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**Nombre del trabajo: Tabla de Frecuencias.**

**Materia: Bioestadística**

**Grado: "4do Cuatrimestre"**

**Grupo: LEN10SSC0120-B**

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Ejercicio 1

8	7	6	9	9
10	8	6	9	8
9	9	6	7	9
7	8	7	7	6
7	10	10	9	7
6	10	10	10	7
10	9	9	10	9
7	7	9	8	10

$n = 40$

Moda: 9

Mediana: 8.5

$$\bar{x} = \frac{\sum x_i}{N}$$

6, 6, 6, 6, 6, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 8, 8, 8, 8, 8, 9, 9, 9, 9, 9, 9, 9, 9, 9, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10

$$\frac{8+9}{2} = \frac{17}{2} = 8.5$$

Media = 8.22

$$\bar{x} = \frac{329}{40} = 8.22$$

Varianza: 1.91

$$s^2 = \frac{\sum (x - \bar{x})^2}{n-1}$$

$$(8 - 8.22)^2 = (-0.22)^2 = 0.0484$$

$$(10 - 8.22)^2 = (1.78)^2 = 3.16$$

$$(9 - 8.22)^2 = (0.78)^2 = 0.60$$

$$(7 - 8.22)^2 = (-1.22)^2 = 1.48$$

$$(7 - 8.22)^2 = (-1.22)^2 = 1.48$$

$$(6 - 8.22)^2 = (-2.22)^2 = 4.92$$

$$(10 - 8.22)^2 = (1.78)^2 = 3.16$$

$$(7 - 8.22)^2 = (-1.22)^2 = 1.48$$

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$$\sum (x - \bar{x})^2 = 74.68$$

$$s^2 = \frac{74.68}{40-1} = \frac{74.68}{39} = 1.91$$

Desviación Estándar: 1.38

$$s = \sqrt{s^2}$$

$$s = \sqrt{1.91}$$

$$s = 1.38$$

### Ejercicio 2

15	12	11	11	10	15
12	10	11	12	15	12
10	10	10	10	15	11
15	15	10	11	10	10
10	10	12	12	10	12

x	f <sub>i</sub>	F <sub>i</sub>	f <sub>v</sub>	F <sub>v</sub>	%
10	12	12	0.4	0.4	40 %
11	5	17	0.16	0.56	16 %
12	7	24	0.23	0.79	23 %
15	6	30	0.2	0.99	20 %
TOTAL	30		0.99		99 %