Let End Users Drive:

Empowering User Control in Power BI Reports

Cristian Angyal, MVP

sqlbits ***2024***

About Me

Cristian Angyal

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- **Project Manager** (PMP, PMI-ACP)
- **Microsoft Certified Professional**
  (MCT, MOS Master, MCSA, MCSE, DA-100/PL-300)
- **Romania Power BI and Modern UG Founder**
  https://www.meetup.com/romaniapug
- **Microsoft MVP M365** (Excel)

Flight Plan

- Flexibility
- PBI Dev Tools & Techniques
- End Users Requests
- Demo

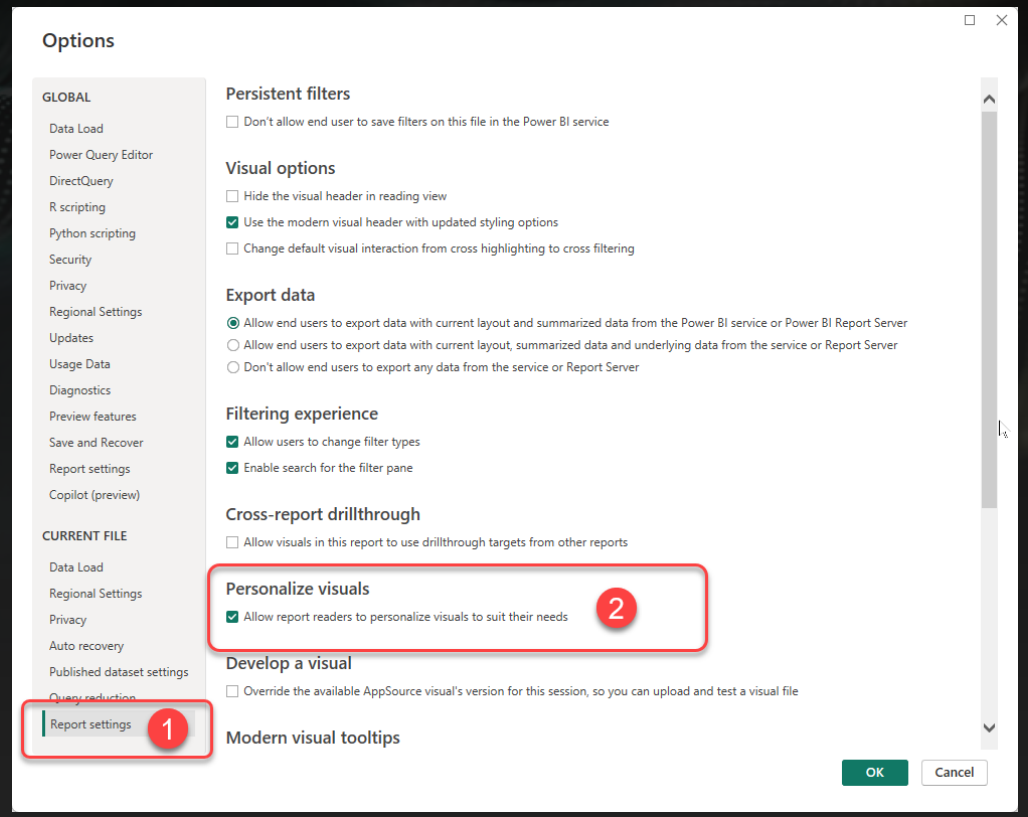
Flexibility … by @MSFT

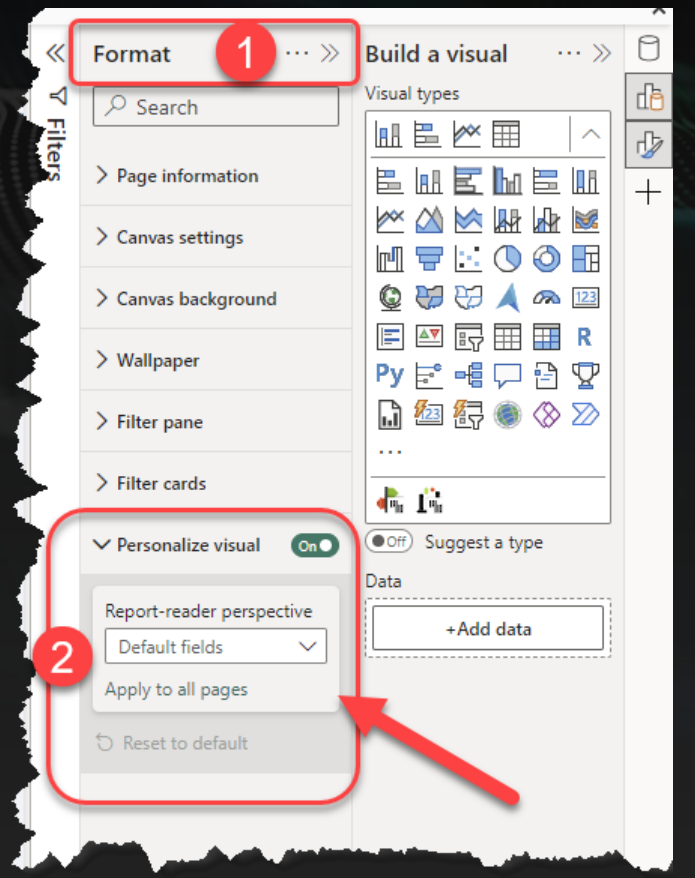
What report users can ***customize***

What developers can do to ***allow*** Personalize Visuals

Flexibility … by @MSFT

PBI DEVs options to *allow/restrict* Personalize Visuals





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Flexibility … by Request

PBI Dev Tools

- Field Parameters
- Disconnected Tables
- Calculation Groups
- External Sources
- What IF Parameters
- Creative DAX

Flexibility … by Request

End Users Requirements

- Show / Hide columns dynamically
- Dynamic format strings
- Control Top N displayed
- Conditional formatting control
- Switch Visuals
- Dynamic X / Y Axis
- Dark Theme ☺
- **Export to EXCEL**

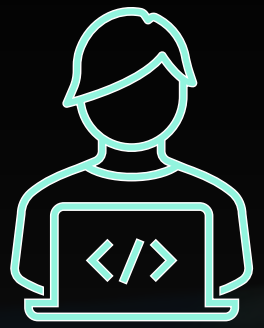
Demo

Demo scenario

- BU Manager Export Daily Data
- Snapshots of daily data
- Basic PBI Report with 4 Dimensions
- Additional requests for flexibility

Our Flight Route

- Flexibility
- End User Requests
- PBI Dev Tools
  - Drill Through Pages
  - External Sources
  - Cond Format with DAX
  - Numeric Parameters
  - Fields Parameters
  - Info Pages



Two types of PBI Devs

Those who think “I Know better”

Those who **Listen** & **Empower**

My Best Practice

… learned from the Community and experience

- Get good Business Requirements
- PROs & CONs for each request
- INFO Page for each Report
- Include Docs and Guidance
- Allow ***Flexibility*** but think about ***Performance***

Resources

- https://learn.microsoft.com/en-us/power-bi/create-reports/power-bi-field-parameters
- https://learn.microsoft.com/en-us/power-bi/transform-model/desktop-relationships-understand#disconnected-tables
- https://powerbi.microsoft.com/en-nz/blog/deep-dive-into-the-model-explorer-with-calculation-group-authoring-and-creating-relationships-in-the-properties-pane/
- https://learn.microsoft.com/en-us/power-bi/transform-model/calculation-groups
- https://learn.microsoft.com/en-us/power-bi/transform-model/desktop-what-if
- https://github.com/cristiangyal/SQLBits2024

Thank You!

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Feedback Form:

https://sqlb.it/?12631

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