

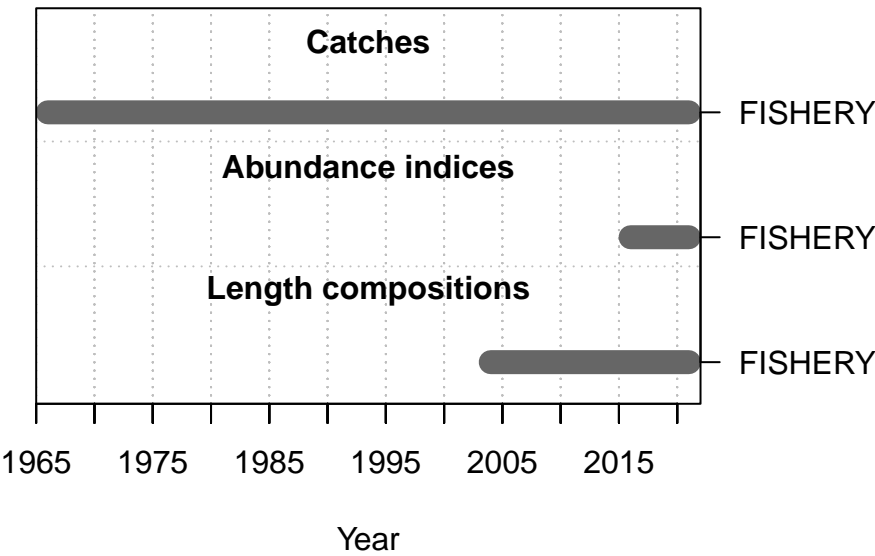
# American Samoa Model Checks

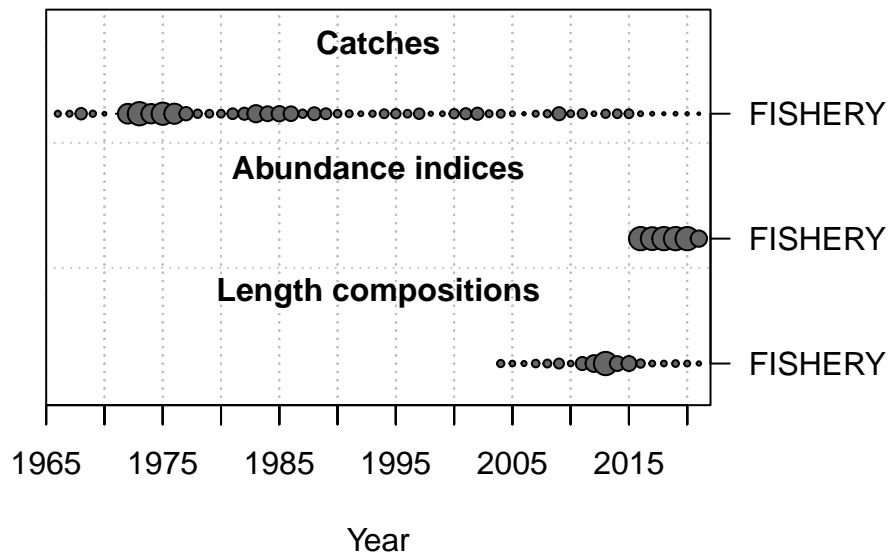
2022-12-08

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

## Model Output

### Input Data





### Convergence Check

```

Converged      MaxGrad
1      TRUE 6.38169e-05

```

```

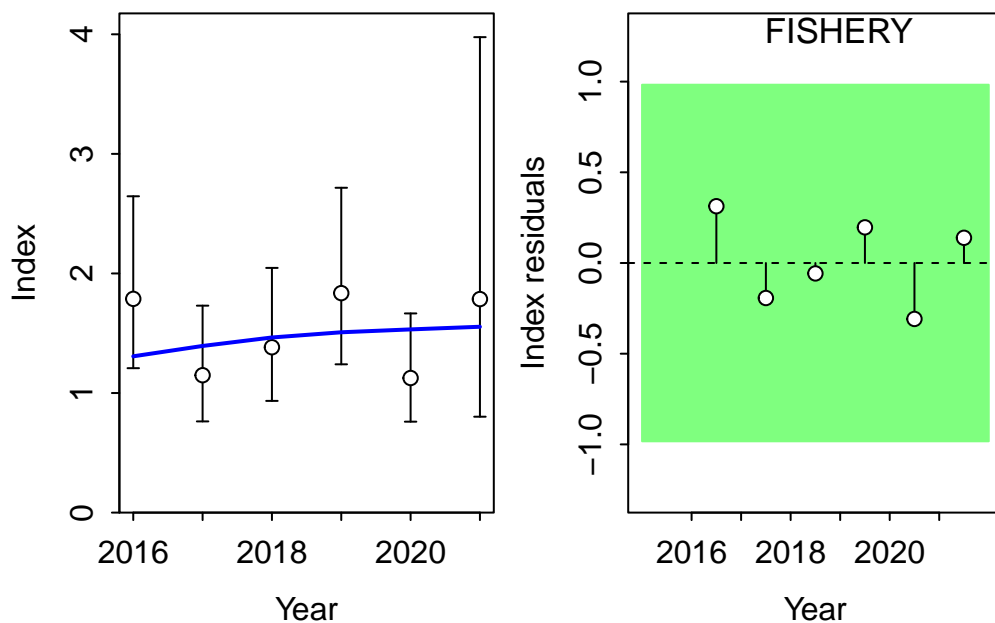
[1] "1 NOTE: Max data length bin: 28 < max pop len bins: 31; so will accumulate larger pop
[2] "2 Forecast F capped by max possible F from control file: 2.9"
[3] "3 Forecast F capped by max possible F from control file: 2.9"
[4] "N warnings: 3"

```

### Fit to Model

#### CPUE

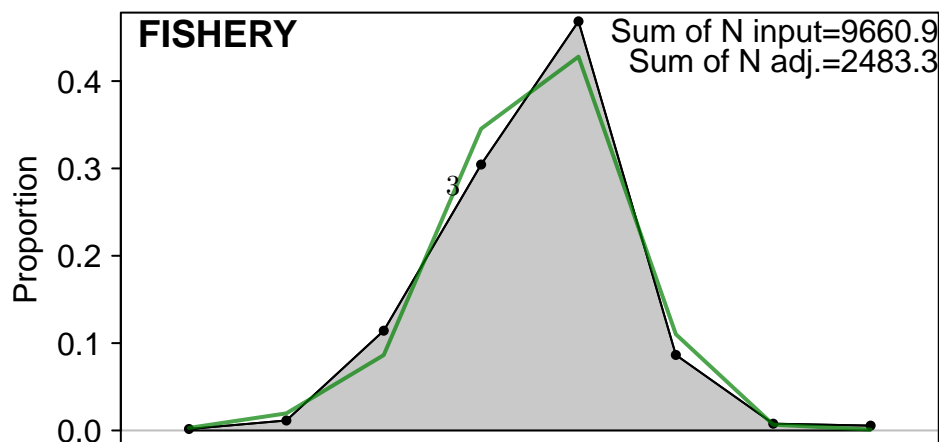
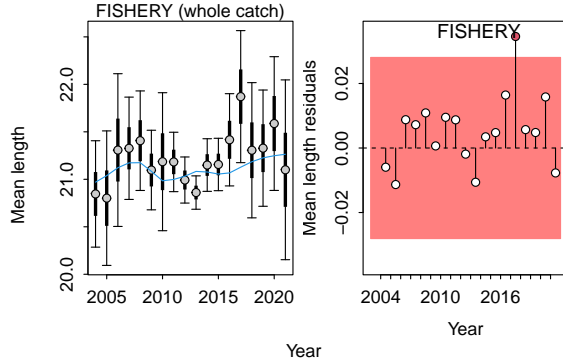
Fleet	RMSE.perc	Nobs
FISHERY	22	6
Combined	22	6

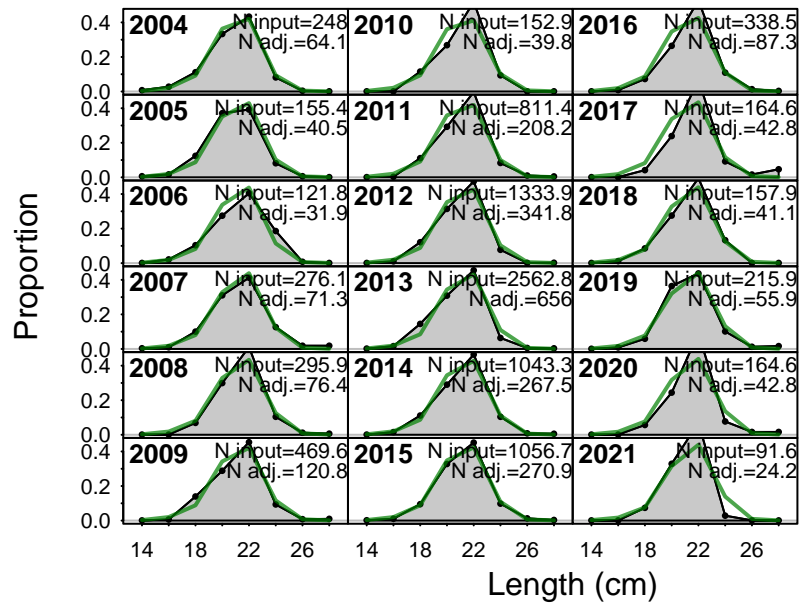


### Length Comp

Fleet	RMSE.perc	Nobs
FISHERY	1.2	18
Combined	1.2	18

w                      lo                      hi                      Index runs.p    test    sigma3.lo    sigma3.hi    type  
 0.16972993 0.08699063 0.65433713                      1 FISHERY    0.024 Failed -0.02807047 0.02807047    len





## Retrospective

[1] "No retrospective runs were found"

## Hindcasting

[1] "No information for hindcast was found"

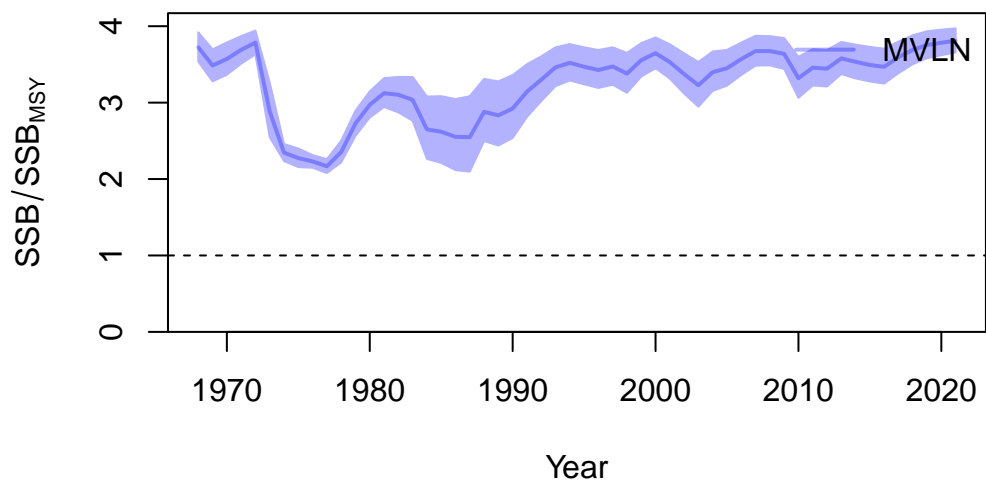
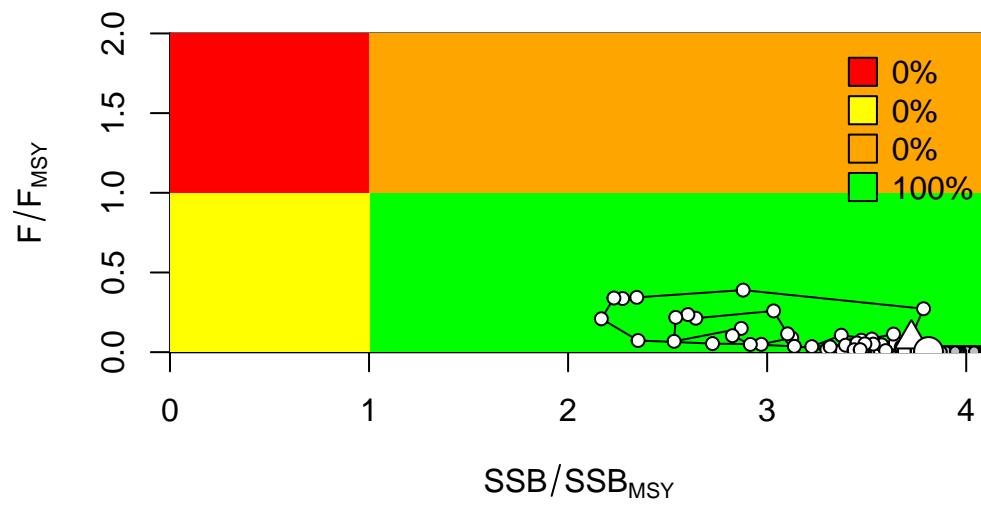
## Recruitment Deviations

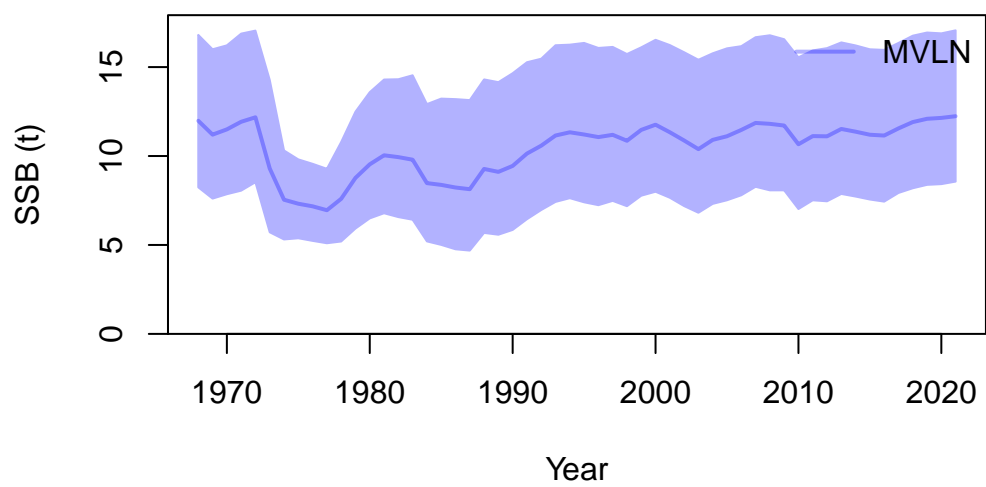
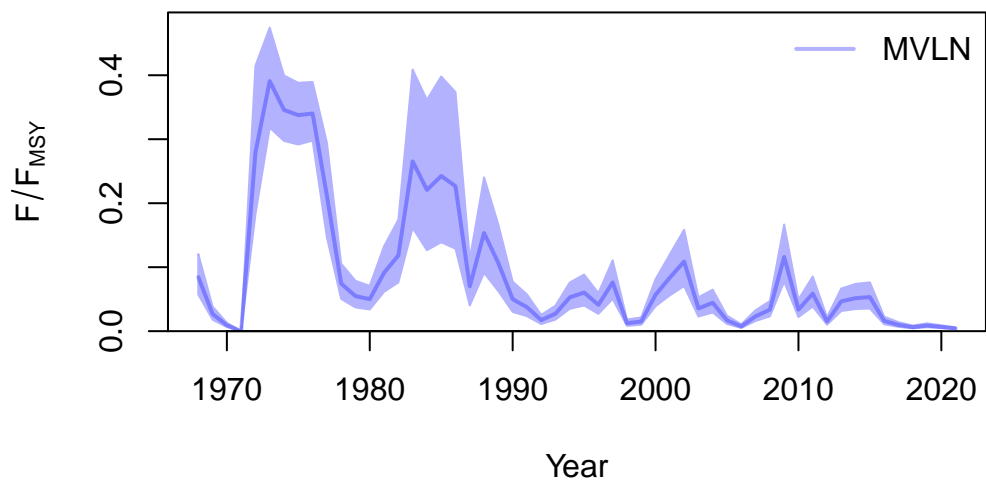
## Likelihood Profile

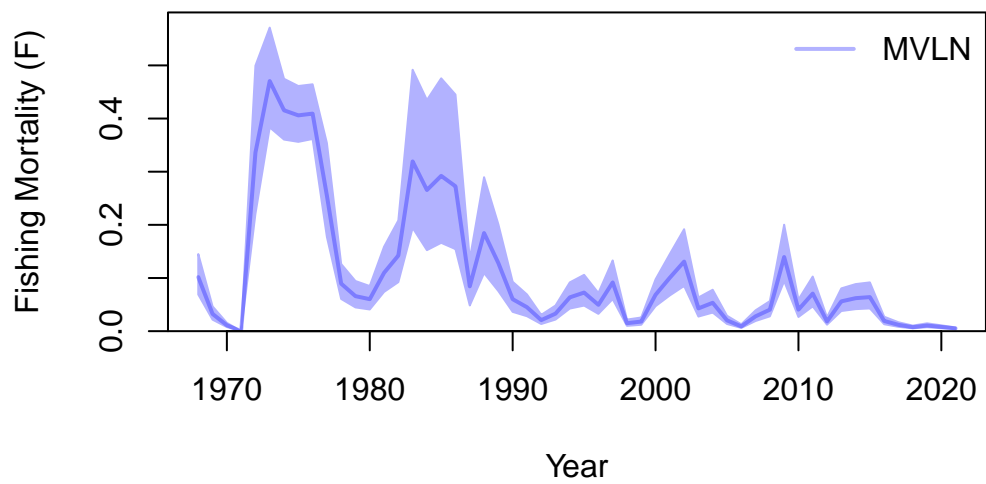
[1] "No likelihood runs were found"

## Management Quantities

starter.sso with Bratio:  $SSB/SSB_{MSY}$  and  $F: \_abs\_F$

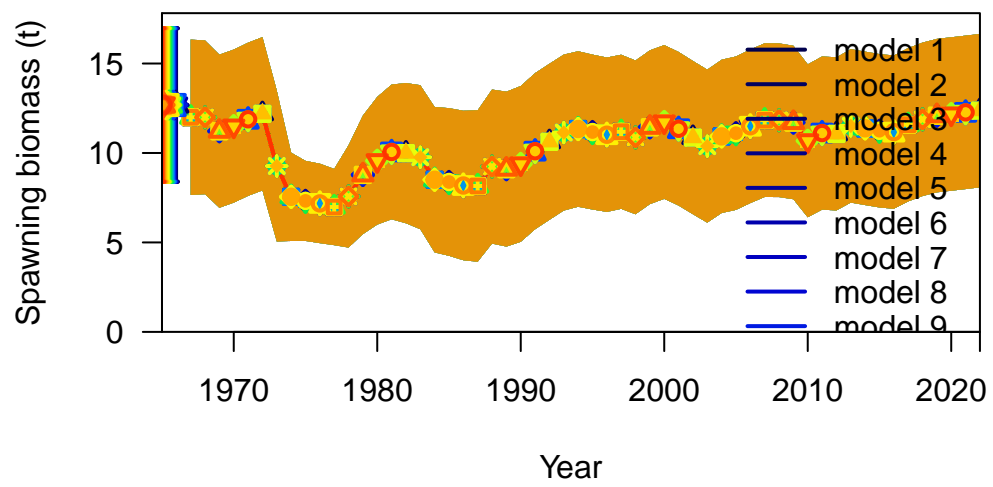
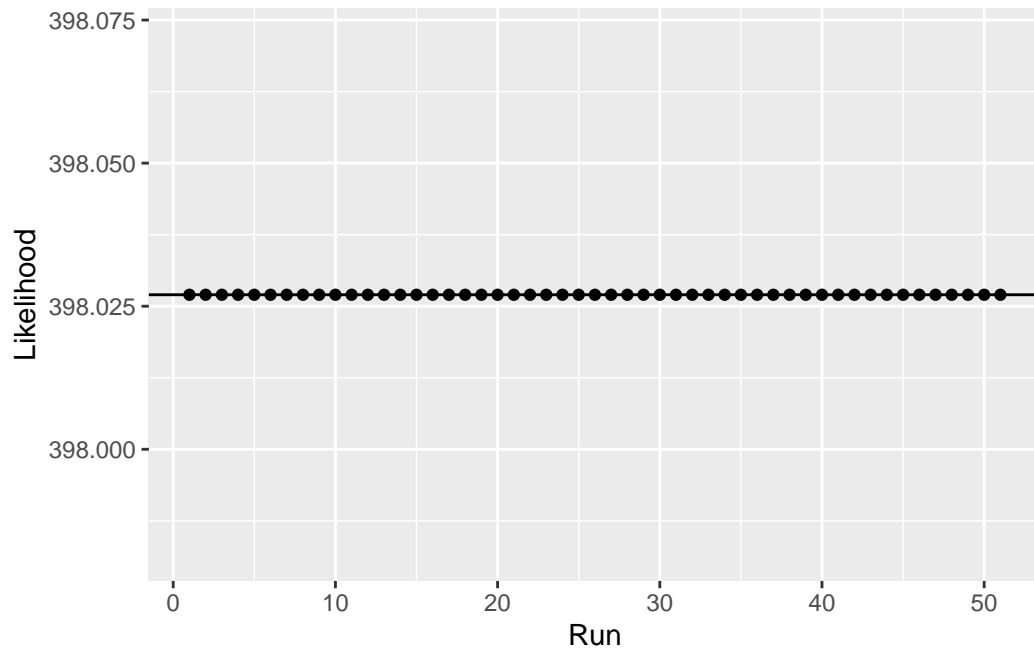




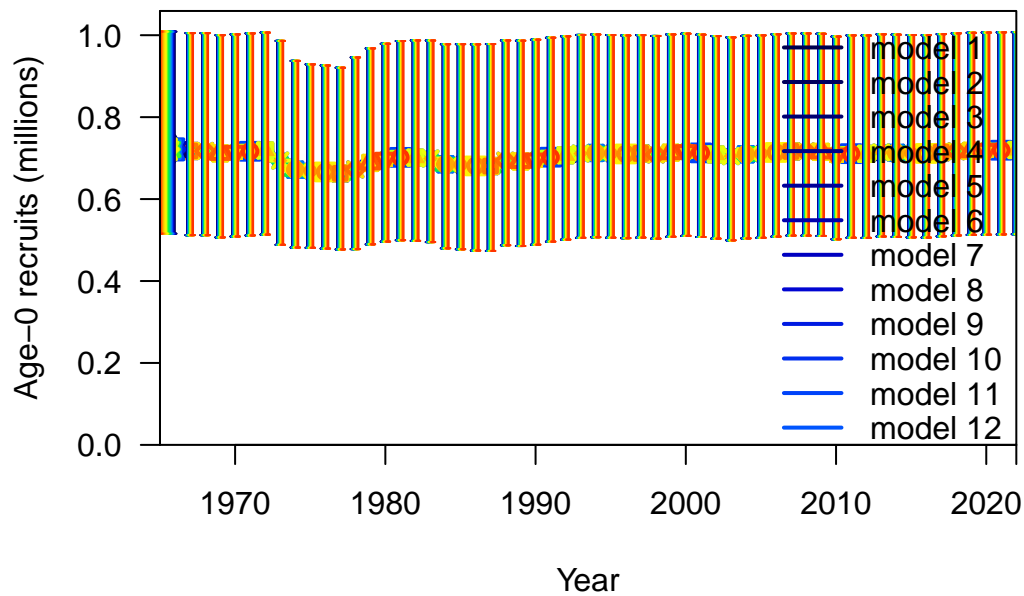
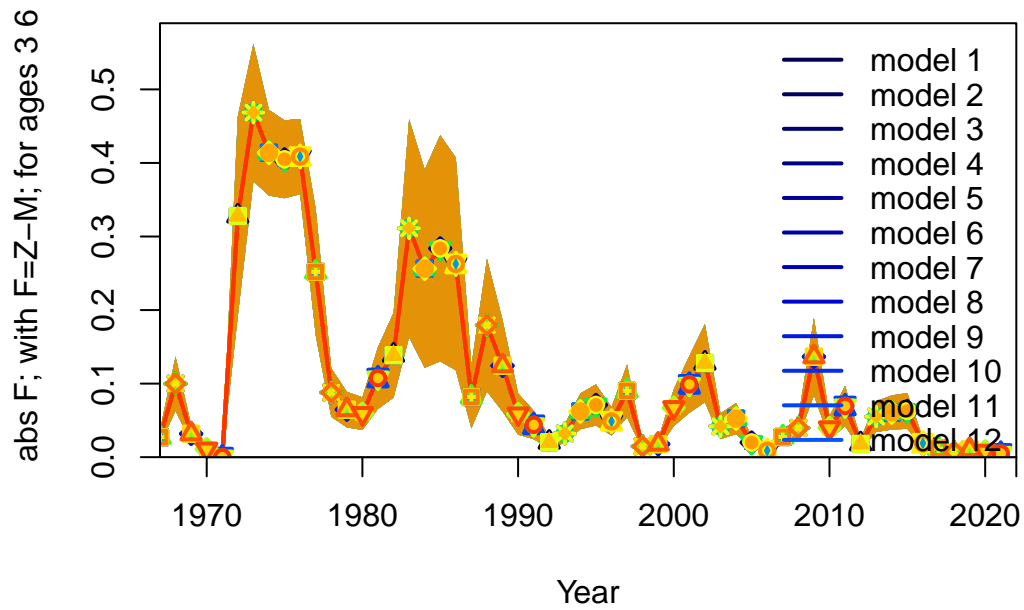


null device  
1

**Jitter**







## Selectivity and Maturity

