

pkgreviewr

supporting rOpenSci package reviews through *guidance, automation and templating*



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rOpenSci software review

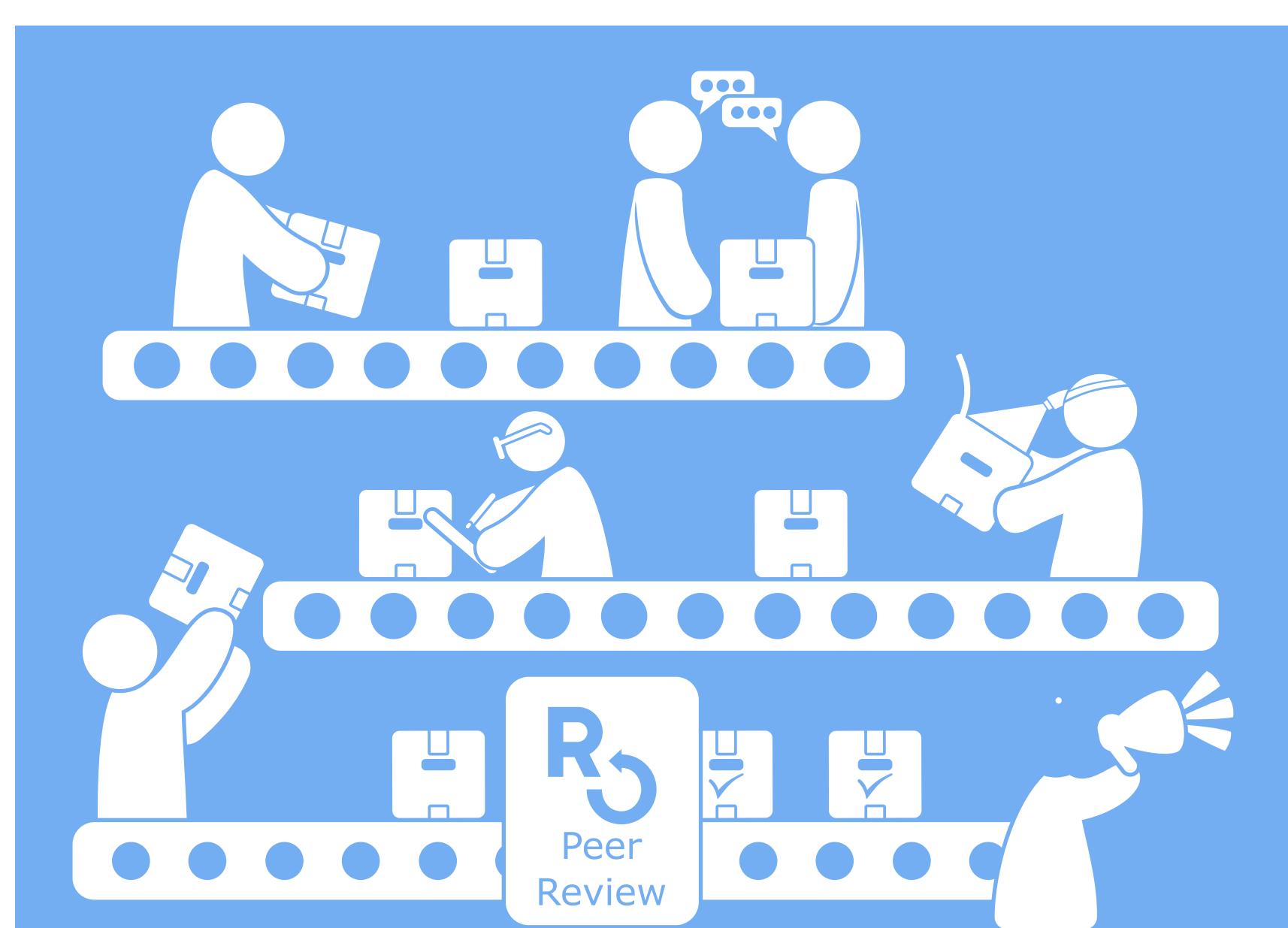
rOpenSci curate R software to help scientists access, download, manage, and archive scientific data in open, reproducible ways.

Q: How do we...

- Ensure the quality of code written by scientists without formal training in software development practices?
- Drive adoption of best practices among our contributors?
- Create a community that would support each other?

A: Through Open Peer Review!

<https://github.com/ropensci/software-review>



pkgreviewr

R package to help guide the review process through automation and templating.

<https://github.com/ropenscilabs/pkgreviewr>

Install package

```
remotes::install_github("ropenscilabs/pkgreviewr")
```

Initialise review

```
pkgreviewr::pkgreview_create(  
  pkg_repo = "AntonelliLab/outsider",  
  review_parent = "~/Documents/reviews/")
```

```
cloning into 'var/folders/8p/87cqdx2s34vfvcgh0416z72w000gn/T/  
RtmpFQv2Iv/pkgreviewr_prep/outsider'...  
Receiving objects: 100% (2379/2379), 1493 kb, done.  
✓ Package source cloned successfully  
✓ pkg_dir written out successfully  
✓ review project 'outsider-review' initialised successfully  
✓ Initialising Git repo  
✓ Adding files and committing  
✓ review_dir written out successfully
```

pkgreviewr_create() actions:

- Clones 📦 source code
- Initialises Review project:

```
└── outsider [20 entries exceeds filelimit]  
    └── outsider-review  
        ├── README.md  
        ├── index.Rmd  
        ├── outsider-review.Rproj  
        └── review.md
```

Anatomy of a review project

- **index.Rmd**: interactive parametrised workbook prepopulated with major steps required to complete the review.
- **pkgreview.rmd**: up-to-date review response template to submit to the package rOpenSci software review issue.
- **README.md**: prepopulated review repo README.

index.Rmd

```
index.Rmd
```

```
24 # outsider - package review  
25 ## **Reviewer:** [AnnaKrystalli](https://github.com/annakrystalli)  
26  
27 *** Review Submitted:  
28   r cat(sprintf("Last updated: %s", Sys.Date()))  
29 ***  
30 ***  
31 ***  
32 ***  
33 ***  
34 ***  
35 This report contains documents associated with the review of ***rOpenSci*** submitted package:  
36 *** **outider**: ropensci/software-review** issue [#282](https://github.com/ropensci/onboarding/issues/282).  
37 ***  
38 ***  
39 ***  
40 ***  
41 ## Package info  
42 ***  
43 ***Description***  
44 ***  
45 Install and run external command-line programs in R through use of 'Docker' https://www.docker.com/ and online repositories.  
46  
47 ***Author***: r person('Dom', 'Bennett', role = c('aut', 'cre'),  
48   email = 'dominic.john.bennett@gmail.com',  
49   comment = c(CRORCID = '0000-0003-2722-1359'))  
50 ***  
51 ***  
52 ***Repo url***: <https://antonellilab.github.io/outsider>  
53 ***  
54 ***Website url***: <https://antonellilab.github.io/outsider>  
55 ***  
56 ## Review info  
57 ***  
58 ***  
59 ***See [Reviewer guidelines](https://ropensci.github.io/dev_guide/reviewerguide.html) for further information on the  
rOpenSci review process.  
60 ***  
61 ## Key review checks:  
62 ***  
63 - Does the code comply with *General Guidelines in the RStudio review  
   guide* (https://oxolioncience.github.io/codeReview/review.html)?  
64 - Does the package *Copy* with the [rOpenSci packaging guide] (https://ropensci.github.io/dev\_guide/building.html)?  
65 - Are there *Improvements* that could be made to the style?  
66 - Are there *User Interface Improvements* that could be reduced?  
67 - Are there *User Interface Improvements* that could be made?  
68 - Are there *Performance Improvements* that could be made?  
69 - Are there *Documentation* issues? See the [rOpenSci documentation] (https://ropensci.github.io/dev\_guide/documentation) (Installation  
instructions/vignettes/examples/demo) *Clear and sufficient*?  
70 ***  
71 Please be respectful and kind to the authors in your review. The rOpenSci 'Code of  
conduct' (https://ropensci.github.io/dev\_guide/policies.html#code-of-conduct) is mandatory for everyone involved in our review  
process.  
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75 ***Session info  
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86 ***  
87 ***Test installation  
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```

pkgreviewr for editors

Initialise editorial checks

Before going to review, packages need to pass initial editor's checks. **pkgreviewr** can help!

```
pkgreviewr::pkgreview_create(  
  pkg_repo = "AntonelliLab/outsider",  
  review_parent = "~/Documents/editorials/",  
  template = "editor",  
  issue_no = 282)
```

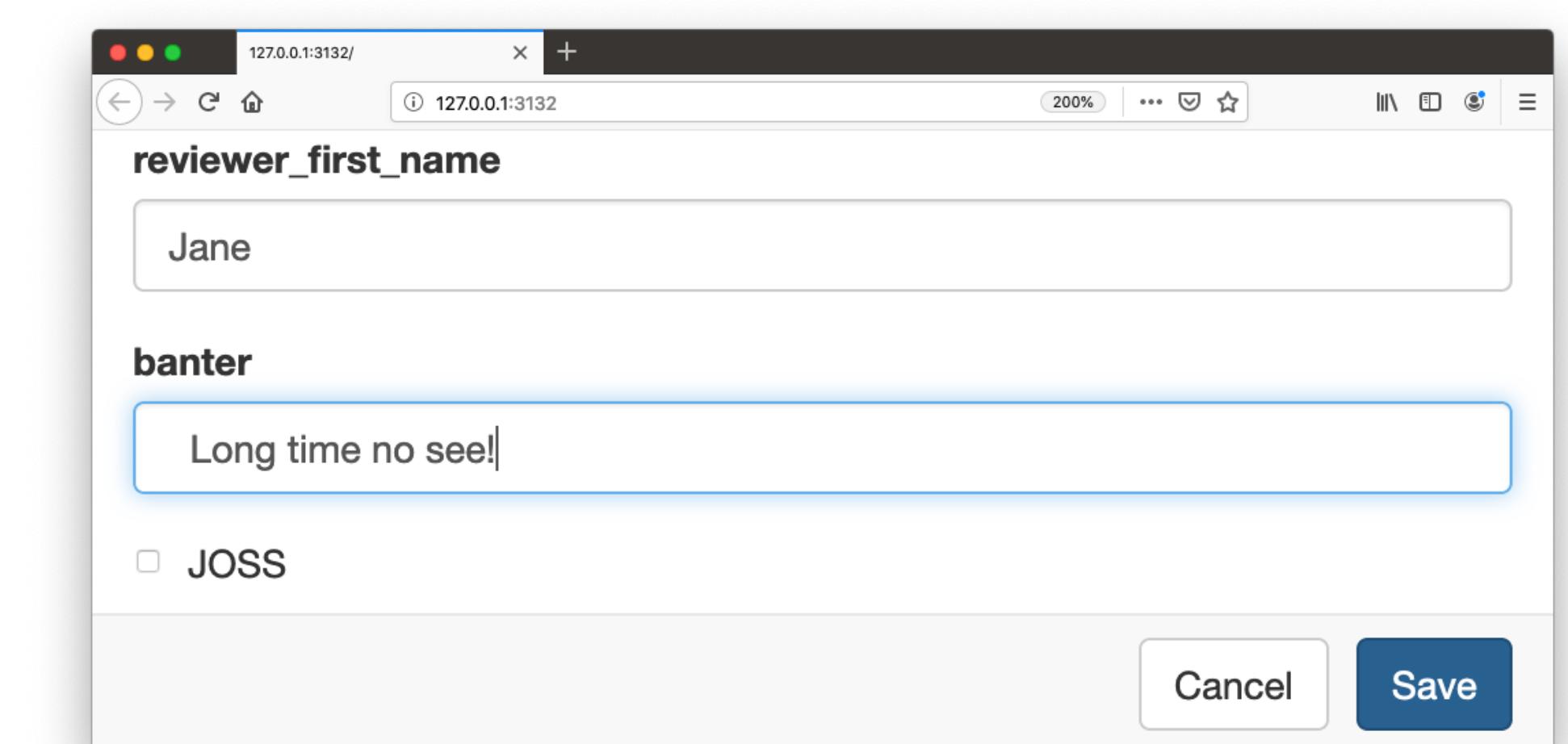
```
└── editor.md  
    └── index.Rmd  
        └── outsider-editor.Rproj  
            └── request.Rmd
```

Invite reviewers

Next stage is to find reviewers. **pkgreviewr** provides functionality for generating prepopulated invitations to review, ready to email out!

```
pkgreviewr::render_request()
```

Loading required package: shiny
Listening on http://127.0.0.1:3132



processing file: request.Rmd

|.....| 100%

inline R code fragments

Output created: request.html

