



sanofi



# ART

(Analysis and Reporting Technology)

## *R package Validation*

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# Goal and Context

Open-source projects can improve how clinical trials work by making them more transparent and collaborative to solve problems and define a common standard in the clinical trial ecosystem.

Successful open source packages such as admiral, tern and as well as collaborative initiatives (Pharmaverse, Transcellerate, Phuse) could greatly standardize and harmonize processes for different laboratories as well as allowing for faster deliverable for submission.

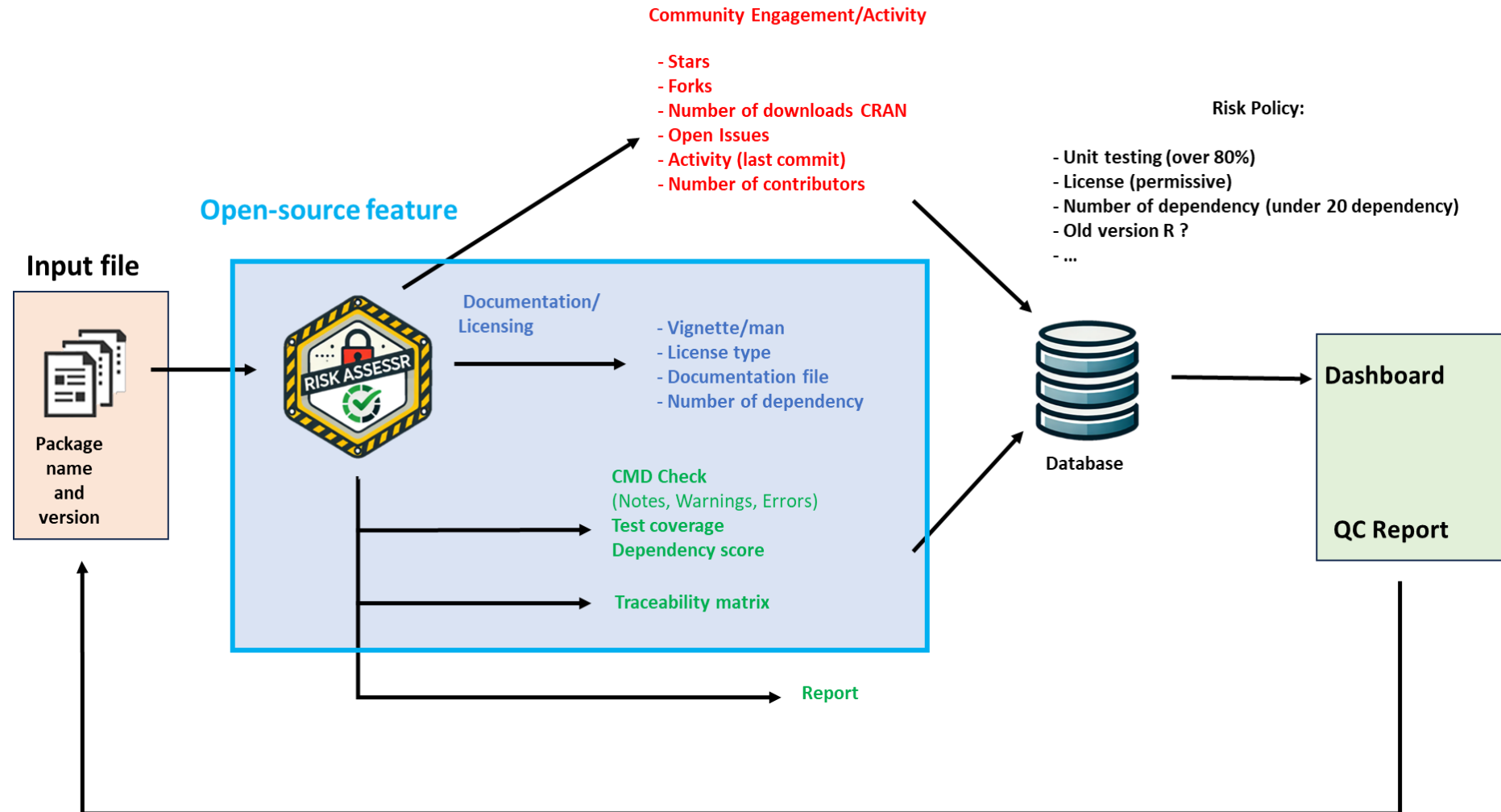
However, open source raises inherent challenges in terms of:

Security	Legal	Operational
<ul style="list-style-type: none"><li>- Vulnerability issues</li><li>- Confidentiality concerns</li></ul>	<ul style="list-style-type: none"><li>- Is the source code under a non-permissive license?</li></ul>	<ul style="list-style-type: none"><li>- Is the package maintained by an active community?</li><li>- Does it follow good practices?</li><li>- Is it sustainable?</li><li>- Is the pkg of good quality?</li></ul>

We need to use open-source projects responsibly and safely by adhering to best practices and ensure the reliability of the package being utilized by Sanofi for FDA submission.

The ART team is creating a risk validation process that allows programmers to validate packages as they progress through the various stages of development.

# Package validation Workflow



# risk.assessr R package



## For Open-source R package on CRAN

```
library(risk.assessr)
results <- risk.assessr::assess_pkg_r_package("here", version = "1.0.1")
```

## For internal R package or any locally stored .tar R package

```
results <- risk.assessr::assess_pkg_r_package()
```

# Data extraction from source code on CRAN



tern: Create Common TLGs Used in Clinical Trials

Table, Listings, and Graphs (TLG) library for common outputs used in clinical trials.

Version: 0.9.5  
Depends: R (≥ 3.6), rtables (≥ 0.6.8)  
Imports: broom (≥ 0.5.4), car (≥ 3.0-13), checkmate (≥ 2.1.0), cowplot (≥ 1.0.0), dplyr (≥ 1.0.0), emmeans (≥ 1.8.0), forcats (≥ 1.0.0), formatters (≥ 0.5.8), ggplot2 (≥ 3.4.0), methods, Rdpack (≥ 2.4), rlang (≥ 1.1.0), scales (≥ 1.2.0), stats, survival (≥ 3.2-13), tibble (≥ 2.0.0), tidyr (≥ 0.8.3), utils  
Suggests: knitr (≥ 1.42), lattice (≥ 0.18-4), lubridate (≥ 1.7.9), nestcolor (≥ 0.1.1), rmarkdown (≥ 2.19), stringr (≥ 1.4.1), svglite (≥ 2.1.2), testthat (≥ 3.1.9), withr (≥ 2.0.0)  
Published: 2024-06-21  
DOI: 10.32614/CRAN.package.tern  
Author: Joe Zhu [aut, cre], Daniel Sabanes Bové [aut], Jana Stoilova [aut], Davide Garolini [aut], Emily de la Rua [aut], Abinaya Yogasekaram [aut], Heng Wan, Hoffmann-La Roche AG [cph, fnd]  
Maintainer: Joe Zhu <joe.zhu@roche.com>  
BugReports: https://github.com/insightengineering/tern/issues  
License: Apache License 2.0  
URL: https://insightengineering.github.io/tern/, https://github.com/insightengineering/tern/  
NeedsCompilation: no  
Language: en-US  
Materials: README NEWS  
CRAN checks: tern results

Documentation:

Reference manual: tern.pdf  
Vignettes: Missing Values in Tern  
Tabulation  
Introduction to tern  
Formatting Functions

Downloads:

Latest version .tar file

Package source: tern\_0.9.5.tar.gz  
Windows binaries: r-devel: tern\_0.9.5.zip, r-release: tern\_0.9.5.zip, r-oldrel: tern\_0.9.5.zip  
macOS binaries: r-release (arm64): tern\_0.9.5.tgz, r-oldrel (arm64): tern\_0.9.5.tgz, r-release (x86\_64): tern\_0.9.5.tgz, r-oldrel (x86\_64): tern\_0.9.5.tgz  
Old sources: tern archive

Reverse dependencies:

Reverse depends: teal.modules.clinical, tern.gcc, tern.mmm  
Reverse imports: chevron, teal.modules.general

Linking:

Please use the canonical form https://CRAN.R-project.org/package=tern to link to this page.

Archived  
version package

## Index of /src/contrib/Archive/tern

Name	Last modified	Size	Description
Parent Directory		-	
tern_0.8.3.tar.gz	2023-06-19 17:20	2.2M	
tern_0.8.4.tar.gz	2023-06-27 13:00	2.2M	
tern_0.9.0.tar.gz	2023-09-01 11:20	2.3M	
tern_0.9.3.tar.gz	2023-12-08 17:20	4.1M	
tern_0.9.4.tar.gz	2024-04-17 08:50	4.2M	

Apache Server at cran.r-project.org Port 443

tern / DESCRIPTION

Melkiades and github-actions[bot] [skip actions] Bump version to 0.9.5.9003

Code Blame 179 lines (179 loc) · 5.3 KB

```
1 Package: tern
2 Title: Create Common TLGs Used in Clinical Trials
3 Version: 0.9.5.9003 Package version
4 Date: 2024-07-01
5 Authors@R: c(
6   person("Joe", "Zhu", , "joe.zhu@roche.com", role = c("aut", "cre")),
7   person("Daniel", "Sabanes Bové", , "daniel.sabanes_bove@roche.com", role = "aut"),
8   person("Jana", "Stoilova", , "jana.stoilova@roche.com", role = "aut"),
9   person("Davide", "Garolini", , "davide.garolini@roche.com", role = "aut"),
10  person("Emily", "de la Rua", , "emily.de_la_rua@contractors.roche.com", role = "aut"),
11  person("Abinaya", "Yogasekaram", , "abinaya.yogasekaram@contractors.roche.com", role = "aut"),
12  person("Heng", "Wang", , "wang.heng@gene.com", role = "aut"),
13  person("Francois", "Collin", role = "aut"),
14  person("Adrian", "Waddell", , "adrian.waddell@gene.com", role = "aut"),
15  person("Pawel", "Rucki", , "pawel.rucki@roche.com", role = "aut"),
16  person("Chendi", "Liao", , "chendi.liao@roche.com", role = "aut"),
17  person("Jennifer", "Li", , "li.jing@gene.com", role = "aut"),
18  person("F. Hoffmann-La Roche AG", role = c("cph", "fnd"))
19 )
```

Description: Table, Listings, and Graphs (TLG) library for common outputs used in clinical trials.  
License: Apache license 2.0 License type  
URL: https://insightengineering.github.io/tern/,  
https://github.com/insightengineering/tern/  
BugReports: https://github.com/insightengineering/tern/issues Bug report

Depends:  
R (≥ 3.6),  
rtables (≥ 0.6.8) Number of dependency  
Imports:  
broom (≥ 0.5.4),  
car (≥ 3.0-13),  
checkmate (≥ 2.1.0),  
cowplot (≥ 1.0.0).

tern / LICENSE

edelarua Check all URLs (#909) X

Code Blame 13 lines (10 loc) · 565 Bytes

```
1 Copyright 2022 F. Hoffmann-La Roche AG
2
3 Licensed under the Apache License, Version 2.0 (the "License");
4 you may not use this file except in compliance with the License.
5 You may obtain a copy of the License at
```

- Data extraction from .tar package source code



# risk.assessr R package



```
results$results

$pkg_name
[1] "here"

$pkg_version
[1] "1.0.1"

$pkg_source_path
  C:/Users/I0555262/AppData/Local/Temp/RtmpOc7a0z/temp_file_5a3
"C:/Users/I0555262/AppData/Local/Temp/RtmpOc7a0z/temp_file_5a30

$date_time
[1] "2024-10-29 12:08:35"

$executor
[1] ""

$sysname
[1] "Windows"

$version
[1] "build 19045"

$release
[1] "10 x64"

$machine
[1] "x86-64"

$comments
[1] " "

$has_bug_reports_url
[1] 1
```

## Quality metrics

```
$license
[1] 1

$has_examples
[1] 1

$has_maintainer
[1] 1

$size_codebase
[1] 0.4680851

$has_news
[1] 1

$has_source_control
[1] 1

$has_vignettes
[1] 1

$has_website
[1] 1

$news_current
[1] 1

$export_help
[1] 1

$export_calc
[1] 0.6791787

$check
[1] 0

$covr
[1] 0.9867
```

## Dependencies

```
$dependencies
$dependencies$imports
$dependencies$imports$rprojroot
[1] "2.0.4"

$dependencies$suggests
$dependencies$suggests$conflited
[1] "None"

$dependencies$suggests$covr
[1] "3.6.4"

$dependencies$suggests$fs
[1] "1.6.3"

$dependencies$suggests$knitr
[1] "None"

$dependencies$suggests$palmerpenguins
[1] "None"

$dependencies$suggests$plyr
[1] "None"

$dependencies$suggests$readr
[1] "None"

$dependencies$suggests$rlang
[1] "1.1.3"

$dependencies$suggests$rmarkdown
[1] "None"

$dependencies$suggests$testthat
[1] "3.2.1.1"

$dependencies$suggests$uuid
[1] "None"
```

## Reverse Dependencies

```
$dep_score
[1] 0.04742587

$rev_deps
[1] "adepr" "APCalign" "archtyper"
[4] "ARUtools" "AzureAppInsights" "bdc"
[7] "BeeBDC" "blastula" "boxr"
[10] "bscui" "cache" "cape"
[13] "cbcTools" "ciTools" "clockify"
[16] "CohortCharacteristics" "CohortConstructor" "CohortSymmetry"
[19] "cpsvote" "cricketdata" "crosstalkr"
[22] "denguedatahub" "DescrTab2" "designit"
[25] "did" "diffEnrich" "DrugUtilisation"
[28] "dtrackr" "dyn.log" "EIEntropy"
[31] "elaborator" "emayili" "EpiNow2"
[34] "filecacher" "flourishcharts" "flow"
[37] "folders" "formods" "funspotr"
[40] "fusen" "ggghdx" "ggseg"
[43] "ghclass" "GIMMEgVAR" "GISSB"
[46] "gitignore" "golem" "graphicalMCP"
[49] "gtfsrouter" "Guerry" "heddlr"
[52] "heplots" "hkdatasets" "IncidencePrevalence"
[55] "isotracer" "ixplorer" "justifier"
[58] "ks" "kindisperse" "logitr"
[61] "logrx" "longsur" "lterdatasampler"
[64] "mailmerge" "maraca" "marginaleffects"
[67] "metabolic" "metr" "midfieldr"
[70] "MiscMetabar" "mlr3spatiotempcv" "morphemepiece"
[73] "naijr" "nanian" "nascar.data"
[76] "nestedLogit" "nettskjemar" "OlinkAnalyze"
[79] "omopgenerics" "OmopSketch" "OmopViewer"

$revdep_score
[1] 0.9721276

$overall_risk_score
[1] 0.2963372

$risk_profile
[1] "Medium"
```

Risk score

# risk.assessr R package



## Test coverage [🔗](#)

```
results$covr_list
```

```
$total_cov  
[1] 0.9867
```

```
$res_cov  
$res_cov$name  
[1] "here"
```

```
$res_cov$coverage  
$res_cov$coverage$filecoverage  
      R/aaa.R  R/dr_here.R  R/here.R  R/i_am.R R/set_here.R  R/zzz.R  
      100.00    100.00    100.00    95.83    100.00    100.00
```

```
$res_cov$coverage$totalcoverage  
[1] 98.67
```

```
$res_cov$errors  
[1] NA
```

```
$res_cov$notes  
[1] NA
```

## CMD check

```
results$check_list
```

```
$res_check
```

```
— R CMD check results ————— here 1.0.1 ———  
Duration: 56.3s
```

```
> checking Rd cross-references ... WARNING  
  Package non disponible pour vérifier les xrefs Rd : 'uuid'
```

```
> checking package dependencies ... NOTE  
  Packages suggested but not available for checking:  
    'conflicted', 'palmerpenguins', 'plyr', 'uuid'
```

```
0 errors ✓ | 1 warning ✗ | 1 note ✗
```

```
$check_score  
[1] 0.65
```

# Popularity and package activity



insightengineering / tern

<> Code Issues 65 Pull requests 3 Discussions 0 Actions 0 Security 0 Insights

tern Public

Sponsor Watch 23 Fork 16 Star 69

main 9 Branches 52 Tags

Go to file Add file Code

edelarua and github-actions[bot] [skip actions] Bump version to 0.9.4.9001 48c8b18 · yesterday 2,882 Commits

.github	Workflow propagation (#1206)	last week
R	Fix documentation for the label_all argument of extract_* ...	yesterday
data-raw	Fix all lint (#1104)	6 months ago
data	[skip vbump] Fix missing label for YKEDTHM in tern data (#863)	last year
inst	Minor documentation clean up (#1222)	2 weeks ago
man	Fix documentation for the label_all argument of extract_* ...	yesterday
pkgdown/favicon	Generate pkgdown site favicon (#1149)	5 months ago
tests	Fix documentation for the label_all argument of extract_* ...	yesterday
vignettes	Minor documentation clean up (#1222)	2 weeks ago
.Rbuildignore	Workflow propagation (#1159)	4 months ago
.gitignore	Organization of ignores (#872)	last year
.gitlab-ci.yml	Gitlab main (#144)	3 years ago
.lintr	Update checkyami (#655)	2 years ago
.pre-commit-config.yaml	[skip actions] Bump version to 0.9.3.9033	last week
DESCRIPTION	[skip actions] Bump version to 0.9.4.9001	yesterday
LICENSE	Check all URLs (#909)	last year
NAMESPACE	Refactor g_ks (#1210)	last month
NEWS.md	[skip actions] Bump version to 0.9.4.9001	yesterday
README.md	[skip vbump], preparing for 0.9.4 release (#1227)	last week
SECURITY.md	Prepare for open sourcing (#572)	2 years ago
_pkgdown.yml	Revert deprecation of decorate_grob-related functions used ...	3 weeks ago

About

Table, Listings, and Graphs (TLG) library for common outputs used in clinical trials

insightengineering.github.io/tern/

r graphs nest clinical-trials

tables listings outputs

Readme View license Code of conduct Security policy Activity

Custom properties

69 stars 23 watching 16 forks

Report repository

Releases 22

v0.9.4 Latest

last week

+ 21 releases

Sponsor this project

https://pharmaverse.org

Packages

No packages published

Contributors 51

- Data extraction from github repository and CRAN download:

- Stars
- Forks
- Last commit
- Number of downloads (Last month, Total)



# risk.assessr R package



```
results$github_data
```

```
$created_at
[1] "2012-10-28T13:39:17Z"

$stars
[1] 4821

$forks
[1] 2122

$date
[1] "2025-02-04"

$recent_commits_count
[1] 0
```

```
results$host
```

```
$github_links
[1] "https://github.com/tidyverse/dplyr"

$cran_links
[1] "https://cran.r-project.org/src/contrib/dplyr_1.1.4.tar.gz"

$internal_links
NULL

$bioconductor_links
NULL
```

```
results$download
```

```
$total_download
[1] 119300000

$last_month_download
[1] 1400000
```

```
results$available_version
```

```
[1] "0.1.1" "0.1.2" "0.1.3" "0.1" "0.2" "0.3.0.1" "0.3.0.2" "0.3" "0.4.0"
[10] "0.4.1" "0.4.2" "0.4.3" "0.5.0" "0.7.0" "0.7.1" "0.7.2" "0.7.3" "0.7.4"
[19] "0.7.5" "0.7.6" "0.7.7" "0.7.8" "0.8.0.1" "0.8.0" "0.8.1" "0.8.2" "0.8.3"
[28] "0.8.4" "0.8.5" "1.0.0" "1.0.1" "1.0.2" "1.0.3" "1.0.4" "1.0.5" "1.0.6"
[37] "1.0.7" "1.0.8" "1.0.9" "1.0.10" "1.1.0" "1.1.1" "1.1.2" "1.1.3" "1.1.4"
```

# risk.assessr R package



## Traceability matrix

```
results$tm
```

```
# A tibble: 4 × 5
```

	exported_function	code_script	documentation	description	coverage_percent
	<chr>	<chr>	<chr>	<chr>	<dbl>
1	dr_here	R/dr_here.R	dr_here.Rd	"dr_here() shows a message t...	100
2	here	R/here.R	here.Rd	"here() uses a reasonable he...	100
3	i_am	R/i_am.R	i_am.Rd	"Add a call to here::i_am(\"...	95.8
4	set_here	R/set_here.R	set_here.Rd	"html<a href='https://www.ti...	100

# risk.assessr R package



## CHECK PACKAGE STRUCTURE FOR IMPORTS/SUGGESTS

teal.code [v0.5.0](#)

**risk.assessr** results for teal.code v0.5.0 identified that cli should be in **Imports** not **Suggests**

```
> assessment_results$results$suggested_deps
# A tibble: 1 x 4
  source      suggested_function targeted_package message
<chr>        <chr>                <chr>        <chr>
1 eval_code ansi_strip          cli           Please check if the targeted package should be in Imports
```

This issue also was identified and fixed by Roche [datanames in vignettes by gogonzo · Pull Request #239 · insightsengineering/teal.code](#) and released in teal.code [Release v0.6.0 · insightsengineering/teal.code](#)

# QC report generation



```
data_here <- risk.assessr::assess_pkg_r_package("here")  
risk.assessr::generate_html_report(data_dplyr, "report/")
```

processing file: risk\_report\_template.Rmd

output file: risk\_report\_template.knit.md

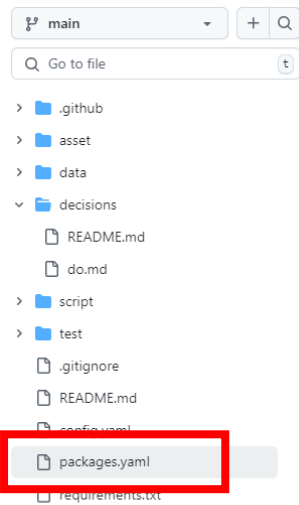
"C:/Program Files/RStudio/resources/app/bin/quarto/bin/tools/pandoc" +RTS -K512m -RTS risk\_report.

Output created: risk\_report\_dplyr\_1.1.4.html  
report/risk\_report\_dplyr\_1.1.4.html

[risk\\_report\\_dplyr\\_1.1.4.html](#)

# Package validation Workflow: DB rpackage

## Packages.yaml



```
Code Blame 279 lines (279 loc)
1 packages:
2   - name: DT
3     version: 0.33
4   - name: R6
5     version: 2.5.1
6   - name: RColorBrewer
7     version: 1.1-3
8   - name: Rcpp
9     version: 1.0.12
10  - name: V8
11    version: 4.4.2
12  - name: admiral
13    version: 1.0.2
14  - name: admiraldev
15    version: 1.0.0
16  - name: askpass
17    version: 1.2.0
18  - name: backports
19    version: 1.4.1
20  - name: base64enc
21    version: 0.1-3
22  - name: bigD
23    version: 0.2.0
24  - name: bit
25    version: 4.0.5
26  - name: bit64
27    version: 4.0.5
28  - name: bitops
29    version: 1.0-7
30  - name: brio
31    version: 1.1.5
32  - name: broom
33    version: 1.0.5
34  - name: broom.helpers
35    version: 1.15.0
36  - name: bslib
37    version: 0.7.0
38  - name: cachem
```

## Github Action



← run r package

● run r package #172

## Summary

### Jobs

- ✓ calculate\_chunks
- process\_packages (admiraldev)
- process\_packages (affy)
- process\_packages (biomaRt)
- process\_packages (boot)
- process\_packages (brms)
- process\_packages (brms.mmrn)
- process\_packages (car)
- process\_packages (caret)
- process\_packages (class)
- process\_packages (cli)
- process\_packages (cluster)
- process\_packages (clusterGeneration)
- process\_packages (cmdstanr)
- process\_packages (codetools)
- process\_packages (compiler)
- process\_packages (cowplot)
- process\_packages (crew)
- process\_packages (crew.cluster)
- process\_packages (cubature)
- process\_packages (datasets)

Manually triggered 1 minute ago

shbiom → a1af5df 66-add-all-sanofi-package-t...

Status

Total duration

Artifacts

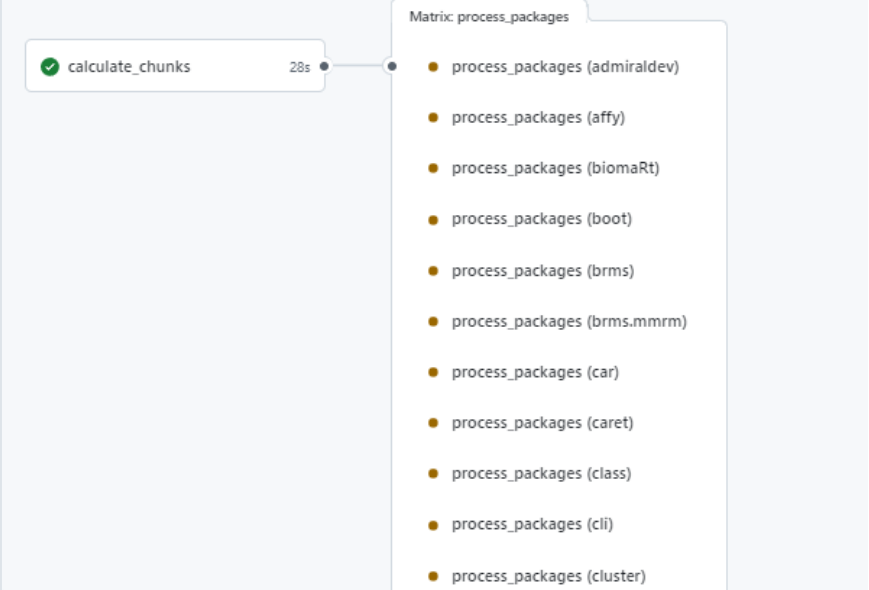
Queued

—

—

## run\_rpackage.yaml

on: workflow\_dispatch



## Annotations



# risk.assessr R data



## DB Rpackage

Files

main

Go to file

- .github
- asset
- data
  - info
    - .gitkeep
    - packages.csv
  - rpackage
    - DT/0.33
    - R6/2.5.1
    - RColorBrewer/1.1-3
    - Rcpp/1.0.12
    - V8/4.4.2
    - admiral/1.0.2
      - assessr\_data.json
      - info.json
      - risk.json

bp-db-risk-rpackage / data / rpackage / admiral / 1.0.2

shbiom update data

Name
..
assessr_data.json
info.json
risk.json

- R CMD Check (Error, warning, notes)
- Test coverage
- Risk assessment data (has maintainer, has website)
- Traceability matrix
- Dependencies/reverse dependencies
- Metadata

```
{
  "package": {
    "package_name": "admiral",
    "pkg_version": "1.0.2"
  },
  "coverage": { ... },
  "cmd_check": { ... },
  "risk_assessment": {
    "has_bug_reports_url": "1",
    "license": "1",
    "has_examples": "1",
    "has_maintainer": "1",
    "size_codebase": "0.9776586237712224",
    "has_news": "1",
    "has_source_control": "1",
    "has_vignettes": "1",
    "has_website": "1",
    "news_current": "1",
    "export_help": "0",
    "export_calc": "0.153418123706183",
    "date_time": "2024-10-01 13:24:53.337273",
    "overall_risk_score": "0.397970483864302",
    "risk_profile": "High"
  },
  "traceability_matrix": [ ... ],
  "metadata": {
    "pkg_source_path": "/tmp/RtmpD3H4HU/temp_file_20fef6102be/admiral",
    "date_time": "2024-10-01 13:24:53.337273",
    "executor": "",
    "sysname": "Linux",
    "version": "#1 SMP Tue Aug 1 20:51:38 UTC 2023",
    "release": "5.10.186-179.751.amzn2.x86_64",
    "machine": "x86_64",
    "comments": "",
    "risk_assessr_version": "1.0.0",
    "R_version": "R version 4.4.1 (2024-06-14)",
    "data_acquisition_time_sec": "246.689524412155"
  }
}
```

**CMD Check/**  
**Test coverage**

**Quality metric**

**Traceability matrix**

**Metadata**

# Validation policy rules (ongoing)

## Low Risk: [🔗](#)

A package is low risk if all these criteria are filled

- **R CMD check** - The package passes R CMD check without ERRORS
- **RCMD check** – passes CRAN feasibility check (extra checks run to assess CRAN submission)
- **Test coverage** over 80 %
- Each exported function has at least one unit test (exclude re-exported from other packages functions)
- **Number of dependencies**  $\leq 20$
- **Documentation** – (package has examples, package has vignettes, package has a website, package has a maintainer; exclude re-exported functions)
- **License** (type of - permissive): MIT, Apache 2, Artistic-2

## Medium Risk:

A package is Medium risk if one or more of these criteria fails:

- **R CMD** check passed with WARNINGS and/or NOTES
- **Test coverage** between 60% - 80 %
- Some exported functions do not have a unit test and/or function test coverage  $< 60\%$  (exclude re-exported functions)
- **Number of dependencies** between 20 – 40
- Influence – **reverse dependencies** ( $< 5$  reverse dependencies)
- **License** GPL or LGPL or unclear licenses OR GPL/LGPL in dependencies
- 5 versions behind the latest one

## High Risk:

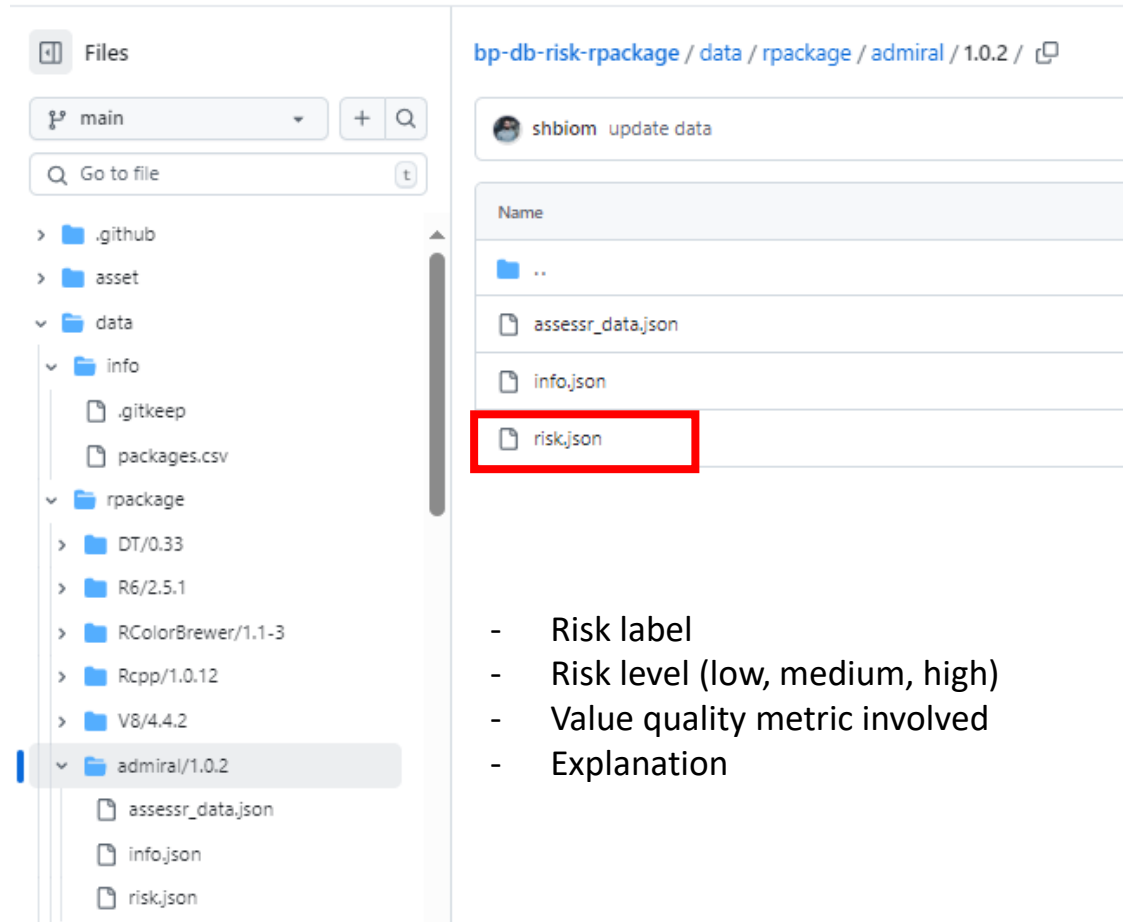
A package is High risk if one or more of these criteria fails:

fail one or more of the following criteria:

- **R CMD** basic check
- **Test coverage** over 60%
- **Number of dependencies**  $> 40$
- **License**:
  - GNU Affero GPL (AGPL) 3.0, CeCILL v2.1, Open Software Licence 3.0, Server Side Public License (SSPL) 1.0 or other “non-SAAS-friendly” license

# Risk rules

## DB Rpackage



bp-db-risk-rpackage / data / rpackage / admiral / 1.0.2

shbiom update data

Name
..
assessr_data.json
info.json
<b>risk.json</b>

- Risk label
- Risk level (low, medium, high)
- Value quality metric involved
- Explanation

```
{
  "package_name": "admiral",
  "package_version": "1.0.2",
  "risks": [
    {
      "risk_label": "Licence",
      "risk_level": "Low",
      "value": "Apache-2.0",
      "operator": "=",
      "threshold": "",
      "explanation": "License is permissive (e.g., MIT, Apache) and favored for use."
    },
    {
      "risk_label": "Unit test",
      "risk_level": "High",
      "value": "nan",
      "operator": "<=",
      "threshold": 60,
      "explanation": "Code coverage is below the acceptable threshold set at 60."
    },
    {
      "risk_label": "Dependency count",
      "risk_level": "medium",
      "value": "22",
      "operator": ">",
      "threshold": 20,
      "explanation": "Number of dependencies exceeds the acceptable between 20 and 40."
    },
    {
      "risk_label": "Deprecated version",
      "risk_level": "low",
      "value": "2",
      "operator": "<=",
      "threshold": "5",
      "explanation": "Less than 5 packages versions behind the latest version"
    },
    {
      "risk_label": "CMD check",
      "risk_level": "High",
      "value": "Notes, Warnings, Errors",
      "operator": "=",
      "threshold": null,
      "explanation": "The package contains notes during CMD check.\nWarnings found during CMD check.\nErrors found during CMD check."
    }
  ]
}
```

# Documentation Approval decision

## DB Rpackage

Q Go to file

> .github

> asset

> data

▼ decisions

README.md

do.md

> script

> test

.gitignore

README.md

config.yaml

packages.yaml

requirements.txt

Decision

Preview Code Blame 31 lines (15 loc) · 584 Bytes

Raw Copy Download Edit

do

Information

- Package description: Flexibly convert data between long and wide format using just two functions: `reshape_toLong()` and `reshape_toWide()`.
- CRAN link: <https://cran.r-project.org/package=do>
- Github repository: <https://github.com/yikeshu0611/do>
- Intent of use: for data preparation and adam creation
- Requestor: [Fan.Zhang2@sanofi.com](mailto:Fan.Zhang2@sanofi.com)

Review

No unit test, too old. Lots of dependencies. Several functions already covered by tidyr package.

Decision

Rejected.

Date

02Jul2024

Approvers

- Paulin Charliquart

**Next step: text generation**

Back up slide

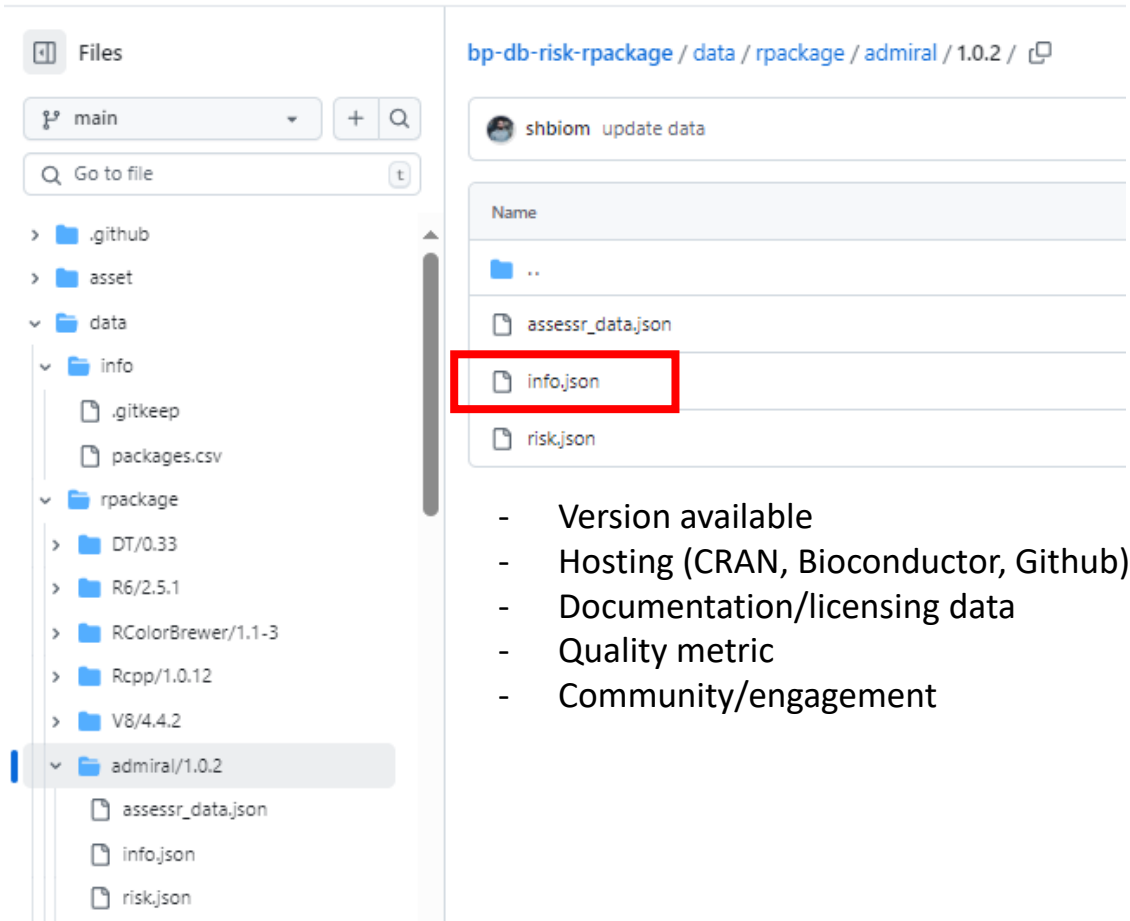


# Validation policy rules

Risk	Non-submission package	submission package
Low	Installation Testing (CMD check, Test coverage)	Installation Testing (CMD check, Test coverage) done in a submission environment
Medium	Installation Testing (CMD check, Test coverage)	Manual check by IT done in a submission environment
High	Installation Testing (CMD check, Test coverage)	Performance Qualification should test all exported functions intended to be used in the project and be approved by a QA system and Subject Matter Expert (SME).
	For Exploratory ONLY	<p>Add conditions to use this package by SME:</p> <p>Provide scientific literature with critical thinking.</p> <p>Create additional custom QC procedures:</p> <ul style="list-style-type: none"><li>• Manual or visual verification for package output</li><li>• Resolve critical criteria: Write some tests.</li></ul>

# Risk analysis API data

## DB Rpackage

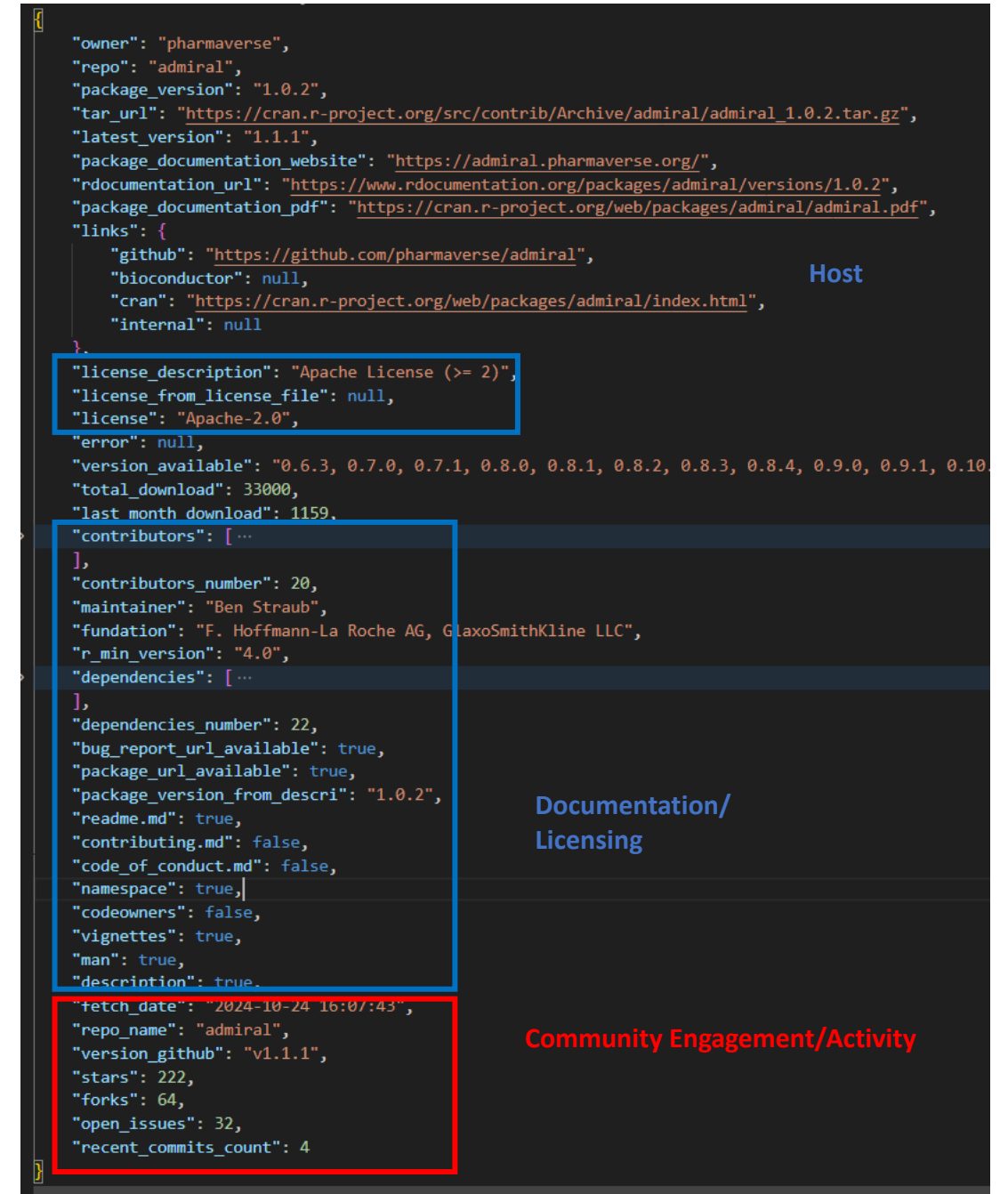


bp-db-risk-rpackage / data / rpackage / admiral / 1.0.2

shbiom update data

Name
..
assessr_data.json
info.json
risk.json

- Version available
- Hosting (CRAN, Bioconductor, Github)
- Documentation/licensing data
- Quality metric
- Community/engagement



```
{
  "owner": "pharmaverse",
  "repo": "admiral",
  "package_version": "1.0.2",
  "tar_url": "https://cran.r-project.org/src/contrib/Archive/admiral/admiral_1.0.2.tar.gz",
  "latest_version": "1.1.1",
  "package_documentation_website": "https://admiral.pharmaverse.org/",
  "rdocumentation_url": "https://www.rdocumentation.org/packages/admiral/versions/1.0.2",
  "package_documentation_pdf": "https://cran.r-project.org/web/packages/admiral/admiral.pdf",
  "links": {
    "github": "https://github.com/pharmaverse/admiral",
    "bioconductor": null,
    "cran": "https://cran.r-project.org/web/packages/admiral/index.html",
    "internal": null
  },
  "license_description": "Apache License (>= 2)",
  "license_from_license_file": null,
  "license": "Apache-2.0",
  "error": null,
  "version_available": "0.6.3, 0.7.0, 0.7.1, 0.8.0, 0.8.1, 0.8.2, 0.8.3, 0.8.4, 0.9.0, 0.9.1, 0.10",
  "total_download": 33000,
  "last_month_download": 1159,
  "contributors": [ ... ],
  "contributors_number": 20,
  "maintainer": "Ben Straub",
  "foundation": "F. Hoffmann-La Roche AG, GlaxoSmithKline LLC",
  "r_min_version": "4.0",
  "dependencies": [ ... ],
  "dependencies_number": 22,
  "bug_report_url_available": true,
  "package_url_available": true,
  "package_version_from_descri": "1.0.2",
  "readme.md": true,
  "contributing.md": false,
  "code_of_conduct.md": false,
  "namespace": true,
  "codeowners": false,
  "vignettes": true,
  "man": true,
  "description": true,
  "fetch_date": "2024-10-24 16:07:43",
  "repo_name": "admiral",
  "version_github": "v1.1.1",
  "stars": 222,
  "forks": 64,
  "open_issues": 32,
  "recent_commits_count": 4
}
```

Host

Documentation/  
Licensing

Community Engagement/Activity