Shecieness

For a system segmetrical distribution the frequencies are symmetrically distributed about the mean. In this distribution, mean, made and median coincides.

ie, M = Mo = Md, M = Mean Mo = MadeMd = Re Median.

Showners means lack of symmetry. Showners indicates wheather the curve to are riche them to it turned more to are riche them to other is wheather the curve has a other is wheather the curve has a henger tail an are side. I he longer tail showners is + we if the longer tail of the distribution hies towards the right and regation if it hies towards the hight

symmetric

(possiteire skewners)

(negative shewners.

Measures of sklainers:
Bourley's co-efficient of rheuners
leaved an Quartile and is defined as,
A CONTRACTOR OF THE PROPERTY O
C - (33 T 0) - 2 11 q
N - 0 3 - 0 1
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Il Kard Peargon's co-efficient of rhemens
is defined as,
Ma de
Su = Mean - Made Standard deviation
Standard services
EM-Mo-Mo-
3(M-Md) [Made=3 Median
= 3(M-Md) [Made=3 Median -2 Mean
ll à crient of
The natures of Bourley's co-efficient of
Sheuner lies leitaien - 1 and 1
Kaul Peausans co-efficient of sleuners lies
hituern -3 and 3.

Ex:> Find out the co-efficient of sheuners and draw the curie of distribution from the following table giving the mages of 230 No of persons Cilages 70-80 80 -90 90 -100 110 -120 120-130 10/10/20/ 130-140 1 - 11.01.1. X 140-150

			Maria		he the content of	
wages	this value	No of purian	C.F (C)	$U = \frac{21-105}{10}$	fu	fur.
70-80	75	12	12	-3	-36	108
80 -90	85	18	30	-2	-36	7-2
90-100	95	35	G 5	-1	-35	35
100-110	105	42	107	0	of con	0.
110-120	115	50	157	1	50	50
120-13	0 125	45	202 1	2	90	180
130-146	135	20	222	3	60	180
140 -150	145	8	230	4	32	128
		N=230	in the		Zfu=125	Z:44V = 753

Marie Land Marie M

Mean = a + h \(\sum_{N}\) fy

$$= 105 + 10X \frac{125}{230}$$

Hou, highest frequency is 50 and so madel class is 110-120

$$f_{m} = 30$$
, $f_{m} = 30$, $f_{1} = 42$, $f_{2} = 45$, $f_{3} = 40$

. Made,
$$M_0 = l + \frac{fm - f_1}{2fm - f_1 - f_2} \times R$$

Standard deriation,

$$N = \begin{cases} 1 \\ \sqrt{N} \\ \sum fu'' - (\frac{1}{N} \sum fu)^{N} \end{cases}$$

$$=10 \times \sqrt{\frac{753}{230}} - \frac{125}{230}$$

"Meanieres of sheeners," SK= M-MO K= 1000 01.16 200 100 - 12. 1. 1.3 110.4-116.2 114 le , 117 36 p lon - 1 26 Honce, the thewness is negative. . The figure of distribution is, A Restant Committee of the State of the Stat March 1