
Joint Statistics Seminar

The Hong Kong University of Science and Technology

Factor Modelling for Time Series: From Econometrics Models To Statistical Approaches

by

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Date: April 16, 2010 (Friday)
Time: 4:00 p.m. - 5:00 p.m.
Venue: Room 2406 (Lift 17/18)

Abstract

Following a brief survey on the factor models for multiple time series in econometrics, we introduce a statistical approach from the viewpoint of dimension reduction. Our method can handle nonstationary factors. However under stationary settings, the inference is particularly simple in the sense that the estimation of the factor dimension and the loadings is resolved by an eigenanalysis for a non-negative definite matrix. We also report some asymptotic properties and numerical illustrations with both simulated and real data sets.

❖ *All interested are welcome!* ❖
For details, please contact ISOM Department.