UNIVERSIDAD DEL SURESTE

LICENCIATURA EN ADMINISTRACIÓN Y ESTRATEGIAS DE NEGOCIO.

CUARTO CUATRIMESTRE

ASIGNATURA:

ESTADÍSTICA INFERENCIAL

TRABAJO:

EJERCICIO PRÁCTICO

QUE PRESENTA:

PRISCILA ALEJANDRA LÓPEZ GÓMEZ

FECHA DE ENTREGA: **15 DE OCTUBRE DEL 2022**

$N = 2000$

$P_1 = 55\% = 0.55$

$q_1 = 1 - P = 1 - 0.55 = 0.45$

$B_1 = 3\% = 0.03$

$n_1 =$

$$D = \frac{B^2}{4} = \frac{(0.03)^2}{4} = 0.000225$$

$$n = \frac{NPq}{(N-1)D + Pq}$$

$$n = \frac{(2000)(0.55)(0.45)}{(1.999)(0.000225) + (0.55 \times 0.45)}$$

$2000 \times .55 \times .45 = \div ((1999 \times 0.000225) + (0.55 \times 0.45))$

$= \underline{709.90}$

$P_2 = 62\% = 0.62$

$q_2 = 1 - P = 1 - 0.62 = 0.38$

$B_2 = 4\% = 0.04$

$n_2 =$

$$D = \frac{B^2}{4} = \frac{(0.04)^2}{4} = 0.0004$$

$$n = \frac{NPq}{(N-1)D + Pq}$$

$$n = \frac{(2000)(0.62)(0.38)}{(1999)(0.0004) + (0.62 \times 0.38)}$$

$2000 \times .62 \times .38 = \div ((1999 \times 0.0004) + (0.62 \times 0.381)$

$9 = \underline{455.17}$

$N = 5000$

$P = 50\% = 0.5$

$q = 1 - P = 1 - 0.5 = 0.5$

$B = 5\% = 0.05$

$n =$

$$D = \frac{B^2}{4} = \frac{(0.05)^2}{4} = 0.000625$$

$$n = \frac{NPq}{(N-1)D + Pq}$$

06-octubre 2022   ×1500

$$n = \frac{(5000)(0.5)(0.5)}{(4999)(0.000625) + (0.5 \times 0.5)}$$

$$5000 \times .5 \times .5 \div ((4999 \times 0.000625) + (0.5 \times 0.5))$$

$$= 370.43$$