



UTN.BA

UNIVERSIDAD TECNOLÓGICA NACIONAL
FACULTAD REGIONAL BUENOS AIRES

**Centro de
e-Learning**

Secretaría de Cultura y Extensión Universitaria

TP4 GRUPAL ESTADÍSTICA

Integrantes:

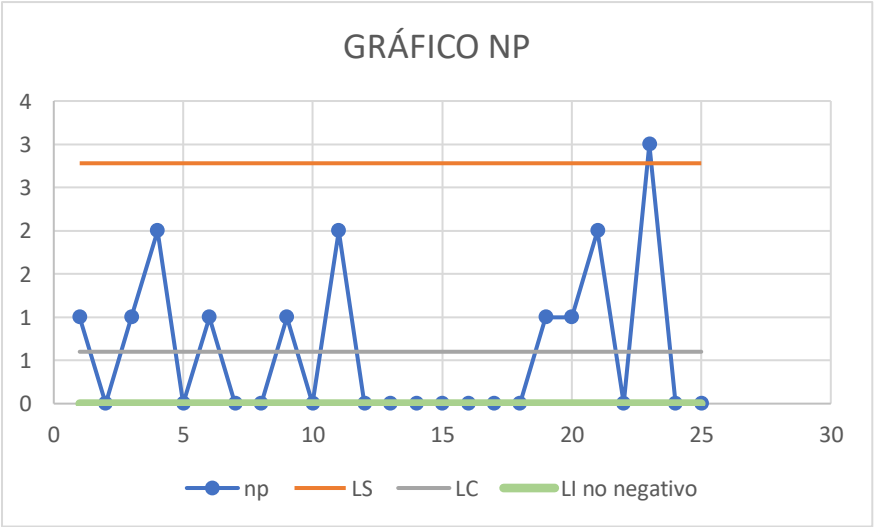
- **Bazaras Carla**
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- **Vilchez Lavado Flor de María**
- **Zamora Matias Nahuel**

DEFECTUOSOS

muestra	np	LS	LC	LI no negativo	LI
1	1	2.78	0.60	0	-1.58
2	0	2.78	0.60	0	-1.58
3	1	2.78	0.60	0	-1.58
4	2	2.78	0.60	0	-1.58
5	0	2.78	0.60	0	-1.58
6	1	2.78	0.60	0	-1.58
7	0	2.78	0.60	0	-1.58
8	0	2.78	0.60	0	-1.58
9	1	2.78	0.60	0	-1.58
10	0	2.78	0.60	0	-1.58
11	2	2.78	0.60	0	-1.58
12	0	2.78	0.60	0	-1.58
13	0	2.78	0.60	0	-1.58
14	0	2.78	0.60	0	-1.58
15	0	2.78	0.60	0	-1.58
16	0	2.78	0.60	0	-1.58
17	0	2.78	0.60	0	-1.58
18	0	2.78	0.60	0	-1.58
19	1	2.78	0.60	0	-1.58
20	1	2.78	0.60	0	-1.58
21	2	2.78	0.60	0	-1.58
22	0	2.78	0.60	0	-1.58
23	3	2.78	0.60	0	-1.58
24	0	2.78	0.60	0	-1.58
25	0	2.78	0.60	0	-1.58
15					

Límite Central	0.60	promedio
desvío	0.73	

np	0.60
n	5
p	0.12



DEFECTOS

muestra	c	LSC	LC	LIC no negativo	LIC
1	8	12.04	5.20	0	-1.64105255
2	6	12.04	5.20	0	-1.64105255
3	6	12.04	5.20	0	-1.64105255
4	5	12.04	5.20	0	-1.64105255
5	2	12.04	5.20	0	-1.64105255
6	9	12.04	5.20	0	-1.64105255
7	5	12.04	5.20	0	-1.64105255
8	7	12.04	5.20	0	-1.64105255
9	5	12.04	5.20	0	-1.64105255
10	4	12.04	5.20	0	-1.64105255
11	2	12.04	5.20	0	-1.64105255
12	7	12.04	5.20	0	-1.64105255
13	2	12.04	5.20	0	-1.64105255
14	4	12.04	5.20	0	-1.64105255
15	4	12.04	5.20	0	-1.64105255
16	3	12.04	5.20	0	-1.64105255
17	7	12.04	5.20	0	-1.64105255
18	6	12.04	5.20	0	-1.64105255
19	6	12.04	5.20	0	-1.64105255
20	6	12.04	5.20	0	-1.64105255
21	9	12.04	5.20	0	-1.64105255
22	7	12.04	5.20	0	-1.64105255
23	6	12.04	5.20	0	-1.64105255
24	2	12.04	5.20	0	-1.64105255
25	2	12.04	5.20	0	-1.64105255

130

Límite Central	5.20	promedio
desvío	2.28	

$$E(X) = c$$

$$V(X) = C$$

$$\text{Desvío} = \text{Raiz}(c)$$

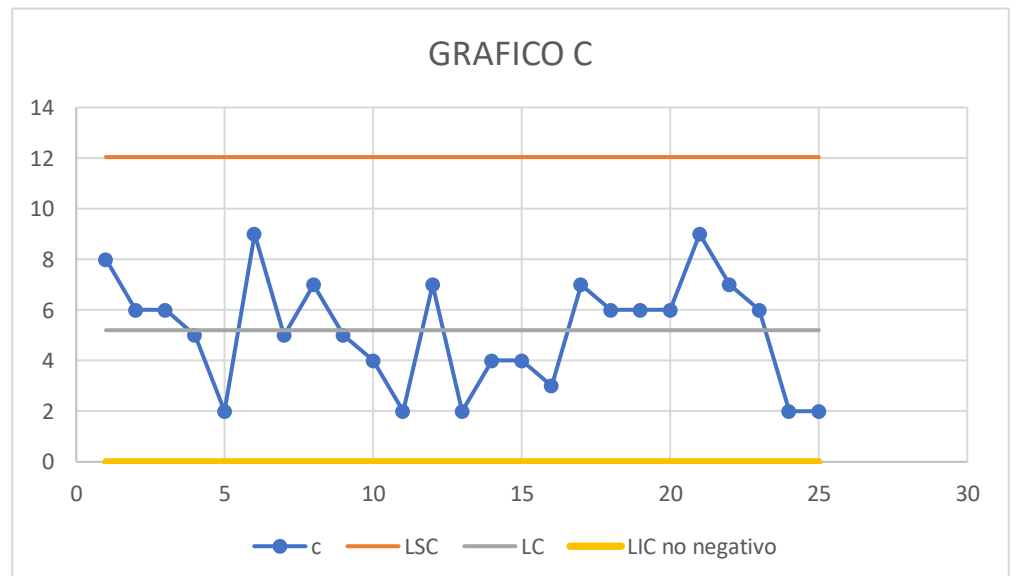


	gráfico X						gráfico R				
muestra	z1	z2	z3	PROMEDIO	RANGO	LSC	LC	LIC	LSC	LC	LIC
1	99.096	102.083	100.821	100.7	3.0	101.8	99.9	97.9	4.9	1.9	0
2	99.274	101.636	100.436	100.4	2.4	101.8	99.9	97.9	4.9	1.9	0.0
3	100.581	99.665	100.006	100.1	0.9	101.8	99.9	97.9	4.9	1.9	0.0
4	99.398	100.521	98.265	99.4	2.3	101.8	99.9	97.9	4.9	1.9	0.0
5	101.078	98.863	99.535	99.8	2.2	101.8	99.9	97.9	4.9	1.9	0.0
6	101.143	97.708	101.643	100.2	3.9	101.8	99.9	97.9	4.9	1.9	0.0
7	100.358	100.072	100.465	100.3	0.4	101.8	99.9	97.9	4.9	1.9	0.0
8	100.491	100.3	100.166	100.3	0.3	101.8	99.9	97.9	4.9	1.9	0.0
9	100.055	98.792	99.168	99.3	1.3	101.8	99.9	97.9	4.9	1.9	0.0
10	98.981	99.125	99.684	99.3	0.7	101.8	99.9	97.9	4.9	1.9	0.0
11	99.624	101.515	97.857	99.7	3.7	101.8	99.9	97.9	4.9	1.9	0.0
12	99.277	101.258	97.938	99.5	3.3	101.8	99.9	97.9	4.9	1.9	0.0
13	99.417	100.356	98.767	99.5	1.6	101.8	99.9	97.9	4.9	1.9	0.0
14	98.03	99.891	99.853	99.3	1.9	101.8	99.9	97.9	4.9	1.9	0.0
15	99.384	99.224	100.937	99.8	1.7	101.8	99.9	97.9	4.9	1.9	0.0
16	100.656	100.204	101.257	100.7	1.1	101.8	99.9	97.9	4.9	1.9	0.0
17	99.864	98.645	99.597	99.4	1.2	101.8	99.9	97.9	4.9	1.9	0.0
18	101.485	99.071	100.008	100.2	2.4	101.8	99.9	97.9	4.9	1.9	0.0
19	98.719	98.977	100.457	99.4	1.7	101.8	99.9	97.9	4.9	1.9	0.0
20	100.539	98.29	98.749	99.2	2.2	101.8	99.9	97.9	4.9	1.9	0.0
21	99.643	99.835	98.935	99.5	0.9	101.8	99.9	97.9	4.9	1.9	0.0
22	100.5	99.676	100.619	100.3	0.9	101.8	99.9	97.9	4.9	1.9	0.0
23	100.351	97.345	102.27	100.0	4.9	101.8	99.9	97.9	4.9	1.9	0.0
24	99.301	99.875	100.773	100.0	1.5	101.8	99.9	97.9	4.9	1.9	0.0
25	100.37	100.556	101.233	100.7	0.9	101.8	99.9	97.9	4.9	1.9	0.0

99.91.9

PROMEDIOde promedios = LC

promedio de rangos

3 mediciones constantes

A2	D3	D4
1.023	0	2.574

