

UDS

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MATERIA: BIOESTADISTICA

GRADO: 4 CUATRIMESTRE

GRUPO ENFERMERIA

Intervalos	F_i	F_r	F_p	FPA	M_i	$F_i M_i$	$M_i - \bar{x}$	$(M_i - \bar{x})^2$	$F_i (M_i - \bar{x})^2$
200-1732	13	0.325	32.5	32.5	966	12558	3027.93	9168360.08	119188681.1
1733-3265	7	0.175	17.5	50	2499	17493	1494.93	22348115.70	15643709.93
3266-4798	4	0.1	10	60	4032	16128	8807	1449.32	5797.29
4799-6331	7	0.175	17.5	77.5	5565	38955	1571.07	2468260.94	17277826.61
6332-7864	2	0.05	5	82.5	2098	12196	3104.07	9635250.96	19270501.12
7865-9400	7	0.175	17.5	100	8632.5	60427.5	4638.57	21516331.64	150614321.51
TOTAL	40	1	100			159757.5			322000.837.6

$$k = 1 + 3.322 \log$$

$$k = 1 + 3.322 \log 40$$

$$k = 6.32 = 6$$

$$w = \frac{R}{k}$$

$$w = \frac{9200}{6} = 1533.33$$

$$w = 1533 - 1 = 1532$$

$$R = 9400 - 200$$

$$R = 9200$$

$$\bar{x} = \frac{\sum F_i M_i}{n}$$

$$\bar{x} = \frac{159757.5}{40}$$

$$\bar{x} = 3993.93$$

$$s^2 = \sum F_i (M_i - \bar{x})^2$$

$$s^2 = \frac{322,000.837.6}{40 - 1}$$

$$s^2 = \frac{322000.837.6}{39}$$

$$s = 8256431.73$$

$$s = \sqrt{s^2}$$

$$s = \sqrt{8256431.73}$$

$$s = 2873.40$$

$$C.V. = \frac{s}{\bar{x}} \times 100$$

$$C.V. = \frac{2873.40}{3993.93} \times 100$$

$$C.V. = 71.944$$