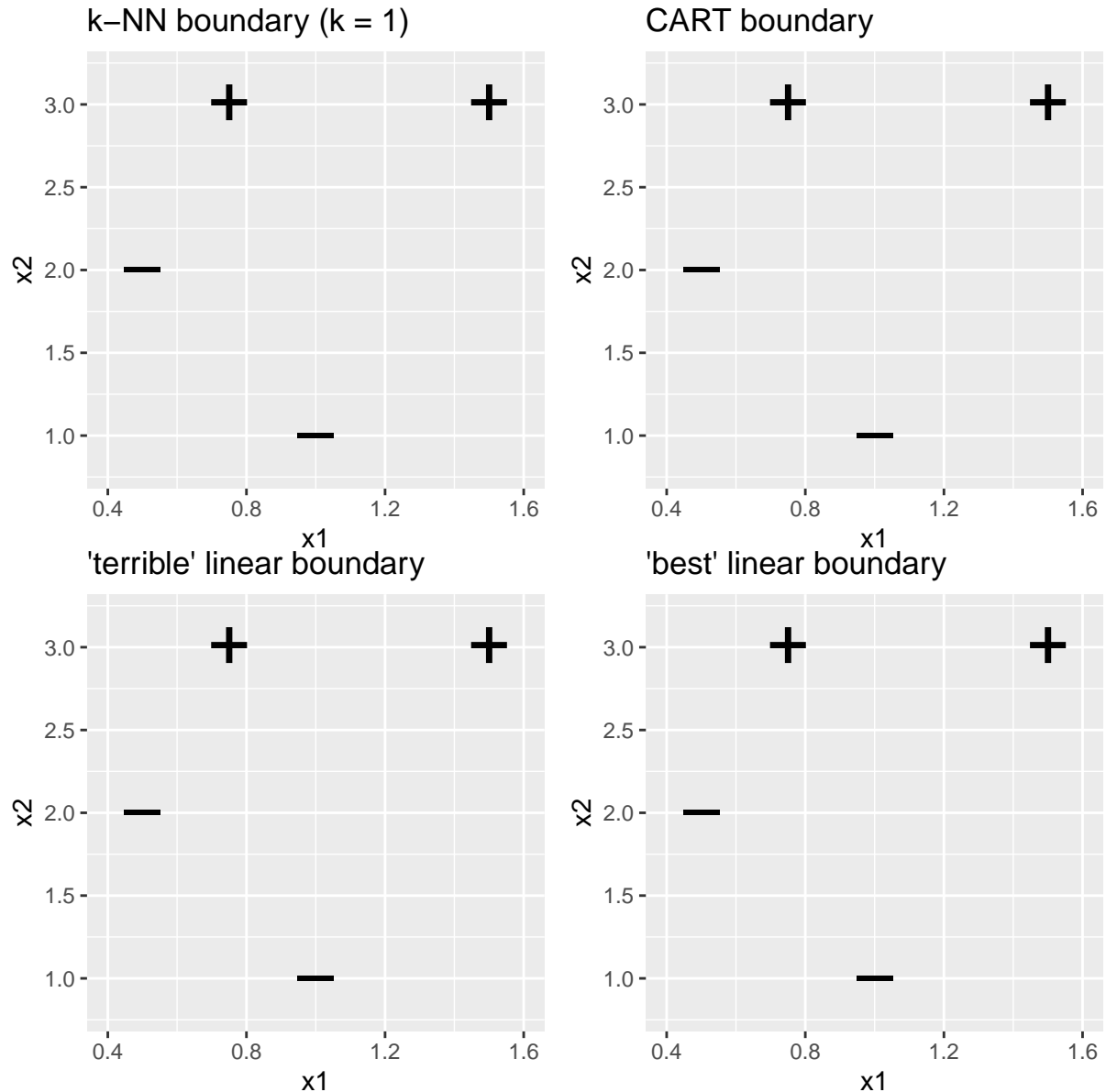# WU #16 - Support Vector Machines 1

Math 154 - Jo Hardin
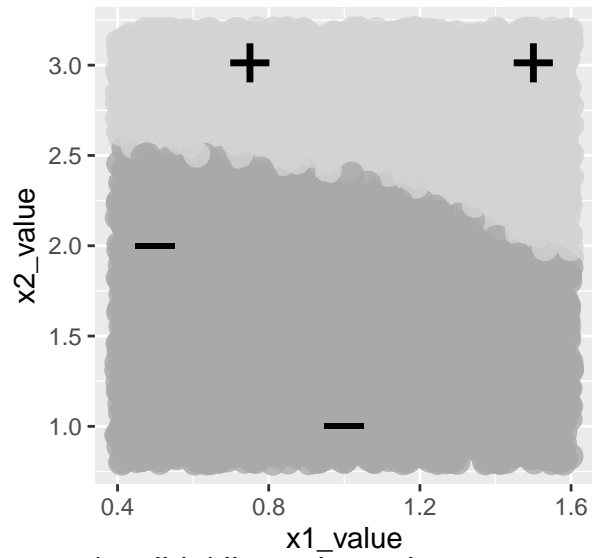
Tuesday, November 9, 2021

Name: _____

Consider the following 4 data points in R^2, drawn on four separate coordinate systems. On each plot approximate the boundary which would be created by the given method (where the boundary does perfectly separate the two classes).
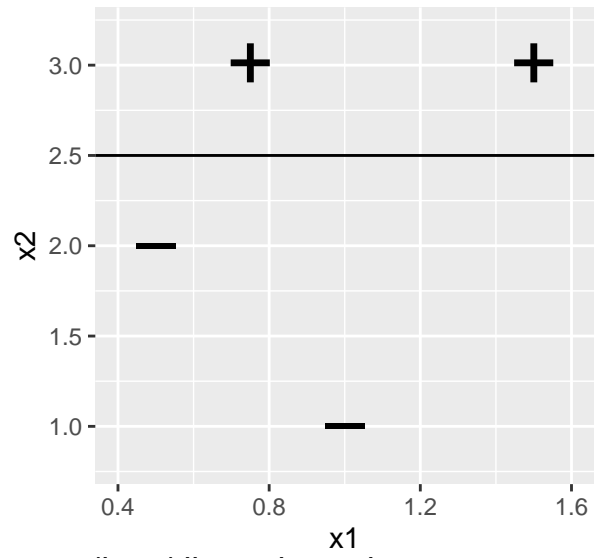
Solution

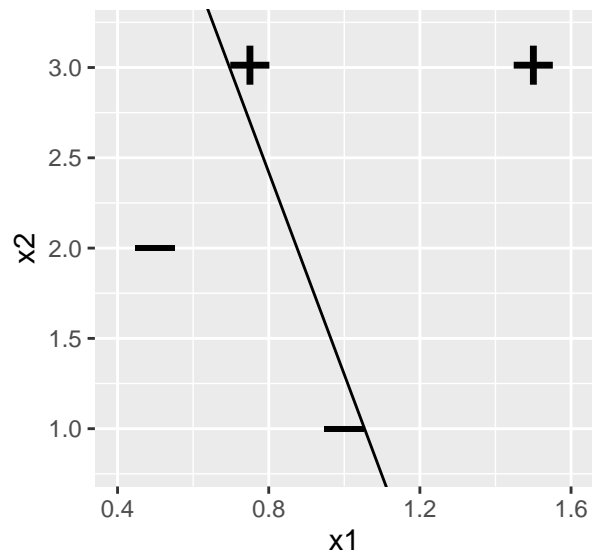k–NN boundary (k = 1)

CART boundary

'terrible' linear boundary

'best' linear boundary