



Scorecard: pythonR 0.0.1

MPN Scorecard






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Overview

This document contains evidence and proof points for pythonR 0.0.1 in support of Principles of Good Practice in Documentation, Testing, Maintenance & Stability, and Transparency & Community. Information about the system on which this assessment was performed is included in the System Info section near the bottom of this document.

Package Risk Metrics Summary

Category	Category Score	Risk Level
Testing	0.73 	Low Risk
Documentation	1.00 	Low Risk
Maintenance	1.00 	Low Risk
Transparency	0.50 	Medium Risk
Overall	0.79 	Low Risk

Details

Documentation, Maintenance & Transparency

Package Details

Criteria	Result	Risk
Documentation: Low Risk		
Has Vignettes	Yes	Low Risk
Has Website	Yes	Low Risk
Has News	Yes	Low Risk
Maintenance: Low Risk		
Has Maintainer	Yes	Low Risk
News Current	Yes	Low Risk
Transparency: Medium Risk		
Has Source Control	Yes	Low Risk
Has Bug Reports URL	No	High Risk

Testing

Testing: Low Risk

Criteria	Result	Risk
R CMD CHECK	Passing (score: 0.8)	Low Risk
coverage	66.52%	Medium Risk

Traceability Matrix

This table links all package functionality to the documentation which describes that functionality, as well as the testing code which confirms the functionality works as described.

Traceability Matrix

Exported Function	Code File	Documentation	Test Files
check_py_pkgs_installed	R/setup-python-pkgs.R	man/check_py_pkgs_installed.Rd	
get_conda_paths	R/setup-python-pkgs.R	man/setup_py_env.Rd	
get_py_example	R/examples.R	man/pythonR_examples.Rd	test-examples.R
import_main_py	R/setup-python-pkgs.R	man/import_main_py.Rd	
import_py_pkgs	R/setup-python-pkgs.R	man/import_py_pkgs.Rd	
install_py_pkgs	R/setup-python-pkgs.R	man/setup_py_env.Rd	
pythonR_examples	R/examples.R	man/pythonR_examples.Rd	
python_is_installed	R/aaa.R	man/python_is_installed.Rd	helper-python.R
setup_py_env	R/setup-python-pkgs.R	man/setup_py_env.Rd	setup.R test-setup-python-pkgs.R
shutdown_virtual_env	R/setup-python-pkgs.R	man/shutdown_virtual_env.Rd	

Testing directories: tests/testthat

Appendix

System Info

Execution and Machine Information

Category	Value
Date	2024-02-07 22:13:37
Executor	barrettk
Sysname	Linux
Version	#105~18.04.1-Ubuntu SMP Mon Feb 13 17:50:57 UTC 2023
Release	5.4.0-1097-aws
Machine	x86_64
Metworx_version	22.09

R Dependency Versions

Package	Version
backports	1.4.1
brio	1.1.4
callr	3.7.3
checkmate	2.3.1
cli	3.6.2
crayon	1.5.2
desc	1.4.3
diffobj	0.3.5
digest	0.6.34
dplyr	1.1.4
evaluate	0.23
fansi	1.0.6
fs	1.6.3
generics	0.1.3

R Dependency Versions

Package	Version
glue	1.7.0
here	1.0.1
jsonlite	1.8.8
lattice	0.22-5
lifecycle	1.0.4
magrittr	2.0.3
Matrix	1.6-5
pillar	1.9.0
pkgbuild	1.4.3
pkgconfig	2.0.3
pkgload	1.3.4
png	0.1-8
praise	1.0.0
processx	3.8.3
ps	1.7.6
purrr	1.0.2
R6	2.5.1
rappdirs	0.3.3
Rcpp	1.0.12
RcppTOML	0.2.2
rematch2	2.1.2
reticulate	1.35.0
rlang	1.1.3
rprojroot	2.0.4
testthat	3.2.1
tibble	3.2.1
tidyselect	1.2.0
utf8	1.2.4

R Dependency Versions

Package	Version
vctrs	0.6.5
waldo	0.5.2
withr	3.0.0
xfun	0.41

R CMD Check

```

* using log directory '/tmp/RtmpVh8mtH/file7e4364eeb9ea/pythonR.Rcheck'
* using R version 4.1.3 (2022-03-10)
* using platform: x86_64-pc-linux-gnu (64-bit)
* using session charset: UTF-8
* using option '--no-manual'
* checking for file 'pythonR/DESCRIPTION' ... OK
* this is package 'pythonR' version '0.0.1'
* package encoding: UTF-8
* checking package namespace information ... OK
* checking package dependencies ... OK
* checking if this is a source package ... OK
* checking if there is a namespace ... OK
* checking for executable files ... OK
* checking for hidden files and directories ... OK
* checking for portable file names ... OK
* checking for sufficient/correct file permissions ... OK
* checking whether package 'pythonR' can be installed ... NOTE
Found the following notes/warnings:
  Non-staged installation was used
See '/tmp/RtmpVh8mtH/file7e4364eeb9ea/pythonR.Rcheck/00install.out' for details.
* checking installed package size ... OK
* checking package directory ... OK
* checking 'build' directory ... OK
* checking DESCRIPTION meta-information ... OK
* checking top-level files ... OK
* checking for left-over files ... OK
* checking index information ... OK
* checking package subdirectories ... OK
* checking R files for non-ASCII characters ... OK
* checking R files for syntax errors ... OK
* checking whether the package can be loaded ... OK
* checking whether the package can be loaded with stated dependencies ... OK
* checking whether the package can be unloaded cleanly ... OK
* checking whether the namespace can be loaded with stated dependencies ... OK
* checking whether the namespace can be unloaded cleanly ... OK
* checking loading without being on the library search path ... OK
* checking dependencies in R code ... NOTE
Namespace in Imports field not imported from: 'withr'
  All declared Imports should be used.
* checking S3 generic/method consistency ... OK
* checking replacement functions ... OK
* checking foreign function calls ... OK
* checking R code for possible problems ... OK
* checking Rd files ... OK

```

```
* checking Rd metadata ... OK
* checking Rd cross-references ... OK
* checking for missing documentation entries ... OK
* checking for code/documentation mismatches ... OK
* checking Rd \usage sections ... OK
* checking Rd contents ... OK
* checking for unstated dependencies in examples ... OK
* checking installed files from 'inst/doc' ... OK
* checking files in 'vignettes' ... OK
* checking examples ... OK
* checking for unstated dependencies in 'tests' ... OK
* checking tests ...
  Running 'testthat.R'
  OK
* checking for unstated dependencies in vignettes ... OK
* checking package vignettes in 'inst/doc' ... OK
* checking running R code from vignettes ...
  'getting-started.Rmd' using 'UTF-8'... OK
  NONE
* checking re-building of vignette outputs ... OK
* DONE

Status: 2 NOTEs
See
  '/tmp/RtmpVh8mtH/file7e4364eeb9ea/pythonR.Rcheck/00check.log'
for details.
```

Test coverage

Test Coverage	
R Script	Test Coverage
R/aaa.R	85.71%
R/examples.R	100%
R/setup-python-pkgs.R	67%
R/zzz.R	42.86%

Test coverage is calculated per script, rather than per function. See Traceability Matrix for function-to-test-file mapping.