

Revision history for misig repository

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Release 1.20 2019-MM-DD

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. Expect name to change before post goes public
- `R/doc_ovrht.R`
 - Document generation functions for `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 `dotbl` 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

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_ovrfix.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 `fixd` simulation (used for empirical meand calculation) and theoretical meand calculation
- `R/ovrfix.R`
 - Turn theoretical meand calculation on again
- `R/plot.R`
 - Minor cleanup of `plotpvsd`
- `R/stats.R`
 - Fix blunder in `d_d2t`. Have to scale by $\sqrt{n/2}$ 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 `ovrfix` 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 simulation 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 now-abandoned file caching
- `R/doc_ovrfix.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/ovrfix.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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