## **Perceptron Geometric Interpretation**

What is the geometric interpretation of the perceptron model

1. b can now take real values, and slope can change by varying w
2. x1 + x2 - b = 0
3. w1x1 + w2x2 - b = 0
4. x2  = -(w1/w2)x1 + (b/w2)
5. This results in more freedom than MP Neuron.
6. However, it only works with linearly separable data