

Plots created using the 'r4ss' package in R

Stock Synthesis version: 3.30.19.0

StartTime: Fri Oct 07 10:50:27 2022

Data_File: data.ss

Control_File: control.ss

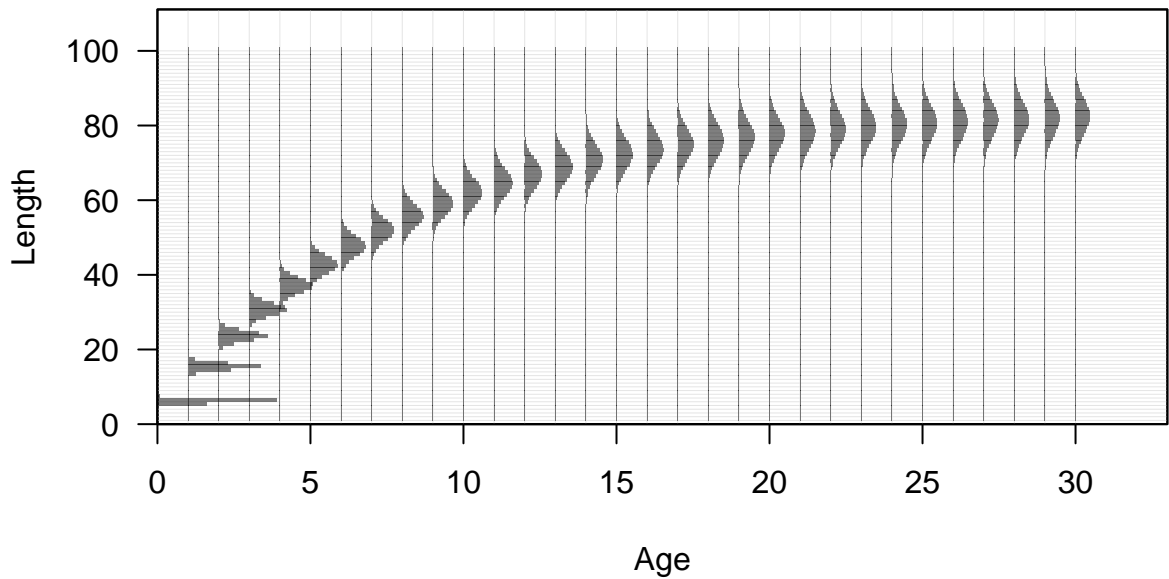
Length (cm, beginning of the year)

























Fecundity



Fecundity

20

15

10

5

0

0

20

40

60

80

100

Female length (cm)



Spawning output

20
15
10
5
0

0

20

40

60

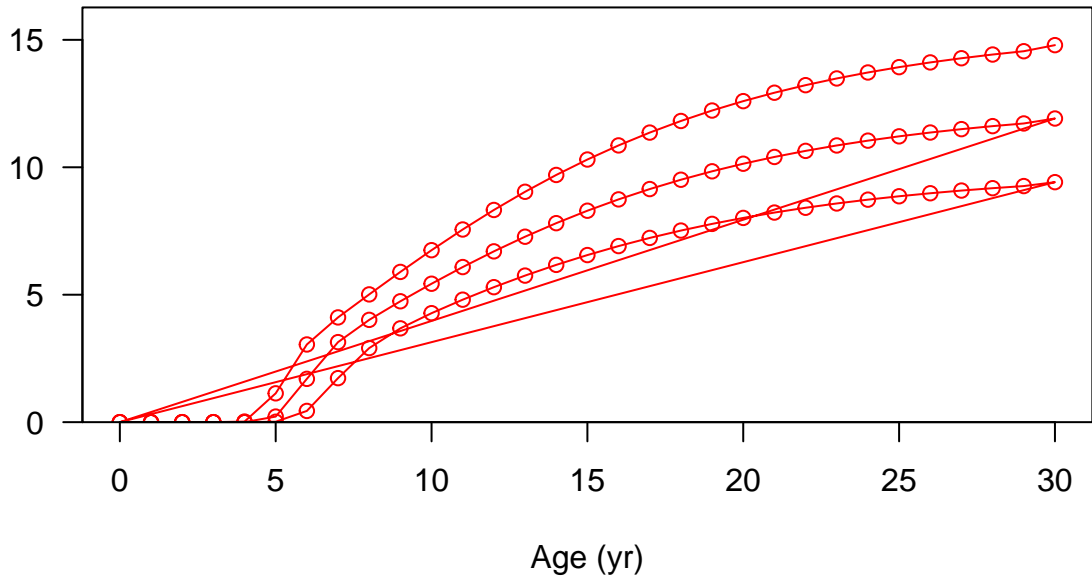
80

100

Length (cm)



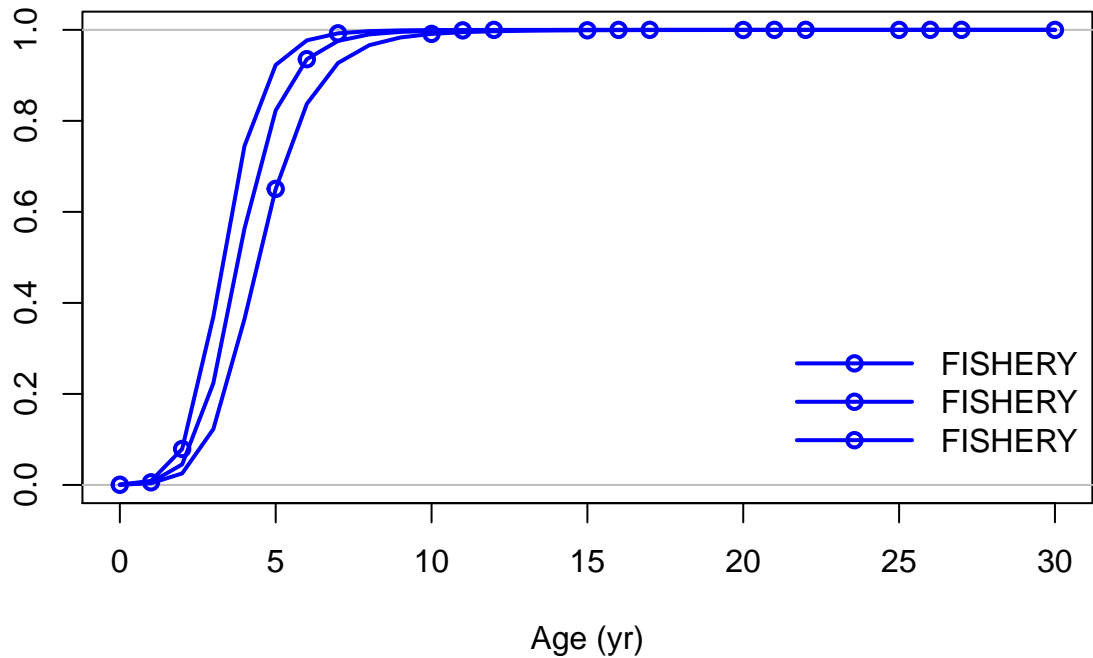
Spawning output



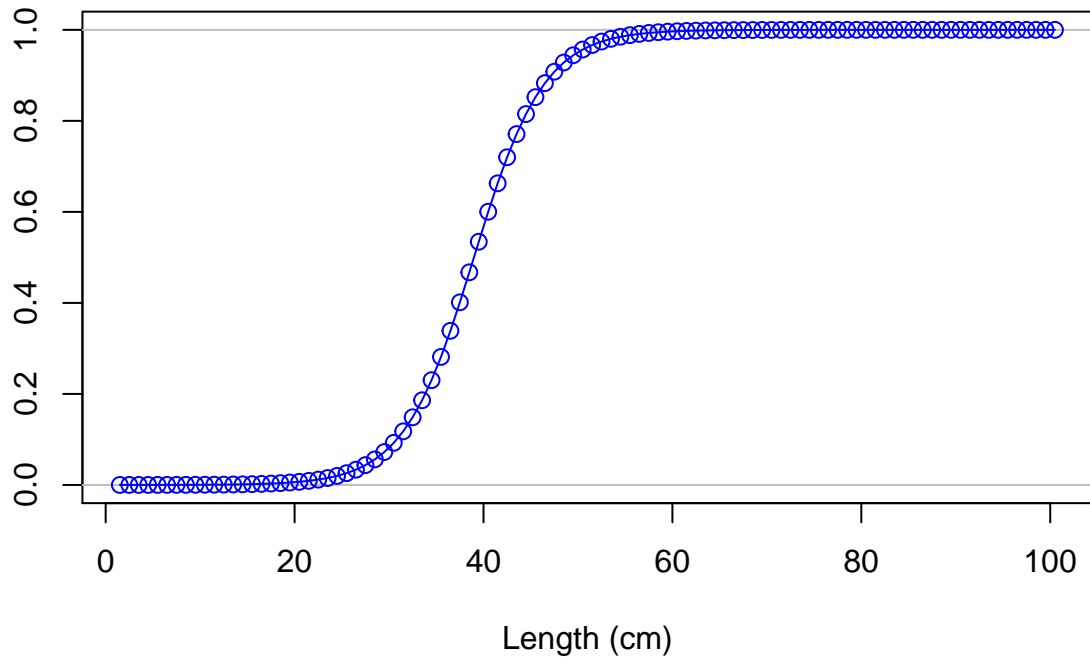
Selectivity

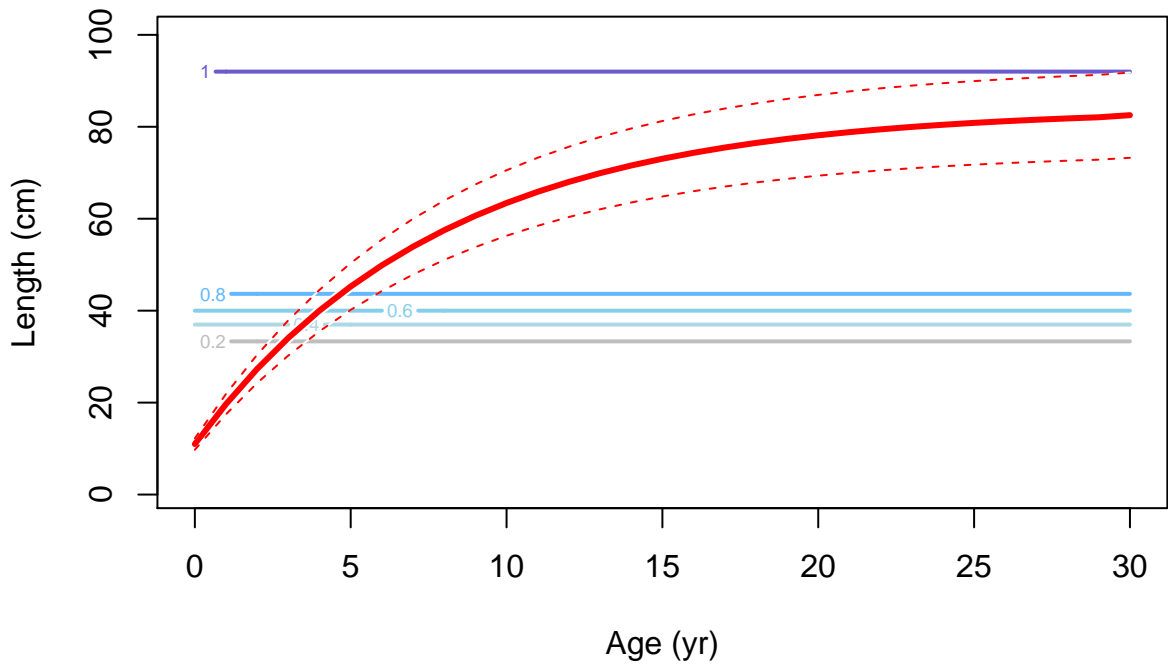


Selectivity



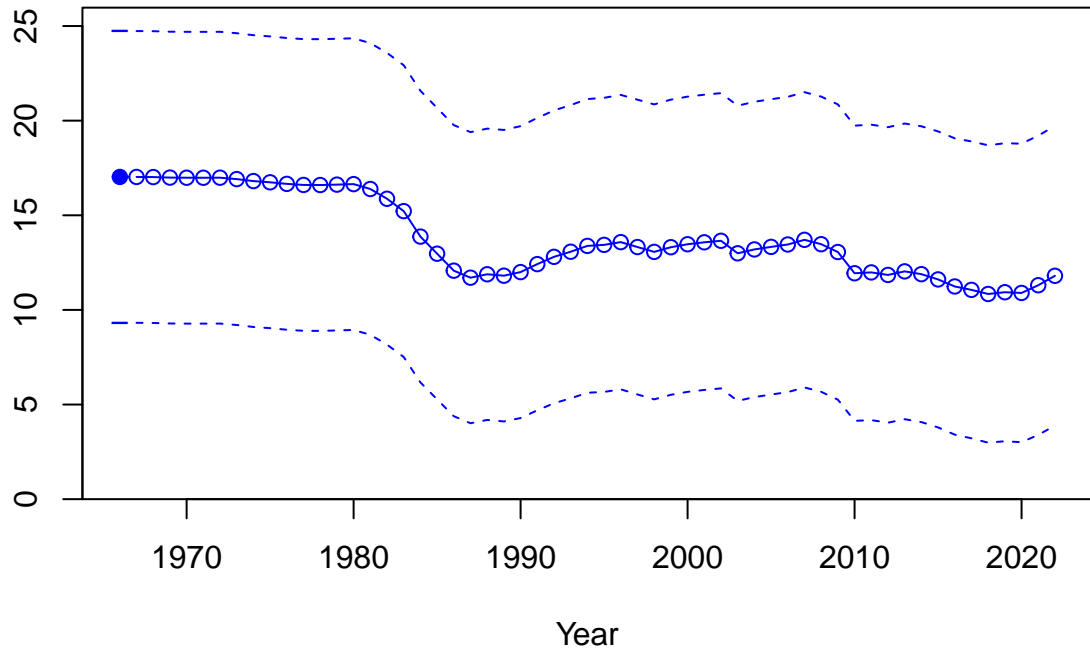
Selectivity







Spawning biomass (mt)



Relative spawning biomass: B/B_{MSY}

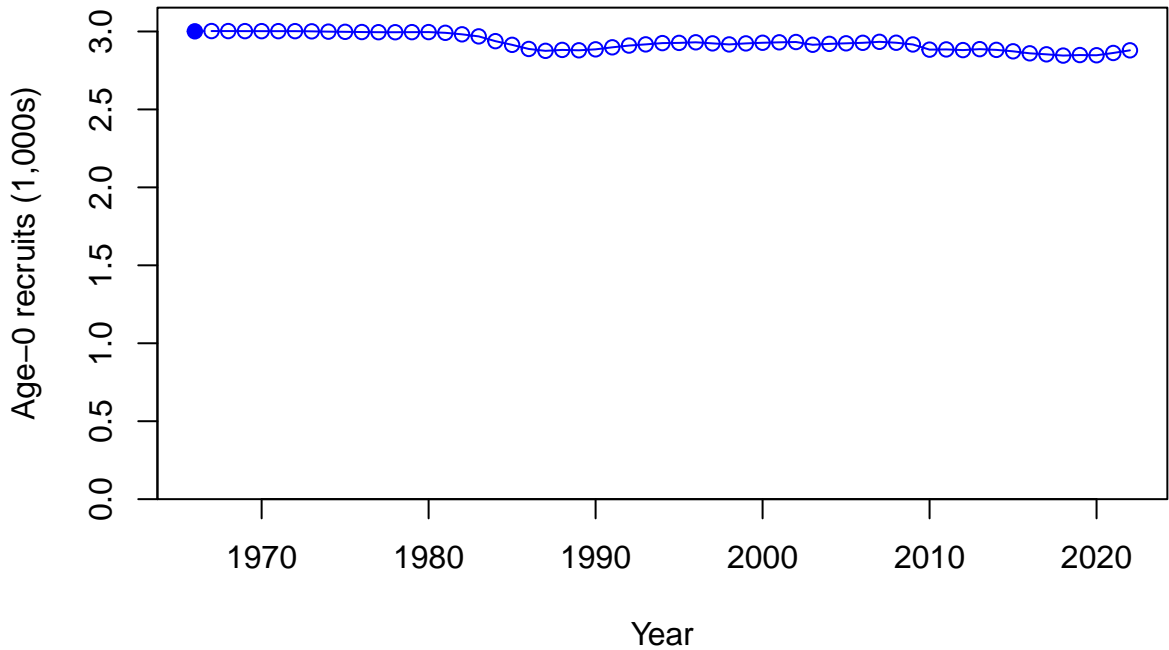


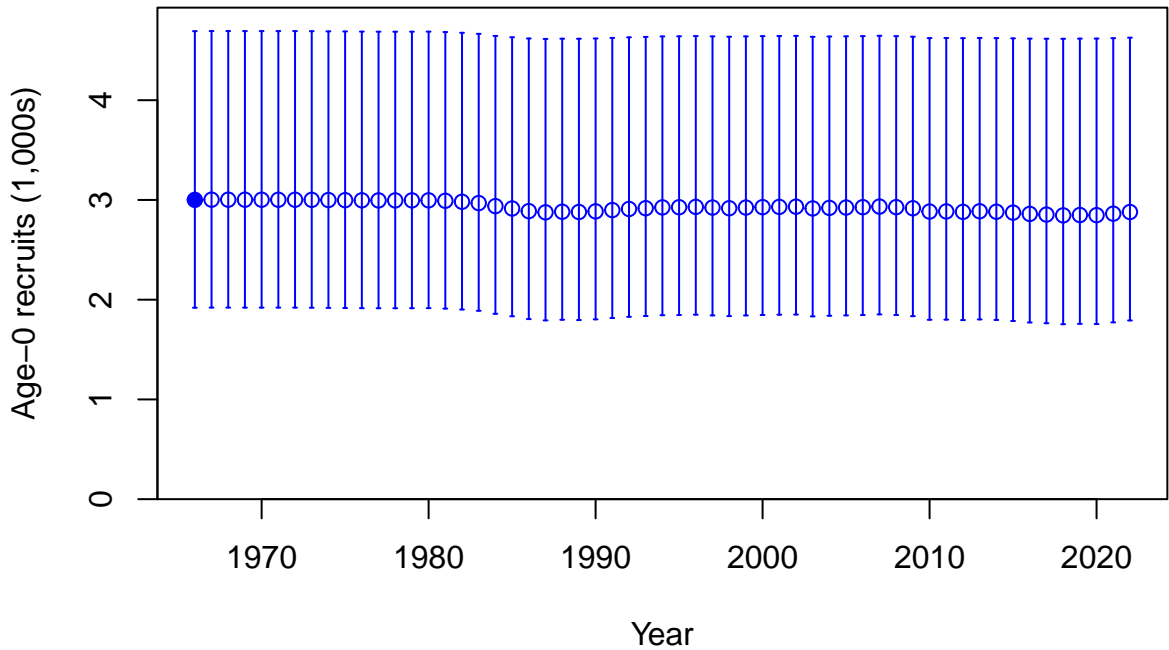
Relative spawning biomass: B/B_{MSY}







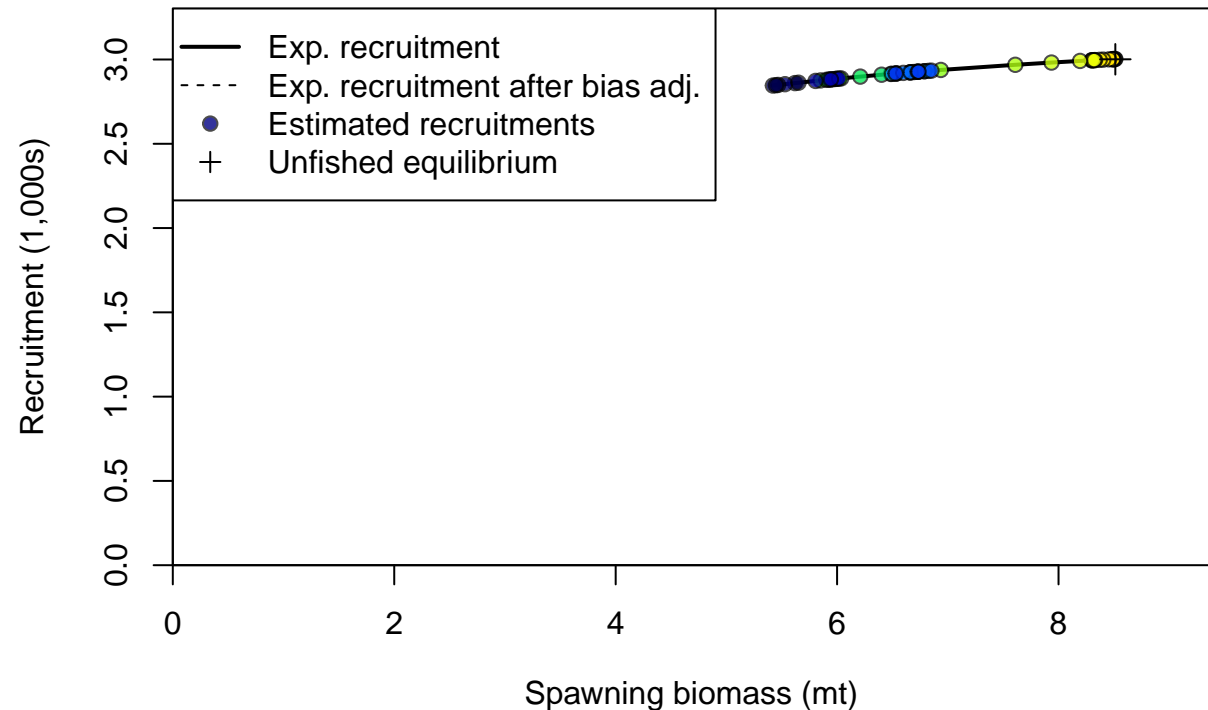


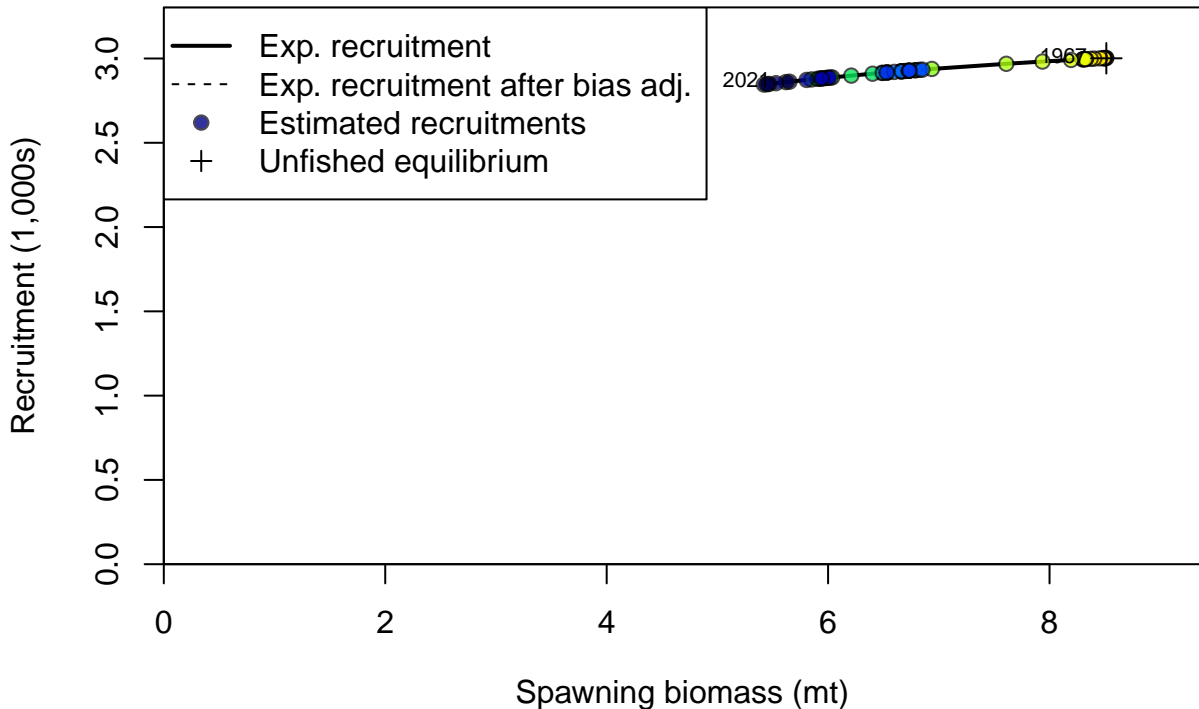


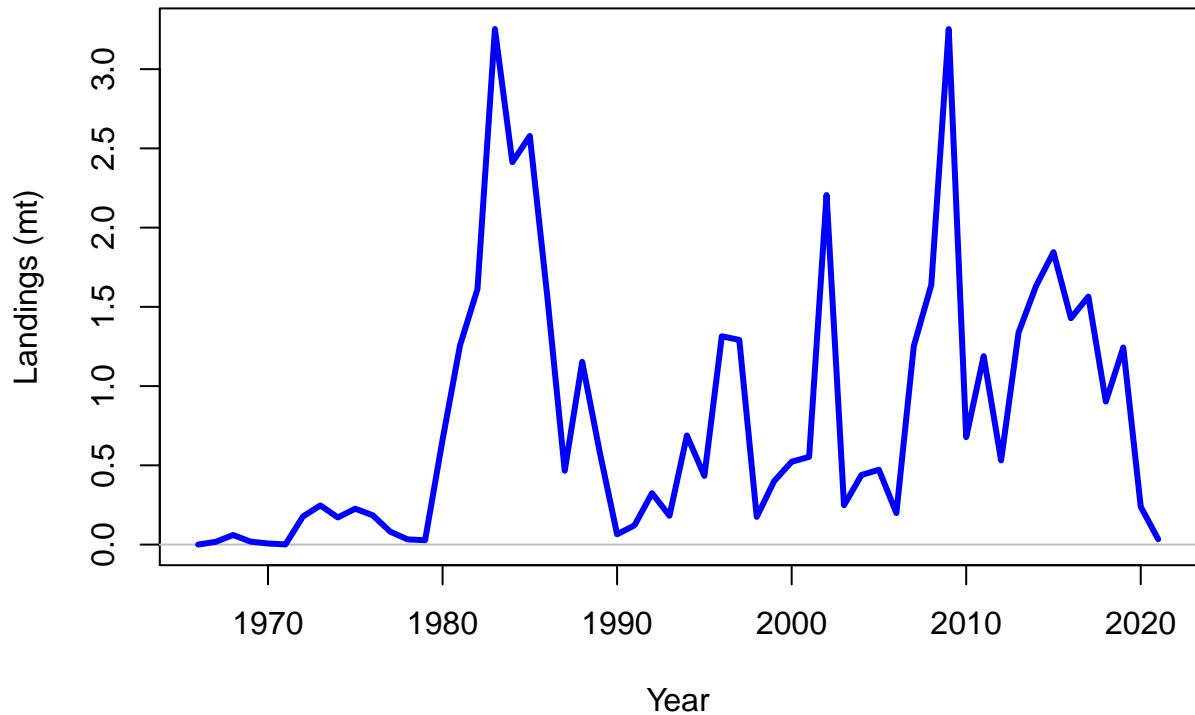
Summary Fishing Mortality

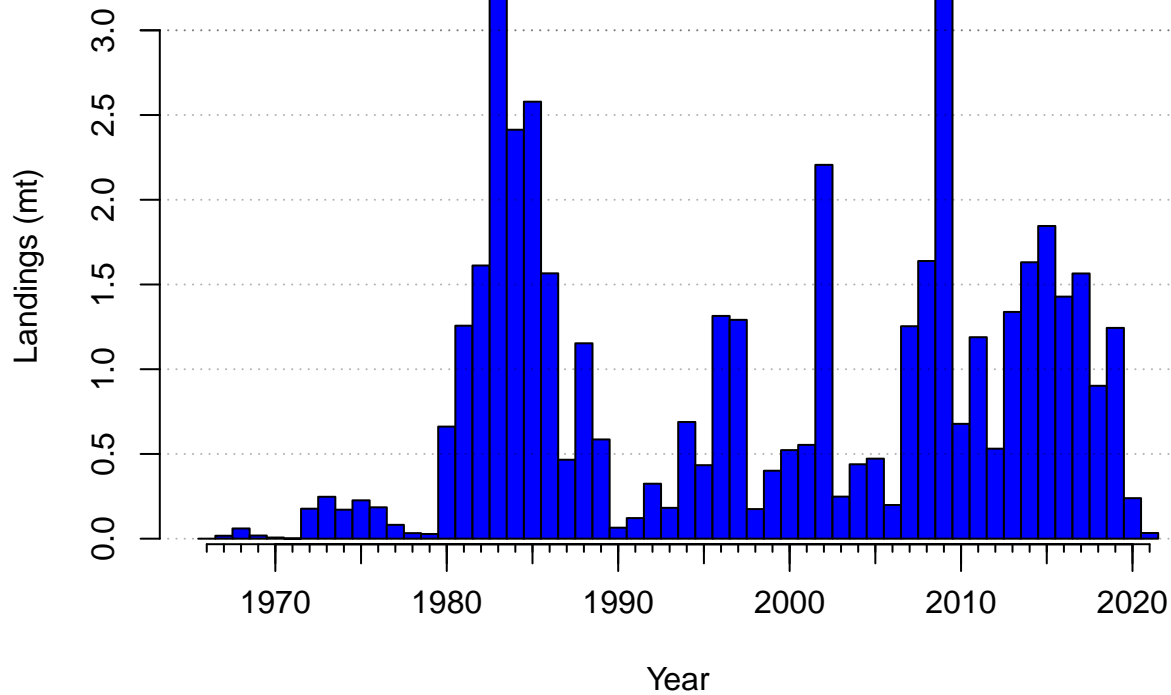


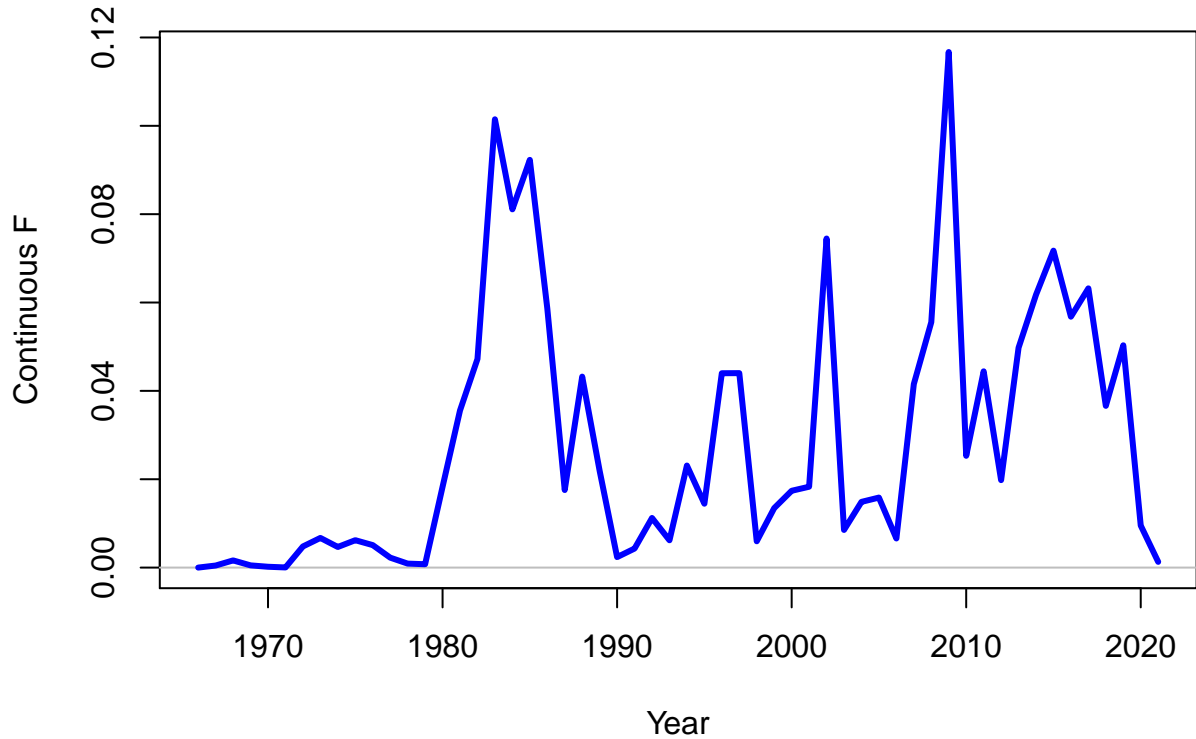












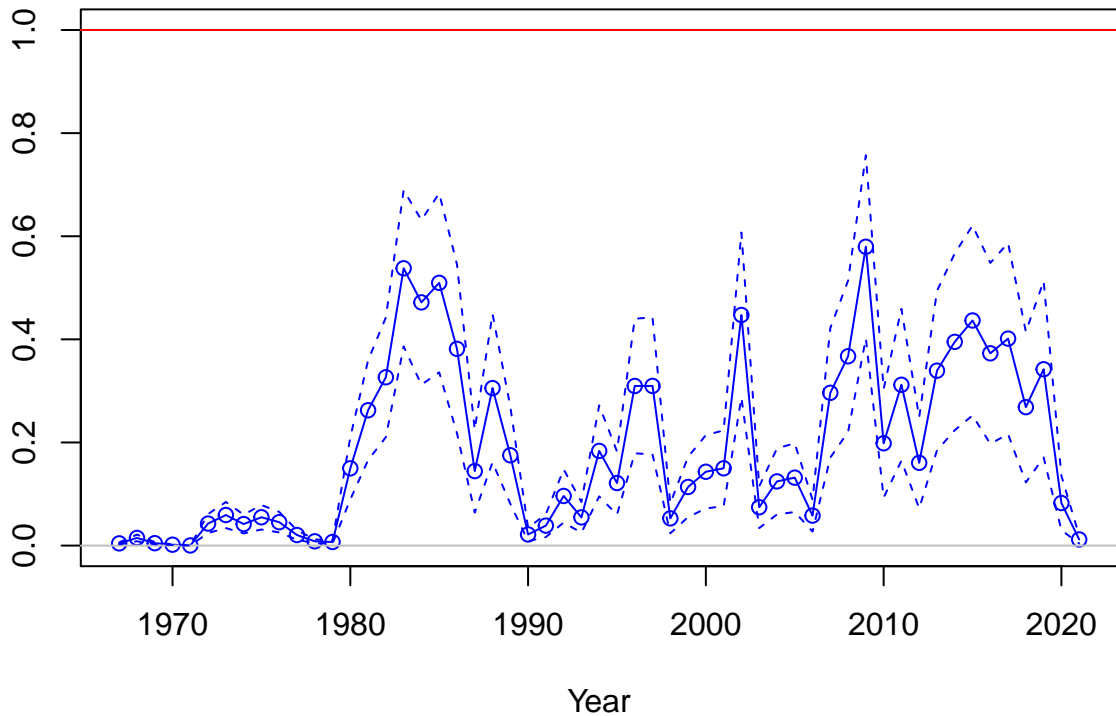
SPR



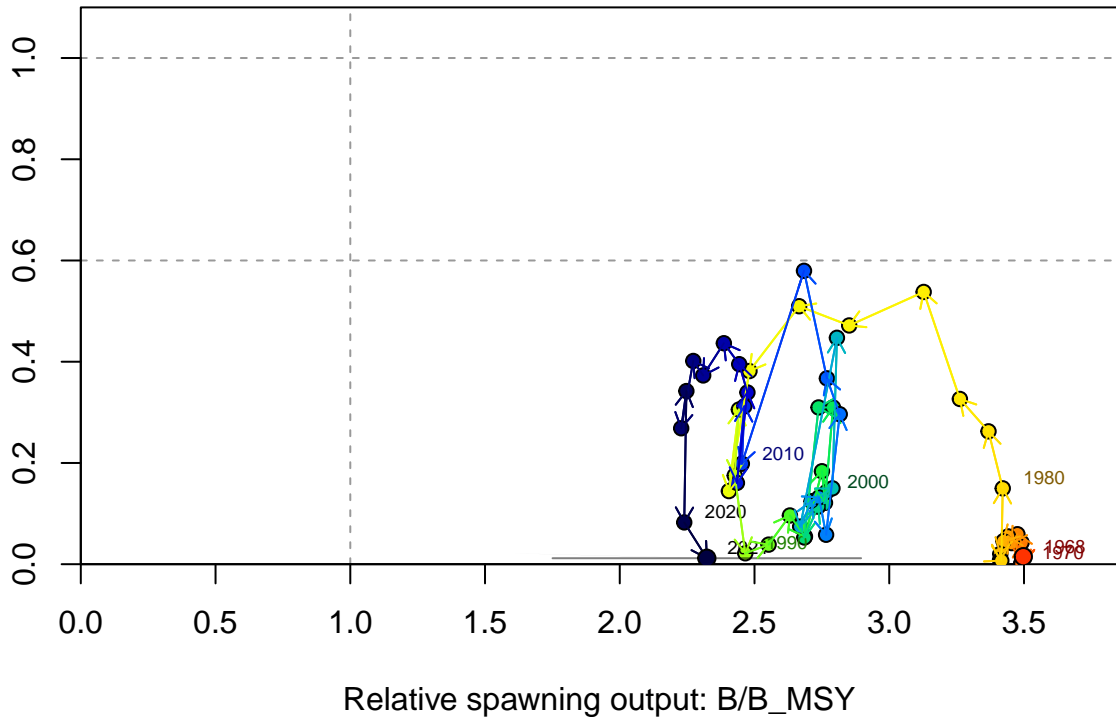
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR

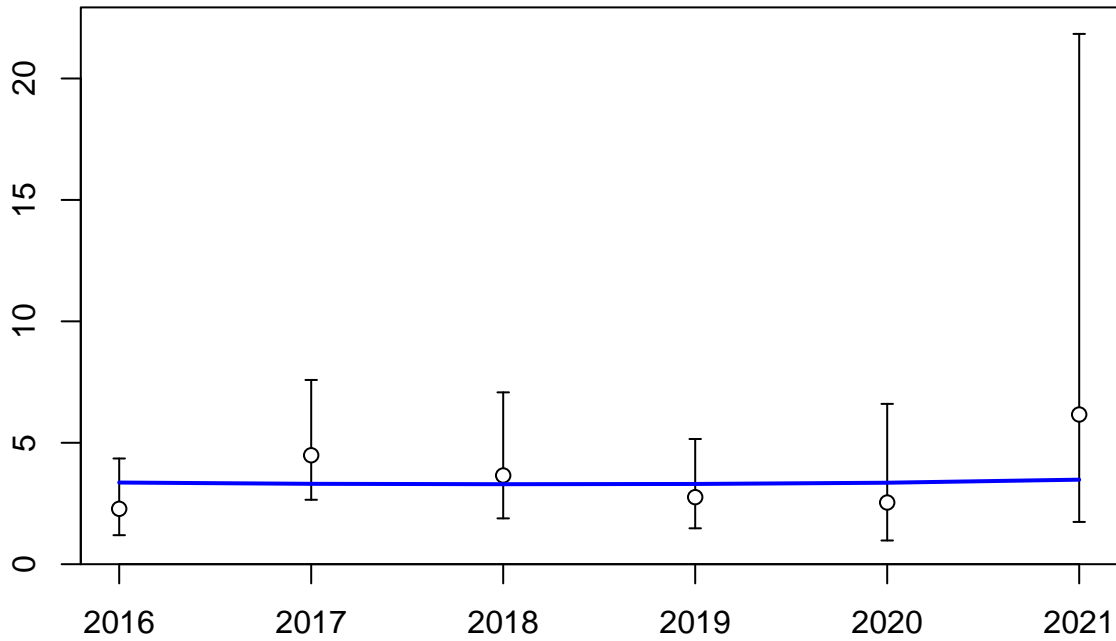


Index



Year

Index



Year



Log index

3.0
2.5
2.0
1.5
1.0
0.5
0.0

2016

2017

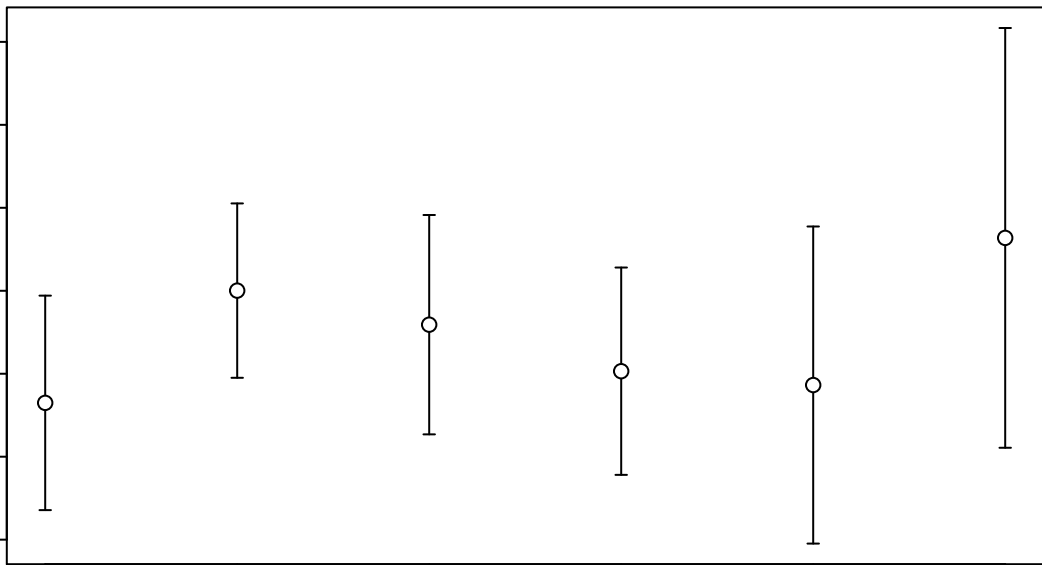
2018

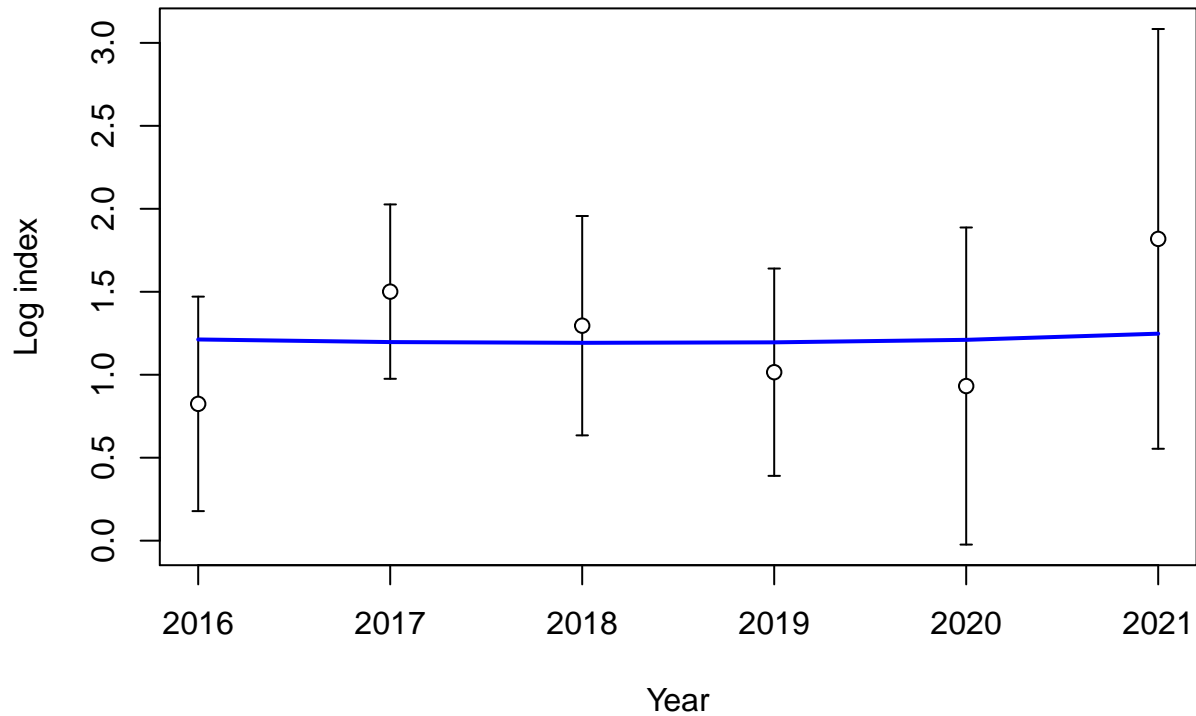
2019

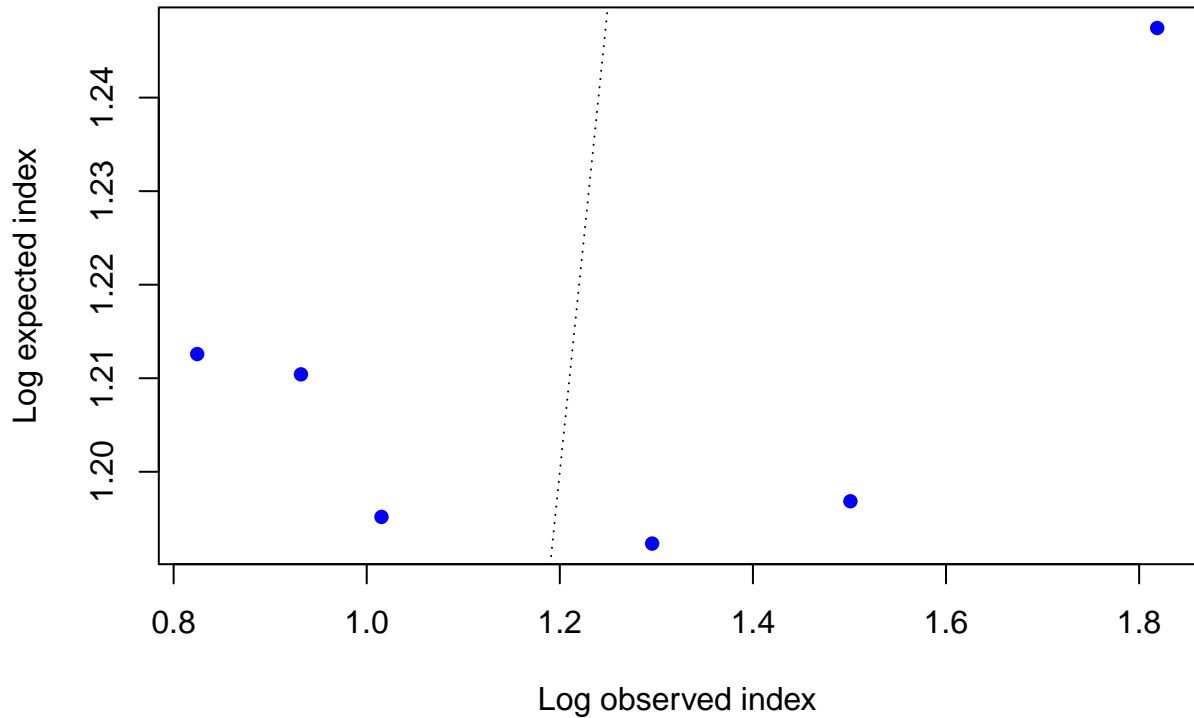
2020

2021

Year









Deviation

0.4
0.2
0.0
-0.2
-0.4

2016

2017

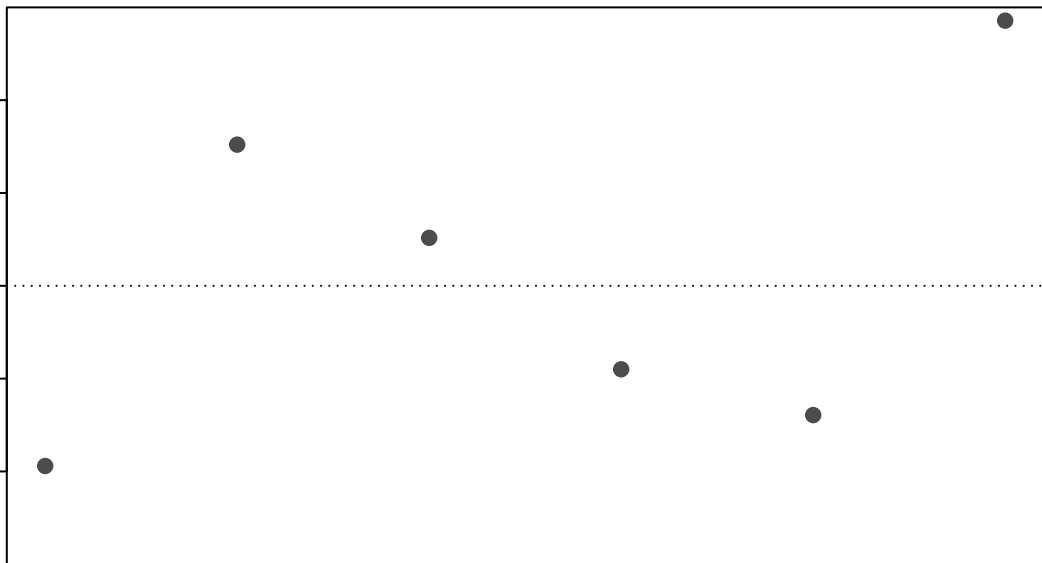
2018

2019

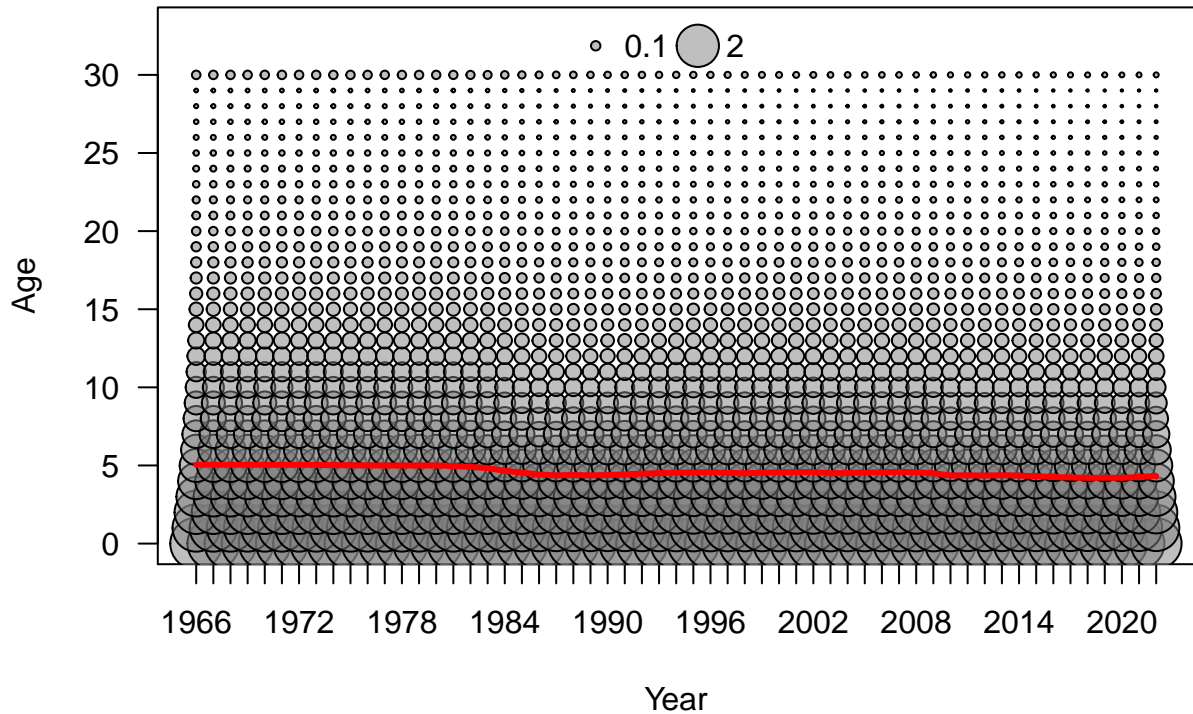
2020

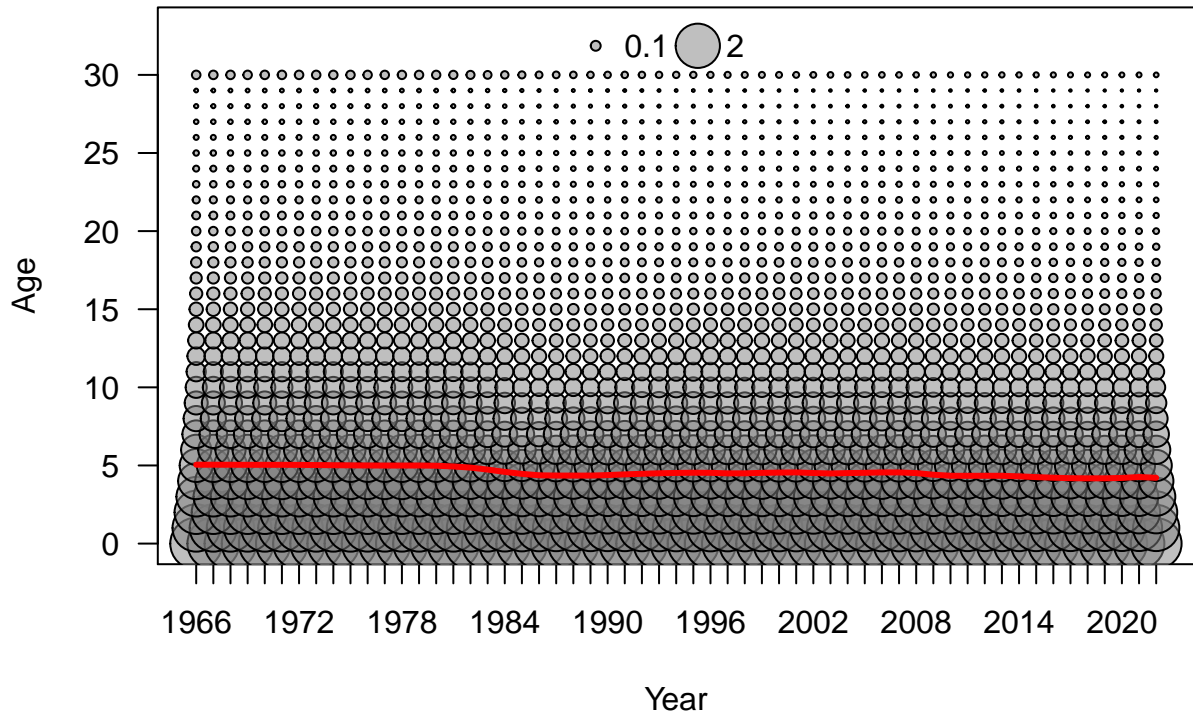
2021

Year

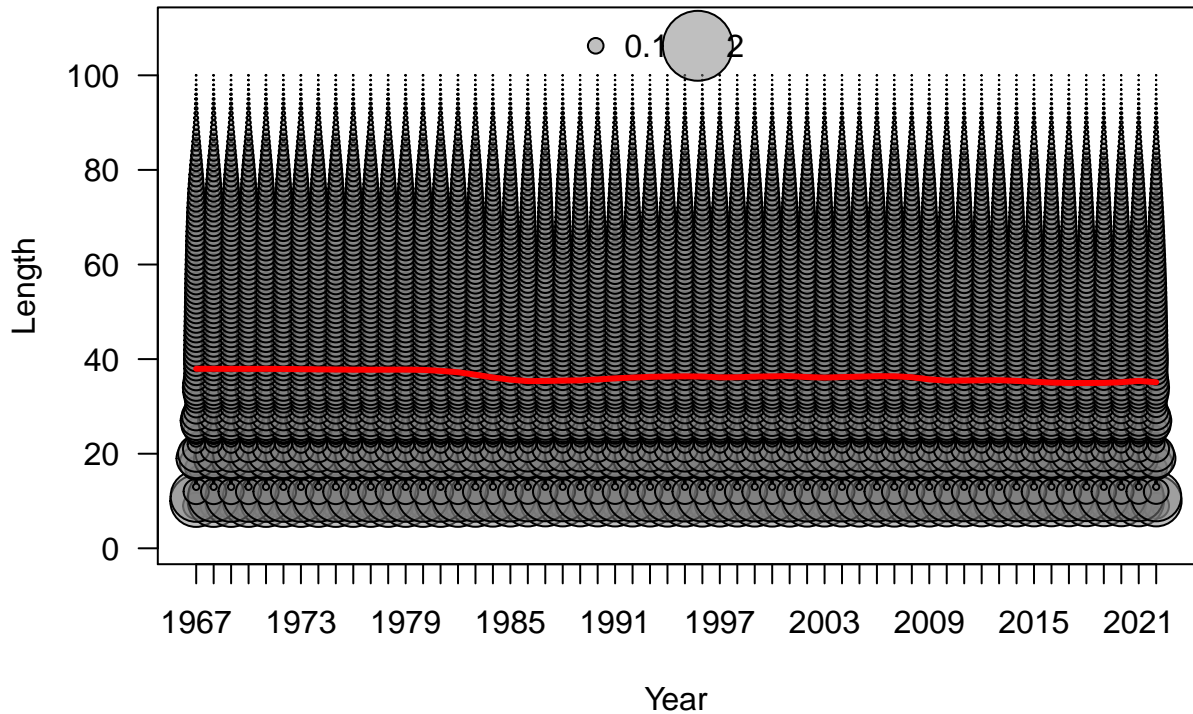










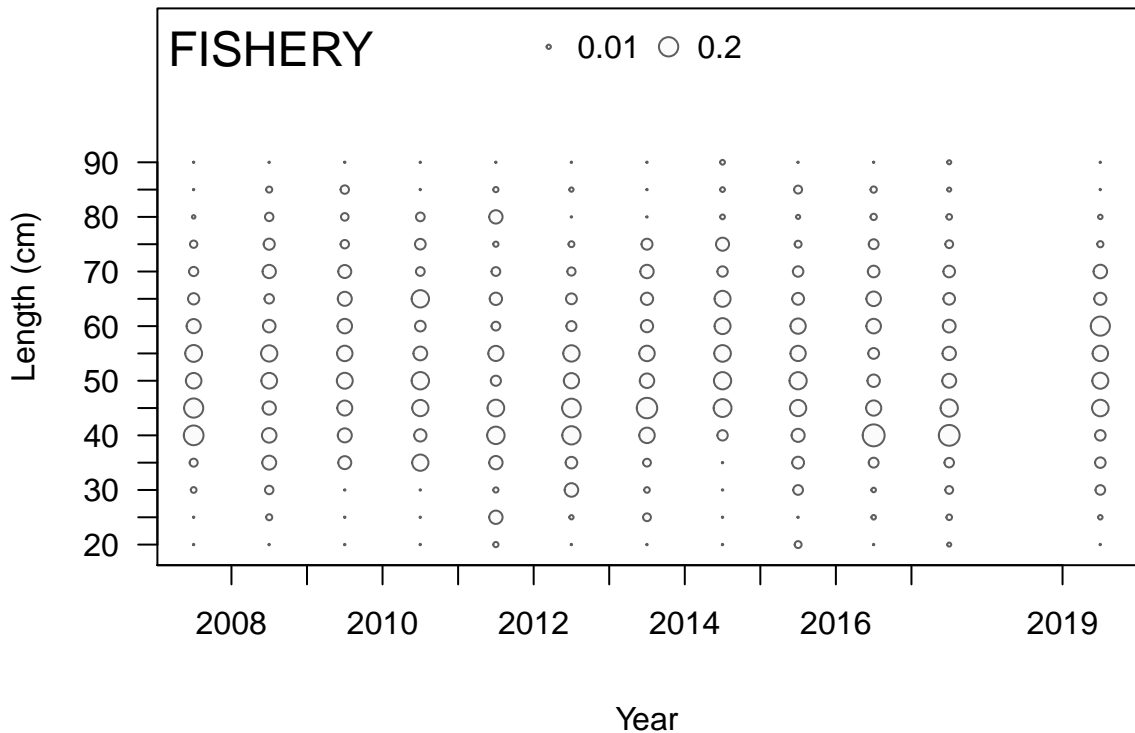




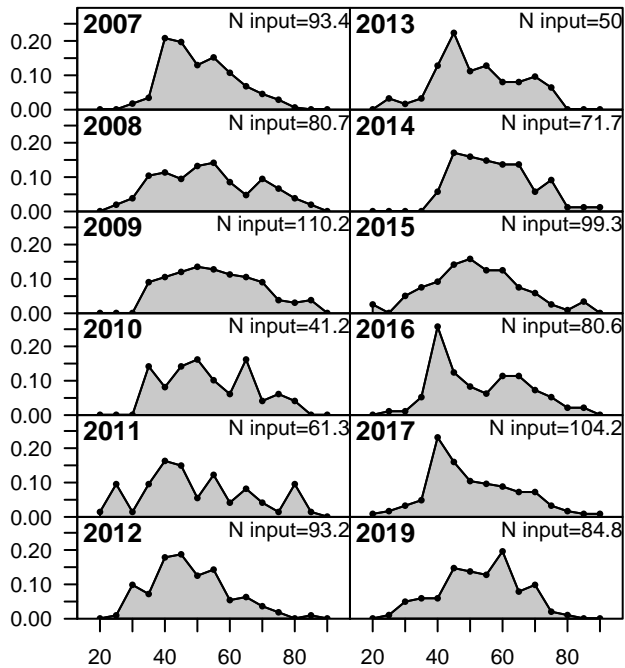
FISHERY

Sum of N input=970.8

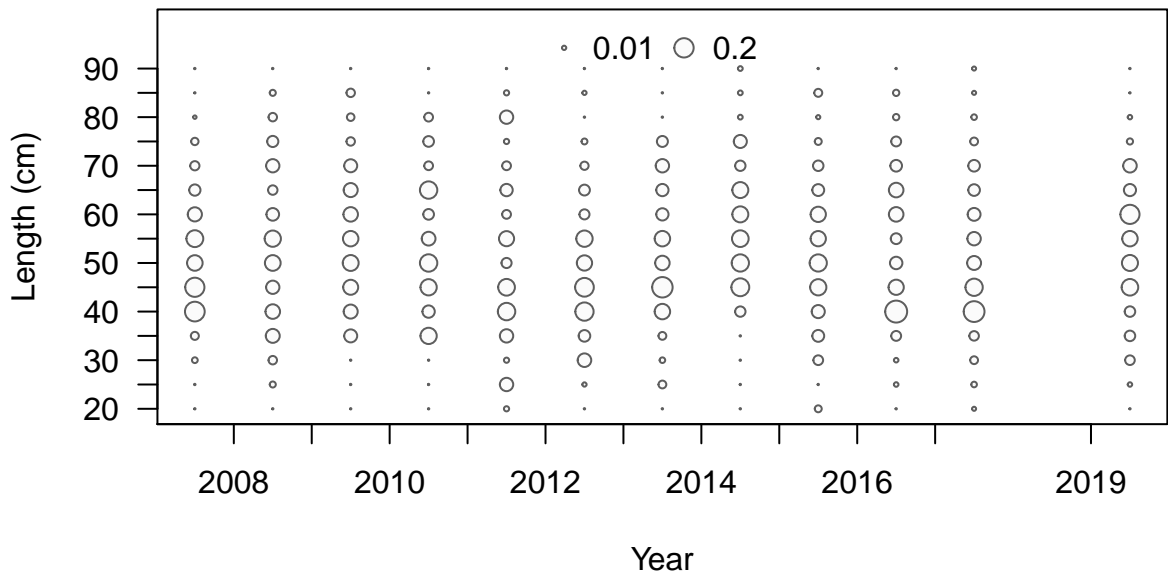




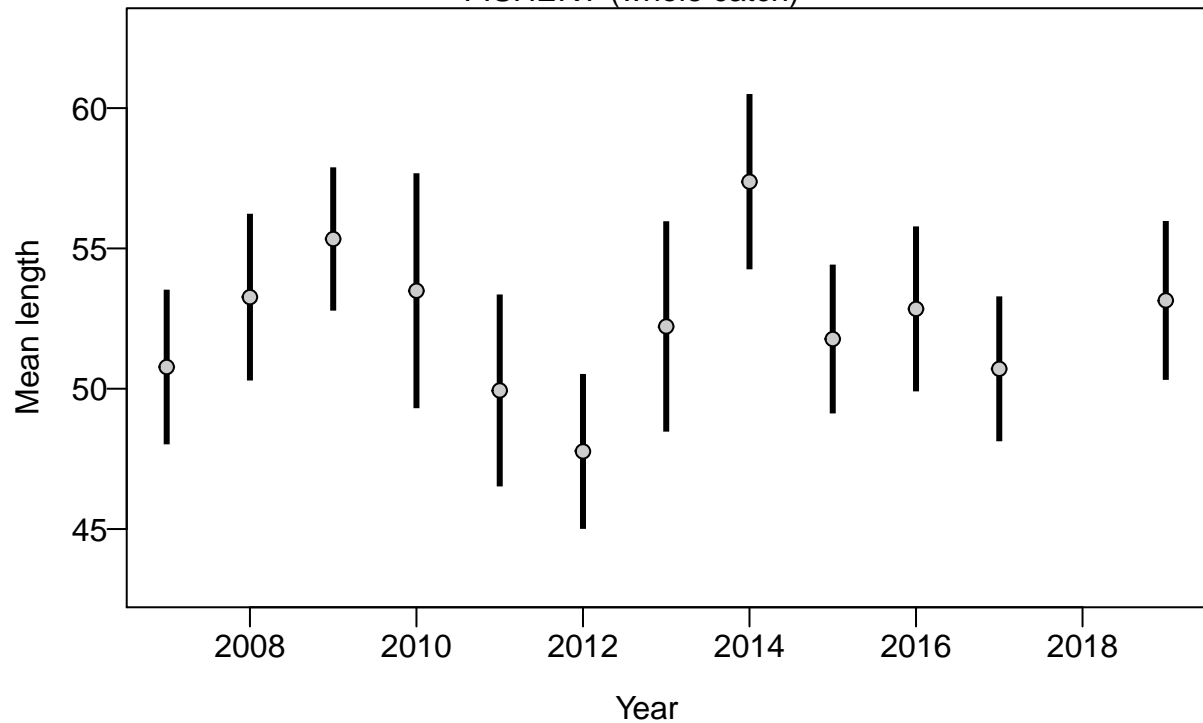
Proportion



Length (cm)



FISHERY (whole catch)



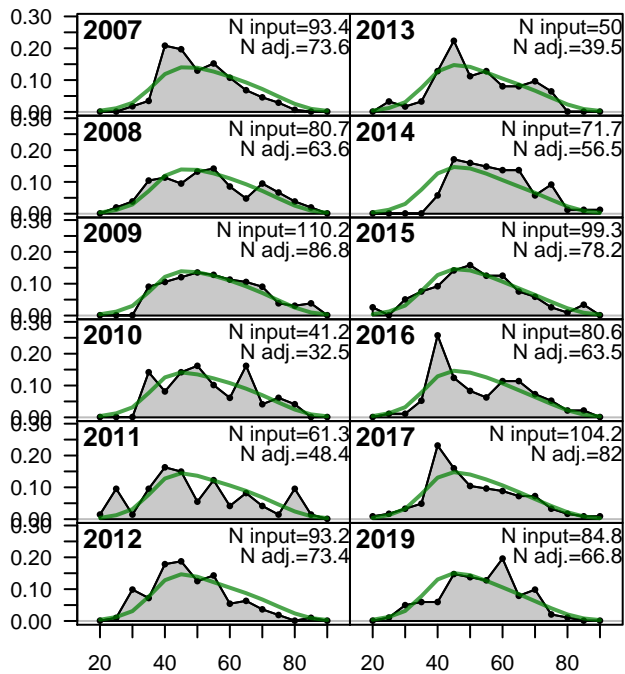
FISHERY

Sum of N input=970.8
Sum of N adj.=765

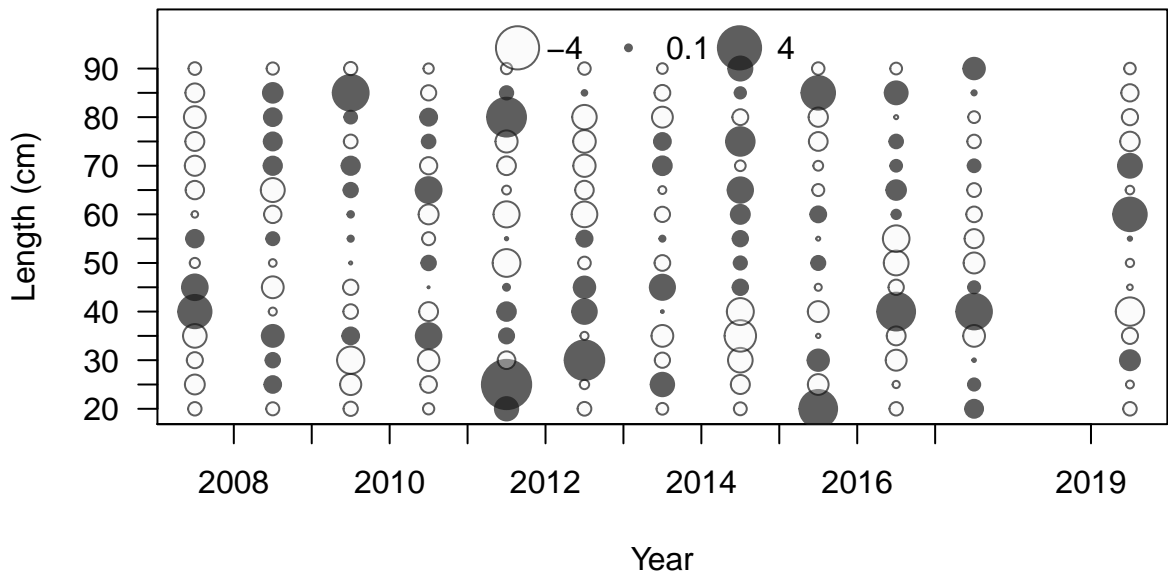




Proportion



Length (cm)



FISHERY (whole catch)

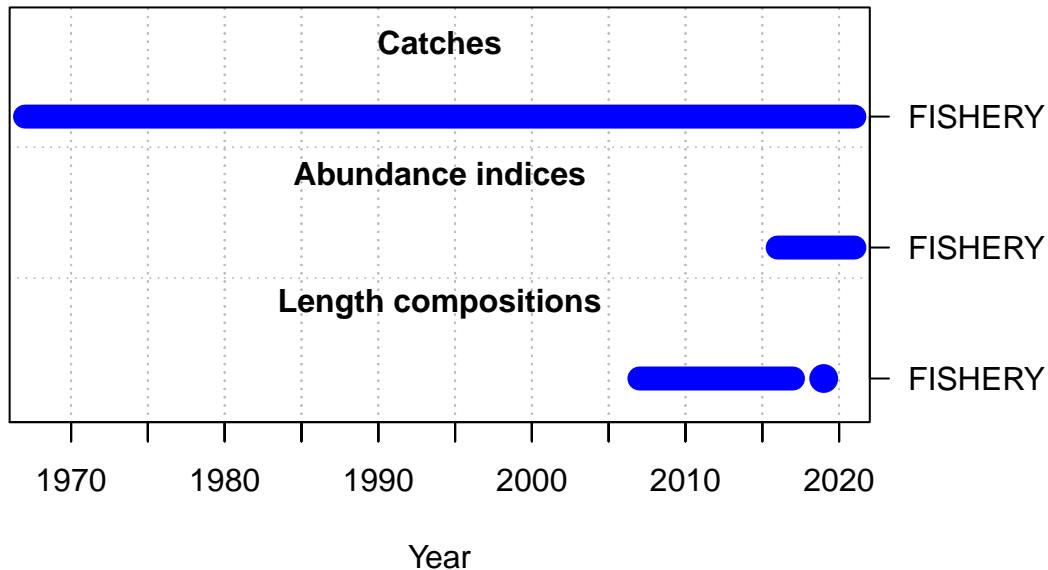


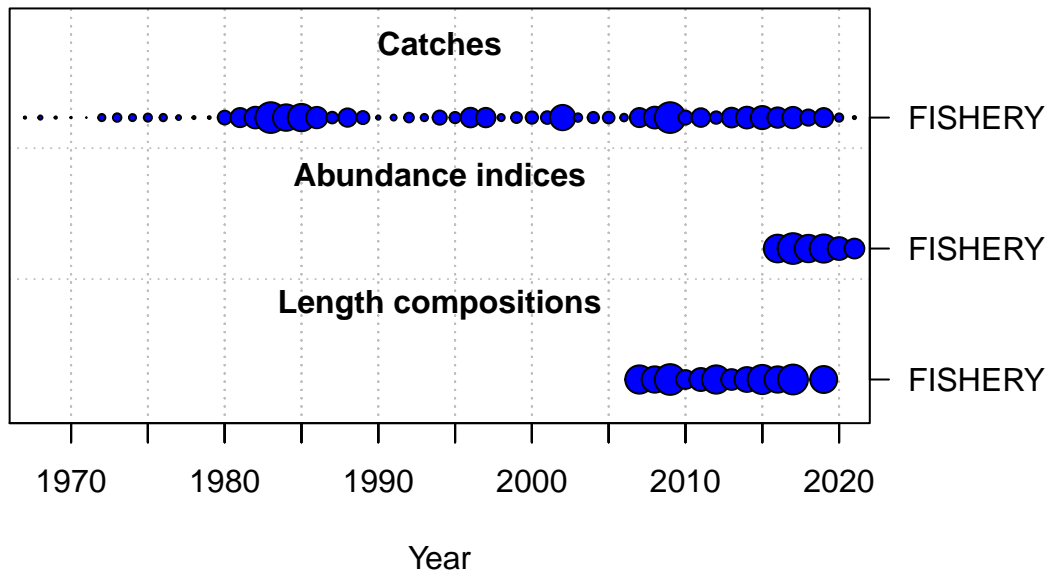




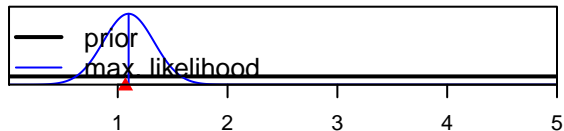




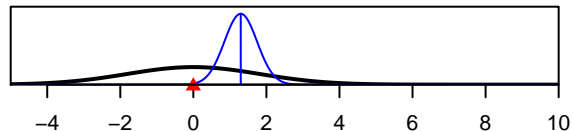




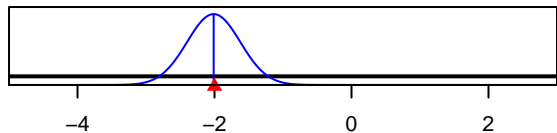
SR_LN(R0)



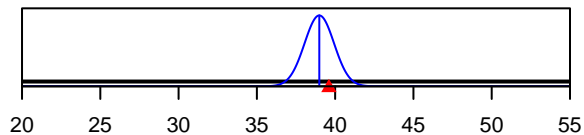
ln(DM_theta)_1



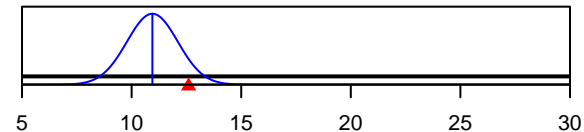
LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Density

Parameter value