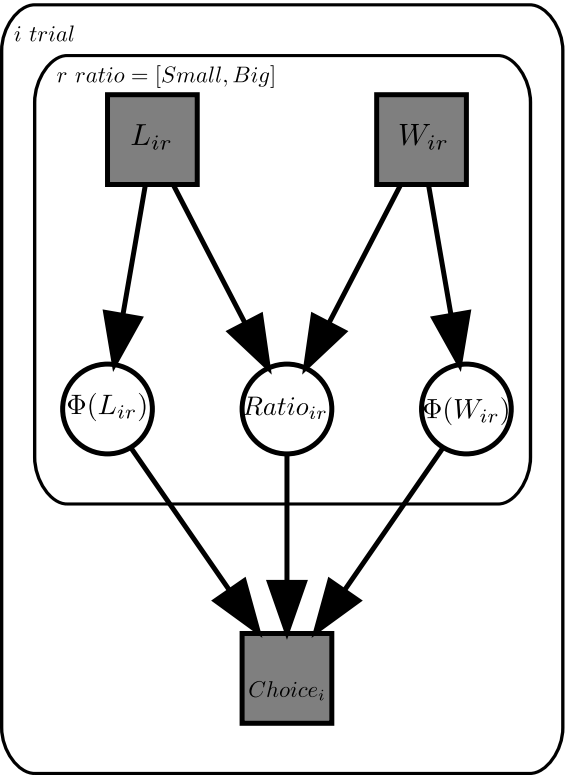
Whole Number Bias



$$\Phi(W_{ir}) \sim N(W_{ir}, Weber \times W_{ir})$$
$$\Phi(L_{ir}) \sim N(L_{ir}, Weber \times L_{ir})$$
$$Ratio_{ir} \sim Beta(W_{ir} + 1, L_{ir} + 1)$$
$$Choice_i \sim Bernoulli(pSM_i)$$
$$pSM_i = \frac{e^{f_{iB}}}{e^{f_{iB}} + e^{f_{iS}}}$$
$$f_{ir} = \beta_1 \Phi(W_{ir}) + \beta_2 \Phi(L_{ir}) + \beta_3 Ratio_{ir}$$
$$\beta_{numcues}(-5, 5)$$
$$\beta_{ratiocue}(0, 5)$$