Problem with Perceptron

* It is a linear model

* Work good on linear Data

* IT not work on XOR data

Playground.tensorflow.org $\rightarrow$ To visualize

* IT will never Converge on non-linear data like XOR. Not matter for how many times you run it.

And Data

Input 1	Input 2	Output
1	1	1
1	0	0
0	1	0
0	0	0

OR Data

Input 1	Input 2	Output
1	1	1
1	0	1
0	1	1
0	0	0

XOR Data

Input 1	Input 2	Output
1	1	0
1	0	1
0	1	1
0	0	0