

NordStat 2006

June 11—15, 2006

Rebild, Denmark

Sunday, June 11

Large auditorium

13:00—15:00 Registration and coffee

15:00—15:15 Opening

15:15—16:45 Terry Speed

Statistical issues in determining cis-regulatory modules of transcription factors

17:00—17:45 David Spiegelhalter

Monitoring performance in the UK health-care system: the role of statistical methods

19:00—

Dinner

Monday, June 12

Location	Large auditorium	Sorbonne	Cambridge
Session	Time Series Data in Finance and Economics	Infectious Epidemiology	E-learning and Statistics
Chair	Anders Rahbek	Niels Keiding	Helle Rootzén and Bent Jørgensen
09:00—09:30	Rasmus Theis Lange Asymptotic inference for the AR-ARCH model	Tom Britton Random graphs, infectious diseases and vaccination	Bent Jørgensen Master of applied statistics: A web-based statistics degree
09:30—10:00	Søren Johansen Representation theory for a class of vector autoregressive models for fractionally integrated processes	Mathias Lindholm Endemic persistence or disease extinction: the effect of population separation into subcommunities	Pia Veldt Larsen E-learning in Practice
10:00—10:30	Heino Bohn Nielsen The likelihood ratio test for cointegration ranks in the $I(2)$ model	Astrid Lunde Genetic and environmental influences on birth weight, birth length, head circumference and gestational age using population based parent-offspring data	Helle Rootzén Learning objects - a new way of teaching statistics
10:30—11:00	Coffee break		
Location	Auditorium		
11:00—11:45	Tobias Rydén Hidden Markov and state space models - from likelihood theory to computational statistics		
11:45—12:30	Olle Häggström Problem solving is often a matter of cooking up an appropriate Markov chain		
12:30—13:30	Lunch		

Location	Large auditorium	Sorbonne	Cambridge
Session	Modelling using SDEs	Graphical Models	Statistics and Scientific responsibility
Chair	Henrik Madsen	Svend Kreiner	Inge Henningsen
13:30—14:00	Bo Markussen Hermite series with given marginal distribution and autocorrelation function	Claus Dethlefsen Free, cross-platform gRaphical software	Gorm Gabrielsen The Danish controversy on <i>social heredity</i>
14:00—14:30	Rune Viig Overgaard SDEs in drug development	Søren Højsgaard Coloured Graphical Gaussian Models	Ole Olsen Correction of mistakes in scientific publications?
14:30—15:00	Susanne Ditlevsen First passage time distribution for the Ornstein-Uhlenbeck process	Di Serio Clelia Graphical chain models for the analysis of complex genetic diseases	Inge Henningsen Some reflections on statistics and scientific responsibility
15:00—15:30	Erik Lindström Are option values stochastic? On effects of state and parameter uncertainty	Svend Kreiner Elaboration, explanation and specification in graphical models	
15:30—16:00	Coffee break		
Location	Large auditorium		
16:00—16:45	Terry Speed Statistical issues in determining cis-regulatory modules of transcription factors		
16:45—17:30	Discussion by Carsten Wiuff and Mats Rudemo		
18:30—	Dinner		

Tuesday, June 13

Location	Large auditorium	Cambridge
09:00—10:30	Jesper Møller and Rasmus Waagepetersen Modern Statistics for Spatial Point Processes	
10:30—11:00	Coffee break	
Location	Large auditorium	Cambridge
Session	Spatial and spatio-temporal modeling	Biostatistics
Chair	Eva B. Vedel Jensen	Erik Parner
11:00—11:30	Hanne Wist Rognebakke Deterministic inference for log-Gaussian Cox processes	Axel Gandy Directed model checks for regression models from survival analysis
11:30—12:00	Jakob G. Rasmussen Spatial-temporal modeling of forest gaps generated by colonization from below- and above-ground bark beetle species	Tatjana Pavlenko Sparse structure of statistical dependence and feature subset selection in supervised classification
12:00—12:30	Thordis Linda Thorarinsdottir A spatio-temporal model for fMRI data - with a view to resting state networks	Jose A. Ferreira Approximate sample size calculations with the Benjamini-Hochberg method
12:30—13:30	Lunch	
13:00—22:00	Afternoon and evening excursion to Silkeborg	

Wednesday, June 14

Location Large auditorium

09:00—09:45	Jesper Møller and Rasmus Waagepetersen Modern Statistics for Spatial Point Processes
09:45—10:30	Discussion by Anti Penttinen and Eva B. Vedel Jensen
10:30—11:00	Coffee break

Location Large auditorium

Session	Statistics in Information Engineering
Chair	Jouko Lampinen
11:00—11:30	Andreas Futschik More hypotheses versus more power: Designing a multiple hypothesis testing experiment subject to a maximum overall number of possible observations

11:30—12:00	Jari P. Kaipio Statistical approaches in inverse problems
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12:00—12:30	Jouko Lampinen Bayesian model for object localization and recognition
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12:30—13:30 Lunch

Location Large auditorium

13:30—14:15	Fred Espen Benth Mathematical finance for energy markets: stochastic models and pricing of derivatives
14:15—15:00	Anders Skrondal Some recent developments in latent variable modelling
15:00—15:30	Coffee break

Location Large auditorium

Session	Chemometrics
Chair	Rolf Sundberg
15:30—16:00	Line Clemmesen Classification of penicillium fungi through multi-spectral imaging and least angle regression - elastic net model selection
16:00—16:30	Søren G. Erbou Registration and shape modeling of porcine bone structures via CT

Sorbonne

Spatial and spatio-temporal modelling
Rasmus Waagepetersen
Jo Eidsvik Comparing approximate methods for geostatistical inference

Henning Omre Seismic lithology-fluid prediction based on a hidden Markov random field model
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Anastassia Baxevani Modelling significant wave height using altimeter measurements

Sorbonne

Spatial and Spatio-temporal Modelling
Henning Omre
Michael Höehle Analysis of classical swine fever virus incidence data using a partial likelihood approach

Carlos Diaz Space-time point processes applied to the modeling of fire occurrences

Cambridge

Time Series Data in Finance and Economics
Anders Rahbek
Daniel Berg A copula goodness-of-fit test based on the probability integral transform

Yuri Goegebeur A kernel goodness-of-fit statistic for Pareto-type behavior

Karima Belaïde Characteristics proprieties of long memory Models

Cambridge

Simulation-based Inference and Computational Statistics
Kim Emil Andersen
Kasper Klitgaard Bertelsen Perfect simulation for posterior mixture weights

Hugo Hammer Control variates for the Metropolis-Hastings algorithm

Location Large auditorium

Session	Chemometrics
Chair	Rolf Sundberg
16:30—17:00	Anders Björkström Predictor construction in multi-variate regression: A framework and comparison.

17:00—17:30	Rolf Sundberg Small sample bias and selection bias effects in calibration under latent factor regression models
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19:00— Conference dinner. Live music, party and free drinks.

Thursday, June 15

Location Auditorium

Session	Statistical Analysis of Complex Event History Data
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Chair	Odd O. Aalen and Ørnulf Borgan
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09:00—09:30	Robin Henderson A martingale random effects model for longitudinal data with dropout
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09:30—10:00	Vanessa Didelez A different perspective on inverse probability weighting for causal inference
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10:00—10:30	Torben Martinussen Semiparametric additive hazards model with focus on a change-point model
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10:30—11:00	Christian Bressen Pipper Model checking techniques for grouped survival data models
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11:00—11:30 Coffee break

Location Large auditorium

11:30—12:15	Rasmus Nielsen Statistical Inference in Population Genetics
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12:15—13:00	Yudi Pawitan Multidimensional local false discovery rate
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13:00—13:15 Closing of conference

Thank you very much you for your participation
Have a safe trip home

Sorbonne

No activities

Cambridge

Simulation-based Inference and Computational Statistics

Kim Emil Andersen

Elena Moltchanova
Using RjMCMC algorithm to estimate supply and demand curves

Håkon Tjelmeland Bayesian CART - prior specification and posterior simulation

Cambridge

Bioinformatics and Statistical Genetics

Mats Rudemo

Niels Richard Hansen
Discriminative estimation via an exponential large deviation property

Susann Stjernqvist
Modelling of CGH-data with continuous-index hidden Markov models

Mette Langaas
Statistical testing within the gene ontology hierarchy

Anders Sjøgren
General linear models for microarray experiments