

pkgreviewr

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



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rOpenSci software review

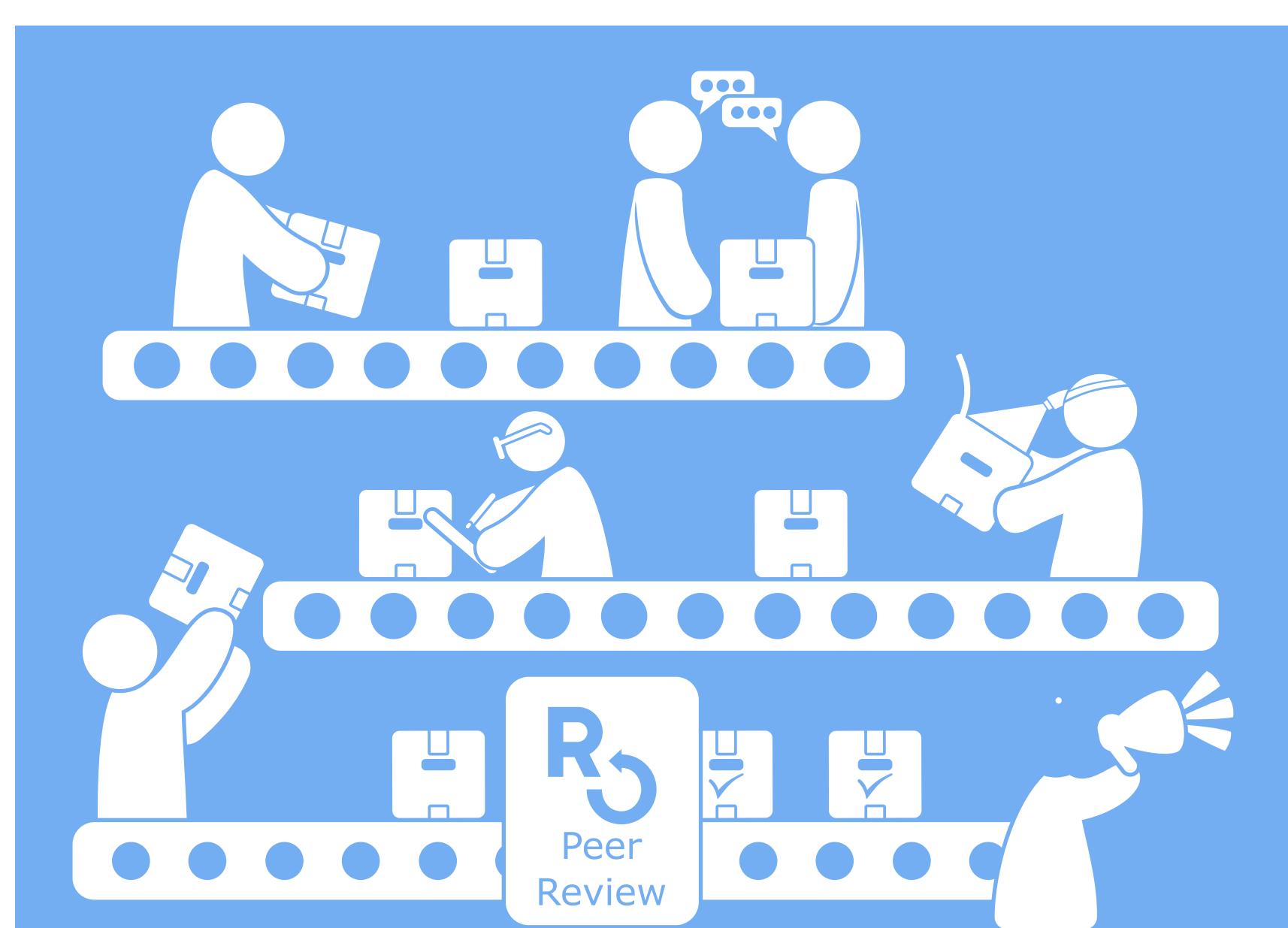
rOpenSci curate R software to help scientists access, download, manage, and archive scientific data in open, reproducible ways.

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 ## Review Submitted:  
27 ## r catSprint("Last updated: %s", Sys.Date())  
28 ##  
29 ##  
30 ##  
31 ##  
32 ##  
33 ##  
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 '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 ## Repo url: <https://antonellilab.github.io/outsider>  
52 ##  
53 ## Website url: <https://antonellilab.github.io/outsider>  
54 ##  
55 ## Review info  
56 ##  
57 ##  
58 ## See [Reviewer guidelines](https://ropensci.github.io/dev_guide/reviewerguide.html) for further information on the  
## rOpenSci review process.  
59 ##  
60 ## Key review checks:  
61 ##  
62 ## Run the code copy with *General Guidelines in the RStudio viewing  
## guide* (https://excellencetech.github.io/codeReview/review.html)**  
63 ## Does the package *Copy* with the [rOpenSci packaging guide] (https://ropensci.github.io/dev\_guide/building.html)**  
64 ## Are there *Improvements* that could be made to the style?**  
65 ## Are there *User Interface Improvements* that could be reduced?  
66 ## Are there *User Interface Improvements* that could be made?  
67 ## Are there *Performance Improvements* that could be made?  
68 ## Are there *Documentation* issues? See the [rOpenSci documentation] (https://ropensci.github.io/dev\_guide/documentation) (Installation  
instructions/vignettes/examples/demo) *Clear and sufficient*?  
69 ##  
70 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.  
71 ##  
72 ##  
73 ## Session info  
74 ##  
75 ## (r sessionInfo)  
76 ##  
77 ##  
78 ## (r sessionInfo)  
79 ##  
80 ##  
81 ##  
82 ## (r pkg_dir, echo = F)  
83 ## pkg_dir <- "Users/Anna/Documents/workflows/rOpenSci/reviews/outsider"  
84 ##  
85 ##  
86 ## Test installation  
87 ## test local outsider install:  
88 ## (r test-local)  
89 ## install(pkg_dir, dependencies = T, build_vignettes = T)  
90 ##  
91 ## (r github-repo)  
92 ## remove.packages("outsider")  
93 ##  
94 ##  
95 ##  
96 ##  
97 ##  
98 ##  
99 ##  
100 ##  
101 ##  
102 ##  
103 ##  
104 ##  
105 ##  
106 ##  
107 ##  
108 ##  
109 ##  
110 ##  
111 ##  
112 ##  
113 ##  
114 ##  
115 ##  
116 ##  
117 ##  
118 ## Check package integrity  
119 ##  
120 ## run checks on 'outsider' source:  
121 ##  
122 ## (r check-checks)  
123 ## devtools::check(pkg_dir)  
124 ##  
125 ##  
126 ##  
127 ##  
128 ##  
129 ##  
130 ##  
131 ##  
132 ##  
133 ## (r check-tests)  
134 ## devtools::test(pkg_dir)  
135 ##  
136 ##  
137 ##  
138 ##  
139 ##  
140 ##  
141 ##  
142 ##  
143 ##  
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)
```

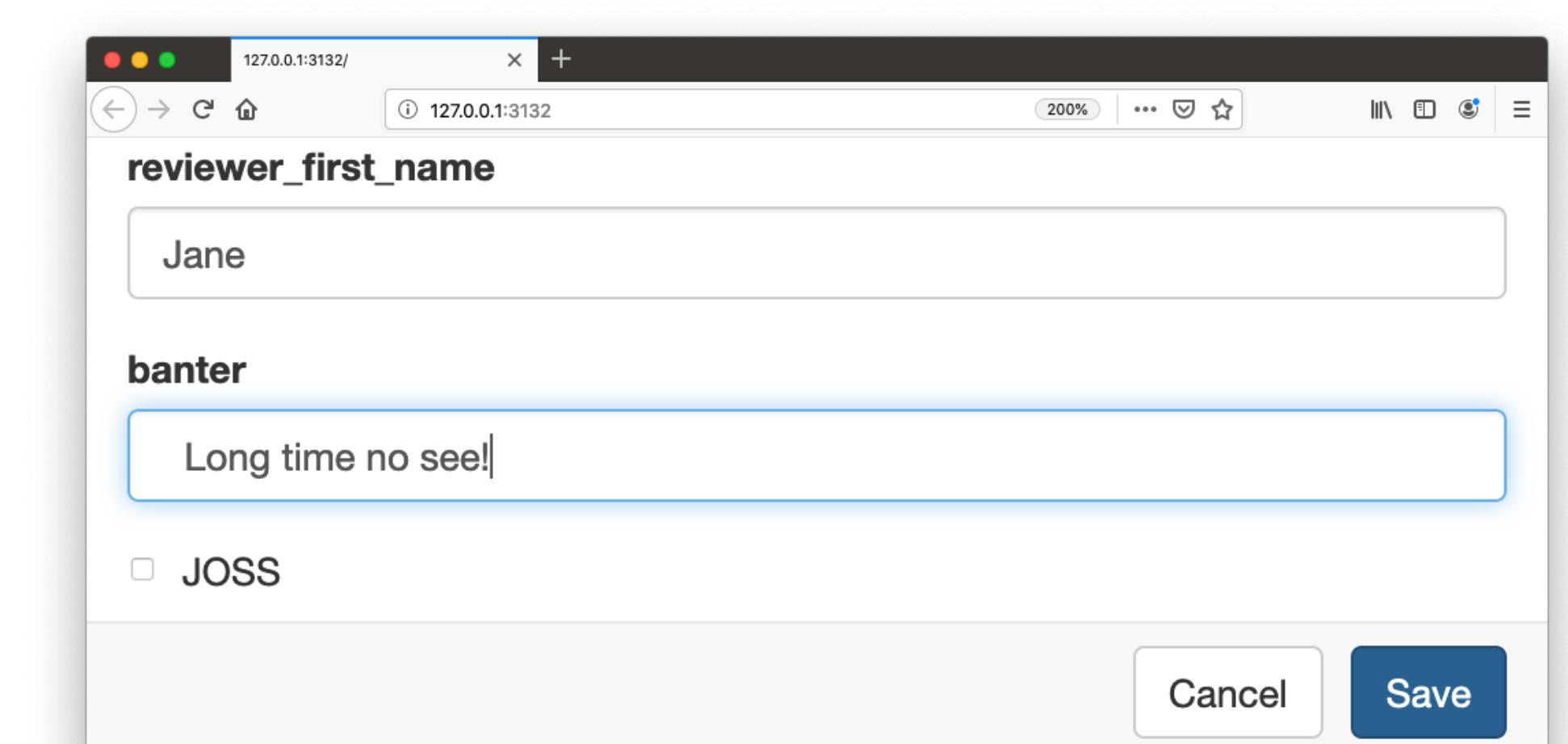
```
└── editor.md  
  └── index.Rmd  
    └── outsider-editor.Rproj  
      └── request.Rmd
```

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

