Reference card to "shipunov" bundle

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asmisc.r

System

`Alldups(vec1)` Fnd duplicates from both ends
`Toclip(df)` Insert content to XWindows clipboard
`Xpager()` Separate console pager (uses some terminal and less)
`Table2df(table1)` Cnvert table to data frame
`Cdate()` System date in `yyyymmdd` format
`Str(df1)` Advanced structure (with variable numbers and missing data indication)
`Files()` Textual file browser
`Ls()` Advanced object listing (with type, memory size etc.)
`Read.tri.nts(file1)` Read NTSYSpc files
`Read.fasta(file1)` Simple reading of fasta files
`Tobin(df1)` Binarize
`Peaks(vec1)` Find local maxima

Statistics

`Normality(vec1)` Check normality
`CVs(vec1)` Coefficients of variation
`K(vec1)` Lyubishchev's coefficient of divergence
`Mag(num)` Interpreter for R^2-related effect sizes
`Rro.test(vec1, vec2)` Robust rank order test
`pairwise.Rro.test(vec1, factor1)` ... and its pairwise *post hoc* derivative
`pairwise.Table2.test(table1)` Pairwise Chi-squared or Fisher test for 2-dimensional tables
`VTcoeffs(table1)` Effect sizes of association between categorical variables
`Fibonacci(num)` Calculates the n's Fibonacci's number
`Phyllotaxis(num)` Outputs the phyllotaxis formula or angle of divergence
`Misclass(vec1, vec2)` Misclassification error (for 2-dimension tables)
`Jclust(df1)` Simple bootstrap and jackknife clustering
`MDSv(scores)` MDS: explained variance (surrogate)
`Missing.map(df1)` Textual plot of missing data

Plots

`Points(vec1, vec2)` Number of cases in each point reflected in the point size
`PPoints(factor1, vec1, vec2)` ", for multiple subgroups
`Histp(vec1)` Histogram with percents on the top of bars
`Histr(vec1)` Histogram with overlaid normal curve or density, optionally with rug
`Cladd(lm)` Adds confidence bands to the linear model plots
`Boxplots(df1, factor1)` Boxplots for every scaled variable grouped by "group" factor
`Dotchart1()` Like a `dotchart()` but with better left margin
`Linechart(df1, factor1)` Dotchart-based plot showing medians and IQRs (or mads) for every scaled variable grouped by "groups" factor
`Ellipses(points, groups)` Groups' confidence ellipses
`Hulls(points, groups)` Groups' hulls with centroids calculation
`Overlap(hulls)` Polygons' overlap
`Ploth(hclust)` Change the appearance of cluster dendrogram

Correlation

`Topm(df1)` Stacks (correlation) matrix and selects values which are above the "level"
`Cor(df1)` Correlation matrix with p-values
`Cor2(df1)` Another variant of correlation matrix with p-values based on F-statistic
`Coeff.det(df1)` Average coefficients of determination for each variable
`Cor.vec(df1)` Calculates correlation and converts results into the named long vector
`Rostova.tbl(df1, factor1)` Calculates multiple correlation matrices (via GROUP) and stacks them together
`Pleiad(table1)` Correlation circles (correlation pleiads)

recode.r

`Recode(var, from, to)` Basic multiple recoding
`Recode4(var, from, to, missed)` Multiple recoding which cares of non-recoded values
`RecodeR(var, from, to)` Running multiple recoding
`Recode4R(var, from, to, missed)` ", considers non-recoded

gmoon.r

Graphicals examples

`Ex.lty()` Line type examples
`Ex.lines()` "
`Ex.pch()` Point (pch) examples
`Ex.points()` "
`Ex.col(all=FALSE)` Examples of standard colors (can show all colors)
`Ex.cols(all=FALSE)` "
`Ex.font()` Examples of standard fonts
`Ex.fonts()` "
`Ex.plots()` Examples of plot types
`Ex.types()` "
`Ex.margins()` Example of plot margins
`Ex.boxplot()` Boxplot explanation

Grapical fun

`Saynodynamite()` Say "no" to dynamite plots!
`Gridmoon(config)` Painting with R
`Ell(config)` Plot ellipse
`R(x1, y1)` Imitation (*sic*!) of the current "flat" R logo
`Miney(cells)` Miney game, modified from `miney` package of Roland Rau
`Life(config)` Conway's Game of Life

Multivariate

`Gradd(model)` Adds to the 2D ordination plot small semi-transparent points which make color classification grid
`plot.nnet(nnet)` Plots `nnet` object