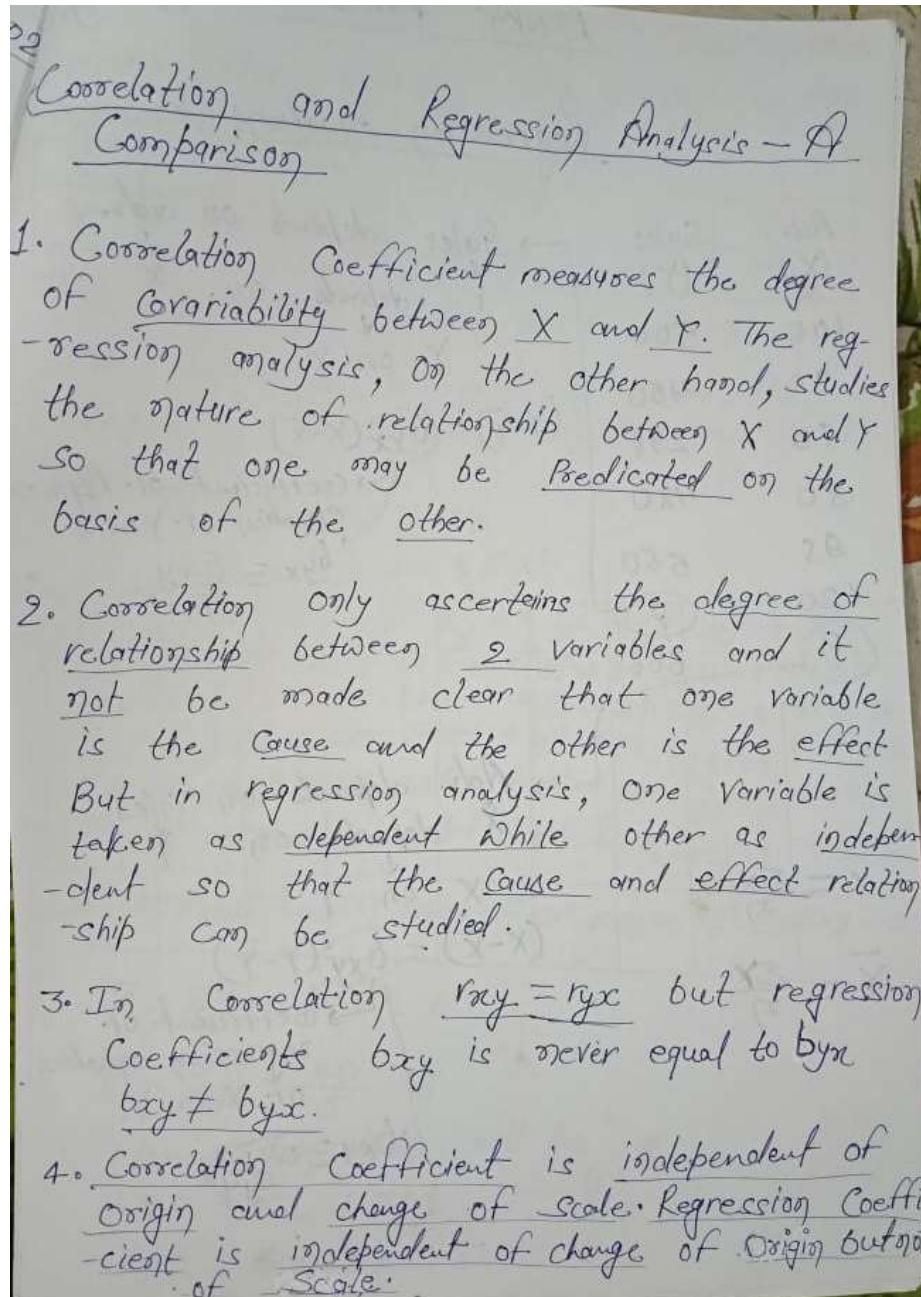


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* Properties of Regression Coefficients *

1. Both the regression coefficients will always have the same either +ve or -ve.
2. The value of regression coefficient also lie between -1 to +1.
3. The Correlation coefficient and the regression coefficient will bear the same sign either +ve or -ve.
4. Regression coefficients are independent of change of origin but not to scale.
5. The Correlation coefficient is the geometric mean between the regression coefficient.

$$r = \sqrt{b_{xy} \cdot b_{yx}}$$