18 September 2024 13:18

Trimmed Hear: XX, x, x, (22, 22, 23, 25, 25, 27, 23, 34, 37, 38, 41, 44, 45, 47, 48), 65, 87, 55, 128, 119 Men = 40.16 It is given by 1. factor. 2011. Primming

Jan x 25-5

5-5

After trining consider the values that are not hidden on both sides. This becomes

you new in.

-> Primmed Mean = 34.066

-> If I values from each end me trimming, what will be the values after the process.

3 x 100 - 12 powent

-> Histogram:

Test Searce: 74, 83, 65, 95, 78, 85, 42, 98, 73, 68, 50, 85, 85, 84, 71, 88, 52, 94

41-1e 40-45 50-57 60-67 70-79 80-83 50-60 511 (1)

Right Skewed Dist -s Continuous lendon Visible: -> Weight of a scrop of individuals -> Height -> Probability Devity Function (10F) A function f(n) is PDF if i) f(1) = 0 : - 0 < 12 < 00 i) | f(1) die = 1 Eq: If is a CRV W/ PDF $f(x) = \begin{cases} \alpha(2x-x^2) & 0 < x < 2 \\ 0 & \text{otherwise} \end{cases}$

find
$$i \times i$$
) $P(x>1)$

-> $\int_{-\infty}^{\infty} f(x) dx = I$

-> $\int_{-\infty}^{\infty} f(x) dx + \int_{-\infty}^{\infty} f(x) dx = I$

-> $\int_{-\infty}^{\infty} dx (2x-x^{2}) dx = I$
 $\int_{-\infty}^{\infty} dx (2x-x^{2}) dx = I$
 $\int_{-\infty}^{\infty} dx (2x-x^{2}) dx = I$
 $\int_{-\infty}^{\infty} dx (2x-x^{2}) dx$

ii) $P(x>1) = \int_{-\infty}^{\infty} f(x) dx$
 $\int_{-\infty}^{\infty} dx (2x-x^{2}) dx$
 $\int_{-\infty}^{\infty} dx (2x-x^{2}) dx$

$$= \int_{1}^{3} \frac{3}{4} \left(2 - \frac{1}{2} \right) dx$$

$$= \frac{3}{4} \left(\frac{1}{2} - \frac{1}{3} \right) \Big|_{1}^{2}$$

$$= \frac{3}{4} \left(4 - 1 \right) - \left(\frac{8}{6} - \frac{1}{6} \right) \Big|_{2}^{2}$$

$$= \frac{3}{4} \left(3 - \frac{7}{3} \right) = \left(\frac{3}{4} \right) \left(\frac{1}{6} \right)$$

$$= \frac{1}{2} \approx 50/$$

$$2k\left(\frac{27}{3}\right) = 1$$

$$18k = 1$$

$$= \frac{1}{18} \left(\frac{1}{3}\right)^{\frac{1}{2}}$$

$$= \frac{1}{18} \left(\frac{8}{3} - \frac{1}{3}\right)^{\frac{1}{2}}$$

$$= \frac{1}{18} \left(\frac{8}{3} - \frac{1}{3}\right)^{\frac{1}{2}}$$

$$= \frac{1}{18} \left(\frac{7}{3}\right)^{\frac{1}{2}}$$

$$= \frac{1}{18} \left(\frac{7}{3}\right)^{\frac{1}{2}}$$

$$= \frac{1}{18} \left(\frac{2}{3}\right)^{\frac{1}{2}}$$

$$= \frac{1}{18} \left(\frac{2}{3}\right)^{\frac{1}{2}}$$

$$= \frac{1}{18} \left(\frac{2}{3}\right)^{\frac{1}{2}}$$

$$= \frac{1}{18} \left(\frac{8}{3} - \frac{27}{3} \right) = \frac{1}{18} \left(\frac{8}{3} + \frac{27}{3} \right)$$

$$= \frac{1}{18} \left(\frac{35}{3} \right) = \frac{35}{51}$$

$$= \frac{1}{18} \left(\frac{35}{3} \right) = \frac{35}{51}$$

$$= \frac{1}{18} \left(\frac{35}{3} \right) = \frac{1}{18} \left(\frac{27}{3} - \frac{1}{3} \right)$$

$$= \frac{27}{54} \times \frac{35}{27}$$