InModelia

RWsearch: a package for CRAN users and task view maintainers

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useR! 2019 - Toulouse

contact: contact@user2019.fr

The probability distribution task view

- 120 – 140 new packages per month in CRAN
- About 10 of them cite distributions or introduce a new distribution
- We want to detect these packages as early as possible
- And, eventually, add these new packages in the task view

https://cran.univ-paris1.fr/web/views/Distributions.html
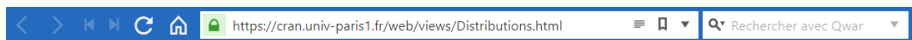
CRAN Task View: Probability Distributions

Maintainer: Christophe Dutang, Patrice Kiener
Contact: Christophe.Dutang at ensimag.fr
Version: 2019-05-12
URL: https://CRAN.R-project.org/view=Distributions

For most of the classical distributions, base R provides probability distribution functions (p), density functions (d), quantile functions (q), and random number generation (r). Beyond this basic functionality, many CRAN packages provide additional useful distributions. In particular, multivariate distributions as well as copulas are available in contributed packages.

Ultimate bibles on probability distributions are:

CRAN by Date : 23 uploaded packages in one day

Available CRAN Packages By Date of Publication

Date	Package	Title
2019-07-11	altair	Interface to 'Altair'
2019-07-11	AsyK	Density Estimation by Using Asymmetrical Kernels
2019-07-11	BNPdensity	Ferguson-Klass Type Algorithm for Posterior Normalized Random Measures
2019-07-11	commonsMath	JAR Files of the Apache Commons Mathematics Library
2019-07-11	cowplot	Streamlined Plot Theme and Plot Annotations for 'ggplot2'
2019-07-11	DEEVD	Density Estimation for Extreme Value Distribution
2019-07-11	DELTD	Density Estimation by Life Time Distributions
2019-07-11	genlasso	Path Algorithm for Generalized Lasso Problems
2019-07-11	ICAMS	In-depth Characterization and Analysis of Mutational Signatures ('ICAMS')
2019-07-11	jackalope	A Swift, Versatile Phylogenomic and High-Throughput Sequencing Simulator
2019-07-11	kdensity	Kernel Density Estimation with Parametric Starts and Asymmetric Kernels
2019-07-11	microseq	Basic Biological Sequence Handling
2019-07-11	mize	Unconstrained Numerical Optimization Algorithms
2019-07-11	NeuralSens	Sensitivity Analysis of Neural Networks
2019-07-11	NPP	Normalized Power Prior Bayesian Analysis
2019-07-11	packageRank	Computation and Visualization of Package Download Counts and Percentiles
2019-07-11	raster	Geographic Data Analysis and Modeling
2019-07-11	rayshader	Create and Visualize Hillshaded Maps from Elevation Matrices
2019-07-11	readwritesqlite	Enhanced Reading and Writing for 'SQLite' Databases
2019-07-11	redlistr	Tools for the IUCN Red List of Ecosystems and Species
2019-07-11	rehh	Searching for Footprints of Selection using 'Extended Haplotype Homozygosity' Based Tests
2019-07-11	rematch2	Tidy Output from Regular Expression Matching
2019-07-11	utile.visuals	Create Visuals for Publication
2019-07-10	asymmetry	Multidimensional Scaling of Asymmetric Data

Package 'RWsearch'

May 29, 2019

Title Lazy Search in R Packages, Task Views, CRAN, the Web. All-in-One
Download

Description Search by keywords in R packages, task views, CRAN, the web and display the results in console, txt, html or pdf pages. Download the whole documentation (html index, pdf manual, vignettes, source code, etc) with a single instruction. Visualize the package dependencies. Several functions for task view maintenance and exploration of CRAN archive. Quick links to more than 70 web search engines. Lazy evaluation of non-standard content is available throughout the package and eases the use of many functions.

Version 4.6

Date 2019-05-29

Depends R (>= 3.4.0)

Imports brew, latexpdf, networkD3, sig, sos, XML

Suggests ctv, cranly, findR, foghorn, knitr, pacman, pkgnet, rmarkdown

License GPL-2

Maintainer Patrice Kiener <fattailsr@inmodelia.com>

NAMESPACE ⇒ 166 exported functions (70 for the web)

RWsearch : Main objectives

- Explore the **CRAN**
  - Discover (every day) the removed, **new** and **updated** packages
  - **Search** for packages by date, by **author + maintainer**
  - **Search** for packages by **keywords**
  - Visualize package **dependencies** (parent, children)
  - **Download** the package documentation
  - Search for packages in **Task Views** + TV maintenance

- Explore the **WEB**
  - More than 70 **bookmarks**/favorites

- Non-Standard Evaluation everywhere (no need to quote words)

library(RWsearch)

```
> tvdb_down()
tvdb.rda saved. tvdb loaded. 40 task views listed between 2015-01-07 and 2019-07-03
> (lst <- crandb_down())  # 20 seconds
$newfile
[1] "crandb.rda saved and loaded. 14498 packages listed between 2006-03-15 and 2019-07-04"
[2] "7 removed, 13 new, 41 refreshed, 54 uploaded packages."

$oldfile
[1] "crandb.rda 14492 packages listed between 2006-03-15 and 2019-07-03"

$removed_packages
[1] "bujar"         "ggpval"        "lazytrade"     "learningCurve" "mpath"         "mrgsolve"
[7] "tricolore"

$new_packages
 [1] "alfr"          "cassandRa"     "kernelTDA"     "modeLLtest"    "psychNET"      "retractcheck"  "RKHSMetaMod"
 [8] "RPEIF"         "sdcSpatial"    "semnar"        "snahelper"     "socceR"        "xlink"

$uploaded_packages
 [1] "afex"          "alfr"          "BayesianFROC"  "blockForest"   "cassandRa"
 [6] "compound.Cox"  "coxme"         "dad"           "expoRkit"      "FactoInvestigate"
[11] "FactoMineR"    "factorMerger"  "foieGras"      "fxtract"       "gam"
[16] "GGIR"          "ggmcmc"        "GWmodel"       "heemod"        "hesim"
[21] "jstable"       "kernelTDA"     "KScorrect"     "lavaan"        "LeafArea"
[26] "MarketMatching" "marmap"       "modeLLtest"    "nopaco"        "Omisc"
[31] "plot.matrix"   "processx"      "PRSim"         "psychNET"      "radir"
[36] "rbacon"        "RcppAlgos"     "retractcheck"  "RKHSMetaMod"   "RPEIF"
[41] "RSGHB"         "SAFD"          "sdcSpatial"    "semnar"        "sf"
[46] "shallot"       "simmr"         "SmartEDA"      "snahelper"     "socceR"
[51] "vip"           "WebGestaltR"   "xlink"         "zip"
```

`p_table2(pkgs)` $\Rightarrow$ **Package Name + Title**
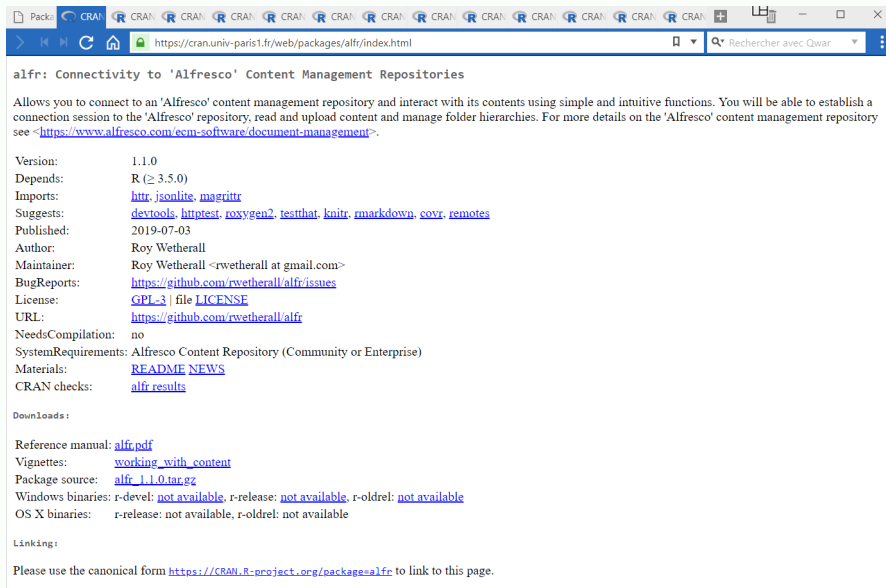
```
> pkgs <- lst$new_packages ; pkgs
 [1] "alfr"        "cassandRa"   "kernelTDA"   "modeLLtest"  "psychNET"    "retractcheck" "RKHSMetaMod"  "RPEIF"
 [9] "sdcSpatial"  "semnar"      "snahelper"   "socceR"      "xlink"
> p_table2(pkgs)
      Package     Title
206   alfr        Connectivity to 'Alfresco' Content Management Repositories
1457  cassandRa   Finds Missing Links and Metric Confidence Intervals in Ecological Bipartite Networks
6163  kernelTDA   Statistical Learning with Kernel for Persistence Diagrams
7569  modeLLtest  Compare Models with Cross-Validated Log-Likelihood
9706  psychNET    Psychometric Networks for Intensive Longitudinal Data
10639 retractcheck Retraction Scanner
10848 RKHSMetaMod Ridge Group Sparse Optimization Problem for Estimation of a Meta Model Based on Reproducing Kernel Hilb
11168 RPEIF       Computation and Plots of Influence Functions for Risk and Performance Measures
11720 sdcSpatial  Statistical Disclosure Control for Spatial Data
11829 semnar      Constructing and Interacting with Databases of Presentations
12285 snahelper   'RStudio' Addin for Network Analysis and Visualization
12322 socceR      Evaluating Sport Tournament Predictions
14371 xlink       Genetic Association Models for X-Chromosome SNPS on Continuous, Binary and Survival Outcomes
```

`p_display5(pkgs)` ⇒ **Table 5 cols in browser**

Package	Title	Description	Author	Maintainer
alfr	Connectivity to 'Alfresco' Content Management Repositories	Allows you to connect to an 'Alfresco' content management repository and interact with its contents using simple and intuitive functions. You will be able to establish a connection session to the 'Alfresco' repository, read and upload content and manage folder hierarchies. For more details on the 'Alfresco' content management repository see .	Roy Wetherall	Roy Wetherall
cassandRa	Finds Missing Links and Metric Confidence Intervals in Ecological Bipartite Networks	Provides methods to deal with under sampling in ecological bipartite networks. Includes tools to fit a variety of statistical network models and sample coverage estimators to the space of possible missing links. Also includes simple functions to resample from observed networks to generate confidence intervals for common ecological network metrics.	Chris Terry [aut, cre]	Chris Terry
kernelTDA	Statistical Learning with Kernel for Persistence Diagrams	Provides tools for exploiting topological information into standard statistical learning algorithms. To this aim, this package contains the most popular kernels defined on the space of persistence diagrams, and persistence images. Moreover, it provides a solver for kernel Support Vector Machines problems, whose kernels are not necessarily positive semidefinite, based on the C++ library 'LIBSVM' , and on its R implementation 'e1071'. Additionally, it allows to compute Wasserstein distance between persistence diagrams with an arbitrary ground metric, building an R interface for the C++ library 'HERA' .	Tullia Padellini [aut, cre], Francesco Palini [aut], Pierpaolo Brutti [ctb], David Meyer [ctb, cph] (libsvm to R code (e1071 package)), Chih-Chung Chang [ctb, cph] (LIBSVM C++ code), Chih-Chen Lin [ctb, cph] (LIBSVM C++ code), Michael Kerber [ctb, cph] (HERA C++ code), Dmitriy Morozov [ctb, cph] (HERA C++ code), Arnur Nigmetov [ctb, cph] (HERA C++ code)	Tullia Padellini
modeLLtest	Compare Models with Cross-Validated	An implementation of the cross-validated difference in means (CVDM) test by Desmarais and Harden (2014) (see also Harden and Desmarais, 2011) and the cross-validated median fit (CVMF) test by Desmarais and Harden (2012) . These tests use leave-one-out cross-validated log-likelihoods to assist in selecting among model estimations. You can also utilize data from	Shana Scogin , Sarah Petersen , Jeff Harden , Bruce A.	Shana Scogin

alfr: Connectivity to 'Alfresco' Content Management Repositories

Allows you to connect to an 'Alfresco' content management repository and interact with its contents using simple and intuitive functions. You will be able to establish a connection session to the 'Alfresco' repository, read and upload content and manage folder hierarchies. For more details on the 'Alfresco' content management repository see <https://www.alfresco.com/ecm-software/document-management>.

Version:	1.1.0
Depends:	R (≥ 3.5.0)
Imports:	httr, jsonlite, magrittr
Suggests:	devtools, httptest, roxygen2, testthat, knitr, rmarkdown, covr, remotes
Published:	2019-07-03
Author:	Roy Wetherall
Maintainer:	Roy Wetherall <rwetherall at gmail.com>
BugReports:	https://github.com/rwetherall/alfr/issues
License:	GPL-3	file LICENSE
URL:	https://github.com/rwetherall/alfr
NeedsCompilation:	no
SystemRequirements:	Alfresco Content Repository (Community or Enterprise)
Materials:	README NEWS
CRAN checks:	alfr results
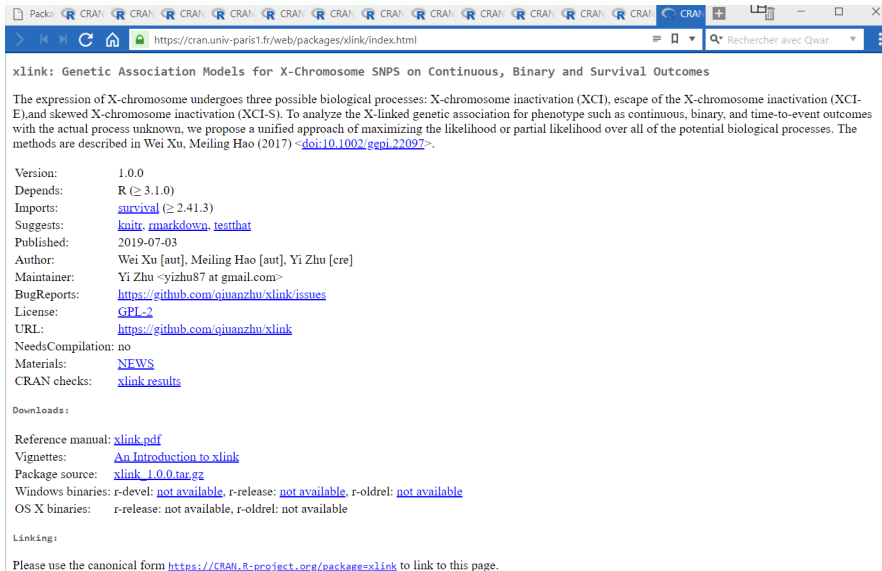
Downloads:

Reference manual:	alfr.pdf
Vignettes:	working_with_content
Package source:	alfr_1.1.0.tar.gz
Windows binaries:	r-devel: not available, r-release: not available, r-oldrel: not available
OS X binaries:	r-release: not available, r-oldrel: not available

Linking:

Please use the canonical form https://CRAN.R-project.org/package=alfr to link to this page.

`p_page(pkgs)` ⇒ **Package pages of your repo**
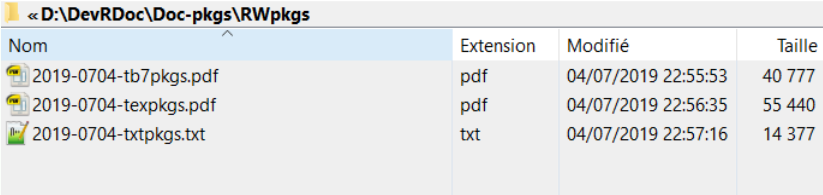
https://cran.univ-paris1.fr/web/packages/xlink/index.html

xlink: Genetic Association Models for X-Chromosome SNPS on Continuous, Binary and Survival Outcomes

The expression of X-chromosome undergoes three possible biological processes: X-chromosome inactivation (XCI), escape of the X-chromosome inactivation (XCI-E),and skewed X-chromosome inactivation (XCI-S). To analyze the X-linked genetic association for phenotype such as continuous, binary, and time-to-event outcomes with the actual process unknown, we propose a unified approach of maximizing the likelihood or partial likelihood over all of the potential biological processes. The methods are described in Wei Xu, Meiling Hao (2017) <doi:10.1002/gepi.22097>.

Version:	1.0.0
Depends:	R (≥ 3.1.0)
Imports:	survival (≥ 2.41.3)
Suggests:	knitr, rmarkdown, testthat
Published:	2019-07-03
Author:	Wei Xu [aut], Meiling Hao [aut], Yi Zhu [cre]
Maintainer:	Yi Zhu <yizhu87 at gmail.com>
BugReports:	https://github.com/qiuanzhu/xlink/issues
License:	GPL-2
URL:	https://github.com/qiuanzhu/xlink
NeedsCompilation:	no
Materials:	NEWS
CRAN checks:	xlink results

Downloads:

Reference manual:	xlink.pdf
Vignettes:	An Introduction to xlink
Package source:	xlink_1.0.0.tar.gz
Windows binaries:	r-devel: not available, r-release: not available, r-oldrel: not available
OS X binaries:	r-release: not available, r-oldrel: not available

Linking:

Please use the canonical form https://CRAN.R-project.org/package=xlink to link to this page.

Save the package descriptions in a local file

- p_table2pdf() ⇒ table format
- p_text2pdf() ⇒ pdf format
- p_text() ⇒ txt or markdown format

2019-0704-tb7pkgs.pdf

Page : 1 / 5   Rechercher :

Package	Version	Published	Title	Description	Author	Maintainer
alfr	1.1.0	2019-07-03	Connectivity to 'Alfresco' Content Management Repositories	Allows you to connect to an 'Alfresco' content management repository and interact with its contents using simple and intuitive functions. You will be able to establish a connection session to the 'Alfresco' repository, read and upload content and manage folder hierarchies. For more details on the 'Alfresco' content management repository see <https://www.alfresco.com/ecm-software/document-management>.	Roy Wetherall <rwetherall@gmail.com>	Roy Wetherall <rwetherall@gmail.com>
cassandRa	0.1.0	2019-07-03	Finds Missing Links and Metric Confidence Intervals in Ecological Bipartite Networks	Provides methods to deal with under sampling in ecological bipartite networks. Includes tools to fit a variety of statistical network models and sample coverage estimators to highlight most likely missing links. Also includes simple functions to resample from observed networks to generate confidence intervals for common ecological network metrics.	Chris Terry [aut, cre]	Chris Terry <christerry3@btinternet.com>
kernelTDA	0.1.1	2019-07-03	Statistical Learning with Kernel for Persistence Diagrams	Provides tools for exploiting topological information into standard statistical learning algorithms. To this aim, this package contains the most popular kernels defined on the space of persistence diagrams, and persistence images. Moreover, it provides a solver for kernel Support Vector Machines problems, whose kernels are not necessarily positive semidefinite, based on the C++ library 'LIBSVM' <https://www.csie.ntu.edu.tw/~cjlin/libsvm/>, and on its R implementation 'e1071'. Additionally, it allows to compute Wasserstein distance between persistence diagrams with an arbitrary ground metric, building an R interface for the C++ library 'HERA' <https://bitbucket.org/grey_narn/hera/src/master/>.	Tullia Padellini [aut, cre], Francesco Palini [aut], Pierpaolo Brutti [ctb], David Meyer [ctb, cph] (libsvm to R code (e1071 package)), Chih-Chung Chang [ctb, cph] (LIBSVM C++ code), Chih-Chen Lin [ctb, cph] (LIBSVM C++ code), Michael Kerber [ctb, cph] (HERA C++ code), Dmitriy Morozov [ctb, cph] (HERA C++ code), Arnur Nigmetov [ctb, cph] (HERA C++ code)	Tullia Padellini <tullia.padellini@uniroma1.it>

2019-0704-texpkgs.pdf

Page : 1 / 5   Rechercher :

1 alfr

alfr: Connectivity to 'Alfresco' Content Management Repositories
Allows you to connect to an 'Alfresco' content management repository and interact with its contents
using simple and intuitive functions. You will be able to establish a connection session to the 'Alfresco'
repository, read and upload content and manage folder hierarchies. For more details on the 'Alfresco'
content management repository see <https://www.alfresco.com/ecm-software/document-management>.
Depends: R (>= 3.5.0)
Imports: httr, jsonlite, magrittr
Suggests: devtools, httptest, roxygen2, testthat, knitr, rmarkdown, covr, remotes
Version: 1.1.0
Published: 2019-07-03
Maintainer: Roy Wetherall <rwetherall@gmail.com>
https://cran.univ-paris1.fr/web/packages/alfr/index.html
https://cran.univ-paris1.fr/web/packages/alfr/alfr.pdf
https://cran.univ-paris1.fr/web/packages/alfr/readme/README.html
https://cran.univ-paris1.fr/web/packages/alfr/news/news.html
https://cran.univ-paris1.fr/web/packages/alfr/vignettes/working_with_content.html

2 cassandRa

cassandRa: Finds Missing Links and Metric Confidence Intervals in Ecological Bipartite Networks
Provides methods to deal with under sampling in ecological bipartite networks. Includes tools to fit
a variety of statistical network models and sample coverage estimators to highlight most likely missing
links. Also includes simple functions to resample from observed networks to generate confidence intervals
for common ecological network metrics.
Depends: NA
Imports: bipartite (>= 2.11), reshape2 (>= 1.4.3), magrittr (>= 1.5), vegan (>= 2.5-3), purrr (>=
0.2.5), dplyr, tidyr(>= 0.8), ggplot2 (>= 3.1.0), boot
Suggests: knitr (>= 1.20), rmarkdown (>= 1.10), pROC (>= 1.13.0), lattice
Version: 0.1.0
Published: 2019-07-03
Maintainer: Chris Terry <christerry3@btinternet.com>
https://cran.univ-paris1.fr/web/packages/cassandRa/index.html
https://cran.univ-paris1.fr/web/packages/cassandRa/cassandRa.pdf
https://cran.univ-paris1.fr/web/packages/cassandRa/readme/README.html
https://cran.univ-paris1.fr/web/packages/cassandRa/news/news.html
https://cran.univ-paris1.fr/web/packages/cassandRa/vignettes/introduction.html

```
2019-0704-txtpkgs.txt
```

```
1
2
3    == alfr ==
4    alfr: Connectivity to 'Alfresco' Content Management Repositories
5    Allows you to connect to an 'Alfresco' content management repository and interact with its contents using simple and
     intuitive functions. You will be able to establish a connection session to the 'Alfresco' repository, read and upload
     content and manage folder hierarchies. For more details on the 'Alfresco' content management repository see <
     https://www.alfresco.com/ecm-software/document-management>.
6    Depends:     R (>= 3.5.0)
7    Imports:     httr, jsonlite, magrittr
8    Suggests:    devtools, httptest, roxygen2, testthat, knitr, rmarkdown,
9    covr, remotes
10   Version:     1.1.0
11   Published:   2019-07-03
12   Maintainer: Roy Wetherall <rwetherall@gmail.com>
13   https://cran.univ-paris1.fr/web/packages/alfr/index.html
14   https://cran.univ-paris1.fr/web/packages/alfr/alfr.pdf
15   https://cran.univ-paris1.fr/web/packages/alfr/readme/README.html
16   https://cran.univ-paris1.fr/web/packages/alfr/news/news.html
17   https://cran.univ-paris1.fr/web/packages/alfr/vignettes/working_with_content.html
18
19
20   == cassandRa ==
21   cassandRa: Finds Missing Links and Metric Confidence Intervals in Ecological Bipartite Networks
22   Provides methods to deal with under sampling in ecological bipartite networks. Includes tools to fit a variety of
     statistical network models and sample coverage estimators to highlight most likely missing links. Also includes simple
     functions to resample from observed networks to generate confidence intervals for common ecological network metrics.
23   Depends:     NA
24   Imports:     bipartite (>= 2.11), reshape2 (>= 1.4.3), magrittr (>= 1.5),
25   vegan (>= 2.5-3), purrr (>= 0.2.5), dplyr, tidyr(>= 0.8),
26   ggplot2 (>= 3.1.0), boot
27   Suggests:    knitr (>= 1.20), rmarkdown (>= 1.10), pROC (>= 1.13.0),
28   lattice
29   Version:     0.1.0
30   Published:   2019-07-03
31   Maintainer: Chris Terry <christerry3@btinternet.com>
32   https://cran.univ-paris1.fr/web/packages/cassandRa/index.html
33   https://cran.univ-paris1.fr/web/packages/cassandRa/cassandRa.pdf
34   https://cran.univ-paris1.fr/web/packages/cassandRa/readme/README.html
35   https://cran.univ-paris1.fr/web/packages/cassandRa/news/news.html
36   https://cran.univ-paris1.fr/web/packages/cassandRa/vignettes/introduction.html
37
38
39   == kernelTDA ==
40   kernelTDA: Statistical Learning with Kernel for Persistence Diagrams
41   Provides tools for exploiting topological information into standard statistical learning algorithms. To this aim, this
     package contains the most popular kernels defined on the space of persistence diagrams, and persistence images.
```
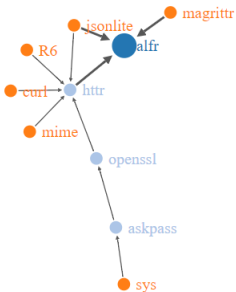
`p_down(pkgs)` ⇒ **Download the documentation**

- index.html, manual.pdf, README, NEWS, Vignettes, package.tar.gz
- 41 files in less than a minute

`n_graphF(p_network(alfr))` ⇒ **P. dependencies**

n_graphF(p_network(cassandRa))

n_graphF(p_network(actuar, fitdistrplus, reverse = TRUE))
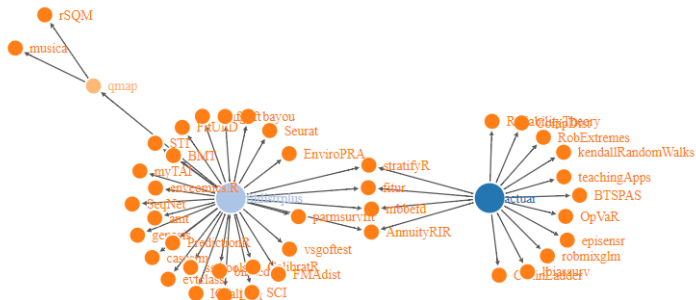
s_crandb("neural net") ⇒ **Simple search**

- P ⇒ Package
- T ⇒ Title
- D ⇒ Description

```
> s_crandb("neural net", select = "PTD")
 [1] "AMORE"          "ANN2"           "appnn"          "autoencoder"     "automl"
 [6] "BNN"            "brnn"           "Buddle"         "CaDENCE"         "cld2"
[11] "cld3"           "condmixt"       "DALEX2"         "DamiaNN"         "DChaos"
[16] "deepnet"        "deepNN"         "DNMF"           "elmNNRcpp"       "ELMR"
[21] "EnsembleBase"   "evclass"        "gamlss.add"     "gcForest"        "GMDH"
[26] "GMDH2"          "GMDHreg"        "grnn"           "h2o"             "hybridEnsemble"
[31] "isingLenzMC"    "keras"          "kerasformula"   "kerasR"          "leabRa"
[36] "learNN"         "LilRhino"       "monmlp"         "neural"          "neuralnet"
[41] "NeuralNetTools" "NeuralSens"     "NlinTS"         "nnet"            "nnetpredint"
[46] "nnfor"          "onnx"           "OptimClassifier" "OSTSC"          "pnn"
[51] "polyreg"        "predictoR"      "qrnn"           "QuantumOps"      "quarrint"
[56] "radiant.model"  "rasclass"       "rcane"          "regressoR"       "rminer"
[61] "rnn"            "RSNNS"          "ruta"           "simpleNeural"    "snnR"
[66] "softmaxreg"     "Sojourn.Data"   "spnn"           "TeachNet"        "tensorflow"
[71] "tfestimators"   "trackdem"       "TrafficBDE"     "tsensembler"     "validann"
>
```

s_crandb_list(search, find, error, select = "P")

- P ⇒ Package
- T ⇒ Title
- D ⇒ Description

```
> s_crandb_list(search, find, error, select = "P")
$search
 [1] "AutoSEARCH"     "bsearchtools"   "CRANsearcher"   "dosearch"       "elasticsearchr"
 [6] "FBFsearch"      "ForwardSearch"  "lavaSearch2"    "pdfsearch"      "pkgsearch"
[11] "randomsearch"   "rpcdsearch"     "RWsearch"       "searchable"     "searchConsoleR"
[16] "searcher"       "SearchTrees"    "tabuSearch"     "TreeSearch"     "uptasticsearch"
[21] "VetResearchLMM" "websearchr"

$find
 [1] "colorfindr"     "DNetFinder"     "DoseFinding"    "echo.find"
 [5] "featurefinder"  "FindAllRoots"   "FindIt"         "findpython"
 [9] "findR"          "findviews"      "geneSignatureFinder" "LncFinder"
[13] "MoonFinder"     "packagefinder"  "pathfindR"      "TCIApathfinder"
[17] "wfindr"

$error
 [1] "errorist"  "errorizer"  "errorlocate" "errors"      "ipwErrorY"  "merror"
 [7] "PeakError" "sperrorest"
```

s_crandb_list(Dutang, Kiener, select = "AM")

- A ⇒ Author
- M ⇒ Maintainer

```
> s_crandb_list(Dutang, Kiener, select = "AM")
$Dutang
 [1] "actuar"        "biglmm"        "ChainLadder"   "expm"
 [5] "fitdistrplus"  "GNE"           "gumbel"        "lifecontingencies"
 [9] "mbbefd"        "plotrix"       "POT"           "randtoolbox"
[13] "rhosp"         "rngWELL"       "RTDE"          "tsallisqexp"

$Kiener
[1] "DiceDesign" "FatTailsR"  "RWsearch"

>
```

- Chairman Hadley Wickham ⇒ 139 packages as author, 46 as maintainer.

s_crandb_tvdb(probability, distribution, tv = "Distributions", select = "PT", from = -30)

- 2 packages are already listed in the task view
- 24 packages require some inspection
- and after inspection AND test, might be listed in the task view

```
> s_crandb_tvdb(probability, distribution, tv = "Distributions", select = "PT", from = -30)
$spkgs
 [1] "bayestestR"      "CholWishart"     "distreg.vis"     "EstimationTools" "fastGraph"
 [6] "gld"             "hagis"           "jSDM"            "mev"             "mixSPE"
[11] "mvtnorm"         "NonProbEst"      "POD"             "probably"        "pvaluefunctions"
[16] "QDComparison"    "RNGforGPD"       "scModels"        "SDMtune"         "sdols"
[21] "shallot"         "SimJoint"        "SSDM"            "TPD"             "TSMSN"
[26] "UNPaC"

$inTV
[1] "gld"      "mvtnorm"

$notinTV
 [1] "bayestestR"      "CholWishart"     "distreg.vis"     "EstimationTools" "fastGraph"
 [6] "hagis"           "jSDM"            "mev"             "mixSPE"          "NonProbEst"
[11] "POD"             "probably"        "pvaluefunctions" "QDComparison"    "RNGforGPD"
[16] "scModels"        "SDMtune"         "sdols"           "shallot"         "SimJoint"
[21] "SSDM"            "TPD"             "TSMSN"           "UNPaC"
```

A direct access to the web from within R

h_R()	R-project
h_cranbydate(repos)	CRAN by date
h_cranbyname(repos)	CRAN by package name
h_crantv()	CRAN Task Views
h_gepuro()	40.000 R packages on GitHub
h_cranberries()	Cranberries Dirk Eddelbuettel
h_rbloggers()	R-Bloggers
h_rdoc()	RDocumentation packages
h_rdoctv()	RDocumentation task views
h_rdrr()	Rdrr.io
h_rseek()	Rseek
...	...
...	...
h_mw()	Meriam-Webster dictionary
h_lexilogos()	Hundred of dictionaries
h_linguee()	Multilingual translation dictionaries
h_reverso()	13x12 translation engines

h_abcbourse()	French stock markets
h_arxiv()	arXiv papers
h_arxivpdf()	arXiv papers in pdf format
h_baidu()	Chinese search engine
h_bing()	Bing search engine
h_bmap()	world maps by Bing
...	...
h_osm()	Open Street Map
h_pipilika()	Bengladesh search engine
h_so()	Stackoverflow
...	...
h_wp()	Wikipedia
h_yacy()	YaCi decentralized search engine
h_yandex()	Russian search engine
h_yooz()	Iranian search engine
h_yt()	Youtube videos

New bookmarks are welcome. Please, submit new bookmarks !

Conclusion

RWsearch

- A comprehensive package with a unified syntax (inspired by pacman)
- Designed for task view maintainer
- Useful for every R user
- Best when loaded at start-up and used every day

Complementary packages

- Package **sos** to search for keywords at the function level `s_sos()`
- Package **collidr** for a **(package, function.name)** data.frame
- Both explore or display about 400.000 pages/lines

One request

- CRAN could update this **(package, function.name)** data.frame everyday

InModelia

Thank you for your attention

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