

Cube Measure's Pattern

A new formatting mechanism is added to Measure to allow you to control the cube column names. The new pattern field in the Measure Dialog allows you to enter a pattern, including variable substitutions that will become the column name.

Using the above traditional name as an example, here are some patterns and their outputs:

- [blank] -> US/Oregon/Married/Count(employeeid) // backwards compatible
- $\{*\}$ -> US/Oregon/Married/Count(employeeid) // all, as before
- $\{0\}$ -> US // extract using index
- $\{-\{1\}-\{0\}-\{2\}-\}$ -> -Oregon-US-Married- // another index
- $\{hierarchy\}$ -> US/Oregon/Married // without the measure
- $\{measure\}$ -> Count(employeeid) // without the hierarchy
- $\{hierarchy\}/\{measure\}$ -> US/Oregon/Married/Count(employeeid) // all
- $\{field\}$ -> employeeid // just the field name
- $\{fn\}$ -> Count // just the measure fn
- $\{fn\}$ of $\{field\}$ -> Count of employeeid // varying formatting

Note that after setting these patterns, you should Infer-schema to update and check your column names- otherwise downstream processors will not see the change. Also, it is your responsibility to avoid or handle duplicate column names - *eg.* $\{0\}$ -> US is likely to result in a lot of "US" columns. The best value to use for the CrossTab sample is $\{hierarchy\}$ as this should save a bit of processing downstream.

These changes only apply to the "flattened" cube output to the next processor; they do not affect the interactive hierarchical cube view in Ensemble and Perspective - these still show the full hierarchy as before.