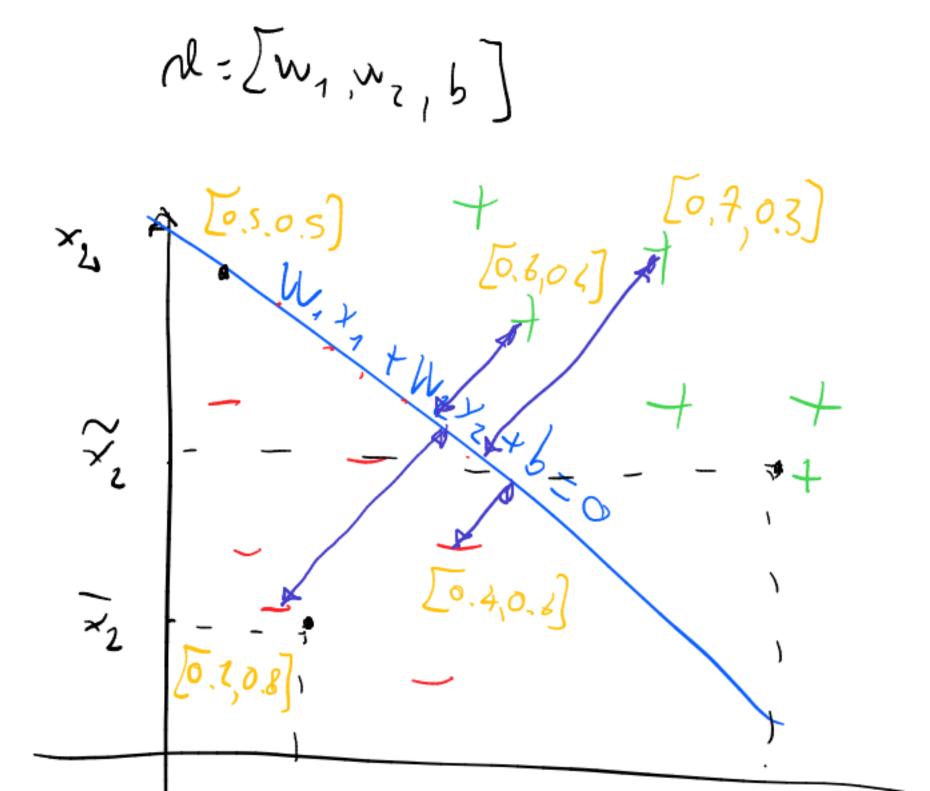


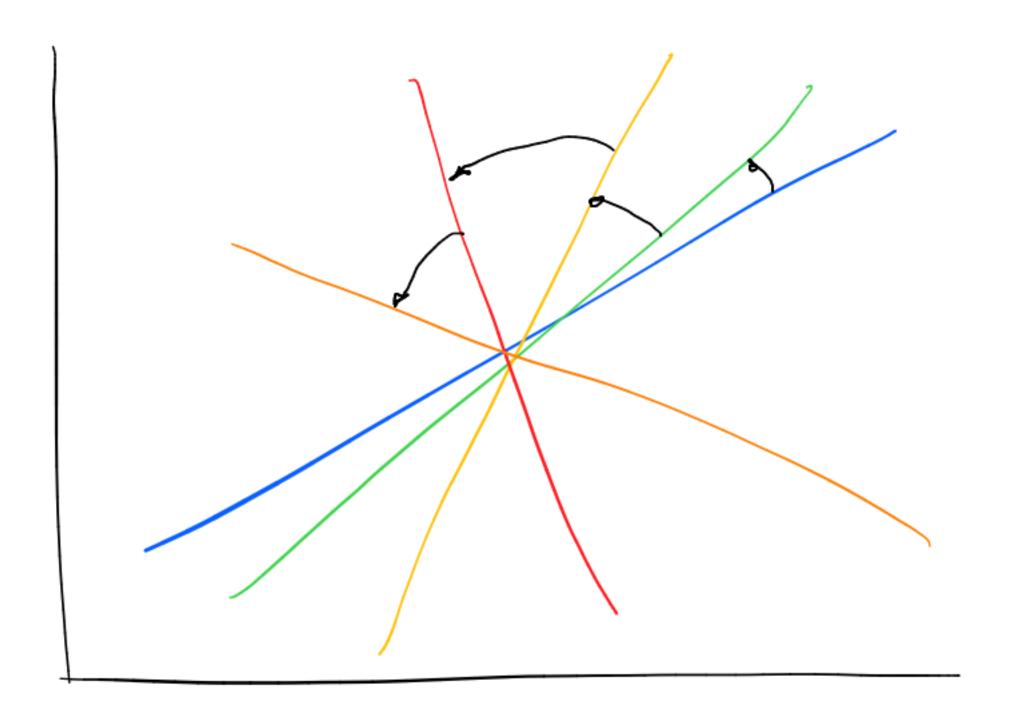
$$N = [w_1 - w_n, b] \in \mathbb{R}^{n+1}$$



$$x \rightarrow y \qquad \text{neg}$$

$$\int_{P_r} (P_{os} | x_1 \underline{n}) = \frac{1}{1 + exp(-\underline{w}x - \underline{b})}$$

$$\int_{P_r} (neg | x_1 \underline{w}) = 1 - \frac{1}{1 + exp(-\underline{w}^T x - \underline{b})}$$



$$f(x) \approx f(x_0) + f'(x_0)(x-x_0)$$

$$f(\vec{x}) = f(\vec{x}_0) + \nabla f(\vec{x}_0) + (\vec{x}_0) + (\vec{x}_$$

