

Nombre de alumnos: Rodríguez López Layzsa

Nombre del profesor: Lic. Joel Herrera

Nombre del trabajo: Retroalimentación

Materia: Estadística descriptiva

Grado: 3

Grupo: A

Reliablimentación.

7 - El siguiente ejercicio muestra los dato	s agrupados de un nadador
de 200 m a quien se le registró e entrenamientos en segundos, con esta:	1 + empo de sus últimos 14
entienamientos en segundos, con esta;	nformación determina lo
signiente.	Medidas de dispersión
	- Varianza, s': 40.97
	- Dev. estand, 5: 6.38
	- Coes. de var. Cv : 5.137.
- Mediana me: 123.33	COCI. DE VIII.
- Moda Mo: 18.37	3 3 3 5 5 5 8
Medidas de lendencia central y de dispersió	n Para datas agr.
	$(x-x)^2$
[115-120] 117-5 5 5 35.71 5 587.5 95.9	
(170-125) 127.5 3 21.43 8, 367.5 3.17	·
[125-130] 127.5 2 14.29 10 255 10.37	70.74
[130-135] 132.5 4 28.57 14 530 67.5;	270-18
15 TOTAL 14 1240	530.38
1+ X = 2 + 3 - Mo = L: + fi-fi-1	. A:
n (fi-fi-1) } (fi-	
$\bar{x} = 1740/14$ $Mo = 115 + 5$ $\bar{x} = 124.781$ $5 + 2$	5
Mo=115 + 25	Mo=15+3.57
2-0 Me = 1; 1 2 . Hi	Mo = 118.57) Coet. de vos
Pos ción = 11/2 120 1	5 4114
Posición = 19/2 Li= 120	7-2
Posición = (1) n= 14 - ME = 170 + 2 .5	CV = 6.38 - 100
Fi-1= 5	$\int_{13}^{2} = \frac{530 \cdot 38}{13}$
fi= 3 -me= 120 + 3.33	Cv=.05/3-100
A i = ls - l = 5	S= 40.797 (V=5.137.
- Me = 123.33)	Revest.
	J= V40.79
	S= 6.38 J

autosald

$\frac{125}{x}$ $\frac{132}{x}$ $\frac{1}{x}$	120 116 121 121. 121. 13. 2 121.5 121.5	21 5 175	130	5" 5 = Cv	135 117 119 219 5' 5'	- 48 6.9 5.6 = 4 (105 (103	8-02 92 617. 1-123 123.	$x_{1} - \bar{x}$ $x_{2} - \bar{x}$ $x_{2} - \bar{x}$ $x_{3} - \bar{x}$ $x_{1} - \bar{x}$ $x_{2} - \bar{x}$ $x_{3} - \bar{x}$ x_{3	Q De P (126 : 126	- 116 32 - = 17 11 = 6 = 15 - 15 - 1123	(23.21) (3.11) (2.21)	6.5 23.5 6.5 4 (1)	(16 - 12 - 12	23.21)2) t ((117	-123-	(1) ¹
H5 132 Me = M0 = 17 12 = 12] = 11	116 121. 121. 115 y 25 = 3.2 1 + 12: 2	21 5 175 14 13	133	S' S: Cv	117 119 = 5'	- 45 6.0 5.6 = 4 (105 (103	8-02 92 617- 6-17- 123-123-	$x_{1} - \bar{x}_{1}$ $x_{1} - \bar{x}_{2}$ $x_{1} - \bar{x}_{2}$ $x_{1} - \bar{x}_{2}$ $x_{2} - \bar{x}_{2}$ $x_{1} - \bar{x}_{2}$ $x_{2} - \bar{x}_{2}$ $x_{2} - \bar{x}_{2}$ $x_{2} - \bar{x}_{2}$ $x_{1} - \bar{x}_{2}$ $x_{2} - \bar{x}_{2}$	Q De Pi	1 = 17 1 = 6 = 6 = 6 = 6 = 6 = 6 = 6 = 6 = 6 =	133 25 11 11 11 (23.21) (23.21)	6.5 23.5 6.5 4 (1)	(16 - 12 - 12	23.21)2) t ((117	-123-	(1) ¹
H5 132 Me = M0 = 17 12 = 12] = 11	116 121. 121. 115 y 25 = 3.2 1 + 12: 2	21 5 175 14 13	133	S' S: Cv	117 119 = 5'	- 45 6.0 5.6 = 4 (105 (103	8-02 92 617- 6-17- 123-123-	$x_{1} - \bar{x}_{1}$ $x_{1} - \bar{x}_{2}$ $x_{1} - \bar{x}_{2}$ $x_{1} - \bar{x}_{2}$ $x_{2} - \bar{x}_{2}$ $x_{1} - \bar{x}_{2}$ $x_{2} - \bar{x}_{2}$ $x_{2} - \bar{x}_{2}$ $x_{2} - \bar{x}_{2}$ $x_{1} - \bar{x}_{2}$ $x_{2} - \bar{x}_{2}$	Q De Pi	1 = 17 1 = 6 = 6 = 6 = 6 = 6 = 6 = 6 = 6 = 6 =	133 25 11 11 11 (23.21) (23.21)	6.5 23.5 6.5 4 (1)	(16 - 12 - 12	23.21)2) t ((117	-123-	(1) ¹
\bar{X} : Me = MO = 17 12 = 121	121. 115 y 25 = 3.2 1+12: 2	21 5 175 175	133	S' S:	119- = - - - - - - - - - -	- 48 6.9 5.6 = 4 (105 (103	8-02 92 617- 617- 6-17- 123-123-	$(x_{1} - \bar{x}_{1})^{2}$	Q De Pi	1 = 17 1 = 6 = 15 = 15 = 10 = 112	11 11 11 (6) (23.21) (3.11) (23.21)	6.5 23.5 6.5 + (1)	(16 - 12	23.21)2) t ()	(117	-123. 123.2	21)2
\bar{X} : Me = Mo = 17 12 = 121 = 11	123. 121. 115 y 25 ÷ 3. 2 1 + 12: 2	21 5 175 175		S' S:	5' :	- 48 6.9 5.6 = 4 (105 (103	92 61% 5-12 -123 -123.	$x_{1} - \bar{x}_{1}$ $x_{1} - \bar{x}_{2}$ $x_{1} - \bar{x}_{2}$ $x_{2} \cdot x_{1}$ $x_{2} \cdot x_{2} \cdot x_{2}$ $x_{2} \cdot x_{1} \cdot x_{2} \cdot x_{2}$ $x_{2} \cdot x_{1} \cdot x_{2} \cdot x_{2} \cdot x_{2}$	Q De P (126 : 126	1 = 6 = 16 = 16 = 16 = 16 = 16 = 16 = 1	11 11 11 11 11 11 11 11 11 11 11 11 11	6.5 23.5 6.5 1 + (1)	(16-12	23.21)2)2 +	(117 122-	-123. 123.2	21)2
Me = Mo = 17 12 = 121 = 11	121. 115 y 25 ÷ 3 . 2 1 + 12: 2	5 175 14 1.}		S:	5' :	6.0 5.6 = 4 = (0.5 (0.9 (0.25 (1) 3	92 61% 5-12 -123 -123.	$x_{1} - \bar{x}_{1}$ $x_{1} - \bar{x}_{2}$ $x_{1} - \bar{x}_{2}$ $x_{2} \cdot x_{1}$ $x_{2} \cdot x_{2} \cdot x_{2}$ $x_{2} \cdot x_{1} \cdot x_{2} \cdot x_{2}$ $x_{2} \cdot x_{1} \cdot x_{2} \cdot x_{2} \cdot x_{2}$	De Pr	6 = 15 = 15 - 0 -11	1 (23.21) (3.11) (2)	23-5 6-5 12 + (1) 1 + (1)	() 16 - 1 2 1 - 12	23.21)2)2 +	(117 122-	-123. 123.2	21)2
Me = Mo = 17 12 = 121 = 11	121. 115 y 25 ÷ 3 . 2 1 + 12: 2	5 175 14 1.}		S:	5' :	6.0 5.6 = 4 = (0.5 (0.9 (0.25 (1) 3	92 61% 5-12 -123 -123.	$x_{1} - \bar{x}_{1}$ $x_{1} - \bar{x}_{2}$ $x_{1} - \bar{x}_{2}$ $x_{2} \cdot x_{1}$ $x_{2} \cdot x_{2} \cdot x_{2}$ $x_{2} \cdot x_{1} \cdot x_{2} \cdot x_{2}$ $x_{2} \cdot x_{1} \cdot x_{2} \cdot x_{2} \cdot x_{2}$	De Pr	6 = 15 = 15 - 0 -11	1 (23.21) (3.11) (2)	23-5 6-5 12 + (1) 1 + (1)	() 16 - 1 2 1 - 12	23.21)2)2 +	(117 122-	-123. 123.2	21)2
MO = 17 12 = 121 = 11	115 y 25 ÷ 3.2 1 + 12:2	125		Cv	5' :	5.6 = 4 = (0.5 (0.9) (0.25)	617. 2 () r 1-123 -123. 123.	$x_{1} - \bar{x}_{1}$ $(x_{1} - \bar{x}_{1})^{2}$	P ₁ 2 1 (11 4 (126	15 - 113	(23.21) (23.21) (23.21)	6-5) ² + + (1)	(16-12	23.21) ²) t ((117 122-	-123. 123.2	21)2
17 12 = 121 = 11	15÷ 3.1 1+11; 1	14			S':	= 2 = (0.5 (0.9 - (0.25 - (1) 3	/2_ () r 6 - 17 - 173 - 173.	$x_{1} - \bar{x}_{1}$ $(x_{1} - \bar{x}_{1})^{2}$	12 1 (11)	15 - 10 0 - 12 - 12 3	(23.21) (3.11) (2)) ² + (1) 4 (1)	(116 - 1 21 - 12	23.21) ²) t ((117 122-	-123. 123.2	21)2
12 = 12] = 1	3.2	1) L=		•	s':	(125 (125 (123	r - 173 - 173 - 173.	7-1 23-21) 23-21) ² 21) ² + 3-11) ²	12 1 (1	15 - 12 0 -12 -123	(23.21) (3.11) (2.21)) ² + (1)	(116 - 1 21 - 12	23.21) ²) t ((117 122-	-123. 123.2	21)2
12 = 12] = 1	3.2	1) L=			s':	(125 (125 (123	r - 173 - 173 - 173.	7-1 23-21) 23-21) ² 21) ² + 3-11) ²	12 1 (1	15 - 12 0 -12 -123	(23.21) (3.11) (2.21)) ² + (1)	(116 - 1 21 - 12	23.21) ²) t ((117 122-	-123. 123.2	21)2
= 121	1 + 127	LE				(125- (125-	- 123 - 123. 5 - 123	·21) ² +	(125	0 -12 -123	3.11) ²	+ (1)	21-12	3.2)2	+ (122-	123.2	1)2 +
= 11	21.5					(125- (125-	- 123 - 123. 5 - 123	·21) ² +	(125	0 -12 -123	3.11) ²	+ (1)	21-12	3.2)2	+ (122-	123.2	1)2 +
= 11	21.5				51:	(125	- 123. 5 - 123	21)2 1	(125	-123	.2)2	4 (13		7/10/20				100
= 11		25			51:	(1) 3	- 12	3.11)2		1	4	1.0		1	200	eu:		- 1
= 11		25			51		100				6-3-34					6.00		
	15 y 1	25			-		- 4	0 +	67.	111111111111111111111111111111111111111	+ 51	The second	+ 38	.56	+ 1	7.7	15	10.3
	1	-		300			Harry Co.	+ 1.	DAY CONTRACTOR	10000				1000		100		
100								4 + 1		1.								1
V48-	07	-			52=			-		15	100							
6.91				· ALI		48					2 3			110	10	100		3
								12	3 1		18				25	200	j i	-
5/z				100	To d	-0 (QK=	ko		13	→D:	K = K	n		-p	PK	= K	
		-(1	- 100	0	. 4			4	111111111111111111111111111111111111111	75		10) 34	- E			100	11-
							Qi=	1-14	1		110	6=6	-14			P25		
						9//		4				201	10		10		3.0	100
	7.						Q1=	3.5			1)	6 = 8	3.4		A.	Pis	-	3.5
*									1 2 9	8	122	11	15-	17 3	5			
							- 2		541	2	519-7	ι		100)			100
	150										1	- 10	1.4				1	
	1				18			145			19			1				
(6.9	6.92/123	6.92/123.61	6.92/123.61.10	6.92/123.61.100	6.92/123.61.100 0.0561.100	6.91/123.11.100 0.0561.00 5.617.	6.92/123.61.100 0.0561.100 5.617. Q1=	$6.92/123.61.100$ $Q_1 = 1.14$ $Q_2 = 3.5$ $Q_3 = 3.5$ $Q_4 = 3.5$	$6.92/123.61.100$ $Q_{1}=1.14$ $Q_{1}=3.5$ $Q_{1}=3.5$ $Q_{1}=3.5$	6.92/123.61 -100 Q1= 1.14 0.0561-100 Q1= 1.14 4 Q1= 3.5 116 + 117 - 2	6.92/123.61.100 $9.0561.100$	$6.92/173.11.100$ $Q_1 = 1.14$ $Q_1 = 3.5$	$6.92/173.11.100$ $Q_1 = 1.14$ $Q_1 = 1.14$ $Q_1 = 3.5$ $Q_1 = 3.$	$6.92/173.61.100$ $Q_{1}=1.14$ $Q_{1}=0.0561.100$ $Q_{1}=0.14$ Q_{1}	$6.92/123.21.100$ $Q_1 = 1.14$ $Q_1 = 3.5$	$6.92/123.11.100$ $Q_{1}=1.14$ $Q_{1}=1.14$ $Q_{1}=3.5$ $Q_{1}=8.4$ $Q_{1}=8.4$	$6.92/173.11.100$ $Q_1 = 1.14$ $Q_1 = 3.5$