



Perceptron works on a model of weights and biases where the number of params affecting the final outcome appear as weights in the line:
 $f(x) = Ax + by + c$
 and c is the intercept or the "bias"
 if the equation $w_1 x_1 + w_2 x_2 + b \geq 0$ then its 1
 else its 0
 hence perceptron is also termed as the binary classifier
 Because mathematically this eqn represents a region