

The 59th World Statistics Congress of the International Statistical Institute

Detailed Programme

The list of the paper of the Invited Paper Sessions (IPS), Special Topic Sessions (STS) and Contributed Paper / Poster Sessions (CPS) are provided below:

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26 August 2013

Session Code / Date [Time]	Venue	Session / Paper
IPS001 26 August 2013 [09:00 - 11:15]	Convention Hall C	Probabilistic and statistical contributions in climate research
		<p>Organiser : <i>Naveau, Philippe</i></p> <p>Chair : <i>Kleiber, William</i></p> <p>Paper 1: Modelling of extreme rainfall in space and time <i>Anthony C. Davison, R. Huser</i></p> <p>Paper 2: A multi-site hourly precipitation weather generator based on a frailty-contagion approach <i>Erwan Koch</i></p> <p>Discussant(s) : -</p>
IPS002 26 August 2013 [09:00 - 11:15]	Room S421	Improving health statistics in the context of measuring quality of life
		<p>Organiser : <i>De Smedt, Marleen</i></p> <p>Chair : <i>De Smedt, Marleen</i></p> <p>Paper 1: The role of statistics on health status in the context of measuring QoL <i>Jennifer Madans</i></p> <p>Paper 2: Selecting indicators for the health dimension in measuring QoL <i>Michael Wolfson</i></p> <p>Paper 3: Methods and materials of health expectancy <i>Yasuhiko Saito</i></p> <p>Paper 4: The role of HIS/HES/DIS for measuring the health dimension <i>Mika Gissler, Antti Tuomi-Nikula</i></p> <p>Discussant(s) : <i>Vassenden, Elisabetta</i></p>

Session Code / Date [Time]	Venue	Session / Paper
IPS003 26 August 2013 [09:00 - 11:15]	Theatre 1	<p>Statistical challenges for the analysis of social networks</p> <p>Organiser : <i>Saporta, Gilbert</i></p> <p>Chair : <i>Saporta, Gilbert</i></p> <p>Paper 1: Estimating network degree distributions from sampled networks: An inverse problem <i>Eric D. Kolaczyk, Yaonan Zhang, Bruce D. Spencer</i></p> <p>Paper 2: Community detection and learning in social networks <i>Emmanuel Viennet</i></p> <p>Paper 3: Perpendicular latent space models for multiview network data <i>Tyler H. McCormick, Michael Salter-Townshend</i></p> <p>Discussant(s) : <i>Zheng, Tian</i></p>
IPS004 26 August 2013 [09:00 - 11:15]	Convention Hall B	<p>New developments in multilevel model inference from complex sample survey data</p> <p>Organiser : <i>Rao, J.N.K.</i></p> <p>Chair : <i>Scott, Alastair John</i></p> <p>Paper 1: Empirical bias corrections for fitting multilevel models under informative sampling <i>Solange Correa Onel, Danny Pfeffermann</i></p> <p>Paper 2: Multivariate hierarchical normal modelling under informative sampling <i>Pedro Luis do Nascimento Silva, Fernando Antonio Da Silva Moura</i></p> <p>Paper 3: A composite likelihood approach to analysis of survey data with sampling weights incorporated under two-level models <i>Grace Y. Yi, J.N.K. Rao, Haocheng Li</i></p> <p>Discussant(s) : <i>Skinner, Chris J.</i></p>
IPS005 26 August 2013 [09:00 - 11:15]	Convention Hall A	<p>Issues related to major redesigns in national statistical offices</p> <p>Organiser : <i>Tian, Xiuhua</i></p> <p>Chair : <i>Fung, Hing-wang</i></p> <p>Paper 1: Issues related to major redesigns in national statistical offices <i>Peter Morrison</i></p> <p>Paper 2: Redesign in a statistical office - Sociodemographic statistics in the Office for National Statistics <i>Paul A. Smith</i></p> <p>Paper 3: Innovations in Australia's social statistics information program</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Gemma Van Halderen, Eric Morris</i> Paper 4: Design and implementation of the Integrated Business Survey in China <i>Xiuhua Tian</i> Discussant(s) : <i>Braaksma, Barteld</i></p>
IPS006 26 August 2013 [09:00 - 11:15]	Room S228	<p>Statistical methods in the study of palaeoclimate Organiser : <i>Li Bo , Haslett John</i> Chair : <i>Haslett, John</i> Paper 1: Paleoclimate reconstruction using statistical nonlinear forward models <i>Peter F. Craigmile, Martin P. Tingley, Jiangyong Yin</i> Paper 2: Bayesian palaeoclimate inference from pollen in Southern Italy <i>Andrew C. Parnell, James Sweeney, Think K. Doan, Michael Salter-Townshend, Judy R.M. Allen, Brian Huntley, John Haslett</i> Discussant(s) : <i>Switzer, Paul</i></p>
IPS007 26 August 2013 [09:00 - 11:15]	Room S428	<p>Improving agricultural statistics through methodological validation and research Organiser : <i>Carletto, Calogero</i> Chair : <i>Vogel, Frederic A.</i> Paper 1: From Guesstimates to GPStimates: Land area measurement and implications for agricultural analysis <i>Calogero Carletto, Sydney Gourlay, Paul Winters</i> Paper 2: Assessing the effect of slope and weather conditions on area measurement using GPS <i>Naman Keita</i> Paper 3: Missing(ness) in action: Selectivity bias in GPS-based land area measurements <i>Talip Kilic, Alberto Zezza, Calogero Carletto, Sara Savastano</i> Paper 4: Milking the data: Measuring household milk production in extensive livestock systems. Experimental evidence from Niger <i>Alberto Zezza, Giovanni Federighi, Calogero Carletto</i> Discussant(s) : -</p>
IPS060 26 August 2013 [09:00 - 11:15]	Room S427	<p>Developing undergraduate curricula for statistical workplaces now and future Organiser : <i>Wild, Chris J.</i> Chair : <i>Wild, Chris J.</i> Paper 1: On broadening statistics curricula</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Deborah Nolan</i></p> <p>Paper 2: Training undergraduates for successful employment in a changing environment <i>Murray Cameron, Stephen Bush</i></p> <p>Paper 3: Statistical curricula development at the University of Hong Kong <i>Philip Leung Ho Yu, Wai Keung Li</i></p> <p>Discussant(s) : <i>MacGillivray, Helen Louise</i></p>
IPS093 26 August 2013 [09:00 - 11:15]	Theatre 2	<p>Latest development and issue of government statistics</p> <p>Organiser : <i>Xu, Yipin</i></p> <p>Chair : <i>Xian, Zude</i></p> <p>Paper 1: Challenges encountered in developing new area of official statistics in Hong Kong <i>Leslie Wai-Kong Tang</i></p> <p>Paper 2: Implications of the financial and economic crisis on the European statistical system <i>Konrad Pesendorfer</i></p> <p>Paper 3: Main changes in the official statistical production process of China <i>Ronghua Xu</i></p> <p>Discussant(s) : <i>Cheung, Paul</i></p>
STS003 26 August 2013 [09:00 - 11:15]	Room S223	<p>The LAD methods and their statistical inferences</p> <p>Organiser : <i>Dodge, Yadolah</i></p> <p>Chair : <i>Hlubinka, Daniel</i></p> <p>Paper 1: Building an efficient median <i>Stephan Morgenthaler</i></p> <p>Paper 2: Profiles of atmospheric radiation: Quantile regression of profiles in time <i>Jaromir Antoch, Daniel Hlubinka</i></p> <p>Paper 3: A robust test for regression coefficients using L1-norm <i>Hans Nyquist</i></p> <p>Paper 4: Adaptive combination of LSE and LAD in the asymmetric models <i>Yadolah Dodge, Jana Jureckova</i></p> <p>Discussant(s) : -</p>
STS004 26 August 2013 [09:00 - 11:15]	Room S423	<p>Multivariate non-parametric methods with applications to high dimensional data</p> <p>Organiser : <i>Ghosh Anil K. , Liu, Regina</i></p> <p>Chair : <i>Liu, Regina</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 1: Supervised dimension reduction based on scatter matrices <i>Hannu Oja, Liski Eero, Nordhausen Klaus</i></p> <p>Paper 2: Spatial distributions in Banach spaces and related depths and quantiles <i>Anirvan Chakraborty, Probal Chaudhuri</i></p> <p>Paper 3: Resistant estimates for high dimensional and functional data based on random projections <i>Ricardo Fraiman, Marcela Svarc</i></p> <p>Paper 4: Nonparametric statistical process control charts for high dimensional data <i>Jun Li</i></p> <p>Paper 5: A nonparametric two-sample test applicable to high dimensional data <i>Anil K. Ghosh, Munmun Biswas</i></p> <p>Discussant(s) : <i>Hubert, Mia</i></p>
<p>STS032 26 August 2013 [09:00 - 11:15]</p>	<p>Room S425</p>	<p>Energy statistics</p> <p>Organiser : <i>Blumberg, Carol Joyce</i></p> <p>Chair : <i>Cohen, Michael P.</i></p> <p>Paper 1: Importance sampling for the reliability evaluation with a stochastic computer model <i>Youngjun Choe, Eunshin Byon, Vijay N. Nair, Nan Chen</i></p> <p>Paper 2: Using complex surveys to estimate the L1-median of a functional variable: Application to electricity load curves <i>Camelia Goga, Mohamed Chaouch</i></p> <p>Paper 3: Optimal combined forecasts for electricity prices: Influence of clean energies <i>Eduardo Caro, Carolina García-Martos, María Jesús Sánchez</i></p> <p>Paper 4: Some interesting statistics problems arising from analyses of energy data from surveys <i>Carol Joyce Blumberg</i></p> <p>Discussant(s) : <i>Ljones, Olav</i></p>
<p>STS033 26 August 2013 [09:00 - 11:15]</p>	<p>Room S222</p>	<p>Branching processes and related fields: Theory and applications</p> <p>Organiser : <i>Gonzalez, Miguel</i></p> <p>Chair : <i>Gutiérrez Pérez, Cristina</i></p> <p>Paper 1: Fluid approximation and a time change for an evolution model <i>Fima C. Klebaner, Kais Hamza, Haya Kaspi</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 2: Branching random walks and their applications to population studies <i>Elena B. Yarovaya</i></p> <p>Paper 3: Branching processes evolving in asynchronous environments <i>Vladimir Vatutin, Quansheng Liu</i></p> <p>Paper 4: Controlled branching processes: Applications in biology <i>Miguel González, Rodrigo Martínez, Inés María Del Puerto, Cristina Gutiérrez</i></p> <p>Paper 5: The age structure of population-dependent general branching processes in environments with a high carrying capacity <i>Kais Hamza, Peter Jagers, Fima C. Klebaner</i></p> <p>Discussant(s) : <i>del Puerto, Ines Maria</i></p>
<p>STS036 26 August 2013 [09:00 - 11:15]</p>	<p>Room S225</p>	<p>Statistical machine learning theory</p> <p>Organiser : <i>Christmann, Andreas</i></p> <p>Chair : <i>Christmann, Andreas</i></p> <p>Paper 1: Statistical analysis of learning with minimum error entropy criterion <i>Ding-Xuan Zhou</i></p> <p>Paper 2: On learning data representation <i>Lorenzo Rosasco, Guillermo D. Canas</i></p> <p>Paper 3: Approximation with multiscale kernels <i>Holger Wendland</i></p> <p>Paper 4: Qualitative robustness of bootstrap approximations for kernel based methods <i>Matias Salibian-Barrera, Andreas Christmann, Stefan Van Aelst</i></p> <p>Paper 5: Kernel two-sample and independence tests <i>Arthur Gretton</i></p> <p>Discussant(s) : <i>Yao, Yuan</i></p>
<p>STS068 26 August 2013 [09:00 - 11:15]</p>	<p>Room S424</p>	<p>Analysis of high-dimensional data and graphs</p> <p>Organiser : <i>Trincherá, Laura</i></p> <p>Chair : <i>Russolillo, Giorgio</i></p> <p>Paper 1: New challenges for (biological) network inference with sparse Gaussian graphical models <i>Julien Chiquet</i></p> <p>Paper 2: Modeling and prediction of financial trading networks: A case study in the NYMEX natural gas futures market</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Abel Rodriguez, Brenda Betancourt, Naomi Boyd</i> Paper 3: Adaptive generalized fused-lasso: Asymptotic properties and applications <i>F. Picard, V. Viallon, S. Lambert-Lacroix, H. Hoefling</i> Paper 4: Global criteria for sparse penalized partial least squares <i>Alfred O. Hero, Tzu-Yu Liu, Laura Trinchera, Arthur Tenenhaus, Dennis Wei</i> Paper 5: Dynamic patterns analysis meets social network analysis in the modeling of financial market behavior <i>Caterina Liberati, Paola Zappa</i> Discussant(s) : <i>Esposito Vinzi, Vincenzo</i></p>
<p>STS081 26 August 2013 [09:00 - 11:15]</p>	<p>Room S226</p>	<p>Measuring domestic and international inflation Organiser : <i>Fournier, Jacques</i> Chair : <i>Fournier, Jacques</i> Paper 1: Measuring core inflation for Lebanon <i>Sana Souaid Jad</i> Paper 2: The impact of global commodity prices on inflation in Malaysia <i>Kue-Peng Chuah, Eilyn Chong, Jay-Sern Tan</i> Paper 3: Discussion on inflation measurement by the Irving Fisher Committee on Central Bank Statistics <i>Christian Dembiermont</i> Paper 4: Introduction of a survey on inflation outlook of firms in the bank of Japan's "short-term economic survey of enterprises in Japan" <i>Masahiro Higo, Hidenori Tanaka</i> Paper 5: Assessing the measurement of inflation expectations under South African inflation targeting <i>Nonhlanhla Nhlapo</i> Discussant(s) : <i>Hennings, Katherine</i></p>
<p>CPS007 26 August 2013 [09:00 - 11:15]</p>	<p>Room S426</p>	<p>Statistical education Organiser : - Chair : <i>Ho, Frederick W.H.</i> Paper 1: Utilizing a construct of teacher capacity to examine national curriculum reform in statistical thinking: A comparative study between China and Australia <i>Qinqiong Zhang, Li Tan, Max Stephens</i> Paper 2: Development of elementary school teachers'</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>self-regulated learning scale <i>Meng Meng, Daoling Fu</i></p> <p>Paper 3: Empirical research on the model of elementary school mathematics teaching materials' difficulty <i>Qing-You Cai</i></p> <p>Paper 4: Study of the determinants of the demand for schooling in Cameroon <i>Tsakou Nazel Georges</i></p> <p>Paper 5: Census at school: Gathering real data from and about school students in elementary school in Greece <i>Evanthis Chatzivasileiou, Ioannis Michalis, Christina Tsaliki, Apostolia Gioupsani</i></p> <p>Paper 6: Issues and challenges of statistical literacy in higher education <i>Peter Kovacs</i></p> <p>Paper 7: Visualization of "states" in online educational games <i>Juergen Symanzik, Ani Aghababyan, Taylor Martin</i></p> <p>Discussant(s) : -</p>
<p>CPS008 26 August 2013 [09:00 - 11:15]</p>	<p>Room S224</p>	<p>Applications of statistics: Others (3)</p> <p>Organiser : -</p> <p>Chair : <i>Yau, Chun Yip</i></p> <p>Paper 1: Challenges of robust statistical characterization using digital image correlation technique for structural applications <i>Mark R. Gurvich</i></p> <p>Paper 2: A new multiple discrete-continuous choice model for percentage-based data <i>Xiaoling Lu, Xin Wang, Hing-Po Lo</i></p> <p>Paper 3: Systematic approach to seasonal adjustment of time series data: Methods and example <i>Chuanzhong Sun</i></p> <p>Paper 4: Determinants of child work in Cameroon: Taking into account non-linearity of the income and the space dependence <i>Jean Faustin Kaffo, Christophe Kana Kenfack, Celestin Chameni Nembua</i></p> <p>Paper 5: Evaluating students' correlation graphing capability using SOLO taxonomy <i>Ken W. Li, Merrilyn Goos</i></p> <p>Paper 6: A study on statistical human joint models with application to the long-distance running</p>

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		<p><i>Kosuke Okusa, Toshinari Kamakura</i> Paper 7: Informal inferential reasoning using computer-based simulations to model statistical questions <i>Theodosia Prodromou</i> Paper 8: The reverse dimple in space-time covariance models <i>Ali Mohammadian Mosammam</i> Discussant(s) : -</p>
<p>CPS031 26 August 2013 [09:00 - 11:15]</p>	<p>Room S429</p>	<p>Participants sponsored by World Bank Fund (I) Organiser : - Chair : <i>Wat, K.P.</i> Paper 1: Comparison of some selected values of the constants of Basit and Shahbaz selection procedure under unequal probability sampling without replacement <i>Omotola Omotayo Dawodu</i> Paper 2: Variable selection with the modified Buckley-James method and the Dantzig selector for high-dimensional survival data <i>Md Hasinur Rahaman Khan, J. Ewart H. Shaw</i> Paper 3: A projection based nonparametric test of conditional quantile independence with an application to banks' systemic risk <i>Milan Nedeljkovic</i> Paper 4: Statistical inference based on progressively type II censored data from Weibull model <i>Mohammad Z. Raqab, Raed R. Abu Awwad, Intesar Al-Mudahakha</i> Paper 5: Assessing discriminatory ability of random effects logistic models for clustered binary outcomes <i>Mohammad Shafiqur Rahman, Gareth Ambler, Rumana Omar</i> Paper 6: Modeling volatility of price of some selected agricultural products in Ethiopia: ARIMA-GARCH applications <i>Yegnanew Alem Shiferaw</i> Paper 7: Assessing the impact of environmental degradation on children's health: The contribution of stochastic modeling <i>Mahamadi Balima</i> Paper 8: Exploring the impact of scaling techniques on classification accuracy of nmr metabolomic data using pls-da and opsls-da <i>Jean-Pierre Labuschagne</i></p>

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		Discussant(s) : -
CPS101 26 August 2013 [09:00 - 11:15]	Hall 3G	<p>Poster spotlight (1)</p> <p>Organiser : -</p> <p>Chair : <i>Chan, Taylor Kin-Cheong</i></p> <p>Paper 1: Child labor in agricultural households in Burkina Faso, Ivory Coast and Mali: Test of the luxury axiom by a fuzzy sets theory approach <i>Kodzovi Senu Abalo</i></p> <p>Paper 2: Measuring inclusive growth in developing countries using micro-based pseudo-panel data <i>Arturo Martinez</i></p> <p>Paper 3: Youth situation and its effect on future of the world <i>Behzad Mahmoodi</i></p> <p>Paper 4: Survival analysis of time to treatment resumption for chronic HIV-1 patients interrupting highly actively antiretroviral therapy (HAART) <i>Berhanu Anagaw Wubie, Fentaw Abegaz</i></p> <p>Paper 5: Urban and rural trends in South Africa <i>Sharhi Laldaparsad</i></p> <p>Paper 6: Measuring the extent of gender segregation in labour market of South Africa <i>Akhona Nkenkana, Desiree Manamela</i></p> <p>Paper 7: Comparative study on the importance of the civil registration statistics <i>Patrick Nshimiyimana</i></p> <p>Paper 8: Healthiness in Cameroon: Typology of housings in urban areas <i>Adrien Deungoua Kouanda</i></p> <p>Paper 9: The impact of the economic recession on long-term unemployment in Central-European countries <i>Tomas Pavelka, Tomas Löster</i></p> <p>Paper 10: Analysis of the evolution of education inequality in Cameroon <i>Guillaume Gustave Dongmo Nandong, Pierre Joubert Nguetse</i></p> <p>Paper 11: Risk factors to the health of adolescents: Results of national survey of adolescent's health in Brazil <i>Sandra Pereira, Marco Andreazzi, Fatima Madeira, Maria Goreth Santos</i></p> <p>Paper 12: Assessment of policy implementation of Ubudehe</p>

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		<p>Program and its impact on the lives of VUP beneficiaries in Ngororero District, Rwanda <i>Francisca Mujawase</i></p> <p>Paper 13: Trends in the South African labor market from 1996 - 2011: Insights from Censuses <i>Moses Mafika Sithole, Yakubu A. Yakubu</i></p> <p>Discussant(s) : -</p>
IPS008 26 August 2013 [13:00 - 15:15]	Theatre 1	<p>History I: Jacob Bernoulli's "Ars Conjectandi" and the emergence of probability</p> <p>Organiser : <i>Jakubowski, Adam</i></p> <p>Chair : <i>Waymire, Edward C.</i></p> <p>Paper 1: Jacob Bernoulli and the founding of mathematical probability <i>Edith Dudley Sylla</i></p> <p>Paper 2: Statistics and philosophy of probability - Six degrees of separation <i>Krzysztof Burdzy</i></p> <p>Paper 3: An overview of Monte Carlo methods, from importance sampling to MCMC, to ABC <i>Christian P. Robert</i></p> <p>Discussant(s) : <i>Jakubowski, Adam</i></p>
IPS009 26 August 2013 [13:00 - 15:15]	Convention Hall B	<p>IAOS forum - A panel discussion on new challenges facing official statistics</p> <p>Organiser : <i>Penneck, Stephen John</i></p> <p>Chair : <i>Penneck, Stephen John</i></p> <p>Paper 1: Panel discussion <i>Marjo Bruun</i></p> <p>Paper 2: Panel discussion <i>Carmelita Nuguid Ericta</i></p> <p>Paper 3: Panel discussion <i>Jil Matheson</i></p> <p>Paper 4: Panel discussion <i>Eduardo Nunes</i></p> <p>Paper 5: Panel discussion <i>Walter Josef Radermacher</i></p> <p>Discussant(s) : -</p>
IPS010 26 August 2013 [13:00 - 15:15]	Convention Hall C	<p>Statistics of extremes and re-sampling methodologies</p> <p>Organiser : <i>Gomes, Ivette</i></p> <p>Chair : <i>Gomes, Ivette</i></p>

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		<p>Paper 1: Bridging centrality and extremity: Refining empirical data depth using extreme value theory <i>Regina Liu, John Einmahl, Jun Li</i></p> <p>Paper 2: Bootstrapping endpoint <i>Zhouping Li, Liang Peng</i></p> <p>Paper 3: The role of bootstrap methodologies in the estimation of a negative extreme value index <i>Frederico Caeiro, M. Ivette Gomes</i></p> <p>Discussant(s) : <i>Davison, Anthony C.</i></p>
<p>IPS011 26 August 2013 [13:00 - 15:15]</p>	<p>Room S421</p>	<p>Chronological text mining</p> <p>Organiser : <i>Morin, Anne Marie</i></p> <p>Chair : <i>Morin, Anne Marie</i></p> <p>Paper 1: A system for temporally-sliced correspondence analysis visualization <i>Bojana Dalbelo Bašić, Artur Šilić, Annie Morin, Jean-Hugues Chauchat</i></p> <p>Paper 2: Dynamic of a speech: Tracking the discursive strategy <i>Mónica Bécue-Bertaut</i></p> <p>Paper 3: CAText, interactive exploration of chronological text corpora <i>Nguyen-Khang Pham, Annie Morin</i></p> <p>Paper 4: Use of statistical testing for determining the values of parameters for an unsupervised feature construction algorithm <i>Marian-Andrei Rizoiiu, Julien Velcin, Stéphane Lallich</i></p> <p>Discussant(s) : <i>Chauchat, Jean-Hugues</i></p>
<p>IPS012 26 August 2013 [13:00 - 15:15]</p>	<p>Convention Hall A</p>	<p>Statistical methods for identification of biosignatures of treatment response</p> <p>Organiser : <i>Wei, Ying</i></p> <p>Chair : <i>Wei, Ying</i></p> <p>Paper 1: HORSES: Hexagonal Operator for Regression with Shrinkage and Equality Selection <i>Johan Lim, Woncheol Jang, Nicole Lazar, Ji Meng Loh</i></p> <p>Paper 2: Canonical k-means clustering for functional data <i>Thaddeus Tarpey, Eva Petkova</i></p> <p>Paper 3: Modeling strategies for developing treatment response indices <i>Eva Petkova, Zhe Su</i></p> <p>Paper 4: Model selection criteria based on computationally intensive estimators of the expected optimism</p>

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		<p><i>Joseph E. Cavanaugh, Andrew A. Neath</i> Discussant(s) : <i>Ogden, R. Todd</i></p>
<p>IPS013 26 August 2013 [13:00 - 15:15]</p>	<p>Room S228</p>	<p>Applications on modeling time correlated count processes Organiser : <i>Ravishanker, Nalini</i> Chair : <i>So, Mike K.P.</i> Paper 1: Modelling the total loss distribution based on dependent operational risk frequency counts <i>Claudia Czado, Eike C. Brechmann, Sandra Paterlini</i> Paper 2: Hierarchical Bayesian spatio-temporal Conway-Maxwell Poisson models with dynamic dispersion <i>Scott H. Holan, Guohui Wu, Christopher K. Wikle</i> Paper 3: On a threshold autoregression <i>Wai Keung Li</i> Discussant(s) : <i>Yao, Jeff J.F.</i></p>
<p>IPS015 26 August 2013 [13:00 - 15:15]</p>	<p>Room S428</p>	<p>Statistics for protein structure prediction and protein interaction Organiser : <i>Schimek, Michael G.</i> Chair : <i>Schimek, Michael G.</i> Paper 1: Introduction to proteomics and the statistical aspects of protein research <i>Michael G. Schimek, Kanti V. Mardia</i> Paper 2: Bayesian parameter estimation for protein contact potentials <i>Scott C. Schmidler, Xiang Zhou</i> Paper 3: A Bayesian model for protein secondary structure prediction <i>David B. Dahl, Qiwei Li, Marina Vannucci, Hyun Joo, Jerry W. Tsai</i> Paper 4: Combining the multicanonical ensemble with generative probabilistic models of local biomolecular structure <i>Jes Frellsen, Thomas Hamelryck, Jesper Ferkinghoff-Borg</i> Discussant(s) : <i>Mardia, Kanti</i></p>
<p>STS007 26 August 2013 [13:00 - 15:15]</p>	<p>Room S423</p>	<p>Extremes in action: From time series to random fields Organiser : <i>Markovich, Natalia M.</i> Chair : <i>Krieger, Udo R.</i> Paper 1: Estimation of extreme events from spatial rainfall data <i>Ana Ferreira, Rita M. Cardoso, Pedro M.M. Soares, Margarida Belo-Pereira</i> Paper 2: Exploratory plots in the analysis of extremes</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Souvik Ghosh, Bikramjit Das</i> Paper 3: Modeling clusters of extreme values in time series <i>Natalia M. Markovich</i> Paper 4: Testing for multivariate regular variation <i>Andrea Krajina, John H.J. Einmahl</i> Discussant(s) : <i>Kukush, Alexander G.</i></p>
<p>STS011 26 August 2013 [13:00 - 15:15]</p>	<p>Room S226</p>	<p>Recent advance in stochastic processes and their applications Organiser : <i>Xu, Lihu</i> Chair : <i>Xu, Lihu</i> Paper 1: On the approximate maximum likelihood estimation for diffusion processes <i>Song Xi Chen, Jinyuan Chang</i> Paper 2: Statistical inference and Malliavin calculus <i>Arturo Kohatsu-Higa, Jose M. Corcuera</i> Paper 3: Symmetric rearrangements around infinity with applications to Levy processes <i>Rongfeng Sun, Alexander Drewitz, Perla Sousi</i> Paper 4: Critical two-point functions for long-range self-avoiding walk in high dimensions <i>Lung-Chi Chen, Akira Sakai</i> Paper 5: Statistical properties of microstructure noise <i>Xinghua Zheng, Jean Jacod, Yingying Li</i> Discussant(s) : <i>Xu, Zuoquan</i></p>
<p>STS034 26 August 2013 [13:00 - 15:15]</p>	<p>Room S222</p>	<p>What are the quality impacts of conducting high profile official statistical collections on a voluntary basis? Organiser : <i>Trewin, Dennis John</i> Chair : <i>Tam, Siu-Ming</i> Paper 1: Producing official statistics via voluntary surveys - The National Household Survey in Canada <i>Marc Hamel</i> Paper 2: Nonresponse work at Statistics Sweden - Examples from the past and plans for the future <i>Martin Axelson, Lina Fjelkegård, Peter Lundquist, Peter Werner</i> Paper 3: The impact of nonresponse on survey quality <i>Bart Bakker, Jelke Bethlehem</i> Paper 4: Voluntary and volunteer government surveys in the US <i>Phillip S. Kott</i> Discussant(s) : <i>Bodin Jean-Louis, Trewin Dennis John</i></p>

Session Code / Date [Time]	Venue	Session / Paper
STS055 26 August 2013 [13:00 - 15:15]	Room S427	<p>Non-parametric curve estimation: Theory and applications</p> <p>Organiser : <i>Sun, Shan</i></p> <p>Chair : <i>Sun, Shan</i></p> <p>Paper 1: Nonparametric curve estimation under monotonicity constraint <i>Rabi Bhattacharya, Lizhen Lin</i></p> <p>Paper 2: Recursively generated control theoretic splines for on-the-fly approximation <i>Clyde F. Martin, Shan Sun</i></p> <p>Paper 3: Nonparametric modeling of dynamical seasonality and trend with heteroscedastic and dependent errors <i>Ming-Yen Cheng, Yu-Chun Chen, Hau-Tieng Wu</i></p> <p>Paper 4: Application of nonparametric quantile regression to body mass index percentile curves from survey data <i>Yan Li, Barry I. Graubard, Edward L. Korn</i></p> <p>Paper 5: Quantile correlations and quantile autoregressive modeling <i>Guodong Li, Yang Li, Chih-Ling Tsai</i></p> <p>Discussant(s) : <i>Peng, Heng</i></p>
STS060 26 August 2013 [13:00 - 15:15]	Room S425	<p>Toward a better economic statistics</p> <p>Organiser : <i>Ismail, Mohamed Ali</i></p> <p>Chair : <i>El-Gindy, Abou Bakr Mahmoud</i></p> <p>Paper 1: Use of administrative sources for statistical purposes: The Case of Jordan <i>Mohammad Mahmoud Khalaf</i></p> <p>Paper 2: Building macroeconomic models; challenges and obstacles: The Palestinian experience <i>Mohammed S.A. Qalalwa</i></p> <p>Paper 3: The informal sector and its impact on the Sudan economy. A case study at locality of Karari 2009. <i>Hagir Elzubeir Abdelmageed</i></p> <p>Paper 4: Economic censuses in Egypt and the world <i>Mohamed Ismail, Nany Abd Elkader Hashim</i></p> <p>Paper 5: A Perception and Exposure Local Corruption Index (PELCI): Egyptian experience <i>Magued Osman</i></p> <p>Discussant(s) : <i>Sayed, Hussein Abdel-Aziz</i></p>
STS066 26 August 2013	Room S223	<p>The use of modern technology in statistics</p> <p>Organiser : <i>Xu, Yipin</i></p>

Session Code / Date [Time]	Venue	Session / Paper
[13:00 - 15:15]		<p>Chair : <i>Yuan, Wei</i></p> <p>Paper 1: The ERA of big data: Statistics, data mining in the cloud computing ERA <i>Ben-Chang Shia</i></p> <p>Paper 2: Address based sampling technique in developing country <i>Weidong Wang</i></p> <p>Paper 3: The exploration of technology in official statistics: China's experience <i>Jiang Shu, Pan Fan, Cong Yajing</i></p> <p>Paper 4: Distributed computing and Hadoop in statistics <i>Xiaoling Lu, Bing Zheng</i></p> <p>Discussant(s) : -</p>
STS073 26 August 2013 [13:00 - 15:15]	Room S225	<p>Finance and contemporary issues</p> <p>Organiser : <i>Chan Ngai Hang, Basak, Gopal K.</i></p> <p>Chair : <i>Chan, Ngai Hang</i></p> <p>Paper 1: A practitioner's perspective on bid-ask bounce <i>Samuel Po-Shing Wong</i></p> <p>Paper 2: Time series of functional data for forecasting the yield curve and electricity prices <i>Rituparna Sen, Claudia Klüppelberg</i></p> <p>Paper 3: Cointegration pairs trading strategy on derivatives <i>Pak Kuen Lee, Ngai Hang Chan, Lai Fan Pun</i></p> <p>Paper 4: Costly information, finance and firm investment: New directions of research of empirical methodology <i>Pranab Kumar Das</i></p> <p>Paper 5: A structural approach to credit risk in a Markov modulated market <i>Mrinal K. Ghosh, Tamal Banerjee, Srikanth K. Iyer</i></p> <p>Discussant(s) : <i>Basak, Gopal K.</i></p>
STS082 26 August 2013 [13:00 - 15:15]	Room S424	<p>Reviewing measures of external debt</p> <p>Organiser : <i>Hennings, Katherine</i></p> <p>Chair : <i>Hennings, Katherine</i></p> <p>Paper 1: External debt profile of Chilean companies <i>Valeria Orellana, Nelson Loo</i></p> <p>Paper 2: Measuring external debt in a context of macroeconomic imbalances <i>João Cadete De Matos, Ana Margarida De Almeida, Lígia Maria Nunes, Daniela Black Miranda</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 3: Reviewing measures of external debt - The case of Turkey <i>Osman Cagatay Mutlu</i></p> <p>Paper 4: Securities data for enhanced analysis of external debt - Challenges due to non-ISIN securities <i>Jyry Hokkanen, Gunnar Blomberg, Anders Lindström</i></p> <p>Paper 5: Review of measures of private sector external debt in a small offshore financial center <i>Vikram M. Punchoo</i></p> <p>Discussant(s) : <i>McNeill, Joe</i></p>
<p>STS090 26 August 2013 [13:00 - 15:15]</p>	<p>Theatre 2</p>	<p>Statistical education and thinking development</p> <p>Organiser : <i>Xia, Rongpo</i></p> <p>Chair : <i>Xie, Hongguang</i></p> <p>Paper 1: Research on the modes of statistical education and training in China <i>Rongpo Xia</i></p> <p>Paper 2: Between media datalization and statistical literacy: China's logic <i>Zhongliang Zhang, Weizi Zhang</i></p> <p>Paper 3: Statistical modelling and mathematical modelling <i>Fengshan Bai</i></p> <p>Paper 4: Statistical thinking development of youngster <i>Hui Sun</i></p> <p>Discussant(s) : -</p>
<p>CPS009 26 August 2013 [13:00 - 15:15]</p>	<p>Room S224</p>	<p>Applications of statistics: Business and economics</p> <p>Organiser : -</p> <p>Chair : <i>Cheung, Eric C.K.</i></p> <p>Paper 1: Bayesian panel vector autoregressive models <i>Komla Mawulom Agudze</i></p> <p>Paper 2: Larger datasets lead to more inaccurate credit scoring <i>Mimi Mei Ling Chong, Matt Davison</i></p> <p>Paper 3: Measuring the intensity of local units' locational concentration with regard to the neighborhood externality with GIS <i>Hiromi Mori, Noriaki Sakamoto, Hirokazu Hasegawa</i></p> <p>Paper 4: The effect of China's real exchange rate appreciation in the next decade - An investigation of a recursive dynamic CGE analysis <i>Xin Li</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 5: Income shocks, food expenditures, calorie intake and body weight: A multilevel structural equation modelling analysis <i>Stephanie von Hinke Kessler Scholder, George Leckie</i></p> <p>Paper 6: An econometric study of the labor demand in Hong Kong <i>Ho Ming Lau</i></p> <p>Paper 7: The generalized filter trading rule under time varying volatility <i>Ling Xin</i></p> <p>Discussant(s) : -</p>
<p>CPS034 26 August 2013 [13:00 - 15:15]</p>	<p>Room S426</p>	<p>Awardees of Wakimoto Memorial Fund and Cochran-Hansen Prize</p> <p>Organiser : -</p> <p>Chair : <i>Ng, Louis F.K.</i></p> <p>Paper 1: Model-based clustering with non-parametric initialization <i>Kyungduk Lim</i></p> <p>Paper 2: Berry-Esséen bounds and almost sure CLT for the quadratic variation of the bifractional Brownian motion <i>Aazizi Soufiane</i></p> <p>Paper 3: Performance of bilinear autoregressive moving average models: Using demographic time series data <i>Samuel Abera Zewdie, Ermias Dessie</i></p> <p>Paper 4: The impact of demographic changes on economic growth in Egypt <i>Mahmoud Mohamed Elsarawy</i></p> <p>Paper 5: Determinants of export diversification at all margins. Case Study: South Korea <i>Embareka Farouk</i></p> <p>Paper 6: An unequal-probability replication variance estimator for large-entropy sampling designs <i>Escobar López Emilio</i></p> <p>Paper 7: The best estimation for high-dimensional Markowitz mean-variance optimization <i>Hua Li, Zhidong Bai, Wing-Keung Wong</i></p> <p>Discussant(s) : -</p>
<p>CPS110 26 August 2013 [13:00 - 15:15]</p>	<p>Hall 3G</p>	<p>Poster spotlight (10)</p> <p>Organiser : -</p> <p>Chair : <i>Lam, John Hon Kwan</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 1: Economic chromatography analysis method: Innovative theory and method of interdisciplinary research - Based on the reference of statistics to chemistry <i>Shibing You, Zhenghua Su, Lili Bao, Bi Wu</i></p> <p>Paper 2: Mills ratios of skew-t distribution and their applications <i>Tingting Li, Yubo Zhang, Xin Liao</i></p> <p>Paper 3: Study on the hierarchical difference among credit of rural household, fiscal expenditure and farmers' income in counties of China <i>Tao Wen, Xiaohua Wang, Dingxiang Wang, Yuyu Wang, Hongpan Yin</i></p> <p>Paper 4: Bayesian sampling plans with interval censoring <i>Wanbo Lu, Tzong-Ru Tsai</i></p> <p>Paper 5: Researches on methods of revising the historical data of city and county GDPs <i>Caifeng Su</i></p> <p>Paper 6: The study on the application of scanner data in the compilation of price index <i>Yawen Liu</i></p> <p>Paper 7: Matrix transformation technique based forecast modeling of input-output table <i>Cheng Wang, Huiwen Wang, Haitao Zheng, Haoyun Feng, Wen Long</i></p> <p>Paper 8: A study of existing public opinion survey models used by statistic authority - Based on empirical statistic surveys by Beijing Xicheng District Government <i>Huanhui Xia, Qixing Guo, Kunpeng Li</i></p> <p>Paper 9: Income inequality: Objective measurement and subjective evaluation - An empirical research based on microdata <i>Chao Cai, Li Li, Qi-Fa Xu</i></p> <p>Paper 10: Studying on the trend of the ageing population of Lanzhou City and countermeasures <i>Wei Ma, Shengjing Yang</i></p> <p>Paper 11: Measure on dependent structure of financial markets under international diversification with application to emerging markets of the BRIC <i>Lu Wang</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 12: Difference analysis of the accounting for accounting income and taxable income <i>Yun Gao</i></p> <p>Paper 13: Comparative study on within-household sampling methods in household survey <i>Ping Lv</i></p> <p>Discussant(s) : -</p>
IPS016 26 August 2013 [15:30 - 17:45]	Theatre 1	<p>Statistical and stochastic analysis of jumps in insurance</p> <p>Organiser : <i>Shimizu, Yasutaka</i></p> <p>Chair : <i>Shimizu, Yasutaka</i></p> <p>Paper 1: Some statistical estimation problems in ruin theory <i>Susan M. Pitts</i></p> <p>Paper 2: On statistical inference for Levy-driven models <i>Hiroki Masuda</i></p> <p>Paper 3: On the optimal dividend problem for jump-diffusions under fixed transaction costs <i>Jostein Paulsen</i></p> <p>Discussant(s) : <i>Albrecher, Hansjoerg</i></p>
IPS017 26 August 2013 [15:30 - 17:45]	Convention Hall A	<p>Crime and statistics: A dangerous liaison? Issues, challenges and future directions</p> <p>Organiser : <i>Palma Rojo, Mario</i></p> <p>Chair : <i>Garza Aldape, Eduardo Sojo</i></p> <p>Paper 1: The impact of victimisation on the daily activities of South Africans - A case study of the 2011 Victims of Crime Survey <i>Pali Lehohla</i></p> <p>Paper 2: The evolving role of self-report surveys of criminal victimization in a system of statistics on crime and the administration of justice <i>James Patrick Lynch</i></p> <p>Paper 3: Quantification of losses caused by delinquency in Ecuador <i>Yannira Chávez, Paul Medina, Patricia Cortez</i></p> <p>Paper 4: To measure or not to measure. The Mexican case <i>Mario Palma Rojo</i></p> <p>Paper 5: Using kernel methods to visualise crime data <i>Kieran Martin, Martin Ralphs</i></p> <p>Discussant(s) : <i>Me, Angela</i></p>

Session Code / Date [Time]	Venue	Session / Paper
IPS018 26 August 2013 [15:30 - 17:45]	Theatre 2	<p>Discrete choice experiments</p> <p>Organiser : <i>Vandebroek, Martina</i></p> <p>Chair : <i>Goos, Peter</i></p> <p>Paper 1: Incorporating analyst uncertainty in model specification and respondent processing strategies into efficient designs for logit models <i>John M. Rose, Michiel C.J. Bliemer</i></p> <p>Paper 2: Design and analysis of discrete choice experiments for models with response time <i>William Li, Stefano Barone, Alberto Lombardo, Deqiang Zou</i></p> <p>Paper 3: Designing for attribute-level best-worst choice experiments <i>Deborah J. Street, Stephanie Knox</i></p> <p>Discussant(s) : <i>Vandebroek, Martina</i></p>
IPS019 26 August 2013 [15:30 - 17:45]	Room S421	<p>Sources of influence in developing statistical literacy</p> <p>Organiser : <i>Nicholson, James Robert</i></p> <p>Chair : <i>Ridgway, Jim</i></p> <p>Paper 1: Statistical literacy and multivariate thinking <i>James Robert Nicholson, Jim Ridgway, Sean McCusker</i></p> <p>Paper 2: Connected worlds: Statistical literacy in art, science, public health and social issues <i>Neil Lutsky</i></p> <p>Paper 3: Emerging trends in data visualisation: Implications for producers of official statistics <i>Alan Smith</i></p> <p>Discussant(s) : <i>Ucar, Pinar</i></p>
IPS020 26 August 2013 [15:30 - 17:45]	Room S228	<p>Model-assisted approaches to combining information from different surveys (survey data integration)</p> <p>Organiser : <i>Kim, Jae Kwang</i></p> <p>Chair : <i>Kim, Jae Kwang</i></p> <p>Paper 1: Estimation of totals and regression parameters by combining data from independent surveys <i>J.N.K. Rao, Jae Kwang Kim</i></p> <p>Paper 2: Improved estimation for June Area Survey incorporating several information <i>Zhengyuan Zhu, Jae Kwang Kim, Shu Yang</i></p> <p>Paper 3: Composite calibration estimation integrating data from different surveys <i>Takis Merkouris</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		Discussant(s) : -
IPS021 26 August 2013 [15:30 - 17:45]	Room S428	Statistical reasoning in law Organiser : <i>Pan, Qing</i> Chair : <i>Pan, Qing</i> Paper 1: Evidence evaluation for multivariate discrete data <i>Colin G.G. Aitken, Erica Gold</i> Paper 2: Evaluation of forensic evidence in DNA mixture using RMNE <i>Fan Xia, Wing K. Fung, Yuk-Ka Chung</i> Paper 3: Statistical issues in the measure of accuracy of narcotics dogs and their implications in legal cases <i>Joseph L. Gastwirth</i> Discussant(s) : <i>Curran, James M.</i>
IPS095 26 August 2013 [15:30 - 17:45]	Convention Hall C	Measuring the development and well-being of societies Organiser : <i>Tang, Leslie Wai-Kong</i> Chair : <i>Ma, Zhi-Ming</i> Paper 1: Measuring the development and well-being of societies <i>Paul Cheung</i> Paper 2: The study of analyzing digital divide with data mining technique and setting up the cloud-platform to improve it <i>Ben-Chang Shia</i> Paper 3: Well-being indicators in Hong Kong <i>Osbert W.Y. Wang</i> Discussant(s) : <i>Kong, Vanessa Pek Fong</i>
IPS103 26 August 2013 [15:30 - 17:45]	Convention Hall B	IARIW-session on the measurement of well-being Organiser : <i>van de Ven, Peter</i> Chair : <i>Sharpe, Andrew</i> Paper 1: How's life and the measurement of well-being <i>Martine Durand</i> Paper 2: Recent and future developments related to "GDP and beyond" <i>Walter Josef Radermacher</i> Paper 3: Measuring national well-being - A UK perspective <i>Glenn James Everett</i> Paper 4: Measurement of quality of life and well being in France: The drivers for subjective well being <i>Philippe Cuneo, Fabrice Lengart, Claire Plateau</i> Discussant(s) : <i>Kovacevic, Milorad</i>

Session Code / Date [Time]	Venue	Session / Paper
STS009 26 August 2013 [15:30 - 17:45]	Room S427	<p>Statistical analysis of competing risks data</p> <p>Organiser : <i>Naik-Nimbalkar, Uttara V.</i></p> <p>Chair : <i>Naik-Nimbalkar, Uttara V.</i></p> <p>Paper 1: Phase-type distributions for competing risks <i>Bo Henry Lindqvist</i></p> <p>Paper 2: Statistical analysis of competing risks with missing causes of failure <i>Isha Dewan, Uttara V. Naik-Nimbalkar</i></p> <p>Paper 3: Regression analysis of competing risks data with general missing pattern in failure types <i>P.G. Sankaran, Anup Dewanji, Debasis Sengupta, Bappa Karmakar</i></p> <p>Discussant(s) : <i>Lam, Eddy K.F.</i></p>
STS012 26 August 2013 [15:30 - 17:45]	Room S223	<p>Analysis of complex outcome data in RNA sequencing and genome-wide association studies</p> <p>Organiser : <i>Wu, Colin O.</i></p> <p>Chair : <i>Tang, Man Lai</i></p> <p>Paper 1: Controlling false discovery rates in RNA-sequencing data <i>Conrad J. Burden, Sumaira Qureshi, Susan R. Wilson</i></p> <p>Paper 2: Joint analysis of binary and quantitative traits with data sharing and outcome-dependent sampling <i>Jungnam Joo, Gang Zheng, Colin O. Wu, Minjung Kwak, Wenhua Jiang, Joao A.C. Lima</i></p> <p>Paper 3: PLNseq: A multivariate poisson lognormal distribution for high-throughput correlated RNA-seq read counts <i>Hong Zhang, Jinfeng Xu, Xiaohua Hu, Zewei Luo</i></p> <p>Paper 4: A joint regression analysis for genetic association studies with outcome stratified samples <i>Minjung Kwak, Colin O. Wu, Gang Zheng</i></p> <p>Paper 5: A new multivariate zero-inflated poisson model with applications <i>Guo-Liang Tian, Yin Liu, Xiqian Ding</i></p> <p>Discussant(s) : <i>de Leon, Alex R.</i></p>
STS035 26 August 2013 [15:30 - 17:45]	Room S425	<p>Statistical methods for biophysical structure and dynamics</p> <p>Organiser : <i>Munk, Axel E.</i></p> <p>Chair : <i>Munk, Axel E.</i></p> <p>Paper 1: A survey of Riemannian centres of mass for data <i>Wilfrid S. Kendall</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 2: Partial least squares to identify functional dynamics of proteins <i>Tatyana Krivobokova, Marco Singer, Bert De Groot, Axel Munk</i></p> <p>Paper 3: Sparsity-based analysis of superresolution microscopy data <i>Timo Aspelmeier</i></p> <p>Paper 4: Aggregated motion estimation for imaging in real time MRI <i>Housen Li, Markus Haltmeier, Shuo Zhang, Jens Frahm, Axel Munk</i></p> <p>Paper 5: Statistical computation in protein folding <i>Samuel Kou</i></p> <p>Discussant(s) : <i>Panaretos, Victor M.</i></p>
<p>STS052 26 August 2013 [15:30 - 17:45]</p>	<p>Room S222</p>	<p>Official statistics in the Arab Region - Challenges and the way forward</p> <hr/> <p>Organiser : <i>Hussein, Ahmad</i></p> <p>Chair : <i>Hussein, Ahmad</i></p> <p>Paper 1: Challenges in statistical capacity building in the Arab countries <i>Savaş Alpay</i></p> <p>Paper 2: Statistical capacity building in Iraq <i>Mahdi Al-Alak</i></p> <p>Paper 3: Challenges facing the official statistics in the GCC Countries - Oman as a model <i>Sabir Said Al-Harbi</i></p> <p>Paper 4: Challenges facing official statistics in Egypt <i>Awatef Hussein Emam Abou Gendy</i></p> <p>Paper 5: Official statistics in the Arab region: Viable Arab framework to respond to common challenges <i>Ola Farah Awad/Shakhshir</i></p> <p>Discussant(s) : <i>Skaini, Majed</i></p>
<p>STS075 26 August 2013 [15:30 - 17:45]</p>	<p>Room S423</p>	<p>Memorial session: Gad Nathan and his contributions to survey sampling</p> <hr/> <p>Organiser : <i>Sverchkov, Michail</i></p> <p>Chair : <i>Pfeffermann, Danny</i></p> <p>Paper 1: Gad Nathan, 40 years of contributions to official statistics <i>Luisa Burck</i></p> <p>Paper 2: Some issues in the design and analysis of longitudinal</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>surveys <i>Graham Kalton</i></p> <p>Paper 3: The analysis of survey data <i>Alastair John Scott</i></p> <p>Paper 4: Statistical disclosure control, new directions and challenges <i>Natalie Shlomo</i></p> <p>Paper 5: Selection always matters <i>T.M. Fred Smith, Roger A. Sugden</i></p> <p>Discussant(s) : -</p>
<p>STS079 26 August 2013 [15:30 - 17:45]</p>	<p>Room S226</p>	<p>Measuring real effective exchange rates</p> <p>Organiser : <i>Şahinbeyoğlu, Gülbin</i></p> <p>Chair : <i>Şahinbeyoğlu, Gülbin</i></p> <p>Paper 1: Real effective exchange rates - The BIS methodology <i>Előd Takáts</i></p> <p>Paper 2: The effects of transit trade on measuring real effective exchange rates <i>Bernadette Lauro, Thomas Tilley</i></p> <p>Paper 3: Alternative measures of real effective exchange rate: A different story on price competitiveness? <i>Biljana Davidovska Stojanova</i></p> <p>Paper 4: Weighted average relative price (WARP): A supplement to standard real effective exchange rates (REERs) <i>Charles P. Thomas, Jaime R. Marquez</i></p> <p>Discussant(s) : <i>Schubert, Aurel</i></p>
<p>CPS010 26 August 2013 [15:30 - 17:45]</p>	<p>Room S426</p>	<p>Applications of statistics: Finance</p> <p>Organiser : -</p> <p>Chair : <i>Yang, Hailiang</i></p> <p>Paper 1: Maximum entropy risk model in financial management <i>Dhara Singh Hooda</i></p> <p>Paper 2: Index development for a market with heavy-tailed distributions <i>Yoko Tanokura, Hiroshi Tsuda, Seisho Sato, Genshiro Kitagawa</i></p> <p>Paper 3: Cross-sectional vine copula factor model <i>Yuk Ting Yeung, Mike K.P. So</i></p> <p>Paper 4: Spatial GARCH: A spatial approach to multivariate volatility modelling <i>Svetlana A. Borovkova, H.P. Lopuhaä</i></p> <p>Paper 5: Risk-averse inference using higher moment coherent</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>risk measures <i>Spiridon I. Penev, But-Elle Hatooka</i></p> <p>Paper 6: Modeling inflation rates as long memory seasonal processes <i>Daniel Takata Gomes, Caroline Ponce de Moraes</i></p> <p>Paper 7: A comparison of risk return relationship in the portfolio selection models <i>Ken Hung, C.W. Yang, Yifan Zhao</i></p> <p>Discussant(s) : -</p>
<p>CPS021 26 August 2013 [15:30 - 17:45]</p>	<p>Room S224</p>	<p>Statistical theory and methodology: Statistical inference (2)</p> <p>Organiser : -</p> <p>Chair : <i>Wang, Maggie Haitian</i></p> <p>Paper 1: Deterministic algorithms for robust covariance and regression <i>Peter J. Rousseeuw, Mia Hubert, Tim Verdonck, Kaveh Vakili, Dina Vanpaemel</i></p> <p>Paper 2: Two digit testing for Benford's Law <i>Dieter William Joenssen</i></p> <p>Paper 3: Theoretical considerations for multivariate functional data analysis <i>Yoshiharu Sato</i></p> <p>Paper 4: A model selection criterion for LASSO <i>Ho Yin Ho, Man-Yu Wong</i></p> <p>Paper 5: Fuzzy clustering based correlation and its application to principal component analysis <i>Mika Sato-Ilic</i></p> <p>Paper 6: Identifying special structures in interval-data via model-based clustering <i>Paula Brito, A. Pedro Duarte Silva, Jose G. Dias</i></p> <p>Paper 7: Quaternary-code designs: A better choice of design for experimentation <i>Frederick Kin Hing Phoa</i></p> <p>Discussant(s) : -</p>
<p>CPS025 26 August 2013 [15:30 - 17:45]</p>	<p>Room S424</p>	<p>Statistical computing</p> <p>Organiser : -</p> <p>Chair : <i>Zhou, Ding-Xuan</i></p> <p>Paper 1: Semiparametric Poisson regression model in clustered data <i>Erniel B. Barrios, Eiffel A. de Vera</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 2: Openstyle academic hotpots extracting algorithm based on penalized network random block model <i>Xing Wang</i></p> <p>Paper 3: Holonomic descent minimization method for the restricted maximum likelihood estimation <i>Rieko Sakurai, Toshio Sakata</i></p> <p>Paper 4: Efficient computation of maximum likelihood estimators of hierarchical subspace models <i>Hara Hisayuki</i></p> <p>Paper 5: An optimization approach applied the multivariate optimal allocation in stratified sample designs <i>José André M. Brito, Gustavo Silva Semaan, Flávio Marcelo Tavares Montenegro</i></p> <p>Paper 6: Metric learning for nearest neighbor classification <i>Akarin Phaibulpanich, Kerby Shedden</i></p> <p>Paper 7: Sliced inverse regression for the interval-valued symbolic data <i>Han-Ming Wu</i></p> <p>Paper 8: A social network based surveillance and spatio-temporal visualization tool <i>Lilia Leticia Ramirez, Yulia R. Gel, Mary E. Thompson, Eileen De Villa, Matt McPherson</i></p> <p>Discussant(s) : -</p>
<p>CPS102 26 August 2013 [15:30 - 17:45]</p>	<p>Hall 3G</p>	<p>Poster spotlight (2)</p> <p>Organiser : -</p> <p>Chair : <i>Chung, Tony Sai-Ho</i></p> <p>Paper 1: Sampling methods in price indices for calculating elementary aggregates <i>Ebrahim Nasirifar</i></p> <p>Paper 2: Impact of rising oil prices on the living cost in Burkina Faso <i>Ouedraogo Alexandre</i></p> <p>Paper 3: Relationship between the price of oil and the cost of living in Cameroon, Ivory Coast and Senegal: A modeling with variable coefficients <i>Jean-Claude Nguemini</i></p> <p>Paper 4: The role of informal sector in alleviating youth unemployment in Hawassa City, Ethiopia <i>Tefera Darge Delbiso</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 5: The best stratification to impute missing values of turnover in economic surveys <i>Takayuki Ito, Yutaka Abe, Tatsuo Noro</i></p> <p>Paper 6: The impact of the fluctuations in oil prices on overall economic growth <i>Rehab Abd Elgillil Mohamed Abo Kahla</i></p> <p>Paper 7: Influence of mathematical models on warrant pricing with fractional Brownian Motion as numerical method <i>Mukhethwa Londani</i></p> <p>Paper 8: Factors affecting use of modern family planning methods among women in Hoima town council <i>Ivan None Kayigwa</i></p> <p>Paper 9: Statistical bodies in Egypt: An overall view <i>Fayez Mourad Mina Tanious</i></p> <p>Paper 10: Estimation the yield curve of Nelson-Siegel model and its extensions by L-BFGS-B method optimization approach <i>Muslim, Dedi Rosadi, Gunardi, Abdurakhman</i></p> <p>Paper 11: On rapid increase of households in South Africa and implications on delivery of basic services <i>Remigius Chidozie Nnadozie</i></p> <p>Paper 12: The link between unemployment and inflation using Johansen's co-integration approach and vector error correction modelling <i>Sagaren Pillay</i></p> <p>Paper 13: Sleep time in the time use survey <i>Benedek Kovács</i></p> <p>Paper 14: Calibrated estimation of a nonparametric income distribution from a few percentiles <i>Stefan Sperlich, Jing Dai, Ignacio Moral-Arce</i></p> <p>Paper 15: From complex unstructured heterogeneous massive data to symbolic data analysis <i>Edwin Diday</i></p> <p>Discussant(s) : -</p>
CPS201 26 August 2013 [08:30 - 17:45]	Hall 3G	<p>Poster display Day 1</p> <p>Organiser : -</p> <p>Chair : -</p> <p>Paper 1: Specifying asymmetric STAR models with linear and nonlinear GARCH innovations: Monte Carlo approach <i>Olaoluwa Simon Yaya</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 2: The establishment of Chinese elderly men physique comprehensive evaluation model <i>Shuxiang Zhao</i></p> <p>Paper 3: The economic impact of political instability: A case study of Côte d'Ivoire <i>Jean Stéphane Koffi</i></p> <p>Paper 4: Urbanization and poverty reduction interventions: A case study of Kiandutu Slum, Kenya <i>Lucy Njeri Kiarie</i></p> <p>Paper 5: The old people in Egypt, case study (Ismailia Governorate) <i>Mohamed Hassan Ahmed Talaat</i></p> <p>Paper 6: Professional awards in statistics: Chipping away at gender disparities in the USA <i>Amanda L. Golbeck, Craig A. Molgaard</i></p> <p>Paper 7: Evaluation of optimal linear discriminant function by 100 fold cross validation <i>Shuichi Shinmura</i></p> <p>Paper 8: Return of higher education with the backdrop of wage convergence <i>Boya Lai</i></p> <p>Paper 9: Socio-demographic factors associated with contraceptive use among young women in comparison with older women in Uganda <i>John Mushomi Atwebembeire, John Bosco Asimwe, Patricia Ndugga</i></p> <p>Paper 10: Economic growth, inequality and poverty in sub-Saharan Africa: The case of Cameroon and the Ivory Coast <i>Cyrille Guy Patrick Mepoui A Mpe</i></p> <p>Paper 11: Operationalising financial inclusion index as a policy lever: Uttar Pradesh (in India) - A case study <i>Puneet Verma, Rabi N. Mishra, Sanket Bose</i></p> <p>Paper 12: Côte d'Ivoire: Towards education for all in 2015? Analysis of indicators for the monitoring of Ivorian education system progress <i>Seke Kouassi de Syg</i></p> <p>Paper 13: Joint modeling of longitudinal CD4 cell count and time-to-default from highly active antiretroviral therapy in HIV/AIDS patients in Ethiopia: A comparison of separate and</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>joint models <i>Yehnew Getachew Kifle, Awol Seid</i></p> <p>Paper 14: Use of the area under a receiver operating characteristics (ROC) curve in medical research <i>Safia Awan</i></p> <p>Paper 15: Using LQAS for baseline surveys and regular performance monitoring in health care <i>Gertrude Tracy Namutebi</i></p> <p>Paper 16: Model-based clustering of time-course RNA-seq data <i>Man-Kee Maggie Chu, Wenqing He</i></p> <p>Paper 17: Designs for the difference between two estimated responses in a trigonometric regression model <i>Shahariar Huda</i></p> <p>Paper 18: Use 2D unstructured mesh finite volume method for simulating structural dynamics <i>Yong Zhao, Yao Cao, Xiaohui Su</i></p> <p>Paper 19: A new method of detecting the power of misspecified link functions in logistic regression model <i>Shibru Temesgen Wakweya</i></p> <p>Paper 20: Estimation of demographic statistics in the Cambodian Socio-Economic Survey (CSES) 2004-2011 <i>Pen Socheat</i></p> <p>Paper 21: Subjective Bayesian analysis of the elliptical model <i>Janet Van Niekerk, A. Bekker, M. Arashi, J.J.J. Roux</i></p> <p>Paper 22: Small area estimation for the 2011 Population Census of Hong Kong <i>John Hon Kwan Lam</i></p> <p>Paper 23: Sobol's sequence based method for fitting nonlinear mixed effects model: A comparative view <i>Rashedul Hoque, Mahbub A.H.M. Latif</i></p> <p>Paper 24: The relationship between housing conditions and house owner's occupation - A study based on the correspondence analysis <i>Yuxin Jiao, Ping Jiang</i></p> <p>Paper 25: Weight of health expenditures on household income in Cameroon <i>Joseph Parfait Owoundi</i></p> <p>Paper 26: Semi-parametric Bayesian analysis of binary responses with a continuous covariate subject to non-random</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>missingness <i>Carlos Daniel Paulino, Frederico Z. Poletto, Julio M. Singer, Geert Molenberghs</i></p> <p>Paper 27: The factorial structure of the Approaches and Study Skills Inventory for Students (ASSIST) in Australia: An exploratory factor analysis <i>Petra Graham, Ayse Aysin Bilgin, Tamas Gantner</i></p> <p>Paper 28: Probability of default in credit risk based on discrete trinomial structure <i>Di Asih I Maruddani, Dedi Rosadi, Gunardi, Abdurakhman</i></p> <p>Paper 29: Study on probability of incidence of disease through point process modeling <i>Nurtiti Sunusis, Nurdin</i></p> <p>Paper 30: Nonparametric inference for controlled branching processes with deterministic function <i>Ines Maria Del Puerto, Miguel González, Carmen Minuesa</i></p> <p>Paper 31: Generalized p-values for comparing regression lines <i>Tsai-Yu Lin, Chi-Rong Li</i></p> <p>Paper 32: Evaluation on the effect size of rare variants based on genome-wide association studies in WTCCC data <i>Shu-Hui Wen</i></p> <p>Paper 33: Statistical data quality control study under the conditions of direct reporting for internal statistics package by network <i>Keqin Li</i></p> <p>Paper 34: Assessing the trade and poverty nexus in the Philippines <i>Teresita Lubrico Cadiben, Mary Ann C. Magtulis, Ivan Cassidy F. Villena</i></p> <p>Paper 35: Simple visualization techniques and statistical data analysis in prenatal diagnosis <i>Paula Barroso Rolha, Teresa Oliveira, Amílcar Oliveira, Avelino Rolha</i></p> <p>Paper 36: Model-based methods for missing data in surveys with post-stratification information <i>Sahar Zohouri Zangeneh, Roderick J.A. Little</i></p> <p>Paper 37: A robust uncertainty treatment with bias correction in model calibration for better predictability <i>Quanxi Shao, John A. Taylor</i></p>

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IPS022 27 August 2013 [09:00 - 11:15]	Room S428	<p>Quantile regression - Recent development of theory and applications</p> <p>Organiser : <i>Wang, Huixia</i></p> <p>Chair : <i>Pan, Qing</i></p> <p>Paper 1: Variable selection in high-dimensional quantile varying coefficient models <i>Yanlin Tang, Huixia Judy Wang</i></p> <p>Paper 2: Self-consistent estimation of censored quantile regression <i>Limin Peng</i></p> <p>Paper 3: Estimation and testing of varying coefficients in quantile regression <i>Xingdong Feng, Liping Zhu</i></p> <p>Discussant(s) : -</p>
IPS023 27 August 2013 [09:00 - 11:15]	Room S228	<p>Modernisation of business statistics</p> <p>Organiser : <i>Orjala, Hannele</i></p> <p>Chair : <i>Orjala, Hannele</i></p> <p>Paper 1: Identical variables in different business and trade-related statistics - A challenge for European statistics <i>Joachim Weisbrod, Mirjam Weber, Bjoern Witting</i></p> <p>Paper 2: Building the statistical data warehouse to improve statistics <i>Harry Goossens</i></p> <p>Paper 3: Revision project of the business register and business statistics in Finland <i>Sami Saarikivi</i></p> <p>Discussant(s) : <i>Behrens Axel, Gutu Samia Zekaria</i></p>
IPS024 27 August 2013 [09:00 - 11:15]	Theatre 2	<p>Survey sampling: Advanced approaches in computational statistics</p> <p>Organiser : <i>Petrucci, Alessandra</i></p> <p>Chair : <i>Petrucci, Alessandra</i></p> <p>Paper 1: Robust inference in two-phase sampling designs with application to unit nonresponse <i>David Haziza, Jean-François Beaumont, Cyril Favre-Martinoz</i></p> <p>Paper 2: Spatial network sampling in small area estimation <i>Monica Pratesi, Roberto Benedetti, Stefano Marchetti, Federica Piersimoni</i></p>

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		<p>Paper 3: Doubly balanced spatial sampling with spreading and restitution of auxiliary totals <i>Yves Tillé, Anton Grafström</i></p> <p>Discussant(s) : <i>Eltinge, John L.</i></p>
<p>IPS026 27 August 2013 [09:00 - 11:15]</p>	<p>Theatre 1</p>	<p>Statistical methods for analyzing financial data</p> <p>Organiser : <i>Zheng, Tian</i></p> <p>Chair : <i>Woo, Jae Kyung</i></p> <p>Paper 1: Matching quantiles estimation and selecting representative portfolios <i>Qiwei Yao, Nikolaos Sgouropoulos, Claudia Yastremiz</i></p> <p>Paper 2: Sparse vector autoregressive modeling <i>Richard A. Davis, Pengfei Zang, Tian Zheng</i></p> <p>Paper 3: Fast estimation of multiple-regime threshold autoregressive model <i>Chun Yip Yau, Chong Man Tang</i></p> <p>Discussant(s) : -</p>
<p>IPS027 27 August 2013 [09:00 - 11:15]</p>	<p>Convention Hall B</p>	<p>Administrative censuses: Approaches when national population registers are not complete, or not available</p> <p>Organiser : <i>Bycroft, Christine Mary</i></p> <p>Chair : <i>Bycroft, Christine Mary</i></p> <p>Paper 1: Integrated rolling census <i>Luisa Burck, Dan Ben Hur</i></p> <p>Paper 2: The new register-based census of Germany - A multiple source mixed mode approach <i>Sabine Bechtold</i></p> <p>Paper 3: Beyond 2011 - A new paradigm for population statistics? <i>Peter Benton, Andy Teague, Alistair Calder, Jane Naylor</i></p> <p>Paper 4: A Bayesian method for deriving population statistics from multiple imperfect data sources <i>John Bryant, Patrick Graham</i></p> <p>Discussant(s) : <i>Fienberg, Stephen Elliott</i></p>
<p>IPS028 27 August 2013 [09:00 - 11:15]</p>	<p>Convention Hall C</p>	<p>Distributional inferences in statistics</p> <p>Organiser : <i>Xie, Min-ge</i></p> <p>Chair : <i>Liu, Regina</i></p> <p>Paper 1: Inference distributions for a parameter: Are they calibrated? <i>D.A.S. Fraser</i></p> <p>Paper 2: Integrating confidence intervals, likelihoods and</p>

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		<p>confidence distributions <i>Tore Schweder, Nils Lid Hjort</i></p> <p>Paper 3: Dempster-Shafer recombination of confidence distributions <i>Jan Hannig, Min-ge Xie</i></p> <p>Discussant(s) : <i>Lee Thomas C.M., Xie Min-ge</i></p>
<p>IPS094 27 August 2013 [09:00 - 11:15]</p>	<p>Room S421</p>	<p>Future of the population census</p> <p>Organiser : <i>Feng, Nailin</i></p> <p>Chair : <i>Feng, Nailin</i></p> <p>Paper 1: The 2010 round of population and housing censuses: A global review <i>Keiko Osaki Tomita</i></p> <p>Paper 2: Future of the population census <i>C. Chandramouli</i></p> <p>Paper 3: Future developments on the Canadian Census of Population <i>Marc Hamel, Yves Béland</i></p> <p>Discussant(s) : <i>Cheung, Paul</i></p>
<p>IPS106 27 August 2013 [09:00 - 11:15]</p>	<p>Convention Hall A</p>	<p>Big data</p> <p>Organiser : <i>Yu, Bin</i></p> <p>Chair : <i>He, Xuming</i></p> <p>Paper 1: What is the big deal about big data? <i>Vijay N. Nair</i></p> <p>Paper 2: Massive weather (re)forecast data: Challenges and opportunities for statisticians <i>Tilmann Gneiting</i></p> <p>Paper 3: Big data and complex modeling challenges in astronomy and solar physics <i>David A. van Dyk</i></p> <p>Paper 4: Statistical techniques for big data optimization <i>Tong Zhang</i></p> <p>Discussant(s) : -</p>
<p>STS001 27 August 2013 [09:00 - 11:15]</p>	<p>Room S222</p>	<p>Promoting statistics amongst the youth through fun activities</p> <p>Organiser : <i>North, Delia Elizabeth</i></p> <p>Chair : <i>Molnar, Adam</i></p> <p>Paper 1: “Selling statistics” to school children on university open days <i>Delia Elizabeth North</i></p> <p>Paper 2: Making statistics fun in the classroom</p>

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		<p><i>Bradley J. Payne</i></p> <p>Paper 3: Statistics poster competitions: What do they tell us about teachers' knowledge of statistics and how can we learn from this</p> <p><i>Jennifer Vanessa Freeman, Eleanor Stillman, Brad Payne</i></p> <p>Paper 4: Promoting statistics to secondary students in Hong Kong</p> <p><i>Annie Yuen-Wai Chan</i></p> <p>Discussant(s) : -</p>
<p>STS005</p> <p>27 August 2013</p> <p>[09:00 - 11:15]</p>	<p>Room S427</p>	<p>Two views of smoothing splines and related tools</p> <p>Organiser : <i>Wang, Yuedong</i></p> <p>Chair : <i>Martin, Clyde F.</i></p> <p>Paper 1: Automatic model structure selection for multivariate nonparametric regression</p> <p><i>Hao Helen Zhang, Guang Cheng, Yufeng Liu</i></p> <p>Paper 2: L1-optimal splines for outlier rejection</p> <p><i>Masaaki Nagahara, Clyde F. Martin</i></p> <p>Paper 3: Functional mixed effects spectral analysis</p> <p><i>Wensheng Guo, Robert T. Krafty, Martica Hall</i></p> <p>Paper 4: Dynamic contour modeling of wet material objects by periodic smoothing splines</p> <p><i>Hiroyuki Kano, Hiroyuki Fujioka</i></p> <p>Paper 5: Smoothing splines on projective space</p> <p><i>Wenzhen Fan, Clyde F. Martin</i></p> <p>Discussant(s) : -</p>
<p>STS014</p> <p>27 August 2013</p> <p>[09:00 - 11:15]</p>	<p>Room S423</p>	<p>Time series analysis and finance</p> <p>Organiser : <i>Abraham, Bovas</i></p> <p>Chair : <i>El-Shaarawi, Abdel</i></p> <p>Paper 1: Simulated maximum likelihood in a Markov switching stochastic volatility model</p> <p><i>Bovas Abraham</i></p> <p>Paper 2: Inference for generalized duration models</p> <p><i>Aerambamoorthy Thavaneswaran</i></p> <p>Paper 3: Prediction intervals and simultaneous bands for ARCH processes with an application to autoregressive conditional duration models</p> <p><i>Bei Chen</i></p> <p>Paper 4: Time varying autoregressive conditional duration models</p>

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		<p><i>Ramanathan V. Thekkevariam</i></p> <p>Paper 5: Parameter estimation of random coefficient models with correlated errors using quadratic estimating function approach</p> <p><i>Ibrahim bin Mohamed, Kamil Khalid</i></p> <p>Discussant(s) : <i>Padudol, Sankaran Godan</i></p>
<p>STS026 27 August 2013 [09:00 - 11:15]</p>	<p>Room S425</p>	<p>Experiences when building the methodological architecture for statistics production</p> <hr/> <p>Organiser : <i>Elvers, Eva</i></p> <p>Chair : <i>Elvers, Eva</i></p> <p>Paper 1: Methodology architecture - A roadmap for new methodological directions in the Australian Bureau of Statistics <i>Siu-Ming Tam</i></p> <p>Paper 2: Using design principles to deliver strategy in a new organisational structure <i>Gary Brown, Catherine A. Davies</i></p> <p>Paper 3: Strengthening methodological architecture with multiple frames and data sources <i>James M. Harris, Cynthia Z.F. Clark</i></p> <p>Paper 4: Balancing sound methodology and IT flexibility in statistical production <i>Allyson J. Seyb</i></p> <p>Paper 5: Lessons learned from implementing an integrated methodological architecture <i>Evelyn N. Maelane, Marlize Pistorius</i></p> <p>Discussant(s) : <i>Radermacher, Walter Josef</i></p>
<p>STS057 27 August 2013 [09:00 - 11:15]</p>	<p>Room S226</p>	<p>Methodological and compilation review on bank interest rates statistics</p> <hr/> <p>Organiser : <i>Schubert, Aurel</i></p> <p>Chair : <i>Schubert, Aurel</i></p> <p>Paper 1: Experience of compiling interest rate statistics <i>Sosang Moon</i></p> <p>Paper 2: Quality issues in the compilation of bank interest rate statistics: A European perspective <i>Andreas Kuchler</i></p> <p>Paper 3: The Federal Reserve's role in the collection and dissemination of information on interest rates <i>Matthew Lieber, Charles P. Thomas</i></p> <p>Paper 4: Interest rate statistics in Nigeria: Its sampling</p>

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		<p>techniques and computational procedures <i>Abiola O. Adeleke</i></p> <p>Paper 5: Quality measures in non-statistical sampling: MFI Interest Rates Statistics (MIR) <i>Josep M. Puigvert, J. Huerga, S. Pérez-Duarte</i></p> <p>Discussant(s) : <i>de Matos, João Cadete</i></p>
<p>STS065 27 August 2013 [09:00 - 11:15]</p>	<p>Room S225</p>	<p>Statistical techniques in heterogeneous learning</p> <p>Organiser : <i>Yang, Hongxia</i></p> <p>Chair : <i>He, Jingrui</i></p> <p>Paper 1: Nonparametric Bayesian multi-task learning with max-margin posterior regularization <i>Jun Zhu</i></p> <p>Paper 2: Bayesian inference from non-ignorable network sampling designs <i>Simon Lunagomez, Edoardo M. Airoidi</i></p> <p>Paper 3: A semi-parametric Bayesian framework for performance analysis of call centers <i>Xiaowei Zhang, Bangxian Wu</i></p> <p>Paper 4: NOTAM: Nonparametric Bayes multi-task multi-view learning <i>Hongxia Yang, Jingrui He</i></p> <p>Paper 5: Supervised heterogeneous multiview learning for joint association study and disease diagnosis <i>Zenglin Xu, Shandian Zhe, Yuan Qi, Peng Yiu</i></p> <p>Discussant(s) : <i>Banks, David</i></p>
<p>STS077 27 August 2013 [09:00 - 11:15]</p>	<p>Room S424</p>	<p>Central banks and the role of sample surveys in an age of abundant administrative data</p> <p>Organiser : <i>De Windt, Nicole</i></p> <p>Chair : <i>Acx, Rudi</i></p> <p>Paper 1: Enhancing the Philippines' external sector statistics through cross border transactions surveys <i>Rosabel B. Guerrero</i></p> <p>Paper 2: Are administrative records an alternative to sample surveys? The case of the Italian survey on household income and wealth <i>Andrea Neri</i></p> <p>Paper 3: Census and sample in capital surveys in Brazil <i>Katherine Hennings, Thiago Said Vieira</i></p> <p>Paper 4: Collecting data through surveys only when all else</p>

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		<p>fails? The case of surveys in the ECB <i>Sebastian Pérez-Duarte</i></p> <p>Paper 5: Business expectations survey in Nigeria: Its techniques, uses and challenges <i>Olorunsola E. Olowofeso, Sani I. Doguwa</i></p> <p>Discussant(s) : <i>Quiros, Gabriel</i></p>
<p>STS091 27 August 2013 [09:00 - 11:15]</p>	<p>Room S223</p>	<p>High dimension and causal inference</p> <p>Organiser : <i>Geng, Zhi</i></p> <p>Chair : <i>Geng, Zhi</i></p> <p>Paper 1: Preconditioning for consistency in sparse inference <i>Jinzhu Jia, Karl Rohe</i></p> <p>Paper 2: Structure analysis of high dimensional tensor data <i>Jianxin Yin, Shiyuan He</i></p> <p>Paper 3: Reversible MCMC on Markov equivalence classes of sparse directed acyclic graphs <i>Yangbo He, Jinzhu Jia, Bin Yu</i></p> <p>Paper 4: Identifiability of treatment effect in a pretest-posttest study with missing data <i>Xueli Wang, Xiaohua Zhou</i></p> <p>Paper 5: Acceleration of the EM algorithm using the vector epsilon accelerator and a re-starting procedure <i>Masahiro Kuroda, Zhi Geng, Michio Sakakihara</i></p> <p>Discussant(s) : -</p>
<p>CPS004 27 August 2013 [09:00 - 11:15]</p>	<p>Room S426</p>	<p>Official statistics: Modelling and analyses</p> <p>Organiser : -</p> <p>Chair : <i>Cheng, James L.Y.</i></p> <p>Paper 1: An age-structured two-sex model for Household Dynamics in Sydney <i>Mohammad-Reza Namazi-Rad, Payam Mokhtarian</i></p> <p>Paper 2: Multiple imputation of missing values in economic surveys: Comparison of competing algorithms <i>Masayoshi Takahashi, Takayuki Ito</i></p> <p>Paper 3: Static input-output model mathematical base and practical application <i>Ahmed Fathy Ahmed</i></p> <p>Paper 4: A post-aggregation error record extraction based on naive Bayes for statistical survey enumeration <i>Kiyomi Shirakawa</i></p> <p>Paper 5: Selective editing approach: An application</p>

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		<p><i>Maysa Sacramento de Magalhaes, Rodrigo S. Von Doellinger, Pedro N. Silva</i></p> <p>Paper 6: Frequency tables disclosure control for the Abu Dhabi Census 2011</p> <p><i>Miriam Hodge, Hanan Aldarmaki</i></p> <p>Discussant(s) : -</p>
<p>CPS011</p> <p>27 August 2013</p> <p>[09:00 - 11:15]</p>	<p>Room S224</p>	<p>Applications of statistics: Actuarial science and environmental studies</p> <p>Organiser : -</p> <p>Chair : <i>Yip, Chun Yin</i></p> <p>Paper 1: Ensemble operational air quality in Europe - Improving modeling platforms with statistical modeling <i>Anthony Ung, Laure Malherbe, Frederik Meleux, Bertrand Bessagnet, Laurence Rouil</i></p> <p>Paper 2: Evaluation of statistical methods for forecasting mortality: The Lee-Carter method and its alternative <i>Taku Yamamoto, Hiroaki Chigira, Chisako Yamamoto</i></p> <p>Paper 3: Claim incidence models with varying exposure in automobile insurance <i>Linda Elin Walter</i></p> <p>Paper 4: A comparative study on the relationship between environment and economy based on the classical statistics and Bayesian statistics - A case study of Gansu province <i>Jun Li Wang, Dequn Zhou, Peng Zhou, Yongyu Wang, Maoxi Tian</i></p> <p>Paper 5: An ordered probit model for seismic intensity data <i>Clarissa Ferrari, Michela Cameletti, Valerio De Rubeis, Patrizia Tosi</i></p> <p>Paper 6: A technique of incorporating spatial dependence in MSSA forecasts <i>Richard Opaka Awichi</i></p> <p>Paper 7: Local atmospheric pollution evolution through time series analysis <i>Giuliana Passamani, Paola Masotti</i></p> <p>Discussant(s) : -</p>
<p>CPS103</p> <p>27 August 2013</p> <p>[09:00 - 11:15]</p>	<p>Hall 3G</p>	<p>Poster spotlight (3)</p> <p>Organiser : -</p> <p>Chair : <i>Suen, Athena Ka-Kwan</i></p> <p>Paper 1: Over-reporting of household consumption expenditure</p>

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		<p>estimates in the fifth round of Ghana living standards survey <i>Nicholas N.N. Nsowah-Nuamah, L. Munyakazi, J. Dede Anum</i></p> <p>Paper 2: Sectoral concentration in industry statistics - Opportunities and challenges <i>Kaisy King-Chi Hung</i></p> <p>Paper 3: Revision studies of Balance of Payments and International Investment Position statistics of Hong Kong <i>Matthew Tsz-Lim Wong, Kin Cheong Chan</i></p> <p>Paper 4: The Philippine statistical capacity building initiatives: Past and future <i>Jesusa Acab Pe Benito, Mary Ann C. Magtulis</i></p> <p>Paper 5: Seasonally adjusted time series <i>Mohamed Abd Elfattah</i></p> <p>Paper 6: Better targeting of social programs based on statistical evidence: An experimental approach <i>José E. Vila, José L. Cervera-Ferri, Penélope Hernández</i></p> <p>Paper 7: Right censored Rayleigh model: Shrinkage and reliability estimators <i>Johan Ferreira, A. Bekker, J.J.J. Roux, M. Arashi</i></p> <p>Paper 8: Management of public finance and sustainable growth in a developing country: The case of Cameroon <i>Ernestine Christine Alima Ndong</i></p> <p>Paper 9: The development of methodologies to better get information from health services in Brazil <i>Marco Antonio Ratzsch Andreazzi, Fatima Maderia, Sandra Pereira</i></p> <p>Paper 10: HIV/AIDs in peadiatrics: What has majorly caused its prevalence in rural Uganda? <i>Naiga Sarah Noah</i></p> <p>Paper 11: Cross-census assessment of age-sex ratios <i>Lara L. Cleveland</i></p> <p>Paper 12: The IPUMS International Census Microdata Project <i>Matthew Sobek, Patricia Kelly Hall, Lara L. Cleveland</i></p> <p>Paper 13: Exploristica - Adventures in statistics: A new itinerant exhibition for teaching and learning statistics <i>Pedro Moreira Campos</i></p> <p>Paper 14: Maximally robust designs for two-level main-effect plans <i>Shin-Fu Tsai, Chen-Tuo Liao</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 15: Statistics education for 4-9th students by developing a software K-Plots <i>Jung Jin Lee</i></p> <p>Paper 16: An analysis of online ratings data <i>Chiu-Hsing Weng, Chien-Lang Su, Sun-Hao Chang</i></p> <p>Paper 17: Data processing's role and issues in the 2010 round of Population and Housing Censuses: The case of Ghana <i>Kwadwo B. Danso-Manu, Samilia E. Mintah</i></p> <p>Paper 18: Principal subsets analysis <i>Maryam Tayefi Nasrabadi, Sharad Gore</i></p> <p>Discussant(s) : -</p>
IPS029 27 August 2013 [13:00 - 15:15]	Convention Hall A	<p>New advances in the design and analysis of experiments</p> <p>Organiser : <i>Woods, David</i></p> <p>Chair : <i>Woods, David</i></p> <p>Paper 1: A particle filter approach to Bayesian sequential design with a focus on model discrimination <i>James M. McGree, C.C. Drovandi, A.N. Pettitt</i></p> <p>Paper 2: Analysis of computer experiments with qualitative and quantitative factors <i>Chunfang Devon Lin, Xinwei Deng</i></p> <p>Discussant(s) : <i>Lewis, Susan</i></p>
IPS030 27 August 2013 [13:00 - 15:15]	Convention Hall C	<p>Inference for high dimensional data with low sample size</p> <p>Organiser : <i>Jung, Sungkyu</i></p> <p>Chair : <i>Feng, Xingdong</i></p> <p>Paper 1: Effective PCA for high-dimensional data and its applications <i>Makoto Aoshima, Kazuyoshi Yata</i></p> <p>Paper 2: A unified optimization framework for regularized multivariate analysis <i>Genevera I. Allen</i></p> <p>Paper 3: Some inference problems for the spiked covariance matrix in the high dimensional context <i>Addy Bolivar-Cime, Victor Perez-Abreu</i></p> <p>Paper 4: General consistency results of PCA in high dimension <i>Sungkyu Jung</i></p> <p>Discussant(s) : -</p>
IPS031 27 August 2013 [13:00 - 15:15]	Theatre 2	<p>Computing in R with large data</p> <p>Organiser : <i>Ostrouchov, George</i></p> <p>Chair : <i>Brouste, Alexandre</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 1: The YUIMA project: A computational framework for simulation and inference of stochastic differential equations <i>Stefano M. Iacus</i></p> <p>Paper 2: Parspatstat: An R package for large-scale spatial analysis with parallel computing <i>Hao Yu, Jonathan S.W. Lee, Reg J. Kulperger</i></p> <p>Paper 3: Distributed parallel clustering in R with large data <i>George Ostrouchov, Wei-Chen Chen</i></p> <p>Discussant(s) : -</p>
IPS032 27 August 2013 [13:00 - 15:15]	Room S421	<p>Building on foundation courses in statistics for client disciplines</p> <p>Organiser : <i>Phillips, Brian Richard</i></p> <p>Chair : <i>Petocz, Peter</i></p> <p>Paper 1: Challenging the state of the art in post-introductory statistics: Preparation, concepts, and pedagogy <i>Nathan L. Tintle, Beth Chance, George Cobb, Allan Rossman, Soma Roy, Todd Swanson, Jill VanderStoep</i></p> <p>Paper 2: Applied statistics for forensic psychology students <i>Denny H. Meyer, Brian Phillips, Joanna Dipnall</i></p> <p>Paper 3: Lessons from advanced statistics workshops for researchers in other disciplines <i>John Andrew Harraway</i></p> <p>Paper 4: A second course in statistics <i>Jeffrey A. Witmer</i></p> <p>Discussant(s) : <i>Bilgin, Ayse Aysin</i></p>
IPS033 27 August 2013 [13:00 - 15:15]	Room S228	<p>Matrix sampling, split-questionnaire: Design and estimation</p> <p>Organiser : <i>Merkouris, Takis</i></p> <p>Chair : <i>Nusser, Sarah M.</i></p> <p>Paper 1: Split questionnaire designs: Are they an efficient design choice? <i>David Steel, James O. Chipperfield, Margo L. Barr</i></p> <p>Paper 2: Split questionnaire design for massive surveys <i>Feray Adiguzel, Michel Wedel</i></p> <p>Paper 3: Split questionnaire design for panel surveys <i>Trivellore Eachambadi Raghunathan</i></p> <p>Paper 4: Integration of matrix sampling and multiple-frame methodology <i>John L. Eltinge</i></p> <p>Discussant(s) : <i>Merkouris, Takis</i></p>

Session Code / Date [Time]	Venue	Session / Paper
IPS035 27 August 2013 [13:00 - 15:15]	Room S428	<p>Advances in generalized linear and nonlinear mixed model with environmental applications</p> <p>Organiser : <i>Ma, Renjun</i></p> <p>Chair : <i>Ma, Renjun</i></p> <p>Paper 1: Poisson nonlinear mixed models for dose-response curve data <i>Yanan Fan, R. Ma</i></p> <p>Paper 2: Error controls in multiple testing under dependence <i>Youngjo Lee, Donghwan Lee</i></p> <p>Paper 3: Analysis of water quality data using generalized linear model with multivariate non-normal random effects <i>Abdel El-Shaarawi</i></p> <p>Discussant(s) : <i>Shao, Quanxi</i></p>
IPS036 27 August 2013 [13:00 - 15:15]	Theatre 1	<p>History II: Pierre Remond de Montmort, Thomas Bayes, and probability in China</p> <p>Organiser : <i>Li, Wai Keung</i></p> <p>Chair : <i>Li, Wai Keung</i></p> <p>Paper 1: Après 1713: Bernoulli, Montmort et Waldegrave <i>David R. Bellhouse</i></p> <p>Paper 2: A conjecture on why Bayes did not send off his essay <i>Kai Wang Ng</i></p> <p>Paper 3: Transmission of probability theory into China <i>Man Keung Siu, Ko Wei Lih</i></p> <p>Discussant(s) : <i>Stigler, Stephen M.</i></p>
IPS104 27 August 2013 [13:00 - 15:15]	Convention Hall B	<p>Research, collaborations, and opportunities at the international level: A panel discussion</p> <p>Organiser : <i>Nair, Vijay N.</i></p> <p>Chair : <i>Nair, Vijay N.</i></p> <p>Paper 1: Panel discussion <i>Zhi-Ming Ma</i></p> <p>Paper 2: Panel discussion <i>Bimal Roy</i></p> <p>Paper 3: Panel discussion <i>Ron Wasserstein</i></p> <p>Discussant(s) : -</p>
STS010 27 August 2013 [13:00 - 15:15]	Room S423	<p>Latent variable modeling of complex survey data</p> <p>Organiser : <i>Biemer, Paul Philip</i></p> <p>Chair : <i>Clark, Cynthia Z.F.</i></p> <p>Paper 1: Issues in structural equation modeling of complex</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>survey data <i>Stephen J. Tueller, Kenneth A. Bollen, Daniel L. Oberski</i></p> <p>Paper 2: Multilevel multidimensional item response modeling for complex survey data with application to large-scale educational assessments <i>Li Cai</i></p> <p>Paper 3: Issues surrounding Markov latent class analysis for assessing measurement error in complex surveys: A case study using the National Crime Victimization Survey <i>Marcus Berzofsky, Paul P. Biemer</i></p> <p>Paper 4: Conditional design effects for SEM estimates <i>Daniel L. Oberski</i></p> <p>Discussant(s) : <i>Skinner, Chris J.</i></p>
<p>STS024 27 August 2013 [13:00 - 15:15]</p>	<p>Room S425</p>	<p>New ways to measure global value chains</p> <p>Organiser : <i>Behrens, Axel</i></p> <p>Chair : <i>Behrens, Axel</i></p> <p>Paper 1: A measurement framework and a narrative on global value chains and economic globalisation <i>Merja Hult, Timothy J. Sturgeon, Pekka Alajääskö</i></p> <p>Paper 2: Linking trade statistics and business registers in a developing country context <i>Ronald Jansen, Luis Gonzalez Morales, Odilia Bravo Cambronero, Ana Mercedes Umaña</i></p> <p>Paper 3: Measurement of trade in value-added: Using Chinese input-output tables capturing processing trade <i>Cuihong Yang, Chen Xikang, Duan Yuwan, Jiang Xuemei, Pei Jiansuo, Xu Jian, Yang Lianling, Zhu Kunfu</i></p> <p>Paper 4: International trade in value added: Trade statistics and trade policy implications the WTO perspective <i>Andreas Maurer, Christophe Degain</i></p> <p>Paper 5: Measuring international organisation of enterprises and sourcing of business functions <i>Peter Bøegh Nielsen</i></p> <p>Discussant(s) : <i>Ahmad, Nadim</i></p>
<p>STS037 27 August 2013 [13:00 - 15:15]</p>	<p>Room S222</p>	<p>Real estate price statistics</p> <p>Organiser : <i>Barcellan, Roberto</i></p> <p>Chair : <i>Quiros, Gabriel</i></p> <p>Paper 1: Real estate prices: Methodological frameworks - The international handbooks on residential property price indices and</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>commercial property price indices <i>David Fenwick</i></p> <p>Paper 2: ECB progress towards a European Commercial Property Price Index <i>Andrew Kanutin</i></p> <p>Paper 3: Sparse data and commercial property price indexes <i>Mick Silver, Brian Graf</i></p> <p>Paper 4: Real estate price statistics - Relevance, links and challenges <i>Roberto Barcellan</i></p> <p>Paper 5: Property price statistics for Ireland - Data sources and compilation issues <i>Niall O'Hanlon</i></p> <p>Discussant(s) : <i>van de Ven, Peter</i></p>
<p>STS039 27 August 2013 [13:00 - 15:15]</p>	<p>Room S223</p>	<p>Measuring progress at local level</p> <p>Organiser : <i>Pratesi, Monica</i></p> <p>Chair : <i>Pratesi, Monica</i></p> <p>Paper 1: Estimating inequalities at local level in Italy <i>Stefano Marchetti</i></p> <p>Paper 2: Measuring change of poverty estimates on small area level <i>Jan Pablo Burgard, Ralf T. Münnich, Stefan B. Zins</i></p> <p>Paper 3: Repeated regular sample survey-based monitoring for food security and child nutrition <i>Stephen J. Haslett</i></p> <p>Paper 4: Environmental features and subjective well being in Italy: A local level analysis <i>Luigi Biggeri, Tiziana Laureti, Luca Sceondi</i></p> <p>Discussant(s) : <i>Morrone, Adolfo</i></p>
<p>STS051 27 August 2013 [13:00 - 15:15]</p>	<p>Room S225</p>	<p>Source and feature detection in astronomy</p> <p>Organiser : <i>Hilbe, Joseph M.</i></p> <p>Chair : <i>Fan, Xiaodan</i></p> <p>Paper 1: Bayesian object detection in astrophysics <i>Farhan Feroz, Mike Hobson</i></p> <p>Paper 2: Have we seen a signal yet? A necessary condition for claiming discovery <i>Bodhisattva Sen, Michael Woodroffe</i></p> <p>Paper 3: Detecting dark matter signatures in Fermi/LAT Gamma-Ray data</p>

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		<p><i>Roberto Trotta</i></p> <p>Paper 4: A Bayesian hypothesis test</p> <p><i>Daniel J. Mortlock</i></p> <p>Paper 5: Cosine directions using Rao-Blackwell theorem and Hausdorff metric in Quasars</p> <p><i>Byron E. Bell</i></p> <p>Discussant(s) : <i>Hilbe, Joseph M.</i></p>
<p>STS058</p> <p>27 August 2013</p> <p>[13:00 - 15:15]</p>	<p>Room S427</p>	<p>Frontiers in quantile regression</p> <p>Organiser : <i>Dette, Holger</i></p> <p>Chair : <i>Dette, Holger</i></p> <p>Paper 1: Nonparametric series quantile regression: Modeling, estimation and inference</p> <p><i>Ivan Fernandez-Val, Alexandre Belloni, Victor Chernozhukov</i></p> <p>Paper 2: Of quantiles, copulas, ranks and spectra: An L1 approach to spectral analysis</p> <p><i>Stanislav Volgushev, Holger Dette, Marc Hallin, Tobias Kley</i></p> <p>Paper 3: Quantile analysis for human quantitative traits in GWAS data</p> <p><i>Ying Wei, Mengling Liu, Iuliana Lonita Laza</i></p> <p>Paper 4: Quantile estimation for nonstationary time series</p> <p><i>Wei Biao Wu</i></p> <p>Discussant(s) : <i>Hallin, Marc</i></p>
<p>STS080</p> <p>27 August 2013</p> <p>[13:00 - 15:15]</p>	<p>Room S426</p>	<p>The use of microeconomic data in compiling macroeconomic statistics</p> <p>Organiser : <i>Higo Masahiro, Sakuraba Chihiro</i></p> <p>Chair : <i>Higo, Masahiro</i></p> <p>Paper 1: Who faces higher prices? An empirical analysis based on Japanese Homescan Data</p> <p><i>Naohito Abe, Kyosuke Shiotani</i></p> <p>Paper 2: How micro data can contribute to an extended macro statistical framework for the assessment of stability?</p> <p><i>Tardos Ágnes</i></p> <p>Paper 3: Impact and benefits of micro-databases' integration on the statistics of the Banco de Portugal</p> <p><i>Paula Menezes, Luís D'Aguiar</i></p> <p>Paper 4: Improving the real sector confidence index for Turkey as a leading macroeconomic indicator</p> <p><i>Özgül Atılğan Ayanoglu, Emine Meltem Baştan, Gülsüm Çınar Dolgun</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 5: Analyzing stakeholder data: Capturing community conditions, economic inclusion and emerging issues <i>Bárbara J. Robles, Joseph A. Firschein</i></p> <p>Discussant(s) : <i>Acx, Rudi</i></p>
<p>STS086 27 August 2013 [13:00 - 15:15]</p>	<p>Room S226</p>	<p>Latest development in national censuses</p> <p>Organiser : <i>Chen, Song Xi</i></p> <p>Chair : <i>Chen, Song Xi</i></p> <p>Paper 1: Evaluating the performance of coverage assessment and adjustment for the 2011 Census: What can we learn for the future? <i>James J. Brown, Owen Abbott</i></p> <p>Paper 2: Results and products from the Census Coverage Measurement Program for the 2010 U.S. Census <i>Scott Konicki</i></p> <p>Paper 3: The census systems of China: Formulation and development <i>Fujiang Liu</i></p> <p>Paper 4: Local post-stratification in censuses <i>Cheng Yong Tang</i></p> <p>Discussant(s) : -</p>
<p>STS093 27 August 2013 [13:00 - 15:15]</p>	<p>Room S424</p>	<p>Semiparametric inference and variable selection</p> <p>Organiser : <i>Wang, Qihua</i></p> <p>Chair : <i>Wang, Qihua</i></p> <p>Paper 1: Composite quantile regression for the receiver operating characteristic curve <i>Xiaogang Duan, Xiao-Hua Zhou</i></p> <p>Paper 2: Statistical inference for right-censored data with nonignorable missing censoring indicators <i>Zhihua Sun, Tianfa Xie, Hua Liang</i></p> <p>Paper 3: Efficient estimation and model selection for single-index varying-coefficient models <i>Peng Lai, Qingzhao Zhang, Heng Lian, Qihua Wang</i></p> <p>Paper 4: On a partially linear single-index transformation model and its nonparametric estimation <i>Xiao-Hua Zhou, Xiaobo Ding, Qihua Wang</i></p> <p>Paper 5: Dimension reduction based linear surrogate variable approach for model free variable selection <i>Pengjie Dai, Xiaobo Ding, Qihua Wang</i></p> <p>Discussant(s) : <i>Geng, Zhi</i></p>

Session Code / Date [Time]	Venue	Session / Paper
CPS003 27 August 2013 [13:00 - 15:15]	Room S224	<p>Official statistics: Economic statistics</p> <p>Organiser : -</p> <p>Chair : <i>Wang, Osbert W.Y.</i></p> <p>Paper 1: Capitalisation of research and development expenditure in Gross Domestic Product <i>Daniel Kin-Leung Chan</i></p> <p>Paper 2: Development and application of Statistical Business Register Guidelines in African countries <i>Michael J. Colledge, Besa Muwele</i></p> <p>Paper 3: Building a new system of business statistics in Moldova: The experience and vision for the future <i>Oleg Cara, Ion Partachi, Lilian Galer, Iurie Mocanu</i></p> <p>Paper 4: Changing landscape of Hong Kong's retail sales <i>Christine M.C. Cheung</i></p> <p>Paper 5: Business Survey Frame for coordinated statistical production <i>Masato Aida</i></p> <p>Paper 6: Sovereign debt, investment and economic growth in Cameroon <i>Borel Ntsafack Nguimfack, William Ngamou</i></p> <p>Paper 7: Small domain estimation applied to the Brazilian service annual survey <i>Denise Britz do Nascimento Silva, Andre Felipe Azevedo Neves, Solange Correa Onel</i></p> <p>Discussant(s) : -</p>
CPS012 27 August 2013 [13:00 - 15:15]	Room S429	<p>Applications of statistics: Reliability and quality improvement</p> <p>Organiser : -</p> <p>Chair : <i>Ng, Louis F.K.</i></p> <p>Paper 1: Reliability and profit analysis of a computer system with hardware repair and software replacement subject to conditional arrival time of server <i>Suresh Chander Malik</i></p> <p>Paper 2: Analysis of a computer system with arrival time of the server and priority to h/w repair over s/w replacement <i>Joginder Kumar Sureria</i></p> <p>Paper 3: Correlation paradox of binary classification system <i>Tamar Gadrich, Emil Bashkansky</i></p> <p>Paper 4: Multi-criteria variable selection for process monitoring</p>

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		<p><i>Luan Jaupi, Philippe Durand, Dariush Ghorbanzadeh, Dyah E. Herwindiati</i></p> <p>Paper 5: Designed experiments in development of a predictive index for pancreas cancer</p> <p><i>Klaus Kaae Andersen, Julia S. Johansen, Nicolai A. Schultz, Christian Dehlendorff</i></p> <p>Paper 6: A general bias correction method for the estimation of Weibull common shape parameter</p> <p><i>Yan Shen</i></p> <p>Paper 7: Bootstrap confidence interval for modified linear regression estimation of the population mean</p> <p><i>Sri Haryatmi kartiko</i></p> <p>Paper 8: Quantifying nanoparticle dispersion in polymer nanocomposites using TEM micrographs</p> <p><i>Xiaodong Li, Jionghua Jin, Dawei Huang, Dan Yu, Zhong Zhang, Hui Zhang</i></p> <p>Discussant(s) : -</p>
<p>CPS111 27 August 2013 [13:00 - 15:15]</p>	<p>Hall 3G</p>	<p>Poster spotlight (11)</p> <p>Organiser : -</p> <p>Chair : <i>Sam, Desmond Wai-Kin</i></p> <p>Paper 1: Research on theoretical innovation and implementation on modern enterprise's statistical functions in China</p> <p><i>Yanming Wang, Zhonghui Wang, Jing Yuan</i></p> <p>Paper 2: Crime and corruption: An international empirical study</p> <p><i>Huaiyu Zhang</i></p> <p>Paper 3: The differences of micro data and macro data used in statistical analysis: C-D production function</p> <p><i>Wangyue Li, Ting Dai</i></p> <p>Paper 4: The application of statistical methods in Chinese Journal of Nuclear Medicine and Molecular Imaging</p> <p><i>Fang Lin, Ya Fang</i></p> <p>Paper 5: System dynamic models in the economic evaluation of Human Papillomavirus Vaccine: A review of recent progress</p> <p><i>Xiaobin Song, Ya Fang</i></p> <p>Paper 6: An international comparative study on the degree of difficulty of primary school mathematics textbooks</p> <p><i>Kong-Xiu Kuang, Nai-Qing Song, Qing-You Cai</i></p> <p>Paper 7: On the true face of the economic statistics</p> <p><i>Yu Zhu, Xiaoru Chen, Lei Wang</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 8: After higher education expansion the college wage premium is increased or decreased? <i>Xu Sun, Ji Luo</i></p> <p>Paper 9: Multilevel models for network meta-analysis <i>Ning Li, Yaoguang Lao, Siu-Wai Leung</i></p> <p>Paper 10: The grey system analysis of energy consumption structure change in Xinjiang in the context of low-carbon economy <i>Yue Wang, Han Ke</i></p> <p>Paper 11: The comparison of sampling precision under the cost fixed condition <i>Zhiqiang Pang, Lixia Wang</i></p> <p>Paper 12: A method for detecting outliers in survey data by ratio tests <i>Bangwen Cheng, Hongjin Yang, Linfen Shi, Yali Wang, Ji Xu</i></p> <p>Paper 13: The research of intrinsic mechanism of economic development - Empirical analysis of Jiangsu economic development <i>Rongrong Zhou</i></p> <p>Paper 14: Statistical methods applied in physics <i>Boyuan Zhang</i></p> <p>Paper 15: Construction of evaluation model of equilibrium allocation of basic education resources in Chongqing <i>Yali Zhu, Naiqing Song</i></p> <p>Discussant(s) : -</p>
IPS034 27 August 2013 [15:30 - 17:45]	Theatre 1	<p>Applied stochastic models in Business and Industry journal session</p> <p>Organiser : <i>Ruggeri, Fabrizio</i></p> <p>Chair : <i>Banks, David</i></p> <p>Paper 1: Component-based predictive and exploratory path modeling and multi-block data analysis <i>Vincenzo Esposito Vinzi, Laura Trinchera</i></p> <p>Discussant(s) : <i>Chin Wynne W., Coleman Shirley Yvonne, Ruggeri Fabrizio, Saporta Gilbert</i></p>
IPS037 27 August 2013 [15:30 - 17:45]	Theatre 2	<p>Dependence in extremes</p> <p>Organiser : <i>Fasen, Vicky</i></p> <p>Chair : <i>Podolskij, Mark</i></p> <p>Paper 1: Estimation of the marginal expected shortfall: The mean when a related variable is extreme</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>John H.J. Einmahl, Juan-Juan Cai, Laurens De Haan, Chen Zhou</i></p> <p>Paper 2: Large deviations for empirical measures arising in importance sampling <i>Henrik Hult, Pierre Nyquist</i></p> <p>Paper 3: The art of seeking hidden risks <i>Sidney I. Resnick</i></p> <p>Paper 4: Hidden regular variation: Fine-tuning risk assessment <i>Bikramjit Das, Abhimanyu Mitra, Sidney Resnick</i></p> <p>Discussant(s) : -</p>
IPS038 27 August 2013 [15:30 - 17:45]	Room S421	<p>Time use surveys - Experiences and perspectives for the future</p> <p>Organiser : <i>Stoertzbach, Bernd</i></p> <p>Chair : <i>von Oppeln-Bronikowski, Sibylle</i></p> <p>Paper 1: German Time Use Survey 2012/13 <i>Anette Stuckemeier, Carola Kühnen</i></p> <p>Paper 2: Experiences with the light-version time diary in Finland <i>Hannu Pääkkönen</i></p> <p>Paper 3: Efforts to understand and improve response to the American Time Use Survey <i>Rachel Krantz-Kent</i></p> <p>Paper 4: Collecting measures of subjective well-being in time use surveys <i>Layla Ricroch</i></p> <p>Discussant(s) : <i>Van Halderen, Gemma</i></p>
IPS040 27 August 2013 [15:30 - 17:45]	Convention Hall C	<p>Megaclasses in statistics education: A 360 degrees view</p> <p>Organiser : <i>Ograjenšek, Irena</i></p> <p>Chair : <i>Gal, Iddo</i></p> <p>Paper 1: Thirty five years of mega classes and still evolving <i>Jessica Utts</i></p> <p>Paper 2: Learning statistics in an Australian mega-class - The view from students, lecturers and researchers <i>Peter Petocz</i></p> <p>Paper 3: Dealing with megaclasses in an online environment <i>Kay Lipson</i></p> <p>Paper 4: Megaclasses in statistics education: Establishing a research framework in a complex domain <i>Irena Ograjenšek, Iddo Gal</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		Discussant(s) : <i>Wild Chris J., Yamaguchi Kazunori</i>
IPS041 27 August 2013 [15:30 - 17:45]	Room S228	Rankings, use of ranks, and survey sampling Organiser : <i>Wright, Tommy</i> Chair : <i>Klein, Martin</i> Paper 1: An overview of some concepts for potential use in ranking populations based on sample survey data <i>Tommy Wright, Martin Klein, Jerzy Wieczorek</i> Paper 2: Ranking methods that address explicit goals <i>Thomas A. Louis</i> Paper 3: Ranking methods for high-dimensional data <i>Peter Gavin Hall</i> Discussant(s) : <i>Tillé, Yves</i>
IPS042 27 August 2013 [15:30 - 17:45]	Room S428	Recent advances in failure time data analysis Organiser : <i>Sun, Yanqing</i> Chair : <i>Chen, Kani</i> Paper 1: Joint analysis of bivariate longitudinal ordinal outcomes and competing risks survival times with nonparametric distributions for random effects <i>Ning Li, Robert M. Elashoff, Gang Li, Chi-Hong Tseng</i> Paper 2: Quantile regression in varying-coefficient models under length-biased sampling with right censoring <i>Yong Zhou, Xuerong Chen, Alan T.K. Wan</i> Paper 3: Testing mark-specific vaccine efficacy with missing marks <i>Yanqing Sun, Peter B. Gilbert</i> Paper 4: Estimating dependence in multivariate competing risks data <i>Thomas H. Scheike</i> Discussant(s) : <i>Zhao, Xingqiu</i>
IPS043 27 August 2013 [15:30 - 17:45]	Convention Hall A	Measuring the real size of the world economy: Methodological and quality improvements of the International Comparison Program (ICP) Organiser : <i>Mouyelo-Katoula, Michel</i> Chair : <i>Mouyelo-Katoula, Michel</i> Paper 1: Improved methods to estimate PPPs for ICP 2011 and possible impact on results <i>Frederic A. Vogel, Paul Konijn</i> Paper 2: Quality assurance framework and enhanced data validation procedures for ICP price surveys

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Nada Hamadeh, Majed Skaini</i> Paper 3: GDP exhaustiveness, consistency, and methods of estimating GDP expenditure values in the context of international comparisons <i>Chellam Palanyandy, Kyung Sam Min, Michel Mouyelo-Katoula</i> Paper 4: Improved PPP extrapolation approaches <i>Paul McCarthy, Nada Hamadeh</i> Discussant(s) : <i>Chinganya, Oliver J.M.</i></p>
IPS097 27 August 2013 [15:30 - 17:45]	Room S225	<p>Statistical analysis of complex data</p> <p>Organiser : <i>Cheng, Wei-hu</i> Chair : <i>Geng, Zhi</i> Paper 1: Empirical likelihood for estimating equations with nonignorably missing data <i>Niansheng Tang, Puying Zhao, Hongtu Zhu</i> Paper 2: Analyzing longitudinal data with informative observation and terminal event times <i>Liuquan Sun</i> Paper 3: Estimating a unitary effect summary based on combined survival and quantitative <i>Huazhen Lin, Yi Li, Ming T. Tan</i> Paper 4: Generalized semiparametric latent variable models for analyzing multidimensional and mixed mode data <i>Xinyuan Song</i> Discussant(s) : -</p>
IPS114 27 August 2013 [15:30 - 17:45]	Convention Hall B	<p>International Year of Statistics and Karl Pearson Lecture</p> <p>Organiser : <i>Lee, Jae Chang</i> Chair : <i>Lee, Jae Chang</i> Paper 1: Special presentation about The International Year of Statistics 2013 <i>Ron Wasserstein</i> Paper 2: Karl Pearson Lecture: Statistical issues in modern scientific research <i>Peter McCullagh</i> Discussant(s) : -</p>
STS008 27 August 2013 [15:30 - 17:45]	Room S423	<p>Bayesian spatial modelling with application to health and survival in sub-Saharan Africa</p> <p>Organiser : <i>Kandala, Ngianga-Bakwin</i> Chair : <i>Kandala, Ngianga-Bakwin</i> Paper 1: A Bayesian two-part model applied to analyze risk</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>factors of adult mortality in Namibia <i>Lawrence N. Kazembe</i></p> <p>Paper 2: Age-gender specific spatio-temporal trends of small area mortality in South Africa, 1997–2010 <i>Samuel O.M. Manda</i></p> <p>Paper 3: Modelling immunisation coverage in Nigeria: A Bayesian structured additive regression approach <i>Samson Babatunde Adebayo, Waheed Babatunde Yahya</i></p> <p>Paper 4: Application of Bayesian geo-additive mixed latent variable model to the child’s health problems <i>Khaled Khatab</i></p> <p>Paper 5: An exploratory spatial analysis of geographical inequalities of birth intervals among young women in the Democratic Republic of Congo (DRC) <i>Tobias Chirwa, Felly Kinziunga Kinziunga, Jocelyn Nzinunu Mantempa, Joseph Desire Kandala, Ngianga-Bakwin Kandala</i></p> <p>Discussant(s) : <i>Ghilagaber, Gebrenegus</i></p>
<p>STS019 27 August 2013 [15:30 - 17:45]</p>	<p>Room S427</p>	<p>Probability forecasting</p> <p>Organiser : <i>Dawid, A. Philip</i></p> <p>Chair : <i>Haslett, John</i></p> <p>Paper 1: Probabilistic weather forecasting <i>Tilmann Gneiting</i></p> <p>Paper 2: Multidimensional local scoring rules <i>Matthew Parry</i></p> <p>Paper 3: Local scoring rules: A versatile tool for inference <i>Monica Musio, Philip Dawid</i></p> <p>Paper 4: Probabilistic forecast paths in economics and finance <i>Shaun P. Vahey, Elizabeth C. Wakerly</i></p> <p>Paper 5: Probabilistic forecasts of wind power generation by stochastic differential equation models <i>Henrik Madsen, Jan Kloppenborg Møller, Pierre Pinson</i></p> <p>Discussant(s) : <i>Dawid, A. Philip</i></p>
<p>STS022 27 August 2013 [15:30 - 17:45]</p>	<p>Room S223</p>	<p>Difference-based variance estimation in nonparametric regression</p> <p>Organiser : <i>Tong, Tiejun</i></p> <p>Chair : <i>Liu, Anna</i></p> <p>Paper 1: Optimal variance estimation without estimating the mean function <i>Yuedong Wang, Tiejun Tong, Yanyuan Ma</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 2: Further variance reduction and bias elimination for nonparametric kernel estimation <i>Yebin Cheng, Ming-Yen Cheng, Tiejun Tong</i></p> <p>Paper 3: Difference-based variance estimation in nonparametric regression with repeated measurements <i>Tiejun Tong, Yanyuan Ma, Wenlin Dai, Lixing Zhu</i></p> <p>Paper 4: Variance estimation in the analysis of microarray data <i>Yanyuan Ma, Yuedong Wang, Raymond J. Carroll</i></p> <p>Discussant(s) : <i>Peng, Heng</i></p>
<p>STS025 27 August 2013 [15:30 - 17:45]</p>	<p>Room S425</p>	<p>New approaches for agricultural statistics</p> <p>Organiser : <i>Steiner, Michael Allen</i></p> <p>Chair : <i>Steiner, Michael Allen</i></p> <p>Paper 1: Integration of agricultural census and population census data <i>Eva Laczka</i></p> <p>Paper 2: Use of significance editing for agricultural surveys <i>Wendy J. Barboza, James M. Harris</i></p> <p>Paper 3: Developing an agricultural statistics strategy for South Africa <i>Moses Mnyaka, Edmund Kibuuka</i></p> <p>Paper 4: Remote sensing application in China's crop acreage estimation <i>Wei Zhou</i></p> <p>Paper 5: A 2020 round of agricultural surveys <i>Flavio P. Bolliger</i></p> <p>Paper 6: Agricultural productivity growth in the United States: Measurement, drivers, and impacts <i>Sun Ling Wang</i></p> <p>Discussant(s) : -</p>
<p>STS029 27 August 2013 [15:30 - 17:45]</p>	<p>Room S222</p>	<p>Practicalities in measuring intangible assets</p> <p>Organiser : <i>van de Ven, Peter</i></p> <p>Chair : <i>van de Ven, Peter</i></p> <p>Paper 1: The measurement of intangible assets in the national accounts and growth accounts of the Netherlands <i>Mark de Haan, Myriam van Rooijen-Horsten, Murat Tanriseven, Erik Veldhuizen</i></p> <p>Paper 2: Intangible assets in the SNA: Measurement and considerations for productivity estimates <i>Nadim Ahmad</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 3: Coming to grips with intangibles <i>Branko Vitas, Getachew A. Tessema</i></p> <p>Paper 4: The measurement of artistic originals in the UK <i>Louisa Nolan, Darren Morgan, Paul Smith</i></p> <p>Discussant(s) : -</p>
<p>STS070 27 August 2013 [15:30 - 17:45]</p>	<p>Room S226</p>	<p>Beyond the new public management theory: Understanding NSO operations in a changing environment</p> <p>Organiser : <i>Bond, Derek</i></p> <p>Chair : <i>Bond, Alanna Julie</i></p> <p>Paper 1: Impact of new public management theory on NSOs: An international case study <i>Derek Bond, Elaine Ramsey</i></p> <p>Paper 2: The development and present status of statistics on basic characteristics of cities in China <i>Xiaolong Chen</i></p> <p>Paper 3: UK official statistics - From new public management to public value <i>Richard Laux</i></p> <p>Paper 4: Open data, open cities. Case Helsinki region infoshare www.hri.fi <i>Asta Manninen</i></p> <p>Paper 5: New public management in an economic crisis - Reflections from CSO Ireland <i>Padraig Dalton</i></p> <p>Discussant(s) : <i>Palmer, Jonathan J.</i></p>
<p>STS083 27 August 2013 [15:30 - 17:45]</p>	<p>Room S424</p>	<p>Improving measures of capital flows including speculative flows</p> <p>Organiser : <i>Toh, Hock Chai</i></p> <p>Chair : <i>Toh, Hock Chai</i></p> <p>Paper 1: Global flow-of-funds: Mapping bilateral geographic flows <i>Luca Errico, Richard Walton, Alicia Hierro, Hanan AbuShanab, Goran Amidzic</i></p> <p>Paper 2: Risks associated with international capital flows <i>Paul Van Den Bergh</i></p> <p>Paper 3: Cross-border capital flows on gross basis <i>Lydia Troshina</i></p> <p>Paper 4: Gaps in capital flows surveillance: Dealing with flow and valuation effects in non-resident equity holdings</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Tengku Muhammad Azlan Ariff, Jarratt Ma</i> Paper 5: Evolution of the capital flows to the Brazilian economy after 2008 <i>Katherine Hennings, Fernando Alberto Rocha</i> Paper 6: Capturing portfolio flows statistics - Purpose for use matters <i>Zeph Nhleko</i> Discussant(s) : <i>Fournier, Jacques</i></p>
<p>CPS202 27 August 2013 [08:30 - 17:45]</p>	<p>Hall 3G</p>	<p>Poster display Day 2</p> <p>Organiser : - Chair : -</p> <p>Paper 1: On the estimation of a scaled Weibull distribution of rainfall data of south west Nigeria <i>Taofik Oyedele Dauda, Nurain A. Akintoye, Adewale O. Adetayo</i></p> <p>Paper 2: A historical note on the Harvard College Observatory Announcement Cards: Elizabeth L. Scott at the intersection of statistics and astronomy <i>Dan G. Molgaard, Amanda L. Golbeck</i></p> <p>Paper 3: Using the cross sectional survey design to determine knowledge levels in ways of preventing HIV, rejecting major misconceptions and the correct steps on condom use in Uganda <i>Annet Namunane, Grace Nekesa</i></p> <p>Paper 4: Demographic and socio-economic predictors of awareness about condom use in four regions of Ethiopia <i>Yonas Kassa Kerago</i></p> <p>Paper 5: Academic history and disciplinary development of Chinese statistics of education <i>Celi Liang</i></p> <p>Paper 6: HIV risk behaviours among teachers in Uganda <i>Lillian Ayebale, Lynn Atuyambe, William Bazeyo, Erasmus Otolok Tanga</i></p> <p>Paper 7: Estimating the resilience of crops to climate change using agricultural statistics <i>Dramane Bako</i></p> <p>Paper 8: The shortcut of diagnosis and correction of heteroscedastic model studies based on the software of Eviews <i>Ting Shan Song, Siliang Guo</i></p> <p>Paper 9: Attitude towards abortion and contraception in Nigerian academic institutions</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Samuel Oluwaseun Adeyemo, F.N. Nwobi</i> Paper 10: Survival analysis of loan repayment rate of customers of Hawassa District Commercial Bank</p> <p><i>Cheru Atsmegiorgis Kitabo</i> Paper 11: Assessing awareness of organizations about millennium development goals and the role of statistics in them: The case of eastern Hararghe, Oromiya, Ethiopia</p> <p><i>Abdi Mohammed Musse, Adem K. Geleto</i> Paper 12: Underlying determinants of stunting among under-5 children in Ugandan cattle corridors</p> <p><i>Gilbert Habaasa</i> Paper 13: Infant morbidity assessment in South Africa</p> <p><i>Evidence Simbarashe Matangi</i> Paper 14: Research on inclination of migrant workers for urbanization in China from 1989 to 2010</p> <p><i>Yixiang Huang, Xiaoyang Li, Yunlei Peng, Turki Ghassan</i> Paper 15: Factors associated with increasing number of street children in Kampala</p> <p><i>Kevin Adikini</i> Paper 16: A new family of quantiles estimators with P-auxiliary information in successive sampling</p> <p><i>Hulya Cingi, Nursel Koyuncu</i> Paper 17: Correlates of sanitation coverage among rural households in southern Ethiopia</p> <p><i>Alehegn Worku Engdaw</i> Paper 18: Assessing factors affecting breast feeding status among children aged below five years in western Uganda</p> <p><i>Jonan Natamba</i> Paper 19: Electricity consumption and GDP growth in Hong Kong</p> <p><i>Wai Lok Chan, Wai Hung Fan, Lam Li</i> Paper 20: Willingness-to-pay for improved sanitation among rural communities in Kabarole district</p> <p><i>Agaba Francis</i> Paper 21: Modification of CHF and BIC coefficients for evaluation of clustering with mixed type variables</p> <p><i>Tomas Löster, Tomas Pavelka</i> Paper 22: Challenges of improving the statistical literacy and skills in Sri Lanka: Small country experiences</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Thenuwara Archachige Dharmaratne</i> Paper 23: Regional disparities of unemployment rates in regions of Slovakia and Czech Republic <i>Silvia Megyesiová, Vanda Lieskovská</i> Paper 24: Use of spatial analysis for woman participation in labor market <i>Reem Ismail Elsybaey, Mahmoud Mohamed Elsarawy</i> Paper 25: Best practices in user participation: Recent experiences at the Brazilian Institute of Geography and Statistics <i>Andrea Diniz Da Silva, Elizabeth Belo Hypolito, Flavio Pinto Bolliger</i> Paper 26: Quality of midwifery care provided in Soroti district, Uganda <i>Resty Nansubuga</i> Paper 27: A class of multivariate extreme value distributions with heterogeneous margins <i>Salvatore Bologna</i> Paper 28: Statistical power analysis for construct validity <i>Wei Chen, Jingfu Zhang</i> Paper 29: Determinants of utilization of antenatal care offered by health professionals in sub-Saharan Africa. A case study of central Uganda <i>Farouk Ssekisaka</i> Paper 30: Testing methods of mean difference for longitudinal data based on stationary bootstrap <i>Hirohito Sakurai, Masaaki Taguri</i> Paper 31: Statistical analysis of patients' satisfaction with hospital services: A case study at Shashmene and Hawassa University Referral Hospitals, Ethiopia Tariku Tesfaye Haile Paper 32: Predicting rainfall and drought at least a year in advance in Zimbabwe using climatic determinants (Darwin and Southern Oscillation Indices) Delson Chikobvu, Retius Chifurira Paper 33: Documentation metadata of household survey based on DII and DCMI standards (the experience of CAPMAS in this field) Waleed Abdelkhalik Mohammed Abfdan/Ameen Paper 34: Performance bounds for the distribution-generated</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>universal portfolio Choon Peng Tan Paper 35: Statistics education exploration in elementary education of mathematics Yangkai Zhang Paper 36: Completion of a full course of primary schooling among all children everywhere by 2015: A case of sub-Saharan Africa Robert Wamala Paper 37: On modeling and estimation of response probabilities when missing data are not missing at random Michail Sverchkov Paper 38: Determining the number of clusters in a data set via repeated data clustering into two clusters Jerzy Korzeniewski Paper 39: Outlier robust block bootstrap fitting of linear mixed models <i>Payam Mokhtarian</i> Paper 40: Fractal geometry of a dendrogram <i>Francisco Casanova-Del-Angel</i> Paper 41: Generalizations of Tukey distributions <i>Czeslaw Domanski, Katarzyna Bolonek-Lason</i> Paper 42: Estimation of dimension based on certain information criterion in correspondence analysis <i>Toru Ogura, Yasunori Fujikoshi</i> Paper 43: Evaluation of hotspot detection method based on echelon structure <i>Fumio Ishioka, Koji Kurihara</i> Paper 44: The decomposition income inequality according to Fields method and the Shapley value approach <i>Rosalba Manna, Regoli Andrea</i> Paper 45: Synchronized rebasing of price indices in the Philippines <i>Madeline Dumaua Cabauatan, Eleanore V. Ramos</i> Discussant(s) : -</p>

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Session Code / Date [Time]	Venue	Session / Paper
IPS044 28 August 2013 [09:00 - 11:15]	Convention Hall C	<p>Recent advances in nonparametric and functional data analysis</p> <p>Organiser : <i>Ma, Ping</i></p> <p>Chair : <i>Dai, Wenlin</i></p> <p>Paper 1: Smoothing spline modeling via adaptive bases sampling <i>Ping Ma</i></p> <p>Paper 2: Statistical inference for functional data via simultaneous confidence regions <i>Lijian Yang</i></p> <p>Paper 3: Functional SIR and SAVE based on series expansion <i>Heng Lian</i></p> <p>Paper 4: Testing for lack of fit in functional regression models <i>Valentin Patilea, Samuel Maistre</i></p> <p>Discussant(s) : -</p>
IPS045 28 August 2013 [09:00 - 11:15]	Theatre 2	<p>Strategies and structures for student engagement and ownership in statistical learning</p> <p>Organiser : <i>MacGillivray, Helen Louise</i></p> <p>Chair : <i>MacGillivray, Helen Louise</i></p> <p>Paper 1: Exam results and riots: Teaching sociology via authentic contemporary data <i>Jim Ridgway, James Nicholson, Sean McCusker</i></p> <p>Paper 2: Student engagement in university statistics classes - A [recent] student's perspective <i>William J.M. Probert</i></p> <p>Paper 3: Engaging students in statistics education: Situated learning in statistics projects <i>Pietermel S. Verhoeven</i></p> <p>Discussant(s) : <i>Dunne Tim, Payne Bradley J.</i></p>
IPS046 28 August 2013 [09:00 - 11:15]	Theatre 1	<p>ISBIS new researchers session</p> <p>Organiser : <i>Laber, Eric B.</i></p> <p>Chair : <i>Zhang, Hao Helen</i></p> <p>Paper 1: Consistent cross-validation for tuning parameter selection in high-dimensional variable selection <i>Yang Feng, Yi Yu</i></p> <p>Paper 2: High dimensional hypothesis screening using P-value perturbation</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Ali Shojaie, Moulinath Banerjee, George Michailidis</i> Paper 3: Estimating optimal treatment regimes from a classification perspective <i>Baqun Zhang</i> Discussant(s) : <i>Laber, Eric B.</i></p>
<p>IPS047 28 August 2013 [09:00 - 11:15]</p>	<p>Convention Hall B</p>	<p>Developing statisticians through building the profession Organiser : <i>Wasserstein, Ron</i> Chair : <i>Pullinger, John</i> Paper 1: Comparing codes of conduct/ethics across societies, and their relevance to professional statisticians <i>David Morganstein, Daniel Levine</i> Paper 2: Professional accreditation and continuing professional development <i>Roeland Beerten</i> Paper 3: Communication about professional statisticians within and outside the profession: Key messages to key audiences <i>Nicholas I. Fisher</i> Discussant(s) : <i>Wasserstein, Ron</i></p>
<p>IPS048 28 August 2013 [09:00 - 11:15]</p>	<p>Room S421</p>	<p>Statistical methods for climate problems Organiser : <i>Jun, Mikyoung</i> Chair : <i>Zhu, Zhengyuan</i> Paper 1: Uncertainty quantification and climate model experiments <i>Stephan R. Sain</i> Paper 2: The significance of wind on the multivariate time series modelling of algal bloom dynamics <i>Gilbert Lui, Wai Keung Li, Kenneth M.Y. Leung, Joseph H.W. Lee</i> Paper 3: A framework for spatiotemporal stochastic weather simulation <i>William Kleiber</i> Discussant(s) : <i>Jun, Mikyoung</i></p>
<p>IPS049 28 August 2013 [09:00 - 11:15]</p>	<p>Room S228</p>	<p>Data visualization for youth appeal Organiser : <i>Probert, William J.M.</i> Chair : <i>Forbes, Sharleen Denise</i> Paper 1: Seeing is believing? <i>Kate Richards, Neville Davies, Gamma Parkinson, Dominic Martignetti</i> Paper 2: On visualising our way around road blocks</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Chris J. Wild</i> Paper 3: Data visualisation and statistics from the future <i>Theodosia Prodromou</i> Discussant(s) : <i>Barrios, Erniel B.</i></p>
IPS050 28 August 2013 [09:00 - 11:15]	Room S428	<p>Statistical methods in new frontiers</p> <p>Organiser : <i>Zhong, Wenxuan</i> Chair : <i>Tong, Tiejun</i></p> <p>Paper 1: A constrained mixed effects model based on semilinear differential equation for cell polarity signaling in tip growth of pollen tubes <i>Xinping Cui, Zhen Xiao, Nicolas Brunel, Zhenbiao Yang</i></p> <p>Paper 2: Empirical Bayes variable selection using iterative conditional modes/medians <i>Dabao Zhang, Vitara Pungpapong, Min Zhang</i></p> <p>Paper 3: Design and analysis for computer experiments with both qualitative and quantitative variables <i>Jianfeng Yang, Hengzhen Huang, Dennis K.J. Lin, Min-Qian Liu</i></p> <p>Discussant(s) : <i>Fan, Xiaodan</i></p>
IPS052 28 August 2013 [09:00 - 11:15]	Room S225	<p>High dimensional methods for bioinformatics and genetics</p> <p>Organiser : <i>Hu, Inchi</i> Chair : <i>Zheng, Tian</i></p> <p>Paper 1: Copy number haplotype inference with Hidden Markov Model and localized haplotype clustering <i>Wen-Ping Hsieh, Yen-Jen Lin</i></p> <p>Paper 2: Systems biology approach to analysis of cancer heterogeneity <i>Seiya Imoto</i></p> <p>Paper 3: A classification method incorporating interactions among variables for high-dimensional data <i>Maggie Haitian Wang, Shaw-Hwa Lo, Tian Zheng, Inchi Hu</i></p> <p>Discussant(s) : <i>Hu, Inchi</i></p>
IPS053 28 August 2013 [09:00 - 11:15]	Room S423	<p>Novel statistical designs of clinical trials</p> <p>Organiser : <i>French, Benjamin</i> Chair : <i>Zee, Benny Chung-Ying</i></p> <p>Paper 1: A novel rank test for bivariate outcomes where one is a surrogate <i>Pamela A. Shaw, Michael P. Fay</i></p> <p>Paper 2: Statistical design and data monitoring for personalized medicine interventions</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Benjamin French, Jungnam Joo, Nancy L. Geller, Stephen E. Kimmel, Jonas H. Ellenberg</i></p> <p>Paper 3: Clinical trial designs for testing biomarker-based personalized therapies</p> <p><i>Mei-Chiung Shih, Tze Leung Lai, Philip W. Lavori, Branimir I. Sikic</i></p> <p>Discussant(s) : <i>Yin, Guosheng</i></p>
<p>STS031 28 August 2013 [09:00 - 11:15]</p>	<p>Room S222</p>	<p>International comparability versus national relevance: Contributions of the national statistical offices in monitoring the leading cause of death - Methods and merits of global adult tobacco survey</p> <p>Organiser : <i>Palipudi, Krishna Mohan</i></p> <p>Chair : <i>Asma, Samira</i></p> <p>Paper 1: Evaluating tobacco control in Turkey: Comparability over time <i>Yilmaz Ersahin</i></p> <p>Paper 2: GATS in Nigeria: A key to innovation/success in adult tobacco surveillance in Africa <i>Isiaka Akinjide Olarewaju</i></p> <p>Paper 3: Design and implementation of adult tobacco survey in Pakistan <i>Rizwan Bashir</i></p> <p>Paper 4: Methods and merits of the global adult tobacco survey: International comparability versus national relevance <i>Krishna Mohan Palipudi</i></p> <p>Paper 5: Meeting the global comparability: Integration of tobacco questions in surveys <i>Qiang Li, Yong Jiang, Mei Zhang, Yichong Li, Congxiao Wang, Gonghuan Yang</i></p> <p>Discussant(s) : <i>Bowling, James Michael</i></p>
<p>STS049 28 August 2013 [09:00 - 11:15]</p>	<p>Room S425</p>	<p>Small area estimation for business statistics</p> <p>Organiser : <i>Shlomo, Natalie</i></p> <p>Chair : <i>Pratesi, Monica</i></p> <p>Paper 1: Impact of sampling on small area estimation in business surveys <i>Ralf T. Munnich, Jan Pablo Burgard, Thomas Zimmermann</i></p> <p>Paper 2: Robust small area estimation for discrete outcomes <i>Nikos Tzavidis, Ray Chambers, Nicola Salvati</i></p> <p>Paper 3: Small area estimation applications in the US Census</p>

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		Bureau <i>Yang Cheng, Bac Tran, Partha Lahiri, Carma Hogue</i> Paper 4: Small area estimation for semicontinuous data <i>Hukum Chandra, Ray Chambers</i> Paper 5: Small area estimation in business information technology <i>Ana F. Militino, M. Dolores Ugarte, Tomás Goicoa</i> Discussant(s) : <i>Shlomo, Natalie</i>
STS063 28 August 2013 [09:00 - 11:15]	Room S427	Role of population and housing and agricultural censuses in the national statistical systems Organiser : <i>Laczka, Eva</i> Chair : <i>Laczka, Eva</i> Paper 1: Building a master sampling frame by linking the population and housing census with the agricultural census <i>Pietro Gennari, Naman Keita</i> Paper 2: Modern approach to censuses in the case of Poland - Advantages and constraints <i>Grażyna Marciniak</i> Paper 3: A population census based on registers and a "10% survey". Methodological challenges and conclusions. <i>Antonio Argüeso, Jorge L. Vega</i> Paper 4: The population and housing census in a register based statistical system <i>Anita Lange</i> Paper 5: Agricultural Census 2010 in Hungary <i>Gyorgy Lengyel</i> Discussant(s) : <i>Witkowski, Janusz</i>
STS064 28 August 2013 [09:00 - 11:15]	Room S223	Statistical methods for risk management Organiser : <i>So, Mike K.P.</i> Chair : <i>So, Mike K.P.</i> Paper 1: Asymmetry and long memory in realized covariance <i>Manabu Asai, Mike K.P. So</i> Paper 2: Earthquake statistics and a FOSM seismic hazard analysis for a nuclear power plant in Taiwan <i>Jui-Pin Wang, Yun Xu</i> Paper 3: On the computation of seismic loss tail probability distributions for stochastic structural dynamic systems <i>Sai Hung Cheung, Sahil Bansal</i> Paper 4: A hierarchical Bayesian approach to model extreme

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		<p>precipitation risk <i>Raymond K.S. Chan, Mike K.P. So</i></p> <p>Paper 5: Calibration of spectral risk measures for risk management <i>Chi-Ming Wong, Mike K.P. So</i></p> <p>Discussant(s) : <i>Ando, Tomohiro</i></p>
<p>STS067 28 August 2013 [09:00 - 11:15]</p>	<p>Convention Hall A</p>	<p>Using technology to improve efficiency of population censuses - Some experiences from the 2010 round</p> <p>Organiser : <i>McBeth, Nancy Elizabeth</i></p> <p>Chair : <i>Tam, Siu-Ming</i></p> <p>Paper 1: Using technology to achieve efficiencies in census - Experiences from the Abu Dhabi Census 2011 <i>Badria Abdulla Obaid, Nancy McBeth</i></p> <p>Paper 2: Internet option for improving the efficiency of population and housing census in Korea <i>Hyong-Joon Noh</i></p> <p>Paper 3: Efficiency in population censuses - The situation of the European register-based 2011 Censuses <i>Eric Schulte Nordholt</i></p> <p>Paper 4: Modern technologies in Omani Censuses <i>Khalifa Bin Abdullah Bin Hamed Al barwani</i></p> <p>Discussant(s) : <i>Cheung, Paul</i></p>
<p>STS084 28 August 2013 [09:00 - 11:15]</p>	<p>Room S226</p>	<p>Is distribution theory still relevant?</p> <p>Organiser : <i>Xekalaki, Evdokia</i></p> <p>Chair : <i>Xekalaki, Evdokia</i></p> <p>Paper 1: Confidence distribution: A sample-dependent distribution function for inference <i>Min-ge Xie</i></p> <p>Paper 2: The extreme value Birnbaum-Saunders model in athletics <i>M. Ivette Gomes, Marta Ferreira, Victor Leiva</i></p> <p>Paper 3: Some recent developments in probability distributions <i>Felix Famoye, Carl Lee, Ayman Alzaatreh</i></p> <p>Paper 4: Near-exact distributions - What are they and why do we need them? <i>Carlos A. Coelho</i></p> <p>Paper 5: How about modeling with flexible families? <i>N. Balakrishnan</i></p> <p>Discussant(s) : <i>Gupta, Arjun K.</i></p>

Session Code / Date [Time]	Venue	Session / Paper
CPS006 28 August 2013 [09:00 - 11:15]	Room S426	<p>Official statistics: Survey methodology and researches</p> <p>Organiser : -</p> <p>Chair : <i>Li, Billy Y.G.</i></p> <p>Paper 1: Use of hand held for CPI price data collection in Egypt <i>Noura Hassan Ahmed Talaat Mostafa</i></p> <p>Paper 2: Statistical web-based monitoring of the Philippine Livestock Program <i>Mary Ann Cruz Magtulis, Generoso G. de Guzman</i></p> <p>Paper 3: What were the changes in consumption choices among Hong Kong's young households in recent years? <i>James L.Y. Cheng</i></p> <p>Paper 4: New module to forecast new weights for CPI <i>Hani Tareq Al-Ahmed, Saleh Al-Kafri</i></p> <p>Paper 5: Some challenges of the production, analysis and dissemination of social statistics in the 'developing world' <i>Dimitri Della Faille</i></p> <p>Paper 6: The practice and exploration of GIS-based commercial housing price statistical system - The example of Shenzhen <i>Sha Li, Xiaoli Chong, Weiwen Wang, Jijin Geng, Zuozheng Xie</i></p> <p>Paper 7: Research on Shenzhen's role in facilitating the transformation of Chinese migrant workers <i>Zuozheng Xie, Genrou Zhong, Hongbing Yu, Ning Tian, Yisen Wang</i></p> <p>Discussant(s) : -</p>
CPS015 28 August 2013 [09:00 - 11:15]	Room S424	<p>Survey methodology</p> <p>Organiser : -</p> <p>Chair : <i>Tian, Guo-Liang</i></p> <p>Paper 1: Measures of privacy in randomized response surveys for quantitative stigmatizing variables <i>Mausumi Bose</i></p> <p>Paper 2: Model fitting tests in the analysis of panel data <i>Marcel D.T. Vieira</i></p> <p>Paper 3: Comparative studies on survey sampling bias in cross-cultural social research <i>Yuejun Zheng</i></p> <p>Paper 4: Bayesian randomized response technique <i>Siu Wa Chung, Mike K.P. So</i></p> <p>Paper 5: Empirical likelihood confidence regions for regression parameters under unequal probability sampling</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Yves Guy Berger</i> Paper 6: Estimation of confidence intervals for quantiles under unequal probability sampling using a new empirical likelihood approach <i>Omar De La Riva Torres, Yves G. Berger</i> Paper 7: A composite estimator for cut-off sampling <i>Hee-Jin Hwang, Key-Il Shin</i> Discussant(s) : -</p>
<p>CPS029 28 August 2013 [09:00 - 11:15]</p>	<p>Room S224</p>	<p>Winners of 2012 SASA Young African Statisticians Competition (I) Organiser : - Chair : <i>Zewotir, Temesgen</i> Paper 1: Optimal bank's liquidity supply by the central bank: A microeconomic approach <i>Jules Valery Tinang Nzesseu</i> Paper 2: Least squares estimation based on order statistics in location-scale families of distributions <i>Ruaan Van Zyl, Robert Schall</i> Paper 3: The MDS-GUI: A graphical user interface for comprehensive multidimensional scaling applications <i>Andrew William Timm, Sugnet Gardner-Lubbe</i> Paper 4: The construction of a partial least squares biplot <i>Opeoluwa Oyedele, Sugnet Gardner-Lubbe</i> Paper 5: Using vital registration to quantify HIV mortality in South Africa between 1997 and 2009 <i>William Tinashe Msemburi, R.E. Dorrington, D. Bradshaw, Sa Nbd Team</i> Paper 6: Estimating the causal effect of school size on educational attainment <i>Oswald Koussihouèdé</i> Paper 7: An application of correspondence analysis to social psychology <i>Mercy Munemo</i> Discussant(s) : -</p>
<p>CPS104 28 August 2013 [09:00 - 11:15]</p>	<p>Hall 3G</p>	<p>Poster spotlight (4) Organiser : - Chair : <i>Tsang, Albert K.L.</i> Paper 1: Impact of gender wage differentials on poverty and inequalities in Cameroon: A distributional approach</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Pierre Joubert Nguetse Tegoum, Luc Nembot Ndeffo, Justin Bem, Sandra Kendo</i></p> <p>Paper 2: Modeling cassava production in Nigeria using Box-Jenkins approach <i>Oludare Samuel Ariyo, Samuel O. Akweagbo</i></p> <p>Paper 3: A discussion of the upper limit of human longevity based on study of data for oldest old survivors and deaths in Japan <i>Nobutane Hanayama</i></p> <p>Paper 4: The role of statistics in promoting good governance in Nigeria's democracy <i>Yusuf Adamu</i></p> <p>Paper 5: Youth labor market information system (YLMIS) <i>Salahideen M. Alhaj</i></p> <p>Paper 6: Evaluating response based segmentation in PLS path modeling <i>Jacob Eskildsen, Rick Edgeman, Dan Mønster, John Vestergaard Olesen</i></p> <p>Paper 7: Measures of portfolio credit risk by applying asymptotic single-risk factor model <i>Kevin Chan, Andrew Kai Ming Kwan, Ted Yu</i></p> <p>Paper 8: A study on the variation of main industry for Korean enterprises using the panelized "Survey of Business Activities" data <i>Hyun Kyung Kim</i></p> <p>Paper 9: Liability dollarization in corporate sector and real exchange rate balance sheet effect in Turkey <i>Bengu Alp, Erdal Ozmen</i></p> <p>Paper 10: An econometric analysis of corporate financial condition and wage structure based on Japanese firm-level microdata <i>Shinsuke Ito, Takahisa Dejima</i></p> <p>Paper 11: Impact of integrated village saving and loan program: Empirical evidences from the northern part of Ethiopia <i>Fekadu Nigussie Deresse, Germán Calfat</i></p> <p>Paper 12: Estimating counterfactual distributions through reweighting methods <i>Laurent Donzé</i></p> <p>Paper 13: International comparison of productivity growth in</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>China, Japan and South Korea <i>Hiroshi Izumi, Yanjuan Dai, Jie Li</i></p> <p>Paper 14: Improving the accuracy of time-driven activity-based costing by stochastic modelling <i>Lea Vermeire, Sophie Hoozée, Werner Bruggeman</i></p> <p>Paper 15: A new complexity measure to classify ambulatory patients in rehabilitation facilities for financing purposes <i>Dália Nogueira, Elizabeth Reis, Abdul Suleman, José G. Dias, Claudia M. Borges</i></p> <p>Paper 16: The research on connotation and measurement of technology innovation capability of city <i>Jingli Xing, Zhongliang Zhang</i></p> <p>Discussant(s) : -</p>
<p>IPS054 28 August 2013 [13:00 - 15:15]</p>	<p>Convention Hall B</p>	<p>Statistical methods in genetics studies</p> <p>Organiser : <i>Feng, Rui</i></p> <p>Chair : <i>Zhang, Heping</i></p> <p>Paper 1: Statistical methods for detection and analysis of copy number variations <i>Ning Hao, Yue Selena Niu, Heping Zhang</i></p> <p>Paper 2: Association mapping of complex diseases: Gene-gene and gene-environment interactions <i>Iryna Lobach</i></p> <p>Paper 3: Test of parent-of-origin effects in family studies <i>Rui Feng, Yinghua Wu, Gun Ho Jang, Jose M. Ordovas, Donna Arnett</i></p> <p>Paper 4: Meta-analysis of correlated traits using summary statistics from GWAS <i>Xiaofeng Zhu, Tao Feng</i></p> <p>Discussant(s) : -</p>
<p>IPS055 28 August 2013 [13:00 - 15:15]</p>	<p>Theatre 1</p>	<p>Nonlinear financial time series modeling</p> <p>Organiser : <i>Yu, Philip Leung Ho</i></p> <p>Chair : <i>Chan, Wai Sum</i></p> <p>Paper 1: COMFORT-CCClass: A common market factor non-Gaussian returns model <i>Marc S. Paoletta, Pawel Polak</i></p> <p>Paper 2: Bayesian unit root test in double threshold heteroskedastic models <i>Cathy W.S. Chen, Shu-Yu Chen, Sangyeol Lee</i></p> <p>Paper 3: Subsampling Inference in threshold ARMA models</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Muyi Li, Dong Li</i> Paper 4: Bayes factors for assessing dynamic quantile forecasts <i>Richard Gerlach, Cathy W.S. Chen</i> Discussant(s) : <i>Li, Wai Keung</i></p>
<p>IPS056 28 August 2013 [13:00 - 15:15]</p>	<p>Convention Hall A</p>	<p>Youthful science: Statistical learning in high dimensions Organiser : <i>Ahmed, Ejaz S.</i> Chair : <i>Ramirez, Lilia Leticia</i> Paper 1: Text mining <i>David Banks</i> Paper 2: Low-rank approximations and weighted low-rank approximations: An application to statistical genetics <i>Paulo Canas Rodrigues</i> Paper 3: Calibrated shrinkage ridge estimation for high dimensional data analysis <i>Ejaz S. Ahmed, Xiaoli Gao</i> Discussant(s) : <i>Laber, Eric B.</i></p>
<p>IPS057 28 August 2013 [13:00 - 15:15]</p>	<p>Convention Hall C</p>	<p>Statistical challenges in astronomy Organiser : <i>Sen, Bodhisattva</i> Chair : <i>Sen, Bodhisattva</i> Paper 1: Big data in observational astronomy <i>G. Jogesh Babu</i> Paper 2: Estimating the number and location of structural breaks in astrophysical source populations <i>Thomas C.M. Lee</i> Paper 3: Wavelet spectral analysis for irregularly sampled astronomical time series <i>Debashis Mondal, Donald B. Percival</i> Paper 4: The impact of the new astrostatistics on the development and future of statistics <i>Joseph M. Hilbe</i> Discussant(s) : -</p>
<p>IPS058 28 August 2013 [13:00 - 15:15]</p>	<p>Theatre 2</p>	<p>Postgraduate students' session Organiser : <i>Park, Byeong Uk</i> Chair : <i>North, Delia Elizabeth</i> Paper 1: Inferential problems for a Y-linked gene branching model with blind choice <i>Cristina Gutiérrez Pérez, Miguel González Velasco, Rodrigo Martínez Quintana</i> Paper 2: Surname diversity in the UK</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Fiona McElduff</i></p> <p>Paper 3: Graphical augmentations to the funnel plot assess the impact of additional evidence on a meta-analysis <i>Dean Langan, Julian P.T. Higgins, Walter Gregory, Alexander J. Sutton</i></p> <p>Paper 4: Quantifying the uncertainty of changepoints in time series <i>Christopher Fu Ho Nam, John A.D. Aston</i></p> <p>Paper 5: A data-adaptive principal component analysis <i>Yaeji Lim, Hee-Seok Oh</i></p> <p>Paper 6: Functional linear regression for functional response via sparse basis selection <i>Kyunghee Han, Hyejin Shin</i></p> <p>Paper 7: Pattern-mixture model of the Cox proportional hazards model with missing binary covariates <i>Tae-Mi Youk, Juwon Song</i></p> <p>Paper 8: Building location and dispersion models for experiments with nested plot structure <i>Po-Hsu Chen, Shao-Wei Cheng</i></p> <p>Paper 9: Optimal sample size allocation for accelerated degradation test <i>I-Chen Lee, Sheng-Tsaing Tseng</i></p> <p>Paper 10: Modelling HIV progression using multistate Markov models <i>Tarylee Reddy, Henry Mwambi</i></p> <p>Paper 11: Common components to construct biplots for three mode data <i>Darryn Williams, Sugnet Lubbe</i></p> <p>Discussant(s) : -</p>
<p>IPS059 28 August 2013 [13:00 - 15:15]</p>	<p>Room S421</p>	<p>Learning to teach and assess statistics at the tertiary level</p> <p>Organiser : <i>de Sousa, Bruno</i></p> <p>Chair : <i>de Sousa, Bruno</i></p> <p>Paper 1: Developing statistics inferential concepts in introductory courses <i>Stephanie C. Budgett, Maxine Pfannkuch</i></p> <p>Paper 2: Discovering profundity in what we initially thought was obvious and simple <i>Tim Dunne, Tim Low</i></p> <p>Paper 3: Balancing nature, nurture, experience and training in</p>

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		learning to teach statistics in higher education <i>Helen Louise MacGillivray</i> Discussant(s) : Kaplan, Jennifer J.
IPS061 28 August 2013 [13:00 - 15:15]	Room S428	Statistical analysis in educational assessment Organiser : Ying, Zhiliang Chair : Ying, Zhiliang Paper 1: Statistical moderation in high stakes examinations in Hong Kong: Statistical, political and educational Issues <i>Kit-Tai Hau</i> Paper 2: Making computerized adaptive testing a diagnostic tool <i>Hua-Hua Chang</i> Paper 3: Some models and procedures for cognitive diagnosis modeling <i>Jimmy de la Torre</i> Paper 4: Data-driven learning of Q-matrix with applications to educational testing <i>Jingchen Liu</i> Discussant(s) : -
STS006 28 August 2013 [13:00 - 15:15]	Room S424	Towards an international framework for statistical councils of national statistical systems Organiser : Alldritt, Richard Chair : Lievesley, Denise Paper 1: The case for communication between national statistical councils <i>Richard Alldritt</i> Paper 2: Statistics agencies' relationships with other government statistical producers: An interview study in Australia and the United Kingdom <i>Cosmo Howard</i> Paper 3: The network of Government Statistical Service in Hong Kong <i>Edith Lai-Shan Chan</i> Paper 4: NSCs: Advise + Action = Accountability? <i>Margarita Guerrero</i> Discussant(s) : Lievesley, Denise
STS015 28 August 2013 [13:00 - 15:15]	Room S223	Ethical dilemmas for statisticians – How should we respond? The role of the ISI declaration on professional ethics Organiser : Trewin, Dennis John

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		<p>Chair : <i>Trewin, Dennis John</i></p> <p>Paper 1: Ethical dilemmas for statistics - How should we respond? <i>Len W. Cook</i></p> <p>Paper 2: Ethical dilemmas for statistics - How should we respond? <i>Haishan Fu</i></p> <p>Paper 3: Ethical dilemmas for statistics - How should we respond? <i>David Morganstein</i></p> <p>Paper 4: Ethical dilemmas for statistics - How should we respond? <i>Benjamin French</i></p> <p>Discussant(s) : -</p>
<p>STS016 28 August 2013 [13:00 - 15:15]</p>	<p>Room S222</p>	<p>Measuring China's economic performance</p> <p>Organiser : <i>Zhang, Nan</i></p> <p>Chair : <i>Qiu, Dong</i></p> <p>Paper 1: What develop trade credit? Case of provinces in China <i>Go Yano, Maho Shiraishi</i></p> <p>Paper 2: Constructing a time series of Chinese multi-regional input-output tables at provincial level and high sector detail <i>Yafei Wang, Manfred Lenzen</i></p> <p>Paper 3: An interpretation of planning economy era in China <i>Maho Shiraishi</i></p> <p>Paper 4: The calculation of Chinese short-term international capital flow <i>Shi Gang</i></p> <p>Paper 5: Mincer's wage determination, job changing, and social capital in China <i>Yang Liu</i></p> <p>Discussant(s) : <i>Zhang, Nan</i></p>
<p>STS027 28 August 2013 [13:00 - 15:15]</p>	<p>Room S228</p>	<p>New forms of data for research, policy evaluation and official statistics</p> <p>Organiser : <i>Ploug, Niels</i></p> <p>Chair : <i>Thygesen, Lars</i></p> <p>Paper 1: New forms of data for official statistics <i>Niels Ploug</i></p> <p>Paper 2: Global integration of new forms of data: Problems and possibilities</p>

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		<p><i>Peter Elias</i> Paper 3: New forms of data for research - Three examples from social science <i>Lisbeth Pedersen</i> Paper 4: New forms of data and scientific research <i>David De Roure</i> Paper 5: Data fusion and new data <i>Lichun Zhang</i> Discussant(s) : <i>Knauth, Bettina</i></p>
<p>STS030 28 August 2013 [13:00 - 15:15]</p>	<p>Room S226</p>	<p>Statistical education at university focusing on learning approaches in different educational and cultural contexts</p> <p>Organiser : <i>Plencovich, Maria Cristina</i> Chair : <i>Fabrizio, Maria del Carmen</i> Paper 1: First year statistics units across three continents: Similarities and differences <i>Francesca Chiesi, Caterina Primi, Ayse Aysin Bilgin, Maria Virginia Lopez, Maria del Carmen Fabrizio, Sitki Gozlu</i> Paper 2: Underlying reasons for different learning approaches in statistics in Argentina <i>María V. López, María C. Fabrizio, Adriana Perez, María C. Plencovich, Gerardo Cueto</i> Paper 3: Underlying reasons for different learning approaches in statistics in Italy <i>Caterina Primi, Francesca Chiesi</i> Paper 4: Underlying reasons for different learning approaches in statistics in an Australian university <i>Ayse Aysin Bilgin</i> Paper 5: Underlying reasons for different learning approaches in statistics in Turkish universities <i>Sitki Gozlu, Ayse Aysin Bilgin, Dilek Ozdemir Gungor</i> Paper 6: Some aspects of statistical significance in statistics education <i>Pranesh Kumar</i> Discussant(s) : <i>Petocz, Peter</i></p>
<p>STS053 28 August 2013 [13:00 - 15:15]</p>	<p>Room S425</p>	<p>Robustness and stability measures</p> <p>Organiser : <i>Bar-Hen, Avner</i> Chair : <i>Poggi, Jean-Michel</i> Paper 1: Very robust regression: Frameworks for comparisons <i>Anthony C. Atkinson, Marco Riani, Domenico Perrotta</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 2: Robust sparse regression in high dimensions <i>Andreas Alfons, Christophe Croux, Viktoria Öllerer, Sarah Gelper</i></p> <p>Paper 3: Influence measures for CART classification trees <i>Servane Gey, Avner Bar-Hen, Jean-Michel Poggi</i></p> <p>Paper 4: Robust risk estimation using exact resampling criteria for the kNN algorithm <i>Tristan Mary-Huard, Alain Celisse</i></p> <p>Paper 5: Robust multimode clustering <i>Maurizio Vichi</i></p> <p>Discussant(s) : <i>Bar-Hen, Avner</i></p>
<p>STS059 28 August 2013 [13:00 - 15:15]</p>	<p>Room S423</p>	<p>Spatial and spatio-temporal models for environmental epidemiology</p> <p>Organiser : <i>Blangiardo, Marta</i></p> <p>Chair : <i>Craigmile, Peter F.</i></p> <p>Paper 1: The INLA approach for Bayesian air quality models <i>Michela Cameletti</i></p> <p>Paper 2: Functional kriging in air quality <i>Rosaria Ignaccolo, Jorge Mateu, Ramon Giraldo</i></p> <p>Paper 3: Bayesian modelling for estimating adverse health effects of exposure to multiple air pollutants in a time series framework <i>Monica Pirani, Georgios Papageorgiou, Nicky Best, Richard W. Atkinson, Gary W. Fuller</i></p> <p>Paper 4: The effects of preferential sampling in spatial epidemiology <i>Gavin Shaddick</i></p> <p>Discussant(s) : <i>Sahu, Sujit</i></p>
<p>STS069 28 August 2013 [13:00 - 15:15]</p>	<p>Room S427</p>	<p>Youth in Arab countries, facts and challenges</p> <p>Organiser : <i>Awad/Shakhshir, Ola Farah</i></p> <p>Chair : <i>Awad/Shakhshir, Ola Farah</i></p> <p>Paper 1: Iraq youth empowerment - Challenges and opportunities <i>Mahdi Al-Alak</i></p> <p>Paper 2: Young Moroccans: Profile, expectations and perceptions <i>Abdellah Sougrati</i></p> <p>Paper 3: The economic participation of young women in the Jordanian labor market, facts & challenges</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Manal George Sweidan</i> Paper 4: The young people in Egypt 2010 <i>Salwa yousof Abd ELGhany</i> Paper 5: Youth and mapping poverty in Palestine <i>Hani Al-Ahmed, Fida Twam</i> Discussant(s) : <i>Ljones, Olav</i></p>
<p>STS087 28 August 2013 [13:00 - 15:15]</p>	<p>Room S225</p>	<p>Official statistics in the service of business and industrial statisticians</p> <p>Organiser : <i>Ograjenšek, Irena</i> Chair : <i>Ograjenšek, Irena</i> Paper 1: What are official statistics for anyway? <i>Steve MacFeely</i> Paper 2: How to motivate businesses to report and to use the official statistics? <i>Irena Križman, Genovefa Ružić</i> Paper 3: Business statistics making an impact: A personal story <i>John Pullinger</i> Paper 4: The opportunities for small to medium enterprises from official statistics <i>Shirley Y. Coleman</i> Paper 5: Factors influencing integration of official statistics into business study programmes: In search of evidence <i>Irena Ograjenšek, Mojca Bavdaž, Lejla Perviz</i> Discussant(s) : <i>Blumberg, Carol Joyce</i></p>
<p>CPS014 28 August 2013 [13:00 - 15:15]</p>	<p>Room S426</p>	<p>Applications of statistics: Others (2)</p> <p>Organiser : - Chair : <i>Fan, Xiaodan</i> Paper 1: Application of robust statistical optimal designs for growth rate models in predictive food microbiology <i>Jean-Pierre Gauchi, Jean-Christophe Augustin</i> Paper 2: Structural equation modeling in the assessment of a vaccine quality <i>Viviana Parreño, Maria Virginia López, Marta Quaglino, Norberto J. Bartoloni</i> Paper 3: Vertical data integration for melanoma prognosis <i>Kaushala Jayawardana, Samuel Mueller, Sarah-Jane Schramm, Graham J. Mann, Jean Yang</i> Paper 4: A coupled finite mixture model for transcriptional module discovery</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Han Li, Xiaodan Fan</i> Paper 5: Survival analysis of dental implants <i>Andrew Kai Ming Kwan, Fu Lee Wang, Tak-Kun Chow</i> Paper 6: The evaluation of evidence for autocorrelated Data: With an example relating to traces of cocaine on banknotes <i>Amy Wilson, Colin Aitken, Richard Sleeman, Jim Carter</i> Paper 7: Questions that count: A livestock module for multi-topic household surveys <i>Ugo Pica-Ciamarra, Alberto Zezza, Derek Baker, Nancy Morgan</i> Paper 8: A novel statistical image fusion rule for noisy source images <i>Tamanna Howlader, Fatema Tuz Jhohura, S.M. Mahbubur Rahman</i> Discussant(s) : -</p>
CPS024 28 August 2013 [13:00 - 15:15]	Room S224	Statistical theory and methodology: Theory of statistics (2) Organiser : - Chair : <i>Wat, K.P.</i> Paper 1: Stochastic guaranteed cost control of Markovian jumping singular systems <i>Grienggrai Rajchakit</i> Paper 2: Delta method on bootstrapping of autoregressive process <i>Bambang Suprihatin, Suryo Guritno, Sri Haryatmi</i> Paper 3: Estimation for binomial proportions from pooled samples using an objective prior <i>Lizanne Raubenheimer, Abrie J. Van Der Merwe</i> Paper 4: Superiority conditions of shrinkage estimator in Laplacian class of elliptical models <i>Mohammad Arashi, A. Bekker</i> Paper 5: A randomized nonparametric statistic for multivariate multisample testing hypothesis <i>Hidetoshi Murakami</i> Paper 6: Realized skewness at high frequency and link to conditional market premium <i>Zhi Liu, Kent Wang, Junwei Liu</i> Paper 7: Optimal design of cumulative sum control charts under shift uncertainty <i>Lianjie Shu, Wenpo Huang, Wei Jiang</i> Paper 8: Outlier detection using the outlier probability for

Session Code / Date [Time]	Venue	Session / Paper
		robust linear regression <i>Ka-Veng Yuen, He-Qing Mu</i> Discussant(s) : -
CPS030 28 August 2013 [13:00 - 15:15]	Room S429	Winners of 2012 SASA Young African Statisticians Competition (II) Organiser : - Chair : Zewotir, Temesgen Paper 1: Quantitative trait linkage analysis for different human family types <i>Ushma Galal, Lize Van Der Merwe</i> Paper 2: Road accidents in Kenya: A case of poor road network or human error? <i>Leacky Kamau Muchene</i> Paper 3: Impact of adoption of improved rice varieties on income and poverty reduction among rice farmers in Cameroon <i>Banawe Plambou Anissa</i> Paper 4: Direct tax revenue and its contribution to Uganda's economic growth <i>Newton Britin Akiza</i> Paper 5: Poverty alleviation in Burkina Faso: An analytical approach <i>Hervé Jean Louis Guene</i> Paper 6: Determinants and impact of non-registration birth on the children in Cameroun <i>Tchagang Ariane Wakap</i> Paper 7: Modelling occupational exposure using a random effects model: A Bayesian approach <i>Justin Harvey, Abrie J. Van Der Merwe</i> Discussant(s) : -
CPS105 28 August 2013 [13:00 - 15:15]	Hall 3G	Poster spotlight (5) Organiser : - Chair : Or, Olivia Paper 1: Analysis of frailty-based competing risk data from repairable systems <i>Anupap Somboonsavatdee</i> Paper 2: Determinants of child survival chances in rural Ethiopia <i>Ermias Dessie Buli</i> Paper 3: Meta-analysis of the evidence-based practices research

Session Code / Date [Time]	Venue	Session / Paper
		<p>reports in social services in Hong Kong (1998-2012) <i>Ka-Shi Kwong</i></p> <p>Paper 4: Poverty and safeguarding of the environment <i>Arouna Sow</i></p> <p>Paper 5: Dynamic causal modelling and structural equation models on fMRI experiments. A meta-analytic approach <i>Joan Guàrdia-Olmos, Maribel Peró-Cebollero, Esteve Gudayol-Ferré</i></p> <p>Paper 6: Using SEM library of R software to analyze exploratory structural equation models <i>Maribel Pero-Cebollero, Joan Guàrdia-Olmos, Sonia Benítez-Borrego, John Fox</i></p> <p>Paper 7: A discussion of association between the risks on breast and liver cancer for women based on data given by age and period <i>Katsuya Harigae, Nobutane Hanayama</i></p> <p>Paper 8: Effect of behavior and clinical factors on pregnancy <i>Rashid Nguama Adrama</i></p> <p>Paper 9: Analysis of indicators of perceived happiness of Venezuelan households <i>Johana Valera, José Ruette</i></p> <p>Paper 10: Time series analysis of births at Iganga Hospital (2008-2012) in Uganda <i>Joseph Waiswa Akuze, Peter Waiswa</i></p> <p>Paper 11: Software reliability for multi-type defects: Application to modern bug databases <i>Anup Dewanji, Vignesh T.L. Subrahmaniam, Bimal K. Roy</i></p> <p>Paper 12: A methodology to interpret multivariate T squared control chart signals <i>Teodoro R. García León, Maura L. Vásquez, Guillermo Ramírez, Carolina Pérez</i></p> <p>Paper 13: Impact evaluation framework for government-based projects <i>Ana Julia Javier Macaraig, Arturo Y. Pacificador, Jr, Mary Ann C. Magtulis</i></p> <p>Discussant(s) : -</p>
IPS062 28 August 2013 [15:30 - 17:45]	Convention Hall C	<p>Malliavin calculus and applications</p> <p>Organiser : <i>Kohatsu-Higa, Arturo</i></p> <p>Chair : <i>Kohatsu-Higa, Arturo</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 1: Asymptotic expansion methods for stochastic processes and their applications to statistics and finance <i>Nakahiro Yoshida</i></p> <p>Paper 2: Stein's method with Malliavin calculus <i>Ivan Nourdin</i></p> <p>Discussant(s) : -</p>
IPS063 28 August 2013 [15:30 - 17:45]	Theatre 2	<p>Network modeling in biological, computer, public health, and social sciences</p> <p>Organiser : <i>Pang, Herbert</i></p> <p>Chair : <i>Pang, Herbert</i></p> <p>Paper 1: Statistical models for social networks <i>Philippa E. Pattison, Garry L. Robins, Peng Wang</i></p> <p>Paper 2: Modelling and comparing protein interaction networks using subgraph counts <i>Charlotte M. Deane, Tiago Rito, Gesine Reinert</i></p> <p>Paper 3: Inferring biological networks from genomics data <i>Hongyu Zhao</i></p> <p>Paper 4: Utilization of neural network for disease forecasting <i>Oyas Wahyunggoro, Adhistya Erna Permanasari, Ahmad Chamsudin</i></p> <p>Discussant(s) : <i>Banks, David</i></p>
IPS064 28 August 2013 [15:30 - 17:45]	Convention Hall B	<p>The challenge from web panel surveys</p> <p>Organiser : <i>Svensson, Jörgen</i></p> <p>Chair : <i>Eklund, Inger</i></p> <p>Paper 1: Web panels for official statistics? <i>Jelke Bethlehem, Fannie Cobben</i></p> <p>Paper 2: A standard with quality indicators for web panel surveys: A Swedish example <i>Mats Nyfjäll</i></p> <p>Paper 3: Web panel surveys – Can they be designed and used in a scientifically sound way? <i>Jörgen Svensson</i></p> <p>Discussant(s) : <i>Biemer, Paul Philip</i></p>
IPS065 28 August 2013 [15:30 - 17:45]	Room S421	<p>Random probability measures and their applications</p> <p>Organiser : <i>Mena, Ramsés H.</i></p> <p>Chair : <i>Frellsen, Jes</i></p> <p>Paper 1: Multiresolution Gaussian processes <i>Emily B. Fox, David B. Dunson</i></p> <p>Paper 2: Optimal filtering and the dual process</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Matteo Ruggiero, Omiros Papaspiliopoulos</i> Paper 3: Hitting distributions of stable processes via path censoring and self-similarity <i>Juan Carlos Pardo Millan</i> Paper 4: Convex minorants of random walks and Lévy processes <i>Gerónimo Uribe Bravo</i> Discussant(s) : <i>Mena, Ramsés H.</i></p>
IPS066 28 August 2013 [15:30 - 17:45]	Convention Hall A	<p>Careers in analytics Organiser : <i>Li, Larry</i> Chair : <i>Reschke, Philip</i> Paper 1: A career in analytics - How far do you want to go? <i>Song Er Hiok</i> Paper 2: A necessary tool and skill in bank risk management: SAS and its applications in Basel modeling lab <i>Yu Yong</i> Paper 3: Use analysis to make change in a traditional industry <i>Nanxiang Gao</i> Paper 4: Analytic melody in banking <i>Long Yu</i> Paper 5: Market research and analysis using the SAS system <i>Mo Zheng</i> Discussant(s) : -</p>
IPS068 28 August 2013 [15:30 - 17:45]	Room S228	<p>Promoting statistics to youth through the International Statistical Literacy Project Organiser : <i>Helenius, Reija</i> Chair : <i>Helenius, Reija</i> Paper 1: Promoting statistics to youth through the International Statistical Literacy Project <i>Sharleen Denise Forbes, Pedro Campos, Reija Helenius</i> Paper 2: Statistics under 21 <i>Marina Peci</i> Paper 3: Statistics are interesting - How do we get youngsters inspired? <i>Katri Johanna Soinne</i> Paper 4: Radical statistics: Teachers and students on the highwire <i>Bruno de Sousa, Dulce Gomes, Regina Bispo, Elisa Duarte</i> Discussant(s) : <i>Campos, Pedro</i></p>

Session Code / Date [Time]	Venue	Session / Paper
IPS069 28 August 2013 [15:30 - 17:45]	Room S428	<p data-bbox="598 197 1372 280">Improving statistics teaching: Bringing statisticians and educators together</p> <p data-bbox="598 293 1018 331">Organiser : <i>Pfannkuch, Maxine</i></p> <p data-bbox="598 340 884 378">Chair : <i>Wild, Chris J.</i></p> <p data-bbox="598 389 1372 521">Paper 1: New perspectives: A statistician and a statistics educator discuss the lessons learned from cross disciplinary sojourns</p> <p data-bbox="598 533 1031 571"><i>Jennifer J. Kaplan, Vincent Melfi</i></p> <p data-bbox="598 580 1426 663">Paper 2: Good practice in using statistics in statistics education research</p> <p data-bbox="598 674 1048 712"><i>Gemma Parkinson, Neville Davies</i></p> <p data-bbox="598 721 1393 806">Paper 3: Working together to improve statistics education: A research collaboration case study</p> <p data-bbox="598 815 1031 853"><i>Maxine Pfannkuch, Chris J. Wild</i></p> <p data-bbox="598 862 1433 947">Paper 4: The role of external speakers (working statisticians) in the higher education statistics classroom</p> <p data-bbox="598 956 919 994"><i>Shirley Yvonne Coleman</i></p> <p data-bbox="598 1003 1067 1041">Discussant(s) : <i>Borovcnik, Manfred</i></p>
IPS101 28 August 2013 [15:30 - 17:45]	Theatre 1	<p data-bbox="598 1061 1209 1099">Special invited panel on career development</p> <p data-bbox="598 1108 991 1146">Organiser : <i>Park, Byeong Uk</i></p> <p data-bbox="598 1155 932 1193">Chair : <i>Park, Byeong Uk</i></p> <p data-bbox="598 1202 1417 1288">Paper 1: Business analytics and big data: What do statisticians need to succeed?</p> <p data-bbox="598 1296 871 1335"><i>Robert N. Rodriguez</i></p> <p data-bbox="598 1344 1417 1429">Paper 2: What is expected from future statisticians for them to adapt to the future of the profession?</p> <p data-bbox="598 1438 782 1476"><i>Jef L. Teugels</i></p> <p data-bbox="598 1485 1120 1523">Discussant(s) : <i>Ng Kai Wang, Shyr Jing</i></p>
IPS110 28 August 2013 [15:30 - 17:45]	Room S225	<p data-bbox="598 1543 1305 1626">Developing a master sampling frame for integrated agricultural and rural surveys</p> <p data-bbox="598 1635 951 1673">Organiser : <i>Keita, Naman</i></p> <p data-bbox="598 1682 890 1720">Chair : <i>Keita, Naman</i></p> <p data-bbox="598 1729 1294 1814">Paper 1: Using satellite imagery and geo-referencing technology for building a master sampling frame</p> <p data-bbox="598 1823 868 1861"><i>Elisabetta Carfagna</i></p> <p data-bbox="598 1870 1422 1955">Paper 2: Indirect sampling as a general approach for defining unbiased sampling strategies for integrated agricultural surveys</p> <p data-bbox="598 1964 1366 2002"><i>Pietro Gennari, Piero Demetrio Falorsi, Clara Aida Khalil</i></p> <p data-bbox="598 2011 1310 2049">Paper 3: Development of a master sampling frame for</p>

Session Code / Date [Time]	Venue	Session / Paper
		agricultural and rural statistics: The experience of Ethiopia <i>Aberash Tariku Abaye</i> Discussant(s) : -
STS043 28 August 2013 [15:30 - 17:45]	Room S425	Using geospatial information in area sampling and estimation for agricultural and environmental surveys Organiser : <i>Nusser, Sarah M.</i> Chair : <i>Berg, Emily J.</i> Paper 1: Methodological developments for improving the reliability and cost-effectiveness of agricultural statistics in developing countries <i>Monica Pratesi, Elisabetta Carfagna</i> Paper 2: Pilot point sample area frame survey for agricultural statistics in Nigeria <i>Sarah Hoffman, Michael Steiner</i> Paper 3: Design and estimation for recreational fisheries surveys <i>F. Jay Breidt, Jean D. Opsomer</i> Paper 4: Using remote sensing cropland classification data to update area sampling frame <i>Xinhua Yu</i> Paper 5: Automatic stratification for an agricultural area frame using remote sensing data <i>Stephanie Zimmer, Jae Kwang Kim, Sarah Nusser</i> Discussant(s) : <i>Nusser, Sarah M.</i>
STS062 28 August 2013 [15:30 - 17:45]	Room S423	Synthetic establishment microdata – Enhancing access to confidential data in novel ways Organiser : <i>Vilhuber, Lars</i> Chair : <i>Abowd, John M.</i> Paper 1: The Synthetic Longitudinal Business Database: Experiences and lessons learned <i>Lars Vilhuber, Javier Miranda</i> Paper 2: SynLBD: Providing firm characteristics on synthetic establishment data <i>Satkartar K. Kinney, Jerome P. Reiter</i> Paper 3: Replicating the synthetic LBD with German establishment data <i>Jörg Drechsler, Lars Vilhuber</i> Paper 4: The Synthetic Longitudinal Business Database (SynLBD): Access to Data and Remote Processing

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Thomas A. Louis, Ron S. Jarmin, Javier Miranda, Lars Vilhuber</i> Discussant(s) : <i>Bender, Stefan</i></p>
<p>STS078 28 August 2013 [15:30 - 17:45]</p>	<p>Room S223</p>	<p>Open data and statistics with special focus on urban and regional statistics</p> <p>Organiser : <i>Manninen, Asta</i> Chair : <i>Manninen, Asta</i> Paper 1: The challenge of open data and GIS <i>Derek Bond</i> Paper 2: A statistical spatial framework to inform regional statistics <i>Gemma Van Halderen, Martin Brady</i> Paper 3: Pulling it all together: Developing the spatiotemporal layers to support location-based integration <i>Wendy Thomas, Tracy Kugler</i> Paper 4: Make your statistics work: The first results with open data in Amsterdam <i>Lieselotte Bicknese, Manilde Van Der Oord</i> Paper 5: The power of open statistics for advancing the smart city and citizens participation <i>Ari Jaakola</i> Discussant(s) : -</p>
<p>STS085 28 August 2013 [15:30 - 17:45]</p>	<p>Room S427</p>	<p>Measuring green economy</p> <p>Organiser : <i>Choi, Yeonok</i> Chair : <i>Jung, Kyu-nam</i> Paper 1: Green economy and measuring the Environmental Goods and Services Sector (EGSS) <i>Daniel Clarke</i> Paper 2: Designing a method for the effective use of indicators for green economy policy making <i>Fulai Sheng, Andrea M. Bassi, Markus Lehmann</i> Paper 3: Mexico's environmental accounts and derived indicators <i>Raúl Figueroa Diaz</i> Paper 4: A measurement on green economy in Korea: Green industry statistics <i>Kyungsam Min, Ho Seog Jung</i> Discussant(s) : <i>Choi, Yeonok</i></p>

Session Code / Date [Time]	Venue	Session / Paper
CPS203 28 August 2013 [08:30 - 17:45]	Hall 3G	<p>Poster display Day 3</p> <p>Organiser : -</p> <p>Chair : -</p> <p>Paper 1: Investigation and statistics on status quo of China's selective schools: A perspective from empirical study <i>Li Tan, Qinqiong Zhang</i></p> <p>Paper 2: Management and utilization of health management information system in Busia district, Uganda <i>Irene Nakazzi</i></p> <p>Paper 3: The contribution of microfinance institutions to poverty eradication in Uganda <i>Alex Ronald Kagumba, Kateregga Emile</i></p> <p>Paper 4: Civil registration and vital statistics system in Egypt "challenges and opportunities" <i>Mohamed Galal Eldean Embaby</i></p> <p>Paper 5: People with disabilities: Some analyzes of the results of the 2010 Population Census and new challenges <i>Paulo Meira Oliveira</i></p> <p>Paper 6: Intergenerational differences in current contraceptive use among currently married women in Uganda <i>Sarah Mukisa Wablembo</i></p> <p>Paper 7: Technical conversion factors for agricultural statistics: Sank into oblivion? The case of Tanzania livestock statistics <i>Longin Nsiima, Ugo Pica-Ciamarra, Derek Baker, Gabriel Simbila</i></p> <p>Paper 8: Measuring trade in value added for China based on the firm-level data <i>Jinmei Ge, Minxue Gao</i></p> <p>Paper 9: An statistical investigation of professional identity of medical students <i>Hongwei Ruan</i></p> <p>Paper 10: Mean value formulae of one-dimensional stationary line-segment processes <i>Albert K.L. Tsang</i></p> <p>Paper 11: Spatial analysis of South African crime data <i>Elsabe Smit</i></p> <p>Paper 12: Spatial variations in under-five mortality in South Africa <i>Sulaiman Salau</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 13: Development of drinking water and sanitation facilities in Cambodia since 2000 observed in the Cambodia Socio-Economic Survey (CSES) <i>Mao Po</i></p> <p>Paper 14: Acceleration and re-start of the alternating least squares algorithm for non-linear principal components analysis <i>Masahiro Kuroda, Yuichi Mori, Masaya Iizuka, Michio Sakakihara</i></p> <p>Paper 15: The determinants of time-related underemployment in South Africa <i>Nelson Inocent Mathebula</i></p> <p>Paper 16: Dynamics of development in rural communities <i>Genelyn Ma Ferry Sarte, Erniel B. Barrios</i></p> <p>Paper 17: Preferences in areas of professional performance of young students of statistics close to graduating from the Central University of Venezuela <i>Karen Elizabeth Tizado, Jhoner L.V. Perdomo</i></p> <p>Paper 18: The prediction of teachers' demand in the primary and high schools in Chongqing <i>Li Wang, Shaowei Li</i></p> <p>Paper 19: Proposal for evaluation of money laundering and terrorist financing country risk in Latin America <i>Jhoner Luis Perdomo, Karen E. Tizado V., Guillermo G. Lara</i></p> <p>Paper 20: Use of the method of L-moments of parameter estimation on economic data <i>Diana Bilkova</i></p> <p>Paper 21: Rationality testing of the weights of universities ranking <i>Yun Zhuang, Pingsheng Dai</i></p> <p>Paper 22: Length frequency analysis: Maximum likelihood estimation of finite mixture model via EM algorithm and Bayesian approach <i>Tony Sai-Ho Chung</i></p> <p>Paper 23: Bayesian regression analysis of correlates of modern contraceptive method usage: A case study in Hawassa City, Ethiopia <i>Habtamu Kiros Gebreselassie</i></p> <p>Paper 24: The business demography of sole proprietorships in Japan</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Mikio Suga, Hiromi Mori, Tamaki Miyauchi, Kozo Miyagawa</i> Paper 25: Asymptotic properties of some estimators for income inequality measures - A simulation study</p> <p><i>Alina Jedrzejczak</i> Paper 26: Forecasting of short term electricity load demand in Cameroon using semi parametric model</p> <p><i>Ngamou Tchuana William</i> Paper 27: Test dimensionality assessment: A general approach based on the use of complementary statistical methods</p> <p><i>Thierry Rocher, Aurélie Nardy, Maryse Bianco, Pascal Bressoux</i> Paper 28: Diagnostic and treatment for linear mixed models</p> <p><i>Julio M. Singer, Francisco M.M. Rocha, Juvêncio S. Nobre</i> Paper 29: Welfare indicators calculated with multiple correspondence techniques from IV the National Survey on Family Budgets of Venezuela 2008-2009</p> <p><i>José Antonio Ruette, María Eugenia García Fernández</i> Paper 30: Study of latent classes with welfare indicators obtained from the IV National Survey of Family Budgets 2008-2009 in Venezuela</p> <p><i>María Eugenia García, Johana Rosaly Valera Puche</i> Paper 31: A predictive ability based model selection method</p> <p>Evdokia Xekalaki, Stavros Degiannakis Paper 32: XKOS: An SKOS extension for statistical classifications</p> <p>Wendy Thomas, Franck Cotton, Richard Cyganiak, R.T.A.M. Grim, Daniel W. Gillman Paper 33: Sample design for impact evaluation of welfare programs: The Yemen case</p> <p>Cristiano Ferraz, Marcel de Toledo Vieira Paper 34: Variable selection based on certain information criterion in correspondence analysis</p> <p>Takakazu Sugiyama, T. Ogura, T. Kan, Y. Fujikoshi Paper 35: Perturbation analysis for similarity based on entropy in a linear subspace method</p> <p>Kuniyoshi Hayashi, Fumio Ishioka, Hiroshi Suito, Koji Kurihara Paper 36: Imputation of income data with generalized calibration procedure and GB2 law: Illustration with SILC data</p> <p>Eric Andre Graf, Yves Tillé Paper 37: The reporting of HIV/AIDS deaths in South Africa</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Gomolemo Teo</p> <p>Paper 38: Association rule generation and mining approach to concept space for collective documents Ken Nittono</p> <p>Paper 39: Factors associated with high risk sexual behaviors among youth In Rwanda: A behavioral surveillance survey <i>Muhammed Semakula</i></p> <p>Paper 40: To what extent does age at first marriage influence the vulnerability of young women in regards to reproductive health issues <i>Vivienne Musabe Najjemba, Richard Musabe, Viola Nampeera</i></p> <p>Paper 41: Is there a correlation between the increasing mean age of women at childbirth and the declining total fertility rates? <i>Vanda Lieskovská, Silvia Megyesiová</i></p> <p>Paper 42: Elementary school teachers' comprehension of graphical representations of data <i>Ioannis Michalis, Evanthis Chatzivasileiou</i></p> <p>Paper 43: Statistica Nova - Theory and software of statistical functions mobiles <i>Ionel Dorofte, Ionelia Iftimie</i></p> <p>Paper 44: Factors which affect the pass rates in South African schools and in Africa <i>Themba Mhlebi</i></p> <p>Paper 45: Use of Çinlar Velocity Fields as a subgrid model <i>Rukiye Kara, Mine Çağlar</i></p> <p>Paper 46: First all-Ukrainian statistical Olympiad: Organization and results <i>Yakiv Yakovich Karchev, Volodimir L. Karpov</i></p> <p>Paper 47: Electricity consumption nexus economic growth: A bounds test approach <i>Gildas Mahena Anago</i></p> <p>Paper 48: Graphical determination of groups and outliers in distance-based cluster analysis <i>Luis F. Rivera-Galicia</i></p> <p>Paper 49: Simultaneous fuzzy clustering with multiple correspondence analysis <i>Masaki Mitsuhiro, Hiroshi Yadohisa</i></p> <p>Paper 50: Regression with autocorrelated errors using design-adapted Haar Wavelets</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Elisete Conceicao Quintaneiro Aubin, Rogério F. Porto, Pedro A. Morettin</i></p> <p>Paper 51: Multivariate analysis of exogenous variables for blood donation system in some European countries - Logistics approach</p> <p><i>Sebastian Twaróg, Grażyna Trzpiot, Anna Ojrzyńska, Jacek Szoltysek</i></p> <p>Discussant(s) : -</p>

29 August 2013

Session Code / Date [Time]	Venue	Session / Paper
IPS070 29 August 2013 [09:00 - 11:15]	Theatre 1	<p>Recent developments in nonparametric statistics on manifolds with applications to biology, medical imaging and machine vision</p> <p>Organiser : <i>Bhattacharya, Rabi</i> Chair : <i>Kendall, Wilfrid S.</i> Paper 1: The structure of space and long term behaviour of Fréchet means <i>Huiling Le</i> Paper 2: (Semi-)intrinsic statistical analysis on stratified spaces <i>Stephan F. Huckemann</i> Paper 3: Nonparametric density estimation on manifolds with applications to shape analysis <i>Abhishek Bhattacharya</i> Discussant(s) : <i>Panaretos, Victor M.</i></p>
IPS071 29 August 2013 [09:00 - 11:15]	Convention Hall C	<p>Quality in official statistics</p> <p>Organiser : <i>Ritschelová, Iva</i> Chair : <i>Ritschelová, Iva</i> Paper 1: Influence of governance issues on the quality of official statistics <i>Edvard Outrata</i> Paper 2: Quality improvement of administrative registers statistically exploited to generate the indicator-based decision-making system in the State of Yucatan, Mexico <i>Federico Segui, Amparo Ballivian, Indu John-Abraham, Alejandro Medina, Julio Ortegón, Ignacio Romero</i> Paper 3: Quality assurance of official statistics in Hong Kong <i>Ka Lin Chan</i> Paper 4: The policeman and the statistician - On the quality of the raw data in official statistics <i>Anton Färnström</i> Discussant(s) : <i>Stoop, Ineke</i></p>
IPS072 29 August 2013 [09:00 - 11:15]	Convention Hall A	<p>International contrasts in educational frameworks for teaching statistics to non-specialists</p> <p>Organiser : <i>Harraway, John Andrew</i> Chair : <i>Harraway, John Andrew</i> Paper 1: Changing educational framework in the transition to new educational standards at Russian universities of life science</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>and their impact on the teaching of statistics <i>Lyman McDonald, Galina Kamyshova</i></p> <p>Paper 2: Teaching statistics to non-specialists in Mainland China <i>Wei Yuan</i></p> <p>Paper 3: The assessment of statistics learning by large-scale standardized tests: some evidences in the Italian primary and secondary education <i>Stefania Mignani, Roberto Ricci</i></p> <p>Discussant(s) : <i>Dunne, Tim</i></p>
IPS073 29 August 2013 [09:00 - 11:15]	Room S421	<p>Response to natural disasters</p> <p>Organiser : <i>Dunnet, Gary</i></p> <p>Chair : <i>Bycroft, Christine Mary</i></p> <p>Paper 1: Managing the impact of floods in Eastern Australia on Australian official statistics <i>Paul Schubert, Evrim Aydin Saher</i></p> <p>Paper 2: Floods in Pakistan 2010 and 2011 <i>Muhammad Akram Janjua</i></p> <p>Paper 3: The impact of the great East Japan earthquake on the labor market and industrial production in the disaster-stricken prefectures <i>Isao Takabe, Minoru Nogimori, Tomohiko Inui</i></p> <p>Paper 4: Managing the effect of a disaster on official statistics <i>Gary Roger Dunnet, Richard Penny</i></p> <p>Discussant(s) : <i>Cook, Len W.</i></p>
IPS074 29 August 2013 [09:00 - 11:15]	Theatre 2	<p>Experimental design in industry and business</p> <p>Organiser : <i>Vengazhiyil, Roshan Joseph</i></p> <p>Chair : <i>Vengazhiyil, Roshan Joseph</i></p> <p>Paper 1: Mixture experiments: From D- to I-optimality <i>Peter Goos, Bradley Jones, Utami Syafitri</i></p> <p>Paper 2: Designed experiments for semi-parametric models and functional data with a case-study in tribology <i>David Woods, Christopher J. Marley, Susan M. Lewis</i></p> <p>Paper 3: Constrained optimal experimental design <i>Lulu Kang</i></p> <p>Discussant(s) : -</p>
IPS075 29 August 2013 [09:00 - 11:15]	Room S228	<p>The business of weather and agriculture</p> <p>Organiser : <i>Banks, David</i></p> <p>Chair : <i>Banks, David</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 1: Non-linear statistical models to improve wind power forecasts <i>Pilar Muñoz, Josep A. Sánchez-Espigares, Dolores M. Márquez</i></p> <p>Paper 2: Composite likelihood approach for multivariable spatio-temporal processes <i>Ryan H.L. Ip, Wai Keung Li</i></p> <p>Paper 3: Improved point scale simulated climate projections for use in crop modelling <i>Philip Nicholas Kokic</i></p> <p>Discussant(s) : <i>Thavaneswaran, Aerambamoorthy</i></p>
IPS096 29 August 2013 [09:00 - 11:15]	Room S428	<p>Some progresses on probability theory</p> <p>Organiser : <i>Fang, Xiangzhong</i></p> <p>Chair : <i>Gong, Fuzhou</i></p> <p>Paper 1: Strong law of large numbers of some models related to branching processes <i>Yanxia Ren</i></p> <p>Paper 2: Hitting time distributions for denumerable birth and death processes <i>Yong-Hua Mao, Yu Gong, Chi Zhang</i></p> <p>Paper 3: Generalized Dyson Brownian motion, McKean-Vlasov equation and eigenvalues of random matrices <i>Xiangdong Li</i></p> <p>Paper 4: Strong law of larger numbers for capacities <i>Zengjing Chen</i></p> <p>Discussant(s) : -</p>
IPS111 29 August 2013 [09:00 - 11:15]	Convention Hall B	<p>Memorial session: Remembering G.E.P. Box, J. Durbin, C. L. Kincannon and K. Singh</p> <p>Organiser : <i>Nair, Vijay N.</i></p> <p>Chair : <i>Hallin, Marc</i></p> <p>Paper 1: George Box: The legacy of an ‘Accidental Statistician’ <i>Bovas Abraham</i></p> <p>Paper 2: Jim Durbin – A statistician on a world stage <i>Denise Lievesley</i></p> <p>Paper 3: Charles Louis Kincannon – Career civil servant and official statistician <i>Cynthia Z.F. Clark</i></p> <p>Paper 4: Kesar Singh: Reminiscences of a talented statistician <i>Regina Liu</i></p> <p>Discussant(s) : -</p>

Session Code / Date [Time]	Venue	Session / Paper
STS018 29 August 2013 [09:00 - 11:15]	Room S225	<p data-bbox="598 197 1364 280">The potential of Internet, big data and organic data for official statistics</p> <p data-bbox="598 293 997 331">Organiser : <i>Skaliotis, Michail</i></p> <p data-bbox="598 340 901 378">Chair : <i>Defays, Daniel</i></p> <p data-bbox="598 387 1332 521">Paper 1: Internet as a new source of information for the production of official statistics. Experiences of Statistics Netherlands.</p> <p data-bbox="598 530 861 568"><i>Nicolaes Heerschap</i></p> <p data-bbox="598 577 1228 616">Paper 2: Knowledge linking for online statistics</p> <p data-bbox="598 624 1252 663"><i>Marc Spaniol, Natalia Prytkova, Gerhard Weikum</i></p> <p data-bbox="598 672 1316 710">Paper 3: Big data coming soon to an NSI near you</p> <p data-bbox="598 719 758 757"><i>John Dunne</i></p> <p data-bbox="598 766 1412 855">Paper 4: Big data and official statistics: From opportunities to strategies</p> <p data-bbox="598 864 1252 902"><i>Emmanuel Letouzé, Eric Bensel, Johannes Jütting</i></p> <p data-bbox="598 911 1332 949">Paper 5: Building economic indicators from online data</p> <p data-bbox="598 958 869 996"><i>Manuel I. Bertolotto</i></p> <p data-bbox="598 1005 1061 1043">Discussant(s) : <i>de Panizza, Andrea</i></p>
STS038 29 August 2013 [09:00 - 11:15]	Room S427	<p data-bbox="598 1061 1356 1144">Coverage problems in administrative data and secured linking</p> <p data-bbox="598 1158 1228 1196">Organiser : <i>Bakker, Bart F.M. , Lavallee, Pierre</i></p> <p data-bbox="598 1205 917 1243">Chair : <i>Lavallee, Pierre</i></p> <p data-bbox="598 1252 1396 1341">Paper 1: Epidemiological and statistical secured matching in France</p> <p data-bbox="598 1350 1061 1388"><i>Catherine Quantin, Benoît Riandey</i></p> <p data-bbox="598 1397 1340 1487">Paper 2: Robustness of population size estimates against violation of the independence assumption</p> <p data-bbox="598 1496 1388 1585"><i>Susanna C. Gerritse, Peter G.M. Van Der Heijden, Bart F.M. Bakker</i></p> <p data-bbox="598 1594 1324 1684">Paper 3: Population size estimation based on erroneous capture-recapture data</p> <p data-bbox="598 1693 782 1731"><i>Lichun Zhang</i></p> <p data-bbox="598 1740 1348 1830">Paper 4: Estimating from mixed sources with incomplete coverage</p> <p data-bbox="598 1839 1332 1877"><i>Joep Burger, Arnout Van Delden, Piet Daas, Pieter Vlag</i></p> <p data-bbox="598 1886 1412 1975">Paper 5: Efficient private record linkage of very large datasets</p> <p data-bbox="598 1984 798 2022"><i>Rainer Schnell</i></p> <p data-bbox="598 2031 1244 2069">Discussant(s) : <i>Bodin Jean-Louis, Chambers Ray</i></p>

Session Code / Date [Time]	Venue	Session / Paper
STS040 29 August 2013 [09:00 - 11:15]	Room S425	<p>Implementing SNA2008/ESA2010 in the EU and OECD</p> <p>Organiser : <i>Stapel-Weber, Silke</i></p> <p>Chair : <i>Ahmad, Nadim</i></p> <p>Paper 1: Implementation of 2008 System of National Accounts by the Australian Bureau of Statistics <i>Branko Vitas, Michael Davies</i></p> <p>Paper 2: ESA2010 data transmission programme: What's new as of the second half 2014? <i>Roberto Barcellan, Silke Stapel-Weber, Johannes Wouters</i></p> <p>Paper 3: Technical challenges and opportunities for international exchange of national accounts data <i>Werner Bier</i></p> <p>Paper 4: National accounts data sharing between international organizations <i>Silke Stapel-Weber, Christine Gerstberger, Remigio Echeverria, Peter van de Ven</i></p> <p>Paper 5: Methodological challenges of SNA2008 and ESA2010 <i>Peter van de Ven</i></p> <p>Discussant(s) : <i>McCarthy, Paul</i></p>
STS041 29 August 2013 [09:00 - 11:15]	Room S226	<p>Statistics as a career choice for women: Great rewards, persistent challenges and making the change happen</p> <p>Organiser : <i>Golbeck Amanda L., Gel, Yulia R.</i></p> <p>Chair : <i>Gel, Yulia R.</i></p> <p>Paper 1: Statistics as a career choice for women in South Africa <i>Jacky Galpin</i></p> <p>Paper 2: Statistics as a career choice for women in Russia <i>Irina Eliseeva</i></p> <p>Paper 3: Statistics as a career choice for women in Mexico <i>Lilia Leticia Ramirez</i></p> <p>Paper 4: Statistics as a career choice for women in Canada <i>Sylvia Esterby</i></p> <p>Paper 5: Statistics as a career choice for women in Australia <i>Bronwyn Harch</i></p> <p>Paper 6: Statistics as a career choice for women in Mexico <i>Amanda L. Golbeck</i></p> <p>Discussant(s) : <i>Freeman, Jennifer Vanessa</i></p>
STS054 29 August 2013 [09:00 - 11:15]	Room S423	<p>Large sample covariance matrices and high-dimensional statistics</p> <p>Organiser : <i>Yao, Jeff J.F.</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Chair : <i>Li, Guodong</i></p> <p>Paper 1: A note on central limit theorems for linear spectral statistics of large dimensional F-matrix <i>Shurong Zheng, Zhidong Bai</i></p> <p>Paper 2: On the goodness-of-fit test in a factor model with high-dimensional data <i>Damien Passemier, Jian-Feng Yao</i></p> <p>Paper 3: On generalized expectation based estimation of a population spectral distribution from high-dimensional data <i>Weiming Li, Jianfeng Yao</i></p> <p>Discussant(s) : <i>Yao, Jeff J.F.</i></p>
<p>STS076 29 August 2013 [09:00 - 11:15]</p>	<p>Room S223</p>	<p>Cooperation between national central banks and national statistical institutes-challenges in the next decade</p> <hr/> <p>Organiser : <i>Peronaci, Romana</i></p> <p>Chair : <i>Radermacher, Walter Josef</i></p> <p>Paper 1: Enhancing statistical co-operation in Ireland <i>Joe McNeill</i></p> <p>Paper 2: Adjustment of domestic value added: Need for close cooperation between the National Bank (MNB) and the Statistical Office (HCSO) - Trade balance example <i>Péter Bánhegyi, Péter Szabó, Zsuzsanna Sisakne Fekete</i></p> <p>Paper 3: Cooperation between the NSI and Central Bank: The Chilean experience <i>Ricardo Vicuña</i></p> <p>Paper 4: The framework cooperation agreement between Oesterreichische Nationalbank and Statistics Austria: Providing official statistics in a more efficient way <i>Walter Stübler</i></p> <p>Paper 5: The relationship of central banks and national statistics offices: The Australian experience <i>Ian Ewing</i></p> <p>Discussant(s) : <i>Schubert, Aurel</i></p>
<p>STS094 29 August 2013 [09:00 - 11:15]</p>	<p>Room S222</p>	<p>Statistics in biopharmaceutical research</p> <hr/> <p>Organiser : <i>Zhang, Xiaohua Douglas</i></p> <p>Chair : <i>Tang, Dejun</i></p> <p>Paper 1: A new scheme to estimate median progression-free survival time in oncology clinical trials <i>Peng Li, Xing Sun, Cong Chen, Anderson Keaven</i></p> <p>Paper 2: Statistical issues in the analysis of rodent</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>carcinogenicity studies <i>Keith A. Soper</i></p> <p>Paper 3: A univariate statistical parameter assessing effect size for multivariate responses <i>Xiaohua Douglas Zhang</i></p> <p>Paper 4: Power simulation of incomplete block design in early phase clinical studies <i>Yuming Chen</i></p> <p>Paper 5: Adaptive designs in dose-finding oncology drug combination trials <i>Lian Liu, Bingming Yi, Yuehui Wu</i></p> <p>Discussant(s) : <i>Wang, Jiangdian</i></p>
<p>CPS001 29 August 2013 [09:00 - 11:15]</p>	<p>Room S424</p>	<p>Official statistics: Census</p> <p>Organiser : -</p> <p>Chair : <i>Mak, Anthony S.K.</i></p> <p>Paper 1: Census innovations: Integrating the population and housing census with the Agricultural Census <i>Nancy Chin</i></p> <p>Paper 2: Characteristics of households using electronic questionnaire in the 2011 Population Census in Hong Kong <i>Tat Shing Tsang</i></p> <p>Paper 3: Usage of geospatial technologies in census for producing statistics <i>Mohamed Ali Al Marri</i></p> <p>Paper 4: Advancement in dissemination processes from Census 2005 to Census 2011 - Case study of the Abu Dhabi Emirate <i>Ghanem Khalfan Almehairbi</i></p> <p>Paper 5: Development and challenges of the mobile-based population and housing census mapping system <i>Junwoo Jeon</i></p> <p>Paper 6: Factors affecting the decision to participate in the internet option for the 2010 Census of Korea <i>Sungjin Kim, Eunkoo Lee</i></p> <p>Paper 7: Assessment of drawing impacts of the questionnaire in Brazilian Census of 2010 <i>Luiz Felipe Walter Barros, Gilson Gonçalves de Matos, Marden Barbosa de Campos, Gabriel Mendes Borges</i></p> <p>Discussant(s) : -</p>

Session Code / Date [Time]	Venue	Session / Paper
CPS013 29 August 2013 [09:00 - 11:15]	Room S426	<p>Applications of statistics: Others (1)</p> <p>Organiser : -</p> <p>Chair : <i>Lui, Gilbert</i></p> <p>Paper 1: Parameter estimation of production functions based on Social Accounting Matrices (SAM) in General Equilibrium (GE) model framework computation <i>Guido Ferrari, Luca Secondi</i></p> <p>Paper 2: Stochastic model of the dynamics of Chagas disease in urban scenarios <i>Maria Del Carmen Fabrizio, Norberto J. Bartoloni</i></p> <p>Paper 3: Determinants of anaemia among young children in Nigeria: A Bayesian hierarchical modelling <i>Ezra Gayawan, Samson B. Adebayo, Ekundayo D. Arogundade</i></p> <p>Paper 4: Use of pseudo-likelihood approach in longitudinal educational surveys <i>Zhihui Fu</i></p> <p>Paper 5: Sparse principal component analysis incorporating stability selection <i>Martin Sill</i></p> <p>Paper 6: Bayesian population projections with model uncertainty <i>Peter W.F. Smith, Arkadiusz Wisniowski, Jakub Bijak, James Raymer</i></p> <p>Discussant(s) : -</p>
CPS022 29 August 2013 [09:00 - 11:15]	Room S224	<p>Statistical theory and methodology: Time series analysis</p> <p>Organiser : -</p> <p>Chair : <i>Yu, Philip Leung Ho</i></p> <p>Paper 1: Poisson autoregressive and moving-average models for forecasting non-stationary seasonal time series of tourist counts in Mauritius <i>Vandna Jowaheer, Naushad Ali Mamode Khan, Yuvraj Sunecher</i></p> <p>Paper 2: Bootstrap joint prediction regions <i>Michael Wolf, Dan Wunderli</i></p> <p>Paper 3: Wavelet estimation of functional coefficient regression models <i>Pedro Alberto Morettin, Michel H. Montoril, Chang Chiann</i></p> <p>Paper 4: Bootstrapping realized bipower variation <i>Gang Feng, Jens-Peter Kreiss</i></p> <p>Paper 5: Extensions of the autoregressive Sieve bootstrap to</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>multivariate and spatial time series <i>Marco Meyer, Jens-Peter Kreiss</i></p> <p>Paper 6: Multivariate linear processes with observations taken at different frequencies in each component <i>Tobias Niebuhr, Marco Meyer</i></p> <p>Paper 7: Measuring bivariate average treatment effect <i>Patrick Franco Alves, Gustavo T.L. Da Costa</i></p> <p>Paper 8: A Bayesian approach to indirect-VaR TGARCH models <i>Yuzhi Cai</i></p> <p>Discussant(s) : -</p>
<p>CPS026 29 August 2013 [09:00 - 11:15]</p>	<p>Room S429</p>	<p>Research on statistical theory and practices in China</p> <p>Organiser : -</p> <p>Chair : <i>Yu, Yang</i></p> <p>Paper 1: BRICS international competitiveness on innovation capacity-evidence from cross countries comparison <i>Bin Gu, Yilin Wu</i></p> <p>Paper 2: IPFP: An improved parallel FP-growth algorithm for frequent itemsets mining <i>Dawen Xia, Zili Zhang, Yanhui Zhou, Zhoubo Rong</i></p> <p>Paper 3: Research on the construction of industrial R&D price index in China - Taking large and medium-sized industry for example <i>Facang Zhu, Yan Zhang</i></p> <p>Paper 4: Expanded dual system estimation model and its matching properties in census coverage error measurement <i>Ran Tao</i></p> <p>Paper 5: Asymptotic expansions for moments of skew normal extremes <i>Xin Liao, Zuoxiang Peng, Saralees Nadarajah</i></p> <p>Paper 6: Quasi maximum likelihood estimation for non-stationary TGARCH(1, 1) models <i>Hui Wang, Jiazhu Pan</i></p> <p>Discussant(s) : -</p>
<p>CPS106 29 August 2013 [09:00 - 11:15]</p>	<p>Hall 3G</p>	<p>Poster spotlight (6)</p> <p>Organiser : -</p> <p>Chair : <i>Hung, Kaisy King-Chi</i></p> <p>Paper 1: Analysis of food self-sufficiency in rice in Senegal <i>Adjélé Latzey Wilson</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 2: Estimation of golf course ratings from player scores <i>Peter Francis Preston</i></p> <p>Paper 3: Creative class formation: International comparisons, statistical evaluation and forecast <i>Maria Vladimirovna Frolova, Elena V. Zarova</i></p> <p>Paper 4: Trends of cluster malnutrition prevalence and hunger pattern in Kazaure local government area of Jigawa State, north-eastern Nigeria (2010 - 2012) <i>Anthony Ekpo, Enobong F. Udoumoh</i></p> <p>Paper 5: Generalization of the mixture model using a copula function <i>Luiz K. Hotta, Rodrigo Tsai</i></p> <p>Paper 6: Multiple imputation reducing outlier effect by weight adjustment method <i>Jinyoung Kim, Key-Il Shin</i></p> <p>Paper 7: Longitudinal analysis of the cognitive function of the elderly in Taiwan <i>Hsing-Yi Chang, Ting-Yu Chen</i></p> <p>Paper 8: Analysis of longitudinal data under complex surveys <i>Abdulhakeem A.H. Eideh</i></p> <p>Paper 9: Survey nonresponse adjustments in the application of methods for the treatment of sensitive questions <i>Leonardo Trujillo, Luz Mery Gonzalez</i></p> <p>Paper 10: Increasing survey statistics precision using split questionnaire design: An application of small area estimation <i>Saeideh Kamgarsangari, Hamidreza Navvabpour</i></p> <p>Paper 11: Estimation of population mean when the population mean of auxiliary character is not known <i>Manish Kumar Sharma, Sharad Bhatnagar</i></p> <p>Paper 12: Does our culture promote abuse? Bridewealth and domestic violence in Ghana <i>Kamil Fuseini</i></p> <p>Paper 13: A visit to modelling field jute variety trials - Indian perspective <i>Kalyan Kumar Goswami, Satyabrata Pal</i></p> <p>Paper 14: Reproducibility and its impact on power in microRNA experiments <i>Christian Dehlendorff, Julia S. Johansen, Nicolai A. Schultz, Klaus K. Andersen</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 15: Exponential ratio type estimators of population mean under non response <i>Paramdeep Kaur, Lovleen Kumar Grover</i></p> <p>Paper 16: Indirect sampling using dual frame surveys <i>Manuela Maia</i></p> <p>Paper 17: Questionnaire design and response propensities for employee income micro data <i>Reza Che Daniels</i></p> <p>Paper 18: Underlying motivational indicators behind voting behavior in major elections: A statistical methodology <i>Dhiren Ghosh</i></p> <p>Paper 19: Segmentation by bayesian edge detection applied to medical ultrasound images <i>Mulugeta Tesfa</i></p> <p>Discussant(s) : -</p>
IPS076 29 August 2013 [13:00 - 15:15]	Convention Hall C	<p>Recent developments in asymptotic statistics of stochastic processes</p> <p>Organiser : <i>Masuda, Hiroki</i></p> <p>Chair : <i>Masuda, Hiroki</i></p> <p>Paper 1: Threshold estimation for stochastic differential equations with jumps <i>Yasutaka Shimizu</i></p> <p>Paper 2: A test for the rank of the volatility process: The random perturbation approach <i>Mark Podolskij, Jean Jacod</i></p> <p>Paper 3: Discriminant analysis for stochastic differential equations based on sampled data <i>Masayuki Uchida</i></p> <p>Paper 4: On ADF goodness of fit tests for stochastic processes <i>Yury A. Kutoyants</i></p> <p>Discussant(s) : -</p>
IPS077 29 August 2013 [13:00 - 15:15]	Theatre 2	<p>Credit risk</p> <p>Organiser : <i>Privault, Nicolas</i></p> <p>Chair : <i>Privault, Nicolas</i></p> <p>Paper 1: Utility maximization for a defaultable security with discrete monitoring <i>Jun Sekine</i></p> <p>Paper 2: A double HMM approach to Altman Z-scores and credit ratings</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Tak Kuen Siu, Robert J. Elliott, Eric S. Fung</i> Paper 3: Bayesian analysis of structure credit risk models with micro-structure noises and jump diffusion <i>Hoi Ying Wong, Sau-Lung Chan, Kwok-Wah Ho</i> Paper 4: Price formation in limit order markets with bilateral trading agreements <i>Martin D. Gould, Nikolaus Hautsch, Mason A. Porter, Stacy Williams, Mark McDonald, Daniel J. Fenn, Sam D. Howison</i> Discussant(s) : -</p>
IPS078 29 August 2013 [13:00 - 15:15]	Room S421	<p>Towards an integrated statistical system of social accounts Organiser : <i>Zhang, Lichun</i> Chair : <i>Ljones, Olav</i> Paper 1: Macro-integration techniques to reconcile labour market statistics from different sources <i>Nino Mushkudiani, Jacco Daalmans, Jeroen Pannekoek</i> Paper 2: Quality assessment in systems with registers and sample surveys <i>Anders Wallgren, Britt Wallgren</i> Paper 3: Microdata integration for labour account <i>Pernille Stender, Thomas Thorsen</i> Discussant(s) : <i>Zhang, Lichun</i></p>
IPS079 29 August 2013 [13:00 - 15:15]	Room S228	<p>Analysis of distributional data Organiser : <i>Brito, Paula</i> Chair : <i>Brito, Paula</i> Paper 1: Analysis of distribution valued data using techniques of FDA <i>Masahiro Mizuta</i> Paper 2: Clustering in contemporary mixed-valued data <i>Lynne Billard, Jaejik Kim</i> Paper 3: A hierarchical conceptual clustering based on the quantile method for mixed feature-type data <i>Manabu Ichino, Paula Brito</i> Discussant(s) : <i>Diday, Edwin</i></p>
IPS080 29 August 2013 [13:00 - 15:15]	Room S428	<p>New developments in small area estimation and applications Organiser : <i>Hidioglou, Mike A.</i> Chair : <i>Rao, J.N.K.</i> Paper 1: Benchmarking and design-consistency in small area estimation <i>Parthasarathi Lahiri</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 2: An outlier robust block bootstrap for small area estimation <i>Ray Chambers, Payam Mokhtarian</i></p> <p>Paper 3: A review of poverty mapping procedures <i>Isabel Molina, J.N.K. Rao</i></p> <p>Discussant(s) : <i>Kalton, Graham</i></p>
IPS081 29 August 2013 [13:00 - 15:15]	Room S225	<p>Statistical methods in educational evaluation</p> <p>Organiser : <i>Ferrão, Maria Eugénia</i></p> <p>Chair : <i>Ferrão, Maria Eugénia</i></p> <p>Paper 1: Additional samples with overlapping and balancing conditions: Theoretical aspects and application to students' assessment data <i>Thierry Rocher, Marc Christine</i></p> <p>Paper 2: Using Item Response Mixed (IRM) models to improve the comparability of educational assessment scores <i>Tufi Machado Soares</i></p> <p>Paper 3: Item Response Theory (IRT) and large scale learning assessment in Brazil <i>Ruben Klein</i></p> <p>Paper 4: England's multilevel model based value-added school league tables: Measuring and communicating statistical uncertainty to parents <i>George Leckie</i></p> <p>Discussant(s) : <i>Braun, Henry</i></p>
IPS082 29 August 2013 [13:00 - 15:15]	Theatre 1	<p>GIS and census</p> <p>Organiser : <i>Leung, Stephen K.C.</i></p> <p>Chair : <i>Leung, Stephen K.C.</i></p> <p>Paper 1: Planning for the future, building on decades of success: The role of geospatial data at the Census Bureau <i>Michael R. Ratcliffe</i></p> <p>Paper 2: Application of GIS in the 2011 Australian Census and thoughts for 2016 <i>Alister Donald Nairn</i></p> <p>Paper 3: Exploring and monitoring change in educational level on national, regional and city level <i>Katja Vilkama, Marja Tammilehto-Luode</i></p> <p>Paper 4: Did the dream become reality? Twenty five years of using GIS for census analysis <i>Derek Bond</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		Discussant(s) : <i>Ho, Frederick W.H.</i>
IPS102 29 August 2013 [13:00 - 15:15]	Convention Hall B	<p>How can the statistics community help its younger members in the early stages of their careers?</p> <p>Organiser : <i>Bidgood, Penelope Lois</i> Chair : <i>Bidgood, Penelope Lois</i></p> <p>Paper 1: Mentoring of professional statisticians under auspices of accredited statistical program: Example of Statistical Society of Canada (SCC) <i>Judy-Anne W. Chapman</i></p> <p>Paper 2: Mentoring and development of government statisticians: Experiences as a senior government official and parent <i>Cynthia Z.F. Clark</i></p> <p>Paper 3: Panel discussion entitled "Listening to the needs of young mentees: a forum in honour of Martha Aliaga's mentoring work" <i>Helen Louise MacGillivray</i></p> <p>Discussant(s) : <i>Budgett Stephanie, Freeman Jennifer Vanessa, Thanh Loan Le Thi, Thiongane Awa</i></p>
STS002 29 August 2013 [13:00 - 15:15]	Room S423	<p>Finite sample behavior of statistical procedures</p> <p>Organiser : <i>Jureckova, Jana</i> Chair : <i>Hlubinka, Daniel</i></p> <p>Paper 1: Interval estimation procedures and information inequalities <i>Masafumi Akahira</i></p> <p>Paper 2: Finite sample properties of change point procedures <i>M. Huskova</i></p> <p>Paper 3: A small sample bias correction and implications for inference <i>Brenton R. Clarke, Christopher J. Milne</i></p> <p>Paper 4: Shape constraints in empirical Bayes inference <i>Ivan Mizera, Mu Lin</i></p> <p>Paper 5: Multivariate regression L-estimation <i>Jan Picek, Jana Jureckova, Pranab K. Sen</i></p> <p>Discussant(s) : <i>Jureckova, Jana</i></p>
STS088 29 August 2013 [13:00 - 15:15]	Room S223	<p>Seasonal adjustment - New statistical tools for analysing economic developments</p> <p>Organiser : <i>Kirchner, Robert</i> Chair : <i>Kirchner, Robert</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 1: X-13ARIMA-SEATS and iMetrica <i>Brian C. Monsell, Chris Blakely</i></p> <p>Paper 2: JDemetra+, an open framework for seasonal adjustment <i>Jean Palate</i></p> <p>Paper 3: Time series-dependent selection of an appropriate seasonal adjustment approach <i>Karsten Webel</i></p> <p>Paper 4: Comparing seasonally adjusted results obtained with Demetra and JDemetra+ <i>Faiz Alsu hail</i></p> <p>Discussant(s) : <i>Brown, Gary</i></p>
<p>STS089 29 August 2013 [13:00 - 15:15]</p>	<p>Room S425</p>	<p>Fuzzy Bayesian inference</p> <p>Organiser : <i>Viertl, Reinhard Karl</i></p> <p>Chair : <i>Alvo, Mayer</i></p> <p>Paper 1: Probability measures of fuzzy sets <i>Nozer D. Singpurwalla</i></p> <p>Paper 2: Fuzziness and Bayesian analysis in engineering <i>Matthias Stein, Michael Beer, Vladik Kreinovich</i></p> <p>Paper 3: Possibilistic Bayesian models <i>S. Mahmoud Taheri, Reinhard Karl Viertl, Mohsen Arefi</i></p> <p>Paper 4: Fuzzy probability distributions in Bayesian analysis <i>Reinhard Karl Viertl, Owat Sunanta</i></p> <p>Discussant(s) : -</p>
<p>STS096 29 August 2013 [13:00 - 15:15]</p>	<p>Room S222</p>	<p>Intra-customs and trans-border statistics: Prospects for cross cooperation</p> <p>Organiser : <i>Simchera, Vasiliy</i></p> <p>Chair : <i>Simchera, Vasiliy</i></p> <p>Paper 1: Processes in trans-border areas significant impact on the economic growth <i>Marek Cierpial-Wolan</i></p> <p>Paper 2: The indexation and monitoring of the modern trans-border processes <i>Serhii Ustych</i></p> <p>Paper 3: Joint implementation of the project “Index of cross - border cooperation” <i>Vasil Hudak</i></p> <p>Paper 4: Poland border dialogues. Developing a CBC Index for Europe</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Rune Rafaelsen</i></p> <p>Paper 5: Intra and trans statistics: Requirements and parameters of modern IT platforms review and new paradigms</p> <p><i>Sergey Nesterov, Vasiliy Simchera</i></p> <p>Discussant(s) : <i>Olenski, Jozef</i></p>
<p>CPS005</p> <p>29 August 2013</p> <p>[13:00 - 15:15]</p>	<p>Room S226</p>	<p>Official statistics: Estimation and quality assurance</p> <p>Organiser : -</p> <p>Chair : <i>Chan, Ka Lin</i></p> <p>Paper 1: Ethiopian Data Quality Assessment Frame Work (EDQAF)</p> <p><i>Aberash Tariku Abaye</i></p> <p>Paper 2: Establishing remote access to confidential German micro labor market data</p> <p><i>Jörg Heining, Stefan Bender</i></p> <p>Paper 3: A note on double sampling estimate and post estimation with BLS outlier adjustment</p> <p><i>Seokdong Kim, Sangeun Lee</i></p> <p>Paper 4: Use of administrative records for producing official statistics in Japan</p> <p><i>Shinji Ueda, Masao Takahashi</i></p> <p>Paper 5: Implementing selective editing at Statistics Finland</p> <p><i>Marjo Pyy-Martikainen</i></p> <p>Paper 6: How ISO based quality management system helps to monitor and ensure quality in statistics</p> <p><i>Vilija Lapėnienė, Laura Lukšaitė-Balakauskienė</i></p> <p>Paper 7: Statistical methods for the detection of falsified data by interviewers and application survey data in Africa</p> <p><i>Souleymane Diakite</i></p> <p>Paper 8: Evaluation of census information through a quality indicator of the questionnaires</p> <p><i>Gabriel Mendes Borges, Marden Barbosa de Campos, Gilson Gonçalves de Matos, Luiz Felipe Walter Barros</i></p> <p>Discussant(s) : -</p>
<p>CPS016</p> <p>29 August 2013</p> <p>[13:00 - 15:15]</p>	<p>Room S424</p>	<p>Survey sampling</p> <p>Organiser : -</p> <p>Chair : <i>Cheung, Ka Chun</i></p> <p>Paper 1: A new sampling scheme for partial non-response situations with multiple objectives</p> <p><i>Showkat Maqbool</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 2: Improved estimation of population mean in stratified random sampling using information on auxiliary attribute <i>Nursel Koyuncu</i></p> <p>Paper 3: Economic efficiency of the LTPD sampling plans for inspection by variables when the remainder of rejected lots is inspected <i>Nikola Kasprikova, Jindrich Klufa</i></p> <p>Paper 4: Cut-off sampling for log-normal distribution <i>Sang Eun Lee, Key-Il Shin</i></p> <p>Paper 5: Designing household samples in Brazil using the 2010 Census enumeration area frame <i>Sâmela Batista Arantes, Pedro Luis Do Nascimento Silva</i></p> <p>Paper 6: Using principal component scores as stratification variable: An alternative to multiple frame sampling methodology <i>Kevin Carl Peña Santos, Erniel B. Barrios</i></p> <p>Paper 7: Surveying kindergarten children in the absence of a sampling frame: A study in indirect sampling <i>Hans Kiesel</i></p> <p>Paper 8: The first phase order sampling for the second phase stratification <i>Danute Krapavickaite</i></p> <p>Discussant(s) : -</p>
<p>CPS018 29 August 2013 [13:00 - 15:15]</p>	<p>Room S426</p>	<p>Statistical theory and methodology: Theory of statistics (1)</p> <p>Organiser : -</p> <p>Chair : <i>Lam, Yeh</i></p> <p>Paper 1: Simultaneous selection and estimation of the largest normal mean by confidence statement approach <i>Yoshikazu Takada</i></p> <p>Paper 2: Examining the role of a non-informative prior function through weakly informative prior densities <i>Takemi Yanagimoto, Toshio Ohnishi</i></p> <p>Paper 3: Measuring the distance between images and image uncertainty using wavelet decompositions and the Earth mover's Distance <i>Roy E. Welsch, Yunfan Tang</i></p> <p>Paper 4: Anderson-Darling type goodness-of-fit statistic based on a multifold integrated empirical distribution function <i>Satoshi Kuriki, Hsien-Kuei Hwang</i></p> <p>Paper 5: On the bootstrap approach for support vector machines</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>and related kernel based methods <i>Andreas Christmann, Robert Hable</i></p> <p>Paper 6: Dual roles of maximizing likelihood and Shannon entropy in Bayesian prediction <i>Toshio Ohnishi, Takemi Yanagimoto</i></p> <p>Paper 7: Hardy's condition in the moment problem for probability distributions <i>Gwo Dong Lin, Jordan Stoyanov</i></p> <p>Paper 8: Detection of a random sequence of disorders <i>Krzysztof J. Szajowski, Aleksandra Ochman-Gozdek</i></p> <p>Discussant(s) : -</p>
<p>CPS019 29 August 2013 [13:00 - 15:15]</p>	<p>Room S224</p>	<p>Statistical theory and methodology: Statistical modelling</p> <p>Organiser : -</p> <p>Chair : <i>Yip, Chun Yin</i></p> <p>Paper 1: Detecting a wide diversity of associations in very large data sets <i>Susan Ruth Wilson, Christopher Pardy</i></p> <p>Paper 2: On a mixture of Gaussian copula graphical model <i>Wai Ming Li, Mike K.P. So</i></p> <p>Paper 3: Nonparametric regression for spherical data <i>Charles C. Taylor, Marco Di Marzio, Agnese Panzera</i></p> <p>Paper 4: Errors-in-variables beta regression models <i>Silvia L.P. Ferrari, Jalmar M.F. Carrasco, Reinaldo B. Arellano-Valle</i></p> <p>Paper 5: Measure of symmetry with minimum variance for square contingency tables <i>Kouji Yamamoto, Kouji Tahata, Sadao Tomizawa</i></p> <p>Paper 6: Zero-inflated Poisson regression mixture models <i>Hwa Kyung Lim, Wai Keung Li, Philip Leung Ho Yu</i></p> <p>Paper 7: Expectation maximization algorithms for estimating Bernstein copula density <i>Xiaoling Dou, Satoshi Kuriki, Gwo Dong Lin</i></p> <p>Discussant(s) : -</p>
<p>CPS027 29 August 2013 [13:00 - 15:15]</p>	<p>Room S429</p>	<p>Research on statistical method and application in China</p> <p>Organiser : -</p> <p>Chair : <i>Zhong, Changyuan</i></p> <p>Paper 1: Processing trade, sunk costs, firm heterogeneity and export behavior <i>Xiaojuan Xu, Minxue Gao</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 2: Analysis of living status of the married migrant youth based on a sampling survey <i>Qin Yin, Yong Wen, You-Liang Shuai, Zhan-Hong Zong, Pei Xu</i></p> <p>Paper 3: The study of direct energy consumption of urban residents in China based on the modified IPAT- LMDI model <i>Shigai Chai</i></p> <p>Paper 4: The human capital investment model based on the stochastic control problem <i>Yang Yu</i></p> <p>Paper 5: New trends in the research of young people's digital life in mainland China: Case study of current digital life status of citizens of two Beijing districts <i>Keqing Yang, Huixin Ke</i></p> <p>Paper 6: A study on sample assessment method in sampling survey <i>Yi Zhou, Zuyuan Xiong, Li Zhu</i></p> <p>Discussant(s) : -</p>
<p>CPS107 29 August 2013 [13:00 - 15:15]</p>	<p>Hall 3G</p>	<p>Poster spotlight (7)</p> <p>Organiser : -</p> <p>Chair : <i>Cheung, Christine M.C.</i></p> <p>Paper 1: On decomposition of point-symmetry in square contingency tables <i>Kouji Tahata</i></p> <p>Paper 2: United statistical algorithms, LP comoments, copula density, nonparametric modeling <i>Emanuel Parzen, Subhadeep Mukhopadhyay</i></p> <p>Paper 3: Is there a best kernel density estimator? <i>Kairat T. Mynbaev, Saralees Nadarajah, Christopher S. Withers, Aziza S. Aipenova</i></p> <p>Paper 4: An overview of the generalized multivariate beta type II distribution and its extensions <i>Karien Adamski, Andriëtte Bekker, Schalk Human, Kotie Roux</i></p> <p>Paper 5: Epidemiological model of female caregiver burden in low income areas in Cape Town - South Africa <i>A. Yakubu Almumin Yakubu, de Wet Schutte</i></p> <p>Paper 6: Search for top-k consensus objects in multiple ranked lists: TopKInference versus other recent procedures <i>Vendula Svendova, Michael G. Schimek</i></p> <p>Paper 7: Made in Italy firms competitiveness: A multilevel</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>longitudinal model on export performance <i>Matilde Bini, Margherita Velucchi</i></p> <p>Paper 8: Respondent-driven sampling and random walks on directed networks <i>Jens Malmros, Tom Britton</i></p> <p>Paper 9: Asymptotic concentration probabilities of the Pitman estimator and weighted estimators in the non-regular case <i>Nao Ohyauchi</i></p> <p>Paper 10: Iterative estimation for conditional estimating equations <i>Weiyu Li, Valentin Patilea</i></p> <p>Discussant(s) : -</p>
<p>CPS204 29 August 2013 [08:30 - 17:45]</p>	<p>Hall 3G</p>	<p>Poster display Day 4</p> <p>Organiser : -</p> <p>Chair : -</p> <p>Paper 1: The demolition rate of residential buildings in Iran <i>Banafsheh Najafi</i></p> <p>Paper 2: Application of generalized linear mixed models to study the surface activity of scorpions <i>Fernando Casanoves, Mónica F. Nime, Raúl E. Macchiavelli, Camilo I. Mattoni</i></p> <p>Paper 3: Spatial aspects of community well-being. Analyzing contextual and individual sources of variation using multilevel modeling <i>Włodzimierz Okrasa</i></p> <p>Paper 4: Life-styles: Relationship with the buying behavior and consumption of individuals <i>Liliana Carmen Severino</i></p> <p>Paper 5: Modelling and analysis of forest fire data in Portugal <i>Giovani Loiola Da Silva, Maria Inês Dias</i></p> <p>Paper 6: Fertility differentials by level of educational attainment in the context of economic crisis and tempo effects in Korea <i>Eunkoo Lee</i></p> <p>Paper 7: Statistical challenges in modern economics <i>Wei Luo, Yonghong Zhou</i></p> <p>Paper 8: Use of item response theory in the mathematic test <i>Shaowei Li, Li Wang</i></p> <p>Paper 9: Modeling the distribution of intensity and duration of rainfall data with a polynomial copula</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Ronald Robert Van Nooijen, Emna Gargouri-Ellouze, Alla G. Kolechkina</i></p> <p>Paper 10: Food statistics of Sri Lanka: Issues in a market economy <i>Wijitapure Wimalaratana</i></p> <p>Paper 11: Investigating outliers detection methods for the Iranian manufacturing establishment survey data <i>Zahra Rezaei Ghahroodi, Taban Baghfalaki, Mojtaba Ganjali</i></p> <p>Paper 12: Innovation and productivity in Chinese firms: A micro study of four manufacturing sectors <i>Feng Zhen</i></p> <p>Paper 13: Mapping the prevalence of non-communicable disease in Ghana: 2003-2007 <i>Henry Tagoe</i></p> <p>Paper 14: The effect of business demography on index numbers calculation <i>Roberto Gismondi</i></p> <p>Paper 15: Stages of statistical strategy in mobility household surveys. Challenges addressed <i>Maria Florencia Alvarez Picco, Alicia María Picco, Clyde Charre</i></p> <p>Paper 16: The new face of HIV/AIDS: What new information needs to be given to the young people <i>Viola Nampeera, Vivienne Najjemba, N. Miuro Flavia, Richard Musabe</i></p> <p>Paper 17: Search for the best operating conditions of a soft drink bottling process through optimum designs of experiments <i>Marta Ruggieri, Lucía Noelia Hernández, José A. Pagura, Cristina R. Puigsubirá</i></p> <p>Paper 18: Accounting for spatially varying directional effects in spatial covariance structures <i>Joaquim Henriques Vianna Neto, Alexandra M. Schmidt, Peter Guttorp</i></p> <p>Paper 19: Manufacturing sector, natural resources and economic growth in Africa <i>Marc Luc Akplogan</i></p> <p>Paper 20: Trans-border non-institutional economic activities: Multilevel assessment of their impact on community well-being - Case of Poland and neighboring countries</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Pawel Markocki, Wlodzimierz Okrasa, Marek Cierpial-Wolan</i> Paper 21: Dynamic study of rural poverty in Senegal <i>Lao Guy Kenao</i> Paper 22: Estimating the efficiency of innovation in banking industry <i>Irina Yakivna Karcheva, Anna T. Karcheva</i> Paper 23: Measuring perceptions of diarrhoeal disease risk in a climate sensitive environment <i>Mumuni Abu</i> Paper 24: Compare the evaluating methods of variance of estimate on complex two-phase sampling with different sampling units on each phase <i>Young Jin, Sang Eun Lee, Key Il Shin</i> Paper 25: Developing the innovative ability of the youth by reforming statistical teaching methods <i>Yan Shi Luo</i> Paper 26: The comparative analysis of competitiveness of human resources of 59 countries and regions based on IMD data <i>Rufei Zhang, Lijun Liu</i> Paper 27: Fund flows in Hong Kong: A balance of payments' perspective <i>Wing Hung, Ricky Choi</i> Paper 28: Analysis of the behavioral mechanisms with structural equation model: Based on experimental study of students' exercise behavior in junior high school <i>Daoling Fu</i> Paper 29: Statistical methods in assessment of the European structural funds impact on standard of living in Poland - Regional approach <i>Kamil Kruszyński, Wacława Starzyńska</i> Paper 30: Comparisons between Cigarette Smoking and Alcoholic Drinking Behavior Survey and Global Adult Tobacco Survey in Thailand <i>Jason Hsia, Hataichanok Puckcharern</i> Paper 31: Evaluation of the effect of outliers on the GFI quality adjustment index in structural equation models and proposal of alternative quality indices Lucia Pereira Barroso, Marcelo Angelo Cirillo Paper 32: A clustering-based test for non-additivity in an</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>unreplicated two-way layout Waqas Ahmed Malik, Jens Möhring, Hans-Peter Piepho Paper 33: Approximate Bayesian computation for model choice Anthony Nicholas Pettitt, Christopher C. Drovandi, Xing Ju Lee Paper 34: Constraints and restraints in analysis and design of experiments with the roles defined algebraically in detail Tadao Shibayama Paper 35: Automated outlier detection in singular spectrum analysis Jacques de Klerk Paper 36: Comparative health-education output and economic growth in Nigeria Timothy Olabisi Olatayo, Moses C. Ekperiware Paper 37: Identifying the differentially expressed genes with RNA-Seq data Huey-Miin Hsueh, Hung-Ting Lu Paper 38: Statistical disclosure risk assessment in remote analysis systems Bronwyn Loong, Christine M. O'Keefe Paper 39: Competing risks survival analysis with recurrent events <i>Carlos Miguel Martinez</i> Paper 40: Maximum likelihood estimation for mixtures of skew Student-t-normal distributions through practical EM-type algorithms <i>Tsung-I Lin</i> Paper 41: Death won't wait: Cancer deaths around birthdays and religious holidays <i>Holger Leerhoff, Ulrike Rockmann</i> Paper 42: Inference for multivariate T linear mixed models with damped exponential correlation errors <i>Wan-Lun Wang</i> Paper 43: Asymptotic variance of sample vector variance of standardized variables <i>Erna Tri Herdiani, Maman A. Djauhari, Saleh A. F., Annisa, Nasrah Sirajang</i> Paper 44: Towards better statistics on well-being and societal progress - The European framework for measuring progress <i>Marina Signore, Donatella Fazio</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 45: Additive hazard model with additive frailty for semi-competing risks data <i>Jinheum Kim, Youn Nam Kim, Chung Mo Nam, Yang-Jin Kim</i></p> <p>Paper 46: Nonparametric tilted density function estimators <i>Hassan Doosti, Peter Hall</i></p> <p>Paper 47: Bayesian estimation of the spatial variation of the completeness magnitude for the Venezuelan seismic catalogue <i>Raquel Vasquez, Lelys Bravo de Guenni</i></p> <p>Paper 48: Correlation between seismic events and active faults in Venezuela <i>Carolina Granado, Raquel Vasquez</i></p> <p>Discussant(s) : -</p>

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Session Code / Date [Time]	Venue	Session / Paper
IPS085 30 August 2013 [09:00 - 11:15]	Convention Hall B	<p>Transforming national statistics offices through information management</p> <p>Organiser : <i>Tam, Siu-Ming</i></p> <p>Chair : <i>Dunnet, Gary</i></p> <p>Paper 1: Plug and play statistical components - The cornerstone for future proofing Australia's statistical systems <i>Frank Pun Ki Yu, Gillian Nicoll, Michael Meagher</i></p> <p>Paper 2: Information management as tool for standardisation in statistics <i>Barteld Braaksma, Kees Zeelenberg</i></p> <p>Paper 3: Innovate or perish - Italy's Stat2015 modernisation programme <i>Emanuele Baldacci</i></p> <p>Paper 4: New ways of working on the collaboration platform of the Government Statistical Service of Hong Kong, China <i>Anthony S.K. Mak</i></p> <p>Paper 5: ABS iPhone App - The way of the future? <i>David Sullivan</i></p> <p>Discussant(s) : <i>Radermacher, Walter Josef</i></p>
IPS086 30 August 2013 [09:00 - 11:15]	Convention Hall A	<p>Benchmarking in classification research</p> <p>Organiser : <i>Van Mechelen, Iven</i></p> <p>Chair : <i>Brito, Paula</i></p> <p>Paper 1: Measurement of quality in cluster analysis <i>Christian Hennig</i></p> <p>Paper 2: Resampling methods for exploring cluster stability <i>Friedrich Leisch</i></p> <p>Paper 3: The role and nature of simulation studies in evaluating approaches to cluster analysis <i>Douglas Steinley</i></p> <p>Paper 4: Stimulating benchmarking in classification research: A challenge taken up by the International Federation of Classification Societies <i>Iven Van Mechelen</i></p> <p>Discussant(s) : -</p>
IPS087 30 August 2013 [09:00 - 11:15]	Convention Hall C	<p>Analytic inference for data from complex surveys</p> <p>Organiser : <i>Opsomer, Jean D.</i></p> <p>Chair : <i>Berg, Emily J.</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 1: Testing for informativeness in analytic inference from complex survey data <i>Jean D. Opsomer, F. Jay Breidt, Wade Herndon, Ricardo Cao, Mario Francisco Fernández</i></p> <p>Paper 2: Fitting models to complex survey data accounting for nonignorable sampling and nonresponse <i>Danny Pfeffermann, Moshe Feder</i></p> <p>Paper 3: Rank tests with data from a complex survey <i>Alastair John Scott, Thomas Lumley</i></p> <p>Paper 4: Testing of parametric models fitted to high-dimensional contingency tables using complex survey data <i>Chris J. Skinner, Irimi Moustaki</i></p> <p>Discussant(s) : -</p>
IPS088 30 August 2013 [09:00 - 11:15]	Theatre 2	<p>Implementation of Core Skills Framework (CSF) for training official statisticians</p> <p>Organiser : <i>Chultemjants, Davaasuren (Suren)</i></p> <p>Chair : <i>Guerrero, Margarita</i></p> <p>Paper 1: Training official statisticians in India <i>TCA Anant</i></p> <p>Paper 2: Training official statistician in Africa <i>Innocent Ngalinda, Albina Andrew Chuwa</i></p> <p>Paper 3: Training statisticians: Experience of the Russian Federation <i>Alexander Surinov</i></p> <p>Discussant(s) : <i>De Silva Arukatti Patabandige Gamini S., Selda Jr Gervacio G</i></p>
IPS089 30 August 2013 [09:00 - 11:15]	Room S421	<p>Recent advances in statistical machine learning and its biomedical applications</p> <p>Organiser : <i>Liu, Yufeng</i></p> <p>Chair : <i>Kang, Lulu</i></p> <p>Paper 1: Machine learning methods for individualizing real-time treatment policies <i>Susan A. Murphy, Richard S. Sutton</i></p> <p>Paper 2: Joint estimation of multiple dependent Gaussian graphical models <i>Yufeng Liu, Yuying Xie, William Valdar</i></p> <p>Paper 3: Genetic association test based on nonparametric stratification of propensity scores <i>Heping Zhang, Yaji Xu, Chi Song, Yuan Jiang</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 4: Clustering and classification of metagenomes with sequence features <i>Xuegong Zhang</i> Discussant(s) : -</p>
<p>IPS090 30 August 2013 [09:00 - 11:15]</p>	<p>Room S228</p>	<p>Recent developments in imputation Organiser : <i>Tillé, Yves</i> Chair : <i>Tillé, Yves</i> Paper 1: Handling nonignorable nonresponse using generalized calibration with latent variables <i>M. Giovanna Ranalli, Alina Matei, Andrea Neri</i> Paper 2: Hot deck imputation for multivariate missing data <i>Jae-Kwang Kim, Wayne A. Fuller</i> Paper 3: Balanced k-nearest neighbor imputation <i>Caren Hasler, Yves Tillé</i> Discussant(s) : <i>Kott, Phillip S.</i></p>
<p>IPS091 30 August 2013 [09:00 - 11:15]</p>	<p>Room S428</p>	<p>Statistics in finance and the service sector Organiser : <i>Grize, Yves-Laurent</i> Chair : <i>Grize, Yves-Laurent</i> Paper 1: Cross-country interaction of business cycles in statistical modeling of economic growth <i>Elena V. Zarova</i> Paper 2: Statistical quality techniques for the service sector <i>Fugee Tsung, Jian Li</i> Paper 3: Generalized Brownian - Laplace processes and financial modeling <i>Jose K.K. Kanichukattu</i> Discussant(s) : <i>Karr, Alan</i></p>
<p>IPS092 30 August 2013 [09:00 - 11:15]</p>	<p>Theatre 1</p>	<p>Some perspectives on comparative statistical inference Organiser : <i>Samaniego, Francisco J.</i> Chair : <i>Fraser, D.A.S.</i> Paper 1: Principles of statistical inference <i>Nancy Reid, David Cox</i> Paper 2: Confidence, likelihood, probability <i>Nils Lid Hjort, Tore Schweder</i> Paper 3: Bayesian vs. "classical" estimation in practice <i>Francisco J. Samaniego</i> Discussant(s) : <i>Banks, David</i></p>

Session Code / Date [Time]	Venue	Session / Paper
STS017 30 August 2013 [09:00 - 11:15]	Room S223	<p>Alternative census methods, lessons learned from the 2010 round, projects for the 2020 round</p> <p>Organiser : <i>Durr, Jean-Michel</i></p> <p>Chair : <i>Silva, Denise Britz do Nascimento</i></p> <p>Paper 1: The beginning of a new era in the census method of Turkey, use of registers: Lessons learned and future prospects <i>Enver Tasti, Sebnem Bese Canpolat, Baris Ucar</i></p> <p>Paper 2: Innovations in census taking for the United States in 2020 <i>Burton H. Reist, Andrew Ciango</i></p> <p>Paper 3: New census modalities in Israel <i>Pnina Zadka, Yael Feinstein</i></p> <p>Paper 4: Rolling census: scoping study for Brazil <i>Andrea Diniz Da Silva</i></p> <p>Paper 5: The French rolling census: A decade of experience <i>Jean Michel Durr, Francois Clanche</i></p> <p>Discussant(s) : <i>Silva, Pedro Luis do Nascimento</i></p>
STS028 30 August 2013 [09:00 - 11:15]	Room S423	<p>Depth-based procedures for high-dimensional and functional data</p> <p>Organiser : <i>Hubert Mia, Mosler Karl</i></p> <p>Chair : <i>Mosler, Karl</i></p> <p>Paper 1: Multivariate functional halfspace depth <i>Mia Hubert</i></p> <p>Paper 2: Depth and the deepest point in infinite dimensional spaces <i>Probal Chaudhuri</i></p> <p>Paper 3: Functional depth based on distances: What for? <i>Alicia Nieto-Reyes</i></p> <p>Paper 4: Nonparametric combination of multiple inferences using data depth, bootstrap and confidence distribution <i>Regina Liu, Dungan Liu, Min-ge Xie</i></p> <p>Paper 5: From depth to local depth: A focus on centrality <i>Davy Paindaveine, Germain Van Bever</i></p> <p>Discussant(s) : <i>Hlubinka, Daniel</i></p>
STS042 30 August 2013 [09:00 - 11:15]	Room S225	<p>Subjective indicators and their role in measuring countries' progress and wellbeing: Definition, construction and analysis</p> <p>Organiser : <i>Maggino, Filomena</i></p> <p>Chair : <i>Maggino, Filomena</i></p> <p>Paper 1: The role of subjective indicators in measuring the</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>equitable and sustainable well-being in Italy <i>Adolfo Morrone</i></p> <p>Paper 2: The OECD guidelines on subjective well-being: Towards a common measurement framework, and the statistical agenda ahead <i>Conal Smith</i></p> <p>Paper 3: Measuring subjective well-being in the European Statistical System (ESS) <i>Marleen De Smedt</i></p> <p>Discussant(s) : <i>Noll, Heinz-Herbert</i></p>
<p>STS045 30 August 2013 [09:00 - 11:15]</p>	<p>Room S425</p>	<p>International statistics - Supplying international statistics for decision making</p> <p>Organiser : <i>Nyman-Andersen, Per</i></p> <p>Chair : <i>Bier, Werner</i></p> <p>Paper 1: Composite measure of industrial performance for cross-country analysis <i>Shyam Upadhyaya</i></p> <p>Paper 2: Why are the G-20 data gaps initiative and the SDDS plus relevant for financial stability analysis? <i>Robert Heath</i></p> <p>Paper 3: Should international organisations use also non-official sources when providing official international economic statistics? <i>Per Nyman-Andersen, Werner Bier</i></p> <p>Paper 4: Reviving statistical yearbooks to meet changing needs of users <i>Artur Andrysiak</i></p> <p>Paper 5: The challenge of supplying comparable international statistics to professional users <i>Maurine Haver</i></p> <p>Discussant(s) : <i>Palmer, Jonathan J.</i></p>
<p>STS046 30 August 2013 [09:00 - 11:15]</p>	<p>Room S427</p>	<p>Limit theorems for high frequency data</p> <p>Organiser : <i>Podolskij, Mark</i></p> <p>Chair : <i>Podolskij, Mark</i></p> <p>Paper 1: Between data cleaning and inference: Pre-averaging and other robust estimators of the efficient price <i>Per A. Mykland, Lan Zhang</i></p> <p>Paper 2: Estimating the efficient price from the order flow: A Brownian Cox process approach</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Mathieu Rosenbaum, Sylvain Delattre, Christian Y. Robert</i> Paper 3: Linear regression of drift in continuous semimartingale models <i>Masaaki Fukasawa</i> Paper 4: Kolmogorov-Smirnov type tests for local gaussianity in high-frequency data <i>George Tauchen, Viktor Todorov</i> Discussant(s) : -</p>
<p>CPS002 30 August 2013 [09:00 - 11:15]</p>	<p>Room S222</p>	<p>Official statistics: Social statistics Organiser : - Chair : <i>Tsang, Tat Shing</i> Paper 1: Health, poverty and vulnerability between generations in Senegal <i>Hilaire Guy Adetona Hounkpodote</i> Paper 2: Conditions for a universal HIV screening test in Ivory Coast: A sample selected bias estimation and two "new unbalanced logit" estimations approach <i>Eric Dongmo Tejiogni</i> Paper 3: Another indicator in measuring the fertility situation of a place with very few births born outside wedlock <i>Billy Y.G. Li</i> Paper 4: The complementary estimate of the Great East Japan Earthquake for the Labour Force Survey <i>Shinichi Nagao</i> Paper 5: Estimation and quality of household income data from Cambodia socio-economic survey <i>Vanndy Nor</i> Paper 6: The use of the victimisation survey and administrative data to examine crime under-reporting in South Africa <i>Joseph Lukhwareni</i> Paper 7: A gender analysis of youth household expenditures in Uganda <i>Stella Nassolo, Betty Nandawula</i> Discussant(s) : -</p>
<p>CPS020 30 August 2013 [09:00 - 11:15]</p>	<p>Room S226</p>	<p>Statistical theory and methodology: Statistical inference (1) Organiser : - Chair : <i>Song, Xinyuan</i> Paper 1: Informative measures of significance for constructing intelligent feature weights</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Samuel Mueller, Tanya P. Garcia, Raymond J. Carroll</i> Paper 2: Construction of efficient fractional factorial designs for general factorials under a baseline parametrization <i>Rahul Mukerjee</i> Paper 3: Variable selection in Cox regression models with varying coefficients <i>Toshio Honda, Wolfgang Karl Hardle</i> Paper 4: On generalized degrees of freedom and their application in linear mixed model selection <i>Chong You, Samuel Müller, John Ormerod</i> Paper 5: Depth based methods for estimation a conditional distribution function in data streams <i>Daniel Kosiorowski</i> Paper 6: Model selection for semiparametric Bayesian models with application to overdispersion <i>Jinfang Wang, Yiping Tang</i> Paper 7: Maximum likelihood logistic regression with auxiliary information for probabilistically linked data <i>Gunky Kim, Ray Chambers</i> Paper 8: Contaminated variance-mean mixing model <i>Thomas Fung, Joanna J.J. Wang, Eugene Seneta</i> Discussant(s) : -</p>
<p>CPS023 30 August 2013 [09:00 - 11:15]</p>	<p>Room S424</p>	<p>Statistical theory and methodology: Others Organiser : - Chair : <i>Lee, Stephen M.S.</i> Paper 1: Joint modelling of spatial correlation of infant and child mortality in Afghanistan <i>Oyelola A. Adegboye, Danelle Kotze</i> Paper 2: Nonparametric approach for spatial-temporal model <i>Tingjin Chu</i> Paper 3: An algorithm for Bayesian variable selection in high-dimensional generalized linear models <i>Vitara Pungpapong</i> Paper 4: Bayesian hierarchical spatial-temporal models <i>Yixin Wang, Mike K.P. So</i> Paper 5: A strategy for multiple linkage disequilibrium mapping methods to validate additive QTL <i>Yi Li, Jong-Joo Kim, Kwan-Suk Kim</i> Paper 6: The standardized robust LM test of spatial lag model</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>and its asymptotical performance <i>Lihu Liu, Zhengming Qian</i></p> <p>Paper 7: A class of semiparametric estimator for long-range dependent multivariate processes <i>Silvia Regina Costa Lopes, Guilherme Pumi</i></p> <p>Discussant(s) : -</p>
<p>CPS028 30 August 2013 [09:00 - 11:15]</p>	<p>Room S426</p>	<p>Statistical measurement of urban development (Beijing)</p> <p>Organiser : -</p> <p>Chair : <i>Tao, Ran</i></p> <p>Paper 1: Studies on the sharing of government information resources <i>Wen Zhang, Xiaowei Hou, Chunxian Wu, Kongming Qiu, Xiaolu Wang, Bin Wang, Shijun Xu</i></p> <p>Paper 2: Comparative research on innovation capabilities among enterprises in Beijing, Tianjin and Shanghai <i>Zhao Jin, Zexing Chen, Xiaomei Song, Bin Wang, Peng Zhang</i></p> <p>Paper 3: Analysis on factors influencing Beijing's aim for per capita GDP to reach \$20,000 <i>Sining Huang, Li Xie</i></p> <p>Paper 4: Evaluation and monitoring system on urban modern agriculture in Beijing <i>Xiao Qiong Yang, Sujie Meng, Jinzeng Wang, Dongchun Ma, Yanyan Wang, Dongjuan Zhan</i></p> <p>Paper 5: Law of real estate development in international metropolises and its inspiration on Beijing <i>Changyuan Zhong, Qinfang Xia, Youliang Li, Yan Feng, Tao Shen</i></p> <p>Paper 6: Characteristics and regular pattern study of floating population in Beijing <i>Hui An, Yanzhou Gu, Jiangqian Pang, Ge Yang, Zengyong Li</i></p> <p>Paper 7: Statistical methods and empirical research on consumer services in Beijing <i>Yan Xu</i></p> <p>Paper 8: Research on statistical and investigating methods of utilizing new energy and renewable energy in Beijing <i>Ting Xue, Leqiang Wang, Rui Zhou, Qilong Zhang, Xiuyu Fang, Weichen Lai, Xin Li</i></p> <p>Discussant(s) : -</p>

Session Code / Date [Time]	Venue	Session / Paper
CPS108 30 August 2013 [09:00 - 11:15]	Hall 3G	<p>Poster spotlight (8)</p> <p>Organiser : -</p> <p>Chair : <i>Kwan, Andrew Kai Ming</i></p> <p>Paper 1: Spatial analysis of women equalities and women's empowerment in Egypt <i>Eman Ahmed Oriby</i></p> <p>Paper 2: On phase II nonparametric CUSUM exceedance control charts for unknown location <i>Marien Alet Graham, Subhabrata Chakraborti, Amitava Mukherjee</i></p> <p>Paper 3: Modeling the residual error variance in two-level random-coefficient multilevel models <i>George Leckie</i></p> <p>Paper 4: The determinants of birth interval in rural Ethiopia <i>Wondiber Nega Melese, Eshetu Woncheko</i></p> <p>Paper 5: Spline estimation of functional coefficient regression models for nonlinear time series with correlated errors <i>Chang Chiann, Michel H. Montoril, Pedro A. Morettin</i></p> <p>Paper 6: Bootstrap variable selection for tobit and logistic regressions to predict left ventricular contractility after acute myocardial infarction with a new panel of microRNAs <i>Olivier Collignon, Yvan Devaux, Melanie Vausort, Gerry P. Mccann, Dominic Kelly, Leong L. Ng, Daniel R. Wagner, Iain B. Squire</i></p> <p>Paper 7: Modelling clustered survival data with cured fraction <i>Angela Dela Paz Nalica, Iris Ivy M. Gauran, Erniel B. Barrios</i></p> <p>Paper 8: Special coxian phase-type distributions discovered for modelling patient length of stay in hospital <i>Adele H. Marshall</i></p> <p>Paper 9: Testing for unimodality in mortality trends <i>Maria Dolores Ugarte, Cristina Rueda, Ana F. Militino</i></p> <p>Paper 10: Estimating relative potency based on multivariate risk/benefit assessment <i>Daniel Cruz Bonzo</i></p> <p>Paper 11: Frequency analysis of heavy-tailed phenomena <i>Yuwei Zhao, Thomas Mikosch</i></p> <p>Paper 12: Propensity score matching for multiple treatments comparison in observational studies <i>Yuan Liu, Dana Nickleach, Joseph Lipscomb</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 13: An adaptive estimation method for dimension reduction with application to functional response data <i>Heng-Hui Lue</i></p> <p>Paper 14: Performance of robust estimators: Sampling, variables and dimensions <i>Elizabeth Reis, Maria Do Carmo Botelho</i></p> <p>Discussant(s) : -</p>
IPS105 30 August 2013 [13:00 - 15:15]	Room S228	<p>The diversity of biometry</p> <p>Organiser : <i>Demétrio, Clarice Garcia Borges</i></p> <p>Chair : <i>Demétrio, Clarice Garcia Borges</i></p> <p>Paper 1: Spatiotemporal modeling to measure the effects of mutations and selection pressures <i>Hirohisa Kishino, Teruaki Watabe, Reiichiro Nakamichi, Shuichi Kitada</i></p> <p>Paper 2: Nonlinear mixed models for disease incidence and severity: Modeling plant diseases in tropical crops <i>Raúl Edgardo Macchiavelli</i></p> <p>Paper 3: Statistical methodology for the 2012 U.S. Census of Agriculture <i>Linda J. Young, Andrea C. Lamas, Denise A. Abreu, Shu Wang, Daniel Adrian</i></p> <p>Discussant(s) : <i>Billard, Lynne</i></p>
IPS107 30 August 2013 [13:00 - 15:15]	Theatre 2	<p>The UN fundamental principles of official statistics - Applicability and implementation</p> <p>Organiser : <i>Snorrason, Hallgrimur</i></p> <p>Chair : <i>Snorrason, Hallgrimur</i></p> <p>Paper 1: Panel discussion <i>Paul Cheung</i></p> <p>Paper 2: Panel discussion <i>Olav Ljones</i></p> <p>Paper 3: Panel discussion <i>Carmelita Nuguid Ericta</i></p> <p>Paper 4: Panel discussion <i>Mario Palma Rojo</i></p> <p>Discussant(s) : -</p>
IPS108 30 August 2013 [13:00 - 15:15]	Room S421	<p>Sharing data, code and publications - Making research reproducible</p> <p>Organiser : <i>Cameron, Murray</i></p> <p>Chair : <i>Cameron, Murray</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 1: The reproducible research movement in statistics <i>Victoria Stodden</i></p> <p>Paper 2: Data partnerships for major research challenges <i>Ron Sandland</i></p> <p>Paper 3: Why data availability is such a hard problem <i>Alan F. Karr</i></p> <p>Paper 4: Open access, open data and scholarly publishing <i>Kathryn D. Sharples</i></p> <p>Paper 5: International support for data openness and transparency <i>Misha V. Belkindas, Eric V. Swanson</i></p> <p>Discussant(s) : -</p>
<p>IPS109 30 August 2013 [13:00 - 15:15]</p>	<p>Room S428</p>	<p>The Higgs Boson: Statistical issues in weighing the evidence</p> <p>Organiser : <i>Banks, David</i></p> <p>Chair : <i>Banks, David</i></p> <p>Paper 1: The lattice QCD problem of particle physics and its statistical architecture <i>Nozer D. Singpurwalla</i></p> <p>Paper 2: An MCMC based solution to the QCD problem of particle physics <i>Joshua Landon</i></p> <p>Paper 3: The assessment of evidence in the discovery of a Higgs Boson <i>David A. van Dyk</i></p> <p>Discussant(s) : <i>Mesbah, Mounir</i></p>
<p>IPS112 30 August 2013 [13:00 - 15:15]</p>	<p>Room S225</p>	<p>Statistical inference – An unresolved issue in statistics education</p> <p>Organiser : <i>Borovcnik, Manfred</i></p> <p>Chair : <i>Harraway, John Andrew</i></p> <p>Paper 1: Informal inferential reasoning: A computer-based training environment <i>Joachim Engel, Tim Erickson</i></p> <p>Paper 2: The role of statistical inference in teaching and achievement of students <i>Ramesh Kapadia</i></p> <p>Paper 3: Teaching statistical inference from multiple perspectives integrating diverging schools of inference <i>Ödön Vancsó</i></p> <p>Paper 4: A comparative educational study of statistical</p>

Session Code / Date [Time]	Venue	Session / Paper
		inference <i>Manfred Borovcnik</i> Discussant(s) : <i>Pfannkuch, Maxine</i>
IPS113 30 August 2013 [13:00 - 15:15]	Theatre 1	Insurance and financial risks: Actuarial science approaches Organiser : <i>Ng, Kai Wang</i> Chair : <i>Yuen, Kam Chuen</i> Paper 1: Risk measures with applications to actuarial premiums and insurance solvency <i>Marc J. Goovaerts, Daniël Linders</i> Paper 2: Sequential testing revisited: Linking statistics and ruin theory <i>Hansjoerg Albrecher, Peiman Asadi, Jevgenijs Ivanovs</i> Paper 3: Measuring herd behavior in stock markets <i>Jan Dhaene, Daniël Linders, Wim Schoutens</i> Paper 4: A mixture model approach to operational risk management <i>Sheldon X. Lin, Lan Gong, Andrei Badescu</i> Discussant(s) : <i>Gerber Hans U., Yang Hailiang</i>
STS013 30 August 2013 [13:00 - 15:15]	Room S222	Measuring poverty in the context of energy and money restrictions Organiser : <i>Maier, Helmut</i> Chair : <i>Zhao, Yanyun</i> Paper 1: Conclusions from long term experience in measuring poverty with price indices <i>Michel Mouyelo-Katoula</i> Paper 2: Measuring the real value of production and its impact on distribution of global wealth and poverty, reflections in the economic order of the real world <i>Helmut Maier</i> Paper 3: Poverty and poverty measurement in Russia: Energy poverty in the energy-rich country <i>Irina Eliseeva</i> Paper 4: Poverty and poverty measurement in Africa <i>Felicien Donat Edgar Townen Accrombessy</i> Discussant(s) : <i>Rai, Markandey</i>
STS021 30 August 2013 [13:00 - 15:15]	Room S423	The roles of administrative data in official statistics Organiser : <i>Slyuzberg, Michael</i> Chair : <i>Jansen, Ronald</i> Paper 1: Using administrative data in population and social

Session Code / Date [Time]	Venue	Session / Paper
		<p>statistics <i>Jari Tarkoma</i></p> <p>Paper 2: The roles of tax administration data in official statistics production in South Africa <i>Elizabeth Gavin, Deon Breytenbach, Randall Carolissen, Mamiky Leolo</i></p> <p>Paper 3: Producing regional profiles based on administrative and statistical data in New Zealand <i>Michael Slyuzberg, Gail Kelly</i></p> <p>Paper 4: The use of administrative data at Statistics Canada <i>Wesley Yung, Pierre Lavallée, Julie Trépanier</i></p> <p>Paper 5: "Wage and salary employment position statistics" based on administrative data <i>Kido Seong, Homan Song</i></p> <p>Discussant(s) : <i>Schulte Nordholt, Eric</i></p>
<p>STS023 30 August 2013 [13:00 - 15:15]</p>	<p>Room S424</p>	<p>Statistics and policy</p> <p>Organiser : <i>Saltelli, Andrea</i></p> <p>Chair : <i>De Smedt, Marleen</i></p> <p>Paper 1: Handling quantitative information across scales and dimensions <i>Mario Giampietro</i></p> <p>Paper 2: Statistical information and evidence based decision-making <i>Walter Josef Radermacher</i></p> <p>Paper 3: Democracy, scientific inquiry and indicators: A pragmatic perspective <i>Paul-Marie Boulanger</i></p> <p>Paper 4: Advocacy, analysis and quality. The Bermuda triangle of statistics <i>Andrea Saltelli, Michaela Saisana</i></p> <p>Discussant(s) : <i>Wolfson, Michael</i></p>
<p>STS044 30 August 2013 [13:00 - 15:15]</p>	<p>Room S226</p>	<p>Measurement error models</p> <p>Organiser : <i>Kukush, Alexander G.</i></p> <p>Chair : <i>Kukush, Alexander G.</i></p> <p>Paper 1: Nonparametric density estimation in case of measurement errors: A survey <i>Irène Gijbels</i></p> <p>Paper 2: Censored quantile regression with covariate measurement errors</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Guosheng Yin, Yuanshan Wu, Yanyuan Ma</i> Paper 3: Coefficient of determination for multiple measurement error models</p> <p><i>Shalabh Shalabh, G. Garg, C.L. Cheng</i> Paper 4: Bickel-Rosenblatt type goodness-of-fit test in linear errors-in-variables model</p> <p><i>Weixing Song, Hira L. Koul</i> Paper 5: On rank methods in errors-in-variables models</p> <p><i>Silvelyn Zwanzig</i> Paper 6: Total least-squares adjustment with prior information vs. the penalized least-squares approach to EIV-models</p> <p><i>Burkhard Schaffrin, Kyle Snow</i> Discussant(s) : -</p>
<p>STS048 30 August 2013 [13:00 - 15:15]</p>	<p>Room S425</p>	<p>Statistical network - Showcasing a new approach for international collaboration in industrialising the production of official statistics</p> <hr/> <p>Organiser : <i>Yu, Frank Pun Ki</i> Chair : <i>Tam, Siu-Ming</i></p> <p>Paper 1: Generic statistical information model: An innovative collaboration which facilitates international collaboration <i>Jenine Borowik, Aurito Rivera, Carrie Ashley, Steven Vale</i></p> <p>Paper 2: Utilizing international collaboration to assist Statistics New Zealand in delivering on its modernisation program <i>Gary Dunnet, Michelle Feyen</i></p> <p>Paper 3: Towards a common business architecture for the statistical network <i>Erica McCoull, Eden Brinkley, Robert McLellan</i></p> <p>Paper 4: Business architecture principles to foster industrialisation and standardisation at the Italian National Institute of Statistics <i>Nadia Mignolli, Giulio Barcaroli, Piero Demetrio Falorsi, Alessandra Fasano</i></p> <p>Paper 5: Standardisation of statistics production - Approach, results and making use of international cooperation <i>Mats Bergdahl</i></p> <p>Discussant(s) : <i>Braaksma, Barteld</i></p>
<p>STS072 30 August 2013 [13:00 - 15:15]</p>	<p>Room S223</p>	<p>Graph theoretic methods for spatial data analysis</p> <hr/> <p>Organiser : <i>Ceyhan, Elvan</i> Chair : <i>Çağlar, Mine</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 1: Graph analysis for space-time scan statistics <i>Marcelo A. Costa</i></p> <p>Paper 2: The use of spatial graphs for optimal obstacle placement: A study on impact of the clutter spatial distribution <i>Vural Aksakalli, Elvan Ceyhan</i></p> <p>Paper 3: Vulnerability analysis of weighted graphs: A measure of vulnerability of spatial network by using betweenness centrality <i>Zhe Zhang, Virrantaus Kirsi, Hannes Seppänen Aalto University</i></p> <p>Paper 4: Testing spatial clustering using relative density of two random geometric digraph families <i>Elvan Ceyhan</i></p> <p>Discussant(s) : <i>Cameletti, Michela</i></p>
<p>STS074 30 August 2013 [13:00 - 15:15]</p>	<p>Room S427</p>	<p>The services sector of the economy: Is it possible to measure?</p> <p>Organiser : <i>Ahsbahs, Catherine</i></p> <p>Chair : <i>Bruun, Marjo</i></p> <p>Paper 1: Conceptual and practical problems measuring service productivity <i>Roland Gnoss</i></p> <p>Paper 2: The challenges of measuring the UK service sector <i>Louisa Nolan, Darren Morgan, Paul Smith, Mark Stephens</i></p> <p>Paper 3: Measuring producer price indices and productivity growth in services <i>Anne-Sophie Fraisse, Anita Wölfl</i></p> <p>Paper 4: Price and volume measures for non-market output: State of play in Europe for health and education <i>Mariagnese Branchi</i></p> <p>Discussant(s) : <i>Hennings, Katherine</i></p>
<p>STS095 30 August 2013 [13:00 - 15:15]</p>	<p>Room S426</p>	<p>CCSA panel discussion - International statistics - Supplying international statistics for decision making</p> <p>Organiser : <i>Nymand-Andersen, Per</i></p> <p>Chair : <i>Bier, Werner</i></p> <p>Paper 1: Assuring high quality international statistics: A perspective from the BIS <i>Paul Van den Bergh</i></p> <p>Paper 2: International trade in services in statistical frameworks <i>Andreas Maurer</i></p> <p>Paper 3: Politics and statistics: A happy marriage? <i>Peter Van de Ven</i></p>

Session Code / Date [Time]	Venue	Session / Paper
		<p>Paper 4: New collaborations to assess the reliability and relevance of food data collected in National Household Surveys <i>Grant Cameron</i></p> <p>Paper 5: Supplying evidence based international statistics for decision making <i>Per Nymand-Andersen</i></p> <p>Discussant(s) : -</p>
<p>CPS017 30 August 2013 [13:00 - 15:15]</p>	<p>Room S224</p>	<p>Survey estimation</p> <p>Organiser : -</p> <p>Chair : <i>Li, Ken W.</i></p> <p>Paper 1: A highly accurate simple small area confidence interval method <i>Masayo Yoshimori, Partha Lahiri</i></p> <p>Paper 2: Missing values imputation in a load curves sample: An approach combining time series and survey sampling techniques <i>Anne de Moliner</i></p> <p>Paper 3: Calibration versus other reweighting methods in surveys <i>Seppo Laaksonen</i></p> <p>Paper 4: A comparison of methods to estimate poverty indexes in small samples <i>Giuseppe de Abreu Antonaci, Pedro L.N. Sliva, Fernando Moura</i></p> <p>Paper 5: Statistical characteristics of environmental consciousness and pro-environmental behavior in East Asia <i>Mie Fujiki, Yuejun Zheng</i></p> <p>Paper 6: On recent developments of cross-sectional weighting schemes for children in the Swiss Household Panel <i>Martina Rothenbühler, Eric Graf, Alina Matei</i></p> <p>Paper 7: Environmental attitudes and behaviour towards Daya Bay Nuclear Power Plant nearby Hong Kong <i>Iris M.H. Yeung, William Chung</i></p> <p>Discussant(s) : -</p>
<p>CPS109 30 August 2013 [13:00 - 15:15]</p>	<p>Hall 3G</p>	<p>Poster spotlight (9)</p> <p>Organiser : -</p> <p>Chair : <i>Chan, Daniel Kin-Leung</i></p> <p>Paper 1: Estimates for the spatial locations of the indoor objects by radial distributions <i>Toshinari Kamakura, Kosuke Okusa</i></p> <p>Paper 2: Automatic interaction detection for longitudinal data</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Jacky Galpin</i> Paper 3: Visualization for areal data of suicide in Japan <i>Takafumi Kubota, Makoto Tomita, Fumio Ishioka, Hiroe Tsubaki</i> Paper 4: Data visualisation and its application in official statistics <i>Olivia Or</i> Paper 5: Efficiency of parametric bootstrap Kriging variance estimators <i>Elmanani Simamora, Subanar, Sri Haryatmi Kartiko</i> Paper 6: Modeling vague status by fuzzy logistic regression: Application in evaluating the effect of folic acid on child's appetite status <i>Mahshid Namdari, S. Mahmoud Taheri, Alireza Abadi, Mansour Rezaei, Naser Kalantari</i> Paper 7: Enhancing feature selection with feature maximization metric <i>Jean-Charles Lamirel</i> Paper 8: Functional genome wide association studies using sparse group Lasso <i>Qing Pan, Tatiyana Apanasovich</i> Paper 9: Extensions for DD-plot <i>Jang Dae-Heung</i> Paper 10: An extension of parallel coordinate plot for visualizing aggregated symbolic data <i>Yoshikazu Yamamoto, Junji Nakano</i> Paper 11: Cloud based self service analytics <i>Andrew Naish</i> Paper 12: Sample size formulas for non-inferiority clinical trials with time-to-event data <i>Han Dong, Chen Zheng</i> Paper 13: Age-specific disease network for the major disease in Korea <i>Lee Tae Rim, Hongseok Kim</i> Discussant(s) : -</p>
CPS205 30 August 2013 [08:30 - 15:30]	Hall 3G	Poster display Day 5 Organiser : - Chair : - Paper 1: Are there working children and child labour in Uganda when it's a signatory to the UN convention and having universal

Session Code / Date [Time]	Venue	Session / Paper
		<p>primary education? <i>Dorothy Mubuuke, Yovani A.M. Lubaale</i></p> <p>Paper 2: Distributional impact of agricultural technology adoption on rice farmers' expenditure: Case of Nerica in Benin <i>Didier Alia, Aliou Diagne</i></p> <p>Paper 3: Multivariate analysis of life-long learning in European countries <i>Ksenija Dumcic</i></p> <p>Paper 4: The analysis of the international competitiveness of China's new energy industry <i>Dezhi Liu, Rufei Zhang</i></p> <p>Paper 5: An analysis on the creativity of university students view of environmental factors <i>Lijun Liu, Rufei Zhang</i></p> <p>Paper 6: Application of system dynamics model in control of over-increasing medical care expenditure <i>Yanbing Zeng, Ya Fang</i></p> <p>Paper 7: Towards a usable set of leading indicators for Hong Kong <i>Wai Yip William Chow</i></p> <p>Paper 8: The power of tail independence tests in extreme value models. An application for stock exchange markets <i>Justyna Majewska, Grazyna Trzpiot</i></p> <p>Paper 9: Calibration of expansion factors in a multilevel sampling survey <i>Maria Angelica Ferrandi, Nora Daruich, Sabrina Balbi, Juliana Merello</i></p> <p>Paper 10: Analysis of recurrent infections in Danish children diagnosed with cancer <i>Luise Cederkvist Kristiansen, Jeanette F. Winther, Kirsten Frederiksen, Jørgen H. Olsen, Klaus K. Andersen</i></p> <p>Paper 11: Measuring and monitoring balance of response set <i>Imbi Traat, Nora Roosileht</i></p> <p>Paper 12: Inferential tests and modelling of functional trait convergence along environmental gradients <i>Chaitanya Joshi, Paul T. Brown, Daniel C. Laughlin</i></p> <p>Paper 13: Intestinal parasite infection amongst preschool-age children in the Democratic Republic of Congo: A multilevel analysis</p>

Session Code / Date [Time]	Venue	Session / Paper
		<p><i>Ngianga Ii Kandala, Ho Ming Yuen</i> Paper 14: Happiness, ideal happiness, and reference point <i>Yoshiaki Takahashi</i></p> <p>Paper 15: Calculation and estimation of the variance effective population size when age class sizes fluctuate <i>Fredrik Olsson, Ola Hössjer</i></p> <p>Paper 16: Multilevel logistic modelling: Issues when working with large datasets <i>Scott Harris, Edith Man Ying Cheng</i></p> <p>Paper 17: Semiparametric regression analysis of free air CO₂ enrichment <i>Dongwen Luo, P.C.D. Newton, K.R. Tate</i></p> <p>Paper 18: Some statistical quantities of random walk simulation on the prime numbers with the twin, cousin and sexy prime numbers <i>Ryuichi Sawae, Yoshiyuki Mori, Daisuke Ishii</i></p> <p>Paper 19: L-moments based on two-step regression quantiles <i>Jan Picek</i></p> <p>Paper 20: Recommendations for master's degree programs in statistics and biostatistics <i>A. John Bailer, Roger Hoerl, David Madigan, Jill Montaquila, Tommy Wright</i></p> <p>Paper 21: The undeclared value added due to the value added tax evasion of sole proprietors <i>Ildiko Ritzlne Kazimir</i></p> <p>Paper 22: Modeling currency crises in Nigeria: An Application of logit model <i>Samson Babatunde Omotosho</i></p> <p>Paper 23: International merchandise trade statistics - Is there a need for paradigmatic shift? <i>Akos Gerencser</i></p> <p>Paper 24: Youth of South Africa: Comparing those in education, training and employment with those who are socially excluded <i>Reratile Mathibe, Michael Medupi, Ros Hirschowitz</i></p> <p>Paper 25: Quality assurance in the Portuguese Census 2011: The alert indicators system <i>Alvaro Augusto Rosa, Elizabeth Reis, Paula Vicente</i></p> <p>Paper 26: The interest of society - The responsibility of statisticians</p>

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		<p><i>Tamas Varsanyi</i> Paper 27: Hypothesis testing in multilevel models with block-invariant covariance matrices <i>Yuli Liang, Tatjana Von Rosen, Dietrich Von Rosen</i> Paper 28: Local influence in two-treatment balanced cross-over designs <i>Chengcheng Hao, Dietrich Von Rosen, Tatjana Von Rosen</i> Paper 29: Access to official statistical micro data at the Statistical Office of the Republic of Slovenia and cooperation with the Slovenian Social Science Data Archives <i>Irena Imperl Krizman</i> Paper 30: What causes hunger in the Philippines? <i>Eleanore Villarias Ramos</i> Paper 31: Analysis of measurement error models using parametric fractional imputation Emily J. Berg, Jae-Kwang Kim Paper 32: The marginal and joint influence in nonlinear regression Karin Stål Paper 33: Modeling covariate-contingent correlation and tail-dependence with copulas Feng Li Paper 34: Bayesian versus frequentist estimators for a non-linear mixed effects model : Application to a population pharmacokinetic model Wilfried Noudehouenou Bonou, Philippe Lambert, Astrid Jullion, Marion Bouillon-Pichault, Bruno Boulanger Paper 35: On the estimation of parameters of variograms of spatial stationary isotropic random processes Sourav Das, Tata Subba Rao, Georgi N. Boshnakov Paper 36: Estimating the parameters of multiple chirp signals Ananya Lahiri, Debasis Kundu, Amit Mitra Paper 37: Air passenger forecasting by using a hybrid seasonal decomposition and least squares support vector regression approach Gang Xie, Shouyang Wang, Kin Keung Lai Paper 38: Beyond balanced incomplete block designs: Addressing challenges, connections, applications and R T.A. Oliveira, A. Oliveira, H. Correia</p>

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		<p>Paper 39: The influence of ratios and combined ratios on the distribution of the product of two independent Gaussian random variables <i>Amilcar Oliveira, Teresa A. Oliveira, José A. Seijas-Macias</i></p> <p>Paper 40: Regional initiative to improve population and social statistics in Asia and the Pacific <i>Gemma Van Halderen, Sairi Hasbullah</i></p> <p>Paper 41: Statistical modelling of the survival of HIV/AIDS patients and identification of early mortality changepoints after initiation of art: A case study at Hawassa University Referral Hospital <i>Denekew Bitew</i></p> <p>Discussant(s) : -</p>