

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) ,  
    gg> vector[actor]:a <- a_0 + z*sigma_a, # actor intercepts  
    gg> vector[block_id]:g <- x*sigma_g      # block intercepts  
  ) , data=dat_list , chains=4 , cores=4 )
```

OTHER MIXED MODEL TYPES