Stat Server User's Guide

Historical CustomValue Categories

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> ### Important
>
> Configured stat types for historical custom-value statistical categories must specify `DNAction` as the `Subject`.

AverageCustomValue

$$Value = \frac{TotalCustomValue(MainMask, Interval, CustomFormula)}{TotalNumber(MainMask, Interval)}$$

When the denominator is 0, the returned value is 0 (the numerator is always 0 in this case).

This category returns the average value of the custom formula values evaluated over each interaction-related or `UserEvent` action listed in the mask that ended (for durable actions) or occurred (for instantaneous actions) during the interval from which the statistic is calculated.

MaxCustomValue

The `MaxCustomValue` statistical category returns an aggregated value that represents the greatest of the custom-formula values evaluated over each interaction-related or `UserEvent` action listed in the mask that ended (for durable actions) or occurred (for instantaneous actions) during the interval from which the statistic is calculated.
Value = MaxCustomValue(MainMask,Interval,CustomFormula)

MinCustomValue

The `MinCustomValue` statistical category returns an aggregated value that represents the smallest of the custom-formula values evaluated over each interaction-related or `UserEvent` action listed in the mask that ended (for durable actions) or occurred (for instantaneous actions) during the interval from which the statistic is calculated.
Value = MinCustomValue(MainMask,Interval,CustomFormula)

TotalCustomValue

The `TotalCustomValue` statistical category returns an aggregated value that represents the sum of the custom formula values evaluated over each interaction-related or `UserEvent` action listed in the mask that ended (for durable actions) or occurred (for instantaneous actions) during the interval from which the statistic is calculated.
Value = TotalCustomValue(MainMask,Interval,CustomFormula)

> ### Important
>
> To keep the last calculated value and have sustainable results for the `MinCustomValue` and the `AverageCustomValue` categories, the appropriate filter must be applied. The filter should contain `PairExist("key", "*")` validation for all `UserData` for interactions involved in the calculation. The `PairExist("key", "*")` validation prevents formula calculation in cases where there is a missing key in `UserData` (the value for a missing key is always 0).