

Expressions – New Functions

Release Date

2017 Q3

Summary

A mixture of 11 new Aggregation and Maths functions have been added to the 2017 Q3 release.

Aggregation Functions

RankSequence

This function returns a value based upon the sequence of a series of numbers or dates:

- If all values are equal (23, 23, 23) then a value of 3 is returned
- If the values are increasing with no ties (10, 20, 30) then a value of 2 is returned
- If the values are increasing with ties (10, 20, 20) then a value of 1 is returned
- If the values have no order (73, 4, 56) then a value of **0** is returned
- If the values are decreasing with ties (50, 40, 40) then a value of -1 is returned
- If the values are decreasing with no ties (50, 40, 30) then a value of -2 is returned

RankCoeff

This function returns a value between -1 and 1 as a result of calculating a series of values (number or date) using the Spearman Rank Coefficient:

e.g. RankCoeff(10, 20, 30) will return a value of 1

RankCoeff(9, 7, 8) will return a value of -0.5

Maths Functions

A group of 9 functions have been added to cover basic, inverse and hyperbolic trigonometry:

Basic - Sin(n), Cos(n), Tan(n)

More details on these functions can be found on the Wikipedia website: https://en.wikipedia.org/wiki/Trigonometric functions

Inverse - ASin(n), ACos(n), ATan(n)

More details on these functions can be found on the Wikipedia website: https://en.wikipedia.org/wiki/Inverse_trigonometric_functions

Hyperbolic - Sinh(n), Cosh(n), Tanh(n)

More details on these functions can be found on the Wikipedia website: https://en.wikipedia.org/wiki/Hyperbolic_function