

# DEVSQ function in Excel The function returns the sum of squares of deviations between data points from their average

DEVSQ () is a function that returns the sum of squares of deviations between data points from their average.

Sometimes you need to calculate the sum of squares of deviations between data points from its average. The DEVSQ () function helps you make this request. If you do not know the syntax and usage of DEVSQ () function, you can follow the article below.

The article describes the syntax and usage of the DEVSQ () function to calculate the sum of squares of deviations in Excel.

## Hàm DEVSQ trong Excel

[thuthuatphanmem.vn](http://thuthuatphanmem.vn)

### Description

DEVSQ () is a function that returns the sum of squares of deviations between data points from their average.

### Syntax

= DEVSQ (number1, number2, .)

Inside:

**number1:** the first argument, required.

**number2:** is the next parameter, optional and up to 255 arguments that you want to calculate the square of their deviation.

number1, number2 . can be numbers directly separated by commas, an array, or an array reference.

## Note

- Arguments number1, number2 . can be numbers or names, an array or a reference containing numbers.
- Ignore arguments that are arrays or references to cells that contain text, logical values, or empty cells except the value of 0 (zero).
- The logical values ??and text representations form that you enter directly into the argument list will be calculated.
- If the arguments are entered directly as text or the values ??cannot be converted into numbers, the function will report an error.
- Equation summing squared deviations:

$$\text{DEVSQ} = \sum (x - \bar{x})^2$$

## For example

Calculate the sum of squares of deviations of numbers in the **Data** column .

|    | A  | B | C     | D       | E | F | G |
|----|--|---|-------|---------|---|---|---|
| 1  |  |   |       |         |   |   |   |
| 2  | Hàm DEVSQ trong Excel                                      |   |       |         |   |   |   |
| 3  | <a href="http://thuthuatphanmem.vn">thuthuatphanmem.vn</a> |   |       |         |   |   |   |
| 4  |  |   |       |         |   |   |   |
| 5  |  |   |       | Dữ liệu |   |   |   |
| 6  |  |   |       | 9       |   |   |   |
| 7  |  |   |       | 5       |   |   |   |
| 8  |  |   |       | 7       |   |   |   |
| 9  |  |   |       | 5       |   |   |   |
| 10 |  |   |       | 6       |   |   |   |
| 11 |  |   |       | 8       |   |   |   |
| 12 |  |   | DEVSQ | ?       |   |   |   |
| 13 |  |   |       |         |   |   |   |

Applying DEVSQ (): = DEVSQ (D6: D11) we get the following result:

|    | A | B | C     | D  | E | F | G |
|----|---|---|-------|--|---|---|---|
| 1  |   |   |       |  |   |   |   |
| 2  |   |   |       | <b>Hàm DEVSQ trong Excel</b>                               |   |   |   |
| 3  |   |   |       | <a href="http://thuthuatphanmem.vn">thuthuatphanmem.vn</a> |   |   |   |
| 4  |   |   |       |  |   |   |   |
| 5  |   |   |       | Dữ liệu  |   |   |   |
| 6  |   |   |       | 9  |   |   |   |
| 7  |   |   |       | 5  |   |   |   |
| 8  |   |   |       | 7  |   |   |   |
| 9  |   |   |       | 5  |   |   |   |
| 10 |   |   |       | 6  |   |   |   |
| 11 |   |   |       | 8  |   |   |   |
| 12 |   |   | DEVSQ | 13.33333   |   |   |   |
| 13 |   |   |       |  |   |   |   |

You can also enter numbers directly into the function: = DEVSQ (9,5,7,5,6,8)

|    | A | B | C     | D  | E | F | G |
|----|---|---|-------|--|---|---|---|
| 1  |   |   |       |  |   |   |   |
| 2  |   |   |       | <b>Hàm DEVSQ trong Excel</b>                               |   |   |   |
| 3  |   |   |       | <a href="http://thuthuatphanmem.vn">thuthuatphanmem.vn</a> |   |   |   |
| 4  |   |   |       |  |   |   |   |
| 5  |   |   |       | Dữ liệu  |   |   |   |
| 6  |   |   |       | 9  |   |   |   |
| 7  |   |   |       | 5  |   |   |   |
| 8  |   |   |       | 7  |   |   |   |
| 9  |   |   |       | 5  |   |   |   |
| 10 |   |   |       | 6  |   |   |   |
| 11 |   |   |       | 8  |   |   |   |
| 12 |   |   | DEVSQ | 13.33333   |   |   |   |
| 13 |   |   |       |  |   |   |   |

DEVSQ () function is also one of the functions with quite simple syntax and usage, you can quickly remember the syntax and know how to use DEVSQ () function to calculate the sum of squared deviations in Excel. Good luck!

You finished reading the article "**DEVSQ function in Excel The function returns the sum of squares of deviations between data points from their average**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.