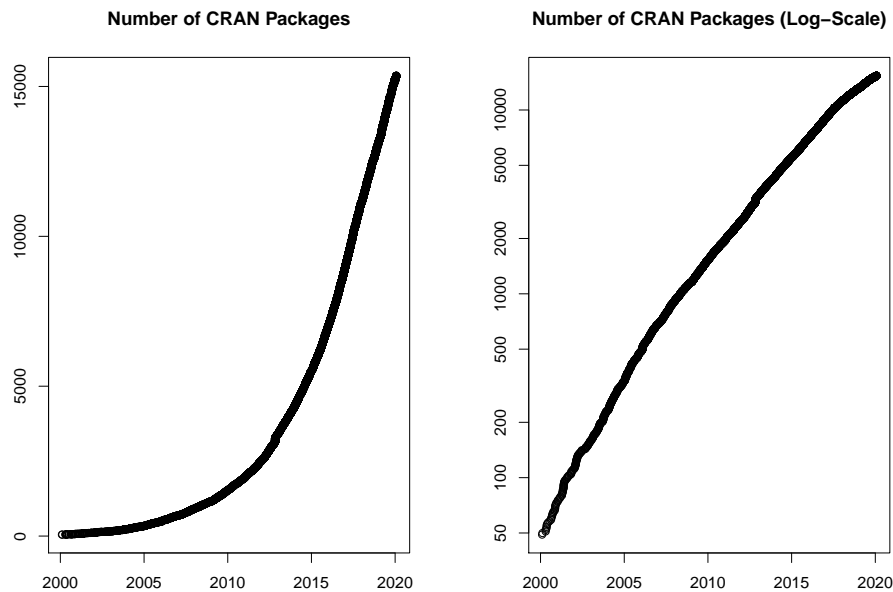# Changes on CRAN

2019-09-01 to 2019-12-31

by Kurt Hornik, Uwe Ligges and Achim Zeileis

In the past 4 months, 632 new packages were added to the CRAN package repository. 27 packages were unarchived and 182 were archived. The following shows the growth of the number of active packages in the CRAN package repository:

On 2019-12-31, the number of active packages was around 15227.

Changes in the CRAN Repository Policy

The Checklist for CRAN submissions now says the following:

- Make the Description as informative as possible for potential new users of your package. If in doubt, make the Description longer rather than shorter, but try to avoid redundancies such as repetitions of the package name.

- Write function names including parentheses as in `foo()` but without quotes.

CRAN package submissions

CRAN mirror security

Currently, there are 97 official CRAN mirrors, 67 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

Tracking Topic: Processing and Analysis of Tracking Data. Maintainer: Rocío Joo, Matthew E. Boone, Michael Sumner and Mathieu Basille. Packages: **BBMM**, **BayesianAnimalTracker**, **EMbC**, **FLightR**, **GGIR**, **GeoLight**, **PhysicalActivity**, **SDLfilter**, **SiM-**

Riv, SimilarityMeasures, TrackReconstruction, TrajDataMining, VTrack, acc, accelerometry, adehabitatHR, adehabitatLT*, amt, animalTrack, anipaths, argosfilter, bcpa, bsam, caribou, crawl, ctmcmove, ctmm, diveMove, foieGras, m2b, marcher, mkde, momentuHMM, move*, moveHMM, moveVis, moveWindSpeed, nparACT, pawacc, recurse, rpostgisLT, rsMove, segclust2d, smam, spatsoc, trackdem, trackeR, trajectories, trajr, trip, tripEstimation, wildlifeDI.

(* = core package)

New packages in CRAN task views

ChemPhys RadData, radsafer.

Distributions MomTrunc, OwenQ, TruncatedNormal, distr6, distributions3, parameters, spam, truncdist.

Econometrics durmod, lpirfs.

HighPerformanceComputing RxODE.

Hydrology FedData, VICmodel, baseflow, echor, nasapower, openair.

MachineLearning mlr3.

MetaAnalysis BayesCombo, CopulaDTA, EValue, GENMETA, GMCM, HSROC, KenSyn, MBNMAdose, MBNMAtime, NMAoutlier, PRISMAstatement, PublicationBias, RBesT, RcmdrPlugin.MA, SingleCaseES, baggr, catmap, effectsize, harmonicmeanp, jarbes, mc.heterogeneity, metaBLUE, metacart, metapro, mixmeta, nmadb.

MissingData MatchThem.

NumericalMathematics HypergeoMat, SQUAREM, calculus, commonsMath, daarem, freealg, jack, kubik, matlib, mbend, turboEM, wedge.

OfficialStatistics MatchThem, RJDemetra, diyar, simPop, tidyqwi.

Optimization GPareto, Jaya, OOR, SCOR, nonneg.cg, roptim.

Pharmacokinetics RxODE, nlmixr.

Psychometrics conquestr, jrt, psychonetrics.

ReproducibleResearch DataPackageR, ProjectTemplate, RSuite, RepoGenerator, adapr, cabinets, drake, exreport, here, madrat, makeProject, orderly, prodigenr, projects, renv, repo, reports, represtools, storr, tinyProject, usethis, workflowr, zoon.

SpatioTemporal AtmRay, EMbC, SDLfilter, SiMRiv, SpaTimeClus, amt, anipaths, bsam, caribou, eyelinker, eyetracking, eyetrackingR, foieGras, gazepath, marcher, mdftracks, momentuHMM, mousetrack, mousetrap, moveVis, moveWindSpeed, movecost, oce, opentraj, psyosphere, rerddapXtracto, riverdist, rpostgisLT, rsMove, saccades, spatsoc, stampr, stplanr, trackdem, trackdf, trackeRapp, trajectories, trajr.

TeachingStatistics BetaBit, DALEX, HH, car, carData, effects, regtools, resampledata.

TimeSeries VARshrink, fable*, feasts*, forecastML, fpp3, nsarfima, sazedR.

gR bnclassify, mgm, qgraph, sna.

(* = core package)

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