

# pkgreviewr

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



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## rOpenSci software review

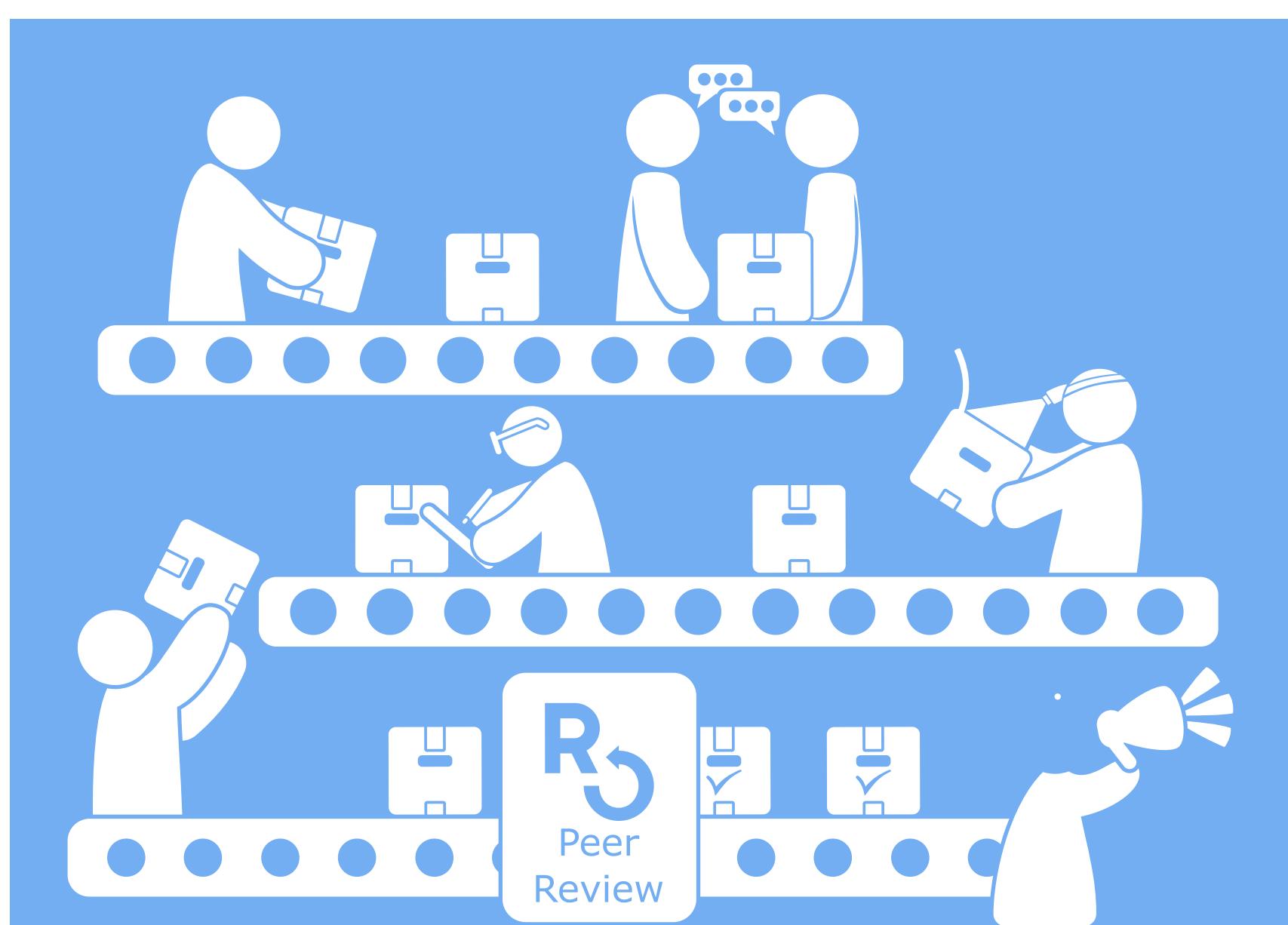
rOpenSci curate software to help scientists access, download, manage, and archive scientific data in open, reproducible ways.

### 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

Helps guide the review process through automation and templating.

### 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/87cqdx2s34fvvcgh0416z72w0000gn/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.md**: 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 ## *Review Submitted*: 2023-01-10 10:00:00  
27 ## *Review ID*: 282  
28 *** Review Submitted:  
29   r catSprintf("Last updated: %s", Sys.Date())  
30 ***  
31 ***  
32 ***  
33 <br>  
34 ***  
35 This report contains documents associated with the review of ***rOpenSci*** submitted package:  
36 *** outsider : 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  
46 'Docker' https://www.docker.com/ and online repositories.  
47 ***  
48 ***Author***: r person(Dom, "Bennett", role = c("aut", "cre"),  
49   email = "dominic.john.bennett@gmail.com",  
50   comment = c(CRORCID = "0000-0003-2722-1359"))  
51 ***  
52 ***Repo url***: <a href="https://antonellilab.github.io/outsider">https://antonellilab.github.io/outsider</a>  
53 ***  
54 *** Website url***: <a href="https://antonellilab.github.io/outsider">https://antonellilab.github.io/outsider</a>  
55 ***  
56 ## Review info  
57 ***  
58 ***  
59 *** See [Reviewer guidelines](https://ropensci.github.io/dev_guide/reviewerguide.html) for further information on the  
60 rOpenSci review process.  
61 ***  
62 *** Key review checks***  
63 ***  
64 Does the code comply with *General Guidelines in the RStudio review  
65 guide* (https://oxolioncience.github.io/codeReview/review.html)?  
66 - Does the package *Copy* with the [rOpenSci packaging guide] (https://ropensci.github.io/dev\_guide/building.html)?  
67 - Are there *Improvements* that could be made to the style?  
68 - Are there *User Interface Improvements* that could be reduced?  
69 - Are there *Performance Improvements* that could be made?  
70 - Are there *Documentation* issues? See the [rOpenSci documentation] (https://ropensci.github.io/dev\_guide/documentation) (Installation  
instructions/vignettes/examples/demo) *Clear and sufficient*?  
71 ***  
72 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.  
73 ***  
74 ***  
75 *** session info  
76 ***  
77 ***  
78 *** (r sessionInfo)  
sessionInfo()  
79 ***  
80 ***  
81 ***  
82 ***  
83 *** (r pkg_dir, echo = F)  
84 pkg_dir <- "~/Users/Anna/Documents/workflows/rOpenSci/reviews/outsider"  
85 ***  
86 ***  
87 ## Test installation  
88 ***  
89 *** test local outsider install:  
90 ***  
91 *** (r test-local)  
install(pkg_dir, dependencies = T, build_vignettes = T)  
92 ***  
93 ***  
94 ***  
95 *** (r github-repo)  
remove.packages("outsider")  
96 ***  
97 ***  
98 ***  
99 ***  
100 <-- record comments on local install here -->  
101 ***  
102 ***  
103 ***  
104 *** test install of 'outsider' from GitHub with:  
105 *** (r test-github)  
devtools::install_github("AntonelliLab/outsider", dependencies = T, build_vignettes = T)  
106 ***  
107 ***  
108 ***  
109 ***  
110 ***  
111 ***  
112 <-- record comments on github install here -->  
113 ***  
114 ***  
115 ***  
116 ***  
117 ***  
118 *** Check package integrity  
119 ***  
120 *** run checks on 'outsider' source:  
121 ***  
122 *** (r check-checks)  
devtools::check(pkg_dir)  
123 ***  
124 ***  
125 ***  
126 ***  
127 ***  
128 <-- record comments on checks here -->  
129 ***  
130 ***  
131 ***  
132 *** run tests on 'outsider' source:  
133 ***  
134 *** (r check-tests)  
devtools::test(pkg_dir)  
135 ***  
136 ***  
137 ***  
138 <-- record comments on tests here -->  
139 ***  
140 ***  
141 ***  
142 ***  
143 *** check 'outsider' for goodpractice:  
144 ***  
145 *** (r test-goodpractice)  
146 goodpractice::gp(pkg_dir)  
147 ***
```

## 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)
```

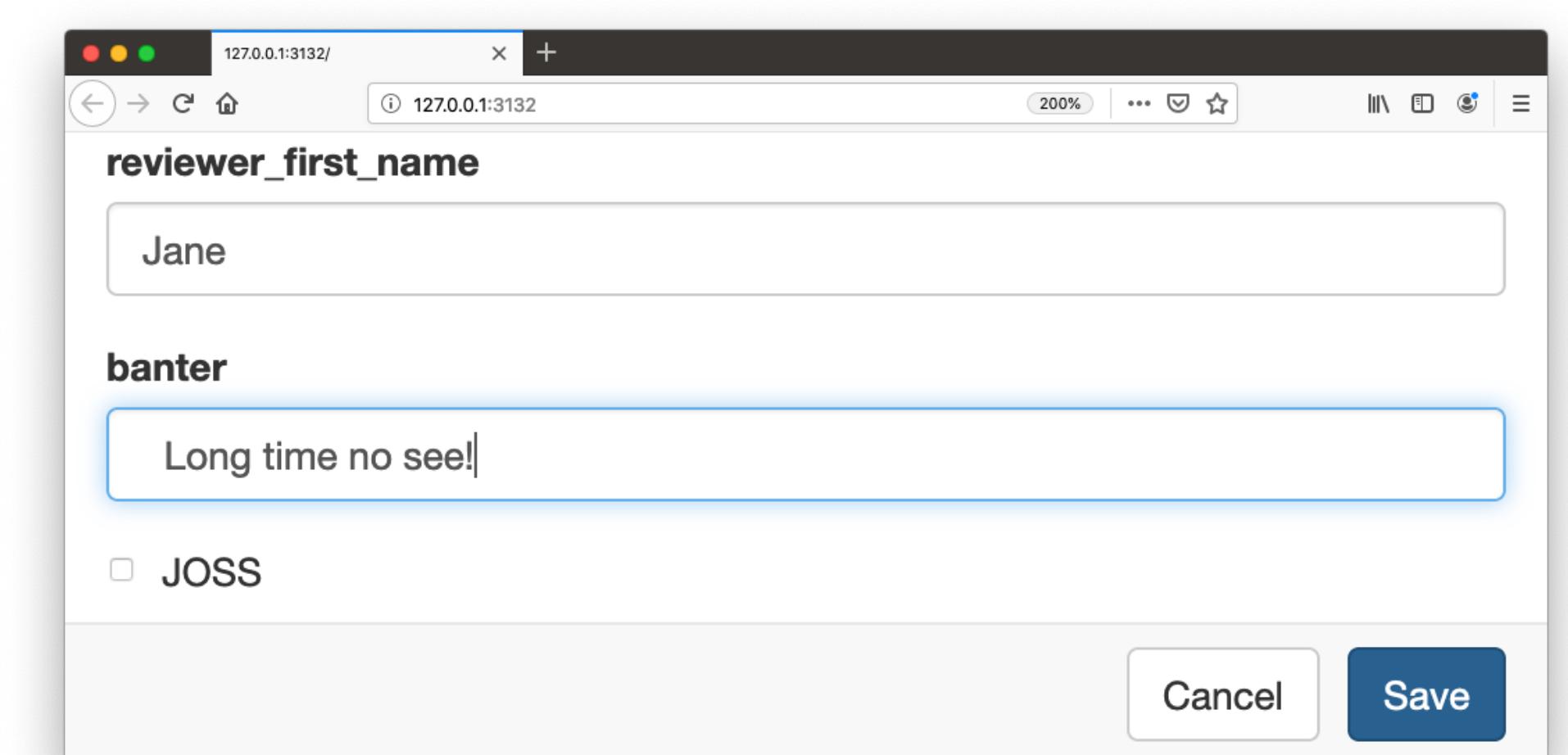
```
└── editor.md  
  └── index.Rmd  
    └── outsider-editor.Rproj  
      └── request.Rmd
```

### Invite reviewers

Next stage is to find reviewers. `pkgreviewr` provides functionality for generating prepopulated invitations to review.

```
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

