# Grid empd

Razors L Kell

13 November, 2018

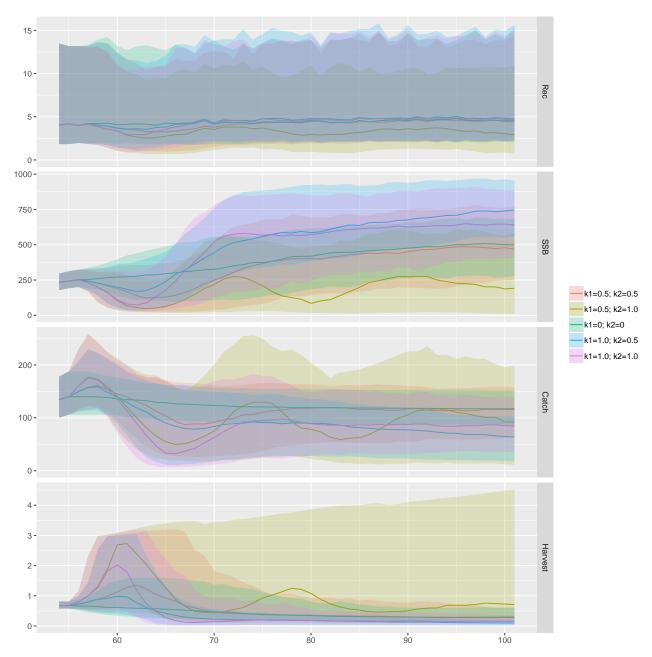


Figure 1 Time series for brill of empirical HCR ran with different values of K1 & K2

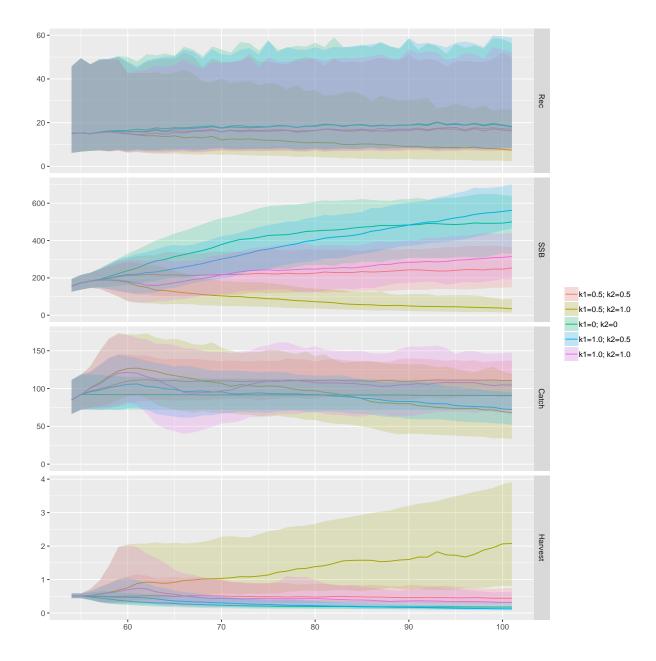


Figure 2 Time series for turbot of empirical HCR ran with different values of K1 & K2

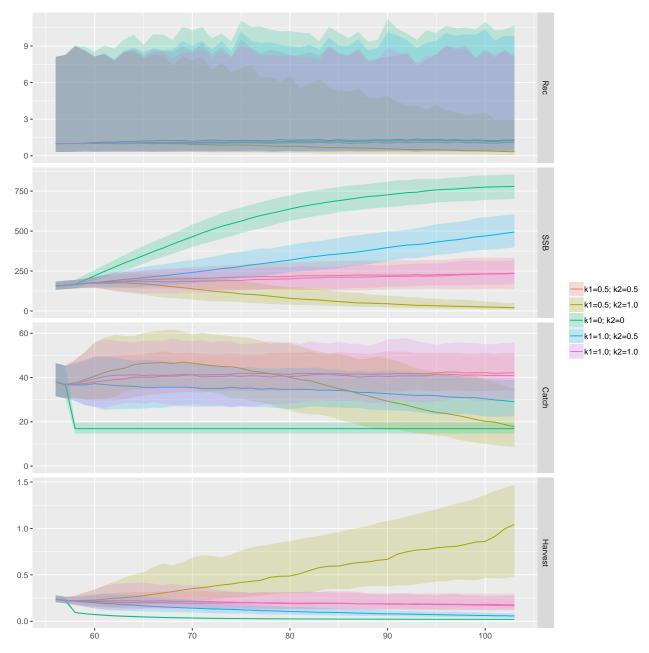


Figure 3 Time series for polack of empirical HCR ran with different values of K1 & K2

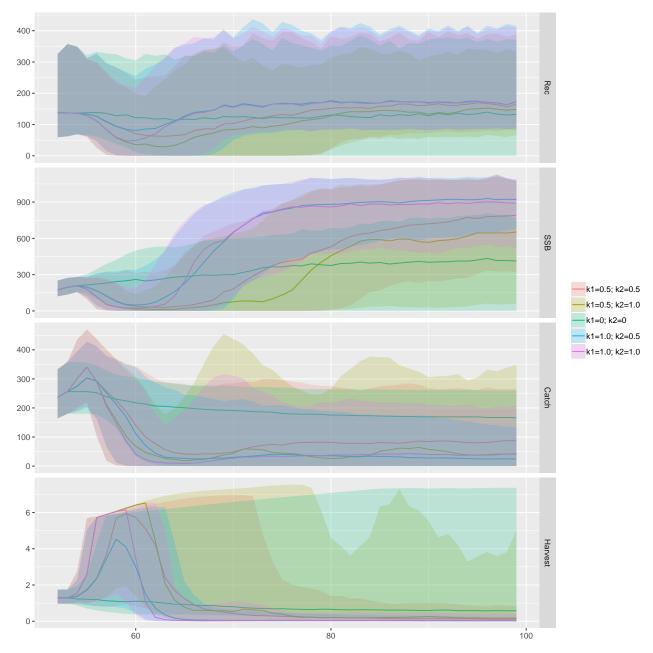


Figure 4 Time series for sprat of empirical HCR ran with different values of K1 & K2

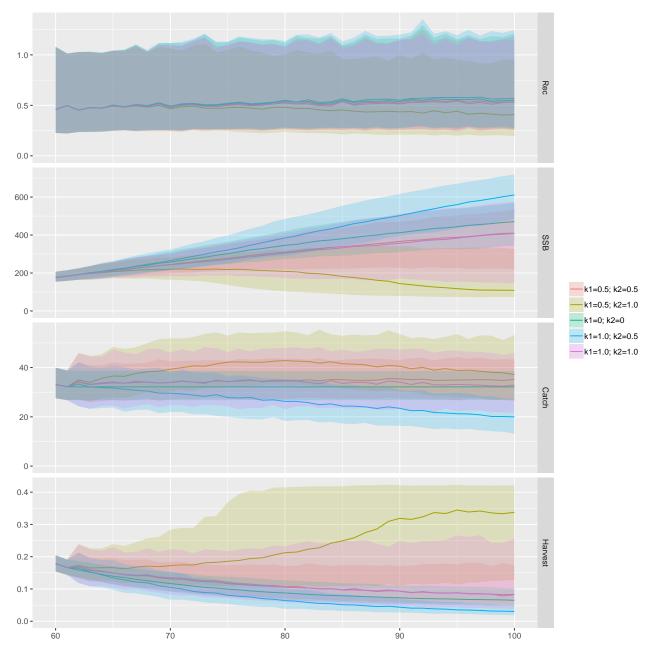


Figure 5 Time series for ray of empirical HCR ran with different values of K1 & K2

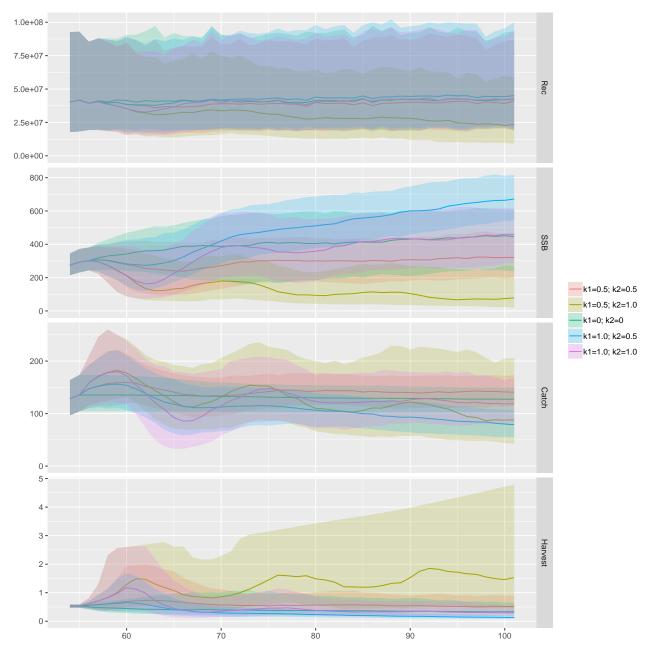


Figure 6 Time series for razor of empirical HCR ran with different values of K1 & K2

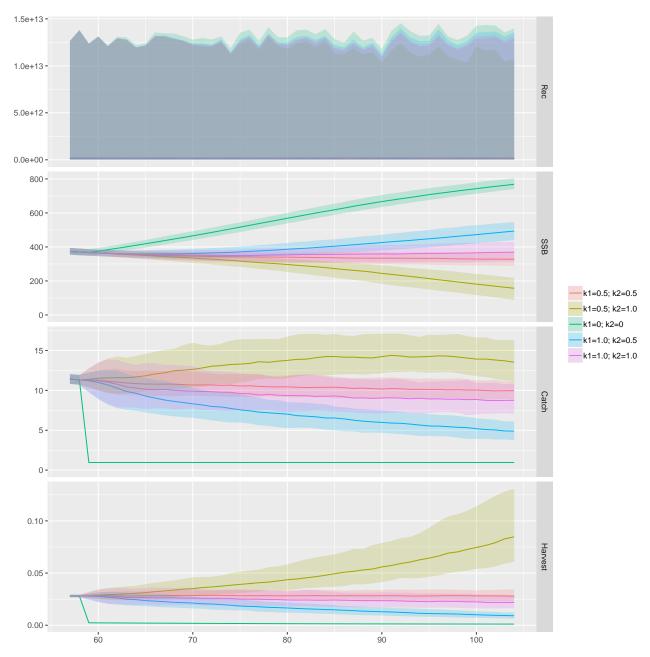


Figure 7 Time series for lobster of empirical HCR ran with different values of K1 & K2

#### **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: Tue Nov 13 09:46:18 2018

#### **Author information**

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#### 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

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

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[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] ggplotFL\_2.6.4.9002 FLCore\_2.6.9.9009 lattice\_0.20-35 [4] plyr\_1.8.4 ggplot2\_3.0.0 knitr\_1.20

loaded via a namespace (and not attached):

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