

Tuesday 26th June

Appleton Tower

Bayesian Computation

Agrawal, Raj: Minimal I-MAP MCMC for Scalable Structure Discovery in Causal DAG Models

Asmann, Christian: Bayesian Estimation for Reduced Rank Regression Models using Post-Processing

Baker, Jack: Stochastic Sampling from the Probability Simplex and Dirichlet Processes

Banterle, Marco: Sparse covariance modeling in high-dimensional SUR models

Bell, Mark: Particle Gibbs Split-Merge sampler for the clustering of nodes in networks

Candela, Rosa: Insights into distributed variational inference for Bayesian Deep Learning

Cristina Oliveira da Fonseca, Thais: Bayesian cross-validation of geostatistical models

Dutta, Ritabrata: Well-Tempered Hamiltonian Monte Carlo on Active-Space

Ehlers, Ricardo: Zero variance and Hamiltonian Monte Carlo methods in GARCH models

Elvira, Victor: Massively Recycled Importance Sampling

Everitt, Richard: Variable dimension SMC for model comparison and streaming inference for the coalescent

Felipe Florez Rivera, Andres: Adaptive significance level test using weighted likelihoods for comparison of proportions

Garbuno Inigo, Alfredo: Emulator-based history matching

Giordano, Ryan: Automatic Measures of Hyperparameter Sensitivity for MCMC

Giovannelli, Jean-François: Inverse problem and textures images

Graham, Matt: Scaling optimal-transport based ensemble filtering to high-dimensional spatiotemporal models

Graham, Matt: Continuously tempered Hamiltonian Monte Carlo

Gullikstad Hem, Ingeborg: Penalised complexity priors for multilevel models: An outlook

Hartmann, Marcelo: Laplace approximation and the natural gradient for Gaussian process regression with the heteroscedastic Student-t model

Hosszejni, Darjus: Efficient Bayesian Inference for the Stochastic Volatility Model with Leverage

Huan, Xun: Choosing Embedding for Capturing Model Misspecification Using Global Sensitivity Analysis and Bayes Factor Computation

Jacobi, Liana: Automated Sensitivity Analysis for Bayesian Inference via Markov Chain Monte Carlo

Jagath Senarathne, SG: Bayesian sequential design for Copula models: a comparison of designs selected under different Copula models

Jo, Seongil: Stochastic variational inference for the Levy adaptive regression with multiple kernels

Jones, David: Warp Bridge Sampling: The Next Generation

Keller, Merlin: Using Mixture Modeling to Perform Bayesian Model Selection and Averaging

Kelly, Luke: Accelerated inference in a complex phylogenetic model

Klein, Nadja: Implicit Copulas from Bayesian Regularized Regression Smoothers

Lehmann, Brieuc: Extending the Bayesian exponential random graph model

Leriu, Ilias: Bayesian Survival Analysis under Model Uncertainty using the Generalized F Distribution

Low-Choy, Samantha: informBCT: an R package for Bayesian Classification Trees with informative priors and decision theory

Ludkin, Matthew: Explicit, non-reversible, contour-hugging MCMC

M Schmon, Sebastian: Large Sample Asymptotics of the Pseudo-Marginal Method

Märtens, Kaspar: Scalable probabilistic non-linear dimensionality reduction for mixed variable types

Mohammadi, Reza: Bayesian Structure Learning of High-dimensional Graphical Models with Application to Brain Connectivity

Muchmore, Patrick: Random Riemann sums for likelihood-free Markov chain Monte Carlo with stochastically scaled Gaussian vectors

Nemeth, Christopher: Pseudo-Extended Markov Chain Monte Carlo

Niemi, Jarad: Fully Bayesian analysis of hierarchical count regression models applied to RNAseq

Nishimura, Akihiko: Bayesian variable selection for "large n and large p"

Oyebamiji, Oluwole: Bayesian parameter inference for a dynamic simulator of microbial communities

Pao-Yen Wu, Paul: Understanding changes in physiological state during triathlon cycling using hidden markov models

Polymeropoulos, Alexios: Bayesian Variable Selection for Multinomial Regression Models with Mixtures of g-Priors

Pompe, Emilia: Multicore adaptive MCMC for multimodal distributions

Prangle, Dennis: Black-box Variational Inference for Stochastic Differential Equations

Rastelli, Riccardo: Noisy inference for latent position network models

Rigon, Tommaso: A note on quadratic approximations of logistic log-likelihoods

Riva Palacio, Alan: Bayesian Nonparametric Survival Regression Models

Safta, Cosmin: Bayesian Estimation of Spatio-Temporal Parameters for Atmospheric Transport Models

Shao, Stephane: Bayesian model comparison with the Hyvärinen score

Shestopaloff, Alexander: On efficient Markov chain Monte Carlo sampling in discrete spaces

Sidén, Per: Efficient covariance approximations for large sparse precision matrices

Souris, Allyson: A new blocked Gibbs sampler for the truncated multivariate normal distribution

South, Leah: Advances in zero-variance control variates for SMC

Sutton, Matthew: Bayesian Variable Selection Regression Of Multivariate Responses For Group Data

Tait, Daniel: Multiplicative Latent Force Models Using Neumann Series Expansions

Tardella, Luca: Algorithms and diagnostics for the analysis of preference rankings with the extended Plackett-Luce model

Touloupou, Panayiota: Scalable inference for epidemic models with individual level data

van der Merwe, AJ: A Bayesian-Frequentists Approach for detecting Outliers in a One-way Variance Components Model

Vanetti, Paul: Piecewise Deterministic Markov Chain Monte Carlo

Vasco, Daniela: Rain-drop plots: Graphical diagnostics for visualizing morphology of multiple plausible tree models

Wiqvist, Samuel: Accelerating delayed-acceptance Markov chain Monte Carlo algorithms

Wu, Yuefeng: Convergence of Adaptive Rejection Metropolis Sampling with Hit and Run Random Direction

Yang, Jun: Complexity Results for MCMC Derived from Quantitative Bounds

Ye, Lifeng: MC-CAVI: A Monte Carlo Implementation of CAVI algorithm and its application in Metabolomics

Zhe Liu, Jeremiah: Posterior Inference Algorithms for Exponential-Family Bayesian Factor Models: How fast do they converge?

Informatics Forum

Big Data

Chekouo, Thierry: Bayesian Group Selection for Compositional Data: Application to imaging genomic data for Glioblastoma disease

Harel, Ofer: Imputation of Race and Ethnicity in Health Insurance Claims

Kim, Inyoung: Bayesian Ising Sparse nonparametric model

L Thomas, Matthew: Data Integration for high-resolution, continental- scale estimation of air pollution concentrations

Lang, Kyle: Multiple Imputation with the Bayesian Elastic Net: Revisiting the Results of Lang (2015)

Lee, Kyoungjae: Bayesian Test and Selection for the Bandwidth of High-dimensional Banded Precision Matrices

Li, Didong: Efficient Manifold and Subspace Approximations with Spherelets

Rahman, Shahina: Model-Based Clustering for High Dimensional Data

Rukat, Tammo: Bayesian Boolean Tensor Decomposition

Sen, Deborshee: Parallel parameter inference in hidden Markov models using segmented particle filters

Terenin, Alexander: Polya-Urn approximations to improve computational performance in Topic models MCMC inference

Willetts, Matthew: Semi-supervised learning for Human Behaviour Recognition using Deep Generative Models

Zoh, Roger: A Powerful Bayesian Test for Equality of Means in High Dimensions

Economics, Finance & Business

Bernardi, Mauro: Bayesian Nonparametric Quantile Regression Treed

Bhuyan, Prajmitra: A Bayesian two-stage regression approach of analyzing longitudinal outcomes with endogeneity and incompleteness

C Franco, Glauro: Time series of count data: a review, empirical comparisons and data analysis

Chang, Sheng-Kai: A Bayesian estimator for stochastic frontier models with errors in variables

Craiu, Radu: Bayesian Inference for Conditional Copulas using Gaussian Process Priors and Single Index Models

Danielova Zaharieva, Martina: Bayesian nonparametric Bernstein copula for uncorrelated dependent MGARCH errors

Dimitrakopoulos, Stefanos: Bayesian analysis of moving average stochastic volatility models: modelling in-mean effects and leverage for financial time series

Ekici, Oya: An Early Warning Indicator for Emerging Economies: Short Term Private External Debt

Goessling, Fabian: SMC methods for Production Based Asset Pricing

Goldman, Elena: Bayesian Model Selection for Risk Management

Goldmann, Leonie: Use of Social Media Big Data for Enhancing the Effectiveness of Credit Allocation to Companies

Iacopini, Matteo: Bayesian Markov switching Tensor regression for Time-varying Networks

Jeliazkov, Ivan: Integrated Analysis of the Life-Cycle Interactions between Health and Socioeconomic Status

Kastner, Gregor: Sparse Bayesian vector autoregressions in huge dimensions

Kaufmann, Sylvia: Unique representations of sparse factor models

Kawakubo, Yuki: Small area estimation for grouped data

Kobayashi, Genya: Flexible Bayesian quantile curve fitting with shape restrictions based on Gaussian process and generalised asymmetric Laplace distribution

Koop, Gary: Variational Bayes inference in high-dimensional time-varying parameter models

Kowal, Daniel: Dynamic Shrinkage Processes

Kreuzer, Alexander: Bayesian inference for a single factor copula based stochastic volatility model using Hamiltonian Monte Carlo

Lee, Junho: Modelling Time-Varying Conformance to Benford's Law

Leonelli, Manuele: Extreme changepoint estimation in financial time series

Markwick, Dean: Hierarchical nonparametric Hawkes processes with applications to finance

Mazur, Benjamin: Evaluation of multivariate predictive densities using forecast pooling with models of different dimensions

Meng, Yan: A Panel Data Analysis of Hospital Variations in Length of Stay for hip replacement patients: private vs public

Nakamura, Eri: Bayesian Stochastic Frontier Model with Endogenous Regressors: An Application to the Effect of Division of Labor in Japanese Water Supply Organizations

Nguyen, Hoang: Variational Inference for high dimensional structured factor copulas

Ohtsuka, Yoshihiro: Estimating business cycle turning points in Japan using a Markov switching factor model with time-varying transition

Oya, Sakae: A graphical multi-factor model of massively-many asset returns: application to long-term portfolio management

Ramírez Hassan, Andrés: Focused Econometric Estimation: A Bayesian Minimum Expected Loss estimator approach

Sugasawa, Shonosuke: Small Area Estimation with Unknown Link Function

Toyabe, Tomoki: Bayesian Stochastic Conditional Duration Model with Intraday Seasonality and Limit Order Book Information

Vahap, Seyma: Bayesian composite likelihood methods for large vector autoregressive models with time varying parameters and stochastic volatility

Xie, Chunxiao: Bayesian modelling of the Critical illness insurance claim rate

Yamauchi, Yuta: Factor multivariate realized stochastic volatility model

Zhang, Xibin: A Nonparametric Regression Model for Cross-Market Prediction under Conditional Heteroscedasticity

Industrial Statistics

Du, Hailiang: Energy System Optimization via Statistical Emulation and Uncertainty Quantification

Ebert, Anthony: Metrics on probability measures: Applications for dynamic queueing networks

Egemen, Didem: BAYESIAN MODELLING OF VIRTUAL AGE IN REPAIRABLE SYSTEMS

Ekin, Tahir: Bayesian Hierarchical Methods for Medical Prescription Fraud and Abuse Detection

Futoma, Joseph: Learning to Detect Sepsis with Multi-output Gaussian Process Recurrent Neural Networks

Huang, Jiangeng: Bayesian input-dependent calibration for large computer experiments

Klauenberg, Katy: Benefits of prior knowledge for sampling plans

Koizumi, Daiki: Bayesian estimation of hard disk drives' lifetime under Gamma distribution

Lewis, John: Bayesian Modeling of Self-Exciting Marked Point Processes with Missing Histories

Marmin, Sébastien: Bayesian calibration of computer models with modern Gaussian process emulators

Suleiman, Mani: Bayesian approaches for health information quality improvement

Wilson, Kevin: Assurance for sample size determination in reliability demonstration testing

Wednesday 27th June

Informatics Forum

Biostatistics and pharmaceutical data

Alexopoulos, Angelos: Bayesian variable and covariance selection for Gaussian copula regression models

Amoros Salvador, Ruben: A Bayesian longitudinal hidden Markov model for the rapid detection of hepatocellular carcinoma.

Arfè, Andrea: Data-driven late-stage trial designs

Aristo Burger, Divan: Robust fit of Bayesian mixed effects regression models with application to colony forming unit count in tuberculosis research

Arnold, Richard: Biclustering in capture-recapture experiments

Avalos Pacheco, Alejandra: Batch effect correction using Bayesian sparse factor regression

Awaya, Naoki: Particle rolling MCMC with forward and backward block sampling with application to stochastic volatility models

Belloni, Marion: A Bayesian hierarchical approach to account for exposure measurement errors combined with a censoring process when analyzing lung cancer mortality in the French cohort of uranium miners

Bettella Cybis, Gabriela: Maximum à posteriori estimation for antigenic cartography

Boulet, Sandrine: Bayesian variable selection based on clinical relevance weights in small sample studies - Application to colon cancer

Canale, Antonio: Convex Mixture Regression for Quantitative Risk Assessment

Caponera, Alessia: Hierarchical spatio-temporal modeling of resting state fMRI data

Carson, Jake: Bayesian methods for comparing and evaluating infectious disease models using partially observed data

Cassese, Alberto: Bayesian Negative Binomial Mixture Regression Models for the Analysis of Sequence Count and Methylation Data

Castro, Mauricio: Bayesian semiparametric modeling for HIV longitudinal data with censoring and skewness

da Silva Ferreira, Gustavo: Positivity intensity of *Aedes aegypti* in Rio de Janeiro in 2012-2013

Dai, Ning: Bayesian longitudinal spectral estimation with application to resting-state fMRI data analysis

Diniz Mayrink, Vinicius: Bayesian hidden Markov mixture models to detect down and up-regulated chromosome regions

Dumitrascu, Bianca: Mixed Bivariate Logistic Copulas for Depression Risk Factor Identification

Edgardo Garrido Guillen, Javier: Bayesian nonparametric inference for the overlap coefficient

Edgardo Garrido Guillen, Javier: Bayesian nonparametric inference for the overlap coefficient

Elfadaly, Fadlalla: An R Shiny Tool for Bayesian Imputation of Missing Variables Across Studies in Mixed-Effects Models

Emilio Verde, Pablo: Combining observational and randomized studies in meta-analysis with the Hierarchical Meta-Regression Approach

Gaebel, Jan: Bayesian Networks for Oncological Therapy Decision Support

Ganjgahi, Habib: Bayesian Factor Analysis of Multi-level data

Ganjgahi, Habib: Bayesian Factor Analysis of Multi-level data

Goudie, Robert: Integrating Bayesian clustering and longitudinal latent class models using Markov melding

Hoffmann, Sabine: Combining information of several experts via a Supra-Bayesian approach to derive informative prior distributions on biological input parameters in radiation epidemiology

Ickowicz, Adrien: An inference method for Hospital Length of Stay data - estimating through transformed observations.

Karimi, Belhal: Accelerated Methods for Maximum Likelihood Estimation in mixed effects models

Kirk, Paul: Semi-supervised multi-view Bayesian clustering for integrative genomics

Knock, Edward: Bayesian analysis of the spread of human African trypanosomiasis in the Democratic Republic of Congo

Koepl, Heinz: Simulation and inference of jump-diffusion models for biomolecular reaction networks

Lawson, Andrew: Temporally Dependent Bayesian accelerated Failure Time Model for capturing the impact of events that alter geo-referenced survival

Luo, Yu: Latent Multi-State Models for Non-Equidistant Longitudinal Observations

Margaritella, Nicolo': Parameters clustering in Bayesian functional PCA of neuroscientific data

Massiel Chiroque Solano Psoano, Pamela: Joint model for time-to-event and a sequence of longitudinal measurement data: a full dynamic hierarchical approach

Molinari, Marco: Modelling Ethnic differences in metabolomic associations via Bayesian non-parametric processes

Montagna, Silvia: High-dimensional Bayesian Fourier analysis for detecting circadian gene expressions

Pittavino, Marta: A Bayesian hierarchical model to integrate dietary exposure and biomarker measurements for the risk of kidney and lung cancer

Ponzi, Erica: Bayesian Measurement Error Models for air pollution and health studie

Posekany, Alexandra: Applying Mixtures of Gaussian and heavy-tailed distributions for Outlier Detection on Microarrays

Quirós, Alicia: Brain activity detection by estimating the signal-to-noise ratio of fMRI time series using dynamic linear models

Ramírez, Isabel: An application of the SBeta2 distribution in a age-period-cohort model.

Raubenheimer, Lizanne: Bayesian disease mapping with application to acute pericarditis

Ridall, Gareth: Efficient online Bayesian motor unit number estimation (MUNE).

Röver, Christian: The empirical calibration of effect estimators in meta-analysis

Ruffieux, Hélène: A global-local approach for detecting hotspots in multiple response regression

Ruffieux, Hélène: A global-local approach for detecting hotspots in multiple response regression

Rydevik, Gustaf: The effect of priors in Network Meta Analysis

Samartsidis, Pantelis: A Bayesian multi-outcome latent factor model for evaluation of binary interventions using panel data

Serra, Paulo: Automatic segmentation and robust probabilistic modeling of PPG signals

Silva, Giovanni: Joint analysis of longitudinal and survival AIDS data with a a fraction of long-term survivors

Sophie, Ancelet: Bayesian mixture modeling to answer both model selection and dose estimation issues in biological retrospective dosimetry.

Swanson, David: A parametric Cluster-of-Clusters model for integrative cancer genomics

Ursino, Moreno: Bayesian treatment comparison using parametric mixture priors based on histograms elicited from expert physicians

Vamvourellis, Konstantinos: Assessing the Safety of Rosiglitazone for the Treatment of Type 2 Diabetes

Vamvourellis, Konstantinos: Bayesian Modelling for benefit-risk balance analysis: case study for rosiglitazone in type II diabetes

Vradi, Eleni: A Bayesian approach for estimating the cutoff of a biomarker assay

Williams, Cameron: Using assurance and prior elicitation to calculate sample sizes for clinical trials

Wilzén, Josef: Towards generic noise modeling for voxelwise general linear models in task fMRI

Wu, Chieh-Hsi: Outcome-driven dimension reduction before subgroup analysis

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Xu, Jingxiong: A Novel Bayesian Region-Based Analysis for Next Generation Sequencing Data

Yuen Yi Wan, Kitty: An adaptive MCMC scheme for Bayesian Variable Selection in Binary and Time-to-Event Endpoints via data augmentation approach

Zhang, Hao: Collecting and Aggregating Prior Information for Bayesian Factor Analysis

Zucknick, Manuela: Improving genomic prediction models for cancer with informative selection priors

Appleton Tower

Nonparametrics and OBayes

Adriana Pereira Hoyos, Luz: A Bayesian nonparametric hypothesis testing procedure for paired samples

Aliverti, Emanuele: Bayesian modeling of contingency tables subject to mutual information constraints

Augusto Ferreira, Leandro: ABC to Bernstein polynomials: A nonparametric estimation method of densities

AYED, Fadhel: Bayesian Nonparametric Poisson factorization with completely random measures

Basulto-Elias, Guillermo: A Bayesian P-Splines Approach to Nonparametric Density Deconvolution

Bloem-Reddy, Benjamin: Bayesian inference for Beta Neutral-to-the-Left models of random graphs

C Lorenzi, Elizabeth: Hierarchical Infinite Factor Models for Improving the Prediction of Surgical Complications Across Hospitals

Cabras, Stefano: Conditional p-value calibration in multiple testing

Camerlenghi, Federico: Dependent nonparametric priors based on completely random measures

Castelletti, Federico: Learning Markov Equivalence Classes of Gaussian DAGs via Observational and Interventional Data: an Objective Bayes Approach

Catalin Hinoaveanu, Laurentiu: An Objective Loss-Based Prior for Gaussian Graphical Models

Chakrabarty, Dalia: Deep Learning of High-dimensional Functions given Hypercuboidally-shaped, Discontinuous Data, using Nested Gaussian Processes

Diana, Alex: A hierarchical Bayesian nonparametric multi-years model for bird migration patterns in UK breeding sites

Duanmu, Haosui: Existence of Matching Priors on Compact Spaces

E Reyes, Perla: Modeling and Projection of Network Samples

Edwards, Matthew: Gravitational wave data analysis using Bayesian nonparametric time series models

Eugenia Castellanos, María: The conventional prior approach for variable selection with censored data

Favaro, Stefano: A Bayesian approach to disclosure risk assessment

Ferrari, Federico: Estimating interactions between exposures using projected Gaussian processes

Fouskakis, Dimitris: Properties of Different Versions of Power-Expected-Posterior Priors in Variable Selection Problems

Hadji, Amine: Uncertainty quantification using Gaussian Process with squared exponential kernel

Hart, Brian: Multi-subject EEG Spectral Density Estimation Using Nested Dirichlet Processes

Harvey, Justin: Objective Bayesian Analysis of the Variance of Lognormal Daa

Harvey, Justin: Objective Bayesian Prevalence Modelling

Hashimoto, Shintaro: Robust Bayesian estimation based on γ -divergence

Hendricks, Jessie: Approximate Bayesian Computation in Forensic Science

Henrique Filipini dos Santos, Pedro: The Role of the Propensity Score in Bayesian Regression Tree Models for Causal Inference

Johnson, Stephen: Revealing subgroup structure in ranked data using a Bayesian WAND

Karolina Dziugaite, Gintare: PAC-Bayesian Insight into (Bayesian) Neural Network Generalization

Kolev, Aleksandar: Spatio-temporal Hawkes process

Ly, Alexander: Bayes factors for partial correlations

Lyddon, Simon: Generalized Bayesian Updating and the Loss-Likelihood Bootstrap

Meyer, Renate: Nonparametric Correction of a Parametric Likelihood for Bayesian Time Series Analysis

Miscouridou, Xenia: Modelling sparsity, heterogeneity, reciprocity and community structure in temporal interaction data

Mishra, Anuj: Bayesian Non-parametric modelling of directions in high-frequency finance

Mohammadi, Hossein: Emulating time-consuming computer models with discontinuous outputs using Gaussian processes

Mulder, Joris: The matrix-F prior for estimating and testing covariance matrices

Naulet, Zacharie: Estimating the tail-index of graphex processes

Nurushev, Nurzhan: Robust inference for general projection structures by empirical Bayes and penalization methods

Paganin, Sally: Centering exchangeable partition models

Panero, Francesca: Nonparametric empirical Bayes disclosure risk assessment.

Park, Sewon: Bayesian nonparametric function estimation using overcomplete system with B-spline basis

Pelenis, Justinas: Adaptive Bayesian Estimation of Mixed Discrete-Continuous Distributions Under Smoothness and Sparsity

Peluso, Stefano: Objective Bayes Selection of Essential Gaussian Graphical Models

Peneva, Iliana: A Bayesian Nonparametric Model for Integrative Clustering of Omics Data

Rajkowski, Łukasz: Analysis of the maximal a posteriori partition in the Dirichlet Process Gaussian Mixture Model

Ray, Kolyan: Estimating the mean response in a missing data model

Rizzelli, Stefano: Consistency of a Bayesian nonparametric model for extremal dependence

Ross, Gordon: dirichletprocess: An R Package for Fitting Complex Bayesian Nonparametric Models

Ryder, Robin: A Bayesian non-parametric methodology for inferring grammar complexity

Salomond, Jean-Bernard: Risk quantification for multiple testing using Gaussian scale mixtures

Sariev, Hristo: Approximate Bayesian procedures in multiple experiments

Sottosanti, Andrea: Mining signals of astronomical sources via Bayesian nonparametric mixture modelling

Spitzner, Dan: Subjective Bayesian testing using calibrated prior probabilities

Strauss, Magdalena: Bayesian nonparametric hierarchical context-dependent clustering

Tait, Daniel: Multiplicative Latent Force Models by Neumann Series Expansions

Tallarita, Marta: Bayesian Autoregressive Frailty Models for Inference in Recurrent Events

ter Horst, Enrique: Is Maximization of Photosynthetic Light use Efficiency a key Optimization Principle that Drives Leaf Acclimation to Light in Tropical Canopy Trees?

Van Der Molen Moris, Johan: Bayesian semi-parametric density estimation for nonregular models

Wade, Sara: Pseudo-marginal Bayesian inference for supervised Gaussian process latent variable models

Warr, Richard: The Attraction Indian Buffet Distribution

Williamson, Sinead: Nonparametric models for structured sparse graphs

Yan, Dong: Bayesian linear inverse problems in regularity scales

Yan, Zizhong: Estimating average treatment effects in evaluation studies: Using Dirichlet process mixtures

Yang, Chiao-Yu: On the effects of parameter space, kernel density function, and dimension on Dirichlet Process Mixture Models and their applications

Yang, Mingan: Bayesian semiparametric structural equation models with nonignorable missingness

Zhang, Quan: Lomax Delegate Racing for Multiclass Classification and Survival Analysis

Thursday 28th June

Informatics Forum

Education Research & Practice

Batterham, Marijka: Using SPSS® and STATA® to introduce Bayesian methods to non-math disciplines

Corbella, Alice: Inferring transmission and burden of an epidemic from multiple, dependent data

Fariña, Paula: A SEMIPARMETRIC BAYESIAN- EXPLANATORY MODEL FOR THE ANALYSIS OF A CHILEAN EDUCATIONAL DATASET

Low-Choy, Samantha: Going boldly where no Bayesian has been before: Drama-centred teaching with Star Trek for exploring new statistical paradigms

Sahu, Sujit: Extending the inferential capability of a generalised partial credit model using Bayesian computation: An application to an international disability survey developed by WHO and the World Bank

Shemyakin, Arkady: The First Bayesians?

Environmental Sciences

Alberti Moreira, Guido: Logistic modelling of point process: a Bayesian approach for presence-only data

Chu, Amanda: Bayesian spatial-temporal modeling of air pollution data with dynamic variance and leptokurtosis

Clark, Allan: Bayesian occupancy models using logic link functions.

Damgaard, Christian: Spatio-temporal structural equation modeling in a hierarchical Bayesian framework: ecology of wet heathlands

E Reyes, Perla: Spatial-Temporal Modeling of Land Surface Phenology of Kansas Farm Lands

Fjeldstad, Torstein: Approximate Bayesian inference of model parameters in convolved hidden Markov models - with an application to seismic data

Gopalan, Giri: Bayesian hierarchical spatio-temporal modeling in glaciology

J Heaton, Matthew: Assessing Relationships Among Dominant Tree Species using Spatial Multivariate Bernoulli Models

Kaurila, Karel: Uncertainty quantification of a high-dimensional ecological model

Kyzyurova, Ksenia: Quantifying Scenario Uncertainty for Global Temperature Projections: A Bayesian Space-Time Energy-Balance Stochastic Generator

Law, Jonathan: Bayesian Modelling of Environment Sensors

LIU, JIA: Model based Bayesian spatio-temporal survey design for species distribution modelling

Mondal, Anirban: Bayesian Emulator for CO2 Retrieval from Satellite Remote Sensing Data

Muff, Stefanie: Reformulating the conditional logistic model as a Poisson model with stratum-specific intercepts: an application to animal movement data

Muff, Stefanie: Bayesian "animal model" with group-specific additive genetic variances

Oh, Man-Suk: Bayesian Analysis of Copula-based Multivariate Count Regression Model

Prates, Marcos: Spatial Quantile Regression for Wind Speed Prediction

Roksvåg, Thea: Prediction of annual runoff by using a Bayesian geostatistical model for combining precipitation gauge observations and runoff observations

Sansom, Philip: Sequential Monte Carlo methods for diagnosing sources of unusual persistence in time series

Selle, Maria: Spatial adjustment in plant breeding field trials

Sha, Zhe: Bayesian model-data synthesis with an application to global Glacio-Isostatic Adjustment

Siegert, Stefan: Inferring spatio-temporal patterns of future climate change from climate model simulations

Silva, Luís: Using Bayesian inference as an integrated tool for research in ecology

Steinbuch, Luc: Bayesian Generalized Linear Geostatistical Modelling for mapping subsoil ripening

Steinbuch, Luc: An analytical approach for Bayesian area-to-point kriging: a case study with crop yields

Steinsland, Ingelin: Benefits of spatiotemporal modeling for short-term wind power forecasting at both individual and aggregated levels

Tikhonov, Gleb: Gaussian process approximations in latent factor models for statistical analysis of spatially extensive large ecological communities

Vanhatalo, Jarno: Joint species distribution models with flexible multivariate Gaussian process priors

Wangusi, Nathan: Linking Water-Use Decisions, Ecosystem Function and Economic Indicators for Strategic Adaptive Management using Bayesian Network Models in African River Systems

Appleton Tower

Methodology & Emerging fields

Acharyya, Satwik: Bayesian Inference for Covariance-valued Data

Ausdemore, Madeline: Applications of latent Dirichlet allocation (LDA) techniques to mixtures of dust particles in forensic science

Böing-Messing, Florian: Bayes Factors for Testing Inequality Constrained Hypotheses on Variances of Dependent Observations

Bu, Fan: Learning Root Source with Marked Multivariate Hawkes Processes

Buchholz, Alexander: Adaptive Tuning Of Hamiltonian Monte Carlo Within Sequential Monte Carlo

Chang, Ya-Ting: Evidence evaluation and functional data analysis

Crispino, Marta: Conjugate prior elicitation in the Mallows ranking model with Spearman distance

Cunningham, Nathan: Particle Monte Carlo methods to integrate multiple datasets with applications to genomic data

D'Elia Branco, Marcia: Concentration function for skew-symmetric models with applications to Bayesian inference

Das, Sourish: Regularization and Variable Selection with Copula Prior

Davey, Christian: Bayesian Adaptive Independence Sampling with Latent Variables

de Carvalho, Miguel: On the Geometry of Bayesian Inference

Di Benedetto, Giuseppe: Non-exchangeable random partition models for microclustering

di Marco, Valentina: Sequential importance sampling with corrections for partially observed states

Dondelinger, Frank: Multi-task Dirichlet-multinomial regression for detecting global microbiome associations

Duong, Michael: Bayesian Analysis of Global and Idiosyncratic Changepoints

Durante, Daniele: Conjugate Bayes for probit regression via unified skew-normals

Dutta, Somak: A Bayesian screening method in ultra-high dimensional settings

Egidi, Leonardo: Mixture data-dependent priors

Elena Rivera Mancía, Maria: The role of expert elicitation in modelling extreme events

Estefanía Patiño Hoyos, Alejandra: Adaptive significance levels in normal mean hypothesis testing

Flaxman, Seth: Predictor Variable Prioritization in Black Box Models: A Genetic Association Case Study

Fuglsby, Cami: On the Use of Bayesian P-Values for Forensic Identification of Source Problems

Fuquene, Jairo: On choosing mixture components via non-local priors

Gagnon, Philippe: Bayesian Robustness to Outliers in Linear Regression

Gamado, Kokouvi: Inference and risk assessment from small scale and early phase epidemic data

Graziadei de Carvalho, Helton: Integer-Valued AR(1) with a mixture of innovations

Grollemund, Paul-Marie: Bayesian Functional Linear Regression with Prior Information

Heck Wortman, Joan: Bayesian Record Linkage with Split Models

Horii, Shunsuke: Bayesian compressed sensing with hybrid hierarchical prior

Hrafinkelsson, Birgir: Fast computation for latent Gaussian models with a multivariate link function

Hughes, David: Multivariate Linear Mixed Models in Large Longitudinal Datasets: A Variational Approach

Järvenpää, Marko: Efficient acquisition rules for model-based approximate Bayesian computation

Johan von Maltitz, Michael: The Assessment of Multiple Imputation Simulation Studies

Kiagias, Dimitrios: Going beyond the diffraction limit: Bayesian modelling for STORM imaging

Legramanti, Sirio: Towards a Bayesian analysis of privacy for GPS trajectories

Leos Barajas, Vianey: Inference in Multivariate Hidden Markov Models using Bayesian P-Splines

Lew, Robert: Robust Priors for Small Samples

Li, Bo: Bayesian Instrumental Variable Regression via Deep Generative Models

Louzada, Francisco: Posterior properties of the generalized gamma family of distributions

Lu, Xuefei: Bayesian estimation of probabilistic sensitivity measures for computer experiments

Maestrini, Luca: Variational Message Passing for Regression Models

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Malsiner-Walli, Gertraud: Learning the number of components and data clusters in Bayesian finite mixture models

Marion, Glenn: Bayesian inference for dynamic models and capture mark recapture data reveals new insights into badger-tuberculosis disease system

Massam, Helene: The ratio of prior normalizing constants in graphical Gaussian models

McKinley, Trevelyan: Approximate Bayesian Computation and History Matching for complex stochastic epidemic models

Milios, Dimitrios: Calibration Properties of Gaussian Process Classifiers

Mirgolbabaei, Hessam: $\rightarrow\rightarrow$ Role of Dominant Thermochemical Scalars in Low-dimensional Manifold Numerical Simulation of Reactive Flows

Moletsane, Moletsane: Bayesian Alternative for the Imputation of Missing Spatiotemporal Longitudinal Data with a Continuous Spatial Index

Moran, Gemma: On variance estimation for Bayesian variable selection

Mozgunov, Pavel: Symmetric Loss Functions in Restricted Parameter Spaces

Oeltze-Jafra, Steffen: Towards Structural Learning of Bayesian Networks in Head and Neck Oncology

Oswaldo, Gressani: Merging Markov chain Monte Carlo with Laplace approximations for fast inference in Generalized additive models

Owen, Jonathan: Optimisation under uncertainty for oil reservoir well control strategies

Padellini, Tullia: Model-based Quantile Regression for Discrete Data

Papathomas, Michail: On the correspondence from Bayesian log-linear modelling to logistic regression modelling with g-priors

Pérez-Vieites, Sara: A probabilistic scheme for joint parameter estimation and state forecasting and its application to data assimilation in a meteorological model.

Peruggia, Mario: Anchored Bayesian Gaussian Mixture Models

Pittavino, Marta: Conjugate Priors for Additive Bayesian Networks

Pope, Christopher: Modelling heterogeneity and discontinuities using Voronoi tiling

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