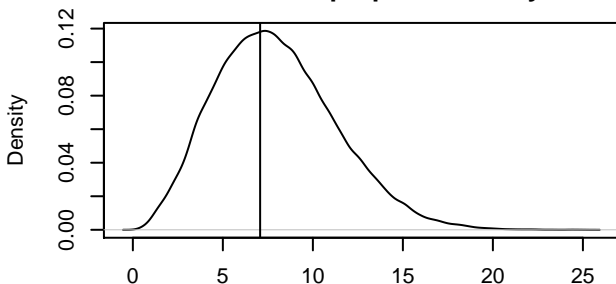
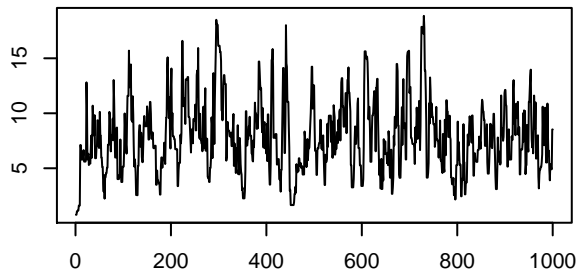


**Maxwell-Boltzmann distribution($a = 5$) using
Gamma as proposal density**

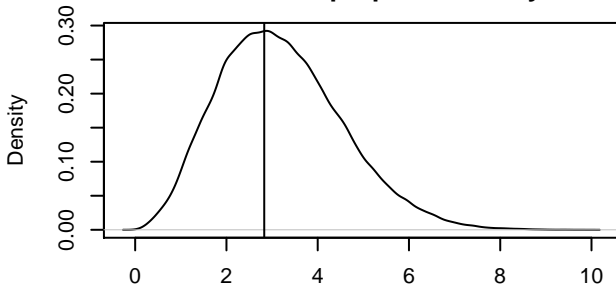


N = 100000 Bandwidth = 0.2995

Corresponding Markov chain

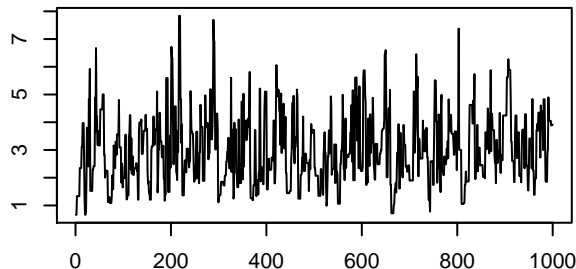


**Maxwell-Boltzmann distribution($a = 2$) using
Gamma as proposal density**

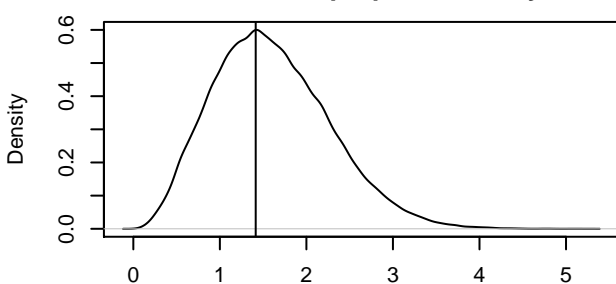


N = 100000 Bandwidth = 0.1211

Corresponding Markov chain



**Maxwell-Boltzmann distribution($a = 1$) using
Gamma as proposal density**



N = 100000 Bandwidth = 0.06012

Corresponding Markov chain

