

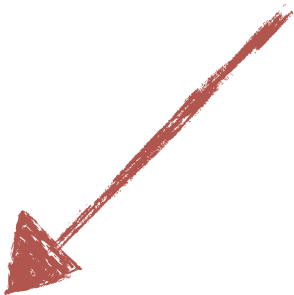




PROSOCIALCHAMPMODELCODE

```
## Model
m1 <- ulam(
  alist(
    pulled_left ~ binomial( 1 , p ) ,
    logit(p) <- a[actor] + g[block_id] + b[treatment] ,
    b[treatment] ~ normal( 0 , 0.5 ),
    ## regularizing multi level priors
    a[actor] ~ normal( a_0 , sigma_a ),
    g[block_id] ~ normal( 0 , sigma_g ),
    ## hyper-priors
    a_0 ~ normal( 0 , 1.5 ),
    sigma_a ~ exponential(1),
    sigma_g ~ exponential(1)
  ) , data=dat_list , chains=4 , cores=4 , log_lik=TRUE )
```

Exercise: add a regularizing prior to the treatment effects






# PROSOCIAL CHIMP MODEL CODE

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# PROSOCIAL CHIMP MODEL RESULTS