

How can I use the MUNIT function in Google Sheets?

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The MUNIT function is a powerful tool in Google Sheets that allows users to quickly and easily generate a matrix of ones with specified dimensions. This function is mainly used in statistical analysis and data manipulation, allowing for efficient creation of identity matrices. To use the MUNIT function, simply enter the desired number of rows and columns as arguments, and the function will automatically generate a square matrix with the specified dimensions. This can save time and effort when working with large datasets, and is especially useful for statistical calculations and data organization. The MUNIT function is a valuable feature in Google Sheets for users looking to streamline their data analysis processes.

MUNIT function

The MUNIT function returns a unit matrix of size dimension x dimension. The result of this function is an array of form:

1 0 ... 0

0 1 ... 0

0 0

0 0 ... 1

Parts of a MUNIT function

`MUNIT(dimension)`

Part	Description
<code>dimension</code>	Required. The size of the unit matrix. Dimension must be an integer greater than zero.

Sample formulas

Example 1: `MUNIT(1)`

Example 2: `MUNIT(3)`

Notes

If dimension is less than 1, `MUNIT` returns a #VALUE error.

Examples

Result for $A1=MUNIT(1)$

	A
1	1
2	

Result for $A1=MUNIT(3)$

	A	B	C
1	1	0	0
2	0	1	0
3	0	0	1

Related functions

MMULT: Calculates the matrix product of two matrices specified as arrays or ranges.
RANDARRAY: The RANDARRAY function generates an array of random numbers between 0 and 1.