

American Samoa Model Checks

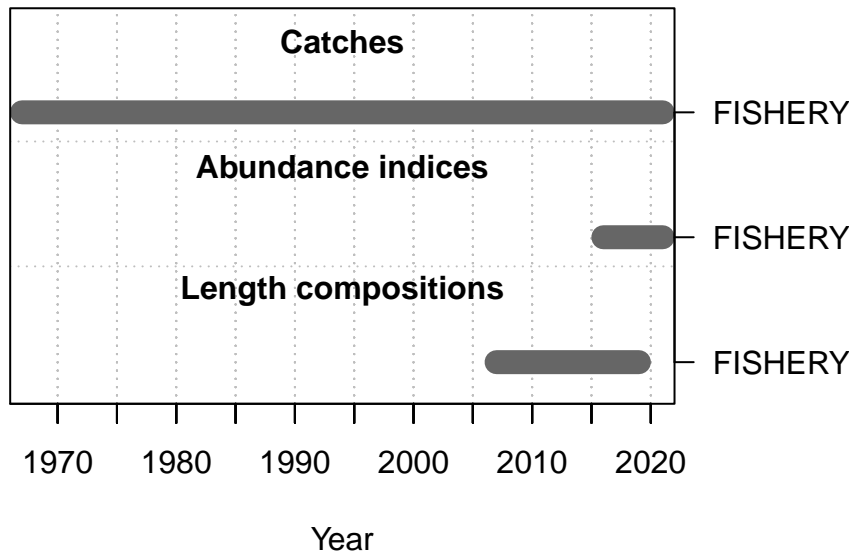
Marc Nadon and Meg Oshima

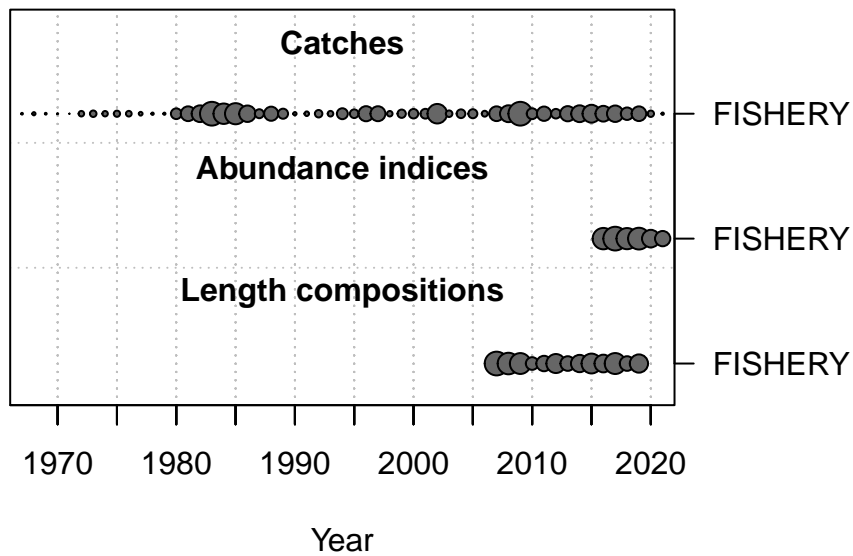
2023-02-27

This is a summary report for the APRU base model run.

Model Output

Input Data





Convergence Check

```

Converged      MaxGrad
1      TRUE 7.37979e-05

```

```

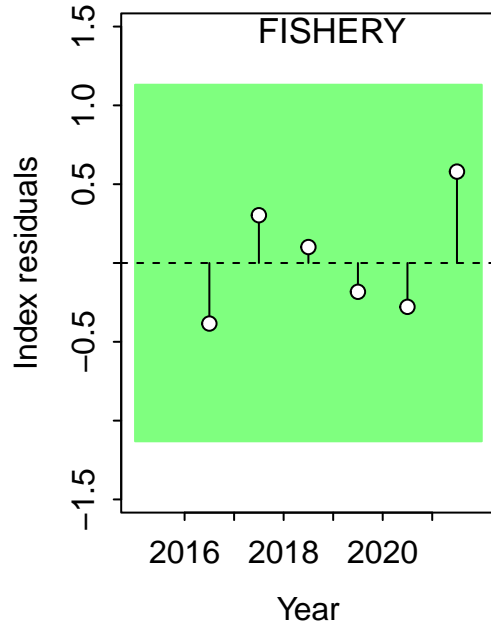
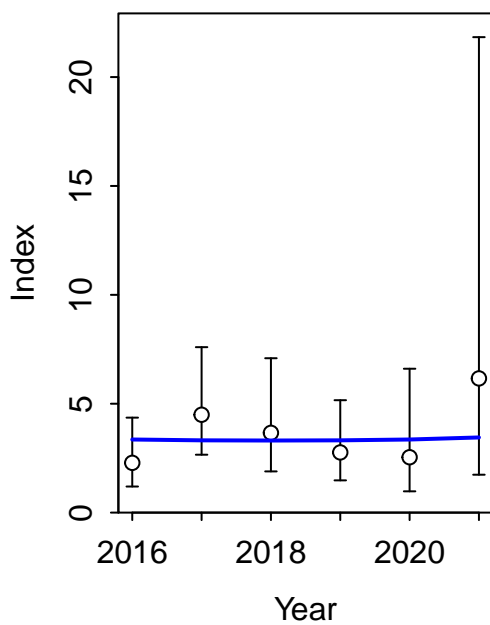
[1] "1 NOTE: Max data length bin: 90 < max pop len bins: 100; so will accumulate larger pop
[2] "N warnings: 1"

```

Fit to Model

CPUE

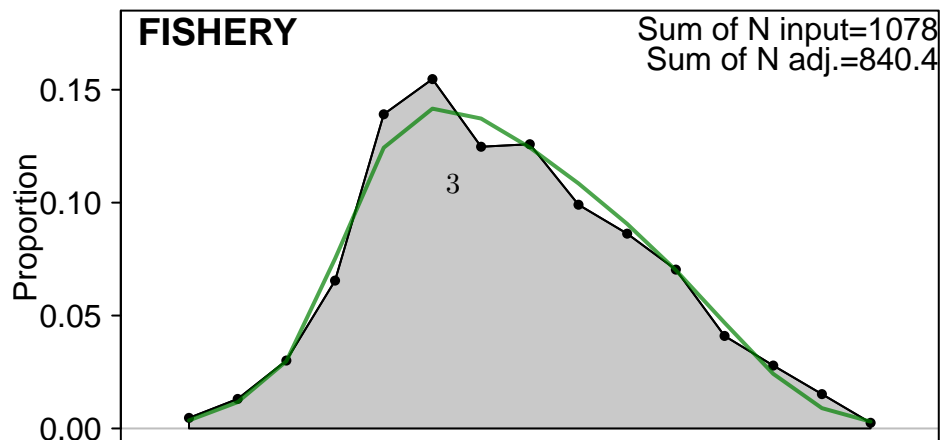
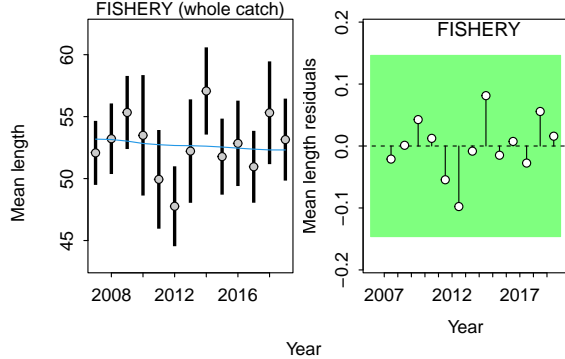
Fleet	RMSE.perc	Nobs
FISHERY	34.1	6
Combined	34.1	6

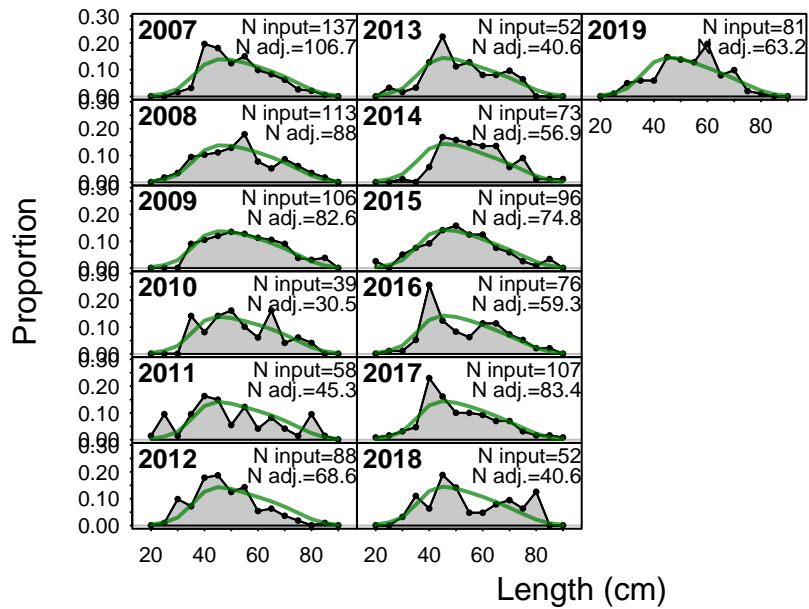


Length Comp

Fleet	RMSE.perc	Nobs
FISHERY	4.5	13
Combined	4.5	13

w lo hi Index runs.p test sigma3.lo sigma3.hi type
 0.4888632 0.2699242 1.7281245 1 FISHERY 0.623 Passed -0.1461822 0.1461822 len





Retrospective

[1] "No retrospective runs were found"

Hindcasting

[1] "No information for hindcast was found"

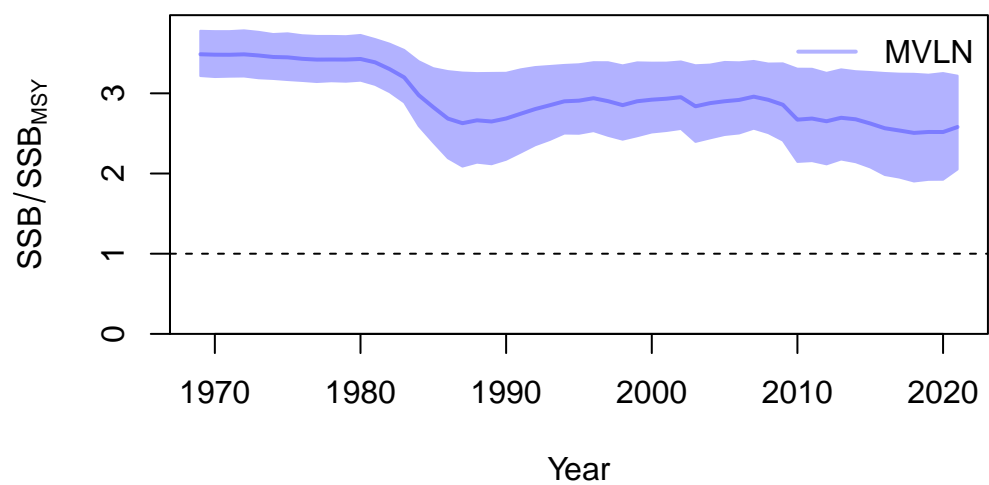
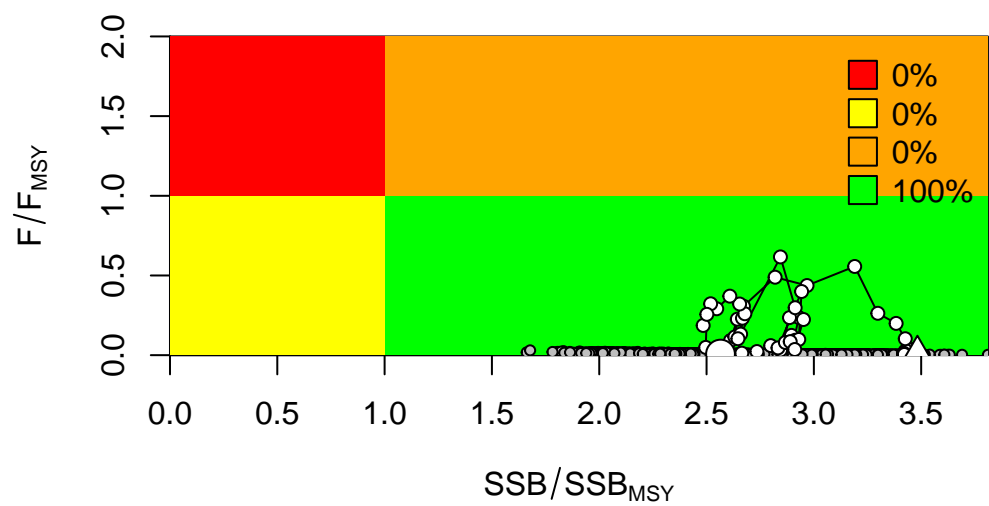
Recruitment Deviations

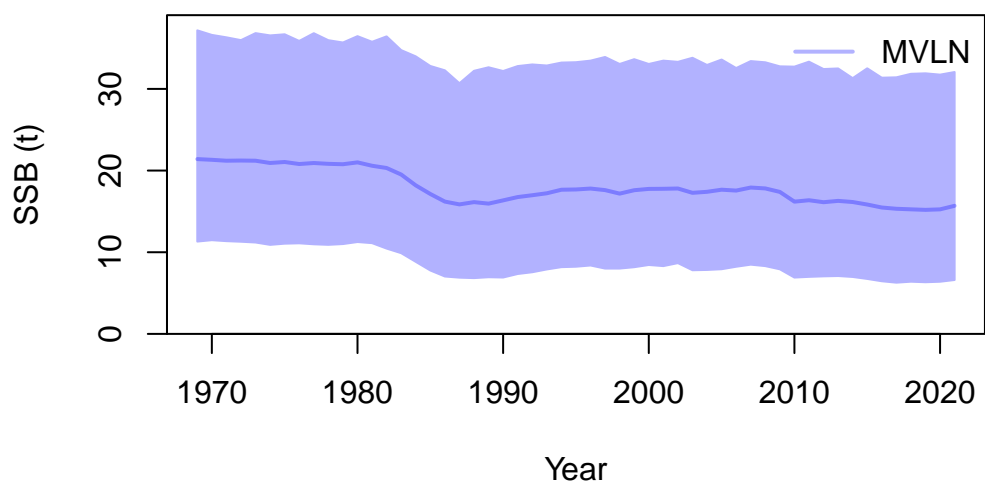
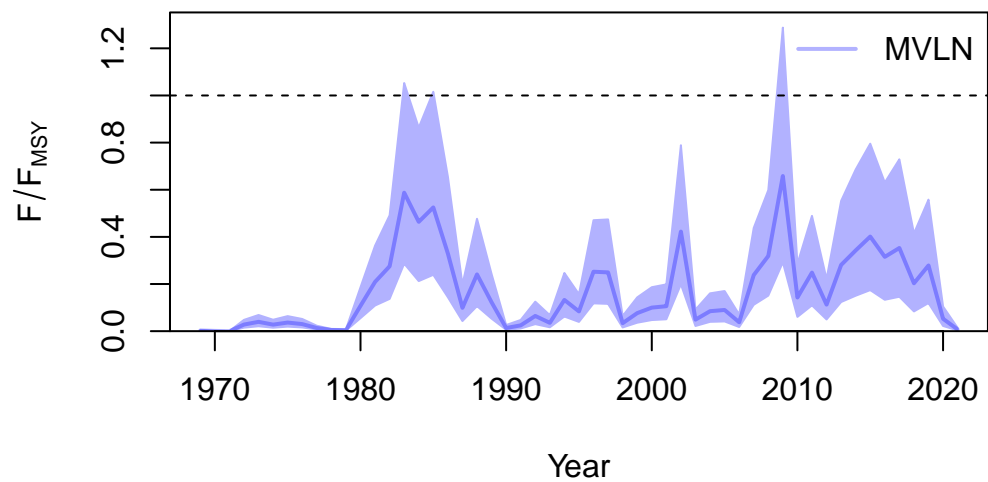
Likelihood Profile

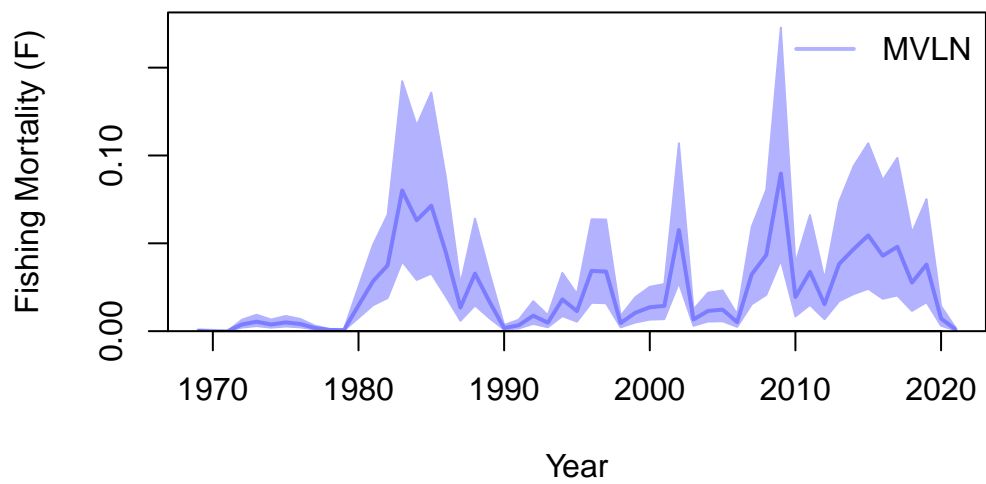
[1] "No likelihood runs were found"

Management Quantities

starter.sso with Bratio: SSB/SSB_{MSY} and $F: _abs_F$

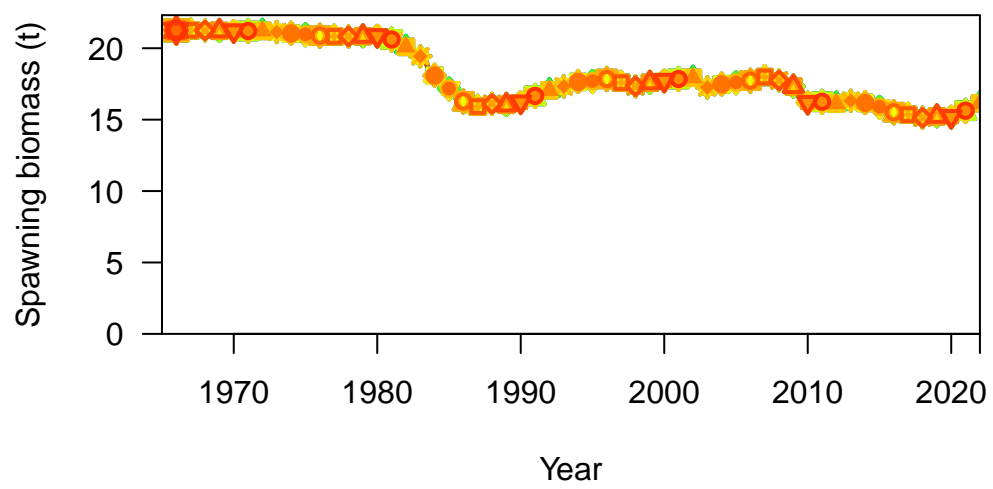
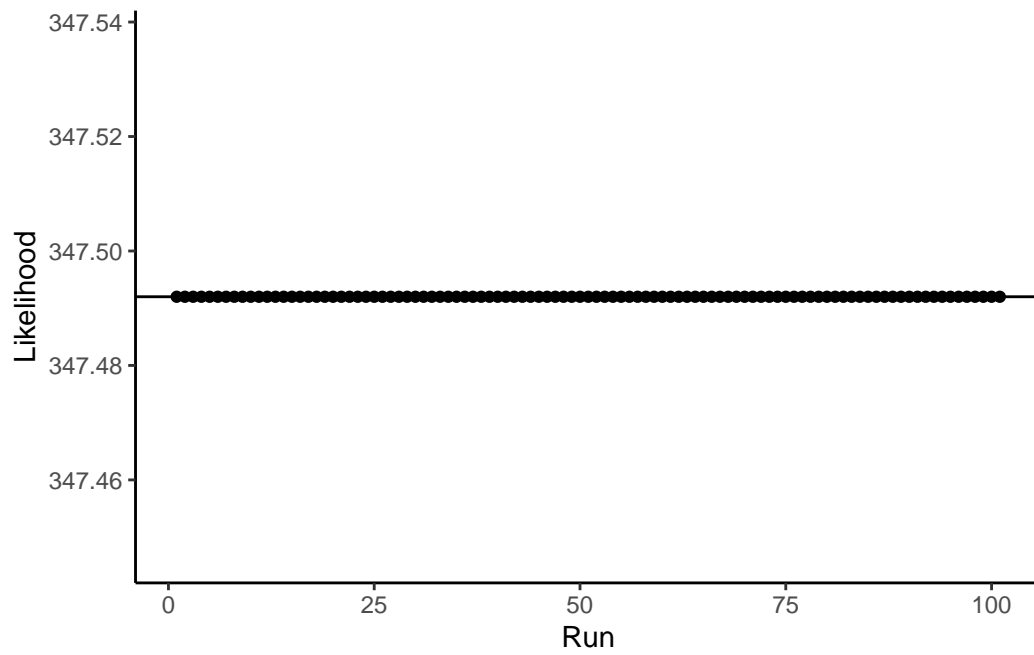


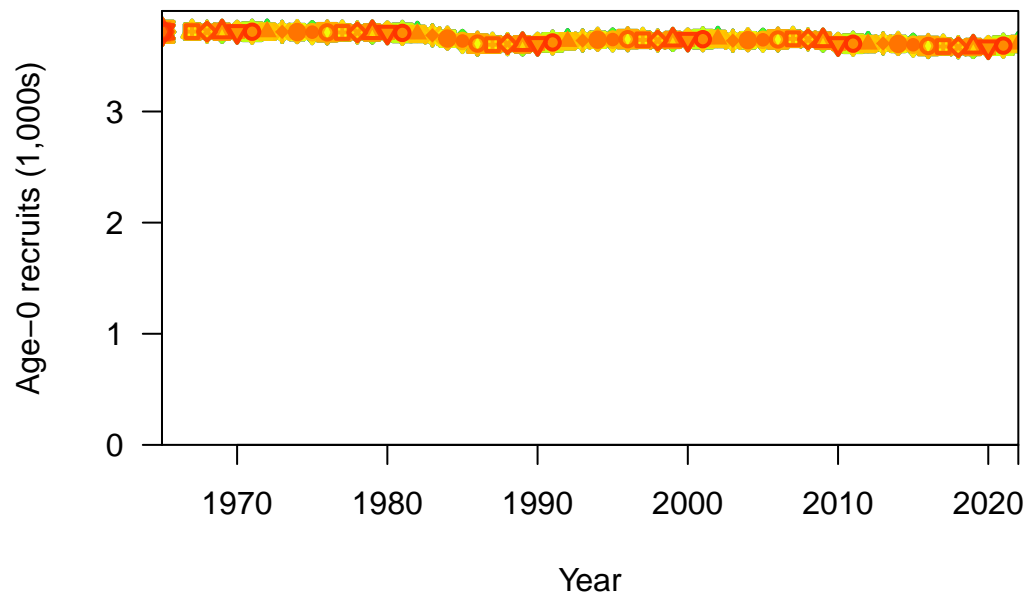
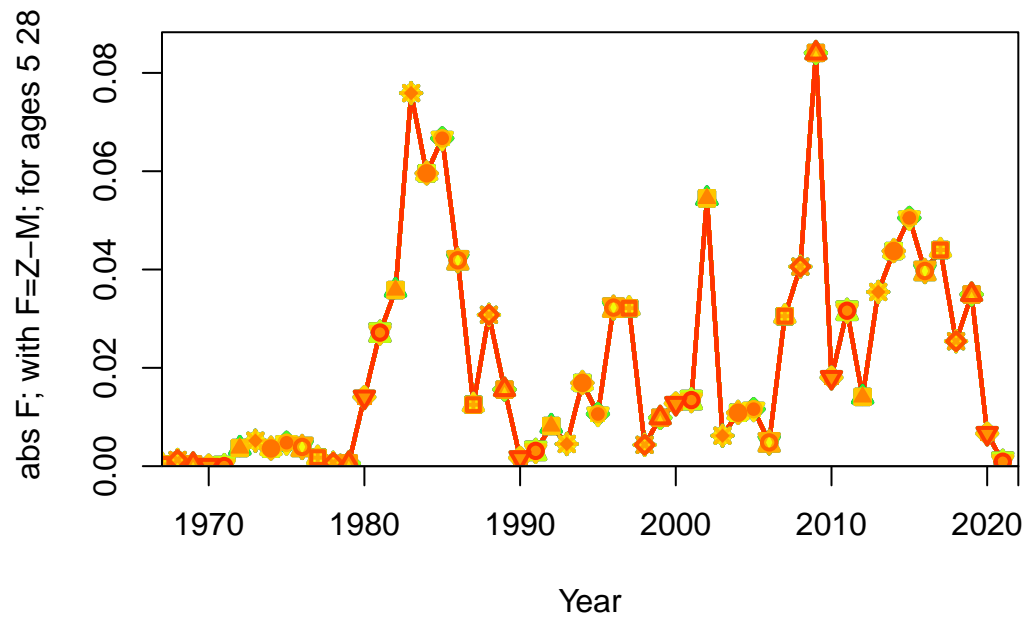




null device
1

Jitter





Selectivity and Maturity

