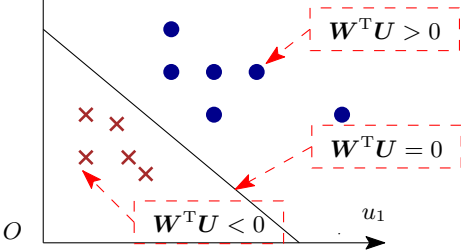


$$y = \text{sgn}(\mathbf{W}^T \mathbf{U}) = \begin{cases} 1 & \mathbf{W}^T \mathbf{U} \geq 0 \\ -1 & \mathbf{W}^T \mathbf{U} < 0 \end{cases}$$



$$y = f\left(\sum_{j=1}^n w_j u_j - \theta\right) = f\left(\sum_{j=0}^n w_j u_j\right)$$

