# NEURAL NETWORKS

* The primary objective of neural networks is to draw a separator line between points of different qualities.
* Linear Boundaries – separator – w1x1 + w2x2 + b=0=> Wx + b=0,where W and x are vectors
* Higher dimensional boundaries – separator – w1x1 + w2x2 + .. wnxn +b =0=>Wx+b=0 where W and x are n-dimensional vectors