

Review of: "Statistical Overview of Prevalence of Anaemia with Associated Socioeconomic and Demographic Factors in Nigeria"

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Potential competing interests: No potential competing interests to declare.

Under Data Analysis and Results discussion. You may want to indicate instead that:

Chi-square test was used to evaluate the presence/absence of an association between the categorical predictor variables and anaemia status. Logistic regression was used to evaluate the degree of association between the predictor variables and the anaemia status in both univariable and multivariable models.

Also indicate why you chose logistic regression instead of Poisson, log binomial, ... and other possible analyses. Report the alpha, confidence interval.... There appears to be some stratification/clustering under region; why didn't you use hierarchical models or mixed effects models to cater for this?

Chi-square applies to categorical predictors; how did you handle continuous predictors for bivariate analysis?

How did you come up with the wealth index?

How did you assess the model fit - percentage correctly classified, or McFadden.... Did you check for autocorrelation or any interactions?