п.	

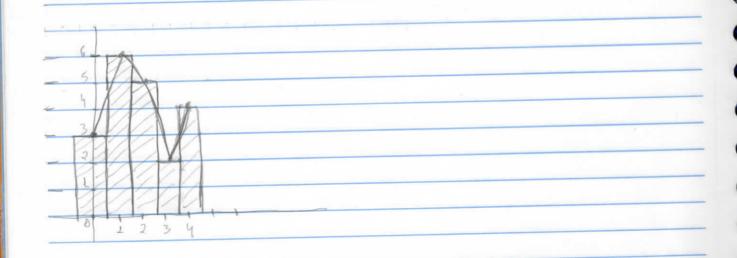
Xi	li	(fu	th	En	Xi.da	(X1-X)2-fi
0	3	3	15/0	15%	0	10,53
1	6	01	30%.	45%	6.	4,86
2	5	114	25%	70%	10.	0,05
3	2	16	10%	90%	6	2,42
4	4	20	200	100%	16	17,64
	20		100 4	.\	38	35,8

MEDIA - 19

MEDIANA :	Xn.	+ ×n + L	20	1 20 11	- X10 + X11	= 2+2=2	
TIE VIA III	2	2	 2	2	2	2	

VARIANCIA

DESVID PADRAD



						data • •
2)						
Xi	fi	Ri	fr	En	Xi, fi	$(x_{i}-\bar{x})^{2}$
160	20	20	25%	25%	3200	55, 21
161	14	37	21,23%	46,25%.	2737	7,42
162	19	56	23,75%		3078	a. a o
163	18	74	22.5%	92,5%	2934	38,32
164	16	80	7,5%	100%	984	32,95
1 80 -	80		100%		12933	129,89

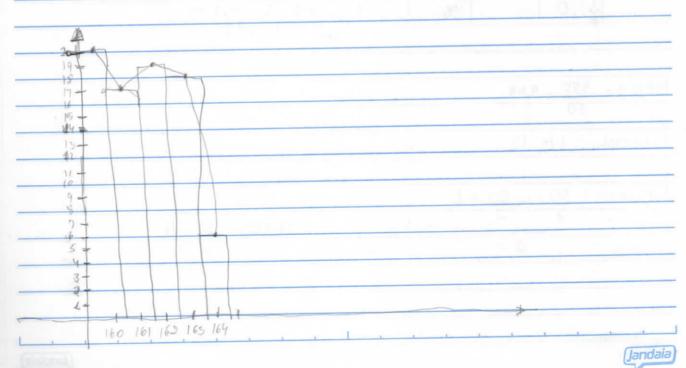
MEDIA = 12933 - 161,66 80

MODA = 160

MEDIANA : Xm + Xm+L ×40+×41 - 162+162-162

VARIANCIA - 129,89 - 1,64

DESVIO PADRÃO = VI,64 = 1,28



						③ ① ④	0 3 3
X;	li	E	h	FR	X. J.	(x,-x)2.fi	
0	3	3	6%	6%	0	284.60	L BC
L	3	6	6%	12%	3	229.16	
2	3	9	6%	139/	6	179.72	9
3	2	LL	4%	22%	6	90.86	
4	3	14	6%	28%	12	98.84	
5	2	16	My.	3271	10	44.94	0.5
6	2	18	4 1/2	367.	12	27.98	
η	L	19	2 1/1	38%	7	7.51	gri 2 40
8	2	21	4 %	42%	16	6.06	W
10	1	22	2 %	14.04	10	0.07	Legal Line
[1	6	28	124	56%	66	9.53	
12	6	34	12 7/	687	72	30.65	E AMAG
13	2	36 S	4 %	72 /-	26	21.26	
14	3	39	6 7	78%	42	54.44	
15	1	40	21/	80%	15	27.67	
16	1	ч	27	925.	16	39.19	- ALVIEW
17	3	49	6 1/1	987	51	158.12	
19	3	44	67	945.	57	257.24	
20	3	50	6.7	100 %	60 S =487	315,80	

146 . 1694 0.514	
MÉDIA - 487 - 9,74	
	1 +4
31MODAL : 11, 12	
MEDIANA: 50 + 50 + L 2 2 - X25 + X26 - 11+11 - 22-11	
2 2 2	
2	
	-5

3 data 3 T Q Q S S D VARIANCIA Sx2 = 1883,62 = 38.44 49 DESVIO PADRÃO Sx = V 38.44 - 6.20 8 10 11 12 13 14 45 16 17 19 30 Xx

							data		0.0
4)							(§ (T)	0 0 3	(3) (0)
ΧL	ji.	Ei	h	Er	Xi. u	(xx)2.	li .	Bu English	TAZ
50	3	3	57.	5%	150	259,44	`	1,001	
5L	4	10	11.64%	16:67%	357	482,23		19	
52	3	13	5 %	21.67%	156	159.87			
53	2	15	3.33%	25%	106	79.38		11, 11	100
54	3	18	5%	30%	162	84.24	asi.	11,000	7.2
55	3	21	54.	357.	165	55.44			
56	3	24	5%	40%	168	32.64			
57	3	27	5./.	45%	171	15.87			
58	3	30	5%.	50%	144	5.04			
59	2	32	3.334	53.33%.	118	0.18			
60	1 2	34	3.33 %	56.66%.	120	0.98			
62	2	36	3.33%	59.99%	124	14.58		Tarr	
63	5	41	8.33%	68.32%	315	68.45			
64	3	44	5%	73.327	192	66.27			
65	3	44	5%	78.32%	195	97.47			
66	4	51	6.67%	84.49-/	264	179.56			
00				01 /1 W	70	100 -0			

86-667.

93.32%

100%

89.997.1.136

67

280

2=3558

52

54

56

60

2

2

4

S=60

64

68

69

70

1.67%.

3.33%

6.68%

Z= 100%

MEDIA = 3658 - 59.3	Variancia: 2458,60 - 41,67
60	59
MODA : 51	DESVIO PADRÃO: V 91.67 = 6.46

59.29

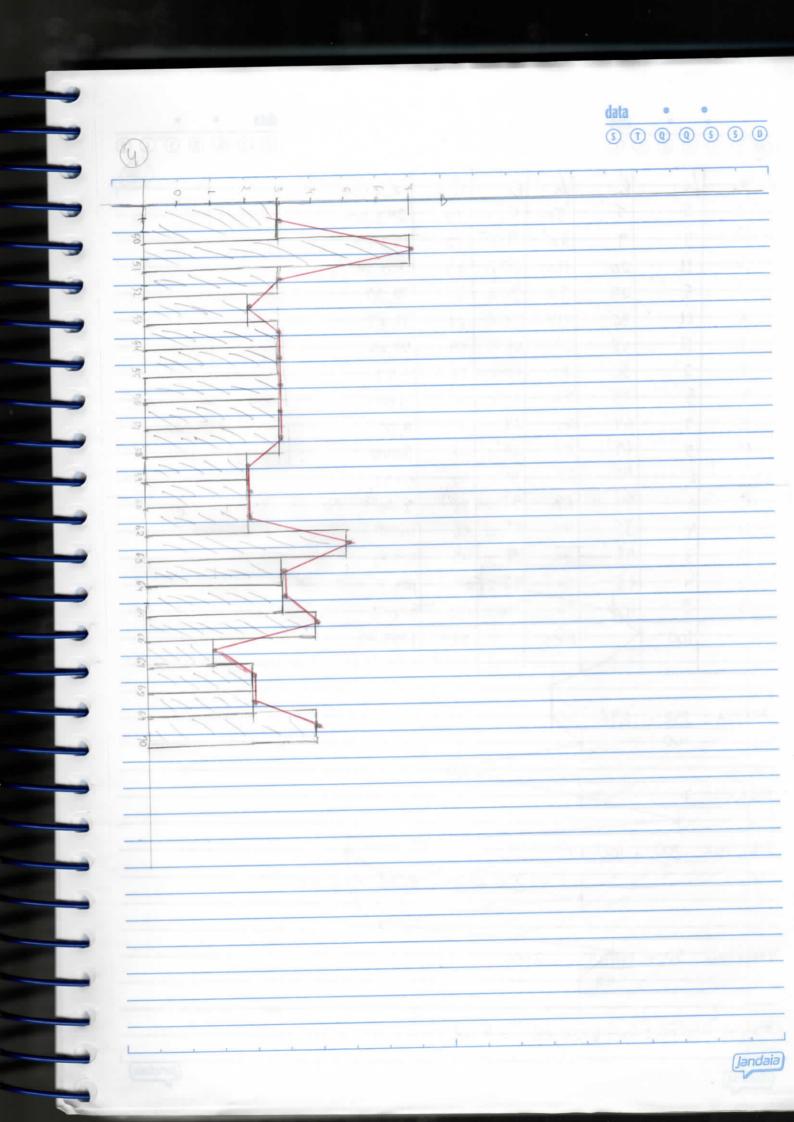
151.38

454.96

E= 2458,60

+60+1 MEDIANA = 60 Xxx+Xx1 - 58 +59 -58.50 2 2

Jandaia



XL	li.	(i	h	Fr	Xi.h	(*x=x)2.h
2	5	5	57.	511	10	243,60
3	4	9	4%	9%	12	143.04
4	LL	20	117.	207.	44	212.80
5	5	25	5%.	25%	25	79.20
6	LL	36	11%	36%	66	97.68
7	12	48	127.	48%	84	47.04
9	12	50	27.	50%	16	1.92
9	5	55	6%	55%	45	0.00
10	91	64	97.	647.	90	9.36
EL	5	69	5%	69%	55	20.40
12	6	75	6%	75%	72	54.12
13	6	81	67.	81%	78	96.96
14	4	85	47.	85 %	56	100.90
15	3	88	37.	88 7.		108.12
16	4	92	47.	92 %		197.12
17	8	100	87.	100%	136	514.56
	100		100%		898	1997.92

MEDIA: 898 - 8,98

MODA = 7

MEDIANA: 100 + 100 + 1 2 2 - X50 + X51 - 819 - 17 - 8.5 2 2 2 2

VARIÂNCIA: 5x2 - 1984.92 - 20.08

DESVIO PADRAD: Sx = 1 20:08 = 4.48

data • • S T Q Q S S D

Xi	1/4	(i	bi	€n	Xi.li	(xi-x)24
5	L	1	3.85 7.	3.85 1/.	3	38.81
ŋ	6.	6	19.23%	23.08 1/.	35	89.46
8	Ч	10	15.38 %	38.46 4	32	96,73
.01	3.	13	16.54 %	50.00 7.	27	14.92
10	3.	16	11.544	61.54%	30	4.54
12	3	19	11847	73.08%	36	1.78
16	2	16	7.69 %	80.47%	30	28,43
18	13	24	11.54%	92.319	54	134,50
20	L	25	3.85 1	96.16%	20	76.91
23	1	26	3.84 /	10000%	23	138.53
	5:26		5. 100.00		2=292	2:572.61
	4		fr			

MEDIA = 292 = 11.23

MODA - 7

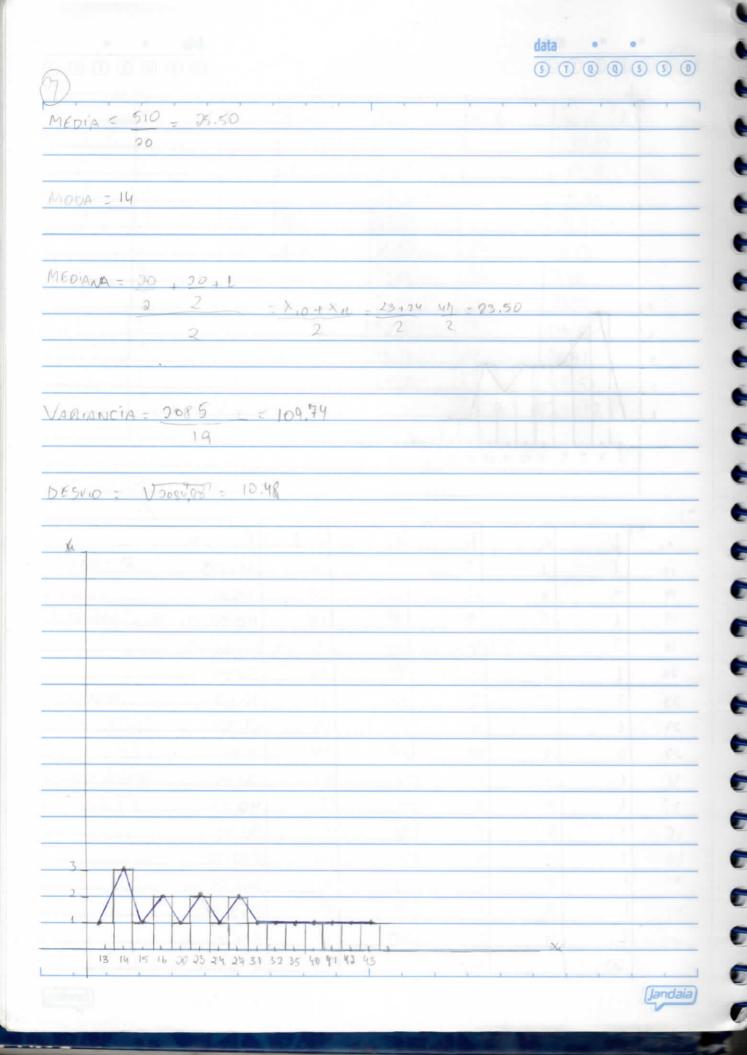
 $\frac{-\times13+\times14}{2} = \frac{9+10-19-9.5}{2}$

VARIANCIA

5x': 577.61 - . 22.90 25

DESVIO PADRAO

5x = 4.79



data S T Q Q S S D 35.29 35.29 1. VILA 11.76 47.05% 2 ALÉTICO 9 17 52.95 100 % 17 100% MODA - GOIÁS GOING Jandaia

data • • \$ 1 0 0 \$ 0 0

Xi	di	Fr	h	Fi	Xi.fi	(xxx)?.hi	MEDIA = 156 -15.6
L	1	L	10	10	L	213,16	10
5	L	5	10	20	5	112.30	MODA = 4
5	5	М	20	40	19	147.92	MEDIANA = X + X - 9+15 = 12
9	1	5	10	50	9	43.56	2 2
15	L	6	10	60	15	0.36	VARIANCIA : 2054.40 = .228-2
17	L	7.	10	10	179	1.96	9
(8)	L	8	10	80	18	5.76	
23	1	9	10	90	23	54.76	DESUID PADRAD = \$228.27 - 15.11
54	1	10	10	100	54	1474,56	
	10		100		156	2054,40	

