

Revision history for misig repository

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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 `fixd` 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 `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 `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 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 `ovrfix` 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 `ovrfix` - 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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