

Stability of parameter estimation of fuzzy variables

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Abstract

Recently, the parameter estimations for normal fuzzy variables in Nahmias' sense was studied by Cai[Fuzzy Sets and Systems 55(1993) 179-185] and for general T-related not necessarily normal fuzzy variables by Hong[Fuzzy Sets and Systems 123(2001) 63-71]. In this paper, some properties of estimators would appear to be desirable, including unbiasedness. We also considered asymptotic or "large-sample" properties of a particular type of estimator.

Keyword: Fuzzy variables, parameter estimation, consistency, MSE, stability of estimation.