

Cross test using Operating Model based on Life History

LBSPR, length based assessment

L Kell

09 July, 2018

OM

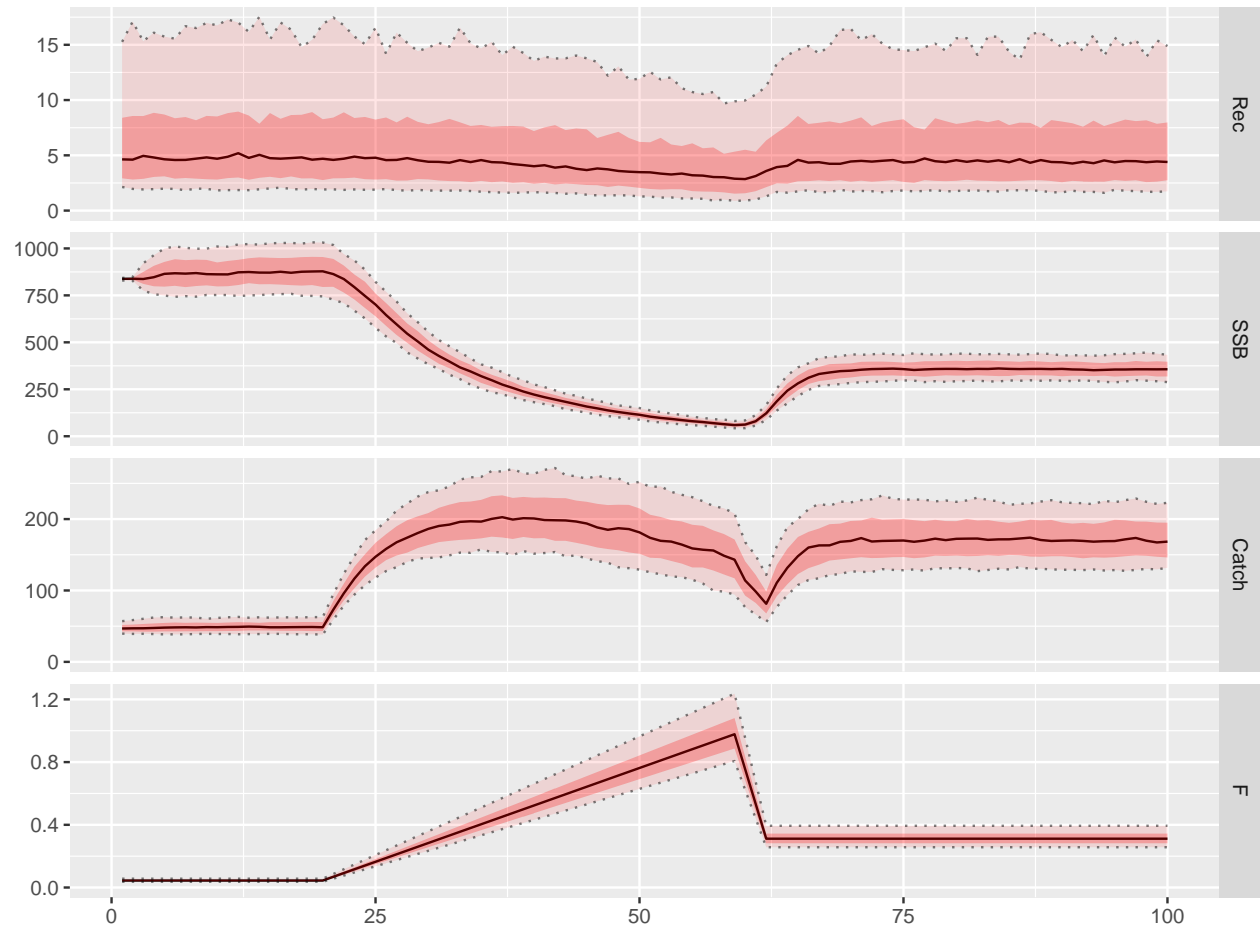


Figure 1 Operating model for Brill.

OEM

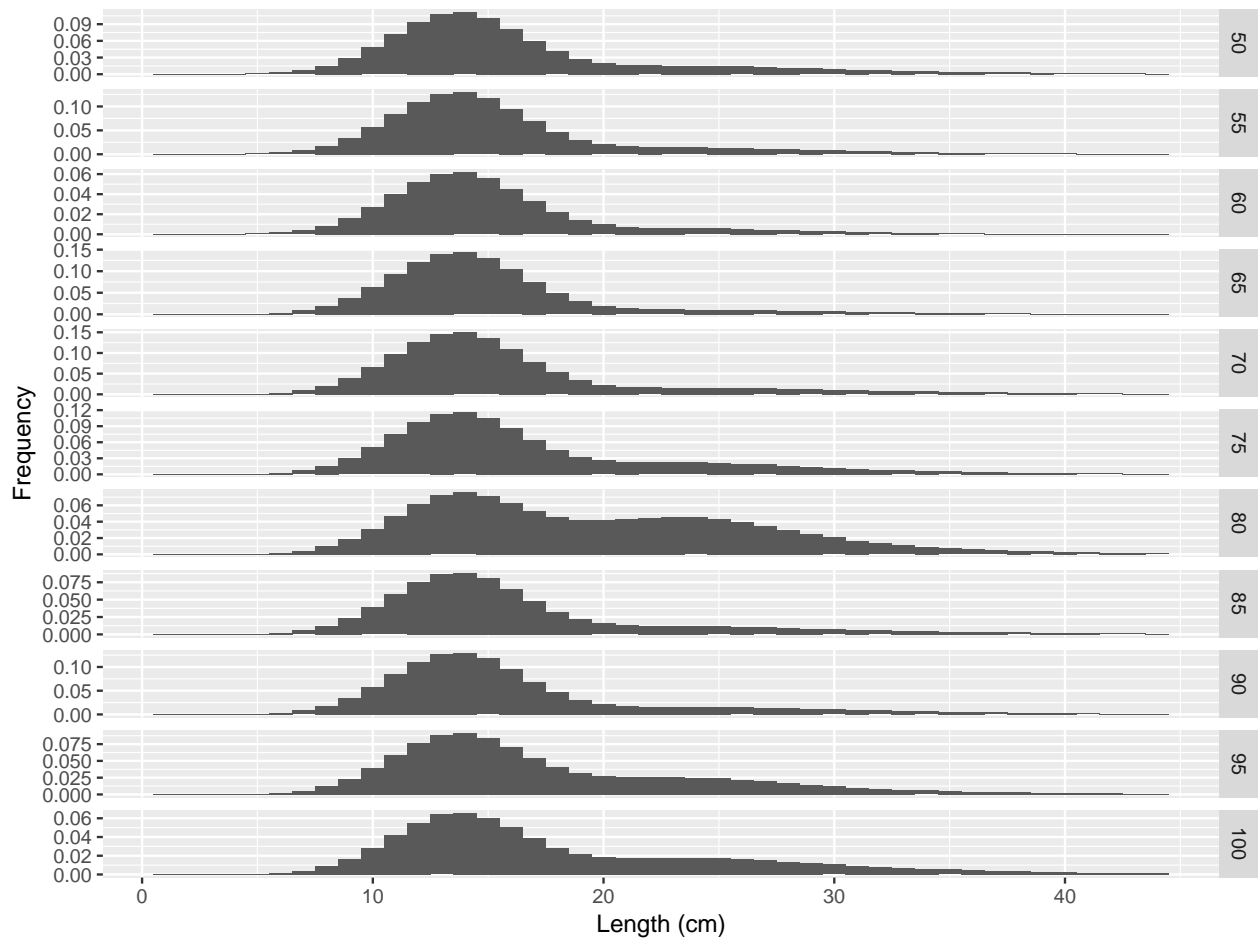


Figure 2 Catch size data .

MP

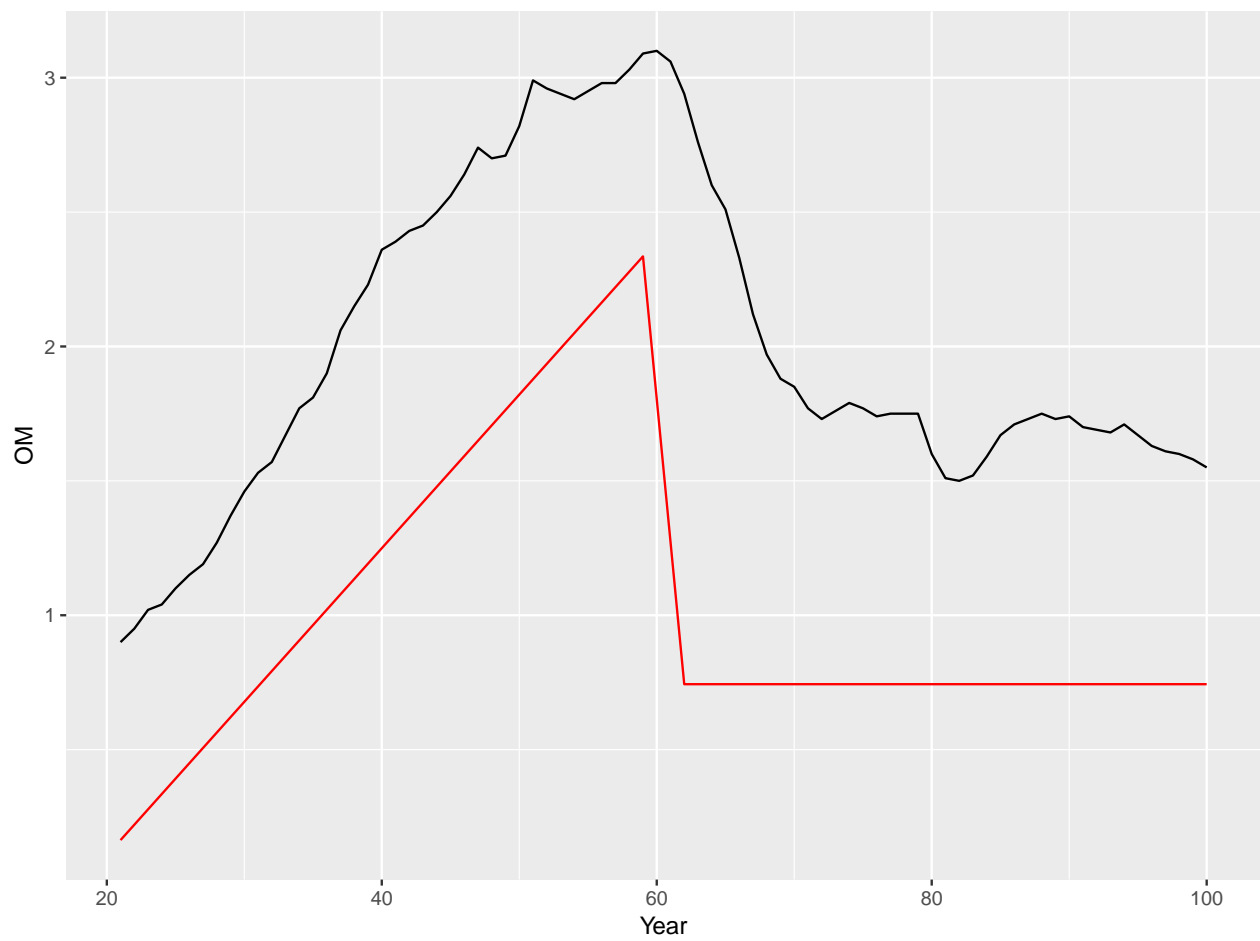


Figure 3 Comparison of estimated and actual F/M ratios.

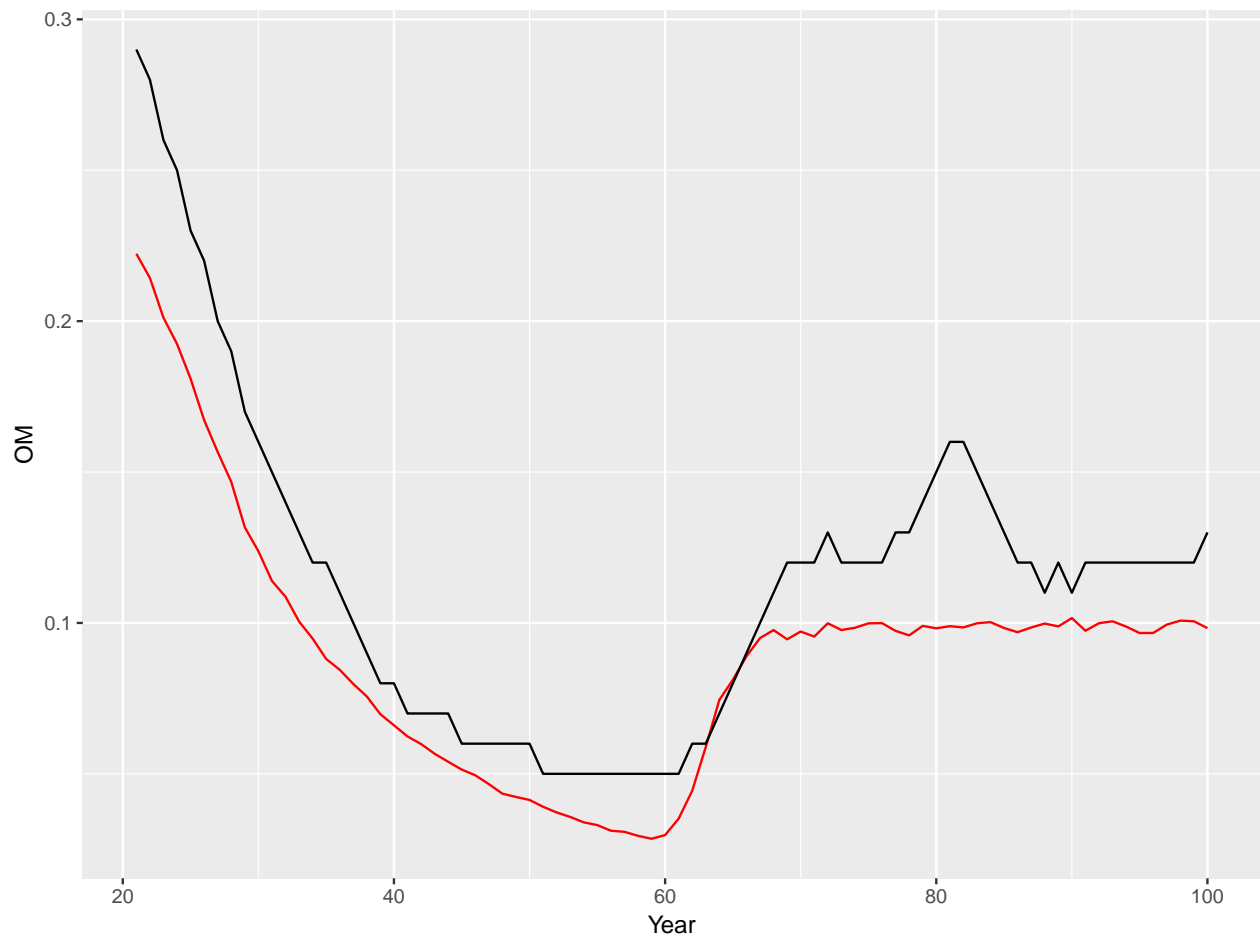


Figure 4 Estimated SPR.

Session Info

R version 3.4.1 (2017-06-30)
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] LBSPR_0.1.2 FLife_3.2.0 FLRP_1.0.1.9001 ggplotFL_2.6.3
[5] FLCore_2.6.8 lattice_0.20-35 dplyr_0.7.5 ggplot2_3.0.0
[9] reshape_0.8.7 plyr_1.8.4 knitr_1.20

loaded via a namespace (and not attached):
[1] Rcpp_0.12.17 RColorBrewer_1.1-2 pillar_1.1.0
[4] compiler_3.4.1 bindr_0.1.1 tools_3.4.1
[7] digest_0.6.15 evaluate_0.10.1 tibble_1.4.2
[10] gtable_0.2.0 pkgconfig_2.0.1 rlang_0.2.1
[13] Matrix_1.2-10 yaml_2.1.18 bindrcpp_0.2.2
[16] gridExtra_2.3 withr_2.1.2 stringr_1.3.1
[19] stats4_3.4.1 rprojroot_1.3-2 grid_3.4.1
[22] tidyselect_0.2.4 glue_1.2.0 R6_2.2.2
[25] plotrix_3.7 rmarkdown_1.9 tidyr_0.7.1
[28] purrr_0.2.5 magrittr_1.5 codetools_0.2-15
[31] backports_1.1.2 scales_0.5.0 htmltools_0.3.6
[34] MASS_7.3-47 assertthat_0.2.0 colorspace_1.3-2
[37] labeling_0.3 stringi_1.2.3 lazyeval_0.2.1
[40] munsell_0.5.0

Software Versions

- R version 3.4.1 (2017-06-30)
- FLCore: 2.6.8
- FLife: 3.2.0
- FLRP: 1.0.1.9001
- **Compiled:** Mon Jul 9 08:22:21 2018

Author information

Laurence **KELL**. laurie@kell.es

References