



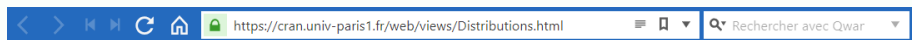
**RWsearch: a package for CRAN users
and task view maintainers**

patrice.kiener@inmodelia.com



The probability distribution task view

- 120 – 140 new packages per month in CRAN
- About 20 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



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	readwritessqlite	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."

$soldfile
[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"       "modelLltest"     "psychNET"        "retractcheck"   "RKHSMetaMod"
[8] "RPEIF"         "sdcSpatial"      "semnar"          "snahelper"       "soccer"          "xlink"

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

p_table2(pkgs) ⇒ Package Name + Title

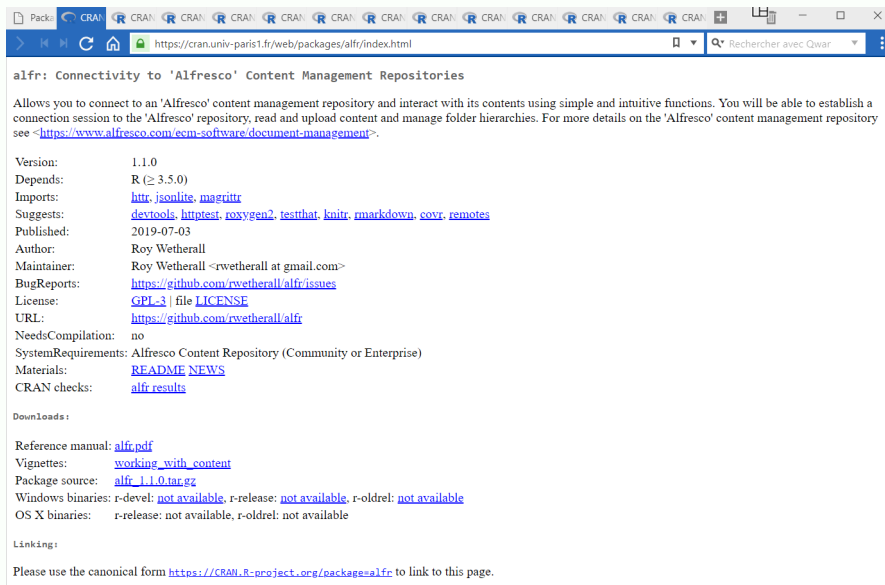
```
> pkgs <- lst$new_packages ; pkgs
[1] "alfr"      "cassandra"  "kernelTDA"  "modelLtest" "psychNET"   "retractcheck" "RKHSMetaMod" "RPEIF"
[9] "sdcSpatial" "semnar"    "snahelper"  "soccer"     "xlink"
> p_table2(pkgs)
  Package Title
206 alfr Connectivity to 'Alfresco' Content Management Repositories
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

file:///C:/Users/Patrice/AppData/Local/Temp/RtmpQIEuJr/Packages.html

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 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
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), Amur Nigmatov [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 selection among model estimations. You can also utilize data from	Shana Scogin , Sarah Petersen , Jeff Harden , Boris A	Shana Scogin

p_page(pkgs) ⇒ Package pages of your repo



The screenshot shows a web browser window with the address bar displaying `https://cran.univ-paris1.fr/web/packages/alfr/index.html`. The page title is "alfr: Connectivity to 'Alfresco' Content Management Repositories". The main content area provides a description of the package, its version (1.1.0), dependencies (R ≥ 3.5.0), imports (httr, jsonlite, magrittr), suggests (devtools, httptest, roxygen2, testthat, knitr, rmarkdown, covr, remotes), published date (2019-07-03), author (Roy Wetherall), maintainer (Roy Wetherall <rwetherall@gmail.com>), bug reports (https://github.com/rwetherall/alfr/issues), license (GPL-3 | file LICENSE), URL (https://github.com/rwetherall/alfr), needs compilation (no), system requirements (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), and OS X binaries (r-release: not available, r-oldrel: not available). The page also includes a linking section with a canonical form link: `https://CRAN.R-project.org/package=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>>.

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@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](#)

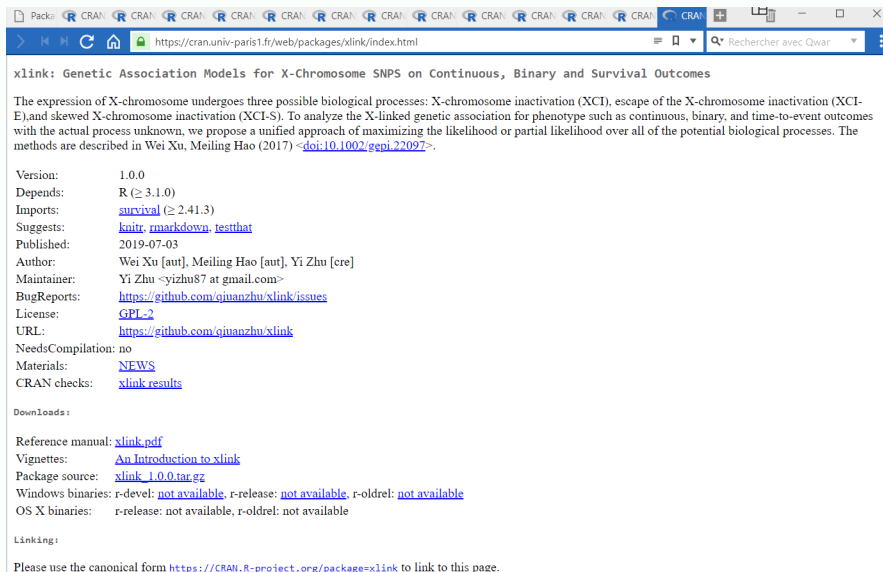
Downloads:

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



The screenshot shows a web browser window with the address bar displaying `https://cran.univ-paris1.fr/web/packages/xlink/index.html`. The page title is "xlink: Genetic Association Models for X-Chromosome SNPs on Continuous, Binary and Survival Outcomes". The main text describes the package's purpose: "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>."

Metadata fields include:

- 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/qjwanzhu/xlink/issues>
- License: [GPL-2](#)
- URL: <https://github.com/qjwanzhu/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()` $\Rightarrow$ table format
- `p_text2pdf()` $\Rightarrow$ pdf format
- `p_text()` $\Rightarrow$ txt or markdown format

« D:\DevRDoc\Doc-pkgs\RWpkgs			
Nom	Extension	Modifié	Taille
 2019-0704-tb7pkgs.pdf	pdf	04/07/2019 22:55:53	40 777
 2019-0704-texpkgs.pdf	pdf	04/07/2019 22:56:35	55 440
 2019-0704-txtpkgs.txt	txt	04/07/2019 22:57:16	14 377

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), Arnar Nigmatov [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>

p_text(pkgs), p_text2md(pkgs)

```
2019-0704-btpkgs.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

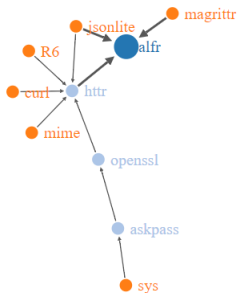
- index.html, manual.pdf, README, NEWS, Vignettes, package.tar.gz
- 41 files in less than a minute

« D:\DevRDoc\Doc-pkgs\RWpkgs				
Nom	Extension	Modifié	Taille	
2019-0704-tb7pkgs.pdf	pdf	04/07/2019 22:55:53	40 777	
2019-0704-texpkgs.pdf	pdf	04/07/2019 22:56:35	55 440	
2019-0704-tbxpkgs.txt	txt	04/07/2019 22:57:16	14 377	
alfr.html	html	04/07/2019 23:06:21	3 770	
alfr.pdf	pdf	04/07/2019 23:06:22	76 374	
alfr-README.html	html	04/07/2019 23:06:24	4 737	
alfr-v-working_with_content.html	html	04/07/2019 23:06:22	10 255	
cassandRa.html	html	04/07/2019 23:06:25	4 049	
cassandRa.pdf	pdf	04/07/2019 23:06:27	105 098	
cassandRa-README.html	html	04/07/2019 23:06:29	792	
cassandRa-v-introduction.html	html	04/07/2019 23:06:27	97 034	
kernelTDA.html	html	04/07/2019 23:06:30	4 818	
kernelTDA.pdf	pdf	04/07/2019 23:06:31	98 071	
kernelTDA-README.html	html	04/07/2019 23:06:33	5 861	
kernelTDA-v-kernelTDA-vignette.html	html	04/07/2019 23:06:31	176 441	
modelLtest.html	html	04/07/2019 23:06:34	4 036	
modelLtest.pdf	pdf	04/07/2019 23:06:35	144 264	
modelLtest-README.html	html	04/07/2019 23:06:37	12 264	
modelLtest-v-getting_started.html	html	04/07/2019 23:06:35	16 877	
psychNET.html	html	04/07/2019 23:06:38	6 592	
psychNET.pdf	pdf	04/07/2019 23:06:39	139 735	

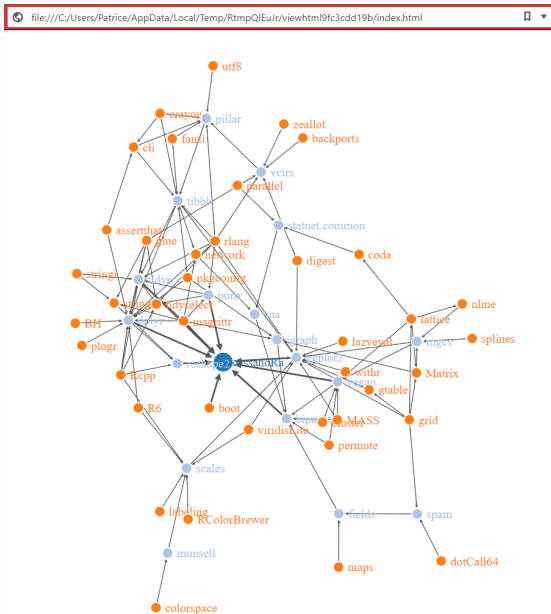
« D:\DevRDoc\Doc-pkgs\RWpkgs				
Nom	Extension	Modifié	Taille	
retractcheck.html	html	04/07/2019 23:06:42	3 605	
retractcheck.pdf	pdf	04/07/2019 23:06:42	84 549	
retractcheck-README.html	html	04/07/2019 23:06:44	10 430	
RKHSMetaMod.html	html	04/07/2019 23:06:45	2 937	
RKHSMetaMod.pdf	pdf	04/07/2019 23:06:46	214 186	
RPEIF.html	html	04/07/2019 23:06:49	3 616	
RPEIF.pdf	pdf	04/07/2019 23:06:50	111 342	
RPEIF-README.html	html	04/07/2019 23:06:52	8 237	
RPEIF-v-RPEIFVignette.pdf	pdf	04/07/2019 23:06:50	259 172	
sdcSpatial.html	html	04/07/2019 23:06:53	4 378	
sdcSpatial.pdf	pdf	04/07/2019 23:06:54	117 099	
sdcSpatial-v-privacy_protecting_maps.html	html	04/07/2019 23:06:54	178 893	
semmar.html	html	04/07/2019 23:06:57	3 813	
semmar.pdf	pdf	04/07/2019 23:06:57	97 757	
semmar-README.html	html	04/07/2019 23:06:59	9 767	
snahelper.html	html	04/07/2019 23:07:00	3 896	
snahelper.pdf	pdf	04/07/2019 23:07:01	60 798	
snahelper-README.html	html	04/07/2019 23:07:03	11 377	
socceR.html	html	04/07/2019 23:07:04	3 388	
socceR.pdf	pdf	04/07/2019 23:07:05	88 077	
xlinc.html	html	04/07/2019 23:07:08	4 187	
xlinc.pdf	pdf	04/07/2019 23:07:08	95 111	
xlinc-v-xlinc.html	html	04/07/2019 23:07:09	27 016	

n_graphF(p_network(alfr)) $\Rightarrow$ P. dependencies

file:///C:/Users/Patrice/AppData/Local/Temp/RtmpQIEu/r/viewhtml9fc11f252b0/index.html

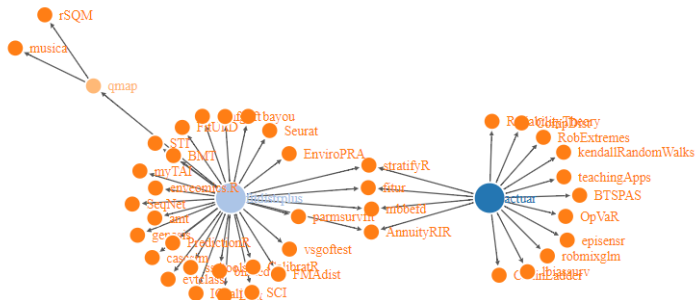



```
n_graphF(p_network(cassandra))
```



```
n_graphF(p_network(actuar, fitdistrplus,
reverse = TRUE))
```

file:///C:/Users/Patrice/AppData/Local/Temp/RtmpQlEuJr/viewhtml9fc26eb3c1e/index.html



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"      "regressorR"   "rminer"
[61] "rnn"        "RSNNS"     "ruta"       "simpleNeural"  "snnR"
[66] "softmaxreg" "Sojourn.Data" "spnn"      "TeachNet"     "tensorflow"
[71] "tfestimators" "trackdem"  "TrafficBDE" "tsensebler"   "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"      "merron"
[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] "mbbafd"      "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"
```

Explore the WEB with 70+ bookmarks/Favorites (1)

A direct access to the web from within R

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

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



Thank you for your attention

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