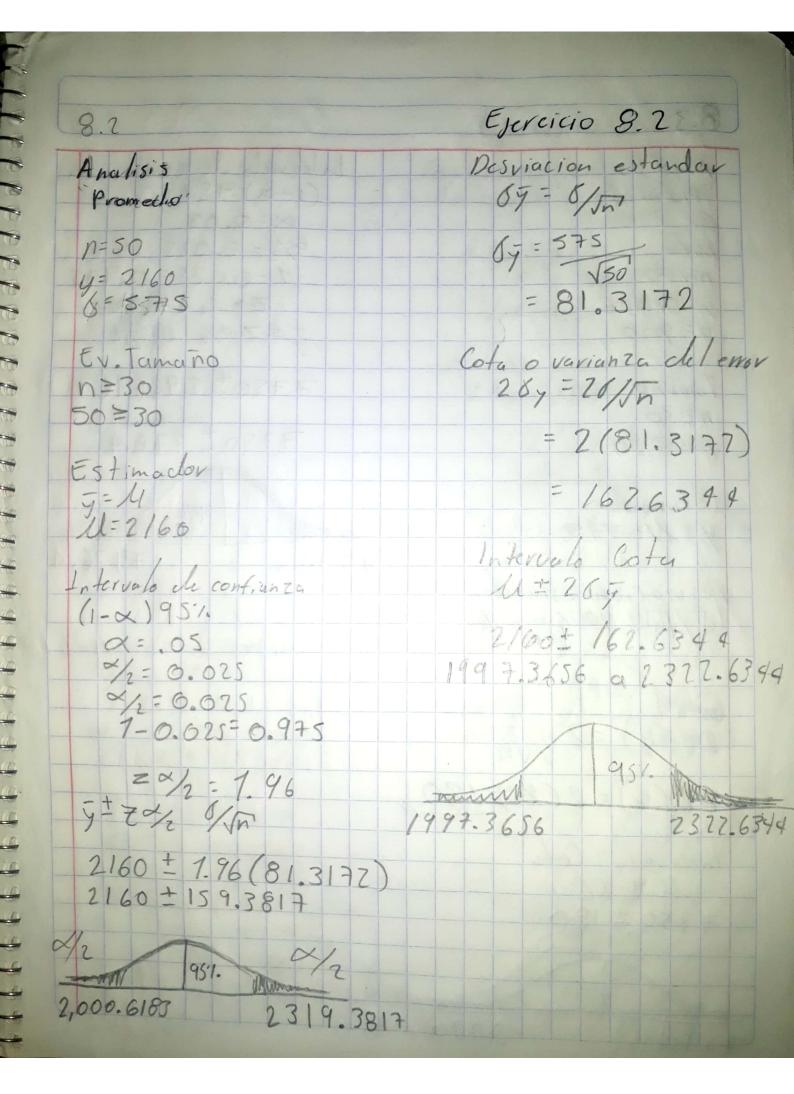


## **Estadística**Inferencias con muestras grandes

## Juan Antonio Cruz Pérez José Adrián Ontiveros Moran

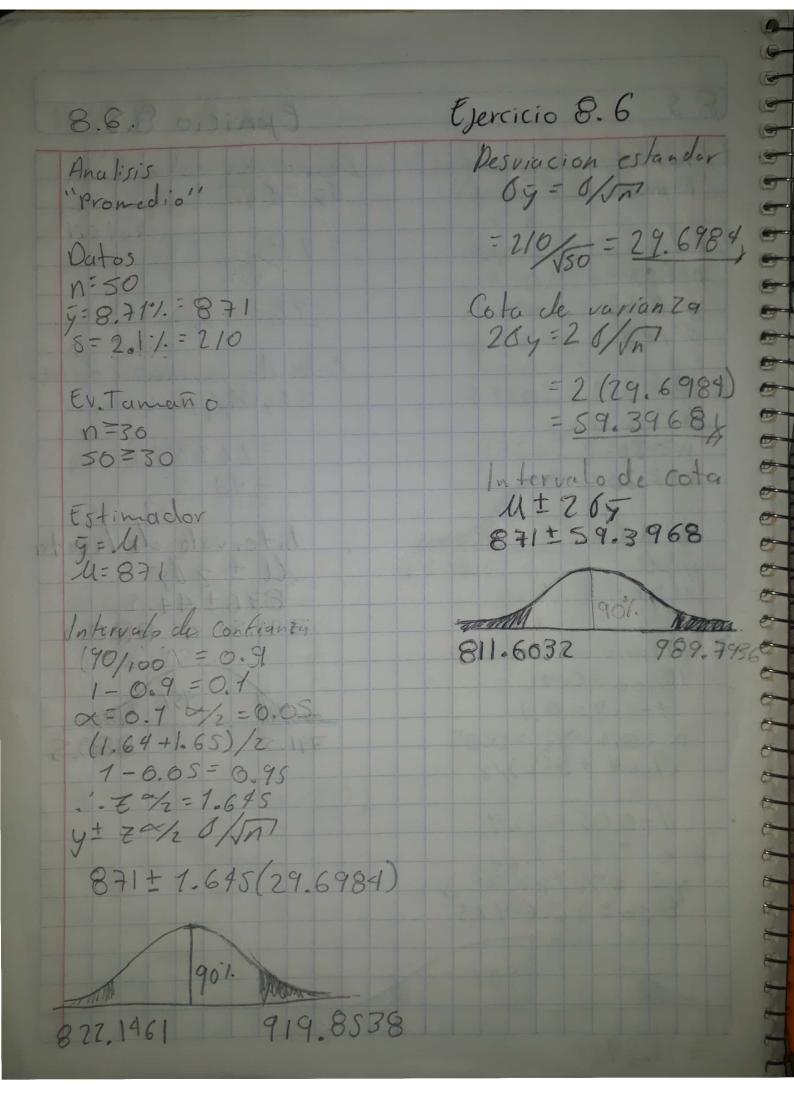
**ING.** Ortiz Leos Gabriela del Carmen

**Grupo: Miércoles - Matutino.** 



Datos	j + 2 d/2 (6/5m)
N=100	= = = 2/2 (6/VA)
5=4.5	The state of the s
5=5.13	4.5 = 1.96 (0.3)
110 M 1 955 11 1000	4.5±0.588
Tameño	4,520,580
n230	3.912 a 5.088
100≥30	5.912 0 5.000
Estimador	
	The property of the property o
y=11=4.5	3. 912 5.088
Desviación estandor	
N K 6 9 W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Penedigi a chandre
$0\bar{y} = 4/n = \frac{1.3}{\sqrt{100}} = .3$	018 181=1111
Nino	
	9904
Cota 2(67)=2(.3)=0.6	
Cota 2(07) = 2(.3) = 0.6	2(67)=174
Cota 2(07) = 2(.3) = 0.6	2(67.251)=174.
2(67) = 2(03) = 0.6 Intervalo para la cota U = 207	2(87.251)=174.
2(67) = 2(.3) = 0.6 Intervalo para la cota U = 207 4.5 = 0.6	2/47=(125.43)2=(44)2 2/42 2/42 2/42 2/42 2/42 2/42
2(67) = 2(03) = 0.6 Intervalo para la cota U = 207	2/43): 2/8725/)=174 2/43/6 de co /20 2/43/6 de co /20 2/43/6 de co /20
2(67) = 2(.3) = 0.6 Intervalo para la cota U = 207 4.5 = 0.6	2 (
2(67) = 2(.3) = 0.6 Intervalo para la cota U = 207 4.5 = 0.6	2 (43) = 2 (6 ) = 2 / 4 / 4 / 6 / 6 / 6 / 6 / 6 / 6 / 6 / 6

8.5 0.8 00000 Ejercicio 8.5 Analisis Desviacion estandar "Promedio" 09 = 0/Vn Dates = 178 n=64 7:836 = 22.25 × 0=178 Cota de varianza o error 90%. 264=26/1 Ev. tamaño =7(22.25) n=30 64=30 = 94.5 X Estimador Intervalo de la Cata 7=le u=641 U ± 207 836±44-5 791.5 9 880.5 Intervulo de configurza 90/100=0.9 951. Will 1-0.9=01 x = 0.1  $x_2 = 0.05$  (1.64 + 1.65)/2880.5 791.5 1-0.05 = 0.95 7 = 7 = 1.695 1 = 7 = 1.695 1836 = 36.60125 90%. Morrow 877.6012



Ejercicio S. 7 pay. 205	Intervalo de confran
n=60	The de de conjuga
7 = 147.95	957
5 = 511.60	17.998 a 276.9
Ev. tamaro	17.998 a 276.9 5 + 2 /2 (8/Vh
n = 3n	917 \$ 30
60 = 30 5 08.6	141.45 ± 1.96/66.0
Estimader 45	17.998 a 276.9
7=4=147.45 Spools	Petrocion aprehi
Desviasion estandor	18 = 0 = 210 = 0.3
69 = 9/47 = 511.60 = 66.047	B/a/
	Cale de suar
Cota 2 (09)=2 (66.047)=132.0	59d 0=(8 d)=(=)
2 (09) 2 (00.011) 152.0	
Intervalo de la cota	Vakerale and lacote
U = 287 197.45 = 132.649	
197.45 = 132.648	1 2 2 1
10 2 229544	- 6 + 5 2
15.3,56 a 279.544	ME 3 3
and 95% - Munior	
.3.56 279.544	
. 3.56	
	1.5

Problema 8.8 Miercoles Matutino 1) Analisis 5) Desviación estandar "Promedio 6 9 = 6/M By = 6.75/00 = 0.695 2) Datos Ex. Tamero n=100 n≥30 7:17.5 By= 0.675} 100=30 5=6.75 6) Cota o varian Za del 3) Estimador y=le 26y=26/50 u= 17.5 = 2(0.675) 4) Intervalocle configurza (1-x)95% -21-a/fa = 1.35 × X = . 05 7) Intervolo de la dh=0.025 u+ 267 7-0.025=0.975 ZX/2=1.96 Sesara & 17.5 ± 7.35 9 + 7 d/2 5/m = 50 ves 16.15 a 18.85 17.5 ± 1.96 (0.675) 17.5±1.323 957. Zanth. 16.15 18.85 95% 16.777 18.823

Ejercicio 8.36 pag. 235 Intervalo confianza Datos= y + 22/2/0/5m n=500 y=11,336 5=1,951 evror 11,336 ± 171.011 11, 336 = 171.011 Ev. tamaño n 230 1 1 1 2 8 11,164.9399 4 11507.611 500 -30 Estimador y= U= 11,336 Murmon 11,164.9894 Pesviación estanelor 11507-011 69=1/5= 1,951 =87.251 V500 Cota 2 (4 7) = 2(87.251)=174.502 Intervolo de cota U±219 11,336±174.502 957. Materia 11,510.502 11,161. 4880

Ejercicio 8.41 pag. Patos n=49				Int	evu	16	d	10	Cont	Fiunz )
y = 6.56 5 = 2.10								(o.		
Ev. Tamano									9 78	
49≥30										1978
Estinador 5 = U = 6.50						_				
Desvicion estander $6\overline{y} = 0/m = \frac{2.10}{\sqrt{49}} = 0.3$			5.6	302	2	6/	0/-	1	7.17	978
	£.643	1	0		15/	3/1	54	3/3/0		
2(17)=2(0.3)=0.6	(5)									
Intervalo para la cota										
U ± 20 9							6 kg			
6.5 ± 20 5		B	Y s						25	
5.9 a 7.4										
981.										

Potos n=256 9=4800 5=400 Ev. Tamaño n=30 256 = 30 Desviation Oy = 0/Vn = 900/756 = 25 Cota 20y=2(0/Va) =2(25) =50 Estimaclor y=U U=4800 Intervalo plata M=21, 9860 ± 50 4750 a 4850 951.

1850

4750

Ejercicio 8.51 valor (1xd)=95% 0=005 d/2:0.025 1-0.025=0.975 Ea/1=1.96 Interval de Contianza y ± 1.96 (25) 4800 ± 49 4751 9 4849 650 Grafica 16 95%. 4849 4751 110 L5C