README

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Overview

- functions/functions.R: The functions that do the estimation with the EM algorithm.
- simulation_code/simulation.R: The file that runs the simulation. This takes a loong time. The results of the simulation are saved in the file intermediate_results/simresults.rds.
- simulation_code/table1.R: This file generates Table1 from the paper using the results from the simulation, i.e. the intermediate_results/simresults.rds data. The file is exported to results/table1.tex.
- results/table1.tex: The results as they are in the paper.

Environment

sessionInfo()

```
## R version 4.1.2 (2021-11-01)
## Platform: x86_64-pc-linux-gnu (64-bit)
## Running under: Ubuntu 22.04.3 LTS
##
## Matrix products: default
           /usr/lib/x86_64-linux-gnu/blas/libblas.so.3.10.0
## LAPACK: /usr/lib/x86_64-linux-gnu/lapack/liblapack.so.3.10.0
##
## locale:
   [1] LC_CTYPE=en_US.UTF-8
                                   LC NUMERIC=C
##
   [3] LC TIME=da DK.UTF-8
                                   LC COLLATE=en US.UTF-8
                                   LC_MESSAGES=en_US.UTF-8
    [5] LC_MONETARY=da_DK.UTF-8
##
    [7] LC_PAPER=da_DK.UTF-8
                                   LC_NAME=C
##
   [9] LC_ADDRESS=C
                                   LC_TELEPHONE=C
  [11] LC_MEASUREMENT=da_DK.UTF-8 LC_IDENTIFICATION=C
##
## attached base packages:
  [1] parallel stats
                           graphics grDevices utils
                                                          datasets methods
## [8] base
##
## other attached packages:
   [1] doParallel_1.0.17 iterators_1.0.14
                                            doRNG_1.8.6
                                                               rngtools_1.5.2
   [5] foreach_1.5.2
                          lubridate_1.9.2
                                             forcats_1.0.0
                                                               stringr_1.5.0
                          purrr_1.0.2
                                             readr_2.1.4
##
   [9] dplyr_1.1.3
                                                               tidyr_1.3.0
## [13] tibble_3.2.1
                          ggplot2_3.4.3
                                             tidyverse_2.0.0
                                                               mets_1.3.2
## [17] timereg 2.0.5
                          survival 3.5-7
                                             data.table 1.14.8
##
## loaded via a namespace (and not attached):
  [1] tidyselect_1.2.0
                            xfun_0.40
                                                 listenv_0.9.0
  [4] splines_4.1.2
                            lattice_0.21-8
                                                 colorspace_2.1-0
```

##	[7]	vctrs_0.6.3	generics_0.1.3	htmltools_0.5.6
##	[10]	yam1_2.3.7	utf8_1.2.3	rlang_1.1.1
##	[13]	pillar_1.9.0	glue_1.6.2	withr_2.5.1
##	[16]	lifecycle_1.0.3	lava_1.7.2.1	munsell_0.5.0
##	[19]	gtable_0.3.4	future_1.33.0	mvtnorm_1.2-3
##	[22]	codetools_0.2-19	evaluate_0.22	knitr_1.44
##	[25]	tzdb_0.4.0	fastmap_1.1.1	fansi_1.0.4
##	[28]	Rcpp_1.0.11	scales_1.2.1	parallelly_1.36.0
##	[31]	hms_1.1.3	digest_0.6.33	stringi_1.7.12
##	[34]	numDeriv_2016.8-1.1	grid_4.1.2	cli_3.6.1
##	[37]	tools_4.1.2	magrittr_2.0.3	<pre>future.apply_1.11.0</pre>
##	[40]	pkgconfig_2.0.3	Matrix_1.6-1.1	timechange_0.2.0
##	[43]	rmarkdown_2.25	rstudioapi_0.15.0	R6_2.5.1
##	[46]	globals 0.16.2	compiler 4.1.2	