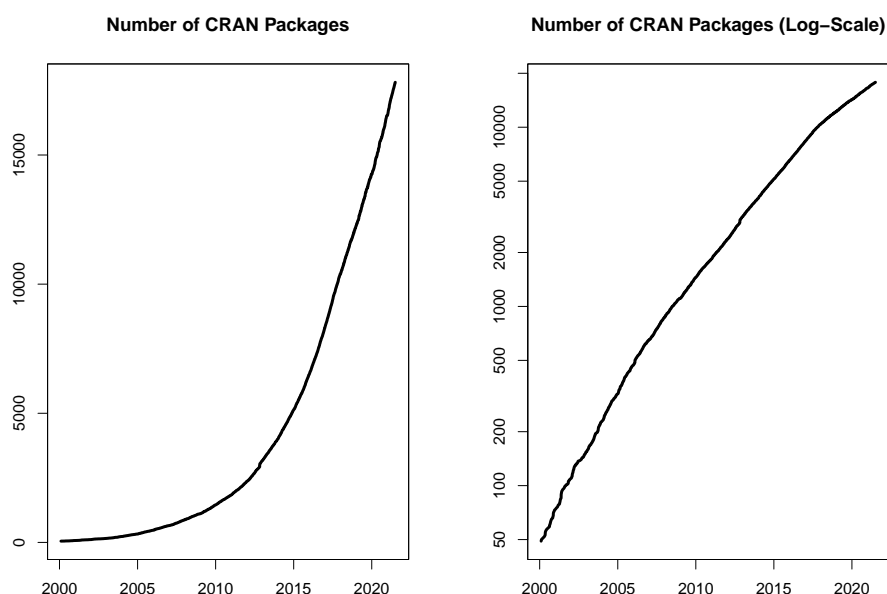# Changes on CRAN

2021-01-01 to 2021-06-30

by Kurt Hornik, Uwe Ligges and Achim Zeileis

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:

Number of CRAN Packages   **Number of CRAN Packages (Log–Scale)**

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:

	archive	inspect	newbies	pending	pretest	publish	recheck	waiting
auto	6191	5988	5585	0	0	7244	2429	1602
manual	6586	117	874	855	249	5467	1322	335

These include the final decisions for the submissions which were

action	archive	publish
auto	5573 (22.5%)	6131 (24.8%)
manual	6478 (26.2%)	6544 (26.5%)

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**.

ClinicalTrials **DTAT**, **Keyboard**, **MinEDfind**, **PowerUpR**, **UnifiedDoseFinding**, **cosa**, **crmPack**, **presize**, **randomizeR**, **replicateBE**, **rpact**, **simglm**.

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**, **bnma**, **boutliers**, **forplo**, **fsn**, **gmeta**, **metaSurvival**, **metamicrobiomeR**, **metapack**, **nmaplateplot**, **smd**.

MissingData **InformativeCensoring**, **NADIA**, **dejaVu**, **grf**, **idem**, **lqr**, **misaem**, **missRanger**, **mixture**, **norm2**, **samon**, **semTools**.

NumericalMathematics **sanic**.

OfficialStatistics **collapse**, **longCatEDA**, **sdcMicro**, **simPop**.

Optimization **QPmin**, **SPOT**, **psqn**, **rminizinc**, **rmoo**.

Psychometrics **ata**, **tidyLPA**.

ReproducibleResearch **knitcitations**, **reportfactory**, **targets**.

Robust **clubSandwich**, **clusterSEs**, **skewlmm**.

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

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

TimeSeries **HDTSA**, **LSTS**, **Rcatch22**, **Rsfar**, **VARDetect**, **autostsm**, **bayesforecast**, **blocklength**, **clock**, **collapse**, **dynr**, **fpcb**, **gsignal**, **legion**, **mfbvar**, **strucchangeRcpp**, **tensorTS**, **tsrobprep**.

WebTechnologies **AzureCosmosR**, **AzureGraph**, **AzureKusto**, **AzureQstor**, **AzureTableStor**, **AzureVision**, **Microsoft365R**.

(* = 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