

Posición

$f_i - 1 = 29 \quad L_i = 65$

$f_i = 35 \quad A = 10$

$Q_3 = kn = \frac{3.44}{4} = 33$

$Q_3 = 65 + 10 \left(\frac{33 - 29}{35 - 29} \right)$

$Q_3 = 65 + 10 \left(\frac{4}{6} \right)$

$Q_3 = 65 + 6.66$

$Q_3 = 71.66$

$D_2 = \frac{kn}{10} = \frac{2.44}{10} = 8.8$

$f_p - 1 = 0 \quad L_p = 15$

$D_2 = 15 + 10 \left(\frac{8.8 - 0}{10 - 0} \right)$

$D_2 = 15 + 10 \left(\frac{8.8}{10} \right)$

$D_2 = 15 + 8.8$

$D_2 = 23.8$

$D_6 = \frac{kn}{10} = \frac{6.44}{10} = 26.4$

$f_i - 1 = 26 \quad L_i = 55$

$f_i = 29 \quad A = 10$

$D_6 = 55 + 10 \left(\frac{26.4 - 26}{29 - 26} \right)$

$D_6 = 55 + 10 \left(\frac{0.4}{3} \right)$

$D_6 = 55 + 1.33$

$D_6 = 56.33$

$D_4 = \frac{kn}{10} = \frac{4.44}{10} = 17.6$

$f_i - 1 = 13 \quad L_i = 35$

$f_i = 19 \quad A = 10$

$D_4 = 35 + 10 \left(\frac{17.6 - 13}{19 - 13} \right)$

$D_4 = 35 + 10 \left(\frac{4.6}{6} \right)$

$D_4 = 42.66$

$D_8 = \frac{kn}{10} = \frac{8.44}{10} = 35.2$

$f_i - 1 = 35 \quad L_i = 75$

$f_i = 44 \quad A = 10$

$D_8 = 75 + 10 \left(\frac{35.2 - 35}{44 - 35} \right)$

$D_8 = 75 + 10 \left(\frac{0.2}{9} \right)$

$D_8 = 75 + 0.22$

$D_8 = 75.22$

Diego

$$P_{35} = kn = \frac{35 - 144}{100} = 15.4$$

$$f_1 - 1 = 13 \quad L_i = 35$$

$$f_p = 19 \quad A = 10$$

$$P_{35} + 10 \left(\frac{15.4 - 13}{19 - 13} \right)$$

$$P_{35} = 35 + 10 \left(\frac{2.4}{6} \right)$$

$$P_{35} = 35 + 4$$

$$P_{35} = 39$$

$$P_{66} = \frac{66.44}{100} = 29.04$$

$$f_H = 29 \quad L_j = 65$$

$$f_p = 35 \quad A = 10$$

$$P_{66} = 65 + 10 \left(\frac{29.04 - 29}{35 - 29} \right)$$

$$P_{66} = 65 + 10 \left(\frac{0.04}{6} \right)$$

$$P_{66} = 65 + 0.666$$

$$P_{66} = 65.666$$

$$P_{41} = 41 = \frac{41.44}{100} = 18.04$$

$$P_{41} = 35 + 10 \left(\frac{18.04 - 13}{6} \right)$$

$$P_{41} = 35 + 10 \left(\frac{5.04}{6} \right)$$

$$P_{41} = 35 + 8.4$$

$$P_{41} = 43.4 \quad \#$$

$$D6 = \frac{K_n}{10} = \frac{6.44}{10} = 264$$

$$f_i - 1 = 26 \quad L_i = 55$$

$$f_i = 29 \quad A = 10$$

$$D6 = 55 + 10 \left(\frac{264 - 26}{29 - 26} \right)$$

$$D6 = 55 + 10 \left(\frac{0.4}{3} \right)$$

$$D6 = 55 + 1.33$$

$$D6 = 56.33 //$$

$$P5 = \frac{K_n}{100} = \frac{5.44}{100} = 22$$

$$f_i - 1 = 0 \quad L_i = 15$$

$$f_i = 10 \quad A = 10$$

$$P5 = 15 + 10 \left(\frac{22 - 0}{10 - 0} \right)$$

$$P5 = 15 + 10 \left(\frac{22}{10} \right)$$

$$P5 = 15 + 22$$

$$P5 = 37 //$$

$$D8 = \frac{K_n}{10} = \frac{8.44}{10} = 35.2$$

$$f_i - 1 = 35 \quad L_i = 75$$

$$f_i = 44 \quad A = 10$$

$$D8 = 75 + 10 \left(\frac{35.2 - 35}{44 - 35} \right)$$

$$D8 = 75 + 10 \left(\frac{0.2}{9} \right)$$

$$D8 = 75 + 0.22$$

$$D8 = 75.22$$

$$P22 = \frac{K_n}{100} = \frac{22.44}{100} = 9.68$$

$$f_i - 1 = 0 \quad L_i = 15$$

$$f_i = 10 \quad A = 0$$

$$P22 = 15 + 10 \left(\frac{9.68 - 0}{10 - 0} \right)$$

$$P22 = 15 + 9.68$$

$$P22 = 24.68 //$$



EXAMEN
SUBDIRECCION ACADEMICA

SAC-FOR-19-2

Tipo: Formato

Disposición: Interno

Emisión

Revisión

Emitido: Dirección Académica

Aprobado: Dirección General

05/08/2016

Nombre del alumno (a) Diego Ignacio Cristiani Ramos

Sello de autorización

| | | | | |
|---------------------|---|--------------------|---------|----------------|
| Profesor | Ing. Jorge Enrique Albores Aguilar | Parcial | Segunda | |
| Carrera | Lic. En estrategias de negocios /cuatrimestre | Semestre 3 ero | Fecha | |
| Materia | Estadista descriptiva | Grupo escolarizado | | |
| Total de Preguntas: | | | | Calificación : |

Instrucciones: De una manera ordenada y con los procedimientos bien claros realice los siguientes cálculos:

Cuartiles 1,2,3

Deciles 2, 4, 6, 8

Percentiles 5, 22, 35, 41, 66

| Intervalo | fi | Fi |
|-----------|----|----|
| 15-25 | 10 | 10 |
| 25-35 | 3 | 13 |
| 35-45 | 6 | 19 |
| 45-55 | 7 | 26 |
| 55-65 | 3 | 29 |
| 65-75 | 6 | 35 |
| 75-85 | 9 | 44 |

$$Q_1 = 25 + 10 \left(\frac{11-10}{13-10} \right)$$

$$Q_2 = \text{posición } \frac{kn}{4} = \frac{2 \cdot 44}{4} = 22$$

$$Q_1 = 25 + 10 \left(\frac{1}{3} \right)$$

$$f_H = 19$$

$$Q_2 = 45 + 10 \left(\frac{22-19}{26-19} \right)$$

$$Q_1 = 25 + 3.33$$

$$f_1 = 26$$

$$Q_2 = 45 + 10 \left(\frac{3}{7} \right)$$

$$Q_1 = 28.33$$

$$L_i = 45$$

$$Q_2 = 45 + 4.2857$$

$$A = 10$$

$$Q_2 = 49.2857$$