



國立高雄大學統計學研究所 巨量資料研究中心 聯合演講

Semiparametric Estimation of the Transformation Model by Leveraging External Aggregate Data in the Presence of Population Heterogeneity

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時間 | 2024年3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 this talk, we will introduce the leveraging information in aggregate data from external sources to improve estimation efficiency. We proposed an empirical likelihood-based framework to improve the estimation of the semiparametric transformation models by incorporating information about the t -year subgroup survival probability from external sources. The proposed estimation procedure incorporates an additional likelihood component to account for uncertainty in the external information and employs a density ratio model to characterize population heterogeneity. Next, the simulation studies and large sample properties will be presented. The results indicate that the proposed method is more efficient. Finally, the proposed method is applied to a pancreatic cancer dataset.

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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