ICC-2011 Programme

Incorporating the

Symposium on Bourdieu and Geometric Analysis of Data

Version: 1 July 2011

Pre-Conference Workshop, Monday 11th July 2011
10.00 – 18.00 Bourdieu and Geometric Analysis
(Organisers: Brigitte Le Roux, Michael Grenfell and Frédéric Lebaron)

Session 1, Tuesday 12 July 2011
09:00-09:15 David Wishart (President, British Classification Society) Welcome
09:15-10:10 Adrian Raftery (University of Washington), "Model-Based Classification and Clustering in High Dimensions"

10:10-10:30   Coffee/tea

Session 2a, Tuesday 12 July 2011
10:30-12:30 Session: Mixture Analysis, Model-Based Methods

Anderlucci Laura (University of Bologna) and Christian Hennig (University College London), "How well does mixture clustering do according to distance-based criteria?"

Cláudia Silvestre, Margarida Cardoso and Mário Figueiredo (IPL, ISCTE-IUL, IST, Portugal), "Simultaneously selecting categorical features and the number of clusters in model-based clustering"

Jan Schepers (Maastricht University), "Mixture semiparametric regression"

Markus Eichhoff and Claus Weihs (TU Dortmund), "Detection of musical instruments in intervals and chords"

Session 2b, Tuesday 12 July 2011
10:30-12:30 Session: Learning with a Human-in-the-Loop (Organiser: Brian Mac Namee)

Sarah Jane Delany, Alexey Tarasov, Charlie Cullen and John Snel (Dublin Institute of Technology), "Using crowdsourcing in the rating of emotional speech assets"

Simon Fischer (Rapid Miner, Dortmund), "Lost in transformation: Data Mining beyond CRISP"

Nicolas Cebron, Fabian Richter and Rainer Lienhart (University of Augsburg), "Towards learning with complementary labels"

Brian Mac Namee (Dublin Institute of Technology), "Show me a picture: Visualising interactive machine learning algorithms"

Session 2c, Tuesday 12 July 2011
10:30-12:30 Symposium 1: Bourdieu and Geometric Analysis of Data: Introduction & Cultural Distinctions (Organisers: Brigitte Le Roux, Michael Grenfell and Frédéric Lebaron)

Michael Grenfell (Trinity College, University of Dublin), "Introduction: Bourdieu and the geometric analysis of data"

Henk Roose (Ghent University), Laurie Hanquiet (University of York) and Mike Savage (University of York), "Beauty and the eye of the beholder: aesthetic dispositions and museum audiences in Flanders (Belgium)"

Johs Hjellbrekke and Olav Korsnes (University of Bergen, Norway), "Cultural distinctions: a geometric data analysis"

12:30-14:00   Lunch

Session 3a, Tuesday 12 July 2011
14:00-15:00, Coffee/tea, 15:30-17:30 Session: Aspects of Computational Perception in Vision and Text (Organiser: Fred Stentiford)

Virginia Fernandez Arguedas and Ebroul Izquierdo (Queen Mary, University of London), "Behaviour-based surveillance video analysis"

Fred Stentiford and Ade Bamidele (University College London and Nokia UK), Text detection in natural scenes using cliques of interest points for mobile visual search"

Dalia Chakrabarty (Warwick University), "Supervised learning of shapes of galaxy clusters"

Fred Stentiford (University College London), "A method of pattern recognition applied to the Poggendorff illusion"

Robert Shilston and Fred Stentiford (University College London), "Auto-focus algorithm selection: A methodology for comparing blur perception between observers"

Daniel Baier and Ines Daniel (TU Cottbus), "Using image clustering algorithms for marketing purposes"

Session 3b, Tuesday 12 July 2011
14:00-15:00, Coffee/tea, 15:30-17:30 Symposium 2: Bourdieu and Geometric Analysis of Data: Cultural Distinctions (Organisers: Brigitte Le Roux, Michael Grenfell and Frédéric Lebaron)

Daniel Laurison (University of California, Berkley), "Positioning political producers: the field of American campaign professionals"

Ylva Bergstrom and Tobias Dalberg (Uppsala University), "Political space of young Swedish upper secondary pupils

Frédéric Lebaron (CURAPP/CNRS, Université de Picardie), "Is there a universal model of central bankers?"

Bourdieu Symposium Round Table

19:30-22:00   Conference Reception

Session 4, Wednesday 13 July 2011

09:00-10:00   Keith van Rijsbergen (University of Glasgow), "Revisiting clustering and classification in information retrieval"

10:00-10:30   Coffee/tea

Session 5a, Wednesday 13 July 2011
10:30-12:30 Session: K-Means and Optimization

David Wishart (University of St Andrews), "Optimization in k-means analysis: some new developments"

Amit Thombre, "New initialization algorithm for k-means clustering"

Renato Cordeiro de Amorim and Boris Mirkin (Birkbeck University of London), "Minkowski metric k-means for feature weighting"

Daniel Aloise and Arthur Araújo (Universidade Federal do Rio Grande do Norte), "A k-means inspired heuristic for microdata protection"

Session 5b, Wednesday 13 July 2011
10:30-12:30 Session: Supervised Learning and Diagnostic Modelling in Clinical Research

Berthold Lausen (University of Essex), "Meta-analysis methods for gene expression profiles"

Sivarit Sultornsanee, Ibrahim Zeid, and Sagar Kamarthi (Northeastern University, Boston), "A recurrence quantification analysis based approach to lung sounds classification"

Casper Albers (University of Groningen) and John Gower (Open University), "Between group metrics, and their use in canonical variate analysis"

Maria Paula Brito (Universidade do Porto) and A. Pedro Duarte Silva (Universidade Católica Portuguesa at Porto), "Parametric discriminant analysis of interval data"

Session 5c, Wednesday 13 July 2011
10:30-12:30 Symposium 3: Bourdieu and Geometric Analysis of Data: Power and Economy
(Organisers: Brigitte Le Roux, Michael Grenfell and Frédéric Lebaron)

Carla DiGiorgio (University of Prince Edward Island, Canada), "Applying Bourdieusian social theory to the interaction between identity, power and inclusive practice in a minority language school"

Jacquie Widin (University of Technology, Sydney), "Mapping an illegitimate field: power relations in international education"

Monica Becue-Bertaut (Universitat Politecnica de Catalunya), Belchin Kostov (CAP Les Corts – Hospitasl Clinic) and Anne Morin (Irisa-Universite de Rennes), "Structure and vocabulary flow in chronological corpora: contribution of correspondence analysis"

Bourdieu Symposium Round Table

12:30-14:00   Lunch

14:00-18:00   Social Programme - coach tour to Glamis Castle

18:00-19:00   Dinner at New Hall (Residents)

19:30-21:00   David Wishart (University of St Andrews), "We'll tak' a cup o' kindness yet - the story of Scotch whisky", Illustrated talk and tasting with 20 fine single malt whiskies

Session 6a, Thursday 14 July 2011
09:00-10:00, Coffee/tea, 10:30-12:30 Session: Machine Learning with Confidence, Conformal Prediction: Session in Honour of Chris Wallace and Ray Solomonoff

Grace Solomonoff (Oxbridge Research), "Ray Solomonoff and the new kind of probability"

Valentina Fedorova, Ilia Nouretdinov and Alex Gammerman (Computer Learning Research Centre, Royal Holloway, University of London), "Conformal predictors and testing exchangeability assumption"

Ilia Nouretdinov, Matilde Santos and Alex Gammerman (Royal Holloway, University of London), "Non-conformity measures in multi-class prediction"

S. González, J. Vega, A. Pereira and I. Pastor (Asociatión EURATOM/CIEMAT para Fusion, Madrid), "Advanced analysis and classification of images using conformal predictors"

Olga Ivina, Ilia Nouretdinov (University of Gerona) and Alex Gammerman (Royal Holloway, University of London), "Valid predictions with confidence estimation in air pollution problem"

Session 6b, Thursday 14 July 2011
09:00-10:00, Coffee/tea, 10:30-12:30 Session: Correspondence Analysis and Applications (Organiser: François Husson)

M. Ono, Manabu Kano and Toshio Sugiman (University College London), "Understanding the immune system by Correspondence Analysis"

Belchin Kostov, Mónica Bécue-Bertaut, Jérôme Pagès, Marine Cadoret, Jordi Torrens and Pilar Urpi (Les Corts, Hospital Clinic; Universidat Politècnica de Catalunya; Agrocampus-Ouest, Rennes; Freixenet S.A.), "Verbalisation tasks in Hall test sessions"

Zhiyuan Luo (Royal Holloway, University of London), "Methods for reliable classification of network traffic"

Julie Josse, Marie Chavent, Benoît Liquet and François Husson (Agrocampus-Ouest, Rennes), "Handling missing values with regularized iterative multiple Correspondence Analysis"

Marie Chavent, Vanessa Kuentz, Benoît Liquet and Jérôme Saracco (Université de Bordeaux), "Clustering of a variable via the PCAMIX method"

Solène Bienaise and Mireille Gettler Summa (Université de Paris-Dauphine), "Validation of trajectories on factorial planes after a tandem clustering approach"

Session 6c, Thursday 14 July 2011
09:00-10:00, Coffee/tea, 10:30-12:30 Symposium 4: Bourdieu and Geometric Analysis of Data: Education and Language (Organisers: Brigitte Le Roux, Michael Grenfell and Frédéric Lebaron)

Andrea Tribess (CURAPP, France) "In which social context will working class students obtain a university diploma"

Jo Watson (University of Southampton), "Widening participation in higher education: capital that counts"

Jan Thorhauge Frederiksen (Roskilde University, Denmark), "Trawling for students: how do educational institutions regulate for students"

Bourdieu Symposium Round Table

12:30-13:30   Lunch

Session 7a, Thursday 14 July 2011
14:00-15:00, Coffee/tea, 15:30-16:30 Session: Spatial Clustering, Geoscience and Environmental Science

Vladimir Batagelj, Anuska Ferligoj and Patrick Doreian (University of Ljubljana), "The nine nations of North America"

Adam Butler (Biomathematics and Statistics Scotland) and Ellie Owen (Royal Society for the Protection of Birds), "The use of GPS tracking data to infer foraging behaviour in seabirds"

Ayale Daher (Université de Bretagne Sud), "Clustering constrained spatially"

Simona Korenjak Černe, Vladimir.Batagelj and Natasa Kejzar (University of Ljubljana), "Clustering data described with discrete distributions: an application on population pyramids"

Session 7b, Thursday 14 July 2011
14:00-15:00, Coffee/tea, 15:30-17:00 Session: The Philosophy of Clustering (Organiser: Christian Hennig)

Stephen Reid (University of Stellenbosch), "Leading indicators of currency crises in emerging economies"

Joachim M Buhmann (ETH Zurich), "Selecting clustering models by maximizing approximation capacity"

Nicholas T. Longford (SNTL and UPF, Barcelona), "Clusters defined by distinct correlation structures"

Christian Hennig (University College London), "How to find the best cluster analysis method (for social stratification based on mixed data)?"

Pascal Préa and Monique Rolbert (Laboratoire d'Informatique Fondamentale de Marseille), "Distinguishing and classifying from n-ary relations"

Session 7c, Thursday 14 July 2011
14:00-15:00, Coffee/tea, 15:30-17:00 Symposium 5: Bourdieu and Geometric Analysis of Data: Methodological Points and Applications (Organisers: Brigitte Le Roux, Michael Grenfell, Frédéric Lebaron)

Fionn Murtagh (Royal Holloway, University of London), Adam Ganz (Royal Holloway, University of London) and Joe Reddington (University of Aberdeen), "A metric and ultrametric platform for analysis of semantics and change"

Cheryl Hardy (Liverpool John Moores University), "Re-presenting the social world: Bourdieu and graphic illustrations of fields"

Vincent Berry (EXPERICE, University Paris XIII), Manuel Boutet (CESAER, INFRA, AgroSup Dijon) and Samuel Coavoux (Centre Max Weber, ENS Lyon), "Bourdieu in the playfield: rethinking video game studies"

17:15-18:15   AGM of the British Classification Society

19:00-21:00   Conference Banquet, St Salvator's College Hall

21:30-22:15   Violincello Concert, Gabriela and Patrick Bradley (Karlsruhe), Upper College Hall

22:30   Depart

Session 8a, Friday 15 July 2011
09:00-10:00, Coffee/tea, 10:30-12:00 Session: Evaluation and Visualization of Clustering and Classification, and Session: Education, Psychology, Economics, Politics

John C Gower (Open University), Niel J Le Roux (Stellenbosch University) and Sugnet Lubbe (University of Cape Town), "The canonical analysis of distance"

Maria José P. C. Amorim and Margarida G. M. S. Cardoso (ISEL; ISCTE-IUL Portugal), "Measuring the agreement between partitions: the use of thresholds values"

Ch'ng Chee Keong and Nor Idayu binti Mahat (Universiti Utara Malaysia), "Investigation on classification tree: handling and accommodating the outliers"

Tim Brennan and Markus Brietenbach (Northpointe Institute, Colorado), "A taxonomic analysis of female pathways to crime: From qualitative descriptions to replicated quantitative patterns"

Rebecca Nugent and Nema Dean (Carnegie Mellon University; Glasgow University), "Clustering students by their skill set profiles on the unit hypercube"

Session 8b Friday 15 July 2011
09:00-10:00, Coffee/tea, 10:30-12:00 Session: High Dimensional Bioinformatics and Hierarchical Data and Computation

Charles Bouveyron (Université Paris 1 Panthéon-Sorbonne), "Parsimonious and sparse Gaussian models for the clustering of high-dimensional data"

Nema Dean and Adrian E. Raftery (Glasgow University; University of Washington), "Variable selection for latent class analysis applied to HapMap SNP data"

Ka Yee Yeung (University of Washington; Carnegie Mellow University), "Application of Bayesian Model Averaging to the construction of regulatory networks"

Patrick Erik Bradley and Andreas Christian Braun (Karlsruhe Institute of Technology), "Baire distance and feature ranking in classification"

Fionn Murtagh and Pedro Contreras (Science Foundation Ireland and Royal Holloway University of London; Thinking Safe), "Linear time hierarchical clustering using the Baire metric, and alternative perspectives: p-adic clustering, generalized ultrametrics, hashing and more"

Session 8c, Friday 15 July 2011
09:00-10:00, Coffee/tea, 10:30-12:00 Symposium 6: Bourdieu and Geometric Analysis of Data: Methodological points and applications Cont'd (Organisers: Brigitte Le Roux, Michael Grenfell, Frédéric Lebaron)

Brigitte LeRoux (MAP5, Université Paris Descartes and CEVIPOF/CNRS, Sciences-Po), "Class specific analysis"

Frédéric Lebaron (CURAPP/CNRS, Université de Picardie), Philippe Bonnet (Laboratoire de Psychologie et Neuropsychologie Cognitive, FRE 3292, CNRS et Paris-Descartes) and Brigitte Le Roux (MAP5, Université Paris Descartes and CEVIPOF/CNRS, Sciences-Po), "Geometric data analysis of French cultural practices.

Final Bourdieu Symposium Plenary

12:00-12:30   Closing Session

12:30-13:30   Lunch

14:00-15:00   Farewell Party

Poster Session (11-15 July 2011)

Jules J.S. de Tibeiro and Duncan J. Murdoch (Université de Moncton, University of Western Ontario),
"Correspondence analysis with incomplete paired data using Bayesian imputation"

Jules J.S. de Tibeiro and Duncan J. Murdoch (Université de Moncton, University of Western Ontario),
"Correspondence analysis with incomplete paired data using Bayesian imputation"