



國立高雄大學統計學研究所 巨量資料研究中心 聯合演講

Leveraging External Aggregate Data for Survival Analysis under Population Heterogeneity

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時間 | 2026年5月6日(星期三)下午3:30-4:30

地點 | 統計所多媒體教室(理學院 320室)

茶會 | 下午3:00 於統計所辦公室(理學院 325室)

摘要

In small-scale survival studies, leveraging external aggregate data can substantially improve efficiency and prediction. However, existing methods often neglect uncertainty in such data or fail to account for population heterogeneity. We propose an empirical likelihood-based approach that incorporates external survival information while addressing both uncertainty and heterogeneity through a density ratio model. The resulting estimator is consistent, asymptotically normal, and more efficient than conventional methods. Simulation studies demonstrate improved performance across a variety of scenarios, and the method is illustrated with a pancreatic cancer study.

近期演講內容: <https://statsite.nuk.edu.tw/>

高大交通資訊: <https://statsite.nuk.edu.tw/p/412-1037-5044.php?Lang=zh-tw>



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