n=(Nσ^2 Z^2)/((N-1) e^2+σ^2 Z^2 )=

 ((40)(0.5) ^2 1.96^2)/((40-1)(0.05^2)+(0.5^2)(1.96^2)=

40\*0.25\* 3.8416/39\*0.0025+0.25\*3.8416

38.416/0.0975+0.9604 =38.416/1.0579= 36