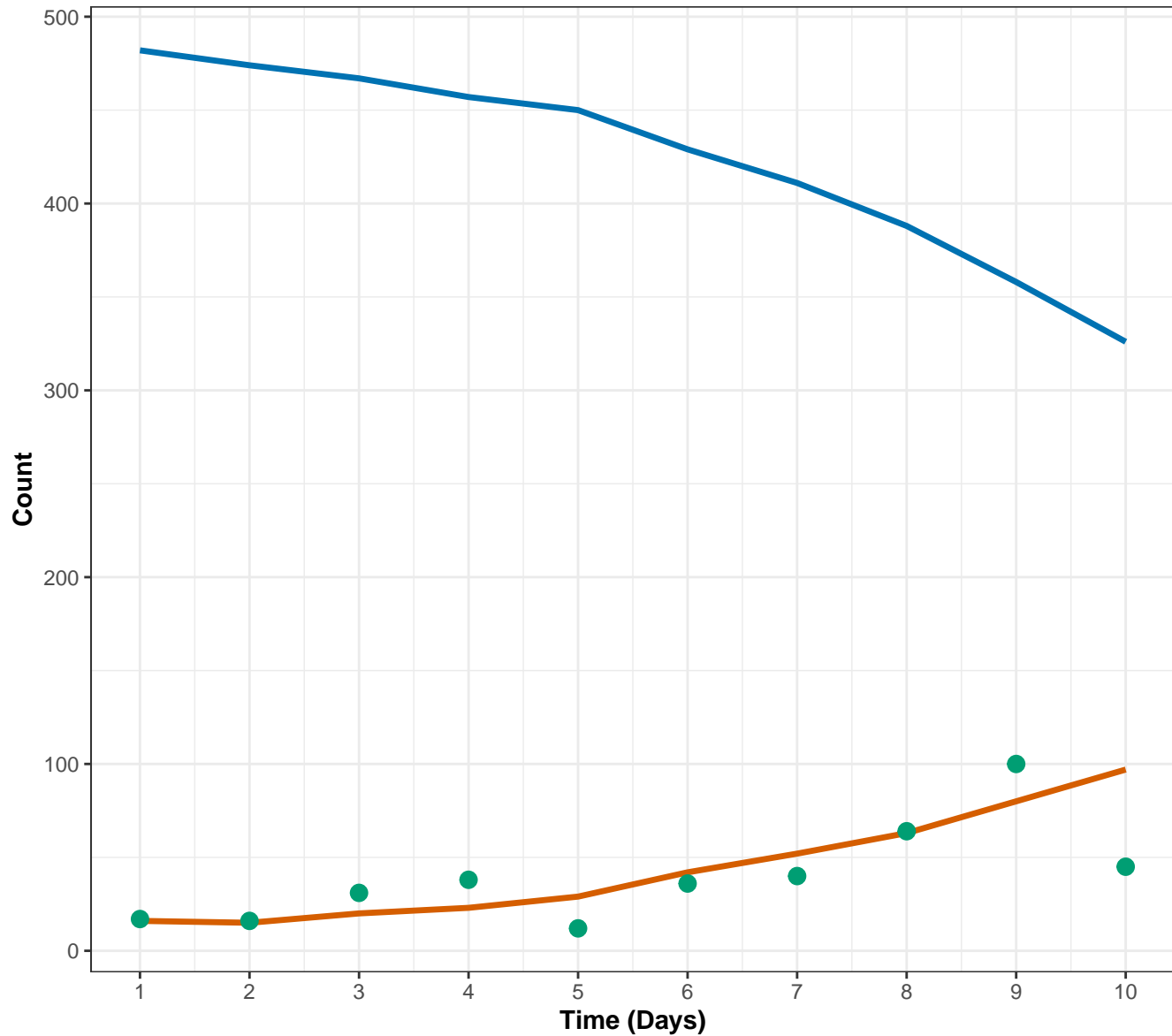
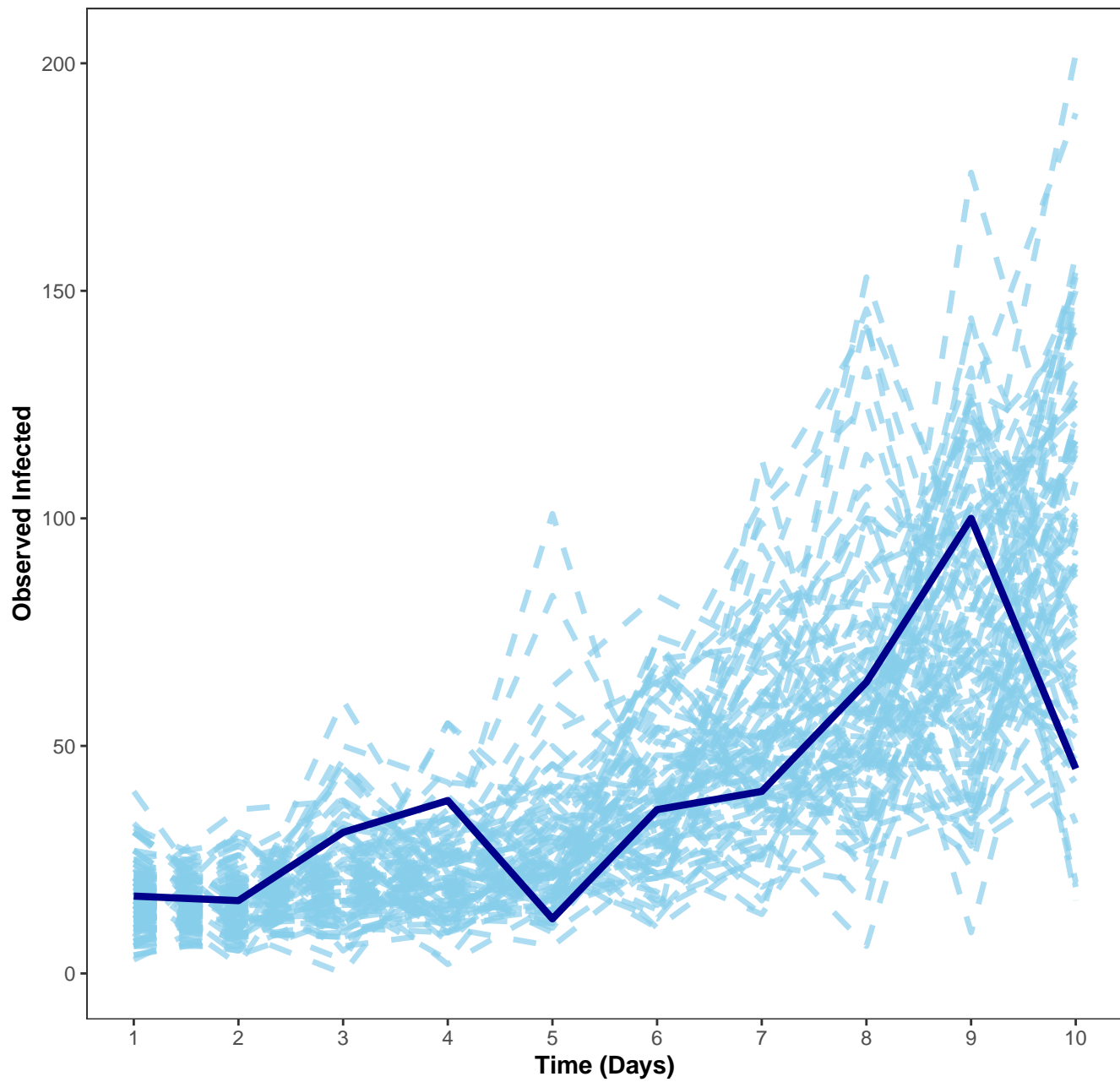


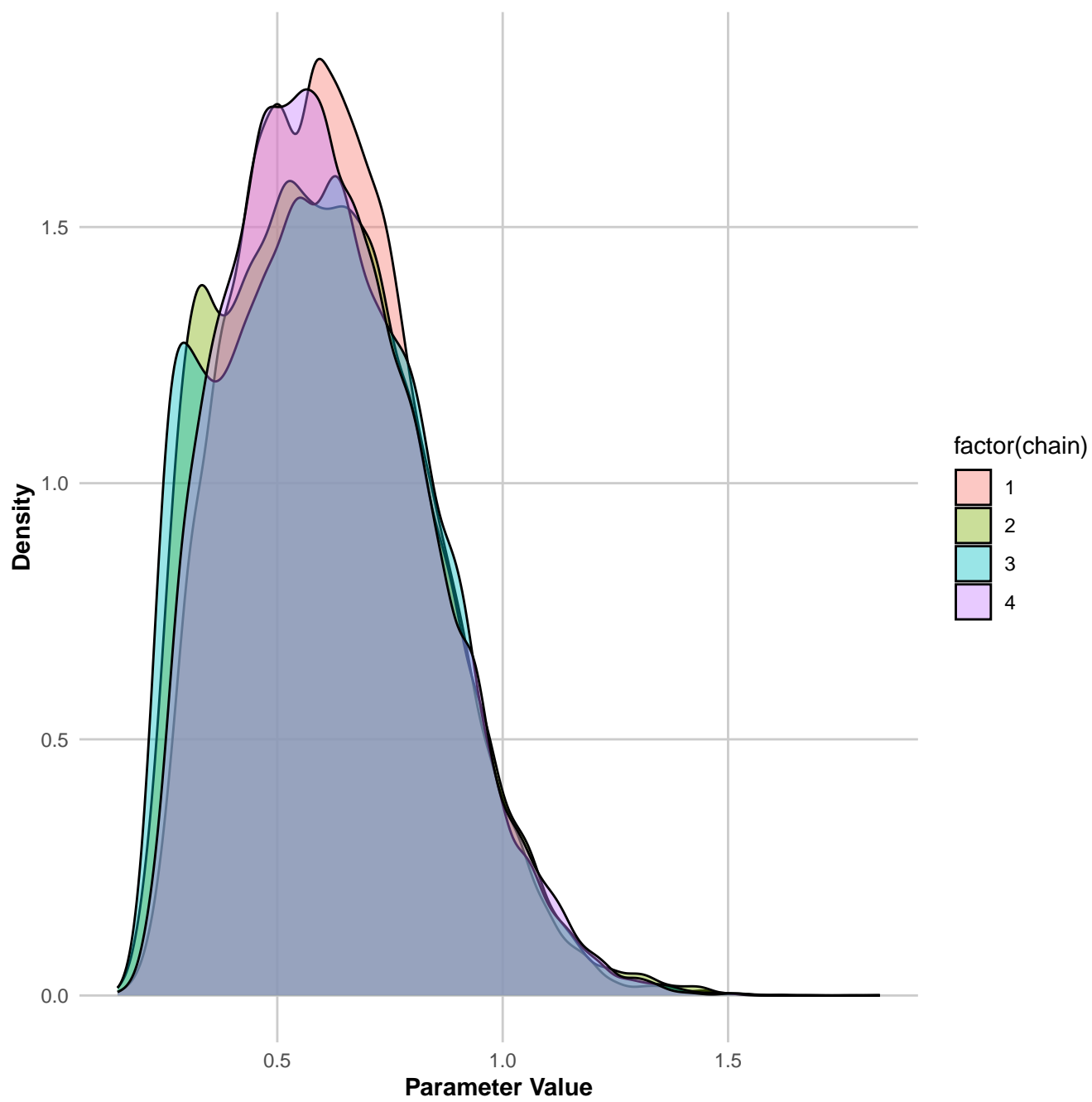
Susceptible, Infected, and Observed Counts

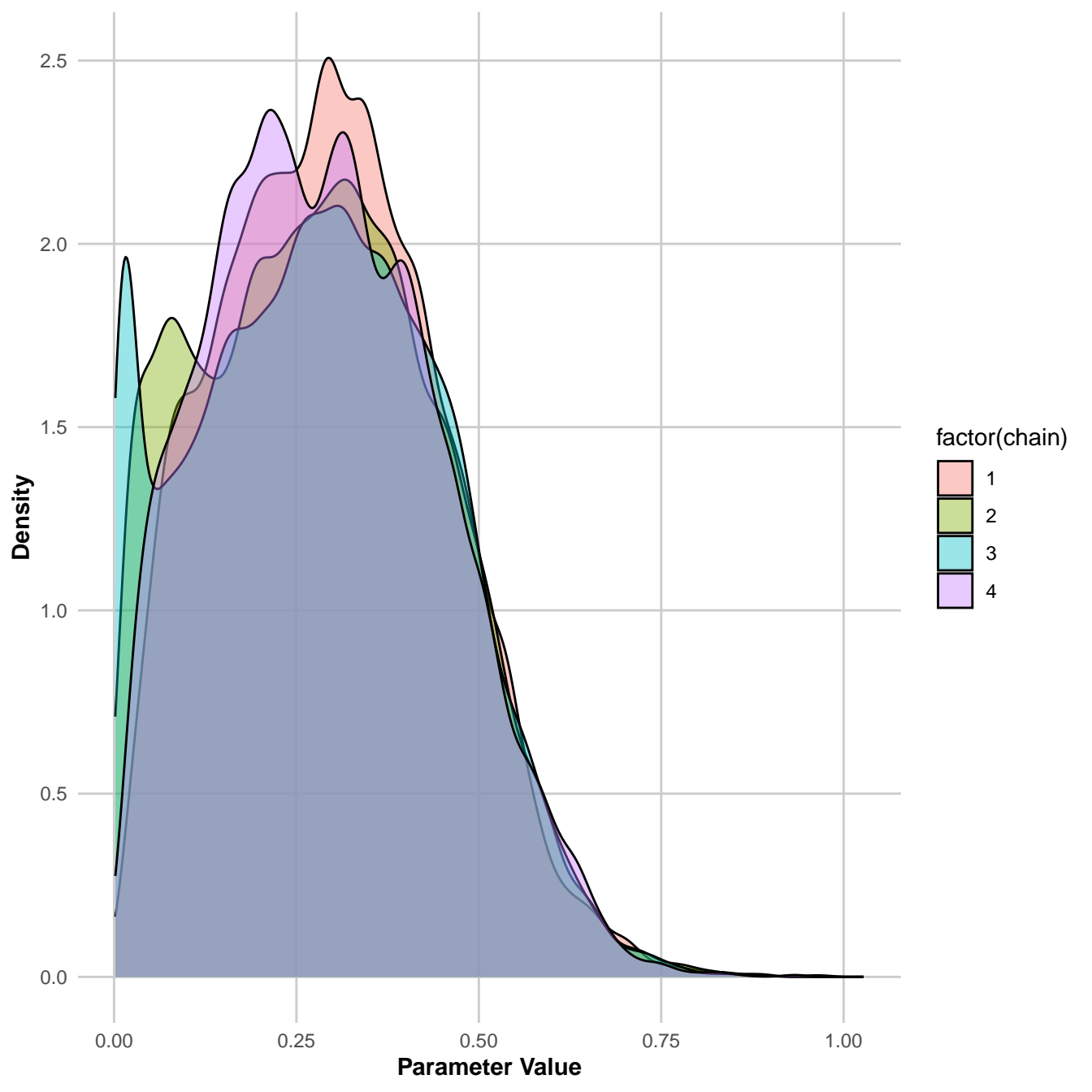
State Susceptible Infected Observed

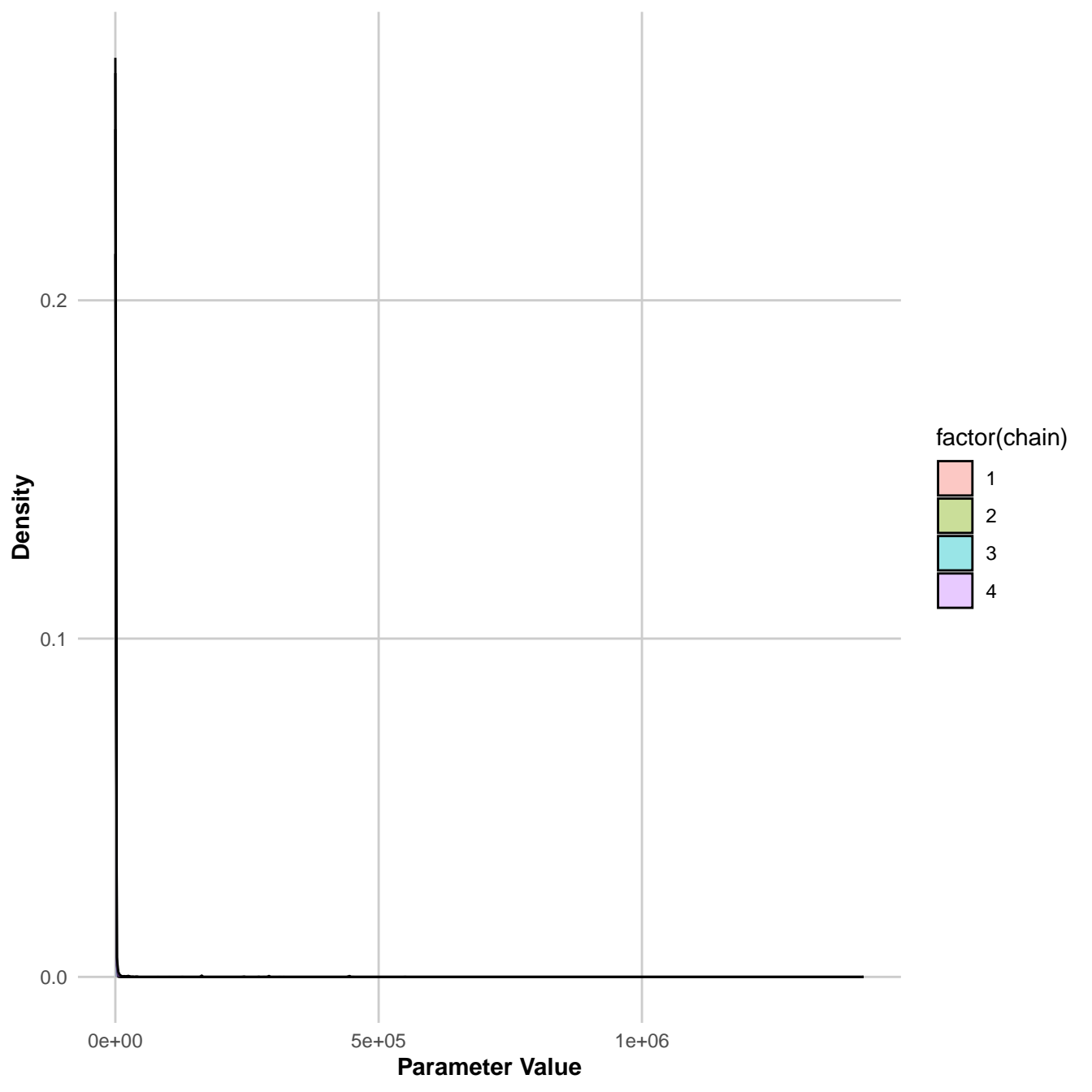


Prior Predictive Check









Posterior Predictive Check

