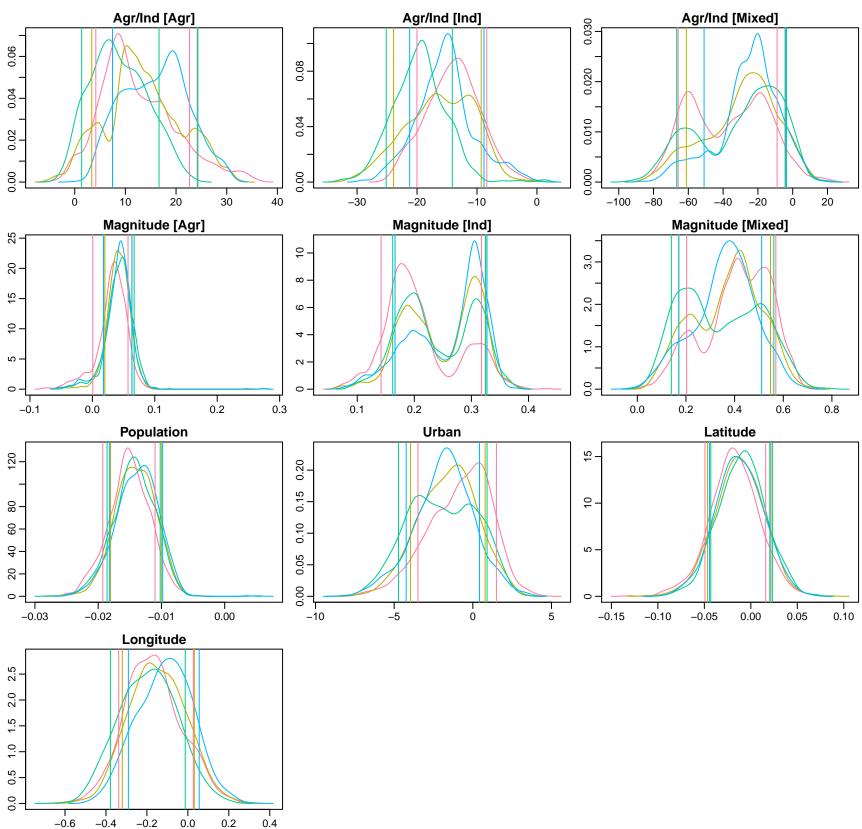4 chains, 200,000 iterations, burn-in period of 5,000 and 80 % credible intervals