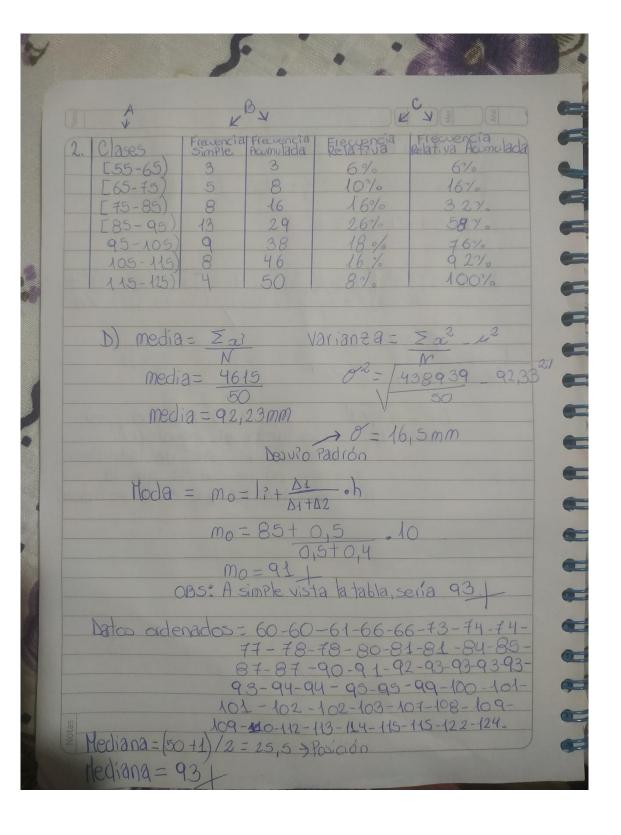
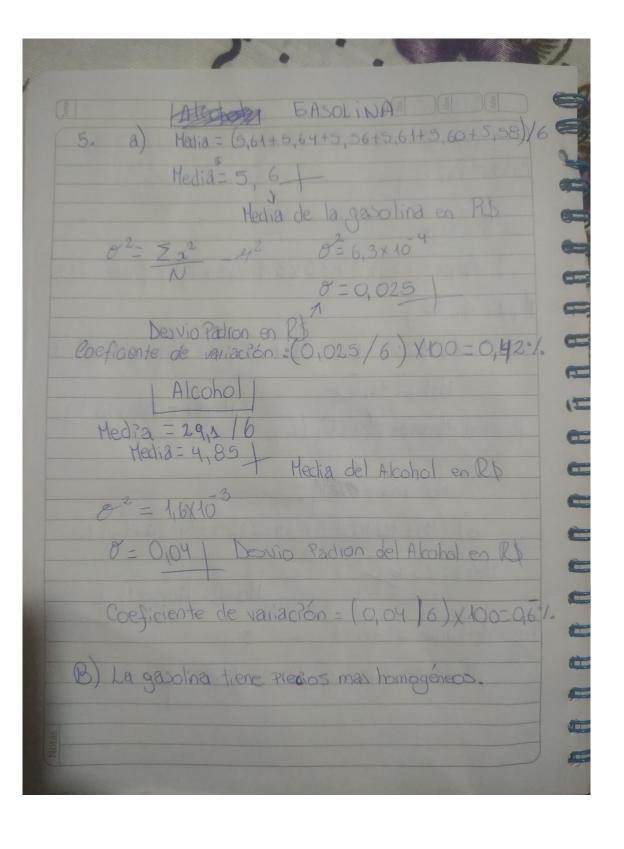
Nombre: Cristian Mello

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1. Media aritmética: (12+8,5+11+10+9+11,5)/6=10,3
Varianza: $\theta^2 - (8, 5 - 16, \overline{3})^2 + (9 - 10, \overline{3})^2 + (11 - 10, \overline{3})^2 + (10 - 10, \overline{3})^2 + (11, 5 - 10, \overline{3})^2) / 6$
Desvio Padron = \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
media sea mayor que el desvio Padron.



3. (3,5X2+7,8X2+9,3X3+5,1X3) /(2+2+3+3) Media = 6,58 Portuges (7,8x2+8,3,2+3,5x3+8,2x3)/(2+2+3+3) Hedia = 6, 73 4. 1 (25+74+65+12+33+3+76+40+56)/9 Med a = 42,6+ Hoda = Amoda / Posición Mediana = (9+1) /2 Mediana = 5 b) (45+12+100+5+34+2+09+19+29+1)/10 Media = 25,6 Moda = Amodal Pos Mediana = (10+1)/2=5,5 Mediana = (12+19)/2 = .15,5



6. a. Media = 51km/h $\theta^2 = 29549 - 51^2 - 85,2 \pm km/h^2$ 0 = DP = \85.27 DP = 9,23 Km/h b. 56 km/h Media = (5x2 + 7x3+8x5+9x4+ 11x2) /16 Media = 8,06 fi fixi fixi2 5 27,5 151,25 15 + 157,5 + 1653,75 20 3 10 4805 10 205 42025 Ponto Med?o 03-08 5,5 08-13 10,5 13-18 15,5 18-23 20,5 03-08 08-13 Media = 700/50 = 14/ $8^{2} = \sum_{i=1}^{2} f_{i} \cdot x_{i}^{2} - \mu^{2}$ $8^{2} = \frac{10812}{10812}, 5 - (14^{2})$ Varianza = $8^{2} - 20,25$

fi fixi fixi2 9. Clases 3 3016 3033090, 75 1005,5 1001-1010 11196 12374883 1011-1020 1015,5 28714 2944620 1021-1030 1025,5 1031-1040 1035,5 82 84911 87925340,5 1041-1060 1045,5 74 77367 80887198,5 1051-1660 1055,5 30 31665 33422407,5 1061-1070 1065,5 17 18283,5 19299934,25 1071-1080 1075,5 4 4302 4626801 250 131753,2 271015862,5 $g^2 = \sum_{i \neq i} f_{i} \times \frac{1}{2} = \frac{131753}{2} = \frac{131753}{250}$ Media = 527 $\theta^2 = (241015862,5/250) - (524^2)$ 02 = 806334,5 M 0 = 897,97mm > Desvio Padron Pos-Mediana = (250+1)/2=125,5 Median a = (1035,5+1045,5)/2 Mediana = 1040,5 mm Moda = 1031 + 5,4-0,8 Moder = 1042,7

10) Os dados abaixo referem-se a idade das pessoas que compraram um determinado produto novo durante um dia. Determine:

i	Idade	Xi	fi	Fi	f _i x _i	f _i x _i ²
1	0 - 10	5	10	10	50	250
2	10 - 20	15	26	36	390	5850
3	20 - 30	25	15	51	375	9375
4	30 - 40	35	8	59	280	9800
5	40 - 50	45	4	63	180	8100
6	50 - 60	55	3	66	165	9075
7	60 - 70	65	2	68	130	8451
	Total	245	68	353	1570	50901

a) Media;

Media= Sumatoria de fiXi / N

Media=1570/68 Media=23,09

b) Desvio Padrão;

Calculo: Desvio padron = raiz cuadrada de la varianza.

Varianza= (50901/68)-(23,09 al cuadrado)

Varianza=215,4 Desvio padron = 14,7

c) Mediana e Moda.

Posicion mediana = (7+1) / 2 = 4, Mediana = 35

Moda= 15,93;