

**27th International
Workshop
on Statistical Modelling**

**July 16 – 20, 2012
Prague**

PROGRAMME

	MONDAY	TUESDAY	WEDNESDAY	
9:00	Opening (9:00 – 9:15)			9:00
9:15	Contributed session 1 (9:15 – 10:35)	Contributed session 5 (9:00 – 10:20)	Contributed session 9 (9:00 – 10:40)	9:15
9:30				9:30
9:45				9:45
10:00				10:00
10:15				10:15
10:30		<i>Coffee break</i> (10:20 – 10:50)		10:30
10:45	<i>Coffee break</i> (10:35 – 11:05)		<i>Coffee break</i> (10:40 – 11:10)	10:45
11:00				11:00
11:15	Invited talk 1 Robert B. O'Hara (11:05 – 12:05)	Invited talk 2 Thomas Kneib (10:50 – 11:50)	Invited talk 3 M. Luz Calle (11:10 – 12:10)	11:15
11:30				11:30
11:45				11:45
12:00				12:00
12:15	Contributed session 2 (12:05 – 13:05)	Contributed session 6 (11:50 – 12:50)	<i>Lunch (take away)</i> (12:10 – 12:25)	12:15
12:30				12:30
12:45				12:45
13:00			Excursion (12:30 →)	13:00
13:15		POSTER SESSION <i>(accompanied by lunch)</i> (12:50 – 15:40)		13:15
13:30				13:30
13:45	<i>Lunch (Academic Club)</i> (13:05 – 14:40)			13:45
14:00				14:00
14:15				14:15
14:30				14:30
14:45				14:45
15:00				15:00
15:15	Contributed session 3 (14:40 – 16:20)			15:15
15:30				15:30
15:45				15:45
16:00		Contributed session 7 (15:40 – 17:20)		16:00
16:15				16:15
16:30	<i>Coffee break</i> (16:20 – 16:50)			16:30
16:45				16:45
17:00				17:00
17:15	Contributed session 4 (16:50 – 17:50)			17:15
17:30		<i>Coffee break</i> (17:20 – 17:50)		17:30
17:45				17:45
18:00		Contributed session 8 (17:50 – 19:10)		18:00
18:15				18:15
18:30				18:30
18:45				18:45
19:00				19:00
19:15				19:15
19:30				19:30
19:45				19:45
20:00	Welcome reception (19:45 →)			20:00

	THURSDAY	FRIDAY	
9:00	Contributed session 10 (9:00 – 10:40)	SAS special session (9:00 – 9:20)	9:00
9:15			9:15
9:30			9:30
9:45			9:45
10:00			10:00
10:15			10:15
10:30			10:30
10:45	<i>Coffee break</i> (10:40 – 11:10)	<i>Coffee break</i> (10:30 – 11:00)	10:45
11:00			11:00
11:15	Invited talk 4 Michal Kulich (11:10 – 12:10)	Invited talk 5 Paul H. C. Eilers (11:00 – 12:00)	11:15
11:30			11:30
11:45			11:45
12:00			12:00
12:15	SMS AGM & IWSM'28 advert (12:10 – 12:40)	Contributed session 14 (12:00 – 13:00)	12:15
12:30			12:30
12:45			12:45
13:00		<i>Bye bye</i> (13:00 – 13:15)	13:00
13:15	<i>Lunch (Academic Club)</i> (12:40 – 14:10)		13:15
13:30		<i>Lunch (Academic Club)</i> (13:15 – 14:15)	13:30
13:45			13:45
14:00			14:00
14:15	Contributed session 11 (14:10 – 15:50)		14:15
14:30			14:30
14:45			14:45
15:00			15:00
15:15			15:15
15:30			15:30
15:45			15:45
16:00	<i>Coffee break</i> (15:50 – 16:20)		16:00
16:15			16:15
16:30	Contributed session 12 (16:20 – 18:00)		16:30
16:45			16:45
17:00			17:00
17:15			17:15
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17:45			17:45
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19:30			19:30
19:45			19:45
20:00	Conference dinner (20:00 →)		20:00

MONDAY July 16

9:00 – 9:15

Opening

9:15 – 10:35 **Contributed session 1** Chair: *Arnošt Komárek*

Carles Serrat (*Spain*) *page 297*

Jaime-Abel Huertas A semi-parametric joint model for two sequential
Guadalupe Gómez times to events and one longitudinal covariate

Achmad Efendi (*Belgium*) *page 111*

Geert Molenberghs A joint model with marginal interpretation for lon-
Edmund Njagi gitudinal continuous and time-to-event outcomes
Paul Dendale

Eleni-Rosalina Andrinopoulou (*the Netherlands*) *page 45*

Dimitris Rizopoulos Joint modeling of two longitudinal outcomes and
Johanna J. M. Takkenberg competing risk data
Emmanuel Lesaffre

Dimitris Rizopoulos (*the Netherlands*) *page 285*

A pseudo-adaptive Gaussian quadrature rule for
fitting joint models for longitudinal and time-to-
event data

10:35 – 11:05

Coffee break

11:05 – 12:05 **Invited talk 1** Chair: *Emmanuel Lesaffre*

Robert B. O'Hara (*Germany*) *page 37*

Bayesian variable selection and the (ab)use of
priors

12:05 – 13:05 **Contributed session 2** Chair: *Emmanuel Lesaffre*

Veronika Ročková (*the Netherlands*) *page 291*

Emmanuel Lesaffre Incorporating prior knowledge in Bayesian mod-
elling of sparse networks

Wolfgang Pöbnecker (*Germany*) *page 339*

Gerhard Tutz Variable selection for the multinomial logit model

Helga Wagner (*Austria*) *page 321*

Regina Tüchler Analysing living conditions in Austria by
a Bayesian mixed data model

MONDAY July 16

13:05 – 14:40

Lunch (Academic Club)

14:40 – 16:20 **Contributed session 3** Chair: *Claire Miller*

Deirdre Wall (*Ireland*) *page 369*

Carl Scarrott Identifying underlying structure in classification
John Newell and regression trees using surrogate splits
Helen Ingoldsby
Grace Callagy
Michael J. Kerin

Felix Heinzl (*Germany*) *page 153*

Gerhard Tutz Clustering in linear mixed models with Dirichlet
process mixtures using EM algorithm

Stanislav Nagy (*Czech Republic*) *page 233*

Nonparametric classification of noisy functions

Renate Meyer (*New Zealand*) *page 179*

Göran Kauermann Flexible modeling of multivariate data by mixtures
of Archimedean copulas

Philippe Lambert (*Belgium*) *page 185*

Nonparametric estimation of conditional
Archimedean copula

16:20 – 16:50

Coffee break

16:50 – 17:50 **Contributed session 4** Chair: *Jochen Einbeck*

Aimee N. Gott (*UK*) *page 141*

Idris A. Eckley Detecting aliasing in locally stationary textured
images

Antoine de Falguerolles (*France*) *page 93*

Cauchy, Prague and multiple regression

Gianluca Frasso (*Italy*) *page 135*

Paul H. C. Eilers Smoothing parameter selection using the L-curve

19:45 →

Welcome reception

Refectory of Faculty of Mathematics and Physics

Charles University in Prague

Malostranské náměstí 2/25, Malá Strana (Lesser Town)

TUESDAY July 17

9:00 – 10:20 **Contributed session 5** Chair: *Dimitris Rizopoulos*

Ana Moreira (*Portugal*) *page 215*

Luís Machado Conditional estimation of the bivariate distribution under dependent right censoring

Petr Novák (*Czech Republic*) *page 245*

Testing goodness-of-fit of the Accelerated Failure Time model with time-varying covariates

Il Do Ha (*South Korea*) *page 147*

Nicholos J. Christian A general subhazard frailty model for multi-center competing risks data
Jong-Hyeon Jeong
Youngjo Lee

Jixian Wang (*Switzerland*) *page 375*

Assessing surrogacy of progression free survival for overall survival: A multi-state model approach

10:20 – 10:50

Coffee break

10:50 – 11:50 **Invited talk 2** Chair: *Jeffrey S. Simonoff*

Thomas Kneib (*Germany*) *page 23*

Beyond mean regression

11:50 – 12:50 **Contributed session 6** Chair: *Jeffrey S. Simonoff*

Fabian Sobotka (*Germany*) *page 315*

Radoslava Mirkov Modeling flow in gas transmission networks using shape-constrained expectile regression
Benjamin Hofner
Paul H. C. Eilers
Thomas Kneib

Elisabeth Waldmann (*Germany*) *page 363*

Thomas Kneib Variational approximations in Bayesian geosadditive quantile regression

Andreas Mayr (*Germany*) *page 209*

Torsten Hothorn Fitting prediction intervals for BMI patterns in childhood by boosting quantile regression
Nora Fenske

TUESDAY July 17

12:50 – 15:40

POSTER SESSION + LUNCH BUFFET

(see further for the list of poster presentations)

15:40 – 17:20

Contributed session 7

Chair: *James Booth*

Dae-Jin Lee (*Australia*)

page 197

María Durbán

Seasonal modulation smoothing mixed models for times series forecasting

Cristiano Varin (*Italy*)

page 357

Annamaria Guolo

Marginal beta regression for time series analysis

David Moriña (*Spain*)

page 221

Pedro Puig

Autoregressive models with non-gaussian errors

Jordi Valero

Emanuele Del Fava (*Belgium*)

page 99

Ziv Shkedy

Mehreteab Fantahun Aregay

Geert Molenberghs

Modeling multivariate, overdispersed binomial data with additive and multiplicative random effects

Amparo Yovanna Castro-Sánchez (*Belgium*)

page 63

Marc Aerts

Ziv Shkedy

Peter Vickerman

Niel Hens

Inference for a dynamic model of HIV and HCV

17:20 – 17:50

Coffee break

17:50 – 19:10

Contributed session 8

Chair: *Carmen Armero*

Samuel Iddi (*Belgium*)

page 165

Geert Molenberghs

A joint marginalized multilevel model for longitudinal outcomes

Nirian Martín (*Spain*)

page 203

Leandro Pardo

Cook's distance in polytomous logistic regression

Karin Ayumi Tamura (*Brazil*)

page 327

Viviana Giampaoli

Comparison of prediction methods for mixed logistic regression

Ardo van den Hout (*UK*)

page 351

Jean-Paul Fox

Graciela Muniz

A longitudinal model for latent cognitive function

WEDNESDAY July 18

9:00 – 10:40 Contributed session 9 Chair: *Dimitrios Stasinopoulos*

Emmanuel Lesaffre (*the Netherlands/Belgium*) *page 279*

Reyhaneh Righthegaran Piecewise transition models with random effects
Iraj Kazemi for unequally-spaced measurements
Geert Verbeke
Wim de Kort

Ekaterina Ogurtsova (*Germany*) *page 251*

Estimation of multi-state model parameters from
panel data: A comparison of different methods

Célia Touraine (*France*) *page 333*

Pierre Joly Predictions from a Markov illness-death model:
Application to dementia disease

Jonathan Jaeger (*Belgium*) *page 171*

Philippe Lambert Bayesian ODE-penalized B-spline model with
Gaussian mixture as error distribution

Jochen Einbeck (*UK*) *page 117*

Benjamin J. Isaac Penalized regression on principal manifolds with
Ludger Evers application to combustion modelling
Alessandro Parente

10:40 – 11:10

Coffee break

11:10 – 12:10 Invited talk 3 Chair: *Guadalupe Gómez*

M. Luz Calle (*Spain*) *page 3*

Statistical challenges in modelling disease risk
from multiple genotypes

12:10 – 12:25

Lunch (take away)

12:30 →

Excursion

(a) Karlštejn castle

(b) Karlštejn → Svatý Jan pod Skalou

THURSDAY July 19

9:00 – 10:40 **Contributed session 10** Chair: *Vito M. R. Muggeo*

Iain Proctor (*UK*) *page 269*

Rognvald I. Smith Fine-scale downscaling of environmental covariates in biodiversity modelling
E. Marian Scott

Konstantinos Perrakis (*Belgium*) *page 263*

Dimitris Karlis Poisson mixture regression for Bayesian inference on large over-dispersed transportation origin-destination matrices
Mario Cools
Davy Janssens
Geert Wets

Chellafe Ensoy (*Belgium*) *page 123*

Christel Faes A dynamic spatio-temporal model to investigate the effect of movements of animals on the spreading of Bluetongue BTV-8 in Belgium
Marc Aerts

Francesco Finazzi (*Italy*) *page 129*

A statistical model for spatial point aggregated data. The geostatistical potential model

Maria Oliveira Perez (*Spain*) *page 257*

Rosa M. Crujeiras Nonparametric circular density for temperature cycles
A. Rodríguez-Casal

10:40 – 11:10

Coffee break

11:10 – 12:10 **Invited talk 4** Chair: *Philippe Lambert*

Michal Kulich (*Czech Republic*) *page 33*

Arnošt Komárek Estimating cross-sectional incidence from biological markers
Marek Omelka

12:10 – 12:40 **SMS AGM & IWSM'28 advertisement**

Jutta Gampe (*Statistical Modelling Society Executive Committee*)
Annual General Meeting of the Statistical Modelling Society

Vito M. R. Muggeo (*IWSM'28 Local Organizing Committee*)
Advertisement IWSM'28, July 8–12, 2013, Palermo (Italy)

12:40 – 14:10

Lunch (Academic Club)

THURSDAY July 19

14:10 – 15:50	Contributed session 11	Chair: <i>Joseph Lang</i>
Carlo Giovanni Camarda (<i>Germany</i>)		<i>page 57</i>
Paul H. C. Eilers Jutta Gampe	Additive decomposition of vital rates from grouped data	
Iain D. Currie (<i>UK</i>)		<i>page 87</i>
	Forecasting with the age-period-cohort model?	
Gillian Z. Heller (<i>Australia</i>)		<i>page 159</i>
Maurizio Manuguerra	Ordinal regression models for continuous scales	
Gerhard Neubauer (<i>Austria</i>)		<i>page 239</i>
	Statistical models for deficient count data	
Linda M. Haines (<i>South Africa</i>)		<i>page 275</i>
Leendert Punt Christien Thiart	Modelling the movement of dusky kob in the Sundays River	
15:50 – 16:20	<i>Coffee break</i>	
16:20 – 18:00	Contributed session 12	Chair: <i>Jutta Gampe</i>
Michael G. Schimek (<i>Austria</i>)		<i>page 303</i>
Marcus Bloice	Modelling the rank order of Web search engine results	
Joseph B. Lang (<i>USA</i>)		<i>page 191</i>
	Upon closer inspection. . . Testing in comparative experiments	
Juliana Cobre (<i>Brazil</i>)		<i>page 69</i>
Francisco Louzada Mário de Castro Gleici Perdoná Fernanda M. Peria	Estimates of lymph nodes metastasis rates and treatment effectiveness under two latent activation schemes	
Leonardo Grilli (<i>Italy</i>)		<i>page 51</i>
Francesco Bartolucci Luca Pieroni	Latent class inverse probability weighting to estimate causal effects of sequential treatments under unobserved confounding	
Chaitanya Joshi (<i>New Zealand</i>)		<i>page 177</i>
Daniel C. Laughlin Peter M. Van Bodegom Zachary A. Bastow Peter Z. Fulé	Modeling trait based ecological community assembly	
20:00 →	<i>Conference dinner</i>	
Restaurant and Beerhouse Vojanův dvůr U Lužického semináře 119/21, Malá Strana (Lesser Town)		

FRIDAY July 20

9:00 – 9:20 SAS special session Chair: *Petr Mazouch*

SAS Institute ČR (*Czech Republic*)

Don't be a SAS Dinosaur: ODS Statistical Graphics

For almost 40 years, SAS has been recognised as the golden industry standard statistical software package. During many years of development, numerous statistical SAS PROCedures were added or improved and new methods and algorithms were incorporated into the software. One of the last major improvements, SAS ODS Statistical Graphics released with SAS 9.3 in 2011, is likely to change and simplify the way you use SAS for your data exploration and analysis. . .

9:30 – 10:30 Contributed session 13 Chair: *Ardo van den Hout*

Susana Conde (*Ireland*)

page 81

Gilbert MacKenzie

Model selection in sparse contingency tables: LASSO penalties vs classical methods

Susan R. Wilson (*Australia*)

page 381

Assessment of model stability for high-dimensional data with applications to complex genomic data

Sabine K. Schnabel (*the Netherlands*)

page 309

Fred A. van Eeuwijk

Paul H. C. Eilers

Modeling latent curves for genotype by environment interaction

10:30 – 11:00

Coffee break

11:00 – 12:00 Invited talk 5

Chair: *Brian Marx*

Paul H. C. Eilers (*the Netherlands*)

page 11

Composite link, the neglected model

12:00 – 13:00 Contributed session 14

Chair: *Brian Marx*

Sabrina Giordano (*Italy*)

page 105

Filippo Domma

A measure of household financial fragility

Enrico A. Colosimo (*Brazil*)

page 75

Gustavo L. Gilardoni

Maristela D. Oliveira

Heterogeneity identification of repairable systems

Vito M. R. Muggeo (*Italy*)

page 227

Smoothed score confidence interval for the breakpoint in segmented regression

13:00 – 13:15

Bye bye IWSM'27

13:15 – 14:15

Lunch (Academic Club)

POSTER SESSION CONTRIBUTIONS

Ariel Alonso Abad (<i>the Netherlands</i>)	01
Misspecified random effects distribution in non-linear mixed models with linear random effects	
Leila D. A. F. Amorim (<i>Brazil</i>)	02
Raydonal Ospina	prLogistic: An R package for estimating prevalence ratios using logistic models
Manoochehr Babanezhad (<i>Iran</i>)	03
Matrix correlation and matrix cross spectrum of mismeasured multivariate time series	
Irantzu Barrio (<i>Spain</i>)	04
Inmaculada Arostegui María-Xosé Rodríguez Álvarez Jose María Quintana	Location of optimal cut-points to categorize continuous variables in clinical studies
Giovanni Boscaino (<i>Italy</i>)	05
Giada Adelfio Vincenza Capursi	Regression quantiles to assess higher education performance
Kevin Burke (<i>Ireland</i>)	06
Gilbert MacKenzie	Multi-parameter regression survival models
Norziha Che Him (<i>UK</i>)	07
Trevor C. Bailey David B. Stephenson	Climate variability and dengue incidence in Malaysia
Christian Pfeifer (<i>Austria</i>)	08
Achim Zeileis	Trend analysis of snow avalanche accidents in Tyrol within the years 1989-2010
Marco Costa (<i>Portugal</i>)	09
Magda Monteiro A. Manuela Gonçalves	Kalman filtering approach in the calibration of radar rainfall data
Jalila Daoudi (<i>Spain</i>)	10
Modeling operational risk losses	
Chrysoula Dimitriou-Fakalou (<i>UK</i>)	11
The $(\mathbb{Z}^d \times \mathbb{Z})$ spatial-temporal Auto-Linear-Auto-Regressive model	
Denise Duarte (<i>Brazil</i>)	12
Weccsley Prates Enrico Colosimo	The sample signature of probabilistic context trees with an application to Linguistics
Marek Omelka (<i>Czech Republic</i>)	13
ANOSIM test revisited	

POSTER SESSION CONTRIBUTIONS

Jochen Einbeck (<i>UK</i>)		14
Antony Lawson	Generative linear mixture modelling	
Manuela Ender (<i>China</i>)		15
Lu Zong	Analysis of temperature-based weather derivatives in mainland China: Pricing and simulation	
Veronika Fensterer (<i>Germany</i>)		16
Helmut Küchenhoff	Measurement error in the personal exposure to air pollution	
Josef Cyrus		
Susanne Breitner		
Alexandra Schneider		
Mike Pitz		
Jianwei Gu		
Annette Peters		
Rosemeire Fiaccone (<i>Brazil</i>)		17
Robin Henderson	Correlated frailty model for multivariate longitudinal count data	
Leila D. A. F. Amorim		
Patrícia A. Filipe (<i>Portugal</i>)		18
Dulce Gomes	Delay in diagnosis of pulmonary tuberculosis in Portugal	
Carla Nunes		
Marília Silva		
Bruno de Sousa		
Teodoro Briz		
Adelaide Freitas (<i>Portugal</i>)		19
Sara Roque	A comparison of several background correction and normalization methods on microarray data	
Irene García Garrido (<i>Spain</i>)		20
J. Linares-Pérez	Recursive linear estimation from multi-sensor observations with correlated uncertainties	
R. Caballero-Águila		
Kathakali Ghosh Mukherjee (<i>UK</i>)		21
Claire Miller	A flexible regression framework for TMS-EEG signals	
Adrian W. Bowman		
Gregor Thut		
Gustavo L. Gilardoni (<i>Brazil</i>)		22
Maristela D. Oliveira	Bootstrap confidence intervals for the optimal maintenance time of a repairable system	
Enrico A. Colosimo		
A. Manuela Gonçalves (<i>Portugal</i>)		23
Marco Costa	Water monitoring sites discrimination using clustering water variables time series data and main latent factors identification	

POSTER SESSION CONTRIBUTIONS

Sargon Hasso (<i>Australia</i>)	24
Kenan M. Matawie	Refined information retrieval and frequency distribution
Radek Hendrych (<i>Czech Republic</i>)	25
	Conditional correlation modelling: Simulation study
Chiu-Hsieh Hsu (<i>USA</i>)	26
Qi Long Yisheng Li Elizabeth Jacobs	A robust nearest neighbor-based multiple imputation approach for data with missing covariate values
Šárka Hudcová (<i>Czech Republic</i>)	27
Michal Pešta	Generalized estimating equations in claims reserving
Nikola Kaspříková (<i>Czech Republic</i>)	28
	Application of text mining for media analysis
André Klima (<i>Germany</i>)	29
Helmut Küchenhoff Paul W. Thurner	Effects of different spatial modeling: Ruralisation of the NSDAP in the Weimar Republic?
Maria Králová (<i>Czech Republic</i>)	30
Alena Klapalová Juraj Šiška	Corporate financial performance and its predictors
Annouschka Laenen (<i>Belgium</i>)	31
	Model uncertainty and multimodal inference in reliability estimation
Emilio Letón (<i>Spain</i>)	32
Elisa M. Molanes-López	Multivariate copula models in ROC analysis
Antonio Jesús López-Montoya (<i>Spain</i>)	33
M. L. Gámiz-Pérez	Semi-parametric regression models with reliability data
Mónica López-Ratón (<i>Spain</i>)	34
Carmen Cadarso-Suárez Elisa M. Molanes-López Emilio Letón	Inference of the symmetry point with different costs for the specificity and sensitivity
Larissa A. Matos (<i>Brazil</i>)	35
Marcos O. Prates Ming H. Chen Victor H. Lachos	Likelihood based inference for linear and non-linear mixed-effects models with censored response using the multivariate t distribution

POSTER SESSION CONTRIBUTIONS

Claire Miller (<i>UK</i>)		36
Jude Eze	Modelling the association between bathing water quality and gastrointestinal illness in South West Scotland	
E. Marian Scott		
Kevin Pollock		
Ruth Stidson		
Duncan Lee		
Radoslava Mirkov (<i>Germany</i>)		37
Holger Thomae	Modeling and forecasting customer behavior for revolving credit facilities	
Michael Feist		
Thomas Maul		
Gordon Gillespie		
Bastian Lie		
Elisa M. Molanes-López (<i>Spain</i>)		38
Juan Romo	Multiple testing based on depth	
Daniel Alberto Molinari (<i>UK</i>)		39
Ludger Evers	Smoothing parameter selection for spatiotemporal models with application to the analysis of contaminants in groundwater	
Adrian W. Bowman		
Ana Moreira (<i>Portugal</i>)		40
Artur Agostinho Araújo	Estimation of the bivariate distribution function: A comparative study	
Luís Machado		
Werner G. Müller (<i>Austria</i>)		41
Markus Hainy	Simulation-based D_B -optimal designs: Conception and implementation issues	
Helga Wagner		
Chenjerai Kathy Mutambanengwe (<i>Belgium</i>)		42
Christel Faes	Spatial regression of quantiles based on parametric distributions	
Marc Aerts		
Ainhoa Oguiza (<i>Spain</i>)		43
Inmaculada Gallastegui	Analysis of pseudo-panel data with dependent samples	
Vicente Núñez-Antón		
Maristela Dias de Oliveira (<i>Brazil</i>)		44
Enrico A. Colosimo	Bayesian inference for power law processes with applications in repairable systems	
Gustavo L. Gilardoni		
Samuel Oman (<i>Israel</i>)		45
	Shrinkage estimation when calibrating in the presence of random effects	

POSTER SESSION CONTRIBUTIONS

Martin Otava (<i>Belgium</i>)	46
Adetayo Kasim Ziv Shkedy Dan Lin Bernet S. Kato	Bayesian variable selection method for modeling dose-response microarray data under simple order restrictions
Valentin Patilea (<i>France</i>)	47
César Sánchez-Sellero Matthieu Saumard	Projection-based nonparametric checks of regressions with functional covariates
Lisandra Rocha (<i>Portugal</i>)	48
Ana Borges Inês Sousa Raquel Menezes	Fixed effects versus random effects in a longitudinal study: A simulation study
Charles Rohde (<i>USA</i>)	49
	Standard statistics as likelihood statements
Erlis Ruli (<i>Italy</i>)	50
Laura Ventura	Bayesian approximation methods for pseudo-posterior distributions in the presence of nuisance parameters
Cibele M. Russo (<i>Brazil</i>)	51
Emmanuel Lesaffre Gilberto A. Paula	A penalized elliptical mixture partially nonlinear mixed effects model
Marc Saez (<i>Spain</i>)	52
Annibale Biggeri Dolores Catelan Maria Antònia Barceló Laura Grissoto Alberto Allepuz	Methods to control for the concavity in spatial ecological regressions (IneqCities project)
Bruno R. Santos (<i>Brazil</i>)	53
Silvia N. Elian	Analysis of residuals in quantile regression: An application to income data in Brazil
Gunther Schauburger (<i>Germany</i>)	54
Gerhard Tutz	Effect stars for categorical response models
Linda Schulze Waltrup (<i>Germany</i>)	55
Göran Kauermann Fabian Sobotka Thomas Kneib	Comparing the estimation of expectiles and quantiles towards efficiency
Ali Sheikhī (<i>Ireland</i>)	56
David Ramsey	A likelihood ratio test for detection of single nucleotide polymorphisms (SNPs)

POSTER SESSION CONTRIBUTIONS

Giovana O. Silva (<i>Brazil</i>)	57
Edwin M. M. Ortega Gauss M. Cordeiro	Log-Beta modified Weibull regression models in survival analysis
Katia Stefanova (<i>Australia</i>)	58
	Factor analytic mixed models with inclusion of pedigrees in the analysis of plant breeding trials
Ewa Strzalkowska-Kominiak (<i>Spain</i>)	59
Elisa M. Molanes-López Emilio Letón	Estimation of the conditional distribution of two censored gap times based on a nonparametric approach
Anatoli Torokhti (<i>Australia</i>)	60
Stanley Miklavcic	Robust estimation of large data sets by piecewise-linear interpolating estimator
A. Alexandre Trindade (<i>USA</i>)	61
Robert L. Paige	Saddlepoint-based bootstrap inference in para- metric and semiparametric models
Jan van de Kasstele (<i>the Netherlands</i>)	62
Jan van de Eijkeren Jacco Wallinga	Age and sex specific social contact patterns stratified by location and day of the week
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WELCOME RECEPTION

Welcome reception is offered to all registered participants and official accompanying persons in **the Refectory of Faculty of Mathematics and Physics, Charles University in Prague** on Monday, **July 16 from 19:45**. To be allowed to enter the reception area, please, present your conference badge.

The address of the building is *Malostranské náměstí 2/25 (the Lesser Town Square), Malá Strana (Lesser Town), Prague 1*. It lies within sight from the tram stop *Malostranské náměstí*.

To get there.

- *By foot*: The distance from the conference venue is approximately 3 km. Follow *Seifertova, Hybernská, Celetná* streets to *Staroměstské náměstí (the Old Town Square)* where you can take a look at the Astronomical Clock (try to be there on the full hour). Then follow main touristic streams through the *Karlova* street to *Karlův most (Charles Bridge)*. From the Charles Bridge take the *Mostecká* street to *Malostranské náměstí (Lesser Town Square)*. The building of the Faculty of Mathematics and Physics is right to the St. Nicolas church.
- *Public transport (several options)*:
 1. Take tram no. 9 (direction *Sídliště Řepy*) from *Husinecká* stop for seven stops to *Národní divadlo (the National Theatre)* stop. There change to tram no. 22 (direction *Bílá Hora*) and take it for three stops to *Malostranské náměstí (the Lesser Town Square)* stop. Both trams 9 and 22 operate with an interval less than 10 minutes and the total travel time is about 20 minutes.
 2. Take whatever option described for the way to the conference dinner to get to *Malostranská* tram stop/metro station. From there, either walk for 5–10 minutes (about 600 m) through *Letenská* street or take trams no. 12 (direction *Sídliště Barrandov*), no. 20 (direction *Sídliště Barrandov*), or no. 22 (direction *Kubánské náměstí*) for one stop to *Malostranské náměstí (the Lesser Town Square)* stop.

CONFERENCE DINNER

Conference dinner takes place in a **Restaurant and Beerhouse Vojanův dvůr** on Thursday, **July 19 from 20:00**. Please, present your dinner ticket when entering the restaurant.

The address of the restaurant is *U Lužického semináře 119/21, Malá Strana (Lesser Town), Prague 1*. It lies about 2 minutes walk from the tram stop/metro A station *Malostranská*.

To get there.

- *By foot*: The distance from the conference venue is approximately 3 km. Get to *Karlův most (Charles Bridge)* (taking the same route as when walking to the welcome reception). After crossing the Charles Bridge, turn right into *U Lužického semináře* street. The restaurant is located almost at the end of the street on the left hand side.
- *Public transport (several options)*:
 1. Take tram no. 5 (direction *Výstaviště*) or no. 26 (direction *Palmovka*) from *Husinecká* stop for three stops to *Náměstí Republiky* stop. There change to tram no. 8 (direction *Divoká Šárka*) and take it for three stops to *Malostranská* stop.
 2. Take tram no. 9 (direction *Sídlíště Řepy*) from *Husinecká* stop for seven stops to *Národní divadlo (the National Theatre)* stop. There change to tram no. 18 (direction *Petřiny*) and take it for three stops to *Malostranská* stop. Tram no. 18 first follows the river and crosses it after some time through *Mánesův most (the Mánes Bridge)*.
 3. Take tram no. 9 (direction *Sídlíště Řepy*) from *Husinecká* stop for seven stops to *Národní divadlo (the National Theatre)* stop. There change to tram no. 22 (direction *Bílá Hora*) and take it for four stops to *Malostranská* stop (one stop further compared to the stop used when going to the welcome reception). Tram no. 22 immediately crosses the river through *Most legií* and then goes through *the Lesser Town*.
 4. Take tram no. 9 (direction *Sídlíště Řepy*) from *Husinecká* stop for three stops to *Václavské náměstí (Wenceslav Square)*. There change to metro A (green) line (station *Můstek*) and take it for two stops (direction *Dejvická*) to *Malostranská* station.

For most options, the travel time is slightly less than 20 minutes.

INTERNET CONNECTION

Two wireless (wifi) options are available to conference participants to connect to the internet in the venue building of the University of Economics.

1. The eduroam (**education roaming**) network is available to participants who have access to this network through their institutions participating in this project (currently about 5 500 institutions from 54 countries world wide).
2. The conference network is available to all IWSM participants. Each participant can find his/her unique login details on the cover of this programme booklet. To connect to the network, please, follow the following steps.
 - (a) Find the wireless network with the SSID `conference` and make a connection. It is assigned an IP address from the range 172.17.xx.
 - (b) Open an internet browser and enter the url address of any existing webpage. You will be automatically redirected to the login page where you enter your unique login name and a password.
 - (c) After successfully entering the user name and a password, a new window will be displayed that notifies you that you are connected to the network.

Frequent complications that prevent successful internet connection through the `conference` network include:

- The wireless adapter is not set up to assign IP address from a DHCP server.
- The browser has a proxy server.