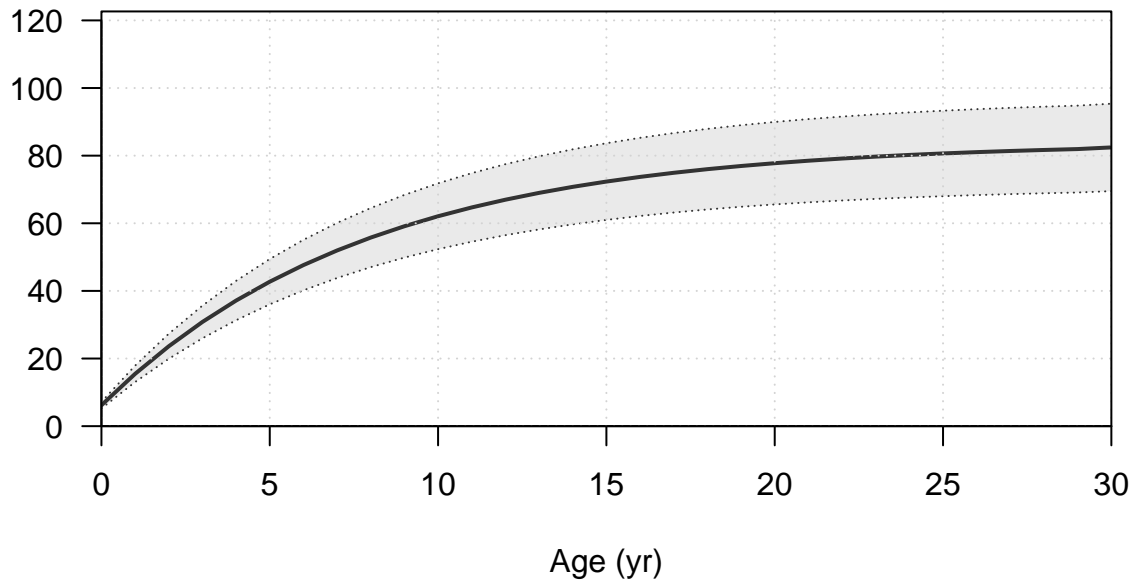
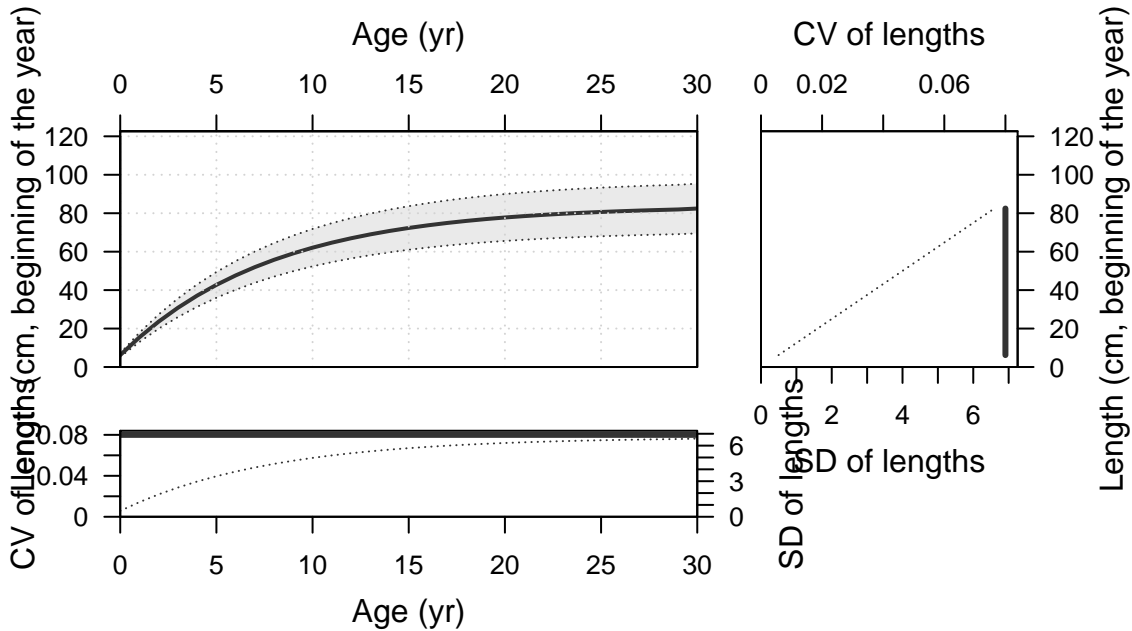
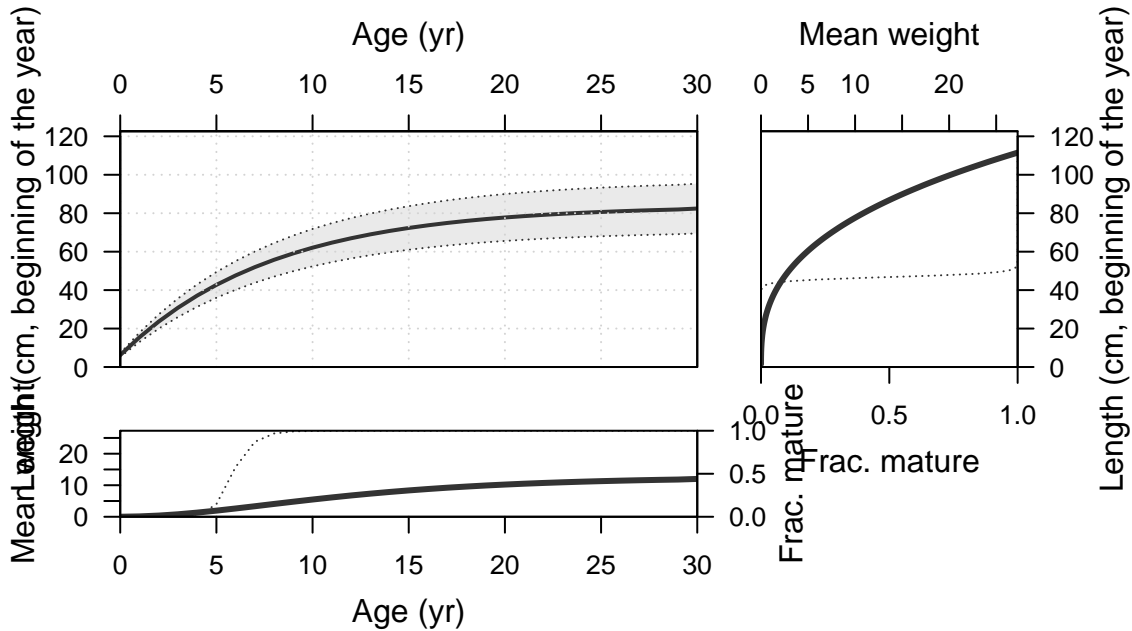


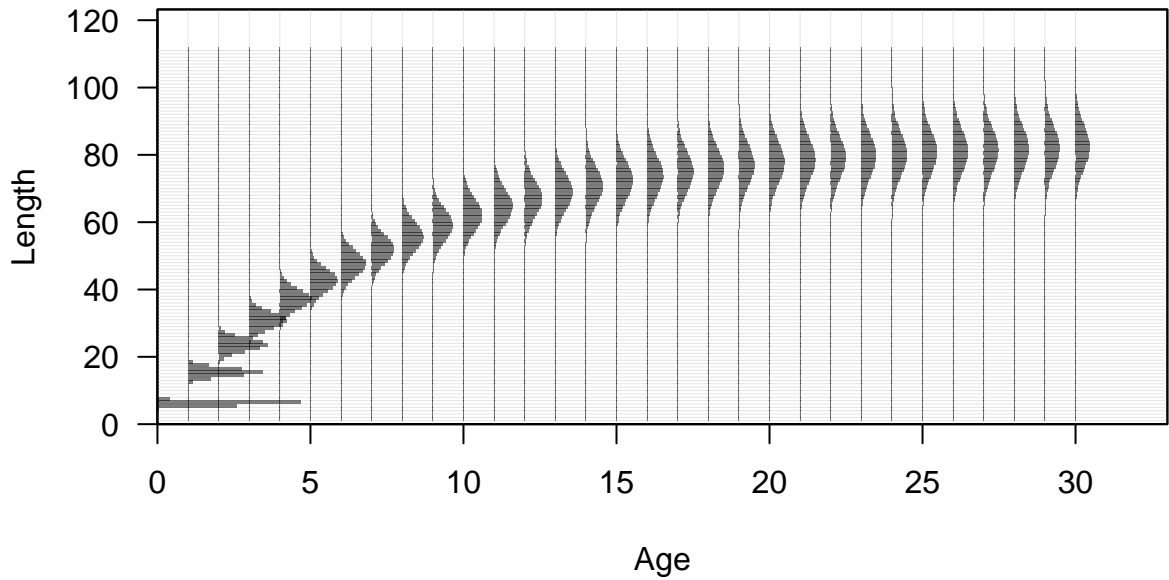
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Thu Jul 28 09:24:02 2022
Data_File: data.ss
Control_File: control.ss

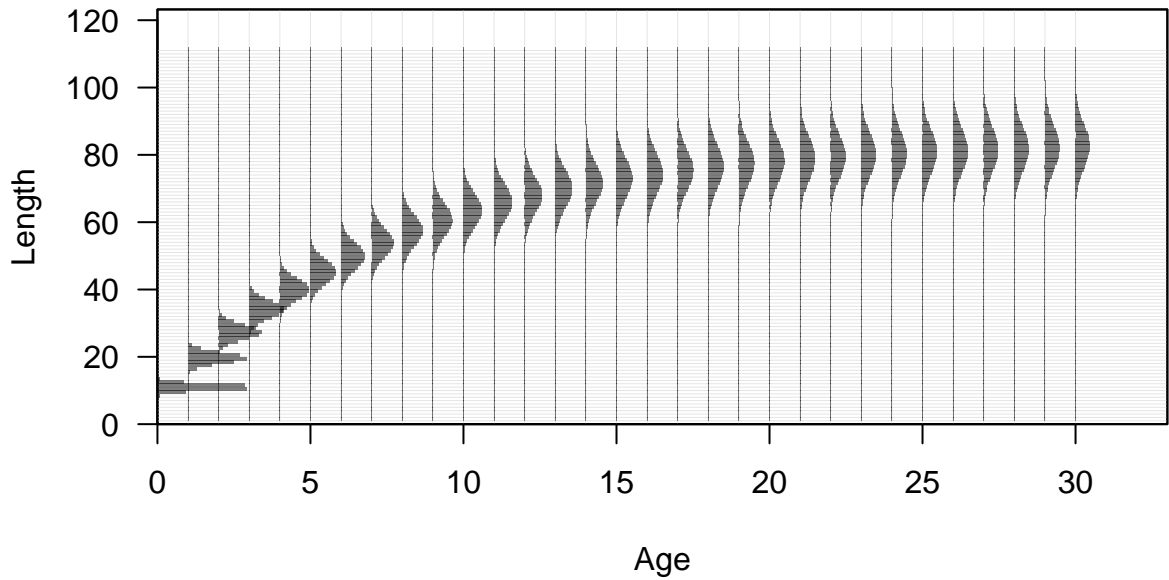
Length (cm, beginning of the year)

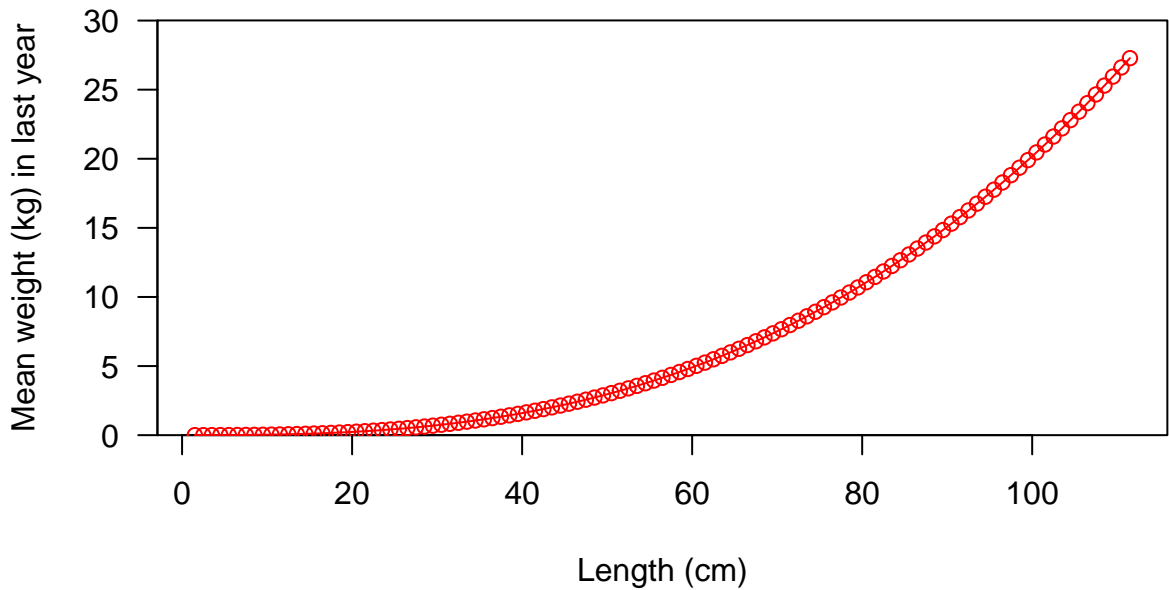


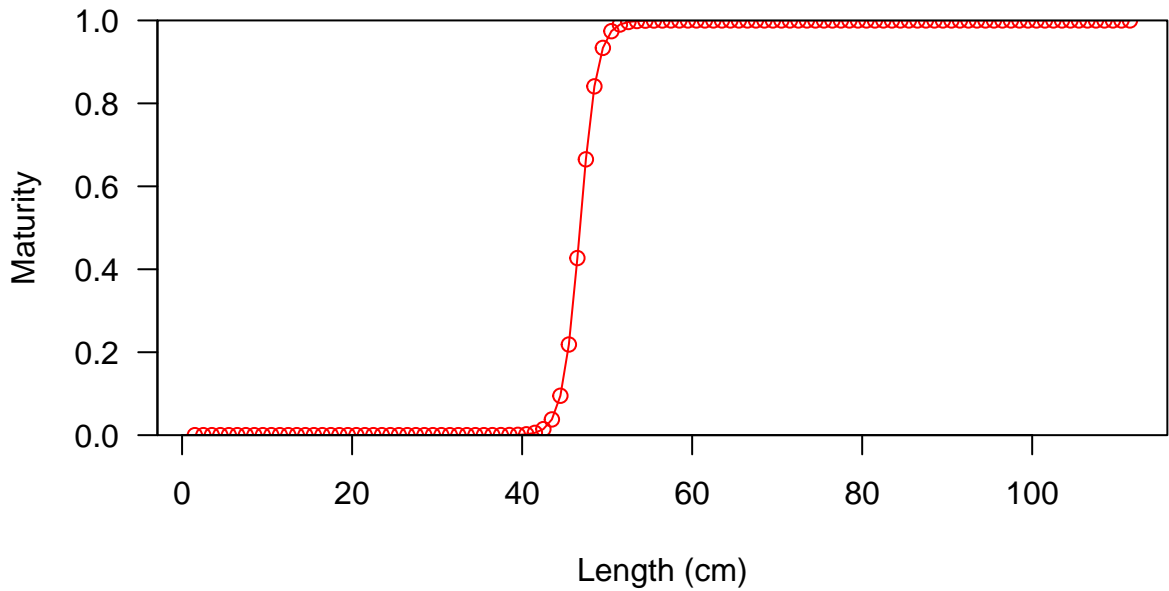


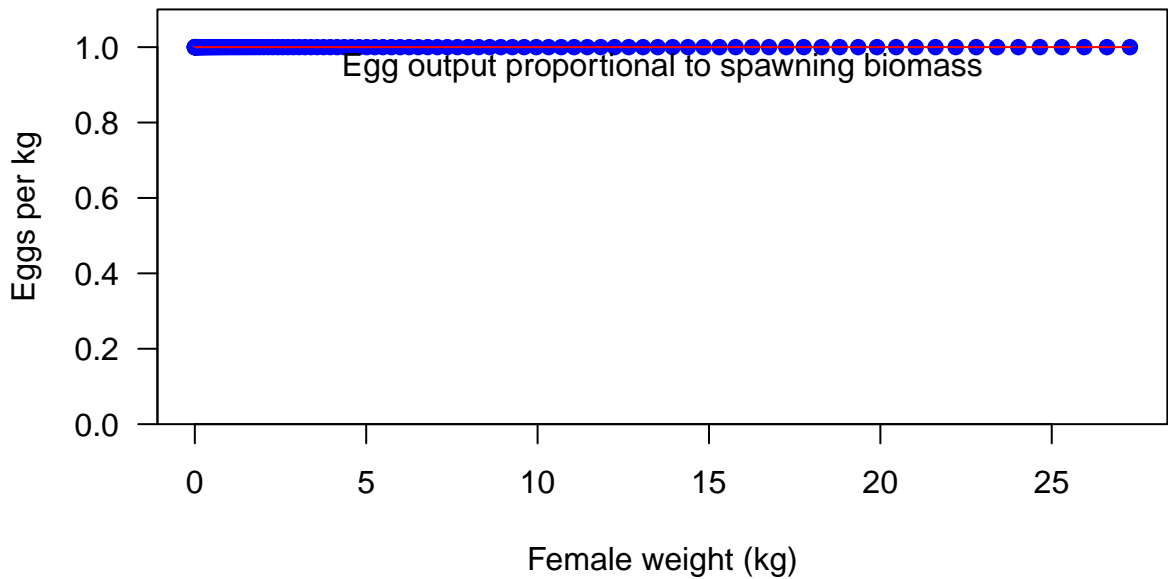


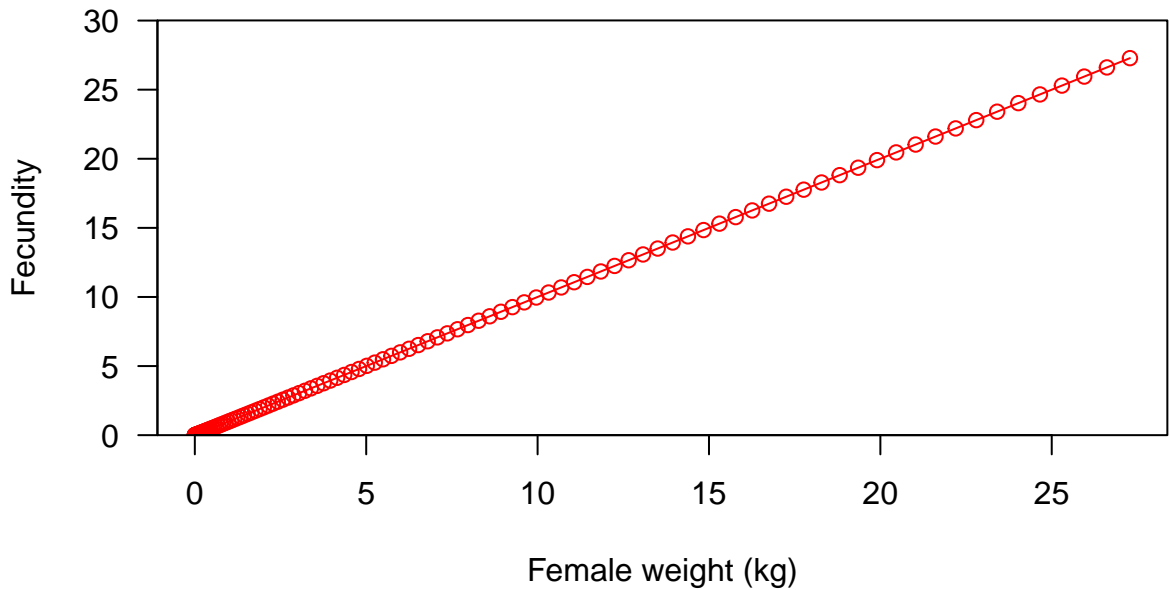












Fecundity

30
25
20
15
10
5
0

0

20

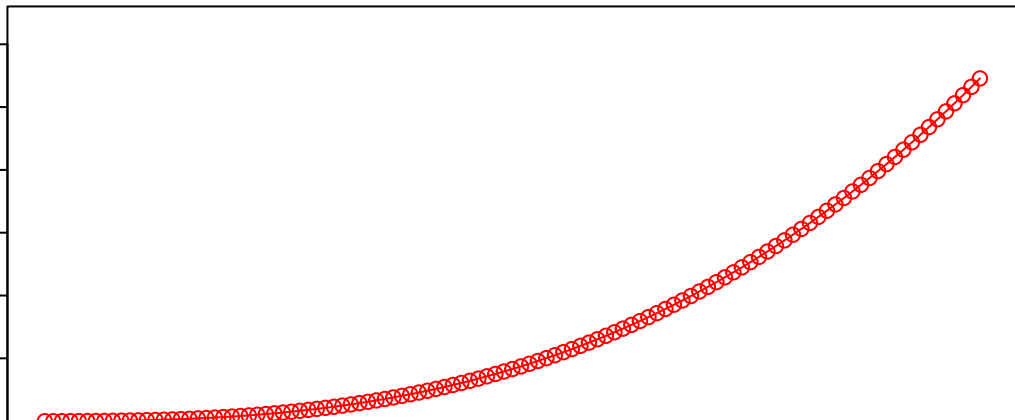
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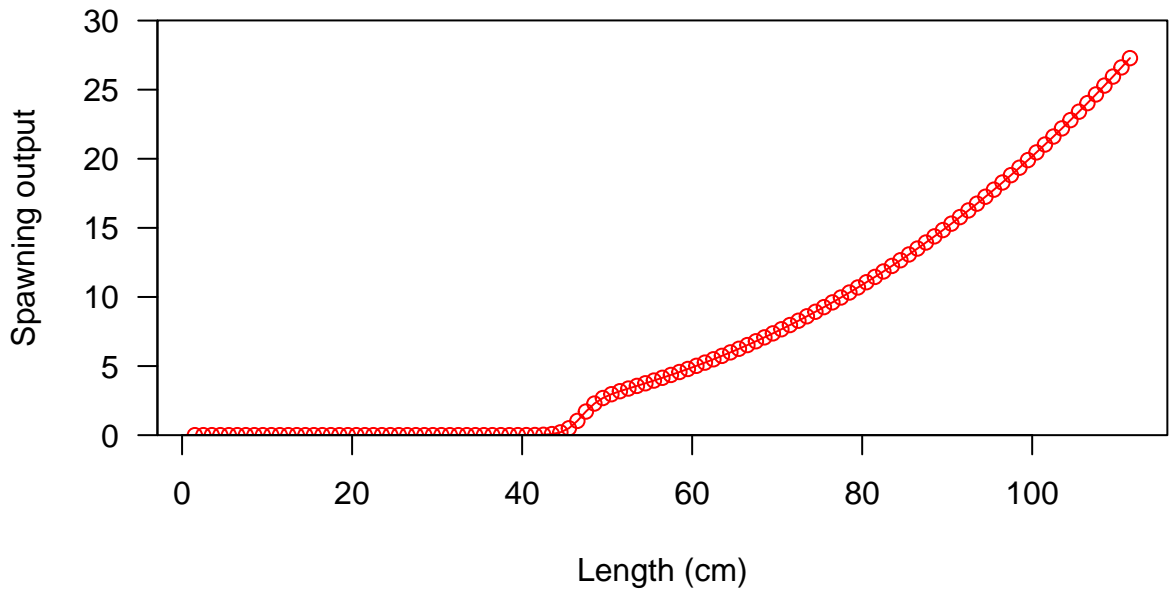
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80

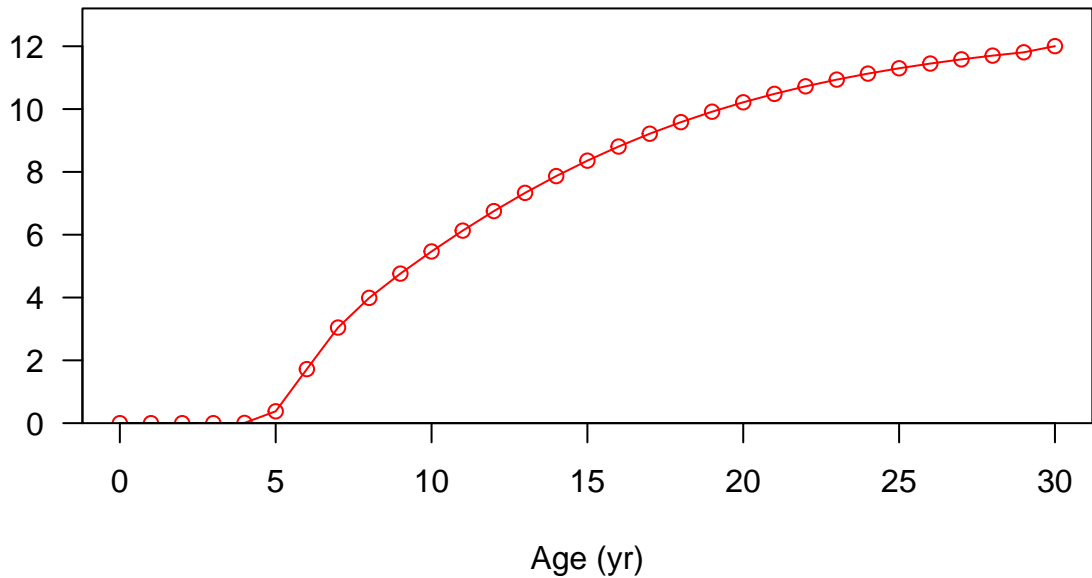
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Female length (cm)

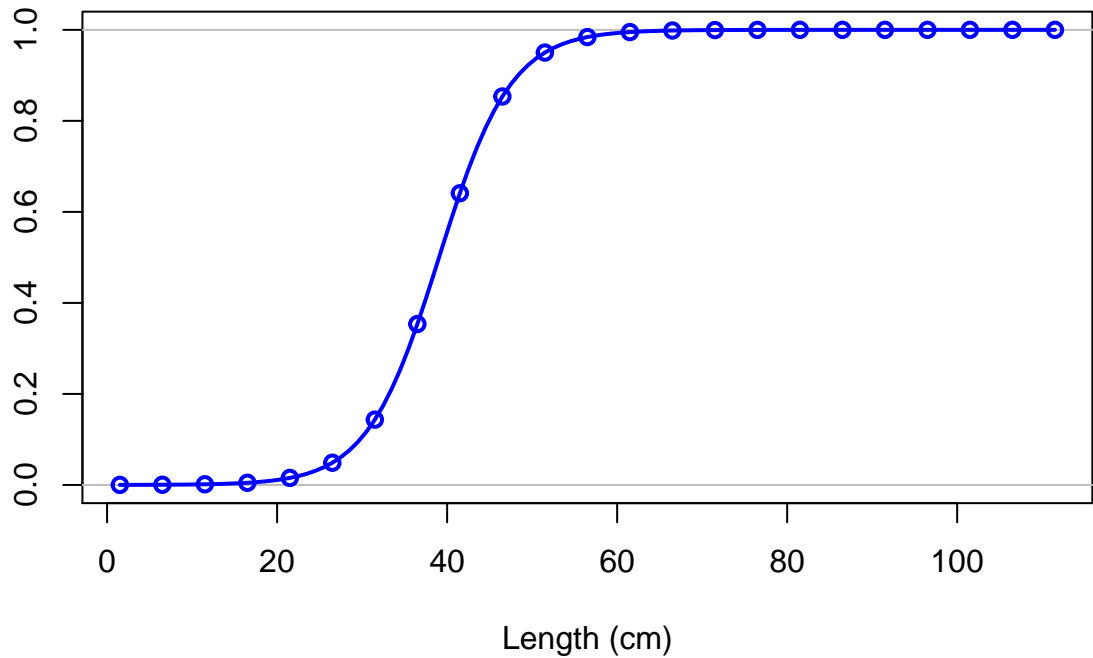




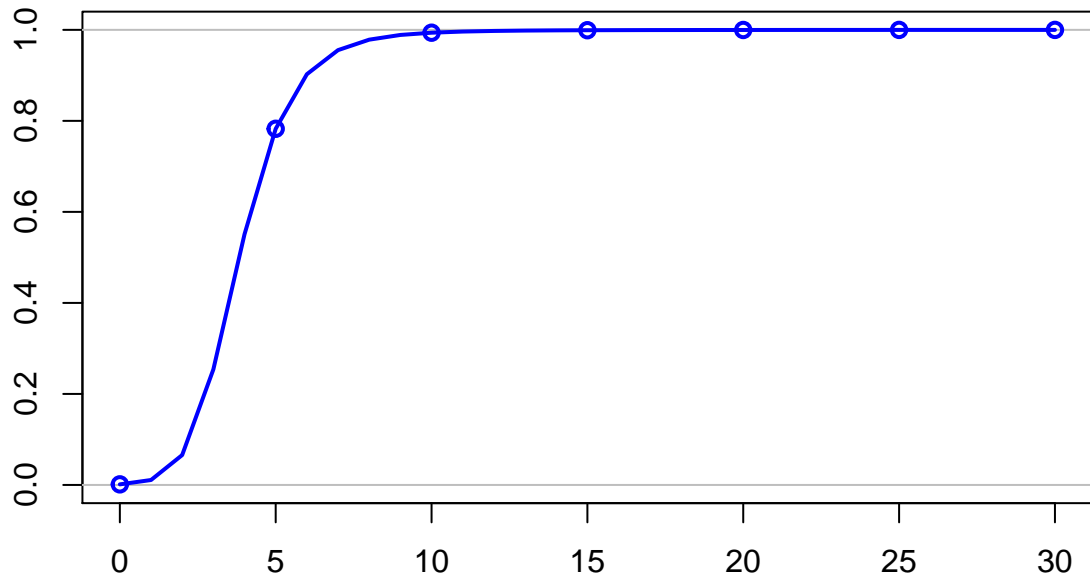
Spawning output



Selectivity

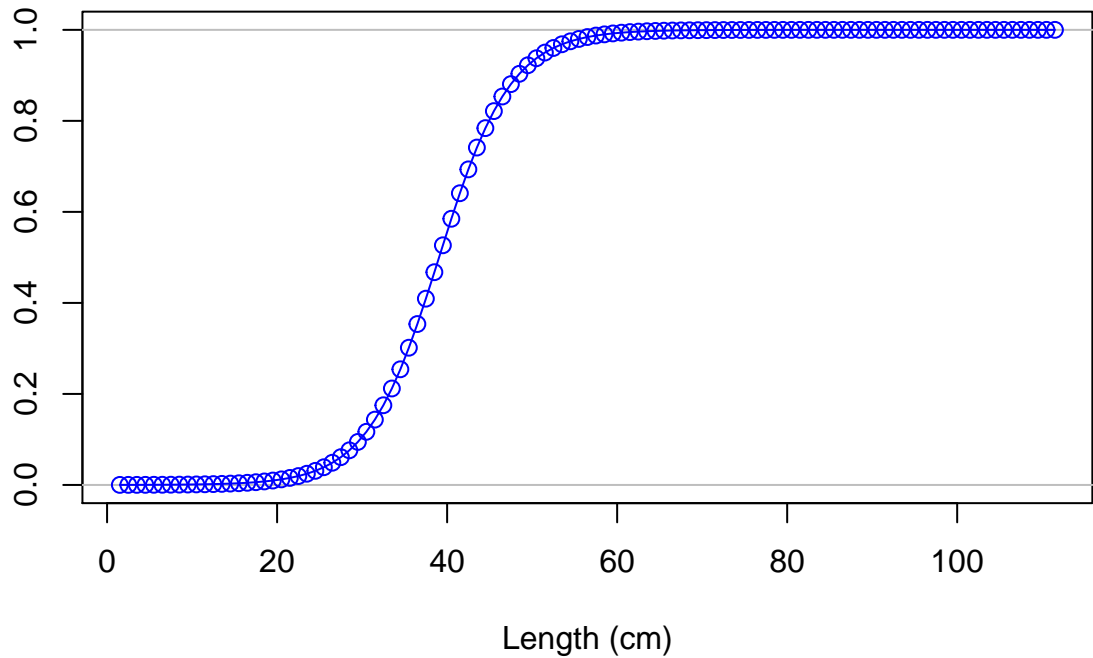


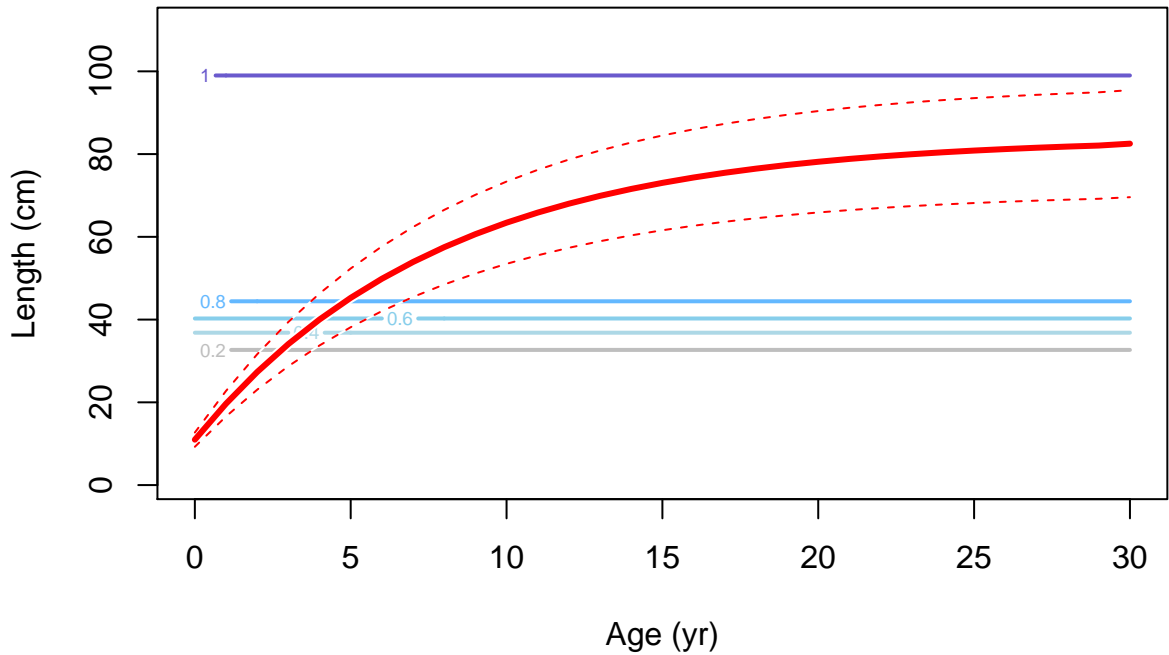
Selectivity

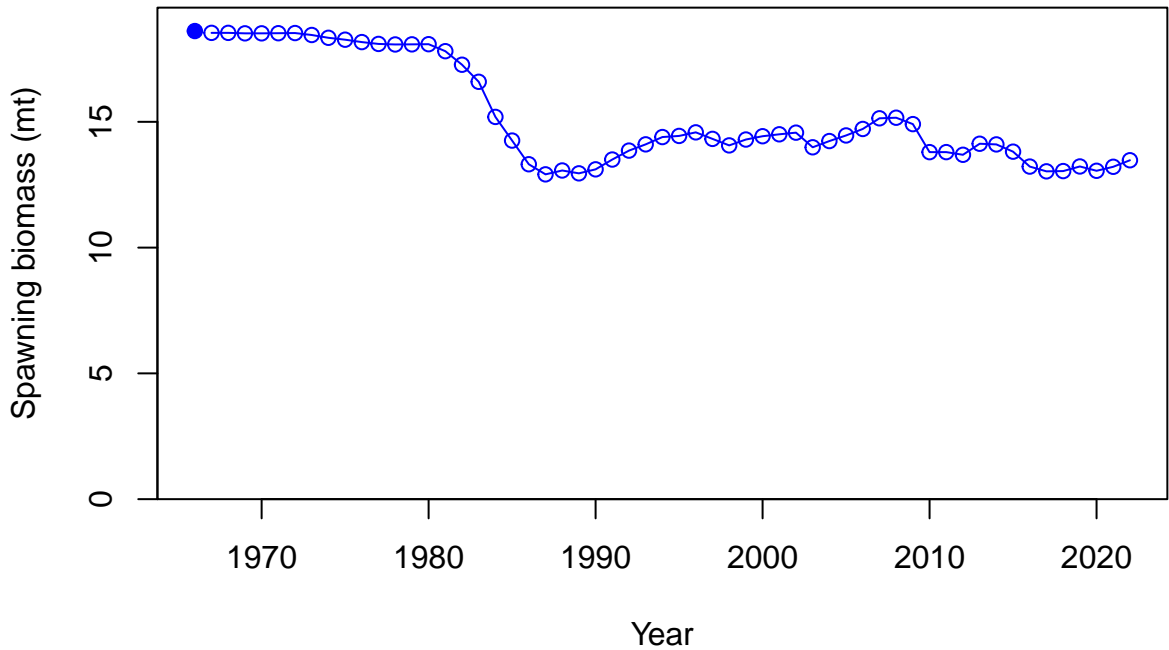


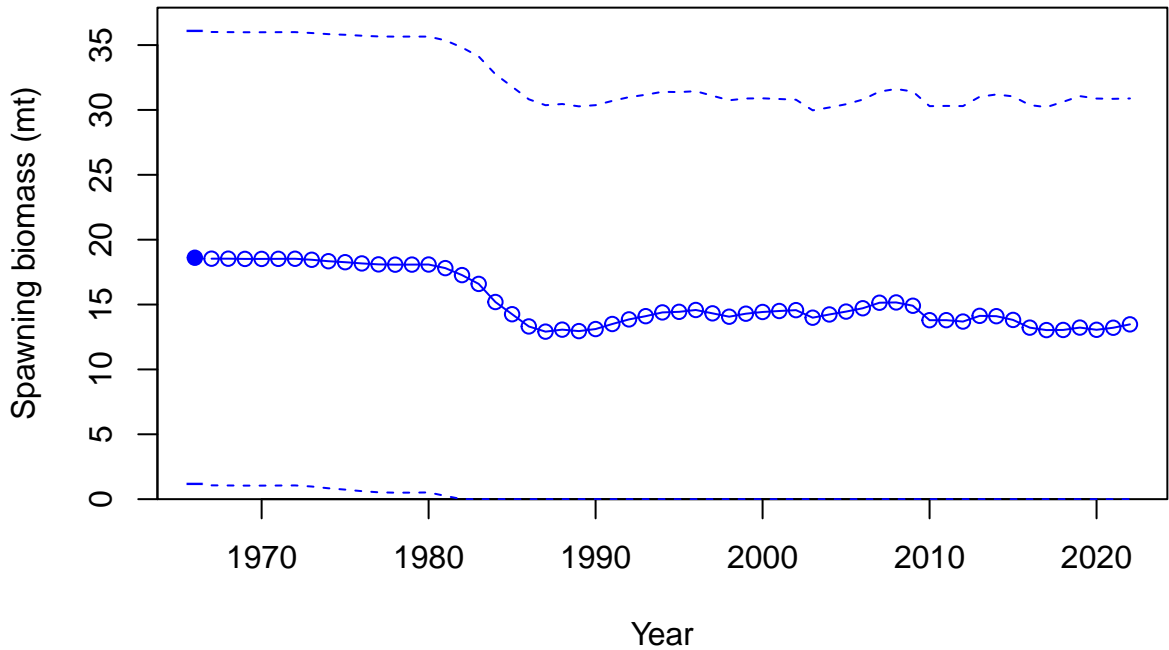
Age (yr)

Selectivity

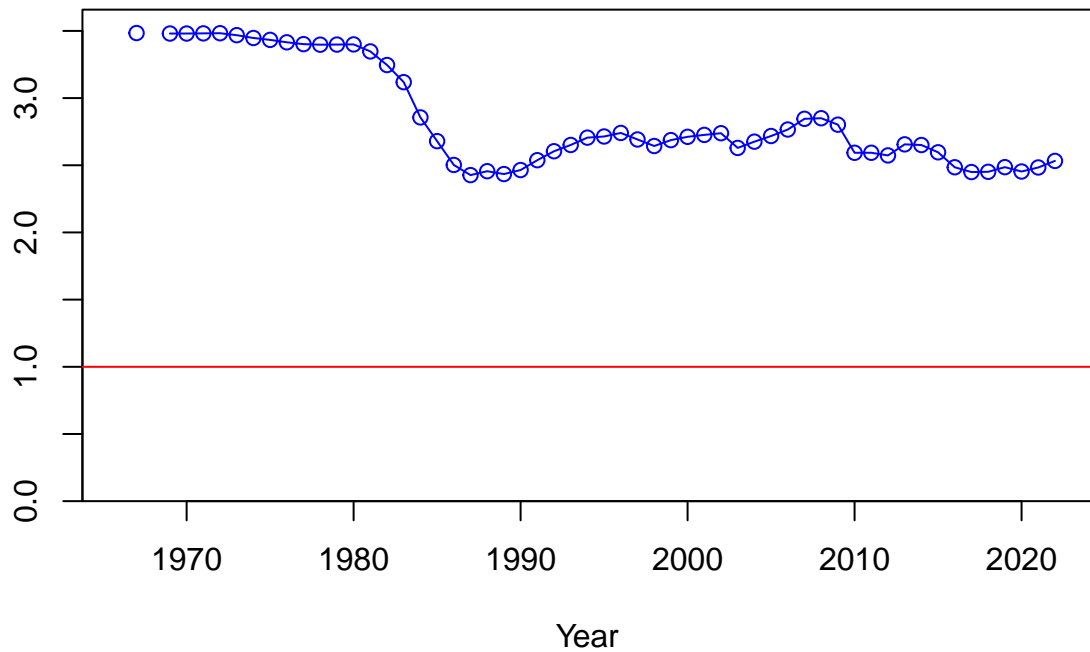




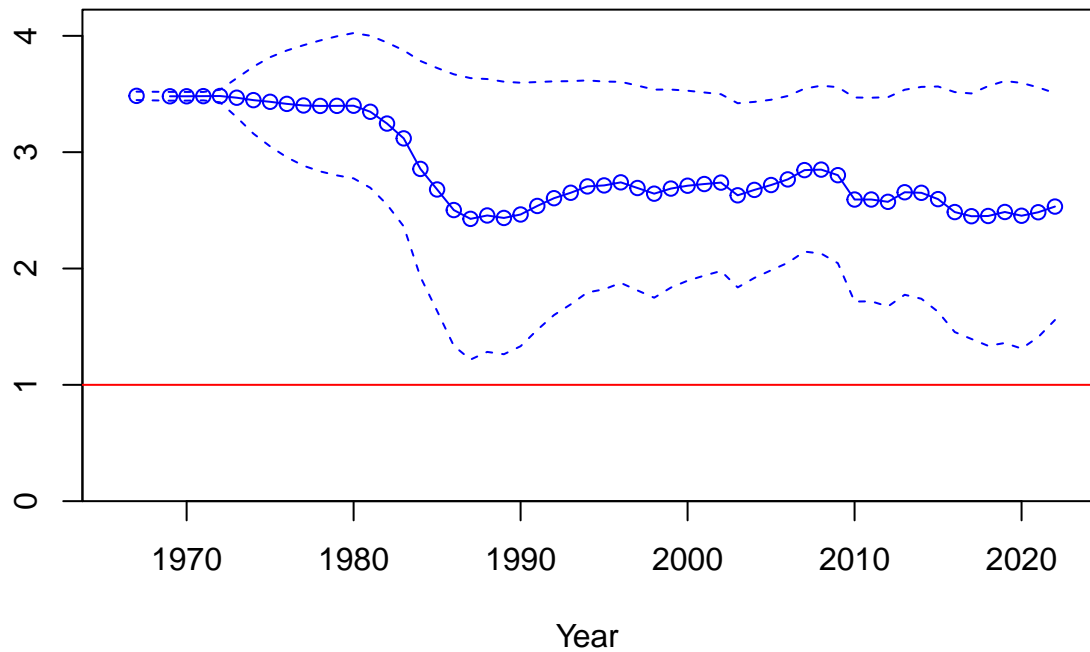


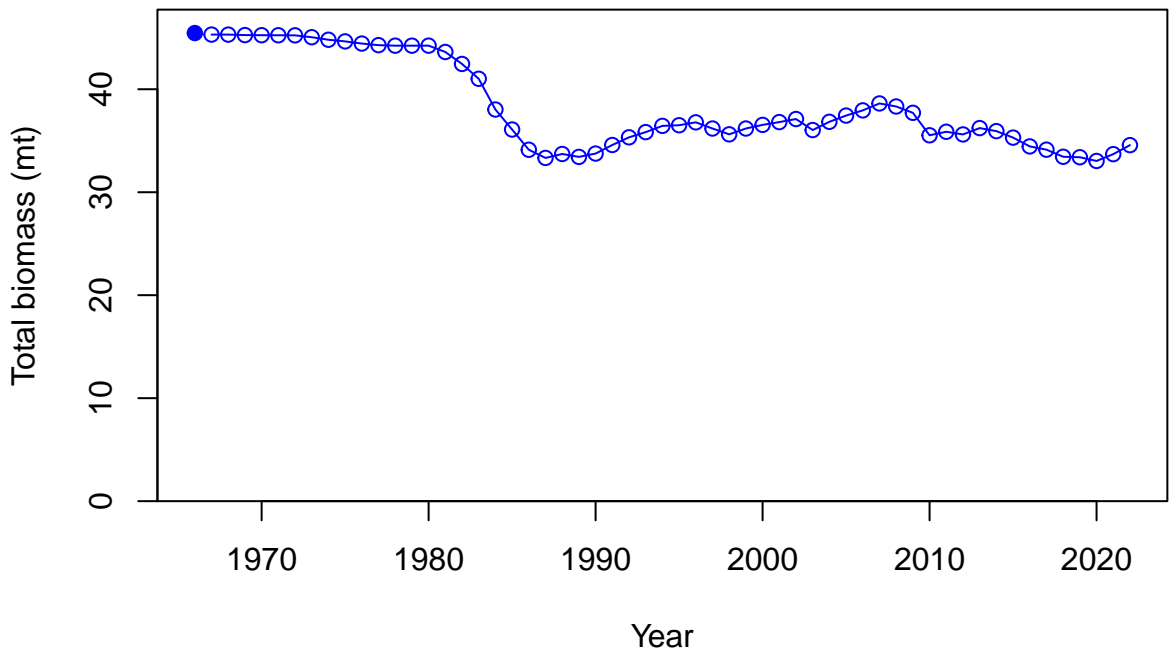


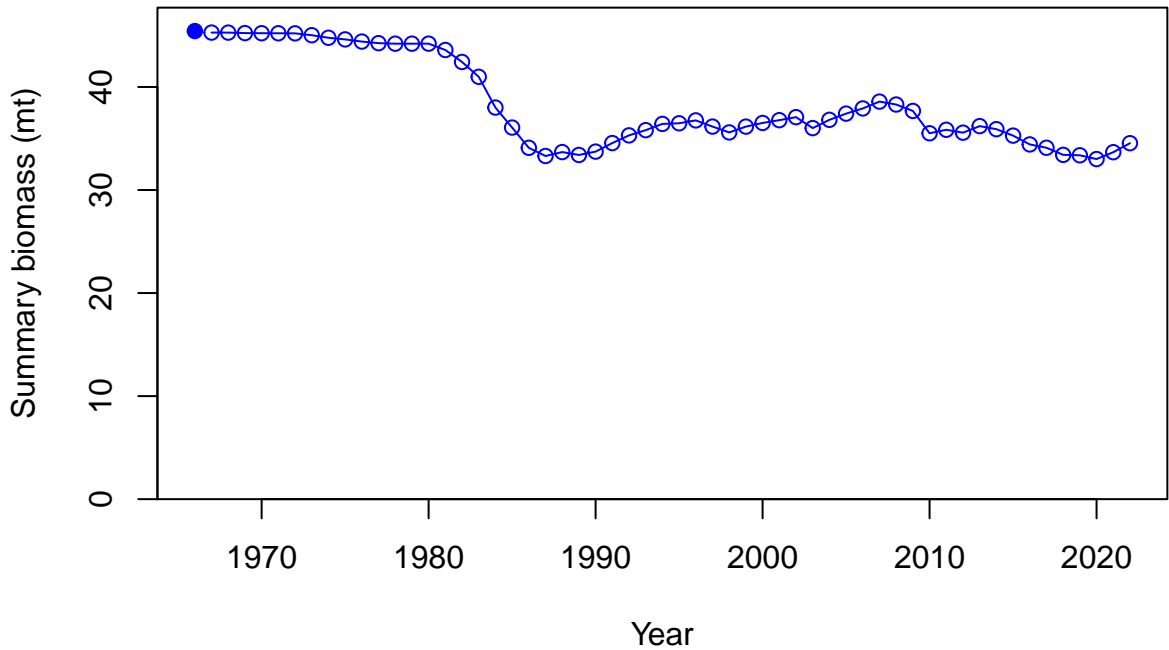
Relative spawning biomass: B/B_{MSY}



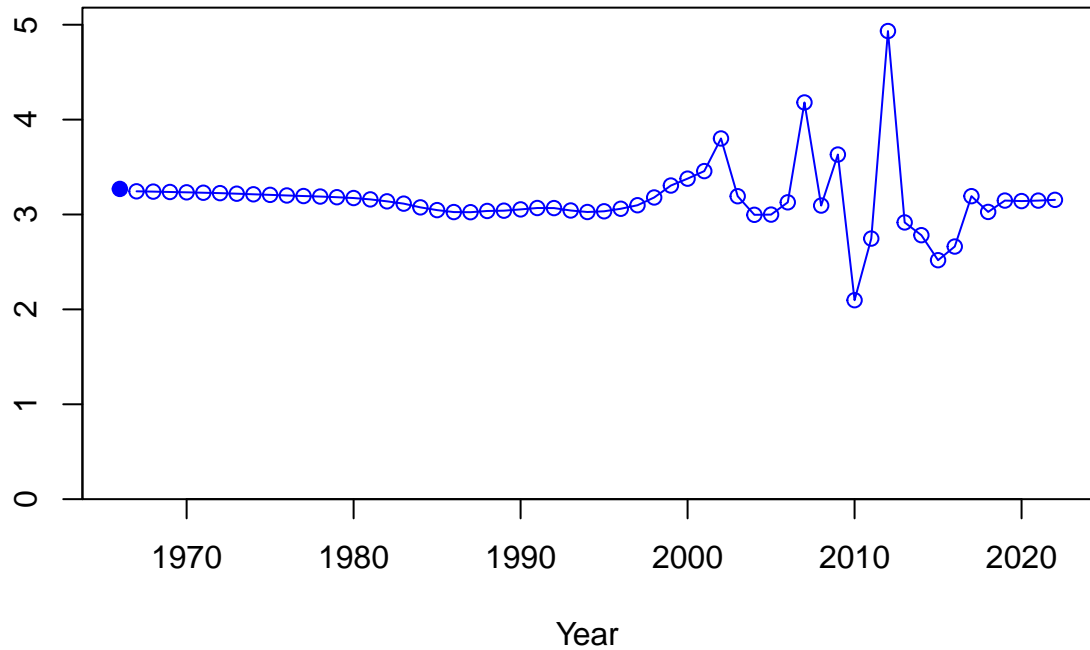
Relative spawning biomass: B/B_{MSY}



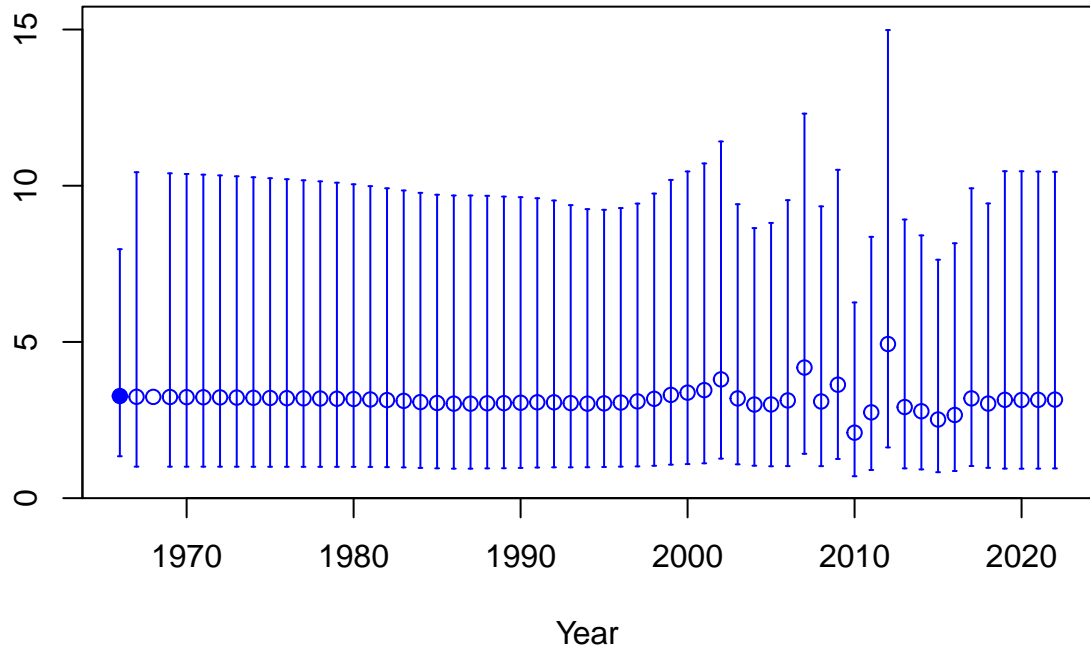




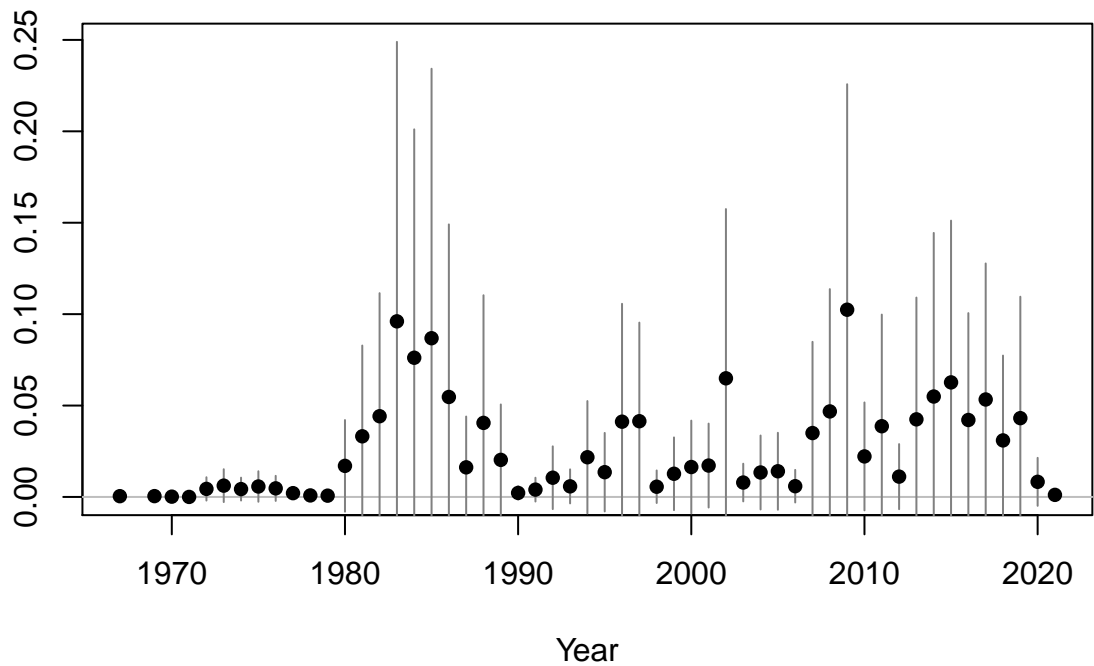
Age-0 recruits (1,000s)

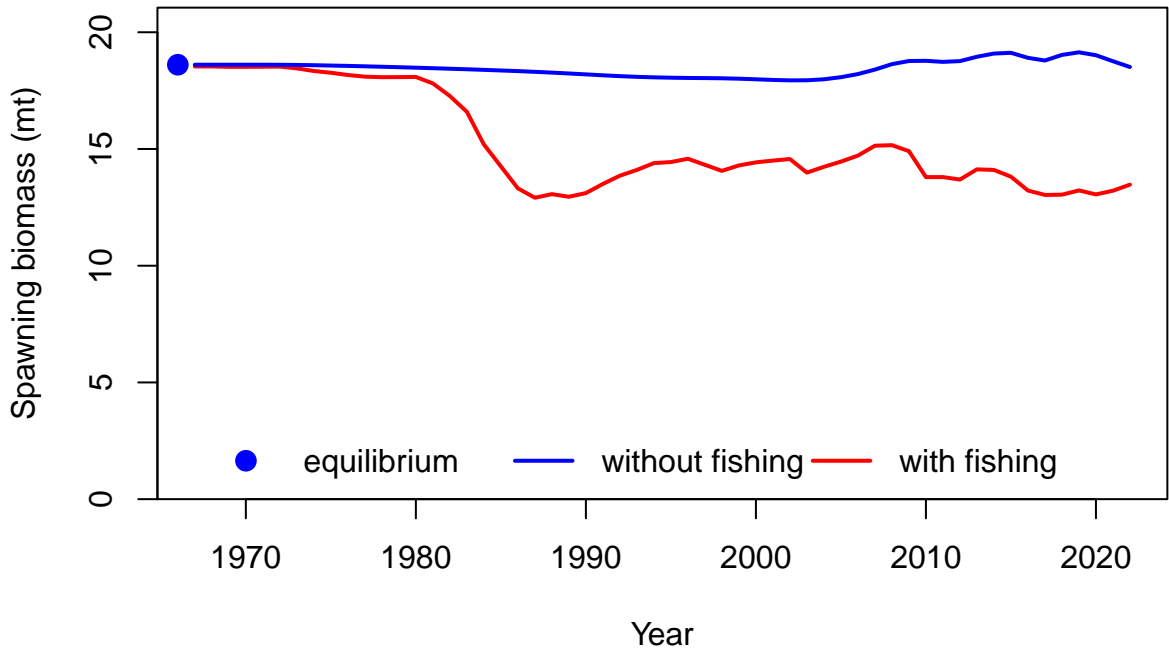


Age-0 recruits (1,000s)

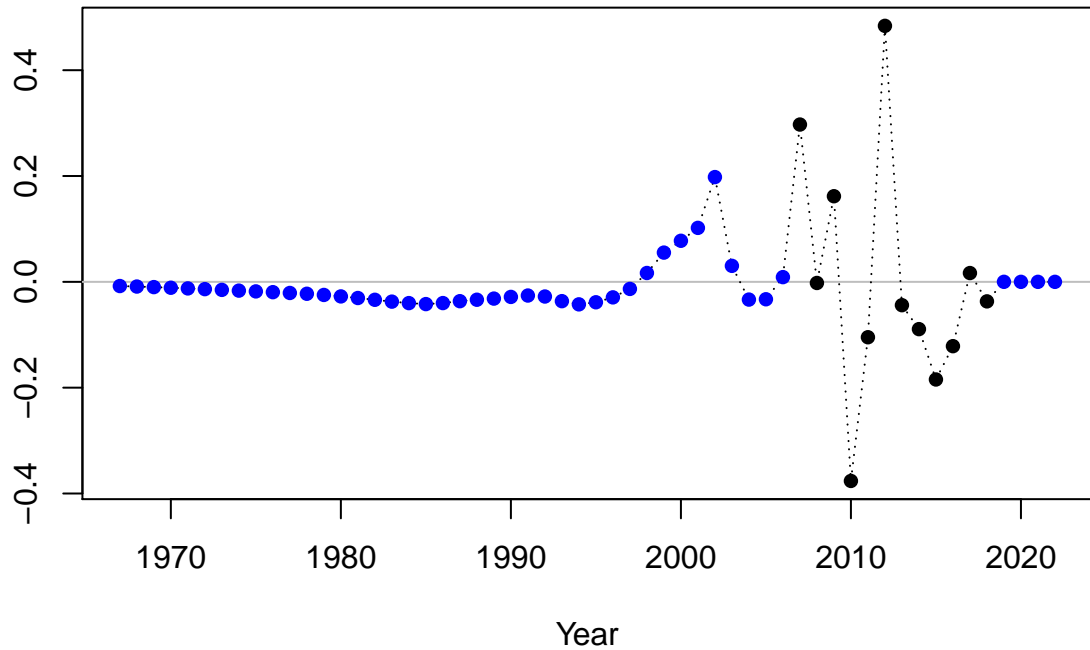


Summary Fishing Mortality

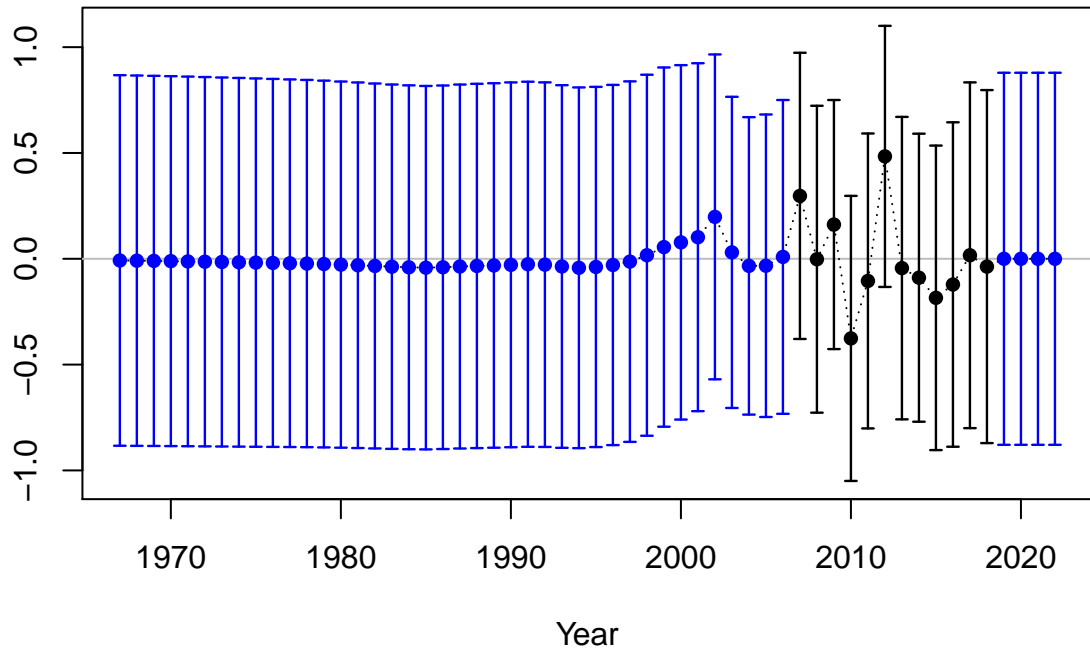




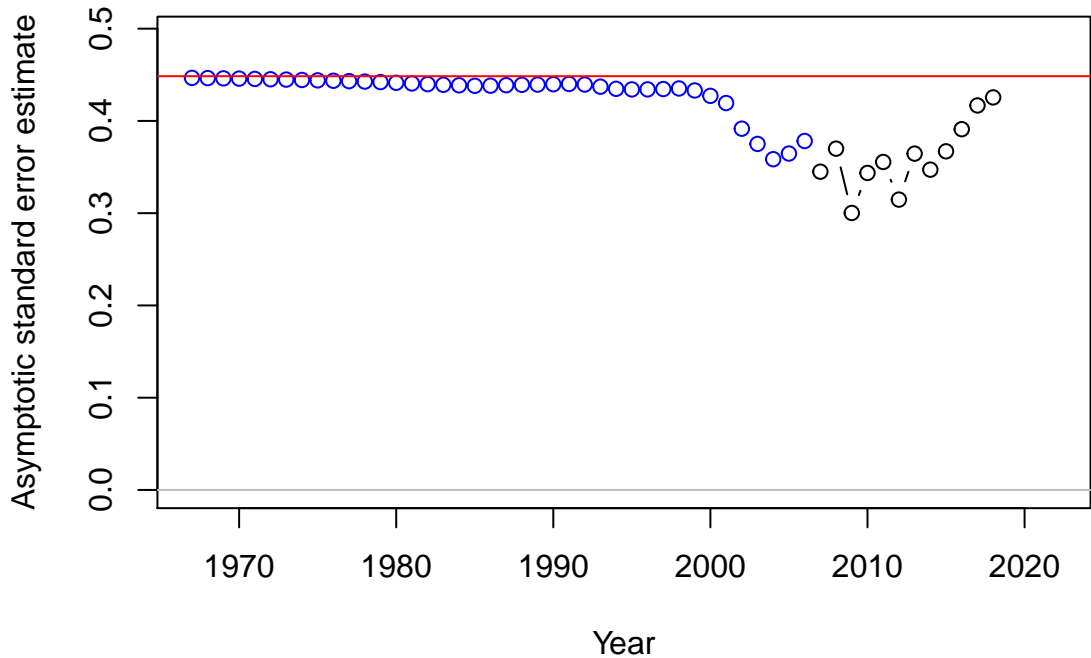
Log recruitment deviation

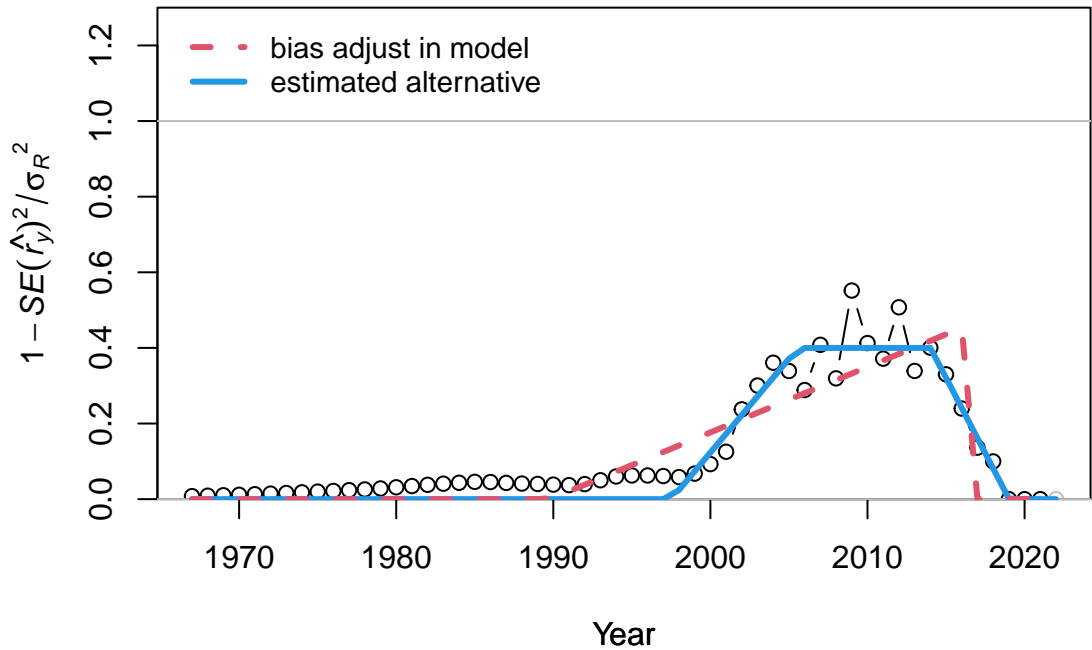


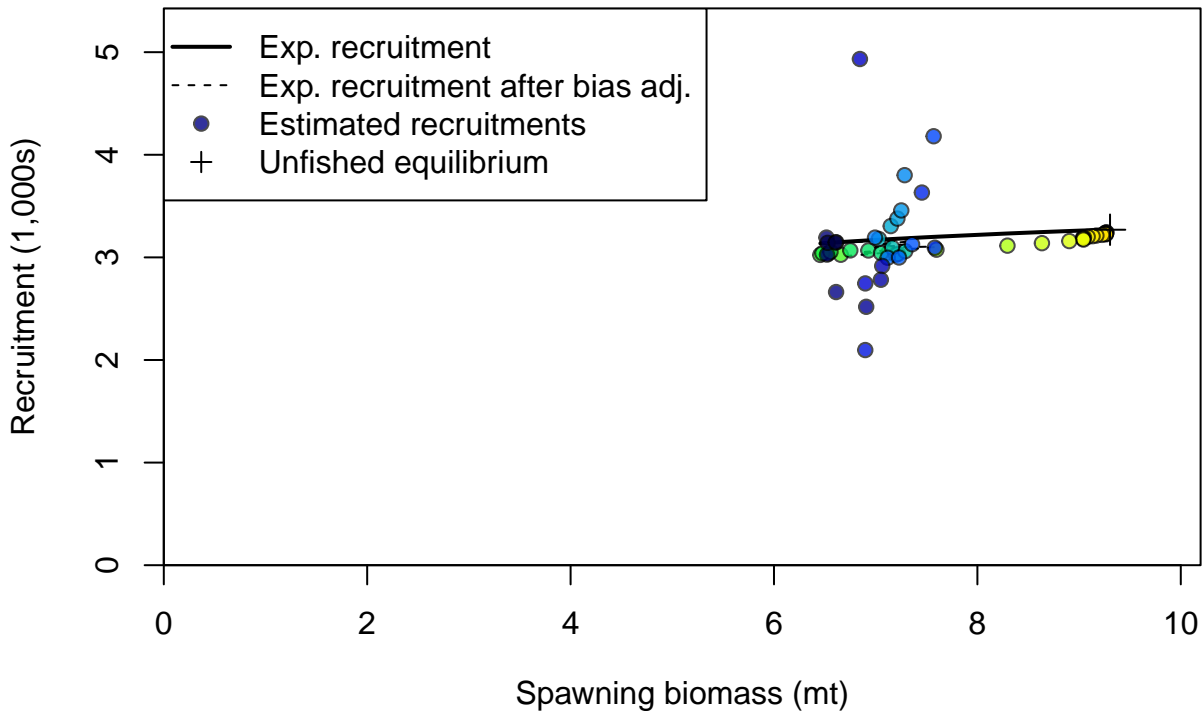
Log recruitment deviation

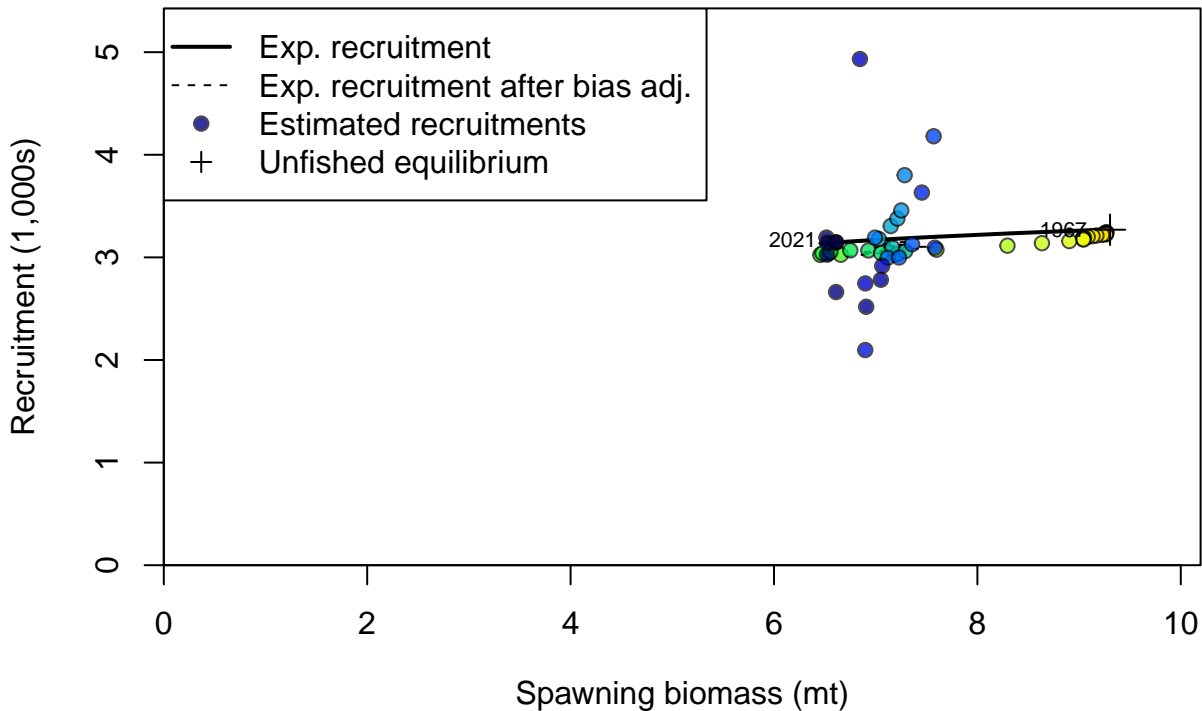


Recruitment deviation variance

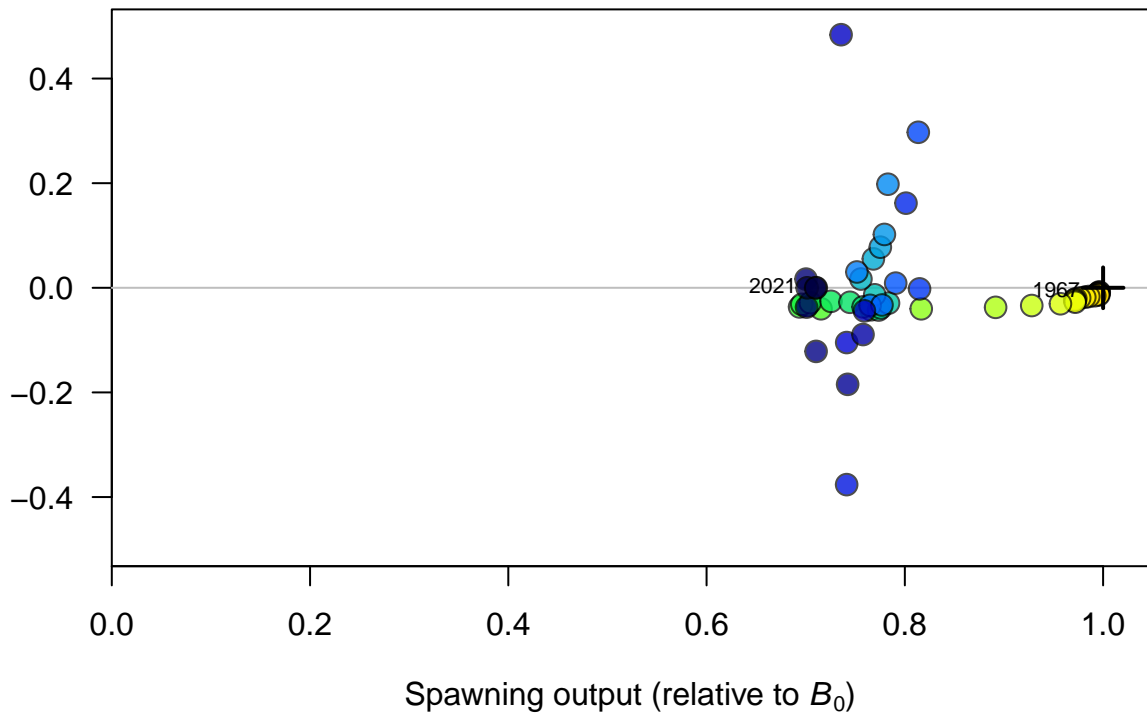


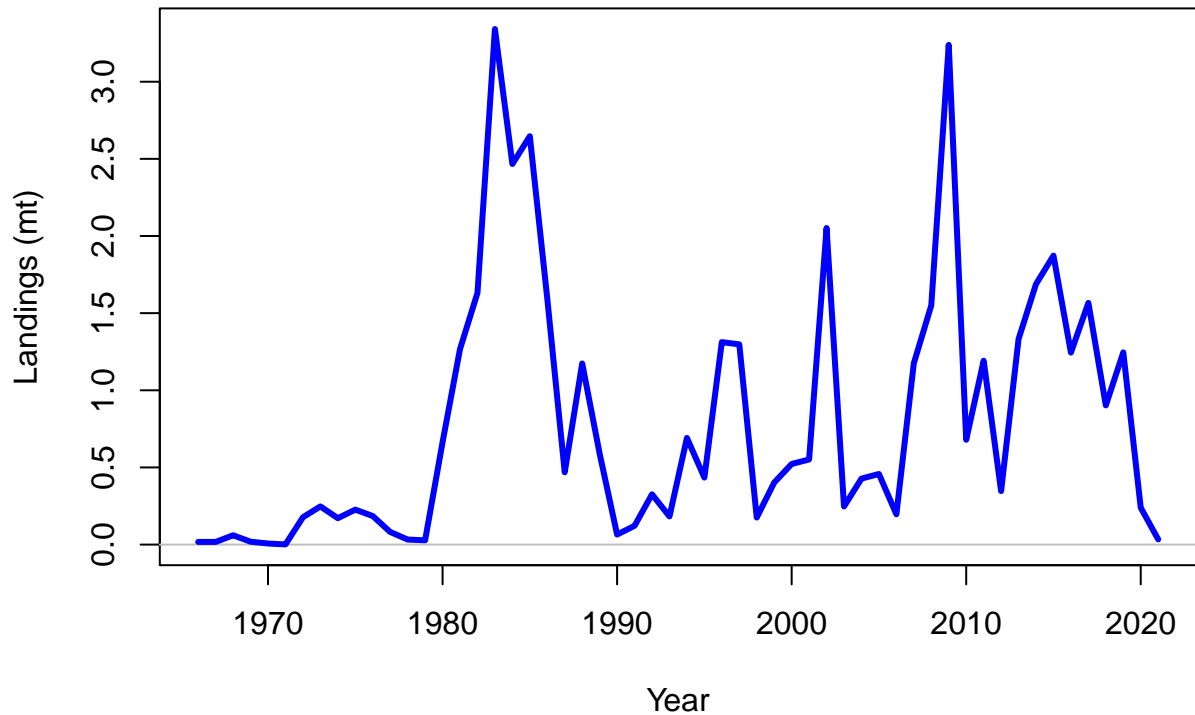


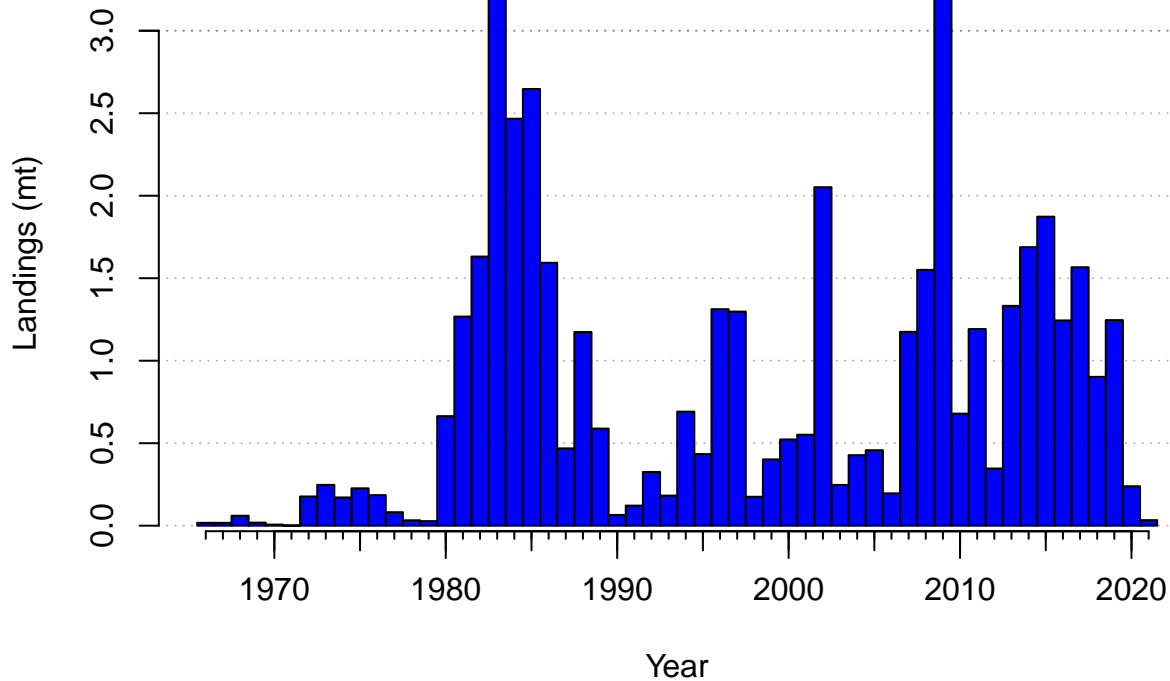


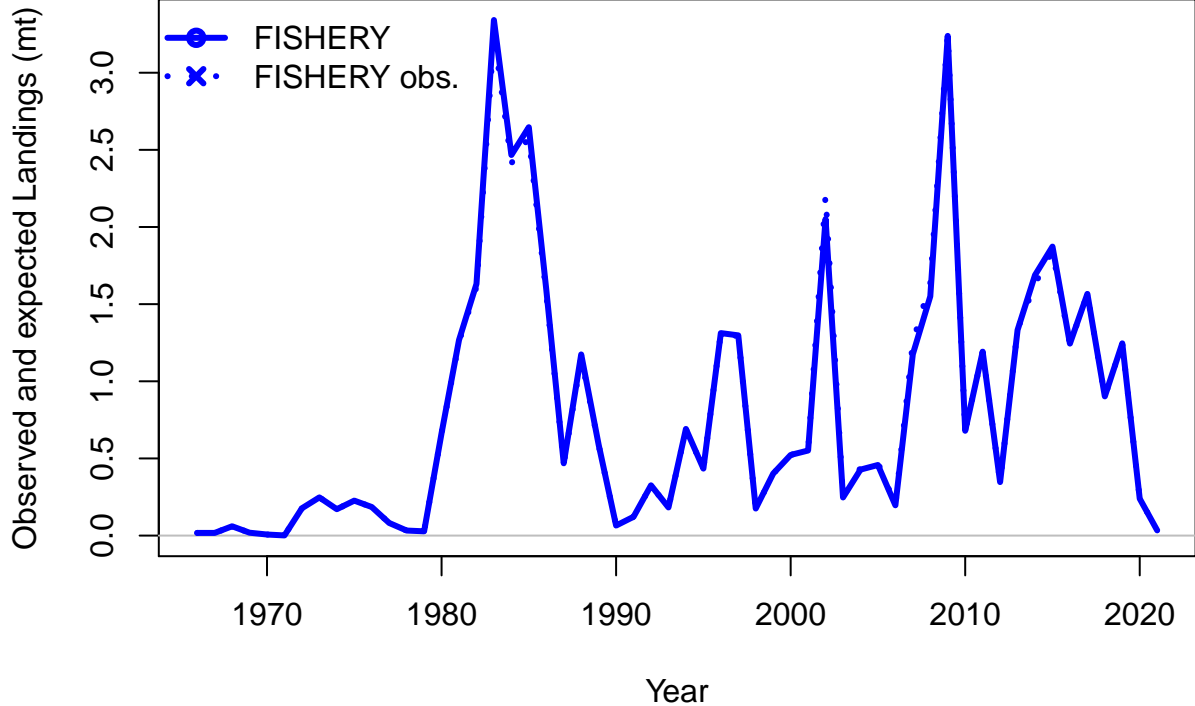


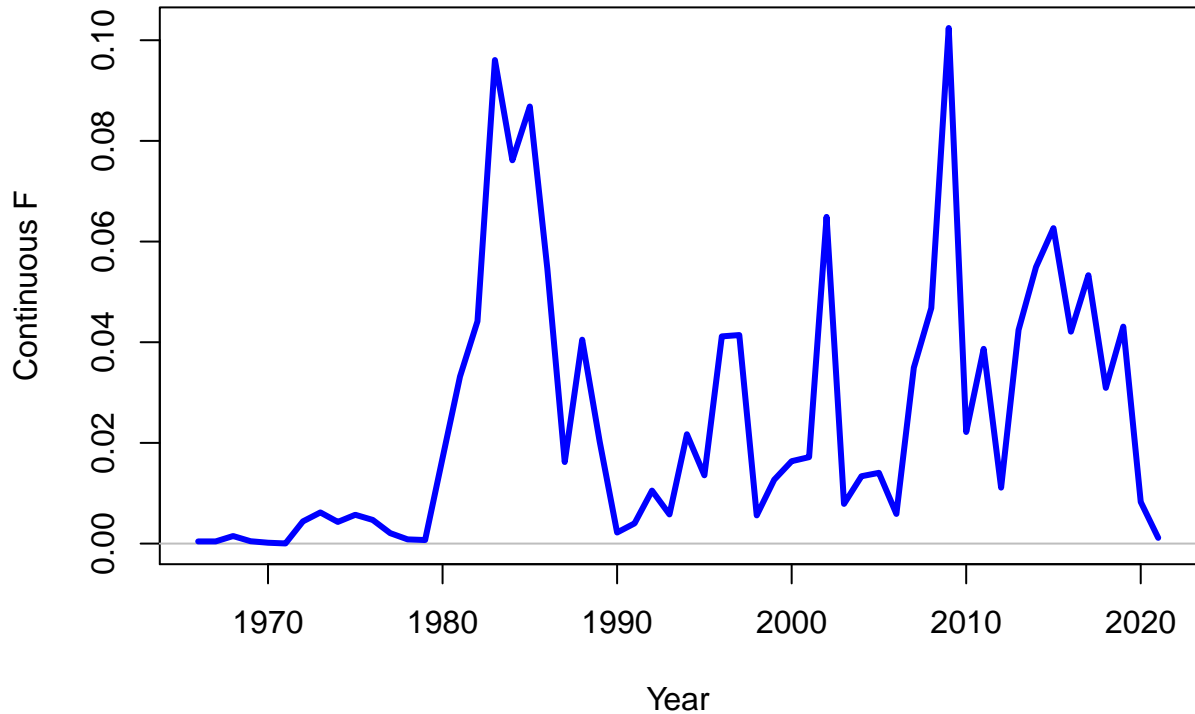
Log recruitment deviation



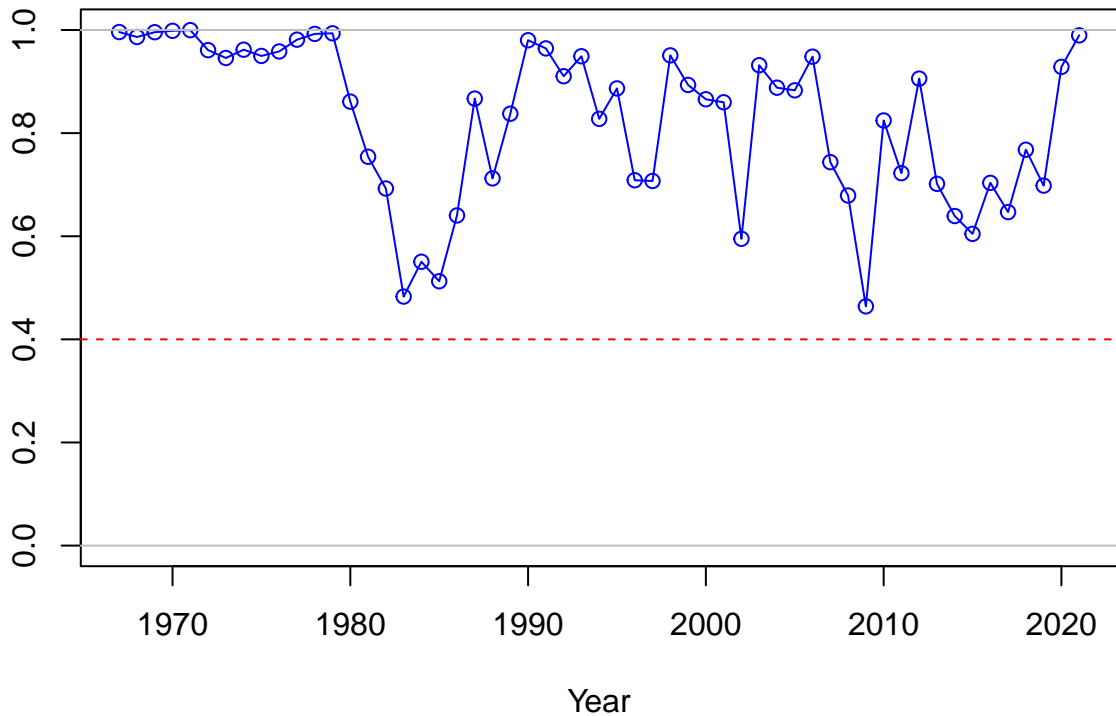


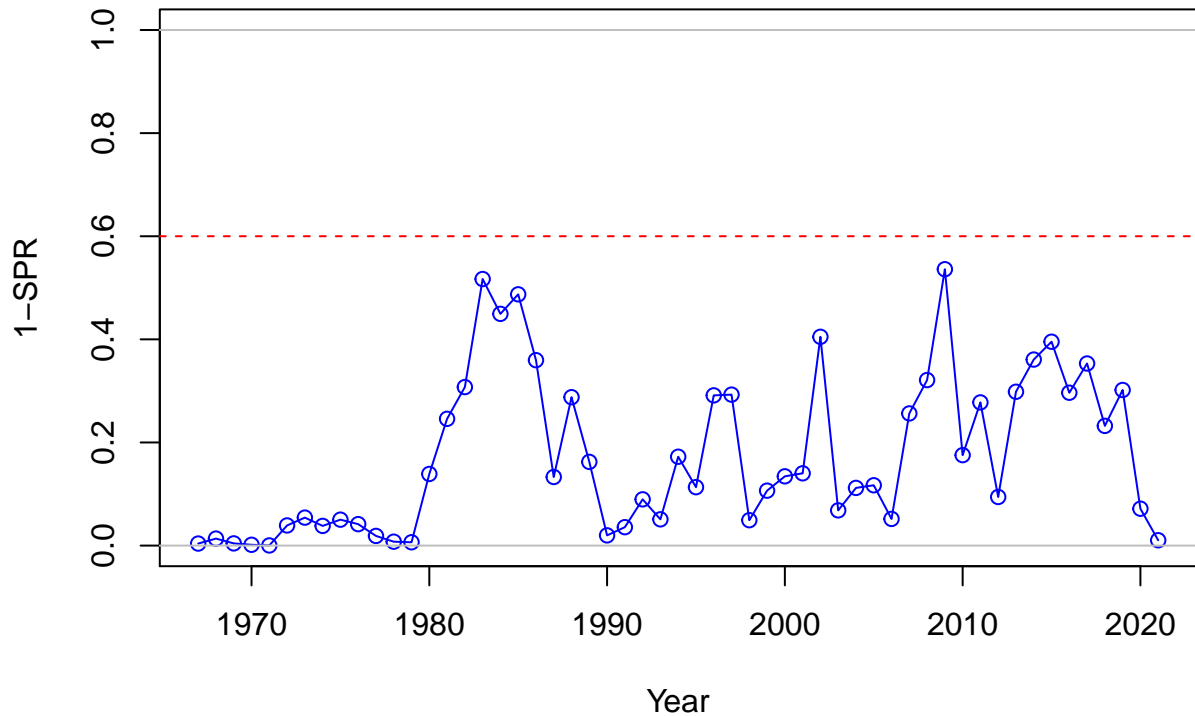




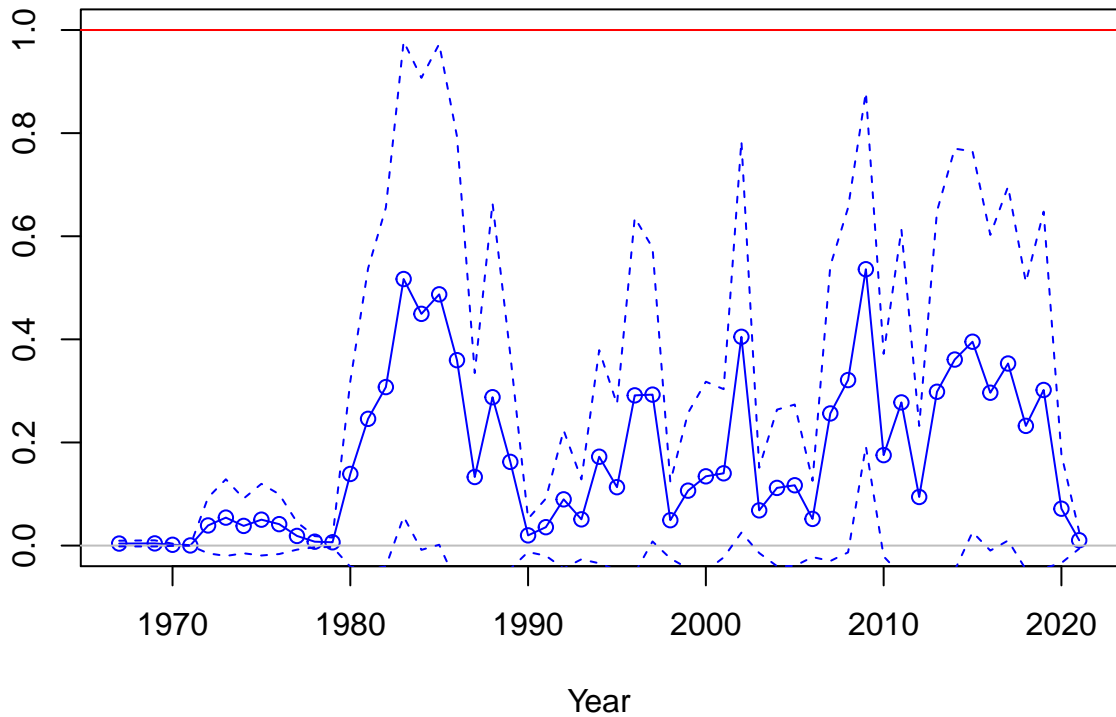


SPR

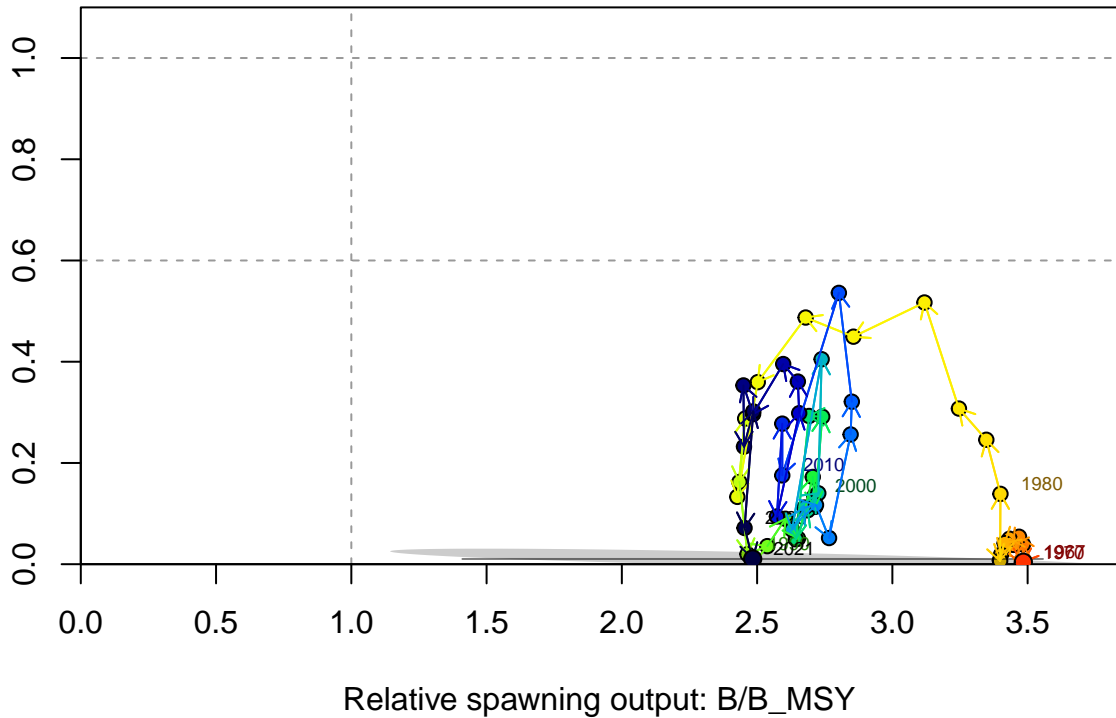




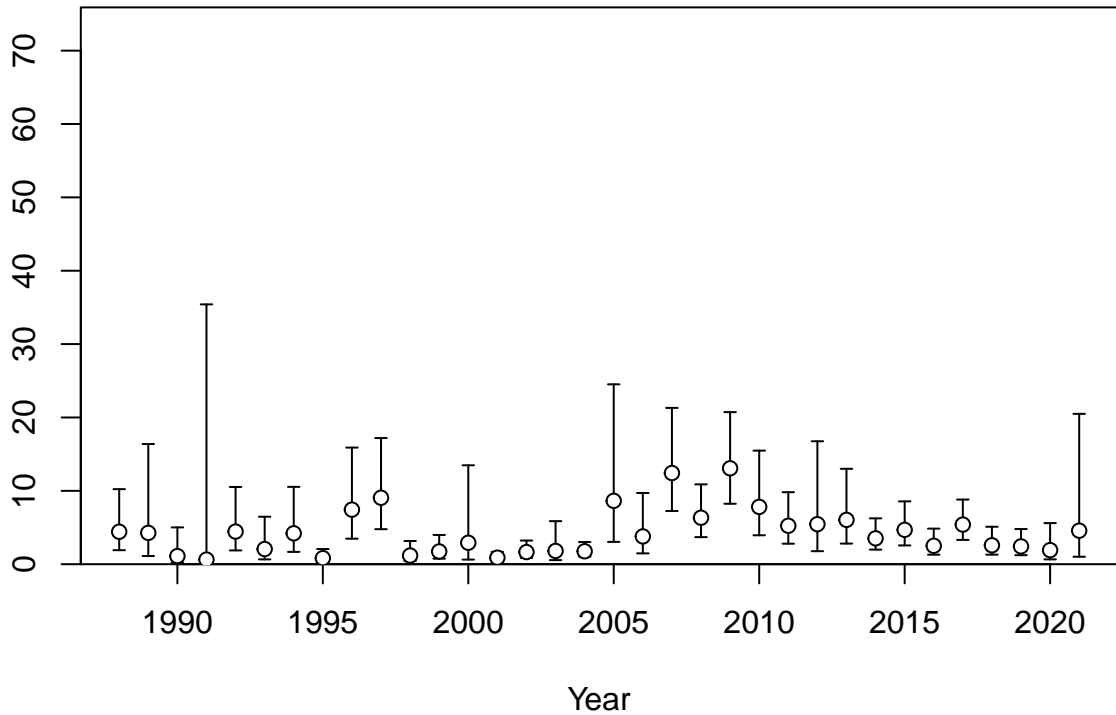
Fishing intensity: 1-SPR



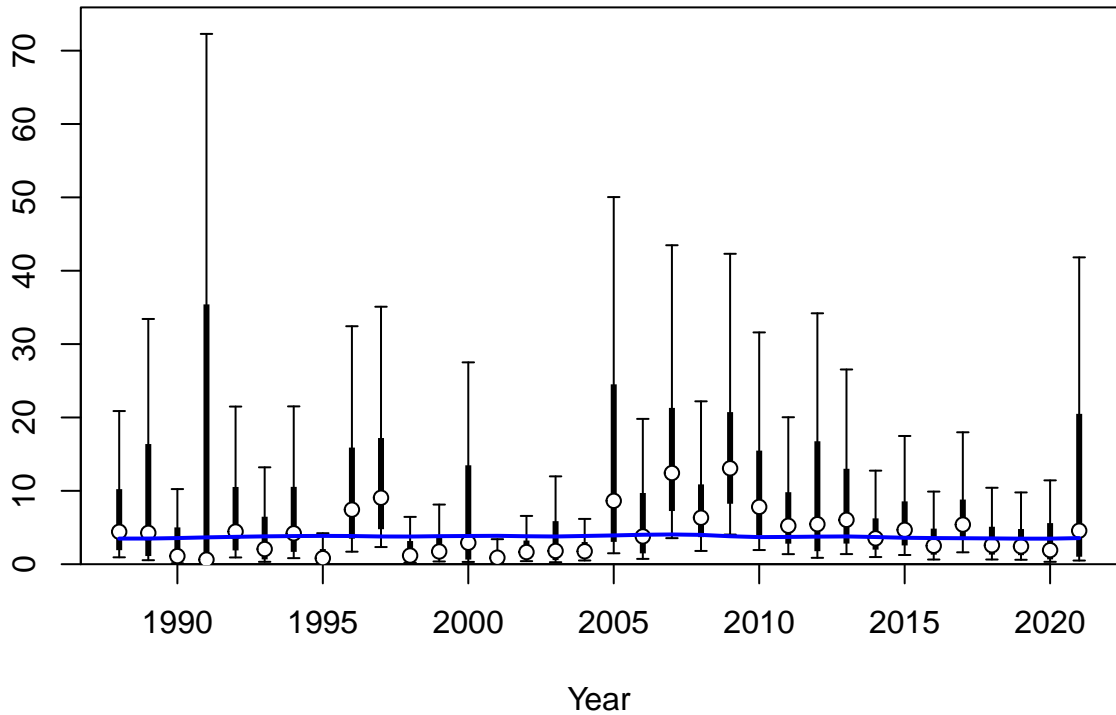
Fishing intensity: 1-SPR

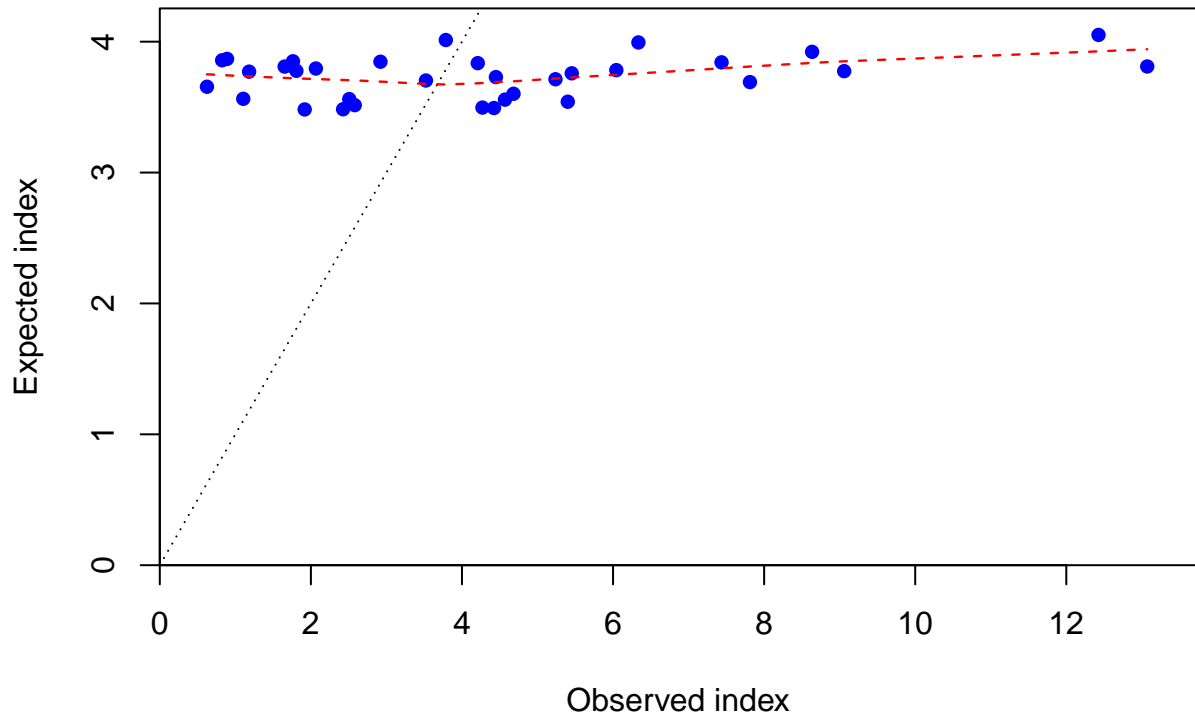


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Log index

4
2
0
-2
-4

1990

1995

2000

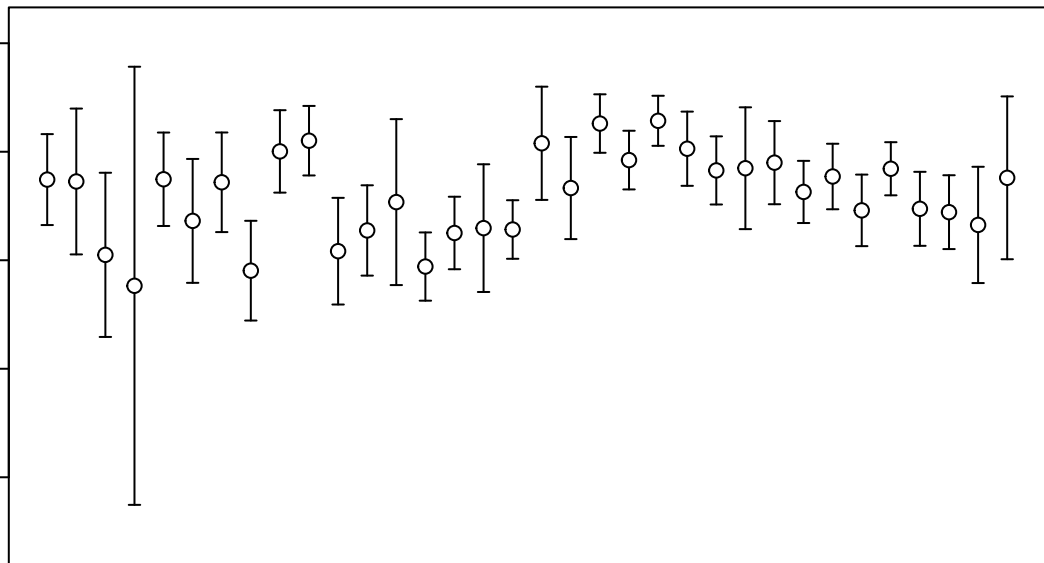
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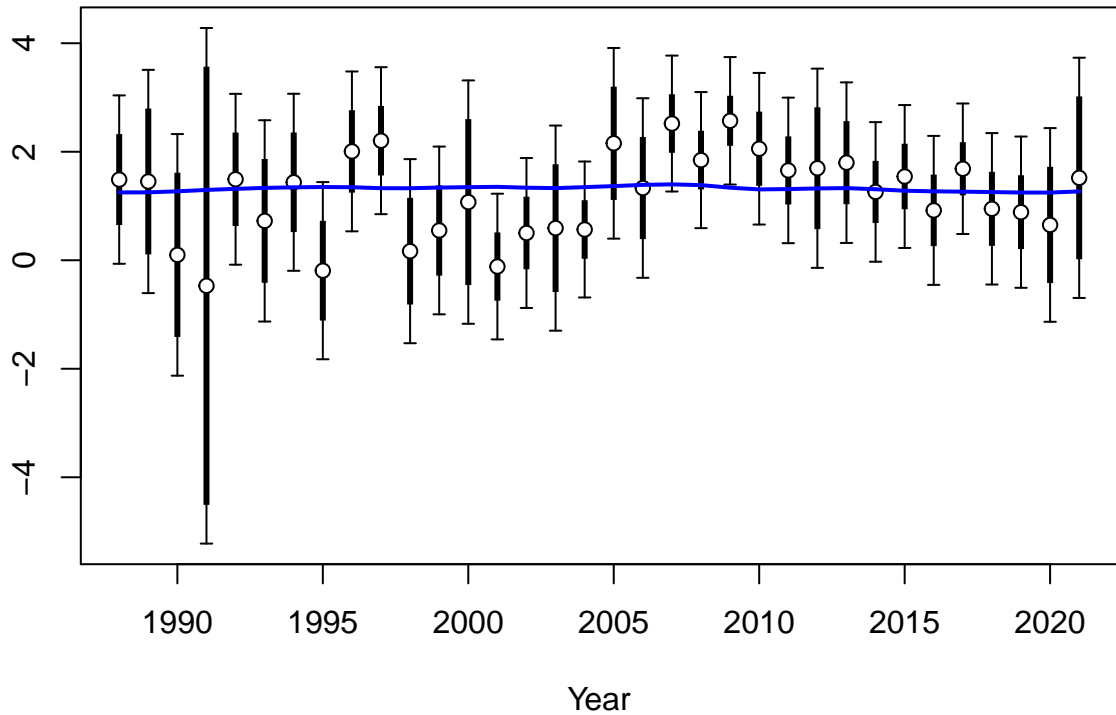
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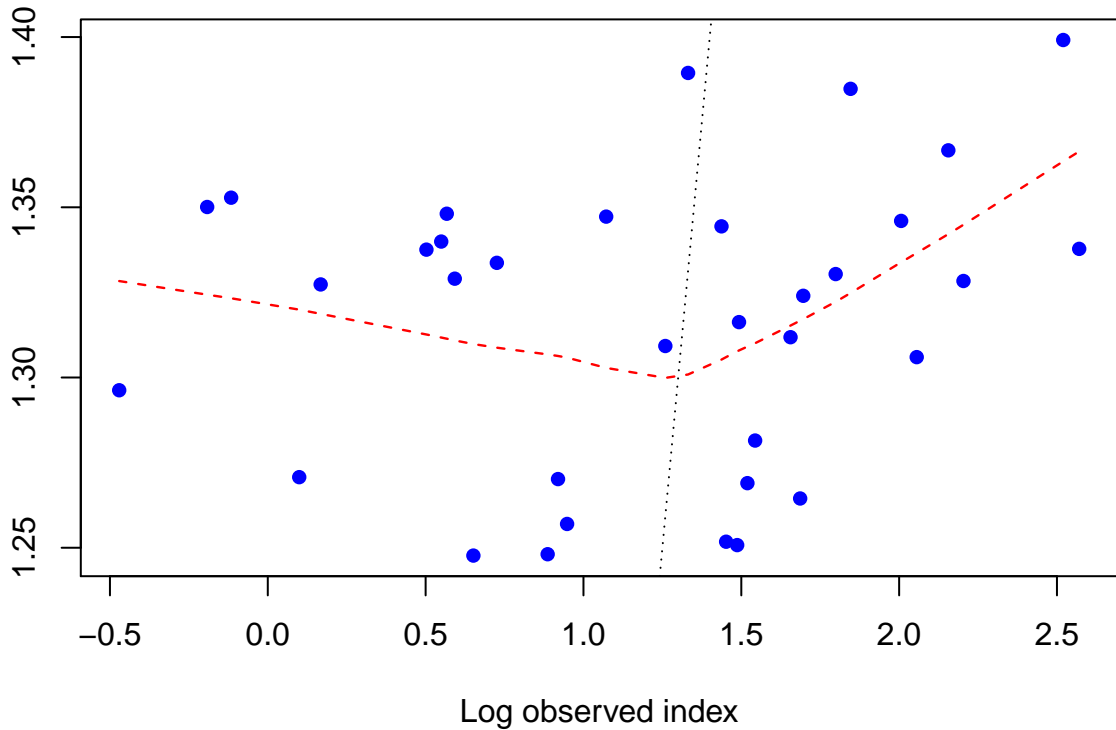
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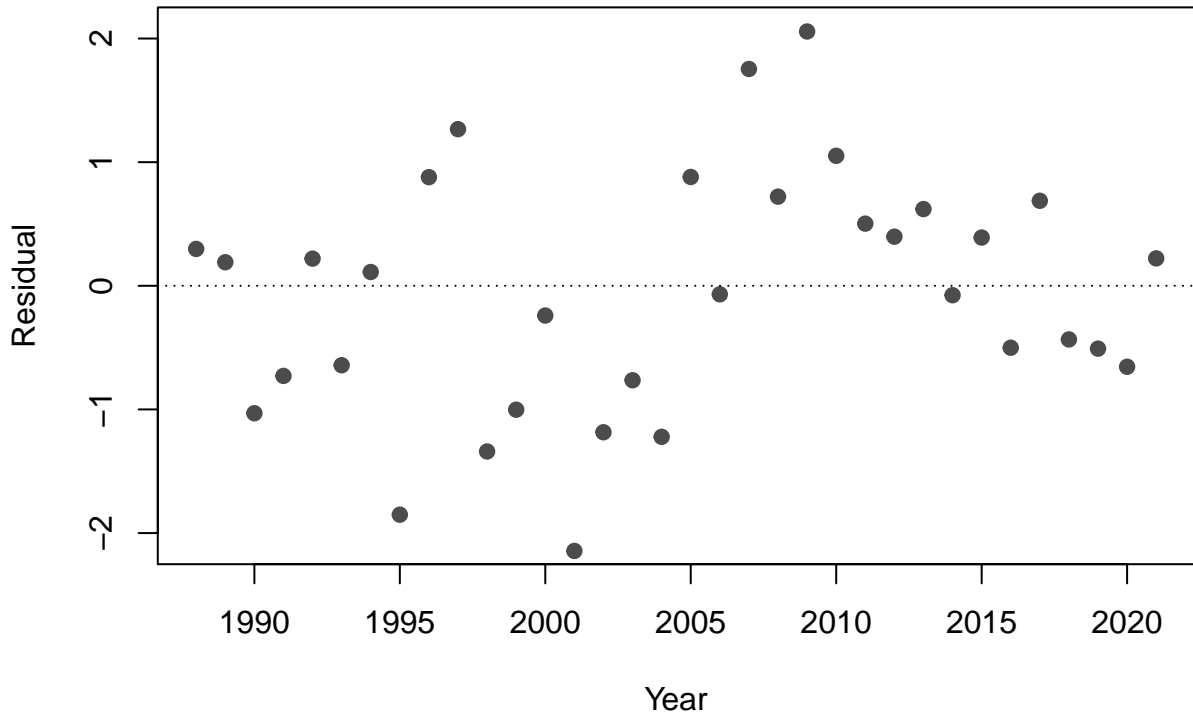


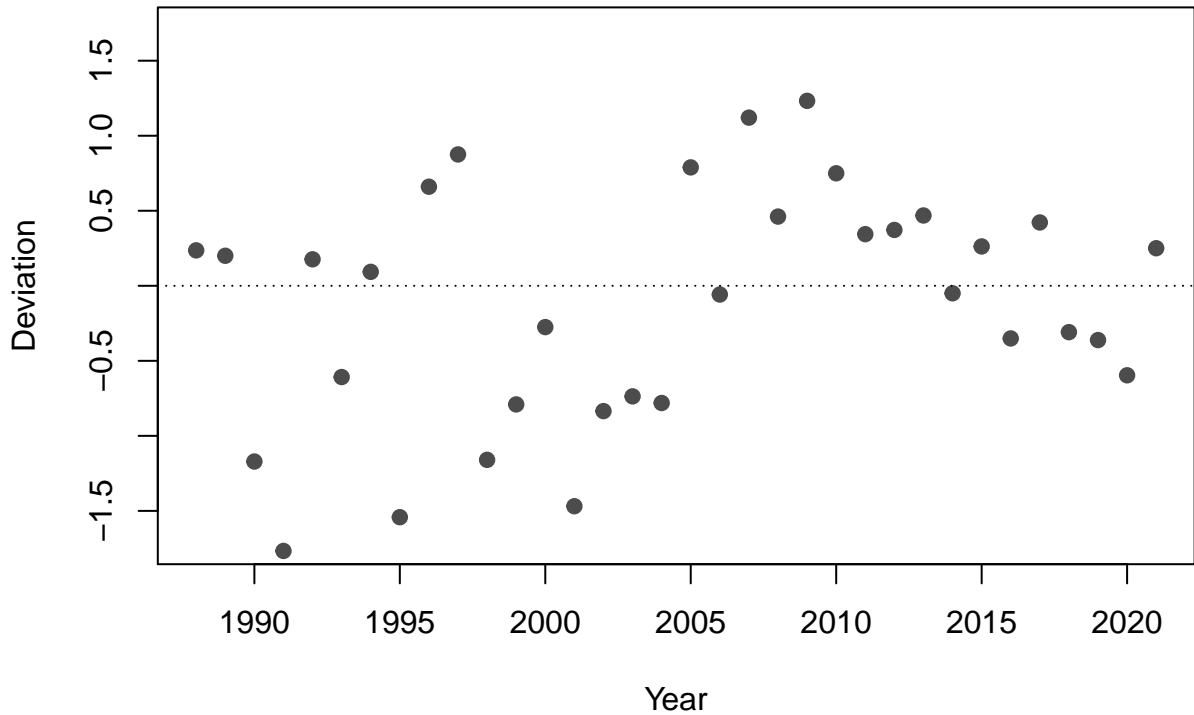
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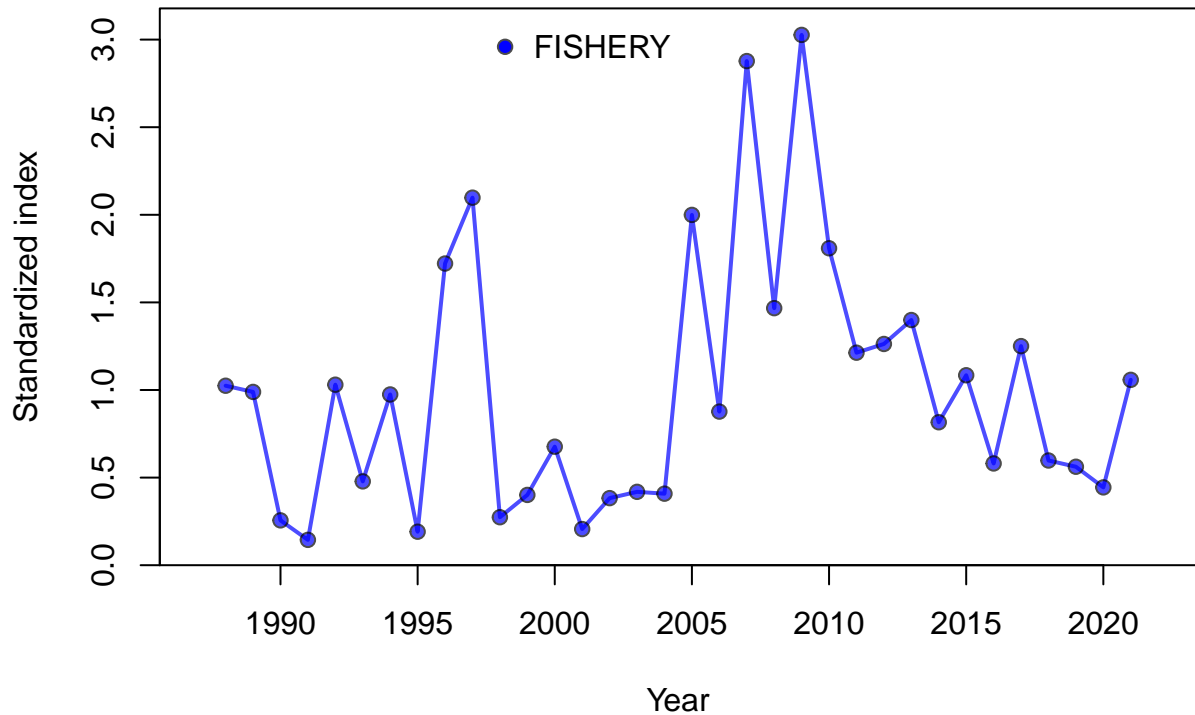


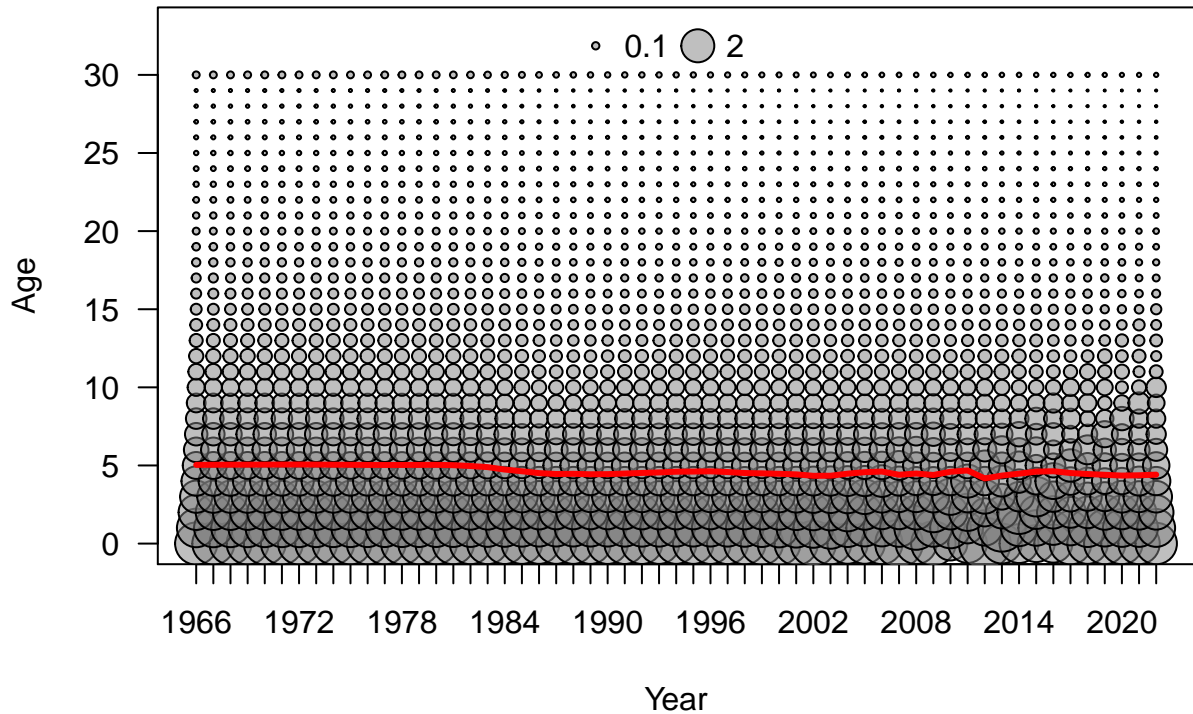
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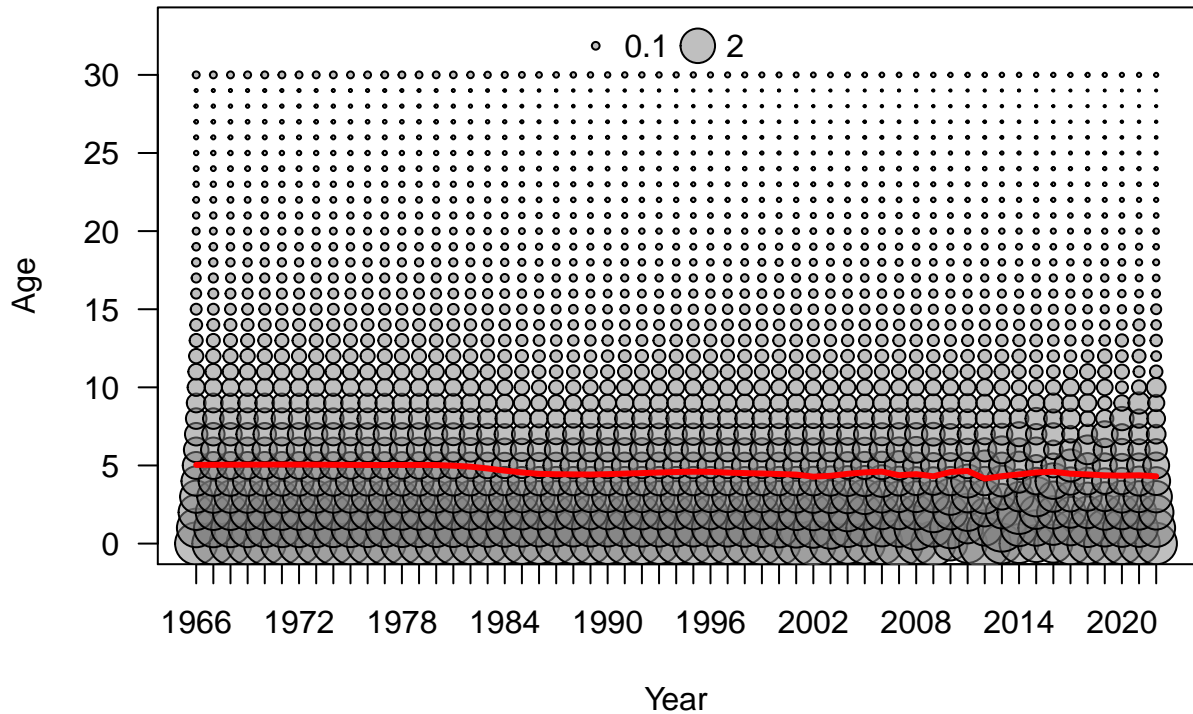












Length

120

100

80

60

40

20

0

○ 0.1 ● 2

1967

1973

1979

1985

1991

1997

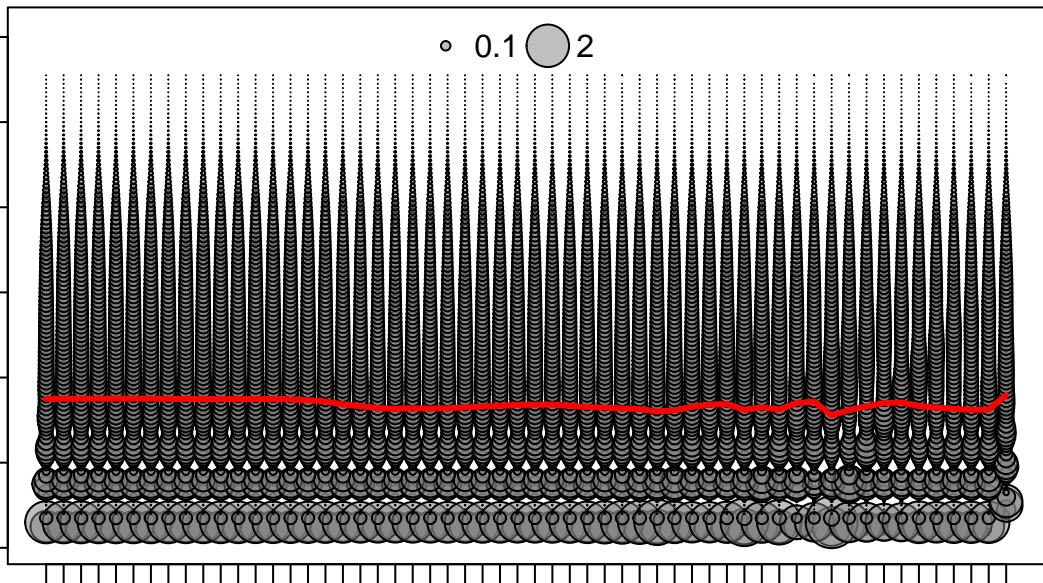
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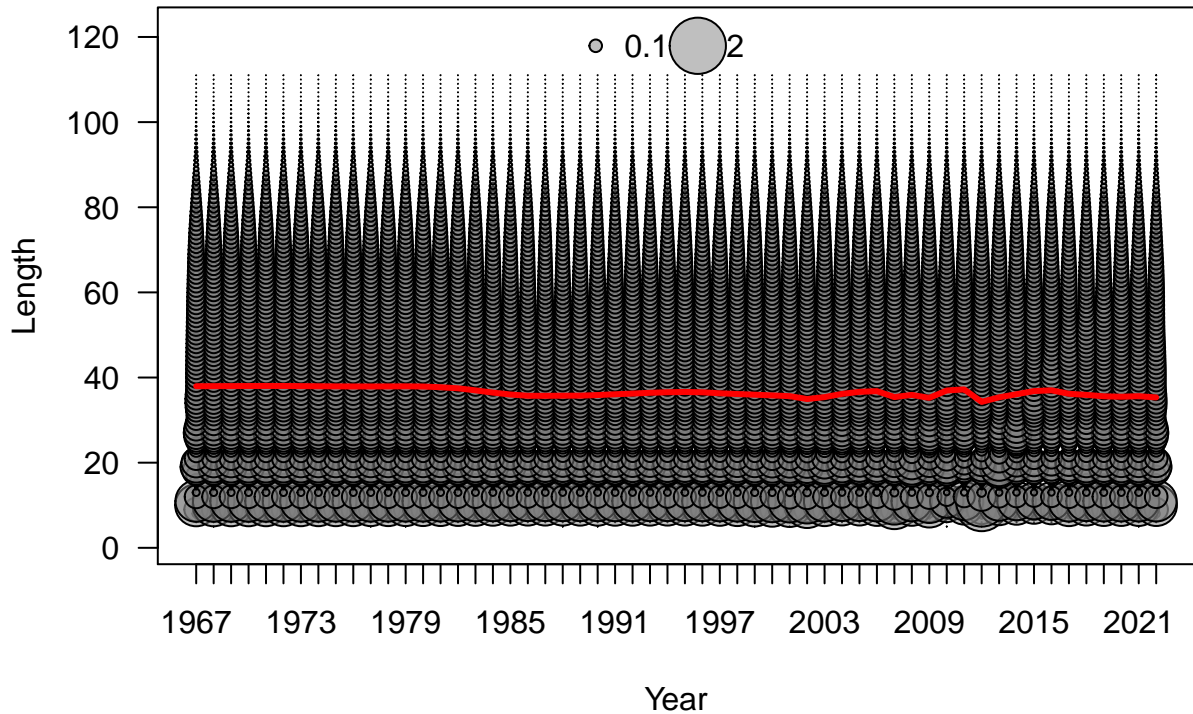
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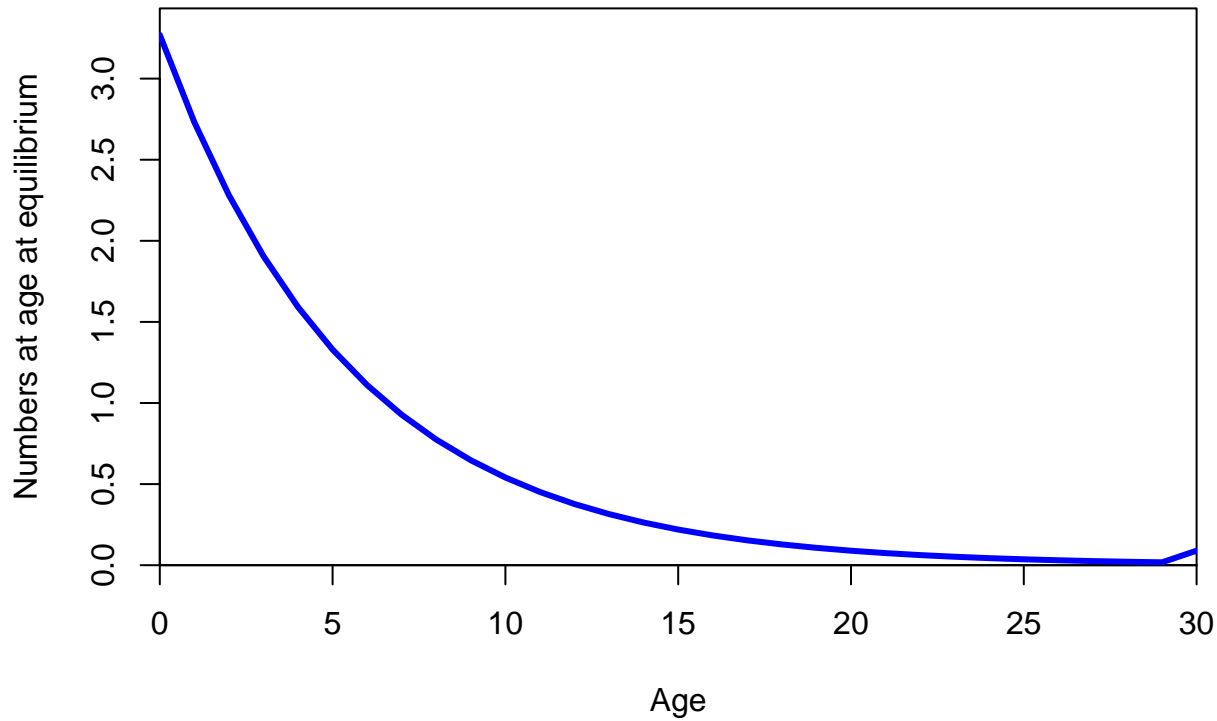
2015

2021

Year

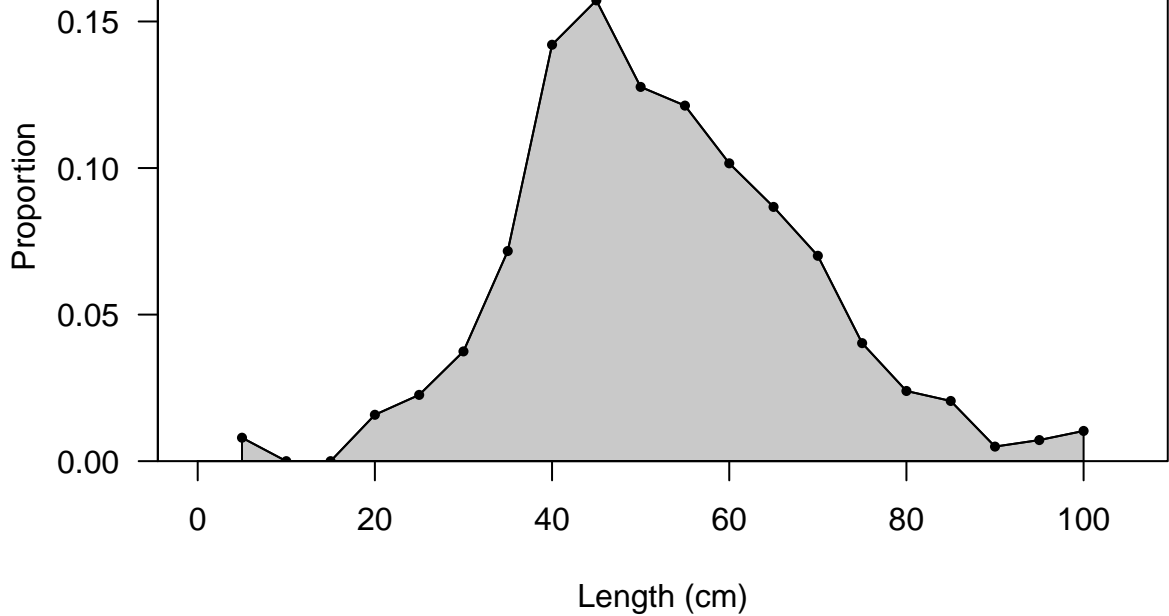


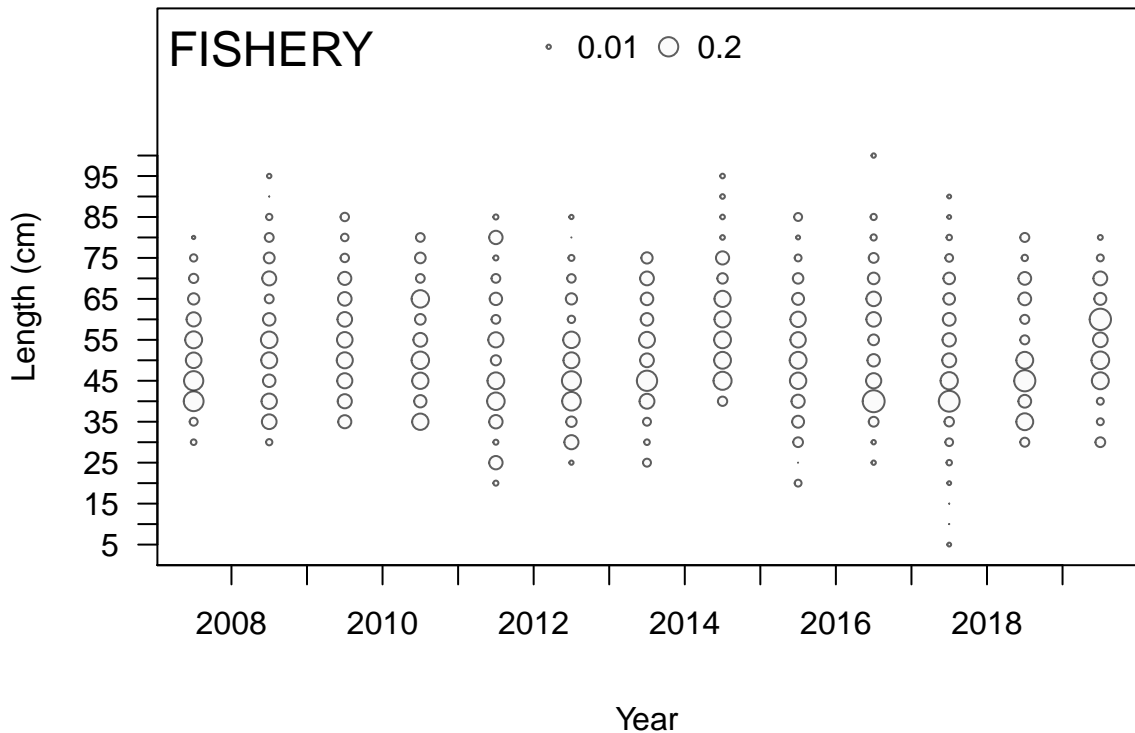




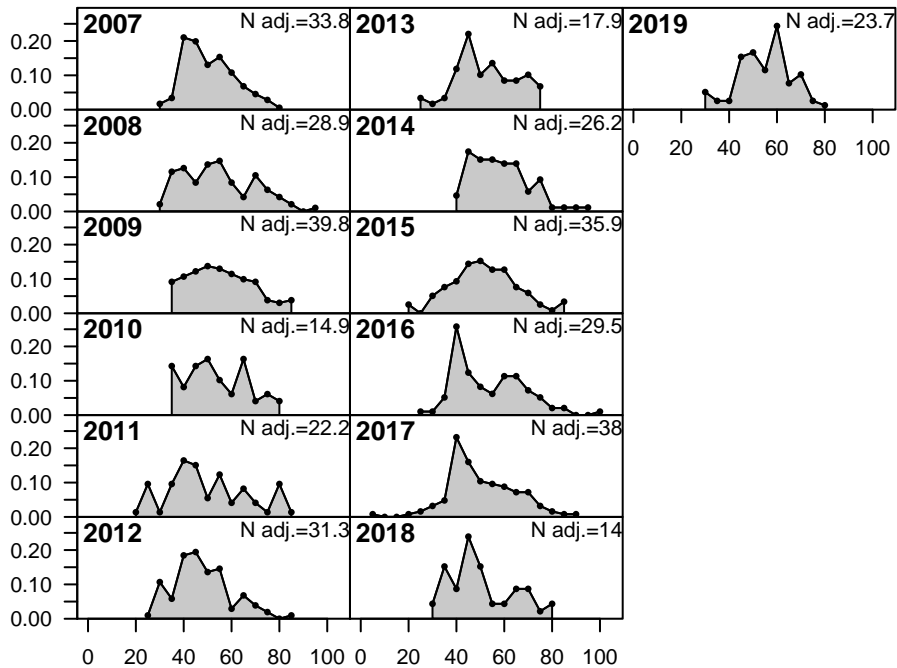
FISHERY

Sum of N adj.=356.1

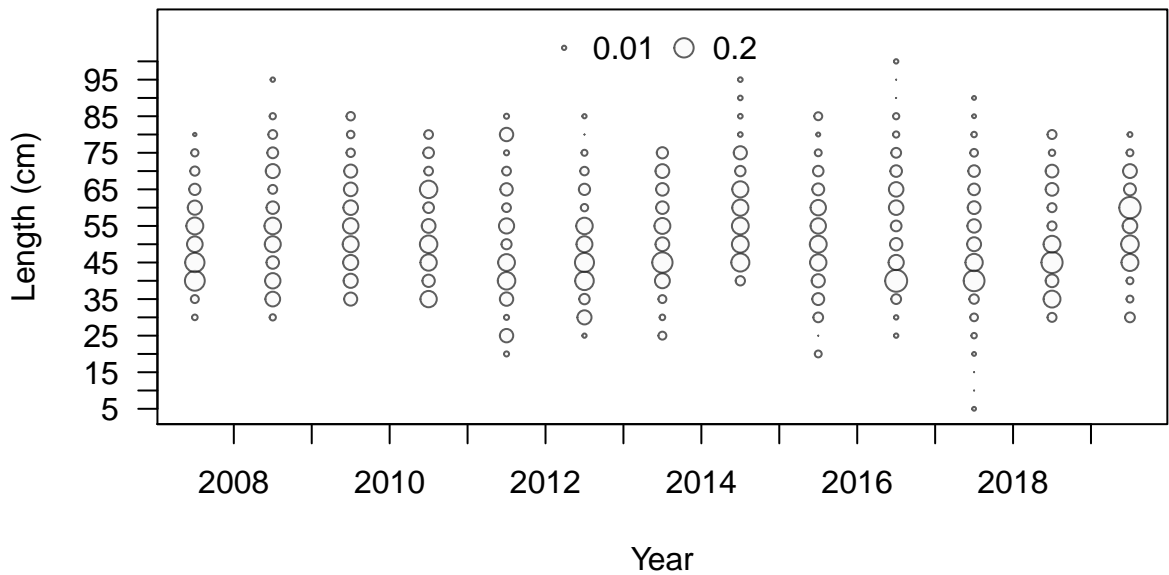




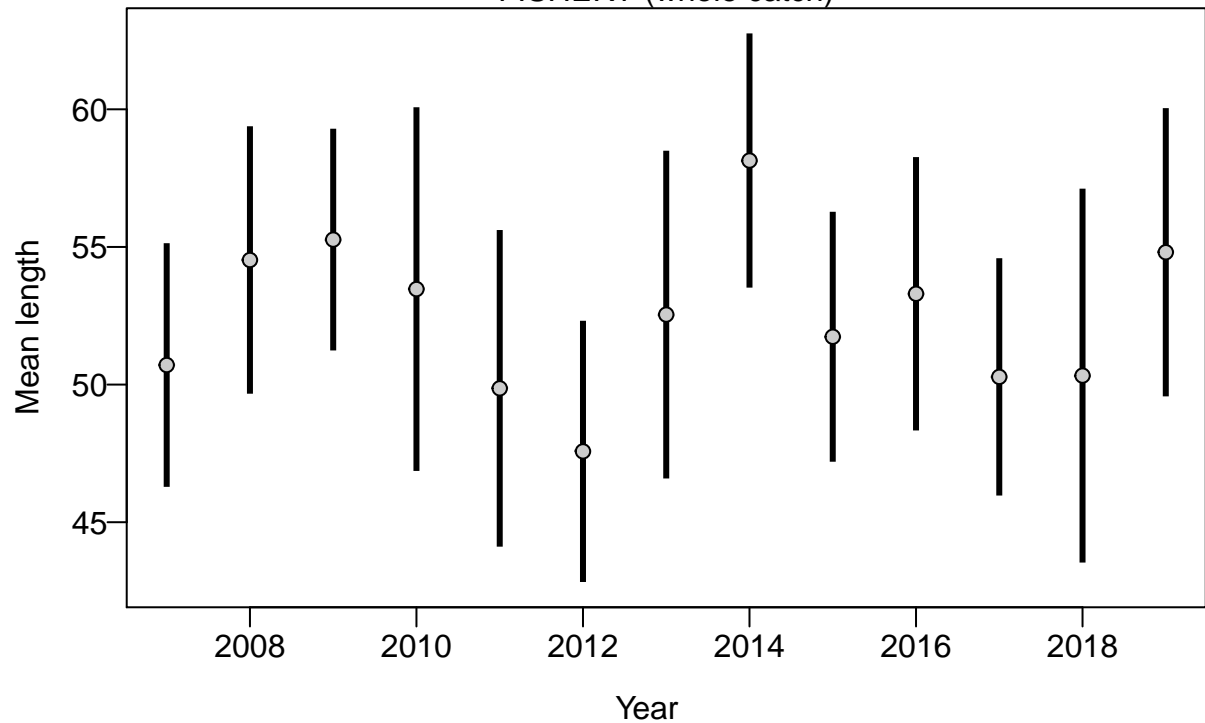
Proportion



Length (cm)

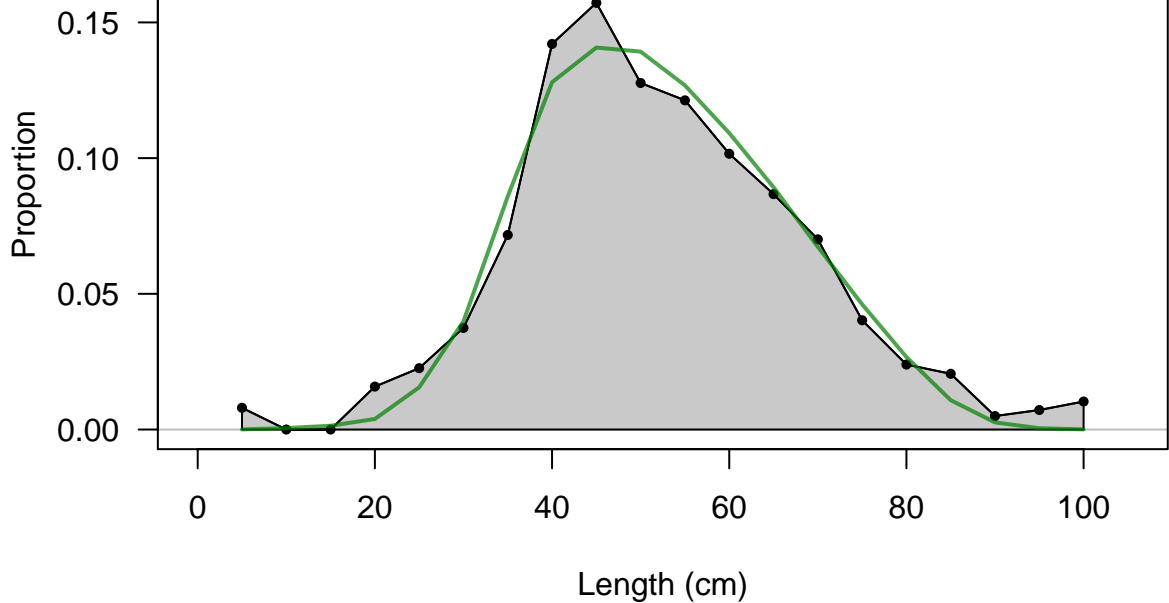


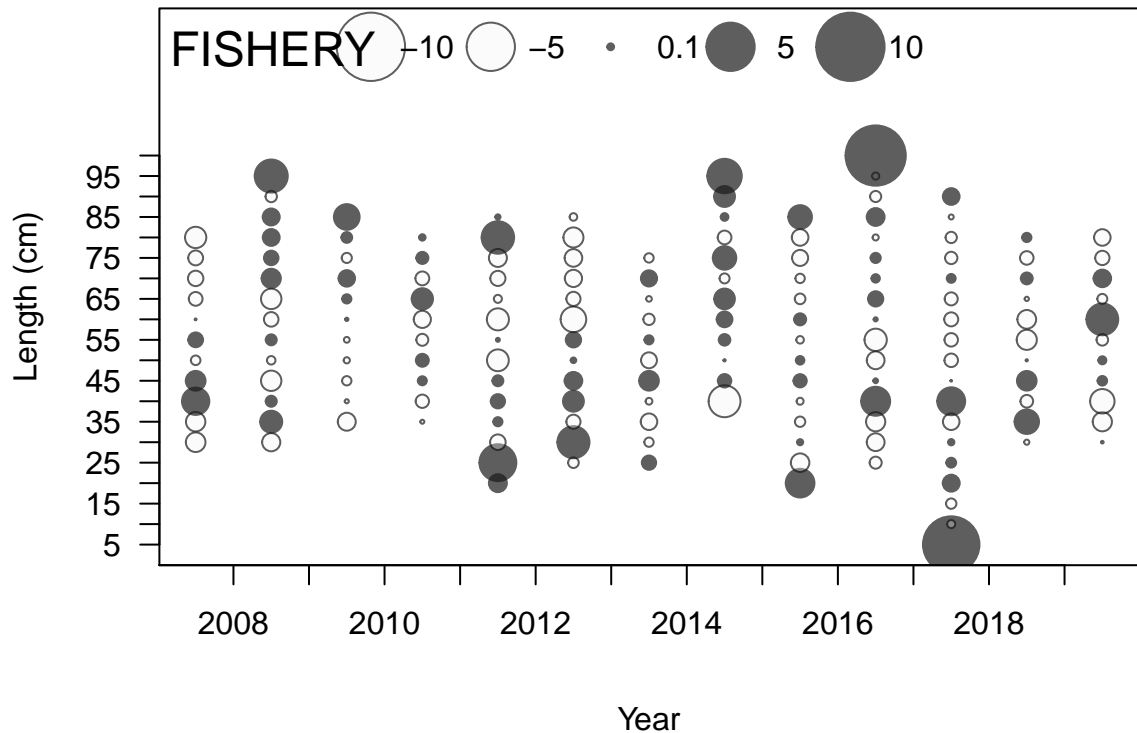
FISHERY (whole catch)



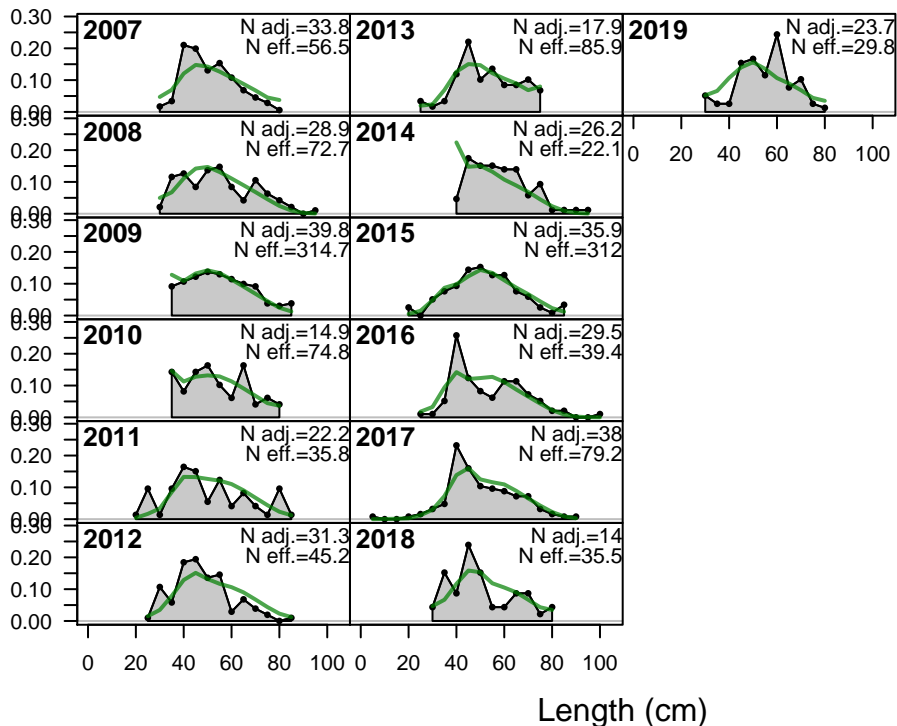
FISHERY

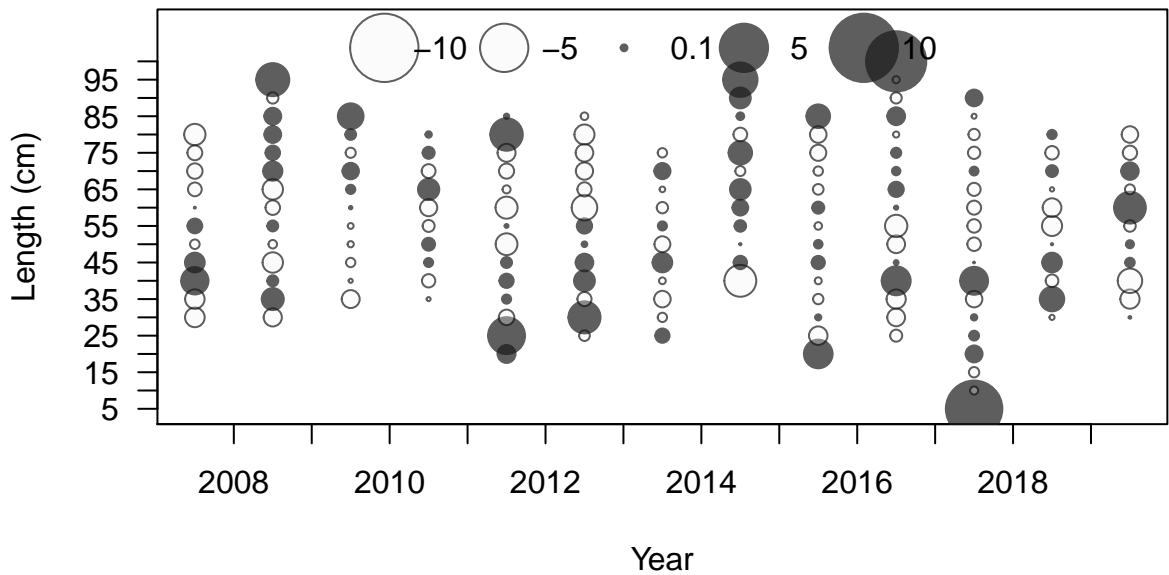
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Sum of N eff.=1203.7

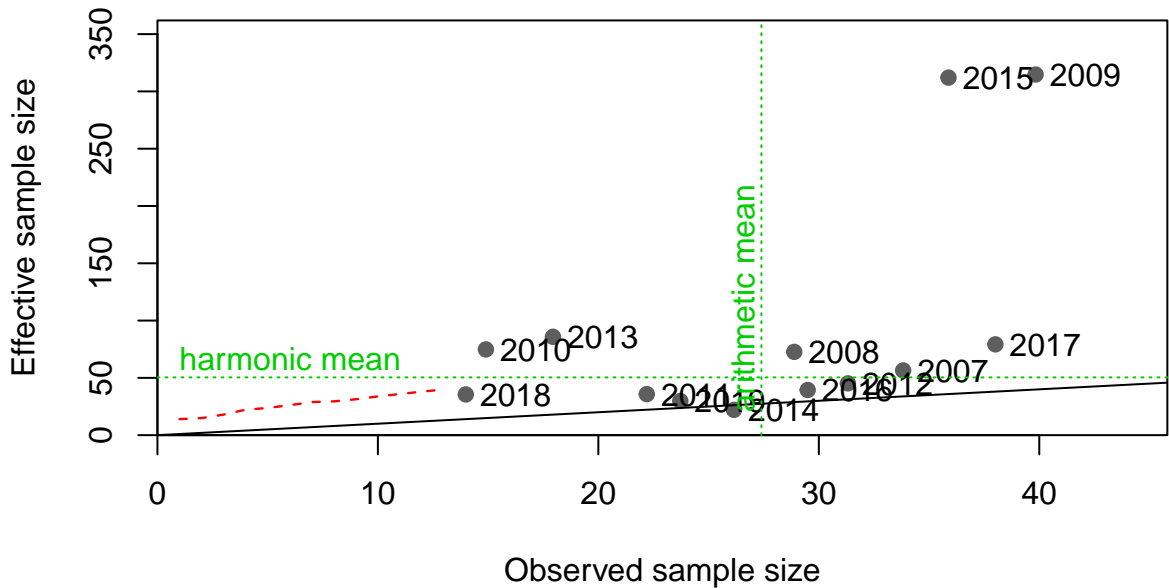




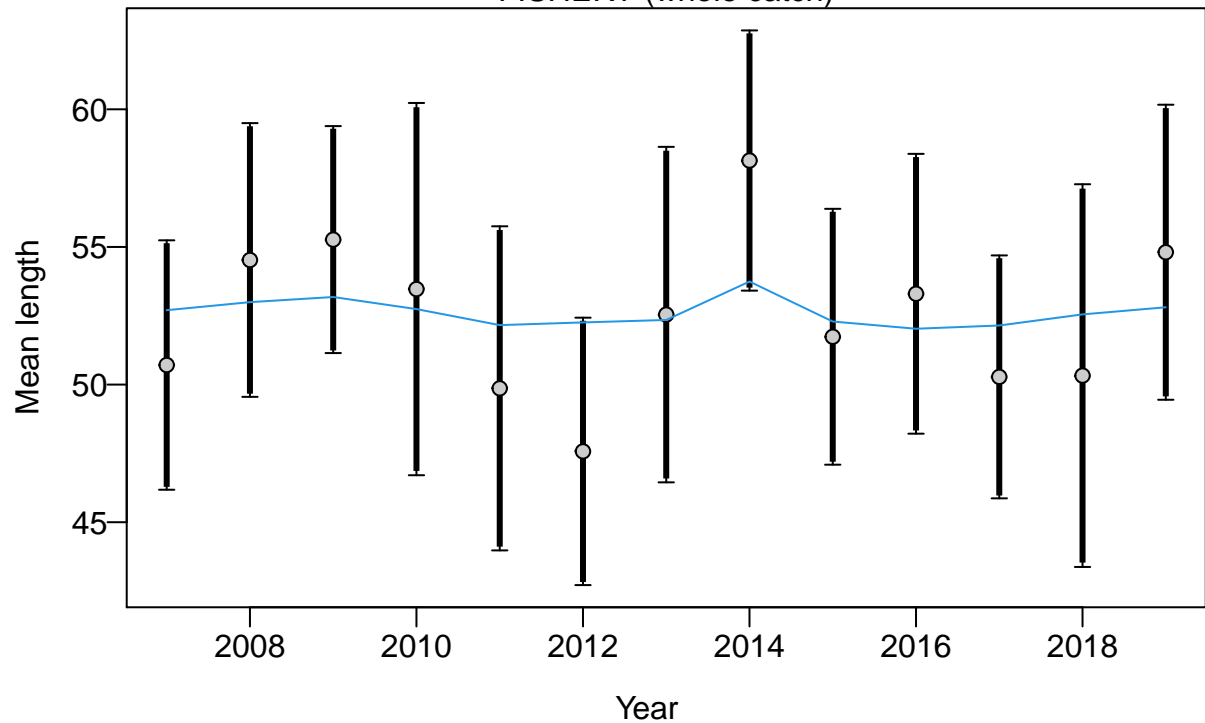
Proportion

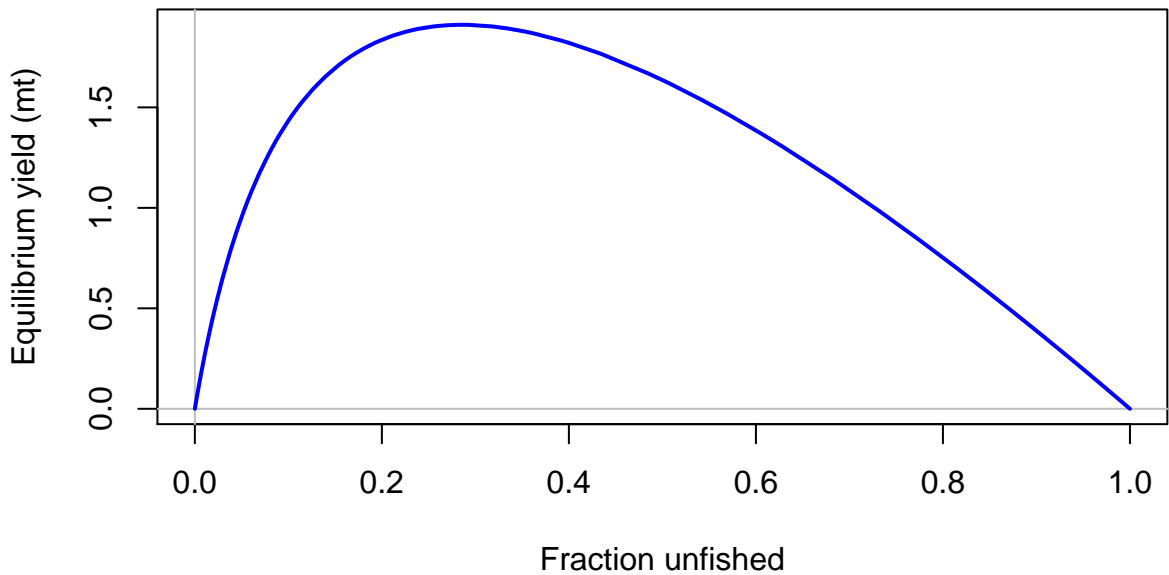


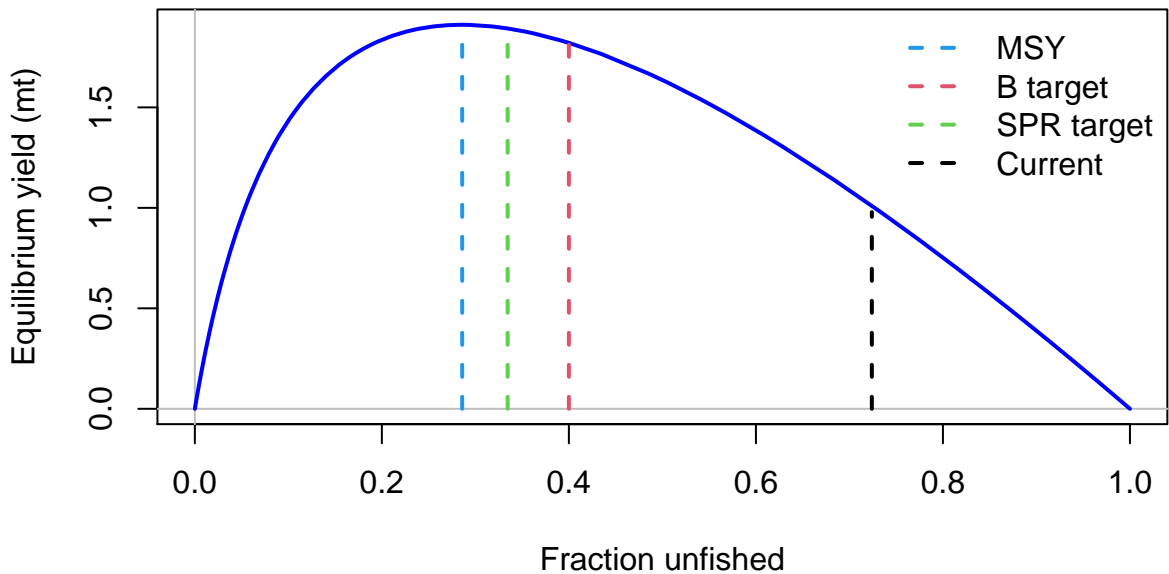


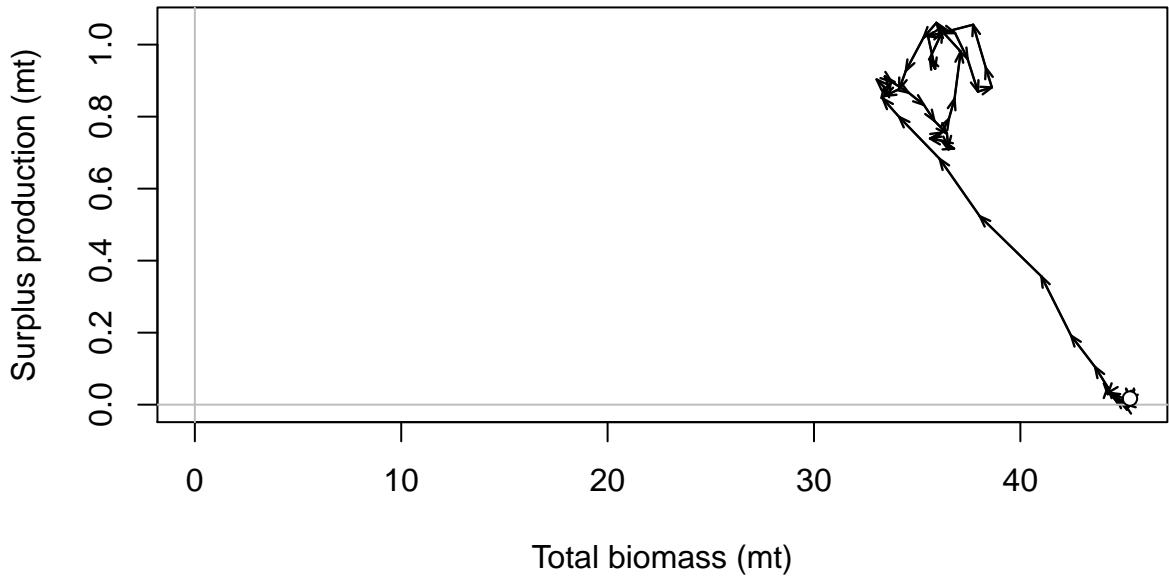


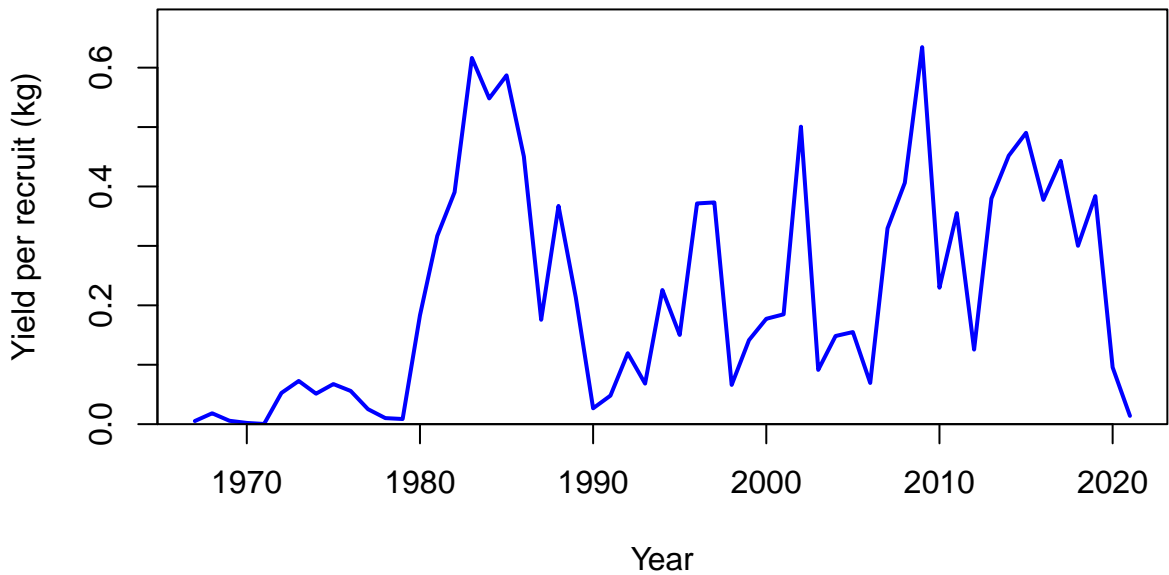
FISHERY (whole catch)

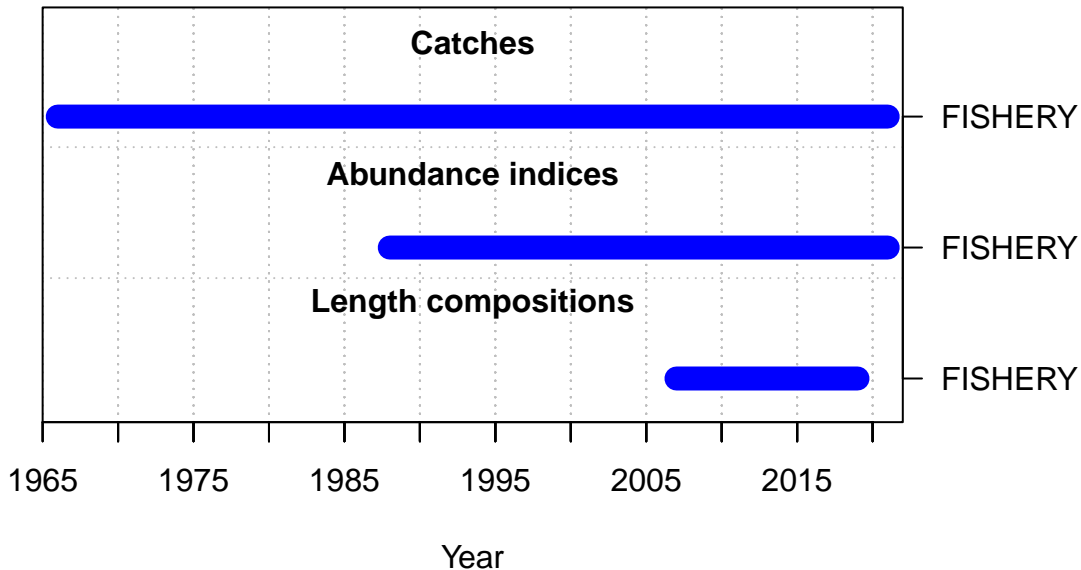


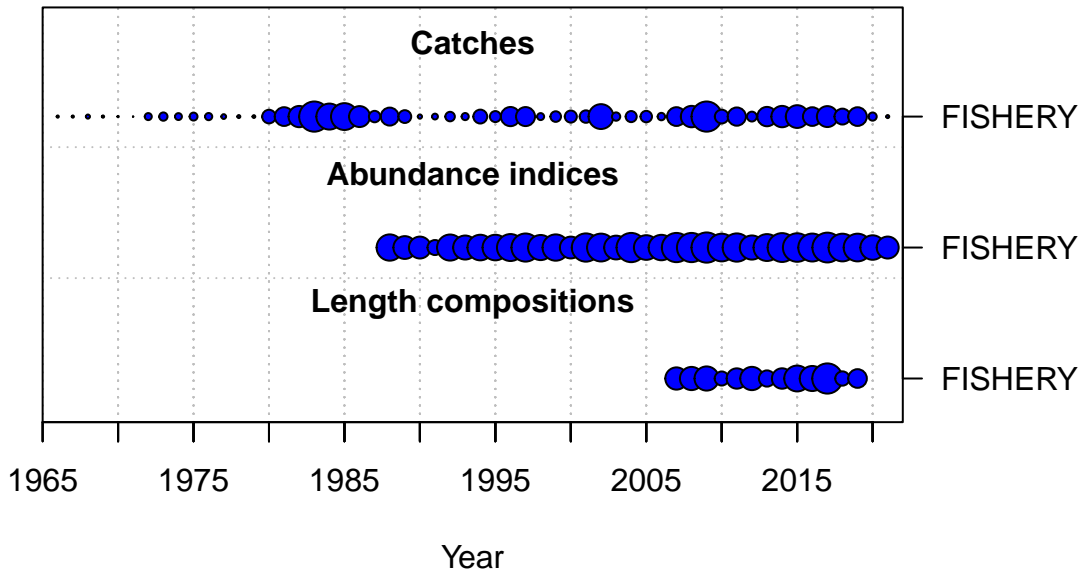




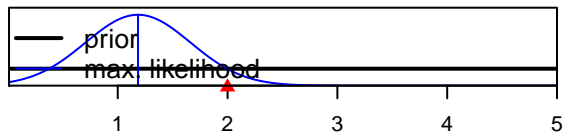




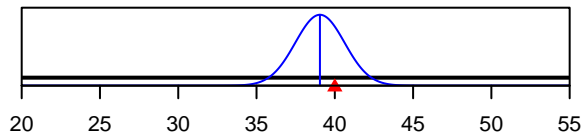




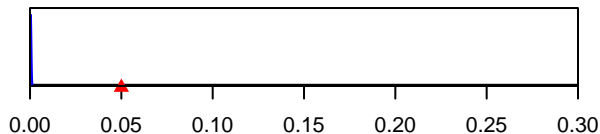
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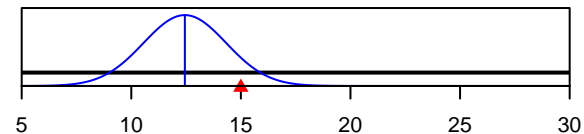
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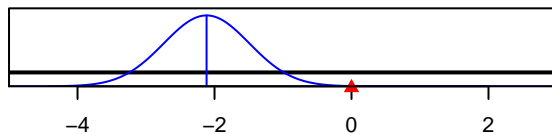
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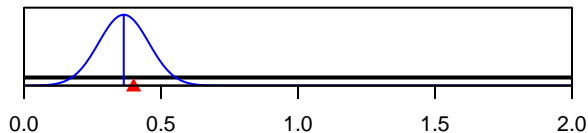
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LnQ_base_FISHERY(1)



Q_extraSD_FISHERY(1)



Parameter value