

Practical 5:

1 – Simulate 50000 data sets with the some conditions of Practical 4 and using the following summary statistics:

Symbol	Description
π	Mean of the pairwise difference
S	Number of segregating sites
k	Number of different haplotypes
sH	Shannon's index
mMFS	Mean of the Mutation Frequency Spectrum
sdMFS	Standard Deviation of the Mutation Frequency Spectrum

2 – Plot the summary statistics against Ne.

3 – Calculate Cp index between Ne and the used summary statistics.