NON-CENTERED CHIMP MODEL

```
m1nc <- ulam(
  alist(
    pulled_left ~ binomial( 1 , p ) ,
    logit(p) <- a_0 + z[actor]*sigma_a +
                  x[block_id]*sigma_g +
                  b[treatment] ,
    b[treatment] ~ normal( 0 , 0.5 ),
    z[actor] ~ normal( 0 , 1 ),
    x[block_id] ~ normal( 0 , 1 ),
    a_0 ~ normal( 0 , 1.5 ),
    sigma_a ~ exponential(1),
    sigma_g ~ exponential(1),
    gq> vector[actor]:a <<- a_0 + z*sigma_a, # actor intercepts
    gq> vector[block_id]:g <<- x*sigma_g     # block intercepts
  ) , data=dat_list , chains=4 , cores=4 )
```

OTHER MIXED MODEL TYPES