

## SVM内核总结

Linear (线性内核):  $K(x, y) = X^T y$

Ploy (多项式核):  $K(x, y) = (X^T y + 1)^d$  d

Rbf (高斯径向基函数核):  $K(x, y) = e^{-\frac{\|x-y\|^2}{\delta^2}}$  \delta

Tanh (Tanh 核):

$$K(x, y) = \tanh(\beta X^T y + b)$$
  $\beta, b$

$$\tanh(x) = \frac{e^x - e^{-x}}{e^x + e^{-x}}$$