



output  $\sigma(\sum v_i k(x, x_i))$

weights

dot product  $\langle \Phi(x), \Phi(x_i) \rangle = k(x, x_i)$

mapped vectors  $\Phi(x_i), \Phi(x)$

support vectors  $x_1 \dots x_n$

test vector  $x$