

Response to Reviewer 1

Thank you. We have maintained the comprehensive overview while improving clarity and technical depth, particularly in explaining each regression type with practical examples.

The manuscript has been thoroughly reviewed for grammar, clarity, and punctuation. Several sentences were restructured for better readability and academic tone.

We appreciate this recognition and have enhanced each section further by adding brief applied examples relevant to preventive research.

Response to Reviewer 2

A new section titled “Assumptions, Pitfalls, and Diagnostic Considerations in Regression Analysis” has been added. It includes detailed discussions on multicollinearity, overfitting, homoscedasticity, residual analysis, and missing data.

The introduction has been revised to explicitly define the target audience as early-career clinicians, public health trainees, and graduate students with basic statistical literacy.

The entire manuscript was edited for improved grammar, sentence flow, and academic clarity. Language polishing tools and peer feedback were utilized to ensure quality.

Each regression type now includes: Key assumptions, Interpretation of coefficients, Practical use cases, Common pitfalls and how to address them, Diagnostic suggestions and remedies

These have been addressed with dedicated subsections under the assumptions and pitfalls section, along with illustrative examples, a sample VIF table, and a residual plot.

Clarified in both the abstract and introduction that the review is tailored for readers with introductory statistical background, aiming to bridge practical application and conceptual understanding.