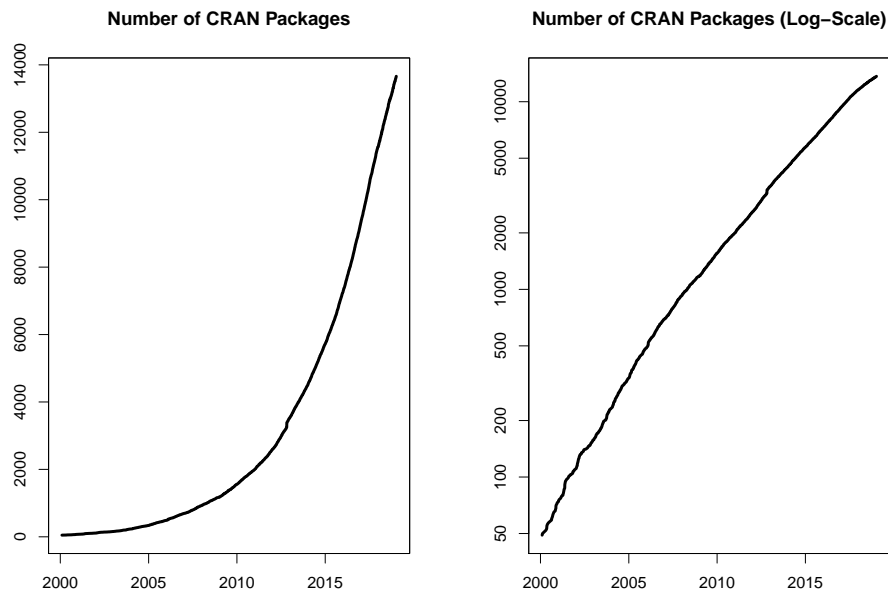# Changes on CRAN

2018-07-01 to 2018-12-31

by Kurt Hornik, Uwe Ligges, and Achim Zeileis

In the past 6 months, 1029 new packages were added to the CRAN package repository. 68 packages were unarchived, 122 archived, and one removed. The following shows the growth of the number of active packages in the CRAN package repository:

On 2018-12-31, the number of active packages was around 13592.

Changes in the CRAN Repository Policy

The Policy now says the following:

- Packages which use Internet resources should fail gracefully with an informative message if the resource is not available (and not give a check warning nor error).

CRAN package submissions

During the last 6 months (July to December 2018), CRAN received 10259 package submissions. For these, 16830 actions took place of which 11618 (69%) were auto processed actions and 5212 (31%) manual actions.

Minus some special cases, a summary of the auto-processed and manually triggered actions follows:

action	archive	inspect	pending	pretest	publish	recheck
auto	2731	4341	460	0	3148	938
manual	1902	70	286	145	2262	547

These include the final decisions for the submissions which were

action	archive	publish
auto	2562 (26.1%)	2779 (28.3%)
manual	1861 (18.9%)	2620 (26.7%)

where we only count those as *auto* processed whose publication happened automatically in all steps.

CRAN mirror security

Currently, there are 100 official CRAN mirrors, 68 of which provide both secure downloads via 'https' *and* use secure mirroring from the CRAN master (via rsync through ssh tunnels). Since the R 3.4.0 release, chooseCRANmirror() offers these mirrors in preference to the others which are not fully secured (yet).

New CRAN task views

Databases Topic: Databases with R. Maintainer: Yuan Tang. Packages: **DBI***, **DBItest**, **MonetDBLite**, **R4CouchDB**, **RCassandra**, **RGreenplum**, **RH2**, **RJDBC**, **RMariaDB**, **RMySQL**, **ROracle**, **RPostgreSQL**, **RPostgres**, **RPresto**, **RSQLite**, **RcppRedis**, **TScompare**, **bigrquery**, **dbfaker**, **dbplyr**, **dplyr**, **dplyr.teradata**, **elastic**, **filehashSQLite**, **implyr**, **influxdbr**, **liteq**, **mongolite**, **odbc***, **pivot**, **pointblank**, **pool**, **redux**, **rpostgis**, **sqldf**, **tidyr**, **uptasticsearch**.

MissingData Topic: Missing Data. Maintainer: Julie Josse, Nicholas Tierney and Nathalie Vialaneix (r-miss-tastic team). Packages: **Amelia***, **BaBooN**, **BaylorEdPsych**, **CALIBERrfimpute**, **CMF**, **CRTgeeDR**, **CVThresh**, **CoImp**, **DMwR**, **DTWBI**, **DTWUMI**, **DescTools**, **DiffusionRimp**, **DrImpute**, **FHDI**, **FamEvent**, **FastImputation**, **ForImp**, **GSE**, **GenForImp**, **Haplin**, **HardyWeinberg**, **Hmisc**, **HotDeckImputation**, **JointAI**, **MissMech**, **MixedDataImpute**, **NNLM**, **NPBayesImputeCat**, **OpenMx**, **PSIMEX**, **PSM**, **PST**, **QTLRel**, **Qtools**, **RNAseqNet**, **ROptSpace**, **Rmagic**, **Rphylopars**, **SNPassoc**, **StAMPP**, **StatMatch**, **StratifiedRF**, **TAM**, **TAR**, **TVsMiss**, **TestDataImputation**, **TippingPoint**, **TreePar**, **TreeSim**, **VIM***, **VIMGUI**, **VarSelLCM**, **WaverR**, **accelmissing**, **ade4**, **alleHap**, **brlrmr**, **cat**, **cdparcoord**, **cobalt**, **cutoffR**, **dejaVu**, **denoiseR**, **dils**, **dlookr**, **eigenmodel**, **experiment**, **extracat**, **fastLink**, **filling**, **forecast**, **gapfill**, **gsynth**, **hmi**, **hot.deck***, **icdGLM**, **icenReg**, **idealstan**, **idem**, **imputePSF**, **imputeTS***, **imputeTestbench**, **ipw**, **jomo***, **lavaan**, **ltm**, **mdmb**, **memisc**, **mi**, **mice***, **miceFast**, **miceMNAR**, **miceadds**, **micemd**, **mirt**, **missForest**, **missMDA***, **mitml**, **mitools**, **mix**, **naniar***, **nipals**, **norm**, **padr**, **pan**, **phylin**, **plsRglm**, **powerlmm**, **prefmod**, **prophet**, **pseval**, **randomForest**, **reddPrec**, **robCompositions**, **robustrao**, **rsem**, **rtop**, **samon**, **sbart**, **sbgcop**, **scorecardModelUtils**, **simputation**, **sjlabelled**, **sjmisc**, **smcfcs**, **softImpute***, **spacetime**, **sptemExp**, **stlplus**, **swgee**, **tabplot**, **tidyimpute**, **timeSeries**, **tsibble**, **wNNSel**, **wrangle**, **xts**, **yaImpute***, **zCompositions**, **zoo**.

(* = core package)

New packages in CRAN task views

ChemPhys **ATmet**, **MALDIrppa**, **NISTunits**, **constants**, **errors**, **fingerprint**, **measurements**, **metRology**, **spectralAnalysis**, **units**.

Cluster **MixAll**.

DifferentialEquations **diffeqr**, **sundialr**.

Distributions **Wrapped**, **bivariate**, **pgdraw**.

Econometrics **bife**, **nse**.

Finance **PeerPerformance**, **crseEventStudy**, **riskParityPortfolio**.

HighPerformanceComputing **bigstatsr**, **qsub**.

MetaAnalysis **MetaStan**, **MetaSubtract**, **dfmeta**, **metamedian**, **ofGEM**, **puniform**.

NumericalMathematics **chebpol**, **freegroup**.

OfficialStatistics **BayesSAE**, **RRreg**, **SmallCountRounding**, **census**, **censusGeography**, **emdi**, **idbr**, **ipumsr**, **noncensus**, **sae**, **tidycensus**.

Optimization **caRamel**, **lbfgsb3c**, **nilde**, **osqp**.

Phylogenetics **apex**, **aphid**, **brms**, **brranching**, **ecospat**, **entropart**, **enveomics.R**, **hisse**, **metacoder**, **nodiv**, **picante**, **warbleR**.

Psychometrics **NetworkToolbox**, **TreeBUGS**, **cNORM**, **equateMultiple**, **ifaTools**, **mudfold**.

Spatial **RPostgreSQL**, **cartogram**, **geogrid**, **geometa**, **geonapi**, **geosapi**, **inlmisc**, **landscapemetrics**, **leaflet**, **lwgeom**, **ows4R**, **rnaturalearth**, **stars**.

TimeSeries **ARCensReg**, **FKF**, **GNAR**, **NTS**, **RTransferEntropy**, **TSEntropies**, **changepoint.mv**, **dsa**, **ggTimeSeries**, **gmvarkit**, **graphicalVAR**, **imputePSF**, **imputeTestbench**, **mgm**, **multDM**, **rollRegres**, **sugrrants**, **sym.arma**, **tbrf**.

WebTechnologies **HIBPwned**, **LendingClub**, **OpenML**, **RSauceLabs**, **RSocrata**, **Rcrawler**, **WikidataQueryServiceR**, **ZillowR**, **ajv**, **analogsea**, **aws.polly**, **aws.s3**, **aws.sns**, **banR**, **birdnik**, **brandwatchR**, **colourlovers**, **crminer**, **crplyr**, **crul***, **crunch**, **crunchy**, **docuSignr**, **duckduckr**, **facebook.S4**, **fauxpas**, **feedeR**, **fulltext**, **ganalytics**, **gdns**, **geonapi**, **geosapi**, **gh**, **giphyr**, **googleComputeEngineR**, **googleLanguageR**, **htm2txt**, **htmltidy**, **htmltools**, **httpcode**, **httptest**, **internetarchive**, **iptools**, **js**, **jstor**, **languagelayeR**, **mapsapi**, **mathpix**, **ndjson**, **notifyme**, **owmr**, **ows4R**, **pivotaltrackR**, **plotly**, **postlightmercury**, **radiant**, **rapiclient**, **rcoreoa**, **rcrossref**, **rdpla**, **rdrop2**, **refimpact**, **reqres**, **rerddap**, **restfulr**, **rhub**, **rjsonapi**, **roadoi**, **robotstxt**, **routr**, **rpinterest**, **rtweet**, **rwars**, **securitytxt**, **seleniumPipes**, **sparkbq**, **spiderbar**, **swagger**, **tidyRSS**, **trelloR**, **tuber**, **tubern**, **ubeR**, **udapi**, **validatejsonr**, **vcr***, **vkR**, **webmockr***, **xslt**.

(* = core package)

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