

# Review of: "Decoding the Correlation Coefficient: A Window into Association, Fit, and Prediction in Linear Bivariate Relationships"

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Potential competing interests: No potential competing interests to declare.

In this paper the author is presenting a very basic argument for the analysis of relationship between the correlation coefficient  $r$  and the regression slope  $b$ , in a linear bivariate relationship  $Y = a + b \cdot X$ . The abstract seems to be very ambitious but the paper deals with a very basic issue of mathematical modelling. Instead of following a mathematically rigorous approach for this argument, he uses logical reasoning to defend his ideas. This, I feel is not correct. He should either justify his mathematical ideas with equations or validate it with the help of data.

I suggest that he should collect a real life data and put forward his ideas through the data. It should be complimented by the use of mathematical equations.