May 15, 2018 (Tuesday)

	Foo Room	Bar Hall
8:00		
8:10		
8:20	**Registration**	
8:30		
8:40		
8:50	Conference opening	
9:00		
9:10		
9:20	Martin Mächler	
9:30		
9:40		
9:50	Jeroen Ooms: Using Rust code in R packages	Edwin Thoen: A recipe for recipes
10:00		
10:10	Lionel Henry: Harness the R condition system	Ildiko Czeller: The essentials to work with object-oriented systems in R
10:20		
10:30		
10:40	**Coffee break**	
10:50		
11:00		
11:10		
11:20	Stefano M. Iacus: *Sentiment Analysis on Social Media and Big Data*	
11:30		
11:40		
11:50	Olga Mierzwa-Sulima: *Taking inspirations from proven frontend frameworks to add to Shiny with 4 new packages*	Marcin Kosiński: *Multi-state churn analysis with a subscription product*
12:00		
12:10	Mikołaj Olszewski: *Not all that Shiny by default*	Bence Arató: *The Big Connection - using R with big data* / Florian Privé: *An R package for statistical tools with big matrices stored on disk* / Matthias Kaeding: *RcppGreedySetCover – Scalable Set Cover* / Emil Lykke Jensen: *Make R elastic*
12:20		
12:30		
12:40		
12:50	**Lunch break**	
13:00		
13:10		
13:20		
13:30		
13:40		
13:50	Nathalie Villa-Vialaneix: *Learning from (dis)similarity data*	
14:00		
14:10		
14:20	Erin LeDell: *Scalable Automatic Machine Learning in R*	Sander Devriendt: *Sparsity with multi-type Lasso regularized GLMs*
14:30		
14:40	Szilard Pafka: *Better than Deep Learning - Gradient Boosting Machines (GBM) in R*	Francois Mercier: *Nonlinear mixed-effects models in R*
14:50		
15:00	Andrie de Vries: *Tools for using TensorFlow with R*	Stanislaus Stadlmann: *bamlss.vis - an R package for interactively visualising distributional regression models*
15:10		
15:20		
15:30	**Coffee break**	
15:40		
15:50	Matthias Templ: *Compositional analysis of our favourite drinks*	Tom Reynkens: *Estimating the maximum possible earthquake magnitude using extreme value methodology: the Groningen case*
16:00		
16:10	Przemyslaw Biecek: *Show me your model 2.0*	Andrew Collier: *Taking the Bayesian Leap*
16:20		
16:30	Heather Turner: *Modelling Item Worth Based on Rankings*	Timothy Wong: *Generalised Additive Model for Field Operation Demand Modelling* / Krzysztof Jędrzejewski: *IRT and beyond - what to do when you want to modify a model, but the package you use do not let you?* / Lubomír Štěpánek: *Classification and attractiveness evaluation of facial emotions for purposes of plastic surgery using machine-learning methods and R* / Johannes Gussenbauer: *The R-Package 'surveysd'*
16:40		
16:50	Federico Marini: *Interactivity meets Reproducibility: the ideal way of doing RNA-seq analysis*	Samuel Borms: *An integrated framework in R for textual sentiment time series aggregation and prediction* / Peter Laurinec: *Time Series Representations for Better Data Mining* / Ekaterina Fedotova: *Pragmatic approach for efficient processing of spatial data: application to climatology* / Jakub Houdek: *How to tell if a hockey player performs well (enough)* / Chris von Csefalvay: *Soylent Green is populations! Using synthetic populations in research and analytics*
17:00		
19:00		
19:30	**Conference Dinner**	
21:30		

Session chairs (Tuesday): Gergely Daróczi, Branko Kovač, Przemysław Biecek, Henrik Bengtsson, Bence Arató, Kevin O'Brien, David Smith, Kevin O'Brien

May 16, 2018 (Wednesday)

	Foo Room	Bar Hall
8:30		
8:40	**Registration**	
8:50		
9:00		
9:10		
9:20	Roger Bivand: *A practical history of R (where things came from)*	
9:30		
9:40		
9:50	Henrik Bengtsson: *A Future for R: Parallel and Distributed Processing in R for Everyone*	Noa Tamir: *Data Culture in Practice*
10:00		
10:10	Dénes Tóth: *radii.defer - Deferred execution of nested functions*	Aimee Gott: *Using R to Build a Data Science Team*
10:20		
10:30		
10:40	**Coffee break**	
10:50		
11:00	Barbara Borges: *Drilldown data discovery with Shiny*	Leopoldo Catania: *Predicting Cryptocurrencies Time–Series with the eDMA package*
11:10		
11:20	Colin Gillespie: *Getting the most out of GitHub and friends*	David Ardia: *Markov-Switching GARCH Models in R: The MSGARCH Package]*
11:30		
11:40	David Smith: *Speeding up R with Parallel Programming in the Cloud*	Andreas Scharmüller: *Time series modeling of plant protection products in aquatic systems in R*
11:50		
12:00	Simon Field: *Exploiting Spark for high-performance scalable data engineering and data-science on Microsoft Azure*	Claus Thorn Ekstrøm: *Predicting the winner of the 2018 FIFA World Cup predictions*
12:10		
12:20	Goran Milovanović: *Wikidata Concepts Monitor – R in action across Big Wikidata*	Hannah Frick: *Navigating the Wealth of R Packages* / Mikkel Freltoft Krogsholm: *Write Rmazing Code!* / Tamas Szilagyi: *Robust Data Pipelines with Drake and Docker* / Alicja Fraś: *Nested apply as an alternative to double for loops*
12:30		
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13:00	**Lunch break**	
13:10		
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14:00	Achim Zeileis: *R/exams -- A One-for-All Exams Generator*	
14:10		
14:20		
14:30	Mark van der Loo: *Tracking changes in data with the lumberjack package*	Mikolaj Olszewski: *What teaching R taught me about R* / Tatjana Kecojevic: *Setting up your R workshop in the cloud* / Titus Laska: *Quality Assurance in Healthcare with R* / Mira Céline Klein: *Writing R packages for clients: Guidelines at INWT Statistics*
14:40		
14:50	Edwin de Jonge: *validatetools - resolve and simplify contradictive or redundant data validation rules*	Luke Johnston: *An R toolkit to simplify and automate an open scientific workflow* / Tamás Nagy: *Manage your meta-analysis workflow like a boss: Introducing the [metamanager] package* / Andrea Schnell: *Establishing analytical pipelines tools and culture*
15:00		
15:10		
15:20	**Coffee break**	
15:30		
15:40	Arthur Charpentier: *Demographics with Genealogical Data*	Andrea Melloncelli: *What software engineers can teach to data scientists – code safety with automatic tests*
15:50		
16:00	Robin Lovelace: *Geocomputation for Active transport planning: a case study of cycle network design*	Wit Jakuczun: *Know your R usage workflow to handle reproducibility challenges*
16:10		
16:20	Mira Kattwinkel: *openSTARS – prepare GIS data for regression analysis on stream networks*	Omayma Said: *Fitting Humans Stories in List Columns Cases From an Online Recruitment Platform*
16:30		
16:40	Tomislav Hengl: *Machine Learning (ranger package) as a framework for spatial and spatiotemporal prediction*	Zuzana Hubnerova: *Asymptotic Powers of Selected ANOVA Tests in Generalized Linear Models*
16:50		
17:00	**Closing remarks**	
17:45		
18:30	**R Ladies Meetup**	
20:30		

Session chairs (Wednesday): Heather Turner, Andrew Collier, Eszter Windhager-Pokol, Andrew Collier, Roger Bivand, Ágnes Salánki, Roger Bivand, Ágnes Salánki