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A linear regression model using triangular fuzzy number coefficients. (English) Zbl 0931.62055
Fuzzy Sets Syst. 106, No. 2, 167-177 (1999).

Summary: Fuzzy regression analysis using fuzzy linear models with symmetric triangular fuzzy number coefficients has been formulated earlier. The goal of this regression is to find the coefficients of a proposed model for all given input-output data sets. In this paper, we extend the results of a fuzzy linear regression model that uses symmetric triangular coefficients to one with non-symmetric fuzzy triangular coefficients. This work eradicates the inflexibility of existing fuzzy linear regression models.

MSC:

[62J05](#) Linear regression; mixed models

[62J99](#) Linear inference, regression

Cited in **21** Documents

Keywords:

[fuzzy regression analysis](#); [fuzzy triangular coefficient](#); [non-symmetric coefficient](#); [minimization of fuzziness](#)

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