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All about Calculation Groups

Michiel Rozema & Madzy Stikkelorum

About: Madzy Stikkelorum

Mathematician
Data Analytics Consultant at Quanto
Former manager of the internal Finance BI Team of KPMG Netherlands
Former Board Member of Dutch Power BI User Group
Organizer of the Power BI Summer School

madzy.stikkelorum@quanto.eu
www.linkedin.com/in/MadzyGroenveld
www.quanto.eu
www.powerbisummerschool.eu

About: Michiel Rozema

Mathematician, 30 years of experience in IT
8 years Data Insight Lead at Microsoft, NL
Power BI expert, consultant, trainer, author

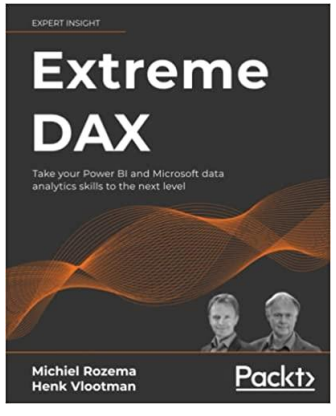
Founder & CEO of Quanto, *Collective Analytics*
Founder of Dutch Power BI User Group
Organizer of the Power BI Summer School

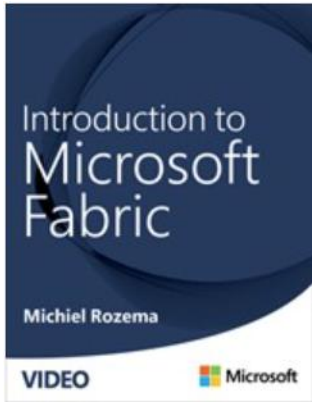
michiel.rozema@quanto.eu

www.linkedin.com/in/MichielRozema

www.quanto.eu

www.powerbisummerschool.eu





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Outline

- Understand Calculation Groups
- Conditional Calculation Items
- Drill-Through Interaction

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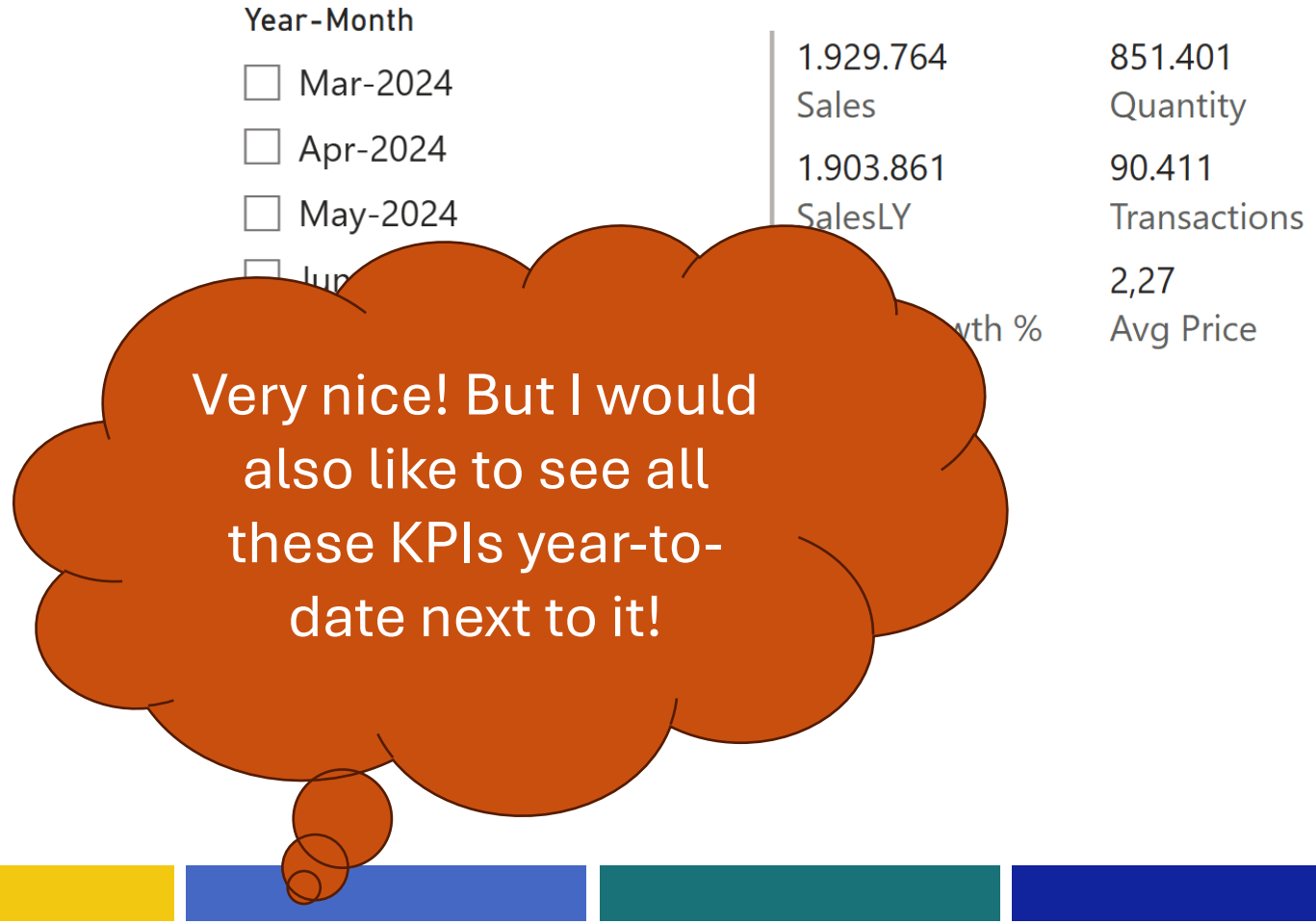
Understand Calculation Groups

The case for calculation groups

Often, the same DAX code is reused multiple times

Calculation groups enables reuse of DAX code

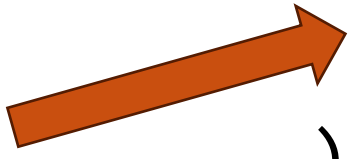
- Groups of calculation items



About calculation items

- Each calculation item is a DAX formula.
- Each calculation item corresponds to a row in the calculation group table.
  - Filtering the table selects the calculation item to apply
  - When this happens, measures are wrapped in the item's DAX formula through the SELECTEDMEASURE function.

```
Year-to-date =
CALCULATE(
    SELECTEDMEASURE(),
    DATESYTD('Calendar'[Date])
)
```



```
CALCULATE(
    [Sales]
    DATESYTD('Calendar'[Date])
)
```

Using multiple calculation groups

- It is possible to have multiple active calculation groups.
- In this case, the order in which the calculations are done is relevant.
- Therefore, the *precedence* of a calculation group can be set.

Dynamic formatting

- By default, the calculation item uses the formatting of the selected measure.
- This can be changed by selecting a dynamic format string.
- Each calculation item can have its own format
  - Note that this is a DAX expression!
  - A format string can be based on the selected measure's format using the SELECTEDMEASUREFORMATSTRING function.

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Conditional Calculation Items

A calculation item is a filter

- It acts on *every* measure in scope – no exceptions.
- It is included in interactions as well, like cross-visual interaction.
- So, we need a way to *exclude* measures.

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Drill-Through Interaction

Drill-Through Interaction

- Suppose you have an overview page where the user can choose between different views: per month, year-to-date, etc.
- And a drill-through page to look at the specifics, but here you want to see all the details
- So, a drill-through page with *Keepallfilters-except-the-Calculation-Item-filter*
- How to solve this?

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A big thank you to our amazing partners

Thanks

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Session Feedback

Event Feedback