

uRos2026 Programme

Conference Programme

Paris · 18–20 November 2026



PROGRAMME

Wednesday, 18 November 2026 - Tutorial Day

Time	Room 1	Room 2	Room 3
09:00–10:30	Getting Started with Positron: A Next-Generation IDE for Data Science Michonneau François , Dervieux Christophe	Spatial Analysis and Cartography with R Antunez Kim	
10:30–11:00	Coffee break		
11:00–12:30	R in the Age of LLMs: From AI-Assisted Development to Chat-Based Data Applications - I Michonneau François	Mapping Official Statistics with the tmapverse and cols4all Tennekes Martijn	Managing statistical disclosure control from microdata to protected linked tables with rtauargus Ferrer-Pradines Nadège , Desclozure Julien
12:30–13:30	Lunch Break		
13:30–15:00	R in the Age of LLMs: From AI-Assisted Development to Chat-Based Data Applications - II Michonneau François	From Data to Models: Hands-On Machine Learning with R Pérez Bote Adrián , Barragán Andrés Sandra	Working with categorical data and codelists in R Van Der Laan Jan , De Jonge Edwin
15:30–16:00	Coffee break		
16:00–17:30	Opening the Black Box: Interpreting Machine Learning Models with SHAP Values in R Panaiotis Thelma		Tidy Survey Analysis in R: Working with Weights and Sampling Designs for Official Statistics Zimmer Stephanie , Powell Rebecca , Velásquez Isabella

Thursday, 19 November 2026 - Conference Day 1

Time	Room 1	Room 2	Room 3
08:00–09:00	Registration and walk-in		
09:00–09:15	Opening		
09:15–10:15	Keynote: R and Open-Source: A love story Killick Rebecca		
10:15–11:00	EMOS session I (chair: Tina Steenvoorden)		
11:00–11:30	Coffee break		
11:30–13:00	A1 - AI Assistants for Statistical Production	B1 - Reproducible Statistical Production Pipelines	C1 - Automated and Accessible Statistical Publishing
13:00–14:00	Lunch break		
14:00–15:30	A2 - AI, Machine Learning and Intelligent Automation	B2 - Lightning Talks I: Production, Validation and Survey Methods	C2 - Shiny Applications and Statistical Visualisation
15:30–16:00	Coffee break		
16:00–17:30	A3 - Open Source Adoption and the R Community	B3 - Seasonal Adjustment in Official Statistics	C3 - Statistical Disclosure Control and Synthetic Data

EMOS session I

Presentations

- An R Framework for AI-Assisted Questionnaires in Official Statistics: An Application to Financial Literacy Surveys
[Rossi Valeria](#)
- Developing a territorial One Health indicator using R
[Limone Fenicia Carmen](#)
- Long-Term Effects of the Czech National Bank's Exchange-Rate Commitment: A Synthetic Control Approach in R
[Valtr Ondřej](#)

A1

AI Assistants for Statistical Production

- 110 billion euros, one deadline, zero regression: migrating a critical calculation service to R with AI
[Guyader Vincent](#), [De Canteloube Matthieu](#)
- An AI-Powered Analysis Assistant for Large-Scale Official Statistics
[Hauke Oliver](#)
- Large Language Models as Assistants for Time Series Analysis in Official Statistics: Opportunities for Innovation and Capacity Building
[Suzić Jelena](#)
- Scaling Local LLM Coding Assistants for R, Python and SAS in Official Statistics
[Fischer Bernhard](#)
- Using LLM's for automated translation of Excel files and SAS scripts to R
[Jahn Andreas](#)

B1

Reproducible Statistical Production Pipelines

- Modernizing Global Survey Data Processing: Reproducible R Pipelines at the IEA
[Moser-Nussgruber Winfried](#), [Kowolik Kamil](#)
- Integrating Time Series Processing into an Automated Production Workflow in R
[Heidsieck Suzanne](#)
- Spipe: a lightweight workbench for building and monitoring reproducible analytical pipelines in R, illustrated on the GEM Luxembourg production and analysis chain
[Pettinger Maxime](#)
- The {ProduceR} package: streamlining and improving the reliability of statistical production
[Reduron Vincent](#)
- Building an internal package ecosystem for data processing
[Kis Viktoria](#), [Lee Erika](#), [Normandeau Simon](#), [Otavo Peña Sara](#)

C1

Automated and Accessible Statistical Outputs

- Automated Public Science Communication: Building a Bluesky Bot for Real-Time Official Statistics Visualisation with R
[Damien Dupre](#)
- Beyond parametrised reports: Adventures automating country notes at the OECD
[Caldas Rivera Maria Paula](#), [Ilizaliturri López Rodolfo](#)
- From code to print-ready publication: Automating layout at the French Ministry of Justice
[Marsal Adam](#), [Allard Fanny](#)
- Reproducible Statistical Publications with Quarto
[Dervieux Christophe](#)
- From Data Acquisition to Harmonised Outputs: A Reproducible R Workflow for Official Statistics
[Alexandru Ciprian](#)

A2

AI, Machine Learning and Intelligent Automation

- Beyond Use Cases: Modular R Packages for Automated Coding and Data Extraction
[Niederhametner Nina](#), [Vattheuer Eileen](#), [Steiner Marlene](#)
- Bridging R and Python for AI-Driven NLP
[Lykos Georgios](#), [Dimas Spyridon](#), [Panagopoulou Georgia](#), [Vikentios Michail](#)
- Structuring Annual Reports for Official Statistics: A Method for Data Editing Using Large Language Models
[Solveig Bjørkholt](#), [Islam Mousumi Mona](#), [Sarah Torvholm Frøystad](#), [Johansen Odin](#), [Maryam Javed](#)
- A Comparison of Model-Based and Unsupervised Learning Methods for Detecting Scaling Errors in R
[Marcello D'orazio](#), [Faricelli Cristina](#), [Magistro Renato](#)
- Unsupervised Learning Approaches for Identifying Structural Anomalies in European Regional Statistics
[Bogdan Oancea](#)

B2

Lightning Talks I: Production, Validation and Survey Methods

- How many R packages in CRAN do you know?
[Kiener Patrice](#), [Dutang Christophe](#)
- Template and Function: A Tabular Configuration Pattern for Large Scale Operations on Files with Varying Schemas in Official Statistics
[Rakotomalala Daniel](#)
- R you useful for maintaining information systems?
[Mainguené Alice](#)
- {IssueTracker}: Handling Tickets in R
[Barthelemy Tanguy](#)
- From Data to Publication : An Automated R-Based Framework for Consumer Price Index Reporting
[Aoulad Hammou Achou Zineb](#), [Halhal Zakariae](#)
- Facilitating R-Based Statistical Validation Through EZR: A Case Study in Melanoma High-Frequency Ultrasound Assessment
[Chalyy Kyrylo](#), [Hryshchenko Roman](#), [Bogomolets Olga](#), [Stepanenko Viktor](#)
- Manual Rework Volume Monitoring and Forecasting Tool
[Coltier Yves](#)
- Semi-automated editing of large volumes of foreign trade data for the environmental Economy-Wide Material Flow Account
[Campandequi García Gorka](#), [Maestro López Julia](#)

- **VIM::vimpure: A Unified Imputation Engine for Flexible Missing Data Workflows in R**
[Kowarik Alexander](#), [Vattheuer Eileen](#), [Templ Matthias](#), [Gussenbauer Johannes](#), [Niederhametner Nina](#)

- **Sampling Designs and Sample Quality Control: Using Quarto Documents in Agricultural Surveys**
[Levi-Valensin Michael](#)

- **RISQ: Representativity Indicators for Survey Quality**
[Idema Reijer](#)

- **Reproducible Survey-Based Estimation of Household Living Standards in Morocco Using ENNV 2022 Microdata**
[Baabaa Oussama](#)

- **SmartSurveyAgent: A New Approach to Survey Data Collection in Official Statistics**
[Cafieri Simona](#)

C2

Shiny Applications and Statistical Visualisation

- **Rapid Crisis-Oriented Survey Visualization in Official Statistics: Flood Damage in Polish Agriculture Using R**
[Grabarczyk Kamil](#)
- **phsshiny: An R Package for Standardisation and Accessibility in the Publication of Health Data**
[Gribben Ciara](#), [Mccreath Russell](#), [Mcbride Bateman](#)
- **R Shiny Platform for Detecting, Validating, and Reporting River Overflow Periods**
[Movsisyan Vahe](#), [Habet Madoyan](#), [Karapetyan Ina](#)
- **Creating population pyramids in less than 100 lines of code**
[Neutze Michael](#)

A3

Open Source Adoption and the R Community

- **Beyond code: supporting teams through the transition to Open Source**
[Simon Raphael](#), [Biot Vincent](#), [Rigollot Nathalie](#), [Said Meriem](#)
- **From SAS to R, one small step for data production, one giant leap for official statistics**
[Lamarque Pierre](#), [Rousset Clément](#)
- **Towards metrics for awesome software packages: first results**
[Ten Bosch Olav](#), [Van Der Loo Mark](#)
- **What makes the R community unique?**
[Lesur Romain](#)
- **Publishing in the R Journal**
[Van Der Loo Mark](#)

B3

Seasonal Adjustment in Official Statistics

- **Assessing Direct and Indirect Seasonal Adjustment Approaches for Labour Cost Indices: A Serbian Case Study**
[Suzić Jelena](#), [Tokai Melinda](#), [Katić Dunja](#), [Markovic Ana](#)
- **pickmdl3: An R package implementing the X-12-ARIMA pickmdl procedure within the JDemetra+ R framework**
[Jens Kristoffer Haug](#), [Langsrud Øyvind](#), [Seierstad Ane](#), [Jentoft Susie](#), [Hamre Jørn Ivar](#), [Pham Dinh Quang](#)
- **regimeseats: An Adaptive State-Space Extension for TRAMO-SEATS in Official Statistics**
[Amoroso Cheyenne](#), [Aneiros Germán](#), [García-Martos Carolina](#), [Koopman Siem Jan](#), [Vilar José A.](#)
- **The RJDverse Package Suite for Time Series Econometrics in Official Statistics**
[Webel Karsten](#), [Smyk Anna](#)
- **{stlpro}: Seasonal Adjustment with Cross-Validated Filter Selection**
[Ollech Daniel](#)

C3

Statistical Disclosure Control and Synthetic Data

- **A wavelet protection method for publishing maps**
[De Jonge Edwin](#)
- **ckm: an easy application of cell-key method to protect tabular data**
[Ferrer-Pradines Nadège](#), [Desclosure Julien](#), [Lemaire Dimitri](#)
- **Protecting linked tables with non-nested hierarchies: a use case with rtargus**
[Ferrer-Pradines Nadège](#), [Desclosure Julien](#), [Lemaire Dimitri](#)
- **rebalancedNoise: Perturbative Statistical Disclosure Control for Magnitude Tables in R**
[Meindl Bernhard](#)

Friday, 20 November 2026 - Conference Day 2

Time	Room 1	Room 2	Room 3
08:00–09:00	Registration and walk-in		
09:00–10:00	Keynote: Practical AI for Data Science Couch Simon		
10:00–10:50	EMOS session II (chair: Tina Steenvoorden)		
10:50–11:15	Coffee break		
11:15–12:45	A4 - Survey Sampling, Weighting and Variance Estimation	B4 - Social and Economic Applications	C4 - Infrastructure and Tools for Statistical Production
12:45–13:45	Lunch break		
13:45–15:15	A5 - Spatial and Small Area Analysis	B5 - Lightning Talks II: R Tools, Visualisation and Applications	C5 - Imputation and Advanced Statistical Methods
15:15–15:45	Coffee break		
15:45–17:15	A6 - Nowcasting and Time-Series Methods		C6 - Data Integration, Survey Processes and Quality
17:15–17:30	Closing		

EMOS session II

Presentations

- Typology of business ecosystems in European Union countries
[Ulada Dalidovich](#)
- AI, Robotization and Perceived Occupational Displacement across European regions - an R based Spatial Econometrics Analysis
[Petre Vlad-Andrei](#), [Cimpoeru Smaranda](#)
- R-Based Visualization of Continuous-Time Markov Migration Models
[Boukouvala Anna](#), [Tsaklidis George](#)
- Subsampling Non-Response Follow-Up in the Canadian Housing Survey: Comparing the Historical Hansen-Hurwitz Method and Non-Probability Estimation
[Guinhut Thomas](#)

A4

Survey Sampling, Weighting and Variance Estimation

- Calibration of Survey Weights in R: A Comparative Overview of Available Packages
[Szymkowiak Marcin](#), [Wilak Kamil](#)
- Developing an R Package for Sample Weight Estimation
[Osier Guillaume](#), [Lamboray Claude](#)
- samplry: A Tidy Grammar for Survey Sampling Design in R
[Ahmadou Dicko](#)
- Making gustave production-ready: multistage designs, wrapper inspection and estimation diagnostics.
[Delclite Thomas](#)
- weightflow: a declarative, auditable recipe for survey weighting in R
[Ferreira Juan Pablo](#)

B4

Social and Economic Applications

- Behind-the-Scenes Complexity, Clear Insights Up Front: Longitudinal Minimum Income Benefit Analysis in a French Local Authority, from Database to Simple Indicators
[Chosson Elie](#)
- Event-sequence analysis of fertility histories with TraMineR, INDSCAL and DISQUAL
[Morand Elisabeth](#)
- Mental health and social participation: A data-driven analysis using R
[Camelia Maria Dan](#), [Cristina Rodica Boboc](#)
- Reconciling Local and National Demographic Accounts in R
[Ward Daniel](#)

C4

Infrastructure and Tools for Statistical Production

- AccScript: an R-based domain-specific language for reproducible national accounts production
[Taleb Iliass](#)
- DuckDB beyond R: demystifying the analytical database in your toolbox
[Hiverlet Ines](#)
- National Accountant: A Reproducible R-DuckDB Framework for Balancing Supply and Use Tables with Hard and Soft Constraints
[Kocak Necmettin Alpay](#)
- procR: New Features for End-to-End Table Production in Official Statistics
[Saidani Younes](#), [Tran Ngoc-Han](#)
- codelist: working more efficiently with code lists in R
[Van Der Laan Jan](#)

A5

Spatial and Small Area Analysis

- 3D Thematic Mapping in R with tmap v4 and tmap.mapgl
[Tennekes Martijn](#)
- Measuring Spatial Inequalities in University Accessibility Using R and GTFS Data: Evidence from Rome
[D'aniello Armando](#), [Salvucci Gianluigi](#)
- Bayesian Small Area Estimation for Multinomial Health Indicators Using R: An Application to Official Statistics
[Nikolaidis Ioannis](#), [Giakoumatos Stefanos](#)
- Small Area Estimation of Poverty in the Practice of Statistics Poland
[Szymkowiak Marcin](#), [Wilak Kamil](#), [Józefowski Tomasz](#), [Yoshida Nobuo](#)
- Automating Educational Statistics Production Processes Using R and Shiny: A Case Study from Turkish Statistical Institute
[Ozbek Fethi Saban](#)

B5

Lightning Talks II: R Tools, Visualisation and Applications

- Common pitfalls when switching from SAS to R
[Lamarche Pierre](#)
- ILSAmerge and ILSAstats: Two new R packages for international large-scale assessments
[Christiansen Andrés](#)
- {loomer} - A high-performance auxiliary R package for analyzing the Danish Lifelines dataset
[Kashnitsky Ilya](#)
- Further microdata anonymisation tools in R
[Caputi Marco](#)
- Automatic classification of pastoral-use parcels / Classification automatique des parcelles Ã usage pastoral
[Thion Romuald](#)
- Use of R Packages for Cartography: The Case of Road Traffic Accident Statistics in Luxembourg
[Osier Guillaume](#), [Dere Alexi](#), [Bodson Lucile](#)
- Mapping the Gendered Impact of Economic Shocks: A Spatial Analysis of Mancession vs. Shecession across European Regions
[Trascan Andreea-Denisa](#), [Camelia Maria Dan](#)
- One R, Many Stories: R as a Visual Language to Tell a Country's Public Health Narrative
[Bajador Jerico](#)
- Estimating French election results like the pollsters from partial vote counts on election night: a transparent, reproducible R approach based on open public data
[Guinhut Thomas](#), [Delaune Eulalie](#), [Winckell Romain](#)

- The Effects of Skills on Gender Wage Inequality in the Digital Economy
[Petrașcu Gianina-Maria](#), [Trascaș Andreea-Denisa](#)
- Why Do Some Counties Perform Better? Educational Hubs, High-Tech Development and Skills Mismatch in Romania
[Boboc Cristina](#), [Petrașcu Gianina Maria](#)
- The Intellectual Architecture of Artificial Intelligence-Driven Work Transformation: A Large-Scale Scientometric Exploration of Global Research Dynamics
[Barbulescu Ioana](#), [Ciuhu Ana-Maria](#), [Vasile Valentina](#), [Suciu Andrei](#)

C5

Imputation and Advanced Statistical Methods

- Preprocessing Categorical Variables through Edit-Induced Equivalence Classes in ARTIC
[Toti Simona](#), [Filippini Romina](#)
- Aggregating incomplete data: accounting for hierarchical relationships
[Kis Viktoria](#), [Lee Erika](#), [Normandeau Simon](#), [Otavo Peña Sara](#)
- Estimate distributions with fat and skewed tails with the FatTailsR package
[Kiener Patrice](#)
- What's new for time-to-event data in tidymodels
[Frick Hannah](#)

A6

Nowcasting and Time-Series Methods

- An R-Based Nowcasting Dashboard for Industrial Production Index: Comparative Analysis of Classical and Machine Learning Methods
[Dedeoglu Duygu](#), [Sert Osman](#)
- Harvesting Data as Crops Are Harvested : An Automated R Pipeline for Timely Yield Estimates
[Touzani Hanan](#)
- Making Singular Spectrum Analysis More Accessible: A Step-by-Step Framework and R Implementation
[Delaune Eulalie](#)
- Using R to provide a new interface to an old time series program
[Mélard Guy](#)
- KOMA - An R package for Bayesian estimation of simultaneous equation models
[Sarferaz Samad](#), [Scherer Merlin](#)

C6

Data Integration, Survey Processes and Quality

- Linking Administrative Data Without Unique Identifiers: A randomForest Approach in R
[Nölting Christopher](#), [Hajiyev Murad](#)
- postlink: An R Package for Post-Linkage Data Analysis
[Bukke Priyanjali](#), [Kamat Gauri](#), [Cui Jiahao](#), [Gutman Roeel](#), [Slawski Martin](#)
- BuSuCo: A package for business survey coordination
[Straubinger Johannes](#)
- The Survey Fieldwork Digital Twin: An R-Based Early-Warning System for Mixed-Mode Official Statistics
[Resulbegović Hakile](#), [Čađenović Vuk](#)
- The Metadata Quality Assistant (MQA): an R/Shiny prototype for supporting the preparation of SIMS quality reports
[Spiliopoulou Vasiliki](#), [Pierrakou Christina](#), [Molfetas Konstantinos](#)