

# Editorial

*by Simon Urbanek*

On behalf of the editorial board, I am pleased to present Volume 15 Issue 2 of the R Journal.

Behind the scenes, several people assist with the journal operations. Mitchell O'Hara-Wild continues to work on infrastructure, H. Sherry Zhang continues to develop the [rjtools](#) package under the direction of Professor Dianne Cook. In addition, articles in this issue have been carefully copy edited by Adam Bartonicek and Chase Robertson.

## 0.1 In this issue

This issue features 18 contributed research articles the majority of which relate to R packages on a diverse range of topics. All packages are available on CRAN. Supplementary material with fully reproducible code is available for download from the Journal website. Topics covered in this issue are

### Graphics and Visualisation

- [langevitour](#): smooth interactive touring of high dimensions, demonstrated with scRNA-Seq data
- [ggdensity](#): Improved Bivariate Density Visualization in R
- [Taking the Scenic Route](#): Interactive and Performant Tour Animations
- [vivid](#): An R package for Variable Importance and Variable Interactions Displays for Machine Learning Models

### Multivariate Statistics

- [Generalized Estimating Equations](#) using the package [glmtoolbox](#)
- [genpathmox](#): An R Package to Tackle Numerous Categorical Variables and Heterogeneity in Partial Least Squares Structural Equation Modeling

### Bayesian Inference

- [bqror](#): An R package for Bayesian Quantile Regression in Ordinal Models
- A framework for estimating and visualising excess mortality during the COVID-19 pandemic

### Social Sciences

- [PINstimation](#): An R Package for Estimating Models of Probability of Informed Trading
- [mutualinf](#): An R Package for Computing and Decomposing the Mutual Information Index of Segregation
- [Three-way Correspondence Analysis](#) in R
- [Difficult Choices?](#) Estimating Heteroskedastic and Instrumental Variable Models for Binary Dependent Variables in R

### Mixture Models and Optimization

- [nlstac](#): Non-gradient Separable Nonlinear Least Squares Fitting
- [Univariate Gaussian mixtures](#) in R

### Clustering and Graphs

- Identifying Counterfactual Queries with the R package cfid
- clustAnalytics: An R Package for Assessing Stability and Significance of Clusters in Networks

### Other

- hydrotoolbox: a Package for Hydrometeorological Data Management
- EviewsR: an R Package for Dynamic and Reproducible Research Using EViews, R, R Markdown and Quarto

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