

Random Grid

Figs

L Kell & A Tidd

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Life history parameters

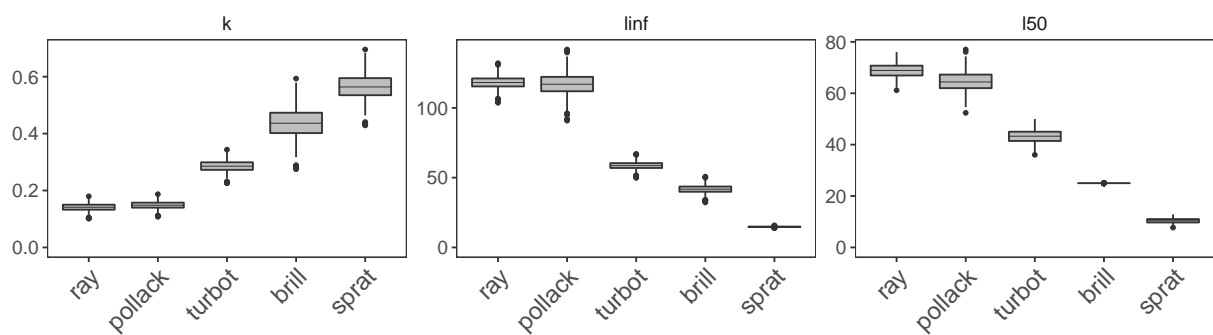


Figure 1 Life history parameters.

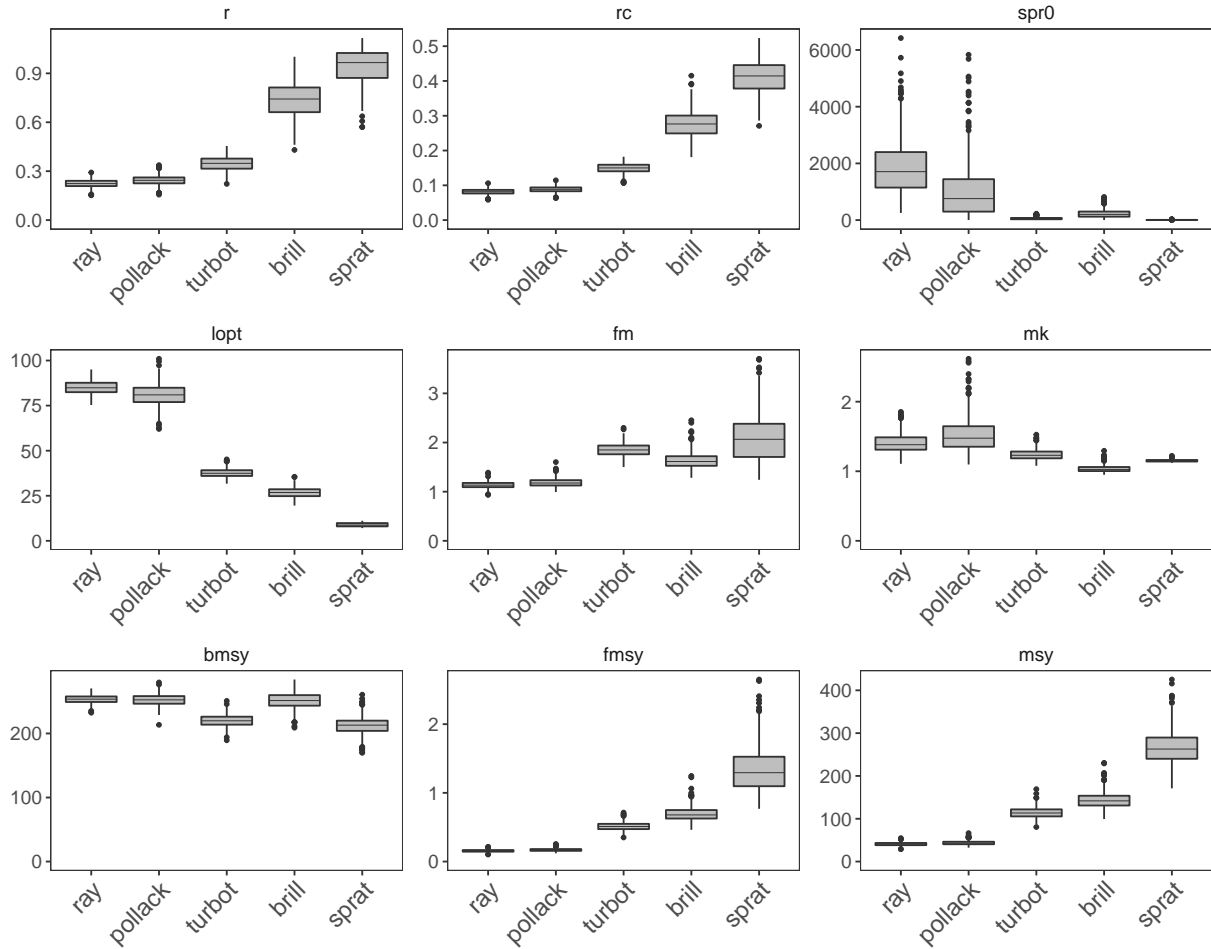


Figure 2 Reference points.

Equilibrium dynamics

The parameters are then used by `1hEq1` to simulate the equilibrium dynamics by combining the spawner/yield per recruit relationships with a stock recruitment relationship.

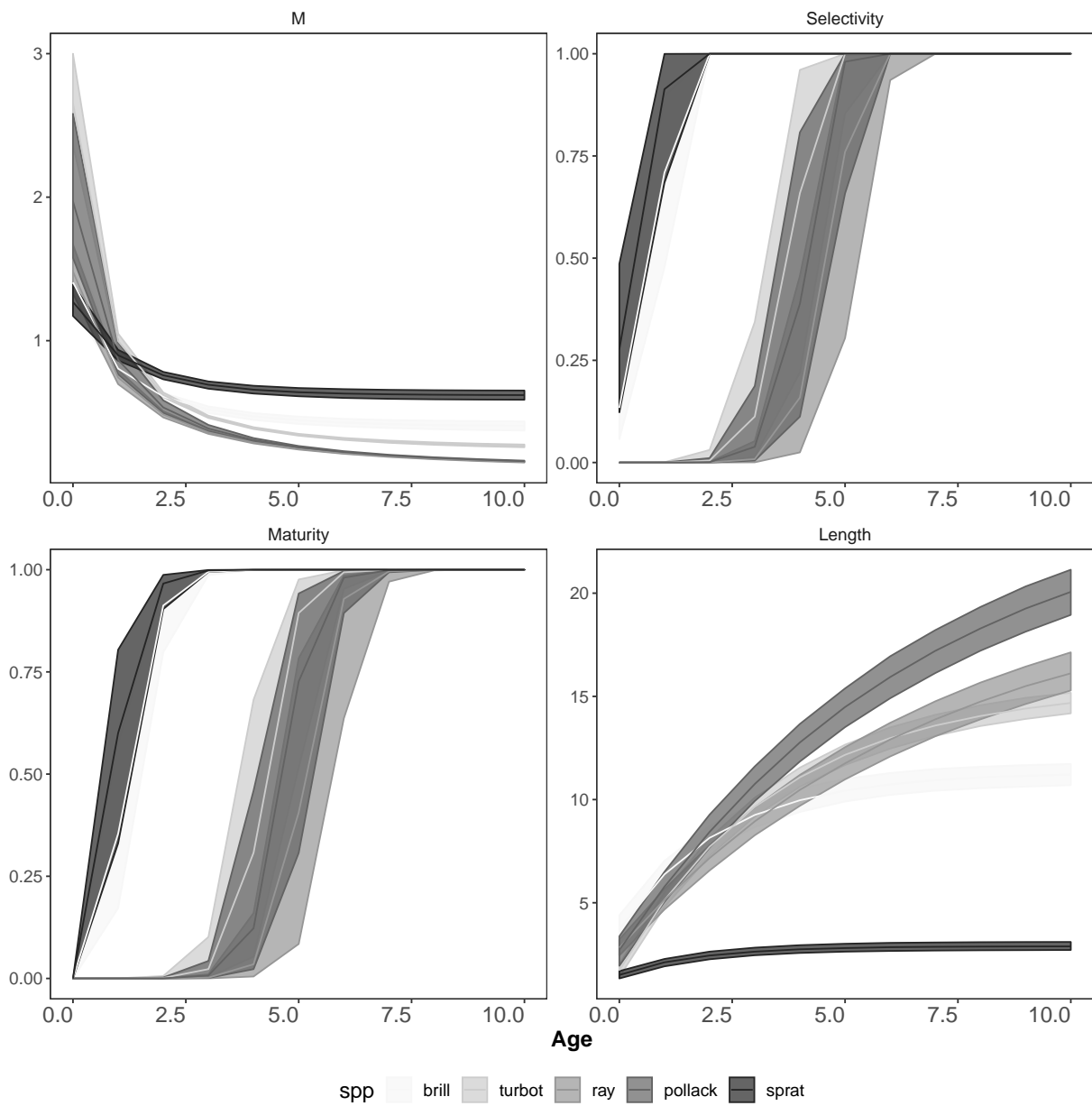


Figure 3 Vectors.

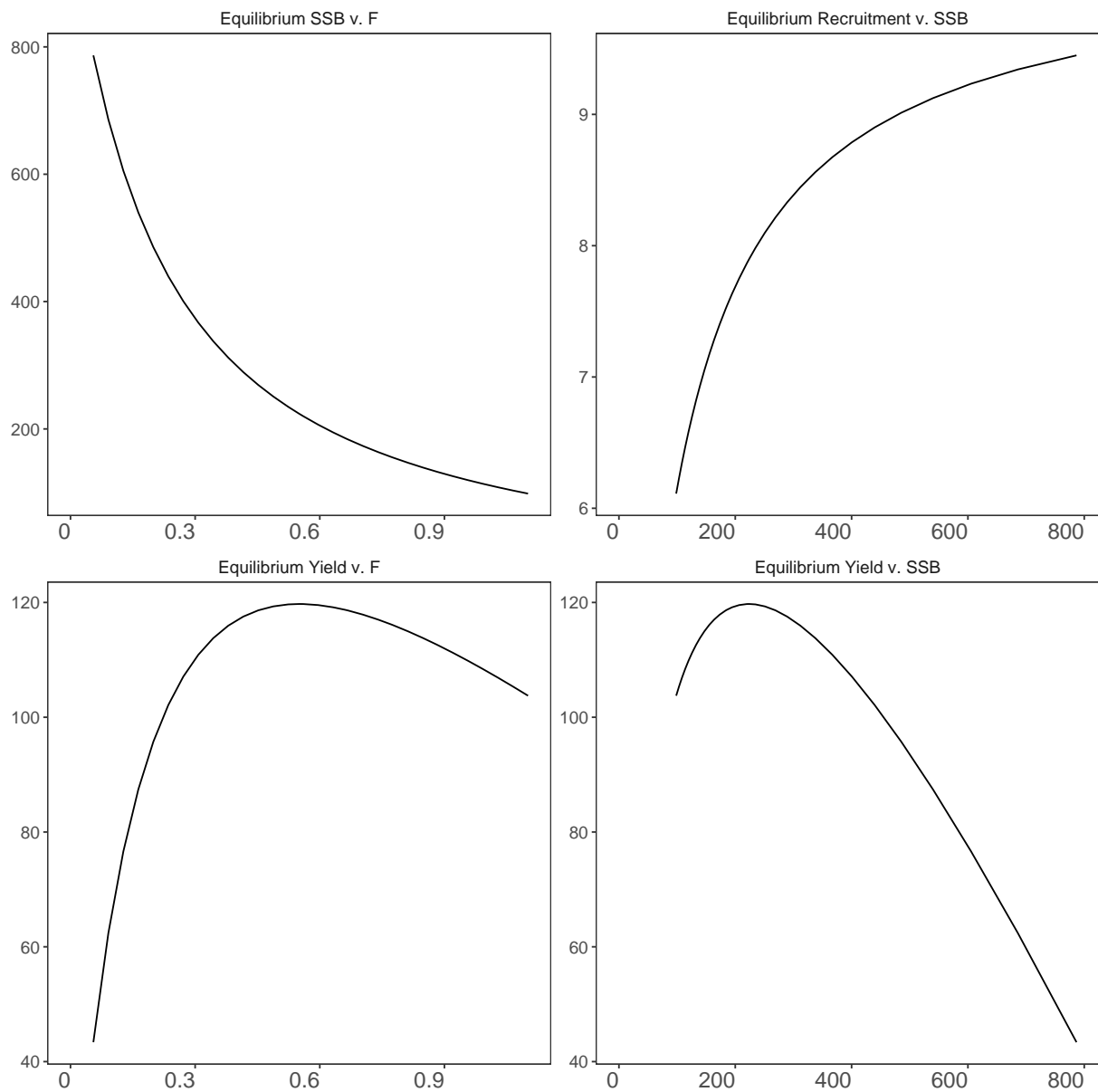


Figure 4 Equilibrium Curves.

Population dynamics

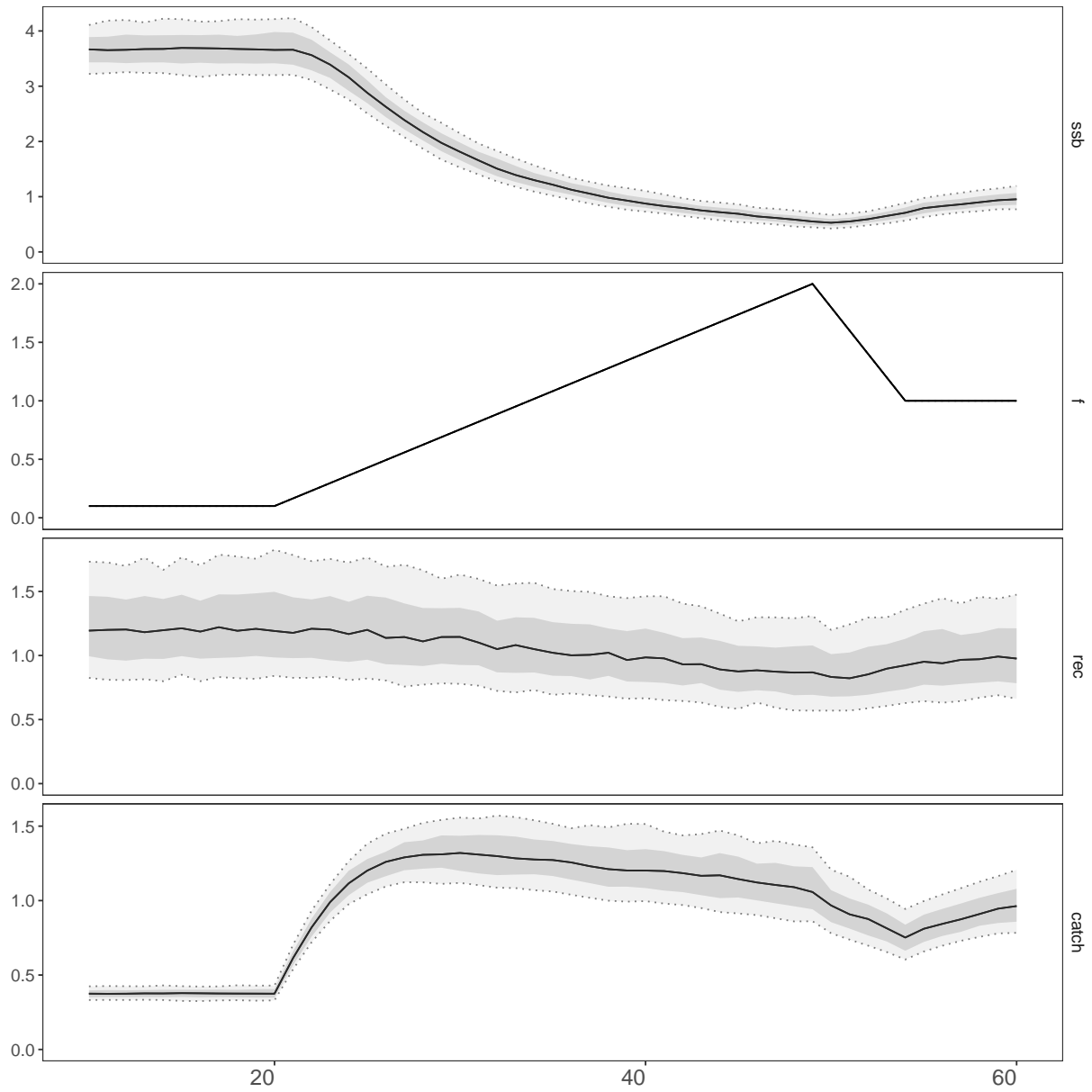


Figure 5 Time series relative to MSY benchmarks.

Software Versions

- R version 3.5.0 (2018-04-23)
- FLCore: 2.6.9.9007
- FLBRP: 2.5.3
- FLasher: 0.5.0
- FLife: 3.2.1
- ggplotFL: 2.6.4
- **Compiled:** Wed Nov 07 18:14:05 2018

Author information

Laurence Kell. laurie@seaplusplus.es

Acknowledgements

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References

Session Info

R version 3.5.0 (2018-04-23)
Platform: x86_64-w64-mingw32/x64 (64-bit)
Running under: Windows 10 x64 (build 17134)

Matrix products: default

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[2] LC_CTYPE=English_United Kingdom.1252
[3] LC_MONETARY=English_United Kingdom.1252
[4] LC_NUMERIC=C
[5] LC_TIME=English_United Kingdom.1252

attached base packages:

[1] stats graphics grDevices utils datasets methods base

other attached packages:

[1] FLlife_3.2.1 ggplotFL_2.6.4 FLasher_0.5.0
[4] FLFishery_0.1.5.9001 FLBRP_2.5.3 FLCore_2.6.9.9007
[7] lattice_0.20-35 GGally_1.4.0 reshape_0.8.7
[10] dplyr_0.7.6 plyr_1.8.4 ggplot2_3.0.0
[13] knitr_1.20

loaded via a namespace (and not attached):

[1] Rcpp_0.12.16 pillar_1.2.3 compiler_3.5.0
[4] RColorBrewer_1.1-2 bindr_0.1.1 tools_3.5.0
[7] digest_0.6.15 evaluate_0.11 tibble_1.4.2
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