



**Mi Universidad**

*Nombre del Alumno: Carlos Andrés Mendoza Gómez*

*Nombre del profesor: Sebastián Domínguez*

*Parcial: Cuarto Parcial*

*Nombre de la Materia: Estadística*

*Cuatrimestre: Quinto Cuatrimestre*

*Nombre de la Licenciatura : Administración de los recursos humanos*

De 20 estudiantes tenemos sus evaluaciones de un examen calcular el Q1, D5, P25

5, 5, 8, 7, 9, 10, 7, 6, 8, 9, 10, 10, 8, 7, 6, 5, 9, 6, 7, 8,

5, 5, 5, 6, 6, 6, 7, 7, 7, 7, 8, 8, 8, 8, 9, 9, 9, 10, 10, 10.

$$Q = \frac{1 \times 20}{4}$$

$$D = \frac{5 \times 20}{10}$$

$$P = \frac{75 \times 20}{100}$$

$$Q = 5 //$$

$$D = 10 //$$

$$P = 15 //$$

De la siguiente tabla de frecuencias calcular el Q2, D8, P65.

| Estud   | $x_i$ | $f_i$ | $F_i$ |
|---------|-------|-------|-------|
| 10 - 19 | 14.5  | 5     | 5     |
| 19 - 28 | 23.5  | 11    | 16    |
| 28 - 37 | 32.5  | 8     | 24    |
| 37 - 46 | 41.5  | 5     | 29    |
| 46 - 55 | 50.5  | 8     | 37    |
| 55 - 64 | 59.5  | 6     | 43    |
| 64 - 73 | 68.5  | 7     | 50    |

$$Q = \frac{2 \times 50}{4}$$

$$28 + \frac{32.5 - 16 \cdot 9}{8}$$

10 - 19

14.5

5

5

$$28 + \frac{16.5 \cdot 9}{8}$$

19 - 28

23.5

11

16

$$Q = 25 //$$

28 - 37

32.5

8

24

$$28 + \frac{148.5}{8}$$

37 - 46

41.5

5

29

$$28 + 18.5$$

46 - 55

50.5

8

37

$$Q = 46.5 //$$

55 - 64

59.5

6

43

64 - 73

68.5

7

50

$$P = \frac{65 \times 50}{100} = 32.5 //$$

$$D = \frac{8 \times 50}{10} = 40 //$$

$$D = 37 + \frac{41.5 - 24 \cdot 9}{5}$$

$$P = 28 + \frac{32.5 - 16 \cdot 9}{8}$$

$$D = 37 + \frac{17.5 \cdot 9}{5}$$

$$P = 28 + \frac{16.5 \cdot 9}{8}$$

$$D = 37 + \frac{157.5}{5}$$

$$P = 28 + \frac{148.5}{8}$$

$$D = 37 + 31.5$$

$$P = 28 + 18.5$$

$$D = 68.5 //$$

$$P = 46.5 //$$

