統計科學研究所
INSTITUTE OF
STATISTICAL SCIENCE

Seminar

Title：A weighted global measure of intergenerational upward mobility without discretizing income distributions

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Time：10:30 AM~12:00 PM, Monday, Aug 29, 2022

Place：Auditorium, B1F, Institute of Statistical Science

Abstract

Measuring intergenerational upward mobility of income is crucial, yet the existing rela-tive approaches can only reflect local mobility and suffer from discretization errors. In this paper, we propose a new global measure that can summarize all positive move-ments in the relative income positions of parents and children, a desirable feature not available in transition probability and directional rank mobility (Bhattacharya and Ma-zumder, 2011). Our approach first modifies the latter by conditioning on a single paren-tal income rank rather than an interval to avoid arbitrary discretization of income distri-butions. We then integrate over the parents' rank and the extent of movement of their offspring to obtain a weighted summary measure where more weight is placed on those with greater upward mobility. Similar treatments of downward mobility and absolute mobility are also provided. For estimation and inference, we propose a semiparametric distribution regression-based estimator and establish its asymptotic properties and boot-strap validity. Monte Carlo simulations and an empirical application illustrate the use of the proposed methods.

※ **Lecture in Mandarin. Online live streaming through Cisco Webex will be available.**

※ **The tea reception will be held at 10:10.**