Changes on CRAN
2021-01-01 to 2021-06-30

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In the past 6 months, 1290 new packages were added to the CRAN package repository. 116 packages were unarchived and 467 were archived. The following shows the growth of the number of active packages in the CRAN package repository:

On 2021-06-30, the number of active packages was around 17778.

CRAN package submissions

During the the last three quarters (September 2020 to June 2021), CRAN received 25426 package submissions. For these, 44844 actions took place of which 29039 (65%) were auto processed actions and 15805 (35%) manual actions.

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

<table>
<thead>
<tr>
<th></th>
<th>archive</th>
<th>inspect</th>
<th>newbies</th>
<th>pending</th>
<th>pretest</th>
<th>publish</th>
<th>recheck</th>
<th>waiting</th>
</tr>
</thead>
<tbody>
<tr>
<td>auto</td>
<td>6191</td>
<td>5988</td>
<td>5585</td>
<td>0</td>
<td>0</td>
<td>7244</td>
<td>2429</td>
<td>1602</td>
</tr>
<tr>
<td>manual</td>
<td>6586</td>
<td>117</td>
<td>874</td>
<td>855</td>
<td>249</td>
<td>5467</td>
<td>1322</td>
<td>335</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>5573 (22.5%)</td>
<td>6131 (24.8%)</td>
</tr>
<tr>
<td>manual</td>
<td>6478 (26.2%)</td>
<td>6544 (26.5%)</td>
</tr>
</tbody>
</table>

where we only count those as auto processed whose publication or rejection happened automatically in all steps.
CRAN mirror security

Currently, there are 103 official CRAN mirrors, 82 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 packages in CRAN task views

Bayesian causact, dina, edina, errum, greta, mcmcensemble, rrum, shinybrms.


Cluster mdendro, mixR.

DifferentialEquations RxODE, mrgsolve, nlmixr.

Econometrics collapse, ivreg, lfe.

Finance AssetCorr, LSMRealOptions, NFCP, frenchdata, garchmodels.

FunctionalData face, mfaces, sparseFLMM.

HighPerformanceComputing proffer, profile, profmem, targets.

Hydrology AWAPer, HydroMe, LWFBrook90R, MODISTsp, airGRdatassim, synthesis, telemac.

MachineLearning DoubleML, lightgbm*, mlpack, splitTools.

MetaAnalysis CoTiMA, DTAplots, EvidenceSynthesis, MetaIntegration, RoBMA, RobustBayesianCopas, bma, boutliers, forpl0, fsn, gmeta, metaSurvival, metamicrobiomeR, metapack, nmaplateplot, smd.

MissingData InformativelCensoring, NADIA, dejaVu, grf, idem, lqR, misaem, missRanger, mixture, norm2, samon, semTools.

NumericalMathematics sanic.

OfficialStatistics collapse, longCatEDA, sdcMicro, simPop.

Optimization QPmin, SPOT, psoq, rminizinc, rmoo.

Psychometrics ata, tidyLPA.

ReproducibleResearch knitr,citations, reportfactory, targets.

Robust clubSandwich, clusterSEs, skewlmm.

Spatial GWmodel, RCzechia, chilemapas, dbmss, geobr, geouy, giscoR, ipdw, mapSpain, osmextract, rgee, rguik, terra.

Survival Cyclops, DAAG, InformativeCensoring, LTRCtrees, LogicReg, SGL, SimSurvN-Marker, YPmodel, asbio, bayesSurv, bujar, conreg, etm, frailtyHL, frailtySurv, frailtypack, joineRML, kmc, kmi, mets, mlr3proba, npsurv, plsRcox, reReg, rstanarm, simPH, smoothSurv, spef, superpc, tranSurv.

TimeSeries HDTSA, LTS, Rcatch22, Rsfar, VARDetec, autostsm, bayesforecast, blocklength, clock, collapse, dynr, fpcb, gsignal, legion, mfbvar, struchangeRcpp, tensorTS, tsrobprep.

WebTechnologies AzureCosmosR, AzureGraph, AzureKusto, AzureQstor, AzureTableStor, AzureVision, Microsoft365R.
(*) = core package

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