

**Nombre de alumno:**

**Beatriz Cahue Aranda**

**Nombre del profesor:**

**Jorge Enrique Albores**

**Nombre del trabajo:**

**Ejercicios**

**Materia:**

**Bioestadística**

**Grado:**

**4°**

**Grupo:**

**“A”**

## Datos no agrupados

40	56	45	56	50	50
55	60	55	67	49	59
60	63	54	50	55	58
63	50	50	46	48	60
47	50	65	49	40	64
40	49	62	58	44	72
55	50	78	65	50	70
50	54	84	62	45	68

$$\bar{X} = \frac{2670}{48} = \underline{\underline{55,625}}$$

$$\begin{aligned} \sum y_i &= 2670 \\ \sum y_i^2 &= 152840 \\ N &= 48 \end{aligned}$$

$$M_e = \frac{48}{2}, \frac{48}{2} + 1 = \frac{24,25}{(55) (55)} \rightarrow \frac{55+55}{2} = \frac{110}{2} = \underline{\underline{55}}$$

$$M_0 = \underline{\underline{50}}$$

$$S = \underline{\underline{9,58}}$$

$$S^2 = \frac{152840 - \frac{(2670)^2}{48}}{48-1} = \frac{152840 - \frac{18518,75}{47}}{47} = \underline{\underline{91,44}}$$

40-40-40-44-45-45-46-47-48-49-49-49-50-50  
 50-50-50-50-50-50-50-54-54-55-55-55-55  
 56-56-58-58-59-60-60-60-62-62-63-63-64-65-65  
 67-68-70-72-78-84

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## Datos no agrupados

27	40	44	35	<del>34</del>	57	35	38
35	87	35	44	44	55	87	45
40	35	60	78	35	78	35	56
78	44	66	76	55	54	88	16
35	35	76	89	80	86	44	77
44	40	82	35	66	44	35	78
56	85	35	70	77	90	80	35

$$\bar{x} = \frac{3211}{56} = \underline{\underline{57.3397}}$$

$$\begin{aligned} \sum y_i &= 3211 \\ \sum y_i^2 &= 207513 \\ N &= 56 \end{aligned}$$

$$M_c = \frac{56}{2}, \frac{56}{2} + 1 = \frac{28}{(55)}, \frac{29}{(55)} \rightarrow \frac{55 + 55}{2} = \frac{110}{2} = \underline{\underline{55}}$$

$$M_0 = \underline{\underline{35}}$$

$$S = \underline{\underline{20.62}}$$

$$S^2 = \frac{207513 - \frac{(3211)^2}{56}}{56 - 1} = \frac{207513 - 184116.44642857}{55} = \underline{\underline{425.39}}$$

27-34-35-35-35-35-35-35-35-35-35-35-35-35-35-  
 35-40-40-40-44-44-44-44-44-44-45-54-55-  
 55-56-56-57-60-66-66-67-70-76-76-77-77-78-78  
 78-78-78-80-80-82-85-86-87-87-88-89-90-94

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