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# Asymptotic Properties of the Maximum Likelihood Estimate in Generalized Linear Models with Stochastic Regressors

丁洁丽(1), 陈希孺(2)

(1)湖北武汉大学数学与统计学院研究生260信箱 (2)玉泉路甲19# 科大研究生院

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摘要

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## Asymptotic Properties of the Maximum Likelihood Estimate in Generalized Linear Models with Stochastic Regressors

Jie Li DING(1), Xi Ru CHEN(2)

(1)School of Mathematics and Statistics, Wuhan University, Wuhan 430072, P. R. China; (2)Graduate School, Chinese Academy of Sciences, Beijing 100039, P. R. China

**Abstract** For generalized linear models (GLM), in case the regressors are stochastic and have different distributions, the asymptotic properties of the maximum likelihood estimate (MLE)  $\hat{\beta}_n$  of the parameters are studied. Under reasonable conditions, we prove the weak, strong consistency and asymptotic normality of  $\hat{\beta}_n$ .

**Key words** [Generalized linear models](#) [Consistency](#) [Asymptotic normality](#)

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通讯作者 丁洁丽 [jennieding@163.com](mailto:jennieding@163.com)

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