

НАЦИОНАЛЕН СЕМИНАР ПО СТОХАСТИКА

секция „Изследване на операциите, вероятности и статистика“

Поредната сбирка на *Националния семинар по стохастика* ще се проведе на **29 април 2026 г.** (сряда) от **14:00** часа в зала **503** на ИМИ-БАН. Доклад на тема:

"Progressively Type-II censored competing risks data from Odd Lindley Half-Logistic distribution"

ще изнесе **Stevo Gjorgiev** (Ss. Cyril and Methodius University in Skopje).

Abstract: A competing risks model based on the Odd Lindley Half Logistic distribution is considered under progressive Type II censoring. Maximum likelihood estimates for the distribution parameters are obtained, and the existence and uniqueness of these estimates are proven. The EM algorithm is applied to solve the log-likelihood equations and construct the s-th EM sequence. Additionally, using the missing information principle, the observed and expected Fisher information matrices are derived, and asymptotic confidence intervals for the parameters are computed based on them.

Keywords: competing risks, progressive censoring, OLiHL distribution, EM algorithm, asymptotic confidence intervals, observed Fisher information matrix

Поканват се всички интересуващи се.