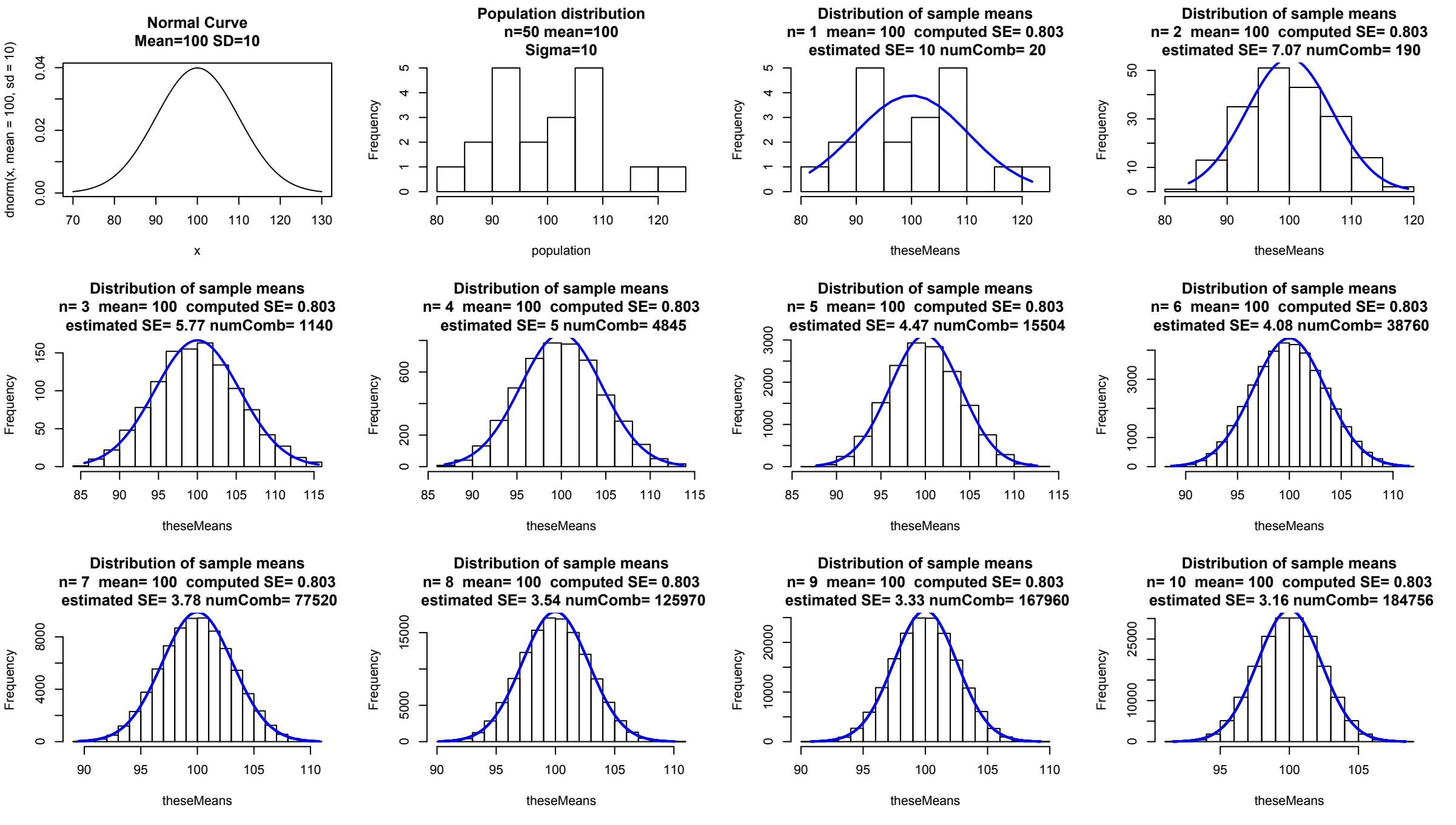
Normal Curve
Mean=100 SD=10
dnorm(x, mean = 100, sd = 10)
x
Population distribution
n=50 mean=100
Sigma=10
Frequency
population
Distribution of sample means
n= 1 mean= 100 computed SE= 0.803
estimated SE= 10 numComb= 20
Distribution of sample means
n= 2 mean= 100 computed SE= 0.803
estimated SE= 7.07 numComb= 190
Distribution of sample means
n= 3 mean= 100 computed SE= 0.803
estimated SE= 5.77 numComb= 1140
Distribution of sample means
n= 4 mean= 100 computed SE= 0.803
estimated SE= 5 numComb= 4845
Distribution of sample means
n= 5 mean= 100 computed SE= 0.803
estimated SE= 4.47 numComb= 15504
Distribution of sample means
n= 6 mean= 100 computed SE= 0.803
estimated SE= 4.08 numComb= 38760
Distribution of sample means
n= 7 mean= 100 computed SE= 0.803
estimated SE= 3.78 numComb= 77520
Distribution of sample means
n= 8 mean= 100 computed SE= 0.803
estimated SE= 3.54 numComb= 125970
Distribution of sample means
n= 9 mean= 100 computed SE= 0.803
estimated SE= 3.33 numComb= 167960
Distribution of sample means
n= 10 mean= 100 computed SE= 0.803
estimated SE= 3.16 numComb= 184756
theseMeans