

set $\gamma = \frac{1}{2} \implies e^{-\frac{1}{2}\gamma(a^2+b^2)} \boxed{e^{ab}}$ Taylor expansion of this term

$$e^x = 1 + x + \frac{x^2}{2!} + \frac{x^3}{3!} + \dots + \frac{x^\infty}{\infty!}$$

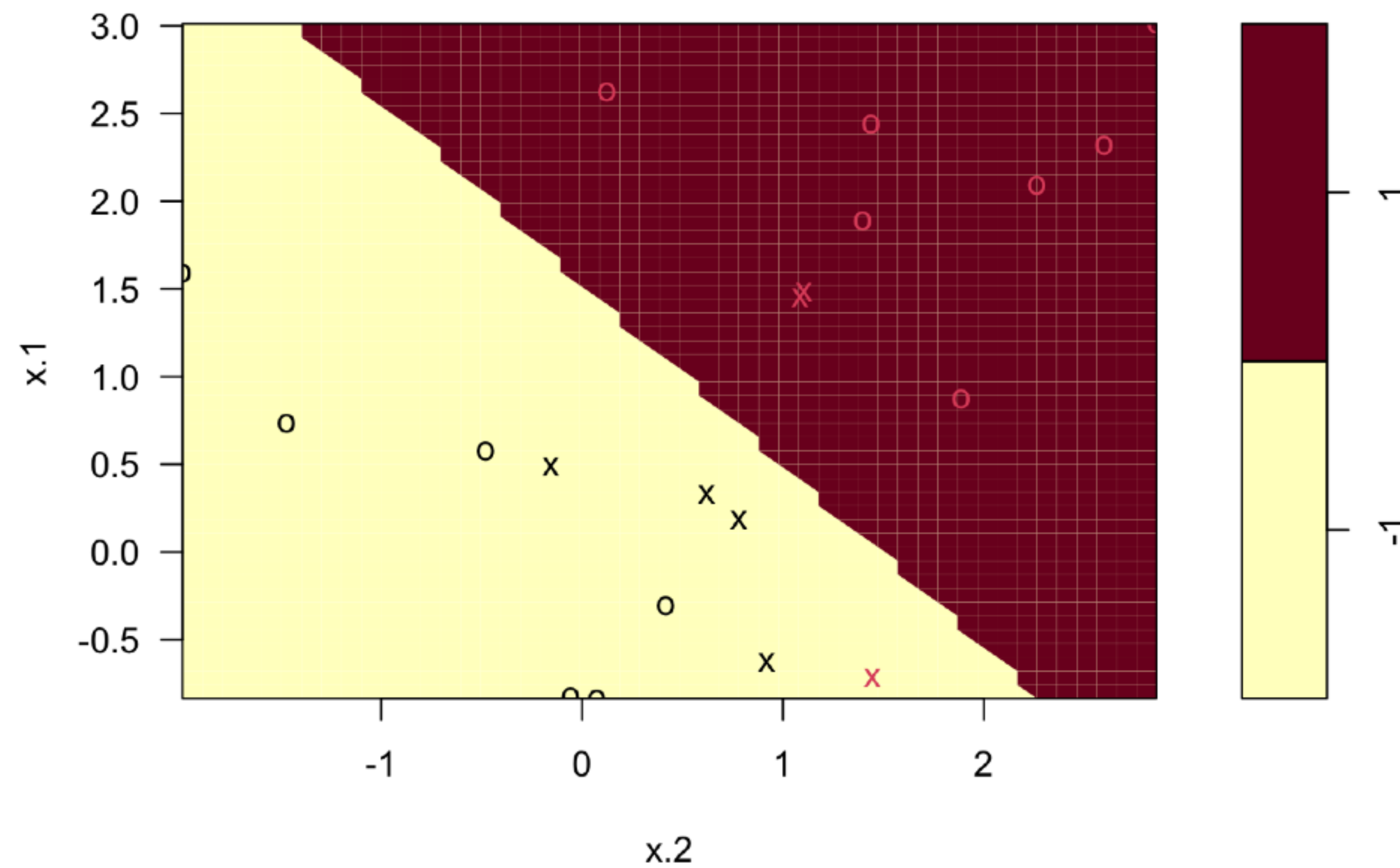
**Radial Kernels have
coordinates for
infinite dimensions!**

$$\boxed{a^0b^0} + \boxed{a^1b^1} + \boxed{a^2b^2} + a^3b^3 + \cdots + \boxed{a^\infty b^\infty} = (a, a^2, a^3, \dots, a^\infty)(b, b^2, b^3, \dots, b^\infty)$$

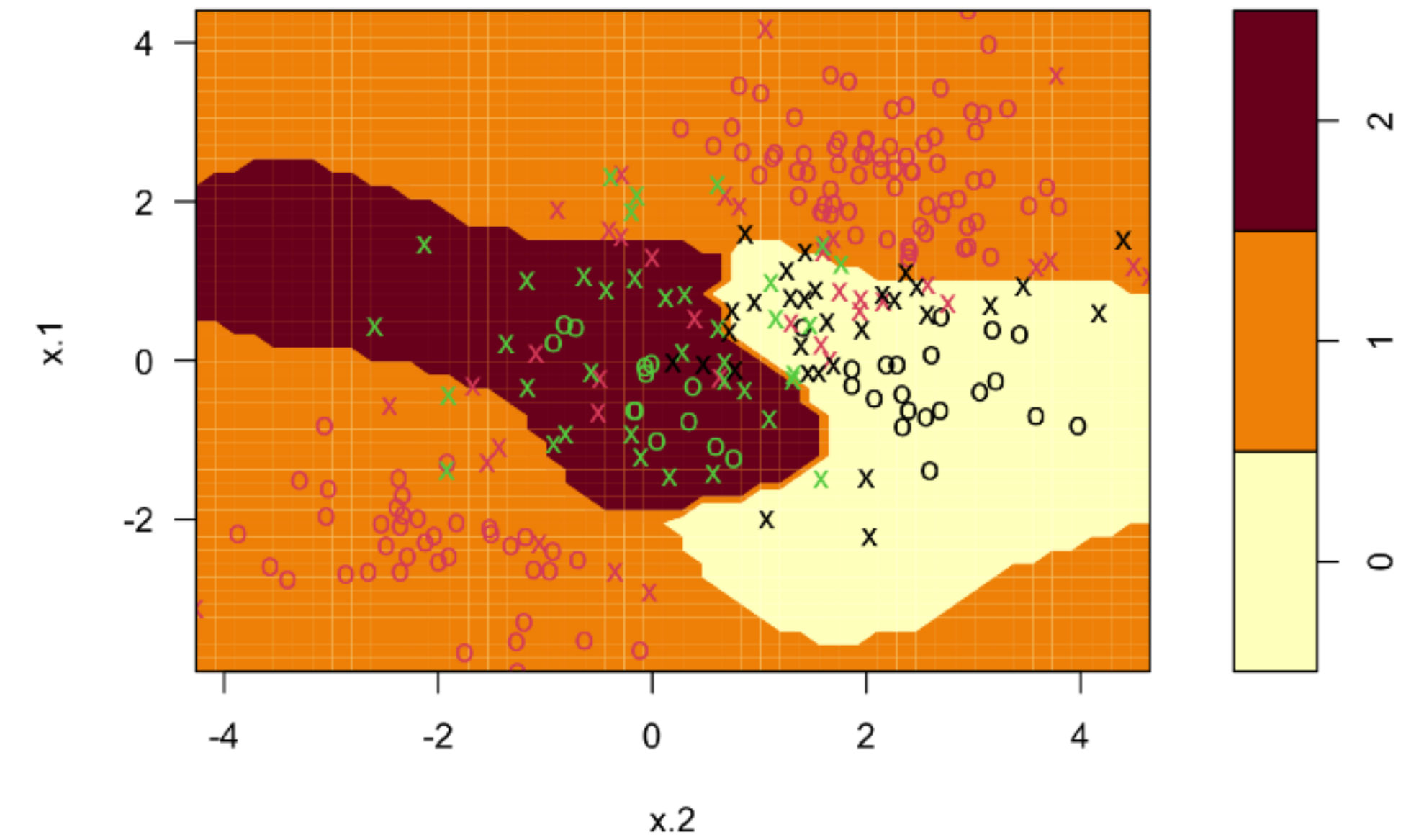
This Week's Practical

Support Vector Machines

SVM classification plot



SVM classification plot



Test Data

