Factor Models of Large dimensions

金百鎖博士
國立中山大學應用數學系(博士後研究)

Abstract

In the factor model with large cross-section and time-series dimensions, we propose a new method to estimate the number of factors. When the idiosyncratic terms satisfy a Vector Autoregressive Moving Average (VAMA) model, the estimators of the parameters can be obtained in the time series model and we also can test the model by Limiting Spectral Distribution (LSD) of the large sample covariance matrices.