

# Distribution of Resample $Z_1, \dots, Z_r$ when Increasing the Sample Size $m$



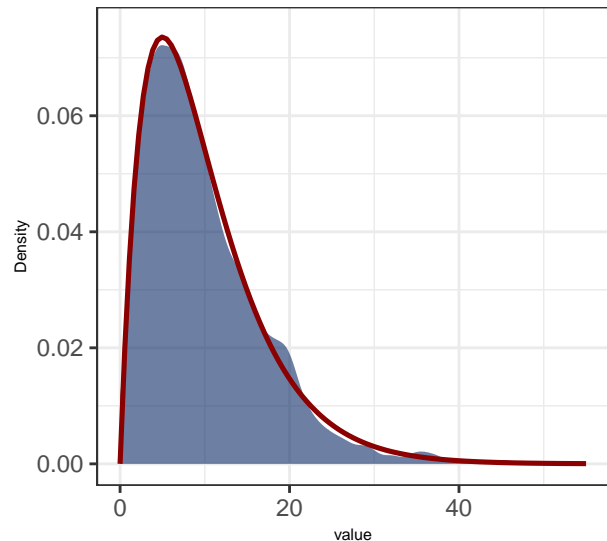
After Sampling



PDF of Gamma(2, 0.2)

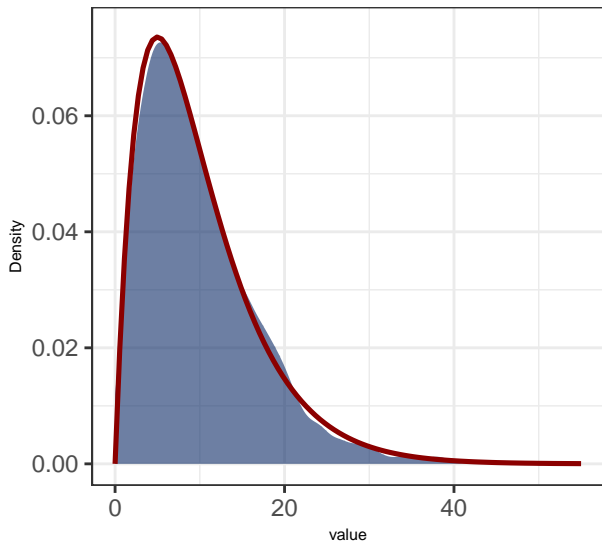
Sampling from  $X \sim \text{Exp}(\lambda = 0.2)$  with Weights  $h(x) = x$

PDF of Gamma(2, 0.2) in Red, Sample Size: 10000,  
Posterior Sample Size: 10000



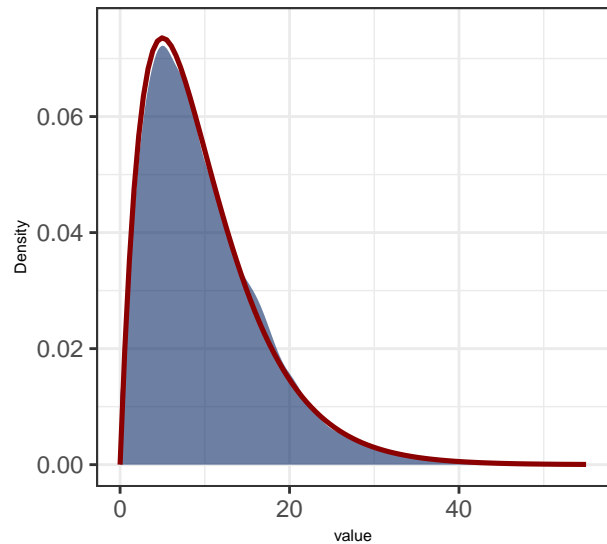
Sampling from  $X \sim \text{Exp}(\lambda = 0.2)$  with Weights  $h(x) = x$

PDF of Gamma(2, 0.2) in Red, Sample Size: 50000,  
Posterior Sample Size: 10000



Sampling from  $X \sim \text{Exp}(\lambda = 0.2)$  with Weights  $h(x) = x$

PDF of Gamma(2, 0.2) in Red, Sample Size: 1e+05,  
Posterior Sample Size: 10000



Sampling from  $X \sim \text{Exp}(\lambda = 0.2)$  with Weights  $h(x) = x$

PDF of Gamma(2, 0.2) in Red, Sample Size: 1e+06,  
Posterior Sample Size: 10000

