Grid empd

Razors *L Kell*

14 November, 2018

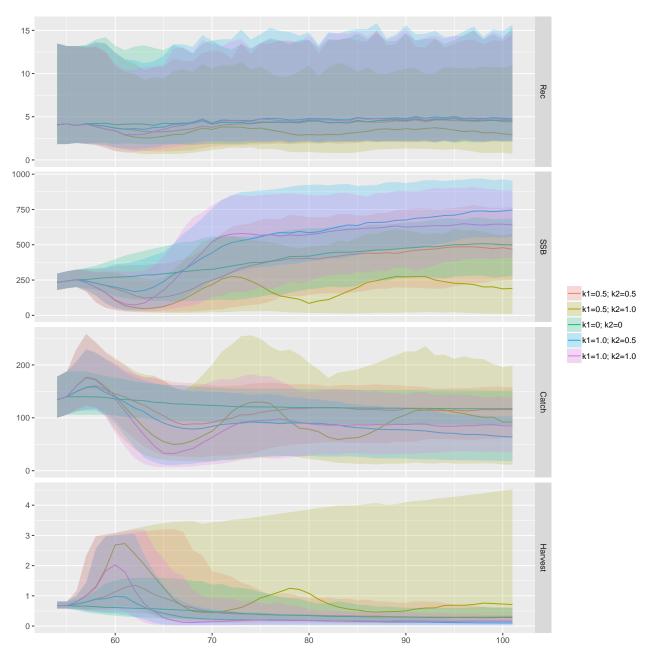


Figure 1 Time series for brill of empirical HCR ran with different values of K1 & K2

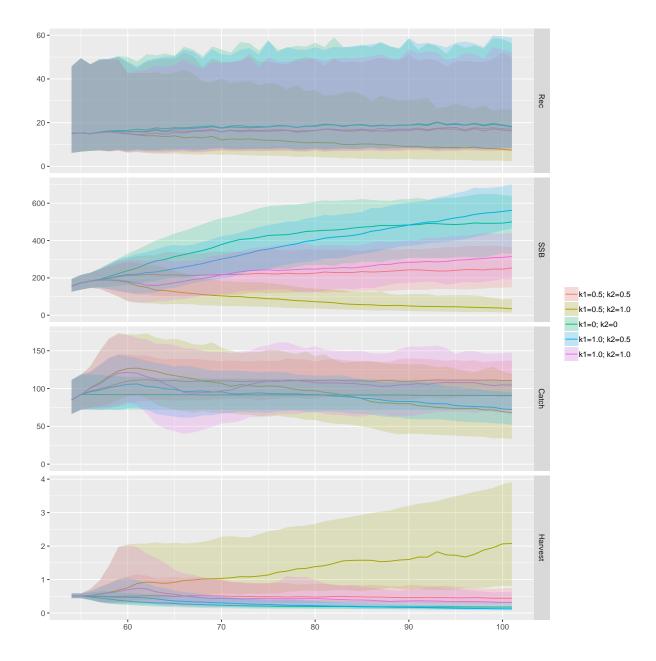


Figure 2 Time series for turbot of empirical HCR ran with different values of K1 & K2

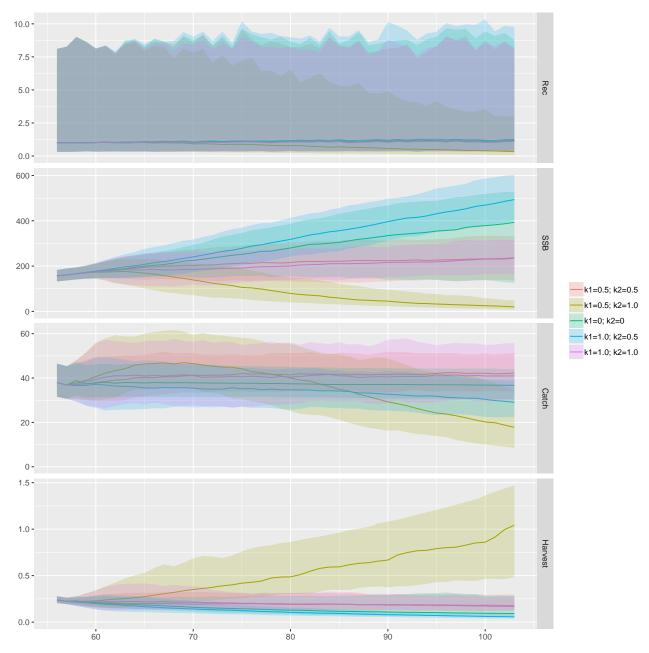


Figure 3 Time series for pollack of empirical HCR ran with different values of K1 & K2

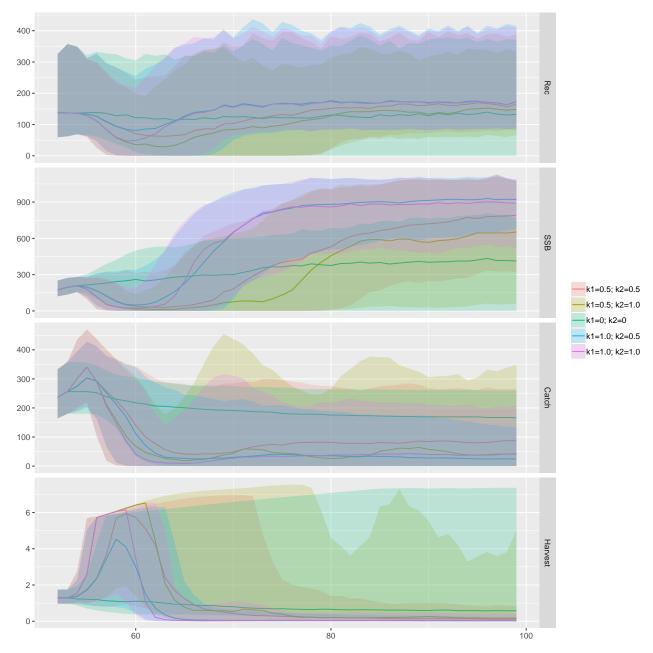


Figure 4 Time series for sprat of empirical HCR ran with different values of K1 & K2

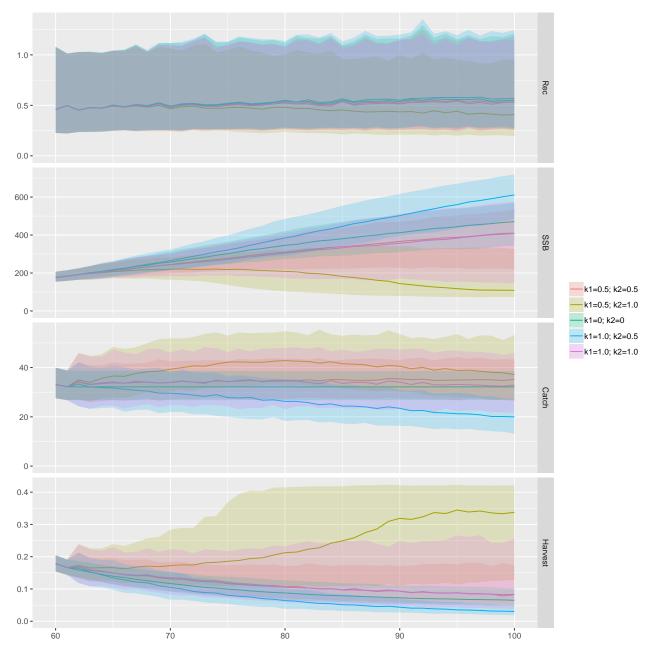


Figure 5 Time series for ray of empirical HCR ran with different values of K1 & K2

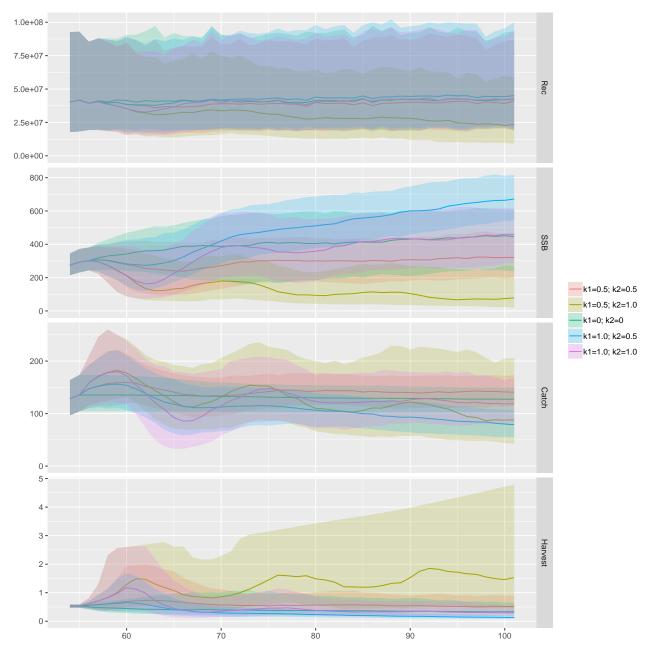
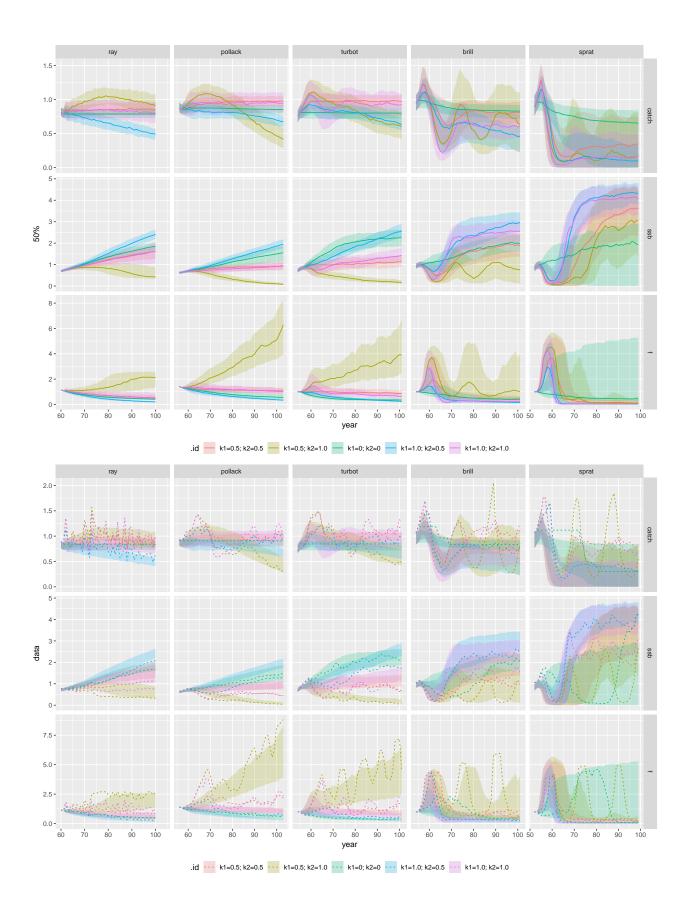
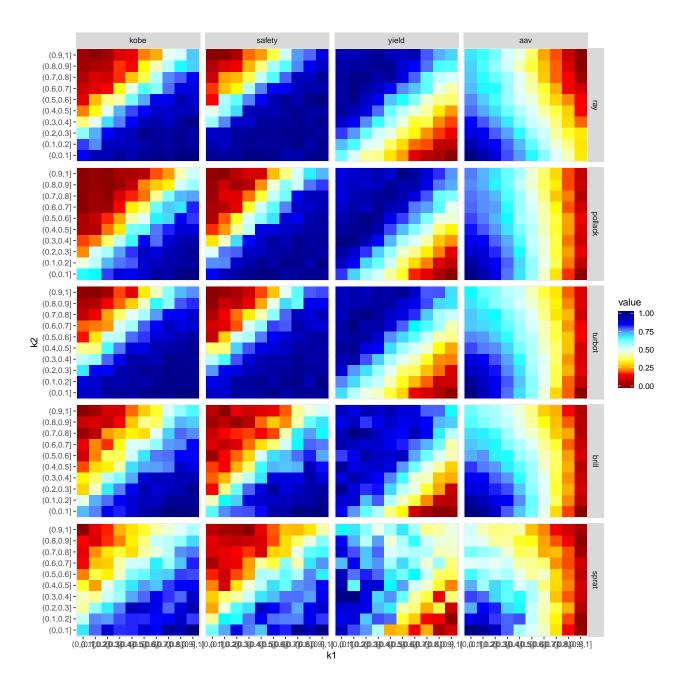
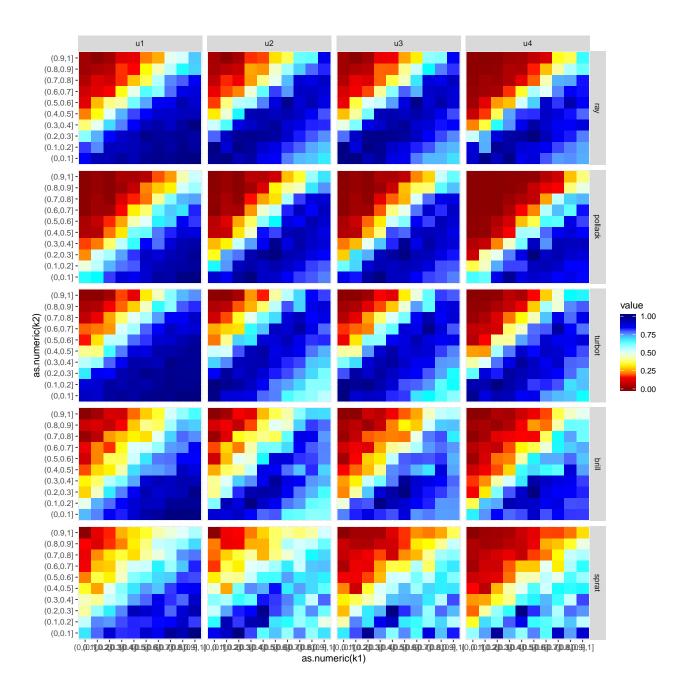
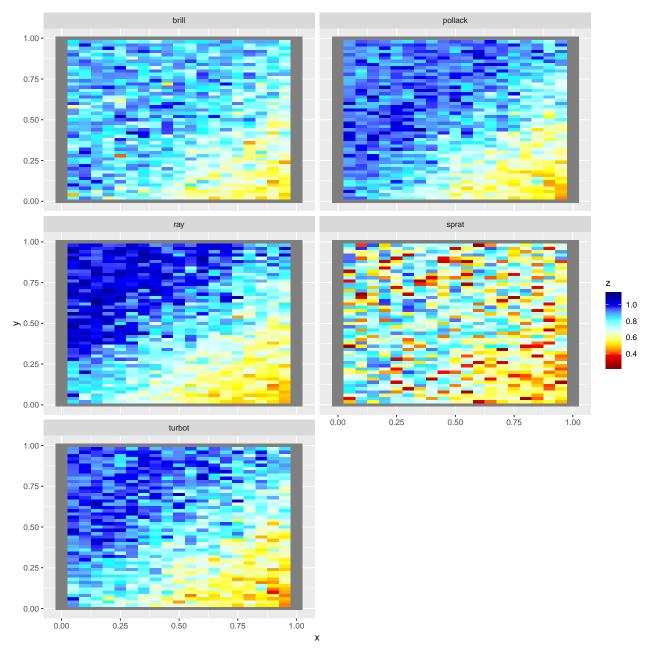


Figure 6 Time series for razor of empirical HCR ran with different values of K1 & K2









 ${\tt geom_density2d()}$

Software Versions

• R version 3.4.4 (2018-03-15)

FLCore: 2.6.9.9009
FLBRP: 2.5.3.9001
FLasher: 0.5.0.9001
FLife: 3.2.1.9001
ggplotFL: 2.6.4.9002

• Compiled: Wed Nov 14 22:18:42 2018

Author information

Laurence Kell. laurie@seaplusplus.es

Acknowledgements

This vignette and many of the methods documented in it were developed under the MyDas project funded by the Irish exchequer and EMFF 2014-2020. The overall aim of MyDas is to develop and test a range of assessment models and methods to establish Maximum Sustainable Yield (MSY) reference points (or proxy MSY reference points) across the spectrum of data-limited stocks.

References

Session Info

R version 3.4.4 (2018-03-15)

Platform: x86_64-pc-linux-gnu (64-bit) Running under: Ubuntu 16.04.2 LTS

Matrix products: default

BLAS: /usr/lib/libblas/libblas.so.3.6.0 LAPACK: /usr/lib/lapack/liblapack.so.3.6.0

locale:

[1] LC_CTYPE=en_US.UTF-8 LC_NUMERIC=C

[3] LC_TIME=en_GB.UTF-8 LC_COLLATE=en_US.UTF-8
[5] LC_MONETARY=en_GB.UTF-8 LC_MESSAGES=en_US.UTF-8

[7] LC_PAPER=en_GB.UTF-8 LC_NAME=C
[9] LC_ADDRESS=C LC_TELEPHONE=C
[11] LC_MEASUREMENT=en_GB.UTF-8 LC_IDENTIFICATION=C

attached base packages:

[1] stats graphics grDevices utils datasets methods base

other attached packages:

[1] akima_0.6-2 bindrcpp_0.2.2 dplyr_0.7.6

[4] reshape_0.8.7 FLife_3.2.1.9001 ggplotFL_2.6.4.9002

[7] FLCore_2.6.9.9009 lattice_0.20-35 plyr_1.8.4

[10] ggplot2_3.0.0 knitr_1.20

loaded via a namespace (and not attached):

[1] Rcpp_0.12.19 pillar_1.1.0 compiler_3.4.4 bindr_0.1.1 [5] tools_3.4.4 digest_0.6.15 evaluate_0.10.1 tibble_1.4.2 [9] gtable_0.2.0 pkgconfig_2.0.1 rlang_0.2.2 Matrix_1.2-10 [13] yaml_2.1.18 gridExtra_2.3 $withr_2.1.2$ stringr_1.3.1 [17] stats4_3.4.4 rprojroot_1.3-2 grid_3.4.4 tidyselect_0.2.4 [21] glue_1.2.0 R6_2.2.2 rmarkdown_1.9 $sp_1.2-5$ [25] FLBRP_2.5.3.9001 purrr_0.2.5 magrittr_1.5 codetools_0.2-15 [29] backports_1.1.2 scales_1.0.0 htmltools_0.3.6 MASS_7.3-51 [33] assertthat_0.2.0 colorspace_1.3-2 labeling_0.3 stringi_1.2.3

[37] lazyeval_0.2.1 munsell_0.5.0