Kernel SVM
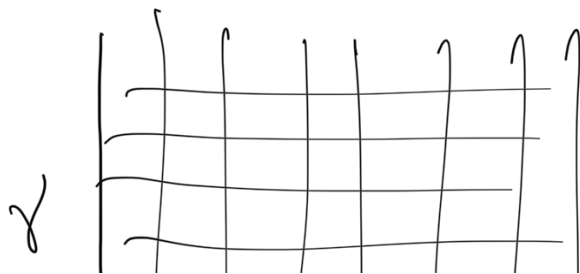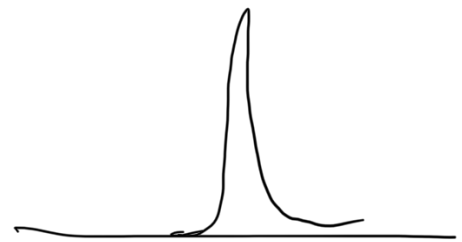
$$\exp\left(-\frac{1}{2\underline{\partial}^2}(x-0)^2\right)$$

$$= \exp\left(-\frac{1}{8}x^2\right)$$
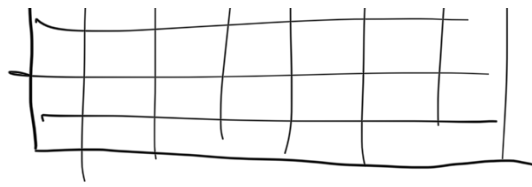
$$y^* = \text{sign}\left(\sum_{n=1}^{S.V} \alpha_n y_n \boxed{k(x_n, x^*)} + b\right)$$

let γ be high

$\boxed{\text{Kernel-width}}$

γ

$\boxed{\text{Grid-search}}$

C