

MS in Business Analytics

Intro to Data Visualization

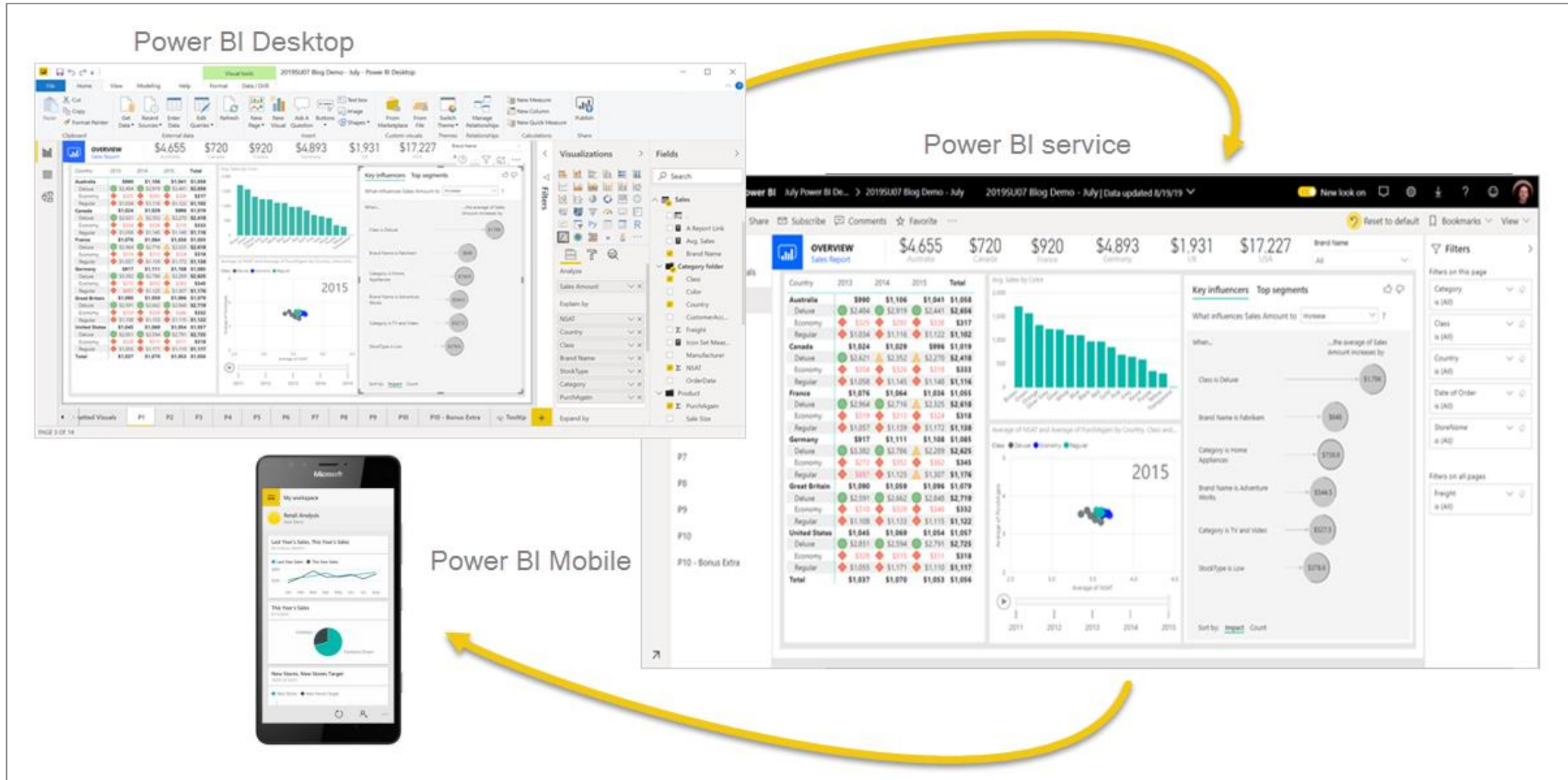
Practice



First Steps in Power BI

Intro to Power BI

The parts of Power BI



How to download?

Download Power BI tools and apps

Whether you're on the go or need to create rich, interactive reports, download the tools you need to build reports and stay connected to your data from anywhere, anytime. Get a 360° view of your business data on the go—at the touch of your fingers—and quickly connect, shape, visualize, and share data insights through Power BI.



Microsoft Power BI Desktop

With the Power BI Desktop you can visually explore your data through a free-form drag-and-drop canvas, a broad range of modern data visualizations, and an easy-to-use report authoring experience.

[Download >](#)

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Microsoft Power BI Mobile

Access your data anywhere, anytime. These native apps provide live, interactive, mobile access to your important business information.




Microsoft on-premises data gateway

Keep your dashboards and reports up to date by connecting to your on-premises data sources—without the need to move the data.

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Power BI September 2023 Feature Summary



Ryan Majidimehr

 September 14, 2023

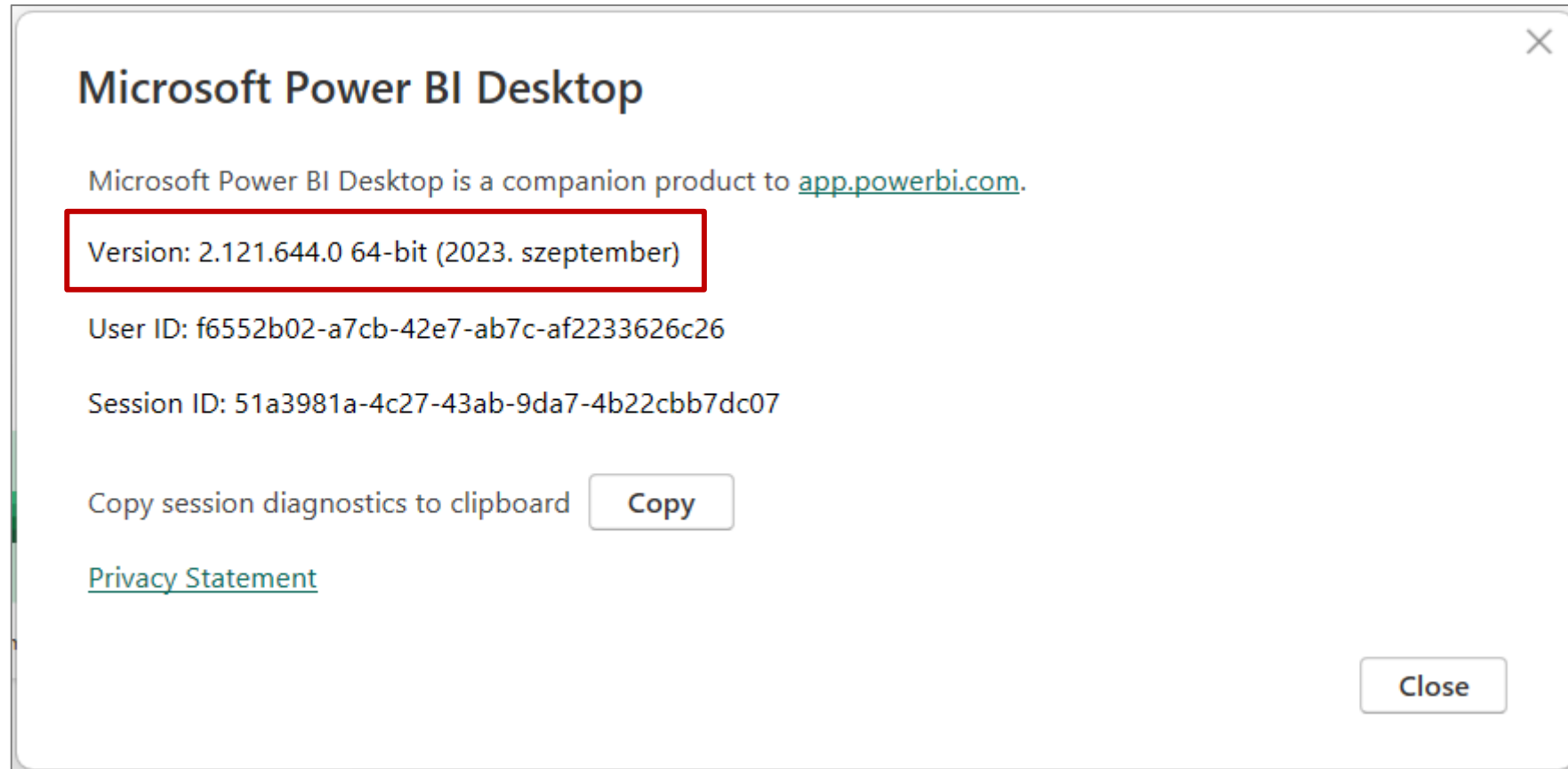
[in Share](#) [Tweet](#) [Like](#)

Welcome to the September 2023 update.

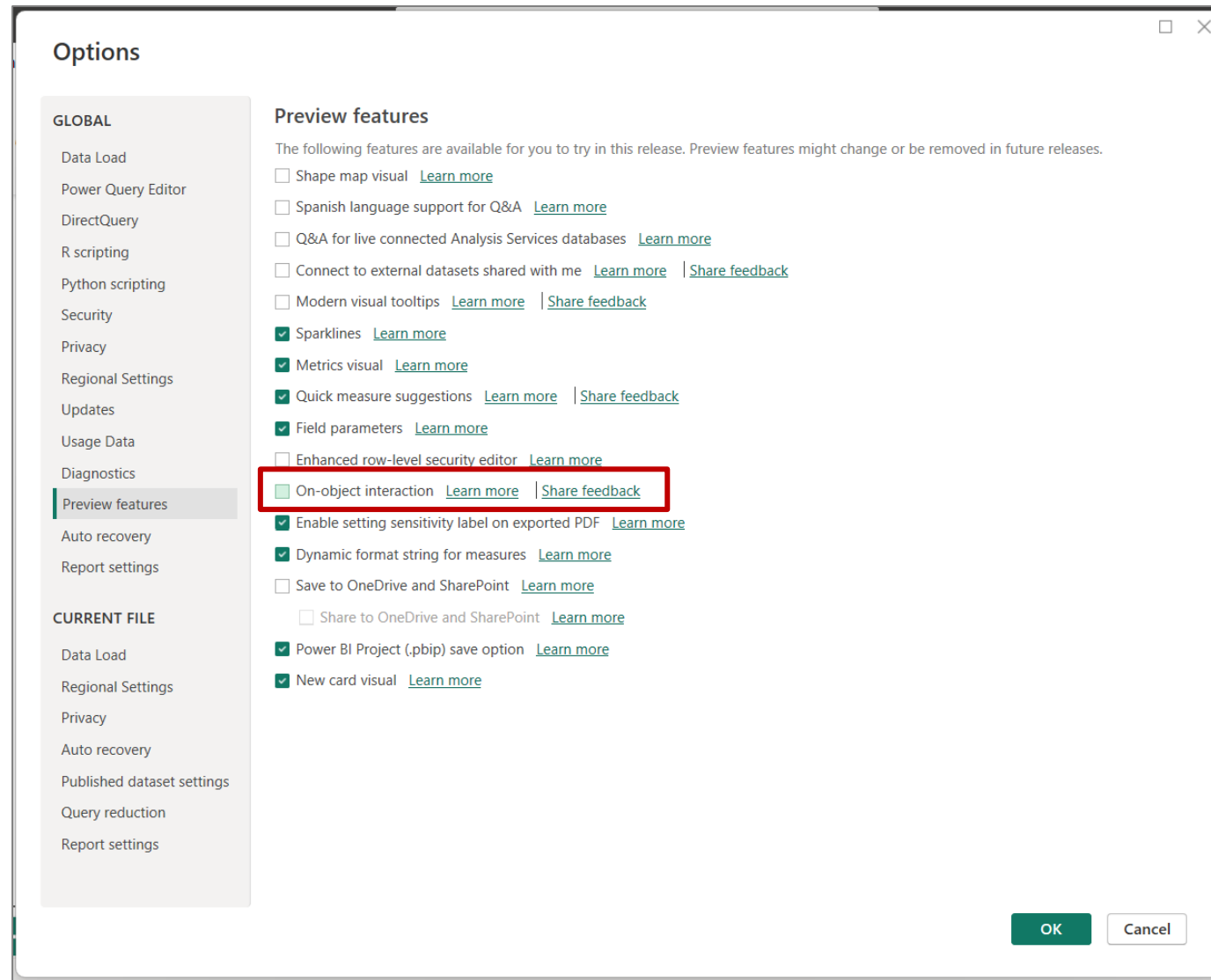
We've got some updates to editing you data models, row -level security, and a reminder to update your .NET Framework version for Desktop!

There is more to explore, please continue to read on.

How to check your version number?



How to turn or on off Preview Features?



Power BI Desktop / File / Options and settings / Options / Preview features

The background of the slide features a teal color palette with a low-poly, geometric pattern of overlapping triangles and polygons. A horizontal white band is positioned in the middle of the slide, serving as a background for the text.

Why do we use Power BI?

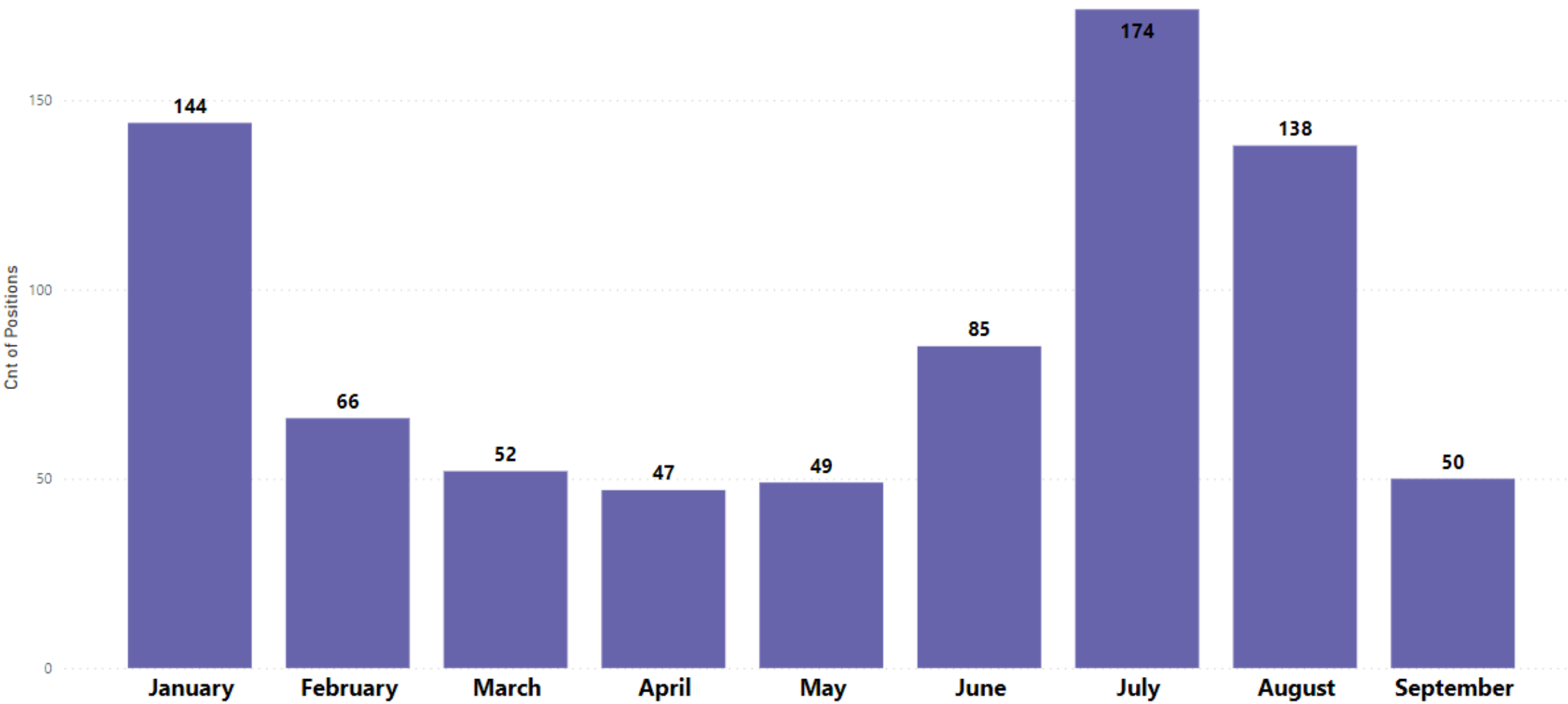
Why do we use Power BI?

- A technology leader in the BI segment
- A market leader, used very widely from small teams to huge enterprises
- Power BI Desktop is completely free for both personal and business use

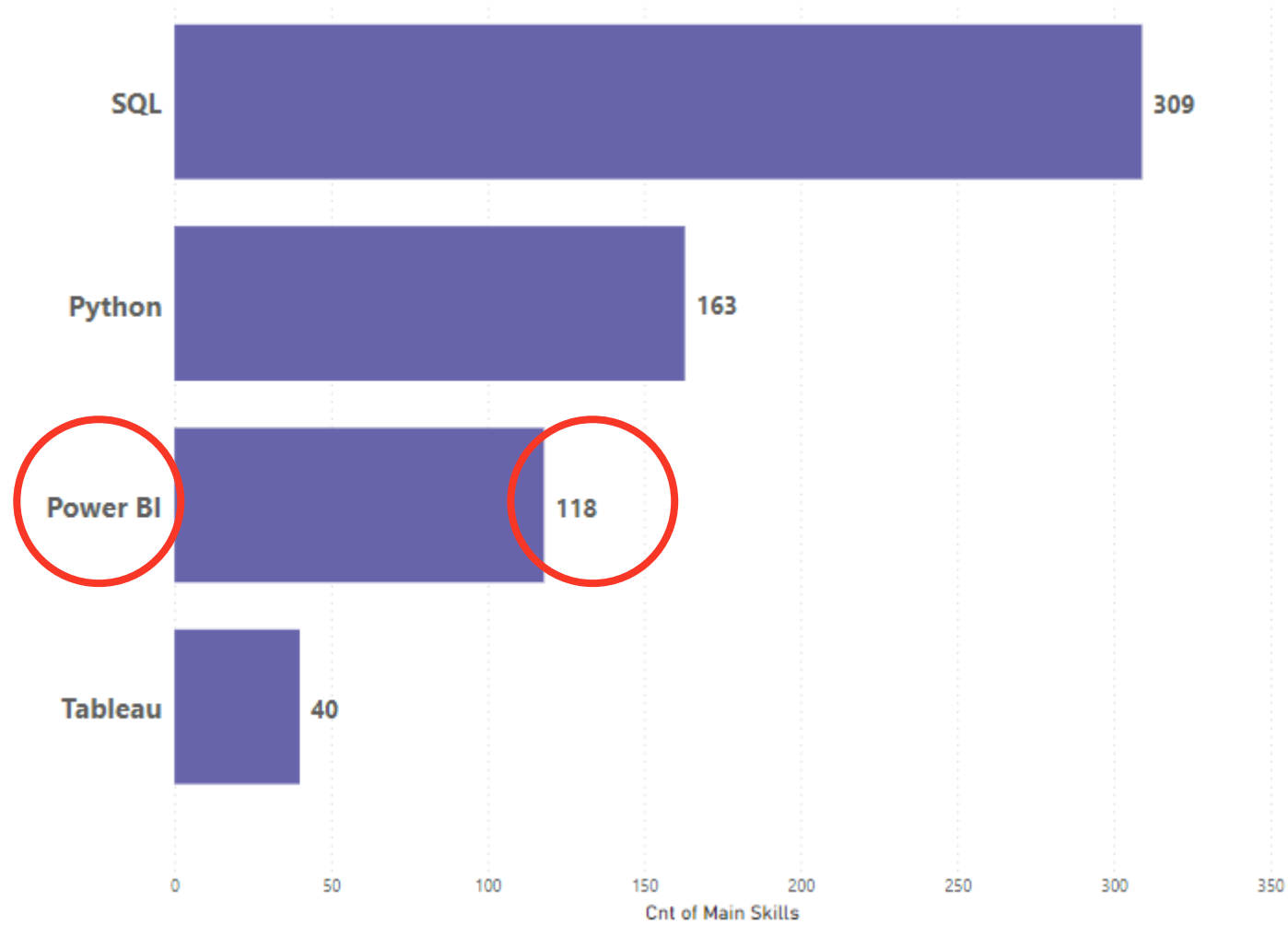
Gartner Magic Quadrant for BI platforms

Magic Quadrant for Analytics and Business Intelligence Platforms.





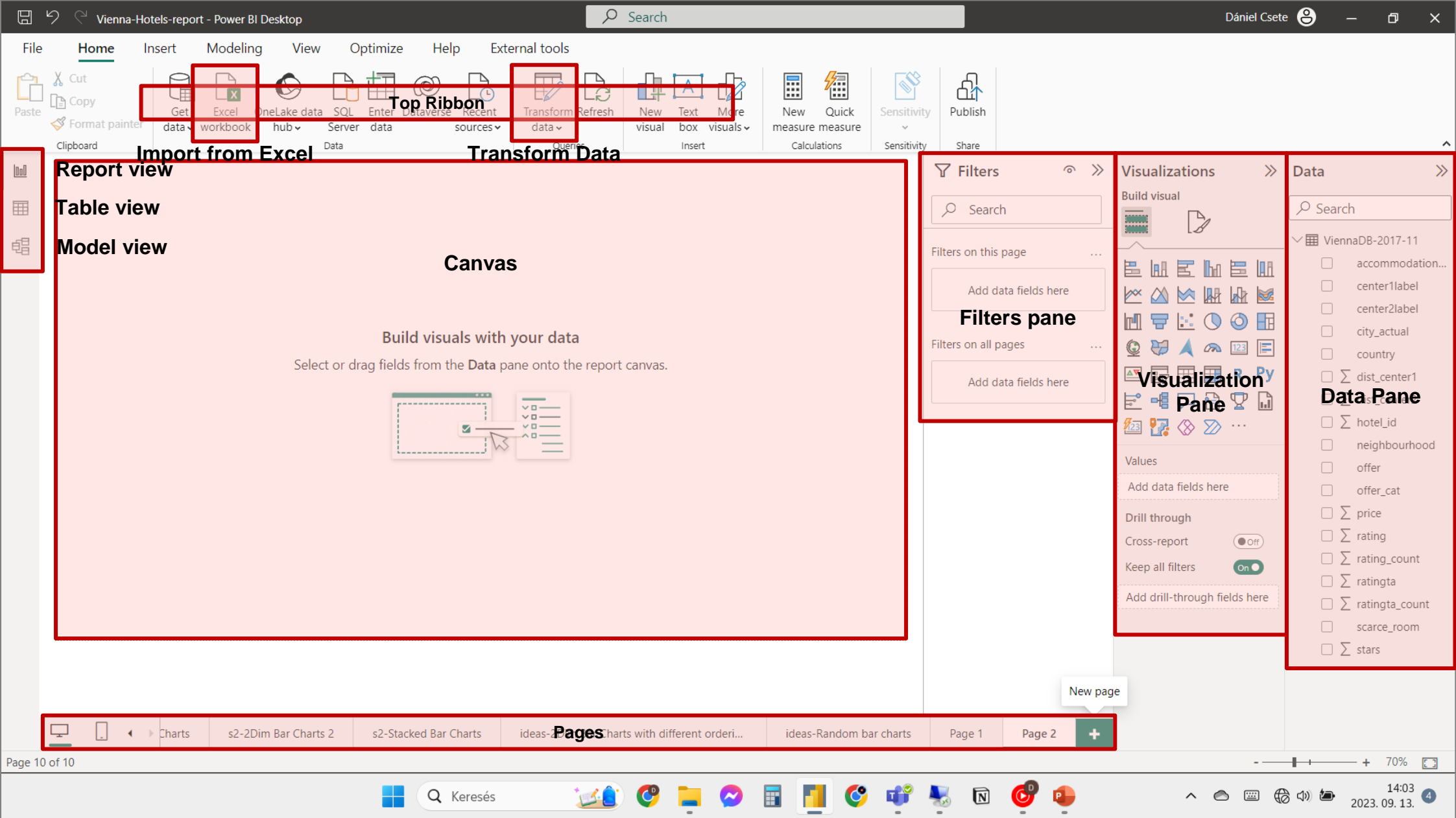
Hungarian job adverts for data-related roles in 2023



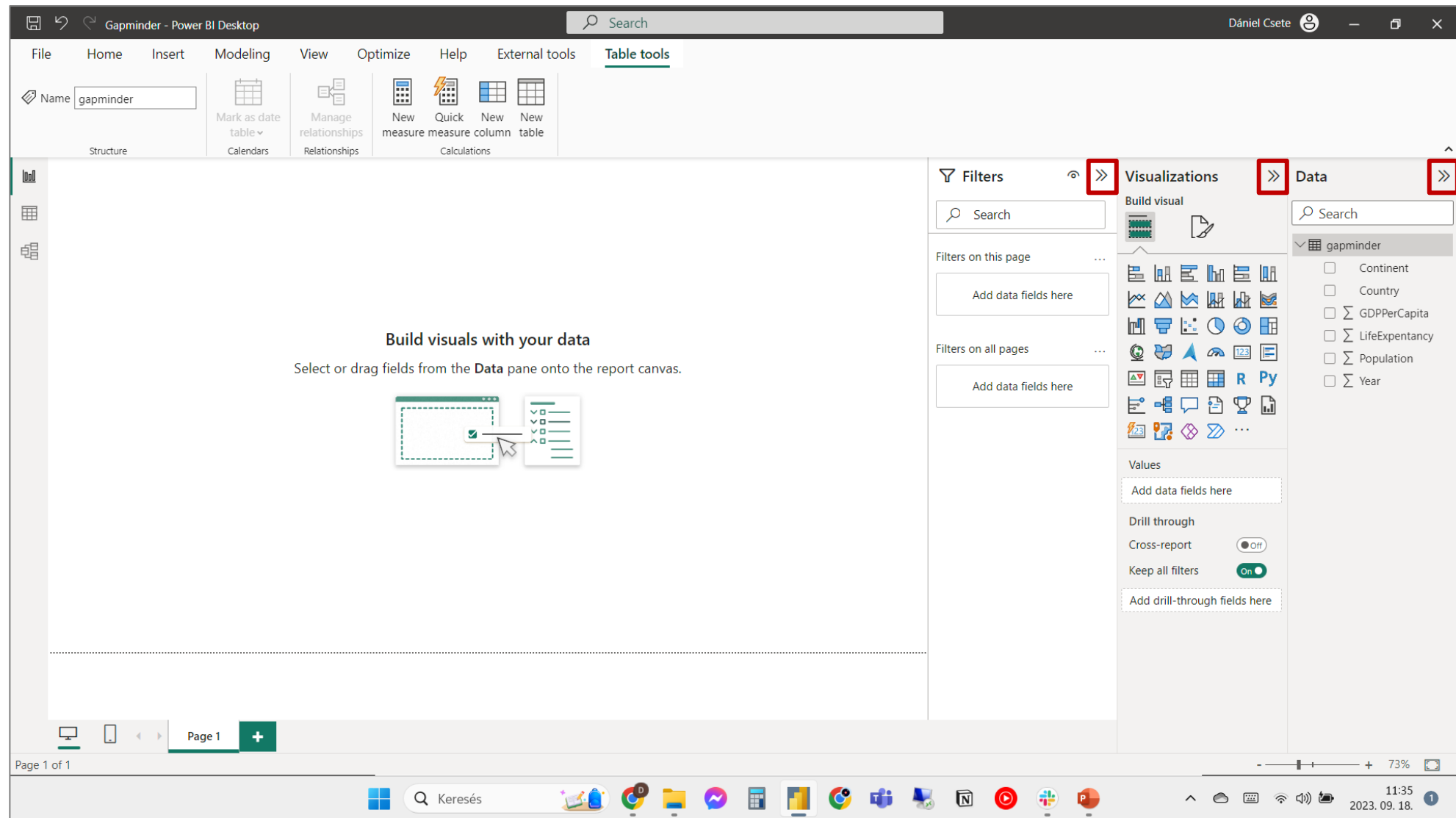
The top requested hard skill in our 2023 sample

Power BI user interface

User interface

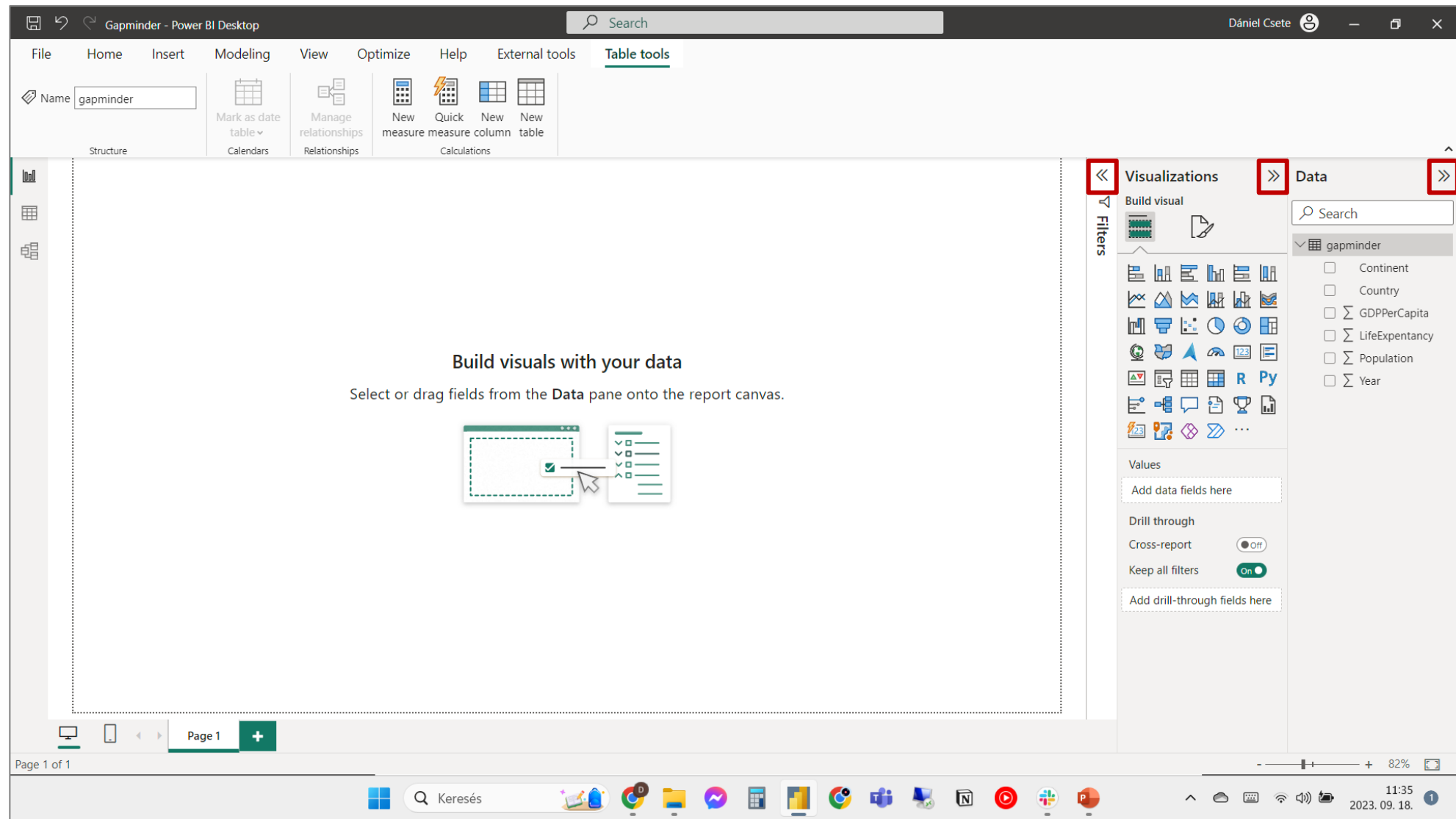


User interface



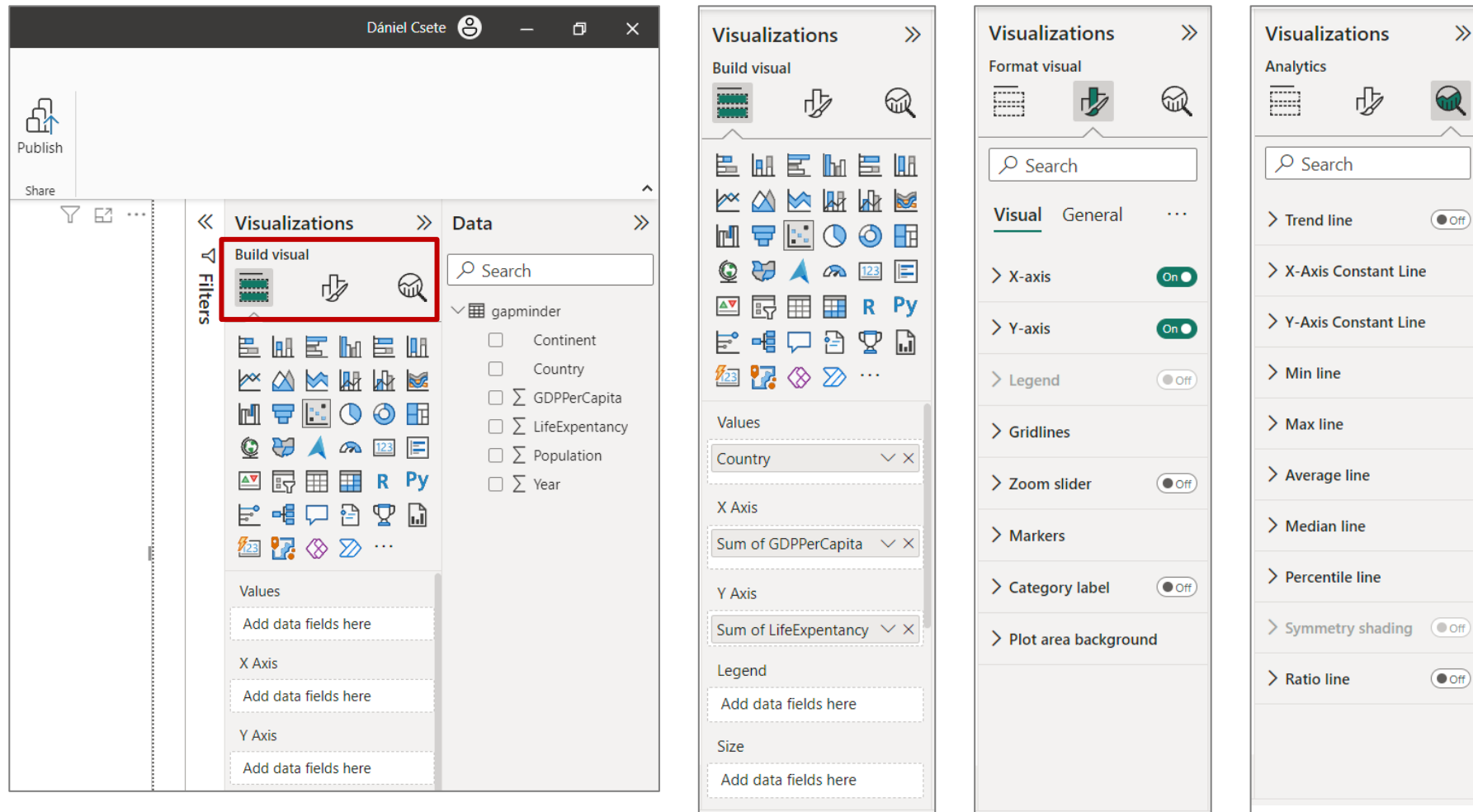
You can close and re-open each side pane with the arrows at the top-right corner

User interface



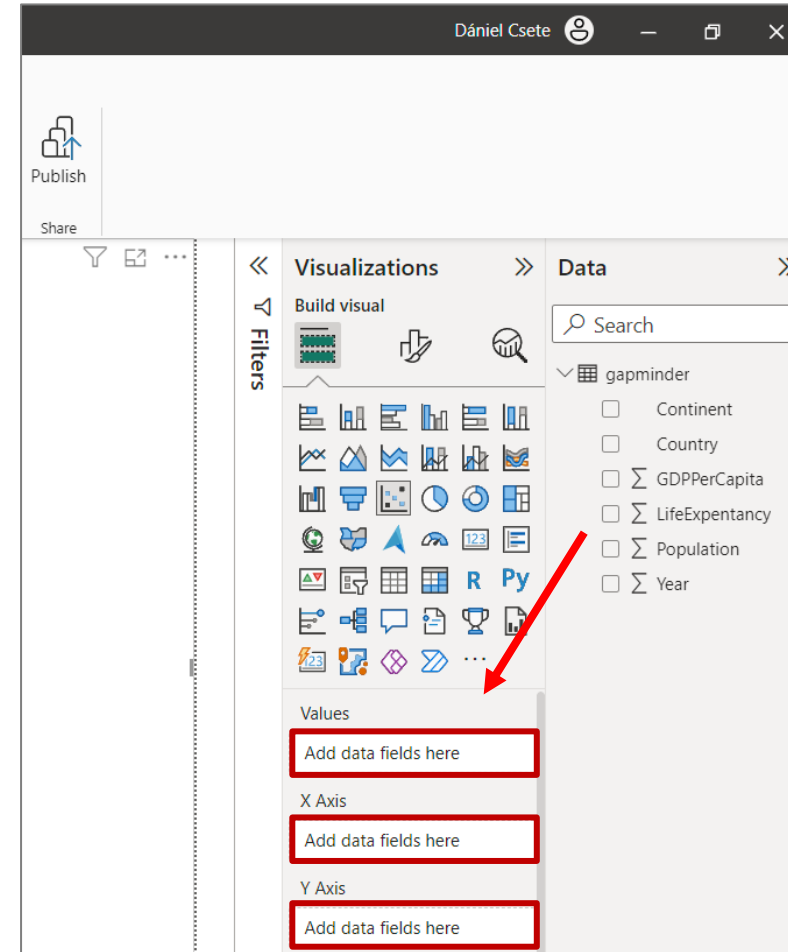
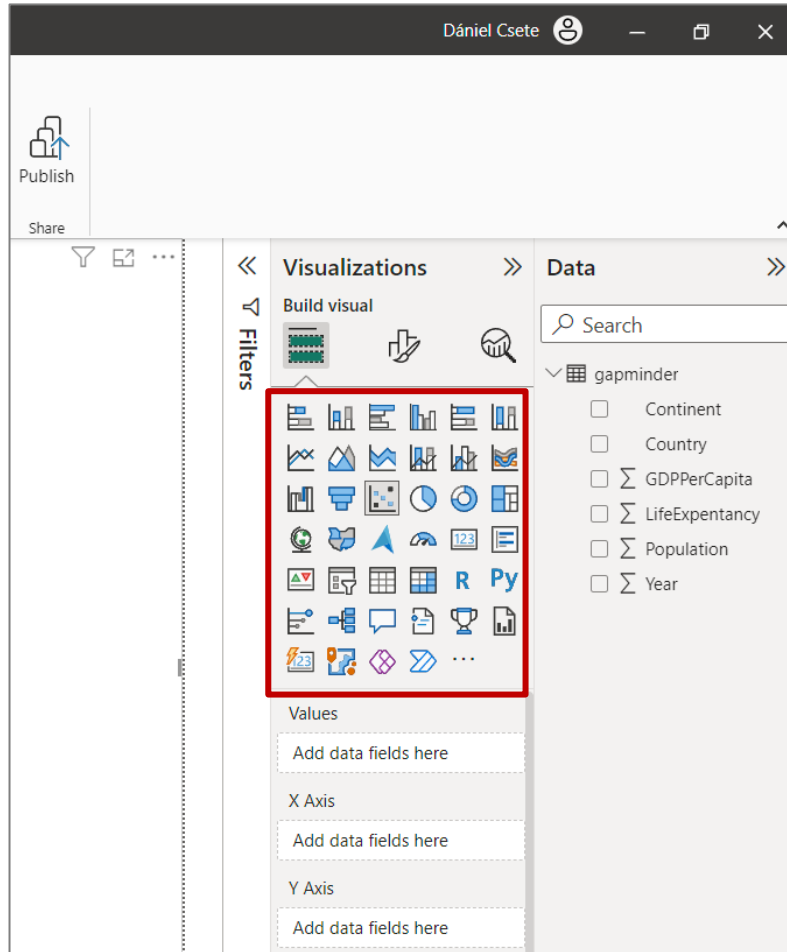
The Filter pane is now closed, but can be re-opened any time

User interface – Visualizations pane



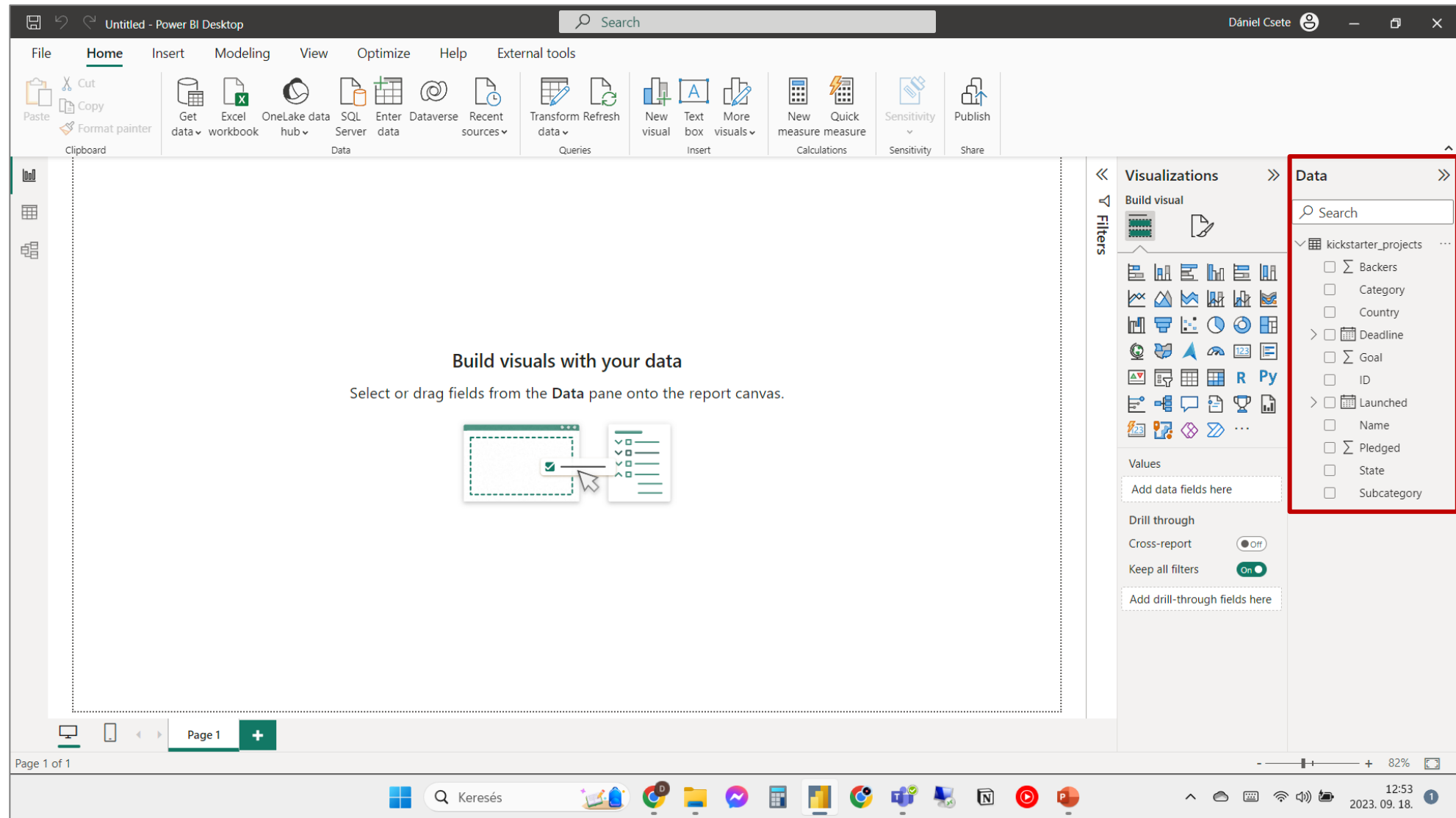
The three main parts of Visualization pane: Build visuals / Format visuals / Analytics

User interface – Visualizations pane



In the Visualization pane you can select the different visualization (chart) types using the icons
You can add the needed data column by dragging them onto to X Axis / Y Axis / Legend/etc. fields

User interface – Data pane



This pane contain the columns of the dataset currently open

First steps

The Kickstarter dataset

Kickstarter projects

Kickstarter projects dataset contains numerous projects identified by ID column, since 2009.

Numerical variables	Descriptive, Categorical variables
Goal	ID
Backers	Name
Pledged	(Sub)Category
	Country
	Launched / Deadline
	State

The data is available as a .csv file, and needs to be imported into Power BI Desktop - (kickstarter_projects.csv)

Kickstarter projects

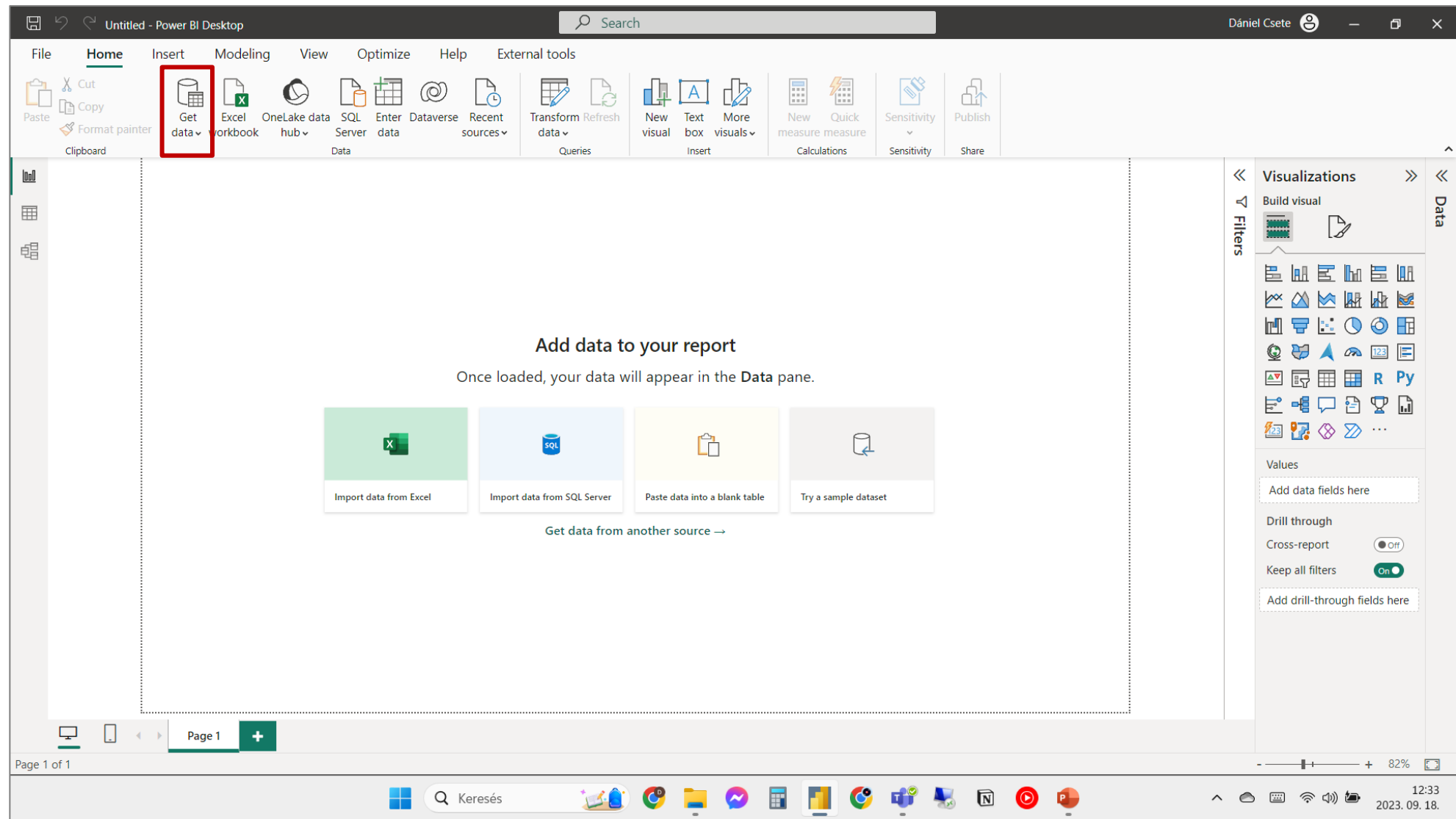
ID	Name	Category	Subcategory	Country	Launched	Deadline	Goal	Pledged	Backers	State
2011930164	Inner Demons saga comes to print, with the help of the fans.	Publishing	Fiction	United States	2011. 03. 20. 7:08:45	2011. június 19., vasárnap	5000	0	0	Failed
749745927	Publish a First Novel	Publishing	Fiction	United States	2011. 04. 14. 16:59:25	2011. május 14., szombat	5000	0	0	Failed
92671007	Kickshaw Candies Book Trailer	Publishing	Fiction	United States	2011. 04. 15. 17:36:00	2011. május 15., vasárnap	5000	0	0	Failed
1034448170	"Helter Skelter" by Bryan Cassiday			United States	2011. 06. 16. 2:51:52	2011. július 16., szombat	5000	0	0	Failed
2037215488	Repel the invasion of Earth! Publish this book!			United States	2011. 06. 19. 7:27:08	2011. augusztus 18., csütörtök	5000	0	0	Failed
842865859	The Last Poem of Schetzzer - A Story to Belor			United States	2011. 06. 27. 18:16:00	2011. július 27., szerda	5000	0	0	Failed
1736560265	Short Story Collection about Growing Up in A			United States	2011. 08. 08. 20:04:58	2011. szeptember 22., csütörtök	5000	0	0	Failed
928149190	STAR FIRE			United States	2012. 01. 05. 4:20:05	2012. február 4., szombat	5000	0	0	Failed
2107312107	Mindrealms Saga (mindrealms Trilogy comple			United States		2012. február 4., szombat	5000	0	0	Failed
2134280213	A Life After Death			United States		2012. február 13., hétfő	5000	0	0	Failed
1858893869	New Novel			United States		2012. július 13., péntek	5000	0	0	Failed
2075110302	BLOOD RED HEARTS			United States		2012. július 25., szerda	5000	0	0	Failed
672028450	Want to read a story about the dark side of th			United States		2012. július 26., szombat	5000	0	0	Failed
1142867579	The Bloviator: "SEX, DRUGS AND WARREN G.			United States		2012. július 26., szombat	5000	0	0	Failed
495238116	Trauma Junkie The Novel			United States		2012. július 27., szerda	5000	0	0	Failed
1498760656	Pretty Hate Machine: Special Task Force: GREE			United States		2012. július 1., péntek	5000	0	0	Failed
392684760	Neverluton			United States		2012. július 2., hétfő	5000	0	0	Failed
10556153	Get Keeper of the Black Stones out into the w			United States		2012. július 7., szombat	5000	0	0	Failed
2078331996	SKYWAY-Sequel Novel to PROJECT DARK SAV			United States	2012. 06. 09. 5:26:23	2012. augusztus 8., szerda	5000	0	0	Failed
150710173	Starving Writer			United States	2012. 07. 05. 22:29:56	2012. augusztus 4., szombat	5000	0	0	Failed
587870712	A DIVA's GuideTo EveryDay Etiquette			United States	2012. 07. 07. 20:11:42	2012. augusztus 6., hétfő	5000	0	0	Failed
327387576	Assassins - A Mystery Suspense Novel			United States	2012. 07. 10. 1:44:58	2012. augusztus 9., csütörtök	5000	0	0	Failed
1894890285	Draven's Quest for Treasure-An Action Story v			United States	2012. 07. 23. 19:24:34	2012. augusztus 22., szerda	5000	0	0	Failed
1875469599	Grampus: The Beginning	Publishing	Fiction	United States	2012. 08. 07. 21:09:53	2012. szeptember 6., csütörtök	5000	0	0	Failed
1458372743	Innocent by Reason of Insanity	Publishing	Fiction	United States	2012. 08. 14. 6:32:38	2012. október 13., szombat	5000	0	0	Failed
1599969590	The Guardians of Ardgaurd Trilogy	Publishing	Fiction	United States	2012. 09. 29. 3:11:10	2012. október 29., hétfő	5000	0	0	Failed
1795140119	Milk To My Belly, Blue to My Heart	Publishing	Fiction	United States	2012. 10. 03. 7:02:19	2012. november 16., péntek	5000	0	0	Failed

You can see the date columns includes Hierarchies

The background consists of a teal-colored field with a low-poly, geometric pattern of overlapping triangles. A solid, light gray horizontal band runs across the middle of the image, serving as a backdrop for the text.

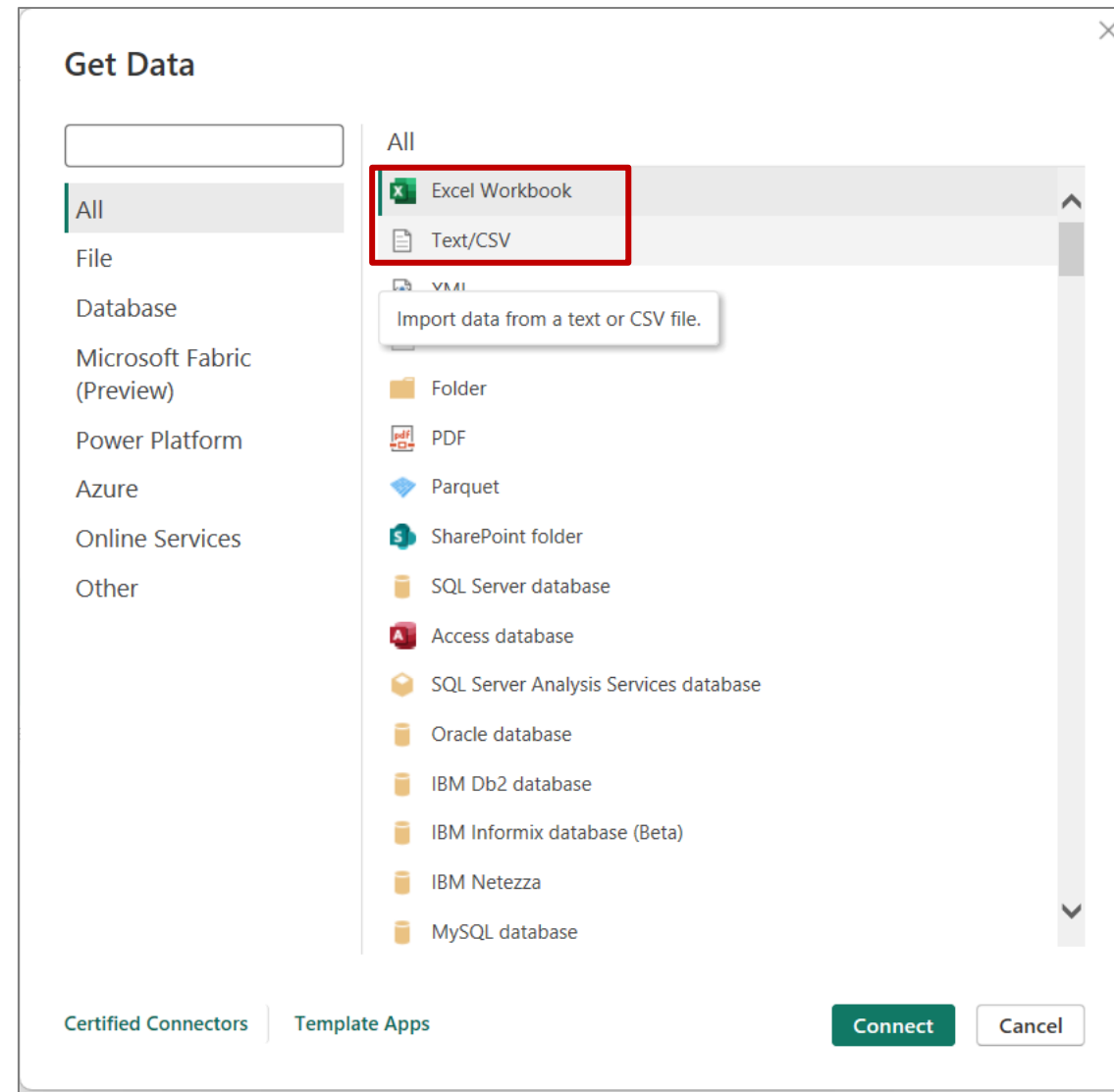
Get the data

Get data



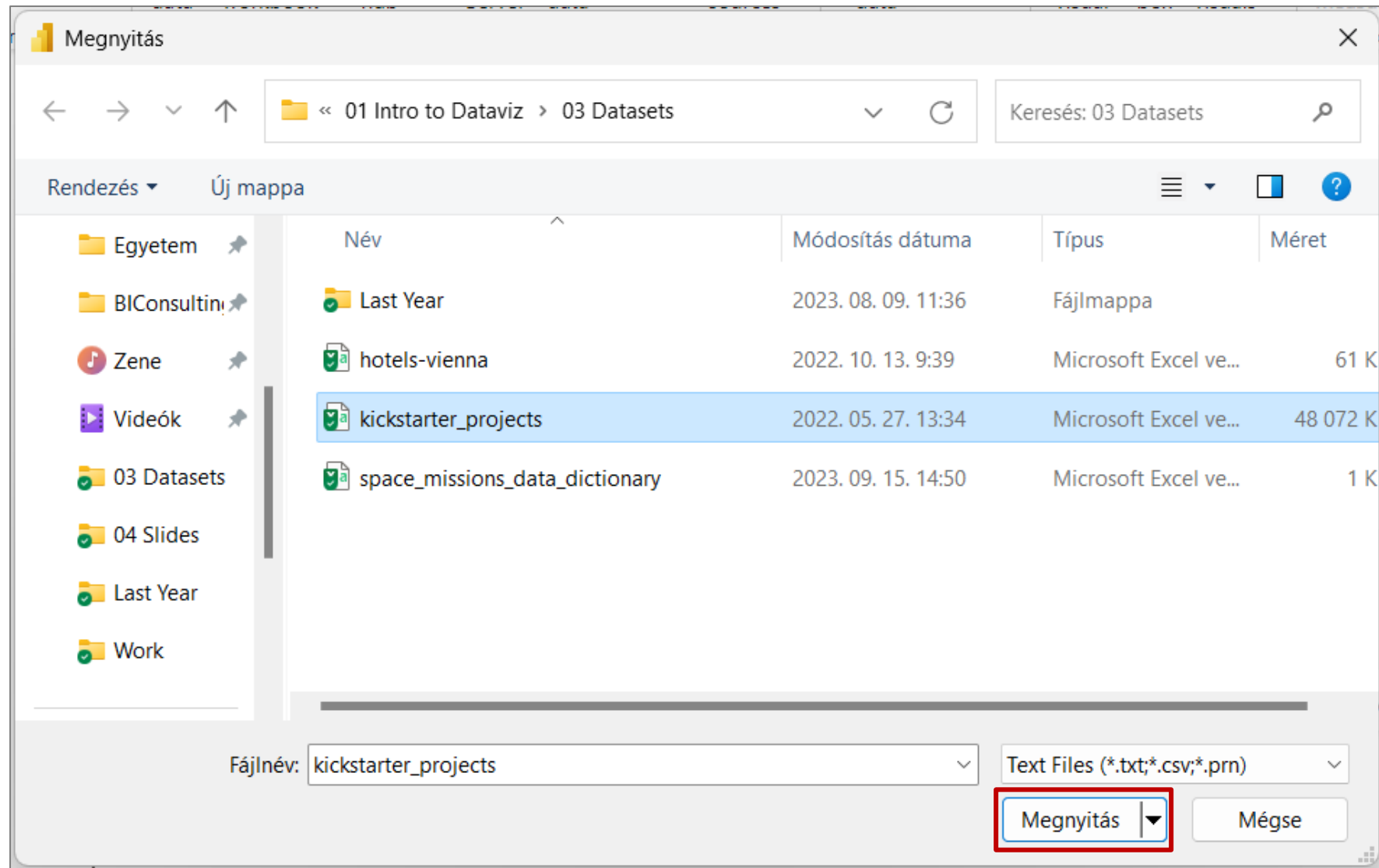
Open the get data menu

Get data



Select the appropriate data source and Connect (now csv)

Get data



Open the kickstarter csv

Get data

kickstarter_projects.csv

File Origin

65001: Unicode (UTF-8)

Delimiter

Semicolon

Data Type Detection

Based on first 200 rows

Column1	Column2
ID,Name,Category,Subcategory,Country,Launched,Dea...	
1860890148,Grace Jones Does Not Give A F\$#% T-Shirt...	
709707365,CRYSTAL ANTLERS UNTITLED MOVIE,Film &...	
1703704063,drawing for dollars,Art,Illustration,United...	
727286,Offline Wikipedia iPhone app,Technology,Softw...	
1622952265,Pantshirts,Fashion,Fashion,United States,2...	
2089078683,New York Makes a Book!.,Journalism,Jour...	
830477146,Web Site for Short Horror Film,Film & Video...	
266044220,Help me write my second novel.,Publishing,...	
1502297238,Produce a Play (Canceled),Theater,Theate...	
813230527,Sponsor Dereck Blackburn (Lostwars) Artist...	
469734648,kicey to iceland,Photography,Photography,...	
515267366,Crossword Puzzles!,Games,Puzzles,United S...	
1167151653,Smogr Alert Field Recording,Design,Graphi...	
177921463,Icons for your iPhone apps,Technology,Soft...	
1099226462,Logical Guess Pictures' 2nd Horror Movie!,...	
2147219671,You Are Among Friends: a book for the littl...	
1147015301,"""All We Had"" Gets Into Cannes -- \$10 or...	
1304906577,Accidental to Edinburgh - PHASE 1: AIRFAR...	
1801448924,Accidental to Edinburgh - PHASE 1: REBUIL...	

The data in the preview has been truncated due to size limits.

Extract Table Using Examples

Load

Transform Data

Cancel

Change the delimiter to „Comma”

Get data

kickstarter_projects.csv

File Origin: 65001: Unicode (UTF-8) | Delimiter: Comma | Data Type Detection: Based on first 200 rows

Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8
ID	Name	Category	Subcategory	Country	Launched	Deadline	Goal
1860890148	Grace Jones Does Not Give A F\$#% T-Shirt (limited Editi...	Fashion	Fashion	United States	2009-04-21 21:02:48	2009-05-31	10
709707365	CRYSTAL ANTLERS UNTITLED MOVIE	Film & Video	Shorts	United States	2009-04-23 00:07:53	2009-07-20	80
1703704063	drawing for dollars	Art	Illustration	United States	2009-04-24 21:52:03	2009-05-03	20
727286	Offline Wikipedia iPhone app	Technology	Software	United States	2009-04-25 17:36:21	2009-07-14	99
1622952265	Pantshirts	Fashion	Fashion	United States	2009-04-27 14:10:39	2009-05-26	19
2089078683	New York Makes a Book!!	Journalism	Journalism	United States	2009-04-28 13:55:41	2009-05-16	30
830477146	Web Site for Short Horror Film	Film & Video	Shorts	United States	2009-04-29 02:04:21	2009-05-29	20
266044220	Help me write my second novel.	Publishing	Fiction	United States	2009-04-29 02:58:50	2009-05-29	50
1502297238	Produce a Play (Canceled)	Theater	Theater	United States	2009-04-29 04:37:37	2009-06-01	50
813230527	Sponsor Dereck Blackburn (Lostwars) Artist in Residenc...	Music	Rock	United States	2009-04-29 05:26:32	2009-05-16	30
469734648	kicey to iceland	Photography	Photography	United States	2009-04-29 06:43:44	2009-06-17	35
515267366	Crossword Puzzles!	Games	Puzzles	United States	2009-04-29 13:52:03	2009-06-30	15
1167151653	Smogr Alert Field Recording	Design	Graphic Design	United States	2009-04-29 22:08:13	2009-07-04	64
177921463	Icons for your iPhone apps	Technology	Software	United States	2009-04-29 23:11:15	2009-06-15	50
1099226462	Logical Guess Pictures' 2nd Horror Movie!	Film & Video	Film & Video	United States	2009-04-30 01:32:55	2009-06-06	50
2147219671	You Are Among Friends: a book for the little sisters I ne...	Publishing	Publishing	United States	2009-04-30 07:14:06	2009-07-01	35
1147015301	"All We Had" Gets Into Cannes -- \$10 or More Gets You...	Film & Video	Documentary	United States	2009-04-30 22:10:30	2009-05-20	30
1304906577	Accidental to Edinburgh - PHASE 1: AIRFARE	Theater	Theater	United States	2009-04-30 22:22:43	2009-06-05	60
1801448924	Accidental to Edinburgh - PHASE 1: REBUILDING THE SET	Theater	Theater	United States	2009-04-30 22:23:22	2009-07-15	10
001001585	Produce My Play	Theater	Theater	United States	2009-05-01 05:06:10	2009-06-01	50

Extract Table Using Examples | Load | **Transform Data** | Cancel

Select Transform Data for further data manipulation

Get data

Untitled - Power Query Editor

Fájl

Home

Transform

Add Column

View

Tools

Help

Close & Apply

New Source

Recent Sources

Enter Data

Data source settings

Manage Parameters

Refresh Preview

Properties

Advanced Editor

Choose Columns

Remove Columns

Keep Rows

Remove Rows

Sort

Split Column

Group By

Data Type: Text

Use First Row as Headers

Replace Values

Merge Queries

Append Queries

Combine Files

Text Analytics

Vision

Azure Machine Learning

AI Insights

Queries [1]

kickstarter_projects

AB_C Column1

Valid 100%

Error 0%

Empty 0%

1000 distinct, 1000 unique

AB_C Column2

Valid 100%

Error 0%

Empty 0%

1000 distinct, 1000 unique

AB_C Column3

Valid 100%

Error 0%

Empty 0%

14 distinct, 1 unique

AB_C Column4

Valid 100%

Error 0%

Empty 0%

54 distinct, 6 unique

AB_C Column5

Valid 100%

Error 0%

Empty 0%

2 distinct, 1 unique

1	ID	Name	Category	Subcategory	Country
2	1860890148	Grace Jones Does Not Give A F\$% T-Shirt (limited Edition)	Fashion	Fashion	United States
3	709707365	CRYSTAL ANTLERS UNTITLED MOVIE	Film & Video	Shorts	United States
4	1703704063	drawing for dollars	Art	Illustration	United States
5	727286	Offline Wikipedia iPhone app	Technology	Software	United States
6	1622952265	Pantshirts	Fashion	Fashion	United States
7	2089078683	New York Makes a Book!!	Journalism	Journalism	United States
8	830477146	Web Site for Short Horror Film	Film & Video	Shorts	United States
9	266044220	Help me write my second novel.	Publishing	Fiction	United States
10	1502297238	Produce a Play (Canceled)	Theater	Theater	United States
11	813230527	Sponsor Dereck Blackburn (Lostwars) Artist in Residence in Kankakee IL...	Music	Rock	United States
12	469734648	kicey to iceland	Photography	Photography	United States
13	515267366	Crossword Puzzles!	Games	Puzzles	United States
14	1167151653	Smogr Alert Field Recording	Design	Graphic Design	United States
15	177921463	Icons for your iPhone apps	Technology	Software	United States
16	1099226462	Logical Guess Pictures' 2nd Horror Movie!	Film & Video	Film & Video	United States
17	2147219671	You Are Among Friends: a book for the little sisters I never had	Publishing	Publishing	United States
18	1147015301	"All We Had" Gets Into Cannes -- \$10 or More Gets You Added To Cred...	Film & Video	Documentary	United States
19	1304906577	Accidental to Edinburgh - PHASE 1: AIRFARE	Theater	Theater	United States
20	1801448924	Accidental to Edinburgh - PHASE 1: REBUILDING THE SET	Theater	Theater	United States
21	901991585	Produce My Play	Theater	Theater	United States

11 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

Query Settings

PROPERTIES

Name

kickstarter_projects

All Properties

APPLIED STEPS

Source

PREVIEW DOWNLOADED AT 12:37

Keresés

12:39 2023. 09. 18.

Use First Row as Headers

Get data

Untitled - Power Query Editor

Fájl

Home

Transform

Add Column

View

Tools

Help

Close & Apply

New Source

Recent Sources

Enter Data

Data source settings

Manage Parameters

Refresh Preview

Properties

Advanced Editor

Manage

Choose Columns

Remove Columns

Keep Rows

Remove Rows

Sort

Split Column

Group By

Data Type: Text

Use First Row as Headers

Replace Values

Merge Queries

Append Queries

Combine Files

Text Analytics

Vision

Azure Machine Learning

Combine

AI Insights

Queries [1]

kickstarter_projects

AB_C ID

AB_C Name

AB_C Category

AB_C Subcategory

AB_C Country

Valid 100%

Error 0%

Empty 0%

Valid 100%

Error 0%

Empty 0%

Valid 100%

Error 0%

Empty 0%

Valid 100%

Error 0%

Empty 0%

Valid 100%

Error 0%

Empty 0%

1000 distinct, 1000 unique

1000 distinct, 1000 unique

15 distinct, 0 unique

55 distinct, 5 unique

1 distinct, 0 unique

1	1860890148	Grace Jones Does Not Give A F\$#% T-Shirt (limited Edition)	Fashion	Fashion	United States
2	709707365	CRYSTAL ANTLERS UNTITLED MOVIE	Film & Video	Shorts	United States
3	1703704063	drawing for dollars	Art	Illustration	United States
4	727286	Offline Wikipedia iPhone app	Technology	Software	United States
5	1622952265	Pantshirts	Fashion	Fashion	United States
6	2089078683	New York Makes a Book!!	Journalism	Journalism	United States
7	830477146	Web Site for Short Horror Film	Film & Video	Shorts	United States
8	266044220	Help me write my second novel.	Publishing	Fiction	United States
9	1502297238	Produce a Play (Canceled)	Theater	Theater	United States
10	813230527	Sponsor Dereck Blackburn (Lostwars) Artist in Residence in Kankakee IL...	Music	Rock	United States
11	469734648	kicey to iceland	Photography	Photography	United States
12	515267366	Crossword Puzzles!	Games	Puzzles	United States
13	1167151653	Smogr Alert Field Recording	Design	Graphic Design	United States
14	177921463	Icons for your iPhone apps	Technology	Software	United States
15	1099226462	Logical Guess Pictures' 2nd Horror Movie!	Film & Video	Film & Video	United States
16	2147219671	You Are Among Friends: a book for the little sisters I never had	Publishing	Publishing	United States
17	1147015301	"All We Had" Gets Into Cannes -- \$10 or More Gets You Added To Cred...	Film & Video	Documentary	United States
18	1304906577	Accidental to Edinburgh - PHASE 1: AIRFARE	Theater	Theater	United States
19	1801448924	Accidental to Edinburgh - PHASE 1: REBUILDING THE SET	Theater	Theater	United States
20	901991585	Produce My Play	Theater	Theater	United States
21	1578671837	Support casting my sculpture in bronze	Art	Sculpture	United States

11 COLUMNS, 999+ ROWS

Column profiling based on top 1000 rows

Query Settings

PROPERTIES

Name

kickstarter_projects

All Properties

APPLIED STEPS

Source

Promoted Headers

PREVIEW DOWNLOADED AT 12:40

12:41

2023. 09. 18.

You can see the applied steps expanded with a new step and we have correct column namings

Get data

The screenshot displays the Power Query Editor window titled 'Untitled - Power Query Editor'. The ribbon includes tabs for 'Fájl', 'Home', 'Transform', 'Add Column', 'View', 'Tools', and 'Help'. The 'Transform' tab is active, showing options like 'Merge Queries', 'Append Queries', 'Combine Files', 'Text Analytics', 'Vision', and 'Azure Machine Learning'. The 'Query' section shows the formula bar with '= Table.PromoteHeaders(Source, [PromoteAllScalars=true])'. The 'Queries' list on the left shows 'kickstarter_projects'. The main data view shows a table with columns: 'launched', 'Deadline', 'Goal', 'Pledged', 'Backers', and 'State'. A dropdown menu is open for the 'launched' column, showing data types: 'Decimal Number', 'Fixed decimal number', 'Whole Number', 'Percentage', 'Date/Time', 'Date', 'Time', 'Date/Time/Timezone', 'Duration', 'Text', 'True/False', 'Binary', and 'Using Locale...'. The 'Date/Time' option is highlighted. The table data includes rows with dates, deadlines, goals, pledged amounts, backers, and states. The 'Column statistics' and 'Value distribution' panels are visible at the bottom. The status bar at the bottom indicates '11 COLUMNS, 999+ ROWS' and 'Column profiling based on top 1000 rows'. The system tray at the bottom shows the Windows taskbar with various icons and the time '12:43' on '2023. 09. 18.'.

launched	Deadline	Goal	Pledged	Backers	State	
1.2	Valid	100%	Valid	100%	Valid	100%
\$	Error	0%	Error	0%	Error	0%
123	Empty	0%	Empty	0%	Empty	0%
%						
Date/Time	distinct, 51 unique	175 distinct, 110 unique	59% distinct, 485 unique	150 distinct, 55 unique	3 distinct, 0 unique	
Date	9-05-31	1000	625	30	Failed	
Time	9-07-20	80000	22	3	Failed	
Date/Time/Timezone	9-05-03	20	35	3	Successful	
Duration	9-07-14	99	145	25	Successful	
Text	9-05-26	1900	387	10	Failed	
True/False	9-05-16	3000	3329	110	Successful	
Binary	9-05-29	200	41	3	Failed	
Using Locale...	2009-04-29 02:58:50	500	563	18	Successful	
	2009-04-29 04:37:37	500	0	0	Canceled	
	2009-04-29 05:26:32	300	15	2	Failed	
	2009-04-29 06:43:44	350	1630	31	Successful	
	2009-04-29 13:52:03	1500	2265	163	Successful	
	2009-04-29 22:08:13	640	41	3	Failed	
	2009-04-29 23:11:15	500	1820	98	Successful	
	2009-04-30 01:32:55	500	502	22	Successful	
	2009-04-30 07:14:06	350	750	41	Successful	
	2009-04-30 22:10:30	300	40	4	Failed	
	2009-04-30 22:22:43	6000	6575	24	Successful	

Select the small icon before the column namings to change the data type for the column

Columns where data type change is needed:

- Launched – to Date/Time
- Deadline – to Date
- Goal – to Whole number
- Pledged – to Whole number
- Backers – to Whole number

Close & Apply

Close the Query Editor window and apply any pending changes.

Table.TransformColumnTypes(#"Promoted Headers",{{"Launched", type datetime}, {"Deadline", type date}, {"Goal", Int64.Type}, {"Pledged", Int64.Type}, {"Backers", Int64.Type}, {"State", type text})

Launched	Deadline	Goal	Pledged	Backers	State
Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%	Valid 100% Error 0% Empty 0%
9 distinct, 998 unique	220 distinct, 51 unique	175 distinct, 110 unique	596 distinct, 485 unique	150 distinct, 55 unique	3 distinct, 0 unique
1 2009. 04. 21. 21:02:48	2009. 05. 31.	1000	625	30	Failed
2 2009. 04. 23. 0:07:53	2009. 07. 20.	80000	22	3	Failed
3 2009. 04. 24. 21:52:03	2009. 05. 03.	20	35	3	Successful
4 2009. 04. 25. 17:36:21	2009. 07. 14.	99	145	25	Successful
5 2009. 04. 27. 14:10:39	2009. 05. 26.	1900	387	10	Failed
6 2009. 04. 28. 13:55:41	2009. 05. 16.	3000	3329	110	Successful
7 2009. 04. 29. 2:04:21	2009. 05. 29.	200	41	3	Failed
8 2009. 04. 29. 2:58:50	2009. 05. 29.	500	563	18	Successful
9 2009. 04. 29. 4:37:37	2009. 06. 01.	500	0	0	Canceled
10 2009. 04. 29. 5:26:32	2009. 05. 16.	300	15	2	Failed
11 2009. 04. 29. 6:43:44	2009. 06. 17.	350	1630	31	Successful
12 2009. 04. 29. 13:52:03	2009. 06. 30.	1500	2265	163	Successful
13 2009. 04. 29. 22:08:13	2009. 07. 04.	640	41	3	Failed
14 2009. 04. 29. 23:11:15	2009. 06. 15.	500	1820	98	Successful
15 2009. 04. 30. 1:32:55	2009. 06. 06.	500	502	22	Successful
16 2009. 04. 30. 7:14:06	2009. 07. 01.	350	750	41	Successful
17 2009. 04. 30. 22:10:30	2009. 05. 20.	300	40	4	Failed
18 2009. 04. 30. 22:22:43	2009. 06. 05.	6000	6575	24	Successful
19 2009. 04. 30. 22:23:22	2009. 07. 15.	10000	10145	27	Successful
20 2009. 05. 01. 5:06:19	2009. 06. 01.	500	575	21	Successful
21 2009. 05. 01. 14:22:21	2009. 05. 31.	2000	25	1	Failed

11 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 12:46

After the changes Close & Apply

Summary

- Steps for loading data – so far
 - Connecting to a CSV data source
 - Promoting Headers
 - Changing column data types
 - Applying the completed steps

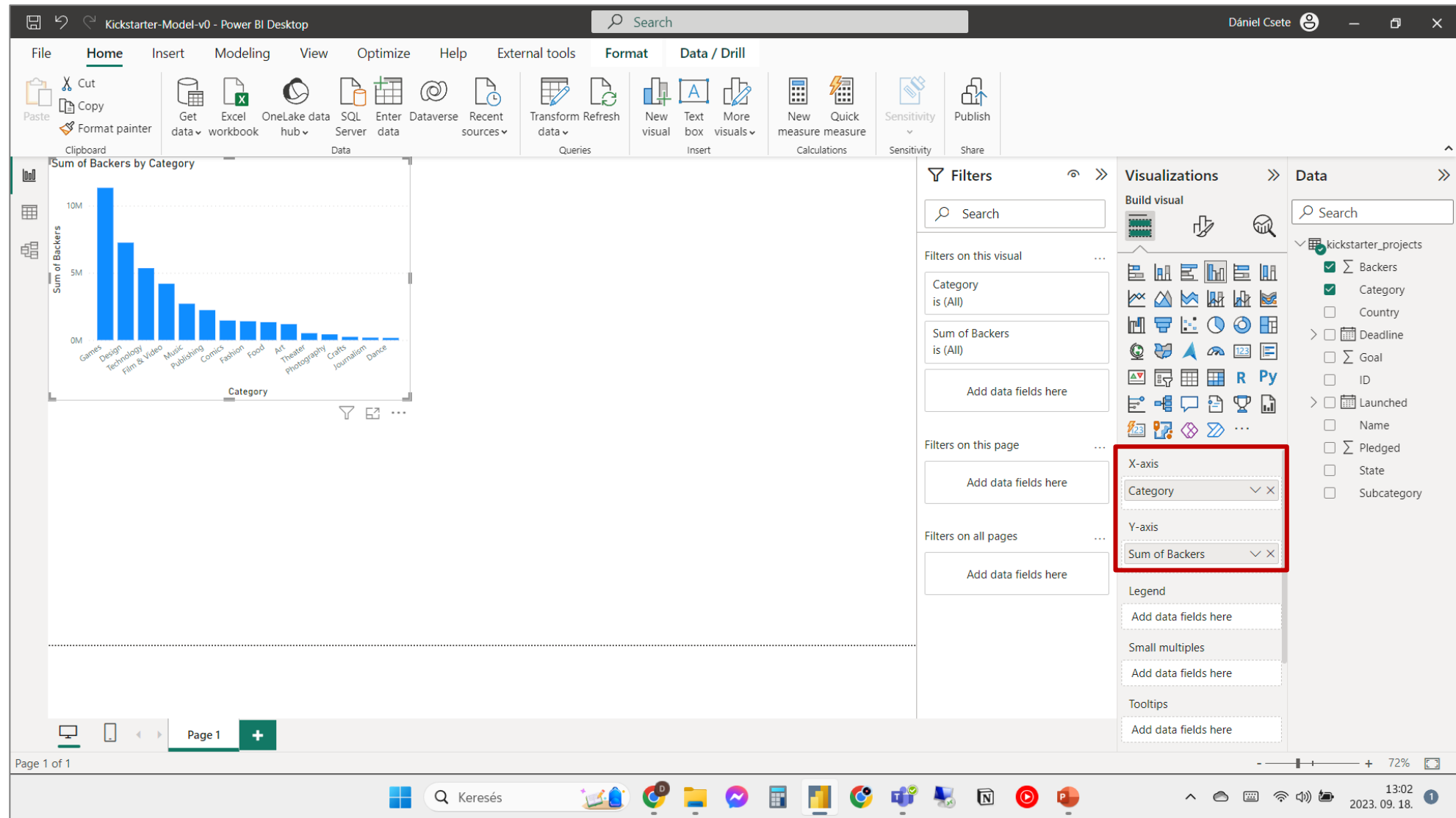
Creating your first chart

Creating your first chart

Create a bar chart that shows the sum of backers for each category!

1. Select the appropriate visual
2. Select Category as X axis value
3. Select Backers as Y axis value
4. Leave the summarization as Sum
5. Format the fonts and axes

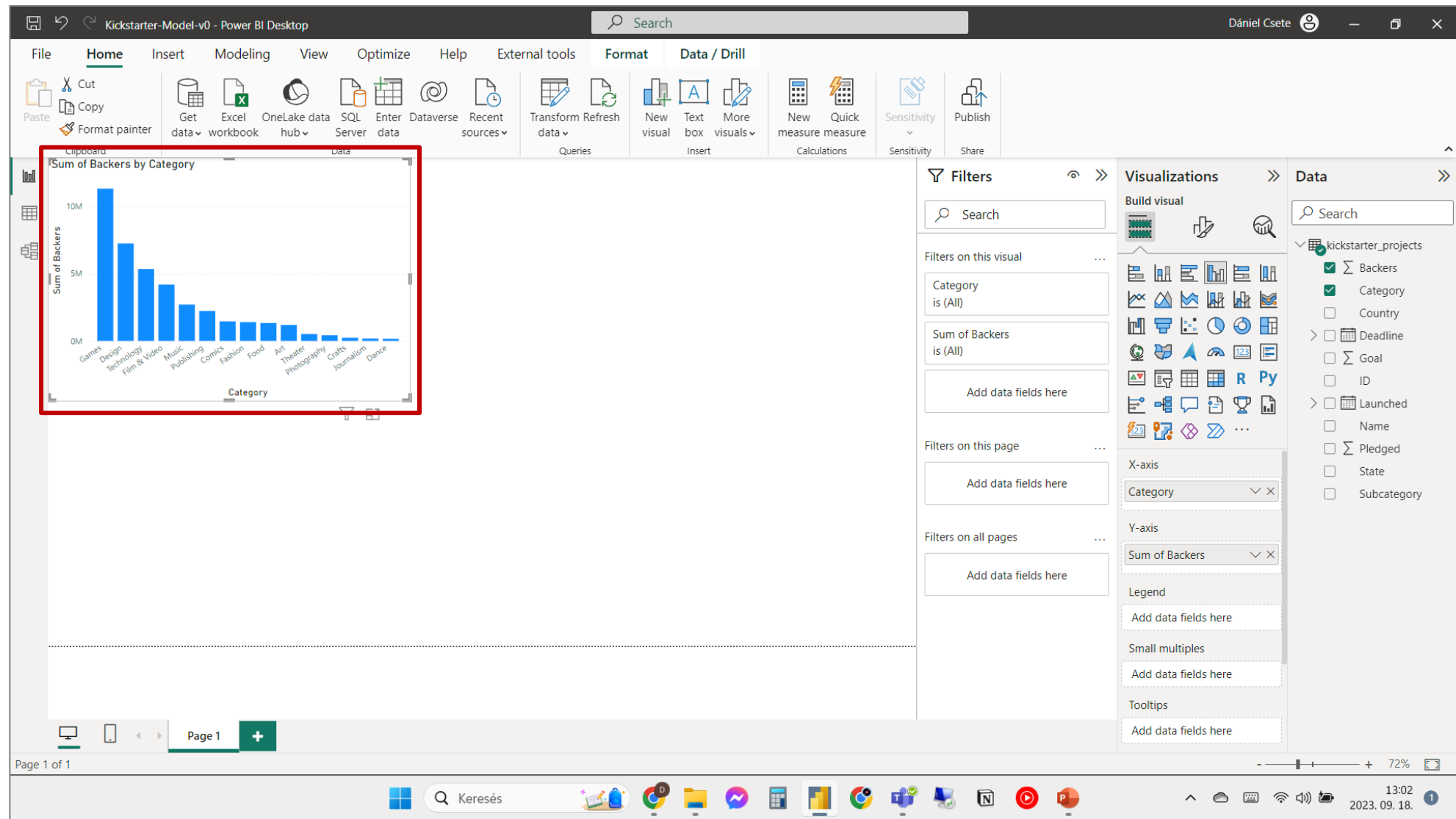
Creating your first chart



After the data is added you can see the columns at the Data pane

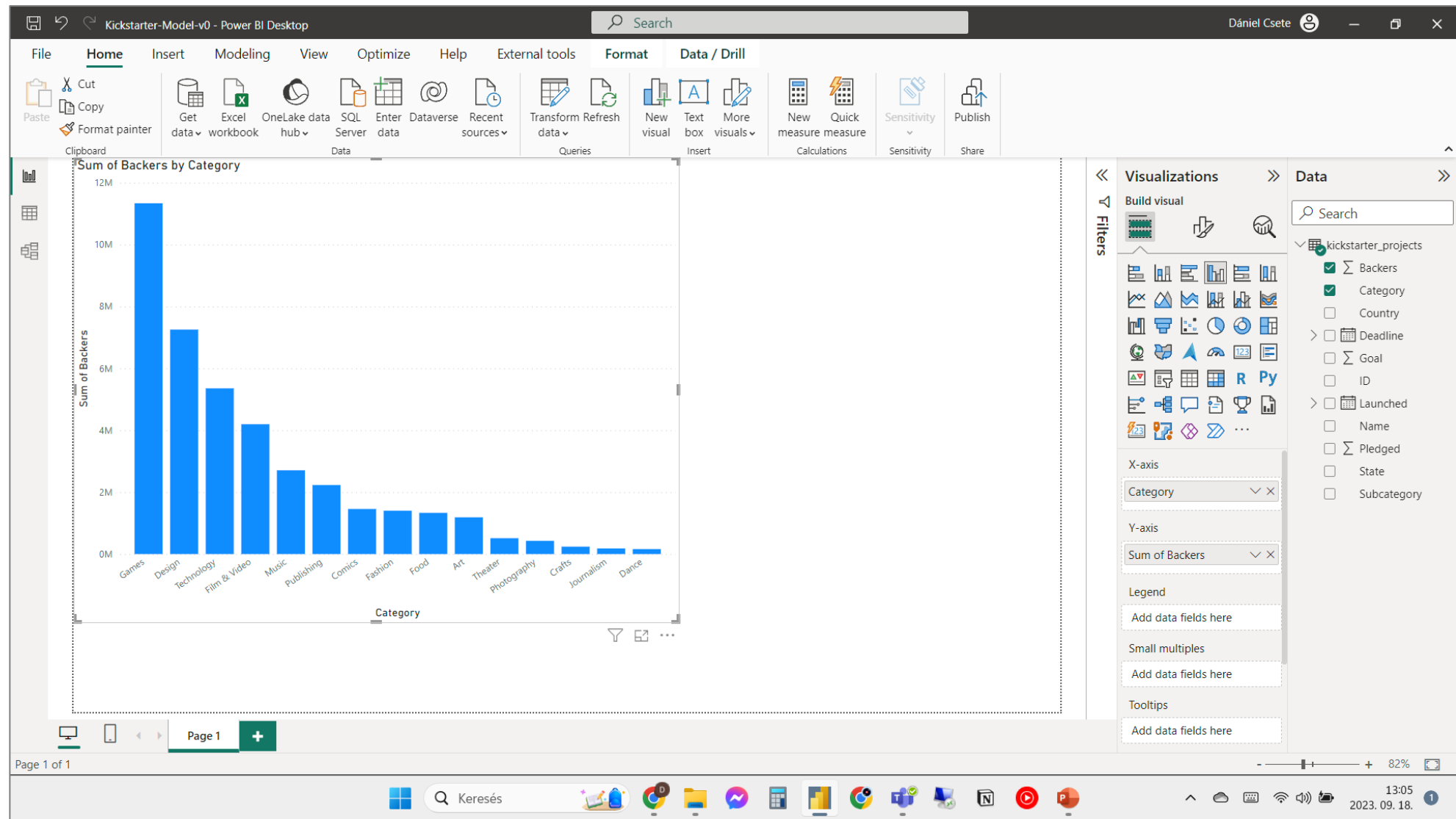
Basic formatting

Sizing



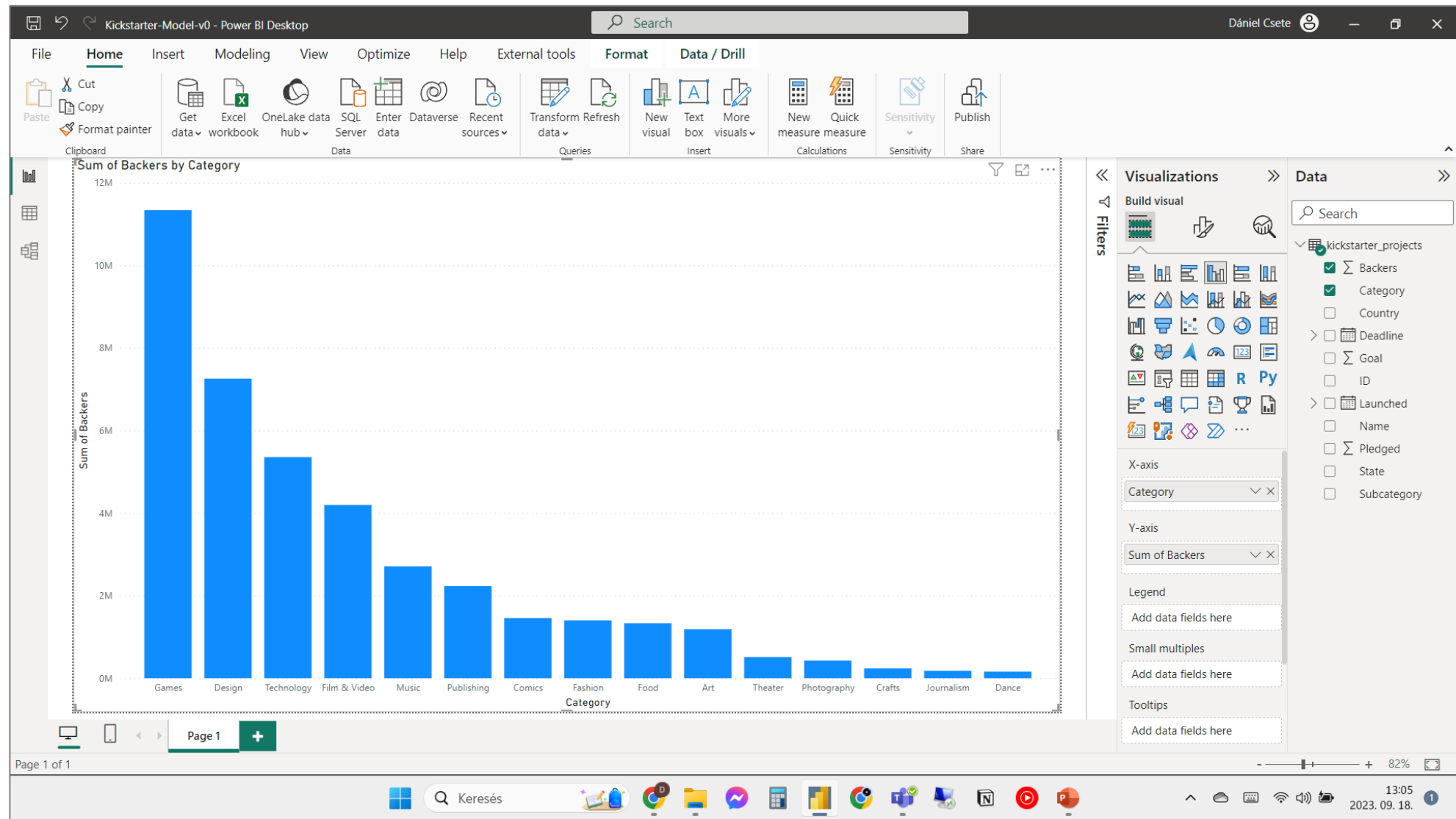
With the edge of the visual you can re-size it

Sizing



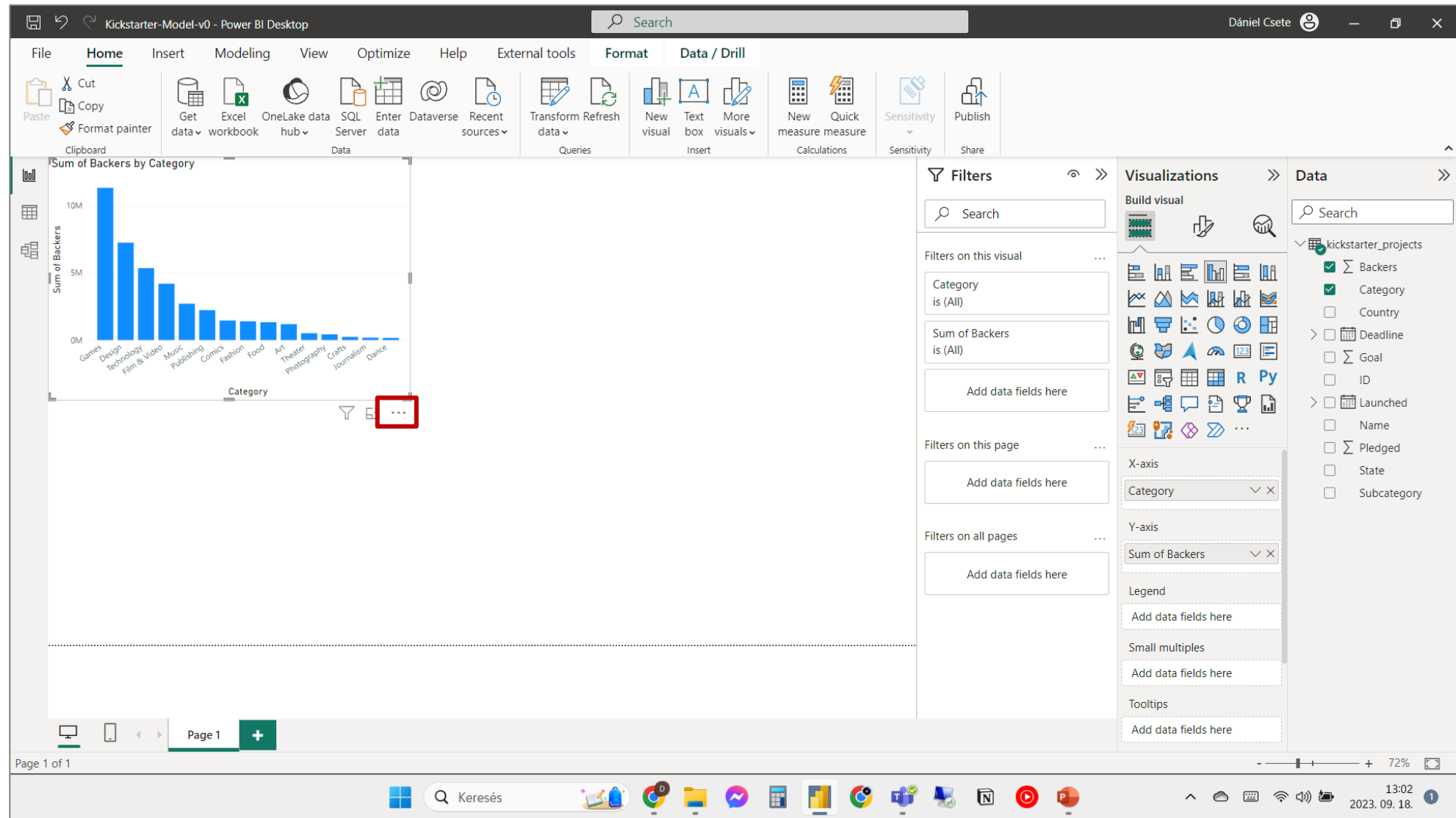
With the edge of the visual you can re-size it

Sizing



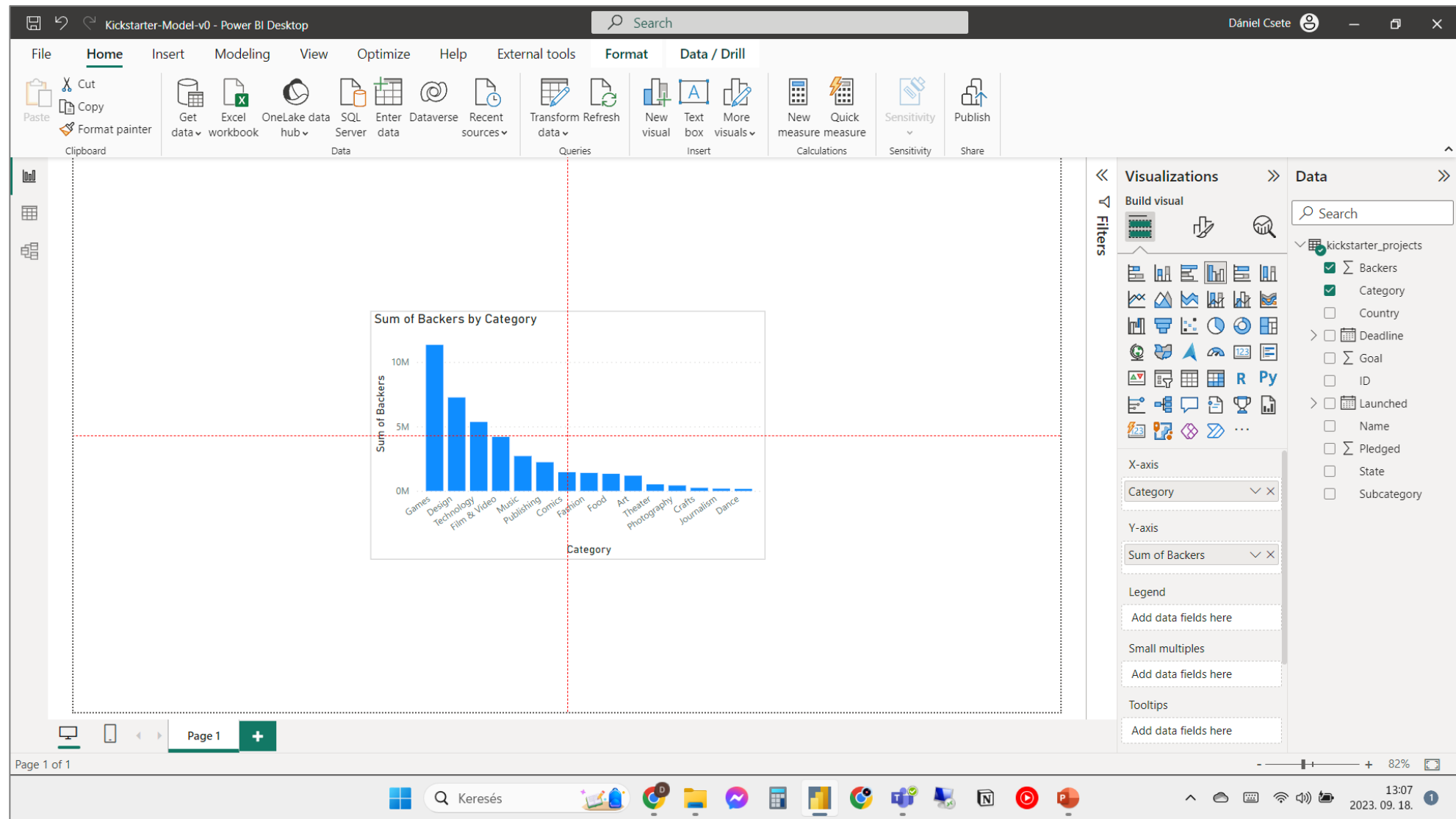
Whole page size visual

Positioning a visual



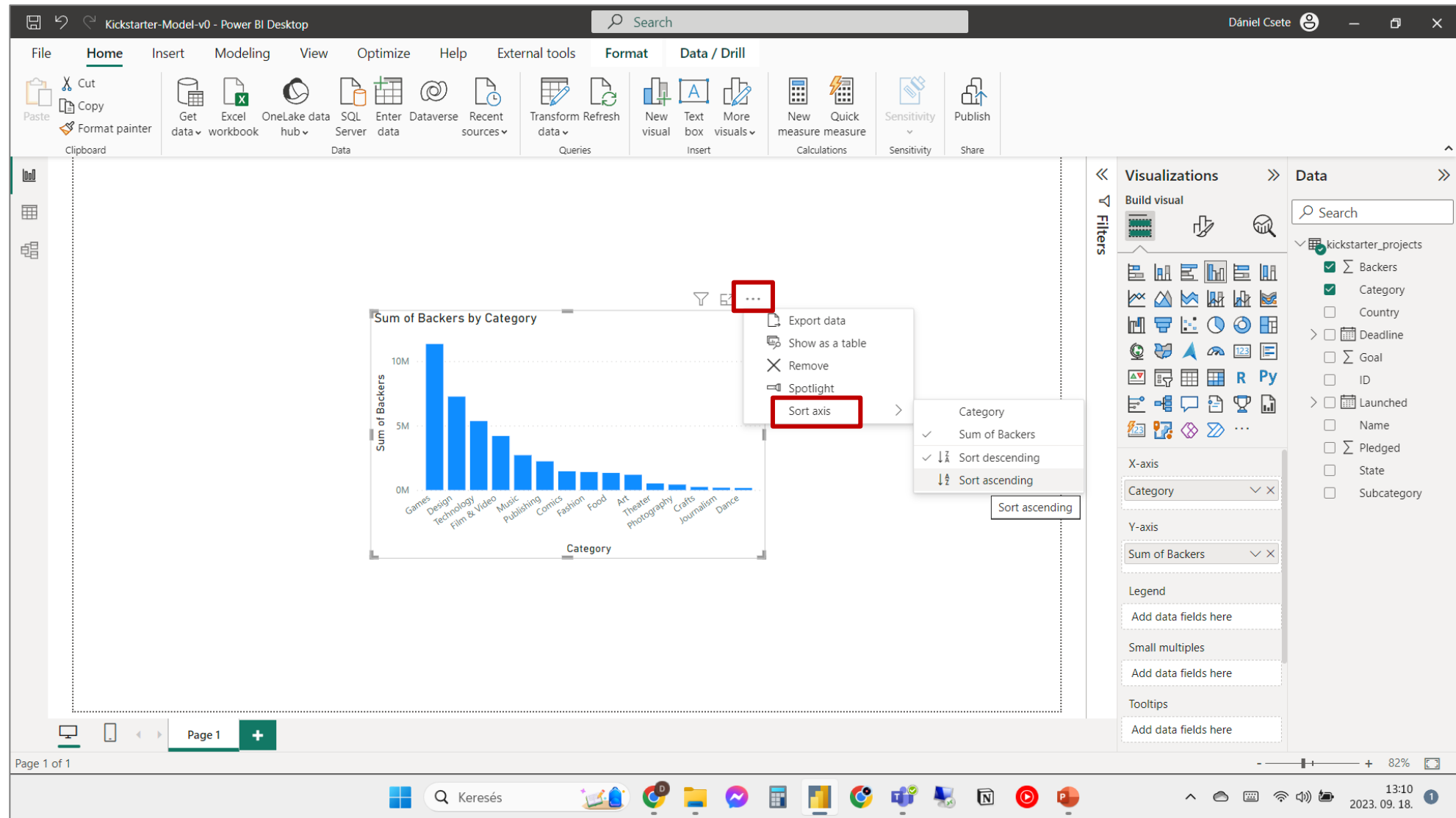
Click and hold the 3 dots or the very edge of a visual to re-position it on the Canvas

Positioning a visual



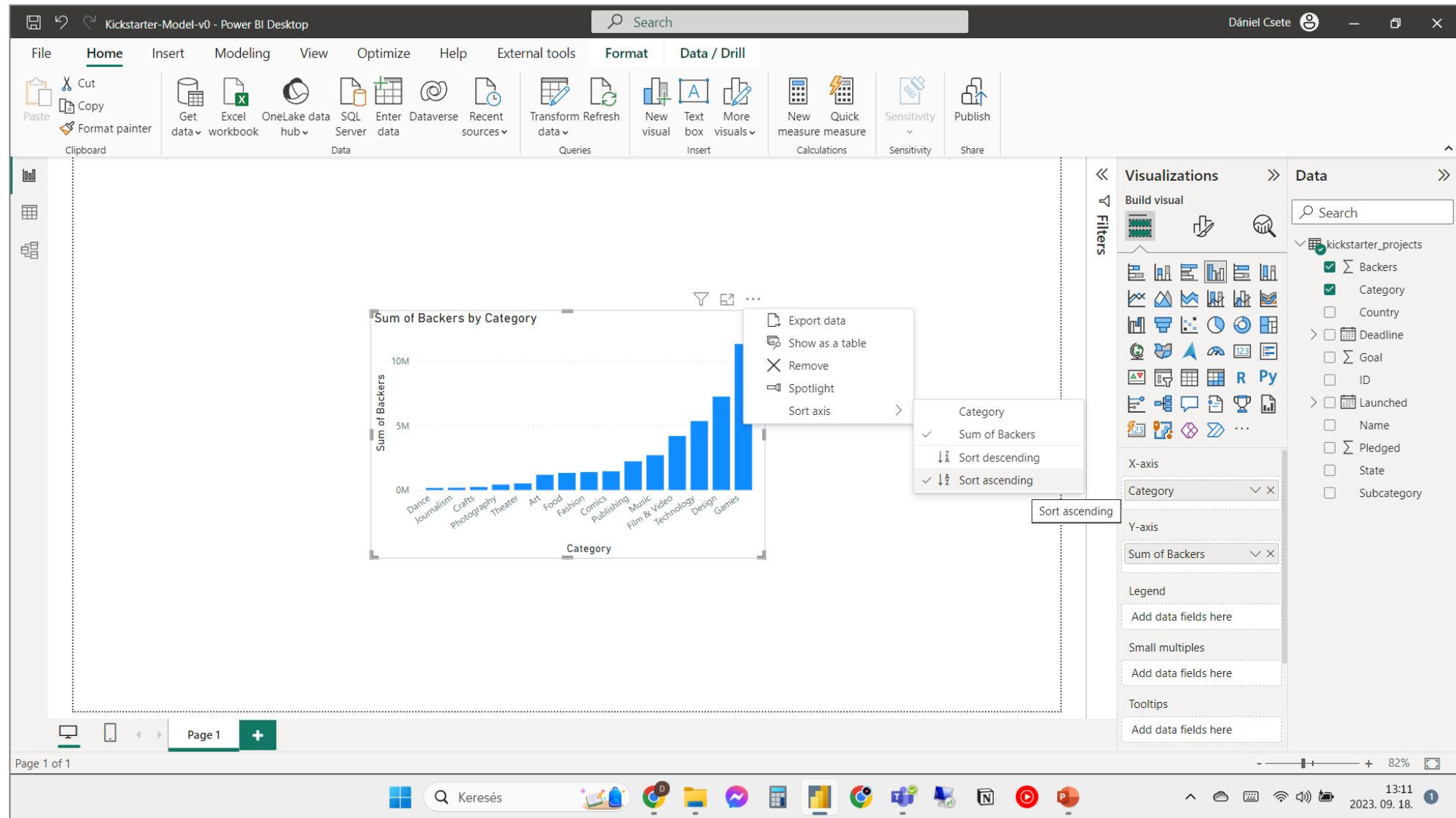
When moving the visuals you can use the assistance rulers as well

Ordering



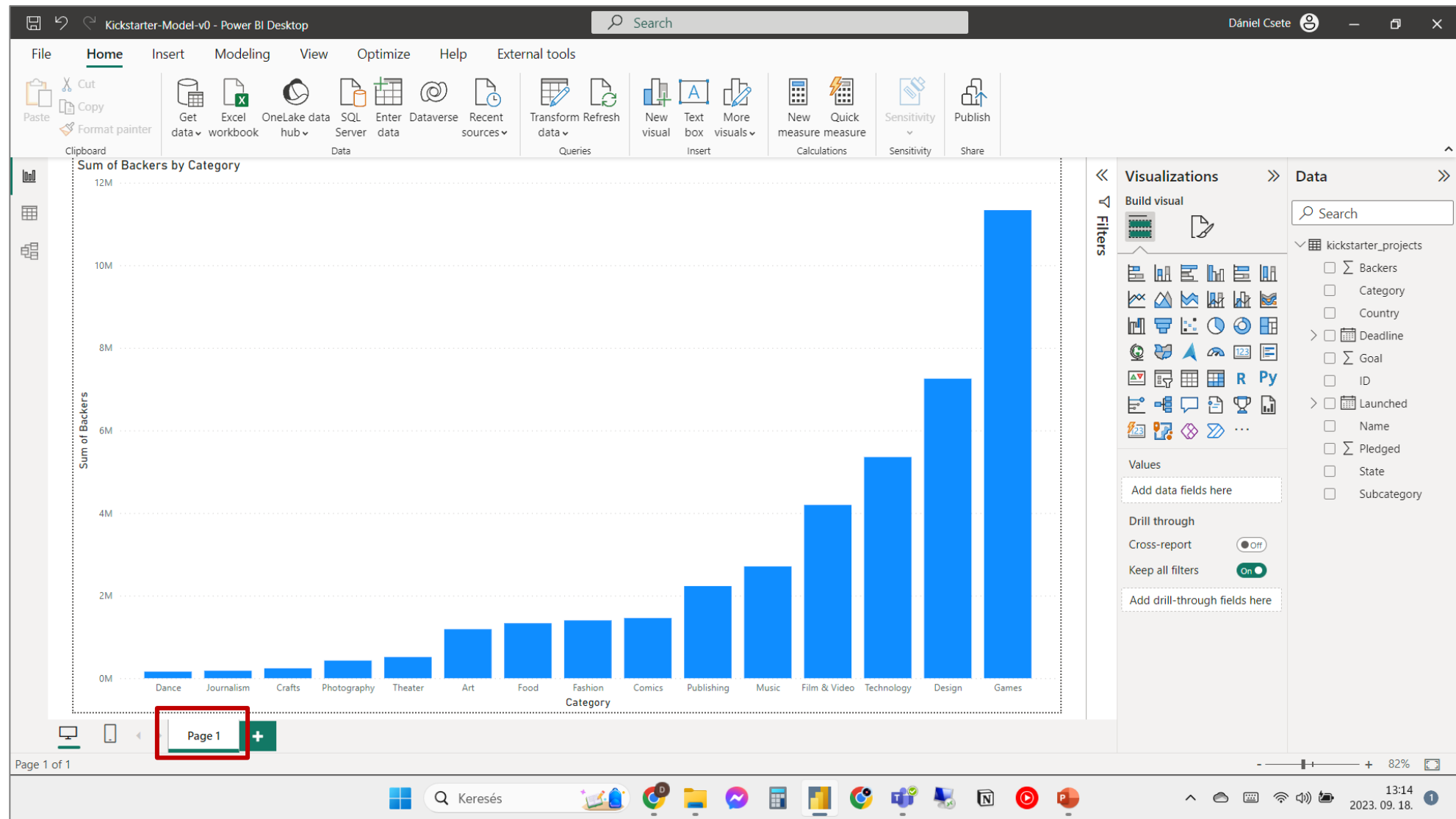
Here you can change the ordering of the columns : 3 dots / Sort axis

Ordering



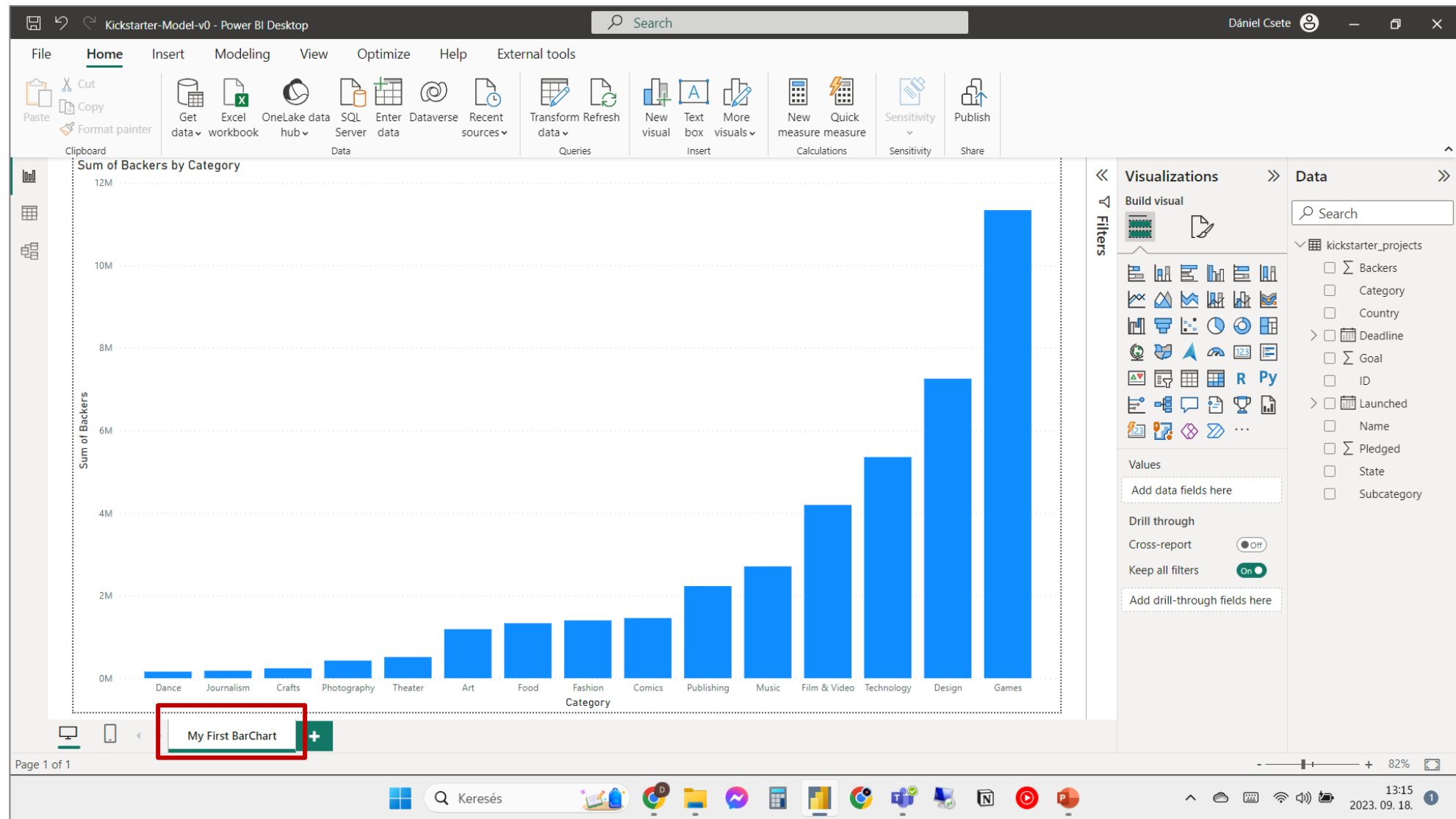
After re-ordering the columns are in an ascending order

Rename the page



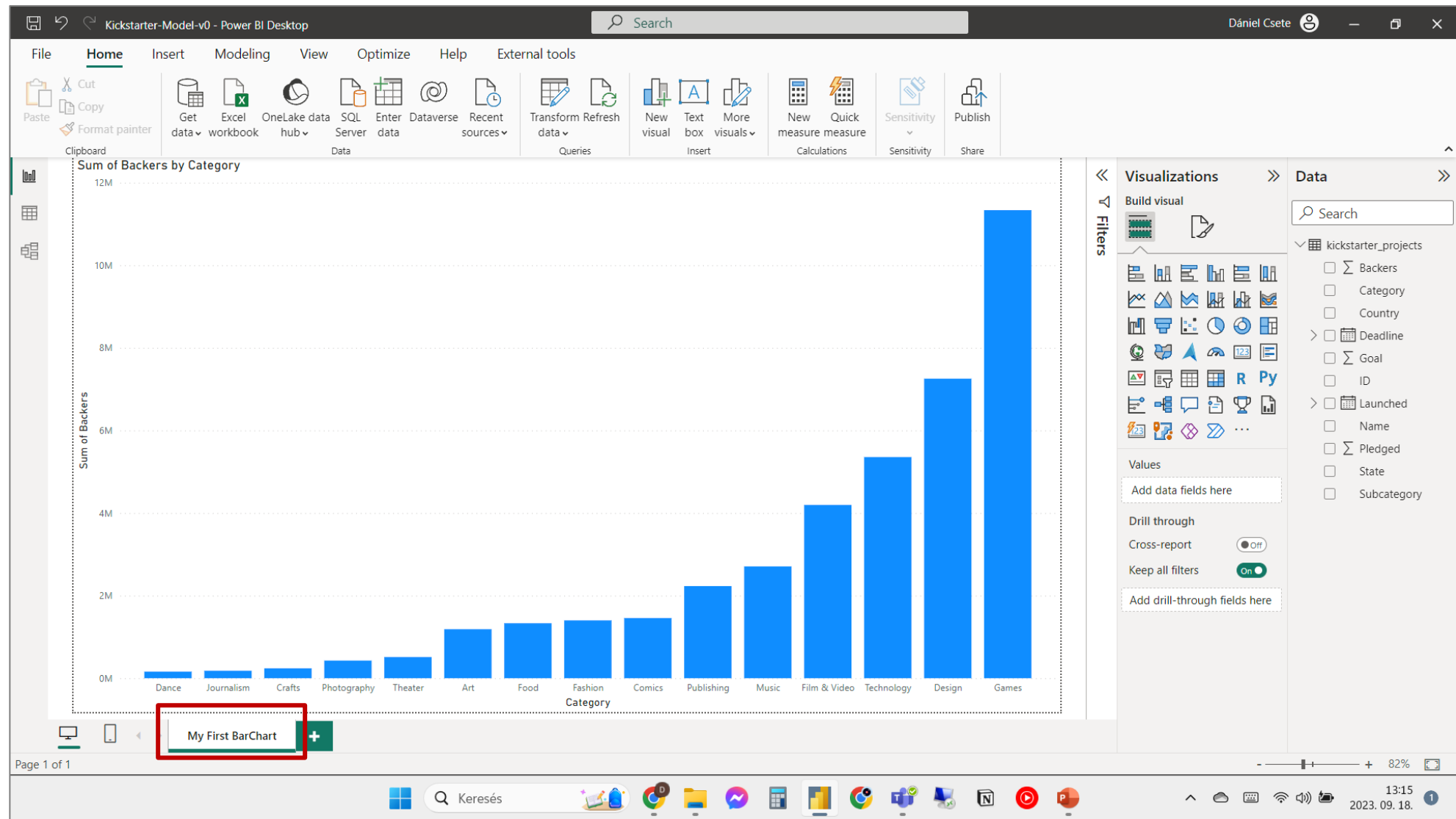
Give descriptive titles to the pages as well

Rename the page



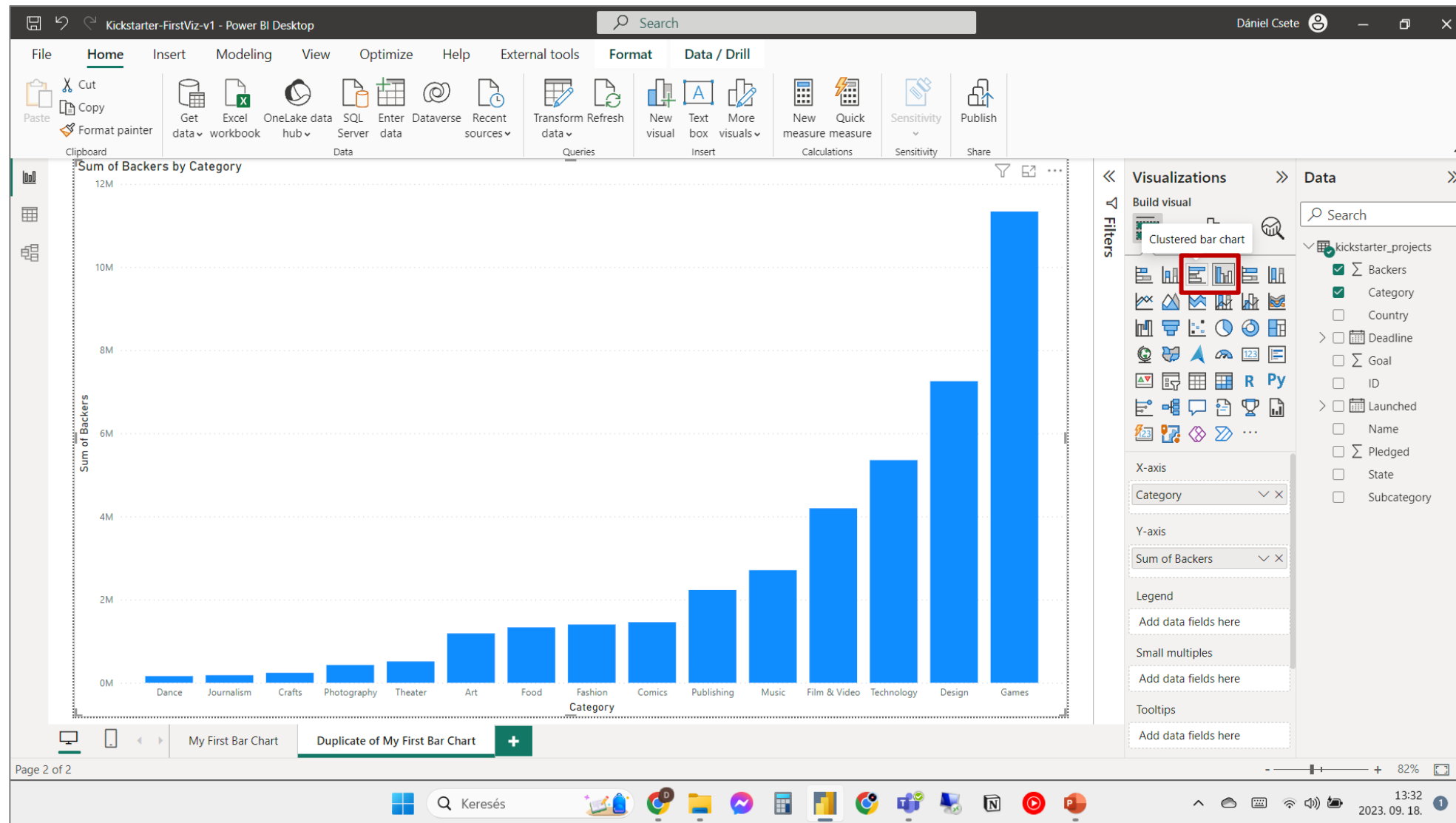
Now you can see the changed page naming

Duplicate the page



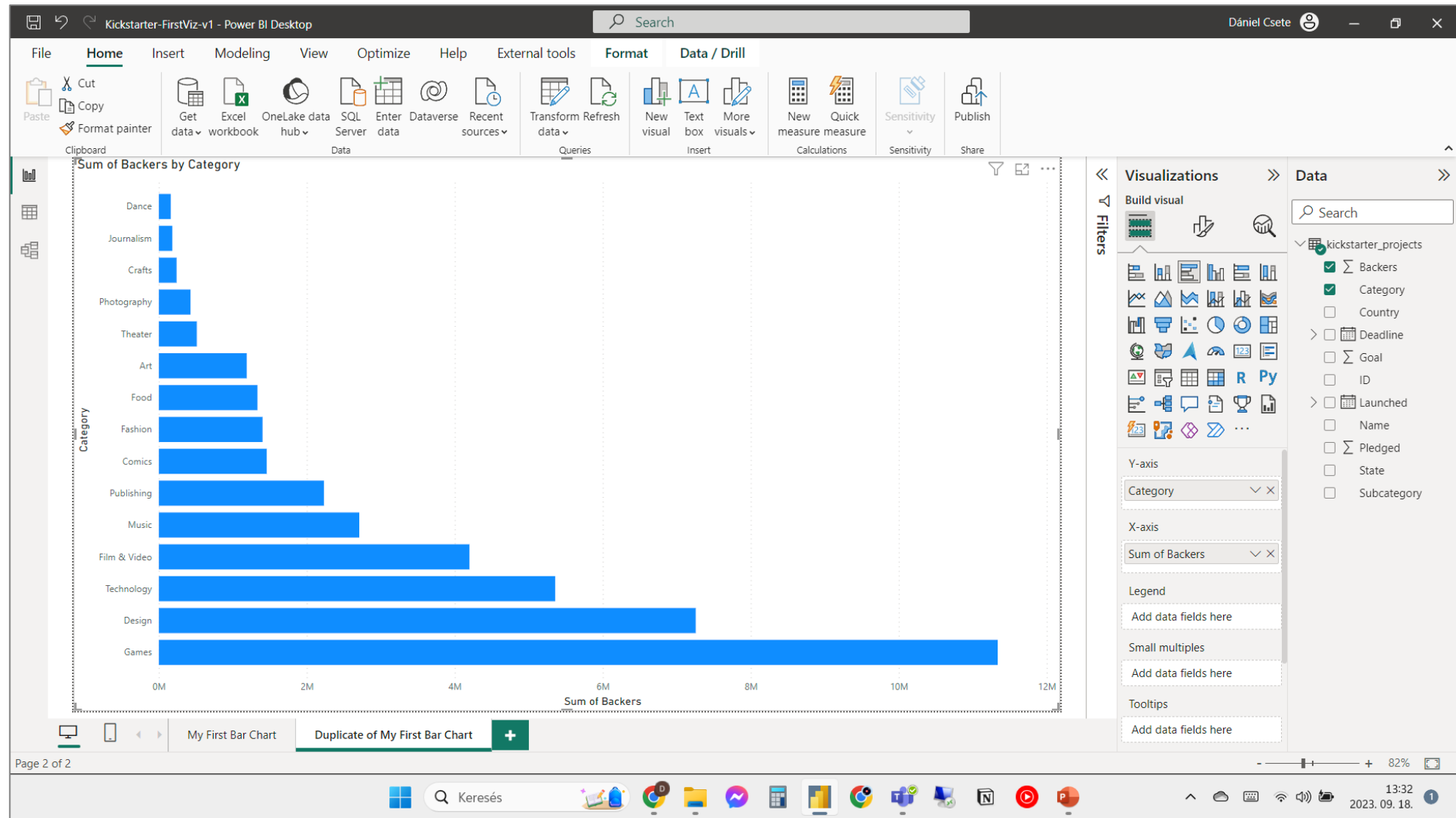
Right click the page, then select Duplicate Page

Using a different chart type



Select the visual, then select a different (horizontal bar chart) chart type

Using a different chart type



Now we can format the titles, fonts, axes as well (later)

Summary

Summary

Lessons learned:

- Power BI overview
- Power BI Desktop user interface
- How to get data from CSV
- Basic data transformations (Promoting headers, changing column types)
- Creating a visualization from the data
- Simple formatting
- Renaming and duplicating a Page
- Saving your work as a .pbix file

Thank You

