A NEW APPROCH FOR FUZZY LINEAR REGRESSION ANALYSIS USING COMPUTER APPLICATIONS

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Abstract

The goal of this paper is to construct a fuzzy linear regression lines for the given data which involves fuzzy numbers. We design an efficient non iterative algorithm to deal with fuzzy linear regression analysis. We also illustrate the feasibility and the viability of our algorithm by numerical example.

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Key Words: Fuzzy numbers, Fuzzy linear regressions.