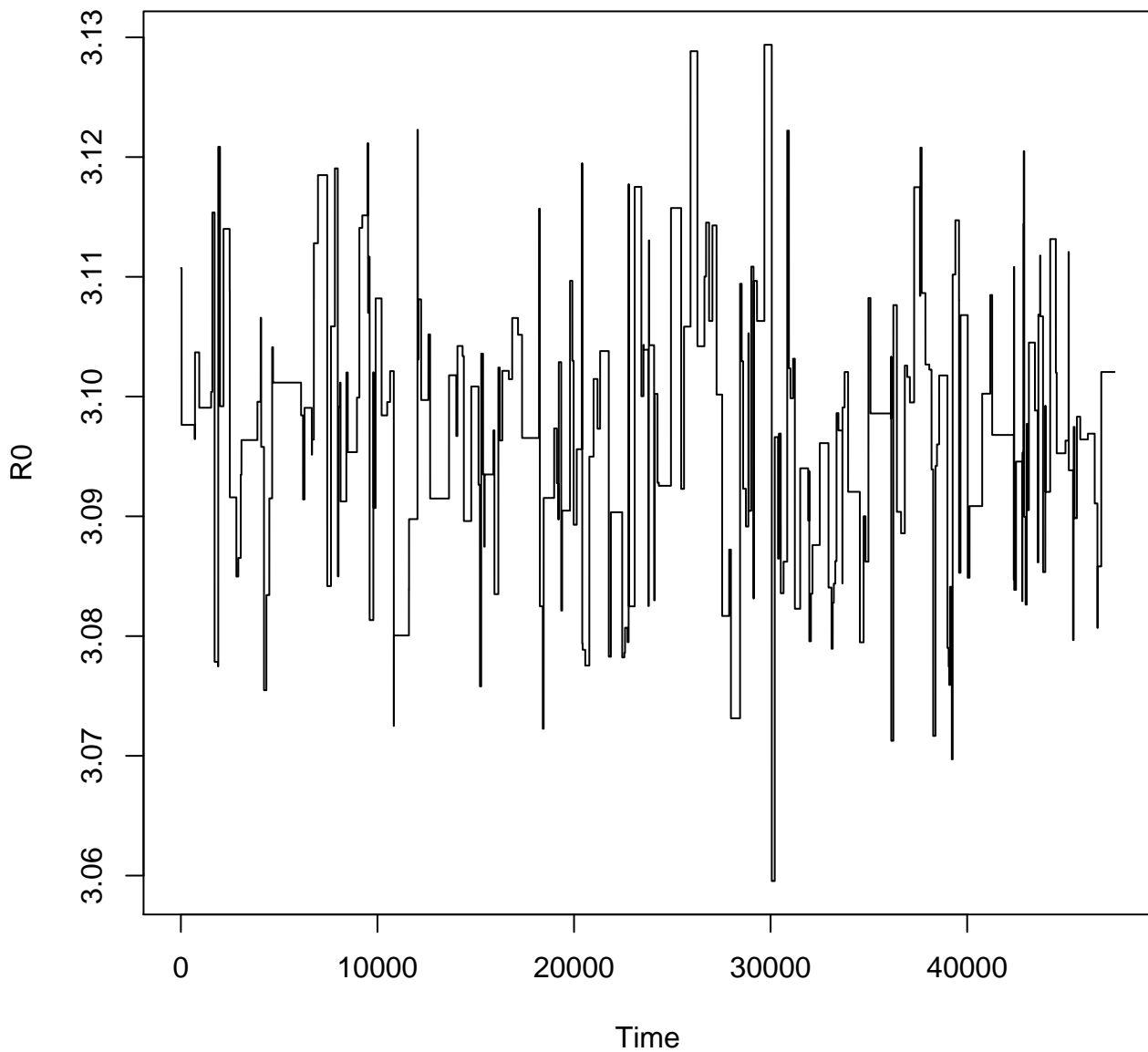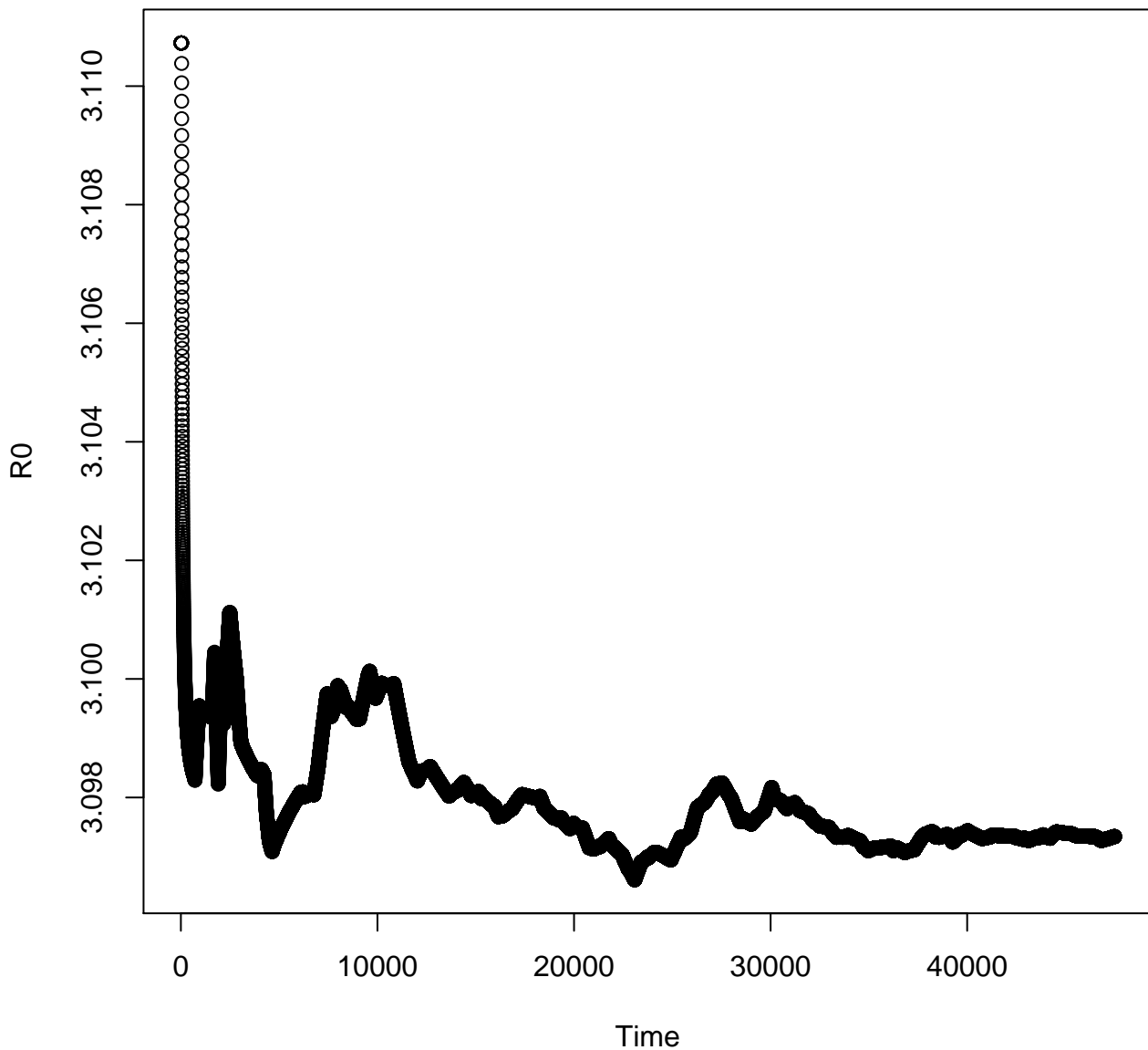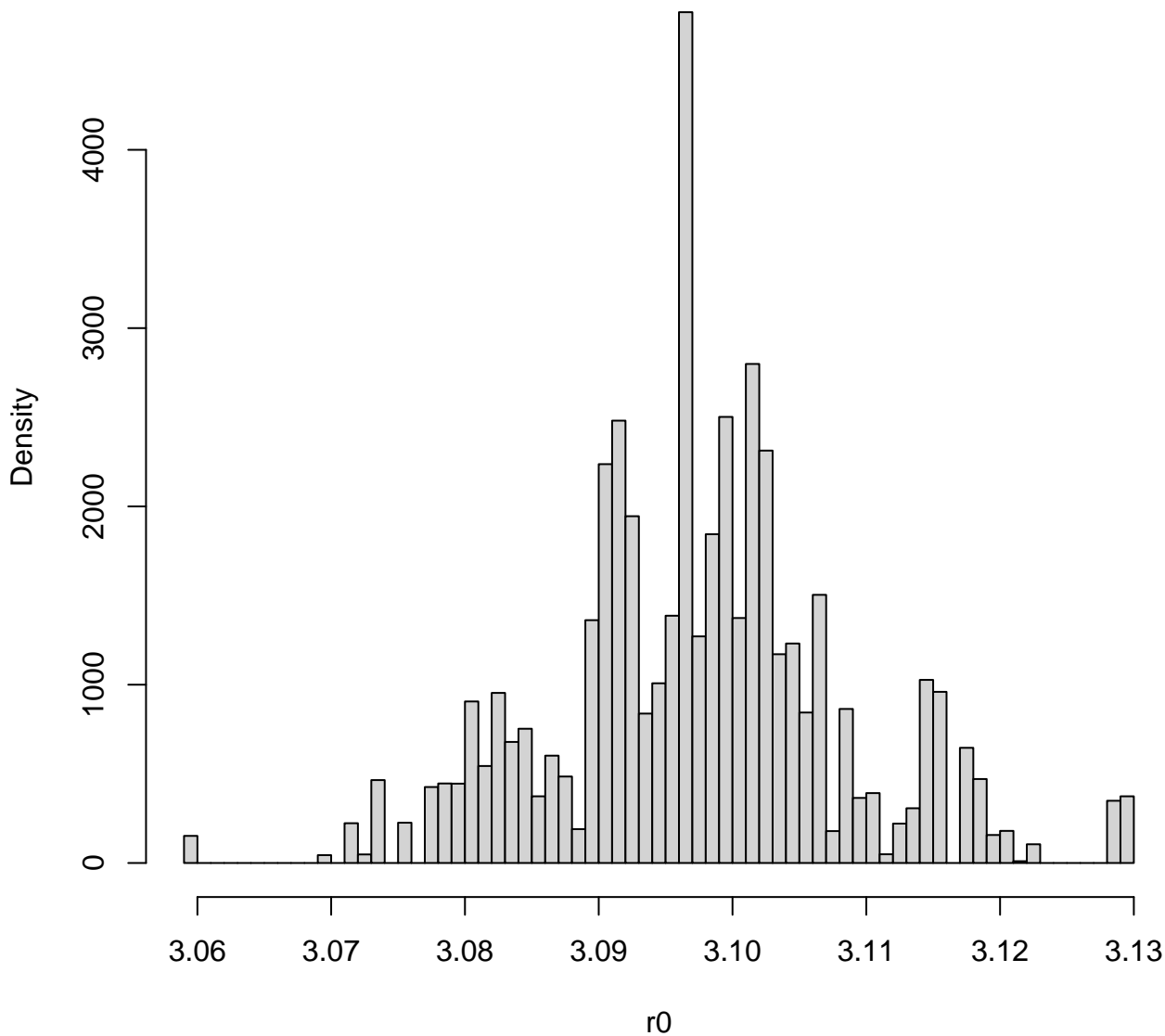**MCMC of R0. True R0 = 2.5 . Sd of proposal = 3**

Mean of R0 MCMC chain. True R0 = 2.5 . sd of proposal = 3

Histogram of R0. True R0 = 2.5 . sd of proposal = 3

Empirical density of r0. True R0 = 2.5 . sd of proposal = 3