



Nombre del alumno: Alberto Bermúdez Trujillo

Grado: 5to cuatrimestre de bachillerato

Grupo: recursos humanos

Materia: **estadística**

Nombre de la actividad: **ejercicio**

## establecimientos 50

~~42~~, ~~64~~, ~~36~~, ~~37~~, ~~58~~, ~~57~~, ~~61~~, ~~59~~, ~~54~~, ~~45~~  
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$$R=26 \quad K=6 \quad A=5$$

Clase	$X_i$	Fi	Pv	F	$X_i \cdot F_i$	
36-41	38.5	5	0.1	5	192.5	
41-46	43.5	5	0.1	10	217.5	$x = 53.4$
46-51	48.5	8	0.16	18	328	$Me = 54.89$
51-56	53.5	9	0.18	27	481.5	$Mo = 56.16$
56-61	58.5	13	0.26	40	760.5	
61-66	63.5	10	0.2	50	630	
		50			2,670	

$$\bar{X} = \frac{Li + Ls}{2} \quad x^{-2} = 2.034 \div 50$$

$$\bar{x} = 52.68$$

$$f_i = \frac{F}{N}$$

$$\bar{x} = \frac{\sum X_i \cdot F_i}{N} \quad \frac{2,670}{50} = 53.4$$

$$Me = Li + \frac{\frac{N}{2} - Fi-1}{Fi} \cdot (Ls - Li)$$

$$46 + \frac{\frac{50}{2} - 10}{8} \cdot (50 - 46) = 46 + \frac{15}{8} \cdot 4 = 46 + 7.5 = 53.5$$

$$= 46 + \frac{15}{8} = \frac{37}{1}$$

$$46 + 7.5 = 53.5$$