Cross test using Operating Model based on Life History

LBSPR, length based assessment

L Kell
08 July, 2018

\mathbf{OM}

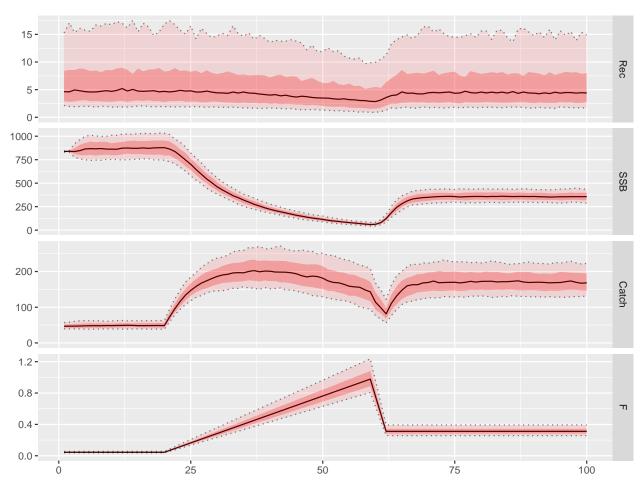


Figure 1 Operating model for Brill.

\mathbf{OEM}

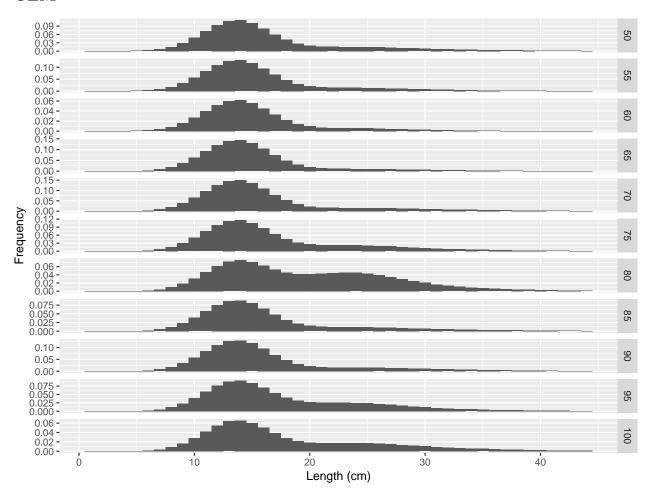


Figure 2 Catch size data .

\mathbf{MP}

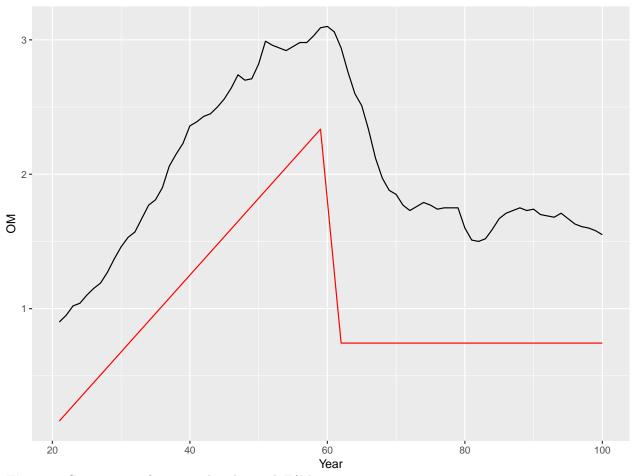


Figure 3 Comparison of estimated and actual F/M ratios.

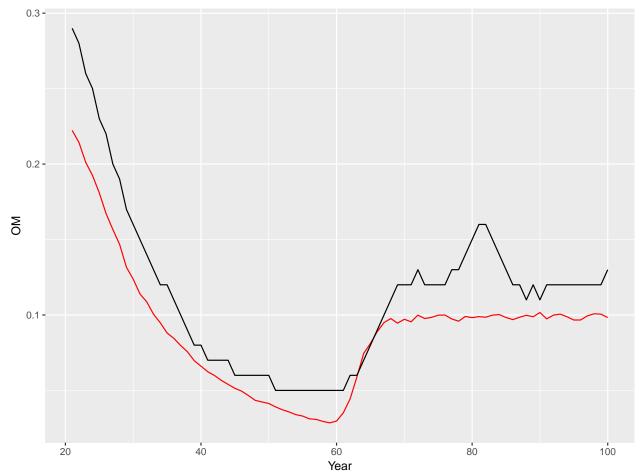


Figure 4 Estimated SPR.

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 LC MESSAGES=en US.UTF-8 [5] LC MONETARY=en GB.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 lazyeval_0.2.1 [37] labeling_0.3 stringi_1.2.3 [40] munsell_0.5.0

Software Versions

- R version 3.4.1 (2017-06-30)
- FLCore: 2.6.8FLife: 3.2.0FLRP: 1.0.1.9001
- Compiled: Sun Jul 8 20:49:36 2018

Author information

Laurence KELL. laurie@kell.es

References