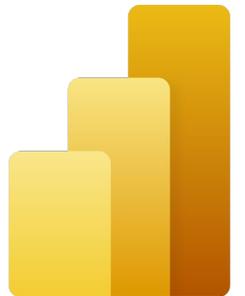


Power BI Community/Meetup Showcase: PBI Explorer

Budapest Power BI UG - 7 Nov 2023



Many thanks to Mathias Thierbach, MVP for the amazing demo!





Inspect report



Elements Explorer

PBI Explorer by Tabular Tools (BETA)

AdventureWorks Sales.pbix 2023-11-07 12:28:42 5.37

Pages	Visuals	Fields	Filters
13	1.5	1.7	12

Pages	Visuals	Fields	Filters
Top 3 pages by visual count: 1. Page 1 (6) 2. Page 1 (5) 3. Page 12 (5)	Top 3 visuals by type: 1. Stacked Bar Chart (10) 2. Area Chart (2) 3. Matrix (2)	Top 3 fields used: 1. 'Product'[Subcategory] (6) 2. Date.Fiscal.Month (2) 3. [Sales Amount] by Due Dab (2)	Filter types: Report-level filters: 0 Page-level filters: 0 Visual-level filters: 12

Issues	Themes	Misc
32	2	

Object	Type
Report	Report
Page 1	Page
Sales Amount by Order Date / Due Date	Area Chart
Order NEW Quantity by Reseller Country	Map
Sales Amount by Category and Reselle...	Matrix
75c624f501f3c20eb760	Slicer
e62f8d740cd4f569300d	Basic Shape
ddd669d1ed997bf82754	Textbox
Page 2	Page
Sales Amount by Category and Reselle...	Matrix
Page 3	Page
ec25b2f7759b3fd44c1d	Area Chart
Page 4	Page
Page 5	Page
Page 6	Page
Page 7	Page
Page 8	Page
Page 9	Page
Page 10	Page
Page 11	Page
Page 12	Page
Page 13	Page

Inspecting AdventureWorks Sales.pbix

Statistics on report

The screenshot displays the PBI Explorer interface for a report titled "Executive Summary - Sales Report". The main content area shows a line chart titled "Sales Amount by Order Date / Due Date" with two data series: "Sales Amount" (blue line) and "Sales Amount by Due Date" (red line). Below the chart is a table with columns for "Category" and "Sales Amount", listing items like "Specialty Bike Shop", "Value Added Reseller", and "Warehouse" under categories "Bikes", "Components", "Clothing", and "Accessories".

On the right side, the "Data Model Explorer" pane is open, showing a tree view of report objects. The selected object is "Sales Amount by Order Date / Due Date", which is an "Area Chart". Other objects include "Order NEW Quantity by Reseller Country" (Map), "Sales Amount by Category and Reselle..." (Matrix), and several other visual elements like "Basic Shape" and "Textbox".

At the bottom of the interface, a blue callout box contains the text: "Have a view on all elements on the page".



Inspect report

/fs (BETA)

filter Show interaction

See where an element is used in the report

Report Explorer Data Model Explorer

Track usage

Name	Type
Data Model	Data Model
Sales	Table
Sales Amount by Due Date	Measure

Month	Hierarchy Level
Year	Hierarchy Level
Reseller	Table
Country-Region	Column
Business Type	Column
Product	Table
Category	Column
Subcategory	Column

Customer	Table
Customer	Column
City	Column
Country-Region	Column
Postal Code	Column
State-Province	Column

Page 1 Page 2 Page 3 Page 4 Page 5 Page 6 Page 7 Page 8 Page 9 Page 10 Page 11 Page 12 Page 13

Properties JSON Usage

Reseller [Business Type] usage:

Report Element	Type	Page	Usage
Sales Amount by Category and Reseller Business Type	Matrix	Page 1	Field
Sales Amount by Category and Reseller Business Type	Matrix	Page 2	Field

AdventureWorks Sales.pbix AdventureWorks Sales v2.pbix

Compare report

Compare 2 reports to see changes between them

Refine comparison: Show everything modified (except minor changes)

Object / Property	Value
Pages	
Page 11	
Visuals	
d069c3ab68236fcbcb2	
Visual properties	
DataPoint	
PublicCustomVisuals	
SunburstVizA96234ADB8D143D1837FEC426BB347B1	SunburstVizA96234ADB8D143D1837FEC426BB347B1
htmlViewerA9520C4C697347CDB4EA10E418B1A6E7	htmlViewerA9520C4C697347CDB4EA10E418B1A6E7
SchemaVersion	5.37

Object / Property	Value
Pages	
Page 11	
Visuals	
d069c3ab68236fcbcb2	
Visual properties	
CategoryAxis	
DataPoint	
PublicCustomVisuals	
SchemaVersion	5.42

New feature: Report analyzer



Check if best practices have been followed based on a list of rules

PBI Explorer by Tabular Tools (BETA)

Object	Type	Sev.
> [Accessibility] Ensure alternativeText has been defined for all visuals (20 objects)		Warning
✓ [Housekeeping] Remove custom visuals which are not used in the report. (2 objects)		Info
htmlViewerA9520C4C697347CDB4EA10E418B1A6E7	EmbeddedC...	
SunburstVizA96234ADB8D145D1837FEC426BB34781	EmbeddedC...	
> [Performance] Avoid setting 'Show items with no data' on columns (1 object)		Warning
> [Performance] Reduce usage of Advanced filtering visuals by page (1 object)		Warning
> [Performance] Reduce usage of TopN filtering visuals by page (1 object)		Warning
✓ [UX] Ensure charts use theme colours (4 objects)		Error
d069c3ab68236fcbcb2 (Page 11)	Stacked Bar...	
ddc669d1ed997bf82754 (Page 1)		
Sales Amount by Category and Reseller Business type (Page 1)		
Sales Amount by Category and Reseller Business Type (Page 2)		
> [UX] Ensure pages do not scroll vertically (1 object)		
> [UX] Reduce number of pages per report (1 object)		
> [UX] Tooltip and Drillthrough pages should be hidden (1 object)		

Check that charts (excluding toolbar) avoid custom colours and use theme colours instead. (severity: Error)

```
BPARules.json HA:\Beta-4 (0.5.1) BPARules.json .\ X
BPARules.json > {} 0 > ID
1
2
3
4 {
5   "ID": "MUST_HAVE_PRODUCT_CATEGORY_SLICER",
6   "Name": "[CompanyPolicy] All pages must have a product category slicer",
7   "Category": "CompanyPolicy",
8   "Description": "Warns you if any page doesn't contain a product category slicer",
9   "Severity": "Warning",
10  "Scope": "Page",
11  "Expression": "!Visuals.Any(VisualType == \"slicer\" and DataBindings[\"Values\"].Any(ModelElement.ReferenceName == \"Product.Category\"))"
12 },
13 {
14   "ID": "REMOVE_CUSTOM",
15   "Name": "[Housekeeping] Remove custom visuals which are not used in the report.",
16   "Category": "Housekeeping",
17   "Description": "Warns you to remove custom visuals from the report, if they are not used on any of the pages.",
18   "Severity": "Info",
19   "Scope": "EmbeddedCustomVisual",
20   "Expression": "!Report.AllVisuals.Select(v => v.VisualType).Contains(it.Name)"
21 },
```

Define custom rules