



INDICE

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MAESTRO: MAGNER JOEL HERRERA

MATERIA: ESTADISTICA DESCRIPTIVA

***NOMBRE DEL TRABAJO: EJERCICIOS DE
DISTRIBUCION DE FRECUENCIA***

GRADO: 3

GRUPO: "C"

FECHA DE ENTREGA: 05/07/2020

①

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	15	7	6	8	8
5	6	9	7	14	8	7	5	5	11

$$\begin{aligned} R &= X_{\max} - X_{\min} \\ &= 15 - 5 \\ &= 10 \end{aligned}$$

① R Rango

② k intervalos

③ A

$$\begin{aligned} k &= 1 + 3,322 \log 10 \\ &= 6,32 = 6 \end{aligned}$$

$$k = 6$$

$$A = \frac{R}{k} = \frac{10}{6}$$

$$A = 1,6$$

(1)

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 15 7 6 8 8
5 6 9 7 14 8 7 5 5 14

$$R = 10$$

$$h = 6$$

$$A = 1.6$$

Classes	x	f	fr	F
5-7	6	11	0.275	11
7-9	8	12	0.03	23
9-11	10	9	0.225	32
11-13	12	4	0.01	36
13-15	14	3	0.075	39
15-17	16	1	0.025	40
		40	0.64	

②

19 38 14 13 29 25

$$R = \lambda_{\max} - \lambda_{\min}$$

20 13 16 32 44 39

$$R = 46 - 13$$

45 46 19 23 24 18

$$R = 33$$

19 20 21 18 25 33

13 18 22 24 27 27

$$k = 1 + 3.332 \log_{10} 30$$

$$k = 5.92 = 6$$

$$A = \frac{R}{k} = \frac{33}{6} = 5.5 = 5$$

(2)

15 36 14 13 29 25
220 13 16 32 44 34
40 46 14 23 24 18
19 20 21 18 20 33
13 18 22 24 27 27

$R = 33$

(3)

$k = 6$

$NR = k \cdot A$

$A = 5$

$= 6 \times 5 = 30$

test	x	f	fr	F
12-17	14	6	0.2	6
17-22	19	8	0.266	14
22-27	24	6	0.2	20
27-32	29	3	0.1	23
32-37	34	2	0.066	25
37-42	39	5	0.166	30
		30		