Nikola Ilic









Data-mozart.com



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@DataMozart



Make Music From Your Data!

- ❖ Data Mozart
- ❖ BI Developer @ ITSP Services
- ❖ Live in Salzburg, Austria









NIKOLA ILIC

- Data fanatic
- Multi-year experience with MS
 Data Platform
- Power BI, SQL Server, SSAS, SSIS, SSRS
- Father of 2 and true football (and Barca) fan!









Wolfgang Strasser

CREDITS

- Organizers
- Volunteers
- □ Sponsors
- Mentor





PREREQUISITES



- ✓ Level 100 Session
- ✓ Basic knowledge of Power BI would help
- ✓ You don't need to know any DAX!







P₀LL





- 1. What is Power BI?
- 2. Heard some (cool) people talk about it, but never used it
- 3. Created few reports just to see those fancy charts
- 4. I can't start my day without coffee and Power BI
- 5. Super-Duper Power BI user







AGENDA



- 1. Dynamic Filtering
- 2. Display Totals in Stacked Column Visual
- 3. Tooltip Pages + Animated Tooltips
- 4. Turn plain Matrix to a "custom" visual
- 5. Build an unforgettable Slicer pane with Bookmarks
- 6. Drillthrough like a PRO using buttons
- 7. Push Card visuals to a new level with Bookmarks





#1. DYNAMIC FILTERING







- Users choose what they want to see
- □ Solution with buttons and bookmarks?
- What if we need multiple options to select from?

Year	Month	Sales Amt	Sales Amt YTD	^
2009	January	\$57,453,262.7812	\$57,453,262.7812	П
2009	February	\$59,891,424.7116	\$117,344,687.4928	
2009	March	\$60,807,494.095	\$178,152,181.5878	
2009	April	\$69,888,328,7379	\$248,040,510.3257	
2009	May	\$82,082,708.7124	\$330,123,219.0381	
2009	June	\$81,822,800.062	\$411,946,019.1001	
2009	July	\$82,779,485.6864	\$494,725,504.7865	
2009	August	\$77,599,793.8982	\$572,325,298.6847	
2009	September	\$74,684,747.963	\$647,010,046.6477	
2009	October	\$75,213,262,4072	\$722,223,309.0549	-17
2009	November	\$67,175,159.9519	\$789,398,469.0068	~
Total		\$857,728,031.3459	\$857,728,031.3459	





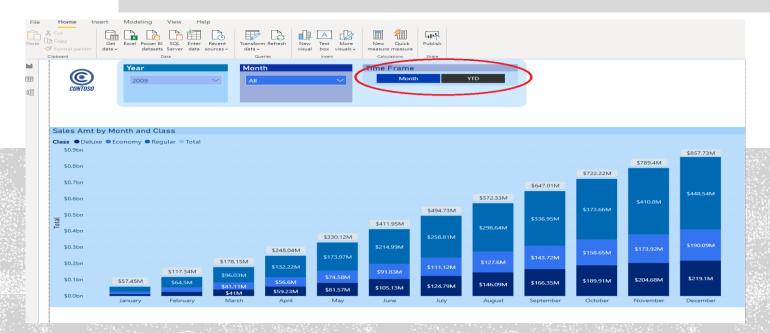
#1. DYNAMIC FILTERING



Solution



- ✓ More flexible solution using simple techniques!
- ✓ Faster development
- Easily extendable and scalable







#1. DYNAMIC FILTERING









#2. DISPLAY TOTALS IN STACKED COLUMN VISUAL



- Stacked Column visual is one of the most used visuals
- □ Lack of totals often force to apply other solutions







#2. DISPLAY TOTALS IN STACKED COLUMN VISUAL

Solution



- ✓ Solution found by an accident!
- ✓ Bug or a "feature" but it works as a charm!









#2. DISPLAY TOTALS IN STACKED COLUMN VISUAL









#3. TOOLTIP PAGES + ANIMATED TOOLTIP





- Default options are often not enough attractive?
- How can we enhance user experience when using Tooltips?







#3. TOOLTIP PAGES - ANIMATED TOOLTIP

Solution





- Tooltip pages are a powerful way of communicating information!
- ✓ Bonus Tip create a fully animated Tooltip page!
- Credits to Jason Cockington for the idea



❖ Don't get crazy with creating too many of them !!!





#3.TOOLTIP PAGES + ANIMATED TOOLTIP









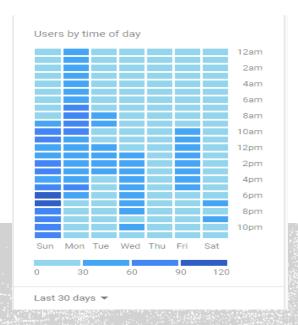
#4. TURN MATRIX TO A ,, CUSTOM" VISUAL



- Extremely large collection of visuals
- Plain old Matrix from SSRS time











#4. TURN MATRIX TO A ,, CUSTOM" VISUAL





- ✓ Use the power of conditional formatting!
- ✓ Transform Matrix to a "heatmap-like" visual
- Easy spot trends!

BrandName	January	February	March	April	May	June	July	August	September	October	November	December
Contoso												
Fabrikam												
Litware												
Adventure Works												
Proseware												
Wide World Importers												
he Phone Company												
A. Datum												
outhridge Video												
Northwind Traders												
ailspin Toys												





#4. TURN MATRIX TO A ,,CUSTOM" VISUAL









#5. BUILD SLICER PANE WITH BOOKMARKS

Bookmarks Overview



- Bookmarks are one of the favorite features in Power BI
- Many use cases
- ☐ Gives your Power BI report an app-like experience





#5. BUILD SLICER PANE WITH BOOKMARKS



- What would you do in case your users need many slicers on the page?
- Create separate page only for slicers?







#5. BUILD SLICER PANE WITH BOOKMARKS

Solution



- Powerful combination of bookmarks, buttons and actions will make you a hero!
- ✓ Brings your Power BI report to a whole new level









#5. BUILD SLICER PANE WITH BOOKWARKS









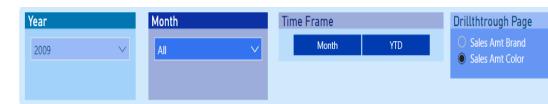
#6. DRILLTHROUGH LIKE A ,,PRO" USING BUTTONS



- Relatively new feature in Power BI
- □ Previous experience was not so intuitive
- More flexibility in creating reports











#6. DRILLTHROUGH LIKE A ,,PRO" USING BUTTONS

Solution



- ✓ Cover multiple scenarios with little DAX
- ✓ Dynamically set properties your users will love you!
- Proper formatting is super important!









#6. DRILLTHROUGH LIKE A ,,PRO" USING BUTTONS









#7. PUSH CARD VISUALS TO A NEW LEVEL WITH BOOKMARKS



- Another use-case scenario for Bookmarks
- Out-of-the-box solutions sometimes are not enough







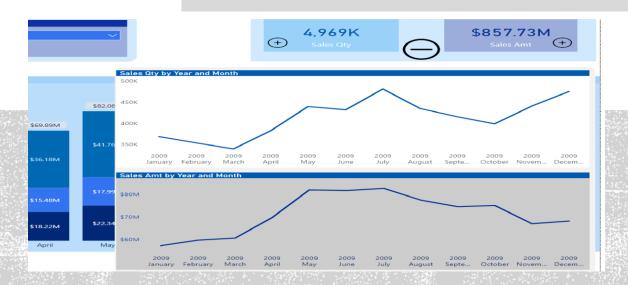


#7. PUSH CARD VISUALS TO A NEW LEVEL WITH BOOKMARKS

Solution



- By default static visuals, can become dynamic
- ✓ Biggest advantage can be used like regular visuals for crossfiltering
- ✓ Little tweakings sometimes bring great benefit!



Be careful with usage – don't create an overhead instead of functionality!





#7. PUSH CARD VISUALS TO A NEW LEVEL WITH BOOKMARKS









QUESTIONS?









THANK YOU!





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