Revision history for misig repository

Nathan (Nat) Goodman

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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". Hopefully near final version.

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 now-abandoned 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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