# Fifteen years of the R Journal



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## Contents



- ► Some History and Statistics
- Who we are, and how we work
  - Including tips for authors!
- Outlook



# Some history



| 2001-2008 | R News                 |
|-----------|------------------------|
| 2009      | 1st issue of R Journal |
| 2013      | 100th paper published  |
| 2021      | Associate editors      |
| 2022      | HTML and pdf           |

- Free Access
- No publication cost
- Run by volunteers

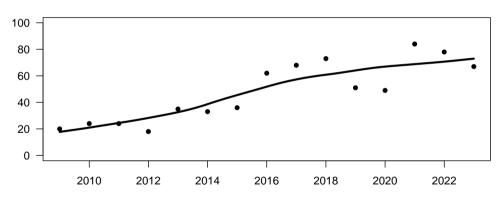




# 700+ papers published over 34 issues



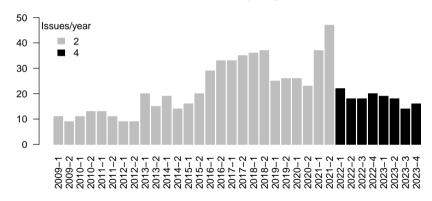
## The R Journal: Published Papers per Year



# Since 2022: 4 issues/year



### The R Journal: Papers per Issue



ICESVII 2024



# The organization







### The editorial team





### Associate Editors

Rafael de Andrade Moral, Maynooth University, Ireland; Vincent Arel-Bundock, University of Montreal, Canada; Raamus Båäth, Lund University, Sweden, Przemet Biecek, University of Warsaw, Poland; Chris Brunsdon, Maynooth University, Ireland; Kevin Burke, University of Limerick, Ireland; Mine Cetinkaya-Rundel, Duke University, USA; Atlagrad, Duke University, USA; Atlagrad, Down Onlipa, Maynooth University, Ireland; Isabella Gollini, University College Dublin, Ireland; Michael Kane, Yale University, USA; Adam Loy, Carleton College, USA; Nicholas Terney, Teleton Kolks, Australia; Susawa Yanderplas, University of Nebraska, Lincoln, USA; Emily Zabor, The Cleveland Clinic and Tassig Cancer Institute, USA; Lucy D'Agostino McGowan, Wake Forest University, USA; Andra Loy, Behand pulniversity, Chrisu; Crustal Laa, BOXU Vernan, Austria, Mathias Templ, University, Orizo, Pusabu, Alaria, Mathias Templ, University of Varia, Finland; Christoph Sax, Cyrkar, Switzerland; Romain Lesur, INSEE, France; Jouni Helske, University of Ireland; Finland; Christoph Sax, Cyrkar, Switzerland; Romain Lesur, INSEE, France; Jouni Helske, University of Sri Jayewardenepura, Sri Lanka; Xiaoqian Wang, Monash University, Australia; Thiyanga Talagala, University of Sri Jayewardenepura, Sri Lanka; Xiaoqian Wang, Monash University, Australia; Ivan Svetunkov, Lancaster University, (K.; Wenjie Wang, El Liliv and Comann, USA



# Affiliations of Associate and Executive Editors







### How we work



### Editor in Chief

- Is also an executive editor
- Building journal issues
- Organisation (AE/EE meetings, etc.)

### **Executive Editors**

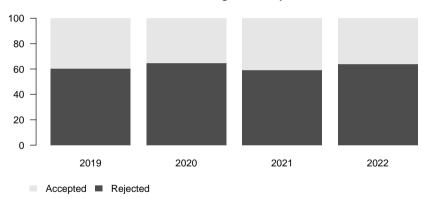
- Decide if a submission is fit for review
- ► Have it reviewed (via AE, or by themselves)
- ▶ Take editorial decision (accept/major/minor/reject)

### Associate Editors

- ► Have papers reviewed (assigned by their expertise)
- Advise decision to Executive editor



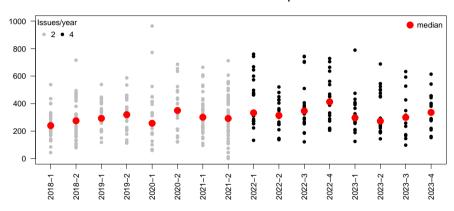
### The R Journal: Percentage of Accepted Submissions





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### The R Journal: Time to Acceptance





# This paper got accepted 148 days before submission\*



### CopulaCenR: Copula based Regression Models for Bivariate Censored Data in R by Tao Sun and Yine Dine

Abstract Microsists time-to-except data frequently arise in manageh areas such as clinical trials and epidemiological studies, where the occurrence of two events are correlated. In many cases, the equatemotigate trades, where the occurrence of the events are consistent. In many cases, the marein dependence are modeled separately. This article presents the B package CopyalaCopE, which is designed for modeling and testing bivariate data under right or (general) interval consoring in a regression setting. It provides a variety of Archimedean copula functions including a flexible two-nammeter consula and different types of persession models (parametric and semiparametric) recovered contemporation is based on a royed househop algorithm. For the regression parameters, three

### Introduction

Bivariate data arise frequently in many research areas such as health, epidemiology, and economics. diseases (e.g., eye diseases) or complex diseases (e.g., careor and psychiatric disorders). The two events are correlated as they come from the same subject. In many situations, the two event times cannot be precisely observed. leading to bivariate concepts data. Specifically, bivariate right-consend data comes from a clinical shady assessing the treatment effect on preventing blindness in Diabetic Retinopathy patients where each patient had one eye randomized to the treatment and the other omeoned. We will illustrate the analysis of this shafe in Section 2.4. In another situation, bivariate assessment times. In this case, the right convenies could also burners if the event still does not occur at is only one assessment time and the event is only known to occur or not by its assessment time. An example of bivariate interval-convored data will be demonstrated in Section 3.4. which came from a (AMD), where the representation time to late AMD are interval or right concept (AEED) Green, 1993. More examples can be found in books Housaard (2000) and Sun (2007)

The development of our markage is motivated by researches that are interested in (1) discovering the joint and conditional risks of two counts. For the bicuriate events, the joint and conditional the joint 5-year neversation from neobability for both costs below identify national with a bigh risk of recommuned invovides important information for both clinicians and the nations since nations with both eyes progressed to the late stage of the disease may lose the ability to live indecessively

There are three major approaches to fit regression models for bivariate consoned data. The simplest (for example, Wei et al., 1989). This arresports takes a working independence assumption, and (not example, we it it, 1999). It is approach takes a worting independence assumption, and thus cannot generate joint or conditional distributions. The second approach is based on fully models (for example, Online, 1993), which are essentially mixed effects models and account for the dependence between two events by a latent frailty variable. However, the covariate effects in the dependence between two events by a tasent trainty variable. However, the covariate effects in fraility models are usually interpreted on a conditional level (by conditioning on the fraility term). which is not straightforward. The third approach is to use corolls models (for example, Clarico. 1979). Unlike the marginal or frailty approaches, the copula approach models the joint survival demandance parameterial allowing flexibility in marrinal models and straightforward intermediation

The R Journal Vol. 12/1. June 2020



\*According to the administration :-)

# Getting reviewed

## Prepare your submission carefully

- Use the rjtools package.
- ► Make sure the code runs(!)
- All code must be open source, also code you depend on for your paper
- Package?
  - Publish on CRAN or BioConductor
  - Write proper vignettes
  - A decent set of unit test
  - Decent code quality

## And obviously (but we have encountered this)

- ► The paper must be original
- The topic must be related to R



# Passing the review

## **Paper**

- Write for a broad audience; avoid unexplained jargon.
- Focus on the contribution to R (we are not a methodology journal)
- Compare with related work, and define the novelty

# Package (if any)

- Usability:
  - clear and user-friendly workflow?
  - well-written and user-oriented documentation?
- Code:
  - obvious edge cases covered?
  - could functions/interfaces be improved?
  - code well-organized and understandable?



# Things we like to see more of

- ► Studies on R/Software community
- ► Topical reviews
- Trends or methods in R coding
- CRAN-studies



Become an RJ reviewer



# Thank you



```
rj |> sort() |> paste(collapse=", ") |> strwrap(80) |> paste(collapse="\n") |> cat()
```



Adam Loy, Beth Atkinson, Bettina Grün, Bill Venables, Catherine Hurley, Chris Brunsdon, Christoph Sax, Deepayan Sarkar, Dianne Cook, Doublas Bates, Earo Wang, Elizabeth Sweeney, Emi Tanaka, Emily Zabor, Fritz Leisch, G. Jay Kerns, Gabriela de Quiroz, Hadley Wickham, Heather Turner, Henrik Bengtssen, Isabella Gollini, Ivan Svetunkov, John Fox, John Verzani, Jouni Helske, Katarina Domijan, Kevin Burke, Kieran Healy, Kurt Hornik, Louis Aslett, Lucy D'Agostino McGowan, Mark van der Loo, Martyn Plummer, Matthias Templ, Michael Kane, Michael Lawrence, Mine Çetinkaya-Rundel, Nicholas Tierney, Norman Matloff, Paul Murrel, Peter Dalgaard, Priyanga Dilini Talagala, Przemek Biecek, Rafael de Andrade Moral, Rasmus Bååth, Rebecca Killick, Roger Bivand, Romain Lesur, Simon Urbanek, Simone Blomberg, Susan Vanderplas, Thiyanga Talagala, Thomas Fung, Thomas Lumley, Torsten Hothorn, Ursula Laa, Uwe Ligges, Vince Carey, Vincent Arel-Bundock, Wenjie Wang, Xiaoqian Wang, Xiaoyue Cheng, Yanfei Kang



Slides

