PadhAI: 6 Jars of Sigmoid Neuron

One Fourth Labs

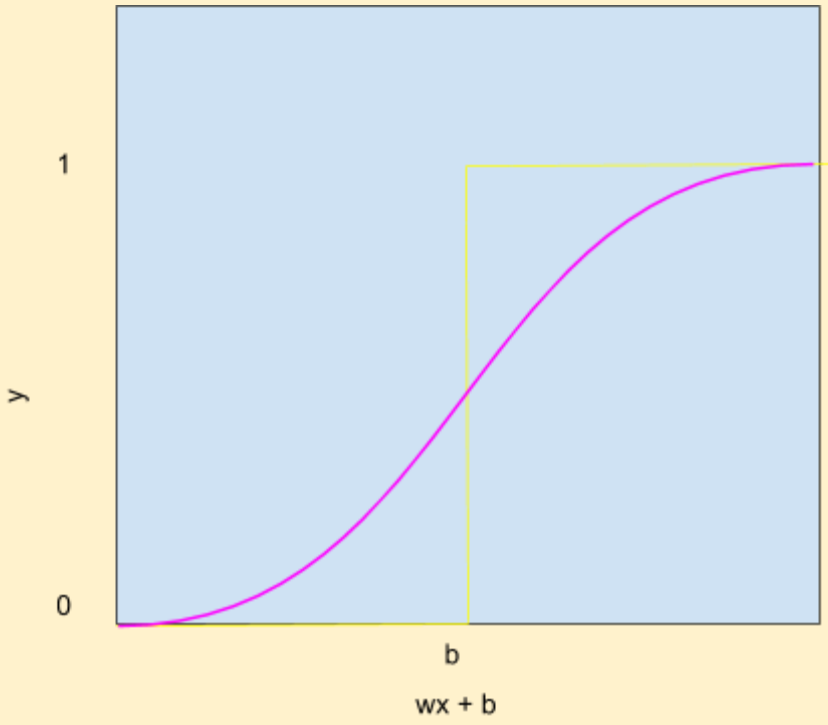
Sigmoid Neuron

Sigmoid Model

Model Part 1

Can we have a smoother (not-so-harsh) function?

1. The sigmoid function is provides a smoother, s-shaped curve as opposed to a stepped line.



2.
3. The function is defined as $y = 1/(1 + \exp(-(\sum_i w_i x_i + b))$, where i = 1 to n
4. Substituting different values for $(w^T x + b)$ and y, we will be able to trace out a curve similar to the one drawn above
   a.