**Engineer Thulasi**

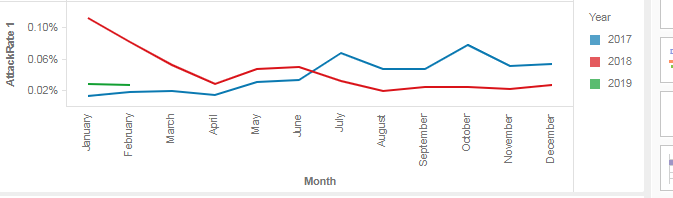
**Ranjit Muttineni**

Michael Yu

**Debug 1: Never use network ,hour , or Month or \_month as a column name, it will crash it , queryEngine encountered error,**

\_month will be auto\_convert back to month

Year over year line stack on top of each other



How : Month(Monthstart@ID)

**Debug 2: queryEngine encountered error, try to create a CUBE instead**

---------------------- How to add column avoid crash?

make change in columns, create a new cube

and replace the previous cube with the new cube

make the replacement inside the report

and once u migrated the report to the new cube, then u can delete the previous cube.

<https://youtu.be/NMV1847ODb8>

Create a dossier = dashboard

To load data faster, create a data CUBE, Hit CREATE – add external data, save the CUBE to your share location, import as Memory dataset, don’t make a LIVE connection, SAVE, then right click the CUBE, SCHEDULE it to extract 8am. then add existing data source when create dossier.

To check all the SCHEDULE, click left panel , My Subscriptions, scroll all the way down to the end, see history list subscribtioin

Use **Duplicate as Metric to convert attribute to metric**

Sometime convert metric to attribute if metric can’t be sorted

Move report – open your report – left corner save as

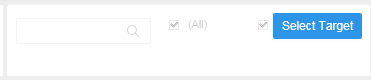
Freeze top row – right corner – More Option

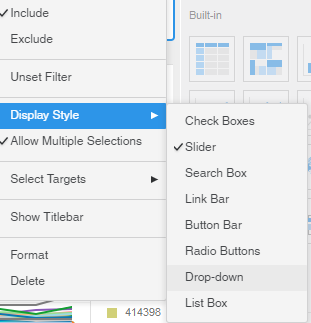
Same Chapter is using the same data source, then allow you create many pages

One filter will affect all page under the same charter, if you want filter only apply on 1 chart, click the right hand corner of each box, the 3 dots. Add new qualification.

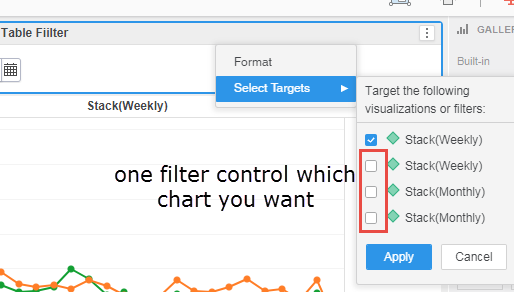
============= add entire page filter



 hit the chart. Table



Right click---select Target---click any cell----SELECT---any cell---Apply



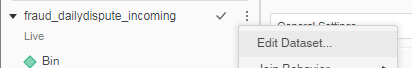
Add color to a table, click Format

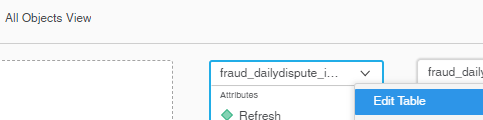
color based on cell value -- Formatting conditional values on a grid: Thresholds

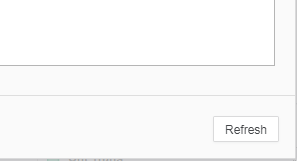
MS support dual x axis , e.g. month above year at the bottom, but very hard to use mouse to drag it to the right position

If the date u choose for filter can’t show calendar style, coz you using a aggregated date, e.g. weekly

How to refresh dataset ============================================







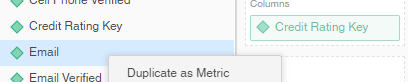
HOW To sub total?

If u need total for main column, then click the sub column’s total

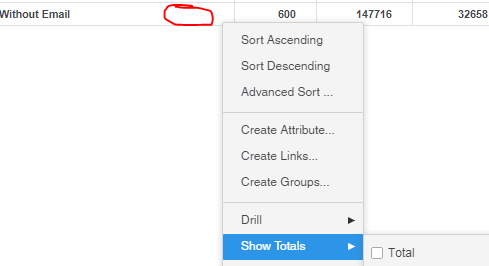
How to row totals microstrategy dossier============================

Way 1:

1.Drag creditRating to Column Box

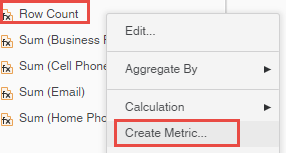
2.right click the Email, Duplicate as Metric 

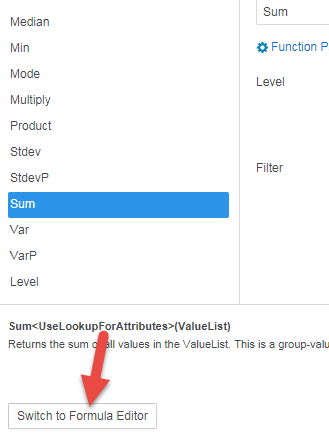
3. drag Sum(Email) to Rows Box

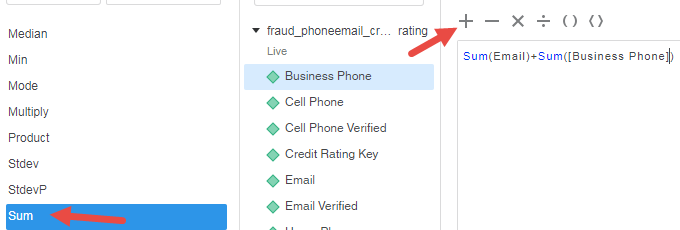
4. 

<https://www2.microstrategy.com/producthelp/current/HRAM/WebHelp/Lang_1033/Content/Adding_Subtotals.htm>

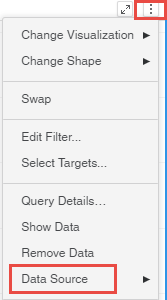
How to column totals microstrategy dossier============================







================= update data source for a chart

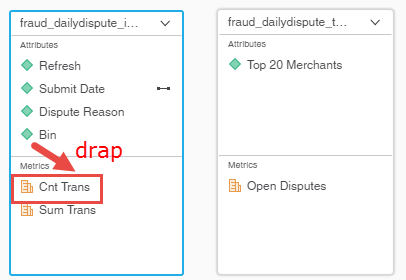


=====================how to add two axis duel axis or create two lines from two column in one chart

Drap the below chart’s line to the top chart, if you want to color it, drag the Grey **Metric Name** from **Break by** to Color

==================== how to let MS read integer as a metric?

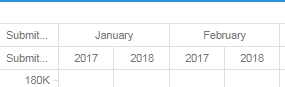
Usually a column with integer will be read as an attribute, if u want to use it as metric, have to duplicate it as metric, but it come with a SUM function for it, which is stupid , it can’t be used as a regular metric.



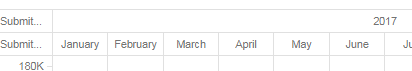
============================== remove minute remove second from date

If change the data type doesn’t work, CREATE a new attribute, formula : DATE(mydate)

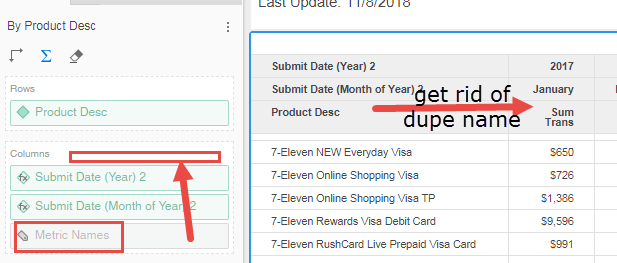
============================if you put the date on the top, only two options, can’t do it at the bottom



Or



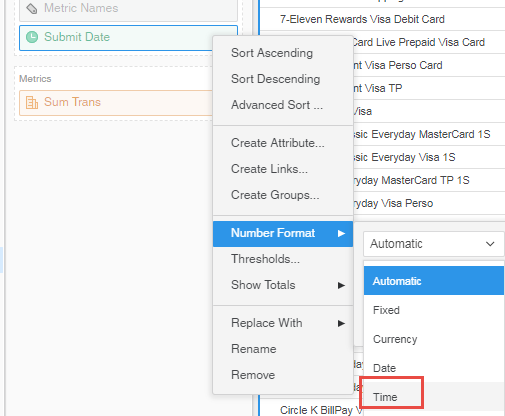
==================reduce repeated column name



================merge column

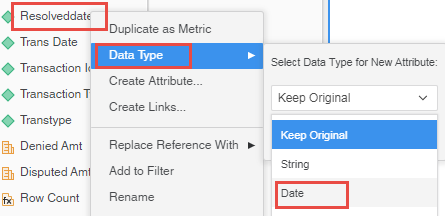
Right corner--- more option --- Merge, and Lock=freeze column

===================date to create month

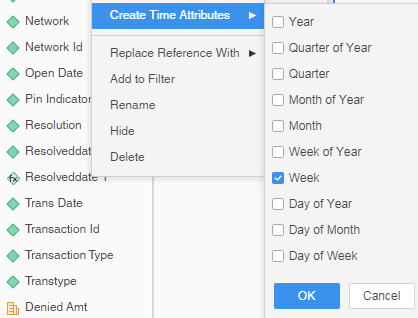


===================group by date to month and year OR group by week

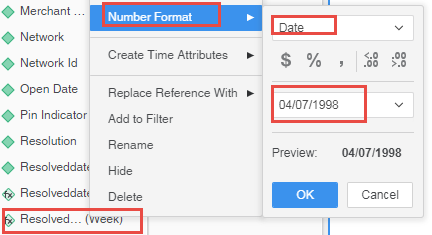
STEP 1 will create ResolveDate 1



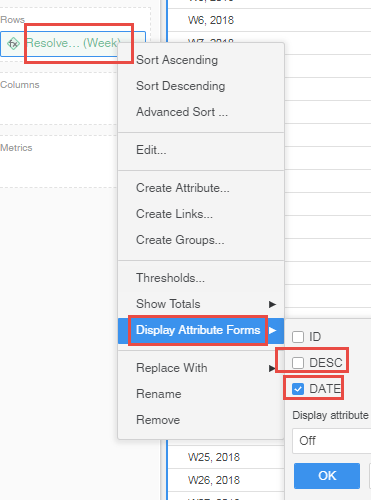
Step 2 will create ResolveDate week



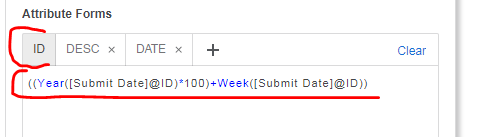
Step 3



Step 4

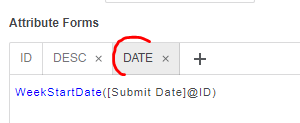


Done , it create a complex formula

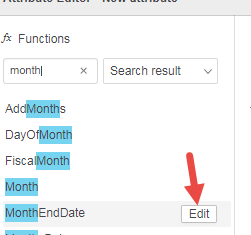




Concat("W", Week([Submit Date]@ID), ", ", Year([Submit Date]@ID))



Right click date – create attribute—select monthend Function

then select the date as object

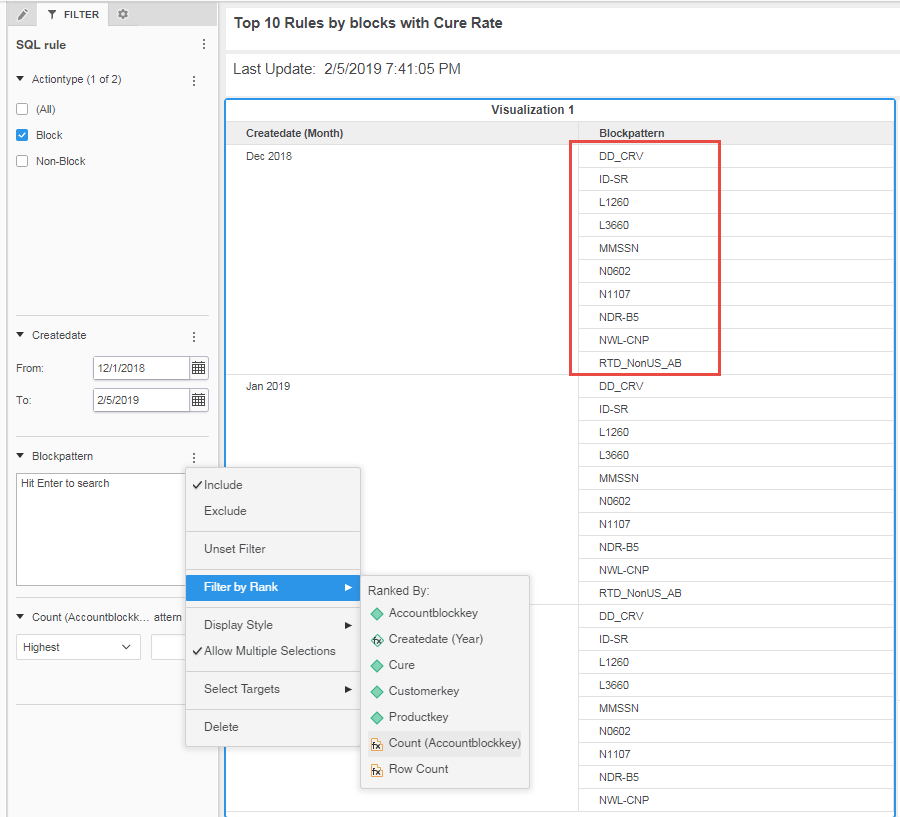
Week start WeekStartDate() if doesn’t work queryEngine encountered error try below

((Year([Closed Date]@ID)\*100)+Week([Closed Date]@ID))

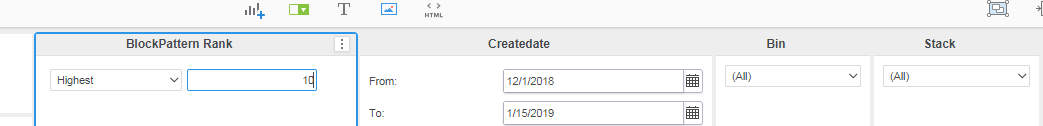
ToDateTime([Submit Date (Month) 1]@ID)

======================= be careful with the filter on the left , it control will page in a chapter, better not use it, and use each chart own filter

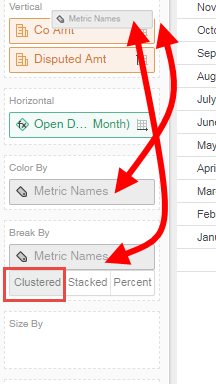
Top 10 blockpattern each month by count in 1 table, top 10 item for each month



Better to use this filter



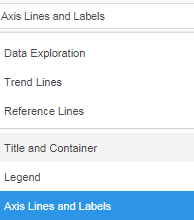
==================clustered bar chart



============= change axis position from side to top?

Right click the axis,---format

Hide





Then use chart title to show relevant information

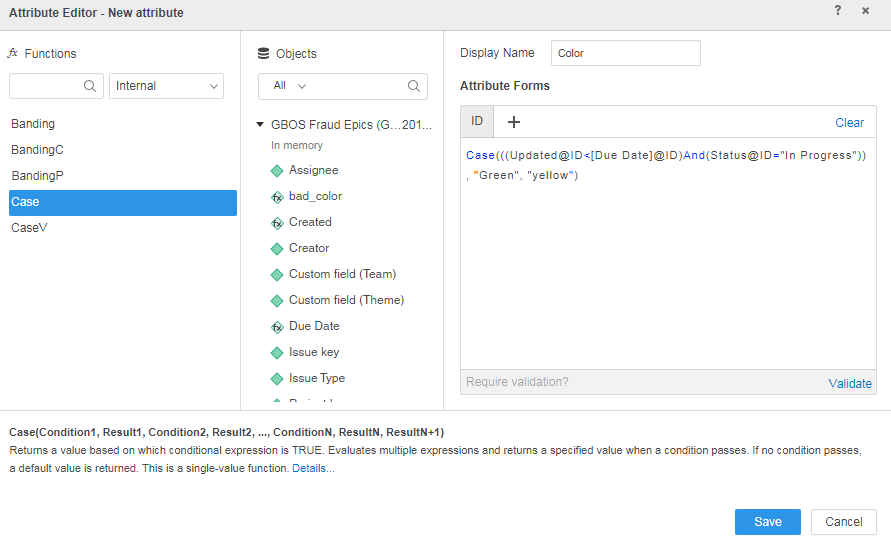
----============

Calculating metric , will based on the lower level of the attribute ,

===================Two conditions in IF statement

Way 1 : create a metric, then create threshold to separate them, may add filter during the metric creation process

Way 2 : You can’t put metric and attribute in the IF …AND logic, can only put two attributes



You can put a case inside case, you can <https://www2.microstrategy.com/producthelp/10.9/FunctionsRef/Content/FuncRef/Case_functions.htm>

This example generates a report where if the revenue, represented by the Total Revenue metric, is less than 300,000, the function returns a 0; if the revenue is less than 600,000, the function returns a 1; if revenue is any other value, the function returns a 2. The case metric is defined as follows:

Case(([Total Revenue] < 300000), 0, ([Total Revenue] < 600000), 1, 2)

Case(((today@ID>[Due Date]@ID)And(Status@ID="Done")), "Late", ((today@ID>[Due Date]@ID)And(Status@ID="In Progress")), "Done", "In Progress")

---------================== debug

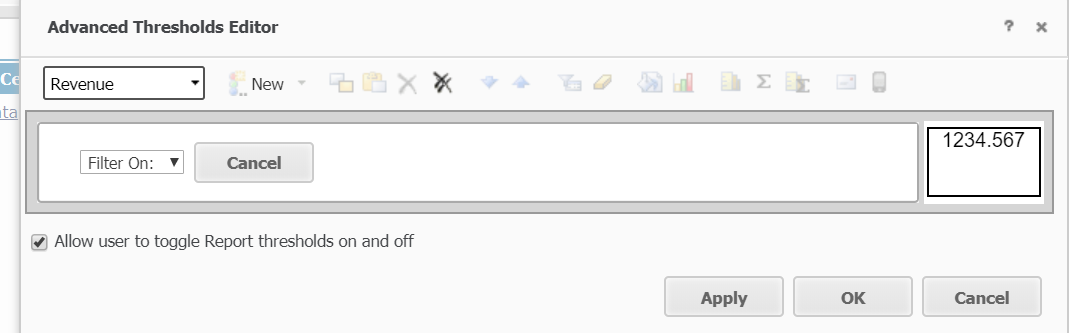
sql engine got an exception from dfc SOLVED filter A by B, update dataset to change B to attribute or metric

the reports contains a cross join SOLVED filter A by B, update dataset to change B to attribute or metric

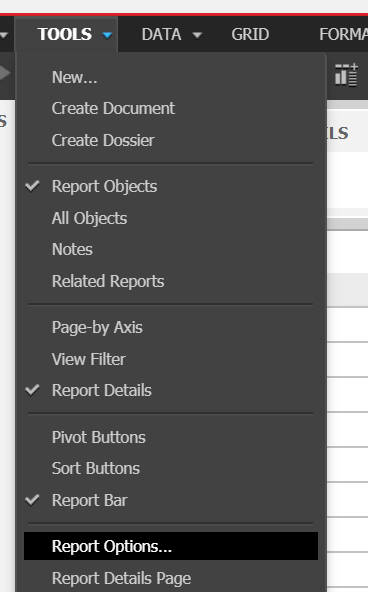
========= How to build a report ============

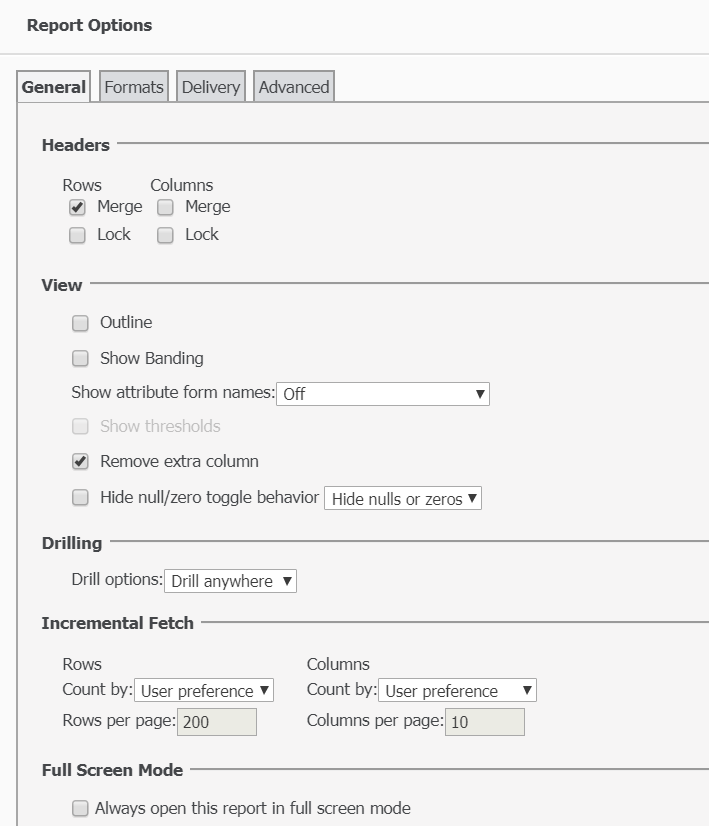
Test account log in user33 password GreenDot

Conditional formatting

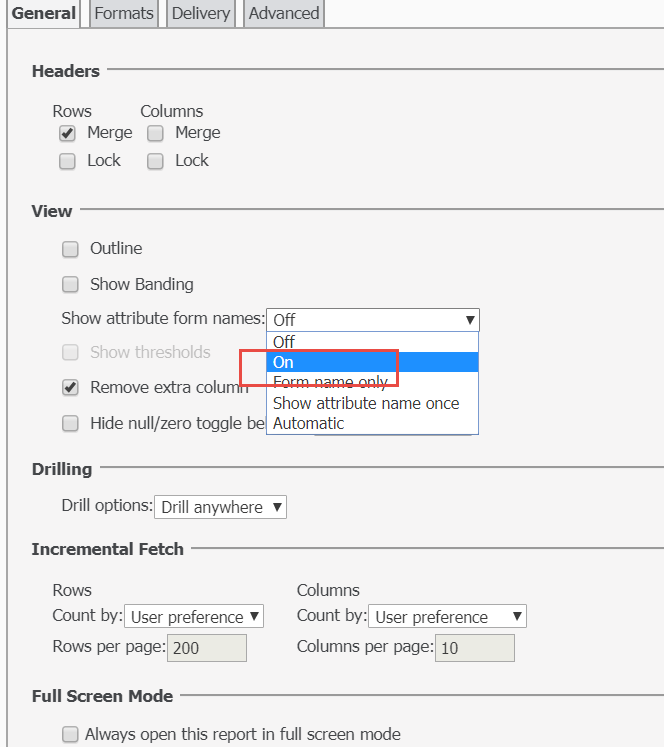


==== merge column





=====SHOW column name

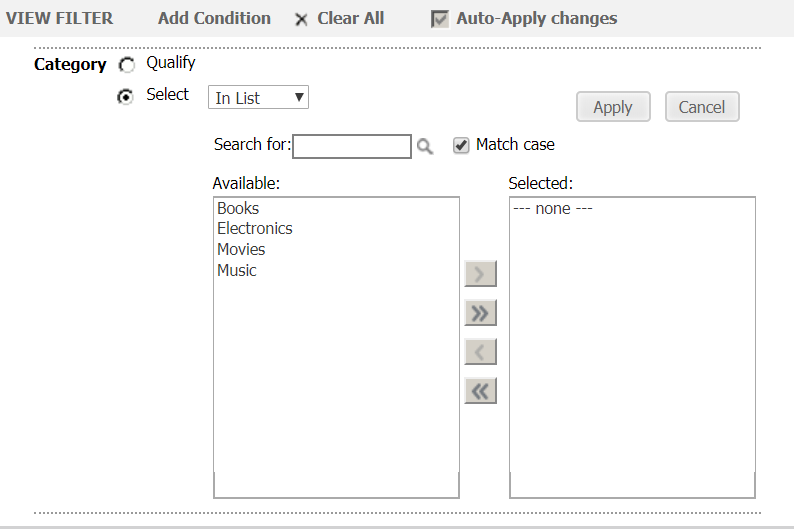


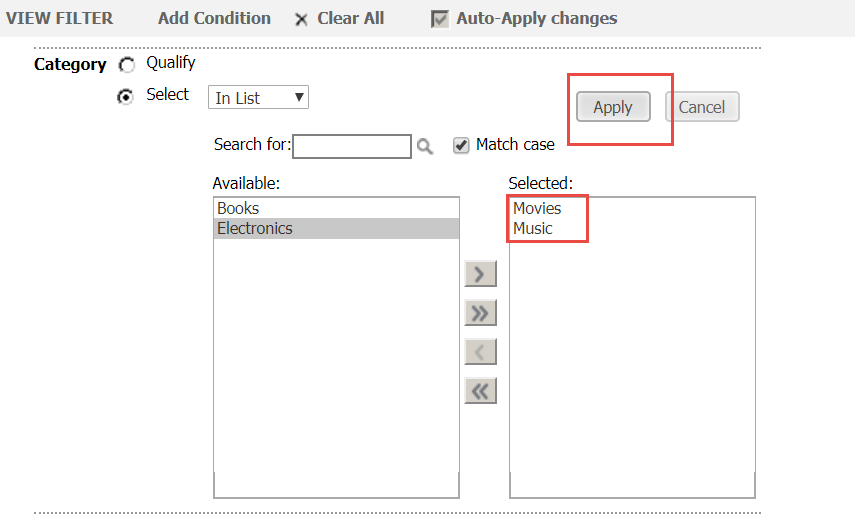
===== filter Report filter VS view filter

Report filter control the SQL data, it always go first ,then View filter

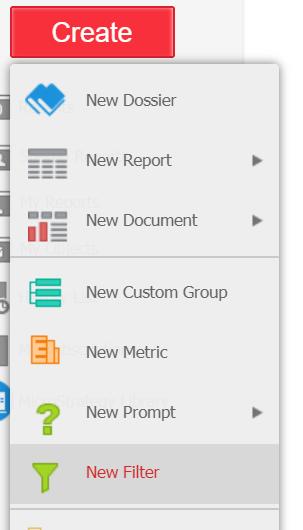
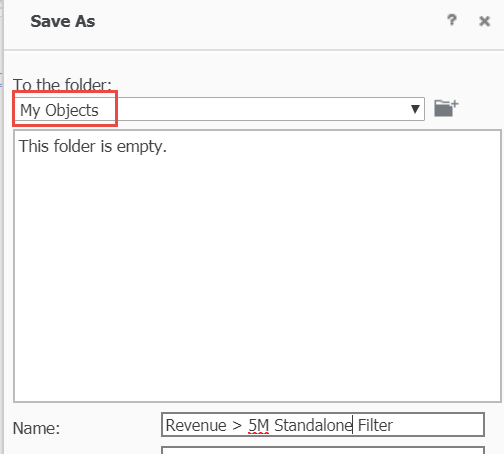
View filter based only on the objects in the report

--View report





--create a Standalone filter

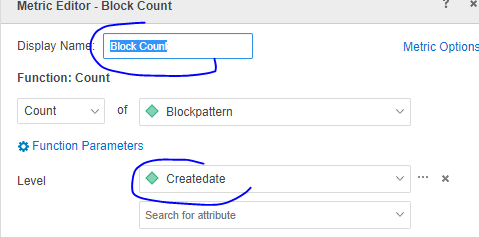
 

===============color filter microstrategy dossier

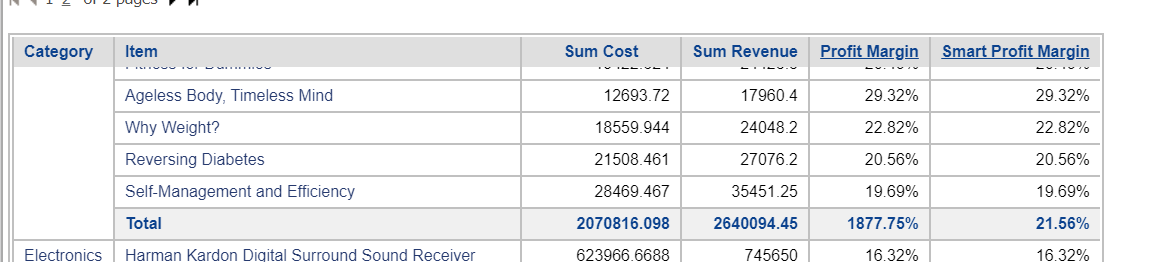
Click the metric, select threshold

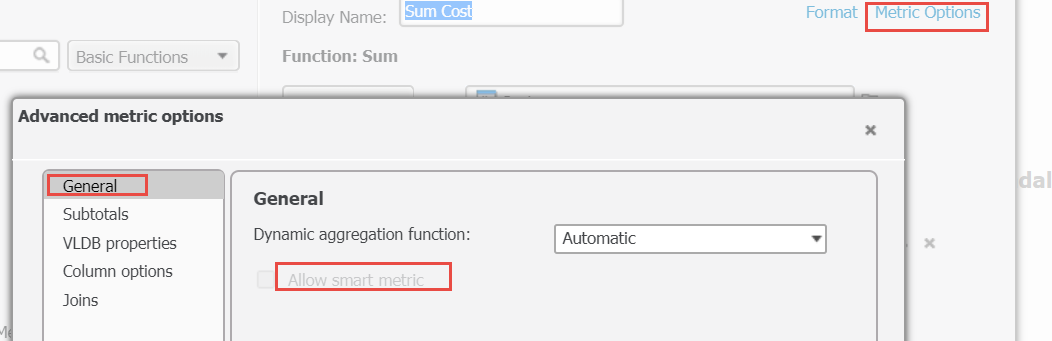
--======================if the Standard Deviation metric is defined at the report level, as you have it set, it will null the aggregation, and the results will display as blank cells, In order to correct the error, please adjust your level settings to create the desired output.(month level)

fix: Standard Deviation metric is based on the Cure Rate metric, which is defined as Cured/[Block Count]. You need to set

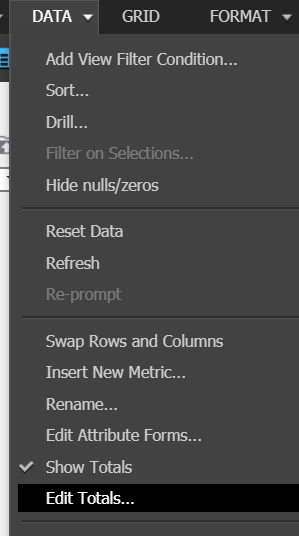
 for cured to make it work

---------===== smart metric

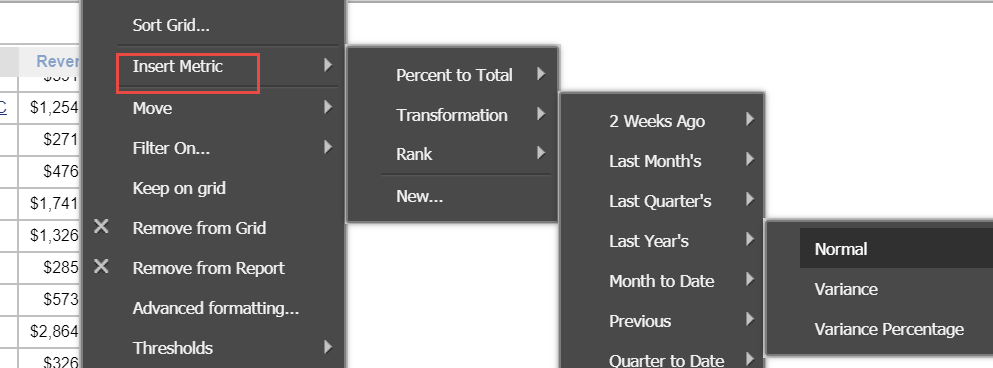




If you want to get Average,



------===

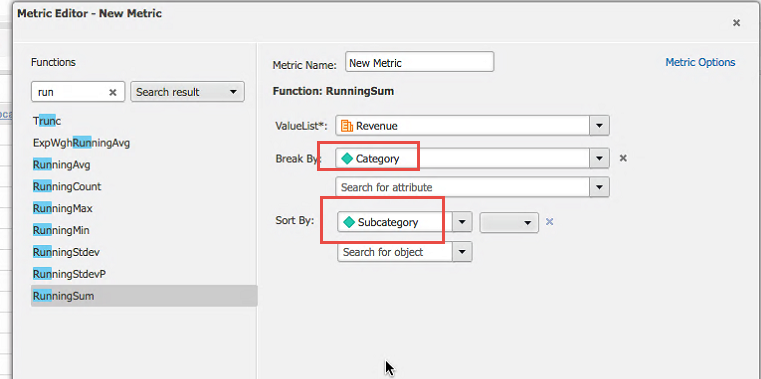


--========= count distinct

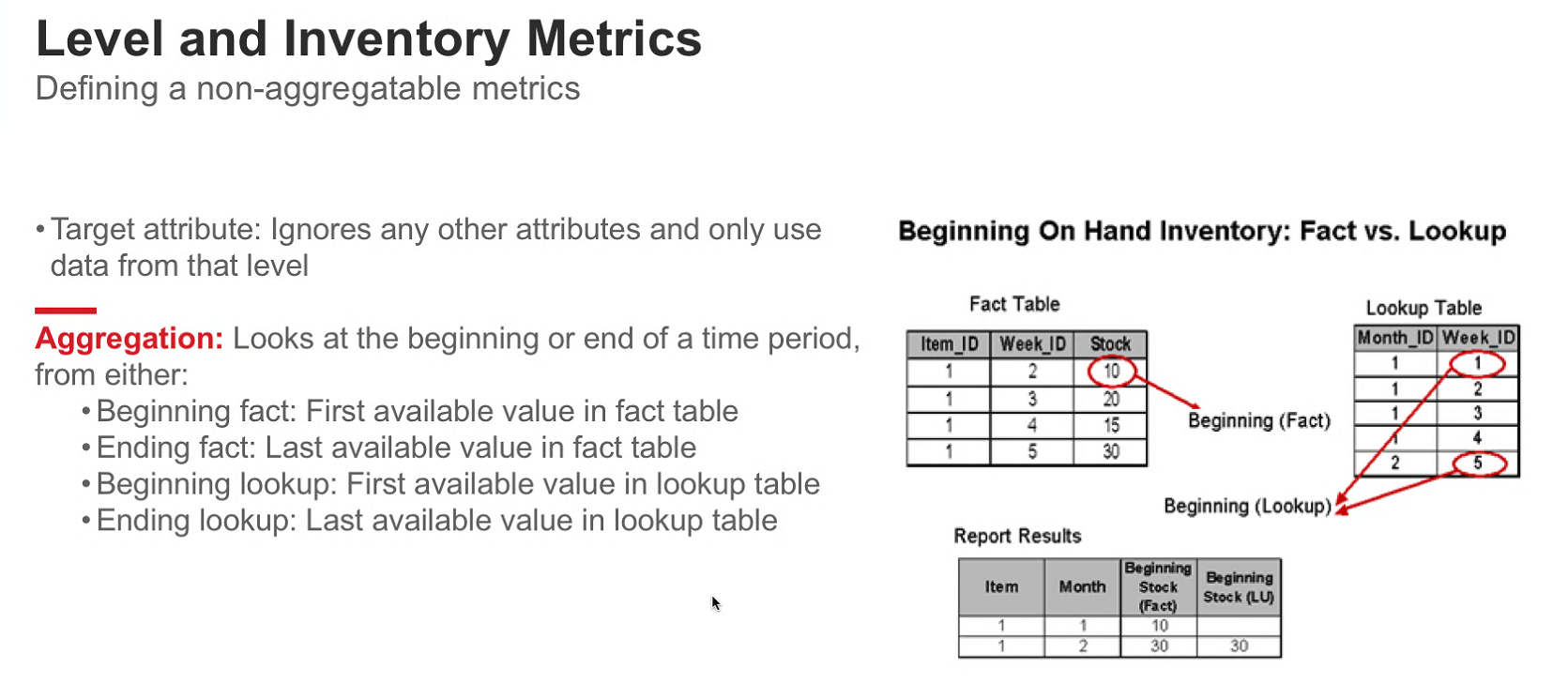
Set True: only unique element will be included

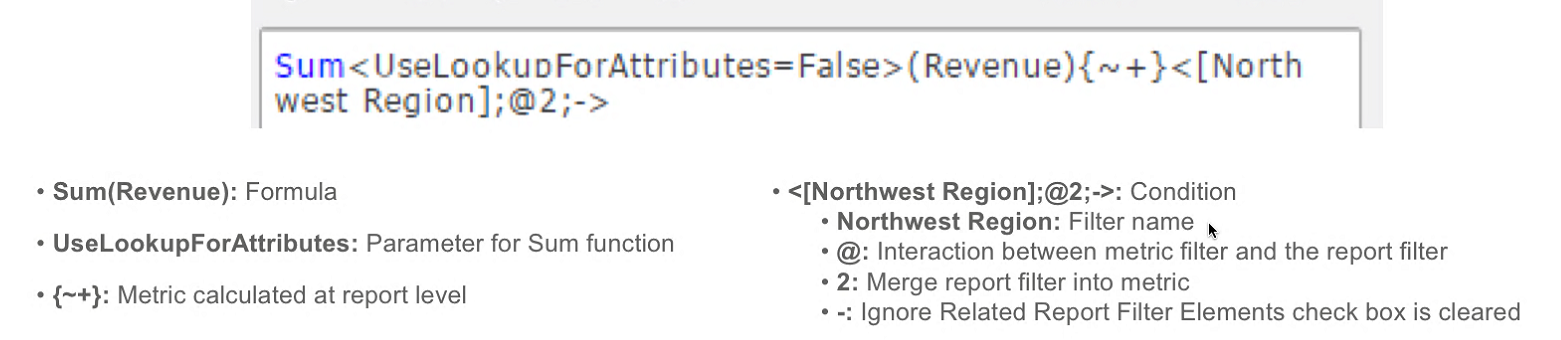
False

== running total running sum

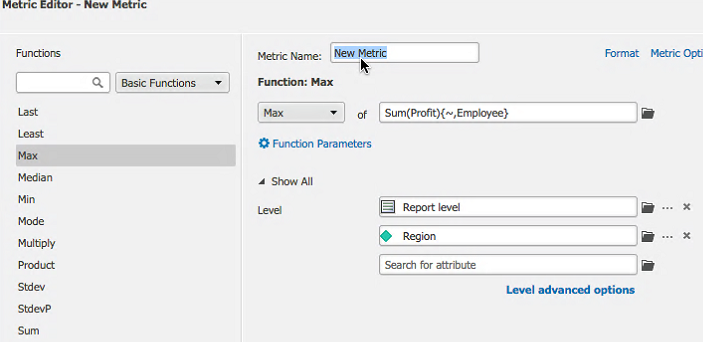


-==============

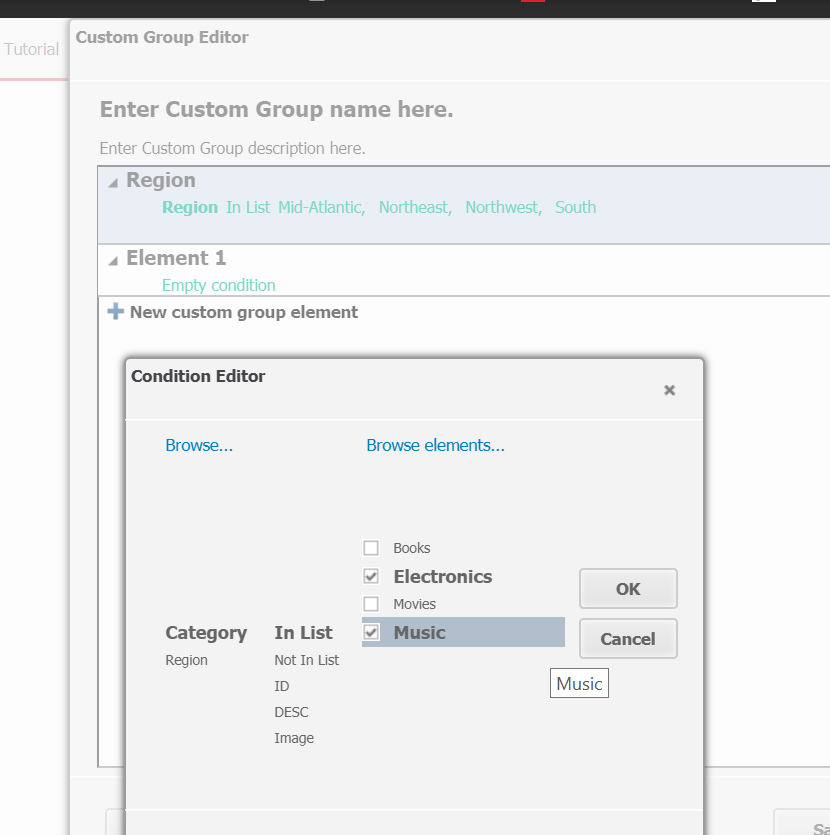








-==== similar to filter, only display the column you like



----remove time from datetime

During the data import to cube, set text to date