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Nombre del profesor: Jorge Enrique

Albores Aguilar

Nombre del trabajo: Actividad

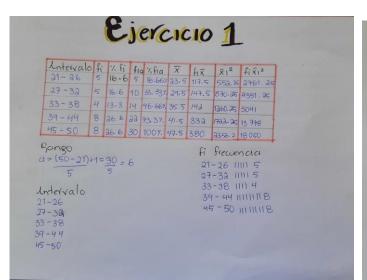
Materia: Estadística

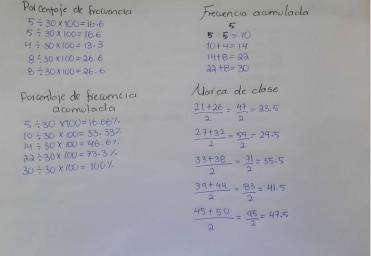
Grado: 3° cuatrimestre

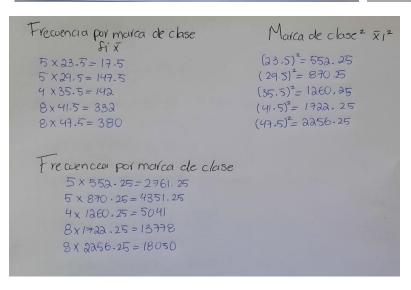
Grupo:

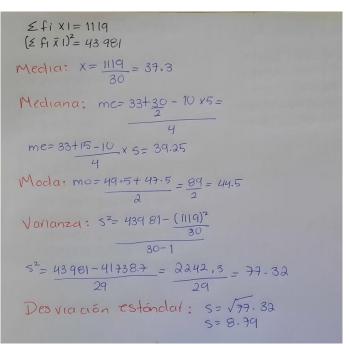
50	30	50	21	40
30	49	25	50	47
29	46	34	48	25
44	33	49	40	33
31	39	43	43	35
28	23	44	44	21

Ejercicio 1









Ejercicio 2

33	56	80	42	68	33
70	40	75	41	53	54
78	42	66	45	64	58
55	56	73	56	41	64
39	67	79	49	44	80

Ejercicio 2

Intervalo	fi	7. f1	fia	7. fia	X	fix	XI2	fi x12
33-38	2	6.66	2	6.66%	35-5	71	1260.2	2520.4
39-44	7	23.3	9	30%	41,5	290.5	178a.a	12 055,4
45 - 50	2	6.66	11	36,66%	47.5	95	aa56.2	4512.4
51-56	6	20	17	56.66%	53.5	321	2862.2	17173.2
57-62	1	3-33	18	60%	59.5	59.5	3540.2	35 40.2
63 - 68	5	16.66	23	76.66%	65.5	327.5	4290.2	21451
69-74	2	6.66	25	83-33/1	71.5	143	5112.2	10 224.4
75 - 80	5	16-66	30	100%	77.5	387.5	6006-a	

Rango $a = \frac{(80 - 33)}{8} + 1 = \frac{48}{8} = 6$

Intervalo

33-38 39-44 45-50

51-56 57-62 63 - 68

69 - 74

Porcentoje de freuencia

2 = 30 × 100=6.66 7:30 x 100 = 23.33 2 = 30 × co0 = 6.66 6 = 30 × 100 = 20 1 = 30 x 100 = 3.33 5 = 30 x 100 = 16.66 2 = 30 × 100 = 6.66 5 = 30 × 100 = 16.66 fi frewencia

33-38 11 2 39-44 11111117

45 -50 11 2

51 - 56 || || || | 6 57 - 62 | 1 63 - 68 || || || 5

69 - 74 11 2 75 - 80 111115

Frewencia acumulada

2+7=9 9+2=11 11+6=17 17+1=18 18+5=23 23+2=25 25+5=30

Porcentaje de frewencia acomolada

2 = 30 × 100 = 6.66

9 = 30 × 100 = 30 11 : 30 × 100 = 36.66

17:30 ×100=56.66

18 = 30 × 100 = 60

23 = 30 x100 = 76.66

25 :30 ×100=83.33

30 = 30 x100 = 100

Marca de clase X

$$\frac{33+38}{2} = \frac{71}{2} = 35.5$$

$$\frac{39+44}{2} = \frac{83}{2} = 41.5$$

$$\frac{45+50}{2} = \frac{95}{2} = 47.5$$

$$\frac{51+56}{2} = \frac{107}{2} = 53.5$$

$$\frac{5+162}{2} = \frac{119}{2} = 59.5$$

$$\frac{63168}{2} = \frac{131}{2} = 65.5$$

$$\frac{69+74}{2} = \frac{143}{2} = 71.5$$

$$\frac{75+}{2} = \frac{155}{2} = 745$$

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Morea de clase 2 x12
Frewencia por marca de clase
                                    (35.5)^2 = 1260.2

(41.5)^2 = 1222.2

(47.5)^2 = 2256.2
2 × 35.5=71
7 × 41.5 = 290.5
2×47.5=95
                                    (53.5)2= 2862.2
6x 53.5 = 321
                                    (59.5)2= 3540.2
1x59.5=59.5
                                    (65.5)= 4290.2
5x65.5= 327.5
                                    (71.5)=5112.2
2×+1.5=143
5 x 77.5 = 387.5
                                    (77.5)2=6006.a
Frewencia poi motra de clase
2×1260.2=2520.4
7×17 22.2=12055.4
2x 2256.2=4512.4
6x 2862.2= 17173.2
1 x 3540.2= 3540.2
5×4290.2= 21451
2×5112.2=10224.4
5 x 6006-2- 30031
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£ fi xi= 1695.1

(£ fixi)=101508

Media: x = \frac{1695}{30} = 56.5

Mediana: 51 + \frac{15-11}{6} \times 6 = 55

Moda: 39 + 7 - 2

(7-2) + (7-2) \times 6 = 42

(7-2) + (7-2) \times 6 = 3 + 39 = 42

Varianza 5^2 = 101508 - (1695.1)^2 = 101508 - 95788.8

30 = 30 = 29

Desviación estándov

5 = \sqrt{197.5}

5 = \sqrt{197.5}
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