UC3M–ICMAT Seminar – 2014

Applied Probability and Statistics

Data cloning estimation of COGARCH model

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11h00, *ICMAT, Aula Gris II*

COGARCH models are a continuous time models based on discrete GARCH models that have been proposed to deal with non-equally spaced observations. The data cloning methodology can be used in order to obtain estimators of COGARCH model parameters. Data cloning methodology uses a Bayesian approach to obtain approximate maximum likelihood estimators avoiding numerically maximization of the pseudo-likelihood function. After a simulation study using a data cloning algorithm, this technique is applied to model the behavior of some NASDAQ time series.

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