

How to See Through Calculated Measures



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In love and hate relationship with testing

eazyBI



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eazyBl Community Days April 12, 2019

THE

"Borrow" solutions

Disassemble & examine

Demo how to break up MDX

20000

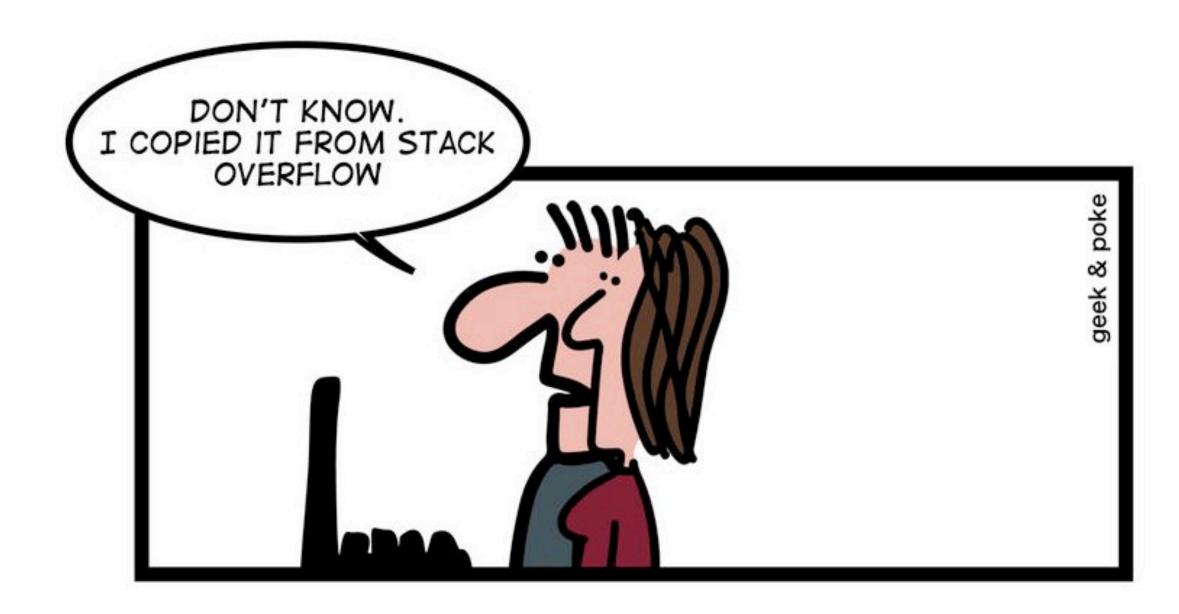


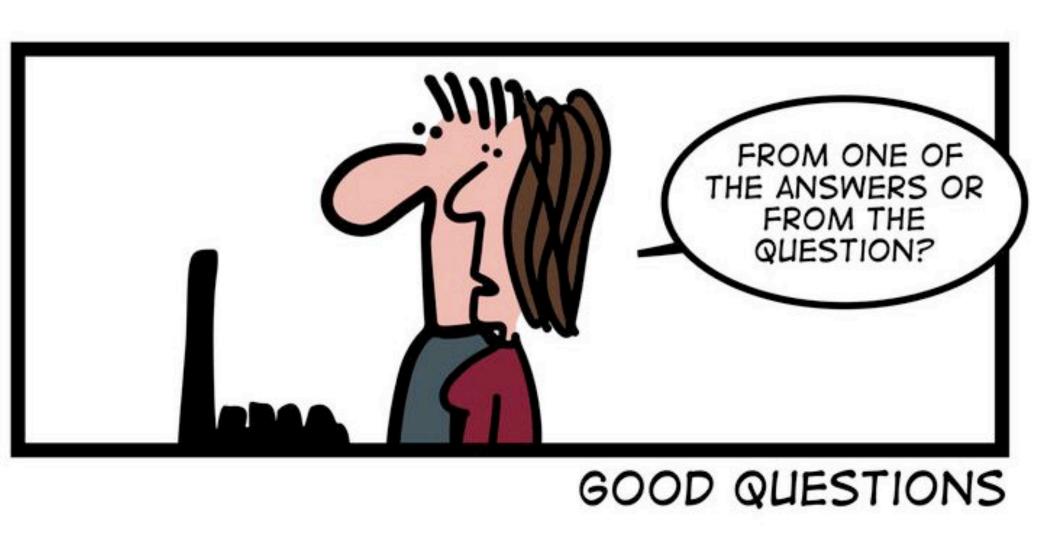
Good artists copy, great artists steal.

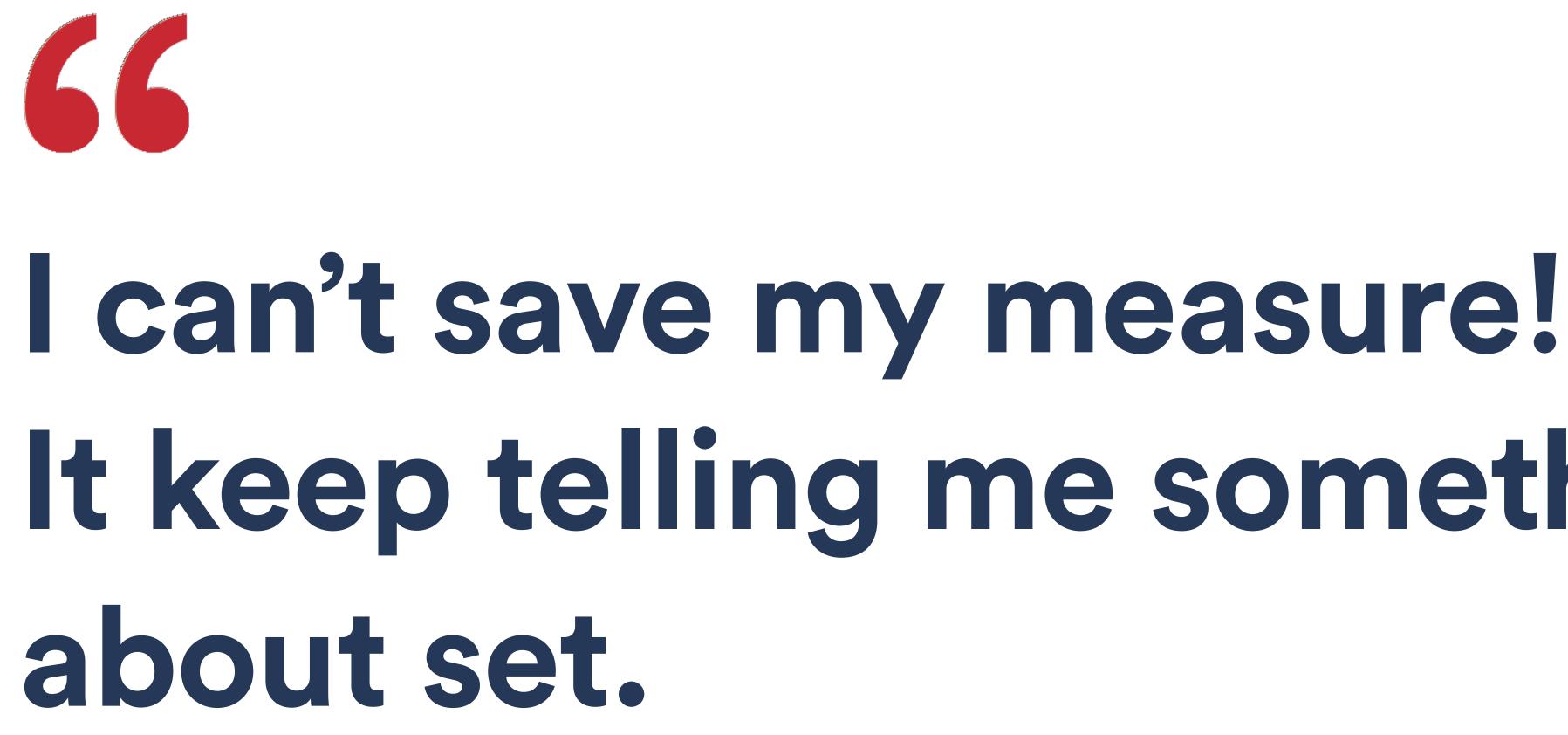
PABLO PICASSO

"Borrow" solutions from internet

docs.eazybi.com, community.eazybi.com







FRUSTRATED CUSTOMER

It keep telling me something

66 If I run numbers in excel, it

CURIOUS CUSTOMER

gives me a different average.

What to do when calculated member doesn't work as expected?



Examine MDX on your data

Disassemble

Break up formula gradually and test each part separately

Examine MDX on your data

Disassemble Break up formula gradually and test each part separately

Learn basics

Know function arguments and data types.

Examine MDX on your data

Disassemble Break up formula gradually and test each part separately

Learn basics

Know function arguments and data types.

Understand measure

Understand what each measure means and how it is related to dimensions



Disassemble calculation

Data types

Functions

Measures

Break up

Data types for function arguments

- Number
- String
- Date
- Set
- Member

17h 38m 91.6% "Guns N' Roses" May 25 2018 *{%,&,@,*,\$,!}* [Time].[Year].[2018]

Disassemble calculation

Data types

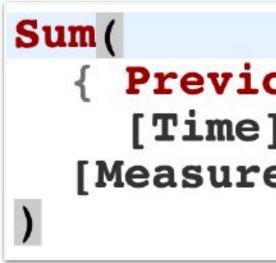
Functions

Measures

Break up

Know function syntax

- What goes IN, how many arguments
- What comes **OUT**
- Where function starts and where it ends. Brackets (), curly brackets {}, dot .



{ PreviousPeriods([Time].CurrentHierarchyMember),
 [Time].CurrentHierarchyMember },
[Measures].[Issues resolved]

Disassemble calculation

Data types

Functions

Measures

Break up

Measure meaning and relation to dimensions

- What each measure means: count of dogs or cats, count of beginnings, transitions or endings, time in days or hours, etc.
- How measu dimensions
- How measure is related to Time and other

Disassemble calculation

Data types

Functions

Measures

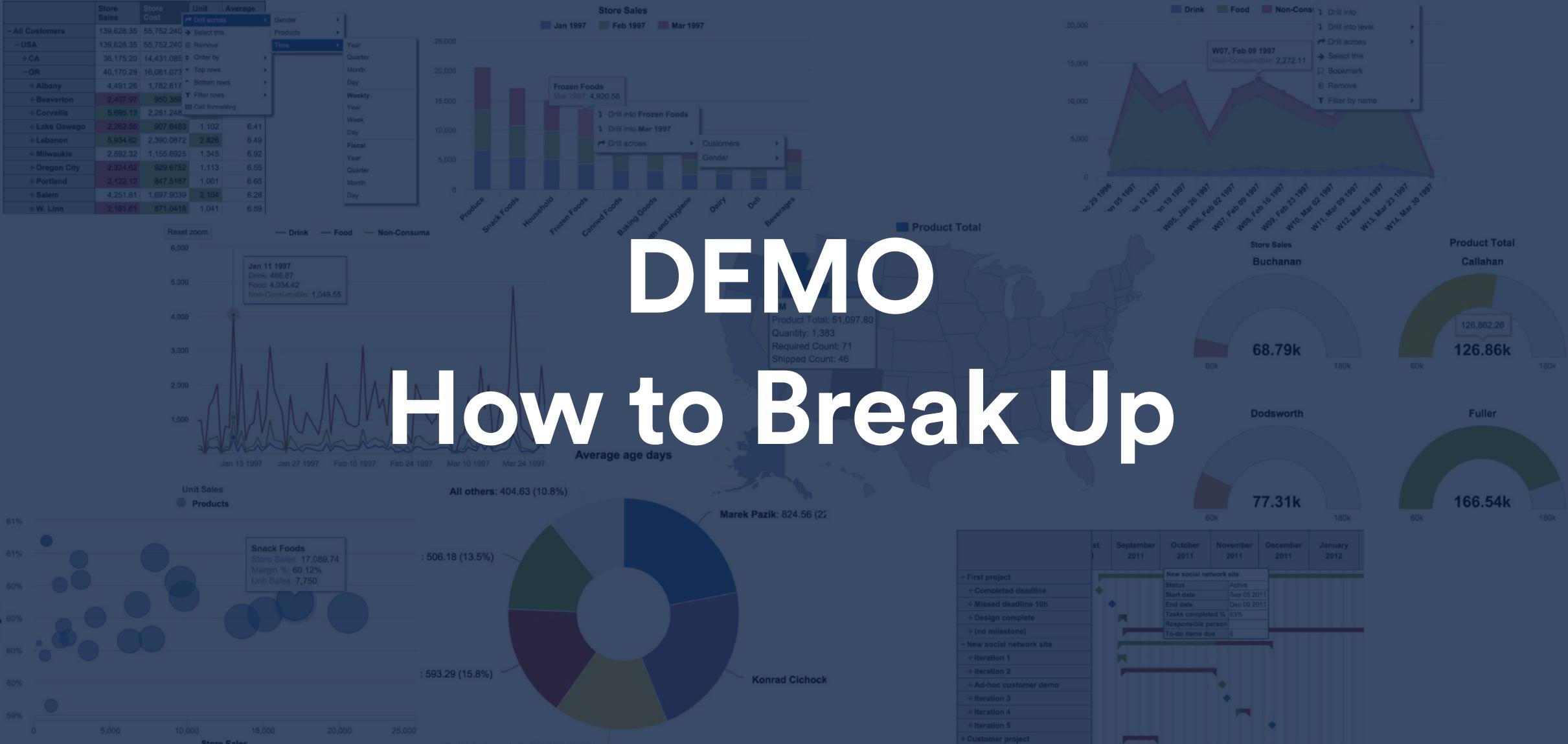
Break up

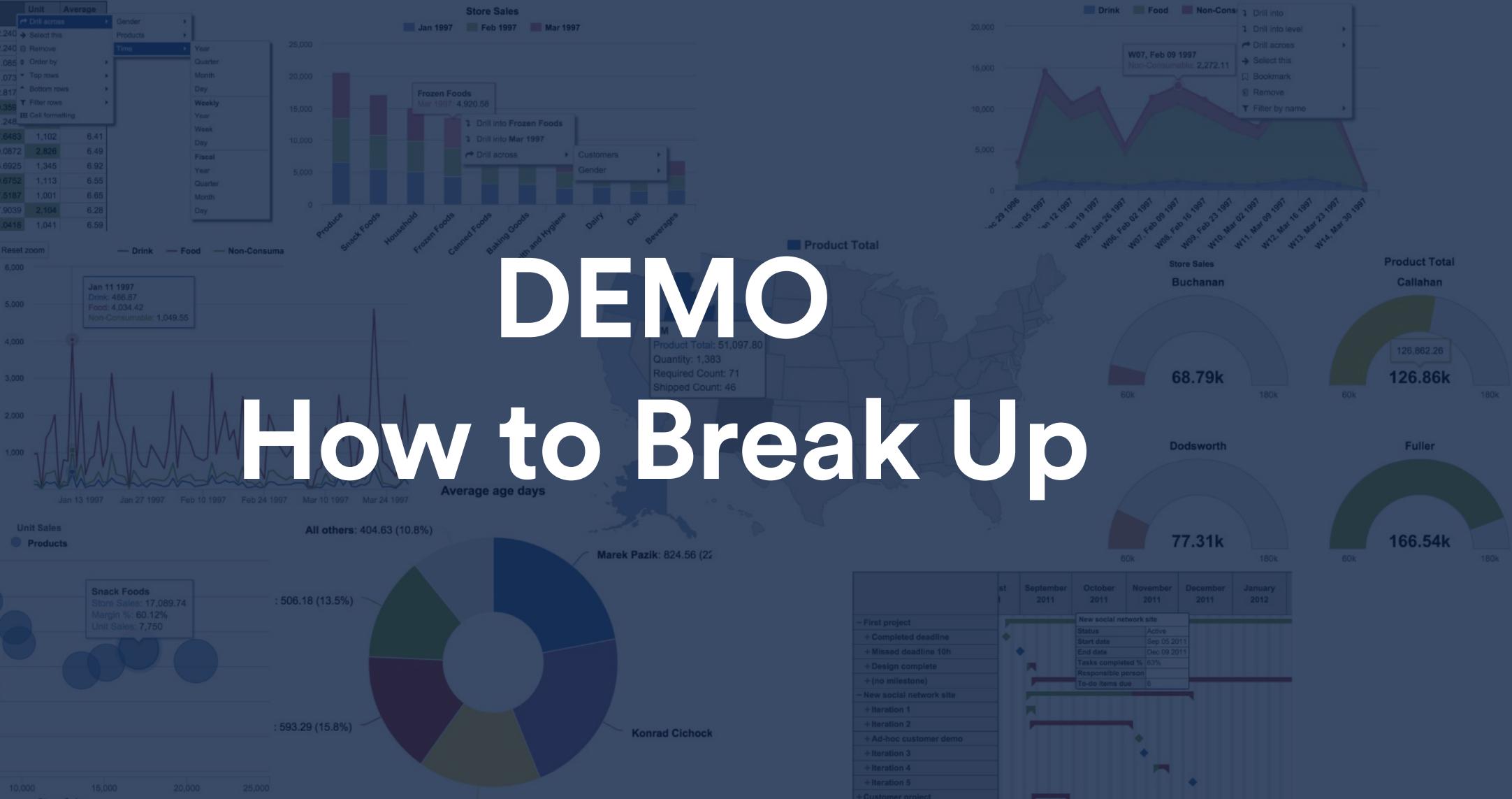
Test each part separately

- Select items for testing • Break up each formula by arguments • Use **SetToStr()** to test a set • Use AllProperties to get precise property name

X C Program overv PO-1 Accourt managament PO-4 INTRO + All Issues	Program overv PO-1 Accour managament PO-4 INTRO	Ta	ole	Bar
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PO-4 INTRO	PO-4 INTRO			
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Line	Pie S	Scatter	Timeline	Мар	Ga	ntt	Gauge	
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	Average resolution workdays	Re		Test - Total Issues resolve	ed	Test Set reso issu	of olved	
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						{}		
	158.	20	474.59		3	man over [Pro	agament], [view].[PO-2	m overview].[PO-1 Account [Issue].[Program 2 Accounts overview], [Issue] iew].[PO-3 Account









ea^zy^B Community

Rolling avg velocity for last 5 sprints Questions & Answers training



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janis.plume 🗘 eazyBI Staff
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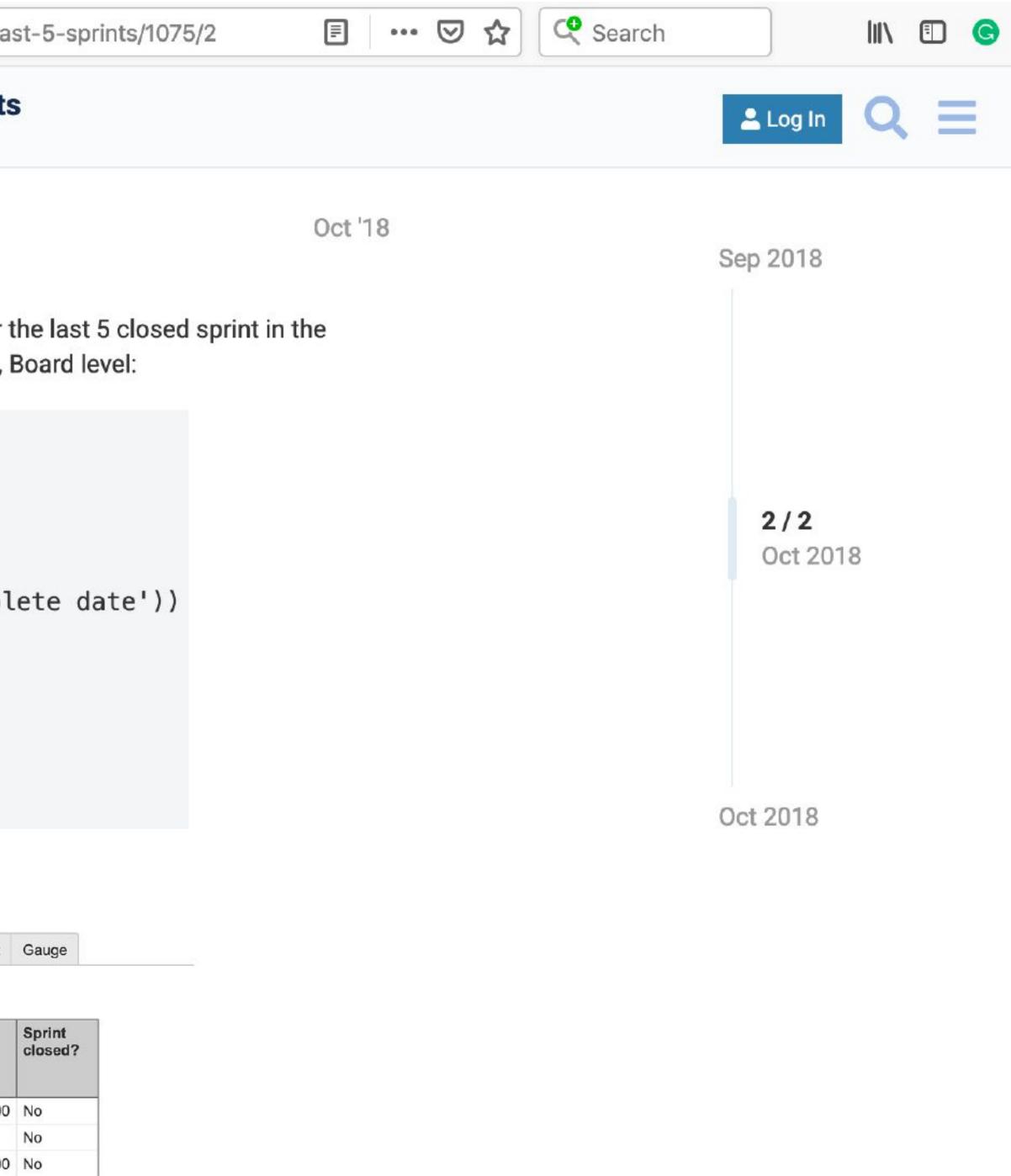
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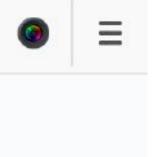
Please, find here a formula calculating the rolling average velocity for the last 5 closed sprint in the board. The calculation is designed to work with the Sprint dimension, Board level:

```
Avg(
  Head(Order(
    Filter(
      [Sprint].CurrentHierarchyMember.Children,
      [Measures].[Sprint closed?]="Yes" AND
      NOT IsEmpty([Sprint].CurrentMember.get('Complete date'))
    ),
    [Measures].[Sprint start date],
    DESC
  ),5),
  [Measures].[Sprint Story Points completed]
```

I attached a small example report to show how the measure work:

Rows	Nonempty	Ta	ble	Bar	Line	Pie	Scatter	Timeline	Мар	Gantt	Gaug
Sprint		x	X D C Ø			*	Total -	Freeze header			
							Issues created	Last 5 closed sprints in board	Spr Sto Poir con	ry	Sprin close
		-AII	Spri	nts			670	1		1,178.00	No
		+ (no b	oard)			161				No
		+ [01 bo	ard			170	22.0	0	379.00	No
		- [)2 bo	ard			167	21.4	0	396.00	No





66 Borrow??!



Examine!

BE CREATIVE!





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			A MILESOTTON		
and the second					
		estic			
	State of the second				

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