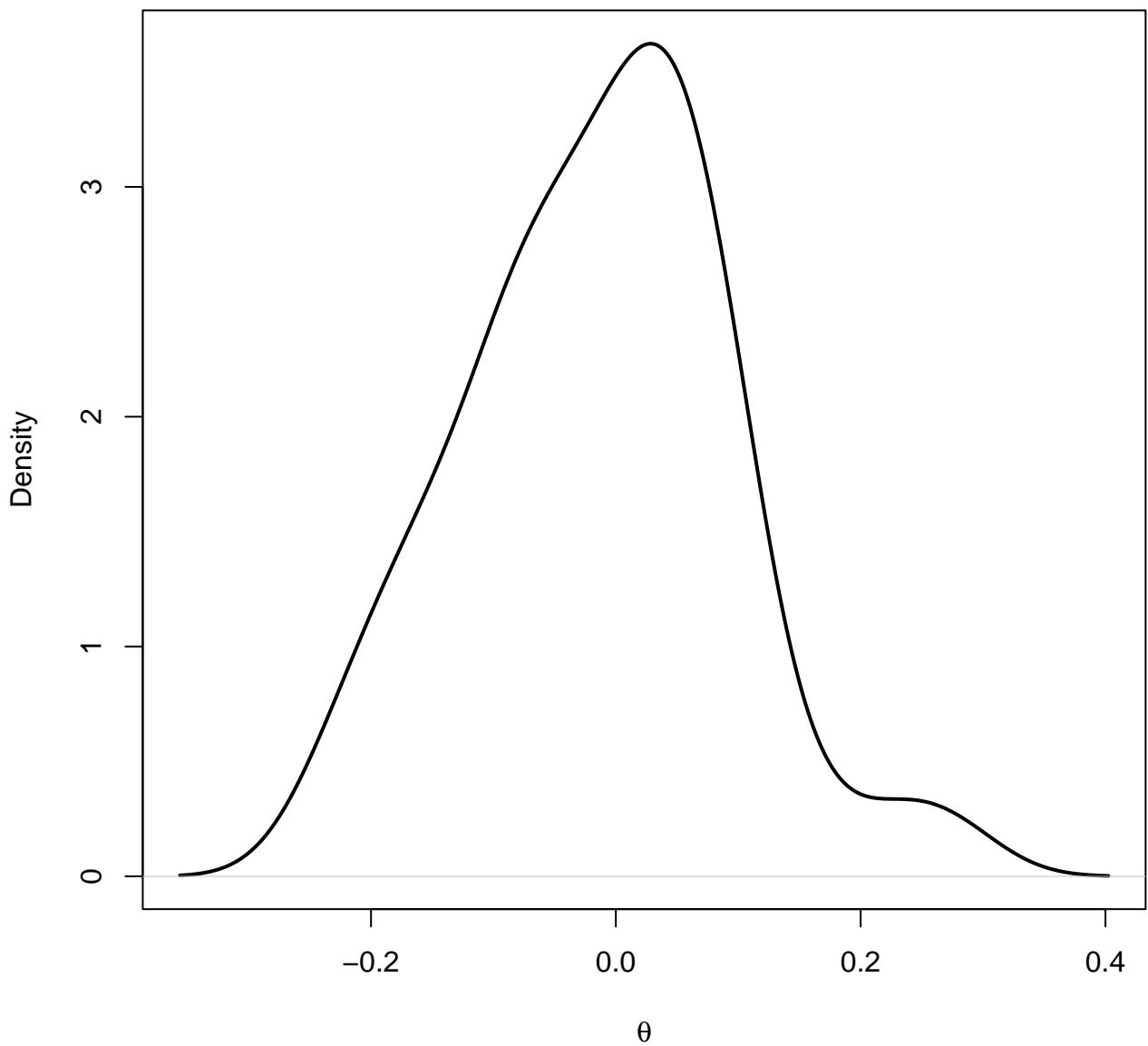
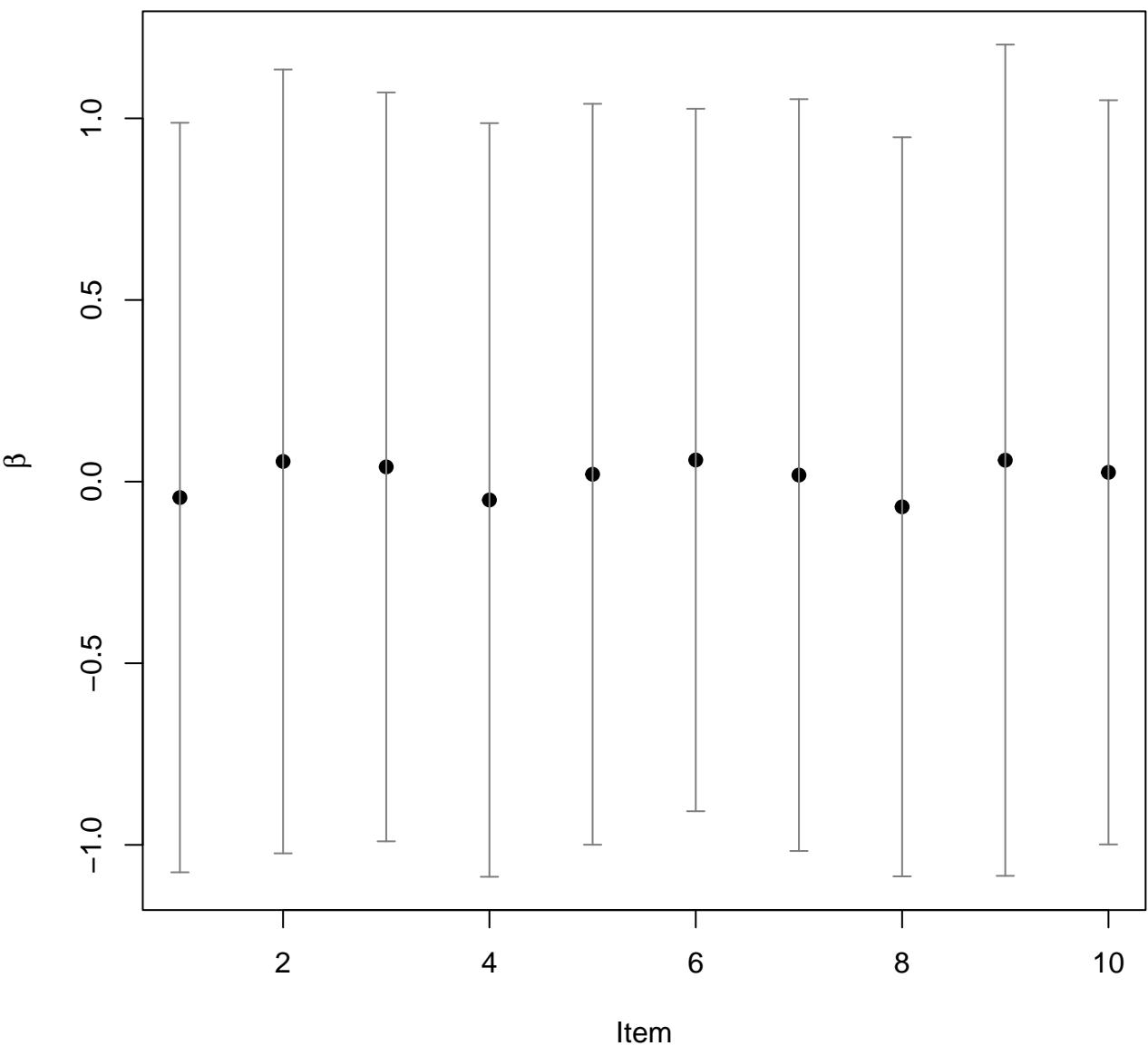


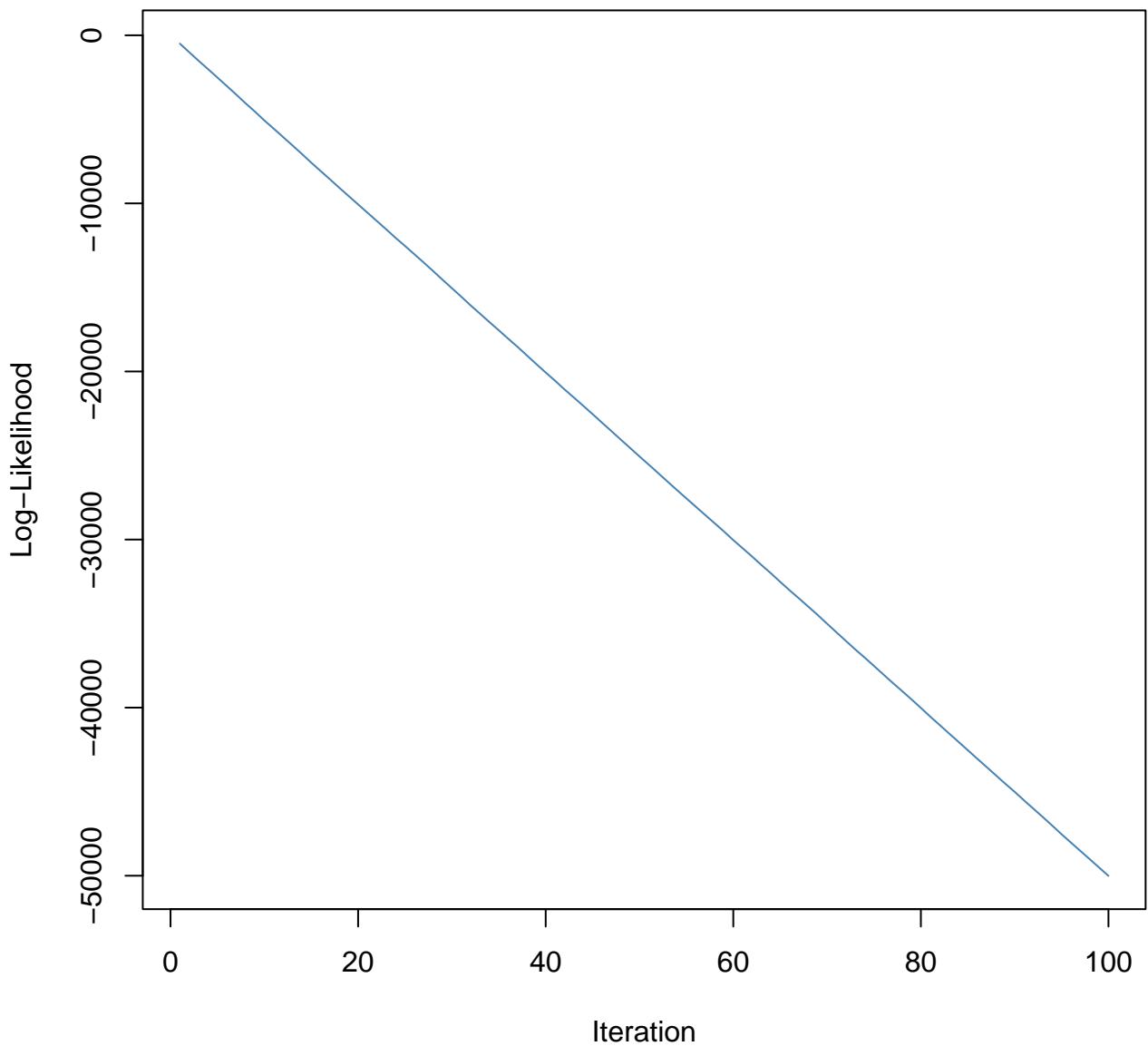
RASCH (normal) -- Posterior Mean Density



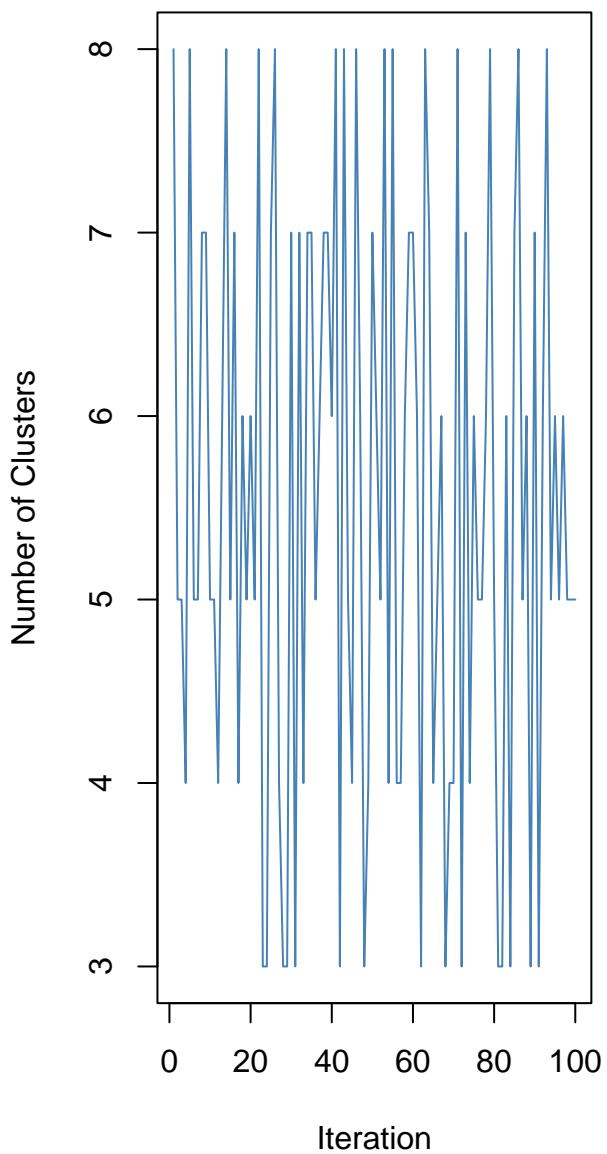
Item Difficulty Estimates



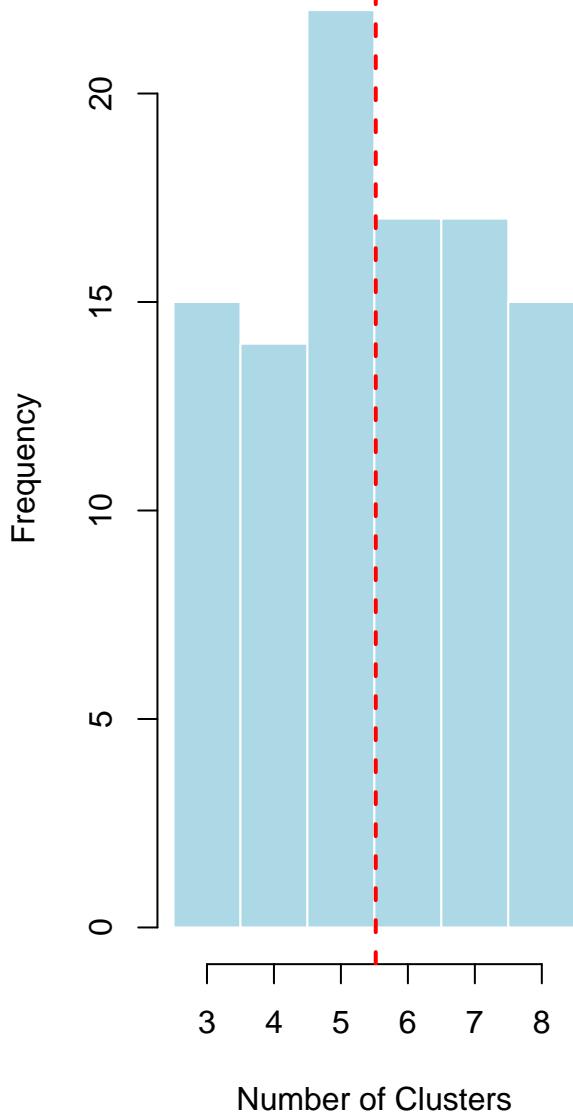
Log-Likelihood Trace



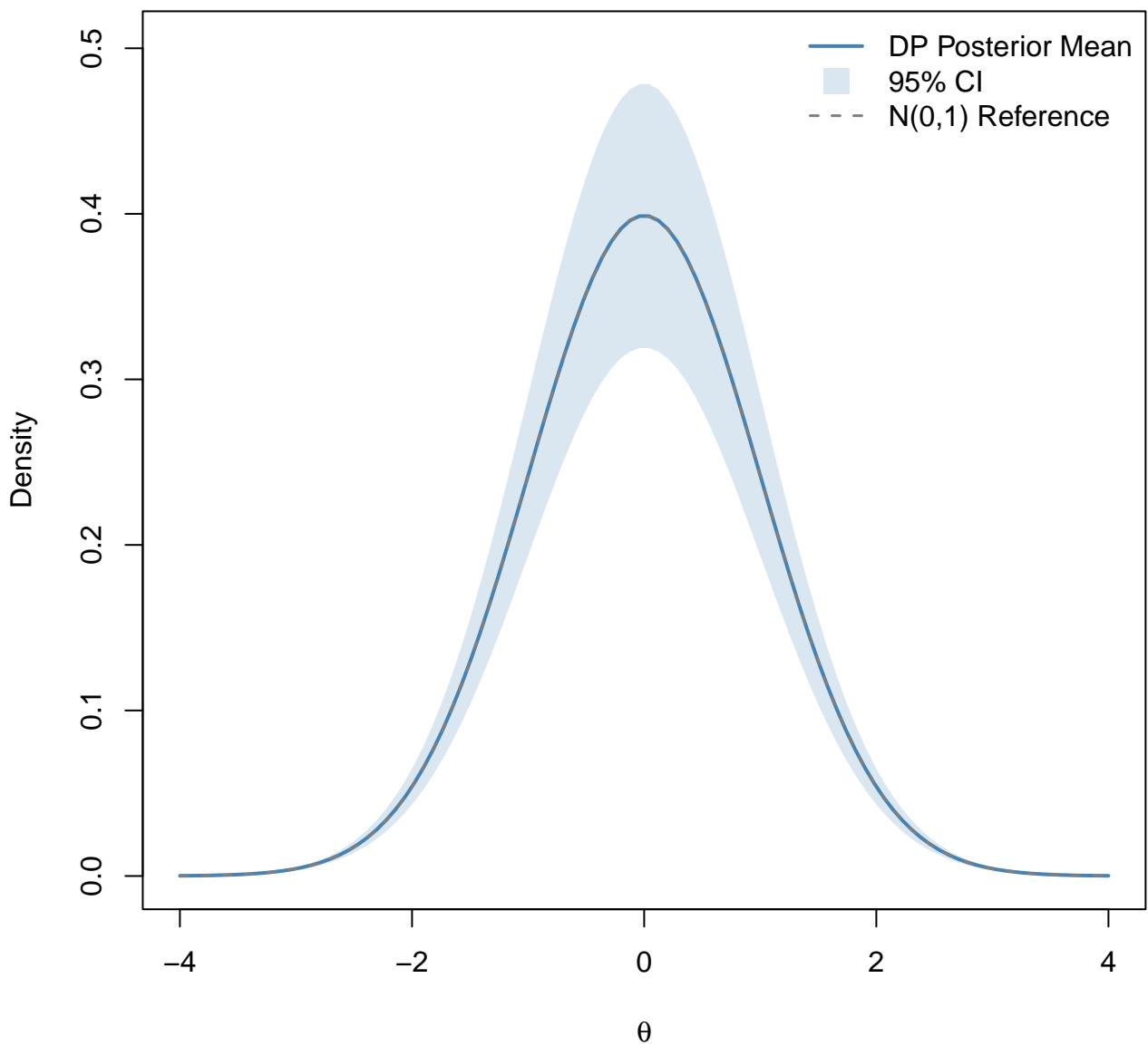
Cluster Count Trace



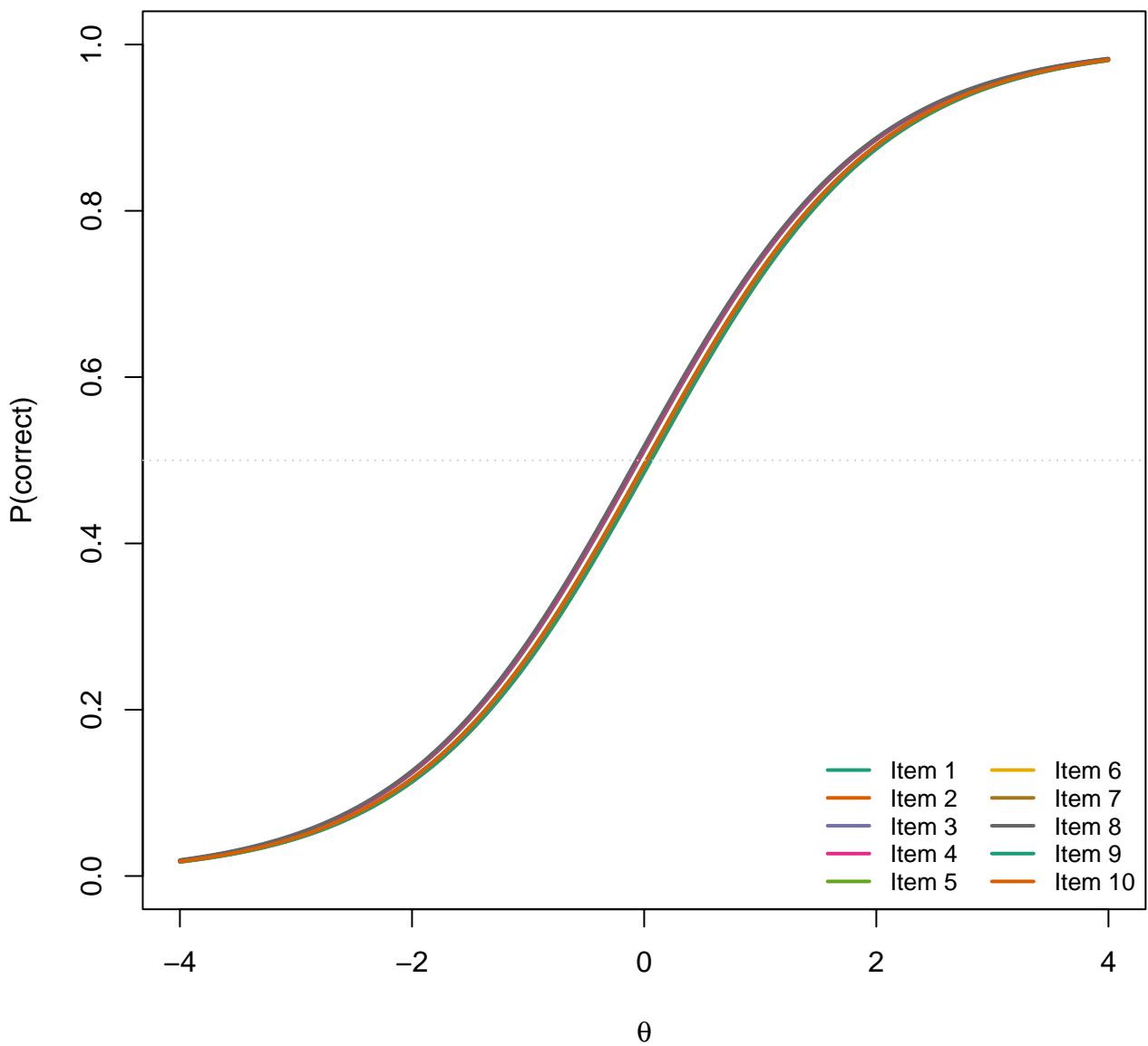
Cluster Count Distribution



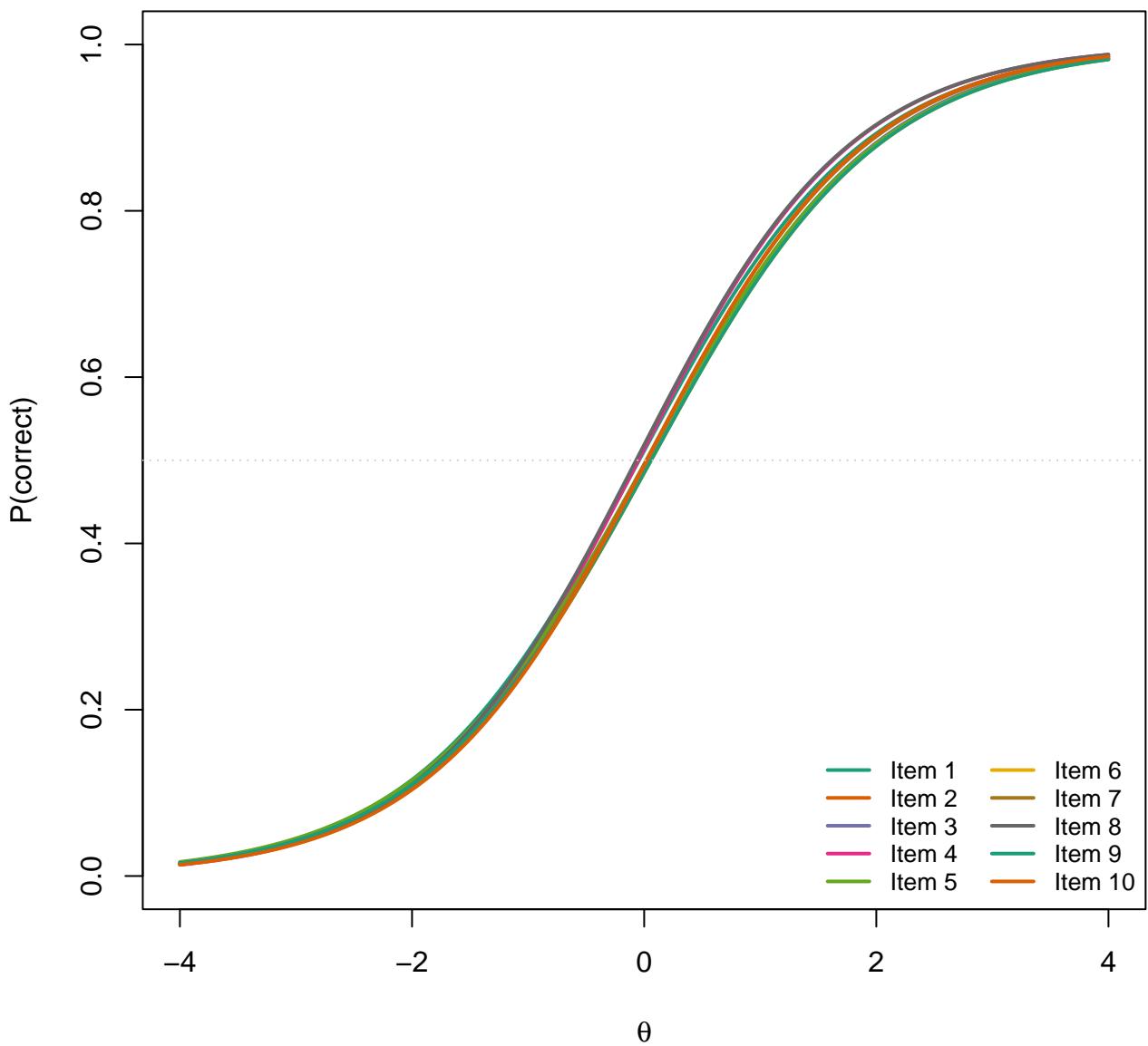
DP Mixture Density (Posterior)



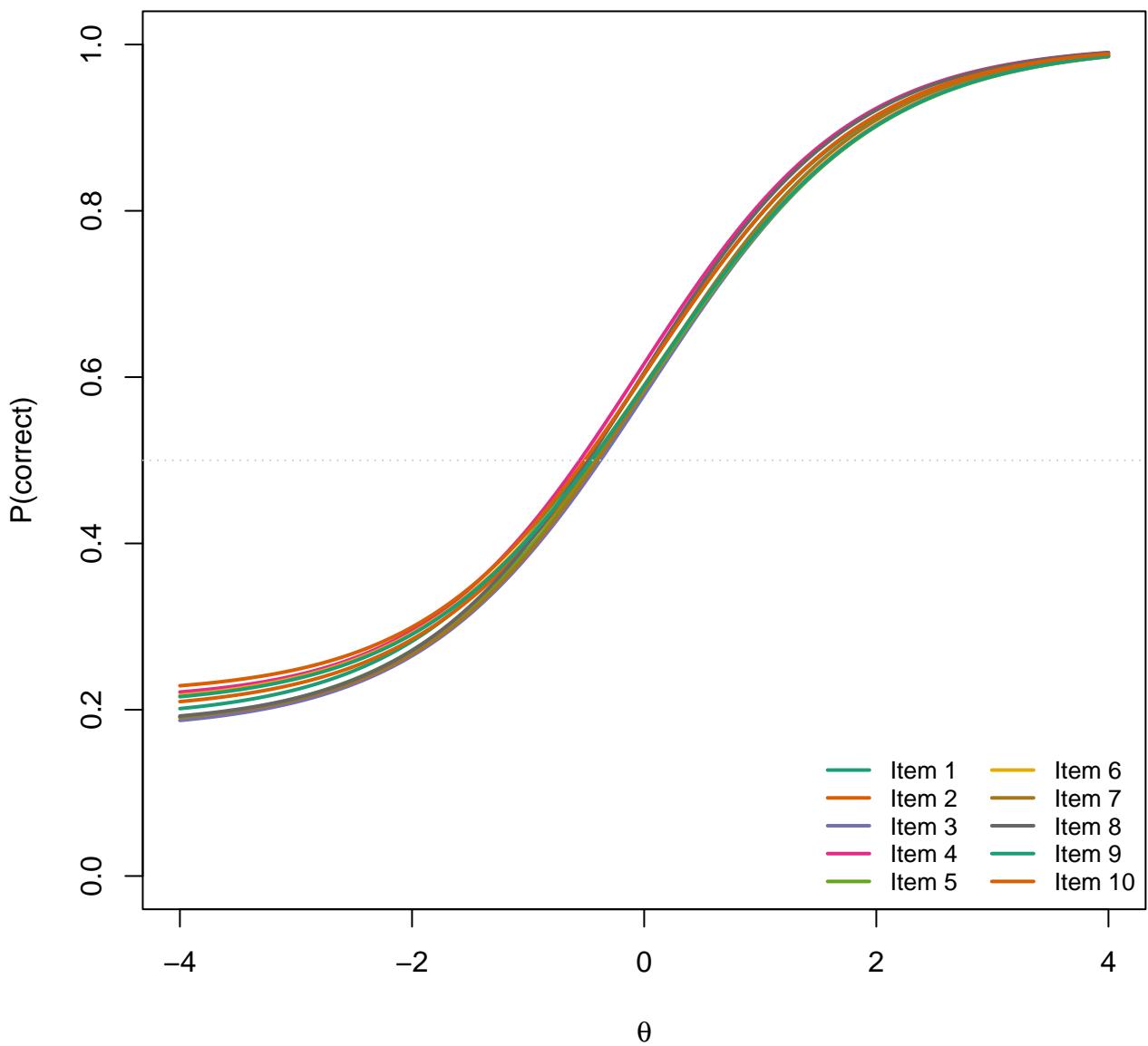
Item Characteristic Curves (RASCH)



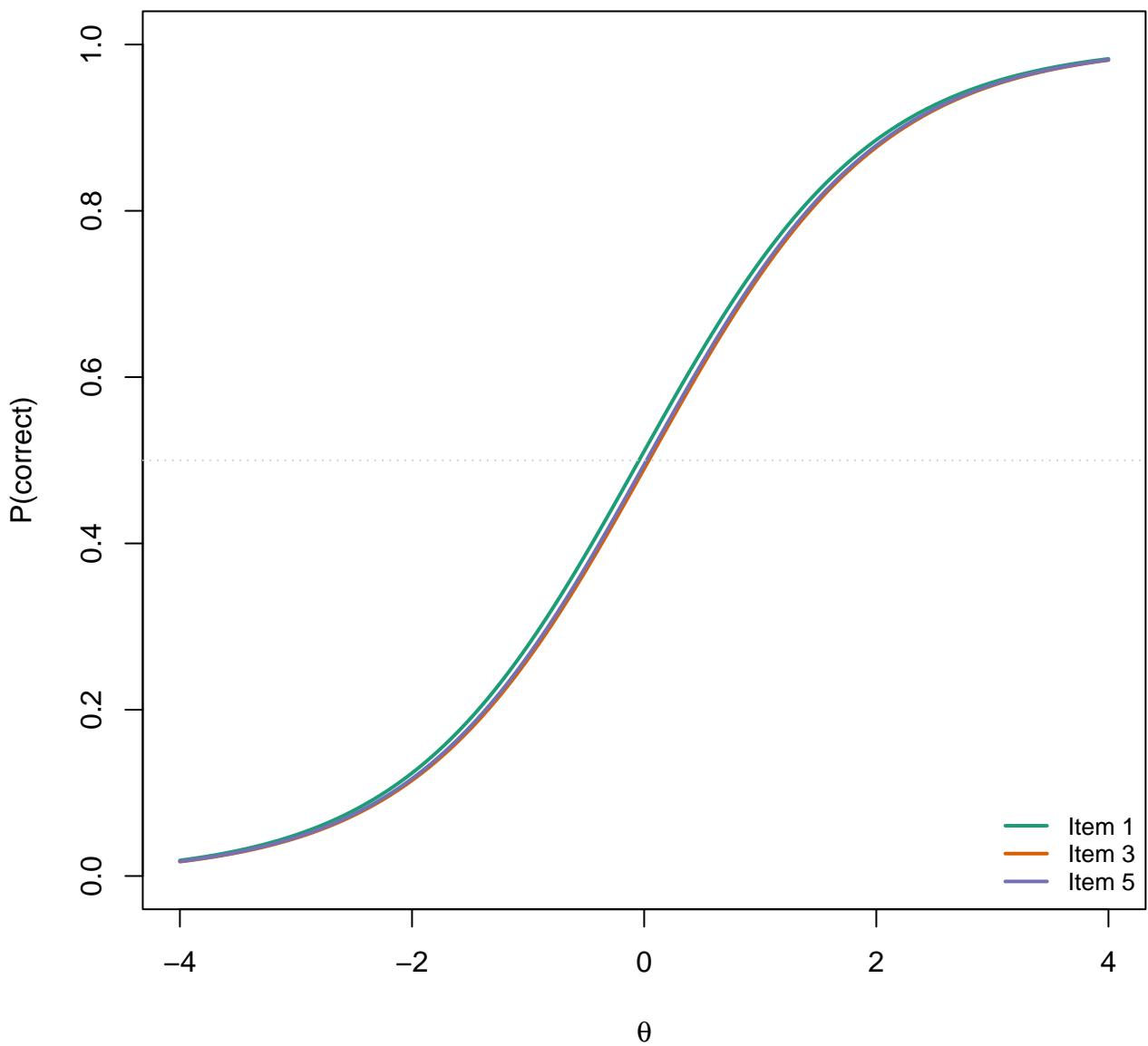
Item Characteristic Curves (2PL)



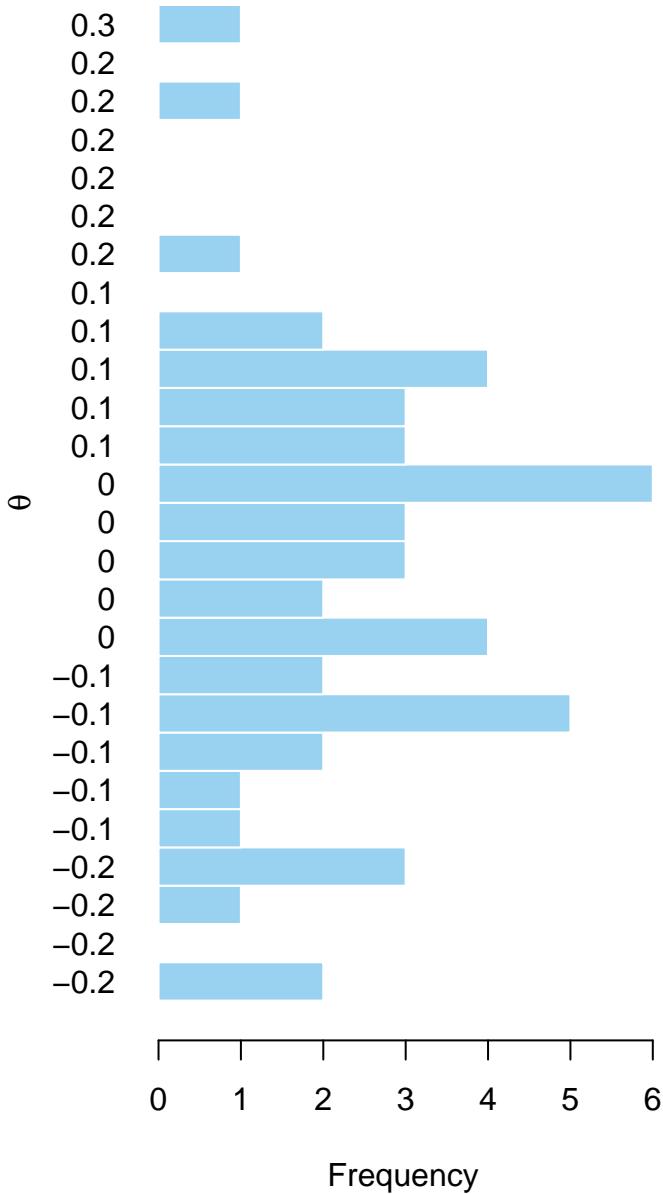
Item Characteristic Curves (3PL)



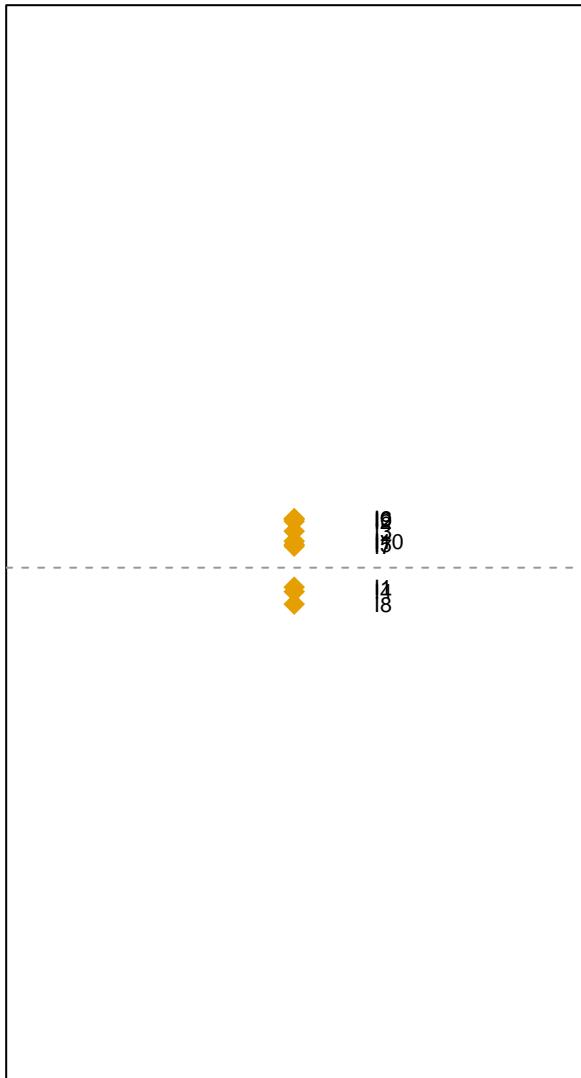
Item Characteristic Curves (RASCH)

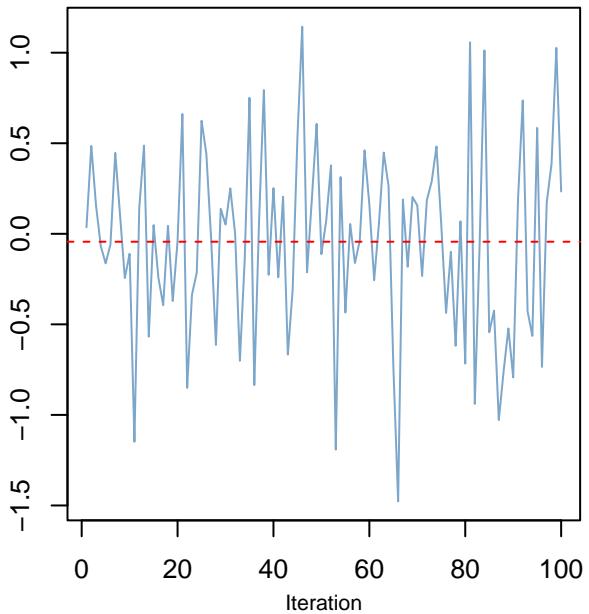
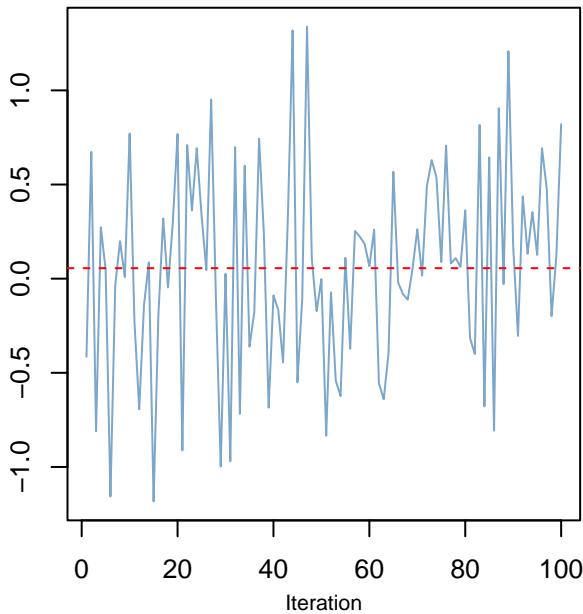
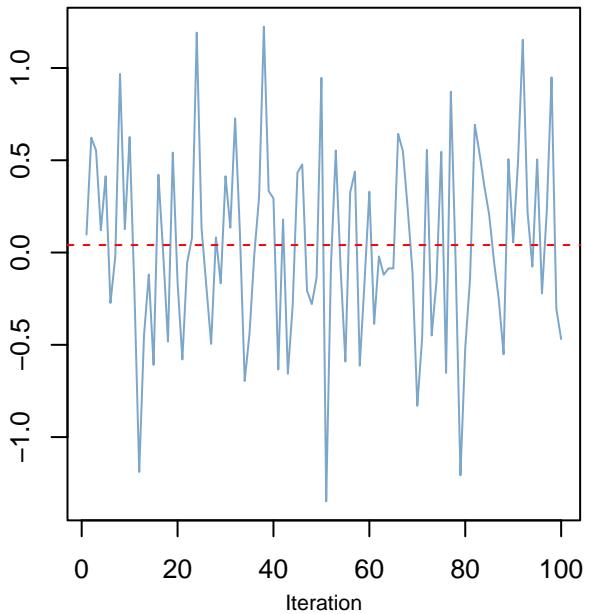
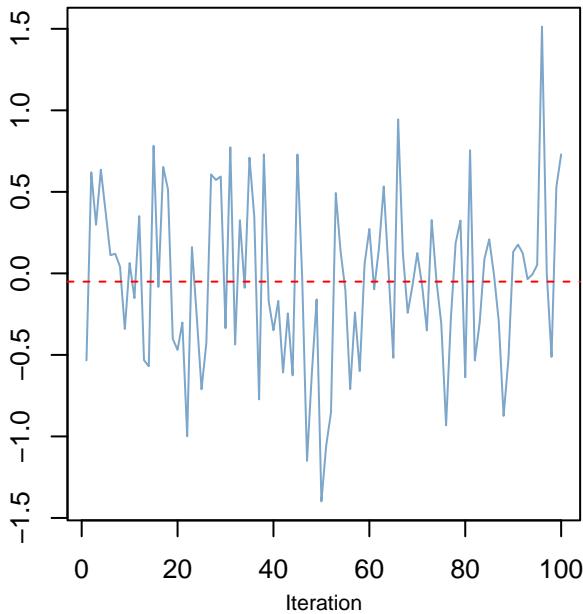


Persons

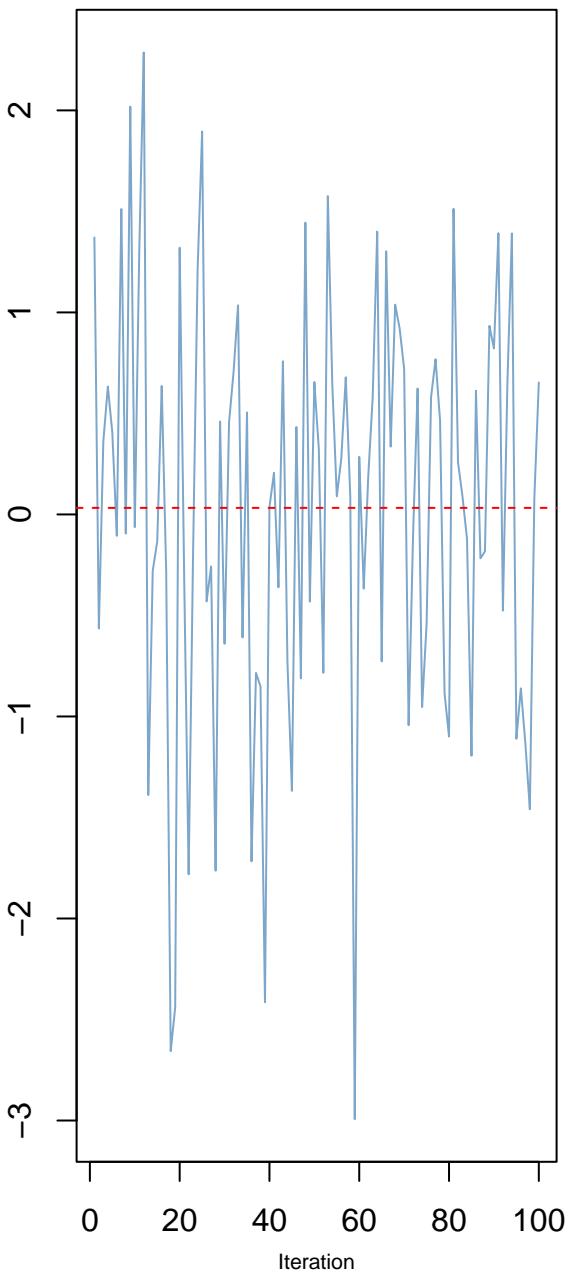


Items

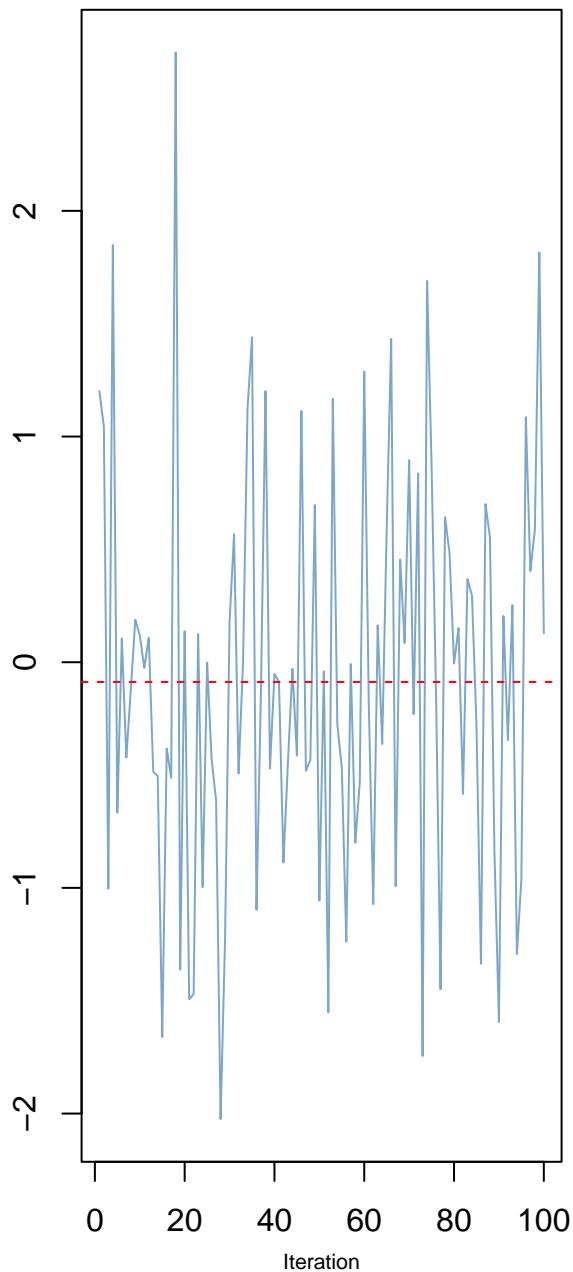


beta[1]**beta[2]****beta[3]****beta[4]**

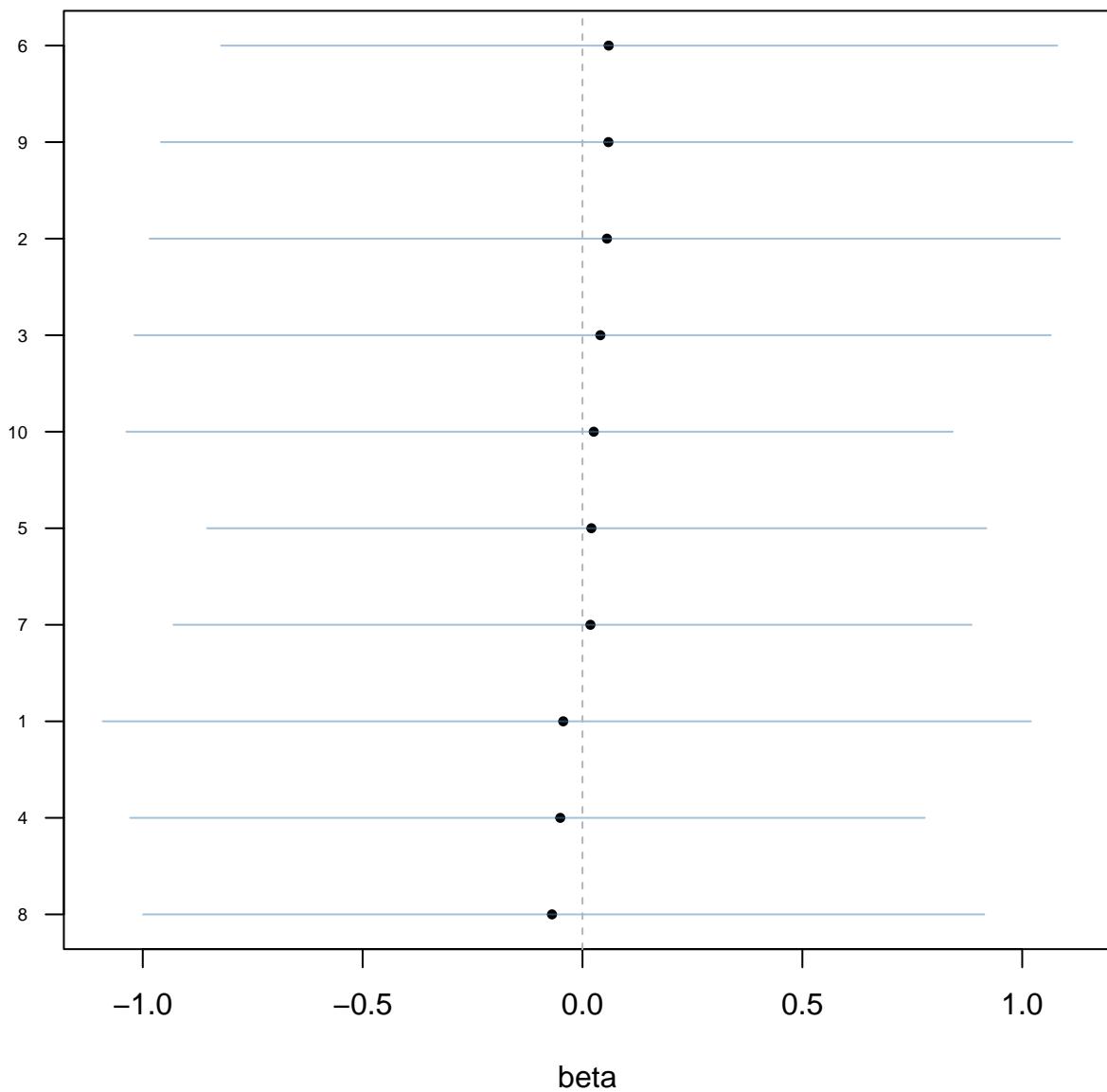
$\theta[1]$



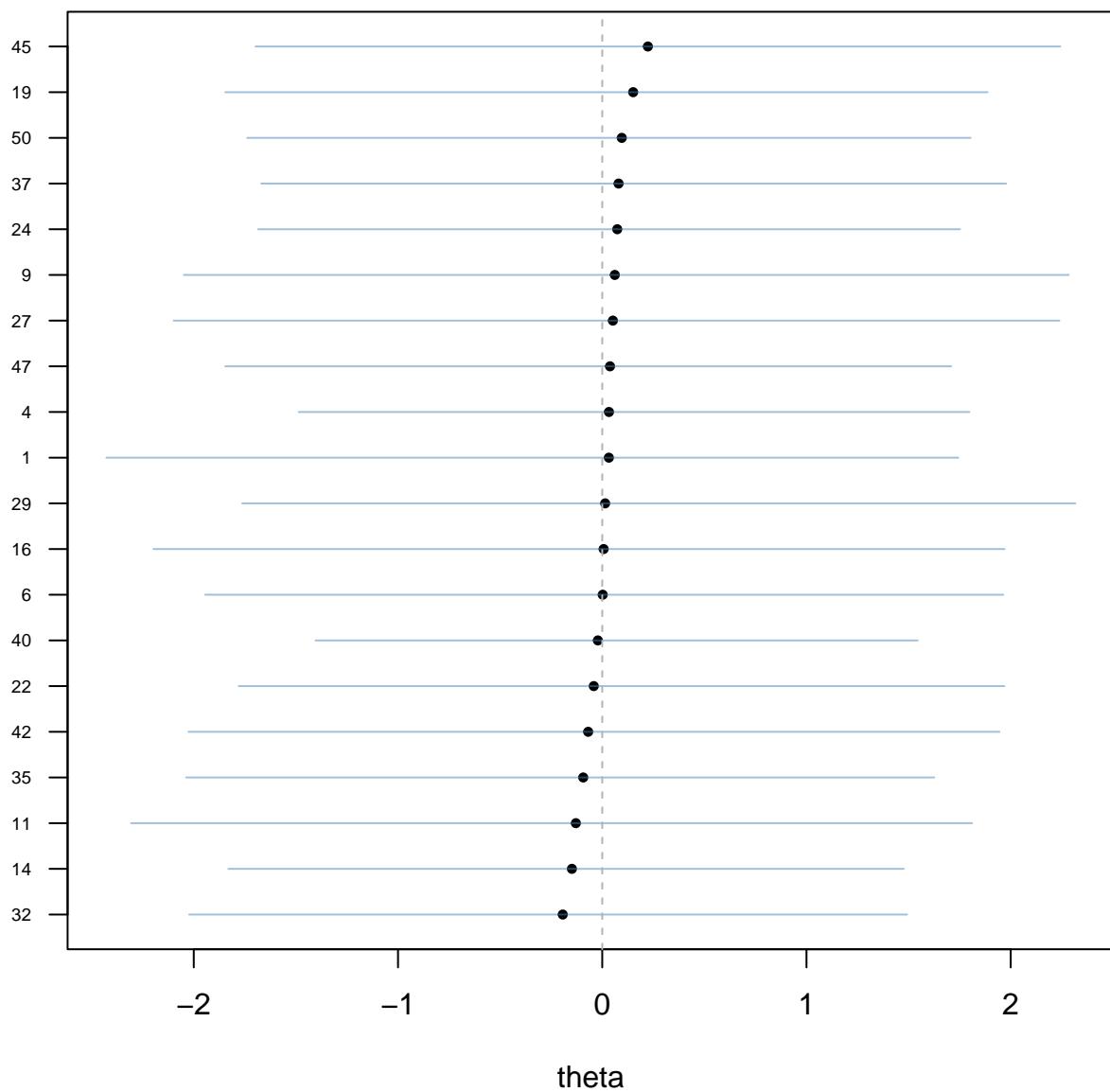
$\theta[2]$



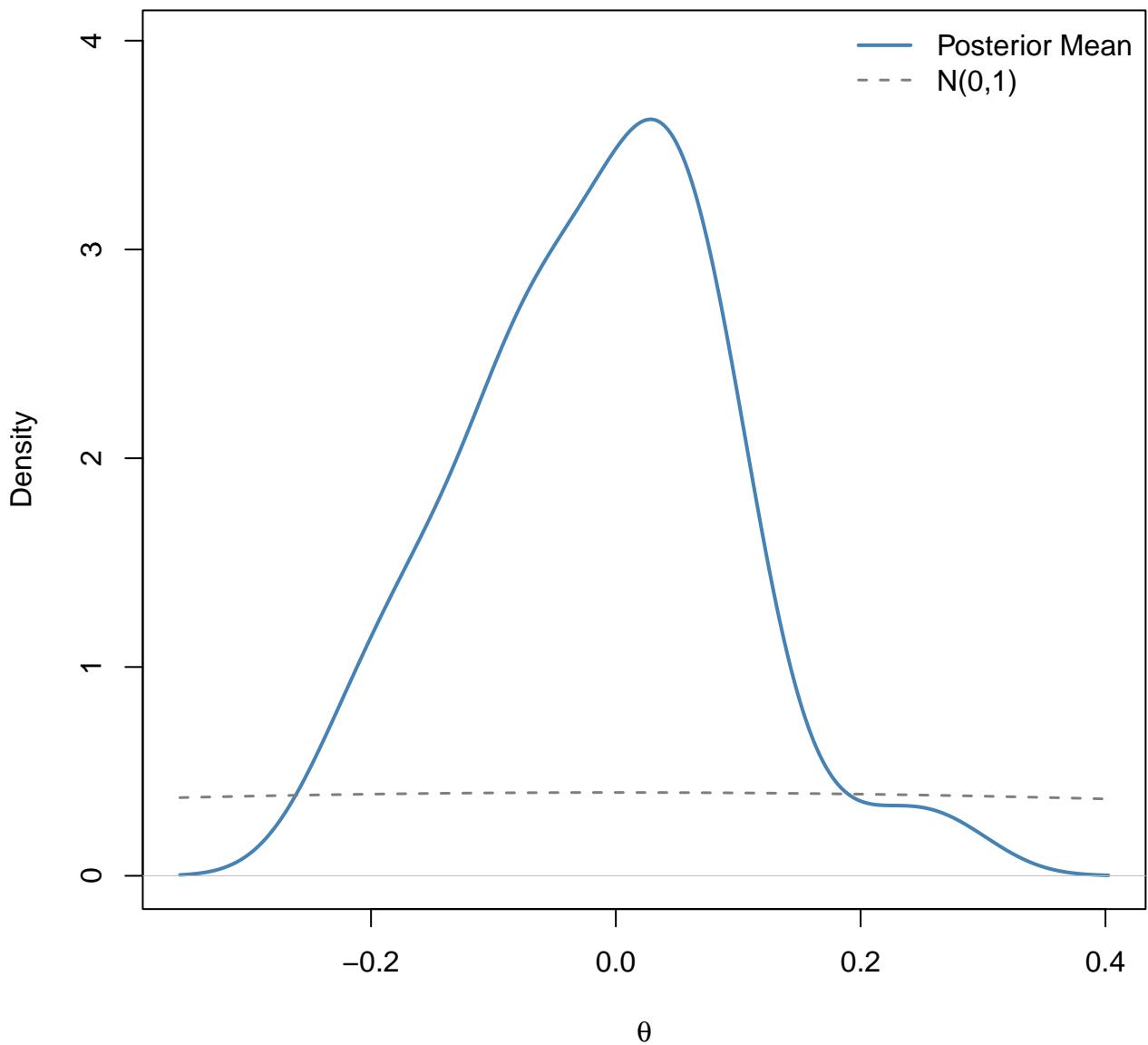
Caterpillar: beta (95% CI)



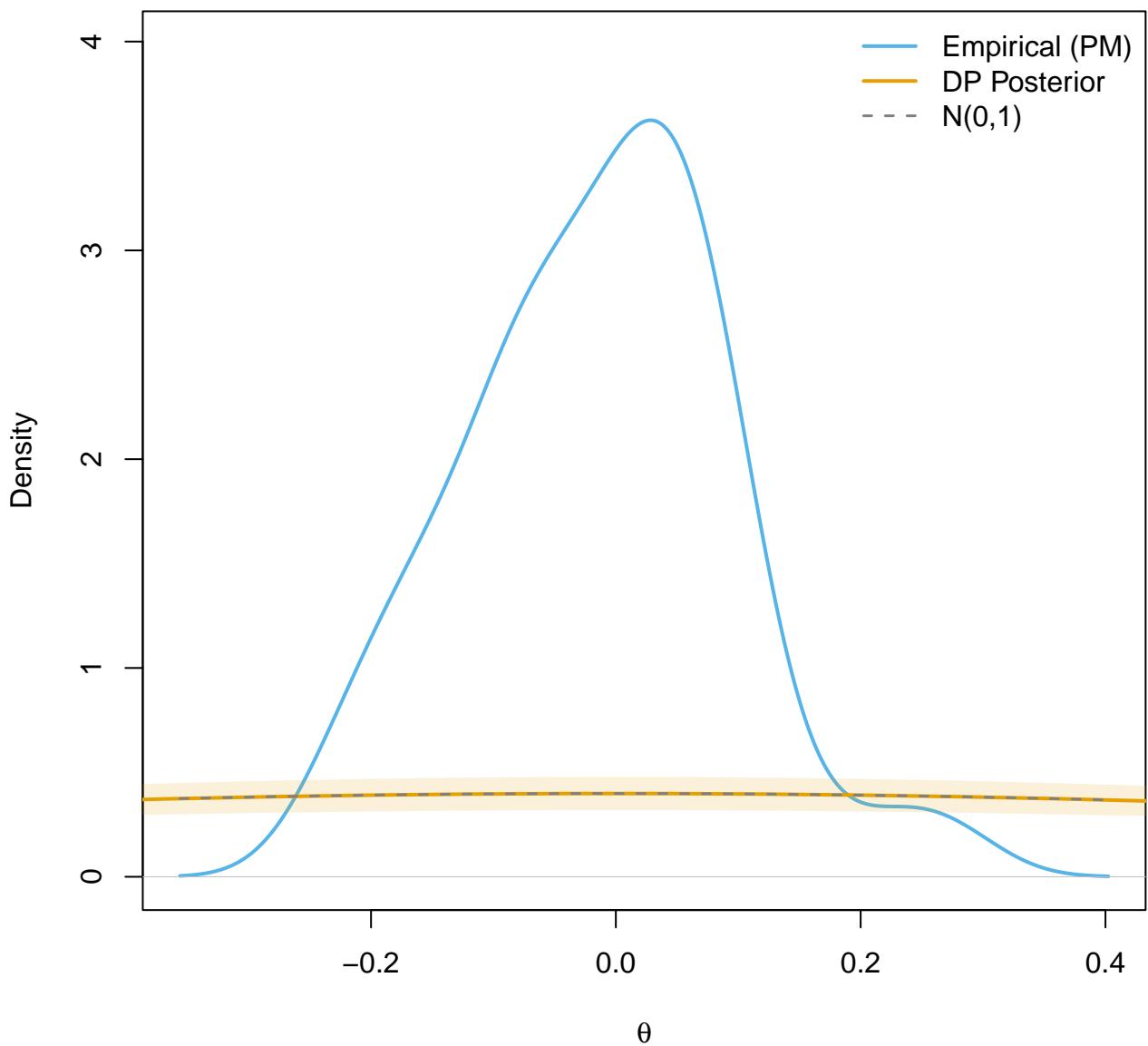
Caterpillar: theta (95% CI)



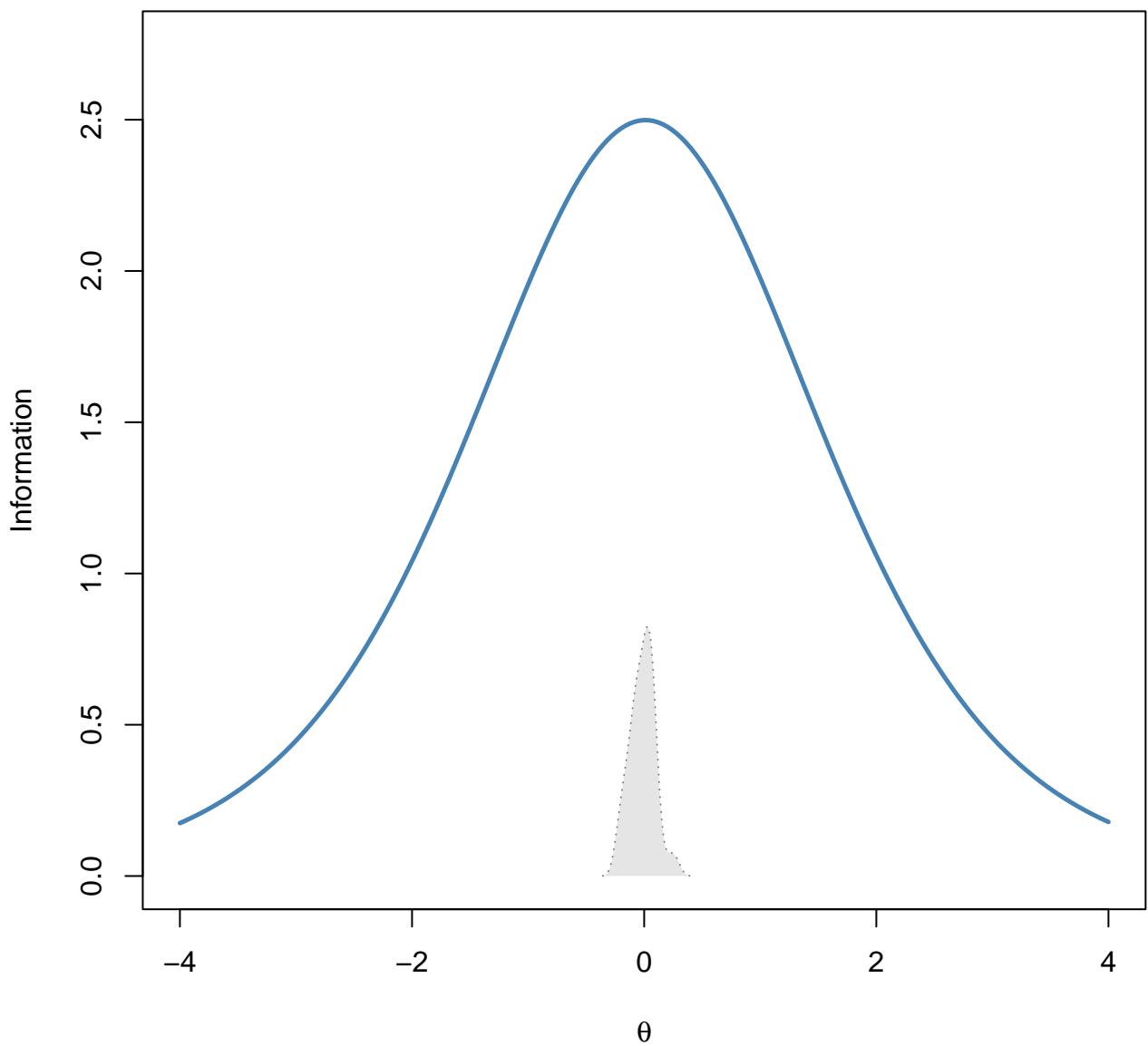
Posterior Mean Density vs Reference



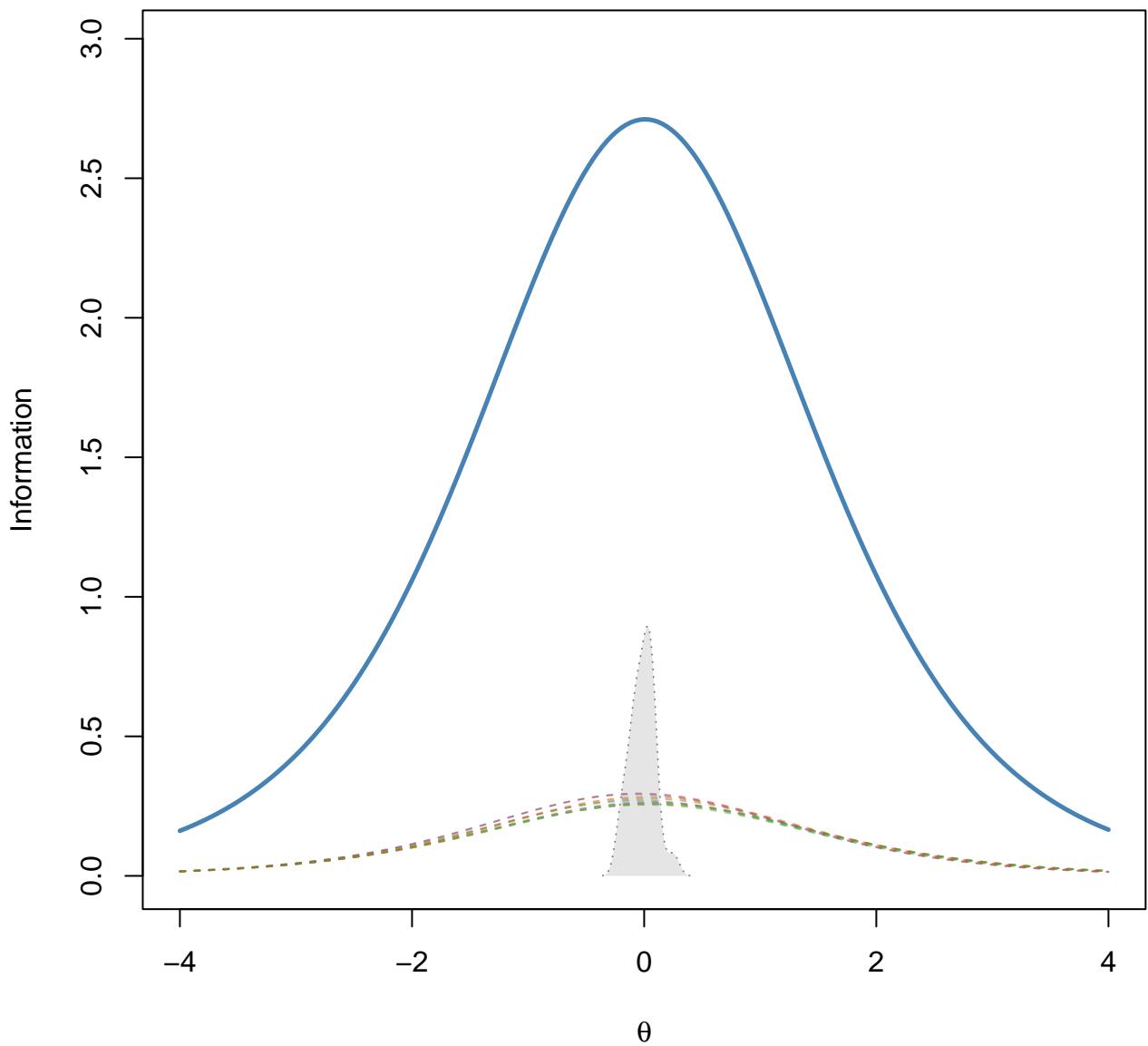
Posterior Density Comparison



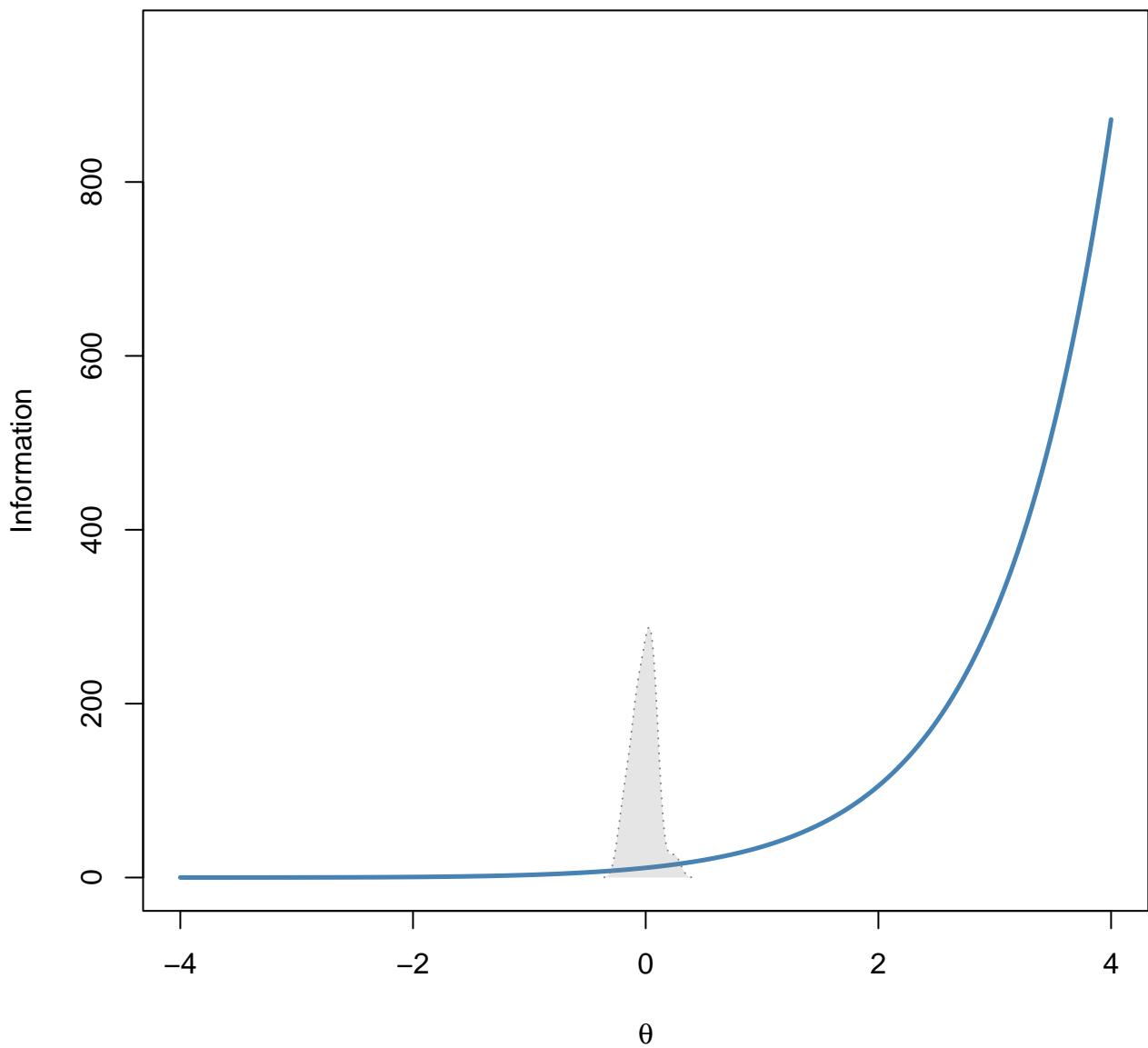
Test Information Function (RASCH)



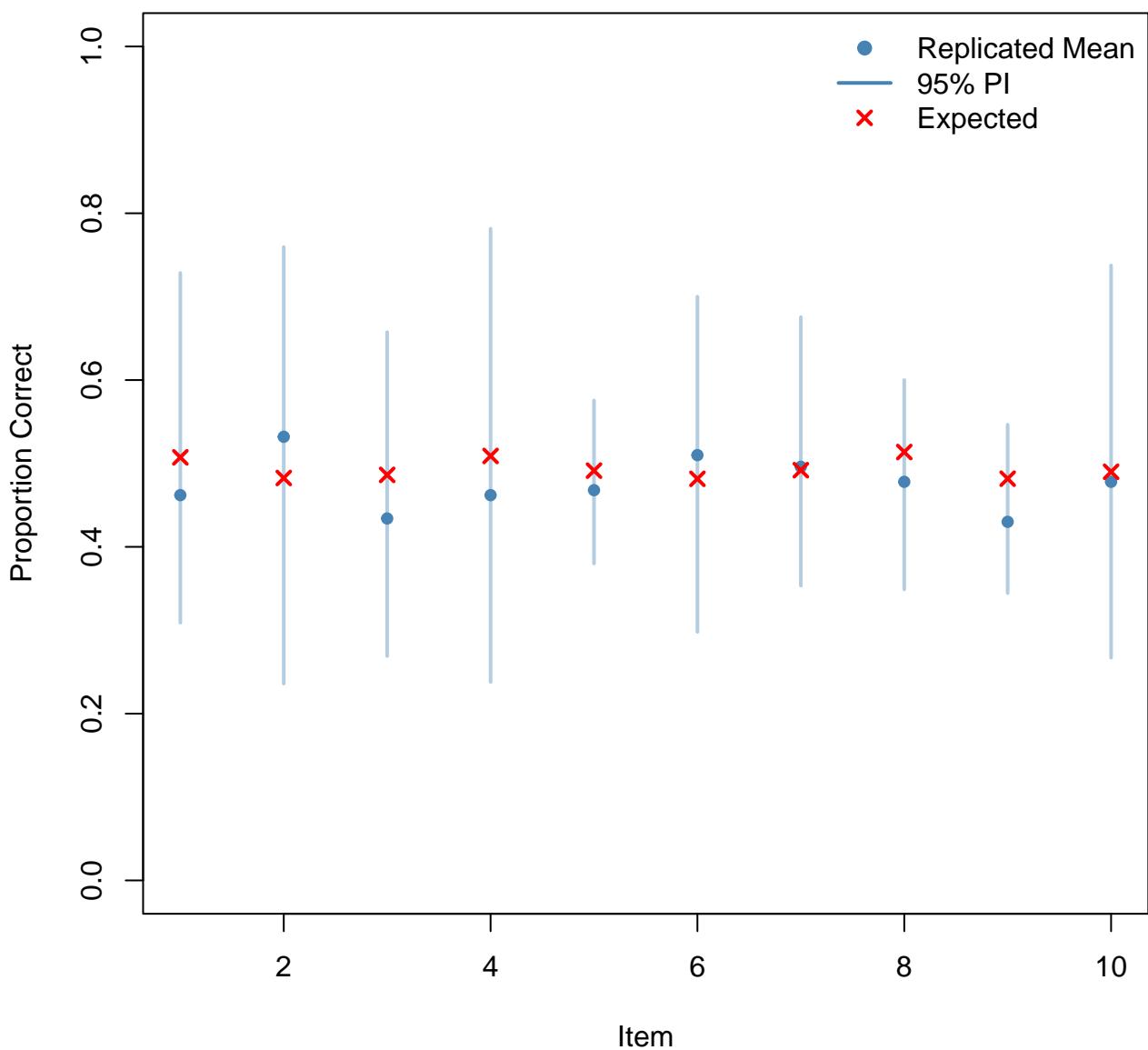
Test Information Function (2PL)



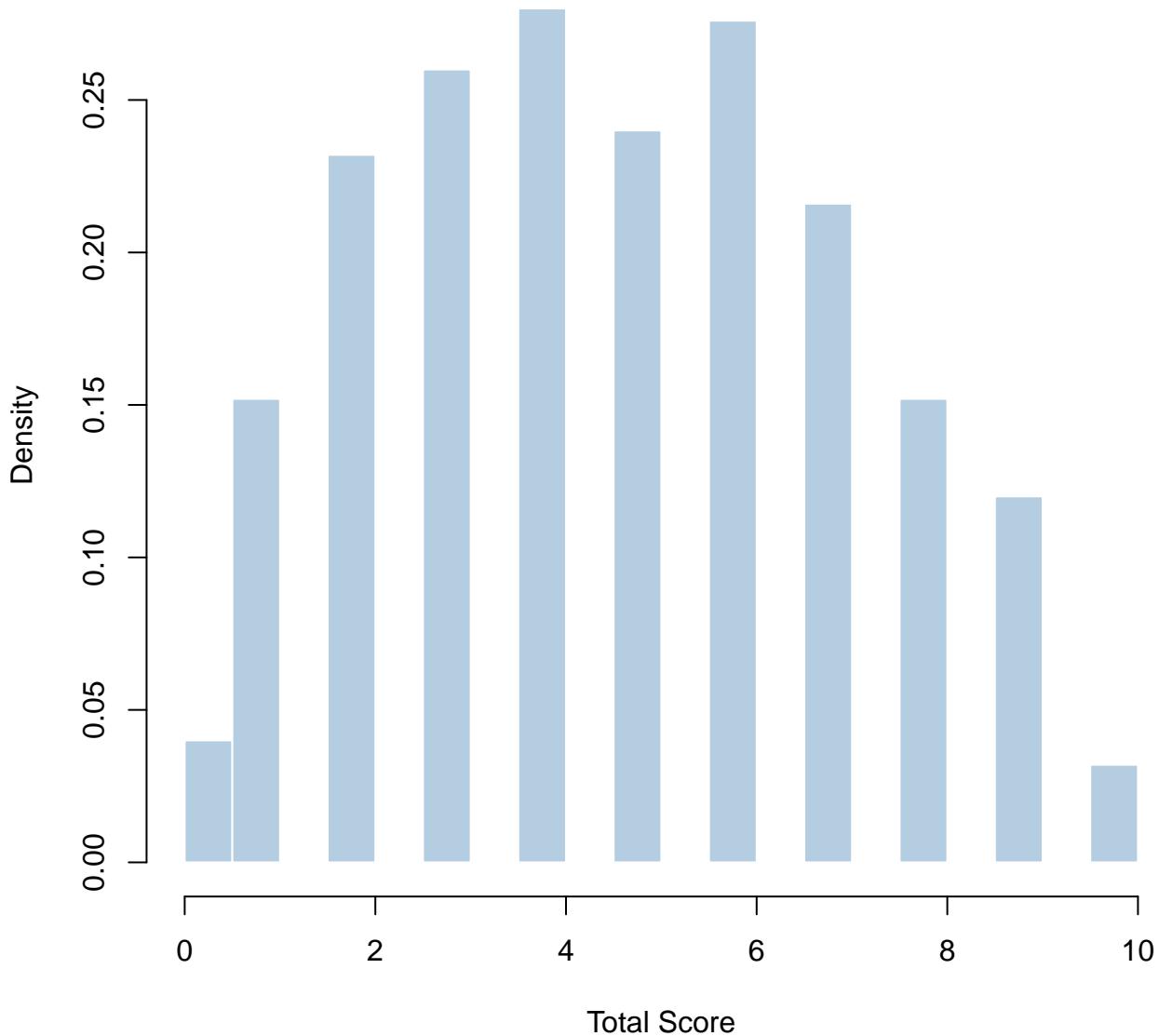
Test Information Function (3PL)



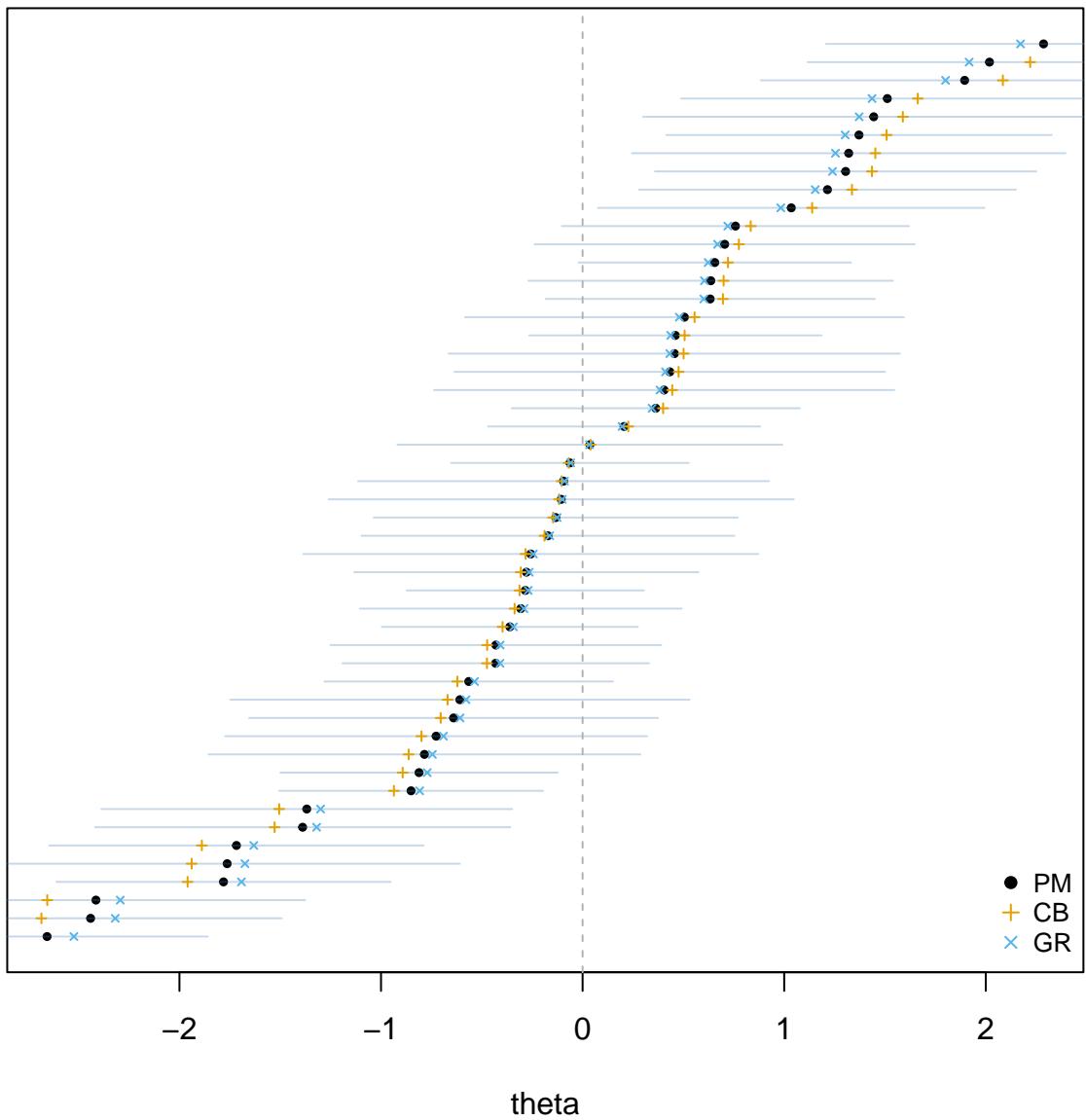
Posterior Predictive Check: Item Proportions



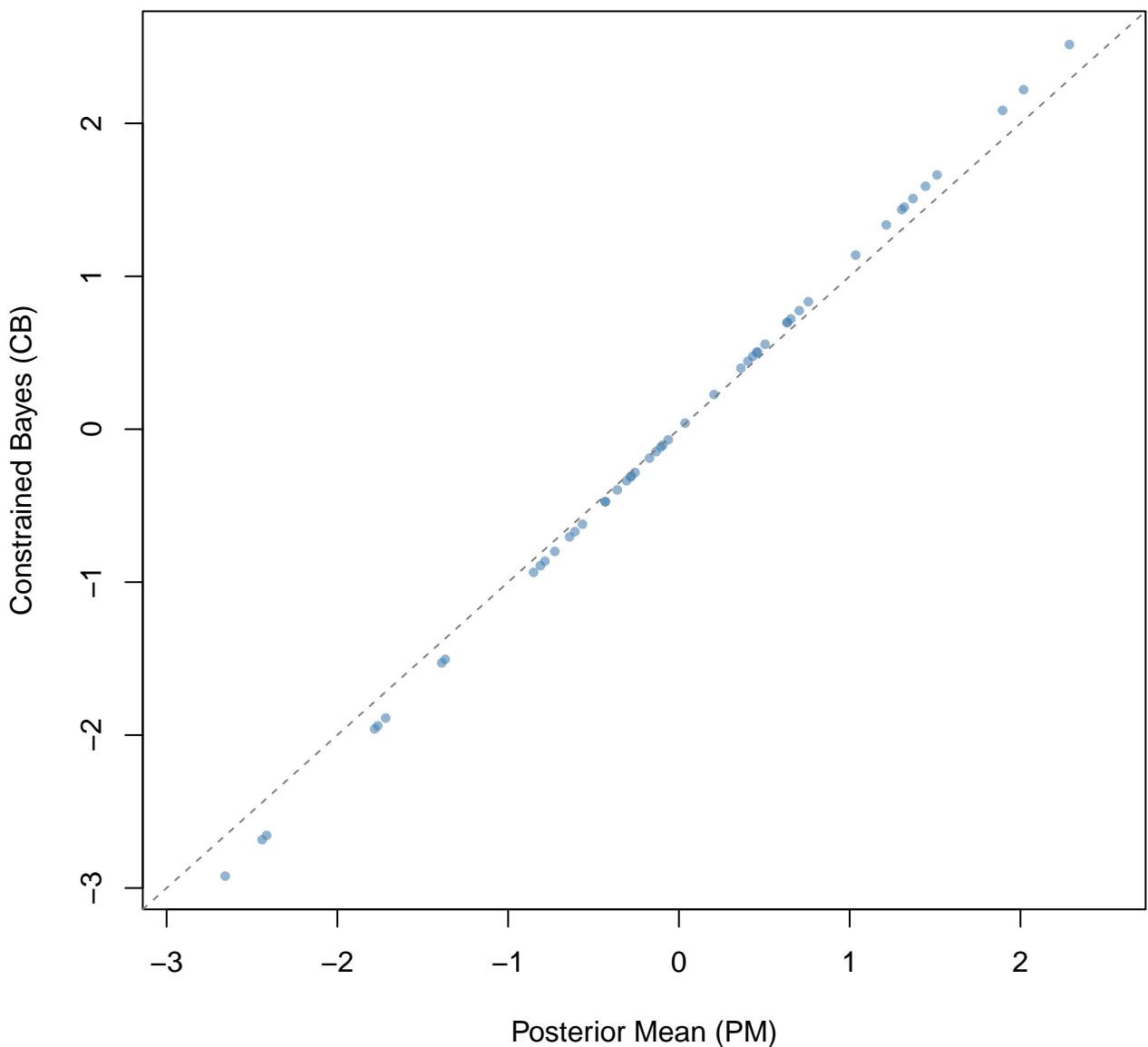
PP Check: Total Score Distribution



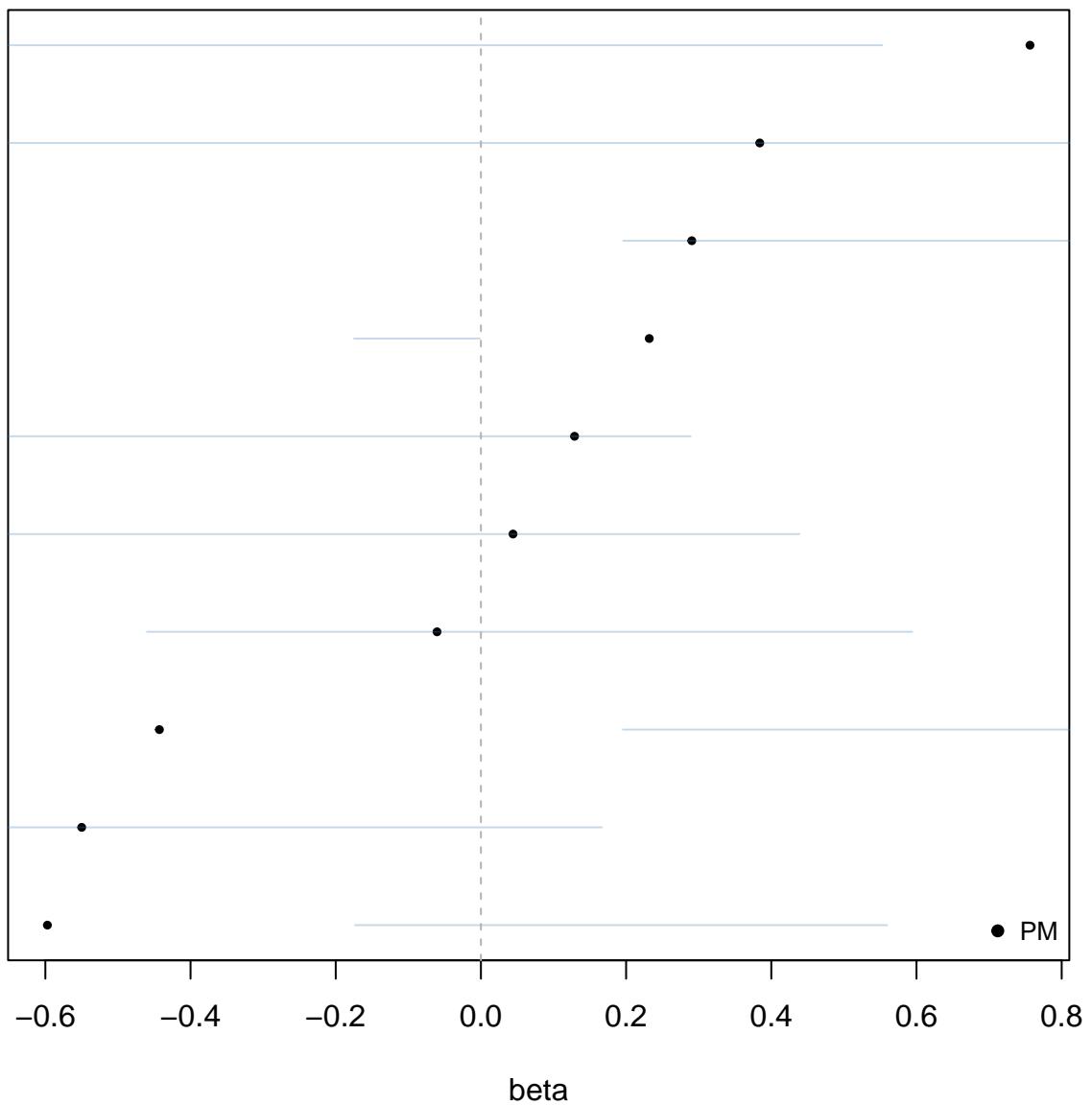
theta Estimates



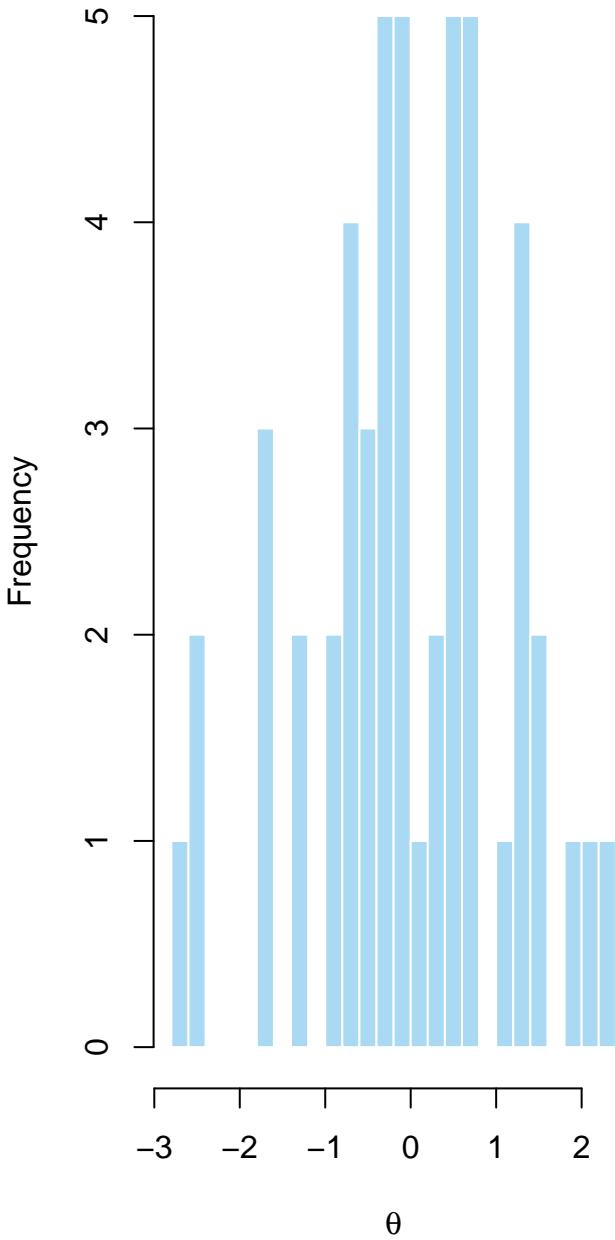
theta Shrinkage: PM vs CB



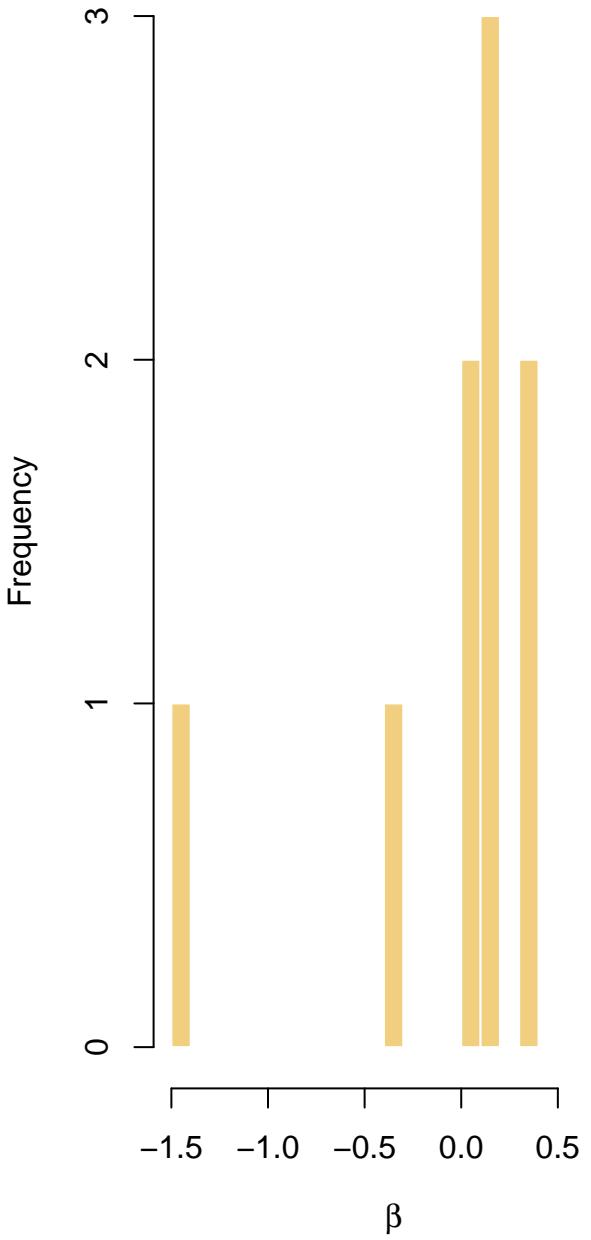
beta Estimates

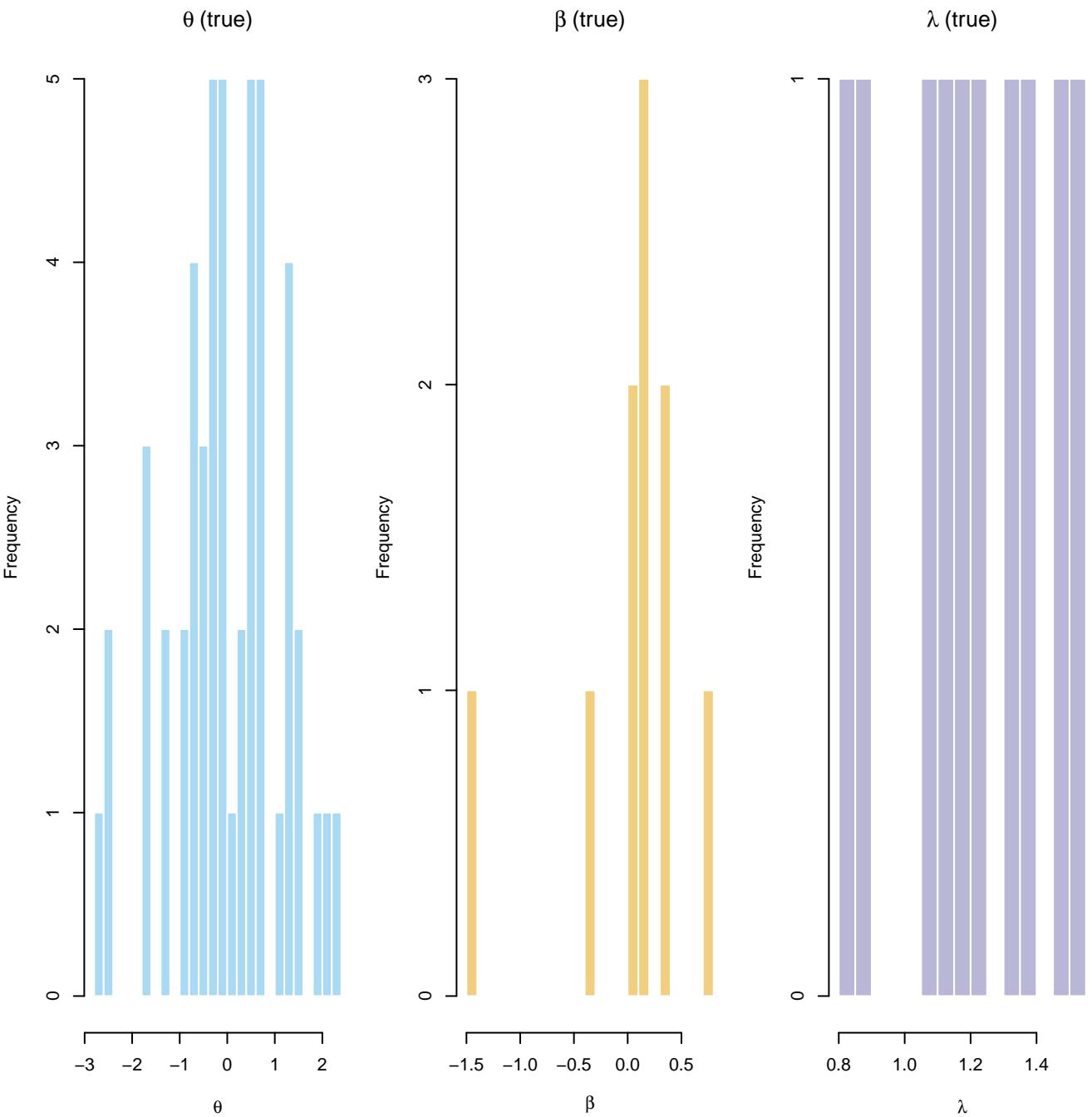


θ (true)

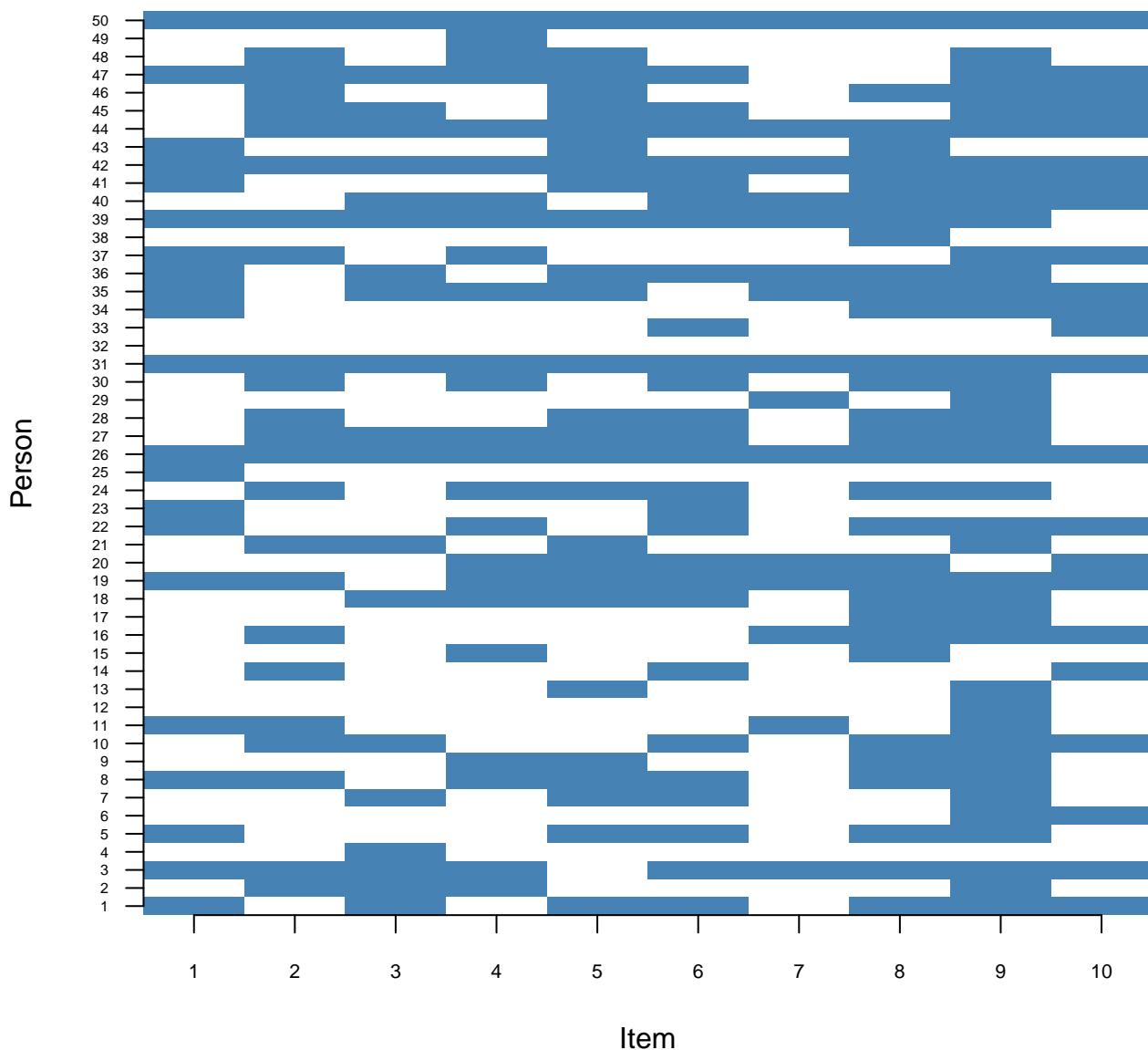


β (true)

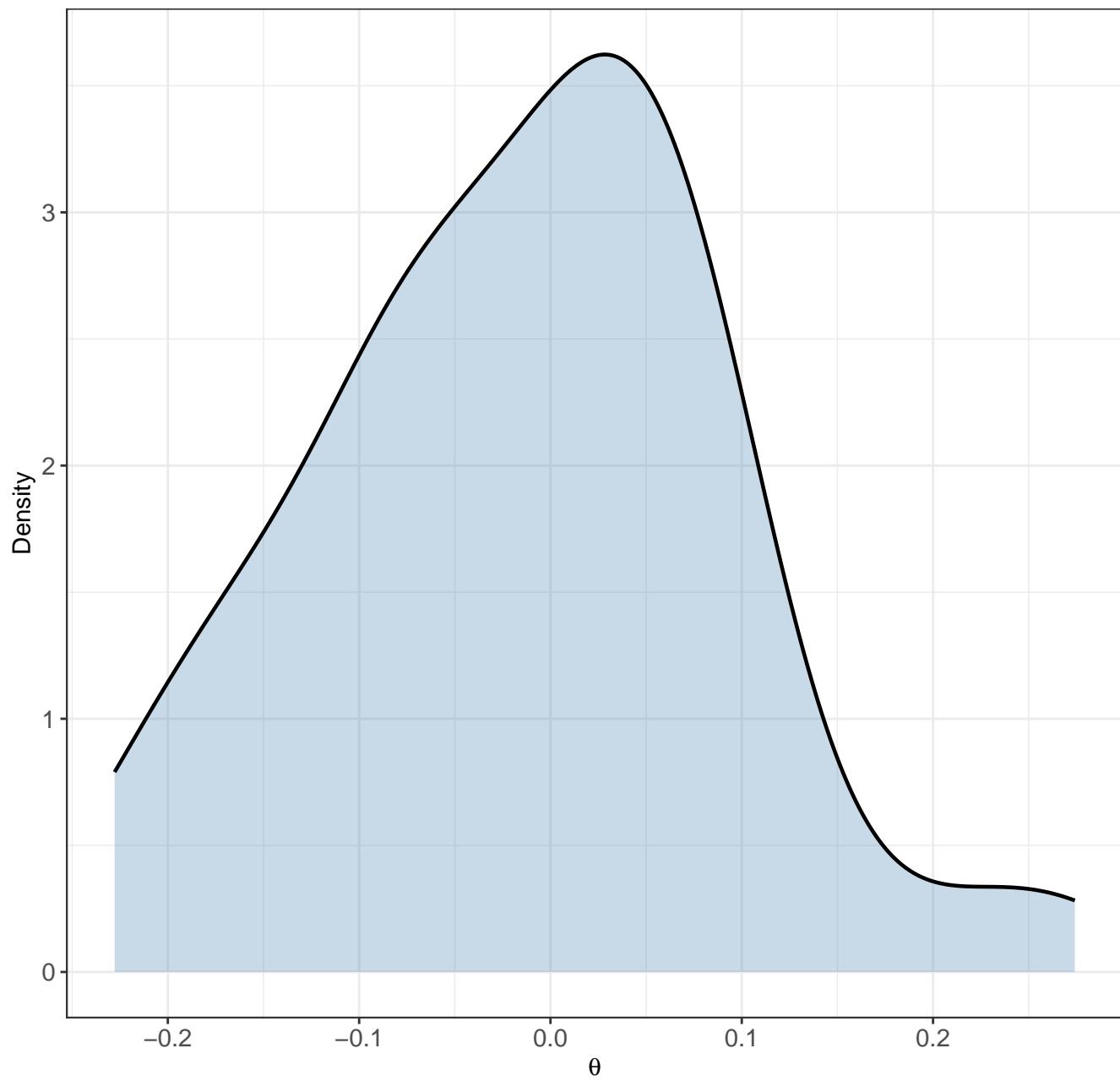




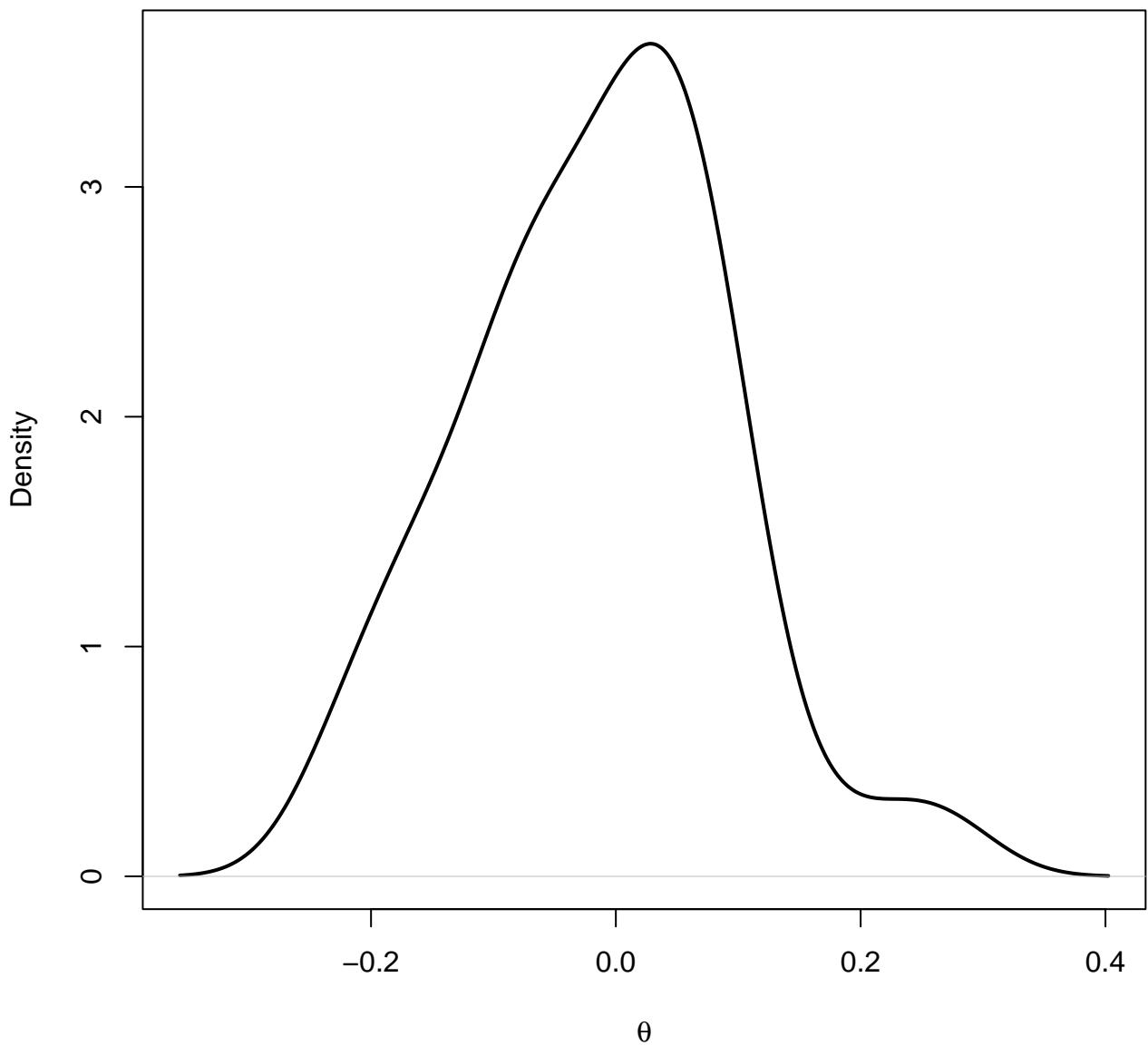
Response Matrix



RASCH (normal) -- Posterior Mean Density



RASCH (normal) -- Posterior Mean Density



RASCH (normal) -- Posterior Mean Density

