

$$\min_{b,w,\xi} \frac{1}{2}w^Tw + \frac{1}{2}t^2\sum_{n=1}^N\xi_n^2 \text{ subject to } y_n\left(w_n^Tx_n+t\sum_{m=1}^N\xi_mv_m+b\right)\geq 1$$