

How do you find the inverse of a matrix in Google Sheets?

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July 1, 2024

RECOMMENDED CITATION

stats writer (2024). *How do you find the inverse of a matrix in Google Sheets?*.

PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=164415>

Finding the inverse of a matrix in Google Sheets is a simple and efficient process that can be done using built-in functions. First, enter the matrix into a sheet using the appropriate format. Then, use the "`=MINVERSE`" function to calculate the inverse of the matrix. The result will be displayed in a new range of cells, with the original matrix on the left and the inverse on the right. This function can be used for matrices of any size, making it a convenient tool for mathematical calculations in Google Sheets.

MINVERSE

Returns the multiplicative inverse of a square matrix specified as an array or range.

Sample Usage

`MINVERSE(A1:D4)`

`MINVERSE({1,0,0,0;0,0,4,0;0,1,1,0;0,0,0,1})`

Syntax

`MINVERSE(square_matrix)`

`square_matrix` - An array or range with an equal number of rows and columns representing a matrix whose multiplicative inverse will be calculated.

See Also

`TRANSPOSE`: Transposes the rows and columns of an array or range of cells.

`MMULT`: Calculates the matrix product of two matrices specified as arrays or ranges.

`MDETERM`: Returns the matrix determinant of a square matrix specified as an array or range.

Examples