

```

model{
  beta ~ dnorm(0,.0001)
  sigma ~ dunif(0,50)
  tau.p <- 1/sigma^2
  g0 ~ dnorm(0,.0001)
  g1 ~ dnorm(0,.0001)
  varsigma ~ dunif(0,50)
  tau.g <- 1/varsigma^2
  for (i in 1:length(y)){
    mu[i] <- alpha[group[i]]+ beta*x[i]
    y[i] ~ dnorm(mu[i],tau.p)
  }
  for(j in 1:n.group){
    mu.g[j] <- g0 + g1*u[j]
    alpha[j]~dnorm(mu.g[j],tau.g)
  }
}

```