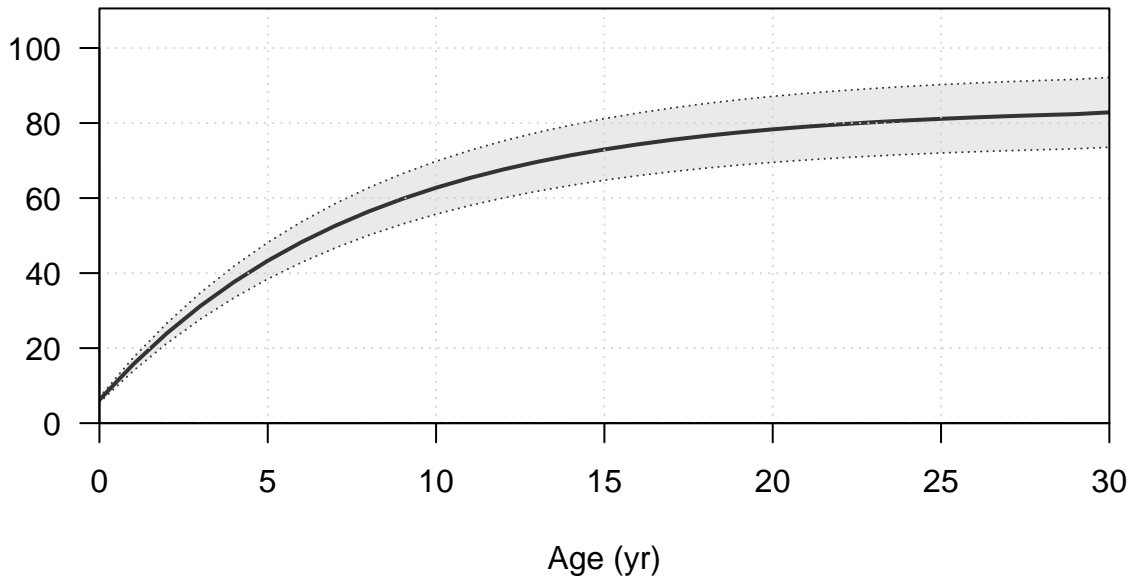
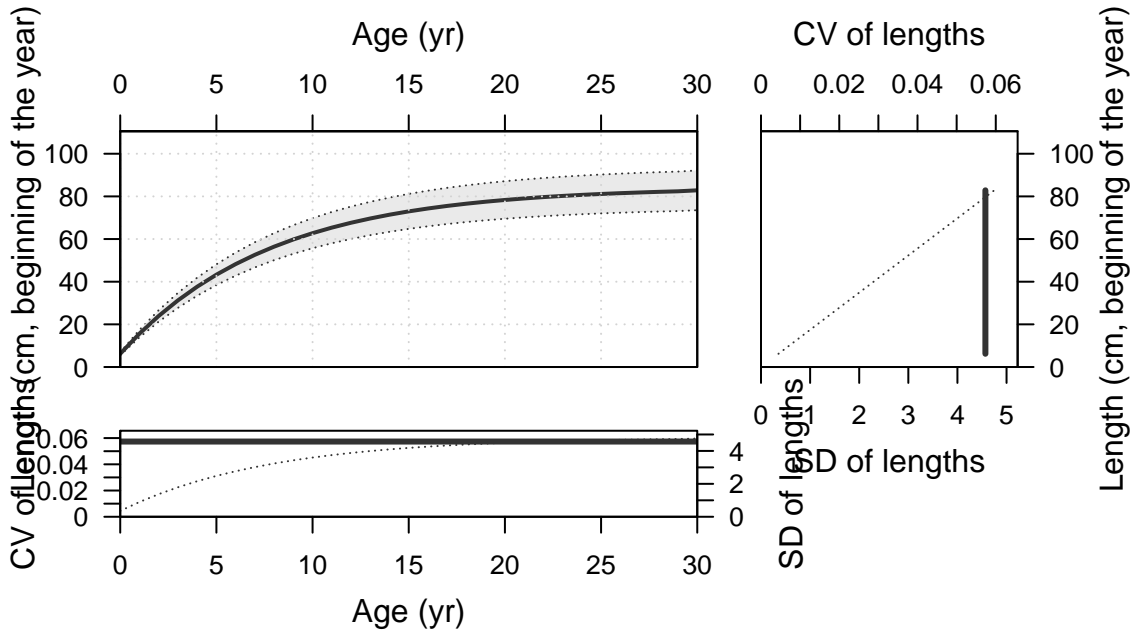
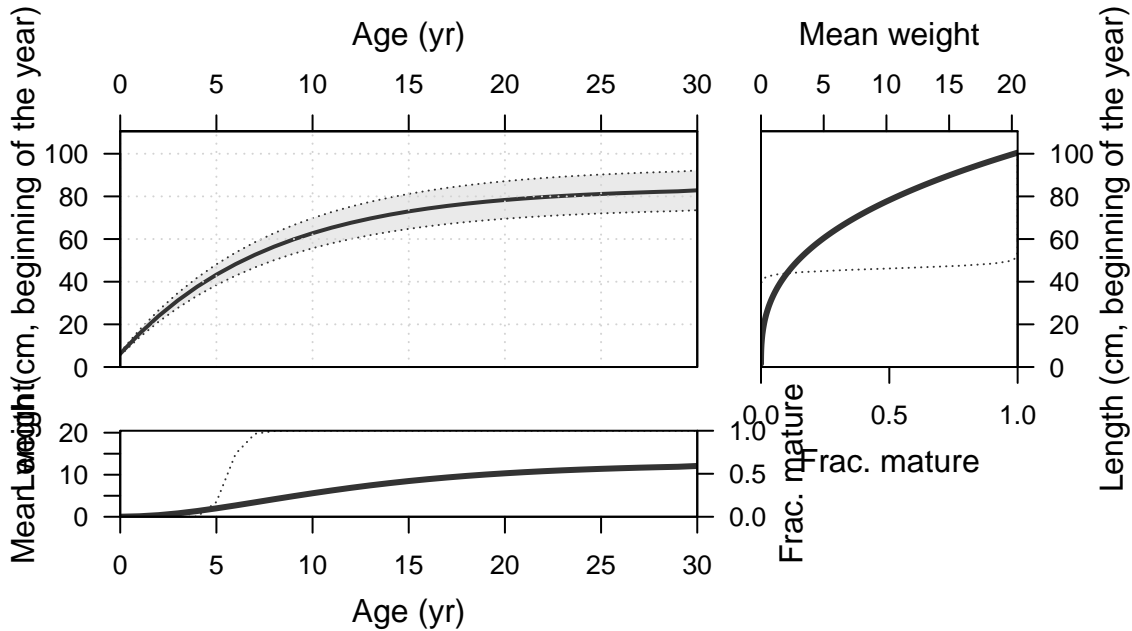


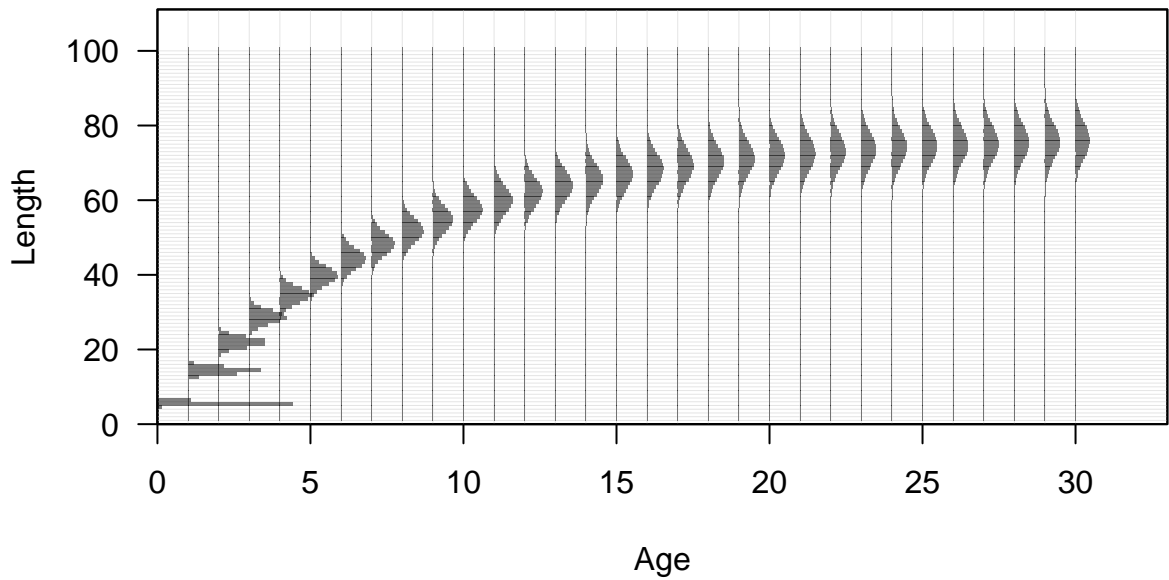
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Sun Feb 19 14:49:44 2023
Data_File: data.ss
Control_File: control.ss

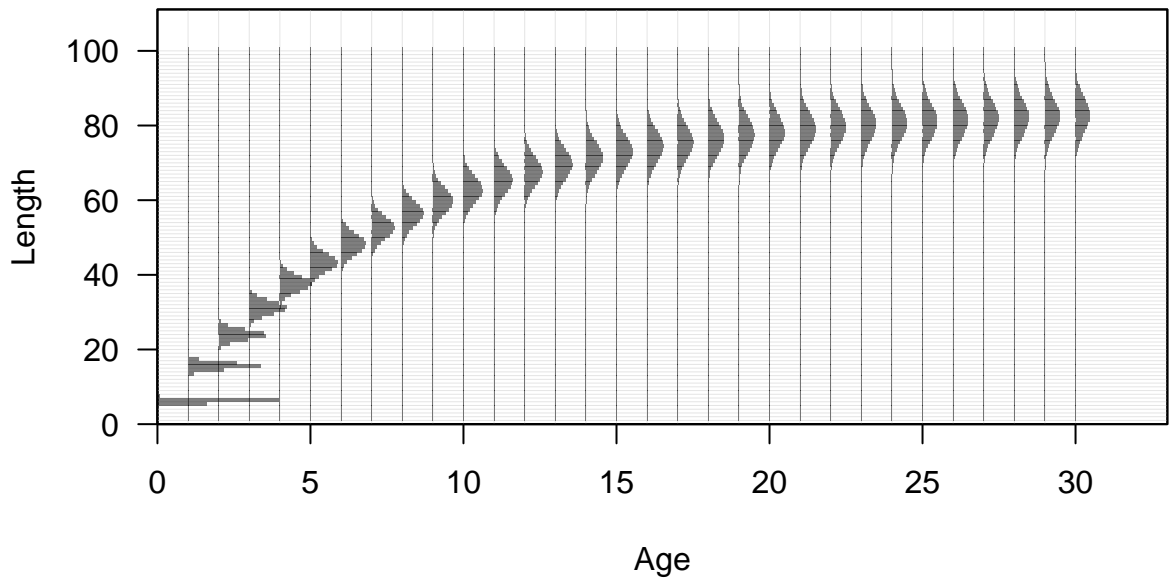
Length (cm, beginning of the year)

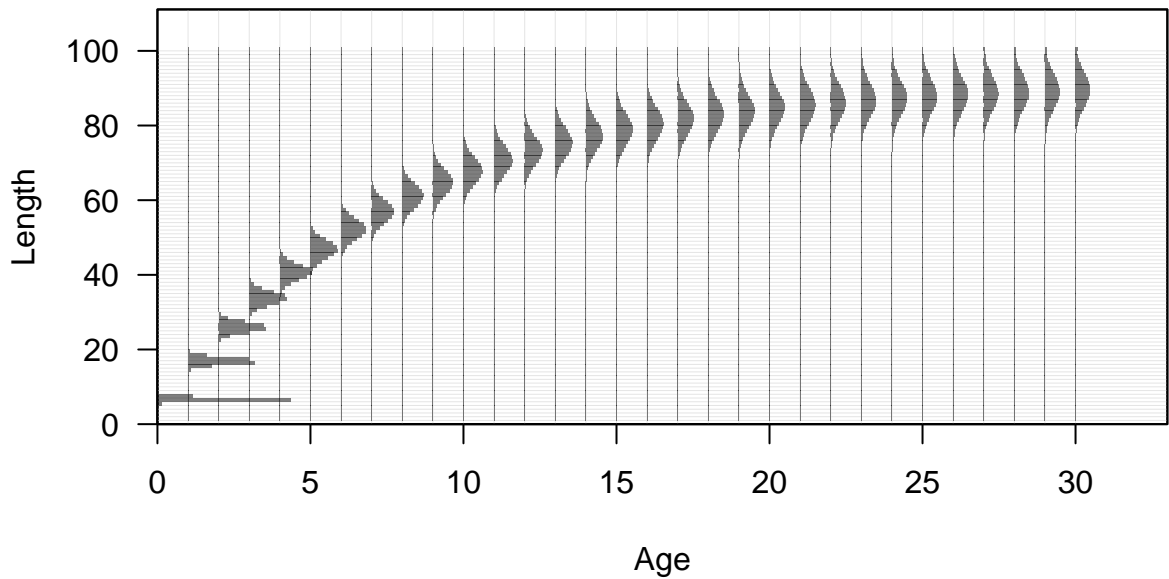


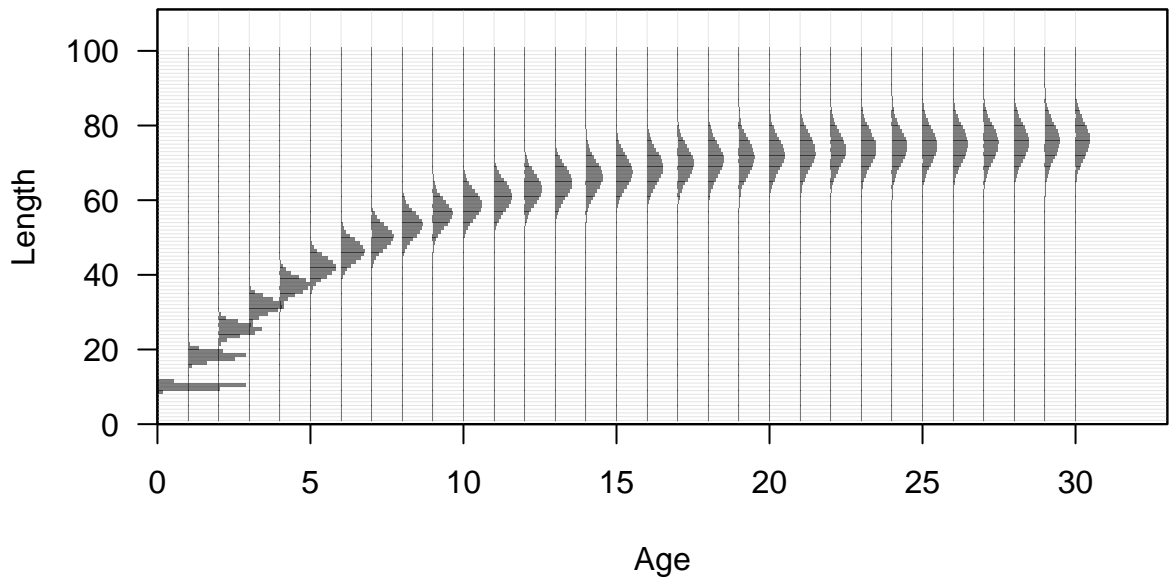


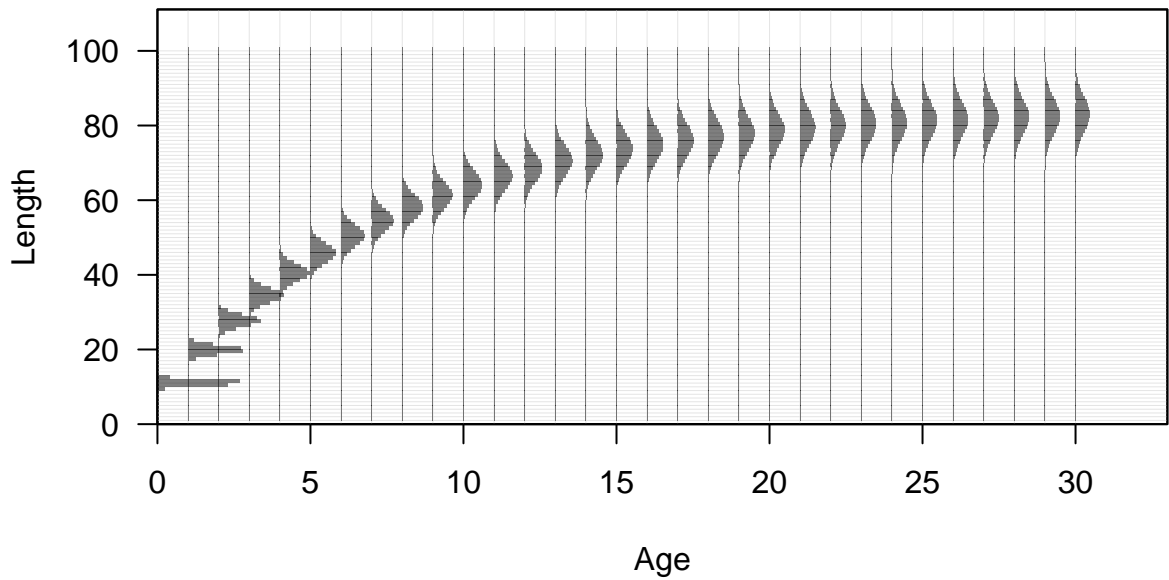


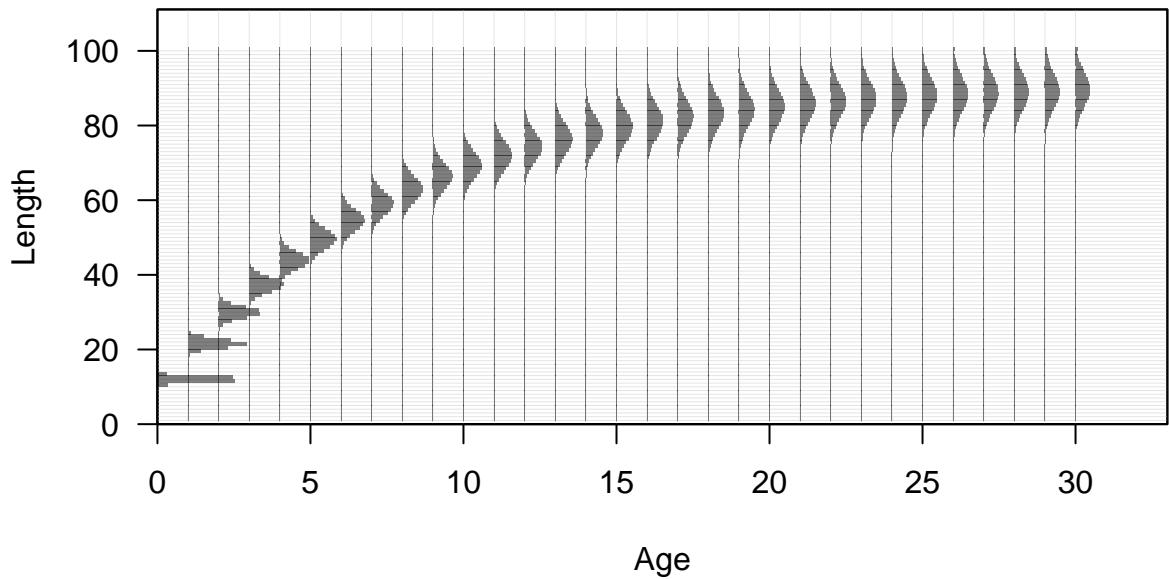




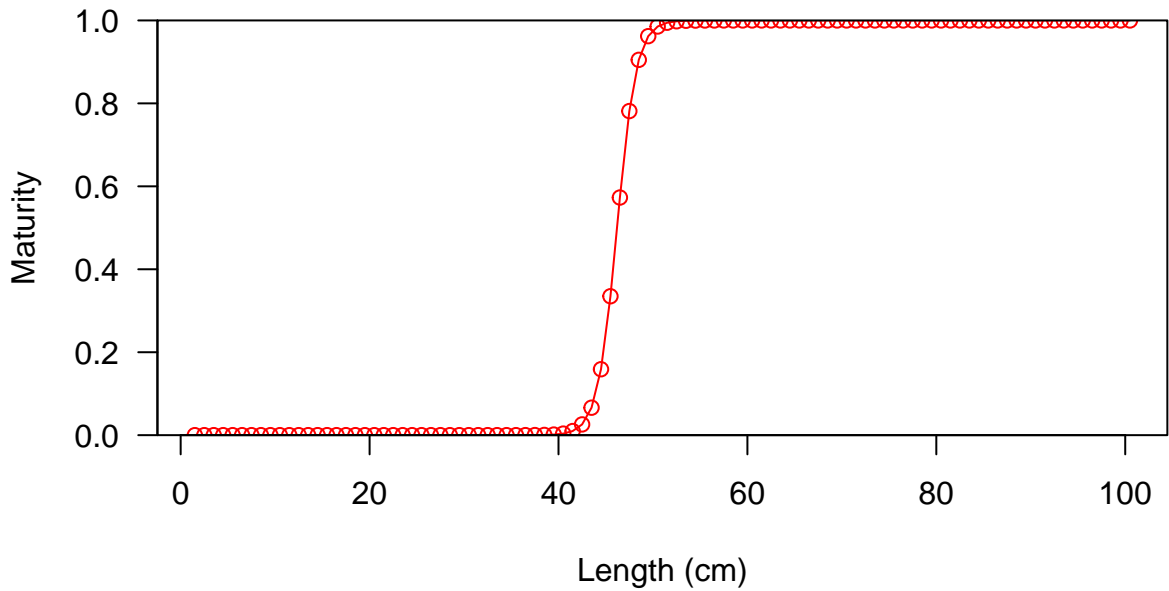


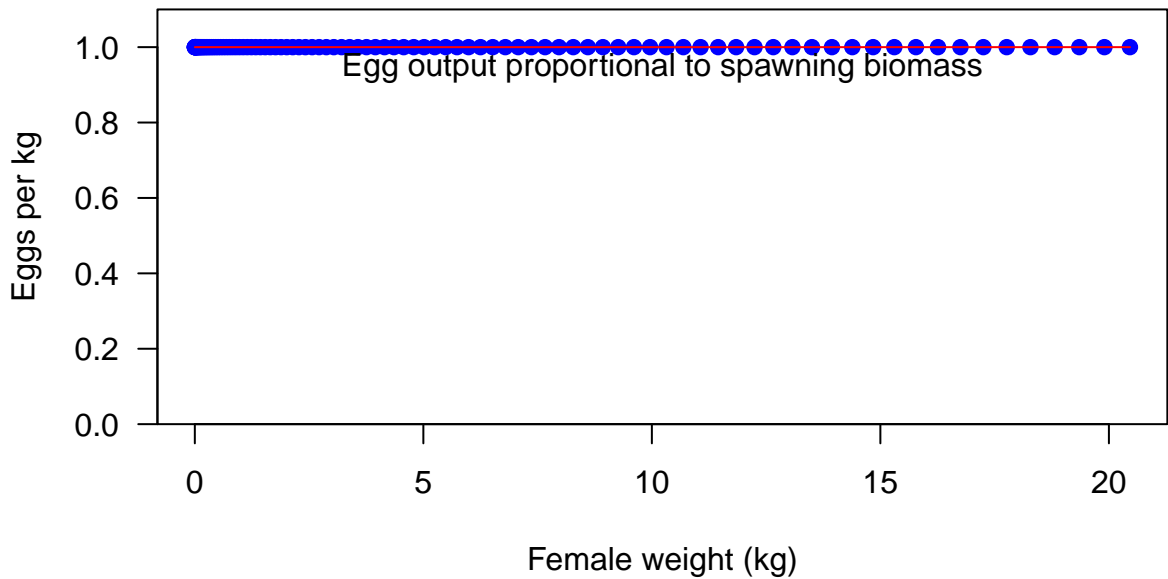




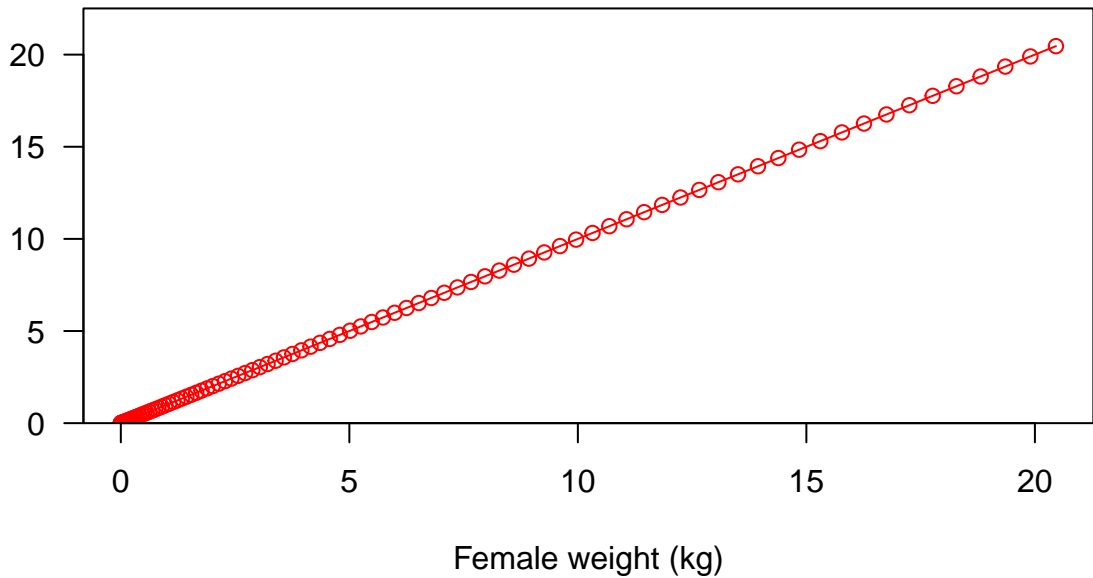








Fecundity



Fecundity

20

15

10

5

0

0

20

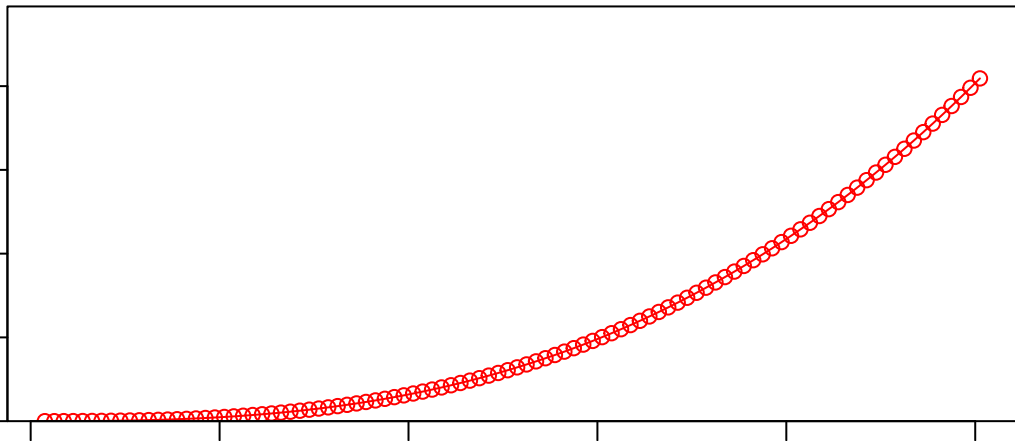
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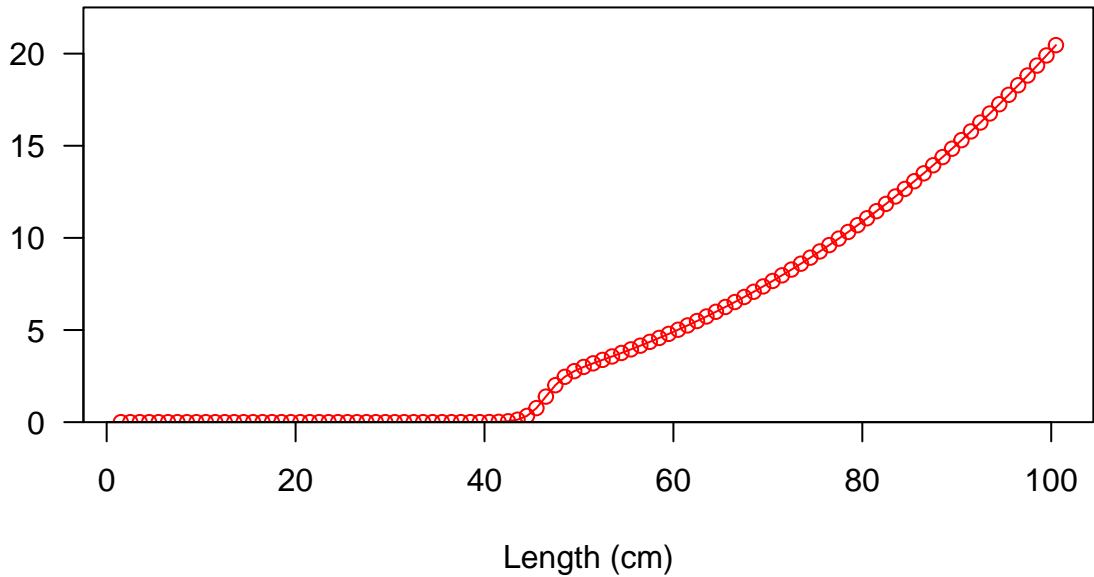
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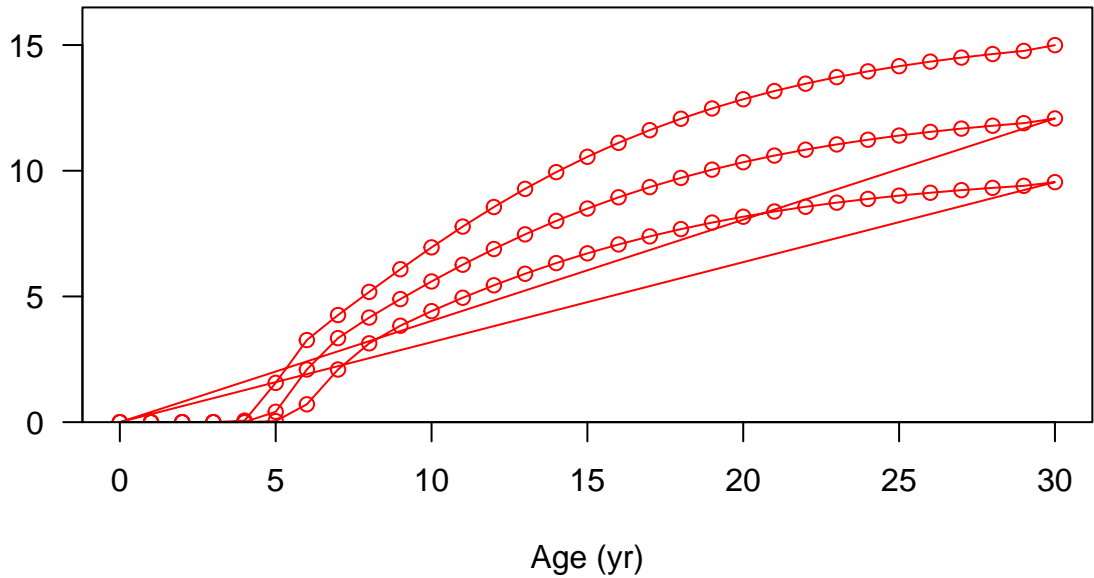
Female length (cm)



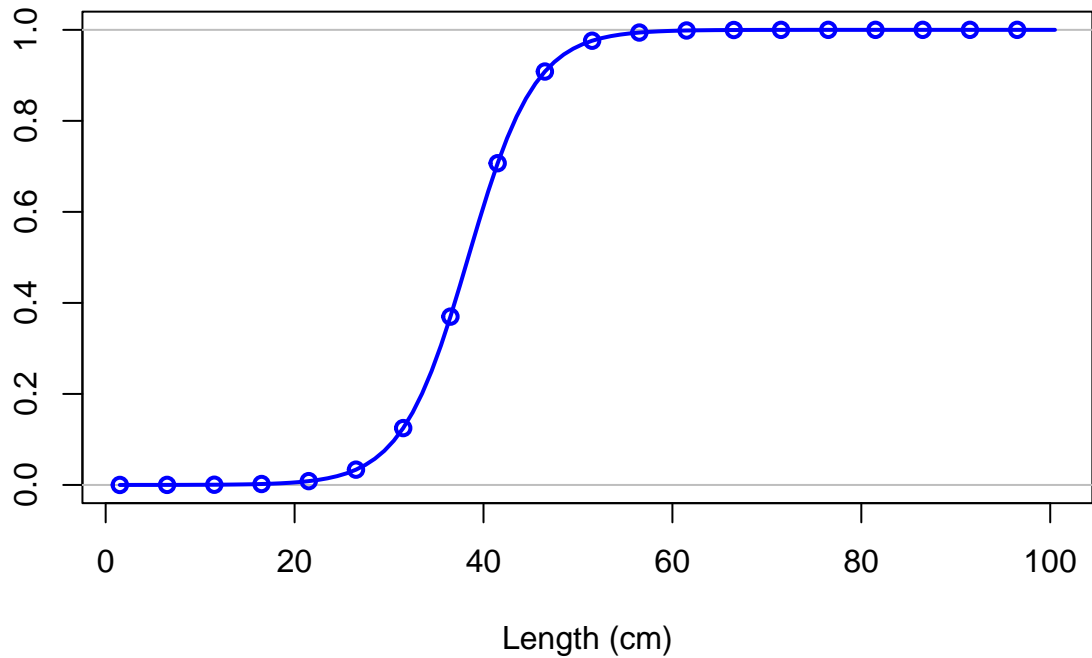
Spawning output



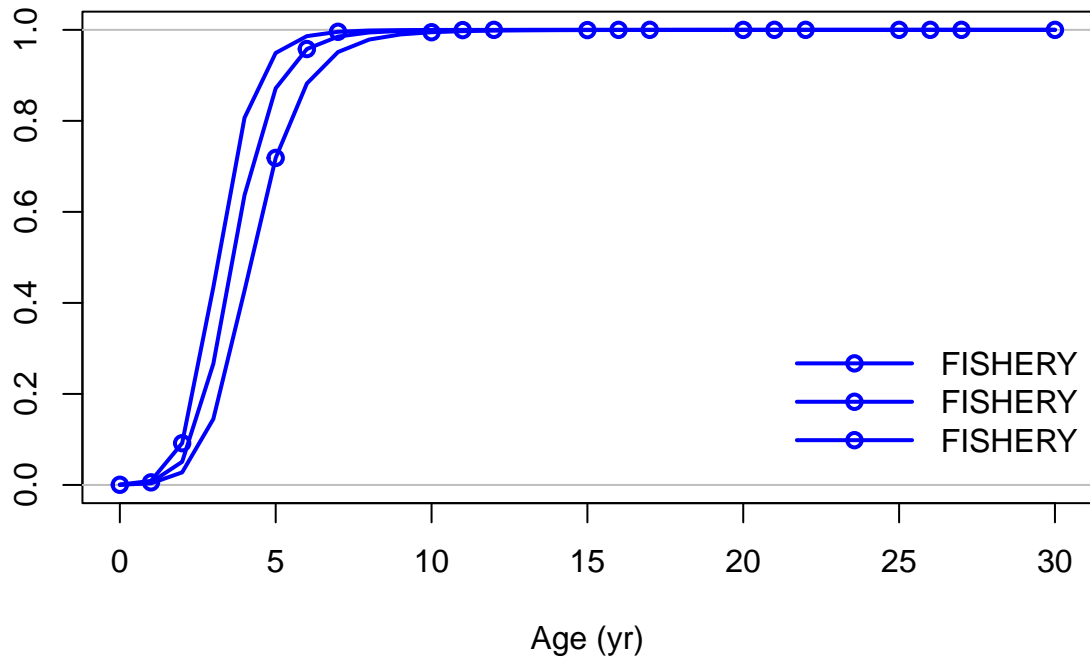
Spawning output



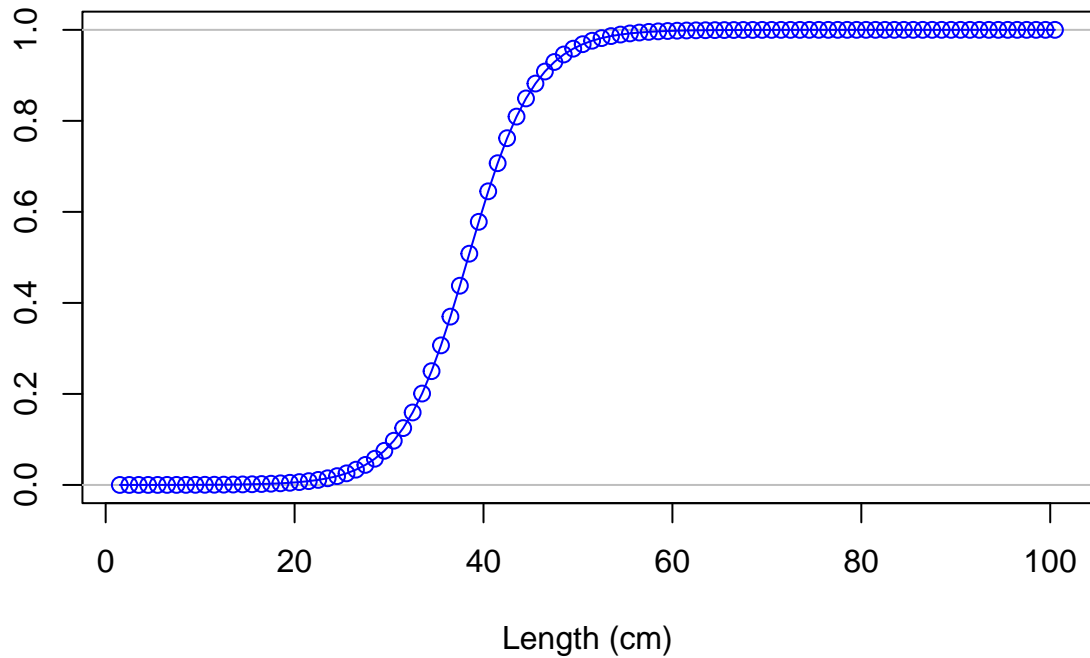
Selectivity

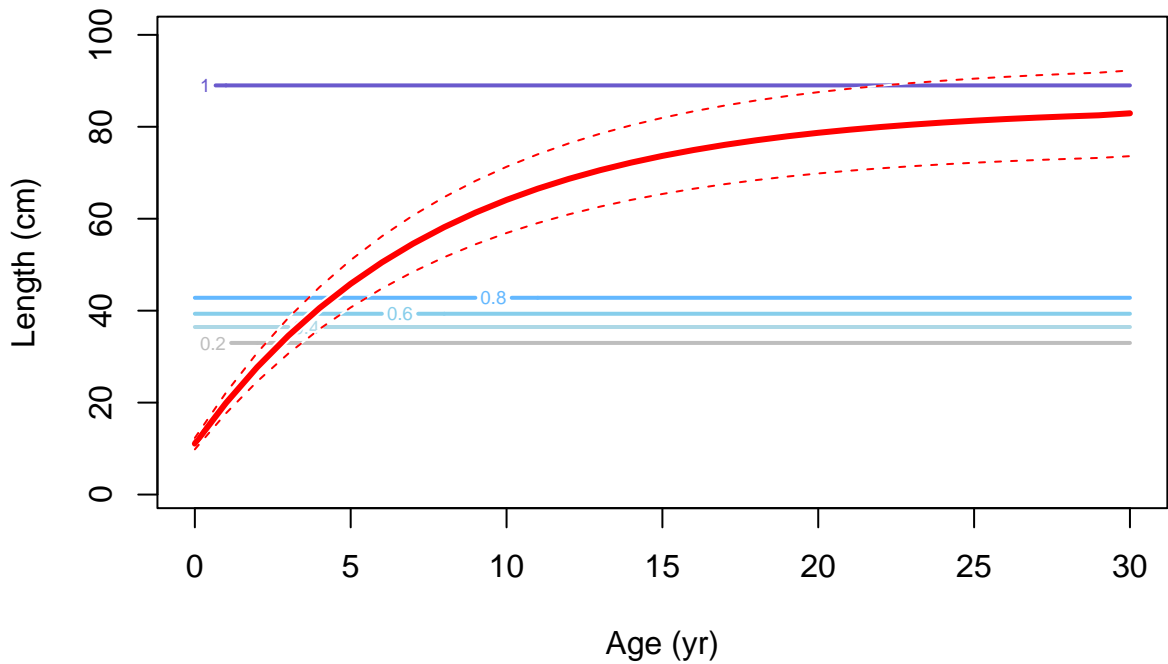


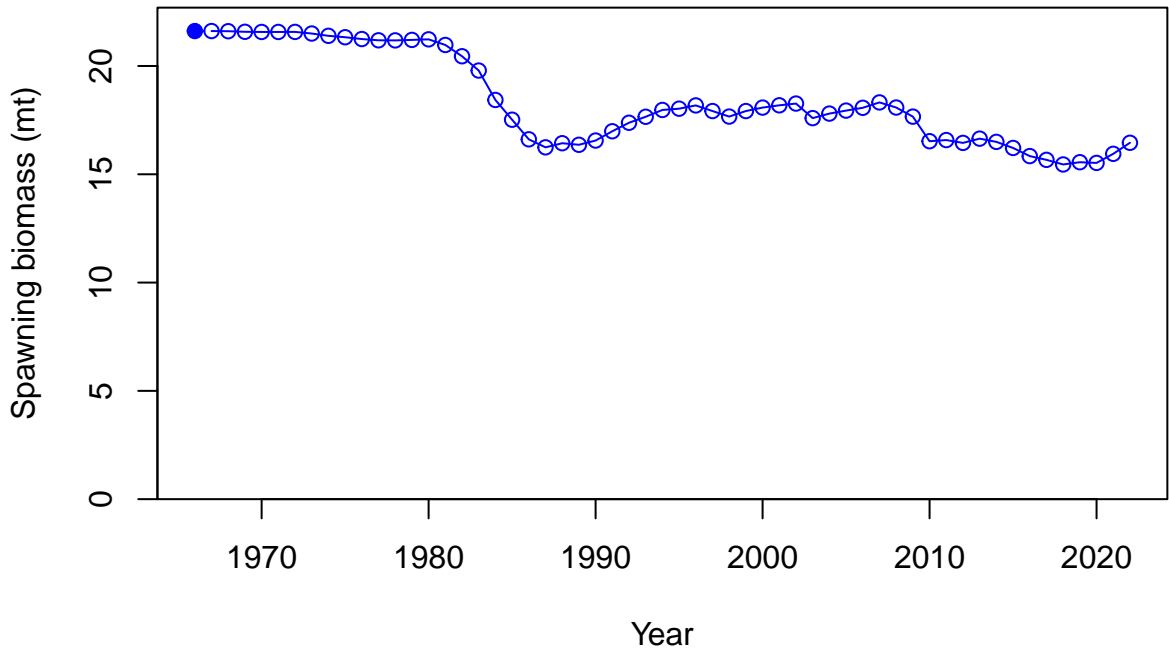
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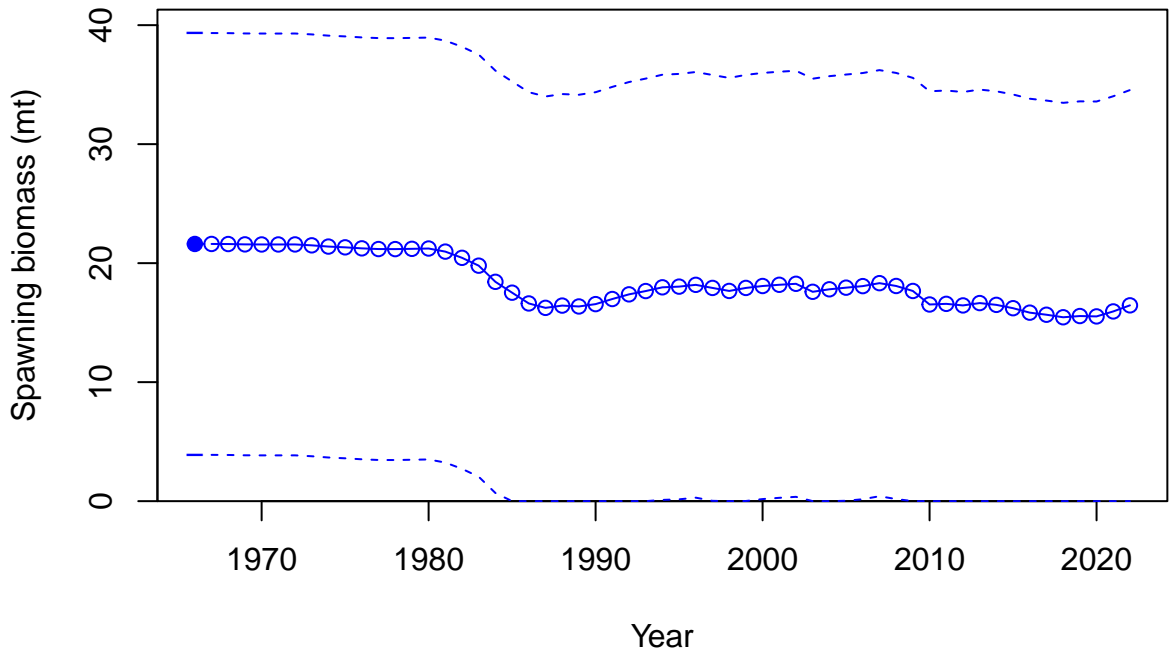


Selectivity

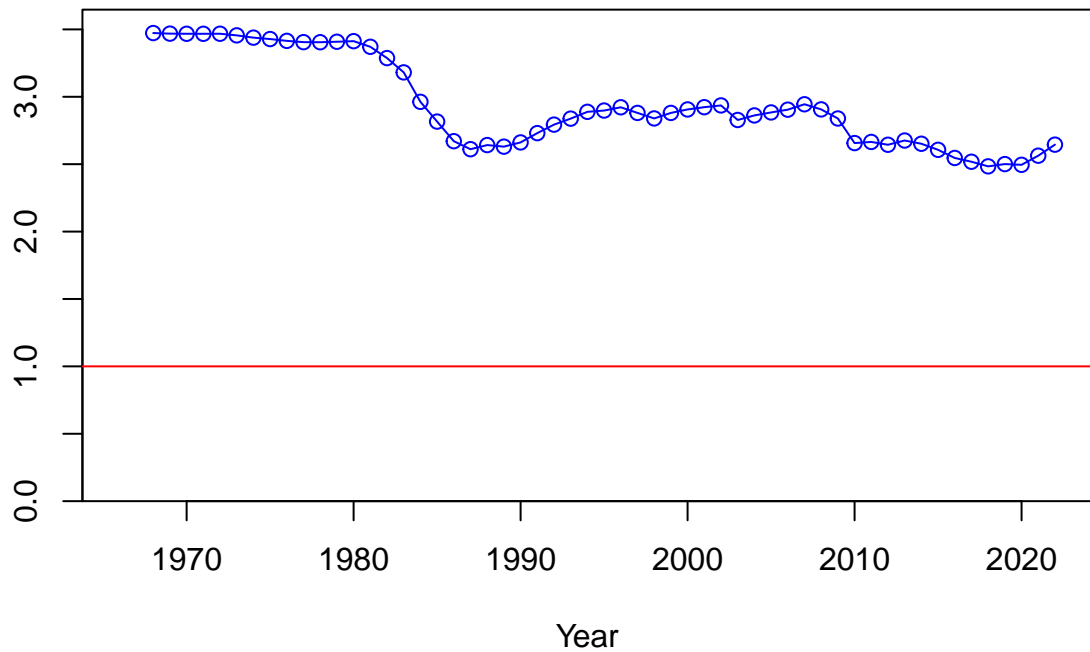




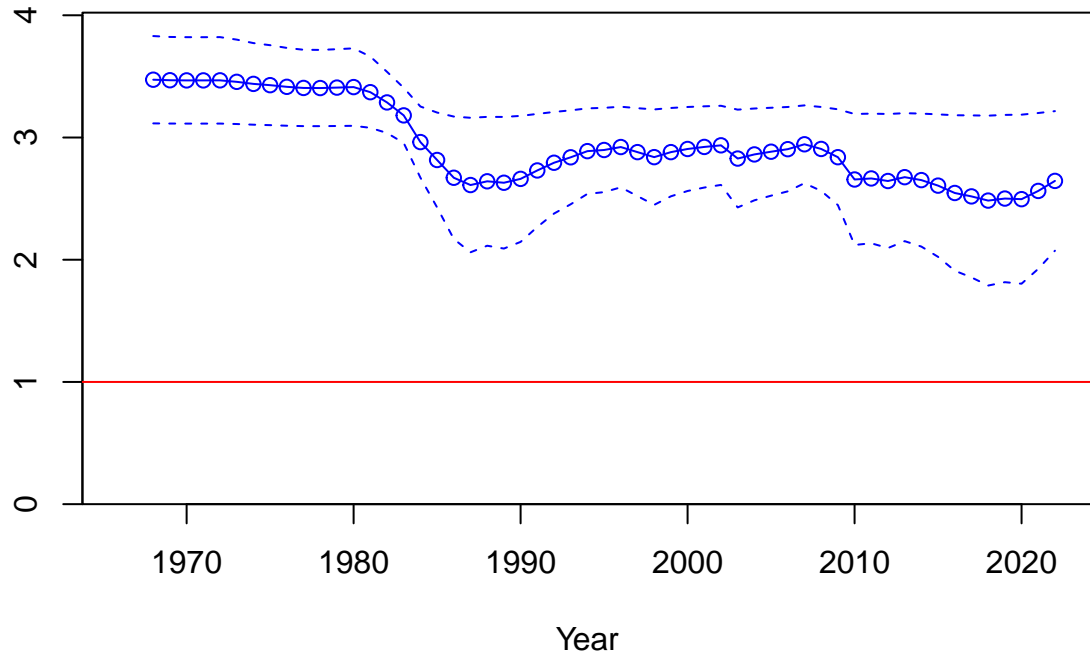


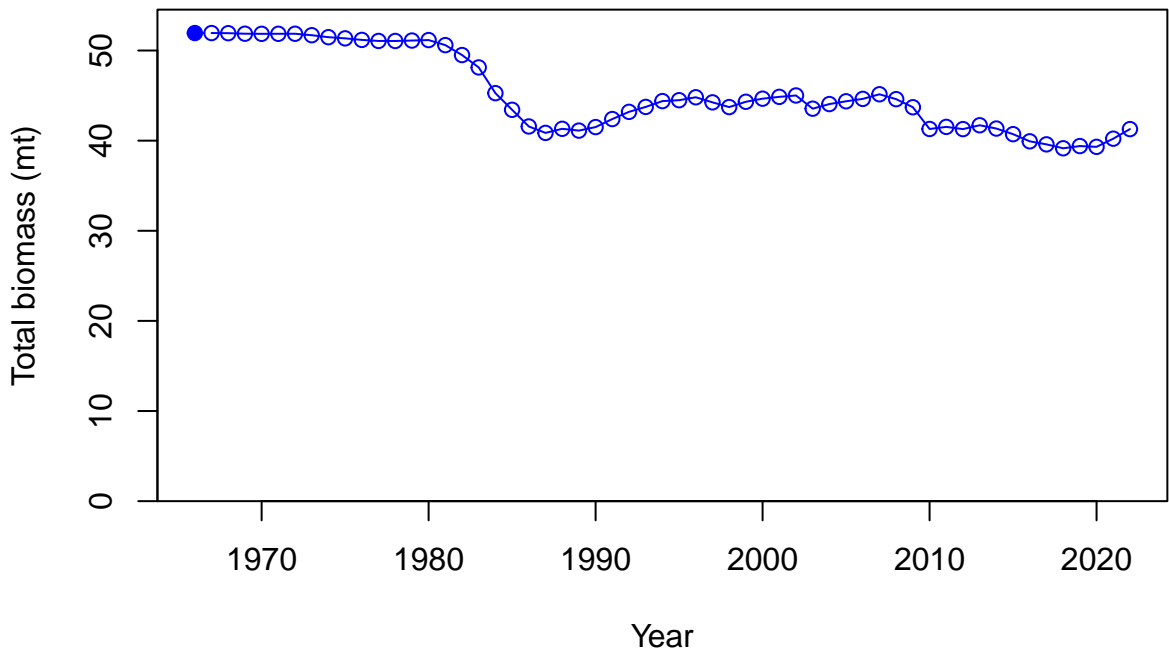


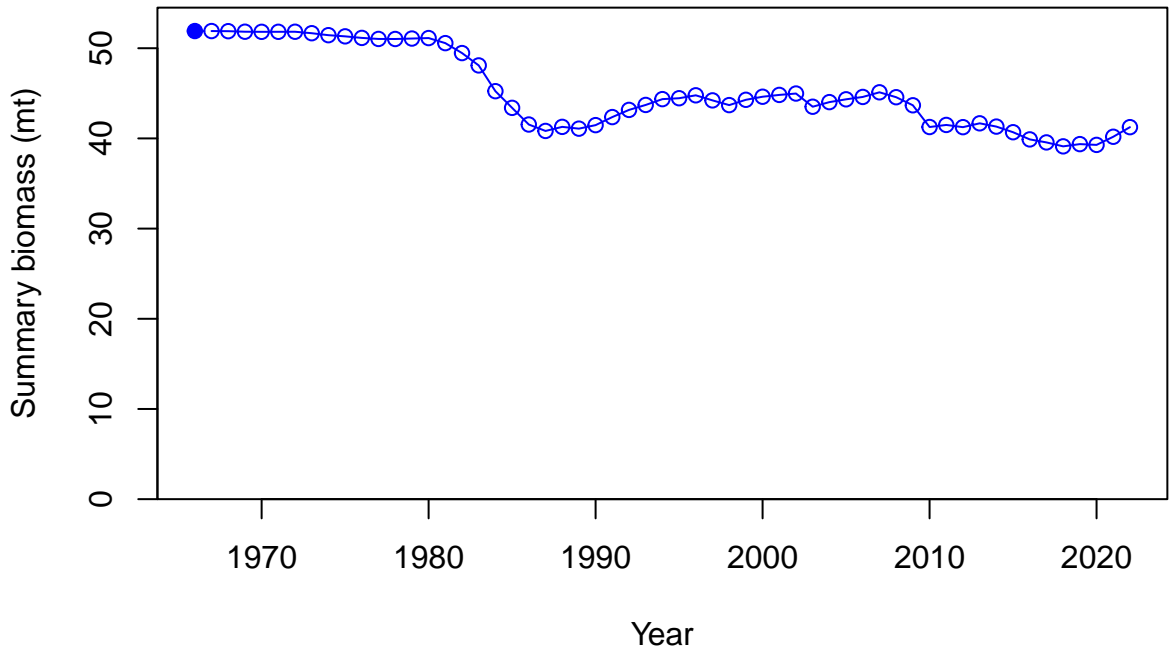
Relative spawning biomass: B/B_{MSY}



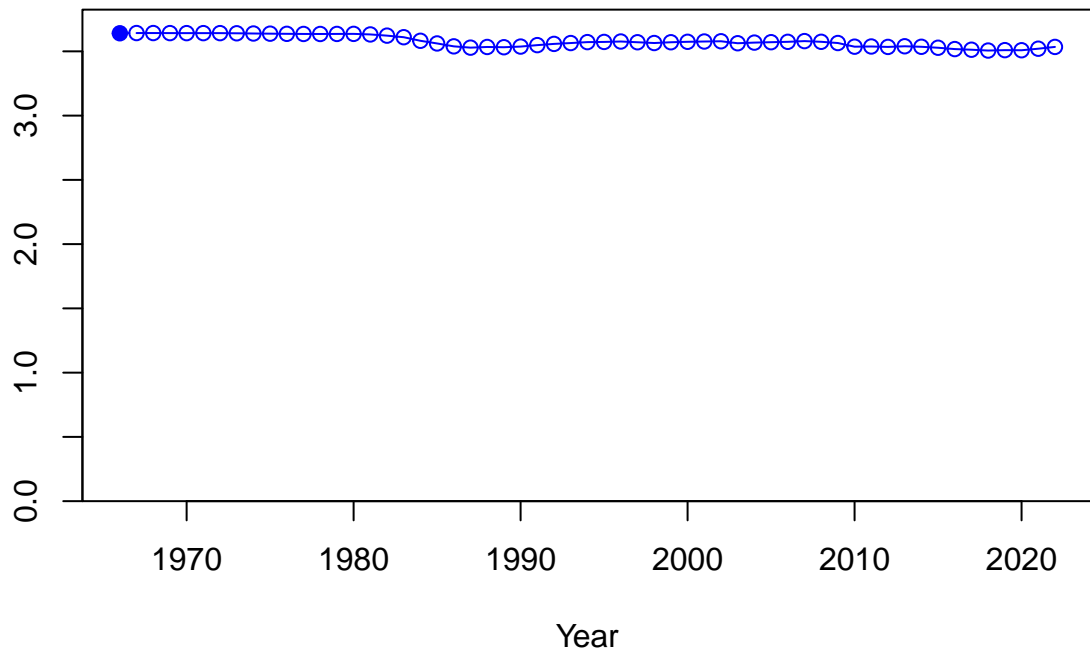
Relative spawning biomass: B/B_{MSY}



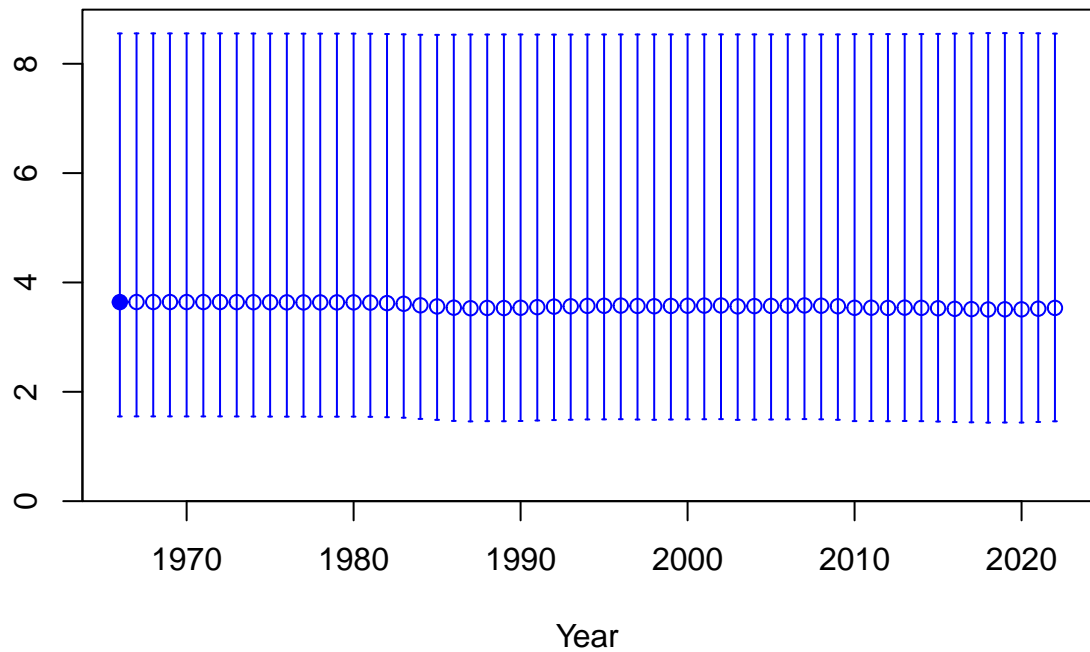




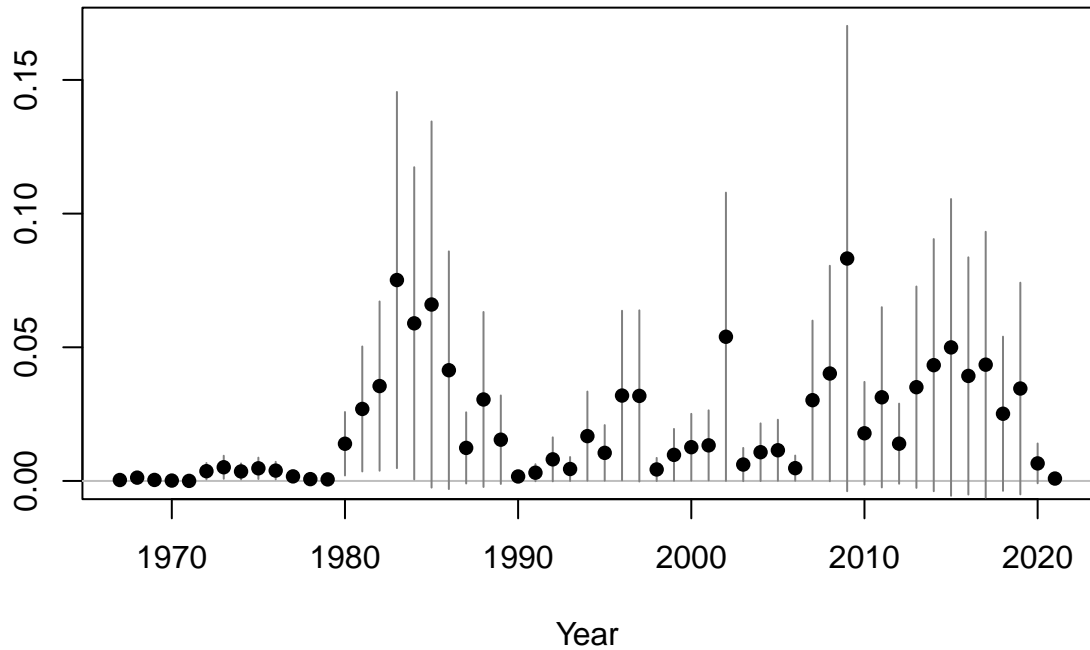
Age-0 recruits (1,000s)

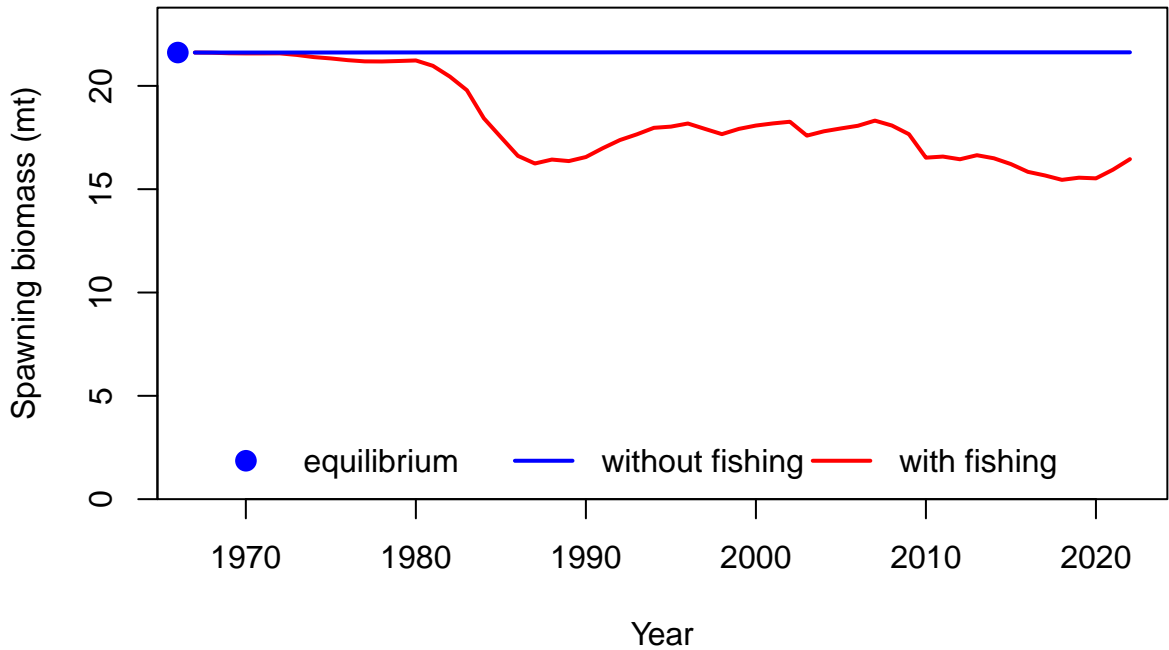


Age-0 recruits (1,000s)

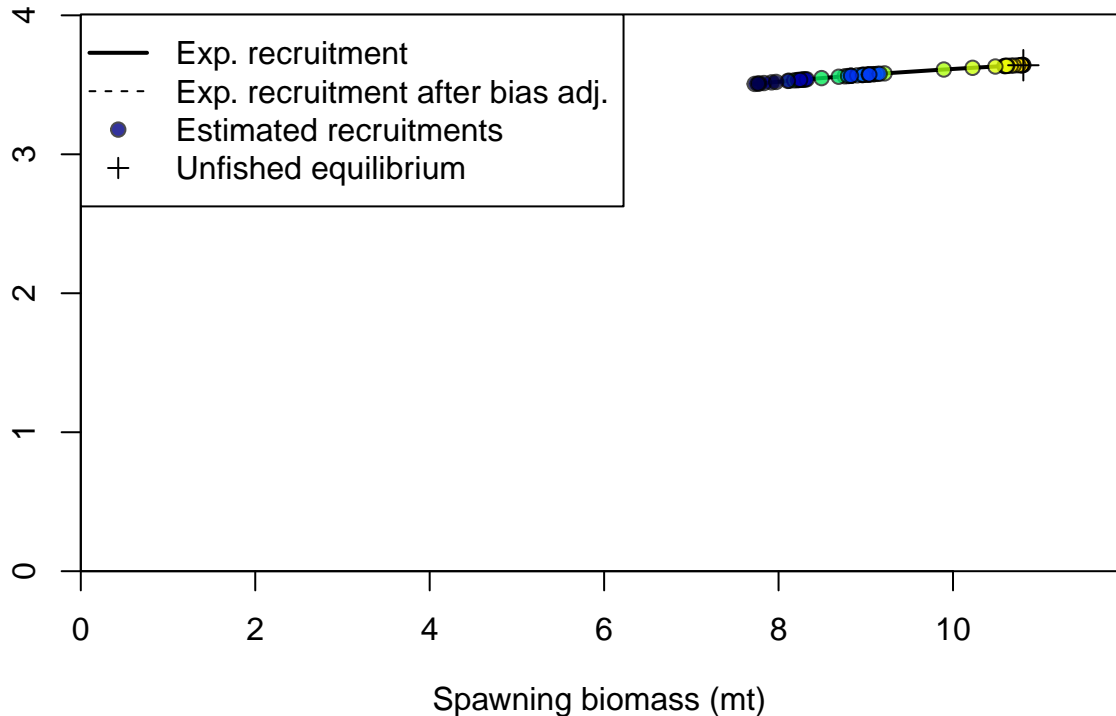


Summary Fishing Mortality

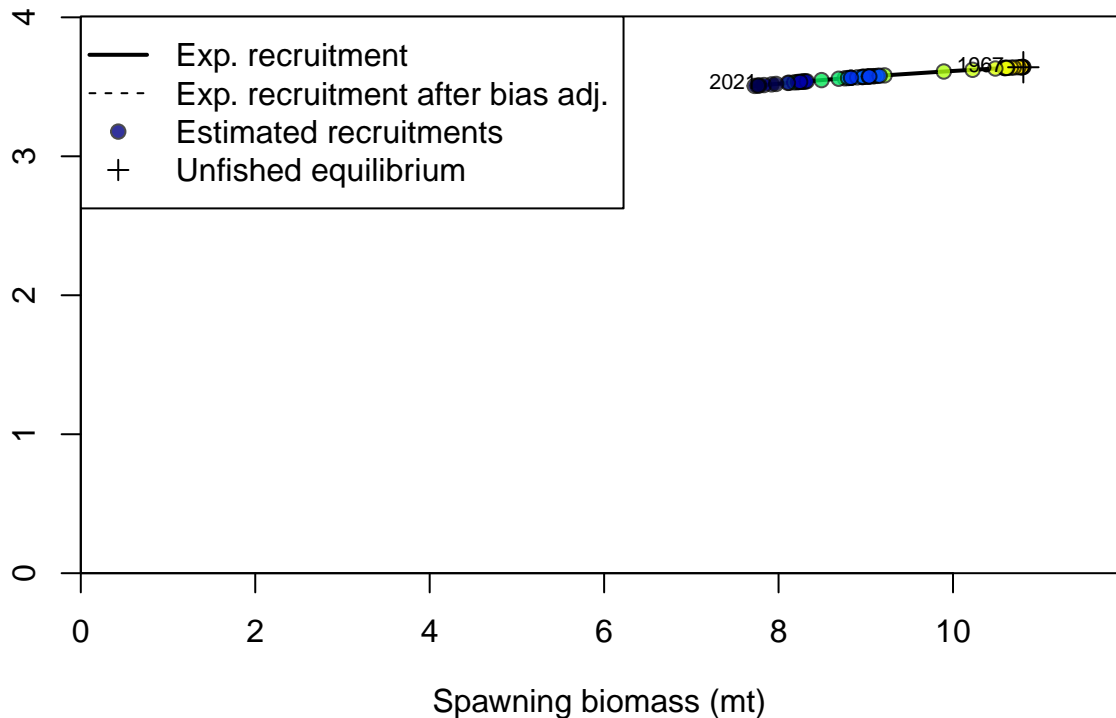


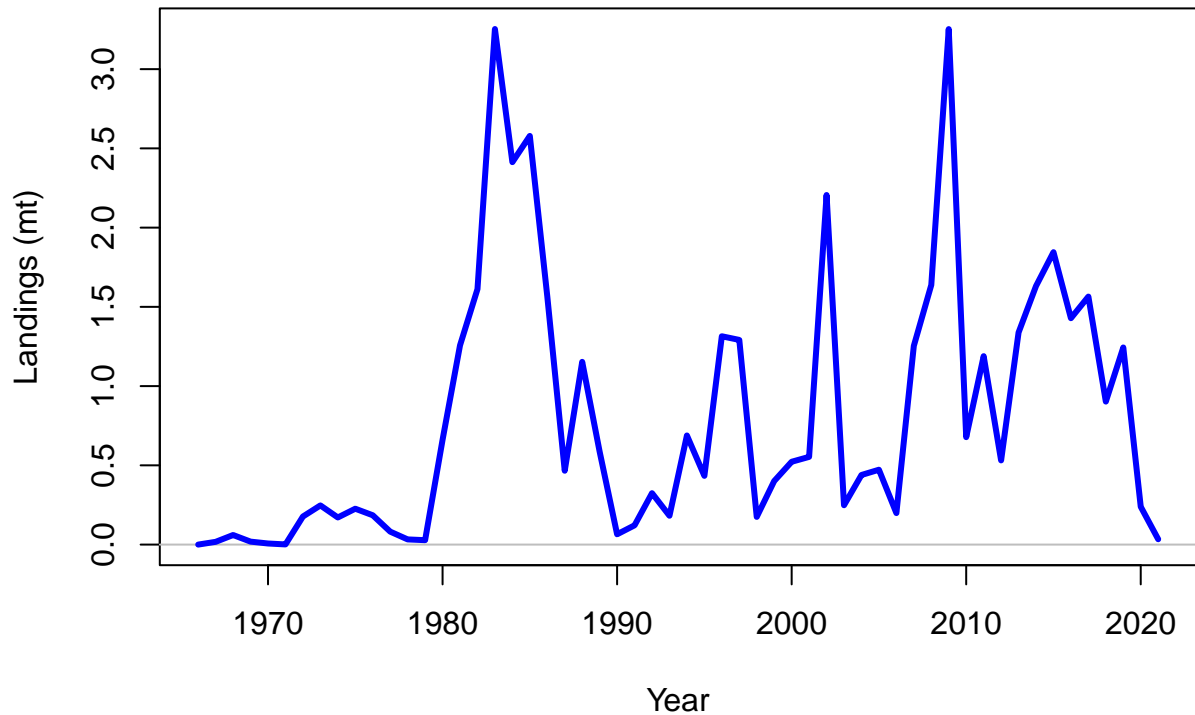


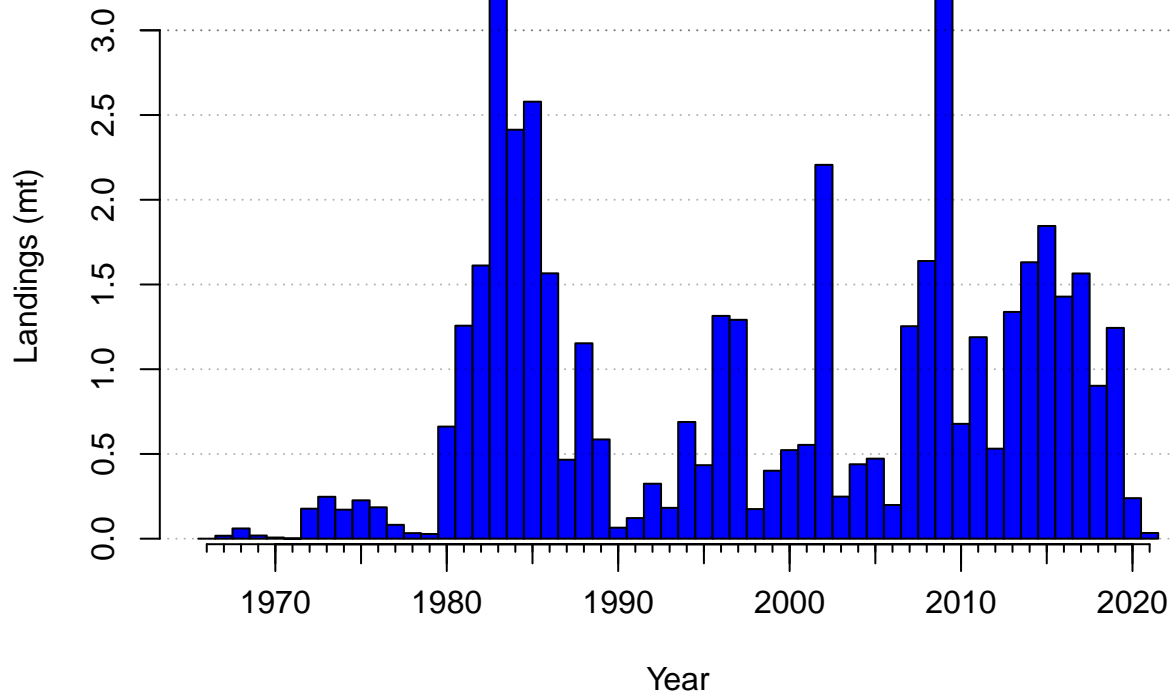
Recruitment (1,000s)

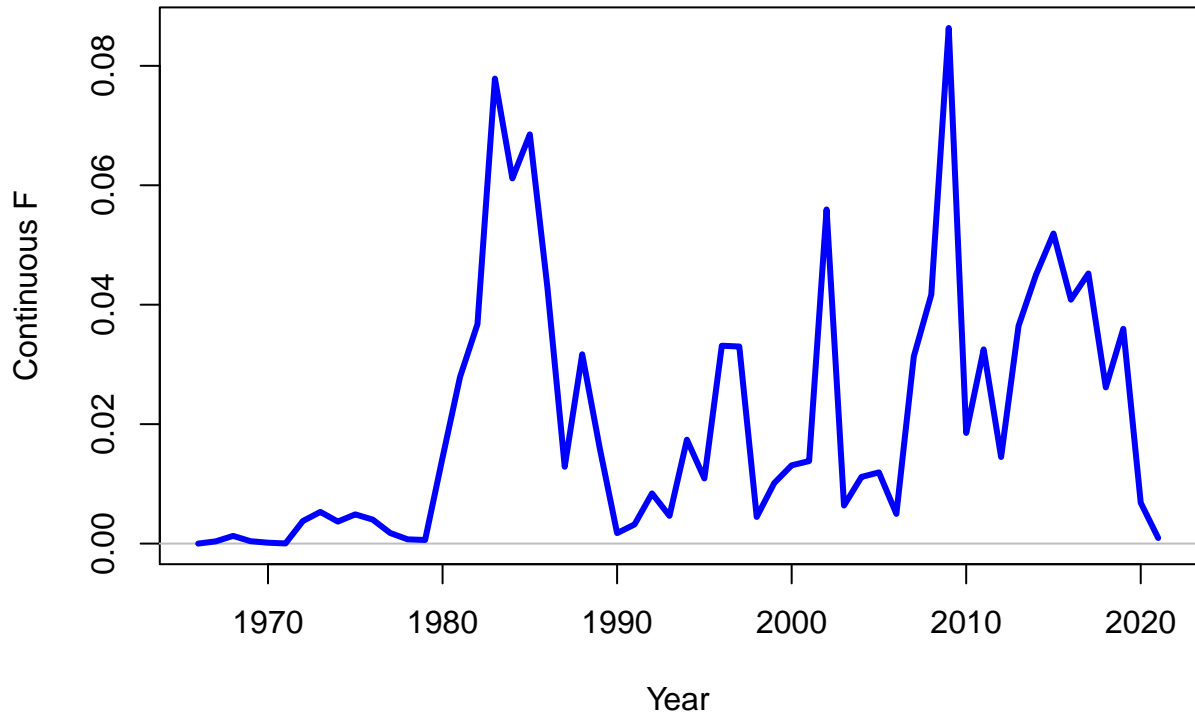


Recruitment (1,000s)

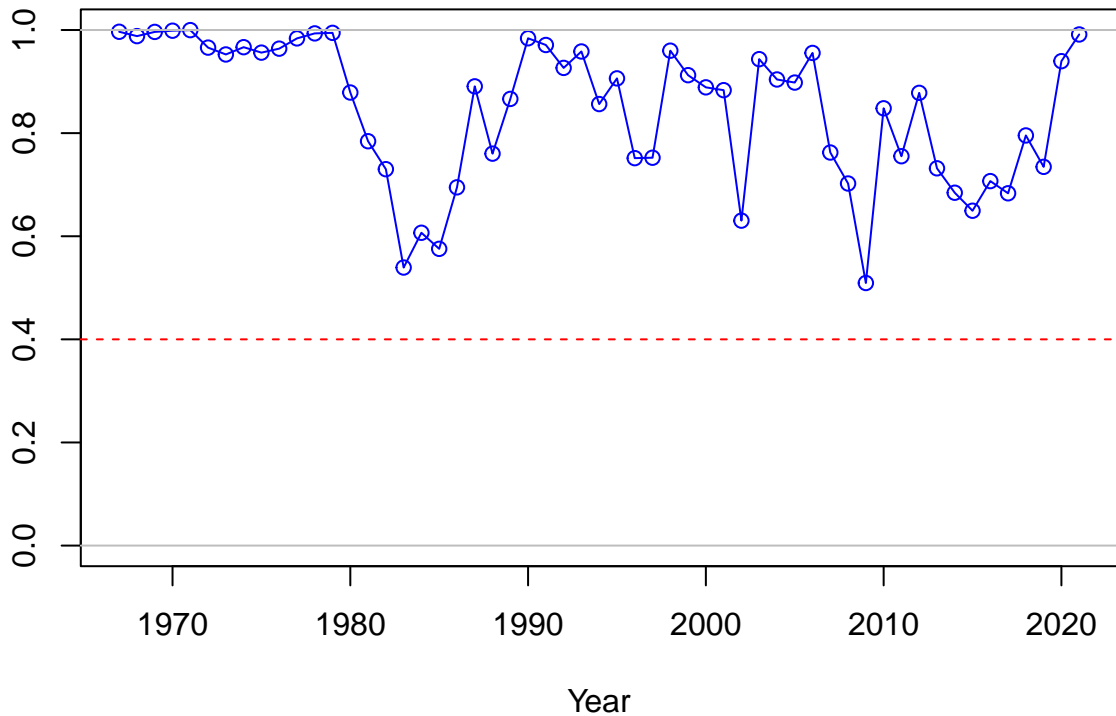




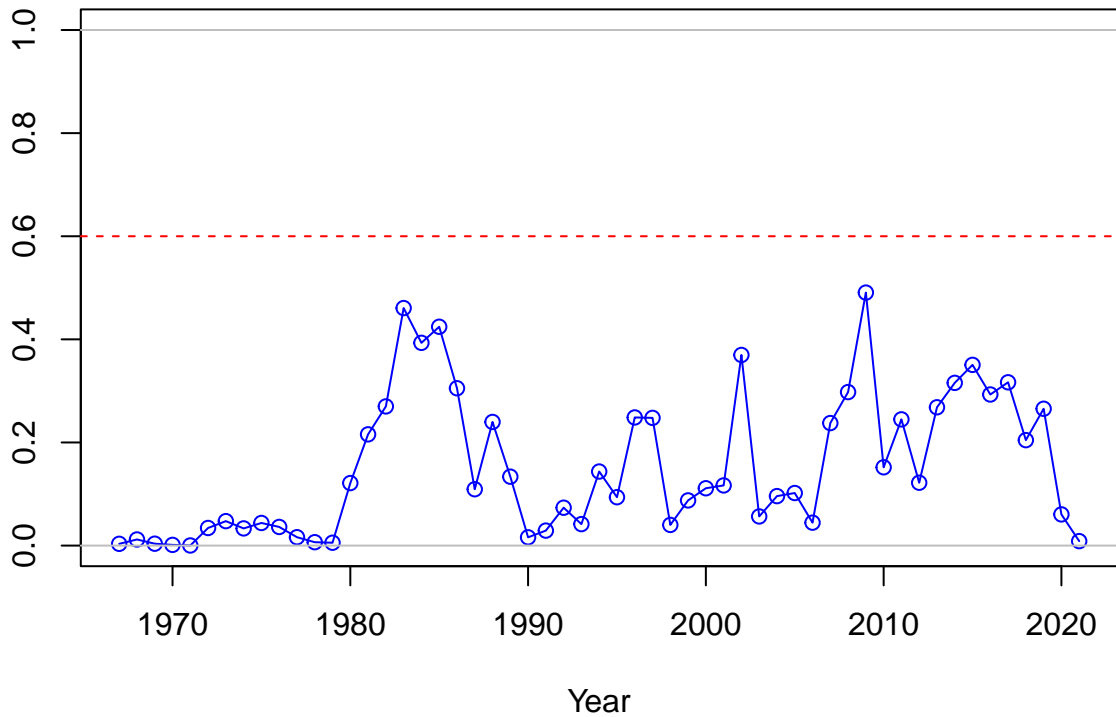




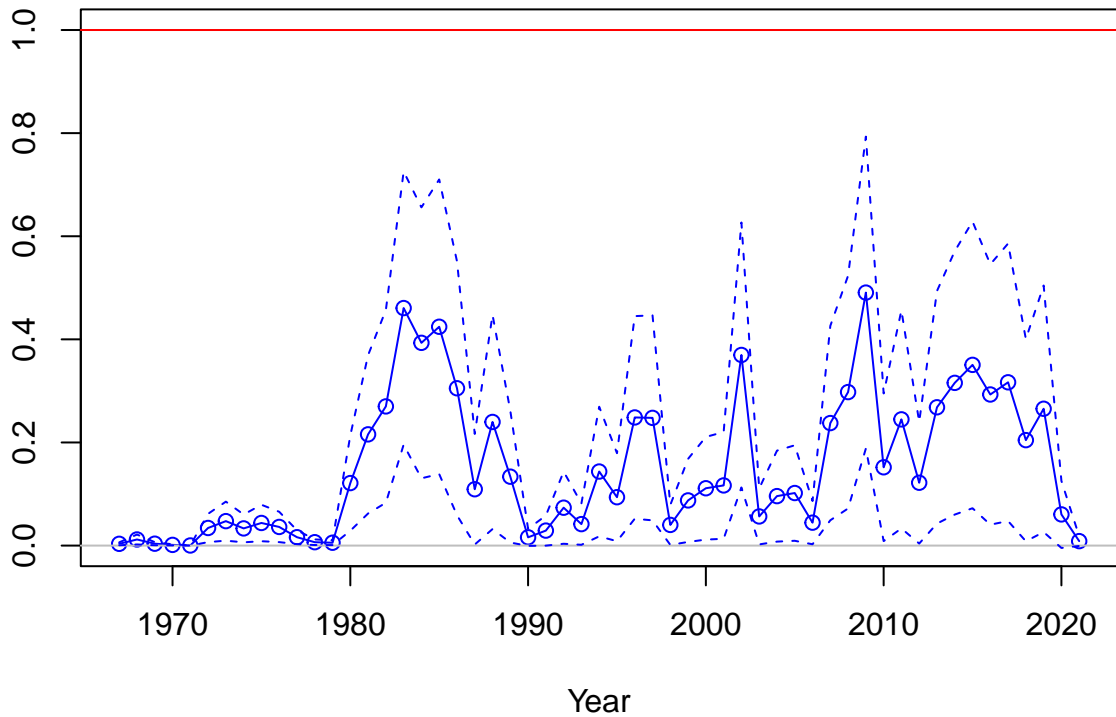
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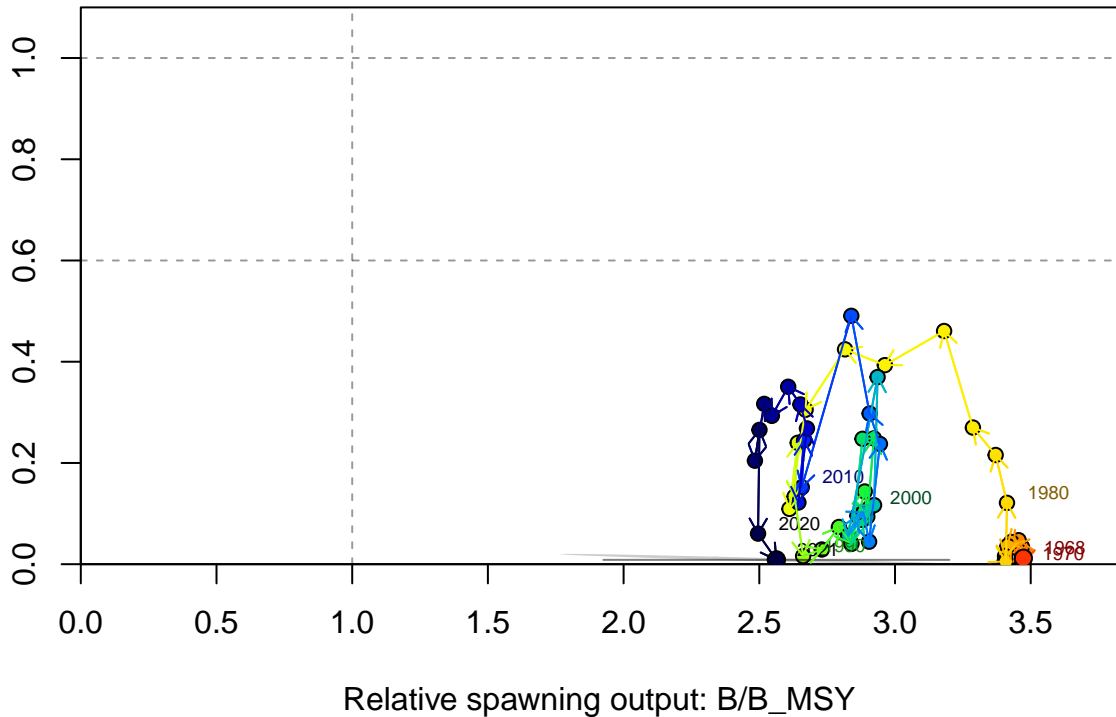
1-SPR



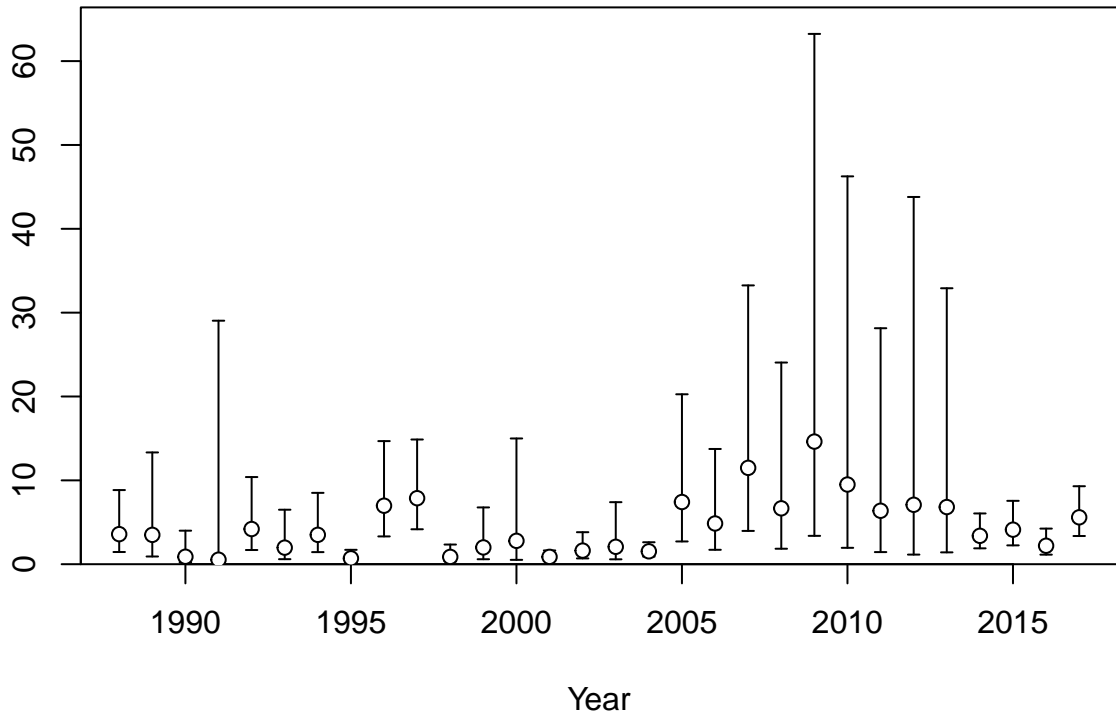
Fishing intensity: 1-SPR



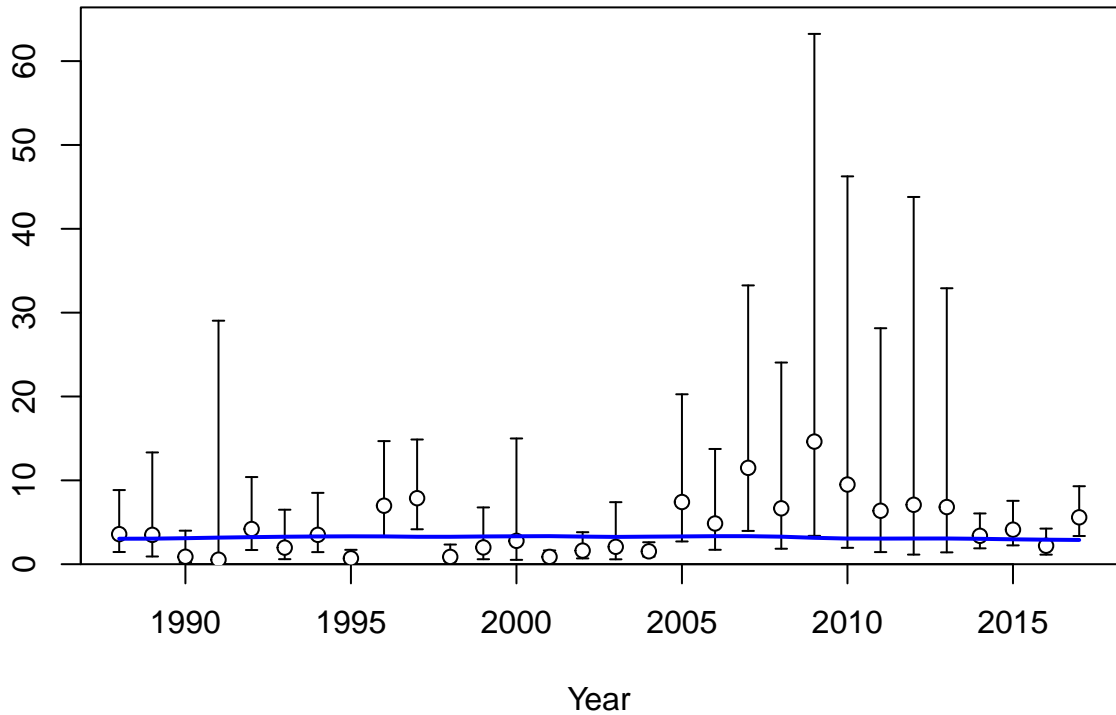
Fishing intensity: 1-SPR

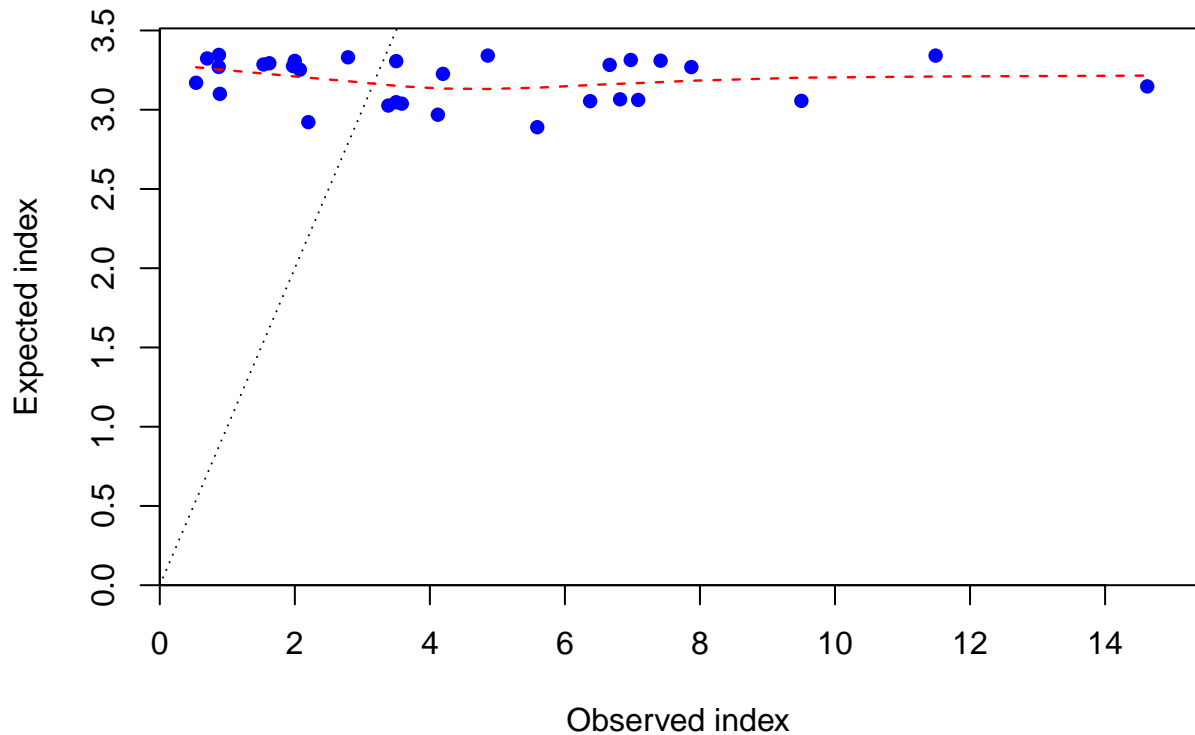


Index



Index





Log index

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2
0
-2
-4

1990

1995

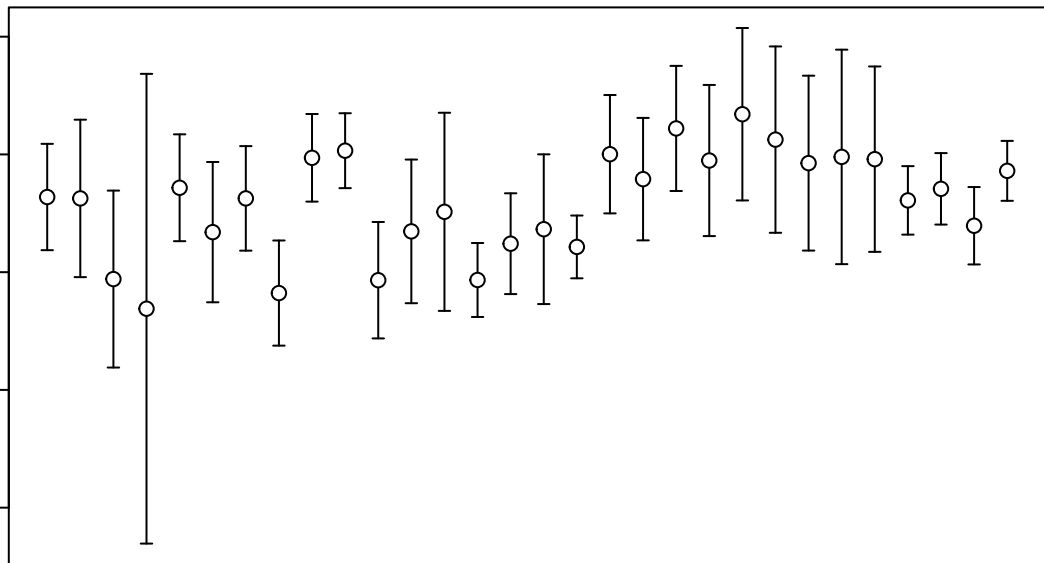
2000

2005

2010

2015

Year



Log index

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0
-2
-4

1990

1995

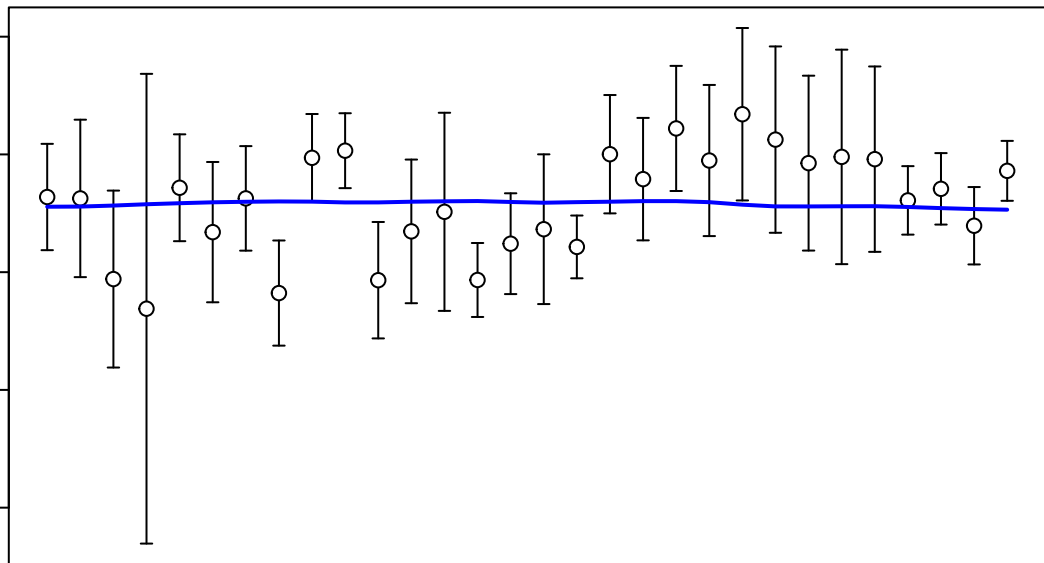
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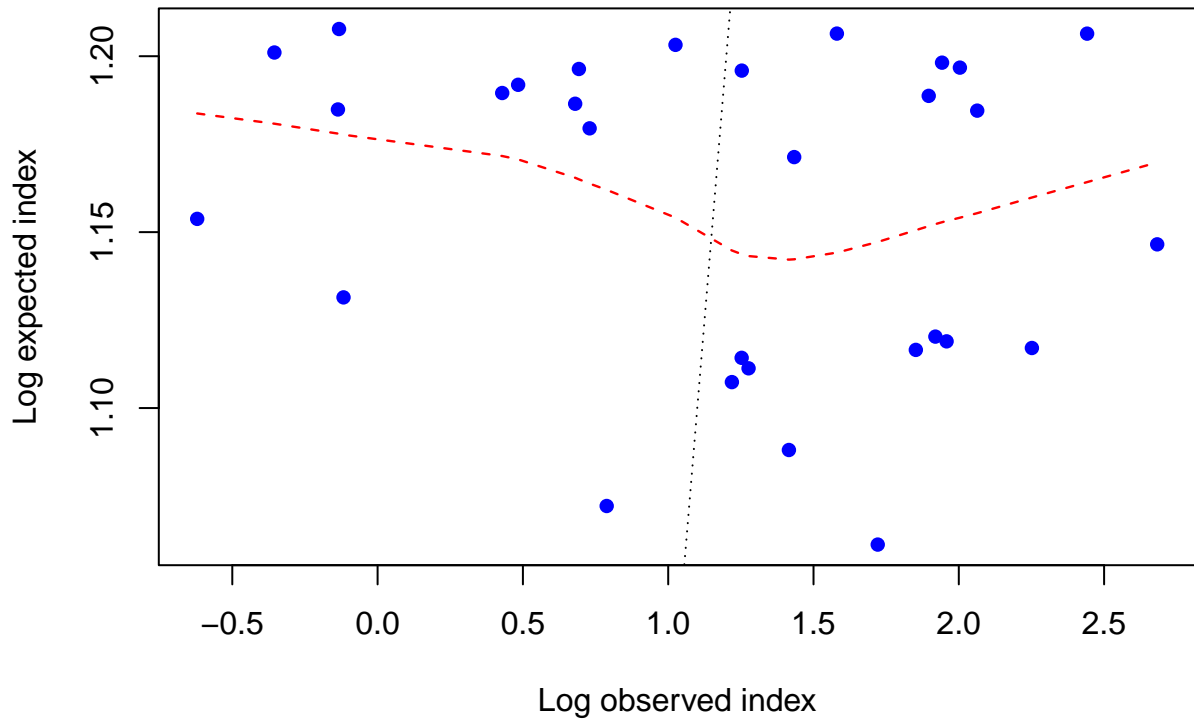
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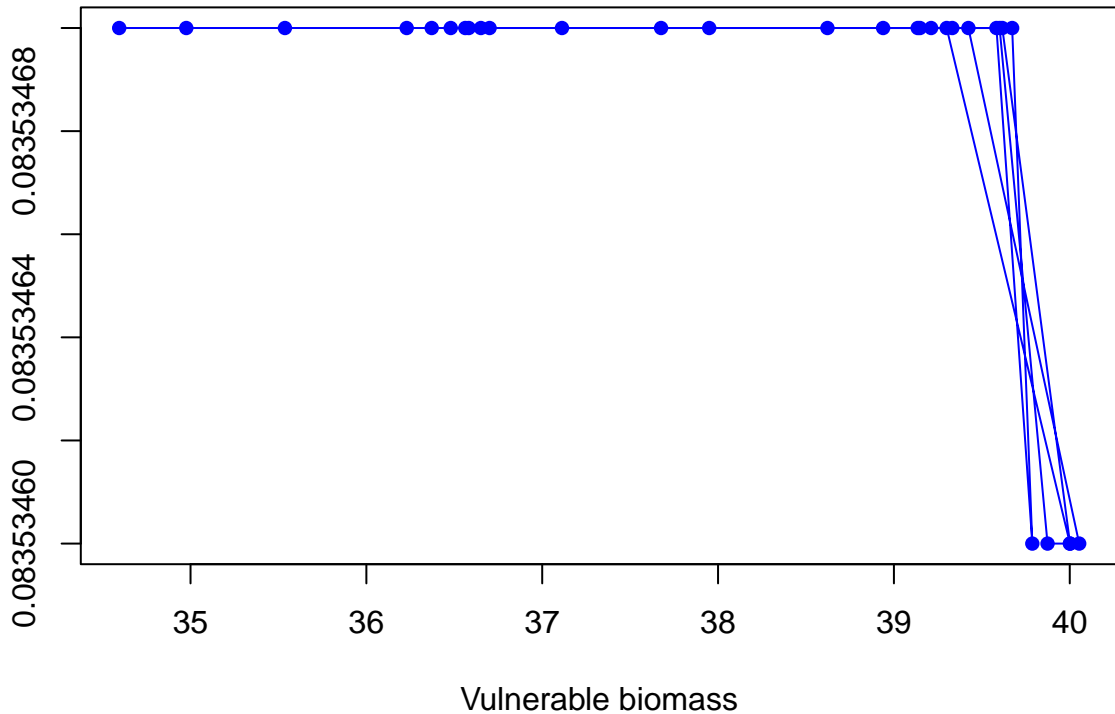
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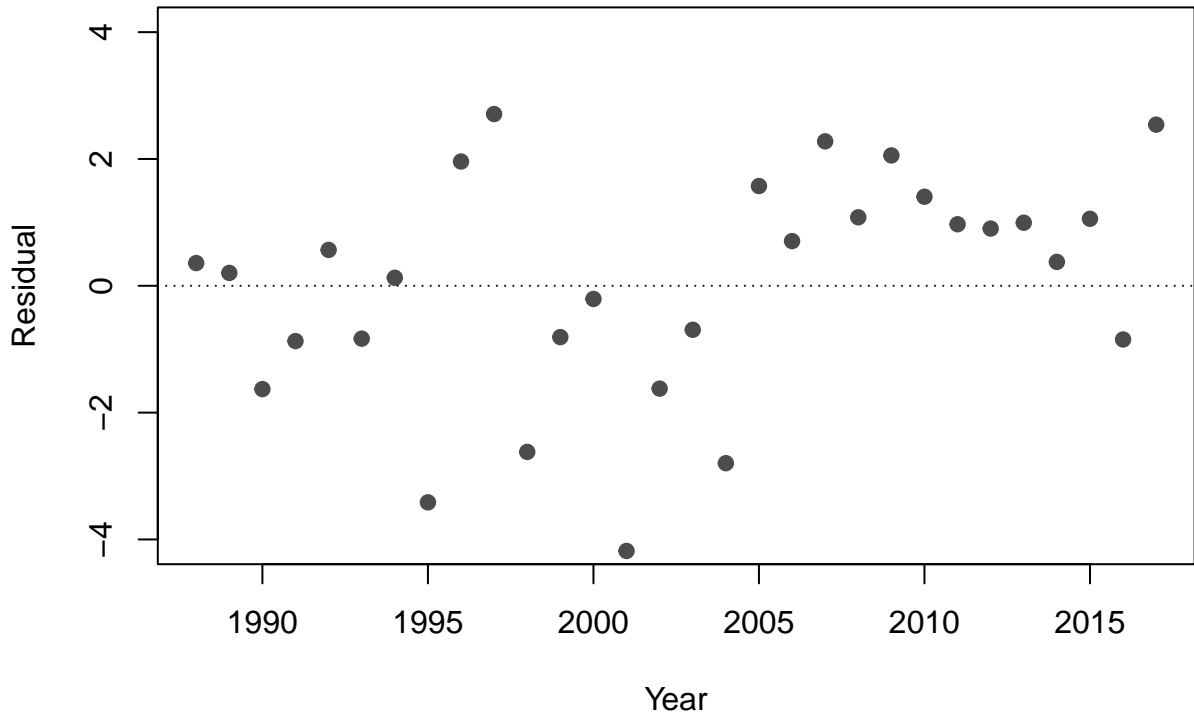
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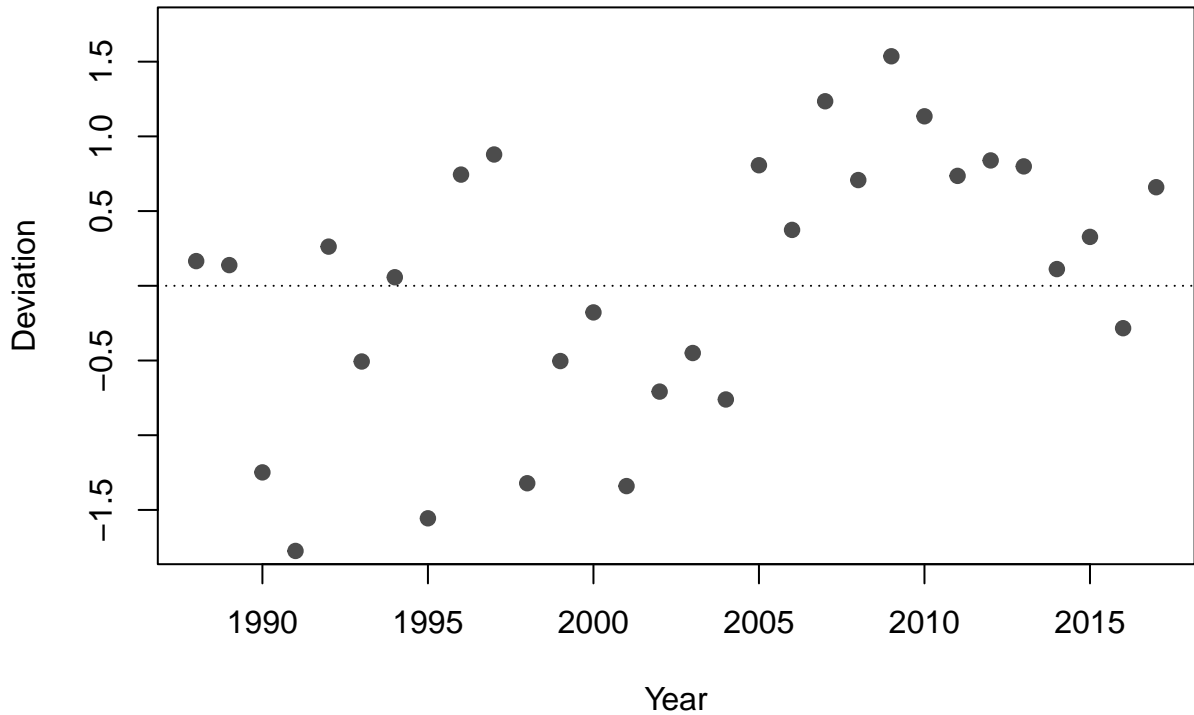


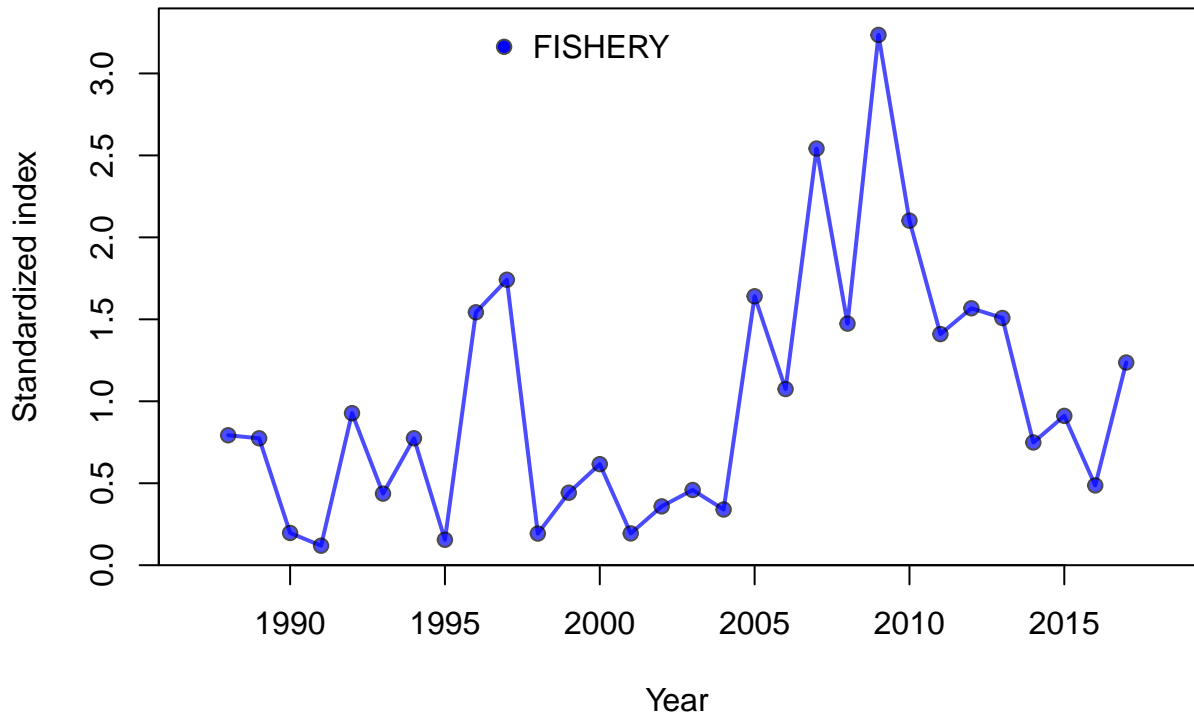


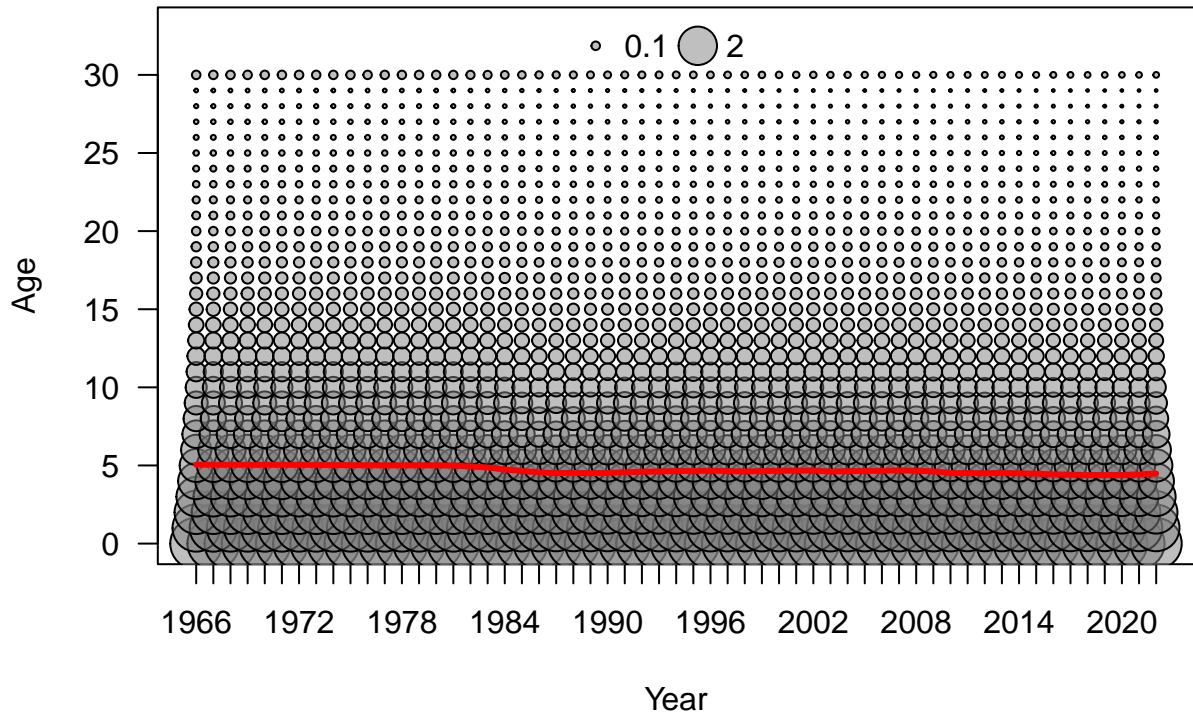
Effective catchability

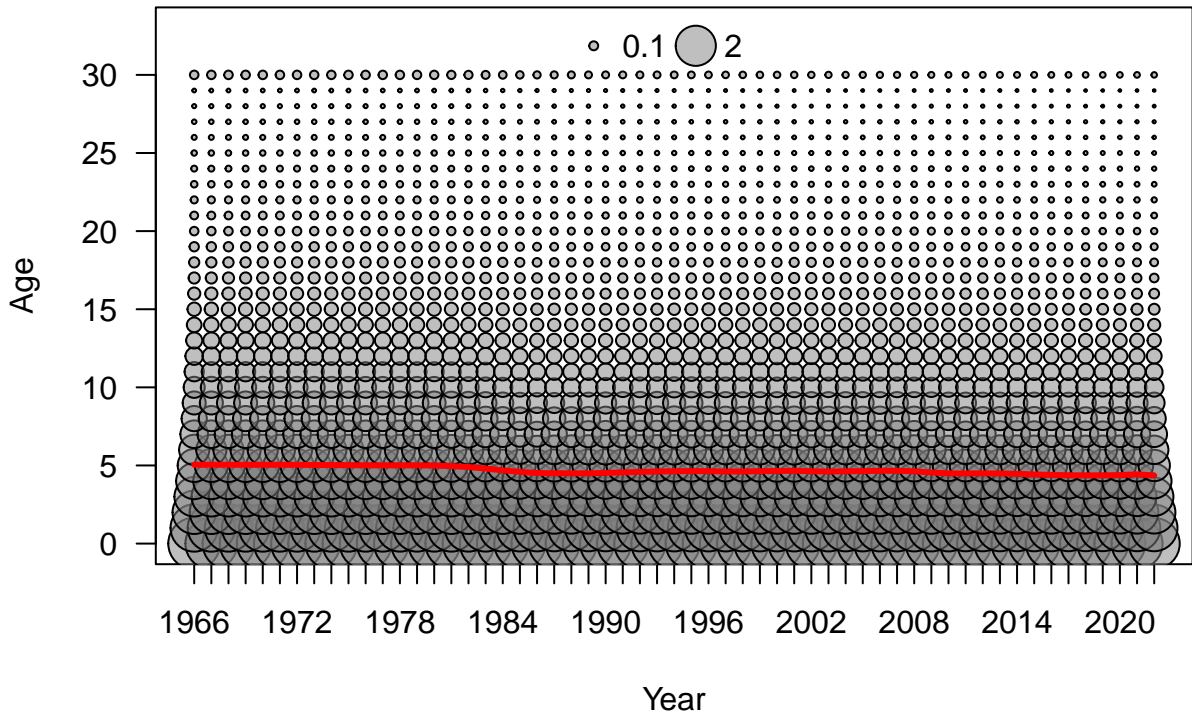


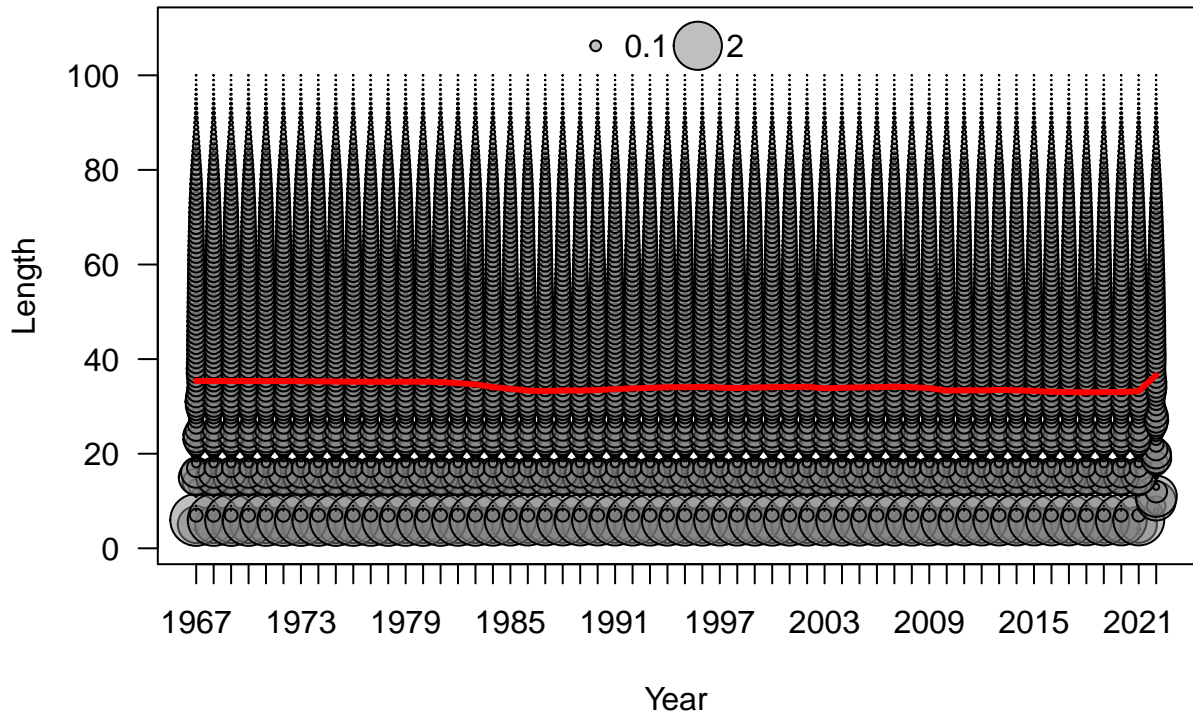


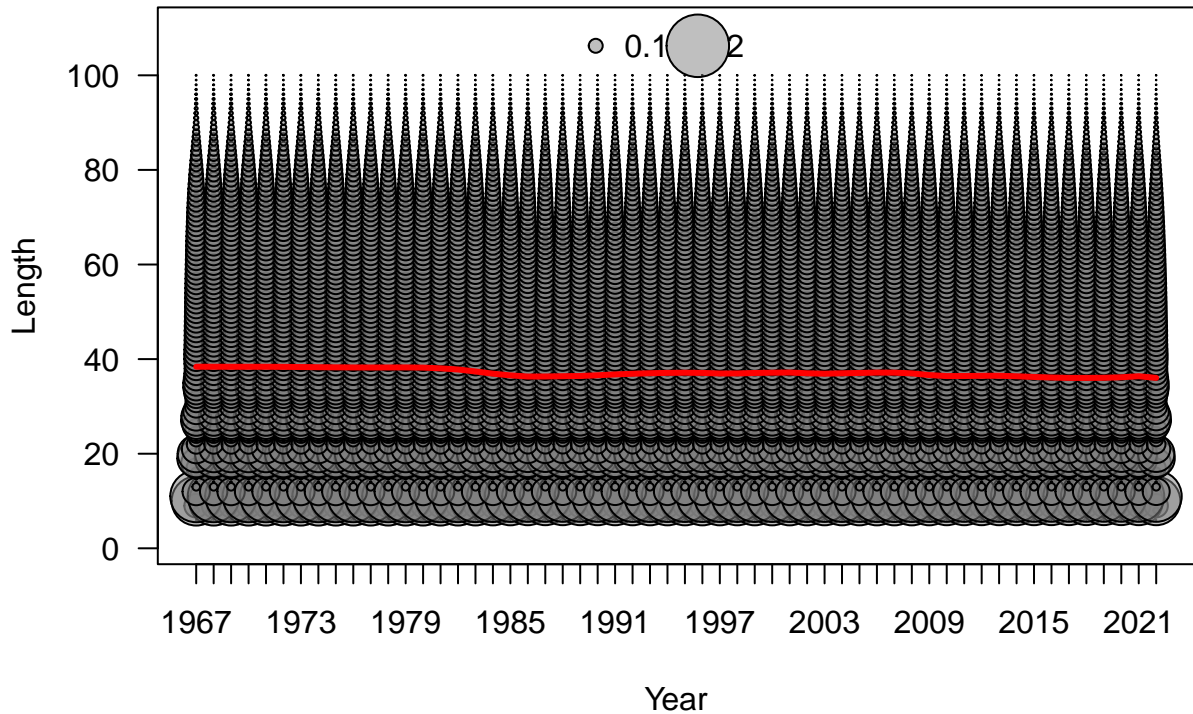


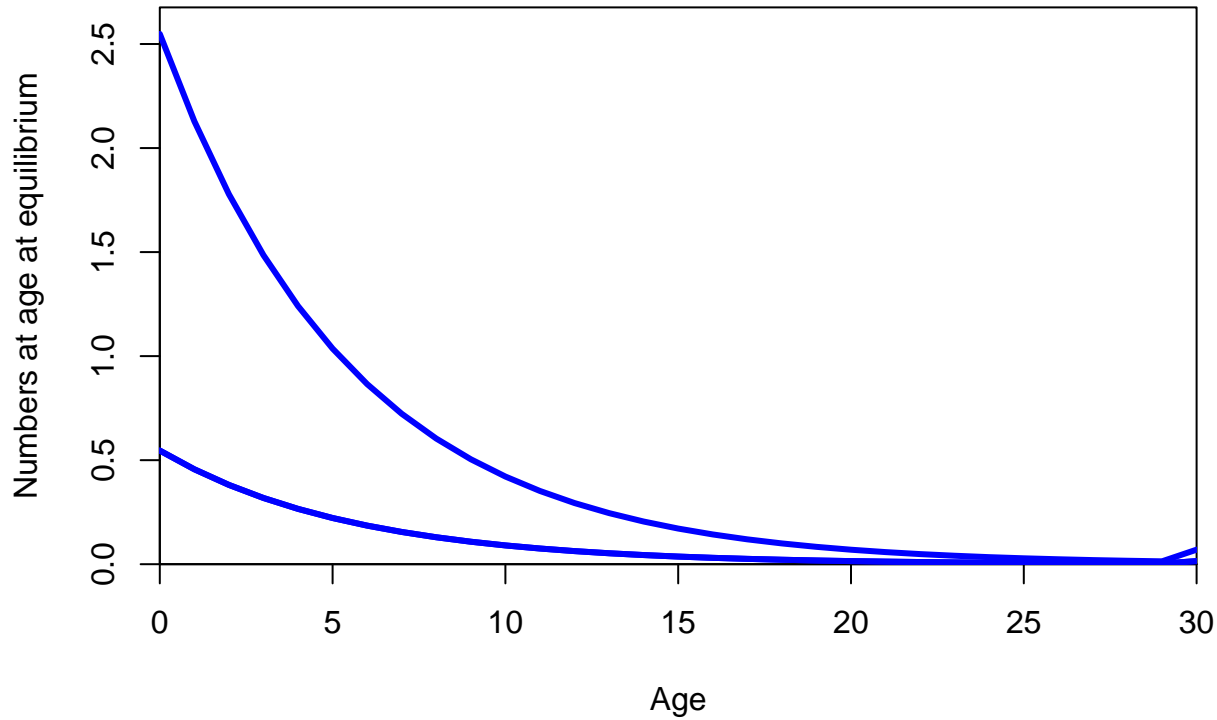






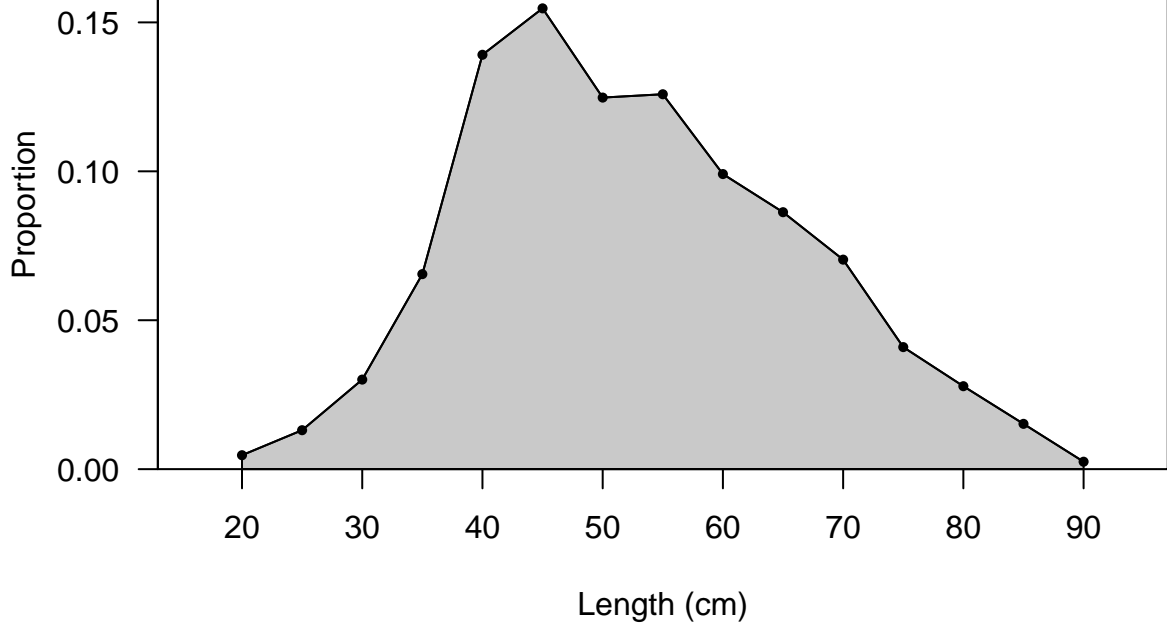






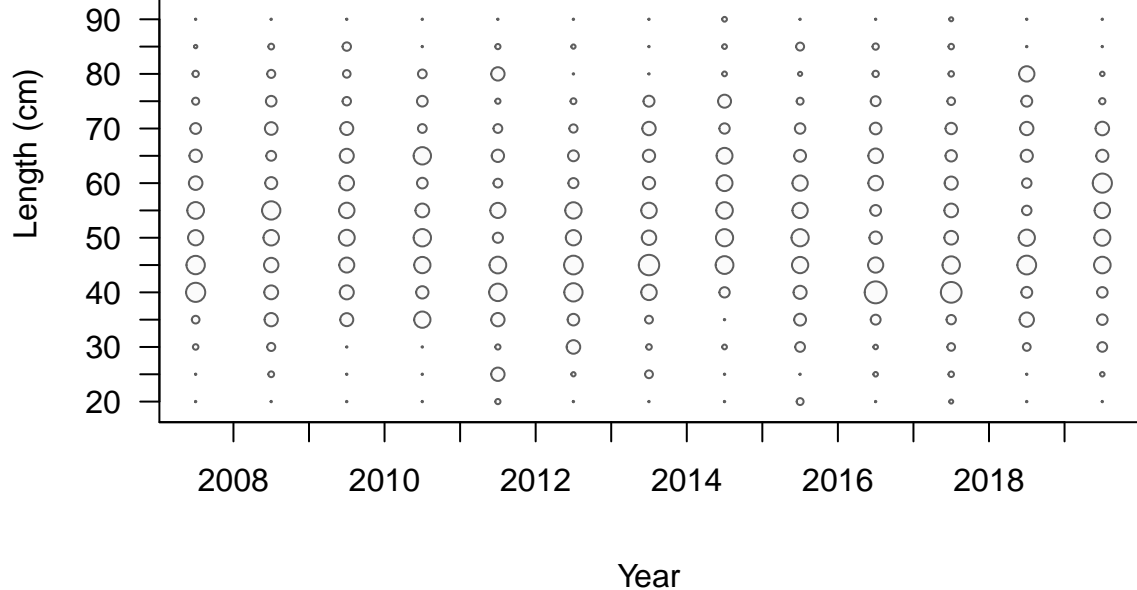
FISHERY

Sum of N input=1078

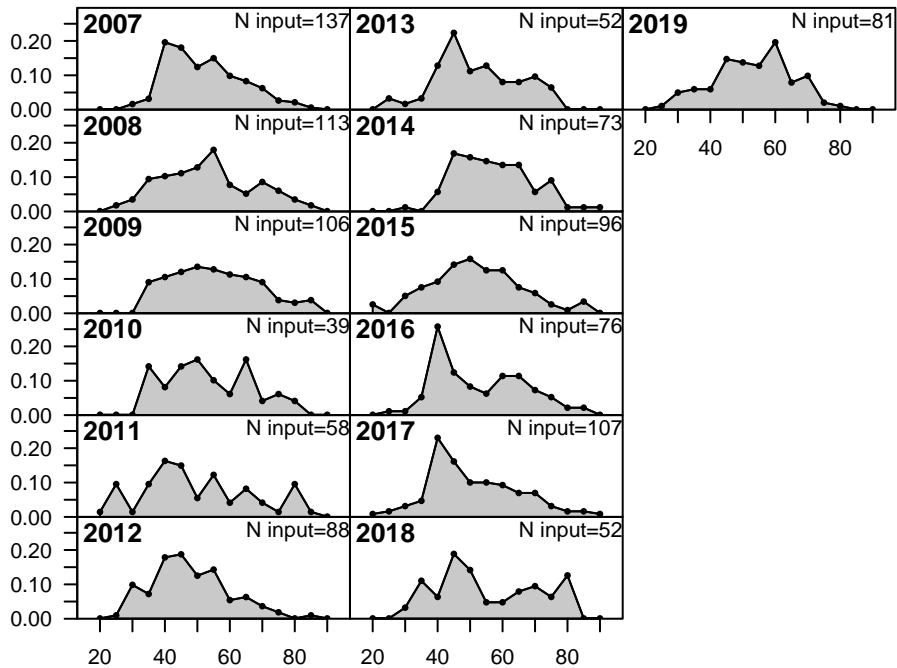


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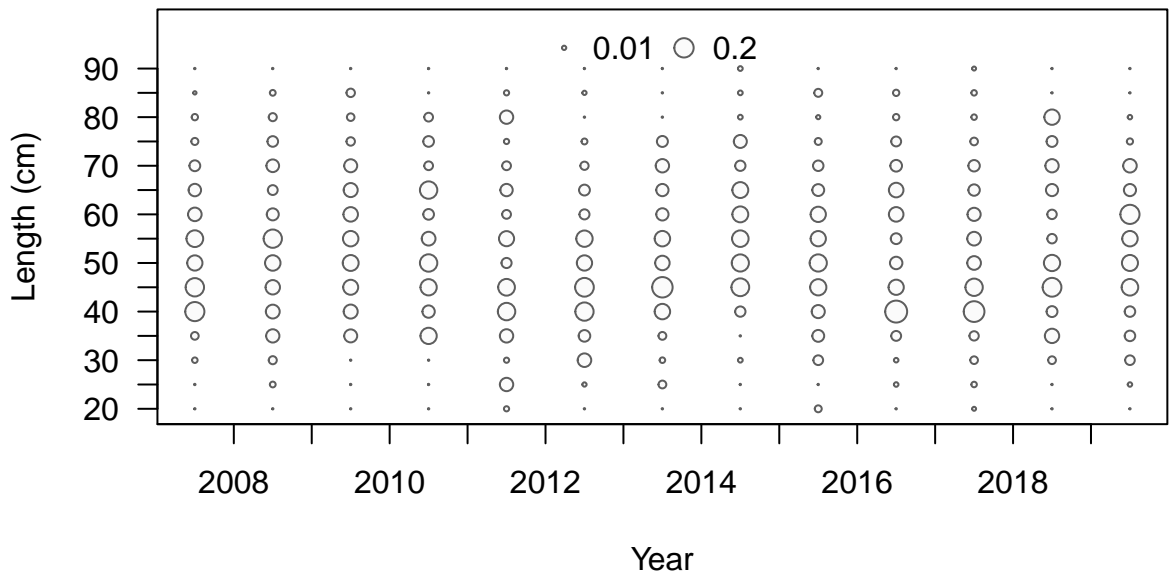
◦ 0.01 ○ 0.2



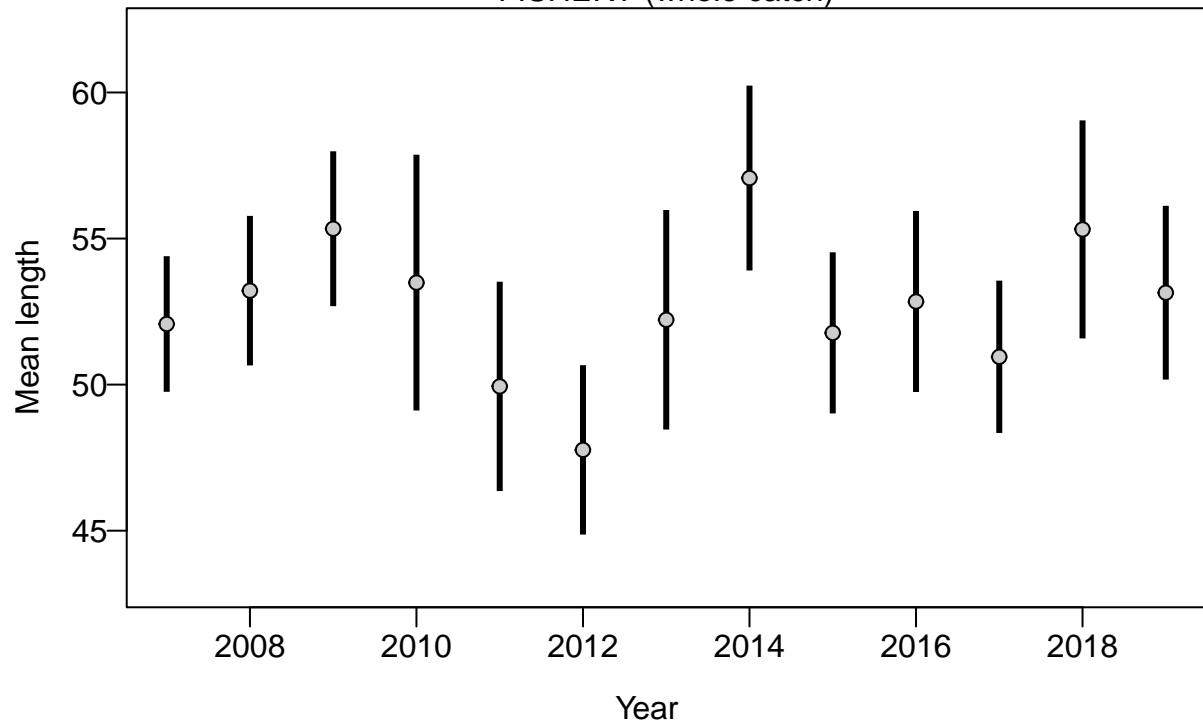
Proportion



Length (cm)

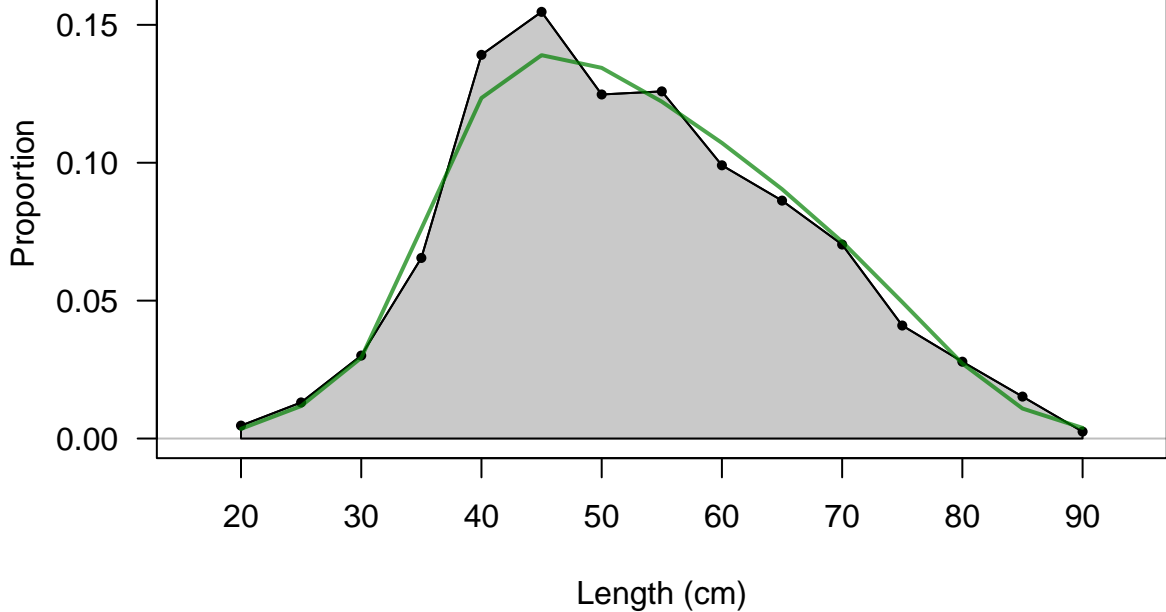


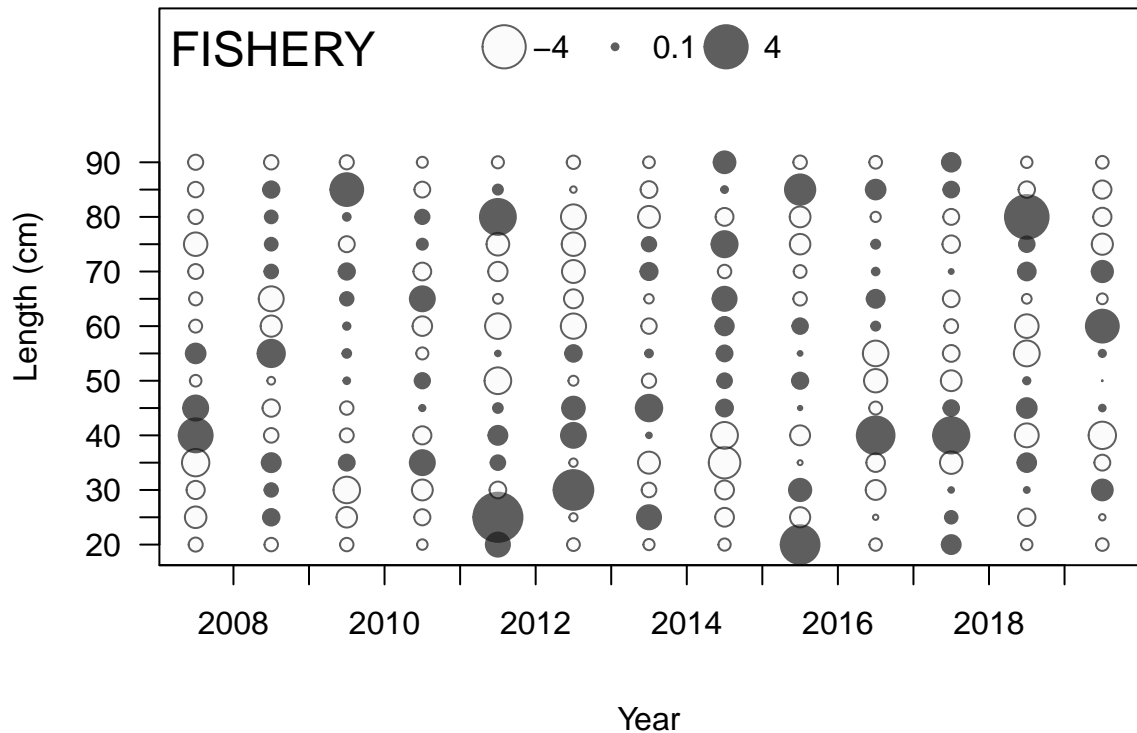
FISHERY (whole catch)

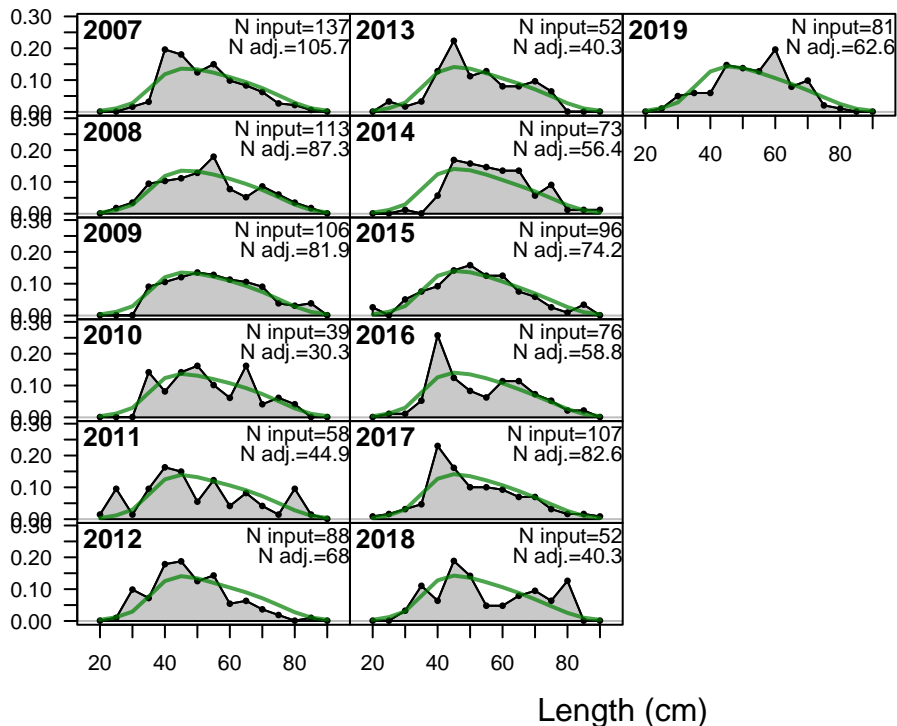


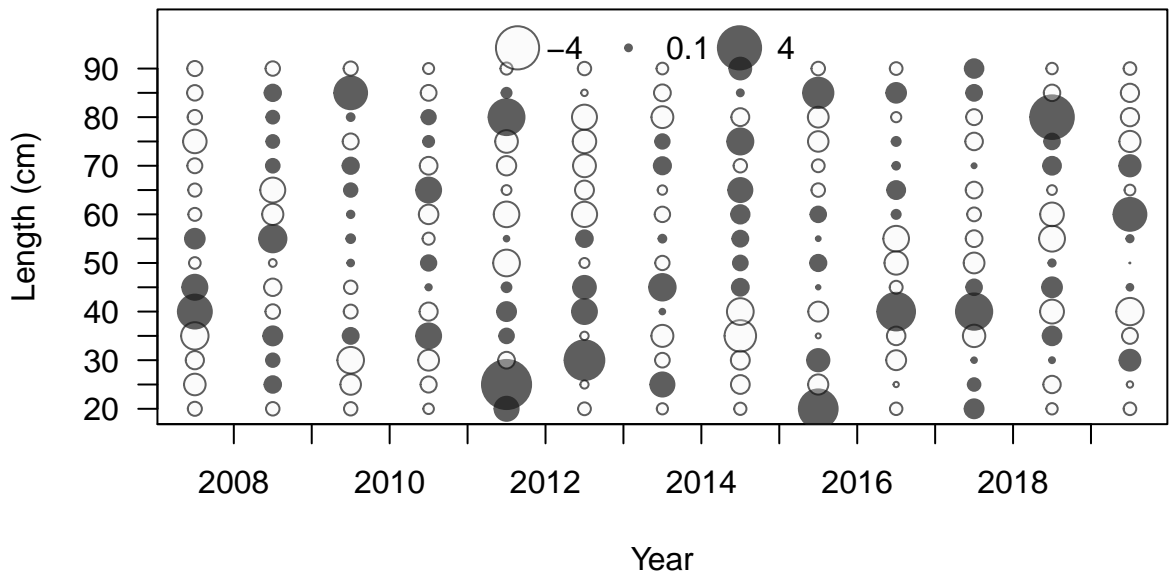
FISHERY

Sum of N input=1078
Sum of N adj.=833.2

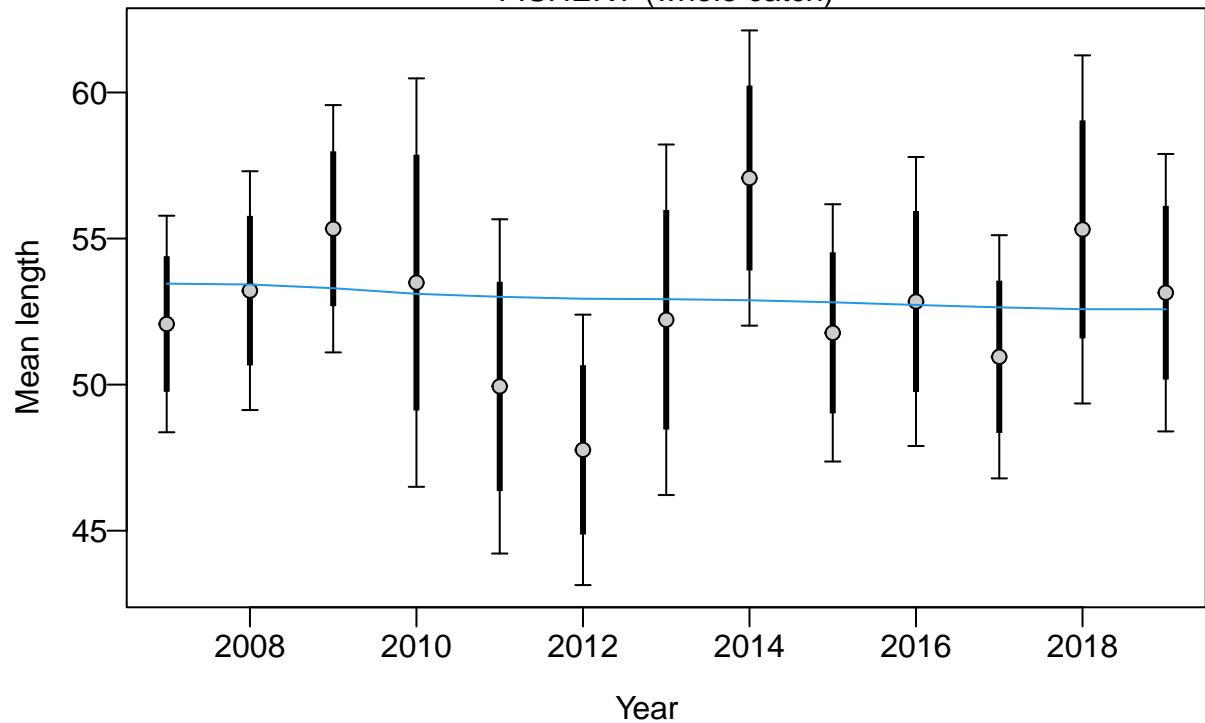


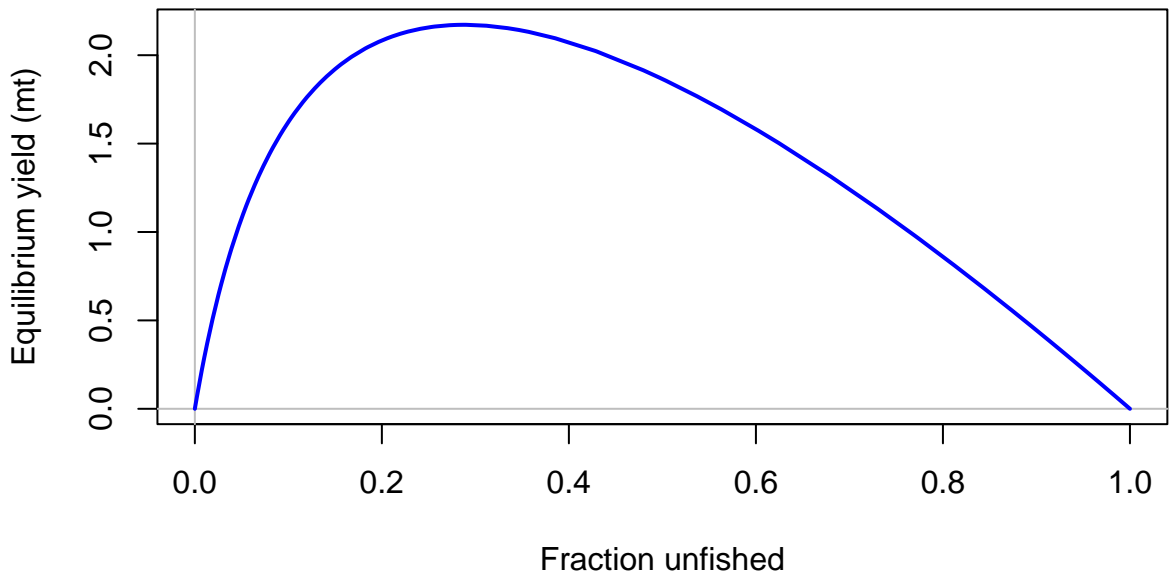


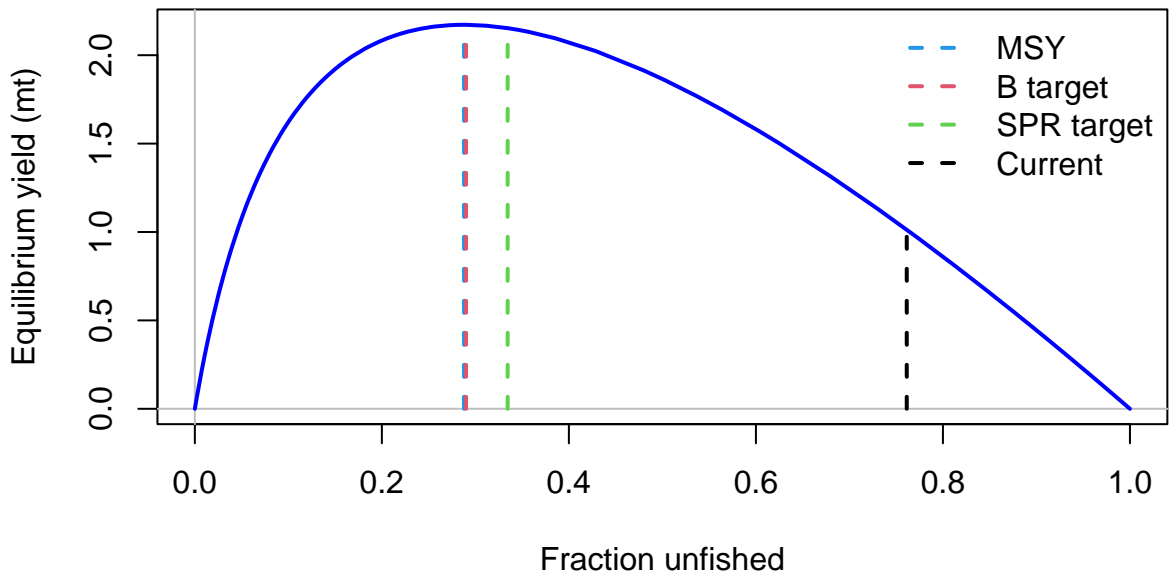


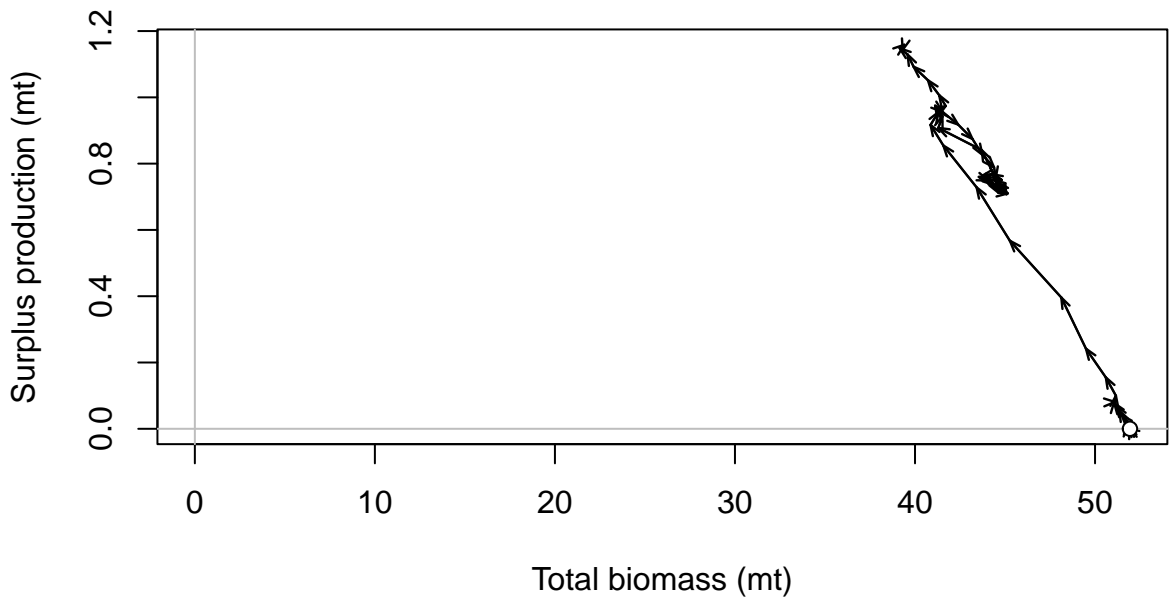


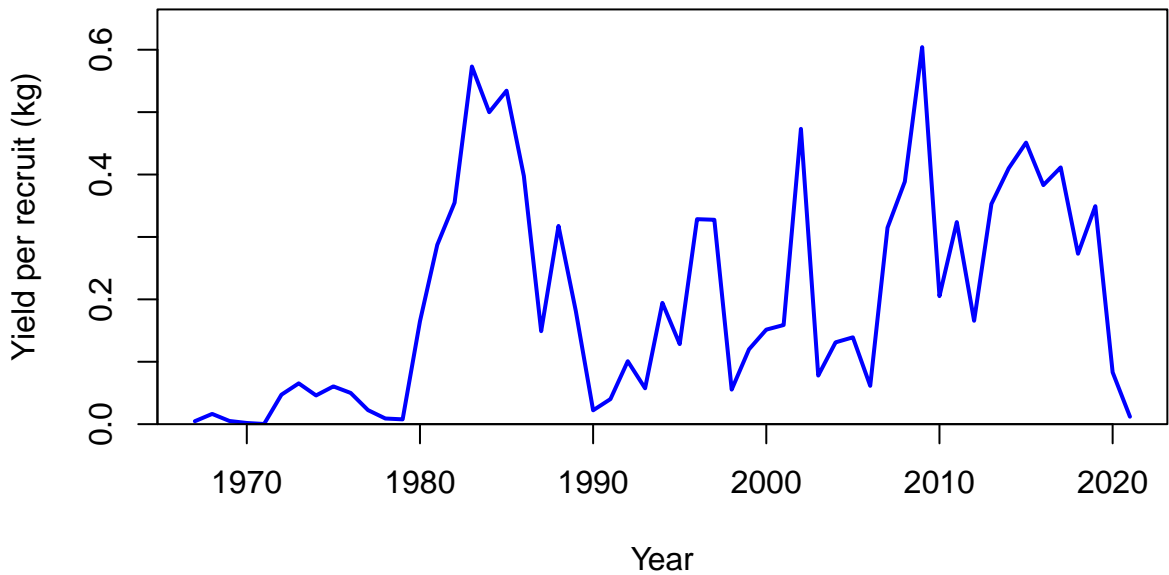
FISHERY (whole catch)

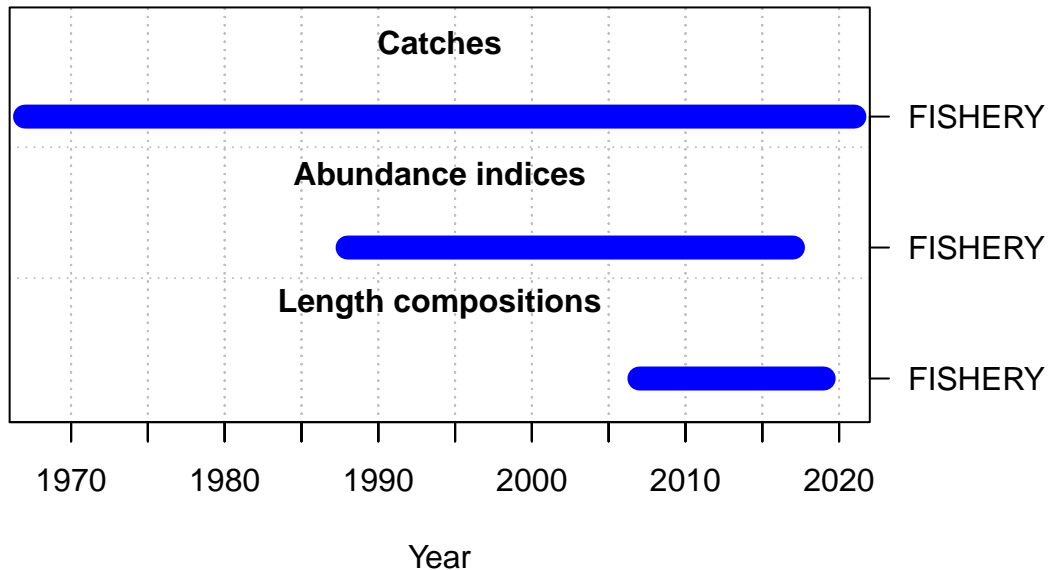


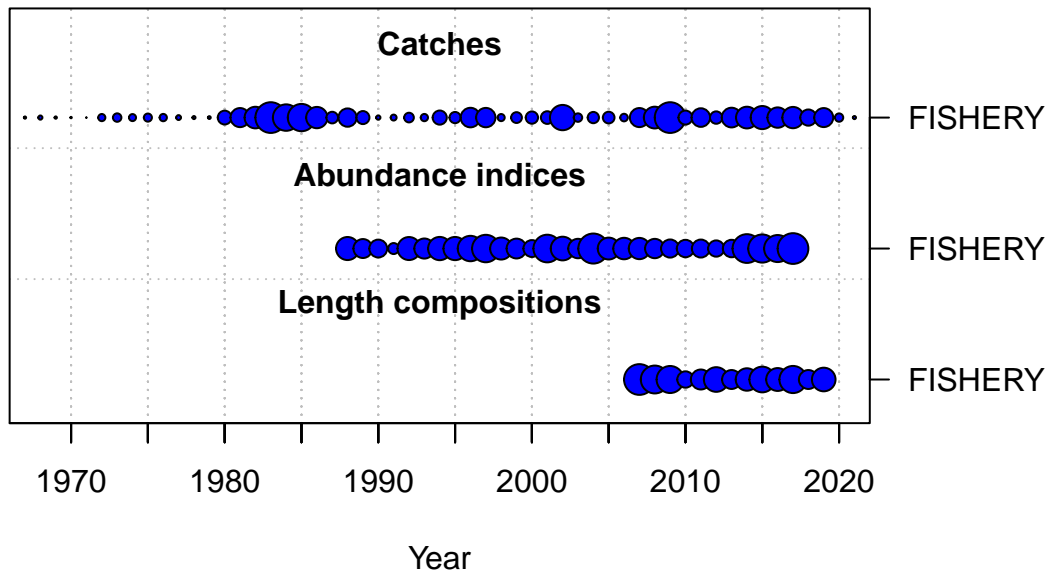


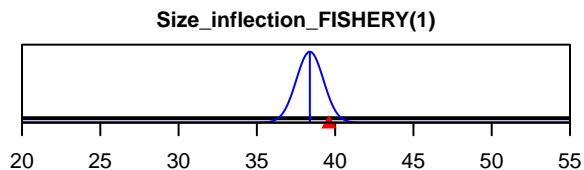
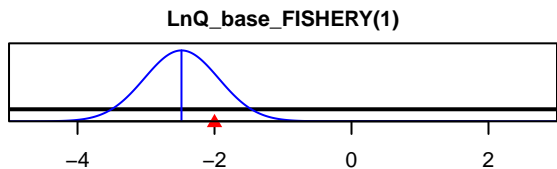
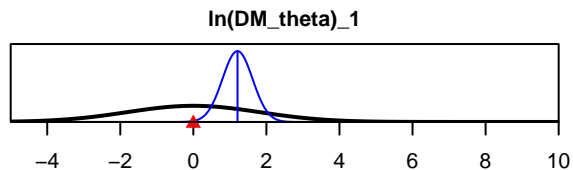
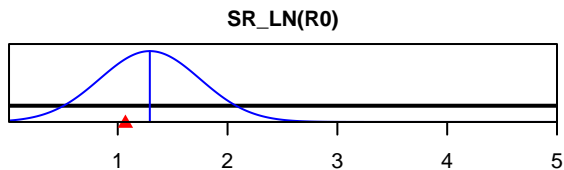
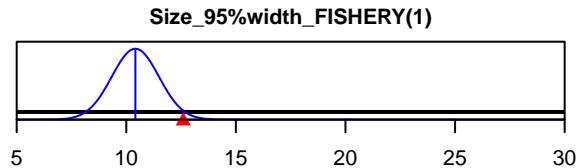
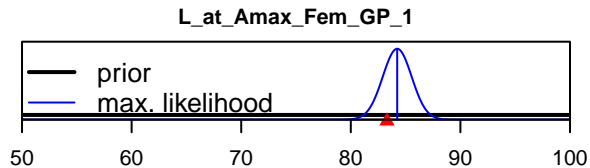












Parameter value