



ALUMNO: Misael Espinosa Aguilar

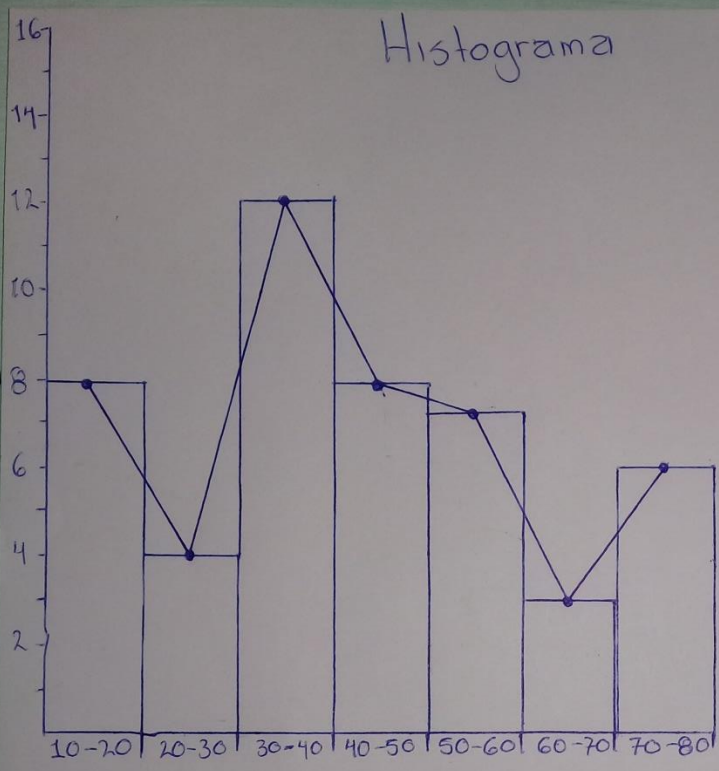
MATERIA: Estadística Descriptiva

FECHA :30/05/2020

Datos	$f_i$	$f_{ire}$	$M_c$	$f_i \cdot m_c$	$f_r$	$f_{ir}$
10-20	8	8	15	120	0.166	16.6%
20-30	4	12	25	100	0.083	8.3%
30-40	12	24	35	420	0.25	25%
40-50	8	32	45	360	0.166	16.6%
50-60	7	39	55	385	0.145	14.5%
60-70	3	42	65	195	0.062	6.2%
70-80	6	48	75	450	0.125	12.5%

$$N = 48$$

# Histograma



Promedio

$$\begin{aligned}\bar{X} &= \frac{\sum u_c \cdot f_a}{N} = \frac{120+100+420+360+385+195+450}{N=48} \\ &= \frac{2,030}{48} = 42.29\end{aligned}$$

Moda

$$M_0 = 30 + \left( \frac{8}{4+8} \right) \cdot 10 = 36.66$$

Mediana

$$M = 30 + \left( \frac{20-12}{12} \right) \cdot 10 = 36.66$$