Occupancy probability (red) and realized presence/absence (black circles)

psi

Site covariate (Xsite)
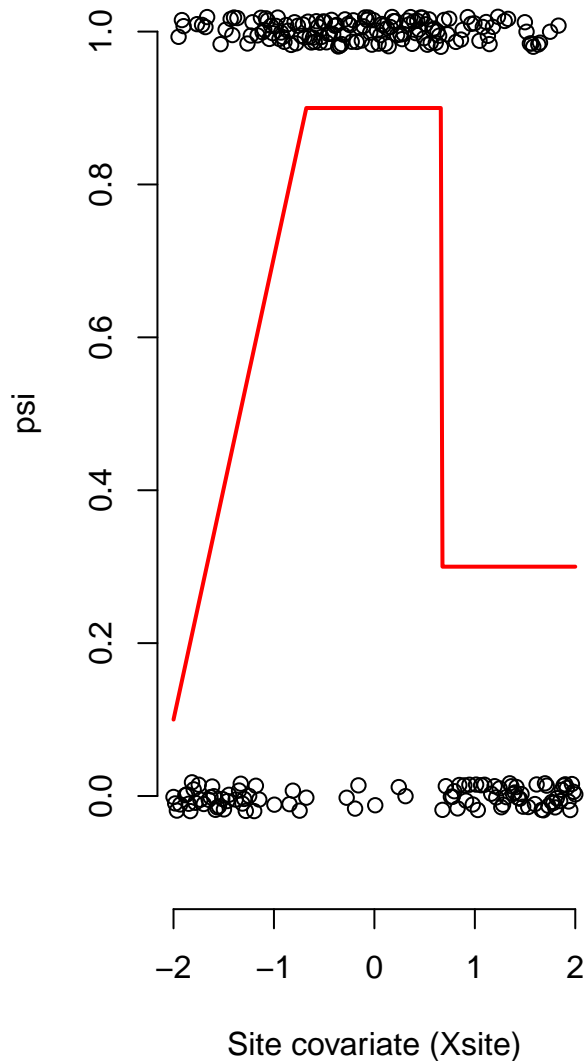
Detection probability (red) and observed data (black circles)

p

Survey covariate (Xsurvey)