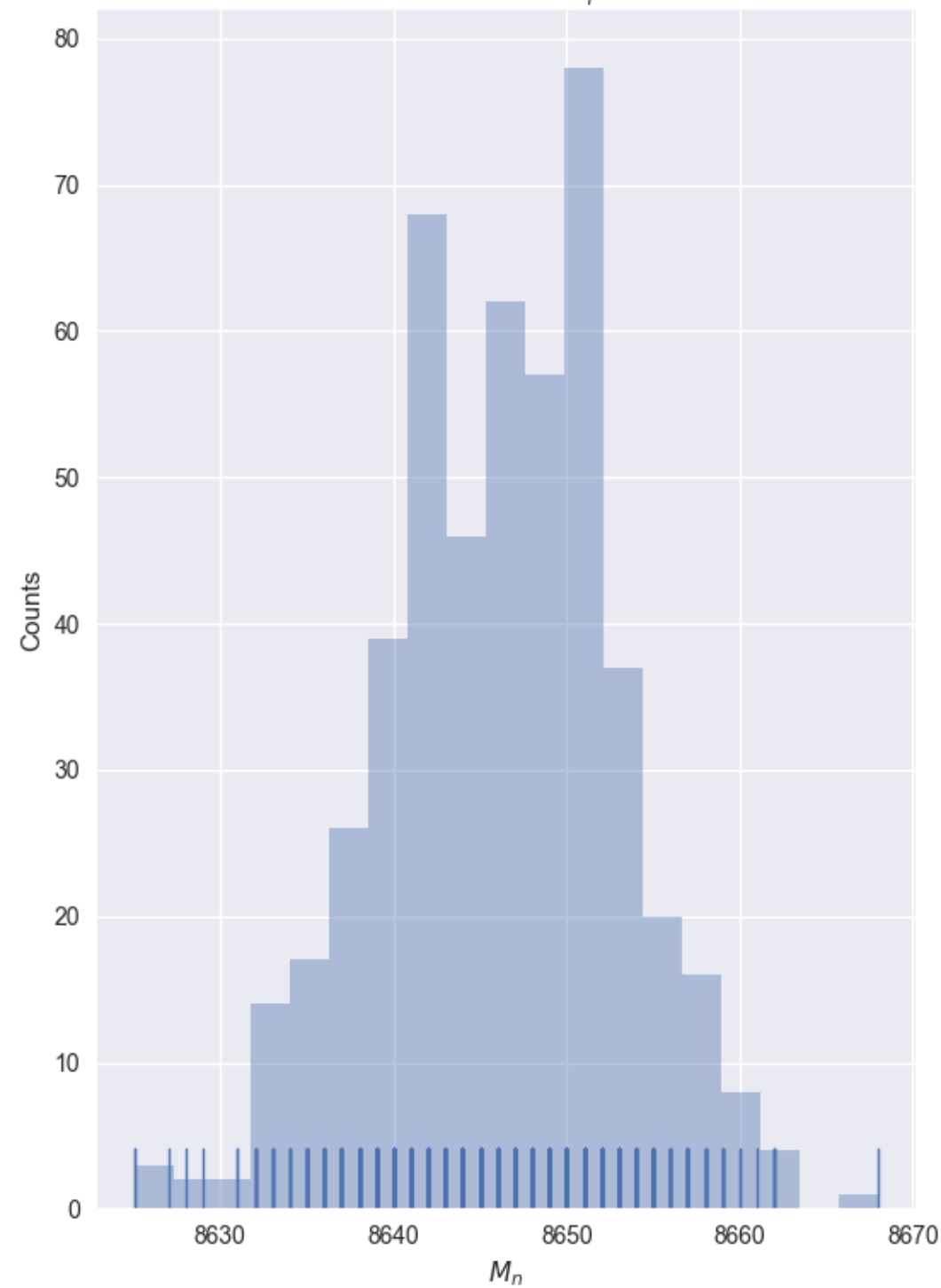
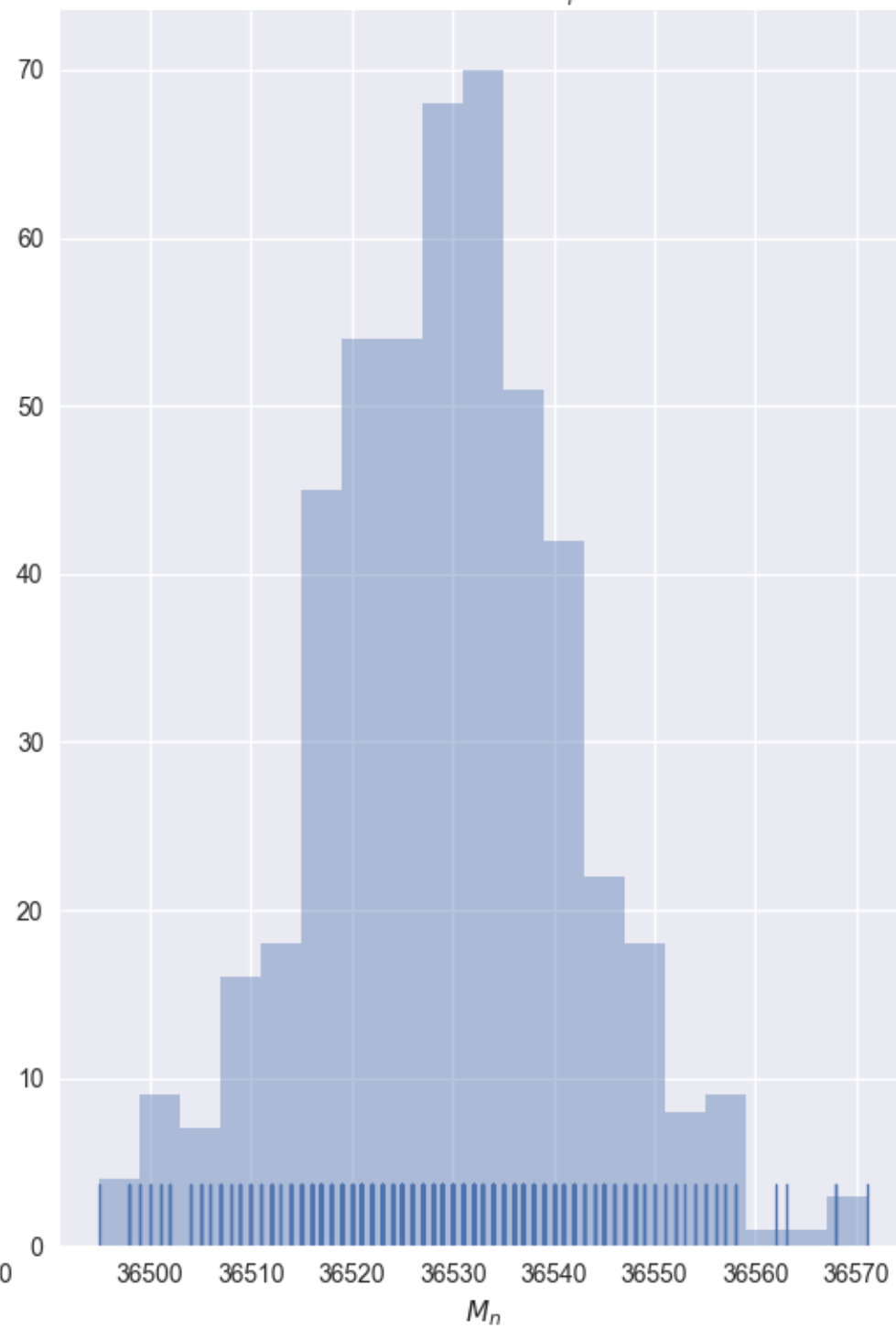


Histograms of the values of M_n for different word lengths

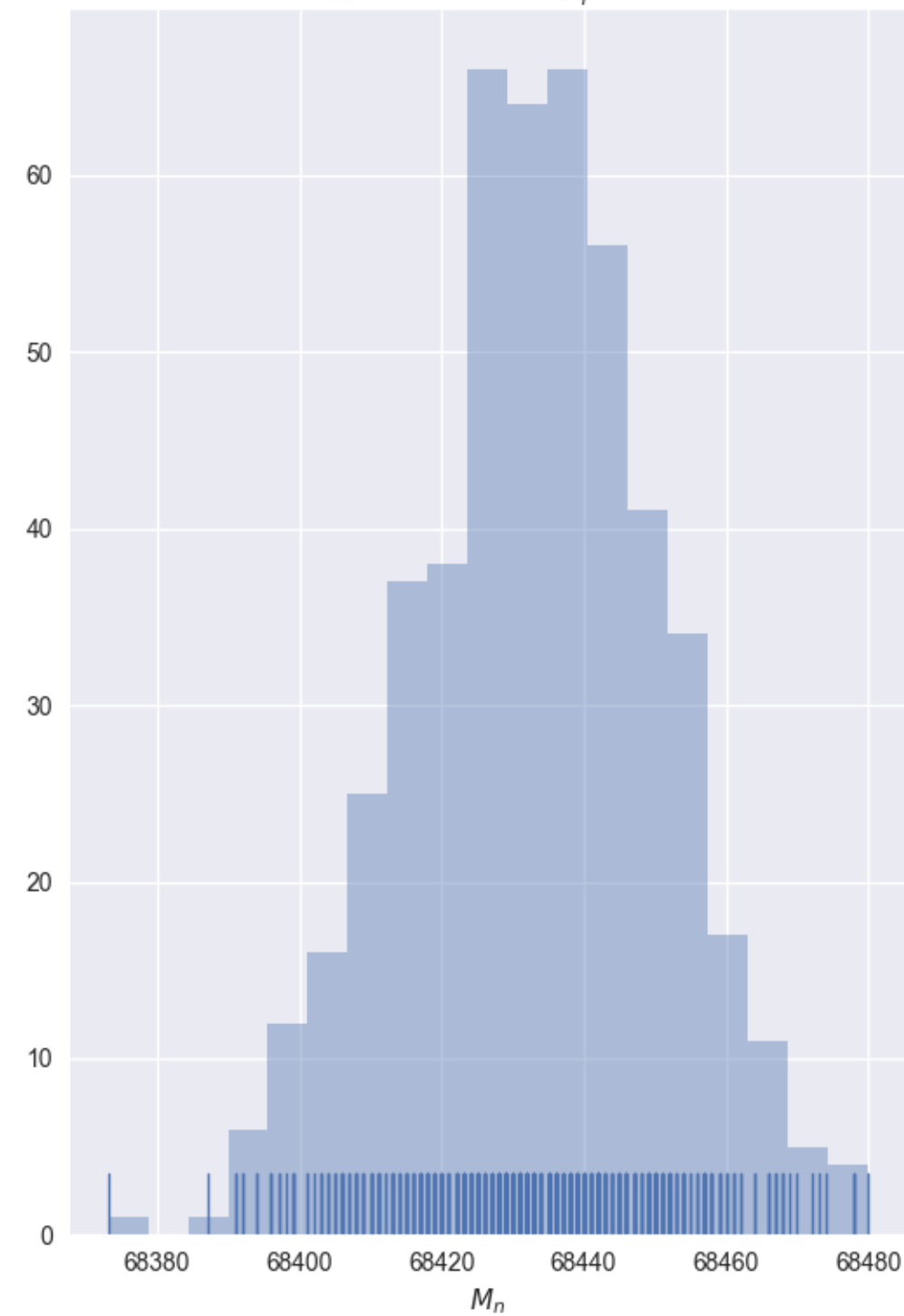
$n_{word} = 100000, n_{exp} = 500$



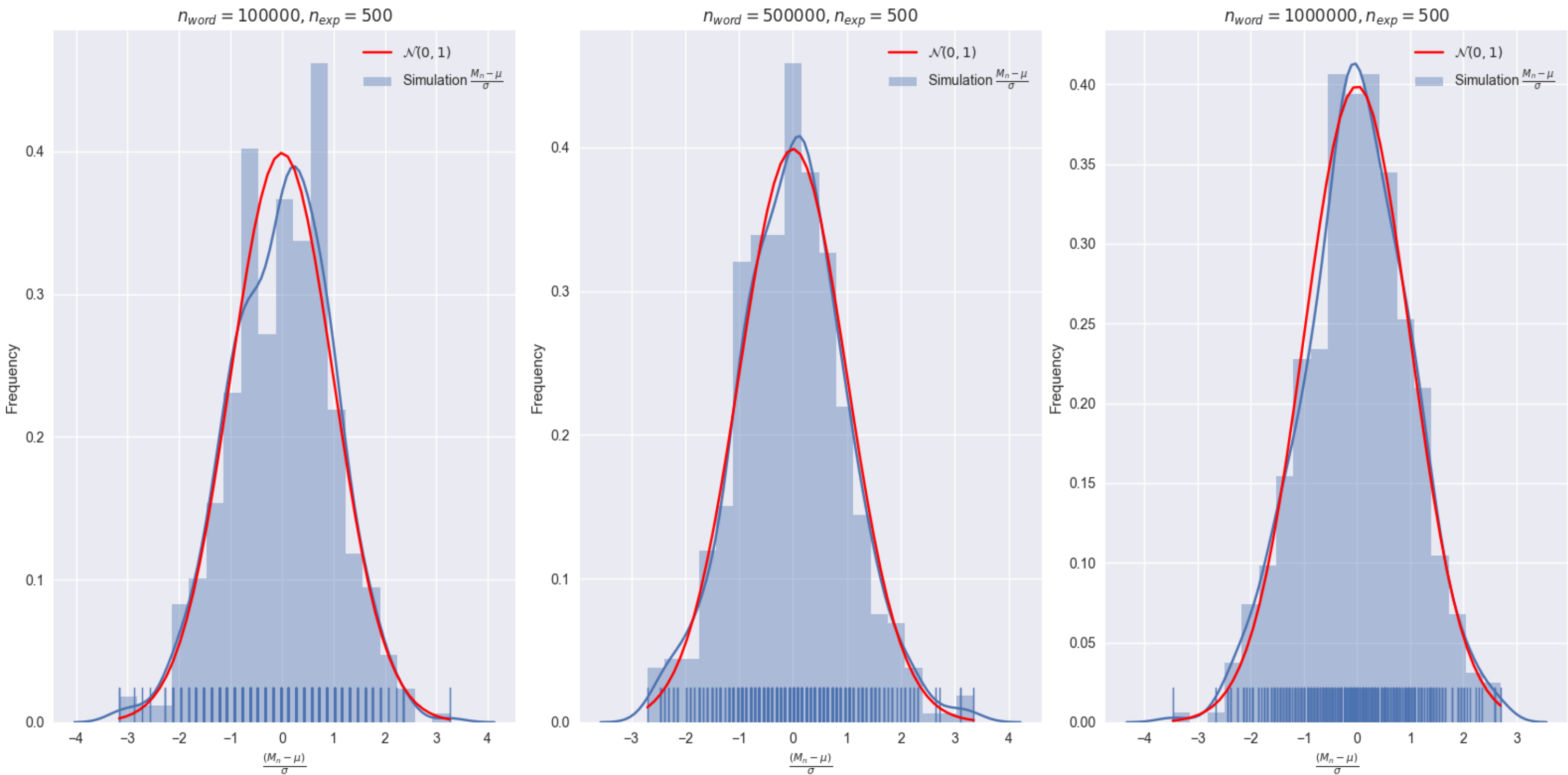
$n_{word} = 500000, n_{exp} = 500$

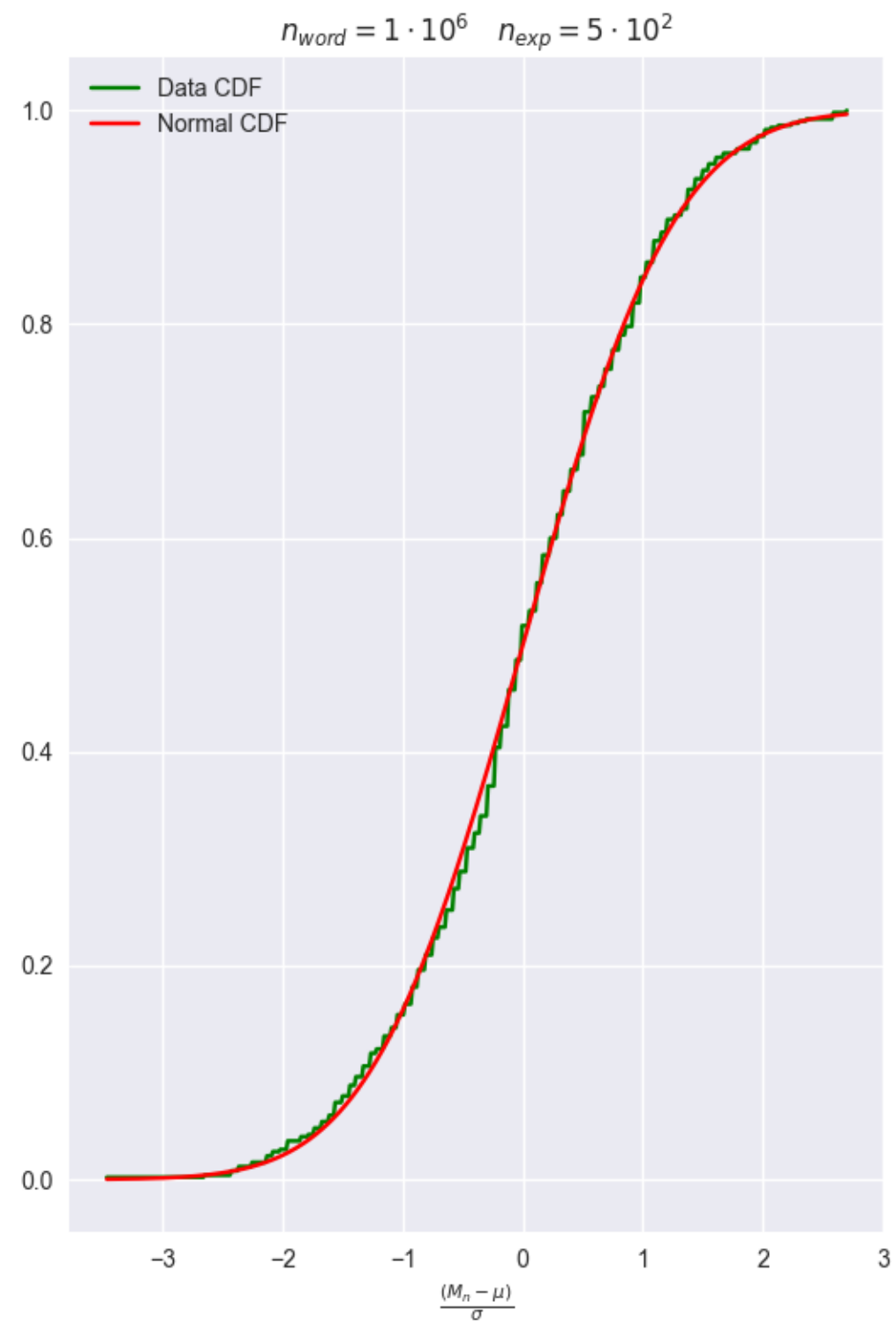
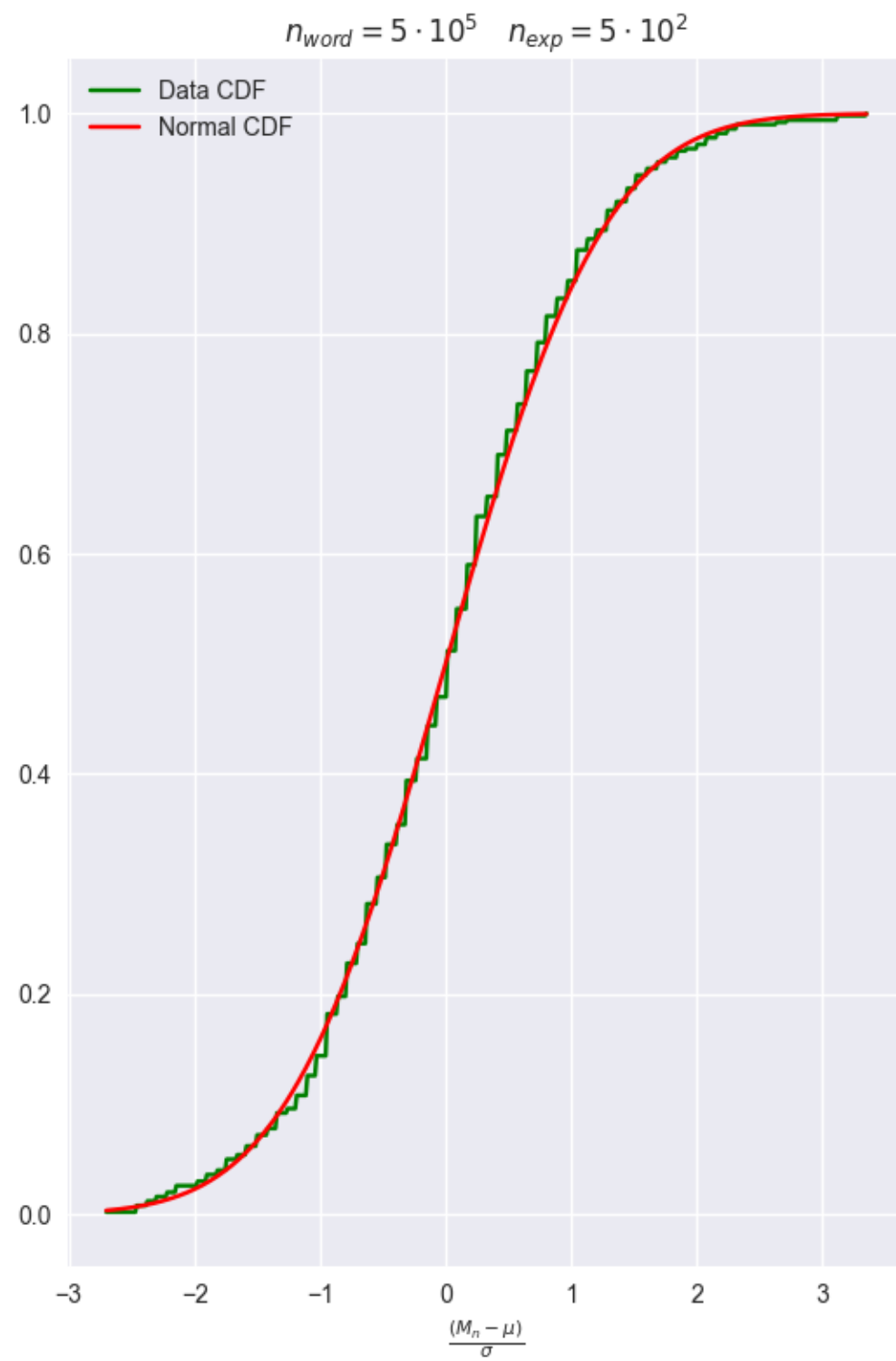
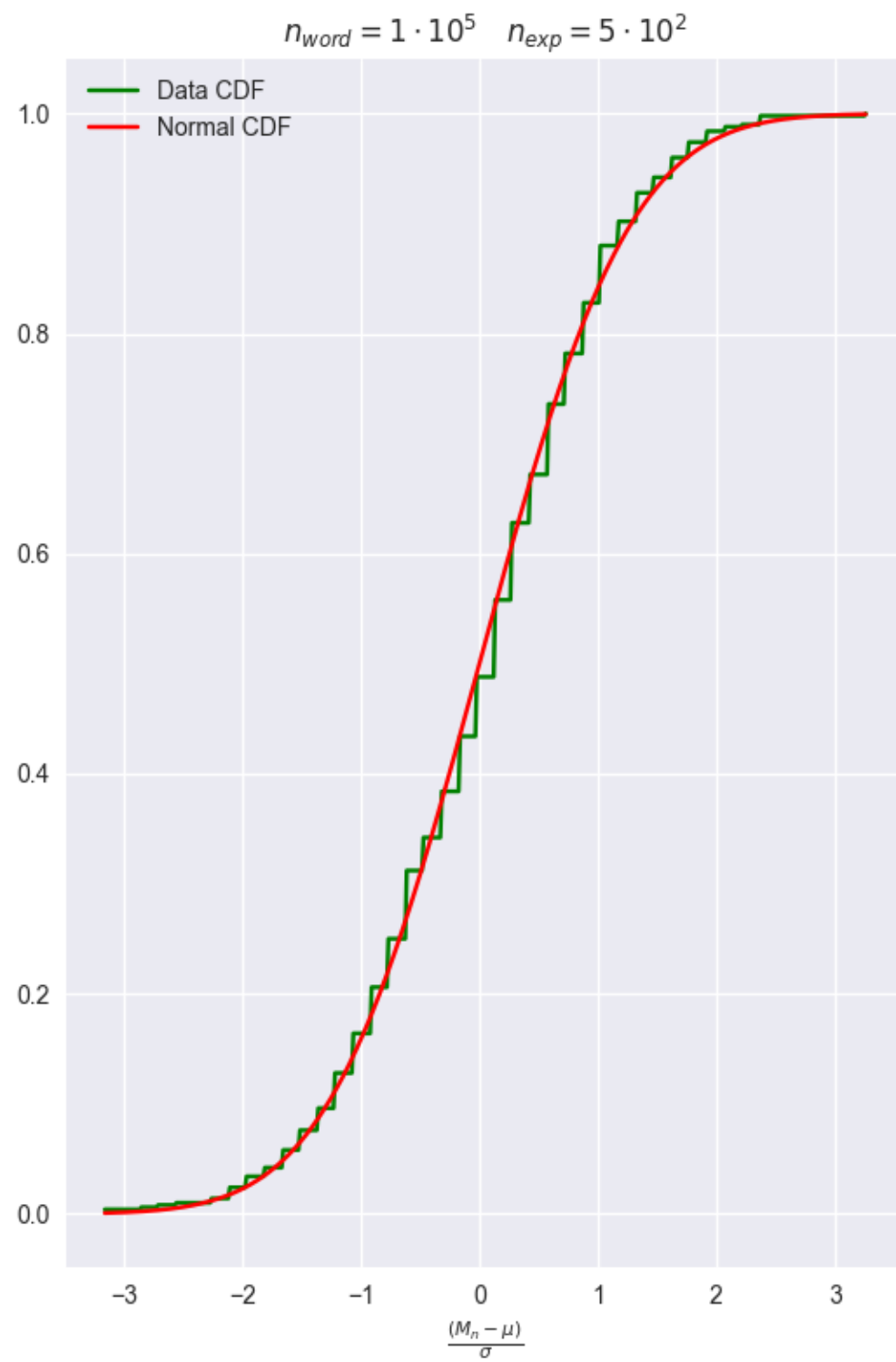


$n_{word} = 1000000, n_{exp} = 500$



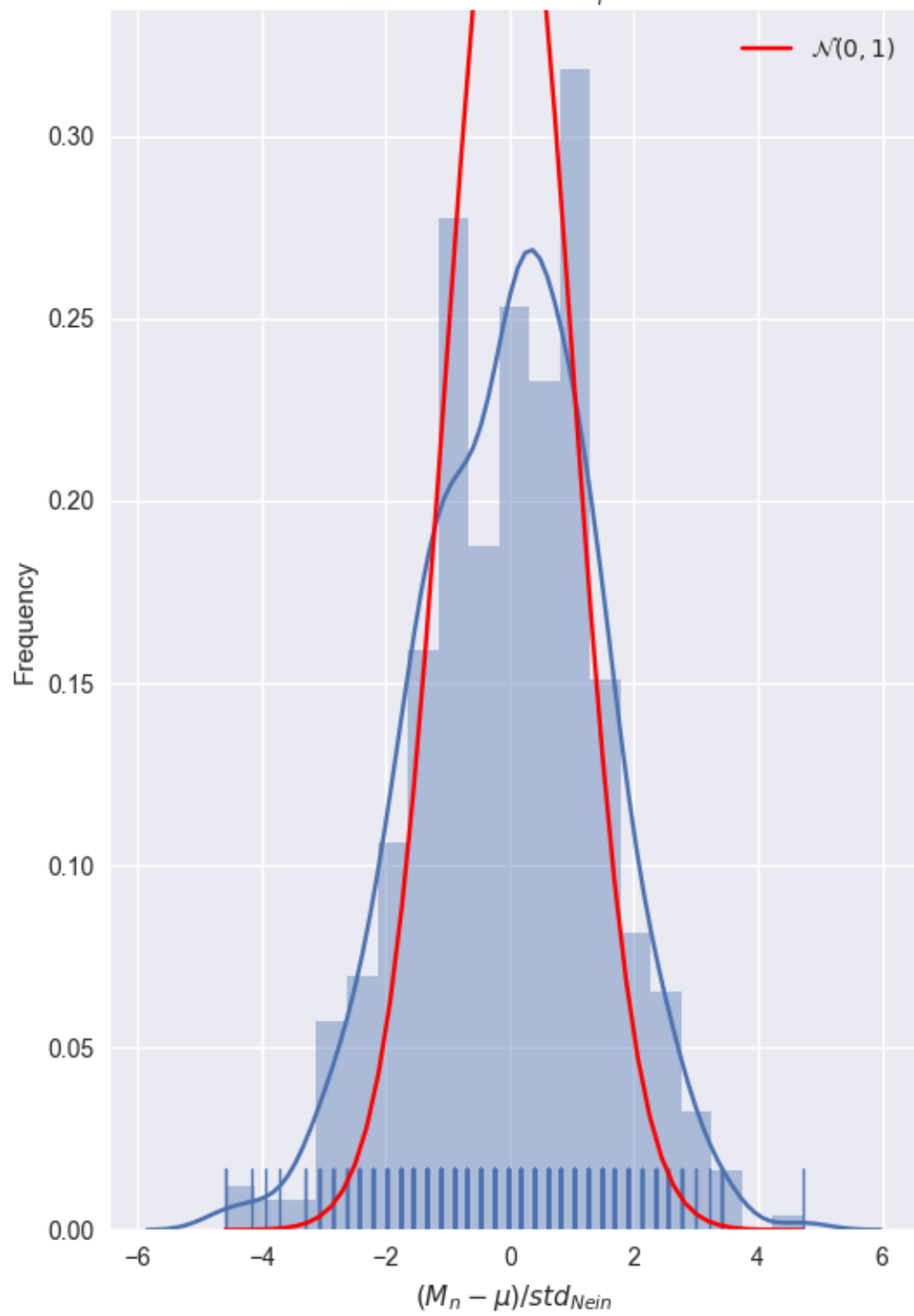
M_n distribution, normalized using empirical mean and variance



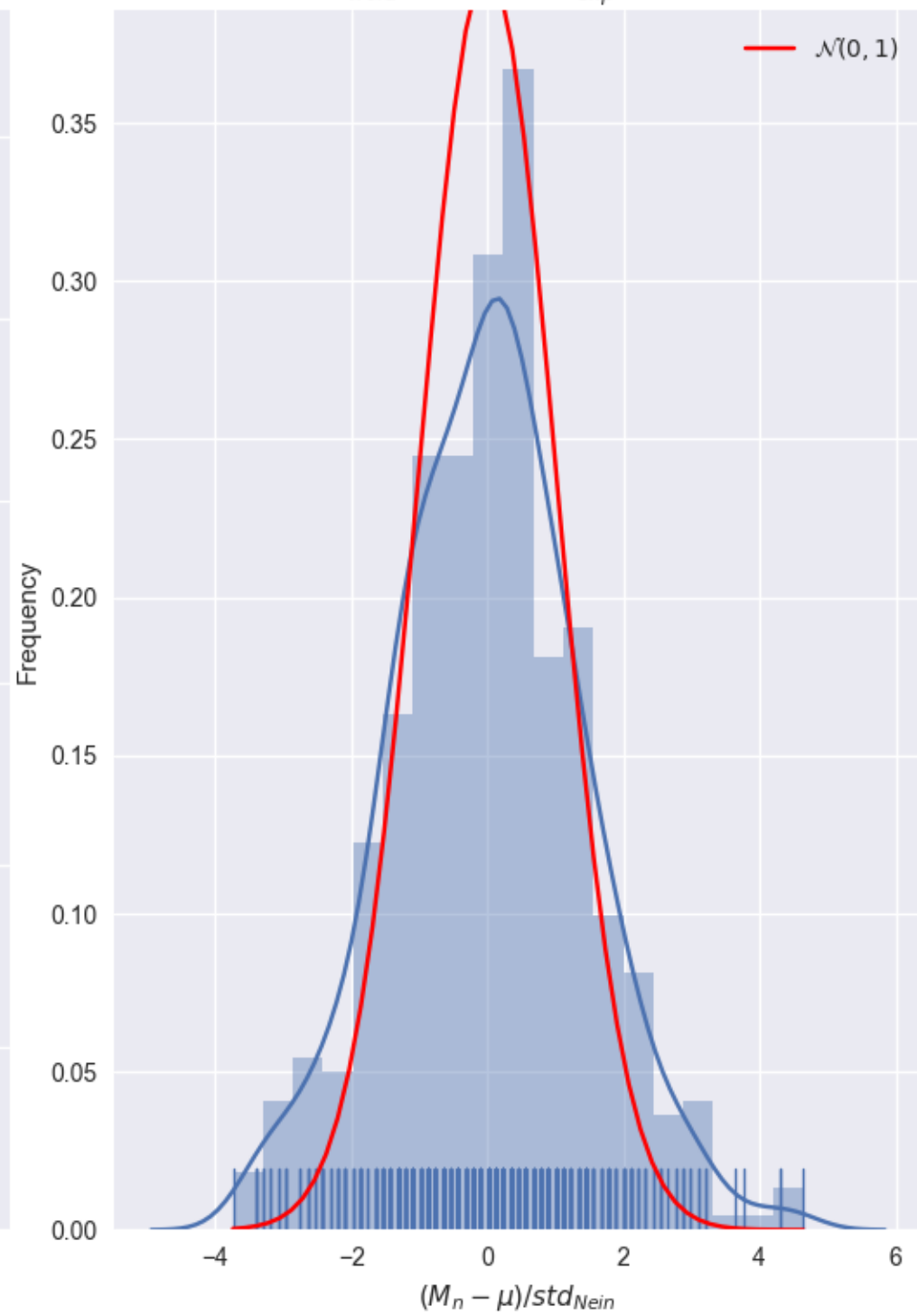
Cumulative distribution function plots for normalized M_n 

M_n distribution, normalized with empirical mean and Neininger variance.

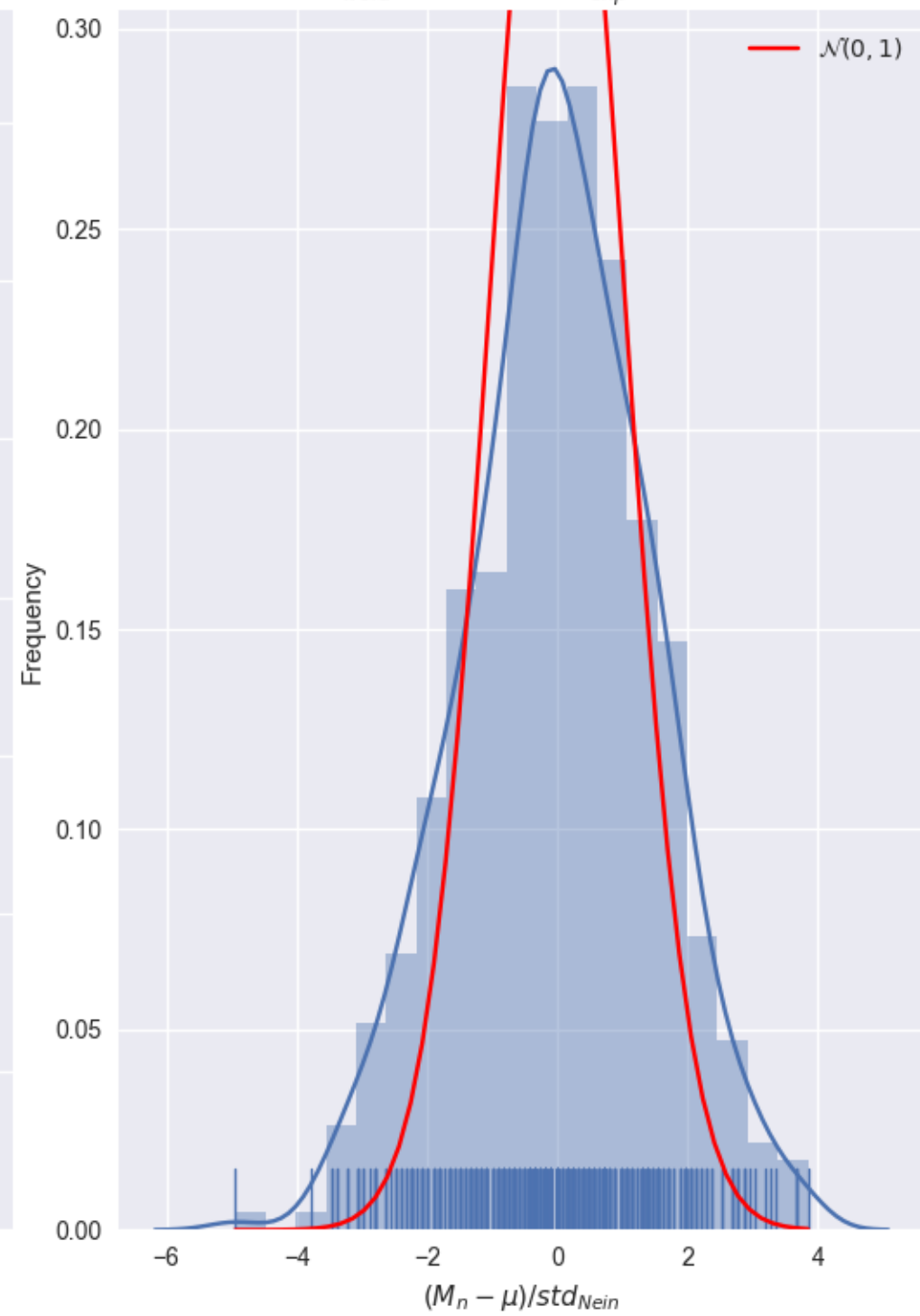
$n_{word} = 100000, n_{exp} = 500$



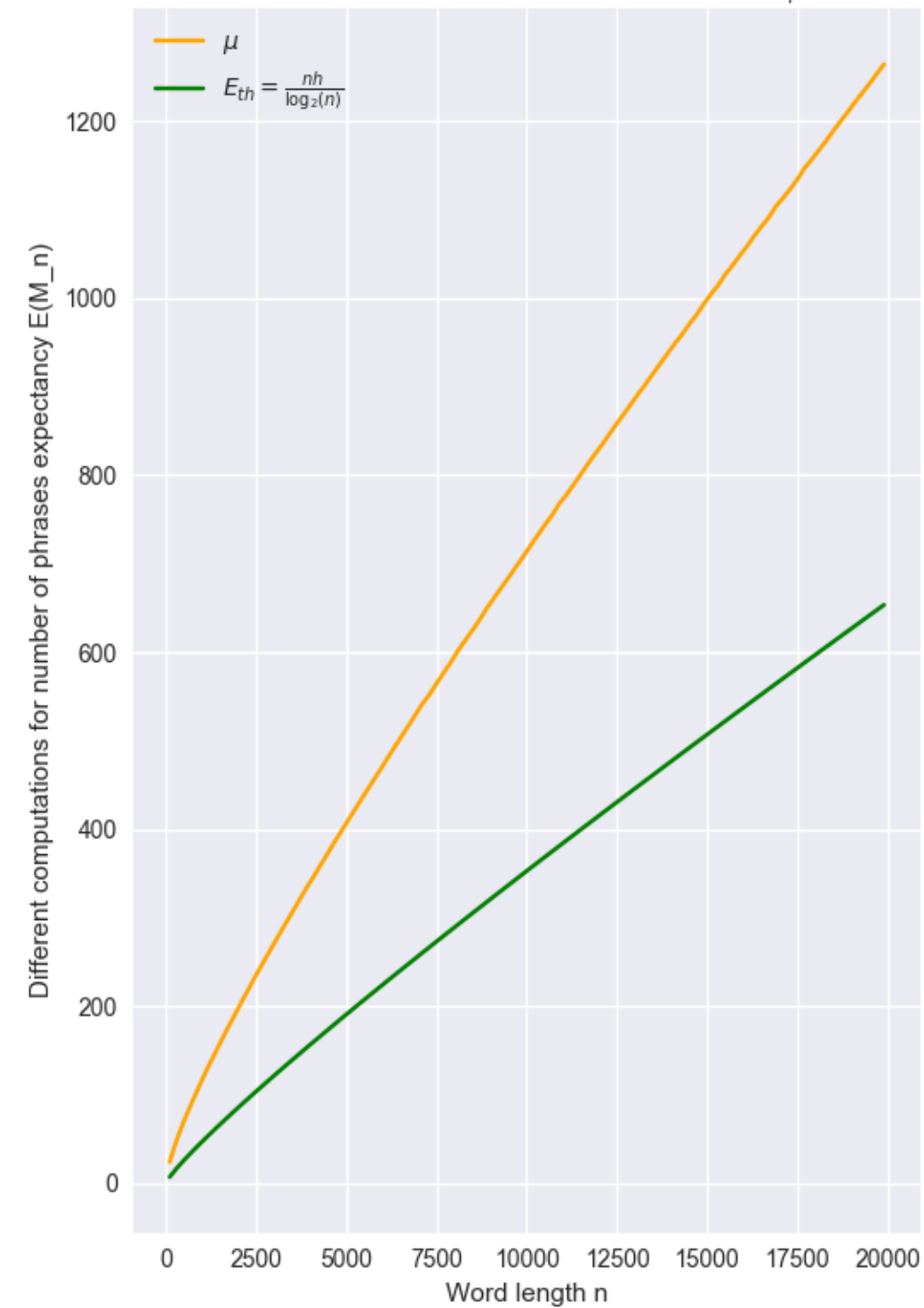
$n_{word} = 500000, n_{exp} = 500$



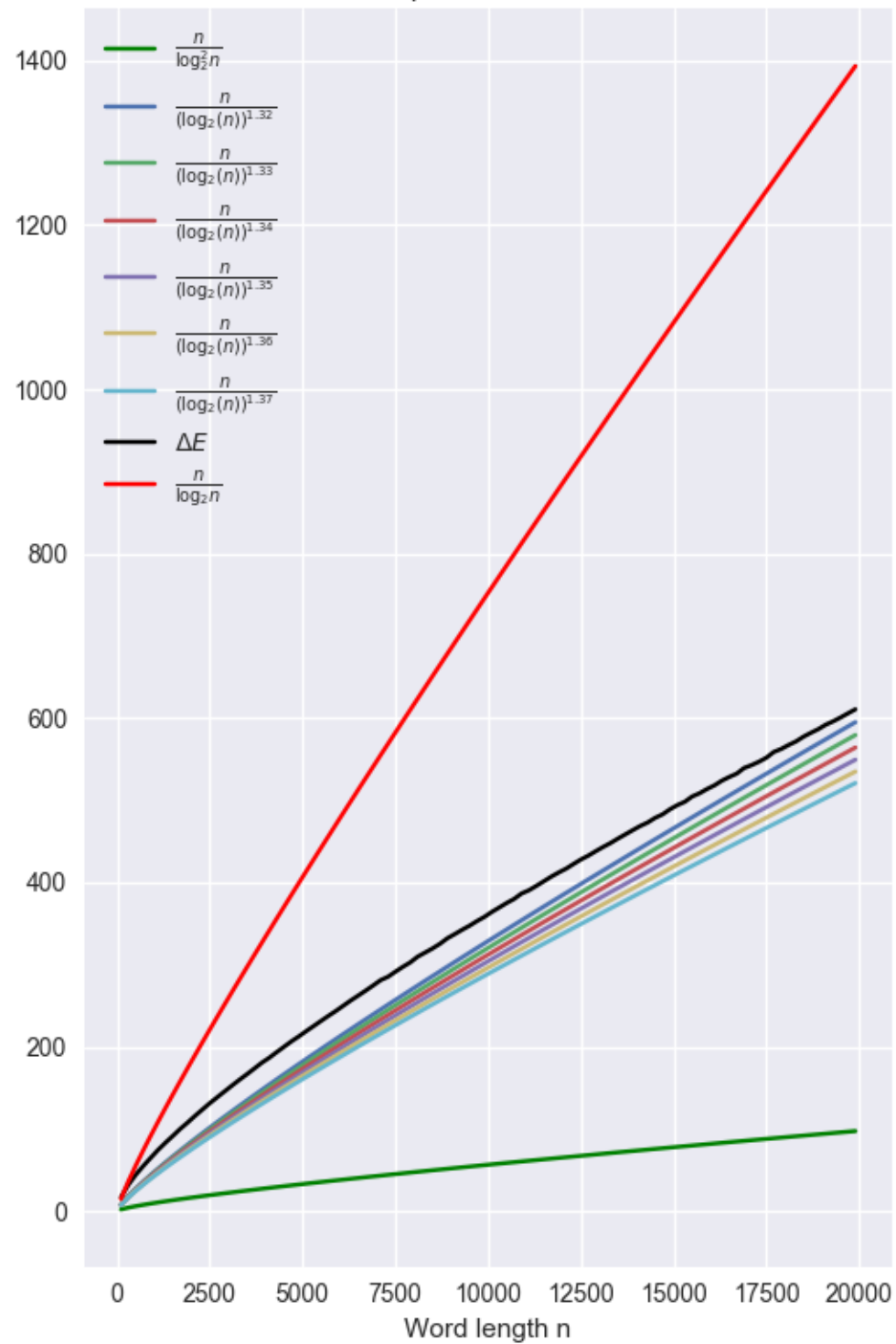
$n_{word} = 1000000, n_{exp} = 500$



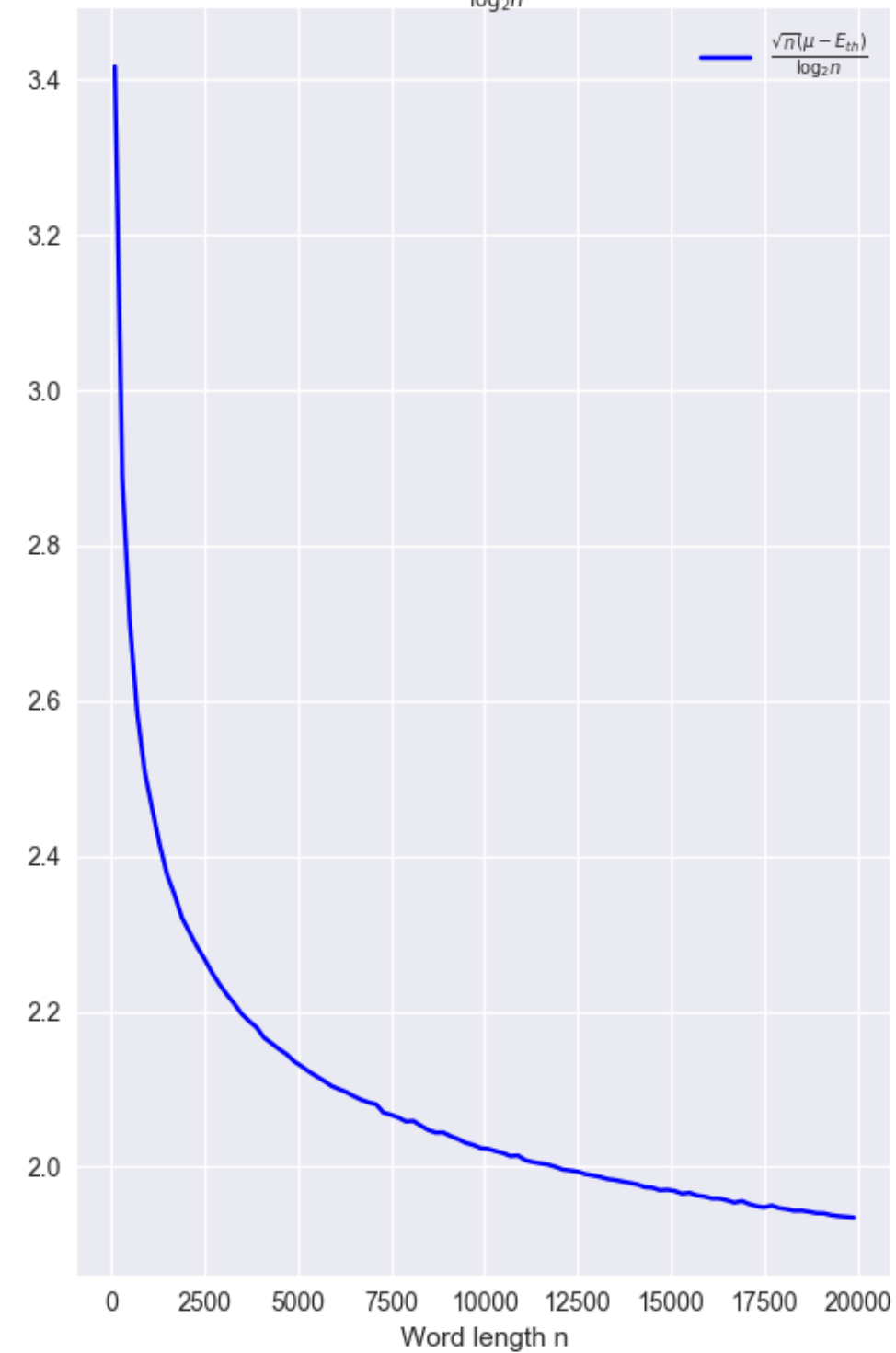
Empirical (μ) and theoretical mean (E_{th}) plots, $n_{exp} = 500$



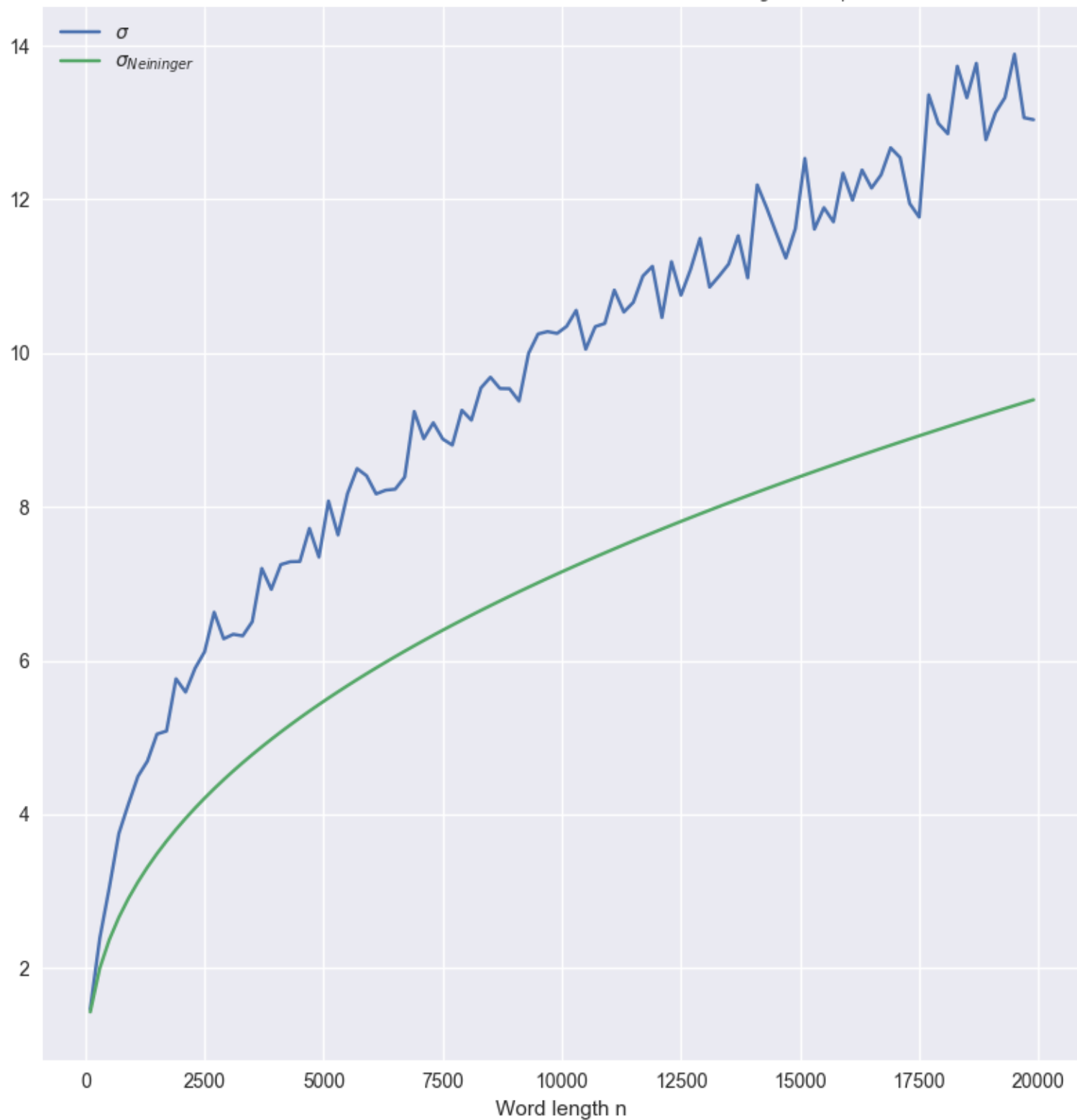
Difference $\Delta E = \mu - E_{th}$, and approximations



Verifying $\frac{\sqrt{n}(\mu - E_{th})}{\log_2 n} = o(1)$



Empirical standard deviation (σ) and theoretical ($\sigma_{Neininger}$), $n_{exp} = 500$



Difference between standard deviations, $n_{exp} = 500$

