|  |  |  |
| --- | --- | --- |
|  | **Guía de Datos y Azar N° 3****3° y 4° Medio** **Estadística y Probabilidades** |  2021 |
| *Liceo Elvira Sánchez de Garcés*  | *Departamento de Matemática* | Pág. 1 de 1 |

 ***Prof.*** *Isaías Correa M.*

***Objetivo:*** Determinar R, X, Mo, Md, Varianza, CV, Histograma y polígono de frecuencias.

1) Determine R, X, Mo, Md, S, Varianza, CV, Histograma y polígono de frecuencias.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  x |  10 |  12 | 14 | 16 | 18 | 20 |
| f | 1 |  5  | 8 | 7 | 4 | 1 |

2) Ordénelos en una tabla con 6 clases y luego determinar R, X, Mo, Md, S, Varianza, CV, Histograma y polígono de frecuencias.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 412 | 615 | 518 | 421 | 417 | 516 | 611 |
| 620 | 718 | 517 | 314 | 414 | 512 | 519 |
| 623 | 324 | 416 | 715 | 413 | 512 | 517 |
| 821 | 322 | 420 | 310 | 625 | 716 | 517 |
| 421 | 520 | 512 | 617 | 615 | 515 | 422 |
| 426 | 319 | 415 | 719 | 615 | 614 | 609 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Clase | Intervalo | Yi | fi | F | Yifi | (Yi-x)2 | fi (Yi-x)2 |  |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |

