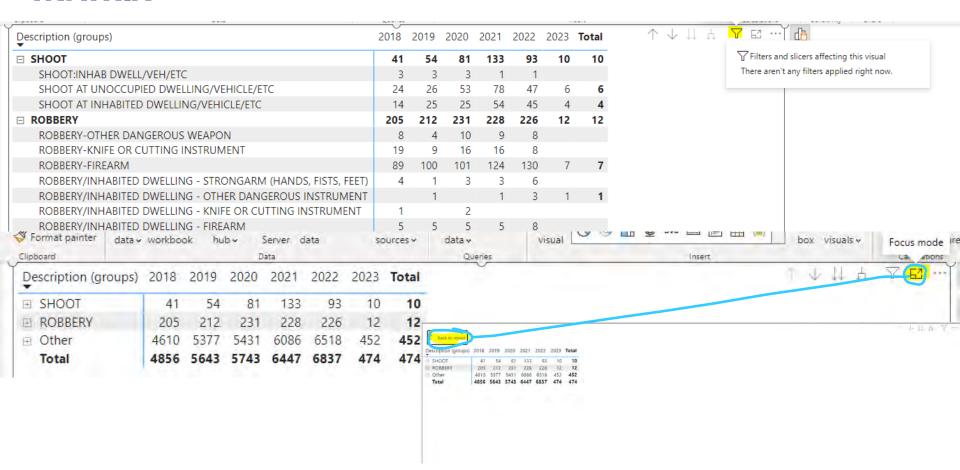


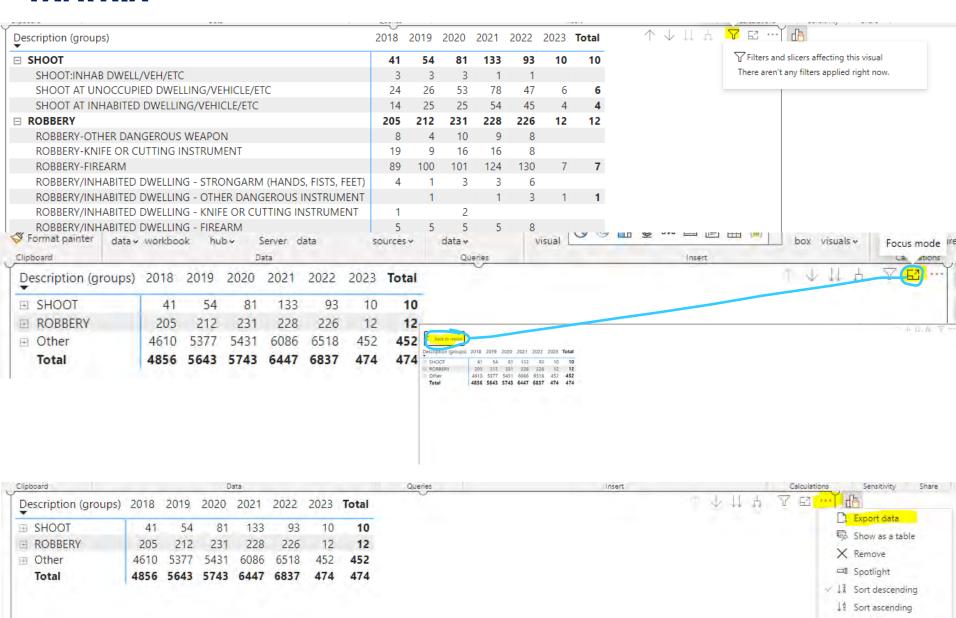




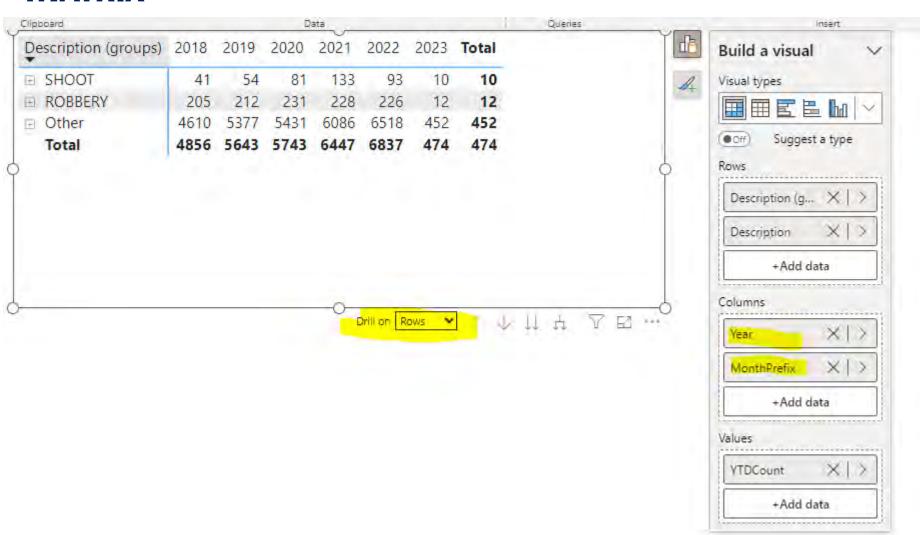
Description (groups)	2018	2019	2020	2021	2022	2023	Total
□ SHOOT	41	54	81	133	93	10	10
SHOOT:INHAB DWELL/VEH/ETC	3	3	3	1	1		
SHOOT AT UNOCCUPIED DWELLING/VEHICLE/ETC	24	26	53	78	47	6	6
SHOOT AT INHABITED DWELLING/VEHICLE/ETC	14	25	25	54	45	4	4
ROBBERY	205	212	231	228	226	12	12
ROBBERY-OTHER DANGEROUS WEAPON	8	4	10	9	8		
ROBBERY-KNIFE OR CUTTING INSTRUMENT	19	9	16	16	8		
ROBBERY-FIREARM	89	100	101	124	130	7	7
ROBBERY/INHABITED DWELLING - STRONGARM (HANDS, FISTS, FEET)	4	1	3	3	6		
ROBBERY/INHABITED DWELLING - OTHER DANGEROUS INSTRUMENT		1		1	3	1	1
ROBBERY/INHABITED DWELLING - KNIFE OR CUTTING INSTRUMENT	1		2				
ROBBERY/INHABITED DWELLING - FIREARM	5	5	5	5	8		
ROBBERY/ATM - STRONGARM (HANDS, FISTS, FEET)				1	1		
ROBBERY/ATM - FIREARM			1				
ROBBERY - STRONG ARM (HANDS, FISTS, FEET, ETC.)	79	92	93	69	62	4	4
⊕ Other	4610	5377	5431	6086	6518	452	452
Total	4856	5643	5743	6447	6837	474	474

Description (groups)	2018	2019	2020	2021	2022	2023	Total	$\downarrow \uparrow \uparrow \uparrow \uparrow \uparrow$	₹ 62	1
□ SHOOT	41	54	81	133	93	10	10		▼ Filters a	nd slicers affecting this vis
SHOOT:INHAB DWELL/VEH/ETC	3	3	3	1	1				There are	't any filters applied right
SHOOT AT UNOCCUPIED DWELLING/VEHICLE/ETC	24	26	53	78	47	6	6			
SHOOT AT INHABITED DWELLING/VEHICLE/ETC	14	25	25	54	45	4	4			
□ ROBBERY	205	212	231	228	226	12	12			
ROBBERY-OTHER DANGEROUS WEAPON	8	4	10	9	8					
ROBBERY-KNIFE OR CUTTING INSTRUMENT	19	9	16	16	8					
ROBBERY-FIREARM	89	100	101	124	130	7	7			
ROBBERY/INHABITED DWELLING - STRONGARM (HANDS, FISTS, FEET)	4	1	3	3	6					
ROBBERY/INHABITED DWELLING - OTHER DANGEROUS INSTRUMENT		1		1	3	1	1			
ROBBERY/INHABITED DWELLING - KNIFE OR CUTTING INSTRUMENT	1		2							
ROBBERY/INHABITED DWELLING - FIREARM	5	5	5	5	8					
ROBBERY/ATM - STRONGARM (HANDS, FISTS, FEET)				1	1					
ROBBERY/ATM - FIREARM			1							
ROBBERY - STRONG ARM (HANDS, FISTS, FEET, ETC.)	79	92	93	69	62	4	4			
⊕ Other	4610	5377	5431	6086	6518	452	452			
Total	4856	5643	5743	6447	6837	474	474			

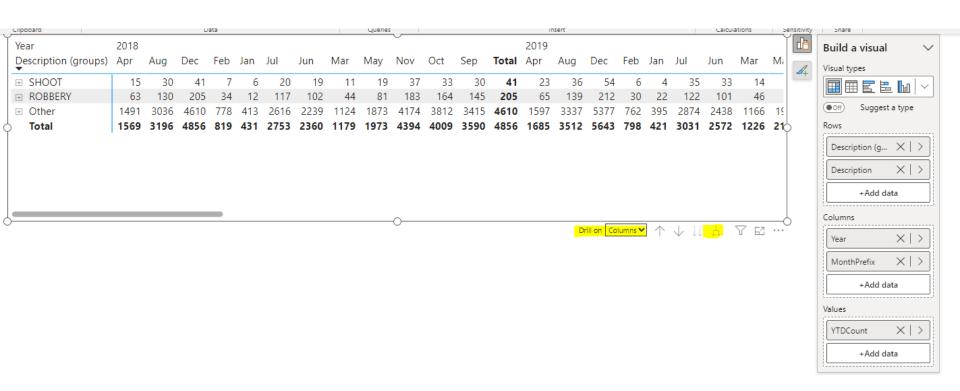




Sort by Format

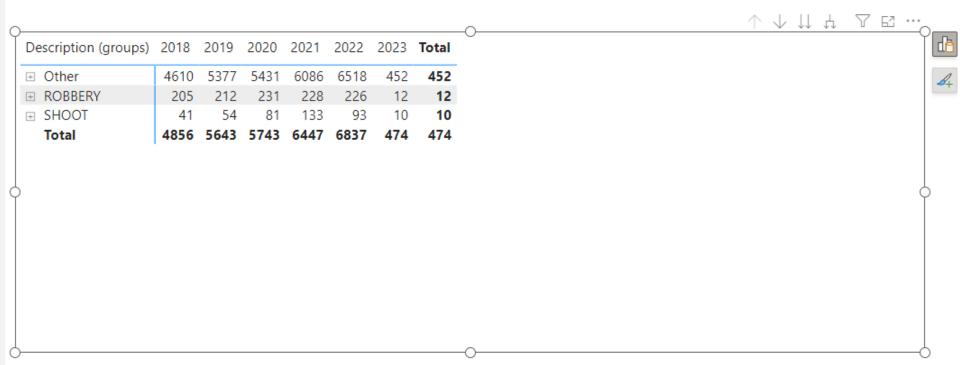


MATRIX EXTENDED COLUMNS



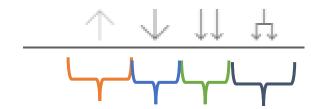
MATRIX EXTENDED ROWS AND COLUMNS

Year Description (groups)	2018 Apr	Aug	Dec	Feb	Jan	Jul	Jun	Mar	May	Nov	Oct	Sep	Total	2CII		Build a visual
□ SHOOT	15	30	41	7	6	20	19	11	19	37	33	30	41	-	A +	Visual types
SHOOT:INHAB DWELL/VEH/ETC	.,		3		ŭ			- ''		2	1		3			
SHOOT AT UNOCCUPIED DWELLING/VEHICLE/ETC	10	18	24	3	3	12	12	7	12	21	19	18	24			Off Suggest a type
SHOOT AT INHABITED DWELLING/VEHICLE/ETC	5	12	14	4	3	8	7	4	7	14	13	12	14		5	Rows
□ ROBBERY	63	130	205	34	12	117	102	44	81	183	164	145	205			Description (g. VI)
ROBBERY-OTHER DANGEROUS WEAPON	4	4	8			4	4	1	4	8	6	5	8			Description (g X >
ROBBERY-KNIFE OR CUTTING INSTRUMENT	5	11	19	3		10	9	4	6	18	17	14	19			Description X >
ROBBERY-FIREARM	32	64	89	20	9	58	48	24	42	78	73	67	89			+Add data
Total	1569	3196	4856	819	431	2753	2360	1179	1973	4394	4009	3590	4856	16		+Add data
	· ·	-0-													5	Columns
								Drill on	Column	s v	\downarrow \downarrow	1 1	YE	• • • •		Year X >
																MonthPrefix X >
																+Add data
																Values



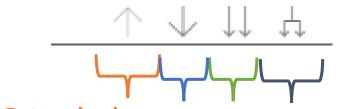
								^	$\downarrow\downarrow\downarrow\downarrow$ $\downarrow\uparrow$	T E
Description (groups)	2018	2019	2020	2021	2022	2023	Total			
⊕ Other	4610	5377	5431	6086	6518	452	452			
	205	212	231	228	226	12	12			
	41	54	81	133	93	10	10			
Total	4856	5643	5743	6447	6837	474	474			
								0		
						Α.				

,	Description (groups)	2018	2019	2020	2021	2022	2023	Total
	⊕ Other	4610	5377	5431	6086	6518	452	452
		205	212	231	228	226	12	12
		41	54	81	133	93	10	10
	Total	4856	5643	5743	6447	6837	474	474
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Return back

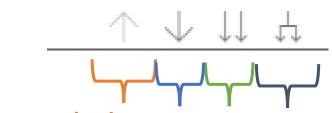
С	Description (groups)	2018	2019	2020	2021	2022	2023	Total
+	Other	4610	5377	5431	6086	6518	452	452
+	ROBBERY	205	212	231	228	226	12	12
+	SHOOT	41	54	81	133	93	10	10
	Total	4856	5643	5743	6447	6837	474	474
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Return back

Turn on Drill Down

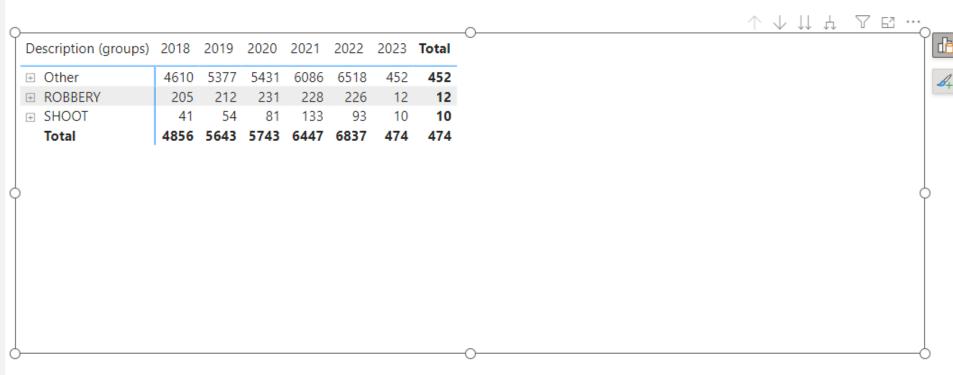
,	Description (groups)	2018	2019	2020	2021	2022	2023	Total
	⊕ Other	4610	5377	5431	6086	6518	452	452
		205	212	231	228	226	12	12
		41	54	81	133	93	10	10
	Total	4856	5643	5743	6447	6837	474	474
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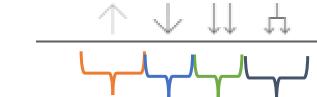


Return back

Turn on Drill Down

Next Level of the hierarchy





Return back

Turn on Drill Down

Expand all down one level in hierarchy

Next Level of the hierarchy

Using the drill-down buttons, the visual user can dive deeply between dimensions. You can switch from one size to another using this capability.

Using the drill-down buttons, the visual user can dive deeply between dimensions. You can switch from one size to another using this capability.

				\uparrow	. ↓ ↓	1 4	V E	1
Description	2018	2019	2020	2021	2022	2023	Total	
A PERSON WHO ENGAGES IN THE CONDUCT DESCRIBED IN PARAGRAPHS (2), (3), OR (4) OF SUBDIVISION (A) OF SECTION 11362.3		1		1				
ABANDON DOG OR CAT			1					
ACCESSORY	1	3	3	2				
ACQUIRE ACCESS CARD WITHOUT CONSENT W/INTENT TO SELL/ETC		1	1					
ACQUIRE LOST/ETC ACCESS CARD W/INTENT TO USE/ETC			1		1			
ADDICT DRIVE VEHICLE				1				Ç
ADW NOT F/ARM:PO/FIRE:GBI	3	1	5	2	2			
ADW WITH FORCE: POSSIBLE GBI	2	3	4	6	8			
ADW WITH FORCE:POSSIBLE GBI				1				
ADW/ETC ON SCHOOL EMPLOYEE-OTHER DANGEROUS WEAPON		1						
AGENCY/ETC OFFER TO PAY/ETC PARENT FOR ADOPTION	1							
ALT EVID WIT CHRG W/CRIME				2	1			
Total	4856	5643	5743	6447	6837	474	474	

Using a tree-like looking button, a user can expand all the dimensions in the Matrix giving a concise way to represent and compare data across dimensions.

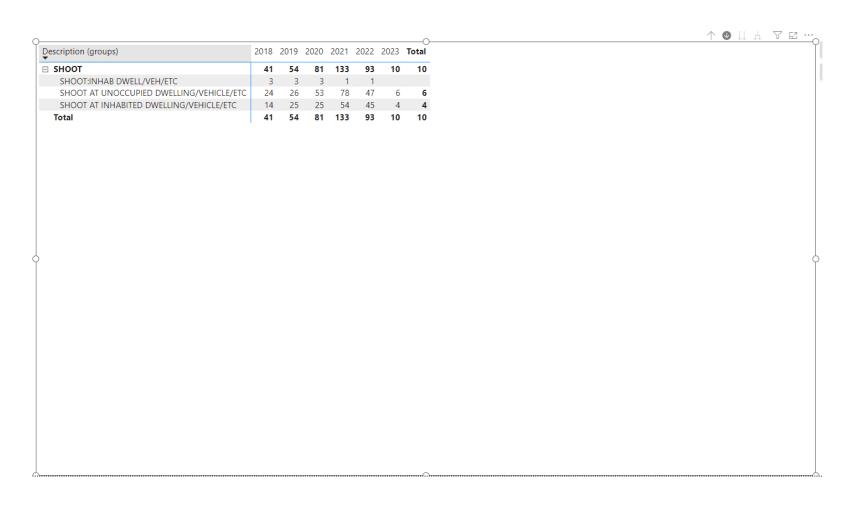
Using a tree-like looking button, a user can expand all the dimensions in the Matrix giving a concise way to represent and compare data across dimensions.

0								↑ ↓ ↓ ↓ · ·
Description (groups)	2018	2019	2020	2021	2022	2023	Total	
SHOOT	41	54	81	133	93	10	10	
SHOOT:INHAB DWELL/VEH/ETC	3	3	3	1	1			
SHOOT AT UNOCCUPIED DWELLING/VEHICLE/ETC	24	26	53	78	47	6	6	
SHOOT AT INHABITED DWELLING/VEHICLE/ETC	14	25	25	54	45	4	4	
ROBBERY	205	212	231	228	226	12	12	
ROBBERY-OTHER DANGEROUS WEAPON	8	4	10	9	8			
ROBBERY-KNIFE OR CUTTING INSTRUMENT	19	9	16	16	8			
ROBBERY-FIREARM	89	100	101	124	130	7	7	
ROBBERY/INHABITED DWELLING - STRONGARM (HANDS, FISTS, FEET)	4	1	3	3	6			
ROBBERY/INHABITED DWELLING - OTHER DANGEROUS INSTRUMENT		1		1	3	1	1	
ROBBERY/INHABITED DWELLING - KNIFE OR CUTTING INSTRUMENT	1		2					
ROBBERY/INHABITED DWELLING - FIREARM	5	5	5	5	8			
ROBBERY/ATM - STRONGARM (HANDS, FISTS, FEET)				1	1			
ROBBERY/ATM - FIREARM			1					
ROBBERY - STRONG ARM (HANDS, FISTS, FEET, ETC.)	79	92	93	69	62	4	4	
Other	4610	5377	5431	6086	6518	452	452	
WPN POSS PROHIB GROUNDS	1							
WITH INTENT TO DEFRAUD ACQUIRE ID OF PERS DEPLOYED OUT OF STATE (AMENDED TO:COMMIT MAIL THEFT)			2	8	2			
WILLFULLY DISCHARGE FIREARM IN A GROSSLY NEG MANNER	1		2					
WILLFUL DISCHARGE FIREARM IN NEGLIGENT MANNER	66	87	141	275	171	25	25	
WILLFUL CRUELTY TO CHILD:POSSIBLE INJURY/DEATH			5		4			
WILLFUL CRUELTY TO CHILD WITH POSSIBLE INJURY/DEATH (AMENDED)				1	1			
WILLFUL CRUELTY TO CHILD	7	5	2	1	2			
VOL PROTECTIVE ORDER:MNR	1	6	5	1	1			
VIOLENT FELON POSSESS/OWN/PURCHASE BODY ARMOR			2	1				
VIOLATION PAROLE:FELONY	10	4	6	5	2			
VIOLATION OF TOBACCO RETAIL LICENSE	1	1	1	1				
VIOLATION OF PROBATION-MISD	18	19	10	8	9	1	1	
VIOLATION OF PROBATION-FELONY	45	43	23	13	14			
VIOLATION CUSTODY DECREE	1	1						
VIOLATE PROTECTIVE ORDER:DOMESTIC VIOLENCE:W/PRIOR			1					
VIOLATE COURT ORDER TO PREVENT DOMESTIC VIOLENCE W/PR	2	2	2		4			
VIOLATE COURT ORDER TO PREVENT DOMESTIC VIOLENCE	41	58	42	33	36	4	4	
Total	4856	5643	5743	6447	6837	474	474	

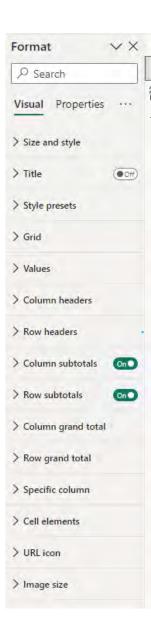
Using a drill-down button, a user can expand the dimensions in the Matrix for a specific subgroup.

MATRIX

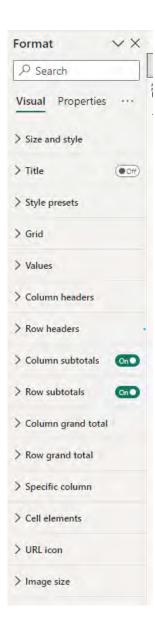
Using a drill-down button, a user can expand the dimensions in the Matrix for a specific subgroup.

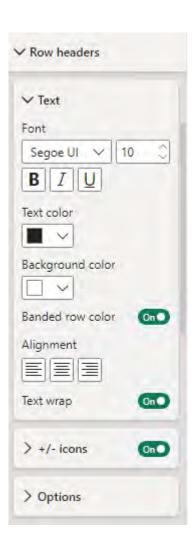


MATRIX FORMAT

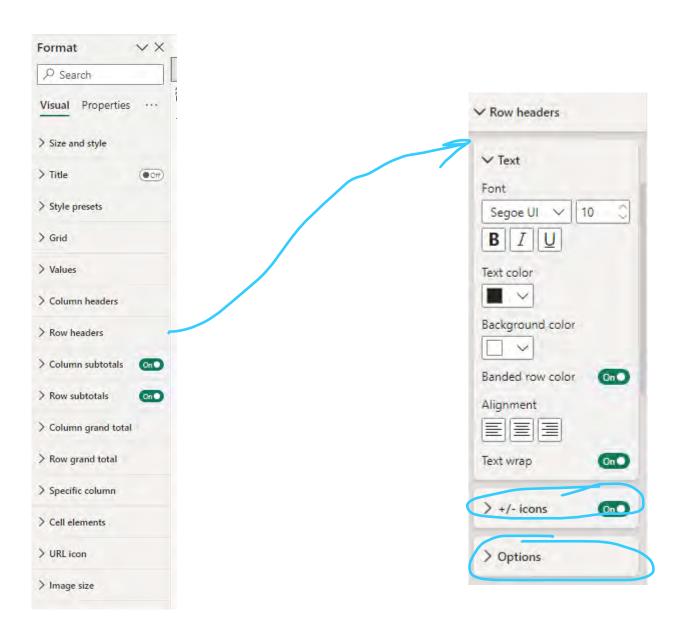


MATRIX FORMAT





MATRIX FORMAT

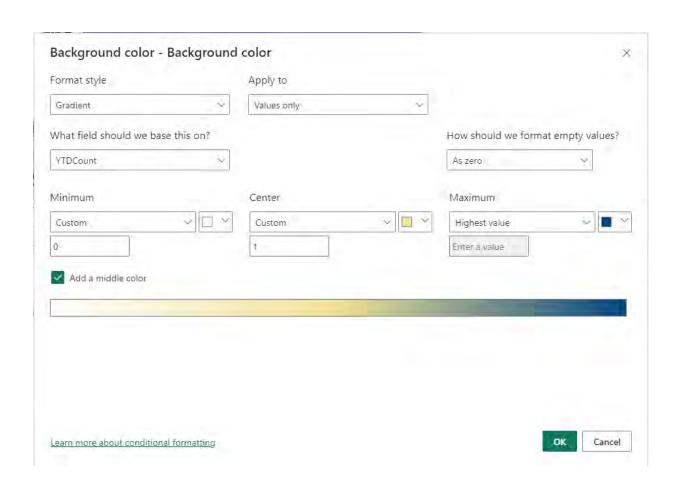


MATRIX CONDITIONAL FORMATTING



MATRIX CONDITIONAL FORMATTING

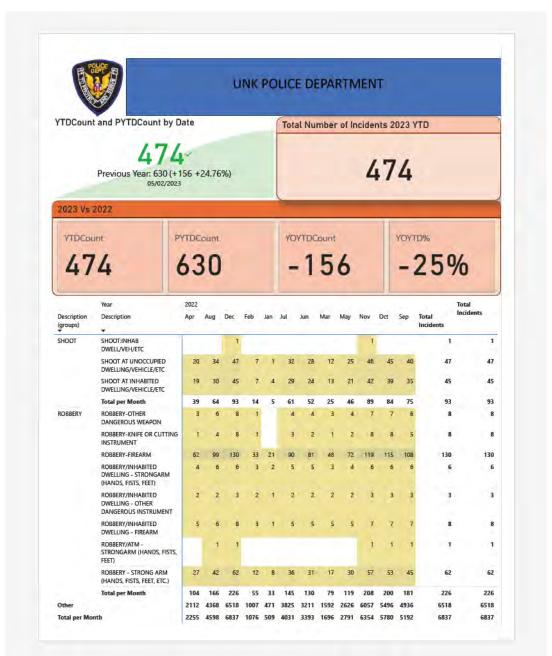




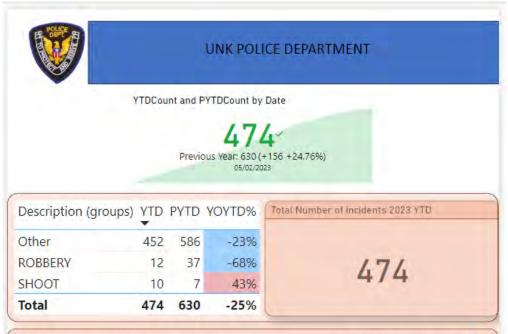
MATRIX

	Year	2022													Total
Description (groups)	Description	Арг	Aug	Dec	Feb	Jan	Jul	Jun	Mar	May	Nov	Oct	Sep	Total Incidents	Incidents
SHOOT	SHOOT-INHAB DWELL/VEH/ETC			1							ì			1	
	SHOOT AT LINOCCUPIED DWELLING/VEHICLE/ETC	20	34	47	7	1	32	28	12	25	46	45	40	47	4
	SHOOT AT INHABITED DWELLING/VEHICLE/ETC	19	30	45	7	4	29	24	13	21	42.	39	35	45	4
	Total per Month	39	64	93	14	5	61	52	25	46	89	84	75	93	9.
ROBBERY	ROBBERY-OTHER DANGEROUS WEAPON	3	6	8	1		4	4	3	4	7	7	6	8	
	ROBBERY-KNIFE OR CUTTING INSTRUMENT	1	4	8	J.		3	2	1	2	8	8	5	8	
	ROBBERY-FIREARM	62	99	130	33	21	90	B1	48	72	119	115	108	130	13
	ROBBERY/INHABITED DWELLING - STRONGARM (HANDS, FISTS, FEET)	4	6.	6	3	2	5	3	ã	4	6	6	6	6	
	ROBBERY/INHABITED DWELLING - OTHER DANGEROUS INSTRUMENT	.2	2	3	2	-1	2	2	Z	2	3	ä	ā	3	
	ROBBERY/INHABITED DWELLING - FIREARM	5	6	6	3	-1	5	5	5	5.	7	7	7	8	
	ROBBERY/ATM – STRONGARM (HANDS, FISTS, FEET)		3	1							1	1	1	1	
	ROBBERY - STRONG ARM (HANDS, FISTS, FEET, ETC.)	27	42	62	12	8	36	31	17	30	57	53	45	62	6
	Total per Month	104	166	226	55	33	145	130	79	119	208	200	181	226	22
Other		2112	4368	6518	1007	471	3825	3211	1592	2626	6057	5496	4936	6518	651
Total per Month		2255	4598	6837	1076	509	4031	3393	1696	2791	6354	5780	5192	6837	683

POWER BI - REPORT PAGE

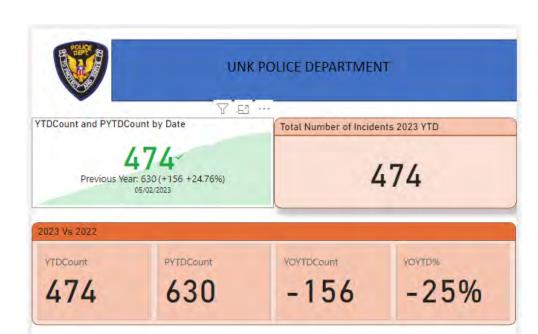


Power BI – Report Page



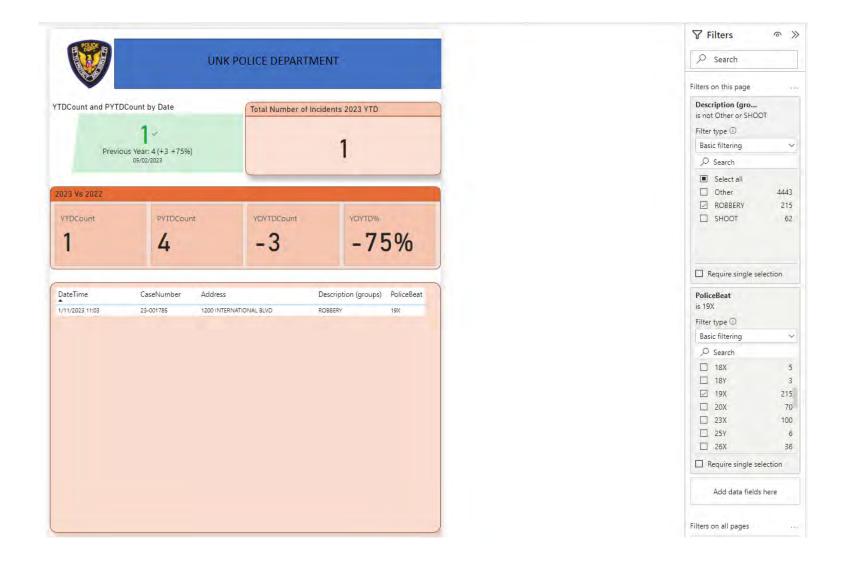
DateTime _	CaseNumber	Address	Description (groups)	PoliceBeat
1/1/2023 00:30	23-000868	1200 61ST AV	SHOOT	26Y
1/1/2023 15:10	23-000101	1100 88TH AV	SHOOT	33X
1/2/2023 11:29	23-000237	10400 JUNE CT	SHOOT	31Z
1/2/2023 15:00	23-000713	1200 53RD AV	ROBBERY	26X
1/2/2023 15:48	23-000274	10900 INTERNATIONAL BLVD	ROBBERY	32X
1/3/2023 03:10	23-000350	10000 MACARTHUR BLVD	ROBBERY	32Y
1/3/2023 12:12	23-000434	11200 GOLF LINKS RD	ROBBERY	35Y
1/7/2023 20:03	23-001182	1000 102ND AV	SHOOT	32X
1/8/2023 00:00	23-001304	1400 105TH AV	ROBBERY	32X
1/8/2023 18:00	23-001457	1000 CALCOT PL	SHOOT	20X
1/11/2023 11:03	23-001785	1200 INTERNATIONAL BLVD	ROBBERY	19X
1/14/2023 23:00	23-002584	1300 92ND AV	ROBBERY	33X
1/17/2023 13:12	23-002867	100 98TH AV	ROBBERY	31Y
1/17/2023 20:56	23-002906	1300 INTERNATIONAL BLVD	SHOOT	19X
1/18/2023 11:35	23-002999	1300 98TH AV	ROBBERY	32X
1/20/2023 10:20 23-003364		100 HEGENBERGER RD	ROBBERY	31Y
/24/2023 14:20 23-004125		1400 79TH AV	ROBBERY	30X
1/27/2023 06:00 23-004923		1500 12TH AV	SHOOT	19X
1/30/2023 02:30	23-005118	1400 13TH AV	SHOOT	19X
2/1/2023 12:45	23-005578	100 10TH ST	ROBBERY	03X

TABLE



DateTime CaseNumber		Address	Description (groups)	PoliceBeat
1/1/2023 00:30	23-000868	1200 61ST AV	SHOOT	26Y
1/1/2023 15:10	23-000101	1100 88TH AV	SHOOT	33X
1/2/2023 11:29	23-000237	10400 JUNE CT	SHOOT	31Z
1/2/2023 15:00	23-000713	1200 53RD AV	ROBBERY	26X
1/2/2023 15:48	23-000274	10900 INTERNATIONAL BLVD	ROBBERY	32X
1/3/2023 03:10	23-000350	10000 MACARTHUR BLVD	ROBBERY	32Y
1/3/2023 12:12	23-000434	11200 GOLF LINKS RD	ROBBERY	35Y
1/7/2023 20:03	23-001182	1000 102ND AV	SHOOT	32X
1/8/2023 00:00	23-001304	1400 105TH AV	ROBBERY	32X
1/8/2023 18:00	23-001457	1000 CALCOT PL	SHOOT	20X
1/11/2023 11:03	23-001785	1200 INTERNATIONAL BLVD	ROBBERY	19X
1/14/2023 23:00	23-002584	1300 92ND AV	ROBBERY	33X
1/17/2023 13:12	23-002867	100 98TH AV	ROBBERY	31Y
1/17/2023 20:56	23-002906	1300 INTERNATIONAL BLVD	SHOOT	19X
1/18/2023 11:35	23-002999	1300 98TH AV	ROBBERY	32X
1/20/2023 10:20	23-003364	100 HEGENBERGER RD	ROBBERY	31Y
1/24/2023 14:20	23-004125	1400 79TH AV	ROBBERY	30X
1/27/2023 06:00	23-004923	1500 12TH AV	TOOHS	19X
1/30/2023 02:30	23-005118	1400 13TH AV	TOOHS	19X
2/1/2023 12:45	23-005578	100 10TH ST	ROBBERY	.03X

TABLE



ADDITIONAL INFORMATION (BOOKS)

✓ Power Query

✓ Collect, Combine, and Transform Data Using Power Query in Excel and Power BI (2018) by Gil Raviv

✓ Entry Level

- ✓ Learn Power BI: Step by Step Guide to Building Your Own Reports (2022) by Derek Wilson
- ✓ Power BI Business Intelligence Clinic: Create and Learn Paperback (2018) by Roger F. Silva
- ✓ Microsoft Power BI Dashboards Step by Step (2018) by Errin O'Connor

✓ Advance Level

- ✓ Analyzing Data with Power BI and Power Pivot for Excel (2017), Marco Russo and Alberto Ferrari
- ✓ The Definitive Guide to DAX: Business Intelligence for Microsoft Power BI, SQL Server Analysis Services, and Excel (2019) by Marco Russo and Alberto Ferrari

ADDITIONAL INFORMATION (LINKS)

- ✓ Websites, Blogs, and YouTube channels
 - ✓ Power Query documentation https://docs.microsoft.com/en-us/power-query
 - ✓ Power BI documentation https://docs.microsoft.com/en-us/power-bi/
 - ✓ Power BI Tips https://powerbi.tips/
 - ✓ RADACAD https://radacad.com/
 - ✓ SQLBI https://www.sqlbi.com/
 - ✓ Guy in a Cube https://guyinacube.com/
 - ✓ Curbal https://www.youtube.com/channel/UCJ7UhloHSA4wAqPzyi6TOkw

NEXT WEBINAR

Power BI Mapping in Power BI

- √ General Map
- ✓ ESRI Map
- **✓** Other options

CONCLUSIONS & QUESTIONS

Svetlana Gubin, Oakland PD

Sgubin@OaklandCA.gov











