

# How can I use the SUMX2MY2 function in Google Sheets?

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## RECOMMENDED CITATION

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The SUMX2MY2 function in Google Sheets is a powerful mathematical tool that allows users to calculate the sum of the squares of two sets of data. This function can be used to analyze and compare two sets of data, such as measuring the difference between two variables. To use the SUMX2MY2 function, users must enter the two sets of data as arrays, separated by commas. The function will then calculate the sum of the squares of the differences between each corresponding data point. This can be useful in various applications, such as financial analysis, statistical analysis, and trend forecasting. By utilizing the SUMX2MY2 function, users can easily perform complex calculations and gain valuable insights from their data in Google Sheets.

## SUMX2MY2

Calculates the sum of the differences of the squares of values in two arrays.

### Sample Usage

```
SUMX2MY2({1,2,3},{4,5,6})
```

```
SUMX2MY2(A2:A9,B2:B9)
```

### Syntax

```
SUMX2MY2(array_x, array_y)
```

`array_x` - The array or range of values whose squares will be reduced by the squares of corresponding entries in `array_y` and added together.

`array_y` - The array or range of values whose squares will be subtracted from the squares of corresponding entries in `array_x` and added together.

### See Also

`SUMXMY2`: Calculates the sum of the squares of differences of values in two arrays.

`SUMX2PY2`: Calculates the sum of the sums of the squares of values in two arrays.

### Examples