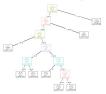
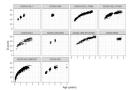
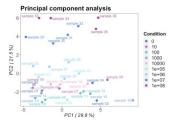
# Computational Methods

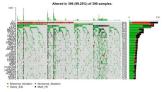
abess v0.1.0: Provides a toolkit for solving the best s support recovery and globally optimal solution in poly

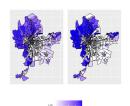


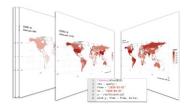


tidywikidatar v0.2.0: Provides functions to query Wiidata, get tidy data frames in response, and cache data in a local SQLite database. See README.



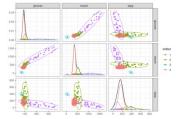






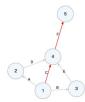


greed v0.5.1: Provides an ensemble of algorit (2021) for background and the vignettes on G



## Operations Persons

critipath v0.1.2: Provides functions to compute critical paths, schedules, PERT charts and Gantt charts. There is a vignette on CPM and PERT and another on the LESS Method

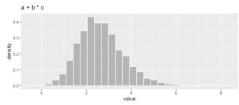


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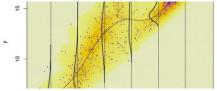


## Statistics

convokistr v1.5.3. Provides functions to compute convolutions of probability distributions via a method that creates a new random number function for individual random samples from the random generator function of each distribution. There is an introduction and a vignette on Sample Size



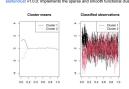
gamins lasso v1.0-0: Provides an interface for extra high-dimensional smooth functions for Generalized Additive Models for Location Scale and Shape (GAMLSS) including lasso, ridge, elastic net and least angle regression. The gamins website provides considerable information



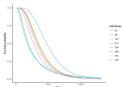
GGMnorreg v1.0.0: Provides functions to estimate non-regularized Gaussian graphical models, Ising models, and mixed graphical models. See Williams et al. (2019), Williams & Rast (2019), and Williams (2020) for details. EEADME contains examples.



elevance v1.1: Implements the concepts of relevance and significance measures introduced in Stahel (2021) to augment inference with p-values. See the vignetic for examples.



sur/MS vi0.0.1. Provides functions to simulate data from the Accelerated Hazard, Accelerated Falure Time, and Cox survival models. See Bender et al. (2001) for the methods used to implement the Cox model, and the vignette and Giffulb for an introduction and examples



resiGandener Vo. 1.4. Provides functions to develop, evaluate, and score multiple choice examinations, psychological scales, questionnaires, and similar types of data involving sequences of choices among one or more sets of answers. See Ramsay et al. (2020) and Ramsay et al. (2019) for the methodology and the vigrates Symptom Distress Analysis and SweSA

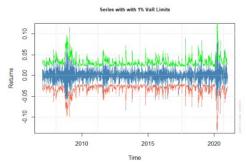


wpa v1.5.0: Provides opinionated functions to enable easier and faster analysis of Workplace Analytics data. See the vignette for an introduction.



Time Series

garchmodels v0.1.1: Implements a framework for using GARCH models with the tidymodels ecosystem. It includes both univariate and multivariate methods from the rugarch and rugarch packages. There is a Getting Started Guide and a vignette on tuning univariate GARCH models.



## Utilities

diffmatchpatch v0.1.0: Implements a wrapper for Google's diff-match-patch library. It provides basic tools for computing diffs, finding fuzzy matches, and constructing / applying patches to strings. See README for examples.

erify v0.2.0: Provides several validator functions to check if arguments passed by users have valid types, lengths, etc., and if not, to generate informative and good-formatted error messages in a consistent style. See the vignetic to get started.

juir VI. 1: Provides a GUI interface for automating data extraction from multiple images containing scatter and bur plots, semi-automated tools to linker with extraction attempts, and a fully-loaded point-and-click manual extractor with image zoom, calibrator, and classifier. See the signetic for examples, and the Youthbe channel for a course on meta analysis

mailmerge v 0.2.1: Allows users to mail merge using markdown documents and gmail, parse markdown documents as the body of email, use the yam1 header to specify the subject line of the email, preview the email in the RStudio viewer pane, and send (draft) email using gmail x. See the vigrettle for examples.

m61r v0.0.2: Provides dplyr and tidyr like data manipulation functions using only base R and no dependencies. See the vignette for examples

## Visualizatio

ametree v0.1.2: Implements a generative art system for producing tree-like images using an L-system to create the structures. See README to get started



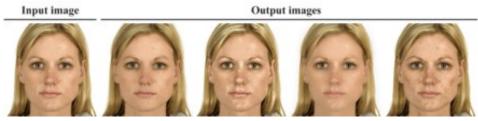
safdown v1.0.0: Provides drill down functionality for leaflet choropleths in shiny apps. There is an Introduction and a Showcase example



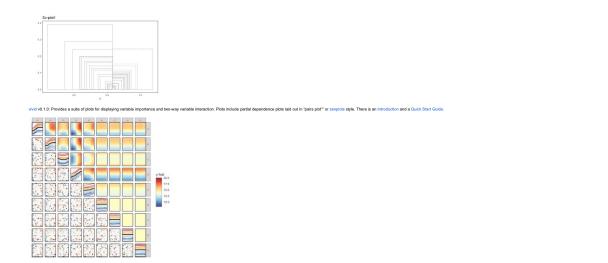
apping v1.2: Provides coordinates, linking and mapping functions for mapping workflows of different geographical statistical units. Geographical coordinates automatically link with the input data to generate maps. See the vignette to get started



malerial modifier v1.0.0: Provides functions to apply image processing effects to modify the perceived material properties such as gloss, smoothness, and blemishes. Look here for documentation and practical tips of the package is available a



explots v0.1.0: Implements two versions of sample variance plots illustrating the squared deviations from sample variance as described in Wijesuriya (2020). See the vignette.



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