# Nombre de alumno: Elisa Fernanda Navarro Arizmendi

# Nombre del profesor: Jorge Enrique Albores

# Nombre del trabajo: Ejercicios

# Materia: Estadística inferencial en nutrición

# Grado: 4

# Grupo: LNU

Comitán de Domínguez Chiapas a 29 de Octubre de 2021.

$N = 15000$ $D = (1000)^2/4(15000)^2$

$B = 1000$ $D = .00111$

$S^2 = 950$

$$n = \frac{(15000)(950)}{(14999)(.00111)+950}$$

$$n = \frac{14250000}{966.64889} \quad n = 14742\ \#$$

$N = 22000$ $D = (975)^2/4(22000)^2$

$B = 975$ $D = .000491$

$S^2 = 950$

$$n = \frac{(22000)(950)}{(21999)(.000491)+950}$$

$$n = \frac{20900000}{960.801509} \quad n = 21753\ \#$$

$N = 32000$ $D = (1500)^2/4(32000)^2$

$B = 1500$ $D = .000549$

$S^2 = 1300$

$$n = \frac{(32000)(1300)}{(31999)(.000549)+1300}$$

$$n = \frac{41600000}{1317.567451}$$

$n = 31574\ \#$

$N = 20000$ $D = (800)^2/4(20000)^2$

$B = 800$ $D = .0004$

$S = 75 = 5625$

$$n = \frac{(20000)(5625)}{(19999)(.0004)+5625}$$

$$n = \frac{112,500000}{5632.9996} \quad n = 19972\ \#$$

$N = 12500$ $D = \frac{(1250)^2}{4(12500)^2}$

$B = 1250$ $D = .0025$

$S^2 = 1200$

$$n = \frac{(12500)(1200)}{(12499)(.0025)+1200}$$

$$n = \frac{15000000}{1231.2475} \quad n = 12183\ \#$$

$N = 17500$ $D = (1600)^2/4(17500)^2$

$B = 1600$ $D = .00208$

$S = 150 = 22500$

$$n = \frac{(17500)(22500)}{(16499)(.00208)+22500}$$

$$n = \frac{393750000}{22534.31992} \quad n = 17474\ \#$$

$N = 1800$ $D = (1000)^2/4(1800)^2$

$B = 1000$ $D = .0771$

$S = 25 = 625$

$$n = \frac{(1800)(625)}{(1799)(.0771)+625}$$

$$n = \frac{1125000}{763.7029} \quad n = 1473\ \#$$

$N = 14500$ $D = (1000)^2/4(14500)^2$

$B = 1000$ $D = .00118$

$S^2 = 1000$

$$n = \frac{(14500)(1000)}{(14499)(.00118)+1000}$$

$$n = \frac{14500000}{1017.10882} \quad n = 14256\ \#$$

$N = 21000$ $D = (1500)^2/4(21000)^2$

$B = 1500$ $D = .00127$

$S = 100 = 10000$

$$n = \frac{(21000)(10000)}{(20999)(.00127)+10000}$$

$$n = \frac{210000000}{10026.66873}$$

$n = 20945\ \#$ $n = 20945\ \#$

Elisa Fernanda Navarro Arizmendi

Elisa Fernanda Navarro Arizmendi

$N = 21000$ $\quad D = (1000)^2 / 4(21000)^2$

$B = 1000$ $\quad D = .000566$

$S^2 = 1000$

$$n = \frac{(21000)(1000)}{(20999)(.000566) + 1000}$$

$$n = \frac{21\,000\,000}{1011.885434} \qquad n = 20754\ \#$$

$N = 15500$ $\quad D = (1000)^2 / 4(15500)^2$

$B = 1000$ $\quad D = .00104$

$S = 950 = 902500$

$$n = \frac{(15500)(902500)}{(15499)(.00104) + 902500}$$

$$n = \frac{13\,988\,750\,000}{902516.119} \qquad n = 15500\ \#$$

$N = 13000$ $\quad D = (1100)^2 / 4(13000)^2$

$B = 1100$ $\quad D = .00178$

$S^2 = 1050$

$$n = \frac{(13000)(1050)}{(12999)(.00178) + 1050}$$

$$n = \frac{13\,650\,000}{1073.1382} \qquad n = 12720\ \#$$