

18-02-2026

Numpy-II

vector (x_1)

ravel \rightarrow 1D \rightarrow return a view

$a = \begin{bmatrix} [1, 2, 3] \\ [4, 5, 6] \end{bmatrix}$
2x3

\rightarrow
 $a \leftarrow 2 \times 3$

		$\begin{bmatrix} [1, 2, 3] \\ [4, 5, 6] \end{bmatrix}$	
		$[1, 2, 3, 4, 5, 6]$	

$a.ravel() \rightarrow [1, 2, 3, 4, 5, 6]$

object \rightarrow instance of array \rightarrow to represent flatten array

view \rightarrow different ndarray object that looks at the same block of memory where the actual numerical values are stored.

$a \rightarrow 123 \times 011$ \leftarrow data
 $a.ravel() \rightarrow 124 \times 012$

