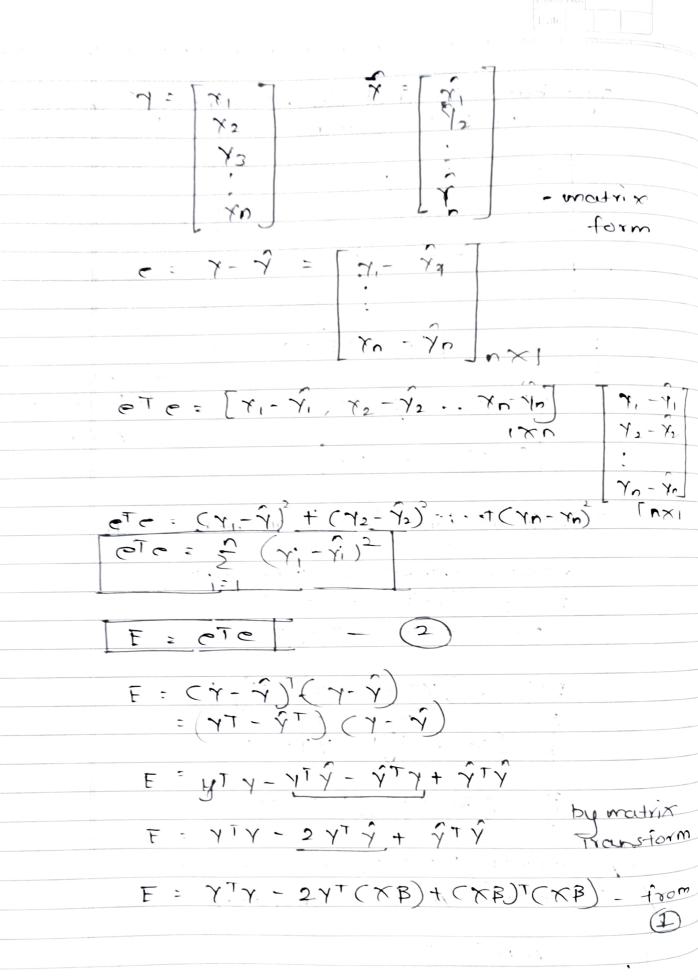
| | Muttiple Linear Regre | SSico (Page No.) (Date) | |
|---|--|-------------------------|--|
| | In muliple linear Regression-thère dre muliple input Columns. | | |
| | Derivation | , | |
| | 7 = B. + B. X 11 + B2 x 12 +. | | |
| | Yn = Bo + Bixn, + B2xn2 + | · pm Knm. | |
| | Mhere B.: is intercept | | |
| | P. + BIN11 + B2x | iz t of Britism. | |
| | Υ ₂ = . | , | |
| , | | | |
| | In Po + Pixn, + B2xn2+ + Pmxmm | | |
| | ₹ . | | |
| | 1 · K11 ×12 ×1m | P. 7 | |
| | | B, | |
| | | | |
| • | , Kolikus - Kum | Bm . | |
| | (n. r (mtl) | | |
| | | | |
| | ale Con represent it as. | | |
| | Y = KB - (I) | | |
| | | | |
| | Error function n (7) | - 7. | |
| | Execution D (1:1 | | |
| | | | |



| | Page No. |
|----|--|
| | ale have to final Such Malue of B mouting |
| | Slove = 0 |
| • | $\frac{dF}{dP} = 0. = 27TX + 2BTXTX = 0$ $\frac{dF}{dP} = \frac{2}{2}TXTX = \frac{2}{2}TX$ $\frac{2}{2}FTXTX = \frac{2}{2}TX$ |
| • | mutiping by (x7 x)-1 on both Sicte |
| | BIXIX (XIX)-1 = YIX (XIX)-1 PT = YIX (XIX)-1 PT = YIX (XIX)-1 |
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| 4 | A7A-1= I |
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For muliple linear Regression wing OLS Cordinary least Square).