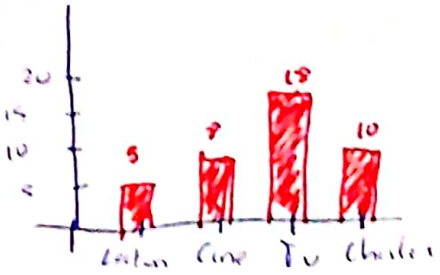
EJERCICIOS RESUELTOS 2º ESO 12 Mayo

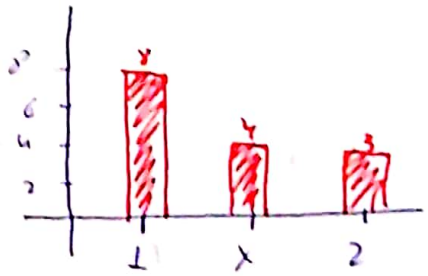
(1)

x_i	f_i	F_i	h_i
Lectura	5	5	0,12
Cine	8	13	0,195
Tv	18	31	0,439
Charlar	10	41	0,244
	41		1



(2)

x_i	f_i	F_i	h_i
1	8	8	0,53
X	4	12	0,26
2	3	15	0,2
	15		1

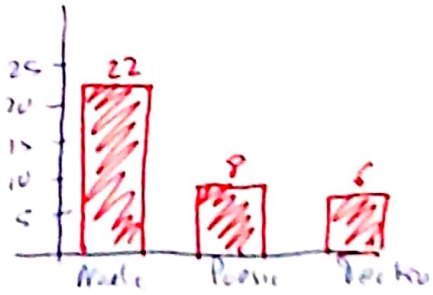


(3)

x_i	f_i	F_i	h_i
1	4	4	0,2
2	3	7	0,15
3	5	12	0,25
4	3	15	0,15
5	3	18	0,15
6	2	20	0,1
	20		1

(4)

x_i	f_i	h_i	n_i
Novela	22	22	0,61
Poesía	8	30	0,22
Teatro	6	36	0,16
	36		1



(5) Media $= \frac{6+2+9+5+5+8+9+7+9+8+1+7+2+9+10+11}{16} = \frac{108}{16} = \boxed{6,75}$ $\bar{x}$

Moda $= 9$

Mediana $\rightarrow$ 1 2 2 5 5 6 $\boxed{7\ 8}$ 8 9 9 9 9 10 11

$\frac{7+8}{2} = \frac{15}{2} = 7,5$

(6) Me $= \frac{4+4+6+5+3+5+8+11+3+8+6+8+3+5+2}{15} = \frac{86}{15} = 5,7\overline{3}$

Moda $= 8$

Mediana 2 3 3 4 4 5 5 $\boxed{5}$ 6 6 8 8 8 8 11 (5)

(5)

(8)

Animal	f_r	f_i
Gato	2/30	2
Águila	4/30	4
perro	8/30	8
tiburón	5/30	5
canguro	10/30	10
cocodrilo	1/30	1

(b) 30 personas

(c) El canguro

(d) El cocodrilo.

(7) $\bar{x} = \text{Media} = \frac{167+172+169+150+162+155+157+153+164+153+170+167}{12} = 161{,}58$

Moda = Mo = Dos modas → 153 y 167

Mediana 150, 153, 153, 155, 157, $\boxed{162, 164}$, 167, 167, 169, 170, 172

$\frac{162+164}{2} = 163 = Me.$

(9) $\bar{x} = \text{Media} = \frac{23+19+24+21+22+23}{6} = 22$

(10)

Elena → Media ponderada $= \frac{7+2\cdot5+3\cdot6}{6} = 5{,}8\overline{3}$

Jaime → Media Ponderada $= \frac{5+2\cdot5+3\cdot5}{6} = 5$

Alberto → Media Ponderada $= \frac{7+2\cdot7+3\cdot8}{6} = 7{,}5$

Sara → Media Ponderada $= \frac{5+2\cdot4+3\cdot2}{6} = 3{,}1\overline{6}$