For Favour of Posting

THE CHINESE UNIVERSITY OF HONG KONG

Department of Statistics

will present a seminar entitled

Factor modelling for time series: from econometrics models to statistical approaches

by

Professor Qiwei Yao
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on

Tuesday, 27 April 2010

2:00pm – 3:00pm

in

Lady Shaw Building LT6
The Chinese University of Hong Kong

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 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 are Welcome