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Nombre del trabajo: Actividad

Materia: Estadística

Grado: cuarto cuatrimestre

Grupo

Proxima Bdm Lqper Lqper

Extrato 1

$$\begin{array}{r} 200 \\ 220 \\ 180 \\ 230 \\ 190 \\ \hline 1020 \end{array} \quad \begin{array}{l} \bar{x} = \frac{1020}{5} = 204 \\ s = 430 \\ \text{qs} = 208.4 \\ \text{Efi}^2 = 209.800 \end{array}$$

Extrato 2

$$\begin{array}{r} 195 \\ 230 \\ 210 \\ 200 \\ 170 \\ \hline 1005 \end{array} \quad \begin{array}{l} \bar{x} = \frac{1005}{5} = 201 \\ s = 480 \\ \text{Efi}^2 = 203.925 \end{array}$$

Extrato 3

$$\begin{array}{r} 240 \\ 195 \\ 208 \\ 215 \\ 230 \\ \hline 1088 \end{array} \quad \begin{array}{l} \bar{x} = \frac{1088}{5} = 217.6 \\ s = 316.3 \\ \text{Efi}^2 = 238.014 \end{array}$$

Extrato 4

$$\begin{array}{r} 215 \\ 200 \\ 225 \\ 205 \\ 210 \\ \hline 1055 \end{array} \quad \begin{array}{l} \bar{x} = \frac{1055}{5} = 211 \\ s = 92.5 \\ \text{Efi}^2 = 222.975 \end{array}$$

P.E → qs = 208.4

V.E → 13.73

$$\sqrt{13.73} = 3.70$$

$$13.73 \begin{cases} -3.4 \\ +3.4 \end{cases}$$

$$\begin{array}{l} N_1 = 24 = 40 \left(\frac{24}{120} \right) = 8 \\ N_2 = 36 = 40 \left(\frac{36}{120} \right) = 12 \\ N_3 = 30 = 40 \left(\frac{30}{120} \right) = 10 \\ N_4 = 30 = 40 \left(\frac{30}{120} \right) = 10 \\ n = 40 \\ N = 120 \end{array}$$

$$\begin{array}{l} \text{qs} = 2 \sqrt{13.73} \\ 106.17 \pm 2 \sqrt{17.67} \\ 106.17 \pm 2.53 \end{array}$$

Extrato 1

$$\begin{array}{r} 115 \\ 105 \\ 98 \\ 90 \\ 103 \\ 108 \\ 112 \\ \hline 100 \\ 831 \end{array} \quad \begin{array}{l} \bar{x} = \frac{831}{8} = 103.875 \\ s = 64.41 \\ \text{Efi} = 831 \\ \text{Efi}^2 = 86.771 \end{array}$$

Extrato 2

$$\begin{array}{r} 100 \\ 125 \\ 120 \\ 102 \\ 93 \\ 98 \\ 99 \\ \hline 105 \\ 104 \\ 106 \\ 115 \\ 100 \\ \hline 1267 \end{array} \quad \begin{array}{l} \bar{x} = \frac{1267}{12} = 105.58 \\ s^2 = 91.90 \\ \text{Efi}^2 = 126.229 \end{array}$$

Extrato 3

$$\begin{array}{r} 115 \\ 100 \\ 104 \\ 106 \\ 108 \\ 98 \\ 97 \\ 107 \\ 110 \\ 108 \\ \hline 1,053 \end{array} \quad \begin{array}{l} \bar{x} = \frac{1053}{10} = 105.3 \\ s^2 = 31.78 \\ \text{Efi}^2 = 111.167 \end{array}$$

Extrato 4

$$\begin{array}{r} 98 \\ 96 \\ 140 \\ 116 \\ 100 \\ 105 \\ 103 \\ 123 \\ 115 \\ 100 \\ \hline 1096 \end{array} \quad \begin{array}{l} \bar{x} = \frac{1096}{10} = 109.6 \\ s^2 = 193.6 \\ \text{Efi}^2 = 121.864 \end{array}$$

$$\begin{array}{l} \text{qs} = 106.7 \\ \left(\frac{N_1 - n_1}{N_1} \right) = \frac{24 - 8}{24} = \left((24^2) \left(\frac{69.44}{8} \right) \right) + (36^2) \left(\frac{41.90}{12} \right) + \\ \left((30^2) \left(\frac{193.6}{10} \right) \right) = \sqrt{\left(\frac{2}{5} \right)} = \div 120 \quad z = 1. \end{array}$$

