I Correlation co-efficient for himminte frequency

If the livariate data on Randy is given on a tree way correlation table and f is the frequency of a particular rectangle in the correlation table,

9xy = \( \sum \frac{1}{2} \fra

In this case also, if we change the scale and origin, then,

 $H_{xy} = H_{uv} = \frac{\sum_{i}^{n} f_{uv} - \frac{1}{m} \sum_{i}^{n} f_{u} \sum_{j}^{n} f_{v}}{\sqrt{\left[\sum_{i}^{n} f_{v}^{v} - \frac{1}{m} \left(\sum_{i}^{n} f_{v}^{v}\right)^{n}\right]}}$ 

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EX'> Find the co-efficient of runk convelation fæg the following frequency distribution.

X	10-25	25-40	40-55	
0-20	10	4	6	
20-40	5	40	9	
	2	8	15	
	20 -40	X Y 10 - 25 0 - 20	0-20 10 4	20-40 5 40 9

Sel ble make the following table.

Here, metale, na m= 10, v= 4-32.5

Midwhu $17.5$ $25-40$ $40-56$ Midwhu $17.5$ $32.5$ $47.6$ 2 Midwhu $17.5$ $10$ $10$ $10$ $10$ $10$ $10$ $10$ $10$
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Ty 10+5+3 4+40+8 6+9+15 NE Zfu Zfu Zfu Zfu
= 50 = 6 = 41 -11
fre -18 0 21+10 1 + - = = =========================
$f_{v} = \frac{12}{18}$ $0 \qquad 30 \qquad \sum_{i=48}^{i=12} f_{v}$
$0 = \frac{10+0-3}{0} = \frac{0+0+0}{0} = \frac{1-0+0}{0} = \frac{1}{0}$
+ure = 7 = 0 = 9 = 16

Lile must have 
$$\sum fu = \sum fv = \sum fv = \sum fv = \sum fv = \sum fu = \sum fv =$$