Act: Intervalos de Confianza

A Problema 1:

n=75, D=x=8.5, 0=0.3

80%=?

P(27a)=0.1 P(Z≤a)=1-0.1 P(ZSa)=0.9

5. a=±1.285

 $C_{0} = -1.285 \left(\frac{0.3}{\sqrt{75}}\right) + 8.5 = 8.455$ $C_{0} = 1.285 \left(\frac{0.3}{\sqrt{75}}\right) + 8.5 = 8.545$

[8,455, 8,545]

3

3

1

Problema 2: n=200, J=x=45, 0=10 P(Z>a)=0.095 P(ZEa)=0.075+1 iP(259)=0.925 in a= ± 1.435 (-Go = -1.435 (10) + 45 = 43,985 a. = 1.435 (10) + 45 = 46,015 2 85% [43,985, 46.015]

Problema 3: A= 2Vc (5) = 1.5 V. (=)=0,75 VC.0=0.750/n In= VCO n= (Vc.0) $2n = \left(\frac{V_{C-\sigma}}{0.75}\right)^2$ 4 = (1.435(10))2 n= 366.084 n=0.264196