

ReLU

y

1

0.8

0.6

0.4

0.2

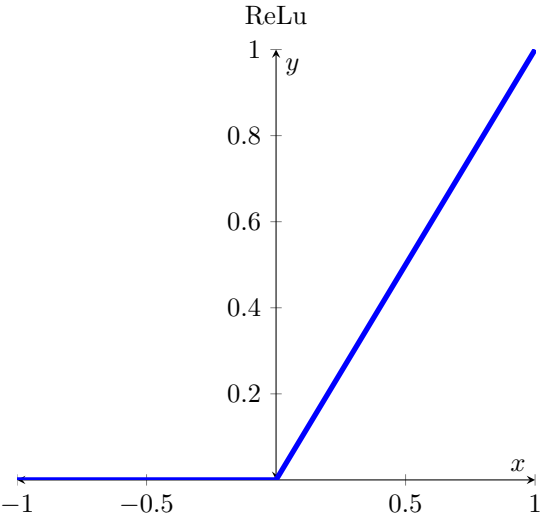
x

-1

-0.5

0.5

1



A graph of the Rectified Linear Unit (ReLU) function. The horizontal axis is labeled x and ranges from -1 to 1 with tick marks at -1, -0.5, 0.5, and 1. The vertical axis is labeled y and ranges from 0 to 1 with tick marks at 0.2, 0.4, 0.6, 0.8, and 1. The function is plotted as a thick blue line: it is zero for all $x \leq 0$ and increases linearly with a slope of 1 for all $x > 0$. The line starts at (-1, 0), goes to (0, 0), and then goes to (1, 1).

$$f(x) = \begin{cases} 0, & \text{if } x < 0; \\ x, & \text{otherwise.} \end{cases}$$