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Nombre del trabajo: Ejercicios

Materia: Estadística

Grado: 4° cuatrimestre

Grupo: "A"

$$\begin{aligned}
 N &= 15000 \\
 B &= 1000 \\
 S &= 950 \\
 n &= 14742
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{1000^2}{4(15000)^2} = 0.00111 \\
 n &= \frac{(15000)(950)}{(14999)(0.00111) + (950)} = 14742
 \end{aligned}
 \quad \underline{1}$$

$$\begin{aligned}
 N &= 22000 \\
 B &= 975 \\
 S &= 950 \\
 n &= 21753
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{975^2}{4(22000)^2} = 0.000491 \\
 n &= \frac{(22000)(950)}{(21999)(0.000491) + (950)} = 21753
 \end{aligned}
 \quad \underline{2}$$

$$\begin{aligned}
 N &= 32000 \\
 B &= 1500 \\
 S &= 1300 \\
 n &= 31574
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{1500^2}{4(32000)^2} = 0.000549 \\
 n &= \frac{(32000)(1300)}{(31999)(0.000549) + (1300)} = 31574
 \end{aligned}
 \quad \underline{3}$$

$$\begin{aligned}
 N &= 12500 \\
 B &= 1250 \\
 S &= 1200 \\
 n &= 12183
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{1250^2}{4(12500)^2} = 0.0025 \\
 n &= \frac{(12500)(1200)}{(12499)(0.0025) + (1200)} = 12183
 \end{aligned}
 \quad \underline{4}$$

$$\begin{aligned}
 N &= 20000 \\
 B &= 800 \\
 S &= 75 \\
 n &= 19972
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{800^2}{4(20000)^2} = 0.0004 \\
 n &= \frac{(20000)(5625)}{(19999)(0.0004) + (5625)} = 19972
 \end{aligned}
 \quad \underline{5}$$

$$\begin{aligned}
 N &= 17500 \\
 B &= 1600 \\
 S &= 150 \\
 n &= 17472
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{1600^2}{4(17500)^2} = 0.00208 \\
 n &= \frac{(17500)(22500)}{(17499)(0.00208) + (22500)} = 17472
 \end{aligned}
 \quad \underline{6}$$

$$\begin{aligned}
 N &= 1800 \\
 B &= 1000 \\
 S &= 25 \\
 n &= 1473
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{(1000)^2}{4(1800)^2} = 0.0771 \\
 n &= \frac{(1800)(25)^2}{(1799)(0.0771) + (25)^2} = 1473
 \end{aligned}
 \quad \underline{7}$$

$$\begin{aligned}
 N &= 14500 \\
 B &= 1000 \\
 S &= 1000 \\
 n &= 14256
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{(1000)^2}{4(14500)^2} = 0.00118 \\
 n &= \frac{(14500)(1000)}{(14499)(0.00118) + (1000)} = 14256
 \end{aligned}
 \quad \underline{8}$$

$$\begin{aligned}
 N &= 21000 \\
 B &= 1500 \\
 S &= 100 \\
 n &= 20945
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{(1500)^2}{4(21000)^2} = 0.00127 \\
 n &= \frac{(21000)(100)^2}{(20999)(0.00127) + (100)^2} = 20945
 \end{aligned}
 \quad \underline{9}$$

$$\begin{aligned}
 N &= 21000 \\
 B &= 1000 \\
 S &= 1000 \\
 n &= 20754
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{(1000)^2}{4(21000)^2} = 0.000566 \\
 n &= \frac{(21000)(1000)}{(20999)(0.000566) + (1000)} = 20754
 \end{aligned}
 \quad \underline{10}$$

$$\begin{aligned}
 N &= 15500 \\
 B &= 1000 \\
 S &= 950 \\
 n &= 15
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{(1000)^2}{4(15500)^2} = 0.000104 \\
 n &= \frac{(15500)(902500)}{(15499)(0.000104) + (902500)} = 15500
 \end{aligned}
 \quad \underline{11}$$

$$\begin{aligned}
 N &= 13000 \\
 B &= 1100 \\
 S &= 1050 \\
 n &= 12720
 \end{aligned}
 \quad
 \begin{aligned}
 D &= \frac{(1100)^2}{4(13000)^2} = 0.00178 \\
 n &= \frac{(13000)(1050)}{(12999)(0.00178) + (1050)} = 12720
 \end{aligned}
 \quad \underline{12}$$