

Review of: "Could geographical features of green spaces influence physical exercise? Examining the roles of neighbourhood diversity and single status"

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Potential competing interests: No potential competing interests to declare.

In multiple regression analysis, handling nominal and ordinal variables involves encoding them as dummy variables.

Addressing multicollinearity in the main variables is essential. High multicollinearity among predictors can lead to unstable regression coefficients. To deal with this issue, one can employ techniques like variance inflation factor (VIF) analysis to identify and possibly remove highly correlated predictors.

When introducing interaction terms (moderator effects) in regression, mean centering can be beneficial. Mean centering involves subtracting the mean of the moderator variable from each data point. This process helps in interpreting the interaction term's coefficients more easily and reduces multicollinearity between the main effects and the interaction term.