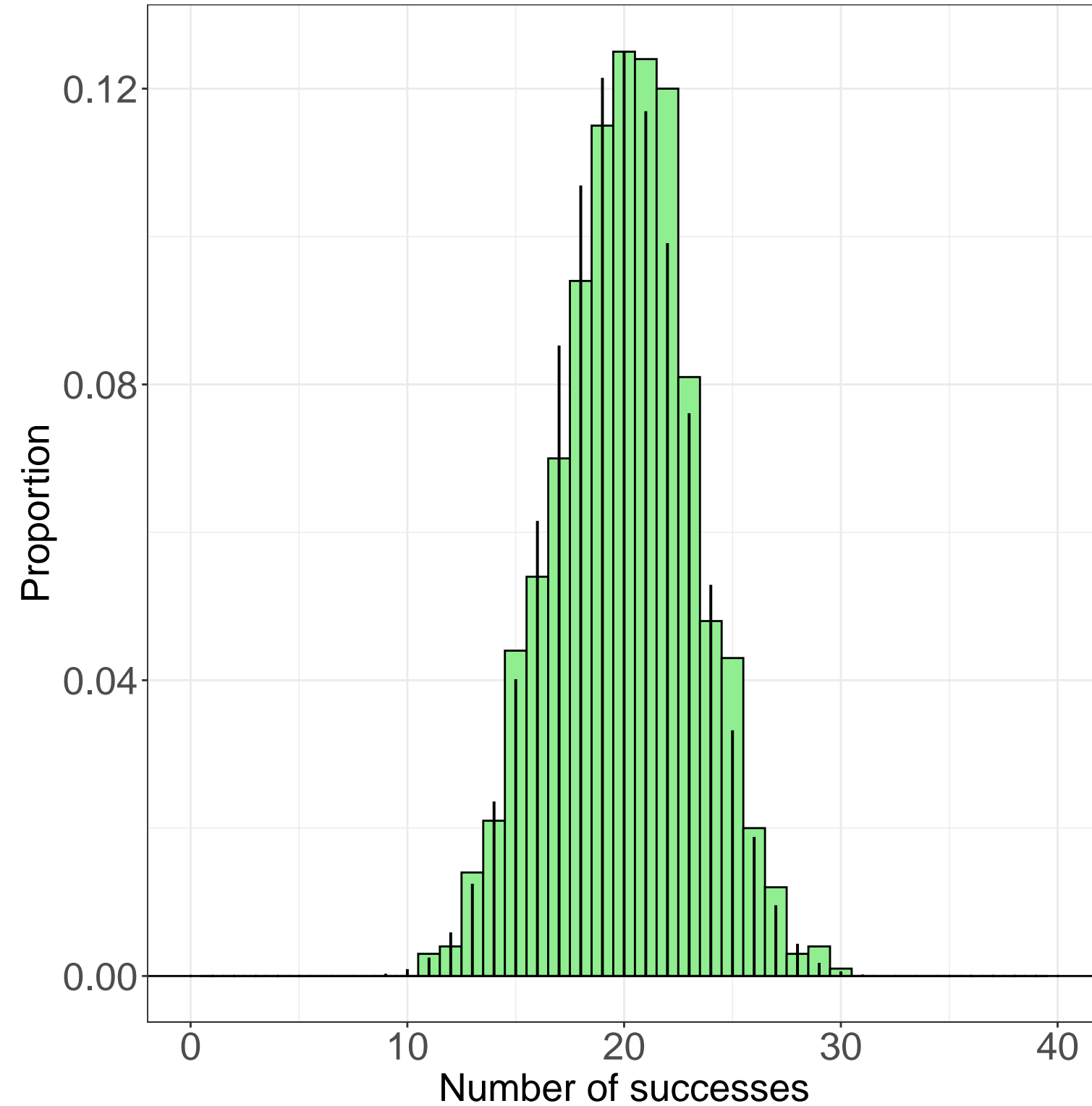Methods of Moments Estimator n = 1000
Size Estimate = 40.495 , Probability Estimate = 0.495

Maximum Likelihood Estimator n = 1000
Size Estimate = 40 , Probability Estimate = 0.501