

**Nombre: Luis Fernando López Gómez**

**Nombre Del Tema :actividad 3**

**Parcial : 3**

**Nombre De La Materia:ESTADISTICA  
INFERENCIAL**

**Nombre Del Profesor :JORGE  
SEBASTIAN DOMINGUEZ TORRES**

**Licenciatura: Psicología**

**Cuatrimestre : 4**



① 2, 3, 4, 5, 5, 6, 7, 8, 9, 10, 10, 11, 11, 12

a) 30%

$$D_3 = \frac{3 \cdot 15}{10}$$

De 295

$$D_3 = 4.5 = 5\#$$

b) 75

$$Q_3 = 3.15$$

$$\sqrt{9}$$

$$Q_3 = 11.25 \quad \text{De 296}$$

$$11\#$$

c) 43%

$$P_{43} = \frac{43 \cdot 15}{100} = 6.45 = 6\#$$

De 2910

② 40, 47, 50, 51, 55, 55, 58, 69, 66, 66, 69, 69, 70, 73, 73, 75, 79, 77, 79, 80

a) ¿Que porcentaje pesa mas de 60 kg?

$$8 = \frac{? \cdot 20}{100}$$

$$\frac{800}{20} = ?$$

$$= 40\%$$

b) 75%

$$P_{75} = \frac{75 \cdot 20}{100} = 15\# \quad \text{del } 90 \text{ a } 73$$

c) 28%.  $P_{28} = \frac{28 \cdot 20}{100}$

$$P_{28} = 5.6 = 6\# \quad \text{De } 90 \text{ a } 55$$

Edades	$f_i$	$F_i$
0-10	10	10
10-20	12	22
20-30	15	37
30-40	14	51
40-50	9	60

a) 40%

$$D_4 = 4 \cdot 60 = 24 = 2 \cdot 12$$

$$10 = 2 \cdot 5$$

$$C = L_i + \frac{(H - f_i \cdot i)}{f_i} \cdot g$$

$$C = 20 + \frac{(29 - 22)}{15} \cdot 10 = \frac{320}{15}$$

$$C = 21.33$$

$$C = 20 - 21$$

b) 81%

$$P_1 = \frac{81 \cdot 60}{100} = 48.6 = 49$$

$$C = 30 + \frac{(49 - 37)}{14} \cdot 10$$

$$= 30 + \frac{120}{14} = 38.57$$

$$C = 39$$