

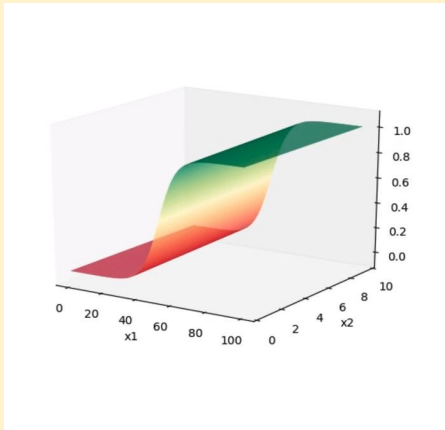
Sigmoid Neuron

Sigmoid Model

Model Part 2

What happens when we have two inputs?

1. Consider $y = 1/(1 + \exp(-(w_1x_1 + w_2x_2 + b)))$



- 2.
3. Substituting different values of w and x would result in the shape as seen in the curve above
4. Whenever $w_1x_1 + w_2x_2 + b = 0$, then $y = 0.5$