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Nombre del trabajo: ejercicio

Materia: bioestadística

Grado: 4°

Grupo: "B"

Comitán de Domínguez Chiapas a 12 de septiembre de 2018.

Bioestadistica.

Rango = 50 - 2016 = 5

Intervalo	Fi	1/.f.	1. Fia	XI	fia	fixi	XIZ
20 - 25	3	12	12	22.5	3	67.5	506.25
25 - 30	4	16	28	27-5	4	110	766.25
30 - 35	5	20	48	32.5	12	162.5	1056 - 25
35-40	2	8	56	37.5	14	75	1406.25
40 - 45	4	16	72	42.5	18	170	1806.25
45 - 50	7	28	100	45.5	75	3725	2256.25

$$f_{1x1}^{7}$$
 $Z_{1}^{7} = 25$ $Med_{1a}(\bar{x} = \Sigma f_{1x1}) = 407.5 = 36.3$
 151815 $\Sigma f_{1x1} = 407.5$ n 3
 3025 $\Sigma f_{1x2} = 35656.25$ $Med_{1ana}(me=L_1 + \frac{n}{2} - f_{1a} - 1.a_i)$

2812.5

h = 25 = 12 f 7225 1579375

Me = 35 + 12.5 - 12.5 = 36.25

$$\begin{array}{c} 1 & 1 & 3^{2} & 35656 \cdot 25 & -\frac{(407.5)^{2}}{25} \\ = 2714 & = 113.08 & -\frac{74}{29} & -\frac{74}{29} \end{array}$$

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Rango = N.M-Nmenor/nointervalos 80-36=6
Intervalo fi 1.fi fia 1.fia XI fix. XIZ fixiz
       8 22.27 8 22.22 41 328 1681 13498
38-44
44-50 5 13.88 13 36.11 47 255 2209 11645
50-56 3 8.33 16 44.44 53 154 2869 8427
56-62 4 11.11 20 55.55 59 236 3481 13.924
62-68 4 11.11 24 66.66 65 260 4225 16400
68-74 5 13.88 24 80.65 71 355 5041 25 205
74-80 7 19.44 36 100 77 539 5429 4503
2F1=36
               Media(x= \(\frac{1}{x}\)\ \(\frac{1}{x}\)=\(\frac{2132}{36}\)
 EFIX1 = 2132
 ZFIX12= 130952
              Moda=Li+fi-fi-1 .ai
 Mo=38+8-0-6=42.36
                               me=56+18-16.6
  Mediana (Me=Li+2-fi-1-ai) me=56+2-6
                                 me = 59
  Varianza B = (\(\Sigma\) z ai
   8^{2}=130952-(2132)^{2} 8^{2}=134.00 5\sqrt{134}=8=11.571
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Esercicio 7

N = 45000 P = 0.5 q = 1 - P = 1 - 0.5 = 0.5 B = 39.0 = 0.03 $D = \frac{B}{4}^{2} = (0.03) = 0.000225$ N = N.P.4 (N-1) D + P.9

n = 45000(0.5)(0.50) = 1084-36 (44449)+(0.5)(0.000225)n = 1085

Guercicio 2

N = 20000 P = 72 - 590 = 0.725 9 = 1 - 0.725 = 0.275 R = 5% = 0.5 $R = \frac{8}{4} = (0.05)^{2} = 0.000625$

n= NP.9 (N-1)D+P.9

n=20000(0.225)(0.275) 14949(0.000625)+0.725(0.275)

h= 314.

Evercicio 3

$$N = 50.000$$

 $P = 76\% = 0.76$
 $9 = 1 - P = 7 - 0.76.0 = 24$
 $B = 4\% = 0.04$
 $n = N. P. 9$

$$D = \frac{B^{2}}{4}$$

$$D = (0.04)^{2} = 0.0004$$

Ejercicio 4

$$N=10000$$

 $P=0.5$
 $q=1-P=1-0.5=0.5$
 $B=5\%=0.5600$
 $n=N.9.0$
 $(N-1)D+P.9$

$$D = \frac{B^2}{4}$$

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

$$\frac{n=10000(0.5)(0.5)}{9449(0.000675)+(05)(0.5)} = 384.65$$

Evercicio 5

$$D = \frac{4}{B} s$$

$$D = \frac{(0.02)^2}{4}$$
 $D = 0.0001$

$$\frac{N=25000 (0.55)(0.45)}{24444(0.0001)+(0.65)(045)} = 2252 - 12$$

$$N=2253$$

Evercicio 6

$$N = 15000$$

 $P = 66\% = 0.66$
 $9 = 1 - P = 1 - 0.66 = 0.34$
 $B = 3\% = 6.03$