ON THE ESTIMATION OF RELATIVE RISKS VIA LOG BINOMIAL REGRESSION

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- *ABSTRACT: Given the well known convergence difficulties in fitting log binomial regression with standard GLM software, we implement a direct solution via constrained optimization which avoids the circumventions found in the literature. The use of a log binomial model is motivated by our interest in directly estimating relative risks adjusted for confounders. A Bayesian log binomial regression model is also discussed for a dataset of epidemiological interest. We developed R functionality to illustrate our proposal.*
- *KEYWORDS: Log binomial regression; constrained maximum likelihood; quasilikelihood; relative risks.*

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