

عنوان مقاله:

INFORMATION COVARIANCE MATRICES FOR MULTIVARIATE BURR III AND LOGISTIC DISTRIBUTIONS

محل انتشار:

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نویسندگان:

GH. Yari - is with the Department of Mathematics, Iran University of Science and Technology, Narmak, Tehran ۱۶۸۴۶, Iran

A.M. Djafari - is with the Laboratoire des Signaux et Systemes (CNRS, SUPELEC, Ups). Supelec, Plateau de Moulon, ۳ rue Joliot-Curie, ۹۱۱۹۲ Gif-sur-Yvette, France

خلاصه مقاله:

Main result of this paper is to derive the exact analytical expressions of information and covariance matrices for multivariate Burr III and logistic distributions. These distributions arise as tractable parametric models in price and income distributions , reliability, economics, Human population, some biological organisms to model agricultural population data and survival data. We showed that all the calculations can be obtained from one main moment multi dimensional integral whose expression is obtained through some particular change of variables. Indeed, we consider .that this calculus technique for improper integral has its own importance

کلمات کلیدی:

Gamma and beta functions, polygamma functions; Information and covariance matrices; multivariate Burr III and Logistic models

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