

论文

ASYMPTOTIC PROPERTIES OF MLE IN EXPONENTIAL FAMILY NONLINEAR MODELS

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摘要 In this paper, a necessary condition for the existence of any weakly consistent estimator is presented in exponential family nonlinear models. Then we give one more necessary condition for a consistent estimator in generalized linear models. Under mild regularity conditions, the existence, the strong consistency and the asymptotic normality of MLE are proved in exponential family nonlinear models. Our results may be regarded as a further work of [1] in generalized linear models.

关键词 [Exponential family nonlinear models, con](#)

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Key words [Exponential family nonlinear models](#) [consistency](#) [asymptotic normality](#) [maximum likelihood estimator](#)

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