Pinky Rani Assistant Professor (Guest Faculty) Department of Economics Maharaja College Veer Kunwar Singh University, Ara Class: B.A. Economics (Part-3) Paper: 07 Topic- Coefficient of Correlation by Direct method

X-Geries 17 18 19	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} 19 & 20 \\ 5 & 11 & 15 \\ \hline & Y \\ \hline \hline \hline & Y \\ \hline \hline \hline & Y \\ \hline \hline \hline \hline & Y \\ \hline \hline$	$\begin{array}{c c} 20 & 21 \\ \hline 19 & 22 \\ \hline - & \text{Jeries} \\ \hline \\ $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Ex=200	$zdx=0$ $zdx^2=30$	Ey=160 2	Edy=0 Edy	2=108 Educaly = 37
5	$\vec{X} = \frac{\sum \vec{x}}{N} = \frac{200}{10}$ $\vec{S} = \sqrt{\frac{\sum dx^2}{N}} = \frac{\sqrt{\sum dx^2}}{N} = \frac{160}{10}$ $\vec{Y} = \frac{\sum y}{N} = \frac{160}{10}$	$= 20$ $\sqrt{\frac{30}{10}} =$		

$$\delta y = \int \frac{z \, dy^2}{N} = \int \frac{108}{10} = \int 10^{\circ}8 = 3.28$$

$$\dot{r} = \frac{z \, dx \, dy}{N^{\circ} \, dx \cdot \delta y} = \frac{3.7}{10 \times 1.73 \times 3.28} = \frac{3.7}{56.744} = \frac{0.652}{0.652}$$

Markenate degree
of correlations exist.