

“How can I use the DSTDEVP function in Excel?”

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The DSTDEVP function in Excel is a statistical tool that allows users to calculate the standard deviation of a population based on a sample. This function takes into account the entire population, making it useful for analyzing large sets of data. To use the DSTDEVP function, users must input the data range, sample range, and criteria range, if applicable. The function will then return the standard deviation of the population. This can be helpful in analyzing the variability of data and making informed decisions based on the results. By utilizing the DSTDEVP function in Excel, users can efficiently and accurately analyze large sets of data and draw meaningful conclusions.

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

Description

Calculates the standard deviation of a population based on the entire population by using the numbers in a field (column) of records in a list or database that match conditions that you specify.

Syntax

DSTDEVP(database, field, criteria)

The DSTDEVP function syntax has the following arguments:

Database Required. The range of cells that makes up the list or database. A database is a list of related data in which rows of related information are records, and columns of data are fields. The first row of the list contains labels for each column.

Field Required. Indicates which column is used in the function. Enter the column label enclosed between double quotation marks, such as "Age" or "Yield," or a number (without quotation marks) that represents the position of the column within the list: 1 for the first column, 2 for the second column, and so on.

Criteria Required. The range of cells that contains the conditions that you specify. You can use any range for the criteria argument, as long as it includes at least one column label and at least one cell below the column label in which you specify a condition for the column.

Remarks

You can use any range for the criteria argument, as long as it includes at least one column label and at least one cell below the column label for specifying the condition.

For example, if the range G1:G2 contains the column label Income in G1 and the amount \$10,000

in G2, you could define the range as MatchIncome and use that name as the criteria argument in the database functions.

Although the criteria range can be located anywhere on the worksheet, do not place the criteria range below the list. If you add more information to the list, the new information is added to the first row below the list. If the row below the list is not blank, Microsoft Excel cannot add the new information.

Make sure that the criteria range does not overlap the list.

To perform an operation on an entire column in a database, enter a blank line below the column labels in the criteria range.

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