

Fit a straight line to the following data-
Sol: Let the straight line is y=a+bx-1. Normal equations are — Ey= \(\xi \alpha \) \(\xi \)
Ey= Sa+bEx - (11) 2y= Sa+bEx - (11) After multiplying both sides by x- Exy= aEx+bEx² - (11)
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Ex=10 Ey=16.9 Exy=47.1 Ex2=30. Here, n=5, Ex=10, Ey=16.9, Exy=47.1 and Ex2=30 Putting these values in normal eqns, we get-



