Rennes, July 8 • 10

AGROCAMPUS OUEST

The 5th R useR Conference
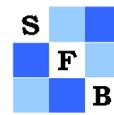
Contents

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DEAR useRs

First of all, on behalf of Agrocampus Ouest and the University of Rennes 2, we'd like to welcome you to the 5th R useR conference that takes place for the first time in France, at Agrocampus Ouest, Rennes.

This booklet contains (almost) all the practical information you need to know about this event, from the pre-conference tutorials that take place on July 7, to the conference itself from July 8 to July 10.

We hope that you will have a terrific time at the conference and that you will enjoy your stay in Rennes.

With kind regards from the organizing team.

ORGANIZING COMMITTEE

> Alain Bernardeau, Anne Bourdeau, David Causeur, Stéphane Crespel, François Husson (President), Julie Josse (Vice President), Maela Kloareg, Sébastien Lê, Aline Legrand (for all information), Elisabeth Lenauld, Eric Matzner-Lober, Jérôme Pagès.

SCIENTIFIC COMMITTEE

> Douglas Bates, Vincent Carey, Arthur Charpentier, Pierre-André Cornillon, Jan De Leeuw, Ramón Diaz-Uriarte, Marco Ferreira, Nicolas Hengartner, Torsten Hothorn (President), François Husson, Friedrich Leisch, Thomas Petzoldt, Ching-Fan Sheu, Ron Wehrens, Achim Zeileis.

WELCOME OFFICE
Opening hours:
> Tuesday, July 7: 08:00–19:30
> Wednesday, July 8: 08:00–18:00
> Thursday, July 9: 08:30–18:00
> Friday, July 10: 08:30–14:00

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PUBLIC TRANSPORTATION

How to get to the conference site?

➔ From the airport

By taxi

The airport is about 10/15 minutes from the conference site and the town centre (+33 299 30 79 79) (15€ before 19:00 after 25€)

By bus

Take the bus No. 57, stop at *République* then go to the conference site from downtown (see below).

➔ From downtown (*République)* or Rennes main train station

By subway

Take the subway (one subway each 3 min, length of the trip 5 min) direction, *J.F. Kennedy*. Stop at *Villejean Université*. Then the conference site will be indicated (it is about 10 minutes by walk).

By bus

From *République* or from Rennes train station:
-Take the bus number 16 (one bus each 10 min, length of the trip about 20 min to go to the conference site) direction Beauregard.
Stop at *Marbeuf-Agronomie*.

From *République:*

-Take the bus number 53 (each 20 min, lenght of the trip 15 min) , direction La Chapelle Thouarault. Stop at *Ecole d'agronomie*.

INTERNET

To configure the wireless network on your computer:
network **user2009**　　　　key **101129fh35**
Each participant gets his own login and password in his envelope.

IMPORTANT NUMBERS

➔Emergency / Medical Help
Firemen 18, Police 17 or +33 299 65 00 22 (Europe 112)
SOS Mécecin (Emergency medical services) +33 299 53 06 06

➔Miscellaneous
Tourism Office +33 299 67 11 11
Taxis +33 299 30 79 79
SNCF Train www.voyages-**sncf**.com/
Airport +33 299 29 60 00

TEA/COFFEE BREAKS

The breaks will take place in the hall in front of the conference rooms.

LUNCH BREAK

Lunch is included in your registration fees; the restaurant is the number 1 on the Campus map.

RESTAURANTS AND BARS IN RENNES

Rennes offers a huge amount of bars and restaurants downtown. You can find different types of restaurants and bars.

Some of the **most popular restaurants** of Rennes are located in the following streets: Rue Saint George, Rue du Chapitre, Rue Sainte Mélaine, rue Nantaise.

Here a list proposed by the organizing committee:

RESTAURANTS AND BARS IN RENNES
> Traditional French food
L'amiral, Place de Bretagne, 1 rue de la Motte-Picquet
Au plaisir des sens, 54 rue d'Antrain
Le bocal, 6 rue d'Argentré
L'amiral, Place de Bretagne, 1 rue de la Motte-Picquet
Le café Breton, 14 rue Nantaise
L'atelier des gourmets, 12 rue nantaise
L'ouvrée, 18 place des Lices
L'eau à la bouche, 12 rue de l'Arsenal
La cantine délices, 16 rue Nantaise
Le gouts des hôtes, 8 rue Rallier du Baty
Monsieur est servi, 3 rue des Dames

> Sea food
La taverne de la marine, 2 place de Bretagne

> Wine bar
Le Tir Bouchon, 2 rue du chapitre
Nabuchodonosor, 12 rue Hoche

> Creperie and Brittany specialties
Creperie St georges, 11 rue du Chapitre
La bonne pâte, 6 rue Derval
Ar Pillig, 10 rue d'Argentré
Crêperie des portes mordelaises, 6 rue des portes mordelaises
L'abri du marché, 12 place des lices

> Italian
Le Florentin, 21 rue du chapitre
La casa pepe, 29 rue St-Georges
La Janata, 5 place des lices
Papamia, 40 rue St-georges

> Others
Le Yamouna Indian, 16 rue de Robien
Falafel, 16 rue de St-Malo

SOCIAL PROGRAM

• Tuesday, July 7, 18:00 – 19:30: **Welcome party** on the campus (building 24 on the map).

• Wednesday, July 8, 19:00 – 20:00: **Official Reception** at the City Hall of Rennes, the heart of downtown. Address: 1, place de la Mairie. After the reception, you can keep on discussing in one of the many restaurants and pubs located downtown. Please use public transportation to go to the city hall: subway, bus 16 or bus 53, stop at *République.*

• Thursday, July 9, 19:00 – 24:00: **Conference Dinner** in the Lycée Saint-Vincent, 57 rue de Paris. Buses will take you from the campus to the conference dinner place at **18h40**. After the dinner we suggest you to go in the *Parc du Thabor* located in front of the conference dinner place for a surprising concert of *Radio Ba*rkas, the smallest mobile radio station of the Netherlands, which is one of the free concerts of *Les tombées de la nuit*.
Bus transfer back in the city center and the conference site has been arranged (22:45 ; 00:15).

SIGHTSEEING
The Tourism Office is located downtown, 11 rue Saint Yves
(+332 99 67 11 06, www.tourisme-rennes.com).

If you want to go to St Malo and the Mont St Michel at the end of the meeting, you will have to book on the website.
http://www2.agrocampus-ouest.fr/math/useR-2009/socialprogram.html

During the useR! Conference, Rennes hosts a series of musical encounters and light and sound shows during its annual summer festival, *Les Tombées de la Nuit.* For more information:
 http://www.lestombeesdelanuit.com/sons-publics-festival-d-ete.html

INFORMATION FOR SPEAKERS

Please be in the room prior to the session.
Speakers of contributed talks, please note that your talk is scheduled for **15 minutes** plus discussion.
The format of discussion depends on the kind of session you are in:

• useR! Kaleidoscope
These sessions with oral presentations of 15 minutes each will give a broad overview of the many different applications and usages of the R system that should appeal to a broader audience. Each talk is directly followed by a discussion.

• useR! Focus Sessions
These sessions with oral presentations of 15 minutes each will focus on topics of special interest and their goal is to provoke fruitful discussions in the respective user communities . In focus sessions, plenty of time for discussion is reserved at the end of the whole session (rather than after each talk) to discuss all talks of the topic together.

• Technical details
All lecture rooms are equipped with a laptop and an LCD projector. Presentation should be in PDF (preferred!) or PPT (Office XP available only) file (unless the presenters need their own laptop for software demonstrations).

INFORMATION FOR SESSION CHAIRS

Please make sure that each talk (without discussion) is finished after 15 minutes (40 minutes for invited lectures) in order to allow time for discussions and guarantee a smooth realization of the schedule.

TUTORIALS

July 7, 09:00–12:30 (coffee break: 10:30-11:00)

> Douglas Bates: Mixed Effects Models in R using the lme4 package (Room R2)

> Dirk Eddelbuettel: Introduction to High Performance Computing with R (Room R1)

> Franck E. Harrel Jr: Regression Modeling Strategies using the R Design Package (Room R4)

> Sébastien Lê, Jérôme Pagès, Marine Cadoret: From multi-variate to multiway data analysis... an overview (Room Senso)

> Thomas Lumley: Regression on large data sets big(g)lm and other approaches (Room D1)

> Erich Neuwirth: R in spreadsheets, RExcel and a little bit of ROO (Room R5)

> Antony Unwin: Graphical Exploratory Data Analysis (Room D2)

> Jing Hua Zhao: Genome-wide Association Studies (Room D3)

July 7, 14:00–17:30 (coffee break: 15:30-16:00)

> Thomas Baier: Embedding R in Custom and Standard Applications (Room R5)

> Karim Chine: A federative, collaborative and R-based platform for e-Science, an overview (Room Senso)

> Andrea S. Foulkes: Applied Statistical Genetics with R (Room R1)

> Franck E. Harrel Jr: Statistical Presentation Graphics (Room R2)

> Thomas Lumley: Survey analysis in R (Room D1)

> Heather Turner, David Firth: Introduction to Generalized Nonlinear Models in R (Room R4)

> Hadley Wickham: Analysing large data with many models (Room D3)

> Simon Wood : GAMs and other smooth GLMs with R (Room D2)

Overview

Wednesday, July 8

Time	
08:15 - 08:45	Registration
08:45 - 09:00	**Welcome (Big room)**
09:00 - 09:45	**Invited Lecture** (Big room): **Dalgaard: *What we wish people knew more about when working with R?***
09:45 - 10:30	**Invited Lecture** (Big room): **Cutler: *Random Forests***
10:30 - 11:00	Coffee Break
11:00 - 12:15	**useR! Kaleidoscope** — Kaleidoscope I (Big room); Kaleidoscope II (R4); Kaleidoscope III (R5)
12:15 - 14:00	Lunch Break
14:00 - 14:45	**Invited Lecture** (Big room): **Storey: *Whole Data Approaches to Large-Scale Multiple Hypothesis Testing***
14:50 - 15:45	**useR! Focus** — *omics (R1); Business Case Studies (R2); Workbenches (R4); Visualization 1 (R5); Pharmacokinetics (D1); Computational Social Sciences (Senso)
15:45 - 16:15	Coffee Break / Poster
16:15 - 17:10	**useR! Focus** — Genomic Data & Preprocessing (R1); Econometrics (R2); Workflows 1 (R4); Visualization 2 (R5); Oceans & Forests (D1); Multivariate Statistics 1 (Senso)
17:15 - 18:10	**useR! Focus** — Microarrays (R1); Efficiency Analysis (R2); Workflows 2 (R4); Multimedia (R5); Ecology (D1); Multivariate Statistics 2 (Senso)
evening	City Hall

Thursday, July 9

Time	
09:00 - 09:45	**Invited Lecture** (Big room): **Hastie: *Regularization Paths for Generalized Linear Models via Coordinate Descent***
09:50 - 10:45	**useR! Focus** — Biostatistics (R1); Forecasting in Practice (R2); R Programming (R4); Documentation & Text Processing (R5); Classification & Regression Trees (D1); Image Analysis (Senso)
10:45 - 11:15	Coffee Break
11:15 - 12:15	**useR! Kaleidoscope** — Kaleidoscope I (Big room); Kaleidoscope II (R4); Kaleidoscope III (R5)
12:15 - 14:00	Lunch Break
14:00 - 14:45	**Invited Lecture** (Big room): **Theus: *Statistical Graphics! Who needs Visual Analytics?***
14:50 - 15:45	**useR! Focus** — Clinical Trials & Drug Development (R1); Portfolio Analysis (R2); Parallel Computing (R4); Office Integration (R5); Bayesian Networks & Smoothing (D1); Cluster Analysis (Senso)
15:45 - 16:15	Coffee Break / Poster
16:15 - 17:10	**useR! Focus** — Association Studies 1 (R1); Risk over Time (R2); Memory (R4); Data Connections (R5); Machine Learning (D1); Chemometrics (Senso)
17:15 - 18:10	**useR! Focus** — Association Studies 2 (R1); Time Series Analysis (R2); Computer intensive Methods (R4); Interfaces (R5); Modelling & Computer Experiments (D1); Distributions (Senso)
evening	Conference Dinner

Friday, July 10

Time	
09:00 - 09:45	**Invited Lecture** (Big room): **Greenacre: *Dynamic transitions between multivariate methods***
09:50 - 10:45	**useR! Focus** — Survival Analysis (R1); Regression (R2); Textmining (R4); Interactive Graphics (R5); Numeric Optimization (D1); Psychometrics (Senso)
10:45 - 11:15	Coffee Break
11:15 - 12:50	**useR! Kaleidoscope** — Kaleidoscope I (Big room); Kaleidoscope II (R4); Kaleidoscope III (R5)
12:55 - 13:40	**Invited Lecture** (Big room): **Friedman: *Fast Sparse Regression and Classification***
13:40 - 13:50	**Goodbye (Big room)**
13:50 - 14:30	Lunch (snack)

Wednesday

Time/Room	Big room	Room R4	Room R5	Room R1	Room R2	Room D1	Room Senso
08:00 - 08:45	Registration						
08:45 - 09:00	**Welcome**						
09:00 - 09:45	**Invited Lecture** (Chair: Julie Josse) **Peter Dalgaard** *What we wish people knew more about when working with R?*						
09:45 - 10:30	**Invited Lecture** (Chair: François Husson) **Adele Cutler** *Random Forests*						
10:30 - 11:00	Coffee Break						
11:00 - 12:15	**useR! Kaleidoscope I** (Chair: Deepayan Sarkar)	**useR! Kaleidoscope II** (Chair: Martin Maechler)	**useR! Kaleidoscope III** (Chair: Heather Turner)				
	Chine Karim *R on Amazon EC2*	Rosenbaum Janet, Rompalo Anne *Giving syphilis to friends: Using social network methods to study the spread and control of syphilis in Baltimore*	Su Yu-Sung, Gelman Andrew, Hill Jennifer *Multiple imputation with diagnostics: opening windows into the black box*				
	Theussl Stefan, Feinerer Ingo, Hornik Kurt *Distributed Text Mining with tm*	Stahlschmidt Stephan, Tausendteufel Helmut, Härdle Wolfgang *Linking the Offender's age to the Criminal Event: A Statistical Study on Sex-related Homicides*	Bouche Jérôme, Fournier Gwenaëlle, Fournier Olivier, Le Poder Francois *EnQuireR: exploration of questionnaires with R*				
	Smith David *Parallel Computing with Iterators*	Ferreira Marco, Bertolde Adelmo, Holan Scott *Analysis of Economic Data With Multiscale Spatio-temporal Models*	Grömping Ulrike *Design of Experiments in R*				
	Urbanek Simon *iPlots Extreme - next-generation interactive graphics for analysis of large data in R*	Strobl Carolin, Zeileis Achim *Party on! - A new, conditional variable importance measure for random forests available in "party"*	Monette Georges, Fox John *A Framework for Hypothesis Tests in Statistical Models With Linear Predictors*				
12:15 - 14:00	Lunch Break						

Wednesday

Time|Room	Big room	Room R4	Room R5	Room R1	Room R2	Room D1	Room Senso
14:00 - 14:45	**Invited Lecture** (Chair: David Causeur) **John Storey** *Whole Data Approaches to Large-Scale Multiple Hypothesis Testing*						
14:50 - 15:45		**useR! Focus** Workbenches (Chair: Daniel Adler)	**useR! Focus** Visualization 1 (Chair: Martin Theus)	**useR! Focus** *omics (Chair: Franck Picard)	**useR! Focus** Business Case Studies (Chair: Jim Porzak)	**useR! Focus** Pharmacokinetics (Chair: Nicholas Lewin-Koh)	**useR! Focus** Computational Social Sciences (Chair: John Fox)
		Battke Florian, Symons Stephan, Nieselt Kay *Mayday RLink - The best of two worlds*	Laurent Thibault, Ruiz-Gazen Anne, Thomas-Agnan Christine *Exploratory interactive tools for spatial data analysis*	Robin Xavier, Turck Natacha, Sanchez Jean-Charles, Müller Markus *Combination of protein biomarkers*	Ishida Hisashi, Kondo Fumiyo *Simultaneous Use Probability of Mobile Internet and Other Media by Multivariate Probit Model*	Ritz Christian, Streibig Jens Carl *Dose-response modelling using R*	Hatekar Neeraj, Kumar Ajit *Computational Social Sciences using R*
		François Romain, Chine Karim *Advanced editor for the biocep workbench*	Villalobos Hector, Gonzalez-Rodriguez Eduardo *satin: a R package for extracting and visualizing satellite data for oceanographic applications*	Panse Christian, Gerrits Bertran, Schlapbach Ralph *PEAKPLOT: Visualizing Fragmented Peptide Mass Spectra in Proteomics*	Sara Fontdecaba , Jose A. Sanchez-Espigares , Pilar Muñoz *Estimating Markov-Switching Regression Models in R: An application to model energy price in Spain*	Thorin Chantal, Mallem Yassine, Noireau Jacques, Desfontis Jean-Claude *Tools on R for Dose-response curves analysis*	Porro Giuseppe, Iacus Stefano Maria, King Gary *CEM: A Matching Method for Observational Data in the Social Sciences*
		Grosjean Philippe, Francois Romain, Barton Kamil *SciViews-K and Komodo Edit, a new platform-independent GUI/IDE for R*	Hurley Catherine, Oldford R.W *Eulerian tour algorithms for data visualization and the PairViz package*	Kloareg Maela, Friguet Chloé, Causeur David *Factor Analysis for Multiple Testing (FAMT) : an R package for large-scale significance testing under dependence*	Müller Marlene *A case study on using generalized additive models to fit credit rating scores*	Harbron Chris *Using R For Flexible Modeling Of Pre-Clinical Combination Studies*	Bryant Benjamin *Supporting Robust Decisions with Classification and Data-Mining Algorithms*
15:45 - 16:15	Coffee Break / **Poster session**						

Time|Room	Big room	Room R4	Room R5	Room R1	Room R2	Room D1	Room Senso
16:15 - 17:10		**useR! Focus** Workflows 1 (Chair: Karim Chine)	**useR! Focus** Visualization 2 (Chair: Martin Theus)	**useR! Focus** Genomic Data & Preprocessing (Chair: Narasimhan Balasubramanian)	**useR! Focus** Econometrics (Chair: Yves Croissant)	**useR! Focus** Oceans & Forests (Chair: Thomas Petzoldt)	**useR! Focus** Multivariate Statistics 1 (Chair: Pierre-André Cornillon)
		Philippe Hupé *A suite of R packages for the analysis of DNA copy number microarray experiments*	Morales Mario *Kaleidoscope Graphs in R*	Kohl Matthias *R Package RobLoxBioC: Infinitesimally robust estimators for preprocessing gene expression data*	Carlevaro Fabrizio, Croissant Yves, Hoareau Stephane *Multiple hurdles models in R*	Van Iseghem Sylvie, Demanèche Sébastien, Daurès Fabienne, Leblond Emilie *An integrated and statistical approach using R to assess the economic importance of coastal fisheries in France*	Epifanio Irene *Proximity data visualization with h-plots*
		Antoni Arlette, Dhorne Thierry, Le Guyadec Yann *Towards a R-centric architecture for multi purpose geographical analysis on heterogeneous multi-source data*	Burger Thomas, Dhorne Thierry *A Graphical Tool for the Detection of Modes in Continuous Data*	Haldermans Philippe, Shkedy Ziv *LMMNorm: a package for the normalization of microarrays using linear mixed models*	Millo Giovanni, Piras Gianfranco *splm: econometric analysis of spatial panel data*	Louzao Maite, Goarant Anne, Peron Clara, Thiebot Jean-Baptiste *Extracting oceanographic data via R: An application to habitat modelling of marine species*	Le Ray Guillaume, Molto Quentin, Husson François *Hierarchical Clustering based on Principle Components*
		Risselada Roelof, Friedrich Christoph M., Ebeling Christian, Klinger Roman, Bauer-Mehren Anna *Workflows for Data Mining in Integrated multi-modal Data of Intracranial Aneurysms using KNIME*	Poisot Timothée *Meaningful representation of multivariate analysis output in R: how to solve the trade-off between amount of information and readability?*	Picard Franck, Lebarbier Emilie, Thiam Baba, Robin Stéphane *Statistical assessment of chromosomal aberrations at the cohort level: the CGHSeg package*	Stigler Matthieu *Threshold cointegration in R*	Klemmt Dr. Hans-Joachim *Application of R for classification of main tree species using terrestrial laser scanner data*	Templ Matthias, Alfons Andreas, Filzmoser Peter *Exploring the multivariate structure of missing*
17:15 - 18:10		**useR! Focus** Workflows 2 (Chair: Karim Chine)	**useR! Focus** Multimedia (Chair: Stefan Theussl)	**useR! Focus** Microarrays (Chair: Maela Kloareg)		**useR! Focus** Ecology (Chair: Philippe Grosjean)	**useR! Focus** Multivariate Statistics 2 (Chair: Pierre-André Cornillon)
		Wessa Patrick, van Stee Ed *The Reproducible Computing package*	Sueur Jerome, Aubin Thierry, Simonis Caroline *Sound analysis and synthesis with the package Seewave*	Scharl Theresa, Leisch Friedrich *R package gcExplorer: graphical and inferential exploration of cluster solutions*		Zambrano Bigiarini Mauricio *R in Hydrological Modelling: Why should try it?*	Weeks Richard, Kimberlin Oliver *Using R for Sensory Analysis, including a discussion of the S4 class system*
		Diamond Neil, Abramson David, Peachey Tom *Using R for the design and analysis of computer experiments with the Nimrod toolkit*	Jensen Landon, Shah Vatsal *wiiRemote*	Marot Guillemette, Foulley Jean-Louis, Mayer Claus-Dieter, Jaffrézic Florence *metaMA: an R package implementing meta-analysis approaches for microarrays*		Sharp Gary, Friskin David, Hosking Stephen, Logie Catherine *The Determination of an Environmental Service for a Contingent Valuation Study - Using R to Compute Estimates*	Reilly James L. *Unbiased variance estimates for multiple imputation in R*
		Lindsey Justin *Applianized Massively Parallel High Performance R*	Jose Quesada *From relational databases to Linked Data: R for the semantic web*	Friedrich Christoph M., Gündel Michaela *Combining Text Mining and Microarray Analysis*			Iodice D'Enza Alfonso *Binary attributes quantification with external information*
evening	City Hall						

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Thursday

Time|Room	Big room	Room R4	Room R5	Room R1	Room R2	Room D1	Room Senso
08:30 - 09:00	Registration						
09:00 - 09:45	**Invited Lecture** (Chair: Torsten Hothorn) **Trevor Hastie** *Regularization Paths for Generalized Linear Models via Coordinate Descent*						
09:50 - 10:45		**useR! Focus R Programming** (Chair: Uwe Ligges)	**useR! Focus Documentation & Text Processing** (Chair: Sébastien Lê)	**useR! Focus Biostatistics** (Chair: David Firth)	**useR! Focus Forecasting in Practice** (Chair: Arthur Charpentier)	**useR! Focus Classification & Regression Trees** (Chair: Jerome H. Friedman)	**useR! Focus Image Analysis** (Chair: Peter Dalgaard)
		Adler Daniel, Philipp Tassilo *The rdyncall package: An improved foreign function interface for R*	França Lionel Riou, Genolini Christophe *R to LaTeX, Univariate Analysis*	Dejean Sébastien, Gonzalez Ignacio, Lê Cao Kim-Anh *Extensions of CCA and PLS to unravel relationships between two data sets*	Despagne Wilfried *A Forecasting System Developed under R, Dedicated to Temperature-Controlled Goods Hauling*	Stewart Sam, Abdolell Mohamed, LeBlanc Michael *Customizing the rpart library for multivariate gaussian*	Pouzat Christophe, Chaffiol Antoine, Gu Chong *STAR: Spike Train Analysis with R*
		Eddelbuettel Dirk *C++ classes to extend and embed R: The Rcpp and RInside packages*	Cooper Danese *A new system for collaborative documentation for R*	Katina Stanislav *Shape analysis in R: GM library in the light of recent methodological developments*	Walz Corinne, Ziemer Franziska, *Electrical Load Forecasting in R*	Kocyigit Ahmet *Tree Algorithms in Data Mining: Comparison of R-part and Rweka*	Bordier Cecile, Dojat Michel, *AnalyzeFMRI: an R package to perform statistical analysis on FMRI datasets*
		Winston Rory *Handling Streaming Data in R using bigmemory*	Ellis Andrew, Wuertz Diethelm, Chalabi Yohan, Hanf Martin *Why Does Rmetrics Need a Documentation Project?*		Boosarawongse Rujirek *The Forecast of the Export Quantity of Thai Frozen Sea Food*	Hothorn Torsten, Zeileis Achim *partykit: A Toolbox for Recursive Partitioning*	Joucla Sébastien, Pippow Andreas, Kloppenburg Peter, Pouzat Christophe *The CalciOMatic package: a new tool for calcium imaging quantitative analysis*
10:45 - 11:15	Coffee Break						
11:15 - 12:15	**useR! Kaleidoscope I** (Chair: Thomas Lumley)	**useR! Kaleidoscope II** (Chair: Ron Wehrens)	**useR! Kaleidoscope III** (Chair: Achim Zeileis)				
	Sedaret Karline *Mathematical modelling of the environment - are there enough data?*	Le Meur Nolwenn, Hahne Florian, Sarkar Deepayan, Gentleman Robert *High throughput flow cytometry analysis with Bioconductor*	Iacus Stefano Maria *Financial econometrics based on stochastic differential equations and the 'sde' package*				
	Petzoldt Thomas *Dynamic simulation models - is R powerful enough?*	Radivoyevitch Tom *Automated model generation and selection methods for combinatorially complex biochemical equilibriums*	Croissant Yves *Multinomial logit models in R*				
	Denis Kevin, Irigoien Xabier, François Romain, Grosjean Philippe *Zoo/PhytoImage, a software for automatic analysis of plankton samples based on R and ImageJ*	Katharine M. Mullen, Victor Krayzman, Igor Levin *Optimization challenges in fitting stochastic models for atomic positions in nanoparticles*	Bose Ron *The Impact of Water Supply and Sanitation interventions on child health: evidence from DHS surveys*				
12:15 - 14:00	Lunch Break						

Time|Room	Big room	Room R4	Room R5	Room R1	Room R2	Room D1	Room Senso
14:00 - 14:45	**Invited Lecture** (Chair: Sébastien Lê) **Martin Theus** *Statistical Graphics! Who needs Visual Analytics?*						
14:50 - 15:45		**useR! Focus** Parallel Computing (Chair: Dirk Eddelbuettel)	**useR! Focus** Office Integration (Chair: Richard Heiberger)	**useR! Focus** Clinical Trials & Drug Development (Chair: Arthur Allignol)	**useR! Focus** Portfolio Analysis (Chair: Stefano Iacus)	**useR! Focus** Bayesian Networks & Smoothing (Chair: Marco Ferreira)	**useR! Focus** Cluster Analysis (Chair: Friedrich Leisch)
		Schmidberger Markus *State-of-the-art in Parallel Computing with R*	Jones Wayne *Introducing the R to PowerPoint Package*	van Eikeren Paul, Dow-Hygelund Corey *Bayesian Approach to the Specification of Design Space in Quality by Design*	Wuertz Diethelm, Chalabi Yohan, Ellis Andrew, Hanf Martin *Portfolio Analysis and Optimization with R/Rmetrics*	Denis Jean-Baptiste, Delignette-Muller Marie-Laure, Pouillot Rénis *ReBaStaBa: handling Bayesian networks with R*	Genolini Christophe, Falissard Bruno *KmL: K-means for Clustering Longitudinal Data*
		Etienne Marie-Pierre, Corvazier Cyril, Legros Benjamin *Coalition : a simple and useful*	van Eikeren Josh, van Eikeren Paul *Microsoft Office Dynamic*	Henry Solomon, Wood Douglas, Narasimhan Balasubramanian *Subject Randomization*	Liu Wei-han *Estimation and Testing of*	Fernandez del Pozo Juan A., Bielza Concha *Influence Diagrams on R*	Vistocco Domenico, Bruzzese Dario *Stairstep-like dendrogram cut:*
		Nakano Junji, Nakama Ei-ji *Web Interface to R for High-Performance Computing*	Chard Jonathan, Gibbs Geoff, Dunn Andy, Shao Fan *Using R to provide a reporting plug-in for an Eclipse application*	O'Kelly Michael *R versus SAS in model based drug development*	Rowe Brian Lee Yung *A Tale of Two Theories: Reconciling random matrix theory and shrinkage estimation as methods for covariance matrix estimation*	Jégou Nicolas, Cornillon Pierre-André, Hengartner Nicolas, Matzner-Lober Eric *ibr: Iterative Bias Reduction Multivariate Smoothing*	Kaiser Sebastian, Leisch Friedrich *A Generalized Motif Bicluster Algorithm*
15:45 - 16:15	**Coffee Break / Poster session**						

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Thursday

Time|Room	Big room	Room R4	Room R5	Room R1	Room R2	Room D1	Room Senso
16:15 - 17:10		**useR! Focus** Memory (Chair: Dirk Eddelbuettel)	**useR! Focus** Data Connections (Chair: Hadley Wickham)	**useR! Focus** Association Studies 1 (Chair: Adele Cutler)	**useR! Focus** Risk over Time (Chair: Yohan Chalabi)	**useR! Focus** Machine Learning (Chair: Eric Matzner-Lober)	**useR! Focus** Chemometrics (Chair: Katharine Mullen)
		Baier Thomas, Neuwirth Erich *logiDIAG: High-Volumn Real-time Data*	Gochez Francisco *RNONMEM2: An R bundle for easy manipulation and graphing of NONMEM data*	Johnson Todd, Niimura Yoshihito, Tsunoda Tatsuhiko *hzAnalyzer: Detection, quantification, and visualization of contiguous homozygosity in human populations from high-density genotyping datasets using R and Java*	Goulet Vincent *Risk Theory Calculations with R and actuar*	Ahdesmäki Mika, Strimmer Korbinian *sda: an R package for shrinkage discriminant analysis*	Bloemberg Tom, Gerretzen Jan, Wouters Hans, Wehrens Ron *The PTW package: Global Parametric Time Warping in R*
		Oehlschlägel Jens, Adler Daniel *Managing data.frames with package 'ff' and fast filtering with package 'bit'*	Heiberger Richard *Dynamic Control of R Graphics through RExcel*	Melville Scott, Fuchsberger Christian *NCBI2R: An R package to navigate and annotate genes and SNPs*	Schmidbauer Harald, Tunalioglu Vehbi Sinan, Roesch Anai *MGARCH: An R Package for Fitting Multivariate GARCH Models*	Bücker Michael *Local Classification of Discrete Variables by Latent Class Models*	Sarmad Majid *PLS in Chemometrics with R*
		Emerson John, Kane Michael *bigmemory: bigger, better, and platform-independent*	Neuwirth Erich *R and spreadsheets - combining different programming paradigms*	Lubke Gitta, Meulman Jacqueline *Feasibility of using COSA as a genome-wide SNP screen*	Chalabi Yohan, Wuertz Diethelm *Managing chronological objects with timeDate and timeSerie*	Michaelson Jacob, Ackermann Marit, Beyer Andreas *Uncovering Interactions in Random Forests*	
17:15 - 18:10		**useR! Focus** Computer intensive (Chair: Arnaud Guyader)	**useR! Focus** Interfaces (Chair: Hadley Wickham)	**useR! Focus** Association Studies 2 (Chair: Adele Cutler)	**useR! Focus** Time Series Analysis (Chair: Yohan Chalabi)	**useR! Focus** Modelling & Computer (Chair: Ching-Fan Sheu)	**useR! Focus** Distributions (Chair: Peter Rudeckidescheel)
		Gandy Axel *Sequential Implementation of Monte Carlo Tests with Uniformly Bounded Resampling Risk*	Browne Dylan, Pugh Richard, Zhu Feng, Shao Fan *Providing R Reporting Capabilities to a Web Application from a Version Controlled R Codebase*	Raffelsberger Wolfgang, Paul Nicodeme, Olivier Poch *Analysis of deep sequencing data to study tumor biology*	Ruckdeschel Peter, Spangl Bernhard *R-Package "robKalman" -R. Kalman's revenge ... or robustness for Kalman filtering revisited*	Miller David Lawrence *A domain-morphing approach to smoothing over complex regions*	Delignette-Muller Marie Laure, Pouillot Régis, Denis Jean-Baptiste *Fitting distributions using R : the fitdistrplus package*
		Schimek Michael G., Budinska Eva, Lin Shili, Mysickova Alena *Inference, aggregation and graphics for top-k rank lists*	Klinger Roman, Friedrich Christoph M. *rSMILE, an interface to the Bayesian Network package GeNIe/SMILE*	Ackermann Marit, Beyer Andreas *Family-based analysis of genome-wide gene x gene interactions*	Varadhan Ravi, Subramaniam Ganesh *Automatic Numerical Differentiation of Noisy, Time-Ordered Data in R*	Helbert Celine, Dupuy Delphine, Deville Yves *A new R bundle for design and analysis of computer experiments*	Scott David, Wuertz Diethelm, Dona Christine *Implementation of Software for Distributions*
		Lewis Bryan W. *IRLB SVD methods for R*	Ooms Jeroen *IRTtool.com*	Zhao Jing Hua, Tan Qihua *Use of R in genome-wide association studies*		Roustant Olivier, Ginsbourger David, Deville Yves *The DiceKriging package: kriging-based metamodeling and optimization for computer experiments*	Neubauer Gerhard, Djuras Gordana, Friedl Herwig *Size Estimation - Statistical Models for Underreporting*
evening	Conference Dinner						

Friday

Time|Room	Big room	Room R4	Room R5	Room R1	Room R2	Room D1	Room Senso
08:30 - 09:00	Registration						
09:00 - 09:45	**Invited Lecture** (Chair: Jérôme Pagès) **Michael Greenacre** *Dynamic transitions between multivariate methods*						
09:50 - 10:45		**useR! Focus** Textmining (Chair: David Meyer)	**useR! Focus** Interactive Graphics (Chair: Antony Unwin)	**useR! Focus** Survival Analysis (Chair: Axel Benner)	**useR! Focus** Regression (Chair: Simon Wood)	**useR! Focus** Numeric Optimization (Chair: Arthur Charpentier)	**useR! Focus** Psychometrics (Chair: Carolin Strobl)
		Klinke Sigbert *Visualising a web site with tag clouds generated by R*	Broubela Roland, Flizmoser Peter, Pirincer Harald, *Integrating R into the InfoVis System Visplore*	Hofner Benjamin, Hothorn Torsten, Kneib Thomas *CoxFlexBoost: Fitting Structured Survival Models*	Nieuwenhuis Rense, Pelzer Ben, Te Grotenhuis Manfred *Influence.ME: Tools for recognizing influential data in mixed models*	Nash John C, Varadhan Ravi *Unifying optimization algorithms in R for smooth, nonlinear problems*	Knoblauch Kenneth, Tandeau Blaise. Maloney Laurence T. *Maximum Likelihood Conjoint Measurement in R*
		Bohn Angela, Feinerer Ingo, Hornik Kurt, Theussl Stefan *Network Text Analysis of R Mailing Lists*	Hamer E., James, Luo Dajie *mult: a Multivariate R Package with a Dynamic Java Frontend*	Allignol Arthur, Schumacher Martin, Beyersmann Jan *Empirical Transition Matrix of Multistate Models: The etm Package*	Jose A. Sanchez-Espigares, Jordi Ocaña *An R implementation of bootstrap procedures for mixed models*	Baty Florent, Charles Sandrine, Flandrois Jean-Pierre, Delignette-Muller Marie-Laure *The R package nlstools: a toolbox for nonlinear regression*	Cheng Chung-Ping, Sheu Ching-Fan *Fitting Models for the Iowa Gambling Task with R*
		Loiseau Sylvain, Magué Jean-Philippe, Heiden Serge *The TextometrieR package: textual data analysis for social sciences and humanities*	Ozel Bulent, Tunalioglu Vehbi, Gencer Mehmet, Erkan Kaan *EURACE Data Visualisation and Analysis Tool with R*	Moreira Carla, De Uña Alvarez Jacobo. Cruieiras Rosa *An R package for analyzing truncated data*	Galli Tal, Gavrilov Yulia, Benjamini Ycav *Using R for regression model selection with adaptive penalties*	Noncheva Veska, Mendes Armando, da Silva Emiliana *A Software Framework for Measuring Efficiency*	Sheu Ching-Fan, Cheng Teng-Chang *ALM: An R Package for Simulating Associative Learning Models*
10:45 - 11:15	Coffee break						

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Friday

Time\Room	Big room	Room R4	Room R5
11:15 - 12:50	**useR! Kaleidoscope I** (Chair: Simon Urbanek)	**useR! Kaleidoscope II** (Chair: David Smith)	**useR! Kaleidoscope III** (Chair: Nicolas Hengartner)
	Hadley Wickham *Model visualisation (with ggplot2)*	James John, Gochez Francisco *Using R in a Corporate Environment*	Maechler Martin, Bates Douglas *Sparse Matrices in package Matrix and applications*
	Zeileis Achim, Hornik Kurt, Murrell Paul *Escaping RGBland: Selecting Colors for Statistical Graphics*	Wijffels Jan *Prediction and Fuzzy Logic at ThomasCook to automate price*	Meyer David, Hornik Kurt *Good Relations with R*
	Leisch Friedrich *Visualizing Cluster Results Using Package FlexClust and Friends*	Guazzelli Alex, Lin Wen-Ching, Zeller Michael *Easy Execution of Data Mining Models through PMML*	Pau Grégoire, Huber Wolfgang *Composing HTML documents with hwriter*
	Lumley Thomas *Automating SQL queries from formulas: loading data on demand*	Porzak Jim *Building Information Dashboards with R*	Blundell Charles, Eddelbuettel Dirk *cran2deb: A system to automatically provide 1500+ CRAN packages as Debian binaries*
	Sarkar Deepayan *Using Qt for GUI tasks in R*	Silles Chris, Runnalls Andrew *Provenance Tracking in CXXR*	Ligges Uwe *Computational Aspects and Windows Related Community Services on CRAN*
12:55 - 13:40	**Invited Lecture** (Chair: Douglas Bates) **Jerome Friedman** *Fast Sparse Regression and Classification*		
13:40 - 13:50	**Goodbye**		
13:50 - 14:30	Lunch (snack)		

Posters	
Big saloon	**R3**
Arnholt Alan, Sanqui Joel *Ideas for Introducing Power in the Service Statistics Course*	Mariann Borsos, István Jánosi *Power Analysis for Multivariate Generalised Linear Model*
Bazzoli Caroline, Retout Sylvie, Comets Emanuelle, Le Nagard Hervé *Population designs evaluation and optimization in R: the PFIM function*	Lee Yen *Package for Deciding the Number of Factors in Exploratory Factor Analysis*
Bem Justin *Variance estimation in second cameroonian households survey*	Mi Xuefei, Utz Friedrich Utz *R-package MultiSelection: Optimizing Multi-stage Selection Gain and Controling the Variance (poster)*
Borcz Marcelina, Bala Piotr *Integration of R environment with the Grid*	Stephan Celso, Nucci Luciana, Mafra Ana Carolina, Cordeiro Ricardo *A Spatial Multinomial Case-Control Modeling Package*
Chu Mei-Chen, Sheu Ching-Fan *Fitting Multidimensional IRT Models with R*	Oliveira Teresa, Oliveira Amlcar *Upper Contour Method of a Joint Regression Analysis using R*
Comets Emmanuelle, Mentré France *Evaluation of nonlinear mixed effect models using prediction distribution errors: the npde library for R*	Ormsby Christopher E., Avila-Rios Santiago, Reyes-Teran Gustavo *Methods and classes for creating in silico evolved genetic sequences of HIV.*
De Smedt Sebastiaan, Alaerts Katrijn, Potters Geert, Samson Roeland *Mixed-effects modeling with the lme4 package: a modern tool for the analysis of plant morphological data in R*	Pelé Julien, Chabbert Marie *Dimensional reduction and clustering of class A G-protein-coupled receptors*
Henning Elisa, Alves Custodio, Samohyl Robert *Multivariate Process Monitoring and Control with R*	Stephan Celso, Nucci Luciana, Mafra Ana Carolina, Cordeiro Ricardo *A Spatial Multinomial Case-Control Modeling Package*
Hocking Toby Dylan *Sublogo dendrograms: visualizing correlation in biological sequence motifs*	Qeli Ermir, Panse Christian, Ahrens Christian *Visualization of Proteomics Data Integrated with KEGG Metabolic Data Using R and Bioconductor*
Ibáñez Maria Victoria, Prades Miriam, Simó Amelia *Modeling recovery rates of municipal waste using generalized linear models and beta regression*	Nunes Mafra Ana Carolina Cintra, Cordeiro Ricardo, Stephan Celso *Spatial odds ratio of disease in epidemiological studies with ordinal responses: a methodology using package VGAM.*
Lalanne Christophe, Duracinsky Martin, Vaivre-Douret Laurence, Chassany Olivier *Psychometrics in R: Rasch Model and beyond*	Zeleny David, Tichy Lubomir *Linking R and JUICE: software tool for analysis and visualization of vegetation data*
Larson Jennifer *Institutional Change on a Network*	Vautier Bertrand *What useR! deals with : a text mining over the ages*

AGROCAMPUS OUEST

AGRO CAMPUS OUEST

1 — Restaurant – Cité Riffault accommodation
2 / 3bis — Accomodation
4bis — Pavillon de passage accomodation
10 — Accomodation information – Cité Insfa accomodation
11 — Accounting
16 — Computer Room – Working room
24 — Conference rooms – Coffee breaks

Big Room

SNCF

24: Conference rooms

Sponsor
Coffee break

Saloon

D4
D3
D2
D1

Computer room
Working room
Working room
Conference room

WC

Entrance

WC

Grass

R5 Conf
R4 Conf
R3 Poster room
R2 Conf
R1 Conf

WC

Grass

Senso Conf

WC

WC

Big saloon / Poster

welcome

cloak room | cloak room

Big lecture room

Working room
Restaurant

Entrance