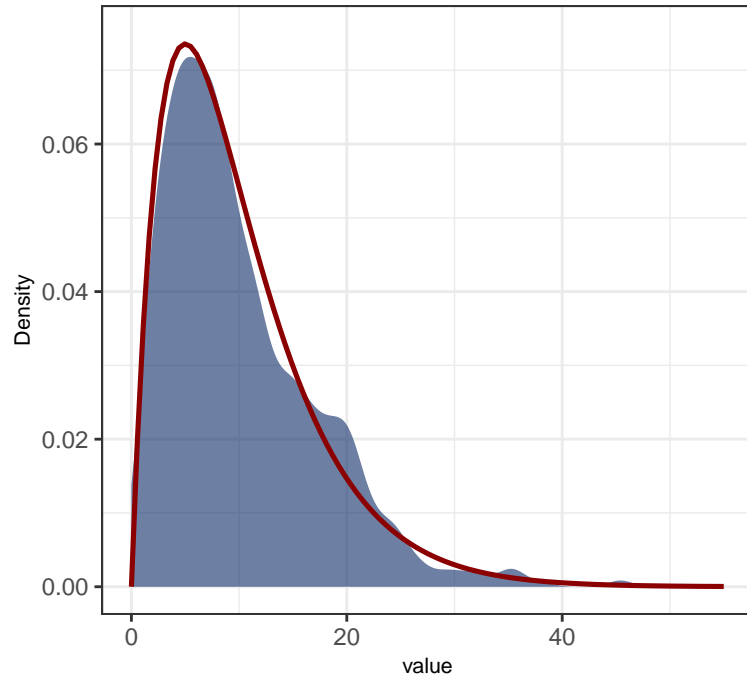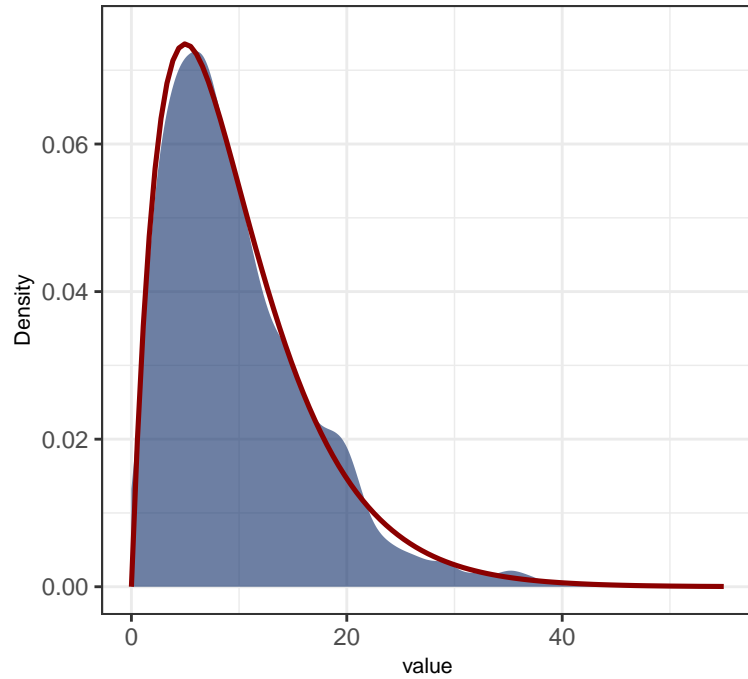# Distribution of Resample $Z_1, \cdots, Z_r$ When Increasing the Sample Size m

■ 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: 5000, Posterior Sample Size:5000

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:5000
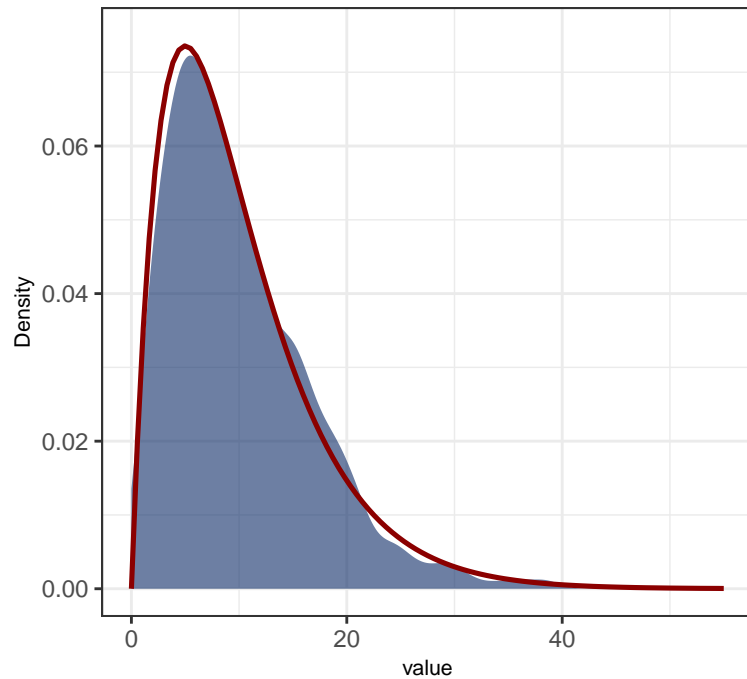
Sampling from $X \sim \text{Exp}(\lambda = 0.2)$ with Weights $h(x) = x$

PDF of Gamma(2, 0.2) in Red, Sample Size: 50000, Posterior Sample Size:5000

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:5000