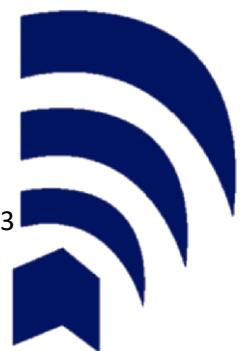# Universidad Del Sureste

Estadistica

Actividad 3

Tabla de frecuencia

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Comitán de Dominguez Chia pas a 05 de Diciembre del 2021

EJERCICIO 1

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

$n = 40$

$\varepsilon f_i = 329$

$\varepsilon f_i^2 = 2,781$

Datos	Frecuencia	% fi	fia	% fia	Grados
6	5	12.5%	5	12.5%	45°
7	10	25%	15	37.5%	90°
8	5	12.5%	20	50%	45°
9	11	27.5%	31	77.5%	99°
10	9	22.5%	40	100%	81°

$\bar{X} = \dfrac{\varepsilon f_i}{n}$ $\bar{x} = \dfrac{329}{40}$ $\bar{x} = 8.22$

$Me = \dfrac{n}{2} + \dfrac{n}{2} + 1$ $Me = \dfrac{40}{2}, \dfrac{40}{2} + 1$ $Me = 20, 21$ $Me = \dfrac{6+7}{2}$ $Me = 6.5$

$S^2 = \dfrac{2,781 - \dfrac{(329)^2}{40}}{40-1}$ $S^2 = 1.92$

$S = \sqrt{1.92}$ $S = 1.38$

$Mo = 9$

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

$n = 30$

$\sum f_i = 349$

$\sum f_i^2 = 4,163$

Datos	Frecuencia	% f_i	f_a	% f_{ia}	Grados
10	12	40%	12	40%	144°
11	5	16.66%	17	42.5%	60°
12	7	23.33%	24	80%	84°
15	6	20%	30	100%	72°

$\bar{x} = \dfrac{\sum f_i}{n}$ $\bar{x} = \dfrac{349}{30}$ $\bar{x} = \underline{11.63}$

$Me = \dfrac{30}{2}, \dfrac{30}{2} + 1$ $Me = 15, 16$ $Me = \dfrac{10 + 10}{2}$ $Me = \underline{10}$

$S^2 = \dfrac{4,163 - \dfrac{(349)^2}{30}}{30 - 1}$ $S^2 = \underline{3.55}$
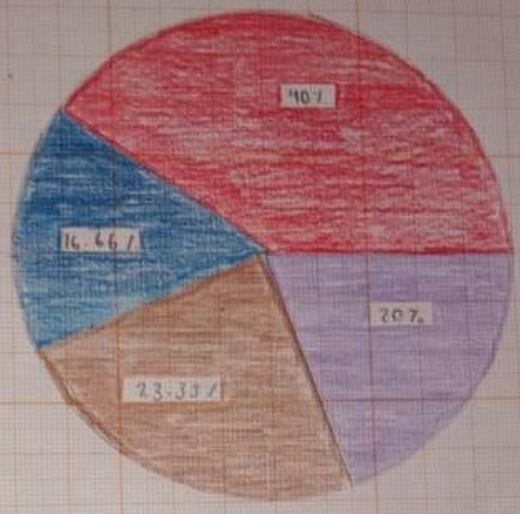
$S = \sqrt{3.55}$ $S = \underline{1.88}$

$Mo = \underline{10}$

Ejercicio 1

25%

12.5%

17.5%

27.5%

22.5%

6
7
8
9
10

Ejercicio 2

40%

16.66%

20%

23.33%

10
11
12
13