



This PDF is generated from authoritative online content, and is provided for convenience only. This PDF cannot be used for legal purposes. For authoritative understanding of what is and is not supported, always use the online content. To copy code samples, always use the online content.

# Stat Server User's Guide

Historical CustomValue Categories

5/8/2025

# Historical CustomValue Categories

## Contents

- 1 Historical CustomValue Categories
  - 1.1 AverageCustomValue
  - 1.2 MaxCustomValue
  - 1.3 MinCustomValue
  - 1.4 TotalCustomValue

### Important

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

## AverageCustomValue

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

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).