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Licenciatura: Enfermería

Materia: Bioestadística

Nombre del trabajo:

Ejercicios:

“Tabla de frecuencias”

Frontera Comalapa, Chiapas a 17 de septiembre del 2020

② Edades de Pacientes

15

① Horas de sueño en pacientes.

7 8 5 10 9 10 5 12 8 6
 10 11 6 5 10 11 10 5 9 13
 8 12 8 8 10 13 7 6 8 8
 5 6 9 7 14 8 7 5 5 14

$$R = X_{\max} - X_{\min} = 15 - 5 = 10$$

$$K = 1 + 3.322 \log 40 = 6.32 = 6$$

$$A = \frac{R}{K} = \frac{10}{6} = 1.6666 = 2$$

$$x = \frac{5+7}{2} = 6$$

$$x = \frac{7+9}{2} = 8$$

$$x = \frac{9+11}{2} = 10$$

$$x = \frac{11+13}{2} = 12$$

$$x = \frac{13+15}{2} = 14$$

$$x = \frac{15+17}{2} = 16$$

$$Fr = \frac{f_1}{n} = \frac{11}{40} = 0.275$$

$$Fr = \frac{12}{40} = 0.3$$

$$Fr = \frac{9}{40} = 0.225$$

$$Fr = \frac{4}{40} = 0.1$$

$$Fr = \frac{3}{40} = 0.075$$

$$Fr = \frac{1}{40} = 0.025$$

Clases	X	F	Fr	F
5-7	6	11	0.275	11
7-9	8	12	0.3	23
9-11	10	9	0.225	32
11-13	12	4	0.1	36
13-15	14	3	0.075	39
15-17	16	1	0.025	40

② Edades de Pacientes

15	38	14	13	29	25
20	13	16	32	44	39
43	46	19	23	24	18
19	20	21	18	25	33
13	18	22	24	27	27

$$R = X_{\max} - X_{\min} = 46 - 13 = 33$$

$$K = 1 + 3.322 \log 30 = 5.90 = 6$$

$$A = \frac{R}{K} = \frac{33}{6} = 5.5 = 6$$

$$X = \frac{13+19}{6} = 5.3333$$

$$X = \frac{19+25}{6} = 7.3333$$

$$X = \frac{25+31}{6} = 9.3333$$

$$X = \frac{31+37}{6} = 11.3333$$

$$X = \frac{37+43}{6} = 13.3333$$

$$X = \frac{43+49}{6} = 15.3333$$

$$F_r = \frac{F_1}{n} = \frac{9}{30} = 0.3$$

$$F_r = \frac{9}{30} = 0.3$$

$$F_r = \frac{5}{30} = 0.1666$$

$$F_r = \frac{2}{30} = 0.0666$$

$$F_r = \frac{2}{30} = 0.0666$$

$$F_r = \frac{3}{30} = 0.1$$

Clases	x	F	F _r	F
13-19	5.3333	9	0.3	9
19-25	7.3333	9	0.3	18
25-31	9.3333	5	0.1666	23
31-37	11.3333	2	0.0666	25
37-43	13.3333	2	0.0666	27
43-49	15.3333	3	0.1	30