

Expressions – Aggregations on the Fly

Release Date

2018 Q1

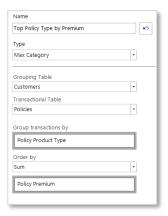
Summary

On the fly aggregations can now include MaxCategory aggregation and Mode functions. Additionally DateTime variables are now supported in Recency/Relative aggregations.

The three new features of 'on the fly' aggregations are accessed through the expression window in the same way that existing 'on the fly' aggregations are.

Max Category: Scenario - identify the most expensive product someone has purchased. To achieve this we can group records by **Destination** and order each group of records by **sum cost** to identify the most expensive Policy Product a customer purchased.

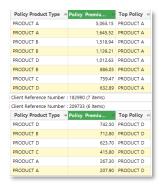
- Click on the Add Aggregation button and then on the tab that opens up
- > In the Type drop down select Max Category
- > Group Transactions by Policy Product Type
- > Drag Policy Premium on to the order by box and chose Sum



The expression can now be utilised in all the places you would expect to be able to use expressions throughout the Market Insight Suite.

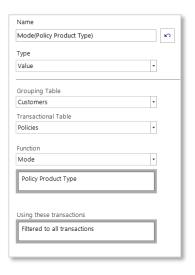
In this example we have grouped by Policies and asked for the Policy Premium in order to find a customer's most expensive Policy Premium.

The data grid allows us to check our expression has identified the correct policy.

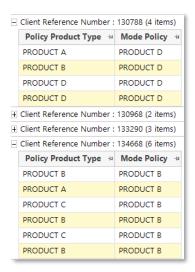


Mode Function in Value Aggregation type: Scenario – find the most commonly occurring transactional value. To achieve this we will chose the **value** aggregation, **mode** function and an appropriate transactional value (**Policy Product Type**).

- Click on the Add Aggregation button and then on the tab that opens up
- > Chose Value from the Type drop down
- Add Product Type as your value variable, Mode will be selected by default



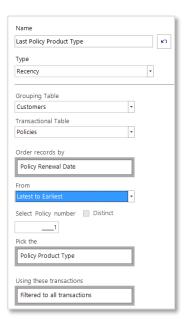
The data grid allows us to check our expression has identified the modal Policy.



Support for DateTime variables in Recency/Relative aggregations: Scenario – identify the last policy product type purchased.

DateTime variables can be applied in an aggregation in the same way as Date variables have been previously. To tackle the scenario, we will create a **Recency** aggregation ordering the records by **Policy Renewal Date** and picking the **Policy Product Type**.

- Click on the Add Aggregation button and then on the tab that opened up
- > Choose Recency from the type drop down
- Choose the appropriate transactional Table in this case Policies
- Drag Policy Renewal Date on as the ordering variable
- Change the From option to Latest to Earliest
- > Drag Policy Product Type on, as your item variable, to the box headed Pick the



The results can be sense checked on a data grid.

