American Samoa Model Checks

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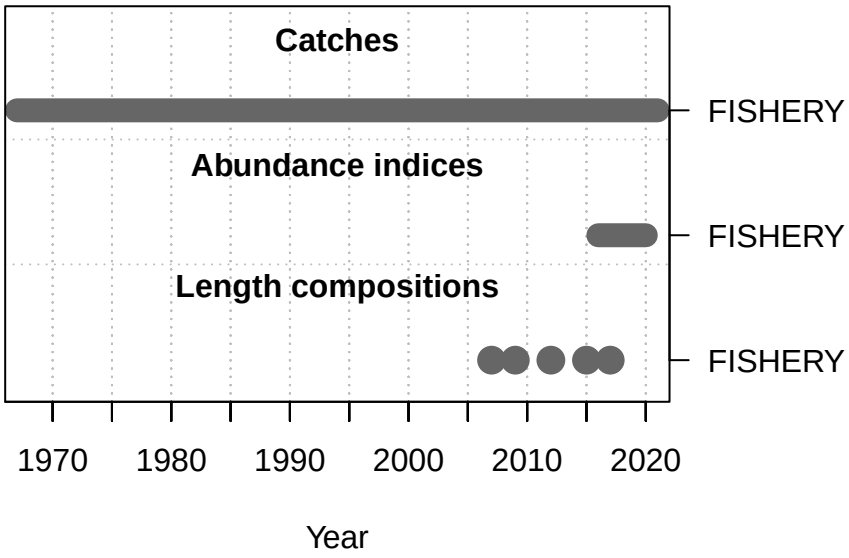
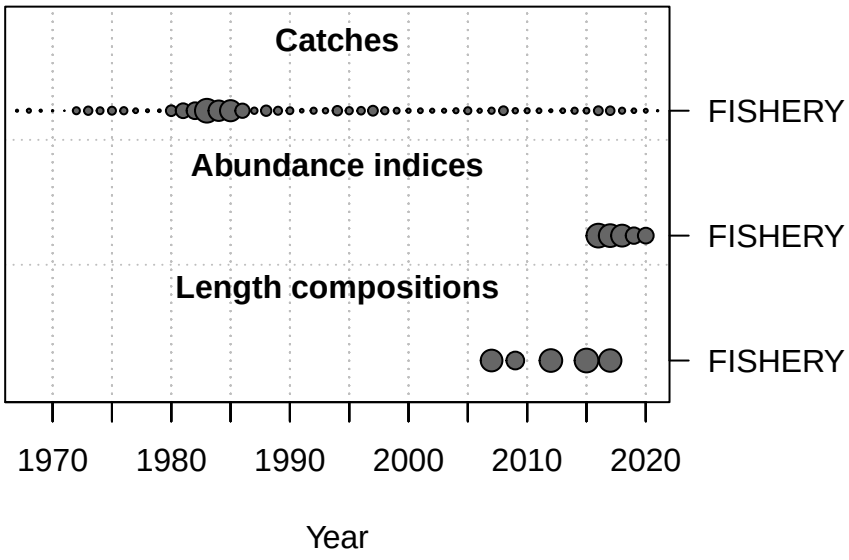
This is a summary report for the PRZO base model run.

Model Output

Input Data





Convergence Check

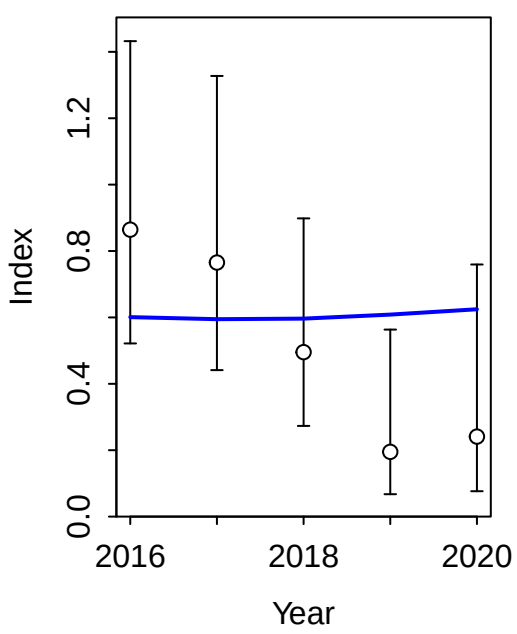
```
  Converged     MaxGrad
1      TRUE 2.95378e-05
```

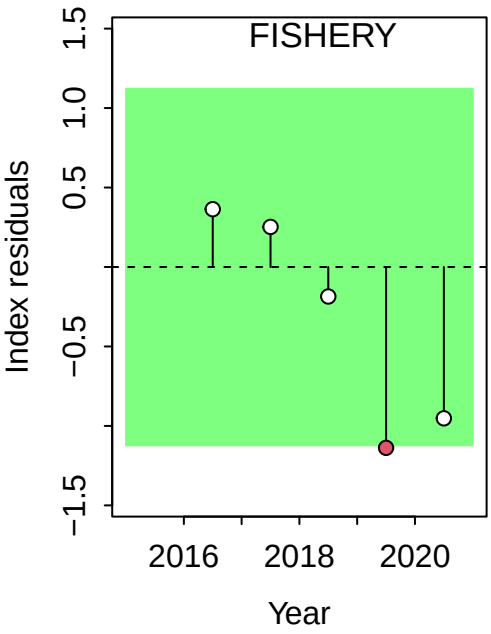
```
[1] "1 NOTE:  Max data length bin: 40  < max pop len bins: 44; so will accumulate larger pop
[2] "N warnings: 1"
```

Fit to Model

CPUE

Fleet	RMSE.perc	Nobs
FISHERY	69.7	5
Combined	69.7	5

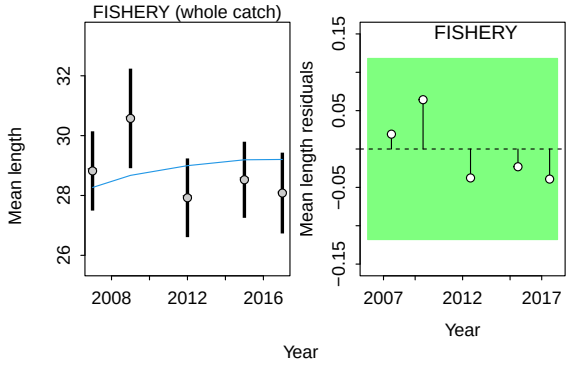


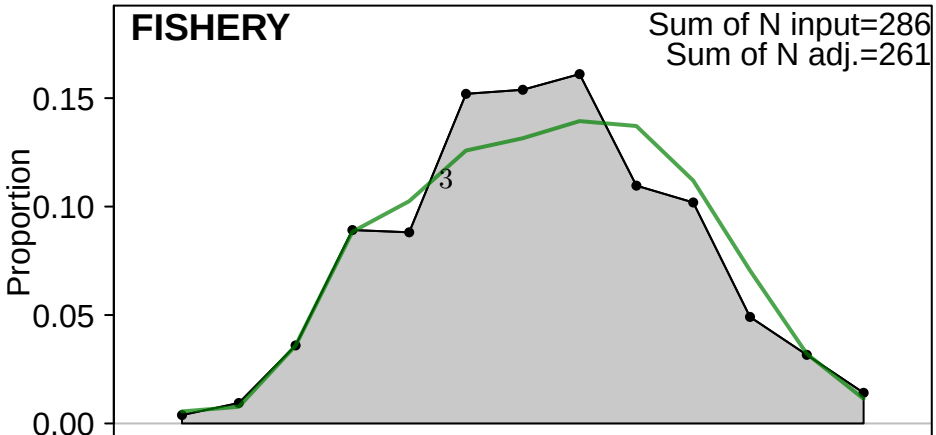


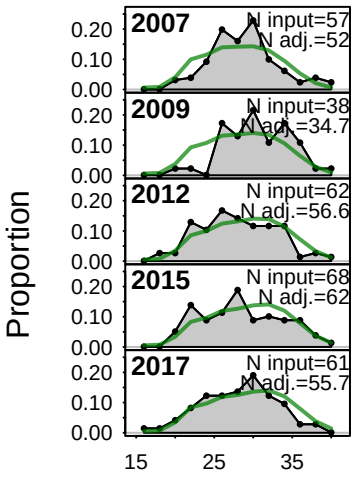
Length Comp

Fleet	RMSE.perc	Nobs
FISHERY	4	5
Combined	4	5

```
         w          lo          hi          Index runs.p   test  sigma3.lo sigma3.hi type
0.3287633   0.2335081 13.6329867      1 FISHERY  0.063 Passed -0.1180435 0.1180435  len
```







Retrospective

```
[1] "No retrospective runs were found"
```

Hindcasting

```
[1] "No information for hindcast was found"
```

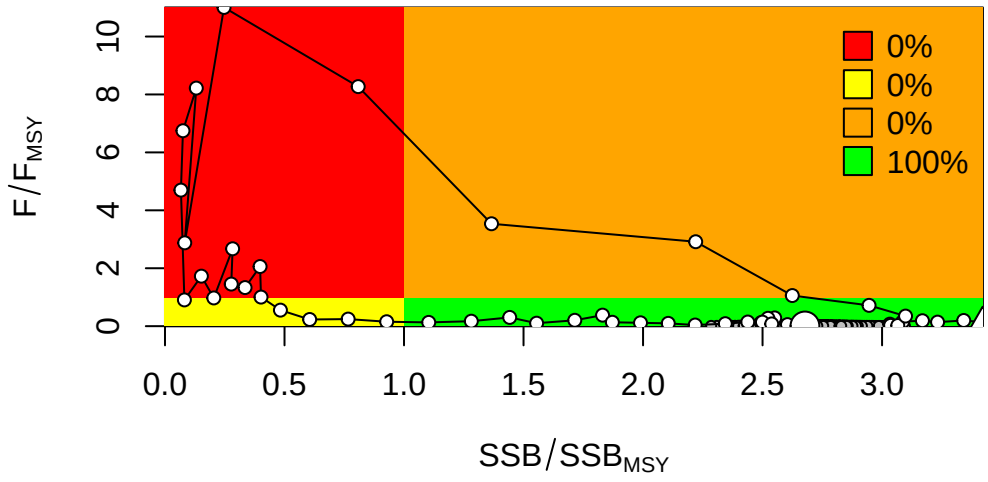
Recruitment Deviations

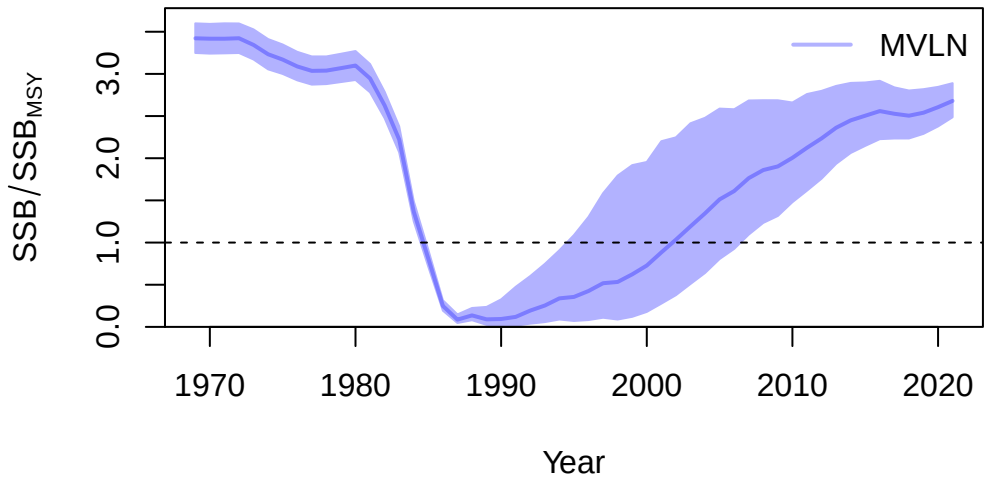
Likelihood Profile

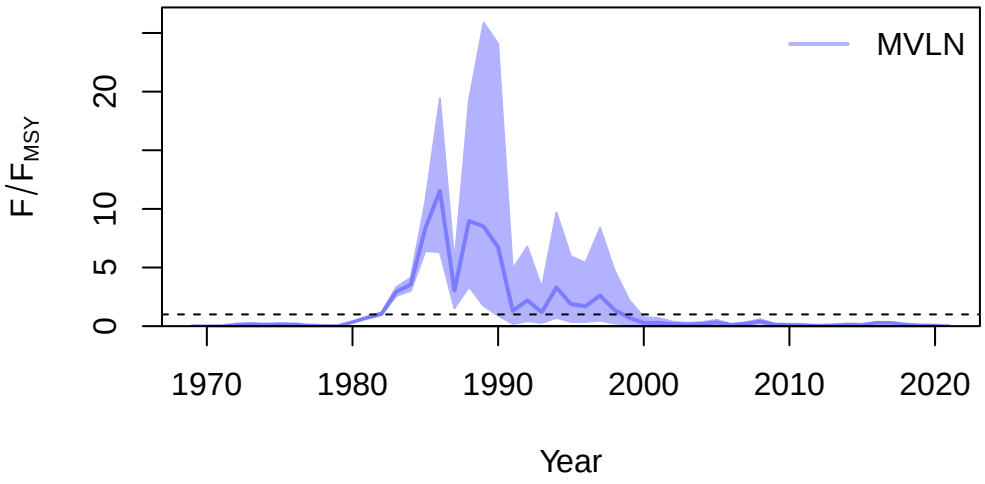
```
[1] "No likelihood runs were found"
```

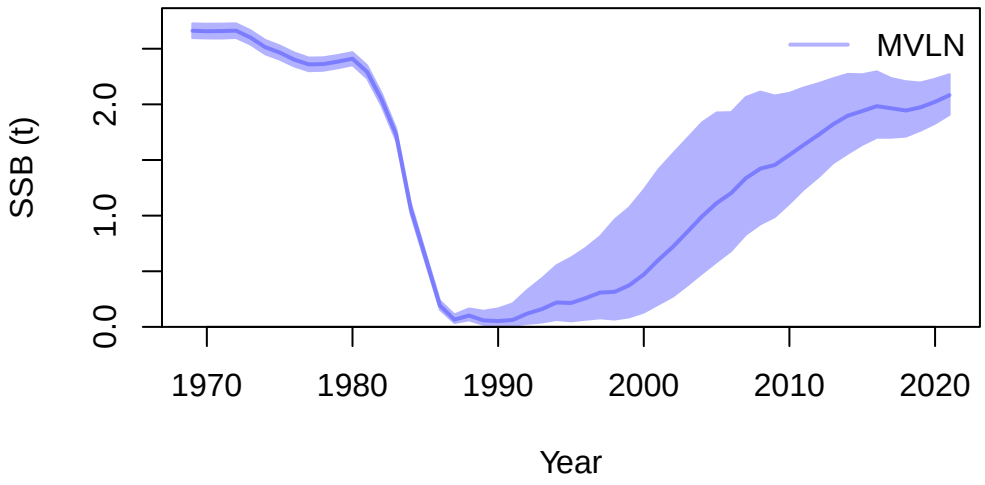
Management Quantities

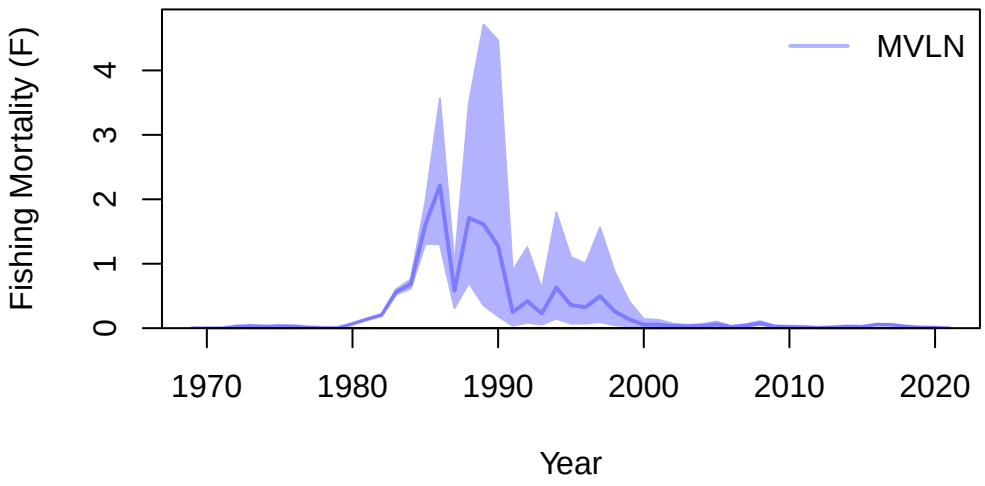
```
 starter.sso with Bratio: SSB/SSBMSY and F: _abs_F
```


0%
0%
0%
100%
F/F_MSY
SSB/SSB_MSY
0
2
4
6
8
10
0.0
0.5
1.0
1.5
2.0
2.5
3.0


MVLN
SSB/SSB_MSY
Year
0.0
1.0
2.0
3.0
1970
1980
1990
2000
2010
2020

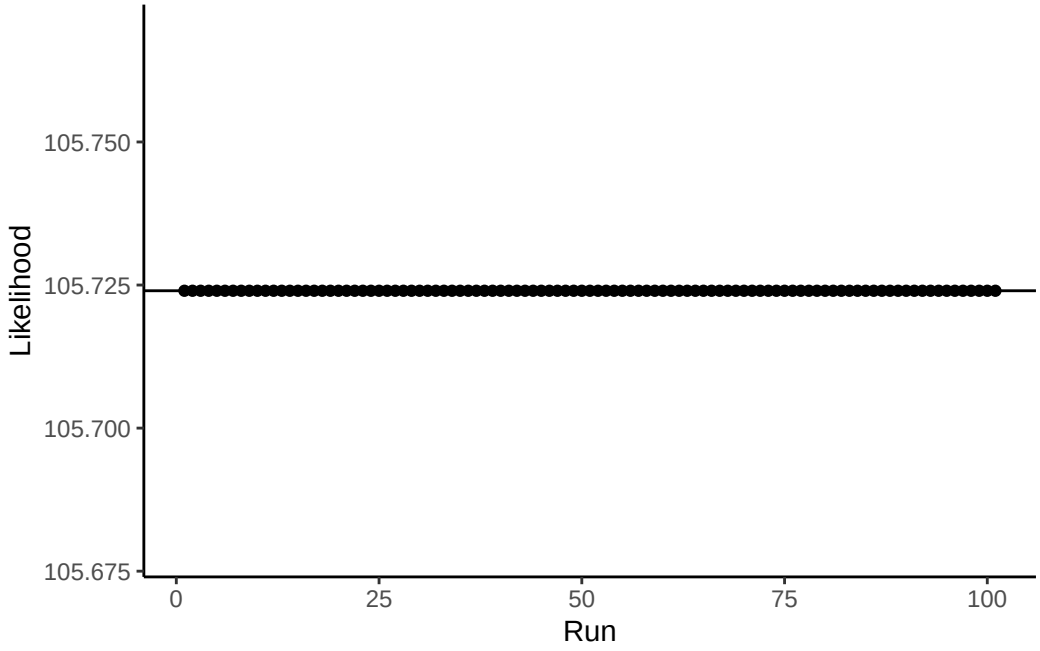

MVLN
F/F_MSY
0
5
10
20
1970
1980
1990
2000
2010
2020
Year

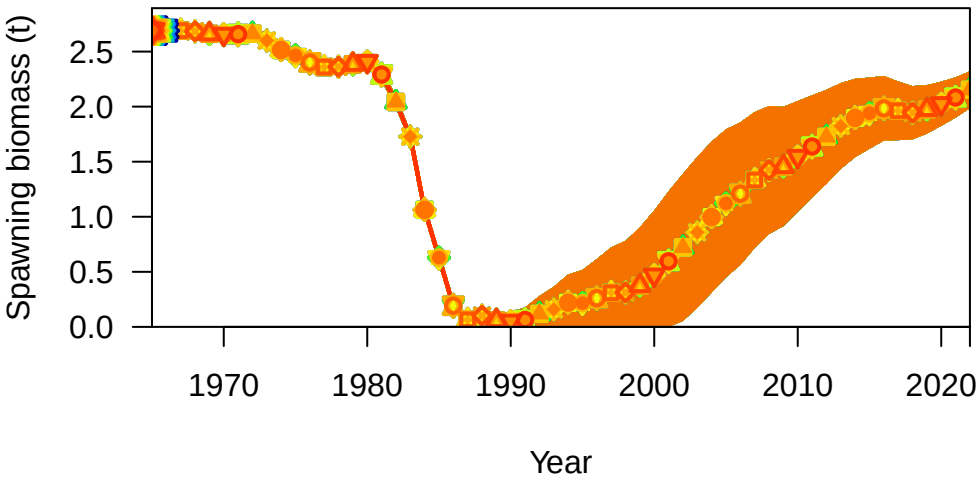

MVLN
SSB (t)
0.0
1.0
2.0
1970
1980
1990
2000
2010
2020
Year

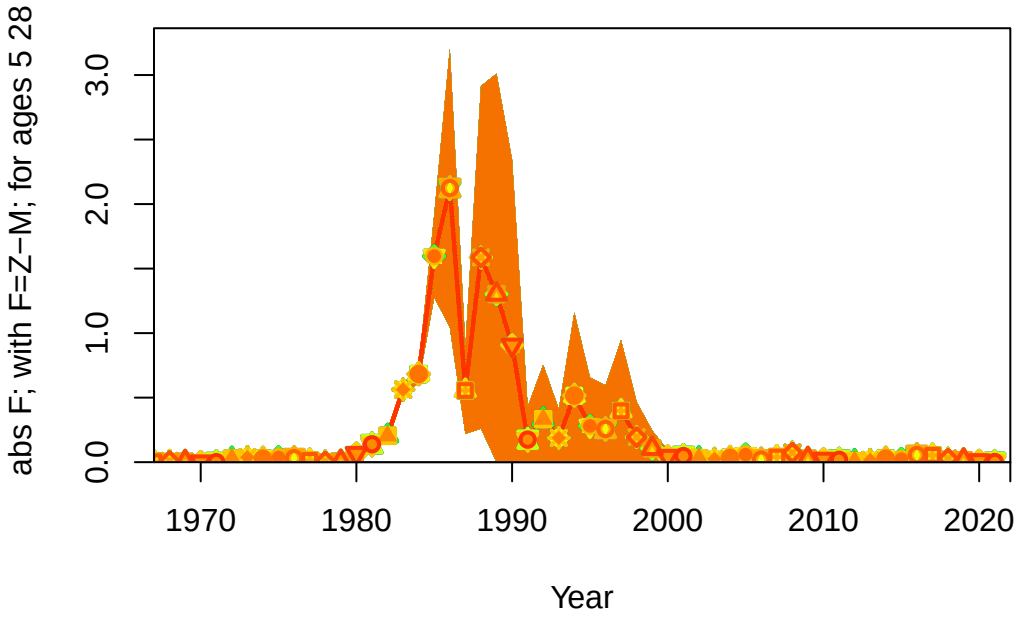


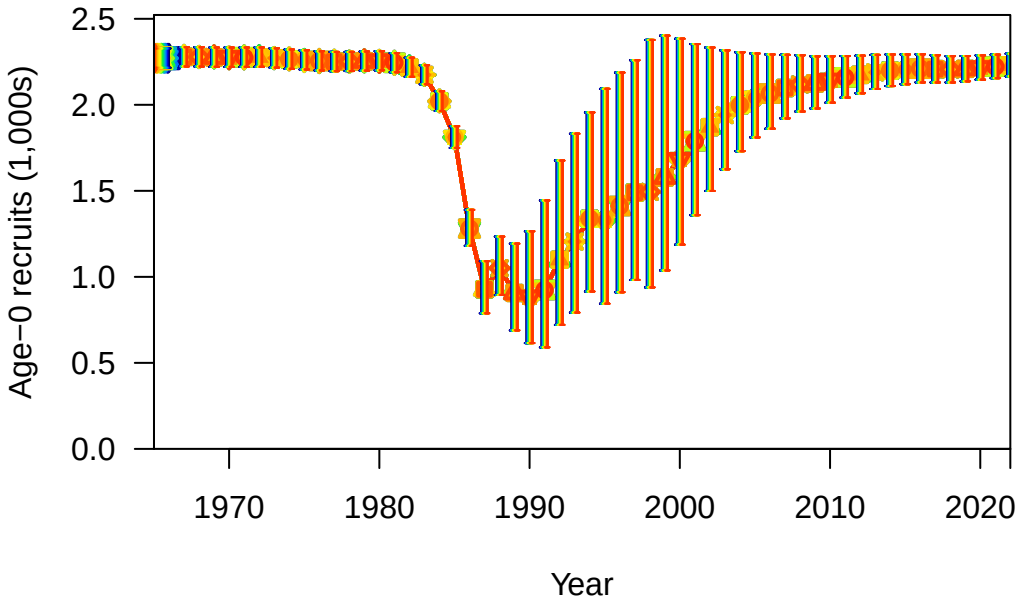

```
null device
          1
```

Jitter

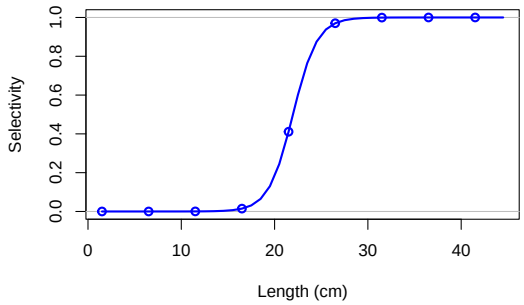

Likelihood
105.750
105.725
105.700
105.675
0
25
50
75
100
Run

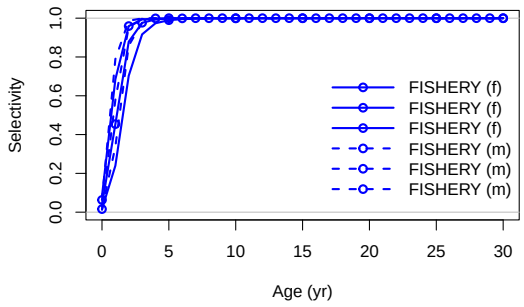

Spawning biomass (t)
2.5
2.0
1.5
1.0
0.5
0.0
1970
1980
1990
2000
2010
2020
Year

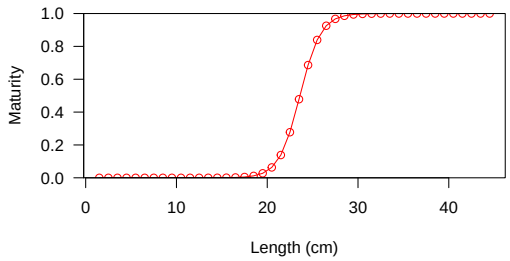


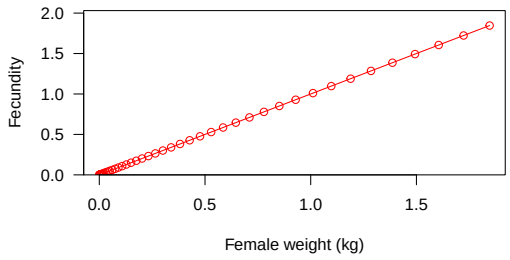


Selectivity and Maturity


Selectivity
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Length (cm)


Selectivity
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
30
Age (yr)
FISHERY (f)
FISHERY (f)
FISHERY (f)
FISHERY (m)
FISHERY (m)
FISHERY (m)


Maturity
0.0
0.2
0.4
0.6
0.8
1.0
0
10
20
30
40
Length (cm)


Fecundity
0.0
0.5
1.0
1.5
2.0
0.0
0.5
1.0
1.5
Female weight (kg)