

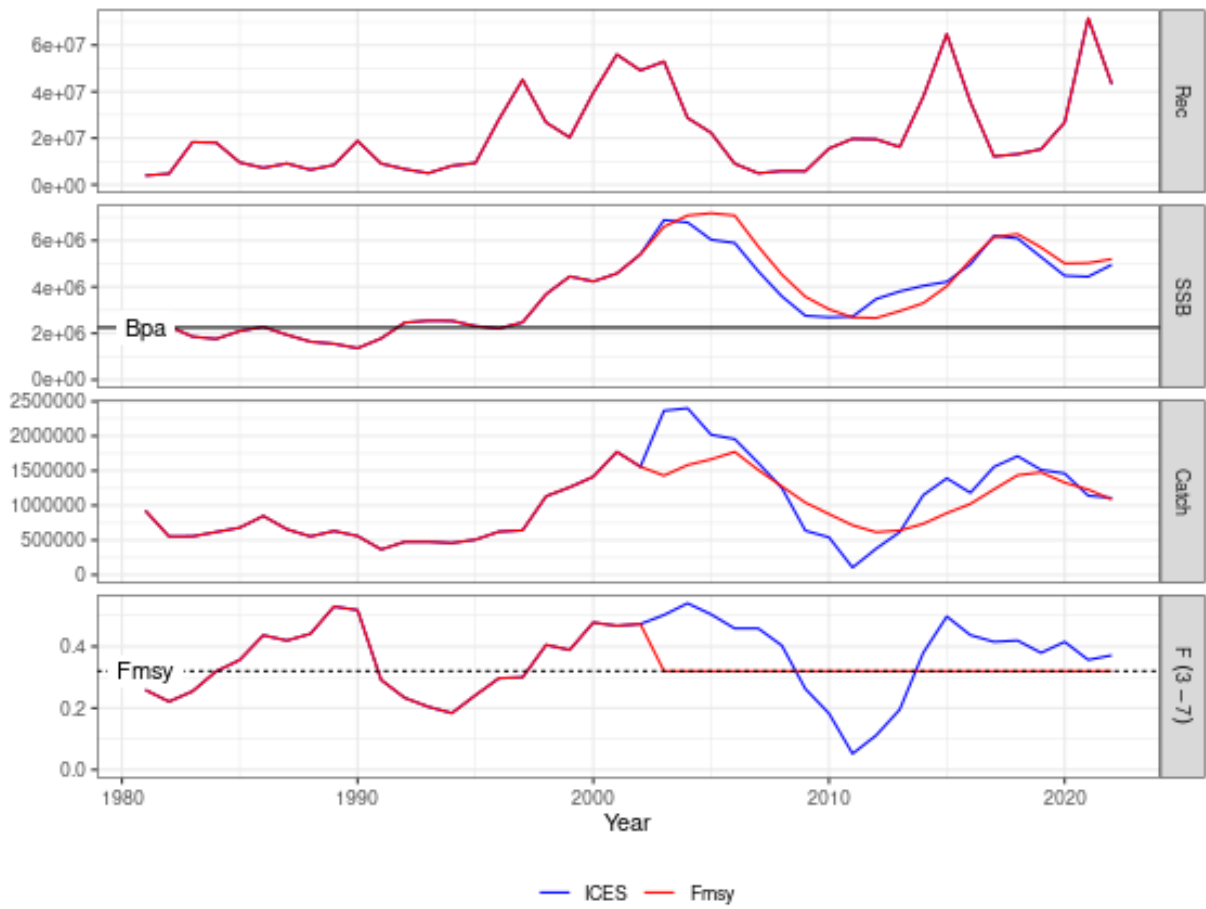
# Pelagics

## Operating Model Conditioning

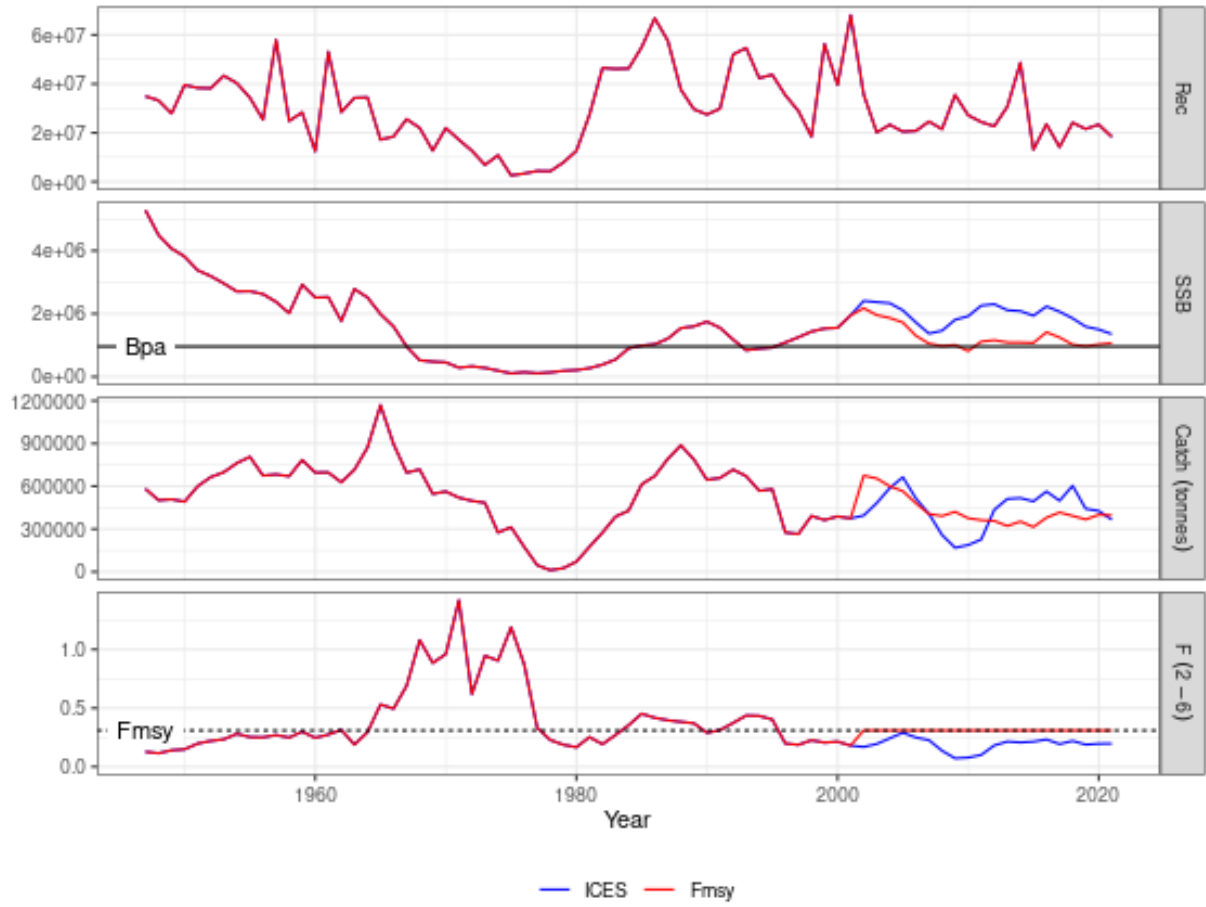
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19 November, 2022

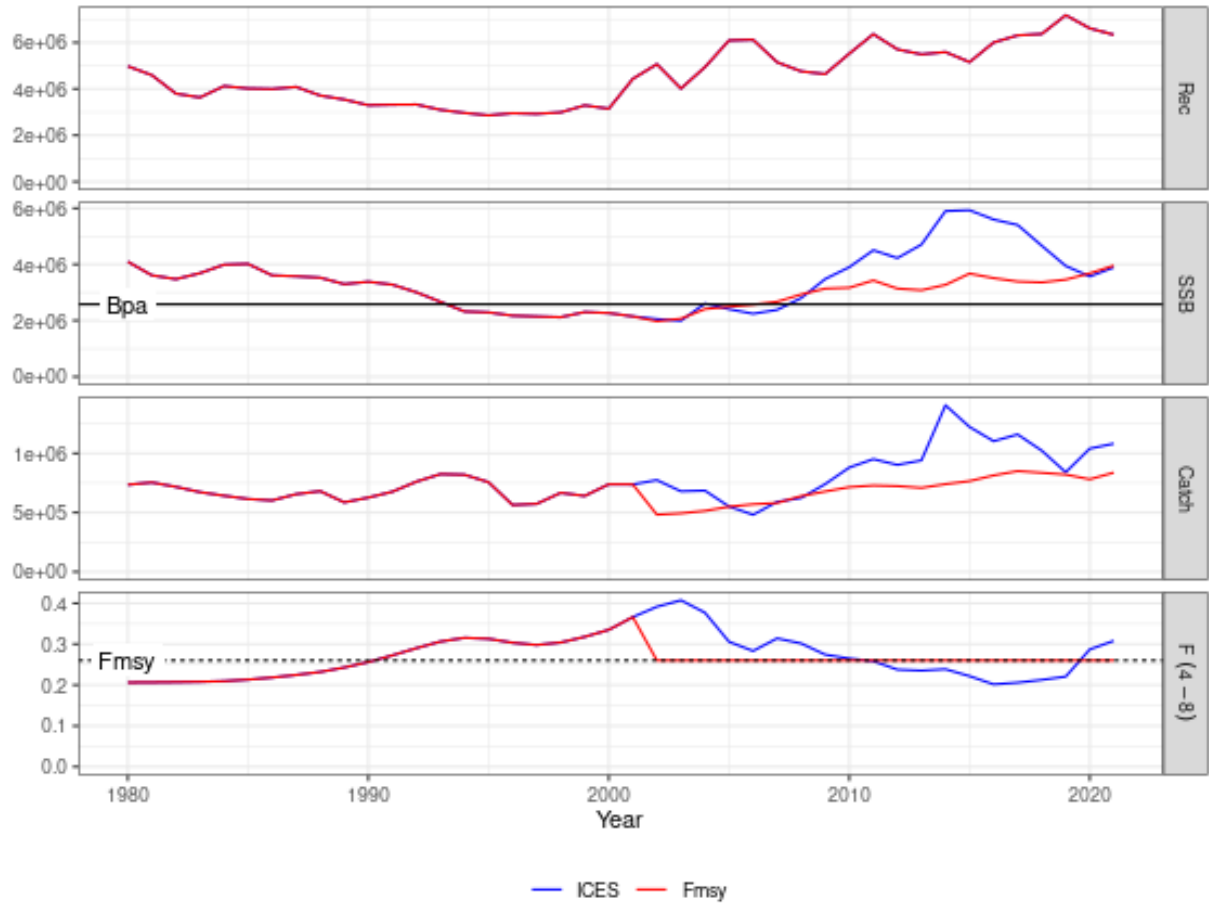
### ICES Assessments with an $F_{MSY}$ projection



**Figure 1** Blue whiting: assessment and  $F_{MSY}$  projection compared.

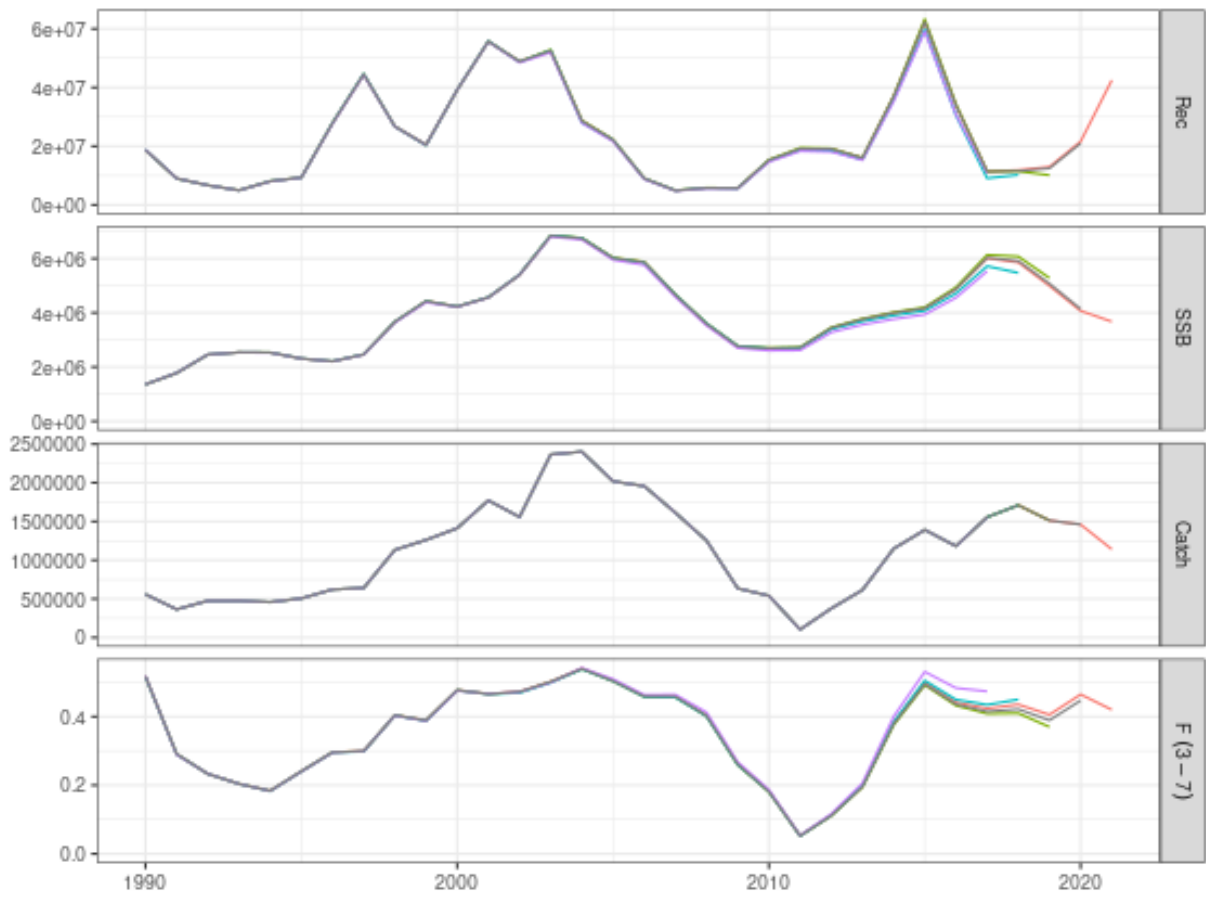


**Figure 2** Herring: assessment and  $F_{MSY}$  projection compared.

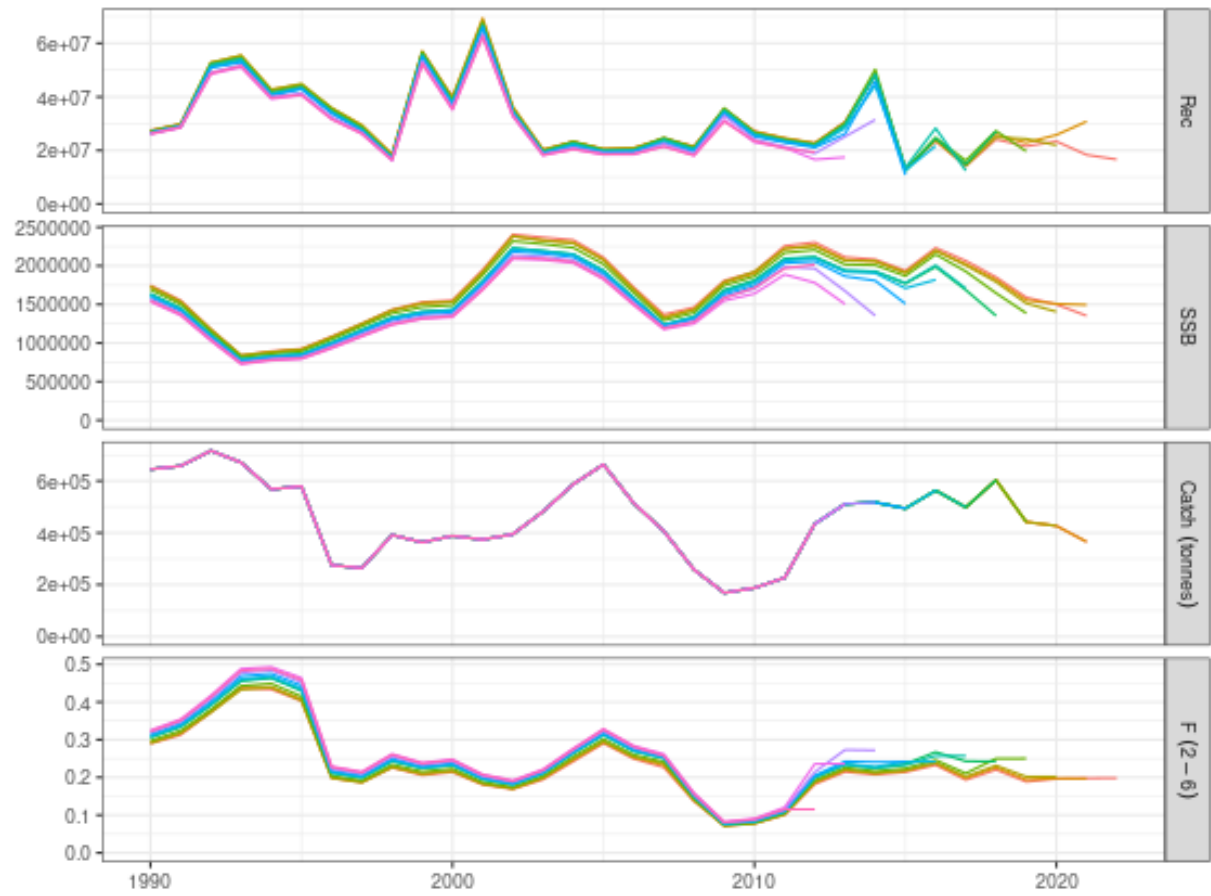


**Figure 3** Mackerel: assessment and  $F_{MSY}$  projection compared.

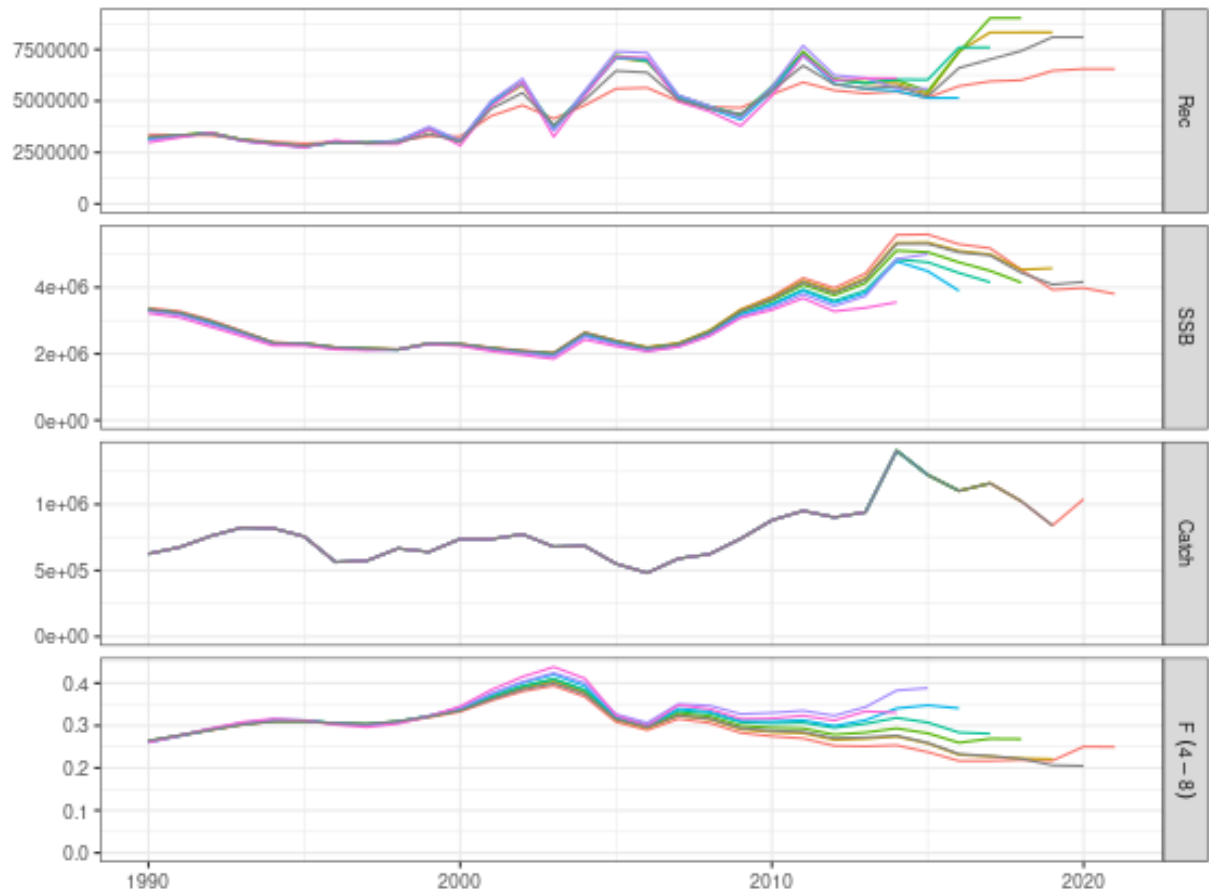
## Retrospective analyses



**Figure 4** Blue whiting: retrospective runs.

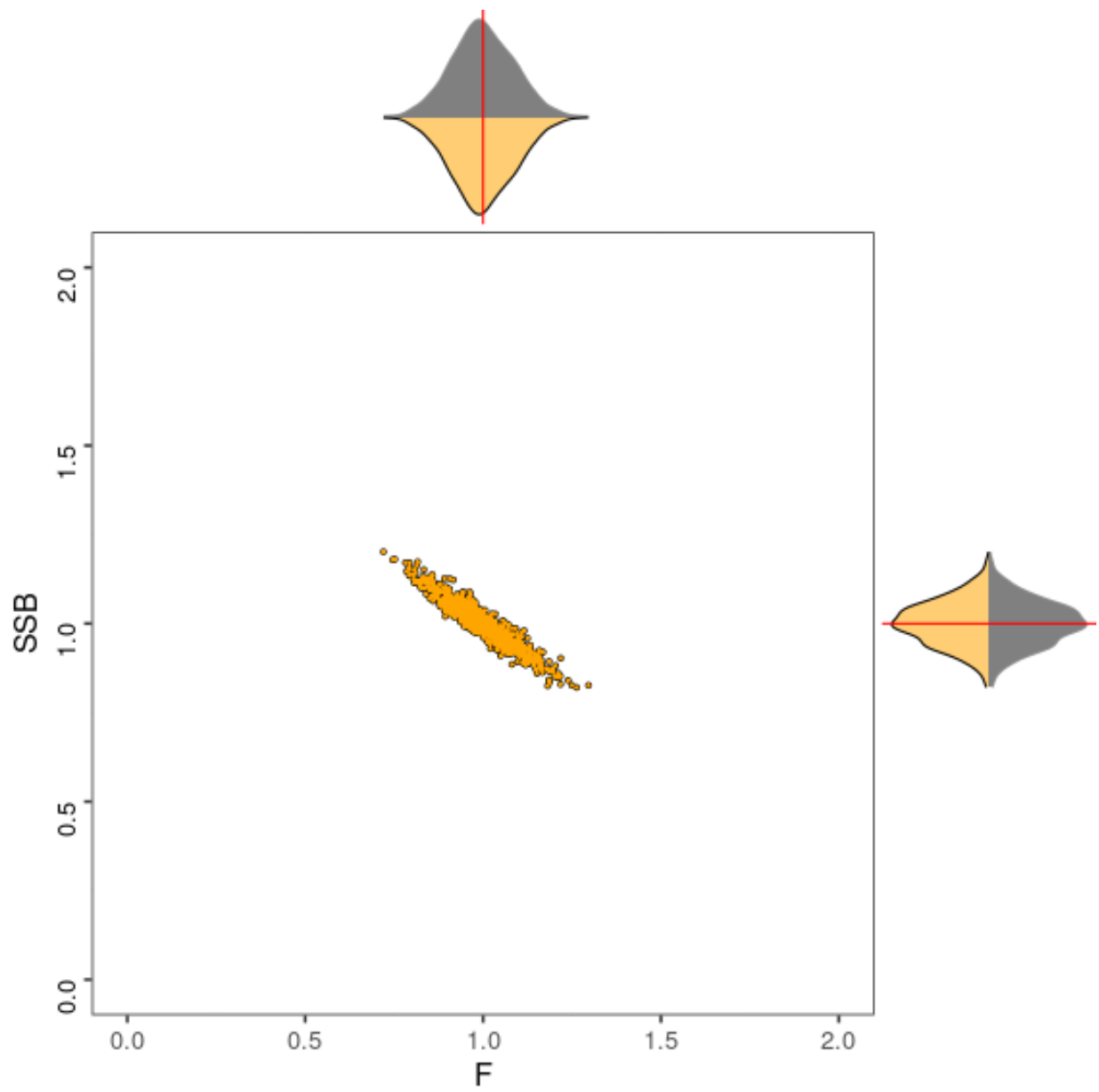


**Figure 5** Herring: retrospective runs.

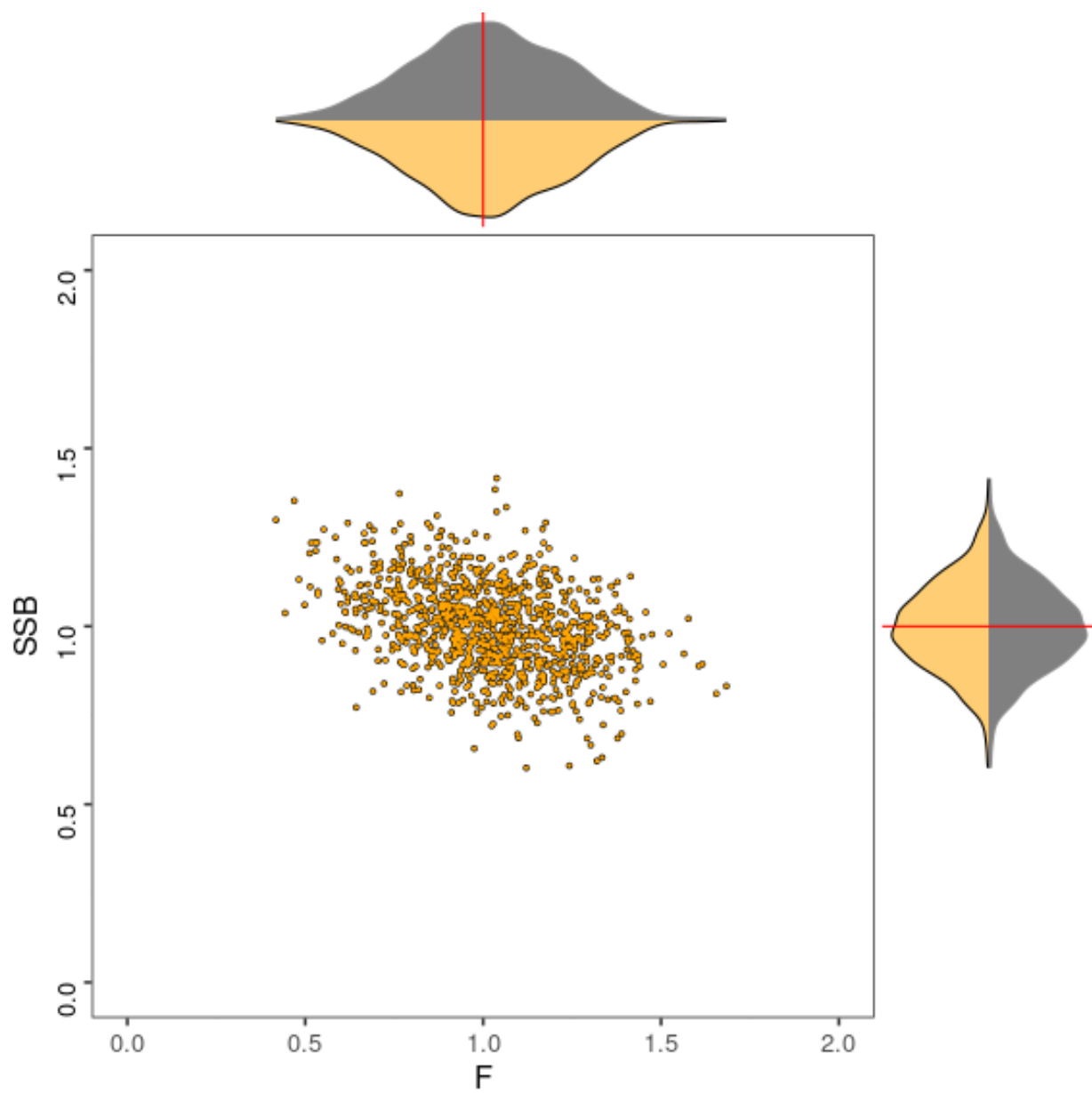


**Figure 6** Mackerel: retrospective runs.

## Assessment Error

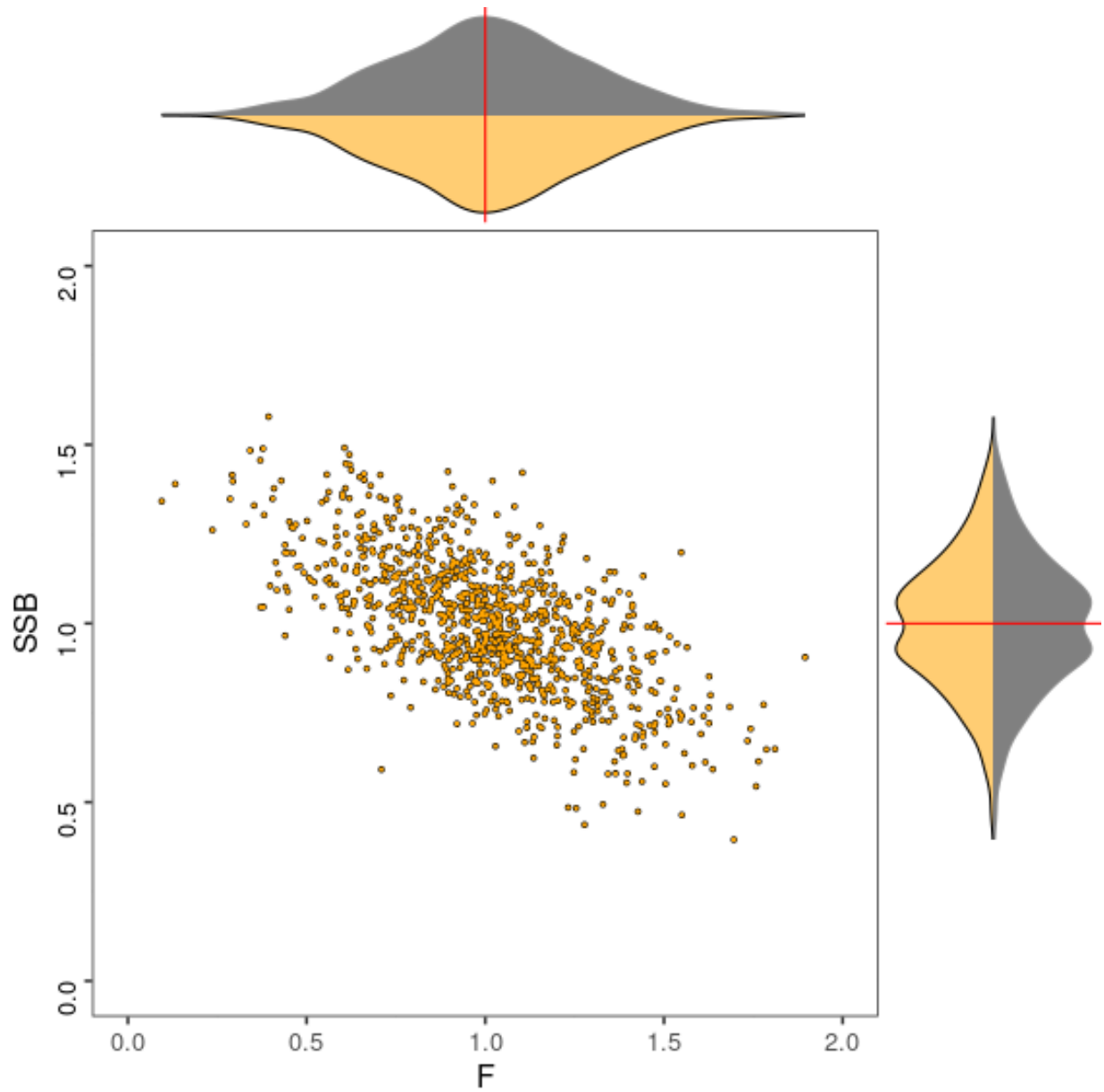


**Figure 7** Blue whiting: assessment error



**Figure 8** Herring: assessment error





**Figure 9** Mackerel: assessment error

**Funding**

**References**