

$$\min_{b,w,\xi} \frac{1}{2} w^T w + \frac{1}{2} t^2 \sum_{n=1}^N \xi_n^2 \text{ subject to } y_n (w_n^T x_n + b) \geq 1 - y_n t \sum_{m=1}^N \xi_m v_m$$