Title paper

List authors

List affiliations

Title report

Edited by

Claudio Zandonella Callegher*

*e-mail address

claudiozandonella@gmail.com

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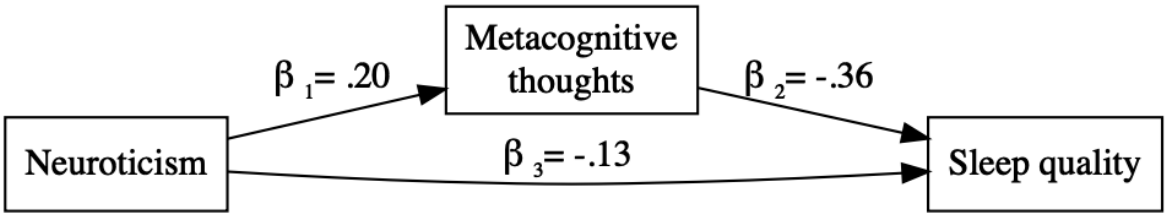
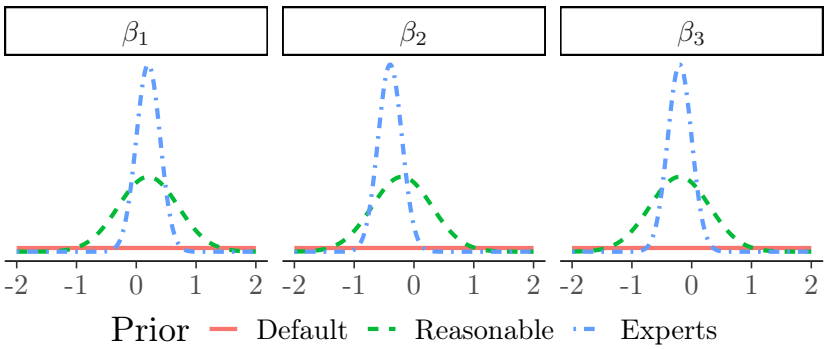
1 Introduction

2 Plot model

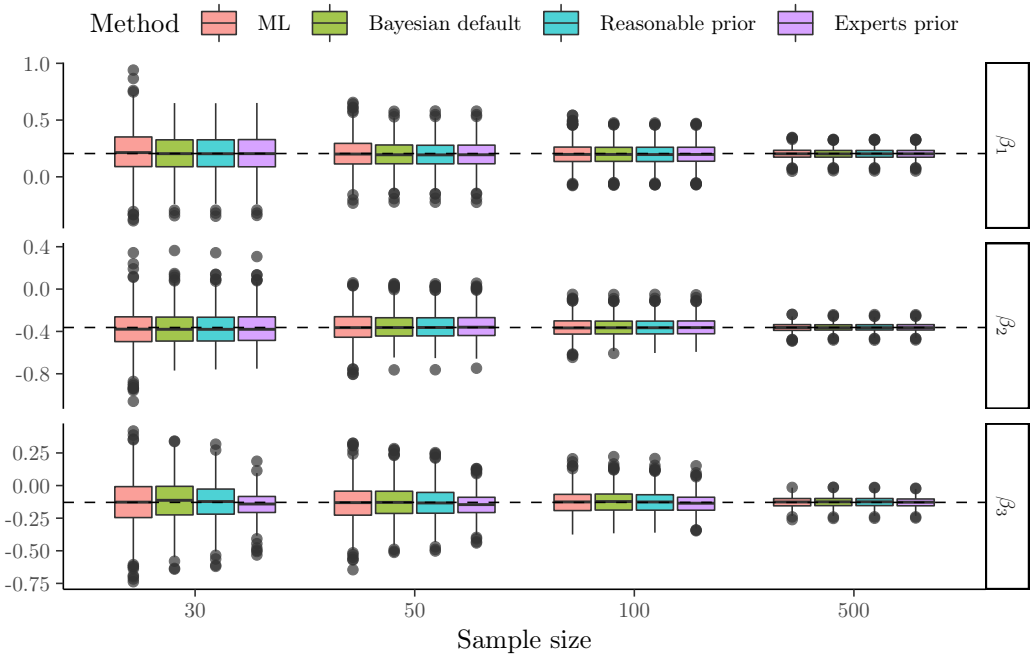


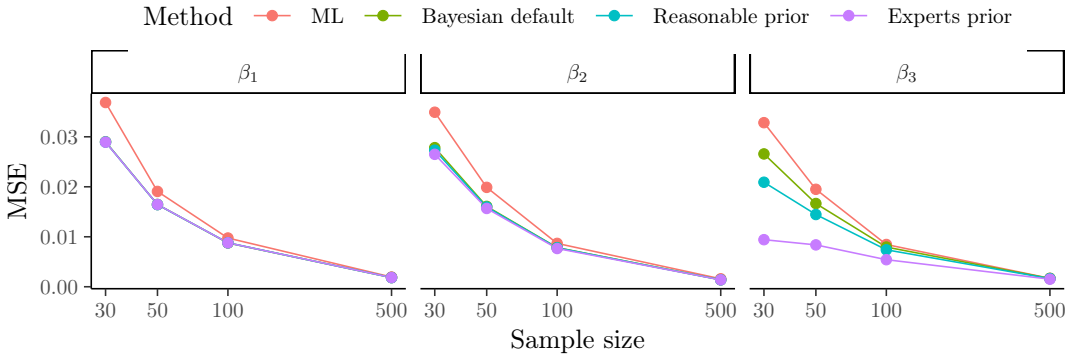
3 Plot prior

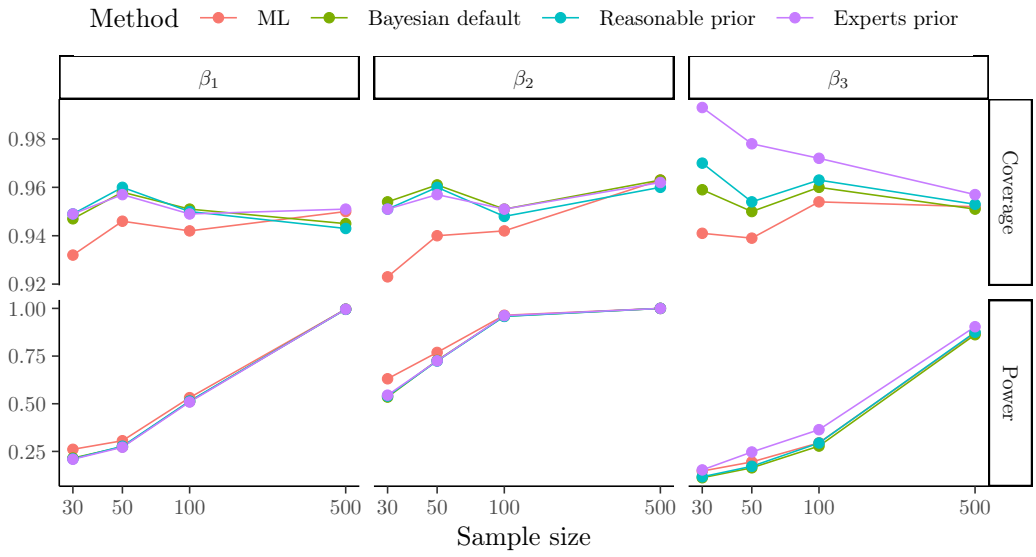


4 Plot boxplots

5 Plot MSE


Method
ML
Bayesian default
Reasonable prior
Experts prior
1.0
0.5
0.0
0.4
0.0
-0.4
-0.8
0.25
0.00
-0.25
-0.50
-0.75
β_1
β_2
β_3
30
50
100
500
Sample size


Method
ML
Bayesian default
Reasonable prior
Experts prior
β_1
β_2
β_3
MSE
0.03
0.02
0.01
0.00
30
50
100
500
Sample size


Method
ML
Bayesian default
Reasonable prior
Experts prior
β_1
β_2
β_3
0.98
0.96
0.94
0.92
1.00
0.75
0.50
0.25
Coverage
Power
30
50
100
500
Sample size

6 Example

7 Session Information

```
sessionInfo(package = NULL)
```

```
## R version 3.6.1 (2019-07-05)
## Platform: x86_64-apple-darwin15.6.0 (64-bit)
## Running under: macOS Mojave 10.14.6
##
## Matrix products: default
## BLAS:   /Library/Frameworks/R.framework/Versions/3.6/Resources/lib/libRblas.0.dylib
## LAPACK: /Library/Frameworks/R.framework/Versions/3.6/Resources/lib/libRlapack.dylib
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
##
## attached base packages:
## [1] stats     graphics  grDevices utils     datasets  methods   base
##
## other attached packages:
##  [1] forcats_0.4.0    stringr_1.4.0    dplyr_0.8.4      purrr_0.3.3
##  [5] readr_1.3.1      tidyr_1.0.2      tibble_2.1.3     tidyverse_1.3.0
##  [9] gridExtra_2.3    kableExtra_1.1.0 DiagrammeR_1.0.5 ggplot2_3.2.1
## [13] knitr_1.28
##
## loaded via a namespace (and not attached):
##  [1] Rcpp_1.0.3         lubridate_1.7.4    lattice_0.20-38    ps_1.3.2
##  [5] visNetwork_2.0.9   assertthat_0.2.1   digest_0.6.24      plyr_1.8.5
##  [9] R6_2.4.1           cellranger_1.1.0   backports_1.1.5    reprex_0.3.0
## [13] evaluate_0.14      httr_1.4.1         pillar_1.4.3       rlang_0.4.4
## [17] lazyeval_0.2.2     readxl_1.3.1       rstudioapi_0.11    callr_3.4.2
## [21] tikzDevice_0.12.3  rmarkdown_2.1      labeling_0.3       webshot_0.5.2
## [25] htmlwidgets_1.5.1  tinytex_0.19       munsell_0.5.0      broom_0.5.4
## [29] compiler_3.6.1     modelr_0.1.5       xfun_0.12          pkgconfig_2.0.3
## [33] htmltools_0.4.0    tidyselect_1.0.0   codetools_0.2-16   fansi_0.4.1
## [37] viridisLite_0.3.0  crayon_1.3.4       dbplyr_1.4.2       withr_2.1.2
```

```
## [41] grid_3.6.1          nlme_3.1-141        jsonlite_1.6.1      gtable_0.3.0
## [45] lifecycle_0.1.0     DBI_1.1.0           formatR_1.7         magrittr_1.5
## [49] scales_1.1.0        cli_2.0.1           stringi_1.4.5       farver_2.0.3
## [53] reshape2_1.4.3      fs_1.3.1            xml2_1.2.2          generics_0.0.2
## [57] vctrs_0.2.2         RColorBrewer_1.1-2  tools_3.6.1         glue_1.3.1
## [61] hms_0.5.3           processx_3.4.2      yaml_2.2.1          colorspace_1.4-1
## [65] filehash_2.4-2      rvest_0.3.5         haven_2.2.0
```

Appendix A