

NMF: Unit testing results*

Renaud Gaujoux, Cathal Seoighe

NMF version 0.21 as of March 28, 2014

1 Details

RUNIT TEST PROTOCOL -- Fri Mar 28 13:50:10 2014

Number of test functions: 82

Number of deactivated test functions: 4

Number of errors: 0

Number of failures: 0

1 Test Suite :

package:NMF - 82 test functions, 0 errors, 0 failures

Details

Test Suite: package:NMF

Test function regexp: ^test.

Test file regexp: ^runit.*[rR]\$

Involved directory:

/tmp/Rpkglib_43f1233df370/NMF/tests

Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.aheatmap.R

test.mfrow: (1 checks) ... OK (0.45 seconds)

Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.algorithms.r

test.brunet: (16 checks) ... OK (3.69 seconds)

test.cversions.brunet: (1 checks) ... OK (0.93 seconds)

test.cversions.lee: (1 checks) ... OK (1.11 seconds)

test.cversions.lnmf : DEACTIVATED, Algorithm 'lnmf' is not fully working.

test.cversions.ns: (1 checks) ... OK (1.17 seconds)

test.cversions.offset: (1 checks) ... OK (2.37 seconds)

test.frobenius: (16 checks) ... OK (5.13 seconds)

test.KL: (16 checks) ... OK (4.18 seconds)

test.lee: (16 checks) ... OK (3.4 seconds)

test.lnmf : DEACTIVATED, Algorithm 'lnmf' is not fully working.

test.ns: (16 checks) ... OK (3.6 seconds)

test.offset: (16 checks) ... OK (3.69 seconds)

test.port_brunet: (9 checks) ... OK (3.99 seconds)

*Vignette computed on Fri Mar 28 13:50:10 2014

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test.snmf: (44 checks) ... OK (8.95 seconds)
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Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.bioc.r
test.access: (26 checks) ... OK (0.02 seconds)
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Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.distance.r
test.KL: (9 checks) ... OK (1.58 seconds)
test.rss: (4 checks) ... OK (0.08 seconds)
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Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.interface.r
test.compare: (5 checks) ... OK (11.21 seconds)
test.nmf.callback: (22 checks) ... OK (15.16 seconds)
test.nmf.custom: (87 checks) ... OK (1.56 seconds)
test.nmf.default: (8 checks) ... OK (0.23 seconds)
test.nmf.dots: (11 checks) ... OK (0.72 seconds)
test.nmf.method: (36 checks) ... OK (10.32 seconds)
test.nmf.model: (22 checks) ... OK (0.62 seconds)
test.nmfModel.formula: (12 checks) ... OK (0.94 seconds)
test.nmf.multirank: (10 checks) ... OK (5.39 seconds)
test.nmf.options: (18 checks) ... OK (5.3 seconds)
test.nmf.parameters: (53 checks) ... OK (0.82 seconds)
test.nmf.seed.argument: (149 checks) ... OK (9.38 seconds)
test.nmf.seed.equivalent: (11 checks) ... OK (10.38 seconds)
test.nmf.seed.fault: (4 checks) ... OK (2.67 seconds)
test.nmf.seed.repro: (8 checks) ... OK (13.36 seconds)
test.nmf.stop: (6 checks) ... OK (2.02 seconds)
test.parallel: (6 checks) ... OK (11.22 seconds)
test.registry: (9 checks) ... OK (0.14 seconds)
test.seed: (33 checks) ... OK (0.13 seconds)
test.summary: (3 checks) ... OK (2.8 seconds)
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Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.NMFclass.r
test.basis: (2 checks) ... OK (0 seconds)
test.class.NMFns: (65 checks) ... OK (0.03 seconds)
test.class.NMFstd: (28 checks) ... OK (0.01 seconds)
test.coef: (2 checks) ... OK (0 seconds)
test.connectivity: (3 checks) ... OK (0.01 seconds)
test.deviance: (9 checks) ... OK (0.01 seconds)
test.dimensions: (4 checks) ... OK (0 seconds)
test.dimnames: (173 checks) ... OK (0.06 seconds)
test.entropy: (5 checks) ... OK (0 seconds)
test.misc: (9 checks) ... OK (0 seconds)
test.nmfModel: (363 checks) ... OK (0.11 seconds)
test.NMF.rnmf: (93 checks) ... OK (1.02 seconds)
test.predict: (10 checks) ... OK (0.01 seconds)
test.purity: (5 checks) ... OK (0 seconds)
test.sparseness: (13 checks) ... OK (0.01 seconds)
test.subset: (50 checks) ... OK (0.04 seconds)
test.syntheticNMF: (5 checks) ... OK (1.29 seconds)
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Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.NMFfit-class.r
test.deviance: (0 checks) ... OK (0 seconds)
test.isNMFfit: (6 checks) ... OK (2.65 seconds)
test.niter: (4 checks) ... OK (0.93 seconds)
test.nmf.equal: (304 checks) ... OK (1.97 seconds)

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Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.NMFSet.r
test.fit: (9 checks) ... OK (3.03 seconds)
test.interface: (6 checks) ... OK (1.62 seconds)
test.join.multipleAndSingleRunsMethods: (2 checks) ... OK (3.78 seconds)
test.join.multipleRuns: (2 checks) ... OK (4.07 seconds)
test.join.singleRuns: (7 checks) ... OK (0.73 seconds)
test.multipleruns: (2 checks) ... OK (1.63 seconds)
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Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.NMFStrategy-class.r
test.accessors: (26 checks) ... OK (0.04 seconds)
test.constructor: (16 checks) ... OK (0.04 seconds)
test.constructorMethod: (3 checks) ... OK (0.02 seconds)
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Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.options.r
test.nmf.getOption: (2 checks) ... OK (0 seconds)
test.nmf.options: (9 checks) ... OK (0 seconds)
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Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.parallel.r
test.ForeachBackend: (4 checks) ... OK (1.39 seconds)
test.gVariable: (11 checks) ... OK (10.52 seconds)
test.nmf: (59 checks) ... OK (47.12 seconds)
test.setupBackend: (4 checks) ... OK (0.1 seconds)
test.shared_memory_doMC: (12 checks) ... OK (6.11 seconds)
test.shared_memory_doMPI : DEACTIVATED, NMF shared memory feature does not currently work with doMPI.
test.shared_memory_doParallel: (12 checks) ... OK (9.87 seconds)
test.shared_memory_doSEQ: (11 checks) ... OK (6.48 seconds)
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Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.seed.r
test.nndsvd: (10 checks) ... OK (0.03 seconds)
test.none: (6 checks) ... OK (0.04 seconds)
test.random: (26 checks) ... OK (0.13 seconds)
test.restore : DEACTIVATED, The option 'restore.seed' is deprecated. Related tests are now in test.seed.
test.seed.effect: (15 checks) ... OK (16.27 seconds)
test.zzz.all: (297 checks) ... OK (16.85 seconds)
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Test file: /tmp/Rpkglib_43f1233df370/NMF/tests/runit.utils.r
test.nmfWrapper: (16 checks) ... OK (0.87 seconds)
test.rmatrix: (16 checks) ... OK (0.02 seconds)

Total execution time
*****
      user  system elapsed
271.575   37.529  296.024

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Session Information

- R version 3.0.3 (2014-03-06), x86_64-pc-linux-gnu
- Locale: LC_CTYPE=en_US.UTF-8, LC_NUMERIC=C, LC_TIME=en_US.UTF-8, LC_COLLATE=en_US.UTF-8, LC_MONETARY=en_US.UTF-8, LC_MESSAGES=en_US.UTF-8, LC_PAPER=en_US.UTF-8, LC_NAME=C, LC_ADDRESS=C, LC_TELEPHONE=C, LC_MEASUREMENT=en_US.UTF-8, LC_IDENTIFICATION=C
- Base packages: base, datasets, graphics, grDevices, methods, parallel, stats, utils

- Other packages: BH 1.51.0-4, bigmemory 4.4.6, bigmemory.sri 0.1.2, Biobase 2.22.0, BiocGenerics 0.8.0, cluster 1.15.1, doMPI 0.2, doParallel 1.0.8, fastICA 1.2-0, foreach 1.4.1, iterators 1.0.6, NMF 0.21, pkgmaker 0.21, RColorBrewer 1.0-5, Rcpp 0.11.1, RcppOctave 0.14.1, registry 0.2, Rmpi 0.6-3, rngtools 1.2.4, RUnit 0.4.26, stringr 0.6.2, synchronicity 1.1.4
- Loaded via a namespace (and not attached): codetools 0.2-8, colorspace 1.2-4, compiler 3.0.3, dichromat 2.0-0, digest 0.6.4, ggplot2 0.9.3.1, grid 3.0.3, gridBase 0.4-7, gtable 0.1.2, labeling 0.2, MASS 7.3-30, munsell 0.4.2, plyr 1.8.1, proto 0.3-10, reshape2 1.2.2, scales 0.2.3, tools 3.0.3, xtable 1.7-3