
PROGRAMME OVERVIEW

Tuesday 9th July

- 08:30 Registration Opens¹
- 09:30 - 13:00 Morning Tutorials
- 13:00 - 14:30 Lunch²
- 14:30 - 18:00 Afternoon Tutorials
- 20:00 - 23:00 Opening Mixer³, sponsored by the Faculty of Economics and Business Sciences, UCLM

Wednesday 10th July

- 09:00 - 09:30 Opening Session
- 09:30 - 10:25 Invited Talk - Håvard Rue
- 10:30 - 11:50 Contributed talks
- 11:50 - 12:20 Tapas Break, sponsored by Revolution Analytics
- 12:20 - 13:40 Contributed Talks
- 13:40 - 15:30 Lunch
- 15:30 - 16:25 Invited Talk - Hadley Wickham
- 16:30 - 17:50 Contributed Talks
- 17:50 - 20:00 Tapas Cocktail and Poster Session, sponsored by Google

Thursday 11th July

- 09:00 - 09:55 Invited Talk - Duncan Murdoch
- 10:00 - 11:20 Contributed Talks
- 11:20 - 11:50 Tapas Break, sponsored by Oracle
- 11:50 - 13:10 Contributed Talks
- 13:10 - 15:00 Lunch
- 15:00 - 15:55 Invited Talk - José Manuel Benítez-Sánchez
- 16:00 - 16:25 useR! 2013 Awards
- 16:30 - 17:50 Contributed Talks
- 17:50 - 18:20 Tapas Break, sponsored by R-Studio
- 18:20 - 19:40 Contributed Talks
- 21:30 - 00:00 Conference Dinner⁴, sponsored by Revolution Analytics

Friday 12th July

- 09:00 - 09:55 Invited Talk - Steve Scott
- 10:00 - 11:20 Contributed Talks
- 11:20 - 11:50 Tapas Break, sponsored by TIBCO
- 11:50 - 13:10 Contributed Talks
- 13:10 - 13:30 Closing Remarks
- 13:30 - 15:00 Lunch/Paella, sponsored by the Dep. of Mathematics, UCLM

¹the registration desk will be located in the main hall of the Faculty of Economics

²lunch on Tuesday will only be provided for attendees registered for the tutorials

³admission will require to show your conference badge

⁴admission to the Conference Dinner will be via ticket only

CONFERENCE TIMETABLE

Wednesday 10th July

	09:00	Opening Session, Paraninfo	
	09:30	Invited Talk, Paraninfo, Chair: Gonzalo García-Donato Håvard Rue Bayesian computing with INLA and the R-INLA package	
Focus I	10:30	Bioinformatics, FEBS 1, Chair: Ramón Díaz-Uriarte Hugh Shanahan Integrating R with a Platform as a Service cloud computing platform for Bioinformatics applications. Inma Tur Simulation of molecular regulatory networks with graphical models Raivo Kolde GOsummaries: an R package for showing Gene Ontology enrichment results in the context of experimental data Laure Cougnaud Analysis of qPCR data in R	
		Computational Challenges in Molecular Biology I, FEBS 2, Chair: Tobias Verbeke Yury Aulchenko The GenABEL suite for genome-wide association analyses Thomas Poulsen Making enzymes with R Filippo Biscarini Use of molecular markers to estimate genomic relationships and marker effects: computation strategies in R Insa Winzenborg High Content Screening Analysis in R	
		Environmental statistics I, FEBS 9, Chair: Andy South Jean-Michel Perraud rClr package - low level access to .NET code from R María Victoria Jiménez Franco Reproducible Research in Ecology with R: distribution of threatened mammals in Equatorial Guinea. Jiří Kadlec Using R for Mapping the Spatial Extent of Meteorological and Hydrological Drought Events	
		Statistics/Biostatistics I, FEBS 10, Chair: Stephanie Kovalchik Yuri Possokhov Three-component decomposition of coal spectrum in R Konstantin Chizhov Method of comparison of actions of the liquidators of the accident on Chernobyl Nuclear Power Plant on the basis of fragmentation of their routes and encryption it in a form similar to the DNA Leonardo Collado Torres Differential expression analysis of RNA-seq data at base-pair resolution in multiple biological replicates Jan Graffelman Statistical inference for Hardy-Weinberg equilibrium with missing data	
		11:50	Tapas Break, sponsored by Revolution Analytics
	Focus II	12:20	Econometric Software, FEBS 1, Chair: Achim Zeileis R. Scott Hacker Hansel: A Deducer Plug-In for Econometrics Giovanni Millo Robust standard errors for panel data: a general framework Christoph Bergmeir Rsiopred: An R package for forecasting by exponential smoothing with model selection by a fuzzy multicriteria approach Genaro Sucarrat AutoSEARCH: Automated General-to-Specific Model Selection
			Computational Challenges in Molecular Biology II, FEBS 2, Chair: Hugh Shanahan Adi Tarca What did we learn from the IMPROVER Diagnostic Signature Challenge? Tal Galili Deciphering the tRNA operational code - using R Andreas Leha Big Data and Reproducibility – Building the Bridge Robert Ness Topology-based Hypothesis Generation on Causal Biological Networks using igraph
			Environmental statistics II, FEBS 9, Chair: Roger Bivand Alejandro Alija Driving R to the air quality industry. NanoEnvi Analyst: a tool for designing large-scale air quality plans for improvement in ambient air quality Daniele Amberti Sequential Design of Experiments for model selection: an application to the energy sector Damian Zasina Emission inventory supported by R: dependency between calorific value and carbon content for lignite
			Statistics/Biostatistics II, FEBS 10, Chair: Steve Scott Colin Rundel Leveraging GPU libraries for efficient computation of Gaussian process models in R Jason Bryer TriMatch: An R Package for Propensity Score Matching of Non-Binary Treatments Christophe Genolini KmL3D: K-means for Joint Trajectories Mikiyas Gebresamuel Stochastic Modeling of Claim Frequency in the Ethiopian Motor Insurance Corporation: A Case Study of Hawassa District

13:40	Lunch
15:30	Invited Talk, Paraninfo, Chair: David Smith Hadley Wickham BigR data
Focus III	16:30 Time Series Analysis, FEBS 1, Chair: Rob Hyndman Constantino Antonio Heart Rate Variability analysis in R with RHRV García Martínez David Bronaugh Massively Parallel Computation of Climate Extremes Indices using R Alice Cleynen Segmentor3IsBack: an R package for the fast and exact segmentation of Seq-data Rob Hyndman hts: R tools for hierarchical time series
	Database applications, FEBS 2, Chair: Xavier de Pedro Finn Sandø Introducing SimpleDataManager - A simple data management workflow for R Guillaume Le Ray SenseLabOnline: Combining agile data base administration with strong data analysis Jan Wijffels ffbase: statistical functions for large datasets
	Using R for Teaching I, FEBS 9, Chair: María José Haro Virgilio Gómez Rubio Teaching statistics interactively with Geogebra and R Alfredo Sánchez RKTeaching: a new R package for teaching Statistics Alberca Lara Lusa genertest: a package for the developing exams in R Achim Zeileis Flexible generation of e-learning exams in R: Moodle quizzes, OLAT assessments, and beyond Karim Chine Teaching R in the Cloud
	Statistics/Biostatistics III, FEBS 10, Chair: Anabel Forte Maria Helena cold: a package for Count Longitudinal Data Gonçalves Vik Gopal kPop: An R package for the interval estimation of the mean of the selected populations. Tatjana Kecojevic GLM - a case study: Antagonistic relationships between fungi and nematodes John Kloke R Packages for Rank-based Estimates
	17:50 Tapas Cocktail, sponsored by Google, and Poster Session, Hall of Fac. of Economics and Business Science

POSTER SESSION

Bioinformatics

1. Nora M. Villanueva: [seq2R: Detecting DNA compositional change points](#)
2. Wolfgang Raffelsberger: [gxTools: Multiple approaches integrated in automated transcriptome analysis](#)

Chemometrics/Computational physics

3. Yuri Possokhov: [Automation of spectroscopic data processing in routine tests of coals using R](#)

Econometrics

4. Eui-Kyung Lee: [Asymmetric Volatility Transmission in Airline Related Companies in Stock Markets](#)
5. Giovanni Millo: [Panel time series methods in R](#)

Environmetrics/Ecological Modeling

6. Mark Liniger: [Climate Analysis Tools - An operational environment for climate products](#)
7. Julia Marczevska: [Statistical analysis with R of an effect of the air entrainment and the cement type on fresh mortar properties](#)
8. Krzysztof Maciejewski: [Statistical analysis in R of environmental and traffic noise in Kielce](#)
9. Ilya Kudrin: [Using R for dosimetry extremum tasks](#)
10. Francisco Alonso-Sarría: [An R script to model monthly climatic variables with GLM to be used in hydrological modelling](#)
11. Yousef Erfanfard: [Application of the nearest neighbour indices in spatstat R package for Persian oak \(*Quercus brantii* var. *persica*\) ecological studies in Zagros woodlands, Iran](#)

Marketing/Business Analytics

12. Anna Bednarczyk: [Pharmaceutical market analysis with R](#)
13. Youngchul Shin: [Efficiency analysis of companies using DEA model with R](#)

Official statistics/Public policy

14. María del Mar Rueda: [Using R to estimate parameters from multiple frames](#)
15. Antonio Arcos: [Calibration in Complex Survey using R](#)
16. Carlos Pérez-González: [Small area data visualization using ggplot2 library](#)
17. Emilio L. Cano: [Standardisation on Statistics: ISO Standards and R Tools](#)
18. Céline Bugli: [Using R2wd package to automatize your reporting from R to Microsoft Word document - An application of automatic report for a survey in telecommunication](#)

Other

19. Petr Maj: [TestR: R language test driven specification](#)
20. Karim Chine: [R as a Data Operating System for the Cloud](#)
21. Monika Zuchowicz: [Analysis of data from student surveys at Kielce University of Technology using R Commander and R Data Miner](#)
22. Gergely Daróczy: [A cloud infrastructure for R reports](#)
23. Kurt Ranalter: [On thinning spatial polygons](#)
24. Milena Nowek: [Data mining with Rattle](#)
25. Kamil Mogielski: [Analysis of load capacity of pipes with CIPP liners using R Rattle package](#)
26. Jaynal Abedin: [edeR: Email Data Extraction using R](#)
27. David Scott: [hwriterPlus: Extending the hwriter Package](#)

Social science

28. Yasuto Nakano: [Quantitative Text Analysis of readers' contributions on Japanese daily newspapers](#)

Statistics/Biostatistics

29. Peyman Eshghi: [R/Statistica Interface](#)
30. Guillermo Valles Castellano: [AMOEBa+ with R](#)
31. Javier Roca-Pardiñas: [Software developments for non-parametric ROC regression analysis](#)
32. Javier Roca-Pardiñas: [An R-package for Weighted Smooth](#)
33. Marta Sestelo: [Variable selection algorithm implemented in FWDselect](#)
34. Javier Roca-Pardiñas: [TPmsm: Estimation of the Transition Probabilities in 3-State Models](#)
35. Marta Sestelo: [NPRregfast: Inference methods in regression models including factor-by-curve interaction](#)
36. Jorge Luis Ojeda Cabrera: [intRegGOF: Modelling with the aid of Integrated Regression Goodness of Fit tests.](#)
37. Moisés Gómez-Mateu: [A Web-based Application as a Dynamical Tool for Clinical Trial Researchers](#)
38. Sandra González Maldonado: [Biomarker Discovery using Metabolite Profiling Data: Discussion of different Statistical Approaches.](#)
39. Klaus Marquart: [Reproducible and Standardized Statistical Analyses using R](#)
40. Francisco Javier Rodríguez Cortés: [Point process spatio-temporal product density estimation with R](#)
41. Jonatan A. González: [Spatio-Temporal ANOVA for replicated point patterns using R](#)
42. Xavier Barber: [Estimation of parameters using several regression tools in sewage sludge by NIRS](#)
43. Margarita Rincón Hidalgo: [Recipe for the implementation of a population dynamics bayesian model for anchovy: Supercomputing using doMC , rjags and coda R packages](#)

Teaching

44. Antonio Arcos: [A R tool to teach descriptive statistics](#)
45. Francisco Gomariz-Castillo: [Using R as continuous learning support in Sea Sciences degree](#)
46. Xosé M. Martínez: [Teaching introductory statistics to students in economics: a comparison between R and spreadsheet](#)
47. Pilar Sanmartin: [Introducing statistic and probability concepts with R in engineering grades](#)

Thursday 11th July

09:00	Invited Talk, Paraninfo, Chair: J.J. Allaire Duncan Murdoch What's New in R 3.0.x?
Focus IV	10:00 Machine learning I, FEBS 1, Chair: Esteban Alfaro Bojan Mihaljevic BayesClass: An R package for learning Bayesian network classifiers Lala Septem Riza Constructing fuzzy rule-based systems with the R package "frbs" Selçuk Korkmaz bbRVM: an R package for Ensemble Classification Approaches of Relevance Vector Machines Max Kuhn Classification Using C5.0
	Marketing/Business Analytics I, FEBS 2, Chair: José Luis Alfaro Louis Bajuk-Yorgan Extending the Reach of R to the Enterprise David Smith Big-data, real-time R? Yes, you can. Alex Zolotovitski Large-Scale Predictive Modeling with R and Apache Hive: from Modeling to Production Allan Engelhardt Non-Life Insurance Pricing using R
	Official statistics I, FEBS 9, Chair: Alexander Kowarik Giulio Barcaroli ReGenesees: symbolic computation for calibration and variance estimation Martijn Tennekes Big data exploration with tabplot Valentin Todorov rwiot: An R package for Input-Output analysis on the World Input Output Database (WIOD) Alexander Kowarik Make Your Data Confidential with the sdcMicro and sdcMicroGUI packages
	Statistical Modelling I, FEBS 10, Chair: Heather Turner Natalie Koziol MRCV: A Package for Analyzing the Association Among Categorical Variables with Multiple Response Options Alexandra Kuznetsova Different tests on lmer objects (of the lme4 package): introducing the lmerTest package. Miguel Munoz Zuniga Implementation of advanced polynomial chaos expansion in R for uncertainty quantification and sensitivity analysis Maengseok Noh Dhglm & frailtyHL : R package for double hierarchical generalized linear models and frailty models
	11:20 Tapas Break, sponsored by Oracle
	11:50 Machine learning II, FEBS 1, Chair: Max Kuhn Jim Harner rknn: an R Package for Parallel Random KNN Classification with Variable Selection Matthias Eckardt Patterns of Multimorbidity: Graphical Models and Statistical Learning Tristan Mary-Huard ExactSampling: risk evaluation using exact resampling methods for the k Nearest Neighbor algorithm A. Pedro Duarte Silva Classifying High-Dimensional Data with the The HiDimDA package
	Marketing/Business Analytics II, FEBS 2, Chair: Noelia García Kamson Lai Groupon Impact Report: Using R To Power Large-Scale Business Analytics Joseph Rickert Statistics with Big Data: Beyond the Hype Andrie de Vries Using survival analysis for marketing attribution (with a big data case study) Mark Hornick Big Data Analytics - Scaling R to Enterprise Data
	Official statistics II, FEBS 9, Chair: Matthias Templ Susie Jentoft Using R for exploring sampling designs at Statistics Norway Anna Dyga Application of R in Crime Data Analysis Andy South Maps can be rubbish for visualising global data : a look at other options. Han Lin Shang The use of demography package for population forecasting
	Statistical Modelling II, FEBS 10, Chair: Benjamin French Natalya Pya Shape constrained additive modelling in R Rosalba Radice Semiparametric bivariate probit models in R: the SemiParBIVProbit package Peter Ruckdeschel "RobExtremes": Robust Extreme Value Statistics — a New Member in the RobASt-Family of R Packages Heather Turner Generalized Bradley-Terry Modelling of Football Results
	13:10 Lunch

15:00	Invited Talk, Paraninfo, Chair: Matías Gámez José Manuel Benítez-Sánchez Computational Intelligence in R	
16:00	useR! 2013 Prize Awards, Paraninfo	
Focus VI	16:30 Programming, FEBS 1, Chair: Duncan Murdoch Rasmus Bååth An exposé of naming conventions in R Majid Sarmad Statistical Machine Translation tools in R Colin Gillespie Reference classes: a case study with the powerLaw package Felipe Ortega Combining R and Python for scientific computing	
	Biostatistics: Regression Methodology, FEBS 2, Chair: Gonzalo García-Donato Giampiero Marra Copula sample selection modelling using the R package SemiParSampleSel Andreas Alfons Robust model selection for high-dimensional data with the R package robustHD Marek Molas HGLMMM and JHGLM: Package and codes for (joint)hierarchical generalized linear models Yiwen Zhang Fitting regression models for polytomous data in R	
	R in the Central Banks, FEBS 9, Chair: Guiseppe Bruno Beat Hulliger Outliers in multivariate incomplete survey data Matjaž Jeran Use of R and LaTeX for periodical statistical publications Giuseppe Bruno Solving Dynamic Macroeconomic Models with R	
	R in companies, FEBS 10, Chair: Josh Paulson Joe Cheng Shiny: Easy web applications in R Aleksandar Blagotić rapport, an R report template system J.J. Allaire Seamless C++ Integration with Rcpp Attributes Tobias Verbeke The R Service Bus: New and Noteworthy	
	17:50 Tapas Break, sponsored by R-Studio	
	Kaleidoscope/Lightning Talks	18:20 Kaleidoscope I, FEBS 1, Chair: George Ostrouchov Marco Scutari packdep: network abstractions of CRAN and Bioconductor Douglas Mason The Beatles Genome Project: Cluster Analysis of Popular Music in R Richard Cotton The secrets of inverse brogramming
		Kaleidoscope II, FEBS 2, Chair: David Conesa Charles DiMaggio Mapping Hurricane Sandy Damage in New York City Graeme Hickey Unlocking a national adult cardiac surgery audit registry with R Alexander Bertram Renjin: A new R interpreter built on the JVM
		Lightning Talks I, FEBS 9, Chair: Emilio L. Cano Jonathan Cornelissen DataMind.org: developing an interactive online education platform for R Joseph Rickert Revolution Analytics supporting the R Community Gergely Daróczi Transforming R objects to Pandoc's markdown William Hughes A Simple (Simplistic?) Approach to Conjoint Analysis using R Tal Galili Updating R on Windows/Mac (the installr package) Catherine Hurley Seriation for visualisation with package DendSer Markus Gesmann R in Insurance Aleksandar Blagotić? Rapport - reproducible statistical templates David Smith What is R? (with a surprise) Kevin Moore Breaking the mould without breaking the system - the challenges of change Sascha Frydman Mapping the Human Brain: How I Connected an MRI Analysis System with Rcpp Scott Sherrill-Mix glmnet and latent HIV: twists in the hunt for a cure
		Lightning Talks II, FEBS 10, Chair: Virgilio Gómez-Rubio Karsten Weinert Handling data with the datamart package Jan Graffelman Visualizing correlation matrices with R Romain Francois Rcpp is ready Andy South Mapping half a million petition signatures using R Ramon Diaz-Uriarte Using R for the parallelized analysis of big genomics data Jonathan McPherson RStudio Debugging Features Preview JJ Allaire Reproducible Presentations with RStudio Thierry Onkelinx Using mixed models for quality control of citizen science data Alexander Meyer Transcatheter Heart Valve Registry Data Explorer - a Shiny Use Case Mario Inchiosa 10 Reasons to Use Revolution R Enterprise - Free to Academics Alex Zolotovitski R work journal Wolfgang Hints for R faster R code Raffelsberger Przemyslaw Biecek R packages with PISA data. Let's learn about education!
		21:30 Conference Dinner, Restaurant "Casino Primitivo"

Friday 12th July

09:00	Invited Talk, Paraninfo, Chair: TBC Steve Scott	Bayesian computation in C++ with R as an interface
Focus VII	10:00 Visualization/Graphics I, FEBS 1, Chair: Hadley Wickham	
	Vladimir Skvortsov	Radar data acquisition, analysis and visualization using reproducible research with Sweave
	Sacha Epskamp	Network Visualizations of Statistical Relationships and Structural Equation Models
	Oliver Bracht	tableR - An R based approach for creating table reports from surveys
	Kimberly Speerschneider	likert: An R Package for Visualizing and Analyzing Likert-Based Items
	Richard Heiberger	Design of likert graphics with lattice and mosaic
	High performance computing, FEBS 2, Chair: Marco Scutari	
	Emma Huang	Facilitating genetic map construction at large scales in R
	Drew Schmidt	Elevating R to Supercomputers
	Jan Vitek	R in Java: Why and How?
	Junji Nakano	Rhpcc: A package for High-Performance Computing
	Modelling and Optimization, FEBS 9, Chair: Francisco Parreño	
	Tomoaki Nakatani	DCchoice: a package for analyzing dichotomous choice contingent valuation data
Aditya Bhagwat	Systems biology: modeling network dynamics in R	
Ching-Shih Tsou	Evolutionary multi-objective optimization with R	
Emilio L. Cano	An integrated Solver Manager: using R and Python for energy systems optimization	
GUIs/Interfaces, FEBS 10, Chair: Jan Graffelman		
Jorge Luis Ojeda Cabrera	Using Lazy-Evaluation to build the G.U.I.	
Reijo Sund	Survo for R - Interface for Creative Processing of Text and Numerical Data	
Zdzisław Piasta	Using R in teaching statistics, quality improvement and intelligent decision support at Kielce University of Technology	
11:20 Tapas Break, sponsored by TIBCO		
Focus VIII	11:50 Visualization/Graphics II, FEBS 1, Chair: Jason Bryer	
	Willem Ligtenberg	A ggplot2 builder for Eclipse/StatET and Architect
	Jason Waddell	Visualizing Multivariate Contrasts
	David Scott	metaplot: Flexible Specification for Forest Plots
	Franciso	GaRGoyLE: A map composer using GRASS, R, GMT and Latex
	Alonso-Sarría	
	High performance computing II, FEBS 2, Chair: Felipe Ortega	
	Dan Fraser	Open Source Product Creation, Bosco Team
	Yann Richet	Practical computer experiments in R
	Hannes Mühleisen	Symbiosis - Column Stores and R Statistics
	Michael Sannella	Memory Management in the TIBCO Enterprise Runtime for R (TERR)
	Reproducible Research, FEBS 9, Chair: Emilio L. Cano	
	David Montaner	TiddlyWikiR: an R package for dynamic report writing.
Randall Schumacker	Synthesis of Research Findings Using R	
Isaac Subirana	compreGroups updated: version 2.0	
Statistical Modelling III, FEBS 10, Chair: Rui Paulo		
Anabel Forte Deltell	BayesVarSel. An R package for Bayesian Variable Selection.	
Dalia Chakrabarty	Bayesian learning of model parameters given matrix-valued information, using a new matrix-variate Gaussian Process.	
David Conesa	FluDetWeb: an interactive web-based system for the early detection of the onset of influenza epidemics	
Jason Osborne	Looking for (and finding!) hidden additivity in complete block designs with the hiddenf package.	
13:10 Closing Remarks, Fac. of Economics and Business		
13:30 Lunch/Paella		