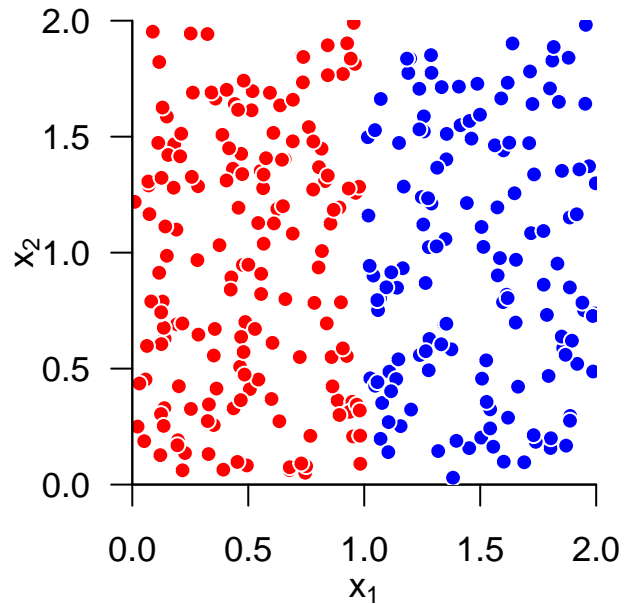
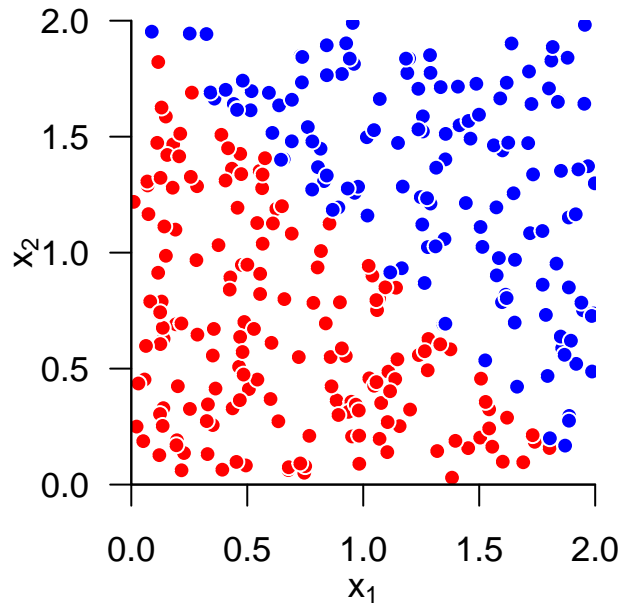


$$x_1 > 1 \iff y = 1$$



$$x_1 + x_2 > 2 \iff y = 1$$



$$x_1^2 + x_2^2 > 2 \iff y = 1$$

