

Machine Learning

Linear Algebra review (optional)

Matrices and vectors

Matrix: Rectangular array of numbers:

Dimension of matrix: number of rows x number of columns

Matrix Elements (entries of matrix)

$$A = \begin{bmatrix} 1402 & 191 \\ 1371 & 821 \\ 949 & 1437 \\ 147 & 1448 \end{bmatrix}$$

$$A_{ij} =$$
 "i,j entry" in the i^{th} row, j^{th} column.

Ayx

$$A_{11} = |462|$$
 $A_{12} = |9|$
 $A_{32} = |437|$
 $A_{41} = |47|$



Vector: An n x 1 matrix.

$$y = 315$$
 1×10^{-4}
 1×10^{-4}



$$y_i = i^{th}$$
 element

matriz





