

Dates no agrupados  
Actividad 1

23	25	23	23	32	28	28
20	20	24	27	30	25	25
14	30	25	30	20	20	30
30	25	28	24	35	34	32
23	20	20	26	34	14	31
20	24	20	28	30	18	30
24	25	23	30	20	20	25

18	20	23	24	25	28	30
19	20	23	25	25	30	31
19	20	23	25	26	30	32
20	20	23	25	26	30	32
20	20	24	25	27	30	34
20	20	24	25	28	30	34
20	20	24	25	28	30	35
136	140	164	174	185	208	228

1,235

324	400	524	576	625	784	900
361	400	524	625	625	900	961
361	400	524	625	676	900	1,024
400	400	524	625	676	900	1,024
400	400	576	625	729	900	1,156
400	400	576	625	784	900	1,156
400	400	576	625	784	900	1,225
2,646	2,800	3,844	4,326	4,899	6,184	7,446

32,145

# Actividad 1

$$\sum f_i = 1,235$$

$$\sum f_i^2 = 32,145$$

$$n = 49$$

$$\bar{x} = \frac{\sum f_i}{n} = \frac{1235}{49} = \underline{25.20}$$

$$Me = \frac{n+1}{2} \text{ impar}$$

$$\frac{n+1}{2} = \frac{49+1}{2} = \underline{25} = \text{mediana}$$

$$\text{Moda} = \underline{20}$$

$$S^2 = \frac{\sum f_i^2 - \frac{(\sum f_i)^2}{n}}{n-1} = \frac{32,145 - \frac{(1235)^2}{49}}{48} = \underline{21.20}$$

$$\sqrt{21.20} = \underline{4.60}$$

# Actividad 2

23	26	28	32	20	30
20	20	30	30	30	30
25	33	35	20	20	30
30	30	30	24	30	20
28	20	20	26	32	20

20	20	24	28	30	30
20	20	25	30	30	32
20	20	26	30	30	32
20	20	26	30	30	33
20	23	28	30	30	33
<u>100</u>	<u>103</u>	<u>124</u>	<u>148</u>	<u>150</u>	<u>160 = 790 /</u>

400	400	536	784	900	900
400	400	625	900	900	1,024
400	400	676	900	900	1,024
400	400	676	900	900	1,084
400	529	784	900	900	1,084
<u>2,000</u>	<u>2,129</u>	<u>3,337</u>	<u>4,364</u>	<u>4,500</u>	<u>5,126 = 21,476 /</u>

# Actividad 2

S. bobadilla

$$\sum f_i = 790$$

$$\sum f_i^2 = 21,476$$

$$n = 30$$

$$\bar{x} = \frac{\sum f_i}{n} = \frac{790}{30} = \underline{26.33}$$

$$Me = \frac{n}{2} + \frac{n}{2} + 1 = \frac{30}{2} + \frac{30}{2} + 1$$

$$15 + 16 + 28$$

$$28$$

$$Moda = \underline{30}$$

$$\frac{56}{2} = \underline{28}$$

$$s^2 = \frac{\sum f_i^2 - \frac{(\sum f_i)^2}{n}}{n-1} = \frac{21,476 - \frac{(790)^2}{30}}{29} = \underline{23.19}$$

$$\sqrt{23.19} = \underline{4.81}$$

# Actividad 3

45	45	48	30	45	48
50	48	34	34	45	48
48	48	38	35	45	48
49	47	42	37	47	48
50	37	40	38	48	49
35	30	48	38	48	49
40	38	50	40	48	50
45	40	48	40	48	50
48	48	48	40	48	50
48	50	44	42	48	50
			<u>374</u>	<u>470</u>	<u>490 = 1,334</u>

900	2,025	2,304
1,156	2,025	2,304
1,225	2,025	2,304
1,369	2,209	2,304
1,444	2,304	2,401
1,444	2,304	2,401
1,600	2,304	2,500
1,600	2,304	2,500
1,600	2,304	2,500
1,764	2,304	2,500
<u>14,102</u>	<u>22,108</u>	<u>24,018 = 60,228</u>

# Actividad 3

$$\sum f_i = 1,334$$

$$\sum F_i = 60,228$$

$$n = 30$$

$$\bar{x} = \frac{\sum F_i}{n} = \frac{1,334}{30} = \underline{44.133}$$

$$Me = \frac{n}{2}, \frac{n}{2} + 1$$

$$15, 16 + \frac{48}{48}$$

$$\frac{96}{2} = \underline{48} \text{ Mediana}$$

$$\text{Moda} = \underline{48}$$

$$s^2 = \frac{\sum F_i^2}{n} - \frac{(\sum F_i)^2}{n^2} = \frac{60,228}{29} - \frac{(1,334)^2}{900} = \underline{31.36}$$

$$\sqrt{31.36} = \underline{5.6}$$