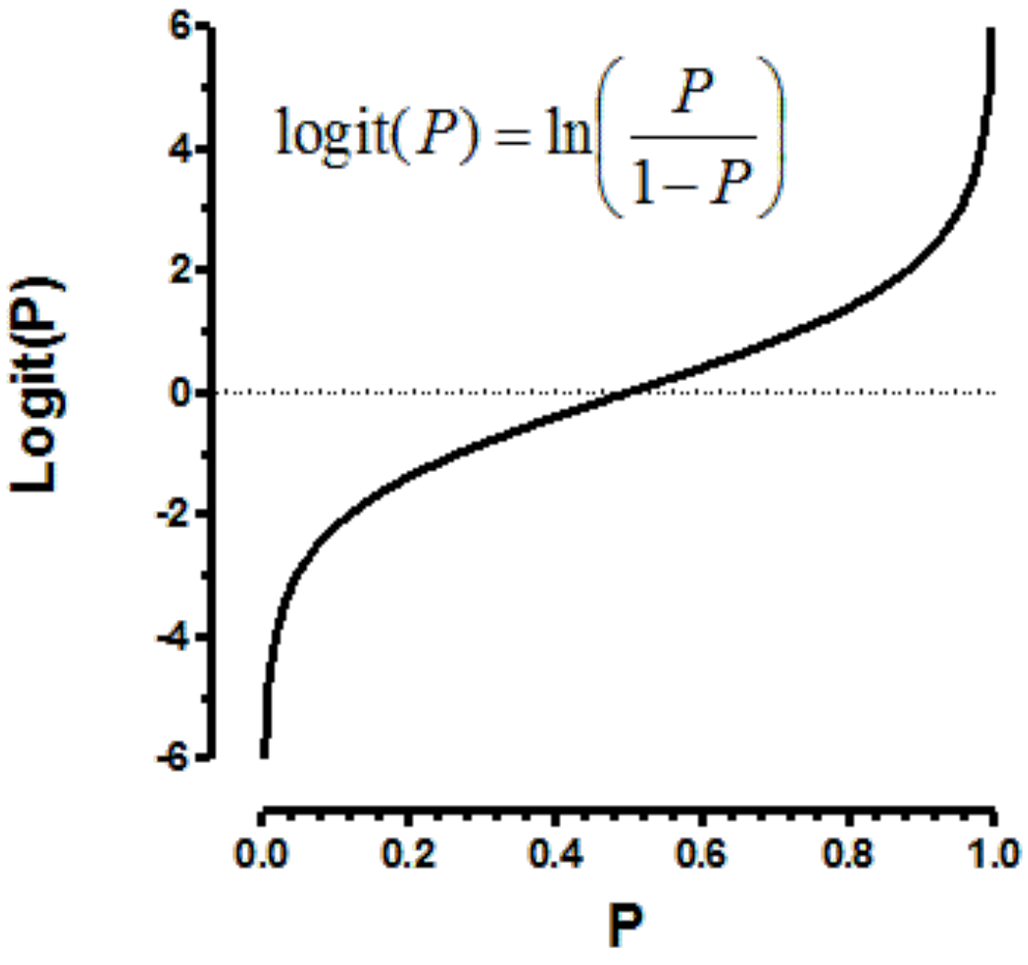
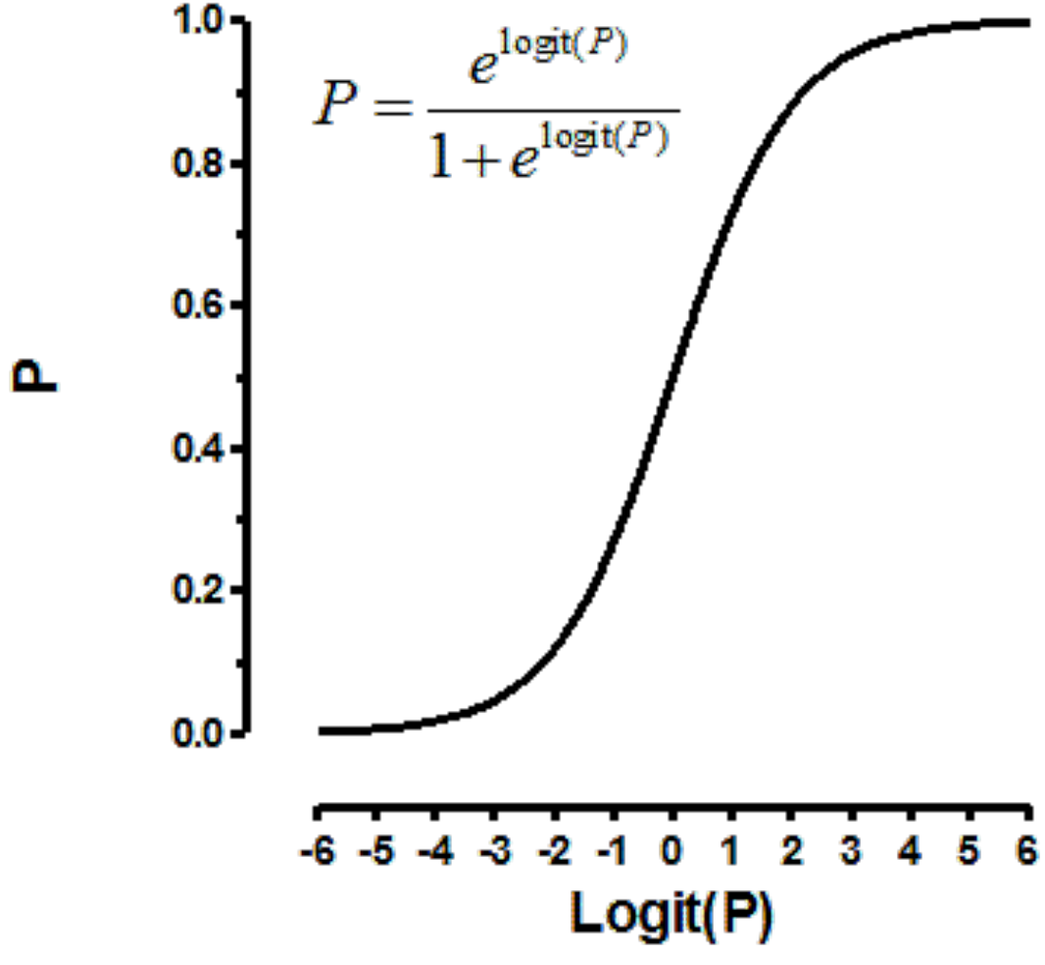
INITIAL MODEL LIKELIHOOD

Outcome: L_i = pulled left

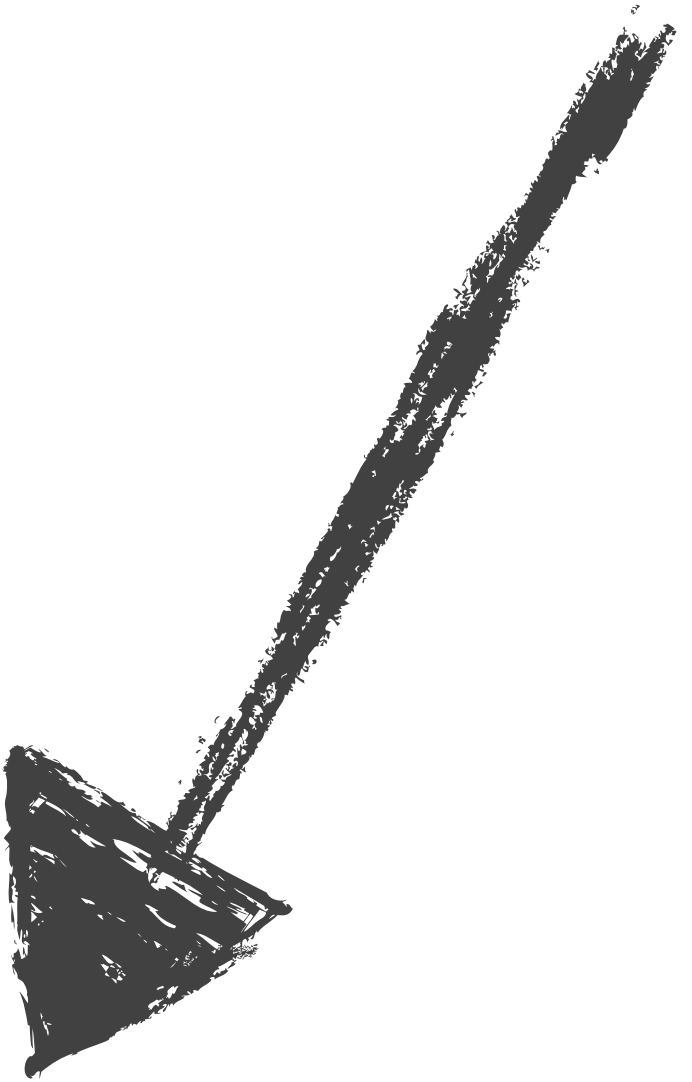
$$L_i \sim Bernoulli(p_i)$$

$$logit(p_i) = \alpha_{actor[i]} + \beta_{treatment[i]}$$

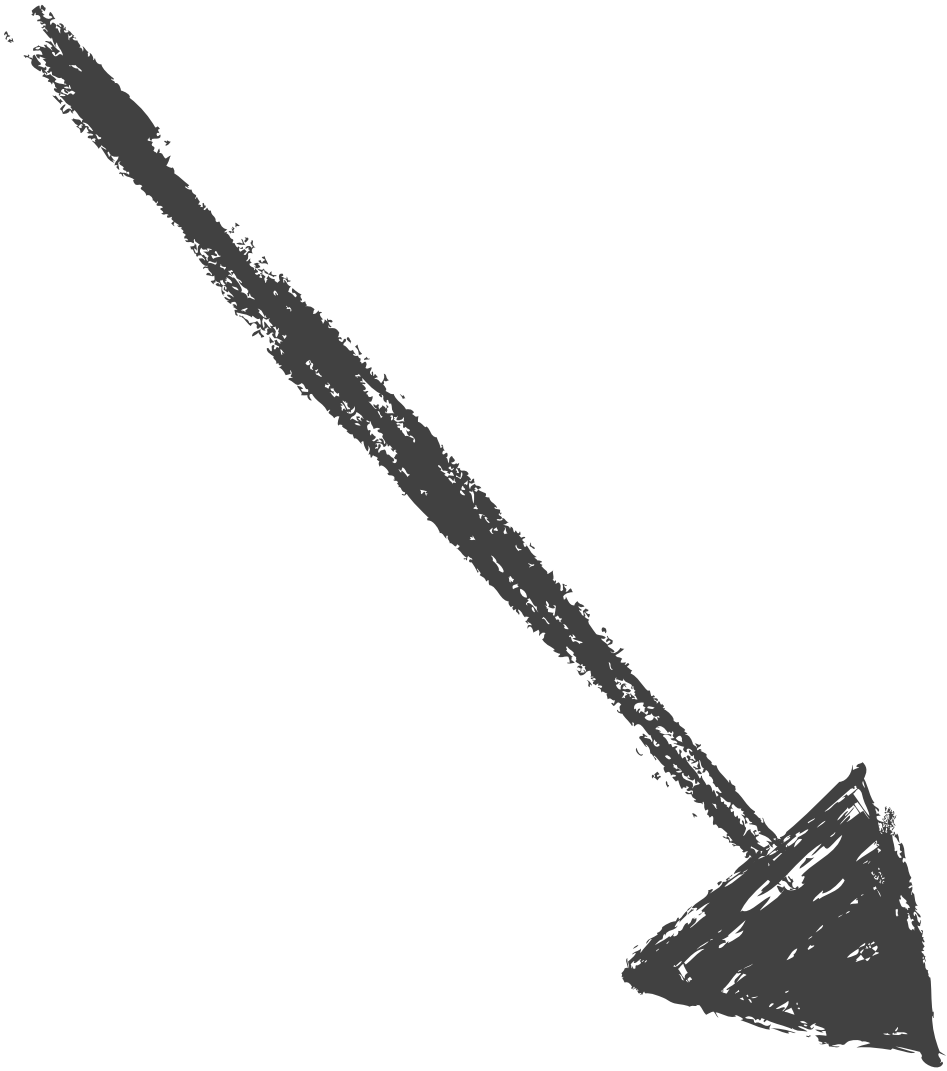

$\text{logit}(P) = \ln\left(\frac{P}{1-P}\right)$
Logit(P)
6
4
2
0
-2
-4
-6
0.0
0.2
0.4
0.6
0.8
1.0
P


$P = \frac{e^{\text{logit}(P)}}{1+e^{\text{logit}(P)}}$
P
1.0
0.8
0.6
0.4
0.2
0.0
-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6
Logit(P)

Logit(x) recap



Accounts for the actor handedness



Measures prosocial treatment effect

INITIAL MODEL LIKELIHOOD

Outcome: L_i = pulled left

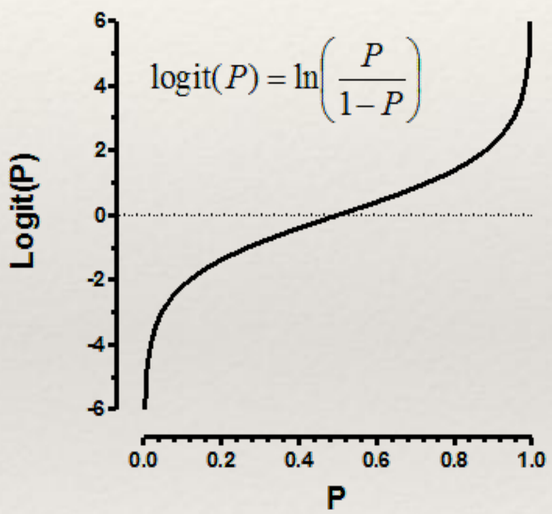
$$L_i \sim Bernoulli(p_i)$$

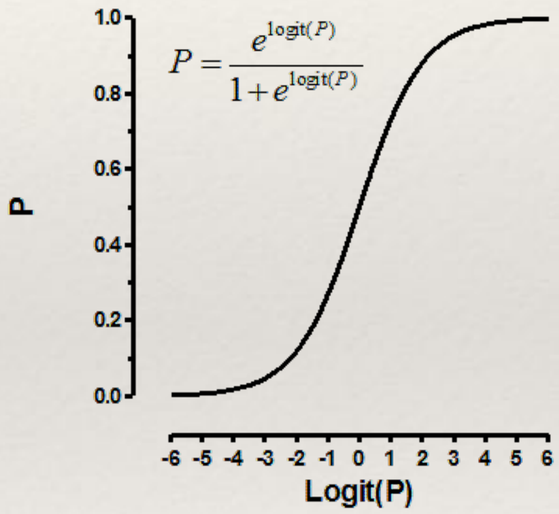
$$logit(p_i) = \alpha_{actor[i]} + \beta_{treatment[i]}$$

Accounts for the actor handedness

Measures prosocial treatment effect

Logit(x) recap





MODEL WITH BLOCK EFFECTS

Outcome: L_i = pulled left

$$L_i \sim Bernoulli(p_i)$$

$$logit(p_i) = \alpha_{actor[i]} + \gamma_{block[i]} + \beta_{treatment[i]}$$