## FLife: Operating Model Conditioning

 $\begin{array}{c} \text{Brill} \\ L \ \textit{Kell} \\ 24 \ \textit{May}, \ 2018 \end{array}$ 

## Life history parameters

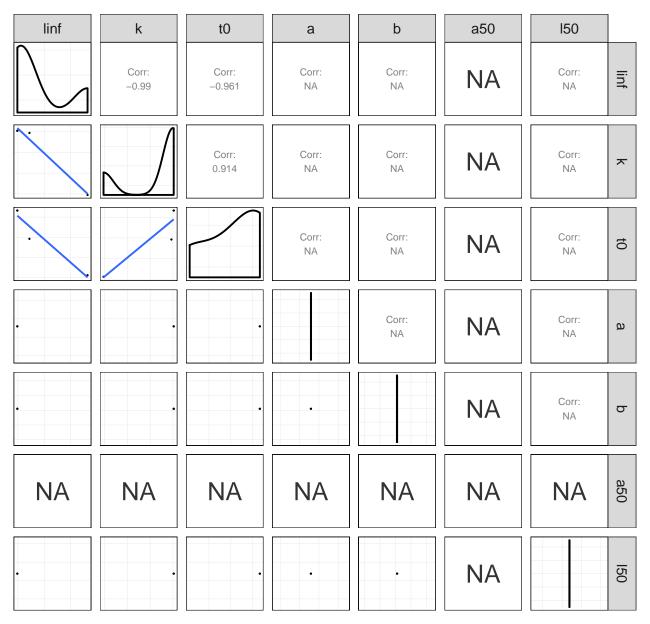
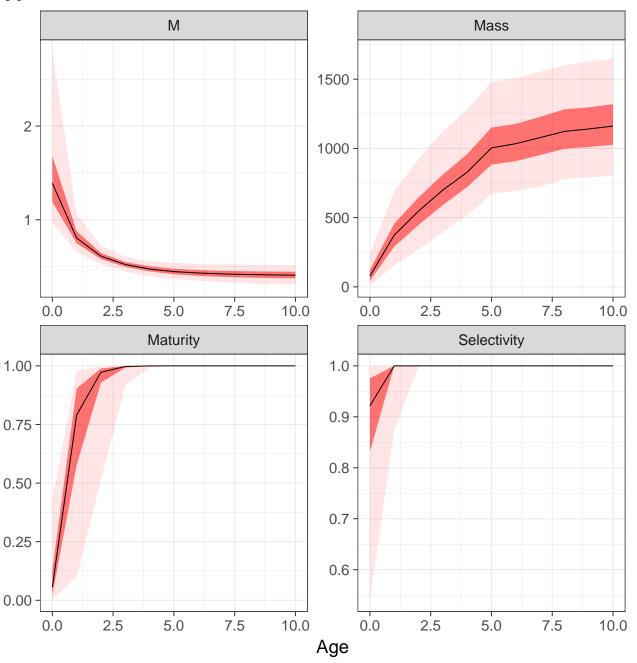


Figure 1 Pairwise scatter plots of life history parameters.

## 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 recruiment relationship.

[1] 1



 ${\bf Figure~2~Vectors}.$ 

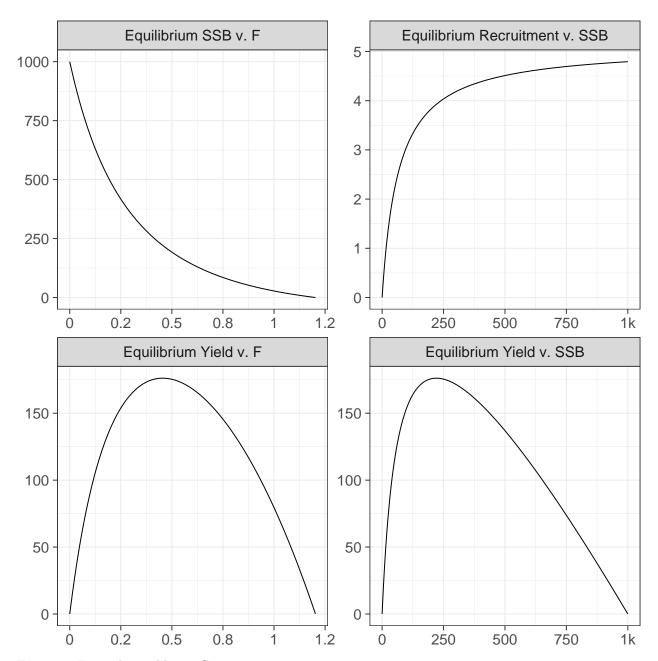


Figure 3 Example equilibrum Curve.

## Population dynamics

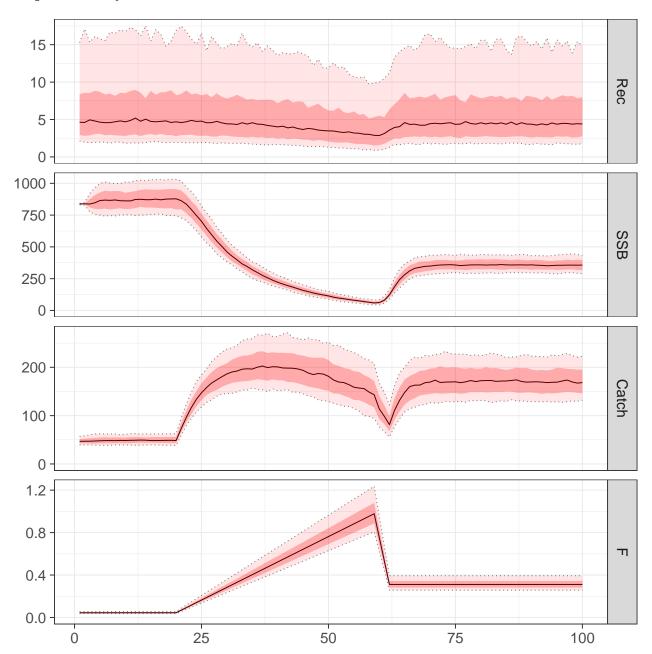


Figure 4 Time series.