How do I calculate the sum of the squared differences between two sets of data in Google Sheets?

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Calculating the sum of the squared differences between two sets of data in Google Sheets is a simple process that can be achieved using the built-in function "SUMSQ". This function takes in two sets of data and calculates the square of the difference between each corresponding data point, then sums up all of these values to give the total sum of squared differences. This method is useful for analyzing the variability between two sets of data and can be used for various applications such as data comparison and statistical analysis. By using the "SUMSQ" function, users can easily and accurately calculate the sum of the squared differences between two sets of data in Google Sheets.

SUMXMY2

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

Sample Usage

`SUMXMY2({1,2,3},{4,5,6})`

`SUMXMY2(A2:A9,B2:B9)`

Syntax

`SUMXMY2(array_x, array_y)`

`array_x` - The array or range of values that will be reduced by corresponding entries in `array_y`, squared, and added together.

`array_y` - The array or range of values that will be subtracted from corresponding entries in `array_x`, the result squared, and all such results added together.

See Also

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

`SUMX2MY2`: Calculates the sum of the differences of the squares of values in two arrays.

Examples