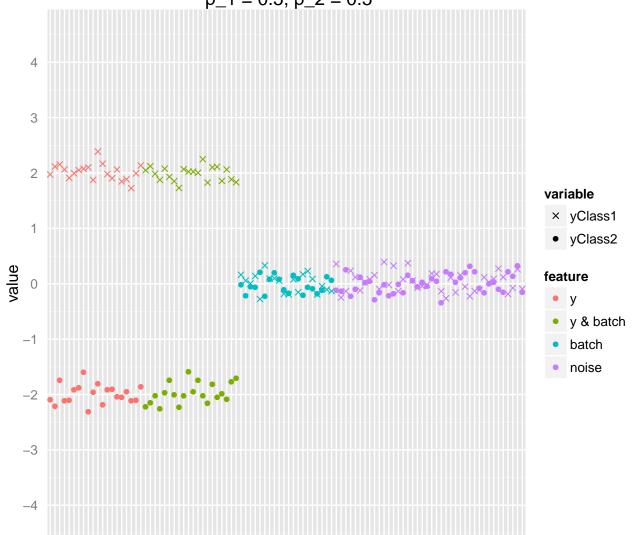Estimation of primary effects before adjustment
pi_1 = 0.5, pi_2 = 0.5
p_1 = 0.5, p_2 = 0.5