How can I use the SUMX2MY2 function in Excel?

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The SUMX2MY2 function in Excel is a statistical function that allows users to calculate the sum of the differences between two sets of numbers. It is typically used to analyze data and identify any significant variations between two data sets. To use this function, users must first input the two data sets into the appropriate cells in the Excel spreadsheet. Then, they can simply enter the formula "=SUMX2MY2" followed by the cell references for the two data sets. This will calculate the sum of the squared differences between the two data sets, providing valuable insights for data analysis and decision-making purposes.

This article describes the formula syntax and usage of the **SUMX2MY2** function in Microsoft Excel.

Description

Returns the sum of the difference of squares of corresponding values in two arrays.

Syntax

SUMX2MY2(array_x, array_y)

The SUMX2MY2 function syntax has the following arguments:

Array_x Required. The first array or range of values.

Array_y Required. The second array or range of values.

Remarks

The arguments should be either numbers or names, arrays, or references that contain numbers.

If an array or reference argument contains text, logical values, or empty cells, those values are ignored; however, cells with the value zero are included.

If array_x and array_y have a different number of values, SUMX2MY2 returns the #N/A error value.

The equation for the sum of the difference of squares is:

$$SUMX2MY2 = \sum (x^2 - y^2)$$