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**Nombre del trabajo: Actividad 1 -
Ejercicio**

Materia: Estadística

Grado: 2do Cuatrimestre

Grupo: LAN02EMC0120-A

Comitán de Domínguez Chiapas a 29 de Enero de 2020.

| X | Frecuencia absoluta (fi) | Frecuencia acumulada (Fi) | fr-fi/N | Frec. relativa acumulada (Fr) | 100-fr*100 | Frecuencia % Acumulada (P%) | G-fr*360 | Grados Acumulados |
|-------|--------------------------|---------------------------|--------------------------|-------------------------------|-------------------|-----------------------------|----------|-------------------|
| | | | Frecuencia relativa (fr) | | Frecuencia % (F%) | | Grados | |
| 1 | 5 | 5 | 0.125 | 0.125 | 12.5 | 12.5 | 45 | 45 |
| 2 | 7 | 12 | 0.175 | 0.3 | 17.5 | 30 | 63 | 108 |
| 3 | 9 | 21 | 0.225 | 0.525 | 22.5 | 52.5 | 81 | 189 |
| 4 | 6 | 27 | 0.15 | 0.675 | 15 | 67.5 | 54 | 243 |
| 5 | 7 | 34 | 0.175 | 0.85 | 17.5 | 85 | 63 | 306 |
| 6 | 6 | 40 | 0.15 | 1 | 15 | 100 | 54 | 360 |
| Total | | N | 1 | | 100 | | 360 | |

N- Población

| Formulas | | | |
|--|---|---|-----|
| Media | Mediana | Moda | |
| $X = \sum xi \cdot fi + xh \cdot fh / N$ | | $Md = (N+1)/2$ | N/A |
| No Agrupados | $X = (1 \cdot 5) + (2 \cdot 7) + (3 \cdot 9) + (4 \cdot 6) + (5 \cdot 7) + (6 \cdot 6) / 40$ $X = (5 + 14 + 27 + 24 + 35 + 36) / 40$ $X = 141 / 40$ X=3.525 | $Md = (40+1)/2$ $Md = (41)/2$ $Md = (41)/2$ Md=20.5 | 9 |

| x | Fecuencia Absoluta | Frecuencia acumulada | Frecuencia relativa | Frec. Relativa Acumulada | Frecuencia % | Frecuencia Acumulada % | Grados | Grados Acumulados |
|----|--------------------|----------------------|---------------------|--------------------------|--------------|------------------------|--------|-------------------|
| 52 | 1 | 1 | 0.0125 | 0.0125 | 1.25 | 1.25 | 4.5 | 4.5 |
| 54 | 1 | 2 | 0.0125 | 0.025 | 1.25 | 2.5 | 4.5 | 9 |
| 56 | 2 | 4 | 0.025 | 0.05 | 2.5 | 5 | 9 | 18 |
| 57 | 2 | 6 | 0.025 | 0.075 | 2.5 | 7.5 | 9 | 27 |
| 58 | 2 | 8 | 0.025 | 0.1 | 2.5 | 10 | 9 | 36 |
| 59 | 2 | 10 | 0.025 | 0.125 | 2.5 | 12.5 | 9 | 45 |
| 60 | 1 | 11 | 0.0125 | 0.1375 | 1.25 | 13.75 | 4.5 | 49.5 |
| 61 | 4 | 15 | 0.05 | 0.1875 | 5 | 18.75 | 18 | 67.5 |
| 62 | 4 | 19 | 0.05 | 0.2375 | 5 | 23.75 | 18 | 85.5 |
| 63 | 4 | 23 | 0.05 | 0.2875 | 5 | 28.75 | 18 | 103.5 |
| 64 | 4 | 27 | 0.05 | 0.3375 | 5 | 33.75 | 18 | 121.5 |
| 65 | 4 | 31 | 0.05 | 0.3875 | 5 | 38.75 | 18 | 139.5 |
| 66 | 7 | 38 | 0.0875 | 0.475 | 8.75 | 47.5 | 31.5 | 171 |
| 67 | 9 | 47 | 0.1125 | 0.5875 | 11.25 | 58.75 | 40.5 | 211.5 |
| 68 | 5 | 52 | 0.0625 | 0.65 | 6.25 | 65 | 22.5 | 234 |
| 69 | 5 | 57 | 0.0625 | 0.7125 | 6.25 | 71.25 | 22.5 | 256.5 |
| 70 | 4 | 61 | 0.05 | 0.7625 | 5 | 76.25 | 18 | 274.5 |
| 71 | 4 | 65 | 0.05 | 0.8125 | 5 | 81.25 | 18 | 292.5 |
| 72 | 2 | 67 | 0.025 | 0.8375 | 2.5 | 83.75 | 9 | 301.5 |
| 73 | 2 | 69 | 0.025 | 0.8625 | 2.5 | 86.25 | 9 | 310.5 |
| 74 | 2 | 71 | 0.025 | 0.8875 | 2.5 | 88.75 | 9 | 319.5 |
| 75 | 2 | 73 | 0.025 | 0.9125 | 2.5 | 91.25 | 9 | 328.5 |
| 76 | 2 | 75 | 0.025 | 0.9375 | 2.5 | 93.75 | 9 | 337.5 |
| 77 | 1 | 76 | 0.0125 | 0.95 | 1.25 | 95 | 4.5 | 342 |
| 78 | 1 | 77 | 0.0125 | 0.9625 | 1.25 | 96.25 | 4.5 | 346.5 |
| 79 | 1 | 78 | 0.0125 | 0.975 | 1.25 | 97.5 | 4.5 | 351 |
| 80 | 1 | 79 | 0.0125 | 0.9875 | 1.25 | 98.75 | 4.5 | 355.5 |
| 81 | 1 | 80 | 0.0125 | 1 | 1.25 | 100 | 4.5 | 360 |