



GRUPO EDUCATIVO ALBORES ALCAZAR S.C.

UNIVERSIDAD DEL SURESTE

CAMPUS OCOSINGO

MATERIA:

ESTADISTICA

TRABAJO:

DATOS AGRUPADOS

CATEDRATICO:

ABEL ESTRADA DICHI

ALUMNA:

MARINA JUDITH GOMEZ HERNANDEZ

CARRERA:

PSICOLOGIA

OCOSINGO CHIAPAS A; 14 DE OCTUBRE DE 2022.

Se tienen los siguientes datos de las interacciones sociales al día (excluyendo los familiares) que los alumnos de secundaria tienen la semana.

18, 15, 23, 3, 21, 19, 17, 16, 24, 25, 30, 3, 5, 9, 33, 32, 26, 13, 14, 14, 13, 13, 29, 8
 4, 5, 19, 24, 17, 6, 25, 8, 18, 29, 1, 18, 22, 3, 22, 29, 2, 6, 10, 29, 10, 21, 38, 41, 16, 17, 8,
 40, 8, 10, 18, 7, 4, 4, 8, 4, 3, 23, 10, 19, 21, 13, 12, 10, 4, 17, 11, 21, 9, 8, 7, 6, 3, 22, 14
 25, 4, 4, 10, 18, 4, 28, 17, 19, 24, 35, 7, 30, 8, 26

$$K = 1 + 3.322 \log n$$

$$K = 1 + 3.322 \log 94$$

$$K = 7.5 \approx 7$$

$$w = \frac{R}{K}$$

$$R = V_{max} - V_{min}$$

$$R = 48 - 1 = 47$$

$$w = \frac{47}{8}$$

$$w = 5.8 \approx 6$$

Intervalos	f_i	Fv	Fp	FPA	M_i	$f_i \cdot M_i$	$M_i - \bar{x}$	$(M_i - \bar{x})^2$	$f_i (M_i - \bar{x})^2$
1 - 6	7	0.19	19	19	7	119	-27.57	760.1049	12,921.78
7 - 12	22	0.24	24	43	19	418	-15.57	242.42	5,333.34
13 - 18	17	0.19	19	62	31	527	-3.57	12.74	216.66
19 - 24	14	0.14	14	76	43	602	8.43	71.06	994.90
25 - 30	13	0.13	13	89	55	715	20.43	417.38	5,426.0
31 - 36	4	0.04	4	93	67	268	32.43	1051.70	4,206.8
37 - 42	3	0.03	3	96	79	237	44.43	1,974.02	5,922.07
43 - 48	4	0.04	4	100	91	364	56.43	3,184.34	12,737.37
Total	94	1	100			3,250			47,758.92

$k = 8$
 $w = 6 - 1 = 5$
 $5 + 1 = 6$

$$\bar{x} = \frac{\sum f_i M_i}{n} = \frac{3250}{94} = 34.57$$

$$s^2 = \frac{\sum f_i (M_i - \bar{x})^2}{n-1} = \frac{47,758.92}{93} = 513.53$$

$$s^2 = 22.66$$

$$CV = \frac{22.66}{34.57} \times 100 = 65.548$$

Grafica de barra



Grafica de pastel



ZTE Blade V30 Vita

Grafica de ojiva

