Kurt Hornik and Uwe Ligges and Achim Zeileis

Changes on CRAN. 2018-07-01 to 2018-12-31

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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:

<table>
<thead>
<tr>
<th>action</th>
<th>archive</th>
<th>inspect</th>
<th>pending</th>
<th>pretest</th>
<th>publish</th>
<th>recheck</th>
</tr>
</thead>
<tbody>
<tr>
<td>auto</td>
<td>2731</td>
<td>4341</td>
<td>460</td>
<td>0</td>
<td>3148</td>
<td>938</td>
</tr>
<tr>
<td>manual</td>
<td>1902</td>
<td>70</td>
<td>286</td>
<td>145</td>
<td>2262</td>
<td>547</td>
</tr>
</tbody>
</table>

These include the final decisions for the submissions which were

<table>
<thead>
<tr>
<th>action</th>
<th>archive</th>
<th>publish</th>
</tr>
</thead>
<tbody>
<tr>
<td>auto</td>
<td>2562 (26.1%)</td>
<td>2779 (28.3%)</td>
</tr>
<tr>
<td>manual</td>
<td>1861 (18.9%)</td>
<td>2620 (26.7%)</td>
</tr>
</tbody>
</table>
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


**MissingData** Topic: Missing Data. Maintainer: Julie Josse, Nicholas Tierney and Nathalie Vialaneix (r-miss-tastic team). Packages: Amelia*, BaBooN, BaylorEdPsych, CALIBER/impute, CMF, CRTgeeDR, CVThresh, Colimp, DMwR, dtk, DBI, DescTools, DiffusionRimp, DrImpute, FHL, FamEvent, FastImputation, ForIMP, GSE, GenForImp, Hablin, HardyWeinberg, Hmisc, HotDeckImputation, JointAI, MissMech, MixedDataImpute, NLN, NPBayesImputeCat, OpenMx, PSIMEX, PSM, PTP, QTLRel, Qtools, RAnalysisNet, ROptSpace, Rmagic, Rphylopars, SNPassoc, STAMP, StatMatch, StratifiedRF, TAM, TAR, TVsMiss, TestDataImputation, TippingPoint, TreePar, TreeSim, VIM*, VIMGUI, VarSelLRCM, WaverR, accelmissing, ade4, alleleHap, brrm, cat, cdparcoord, cobalt, cutofffit, dejavu, denoiseR, dils, dlokr, eigenmodel, experiment, extracat, fastLink, filling, forecast, gapfill, gsynth, hmi, hot.deck*, icdGLM, icenReg, idealstan, idem, imputePSF, imputeTS*, imputeTestbench, ipw, jomo*, lavaan, ltmm, mdmb, memisc, mi, mice*, miceFast, miceMNAR, miceadds, micemd, mirt, missForest, missMDA*, mitml, mitools, mix, nanier*, nipals, norm, padr, pan, phylin, plsRglm, powerlm, premod, prophet, pseval, randomForest, reedPRec, robCompositions, robustbase, rsem, rtop, samon, sbart, sbgcp, scorecardModelUtils, simputation, sjlabelled, smisc, smcfcs, softimpute*, spacetime, stpmExp, stlplus, swgee, tabplot, tidyimpute, timeSeries, tsibble, wNNSel, wrangle, xts, yaImpute*, zCompositions, zoo.

(*) = core package

New packages in CRAN task views

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

**Cluster** MixAll.

**DifferentialEquations** diffdeqr, 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, naturalearth, stars.


(* = core package)

Kurt Hornik
WU Wirtschaftsuniversität Wien, Austria
Kurt.Hornik@R-project.org

Uwe Ligges
TU Dortmund, Germany
Uwe.Ligges@R-project.org

Achim Zeileis
Universität Innsbruck, Austria
Achim.Zeileis@R-project.org