

Matrix concept

Whenever we place an element in rows and columns we use a matricial structure.

For example, any show in which the tickets are numbered makes use of such structures. The stalls are divided in rows and columns. If on our ticket we see Row 23, Seat 12, it is indicating that our seat is in the row 23 and column 12.

Any table of those that we use in the text editor is nothing but a matrix since it is organized in rows and columns.

The next table has 3 rows and 4 columns. The number placed in row 2 and column 4 is zero:

2	1	5	8
3	2	2	0
2	1	6	4

So, if we want a table to become a matrix that is representative of some mathematical object, we must put a numerical value in each cell, remove the grid and enclose it all between two big brackets:

$$\begin{pmatrix} 2 & 1 & 5 & 8 \\ 3 & 2 & 2 & 0 \\ 2 & 1 & 6 & 4 \end{pmatrix}$$