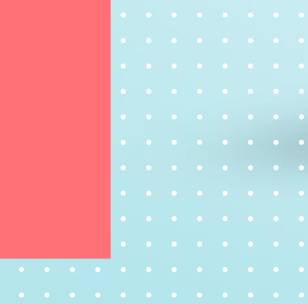
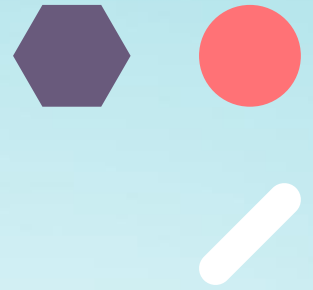




# Power BI Advanced External tools

Data & Automation Line Up 2024



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# Inês Oliveira

Data Analytics Consultant

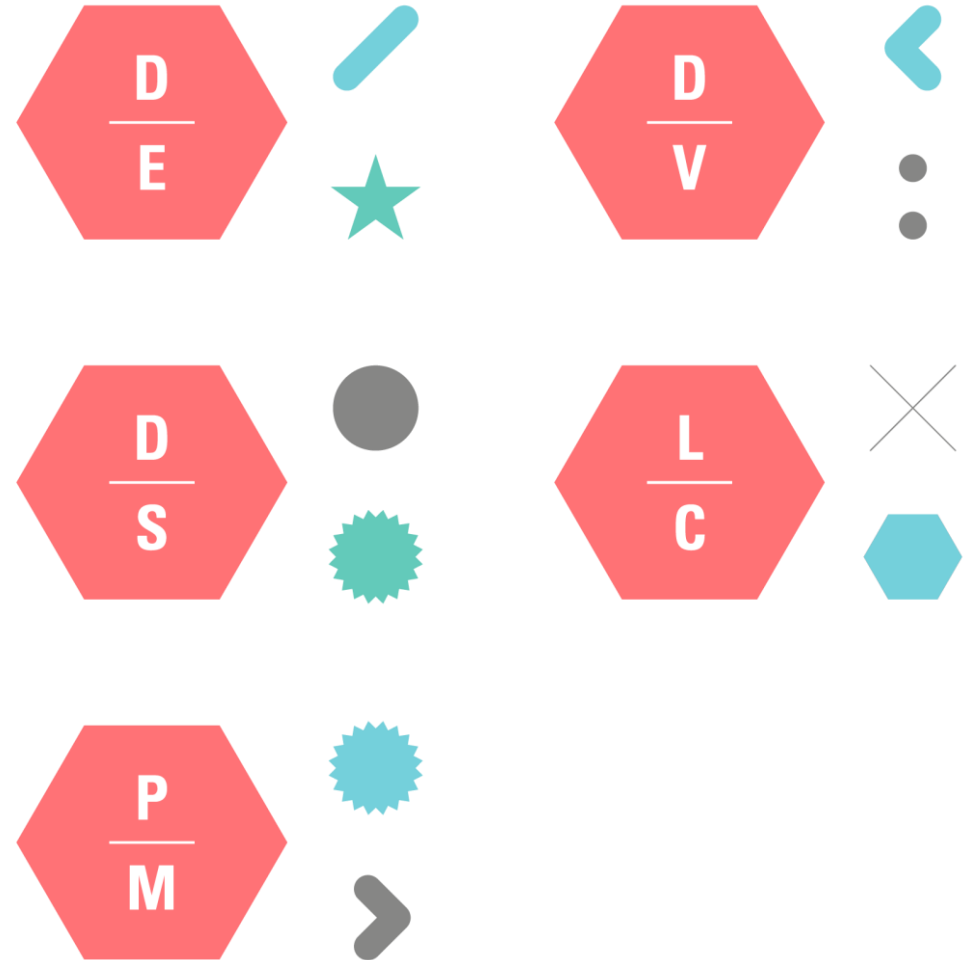
**Connect on LinkedIn:**



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## About Rockfeather

At Rockfeather, we're not just consultants; we're dream builders. We turn your Data & Automation vision into reality, using the power of technology to bring your ideas to new heights. Working hand-in-hand with you, we empower you to achieve your goals. Ready to see your solid ideas take flight? Partner with Rockfeather today, and let's start a journey of innovation and success. Together, there's no limit to what we can achieve.



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## Our technologies

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Tableau



Power BI



Azure Data Factory



TimeXtender

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DBT



Power Apps



Azure Logic Apps



Azure ML

---



Databricks



Outsystems



Acterys



Alteryx

---



Power Automate



Process Science



Python



Airbyte

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# Benefits

- Powerful extensions / addons for Power BI Desktop
- Community driven tools
- Develop **efficiently** and **effectively**



- Extensive options to support your specific needs



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## TOP 3 External Tools



**Tabular Editor**



**Bravo**  
FOR POWER BI



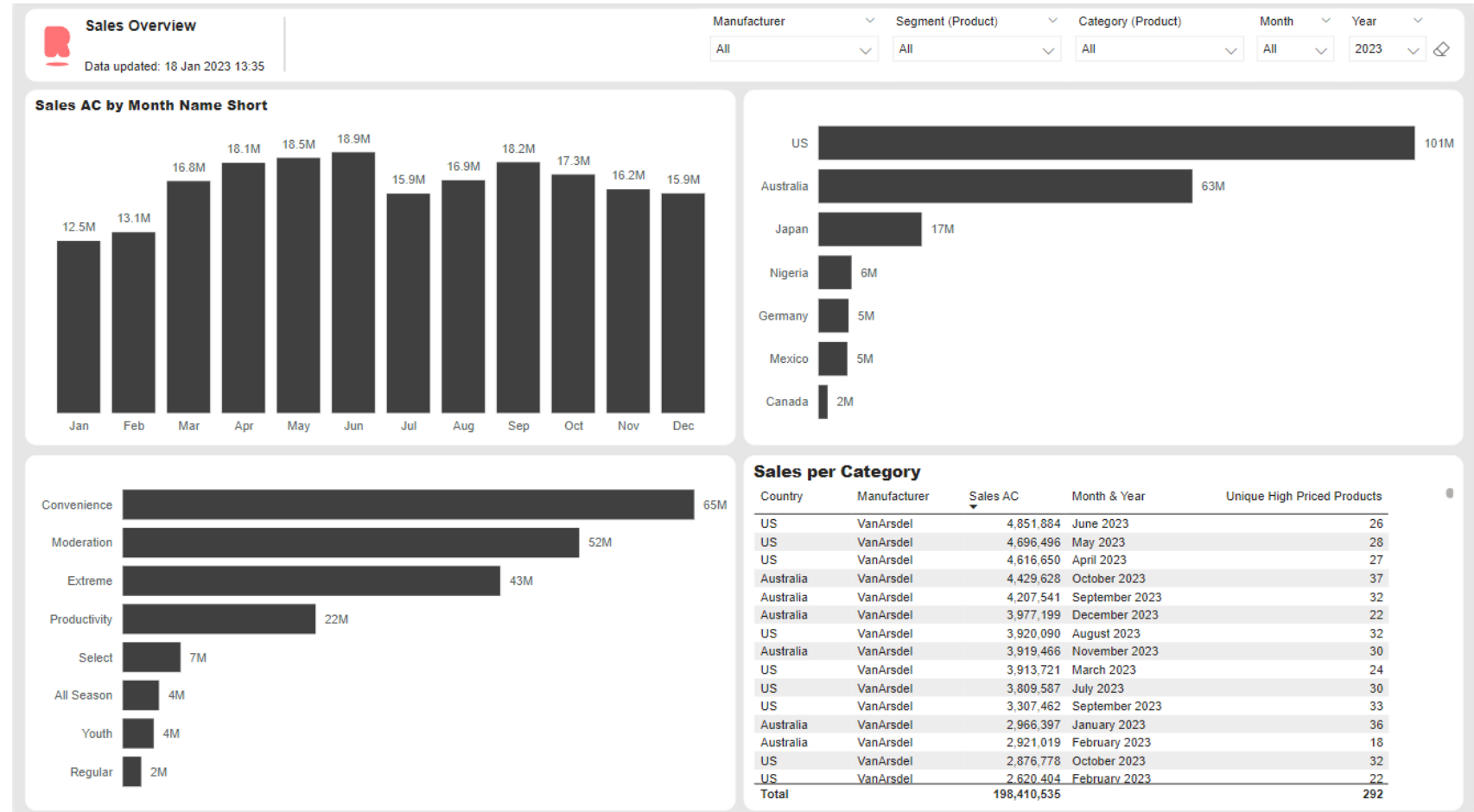
**Analyze in Excel for Power BI Desktop**

# The problem

The leadership board requested a **1-day built-in quick report** to give an overall idea about performance of their **multi country stores**.

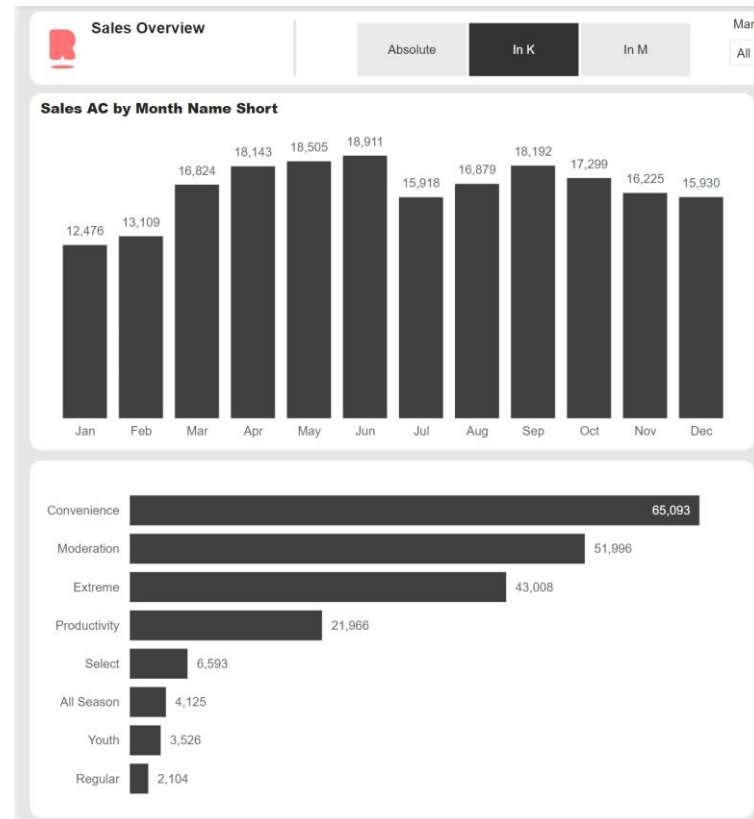
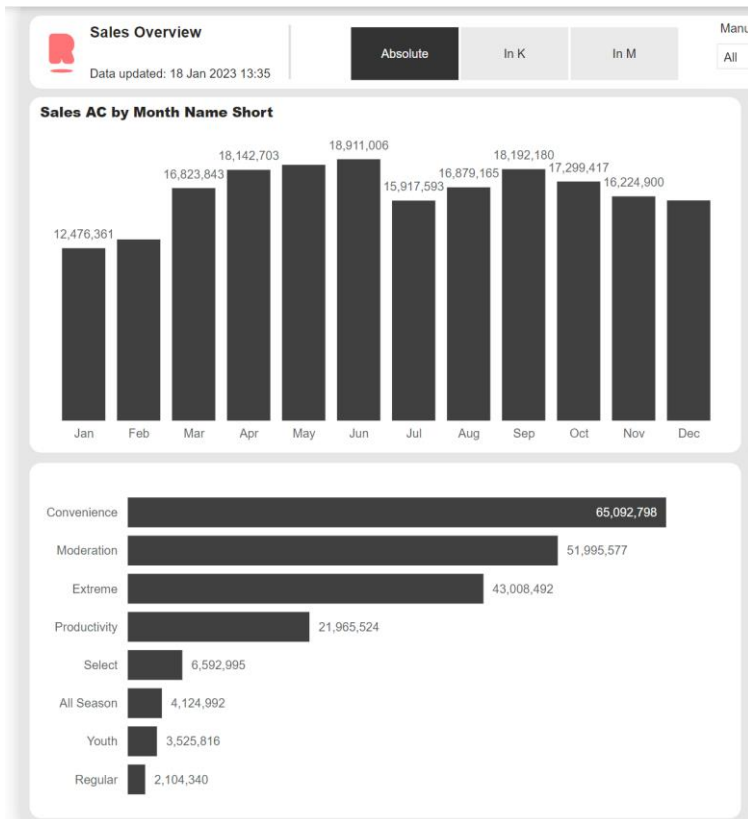
We need to effectively:

1. Create a simple way of seeing **the metrics in Millions, Thousands or Absolute.**
2. Guarantee the **Model is not memory expensive.**
3. Measures are **readable and understandable** for the internal developer.
4. Values are **100 % validated.** There is no time for Client testing.



# Solution & key features

- Conversion Unit in Millions, Thousands or Absolute.



Key features of **Tabular Editor**:



Tabular Editor

- Calculation group
- Table Partitions
- Copy measures
- Insert RLS roles
- Formatting
- Best Practice Analyzer



# Solution & key features

## Problem 2. Model is not memory expensive.

To optimize performance, we used **Bravo** to analyze our model.

- Zip and Date are fields from Sales table with **more size consumption**.

## Problem 3. Measures are readable and understandable for the internal developer.

Key features of **Bravo**:



- **Analyze Model:** Find the more expensive columns and tables
- **Format DAX:** Format your DAX measures
- **Manage Dates:** Create a Date table that you can connect to multiple tables and applies time intelligence functions to your measures.
- **Export Data:** Export data from Power BI to Excel and CSV files.

The image shows two screenshots of the Bravo for Power BI application. The left screenshot displays the 'Analyze Model' view for 'Sales Report - Company A'. It shows a table of columns and their sizes, with 'Zip' and 'Date' highlighted as the largest. A treemap visualizes the data size distribution, with 'Zip' being the largest component. The right screenshot shows the 'Format DAX' view, displaying a list of measures and a preview of the DAX code for 'Last3Months\_AC'.

COLUMN	TABLE	CARDINALITY	SIZE	WEIG...
Zip	Sales	31.17 K	6.50 MB	48%
Date	Sales	2.68 K	4.51 MB	33%
Smaller columns...		17.59 K	885.37 KB	6%
1.2 Revenue	Sales	5.31 K	792.11 KB	6%
ProductID	Sales	1.21 K	647.55 KB	5%
Date	DateTable	3.65 K	201.90 KB	1%
		61.61 K	13.48 MB	100%

```
1 CALCULATE (  
2   Sales[Sales AC],  
3   DateTable[Year Offset] = -1,  
4   DateTable[Month Offset] >= -5  
5 )
```



# Solution & key features

## Problem 4. Values are 100 % validated.

The screenshot displays the Excel for Power BI Desktop interface. On the left, a data table lists months from December 2026 to October 2023 with columns for MonthYear, Month Offset, and Year Offset. A large white box highlights the value 49,454,021.67 for the Last3Months\_AC measure. The main area shows a PivotTable with Row Labels as Sales AC and a single column for the total of 49,454,021.67. The PivotTable task pane on the right shows the data source and field placement.

MonthYear	Month Offset	Year Offset
December 2026	33	2
November 2026	32	2
October 2026	31	2
September 2026	30	2
August 2026	29	2
July 2026	28	2
June 2026	27	2
May 2026	26	2
April 2026	25	2
March 2026	24	2
February 2026	23	2
January 2026	22	2
December 2025	21	1
November 2025	20	1
October 2025	19	1
September 2025	18	1
August 2025	17	1
July 2025	16	1
June 2025	15	1
May 2025	14	1
April 2025	13	1
March 2025	12	1
February 2025	11	1
January 2025	10	1
December 2024	9	0
November 2024	8	0
October 2024	7	0
September 2024	6	0
August 2024	5	0
July 2024	4	0
June 2024	3	0
May 2024	2	0
April 2024	1	0
March 2024	0	0
February 2024	-1	0
January 2024	-2	0
December 2023	-3	-1
November 2023	-4	-1
October 2023	-5	-1

Year	Sales AC
2023	49,454,021.67

Key features :

- Easily create a new **Excel PivotTable** connected to the data hosted in Power BI Desktop.
- **Validation of Results During developments**



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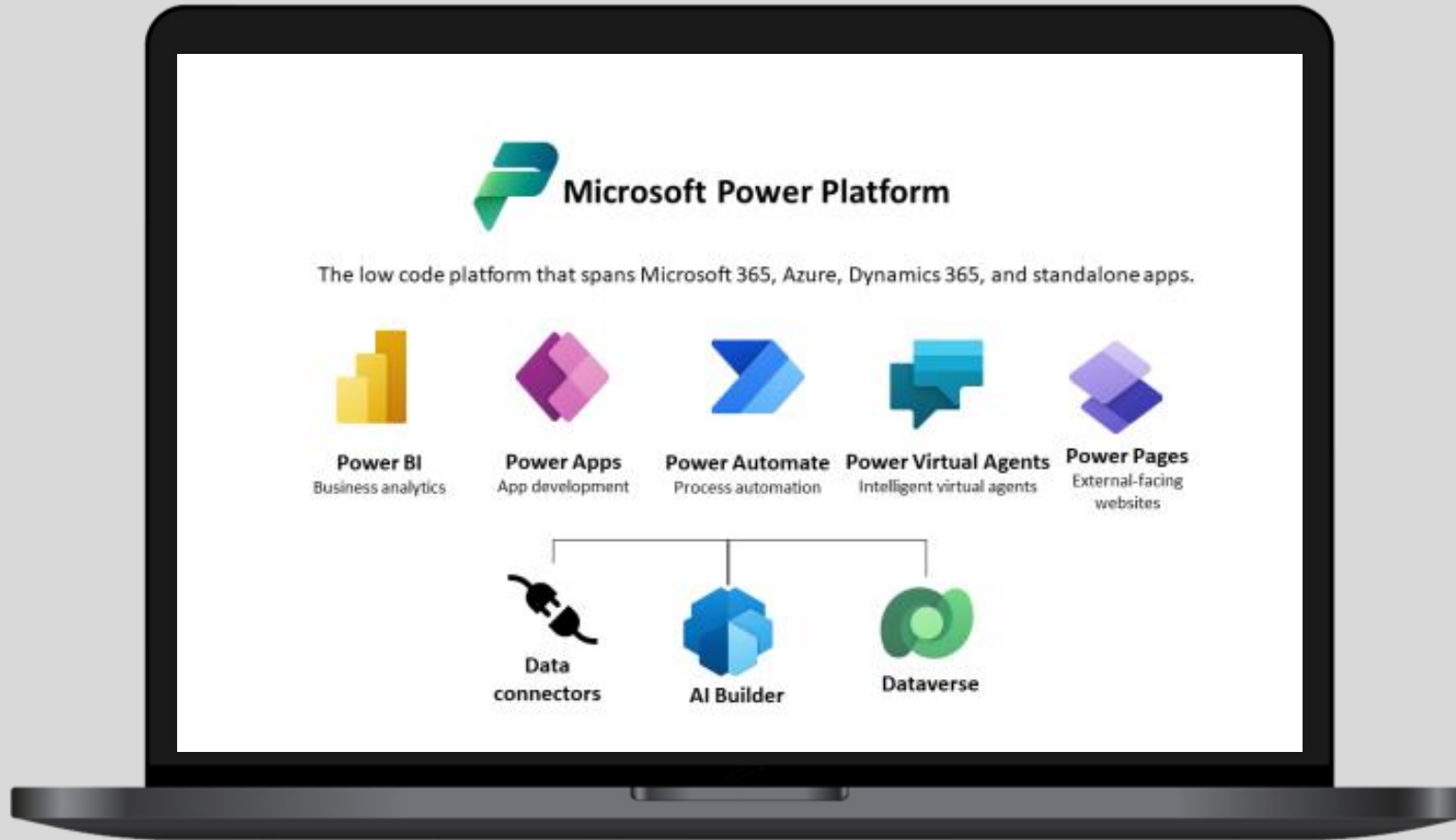
## USE CASE

**Use of External Tools** allows us at our clients :

- **Saving Time**
  - **Show quick results**
- **Developments more structured**



# Tabular Editor - demo



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Want to know more?



A promotional banner for a workshop. On the left, a man with glasses and a grey sweater stands with his arms crossed in a white circular frame. The background is red with decorative elements like a white 'X', a grey circle, a white circle, and a blue gear. To the right, the text 'WORKSHOP' is followed by a horizontal line and 'Power BI Advanced'. Below this, a white box contains the date and time 'June 12, 2024 | 14:00 - 17:00', and a dark blue box contains 'By Stijn Zagers'. At the bottom right is the 'rockfeather' logo, which consists of a white stylized 'R' icon and the text 'rockfeather'.

**WORKSHOP**

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Power BI Advanced

June 12, 2024 | 14:00 - 17:00

By Stijn Zagers

 rockfeather



## Contact details

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