SEMINAR

DEPARTMENT OF STATISTICS
THE CHINESE UNIVERSITY OF HONG KONG

Testing Instrumental Variable Validity with High-Dimensional Data and Heteroskedasticity

INVITED SPEAKERS

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TIME

January 26, 2022 (Wednesday) · 2:00 pm - 3:00 pm,

ABSTRACT

In this paper, we propose a new test of instrumental variable (IV) validity in data-rich environments in terms of either high-dimensional IV or controls. The test works under a growing number of instruments and (or) controls which could be even larger than the sample size. Moreover, the test is shown to have desired properties of size and power under heteroskedasticity. Simulation results show the new test performs favorably compared to existing alternative tests.

VENUE

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