Revision history for misig repository

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Release 1.30 2019-06-12

First real version of README supplement

Major code changes

- Improve code for figure titles: generic figtitle function to generate figure titles instead of doc-specific functions; auto-scaling instead of setting cex.main
- Start cleanup of figure/table numbering scheme

New files

- READMEsupp.Rmd
 - Source file for README supplement
- R/dat_readmesupp.R, R/doc_readmesupp.R
 - Data and document generation functions for README supplement
- R/source.R
 - Handle problem of name collisions among doc-specific functions through source_all function that sources correct doc-specific files for current doc

Changed files

- README.Rmd
 - Incorporate new scheme for programmatically inserting figures
 - Add doc codes for README and README supplement in table
 - Change order of simulations in document to match order in code
- R/dat.R
 - Clean up setting of verbose in data generation functions
 - Implement data generation functions for all four statistics of interest, all simulation types, and both data generation models
 - Start incorporating new withcase function to lapply loops; expect more later
- R/dat_ovrht.R
 - Minor changes for stylistic consistency
- R/dat_readme.R
 - Remove data generation functions not mentioned in README document, now that README supplement exists
- R/doc.R
 - Implement 'section block' figure/table numbering scheme, in which each section is a figure or table block; a step toward cleaning up figure/table numbering scheme
 - Add figtitle function to generate figure titles; replaces previous doc-specific functions
- R/doc ovrfx.R, R/doc ovrht.R
 - Remove cex.main from function args in favor of auto-scaling
 - Replace doc-specific title_ovrfx, title_ovrht by figtitle
- R/doc_readme.R
 - Remove cex.main from function args in favor of auto-scaling
 - Replace doc-specific title_readme by figtitle
 - Incorporate new 'section block' figure/table numbering scheme
- R/init.R
 - Add params for README supplement
 - Add call to new source_doc function to source doc-specific files

- Add sect param in init_doc function to support new 'section block' figure/table numbering scheme
- R/plot.R
 - Implement auto-scaling of titles via cex_title function
 - Add checks for empty plot inputs in plotdvsd, plothist functions
 - Add checks in vhline function for lines and labels outside plot area to avoid writing labels in the margins
 - Replace T, F by full words TRUE, FALSE after discovering that R doesn't always treat these as synonyms
 - Add vhdigits arg to top level plot functions and propagate to vhline function
- R/run.R
 - Move sourcing of other files to R/source.R to address name collisions among doc-specific functions
- R/util.R
 - Extend pmatch_choice function to (optionally) match patterns in the middle of the text; I thought
 I'd use this in doc_readmesupp but didn't
 - Add withcase function to improve lapply loops operating on rows of cases data frame; still not happy with it; expect further changes

Release 1.21 2019-05-22

Shortened README to contain only two figures per plot type; also added material for heterogeneous effect sizes

Changed and new files

- README.Rmd
 - Shorten README to only two figures per plot type
 - Add material for heterogeneous effect size model
 - Change words about how many simulations are run, performance, and so forth
- R/dat.R
 - Finish transition from special purpose save and load (aka get) functions for top level data to general purpose save_data and load_data (aka get_data) functions
 - Add dopower_hetd function to compute power from hetd simulation
 - Add dopval_hetd function to compute p-values from hetd simulation
 - Add dopval_d2ht to compute p-values from d2ht distribution
 - Add doci_d2ht to compute confidence intervals from d2ht distribution
- R/dat ovrht.R
 - Replace inline computation of pval and ci tables with call to new functions in R/dat.R
- R/dat_ovrhtsupp.R, R/doc_ovrhtsupp.R
 - Renamed from R/dat_mndht.R, R/doc_mndht.R
 - Change mndht to ovrhtsupp in function names
 - Replace meand and power params by hetd params
- R/dat_readme.R
 - Complete rewrite to use functions in R/dat.R
- R/datman.R
 - Remove obsolete special purpose save and load(aka get) functions for top level data files; code now uses general purpose save_data and load_data (aka get_data) functions
 - Add base argument to save_data and load_data (aka get_data) functions to make it easier to specify file names for top level data files
- R/doc ovrfx.R
 - Remove obsolete computation of meand from simulation
- R/doc ovrht.R
 - Change get_data calls to use new names of data files; see R/dat_ovrht.R
 - Change figure and function names from infl to over for stylistic consistency

- R/doc readme.R
 - Extensive rewrite for new README.Rmd
 - Only plot two figures per plot type
 - Add code for heterogeneous effect size model
- R/init.R
 - Increase m.fixd for README from 1e2 to 1e3
 - Add hetd params for README
 - Remove params for theoretical mean significant effect size and power; code now uses simulation params
 - Add params for ovrht pval and ci tables
 - Change clean and sectpx params for README to reflect current usage
 - Edit some comments for stylistic consistency
- R/plot.R
 - Improve handling of "extra" vertical and horizontal lines and labels: only render if within plot region
- R/run.R
 - Change source statements to reflect that mndht document renamed to ovrhtsupp
- R/stats.R
 - Fix typo in comment

Release 1.20 2019-05-01

Support posted version of ovrht blog post. "Your P-Values are Too Small! And So Are Your Confidence Intervals!"

Major code changes

- Refactored data generation code into multiple files analogous to R/doc... files
- Added support for d2ht (aka 'het') distribution

New files

- ovrht.Rmd, ovrht.TRN.Rmd and related
 - Source files for ovrht blog post. TRN is modified to generate Word document that can be ported to TRN more easily
- R/dat.R
 - Top-level and generic data generation functions, analogous to R/doc.R
- R/dat mndht.R, R/dat ovrfx.R, R/dat ovrht.R, R/dat readme.R
 - Data generation function for each document
- R/doc_mndht.R
 - Document generation functions for mndht blog post. Runs, but still a rough sketch. Expect name to change before post goes public
- R/doc_ovrht.R
 - Document generation functions for ${\tt ovrht}$ blog post

Changed files

- R/datman.R
 - Add functions for top level data stored in datadir
 - Add functions for hetd simulations
 - Extend save_tbl to save nonflat objects. These aren't tables, of course, but it's sometimes useful
 to store them in table directories
- R/doc.R
 - Add param to dotb1 for saving nonflat objects
- R/doc_ovrfx.R
 - Replace n.meand, d.meand params by n.fixd, d.fixd

- R/doc readme
 - Replace n.meand, d.meand params by n.fixd, d.fixd
 - More TBD
- R/init.R
 - Abandon n.meand, d.meand params redundant with n.fixd, d.fixd
 - Add outdir param to drive creation of output directories. Needed now that documents have become so varied
 - Add params for ovrht document
 - Add params for saving top level data
 - Remove obsolete params fpr.cutoff, fnr.cutoff
 - Stop setting params for doc types that don't use those params
- R/plot.R
 - plothist: add add, color params
 - plotpvsd: add support for d2ht (aka 'het') distribution
 - plotm: add spar param for spline smoother
 - hline, vline: add cex param
- R/run.R
 - Add source commands for new R/dat.R, dat <document>.R files
 - Remove obsolete source command for R/dodata.R
 - Replace calls to dosim, domeand by more general call to dodat
- R/stats.R
 - Add many functions for d2ht (aka 'het') distribution
 - Replace obsolete calls to parent by param
 - Vectorize ci d2t function
- R/util.R
 - Add spar param to splinem smoothing function
 - Add ignore param to nvq to ignore NULL and non-existent names

Known bugs

- 1. Functions in the various doc_ files are clobbering each other. Could also happen with dat_ files
 - Suggests I've reached the limit of my ersatz object-like programming
 - One solution is to move sourcing of doc specific files into init. Be aware this will break my current debugging practice of sourcing run.R to get 'em all

Release 1.10 2019-02-19

First real version of README. Renamed and refactored top-level file. See below.

Changed, new, and deleted files

- README.Rmd
 - First version of README doc
- Rename top level R/ovrfx.R to R/run.R and move data generation code to R/dodata.R. When writing README, I saw that old scheme made it hard to explain how to run program
- R/doc.R
 - Improve management of figure and table labels numbers, prefixes, suffixes
 - Add sect_start function to adjust figure and table labels at start of new section
 - Change need.init default in dodoc to F works better with current init scheme
- R/doc readme.R
 - Support first version of README doc
- R/init.R

- Update defaults for readme doc
- Change figure and table labels per new scheme in R/doc.R
- R/plot.R
 - Fix xlab, ylab defaults when x, y are not defaults
- R/util.R
 - Fix bug in loess smoother when data column names are not valid formula symbols

Release 1.01 2019-02-16

Support posted version of ovrfx blog post.

Release 1.00 2019-02-14

Support third version of ovrfx blog post. Final or near-final version.

Changed files

- R/doc ovrfx.R
 - Remove the 'zoom' figure (old figure 2)
 - Add 'sampling distribution' figure (new figure 3)
 - Use theoretical meand calculations for 'average significant effect size' (figure 4) and numbers in text
- R/init.R
 - Unify parameters for fixed simulation (used for empirical meand calculation) and theoretical meand calculation
- R/ovrfx.R
 - Turn theoretical meand calculation on again
- R/plot.R
 - Minor cleanup of plotpysd
- R/stats.R
 - Fix blunder in d d2t. Have to scale by $\operatorname{sqrt}(n/2)$ to account for difference in x-density
 - Mistake also in repwr/R/stats.R, which I will fix separately
- css/html_document.css
 - Add css for blockquote. Rmd's built-in blockquote style sets the font too big
 - Solution from https://stackoverflow.com/questions/44191576. Thanks!

Release 0.90 2019-02-13

Support second version of ovrfx blog post. Current title "When You Select Significant Findings, You're Selecting Inflated Estimates". Not final version but close.

Major code changes

- Abandon file caching. Way more trouble than it's worth
- Handle multiple types of simulation
 - rand the original siumulation scheme: randomly choose d and run one simulation per choice
 - fixd more typical simulation scheme: set d to certain fixed values and run many simulations for each value
- Handle two ways of calculating mean significant effect sizes, 'meand'
 - empi estimate empirically from simulation data
 - theo theoretical calculation from sampling distribution

Changed files

- R/datman.R
 - Add functions to save and load new file types: sim_rand, sim_fixd, meand_empi, meand_theo
 - Replace generic functions, eg, save_nd, by ones specific to each file type. Though seemingly less
 factored, it's way simpler now that I've abandoned caching, esp. since we have so few file types at
 present
 - Remove keep functions. These supported now-abandoned file caching
 - Remove caching related code from save and load functions
 - Redefine get functions to be synonyms for load. Previous distinction was needed for nowabandoned file caching
- R/doc_ovrfx.R
 - Near complete rewrite for second version of blog post
- R/init.R
 - Add params for multiple types of simulation: sim_rand, sim_fixd
 - Add params for calculation of mean significant effect sizes: meand
 - Remove params for caching: load, keep, clean.cache
 - Remove code for initializing cache
 - datadir no longer has m component. Makes no sense with multiple simulation types
- R/ovrfx.R
 - Add function for fixd simulation and rename function for original rand simulation: dosim_fixd, dosim_rand
 - Add function for empirical calculation of mean significant effect size and rename function for theoretical calculation: domeand_empi, domeand_theo
 - Incorporate new R/datman.R functions for saving files
 - Remove code for getting data from cache if possible
- R/plot.R
 - Add function to plot histogram: plothist
 - Fiddle with 'extra' line params and code. Removed specialized params like d.crit and d.pop in favor of the more general vline and hline
 - Add x0 param to pval_legend function to adjust location. Crude but adequate for immediate needs
 - Add convenience function d2col that maps d values to colors by combining d2pval and pval2col

Release 0.50 2019-02-03

Support first real version of ovrfx blog post ready for external review. Current title "Significance Testing Makes Bad Choices"

- Rename repo from effit to misig. Better reflects the content I expect for this repo
- Rename first blog post from siglo to ovrfx stands for 'overestimate with fixed effect size'

Release 0.10 2019-01-01

First version. Contains boilerplate files such as this one and the document sigbi.Rmd (presently just a stub). Will contain code to support the document when released.

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