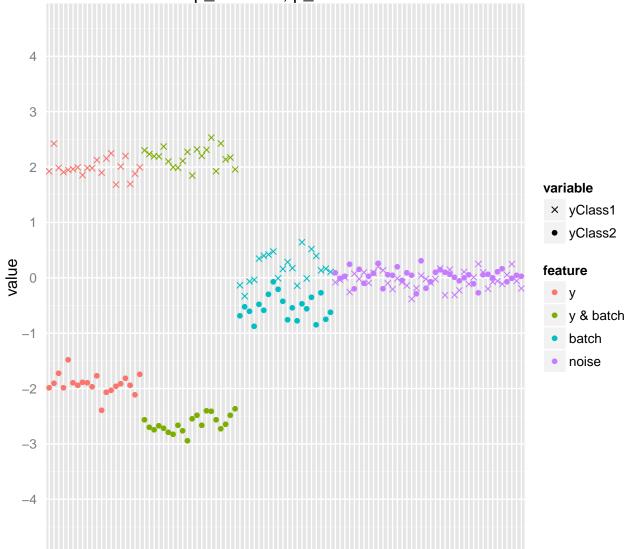Estimation of primary effects before adjustment
pi_1 = 0.55, pi_2 = 0.35
p_1 = 0.45, p_2 = 0.55