

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 Cetinkaya-Rundel Mine, Dervieux Christophe	Spatial Analysis and Cartography with R Antunez Kim	Analyzing Revisions in Official Time Series with the R Package reviser Wegmüller Philipp
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 rtuargus Ferrer-Pradines Nadège, Desclodure 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		
09:00–09:30	Opening		
09:30–10:30	Keynote: R and Open-Source: A love story Rebecca Killick		
10:30–11:00	Coffee break		
11:00–12:30	A1 - AI Assistants for Statistical Production	B1 - Reproducible Statistical Production Pipelines	C1 - Automated and Accessible Statistical Publishing
12:30–14:00	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 - Infrastructure and Tools for Statistical Production	C3 - Statistical Disclosure Control and Synthetic Data

A1

AI Assistants for Statistical Production

- 110 billion euros, one deadline, zero regression: migrating a critical calculation service to R with AI
Guyader Vincent
- 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
- 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

C1

Automated and Accessible Statistical Publishing

- 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
- From code to print-ready publication: Automating layout at the French Ministry of Justice
Marsal Adam
- From R Markdown to Accessible PDF: Building Tagged Word Documents and Templates for Official Statistics Publications
Dominik Ernst
- Reproducible Statistical Publications with Quarto
Dervieux Christophe

A2

AI, Machine Learning and Intelligent Automation

- Beyond Use Cases: Modular R Packages for Automated Coding and Data Extraction
Niederhametner Nina
- Bridging R and Python for AI-Driven NLP
Lykos Georgios
- Structuring Annual Reports for Official Statistics: A Method for Data Editing Using Large Language Models
Bjørkholt Solveig
- A Comparison of Model-Based and Unsupervised Learning Methods for Detecting Scaling Errors in R
Marcello D'orazio
- Unsupervised Learning Approaches for Identifying Structural Anomalies in European Regional Statistics
Bogdan Oancea

B2

Lightning Talks I: Production, Validation and Survey Methods

- Common pitfalls when switching from SAS to R
Lamarche Pierre
- Automating Granular Data Pipelines with R: A Case Study from a Central Banking Context
Kaya Ibrahim Cagan
- 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
- {IssueTrackerR}: Handling Tickets in R
Barthelemy Tanguy
- From Data to Publication : An Automated R-Based Framework for Consumer Price Index Reporting
Aoulad Hammou Achou Zineb
- Metadata-driven validation across the statistical production process using R
Konradsdottir Ragnhildur
- Facilitating R-Based Statistical Validation Through EZR: A Case Study in Melanoma High-Frequency Ultrasound Assessment
Chalyy Kyrlo
- 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
Campandegui García Gorka
- VIM::vimpute: A Unified Imputation Engine for Flexible Missing Data Workflows in R
Kowarik Alexander
- 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
- Public-Facing Shiny Apps at Statistik Austria: Corporate Design, Accessibility, and Secure Deployment by Design
Seewann Lena
- R Shiny Platform for Detecting, Validating, and Reporting River Overflow Periods
Movsisyan Vahe, Habet Madoyan
- 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
- From SAS to R, one small step for data production, on giant leap for official statistics
Lamarche Pierre
- Towards metrics for awesome software packages: first results
Ten Bosch Olav
- What makes the R community unique?
Lesur Romain
- Publishing in the R Journal
Van Der Loo Mark

B3

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 Assoc. Prof. Necmettin Alpay
- procR: New Features for End-to-End Table Production in Official Statistics
Saidani Younes
- codelist: working more efficiently with code lists in R
Van Der Laan Jan

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
- Protecting linked tables with non-nested hierarchies: a use case with rtuargus
Ferrer-Pradines Nadège
- rebalancedNoise: Perturbative Statistical Disclosure Control for Magnitude Tables in R
Meindl Bernhard
- An Open-Source R Framework for Systematic Optimization of Synthetic Data Production
Calian Violeta

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 Simon Couch		
10:00–10:45	EMOS presentations		
10:45–11:15	Coffee break		
11:15–12:45	A4 - Spatial and Small Area Analysis	B4 - Social and Economic Applications	C4 - Record Linkage and Population Registers
12:45–13:45	Lunch break		
13:45–15:15	A5 - Survey Sampling, Weighting and Variance Estimation	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	B6 - Survey Quality, Metadata and Fieldwork	C6 - Seasonal Adjustment in Official Statistics
17:15–17:30	Closing		

A4

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
- Bayesian Small Area Estimation for Multinomial Health Indicators Using R: An Application to Official Statistics
Nikolaidis Ioannis
- Small Area Estimation of Poverty in the Practice of Statistics Poland
Szymkowiak Marcin
- Automating Educational Statistics Production Processes Using R and Shiny: A Case Study from Turkish Statistical Institute
Ozbek Fethi Saban

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
- Measurement and Determinants of Multidimensional Poverty of Fishers and Farmers in the Philippines Using 2024 CBMS Data
Giray Evette
- Reproducible Machine Learning with Tidymodels for NHL Draft Prediction
Lochner Tobias

C4

Record Linkage and Population Registers

- Building a register-based resident population from administrative data with R
Danek Zofia
- Linking Administrative Data Without Unique Identifiers: A randomForest Approach in R
Nölting Christopher
- postlink: An R Package for Post-Linkage Data Analysis
Bukke Priyanjali
- Probabilistic Record Linkage with the automatedRecLin R package
Struzik Adam
- Reconciling Local and National Demographic Accounts in R
Ward Daniel

A5

Survey Sampling, Weighting and Variance Estimation

- Calibration of Survey Weights in R: A Comparative Overview of Available Packages
Szymkowiak Marcin
- Developing an R Package for Sample Weight Estimation
Osier Guillaume
- samplr: 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

B5

Lightning Talks II: R Tools, Visualisation and Applications

- Who owns R?

Porsman Maria

- How many R packages in CRAN do you know?
Kiener Patrice
- ILSAmerge and ILSAstats: Two new R packages for international large-scale assessments
Christiansen Andrés
- Rrepest: An Analyzer of International Large Scale Assessments in Education
Ilizaliturri López Rodolfo
- {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
- Mapping the Gendered Impact of Economic Shocks: A Spatial Analysis of Mancession vs. Shecession across European Regions
Trascan Andreea-Denisa
- 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
- The Effects of Skills on Gender Wage Inequality in the Digital Economy
Petraşcu Gianina-Maria
- Why Do Some Counties Perform Better? Educational Hubs, High-Tech Development and Skills Mismatch in Romania
Boboc Cristina
- Understanding International Remittance Flows: A Comparative Analysis Across Distinct Corridors Using Hybrid Machine Learning Methodologies
Zhang Jing
- The Intellectual Architecture of Artificial Intelligence-Driven Work Transformation: A Large-Scale Scientometric Exploration of Global Research Dynamics
Ciuhu Ana-Maria

C5

Imputation and Advanced Statistical Methods

- MRimputation: An R Package for Multiply Robust Imputation
Czerniawska Aniela
- Preprocessing Categorical Variables through Edit-Induced Equivalence Classes in ARTIC
Toti Simona
- Aggregating incomplete data: accounting for hierarchical relationships
Kis Viktoria
- 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
- 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
Scherer Merlin

B6

Survey Quality, Metadata and Fieldwork

- BuSuCo: A package for business survey coordination
Straubinger Johannes
- A Psychometric Approach of Eurostat Business and Consumer Survey: Reliability, Factor Structure and Item Response Theory Analysis using R
Sandu Mihaela Cornelia
- Predicting Response in Official Mixed-Mode Household Surveys: A Machine Learning Approach
Succi Raffaella
- The Survey Fieldwork Digital Twin: An R-Based Early-Warning System for Mixed-Mode Official Statistics
Resulbegoviq Hakile
- The Metadata Quality Assistant (MQA): an R/Shiny prototype for supporting the preparation of SIMS quality reports
Spiliopoulou Vasiliki

C6

Seasonal Adjustment in Official Statistics

- Assessing Direct and Indirect Seasonal Adjustment Approaches for Labour Cost Indices: A Serbian Case Study
Suzić Jelena
- pickmdl3: An R package implementing the X-12-ARIMA pickmdl procedure within the JDemetra+ R framework
Jens Kristoffer Haug
- regimeseats: An Adaptive State-Space Extension for TRAMO-SEATS in Official Statistics
Amoroso Cheyenne
- The RJDverse Package Suite for Time Series Econometrics in Official Statistics
Webel Karsten
- {stlpro}: Seasonal Adjustment with Cross-Validated Filter Selection
Ollech Daniel