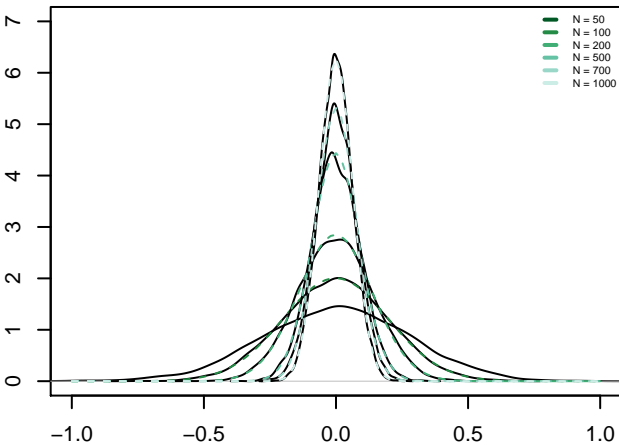


Monte Carlo simulation – Simulated AR(1) model

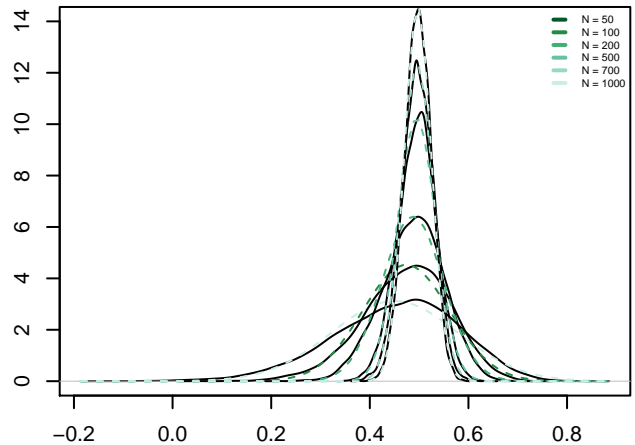
Estimated distribution across different sample sizes (N)

Density Estimate using MC, $\hat{\mu}$



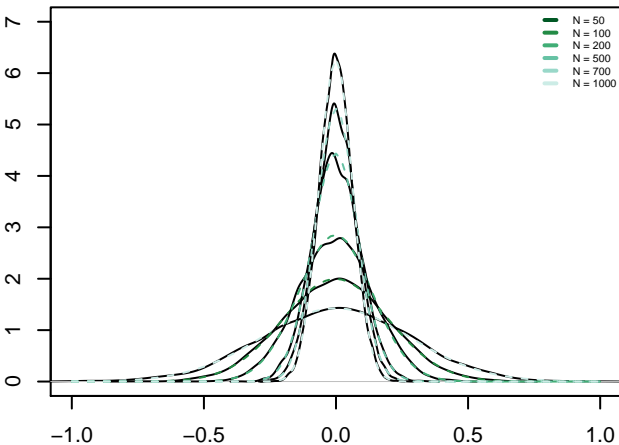
N = 10000 Bandwidth = 0.03971

Density Estimate using MC, $\hat{\phi}$



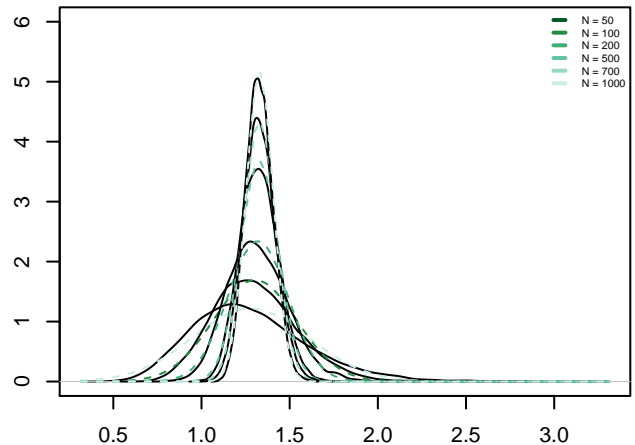
N = 10000 Bandwidth = 0.01824

Density Estimate using MC, mean of y



N = 10000 Bandwidth = 0.03993

Density Estimate using MC, variance of y



N = 10000 Bandwidth = 0.04529