

On Modeling Relative Risks for Longitudinal Binomial Responses: Implications from Two Dueling Paradigms

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Author Contributions:

Contributors All authors participated in the discussion of the statistical issues and worked together to develop this paper. HZ and XT suggested the topic, and TL, RZ, ST and HW reviewed the literature. All authors discussed the conceptual and analytic issues with modeling relative risks for longitudinal data using the parametric and semiparametric models.

RZ, ST and HW developed the simulation settings, algorithms and associated R codes and performed the simulation study under the direction of TL. TL, HZ and XT drafted the manuscript, while TL, RZ, ST and HW provided all the technical details and derivations, along with completing the Application Section. All authors worked together to finalize the manuscript.

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