Poisson histogram with lambda=2
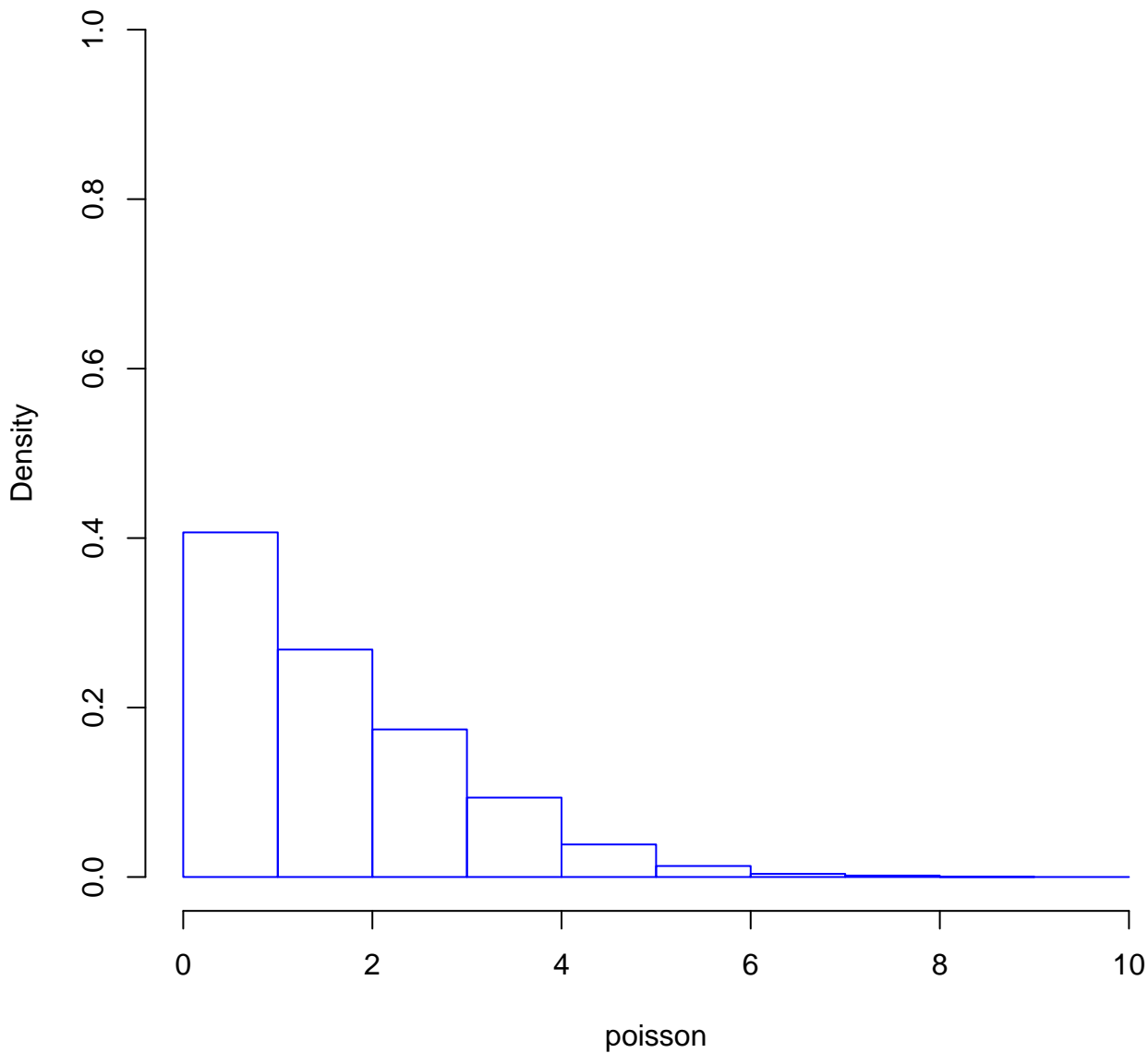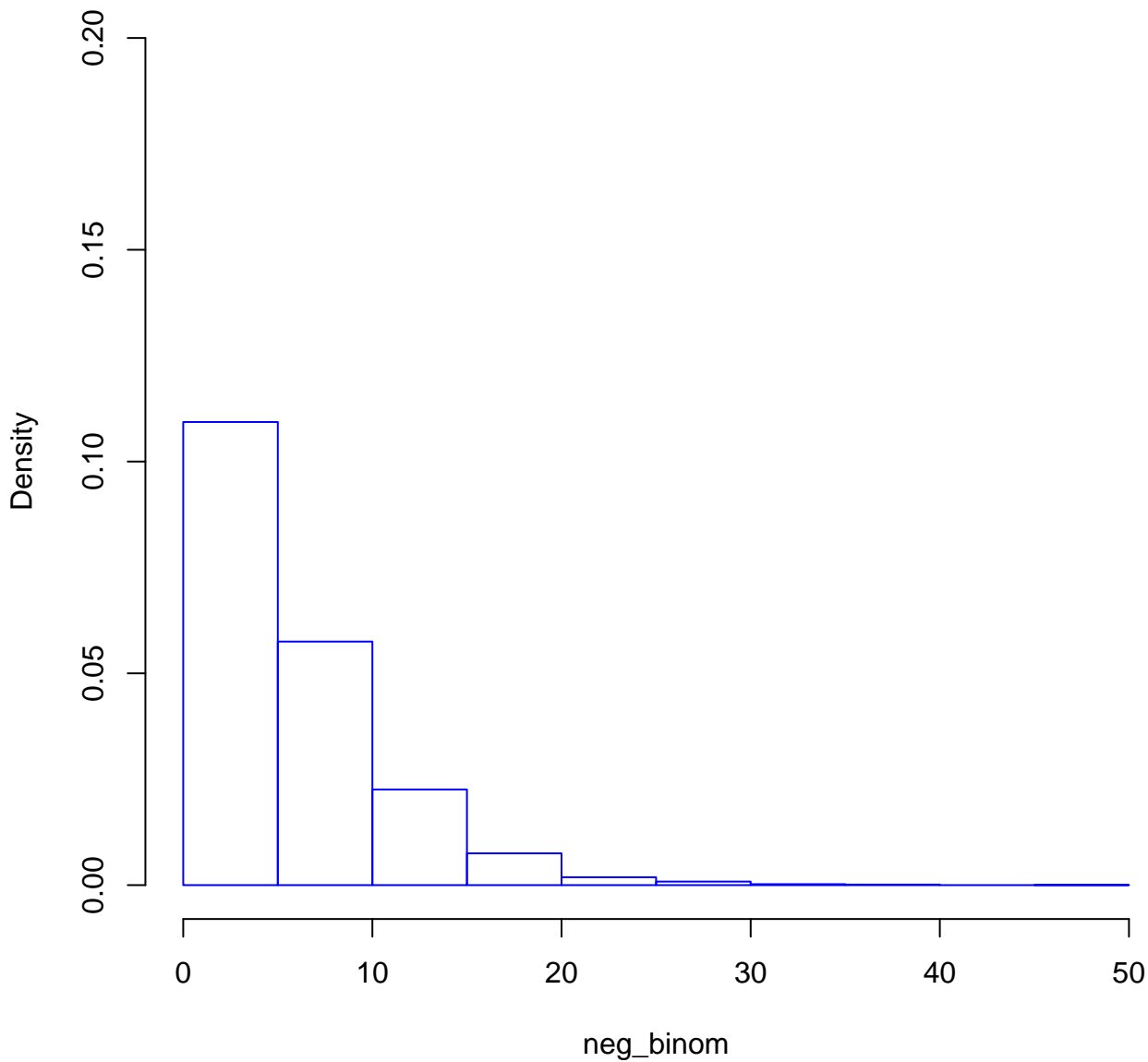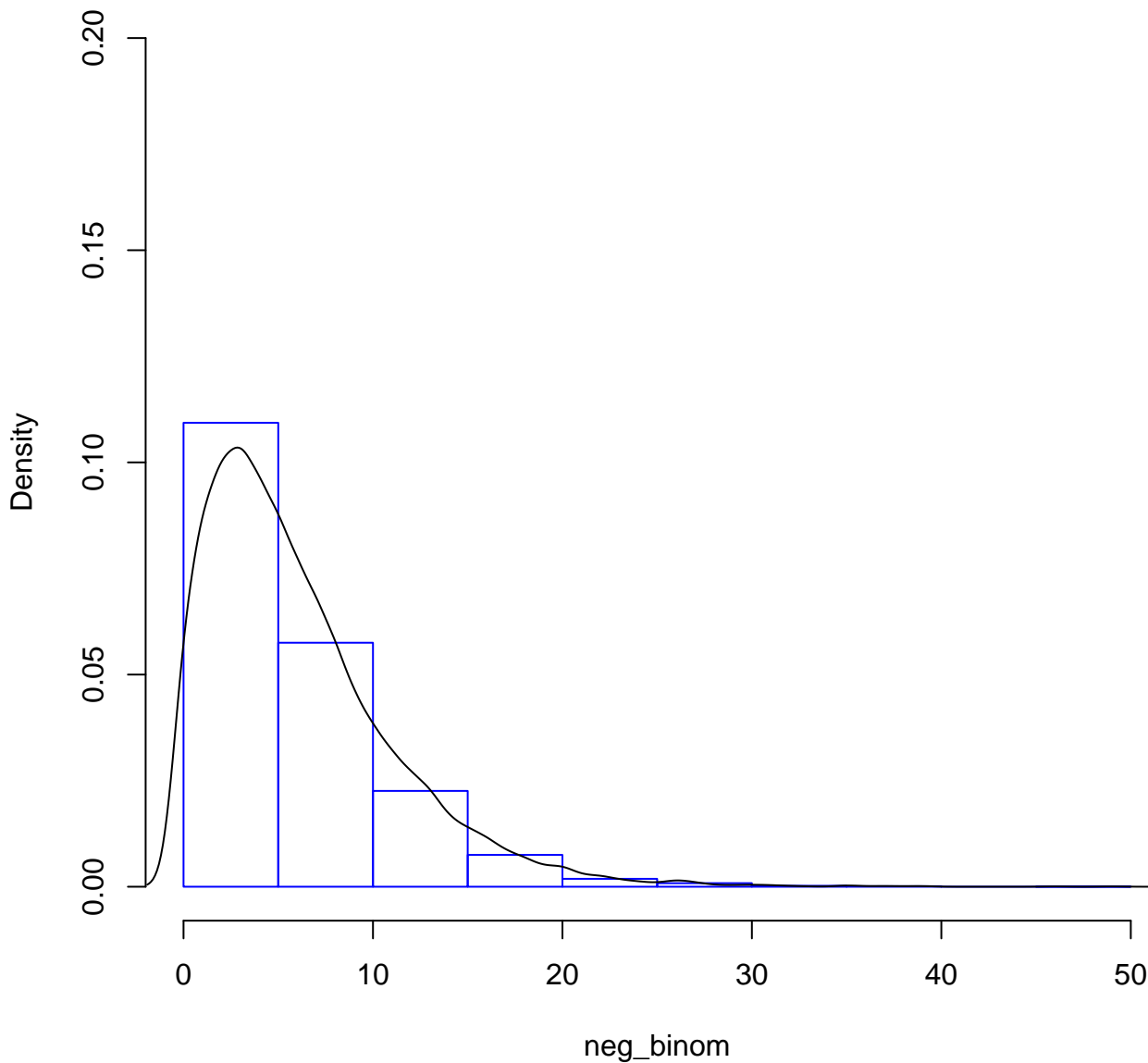
Negative binomial histogram with p=0.25
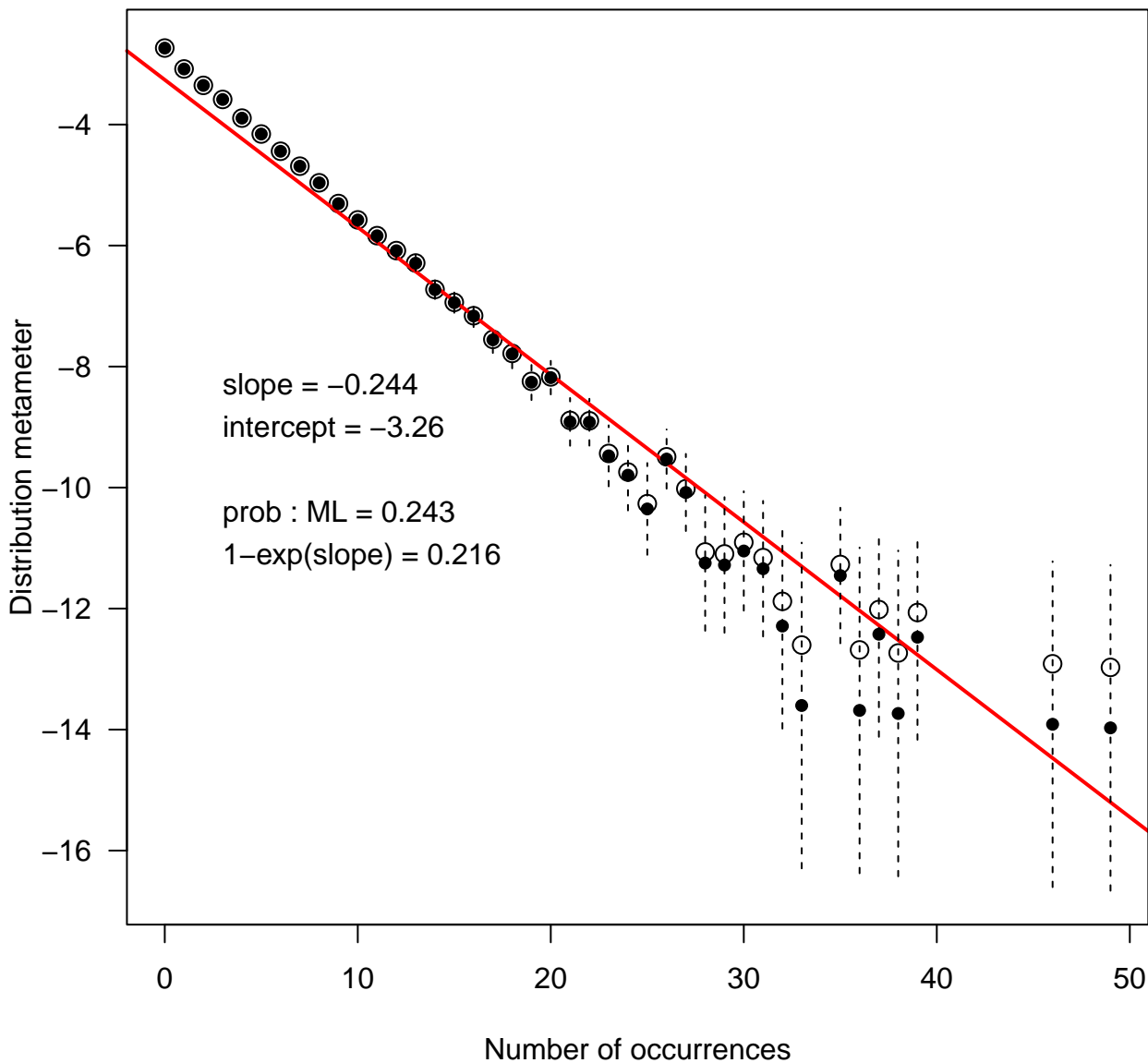
kernel density of neg_binom

Density

N = 10000   Bandwidth = 0.6387
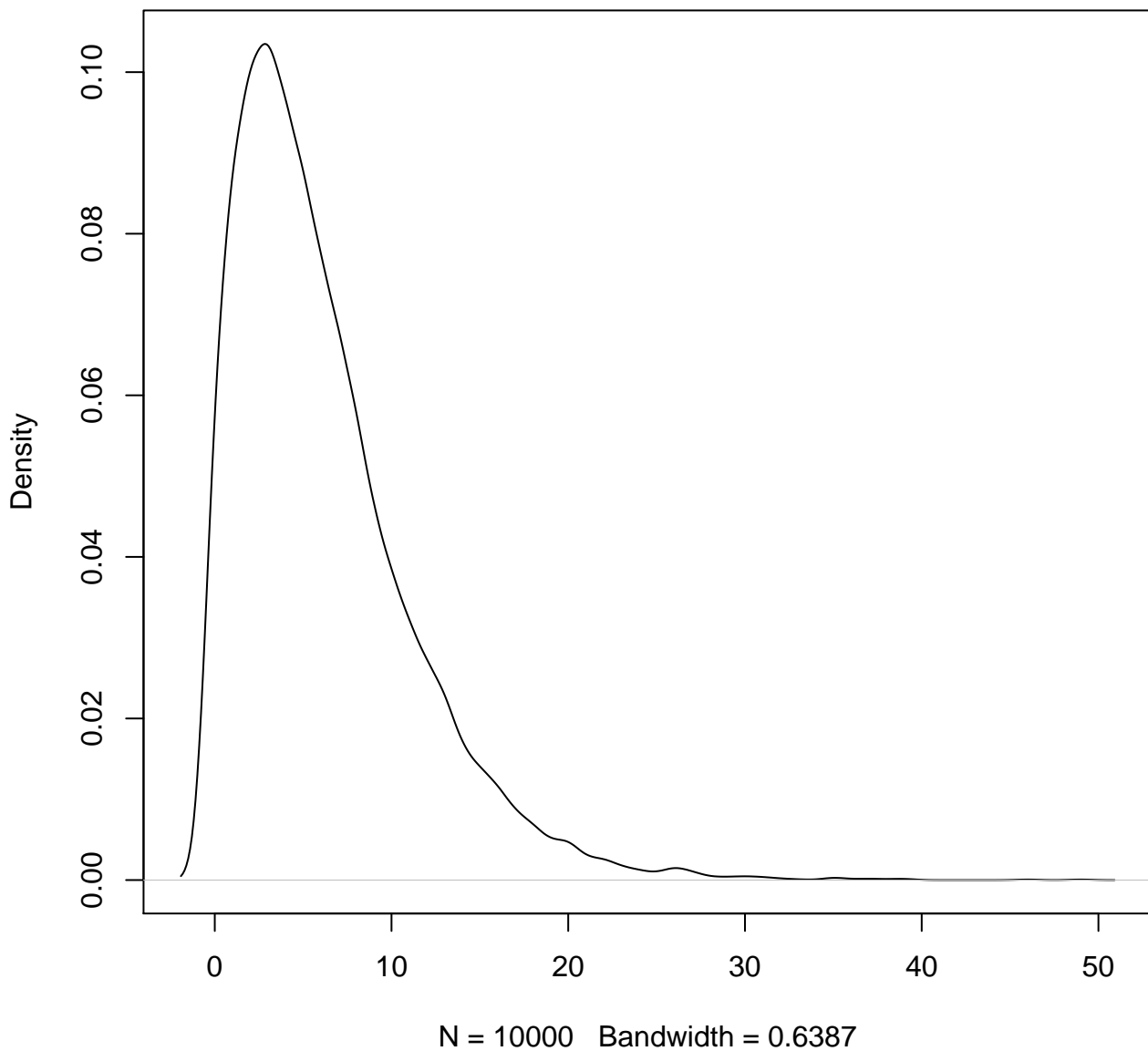
Negative binomial histogram with #Successes=2 and p=0.25

Negative binomialness plot

slope = −0.244
intercept = −3.26

prob : ML = 0.243
1−exp(slope) = 0.216

Distribution metameter

Number of occurrences

Poissonness plot

slope = 2.783
intercept = −14.448

lambda : ML = 6.107
exp(slope) = 16.164

Distribution metameter

Number of occurrences