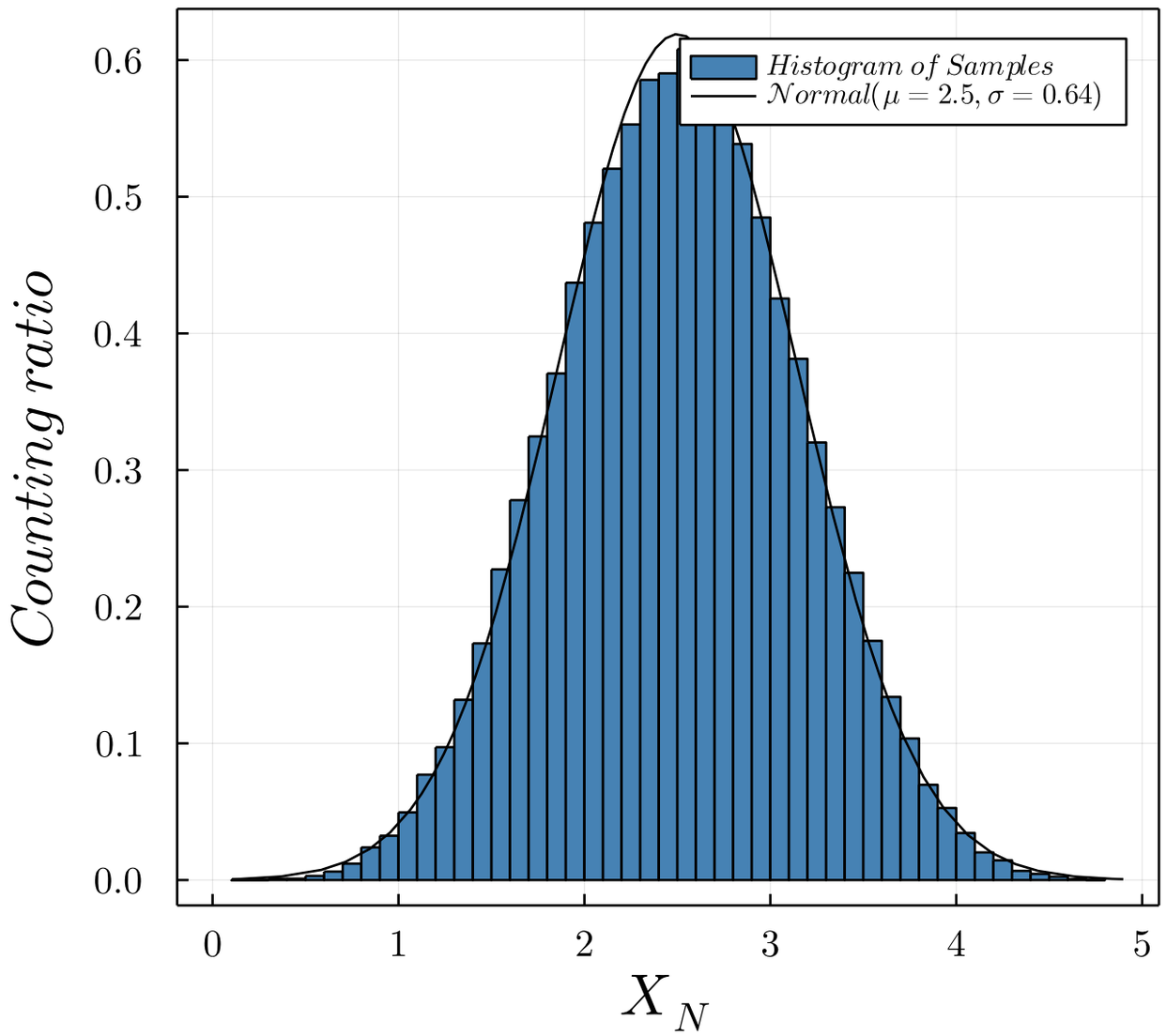
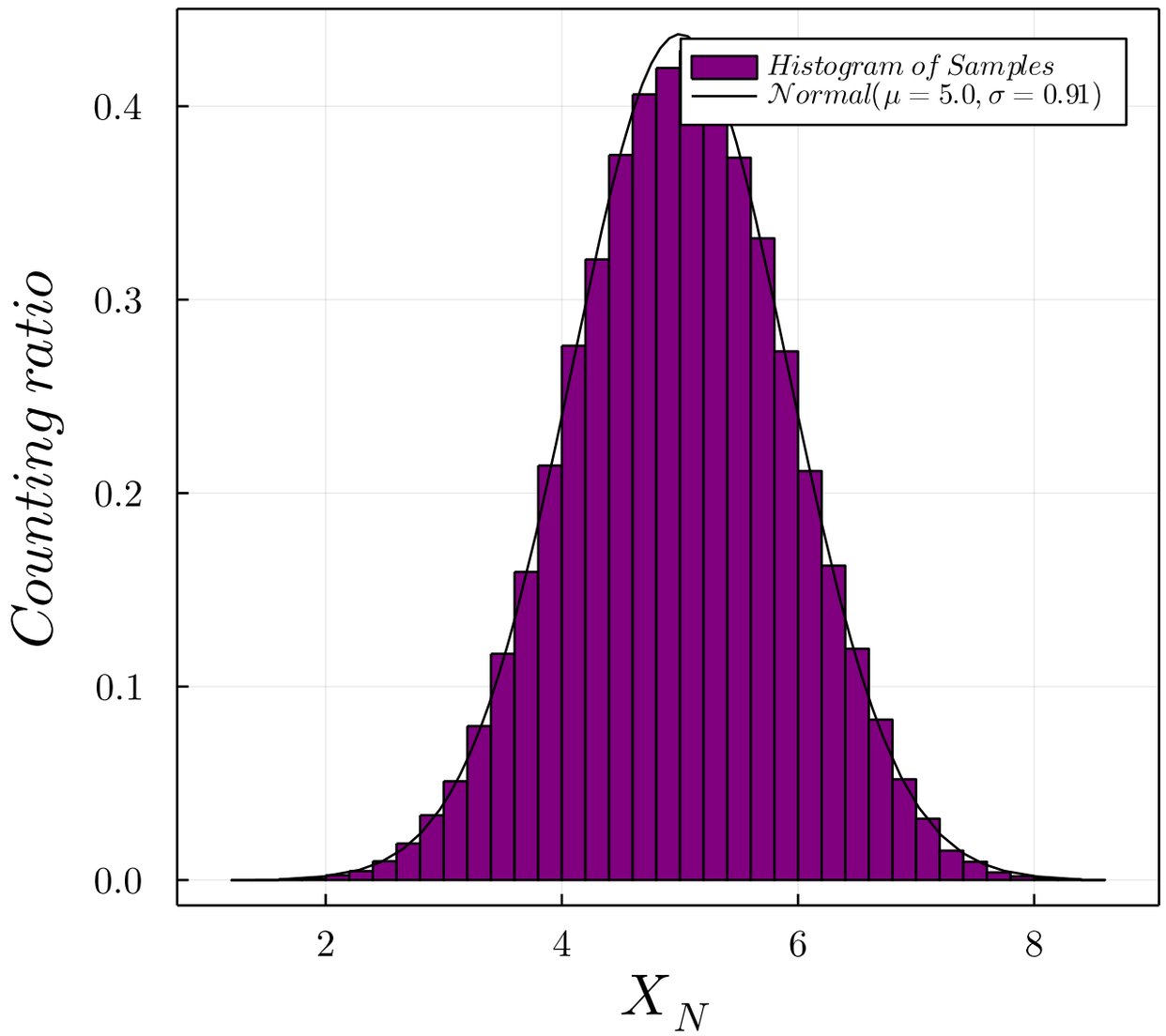
Normalized Distribution of Samples

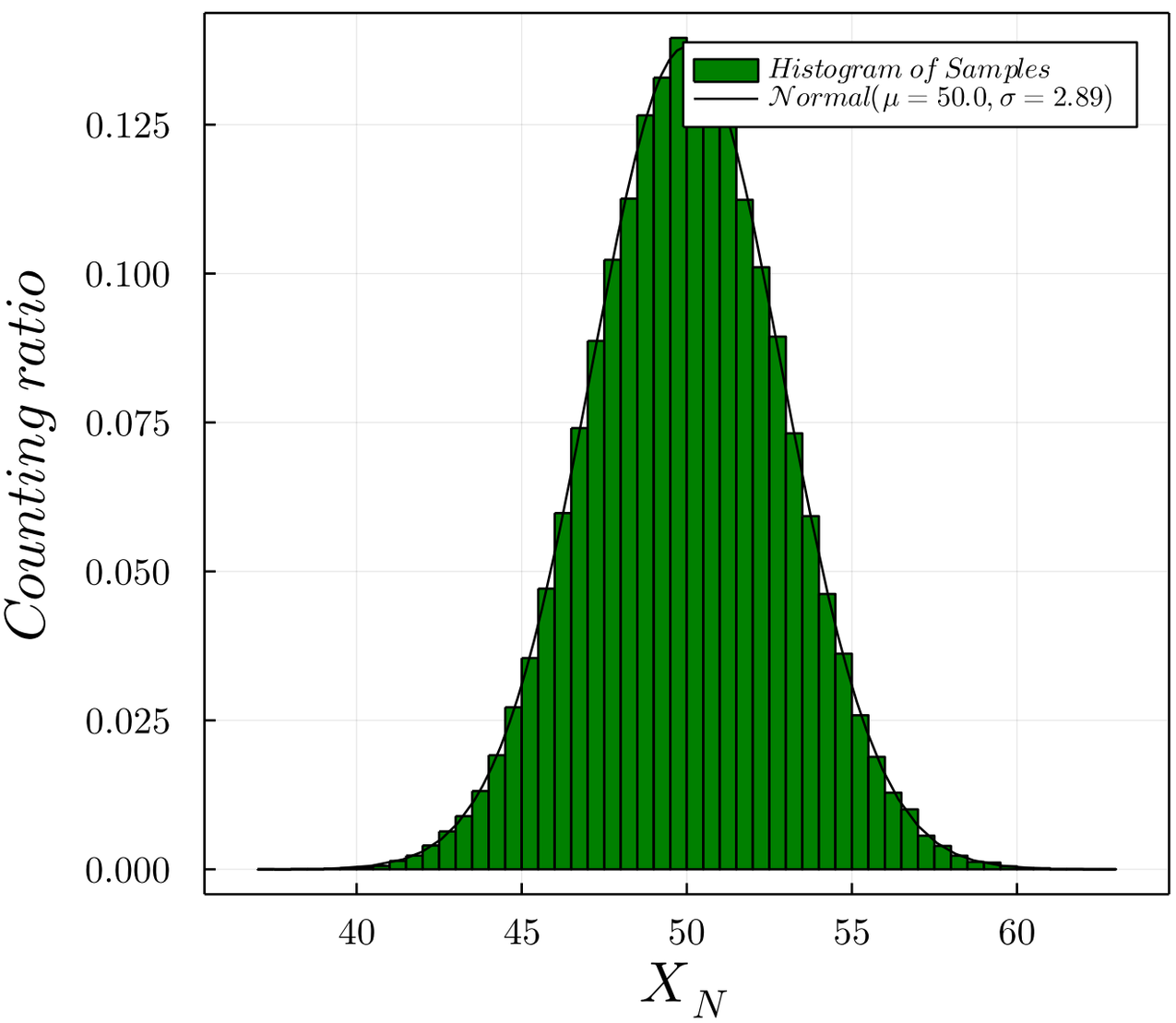
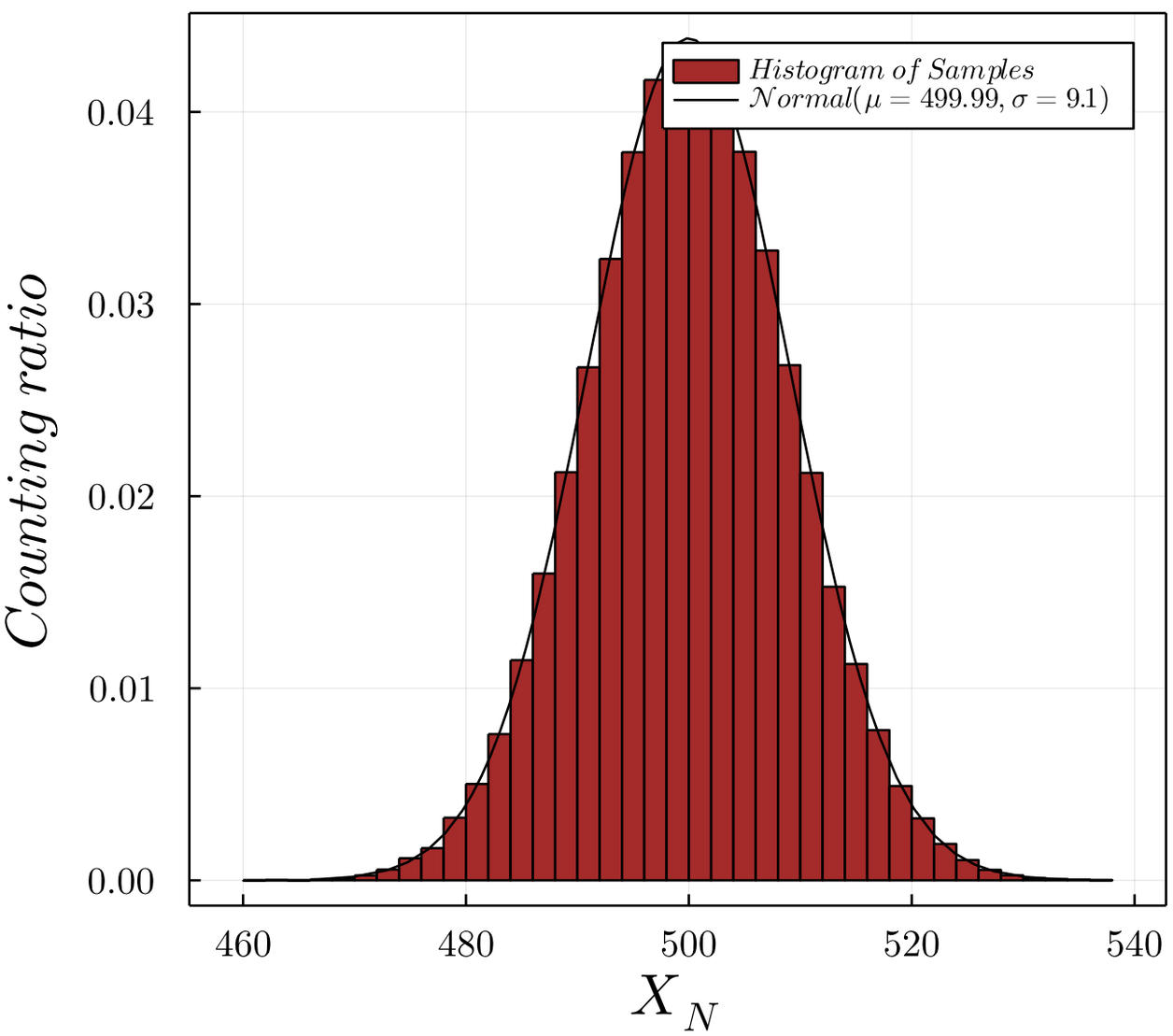
N = 5, 100000 Samples



N = 10, 100000 Samples



N = 100, 100000 Samples



N = 1000, 100000 Samples