# 1/27/18

\* checking R code for possible problems ... NOTE

CorCBMNLL: no visible binding for global variable ‘FPCounts’

CorCBMNLL: no visible binding for global variable ‘TPCounts’

CorCBMNLLNoTrns: no visible binding for global variable ‘FPCounts’

CorCBMNLLNoTrns: no visible binding for global variable ‘TPCounts’

~~LrocPlots: no visible binding for global variable ‘reader’~~

PlotCorCbmFit: no visible binding for global variable ‘Condition’

fitted: no visible binding for global variable ‘FPF’

fitted: no visible binding for global variable ‘TPF’

fitted: no visible binding for global variable ‘Condition’

gpfPlotRsmPropCbm: no visible binding for global variable ‘Model’

R CMD check results

0 errors | 0 warnings | 1 note

R CMD check succeeded

Removed CORCBM

\item \code{\link{SimulateCorCbmDataset}}: Simulate paired binned data for testing \link{FitCorCbm}.

\item \code{\link{PlotCbmFit}}: Plot the CBM-predicted ROC curve with provided CBM parameters.

\item \code{\link{FitCorCbm}}: Fit the correlated contaminated binormal model (CORCBM) to ROC data.

\item \code{\link{DfCreateCorCbmDataset}}: Create paired dataset for testing \link{FitCorCbm}.

\item \code{\link{DfExtractCorCbmDataset}}: Extract two arms of a pairing from an MRMC ROC dataset.

# 1/28/18

Status: 1 NOTE

checking R code for possible problems ... NOTE

gpfPlotRsmPropCbm: no visible binding for global variable ‘Model’

Undefined global functions or variables: Model

See ‘/Users/Dev/RJafroc.Rcheck/00check.log’ for details.

R CMD check results 0 errors | 0 warnings | 1 note

R CMD check succeeded

Added MRMC directory; removed unnecessary files

After removing saved plots in /inst/ANALYZED/RSM6

gpfPlotRsmPropCbm: no visible binding for global variable ‘Model’

Undefined global functions or variables: Model

See ‘/Users/Dev/RJafroc.Rcheck/00check.log’ for details.

R CMD check results 0 errors | 0 warnings | 1 note

After Model <- NULL hack, as per:

<https://stackoverflow.com/questions/8096313/no-visible-binding-for-global-variable-note-in-r-cmd-check>

R CMD check results

0 errors | 0 warnings | 0 notes

R CMD check succeeded

# 1/29/18

Documented datasets

# 1/30/18: Description

updated 2/3/18

Tools for quantitative assessment of medical imaging systems, radiologists or computer aided ('CAD') algorithms. Implements methods described in a book: 'Chakraborty' 'DP': 2017, "Observer Performance Methods for Diagnostic Imaging - Foundations, Modeling, and Applications with R-Based Examples", Taylor-Francis. Data collection paradigms include receiver operating characteristic ('ROC') and its location specific extensions, primarily free-response 'ROC' ('FROC'). 'ROC' data consists of a single rating per image, where the rating is the perceived confidence level the image is of a diseased patient. 'FROC' data consists of a variable number (including zero) of mark-rating pairs per image, where a mark is the location of a clinically reportable suspicious region and the rating is the corresponding confidence level that it is a true lesion. The software supersedes the current Windows version of 'JAFROC' software <http://www.devchakraborty.com>. 'RJafroc' is derived from it being an enhanced R version of original Windows 'JAFROC'. Implemented are a number of figures of merit quantifying performance, functions for visualizing operating characteristics; three ROC ratings data curve-fitting algorithms: the 'binormal' model ('BM'), the contaminated binormal model ('CBM') and the radiological search model ('RSM'). Unlike the 'BM', the 'CBM' and the 'RSM' predict proper ROC curves that do not cross the chance diagonal or display inappropriate hooks near the upper right corner of the plots. 'RSM' fitting additionally yields measures of search and lesion-classification performances, in addition to the usual case-classification performance measured by the area under the 'ROC' curve. Search performance is the ability to find lesions while avoiding finding non-lesions. Lesion-classification performance is the ability to discriminate between found lesions and non-lesions. For fully crossed study designs, termed multiple-reader multiple-case, significance testing of reader-averaged figure-of-merit differences between modalities is implemented via both 'Dorfman', 'Berbaum' and 'Metz' ('DBM') and the 'Obuchowski' and 'Rockette' ('OR') methods. Single treatment analysis allows comparison of performance of a group of radiologists to a specified value, or comparison of 'CAD' performance to a group of radiologists interpreting the same cases. Sample size estimation tools are provided for 'ROC' and 'FROC' studies that allow estimation of relevant variances from a pilot study to predict required numbers of readers and cases in a pivotal study. Utility and data file manipulation functions allow data to be read in any of the currently used input formats, including Excel, and the results of the analysis can be viewed in text or Excel output files. The package is used extensively in the online appendices of the cited book. Directions for accessing the online material are available by following the software tab of <http://www.devchakraborty.com>.

# 1/31/18

Finished with datasets

Checking programs

\dontrun{ no space

roxygen2

# 2/1/18

Found errors in PlotRsmOperatingCharacteristics in lesion weighting

Changed lesionDistribution to lesDistr; needed to change in c++ code also

Fixed references

Fixed FROC power

Fixed UtilLesionDist

R CMD check results

0 errors | 0 warnings | 0 notes

R CMD check succeeded

# 2/2/18

Back to CAD paper – do fresh read and send out

Need to update RJafroc first

RMD distraction...

Removed function:

\item \code{\link{UtilVarianceComponents}}: Variance Components for DBM or Obuchowski-Rockette analysis.

Marked areas needing fixes and update:

potential project for summer student

R CMD check results

0 errors | 0 warnings | 0 notes

R CMD check succeeded

# 2/3/18

\* using log directory 'd:/RCompile/CRANincoming/R-devel/RJafroc.Rcheck'

\* using R Under development (unstable) (2018-02-01 r74194)

\* using platform: x86\_64-w64-mingw32 (64-bit)

\* using session charset: ISO8859-1

\* checking for file 'RJafroc/DESCRIPTION' ... OK

\* checking extension type ... Package

\* this is package 'RJafroc' version '1.0.0'

\* checking CRAN incoming feasibility ... NOTE

Maintainer: 'Dev Chakraborty <dpc10ster@gmail.com>'

New maintainer:

Dev Chakraborty <dpc10ster@gmail.com>

Old maintainer(s):

Xuetong Zhai <xuetong.zhai@gmail.com>

Possibly mis-spelled words in DESCRIPTION:

~~AFROC (17:1898, 17:1918)~~

~~Berbaum (17:2843)~~

~~Binormal (17:2003, 17:2041)~~

~~CBM (17:2057, 17:2122)~~

~~Chakraborty (17:235)~~

~~Df (17:1422)~~

~~Dorfman (17:2835)~~

~~FOM (17:2776)~~

~~FOMs (17:1765)~~

~~FROC (17:540, 17:682, 17:1874, 17:1892, 17:3132)~~

~~JAFROC (17:1078)~~

~~LLC (17:383)~~

~~MRMC (17:2729)~~

~~Metz (17:2851)~~

~~Obuchowski (17:2864)~~

~~RJafroc (17:1233)~~

~~RSM (17:2097, 17:2134, 17:2279)~~

Radiological (17:2070)

~~Rockette (17:2875)~~

~~Ss (17:1623)~~

~~Util (17:1704)~~

analytical (17:138)

~~emph (17:925, 17:1417, 17:1455, 17:1489, 17:1527, 17:1574, 17:1618, 17:1658, 17:1699)~~

modalities (17:2800)

reportable (17:816)

~~wAFROC (17:1925)~~

~~No package encoding and non-ASCII characters in the following R files:~~

~~R/tryCatch.R~~

~~48: # print(paste("MY\_ERROR:<c2><a0> ",err))~~

~~60: # # NOTE:<c2><a0> Finally is evaluated in the context of of the inital~~

~~61: # # NOTE:<c2><a0> tryCatch block and 'e' will not exist if a warning~~

~~62: # # NOTE:<c2><a0> or error occurred.~~

~~The Description field contains~~

~~\strong{JAFROC} software V4.2.1 (\url{http://www.devchakraborty.com}~~

~~and \url{http://www.expertcadanalytics.com}). \strong{This package is~~

~~\url{http://www.devchakraborty.com}.~~

~~Please enclose URLs in angle brackets (<...>).~~

~~The Date field is over a month old.~~

\* 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 hidden files and directories ... OK

\* checking for portable file names ... OK

\* checking serialized R objects in the sources ... OK

\* checking whether package 'RJafroc' can be installed ... OK

\* checking installed package size ... OK

\* checking package directory ... OK

\* checking 'build' directory ... OK

\* checking DESCRIPTION meta-information ... NOTE

Maintainer field differs from that derived from Authors@R

Maintainer: 'Dev Chakraborty <dpc10ster@gmail.com>'

Authors@R: 'Xuetong Zhai <xuetong.zhai@gmail.com>'

\* 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

\* loading checks for arch 'i386'

\*\* 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 use of S3 registration ... OK

\* loading checks for arch 'x64'

\*\* 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 use of S3 registration ... OK

\* checking dependencies in R code ... OK

\* checking S3 generic/method consistency ... OK

\* checking replacement functions ... OK

\* checking foreign function calls ... OK

\* checking R code for possible problems ... [35s] OK

\* checking Rd files ... OK

\* checking Rd metadata ... OK

\* checking Rd line widths ... 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 contents of 'data' directory ... OK

\* checking data for non-ASCII characters ... OK

\* checking data for ASCII and uncompressed saves ... OK

\* checking line endings in C/C++/Fortran sources/headers ... OK

\* checking pragmas in C/C++ headers and code ... OK

\* checking compiled code ... OK

\* checking sizes of PDF files under 'inst/doc' ... OK

\* checking installed files from 'inst/doc' ... OK

\* checking files in 'vignettes' ... OK

\* checking examples ...

\*\* running examples for arch 'i386' ... [45s] OK

\*\* running examples for arch 'x64' ... ERROR

Running examples in 'RJafroc-Ex.R' failed

The error occurred in:

R Under development (unstable) (2018-02-01 r74194) -- "Unsuffered Consequences"

Copyright (C) 2018 The R Foundation for Statistical Computing

Platform: x86\_64-w64-mingw32/x64 (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.

You are welcome to redistribute it under certain conditions.

Type 'license()' or 'licence()' for distribution details.

Natural language support but running in an English locale

R is a collaborative project with many contributors.

Type 'contributors()' for more information and

'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or

'help.start()' for an HTML browser interface to help.

Type 'q()' to quit R.

> pkgname <- "RJafroc"

> source(file.path(R.home("share"), "R", "examples-header.R"))

> options(warn = 1)

> options(pager = "console")

> base::assign(".ExTimings", "RJafroc-Ex.timings", pos = 'CheckExEnv')

> base::cat("name\tuser\tsystem\telapsed\n", file=base::get(".ExTimings", pos = 'CheckExEnv'))

> base::assign(".format\_ptime",

+ function(x) {

+ if(!is.na(x[4L])) x[1L] <- x[1L] + x[4L]

+ if(!is.na(x[5L])) x[2L] <- x[2L] + x[5L]

+ options(OutDec = '.')

+ format(x[1L:3L], digits = 7L)

+ },

+ pos = 'CheckExEnv')

>

> ### \* </HEADER>

> library('RJafroc')

Loading required package: xlsx

Loading required package: rJava

Loading required package: xlsxjars

Warning: S3 methods '[.idf', '[.indexed', '[.quoted', '[.split', '[[.idf', '[[.indexed\_array', '[[.indexed\_df', 'as.data.frame.function', 'as.data.frame.idf', 'as.list.indexed', 'as.list.split', 'as.quoted.NULL', 'as.quoted.call', 'as.quoted.character', 'as.quoted.factor', 'as.quoted.formula', 'as.quoted.name', 'as.quoted.numeric', 'as.quoted.quoted', 'c.quoted', 'dim.idf', 'length.indexed', 'length.indexed\_array', 'names.idf', 'names.indexed', 'names.indexed\_array', 'names.quoted', 'print.indexed', 'print.quoted', 'print.split', 'round\_any.POSIXct', 'round\_any.numeric' were declared in NAMESPACE but not found

Error: package or namespace load failed for 'RJafroc' in library.dynam(lib, package, package.lib):

DLL 'plyr' not found: maybe not installed for this architecture?

Execution halted

\* checking for unstated dependencies in 'tests' ... OK

\* checking tests ...

\*\* running tests for arch 'i386' ... [2s] OK

Running 'createLrocDataset.R' [0s]

Running 'testBinning.R' [0s]

Running 'testCadAnalysis.R' [0s]

Running 'testCorCbm.R' [0s]

Running 'testRsm.R' [0s]

Running 'testSSCode.R' [0s]

\*\* running tests for arch 'x64' ... [2s] OK

Running 'createLrocDataset.R' [0s]

Running 'testBinning.R' [0s]

Running 'testCadAnalysis.R' [0s]

Running 'testCorCbm.R' [0s]

Running 'testRsm.R' [0s]

Running 'testSSCode.R' [0s]

\* checking for unstated dependencies in vignettes ... OK

\* checking package vignettes in 'inst/doc' ... OK

\* checking re-building of vignette outputs ... [9s] OK

\* checking PDF version of manual ... WARNING

LaTeX errors when creating PDF version.

This typically indicates Rd problems.

LaTeX errors found:

! Package inputenc Error: Unicode char Î¼ (U+3BC)

(inputenc) not set up for use with LaTeX.

See the inputenc package documentation for explanation.

Type H <return> for immediate help.

! Package inputenc Error: Unicode char Î¼ (U+3BC)

(inputenc) not set up for use with LaTeX.

See the inputenc package documentation for explanation.

Type H <return> for immediate help.

! Package inputenc Error: Unicode char Î± (U+3B1)

(inputenc) not set up for use with LaTeX.

See the inputenc package documentation for explanation.

Type H <return> for immediate help.

! Package inputenc Error: Unicode char Î± (U+3B1)

(inputenc) not set up for use with LaTeX.

See the inputenc package documentation for explanation.

Type H <return> for immediate help.

! Package inputenc Error: Unicode char Î¼ (U+3BC)

(inputenc) not set up for use with LaTeX.

See the inputenc package documentation for explanation.

Type H <return> for immediate help.

! Package inputenc Error: Unicode char Î± (U+3B1)

(inputenc) not set up for use with LaTeX.

See the inputenc package documentation for explanation.

Type H <return> for immediate help.

\* checking PDF version of manual without hyperrefs or index ... ERROR

\* DONE

Status: 2 ERRORs, 1 WARNING, 2 NOTEs

The mandatory ‘Description’ field should give a comprehensive description of what the package does. One can use several (complete) sentences, but only one paragraph. It should be intelligible to all the intended readership (e.g. for a CRAN package to all CRAN users). It is good practice not to start with the package name, ‘This package’ or similar. As with the ‘Title’ field, double quotes should be used for quotations (including titles of books and articles), and single quotes for non-English usage, including names of other packages and external software. This field should also be used for explaining the package name if necessary. URLs should be enclosed in angle brackets, e.g. ‘<https://www.r-project.org>’: see also [Specifying URLs](https://cran.r-project.org/doc/manuals/r-release/R-exts.html#Specifying-URLs).

## After contacting support

Submit your package to http://win-builder.r-project.org. That will provide you access to all the output in the Rcheck.RJafroc directory.

Also note that the "Confirmation" step of the submission process suggests, "You could [run R CMD check] using the win-builder service at http://win-builder.r-project.org". And the CRAN Repository Policy

says, "It should be normal for those without Windows machines of their own to use the winbuilder service to check a package before submission." You could also use https://builder.r-hub.io/. Both are great resources for the community.

I would add to make certain you submit to both "R-release" and "R-devel" in particular since the error you are getting is from "R-devel". If you install the "devtools" package, that can do the submission to both for you.

There has been previous discussion on this list that "R-devel" does not load a complete distribution, therefore they may be different requirements on what is "Imported" or "Suggested".

showNonASCIIfile("~/RJafroc/man/RJafroc-package.Rd")

**Watch width on this file!!**

## To generate pdf file:

pack <- "RJafroc"

path <- find.package(pack)

system(paste(shQuote(file.path(R.home("bin"), "R")),

"CMD", "Rd2pdf", shQuote(path)))

**Afterwards delete hidden files created in RJafroc by this command**

## <https://builder.r-hub.io/> check

|  |
| --- |
| RJafroc 1.0.0: OK |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | **Build ID:** | RJafroc\_1.0.0.tar.gz-5a157402e10abbc038e175d84b829dca | | **Platform:** | Debian Linux, R-devel, GCC | | **Submitted:** | 8 minutes 7.6 seconds ago | | **Build time:** | 8 minutes 1.4 seconds | | |  | | See the full build log: [HTML](https://builder.r-hub.io/status/RJafroc_1.0.0.tar.gz-5a157402e10abbc038e175d84b829dca" \t "_blank), [text](https://builder.r-hub.io/status/original/RJafroc_1.0.0.tar.gz-5a157402e10abbc038e175d84b829dca" \t "_blank), [artifacts](https://artifacts.r-hub.io/RJafroc_1.0.0.tar.gz-5a157402e10abbc038e175d84b829dca" \t "_blank). | | Thank You for using the R-hub builder. | |

dsfakjlaskl .

winbuilder checks

see Dropbox/RJafroc100/tests

\* using log directory 'd:/RCompile/CRANguest/R-devel/RJafroc.Rcheck'

\* using R Under development (unstable) (2018-02-01 r74194)

\* using platform: x86\_64-w64-mingw32 (64-bit)

\* using session charset: ISO8859-1

\* checking for file 'RJafroc/DESCRIPTION' ... OK

\* checking extension type ... Package

\* this is package 'RJafroc' version '1.0.0'

\* checking CRAN incoming feasibility ... NOTE

Maintainer: 'Dev Chakraborty <dpc10ster@gmail.com>'

New maintainer:

Dev Chakraborty <dpc10ster@gmail.com>

Old maintainer(s):

Xuetong Zhai <xuetong.zhai@gmail.com>

Possibly mis-spelled words in DESCRIPTION:

binormal (17:1316)

modalities (17:2091)

radiological (17:1347)

reportable (17:797)

Package has a VignetteBuilder field but no prebuilt vignette index.

\* 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 hidden files and directories ... OK

\* checking for portable file names ... OK

\* checking serialized R objects in the sources ... OK

\* checking whether package 'RJafroc' can be installed ... OK

\* checking installed package size ... OK

\* checking package directory ... OK

\* checking DESCRIPTION meta-information ... NOTE

Maintainer field differs from that derived from Authors@R

Maintainer: 'Dev Chakraborty <dpc10ster@gmail.com>'

Authors@R: 'Xuetong Zhai <xuetong.zhai@gmail.com>'

\* checking top-level files ... NOTE

Non-standard file/directory found at top level:

'RJafroc.pdf'

\* 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

\* loading checks for arch 'i386'

\*\* 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 use of S3 registration ... OK

\* loading checks for arch 'x64'

\*\* 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 use of S3 registration ... OK

\* checking dependencies in R code ... OK

\* checking S3 generic/method consistency ... OK

\* checking replacement functions ... OK

\* checking foreign function calls ... OK

\* checking R code for possible problems ... [36s] OK

\* checking Rd files ... OK

\* checking Rd metadata ... OK

\* checking Rd line widths ... 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 contents of 'data' directory ... OK

\* checking data for non-ASCII characters ... OK

\* checking data for ASCII and uncompressed saves ... OK

\* checking line endings in C/C++/Fortran sources/headers ... OK

\* checking pragmas in C/C++ headers and code ... OK

\* checking compiled code ... OK

\* checking examples ...

\*\* running examples for arch 'i386' ... [46s] OK

\*\* running examples for arch 'x64' ... [47s] OK

\* checking PDF version of manual ... OK

\* DONE

Status: 3 NOTEs

## <http://win-builder.r-project.org>" check

\* using log directory 'd:/RCompile/CRANguest/R-release/RJafroc.Rcheck'

\* using R version 3.4.3 (2017-11-30)

\* using platform: x86\_64-w64-mingw32 (64-bit)

\* using session charset: ISO8859-1

\* checking for file 'RJafroc/DESCRIPTION' ... OK

\* checking extension type ... Package

\* this is package 'RJafroc' version '1.0.0'

\* checking CRAN incoming feasibility ... NOTE

Maintainer: 'Dev Chakraborty <dpc10ster@gmail.com>'

New maintainer:

Dev Chakraborty <dpc10ster@gmail.com>

Old maintainer(s):

Xuetong Zhai <xuetong.zhai@gmail.com>

Possibly mis-spelled words in DESCRIPTION:

binormal (17:1316)

modalities (17:2091)

radiological (17:1347)

reportable (17:797)

Package has a VignetteBuilder field but no prebuilt vignette index.

\* 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 hidden files and directories ... OK

\* checking for portable file names ... OK

\* checking whether package 'RJafroc' can be installed ... OK

\* checking installed package size ... OK

\* checking package directory ... OK

\* checking DESCRIPTION meta-information ... NOTE

Maintainer field differs from that derived from Authors@R

Maintainer: 'Dev Chakraborty <dpc10ster@gmail.com>'

Authors@R: 'Xuetong Zhai <xuetong.zhai@gmail.com>'

\* checking top-level files ... NOTE

Non-standard file/directory found at top level:

'RJafroc.pdf'

\* 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

\* loading checks for arch 'i386'

\*\* 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 use of S3 registration ... OK

\* loading checks for arch 'x64'

\*\* 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 use of S3 registration ... OK

\* checking dependencies in R code ... OK

\* checking S3 generic/method consistency ... OK

\* checking replacement functions ... OK

\* checking foreign function calls ... OK

\* checking R code for possible problems ... [33s] OK

\* checking Rd files ... OK

\* checking Rd metadata ... OK

\* checking Rd line widths ... 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 contents of 'data' directory ... OK

\* checking data for non-ASCII characters ... OK

\* checking data for ASCII and uncompressed saves ... OK

\* checking line endings in C/C++/Fortran sources/headers ... OK

\* checking compiled code ... OK

\* checking examples ...

\*\* running examples for arch 'i386' ... [49s] OK

\*\* running examples for arch 'x64' ... [61s] OK

\* checking PDF version of manual ... OK

\* DONE

Status: 3 NOTEs

# 2/4/18 and final submission

system("R CMD check --as-cran ~/Dropbox/RJafroc100tests/RJafroc\_1.0.0.tar.gz")

Dear Sir/Madam

I am resubmitting the package after considerable revision. The help from the R developer community was critical in addressing many of the errors. In particular they made me aware of two valuable resources for checking the package prior to CRAN submission. Here are the results of my tests.

On my Mac (OSX High Sierra), R CMD check

0 errors | 0 warnings | 0 notes

On my Mac (OSX High Sierra), R CMD check -- as - cran generated 2 notes related to the change in maintainer roles.

https://builder.r-hub.io/ checks

Ran with no error, warnings or notes

win-builder.r-project.org checks:

R version 3.4.3 and builder versions both generated 2 notes related to the change in maintainer roles.

They also flagged possibly misspelled words (binormal, modalities, radiological, reportable) which are, in fact, standard terms in the radiological assessment literature.

Other such terms, flagged on my previous submission, are abbreviations, spelled out at first occurrence.

All other errors, warnings and notes have been eliminated.

Change in maintainer

The original maintainer of this package (Mr. Xuetong Zhai) is no longer my student and has not been working on this project for more than a year. I still list him as the creator. I wish to assume the maintainer role. The maintenance transfer email is shown below. I can forward the actual email upon request.

Sincerely,

Dev Chakraborty

Prof. of Radiology, Retd

CEO ExpertCadAnalytics

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RJafroc maintenance transfer agreement

Zhai, Xuetong <xuetong.zhai@gmail.com> Thu, Jun 1, 2017 at 11:23 AM

To: Dev Chakraborty <dpc10ster@gmail.com>

Dear Dr. Chakraborty,

I agree to transfer the maintenance of the R package RJafroc to you.

Thank you,

Xuetong

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