

Pablo Angel Campo Santis

12-11-21

45	53	65	56	49	72	49	76
100	92	63	45	67	83	50	89
90	100	98	69	77	88	66	90
56	98	88	65	88	94	63	93
50	49	80	92	92	97	78	94
73	56	84	78	100	47	84	50
90	52	91	67	49	68	92	45
91	77	100	45	56	74	100	50

7 intervalos

$$Rango : (45 - 100) \div 7$$

$$h = 55 \div 7 = 7.857$$

$$h = 8 - 1 = 7$$

Intervalo	f_i	$\%f_i$	f_{ia}	$\%f_{ia}$	\bar{x}_i	Fix_i	x_i^2	$Fix_i x_i^2$
45 - 52	14	21.87%	14	21.87%	48.5	679	2,352.25	32,931.5
53 - 60	5	7.81%	19	29.68%	56.5	282.5	3,192.25	15,961.25
61 - 68	8	12.5%	27	42.18%	64.5	516	4,160.25	33,282
69 - 76	5	7.81%	32	50.0%	72.5	362.5	5,266.25	26,281.25
77 - 84	7	10.93%	39	60.93%	80.5	563.5	6,480.25	45,361.75
85 - 92	14	21.87%	53	82.81%	88.5	1,239	7,832.25	109,651.5
93 - 100	11	17.18%	64	100.0%	96.5	1,061.5	9,312.25	102,434.25
	$\Sigma f_i = 64$					4704		365,904

45-52 = |||| |||| ||||
 53-60 = ||||
 61-68 = |||| ||||
 69-76 = ||||
 77-84 = |||| ||
 85-92 = |||| |||| ||||
 93-100 = |||| ||||

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79	75	71	79	71	44
38	56	79	42	68	45
70	40	75	41	53	54
78	42	66	45	64	58
55	56	73	56	41	64
38	67	79	49	44	38

6 intervalos

$$hango = \frac{(79 - 38) + 1}{6}$$

$$h = \frac{41 + 1}{6} = 42$$

$$h = 7 - 1 = 6$$

Intervalo	f_i	$\%f_i$	f_{iq}	$\%f_{iq}$	\bar{x}_i	$f_i \bar{x}_i$	x_i^2	$f_i x_i^2$
38 - 44	10	27.77%	10	27.77%	41	410	1681	16,810
45 - 51	3	8.33%	13	36.11%	48	144	2304	6,912
52 - 58	7	19.44%	20	55.55%	55	385	3025	21,175
59 - 65	1	2.77%	21	58.33%	62	62	3844	3844
66 - 72	7	19.44%	28	77.77%	69	483	4761	33,327
73 - 79	<u>8</u>	22.22%	36	100%	76	<u>608</u>	5776	<u>46,108</u>
	36					2092		128,276

38 - 44 = ~~||||~~
 45 - 51 = |||
 52 - 58 = ~~||||~~
 59 - 65 = |
 66 - 72 = ~~||||~~
 73 - 79 = ~~||||~~ |||