





Workshop on Dynamic Models driven by the Score of Predictive Likelihoods

Organizers: Andrew Harvey (Cambridge), Siem Jan Koopman (VU), Andre Lucas (VU)

When: 17-18 January 2013 (1.5 day: Thursday afternoon and Friday)

Where: Tinbergen Institute Amsterdam

Background

The idea of using score information from the predictive likelihood function to generate time-varying parameter paths in statistical models is now well established. Although many well-known dynamic models are effectively special cases of this general idea, new models have been formulated on the basis of this concept. The two groups on the forefront of these developments are coming together in this Workshop: Harvey and co-workers at the University of Cambridge, and Koopman, Lucas and co-workers at the VU University Amsterdam.

In this Workshop we want to present the ideas and further developments from the different perspectives but we also want to look for common grounds in these further developments. A series of short presentations will be delivered with sufficient time for discussion. We plan to let this Workshop provide an up-to-date overview of where we are with the score models.

Given the interests in this new research topic, we have been able to generate an international group of presenters, see the program below (everyone has confirmed their attendance).

We would like to invite our colleagues from the Tinbergen Institute and outside to attend our Workshop for both days. PhD students are also cordially invited!

Andrew Harvey -- Siem Jan Koopman -- Andre Lucas







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Program

Each regular presentation is in total 30 minutes: 20 minutes presentation and 10 minutes discussion Keynote opening and closure presentations of Creal and Harvey are 45=35+10 minutes.

Thursda	ay 17 January
14:10	Welcome Lucas / Koopman
14:15	Drew Creal (Booth Business School University of Chicago)
	Latent dynamic factor models for mixed measurements
15:00	Xin Zhang (Sveriges Riksbank, Central Bank of Sweden, Stockholm)
	Measuring credit risk in a large banking system: econometric modeling and empirics
15:30	Tea/Coffee
16:00	Pawel Janus (UBS Zurich)
	A Dynamic Model for Daily Equity Covariances Based on Multiple Measures
16:30	Philipp Andres (Cambridge U)
	The Dynamic Location/Scale Model: with applications to intra-day financial data
17:00	Ryoko Ito (Cambridge U)
	Modeling dynamic diurnal patterns in high frequency financial data
17:30	Closure Day 1
18:30	Walk from Weesperzijde to Noordermarkt: http://www.amsterdamlightfestival.com/en/
19:15	Speakers dinner
Friday 1	<u>18 January</u>
10:00	Francisco Blasques (VU)
	Consistency en asymptotic normality of maximum likelihood estimators of parameters in a class of
	observation-driven time series models
10:30	Erkki Silde (VU)
	Stationarity and ergodicity of new models for correlation dynamics
11:00	Tea/Coffee
11:30	Bernd Schwaab (European Central Bank)
	Conditional probabilities for Euro area sovereign default risk
12:00	Kris Boudt (KU Leuven & VU)
	Regime Switches in the Volatility and Correlation of Financial Institutions
12:30	Lunch
13:30	Jiangyu Ji (VU)
	A New Semiparametric Volatility Model
14:00	Marcin Zamojski (VU) TBA
14:30	Siem Jan Koopman (VU)
	Predicting time-varying parameters with parameter-driven and observation-driven models
15:00	Tea/Coffee
15:30	Francesco Calvori (U Florence, Italy)
	Parameter instability tests for alternative modeling frameworks
16:00	Stephen Thiele (Cambridge U)
	Time-varying parameters
16:30	Andrew Harvey (Cambridge U)
	Filtering with heavy tails
17:15	Closure by Andre Lucas (VU)
17:30	Farewell Drinks

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