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Properly recorded estimate and confidence regions obtained by an approximate covariance operator in a special nonlinear model. (English) Zbl 0845.62020

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Summary: The properly recorded standard deviation of the estimator and the properly recorded estimate are introduced. Bounds for the locally best linear unbiased estimator and estimate and also confidence regions for a linearly unbiasedly estimable linear functional of unknown parameters of the mean value are obtained in a special structure of nonlinear regression models. A sufficient condition for obtaining the properly recorded estimate in this model is also given.

MSC:

- 62F10 Point estimation
- 62J02 General nonlinear regression
- 62J05 Linear regression; mixed models
- 62F25 Parametric tolerance and confidence regions

Cited in 1 Document

Keywords:

bounds; variance depending on mean value parameters; properly recorded standard deviation; properly recorded estimate; locally best linear unbiased estimator; confidence regions; linearly unbiasedly estimable linear functional; mean value

Full Text: [EuDML](#)

References:

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