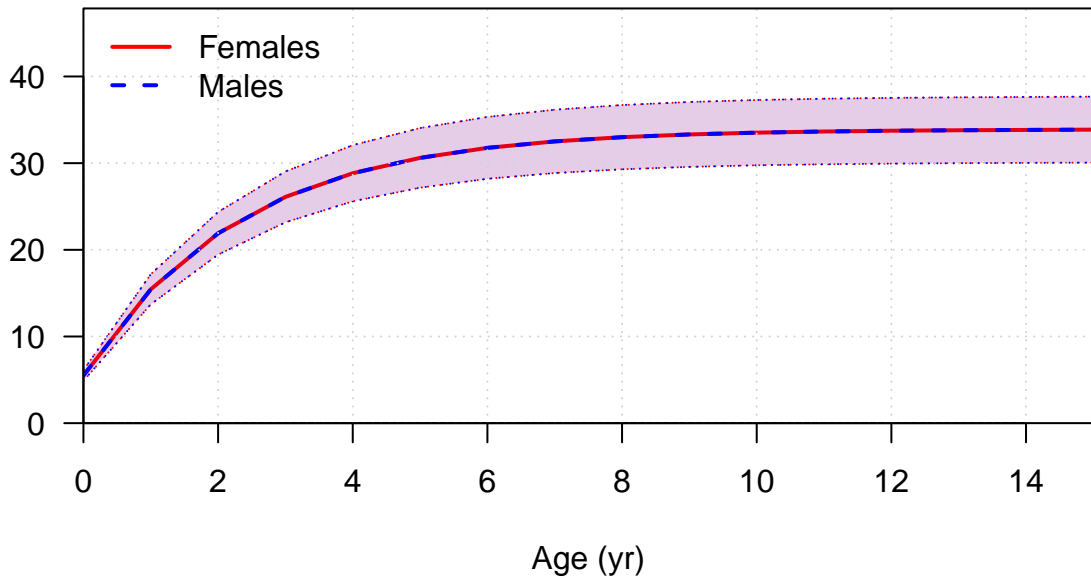
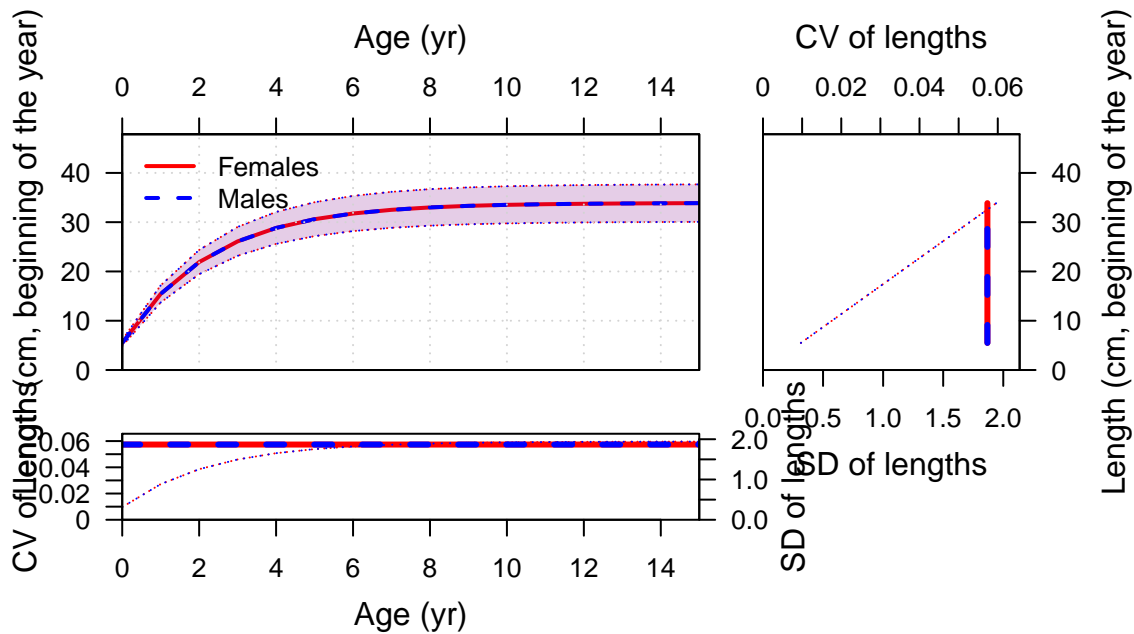
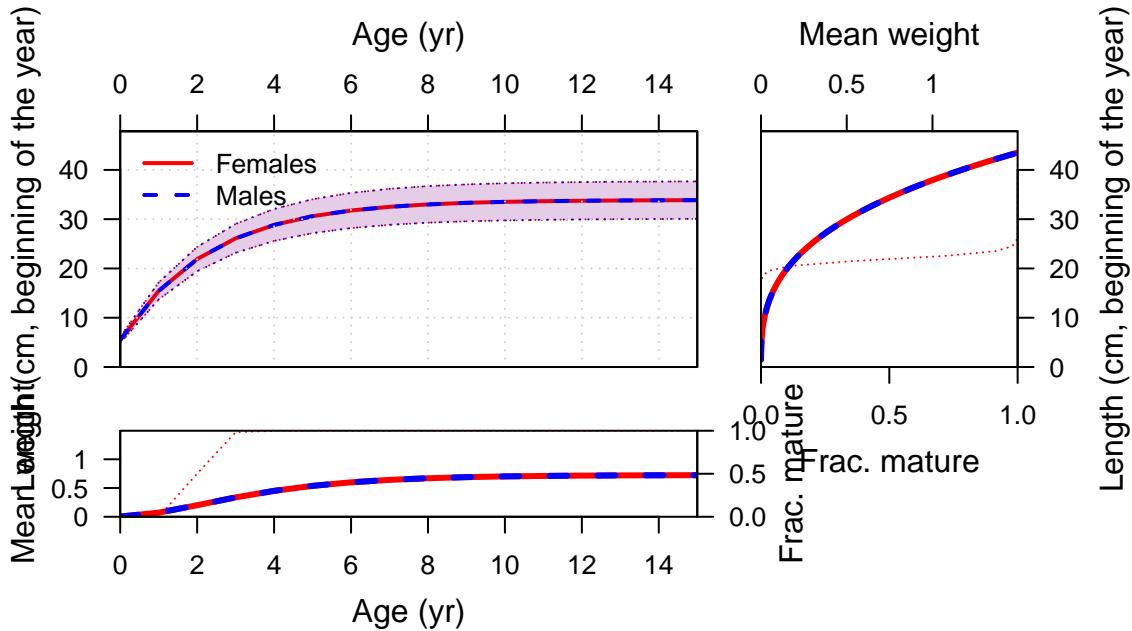


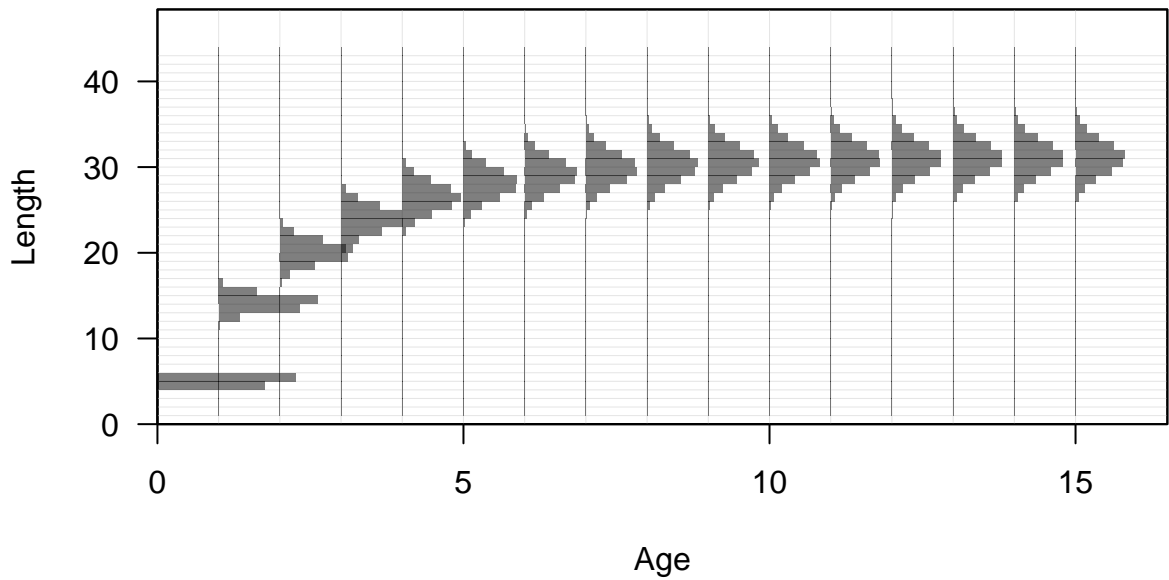
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Jan 24 12:02:23 2023
Data_File: data.ss
Control_File: control.ss

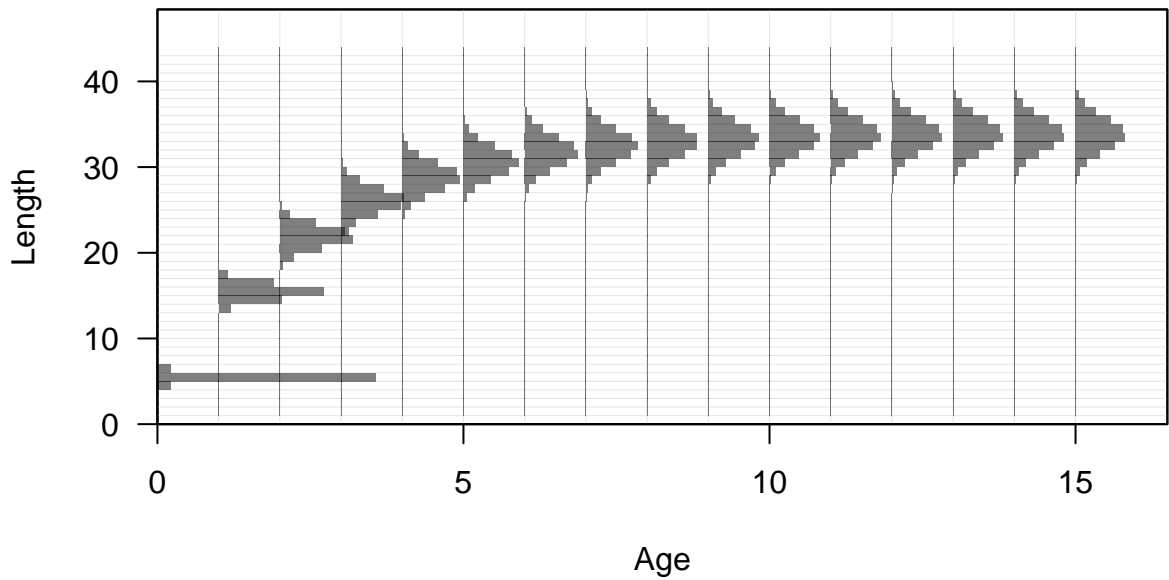
Length (cm, beginning of the year)

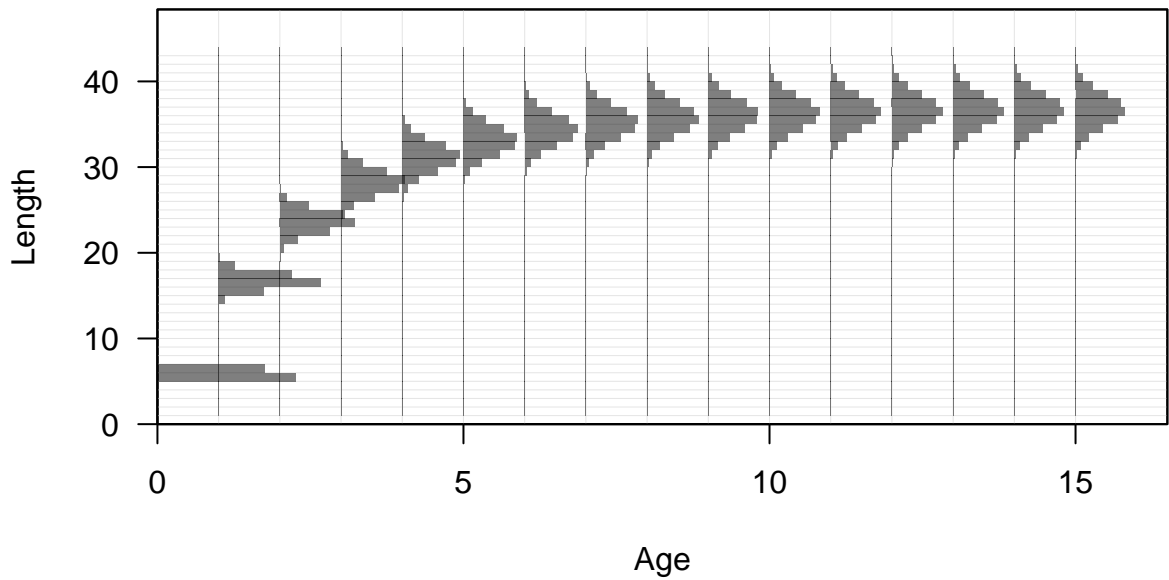


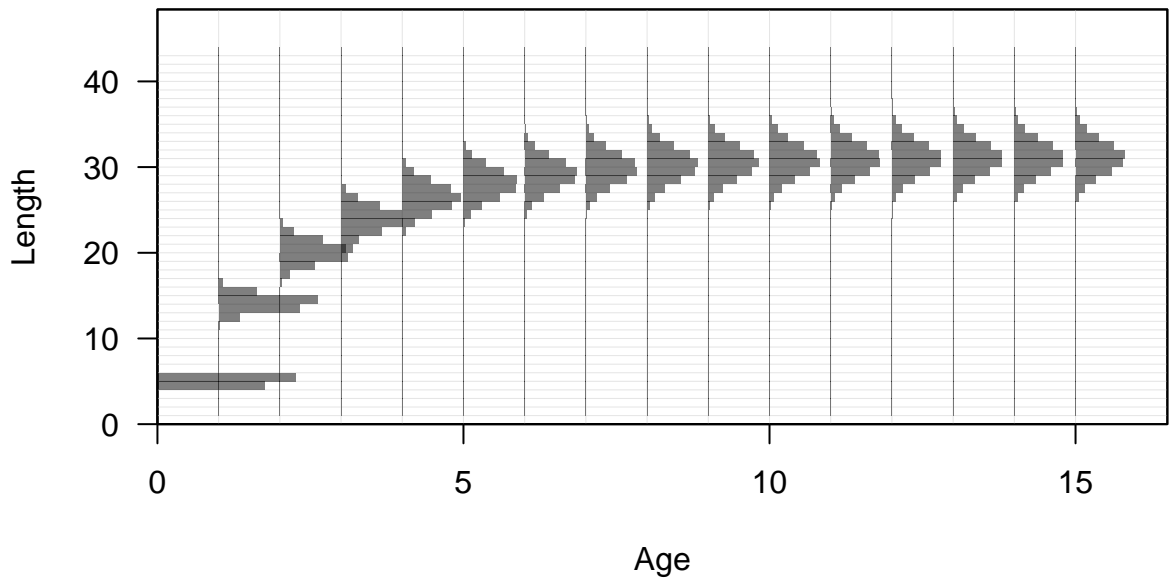


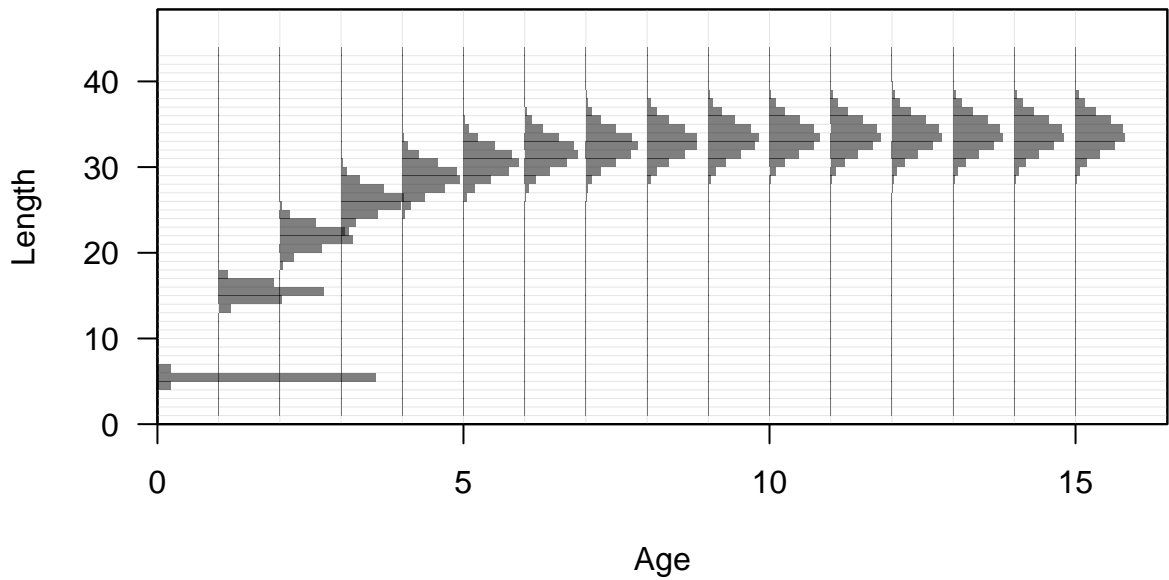


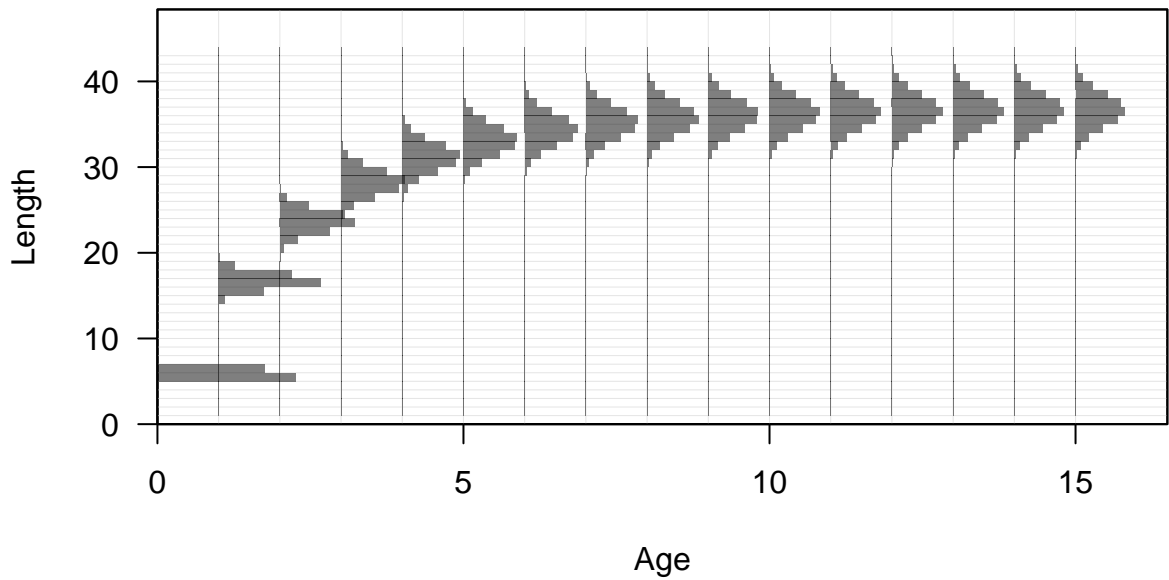


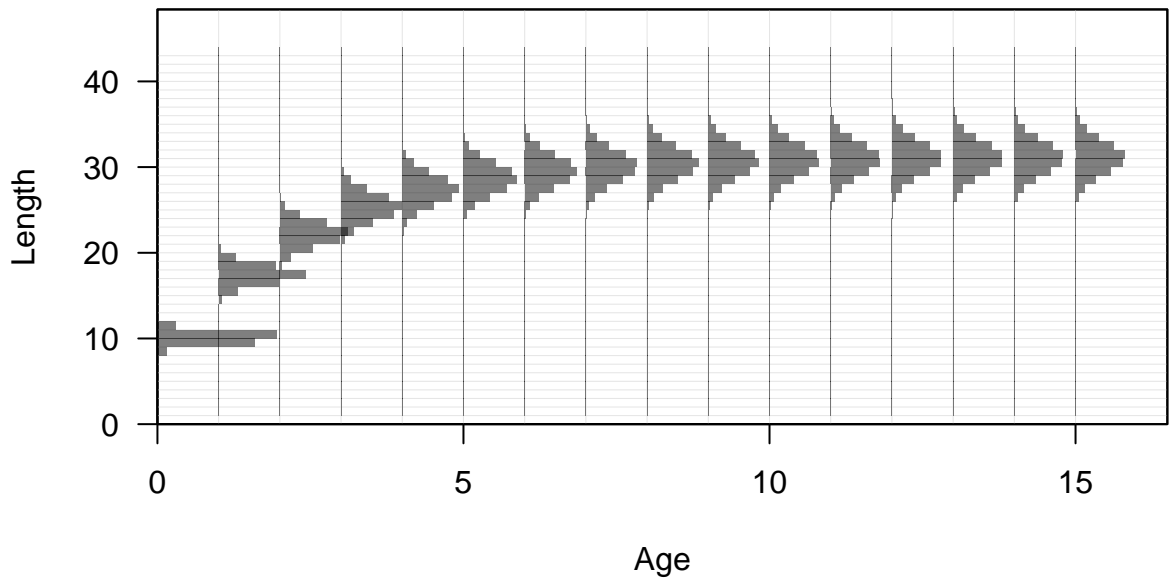


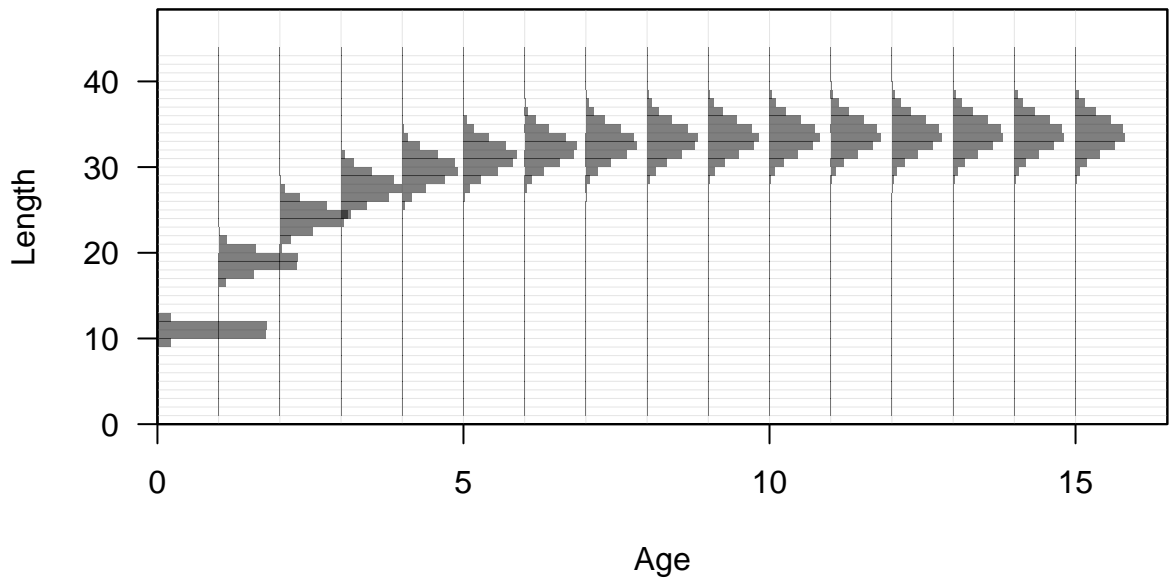


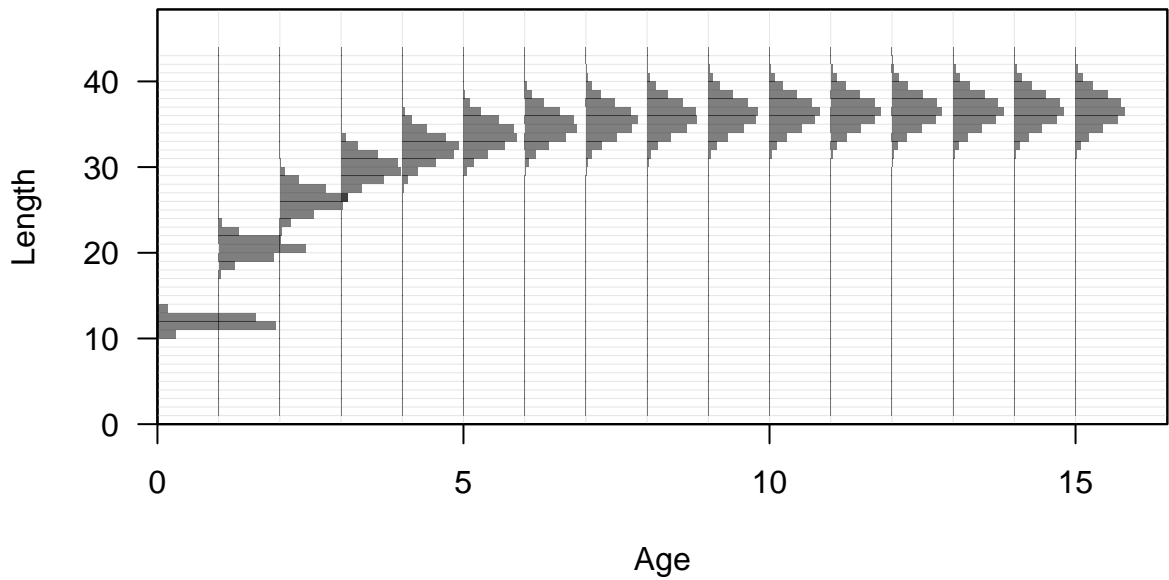


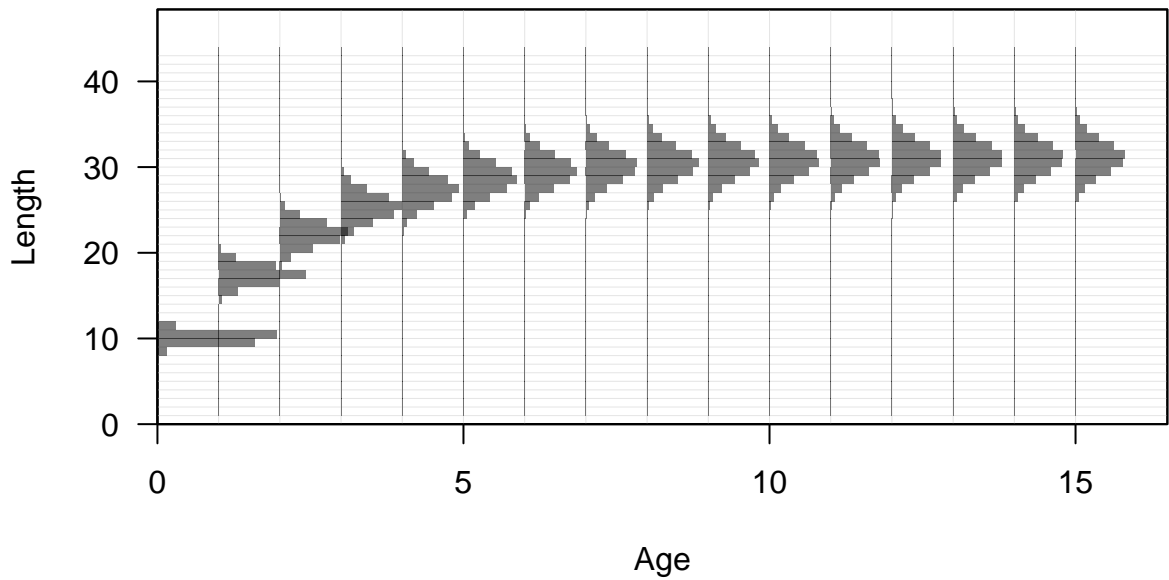


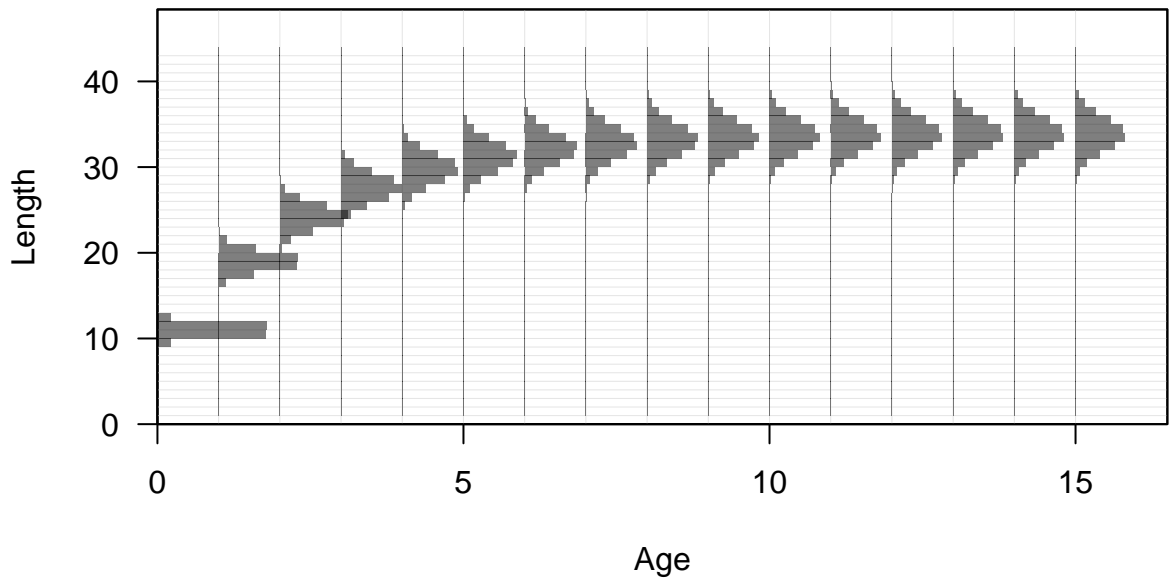


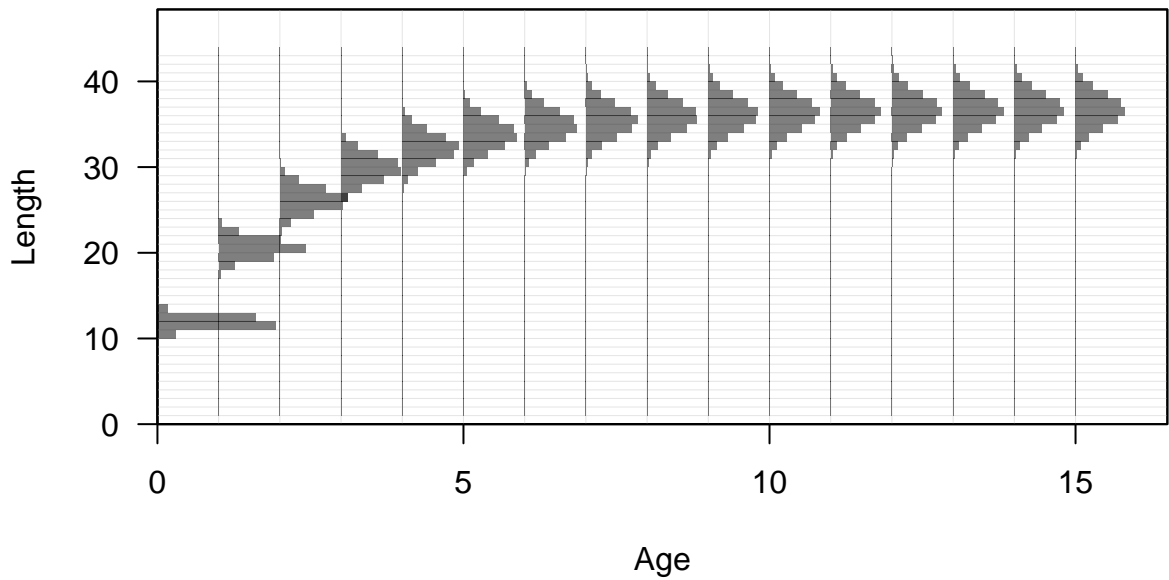


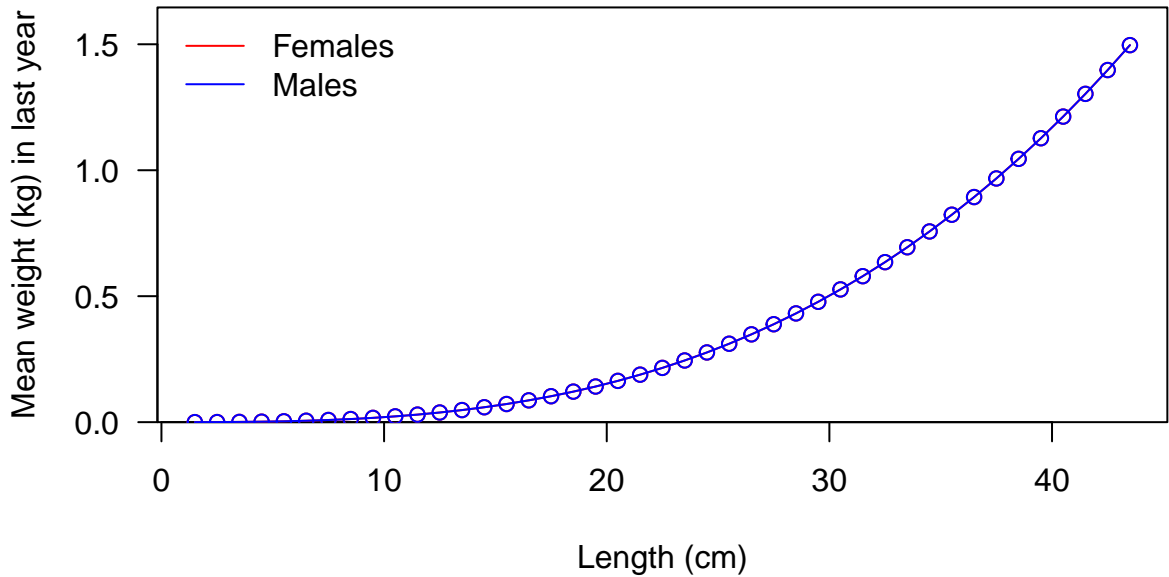


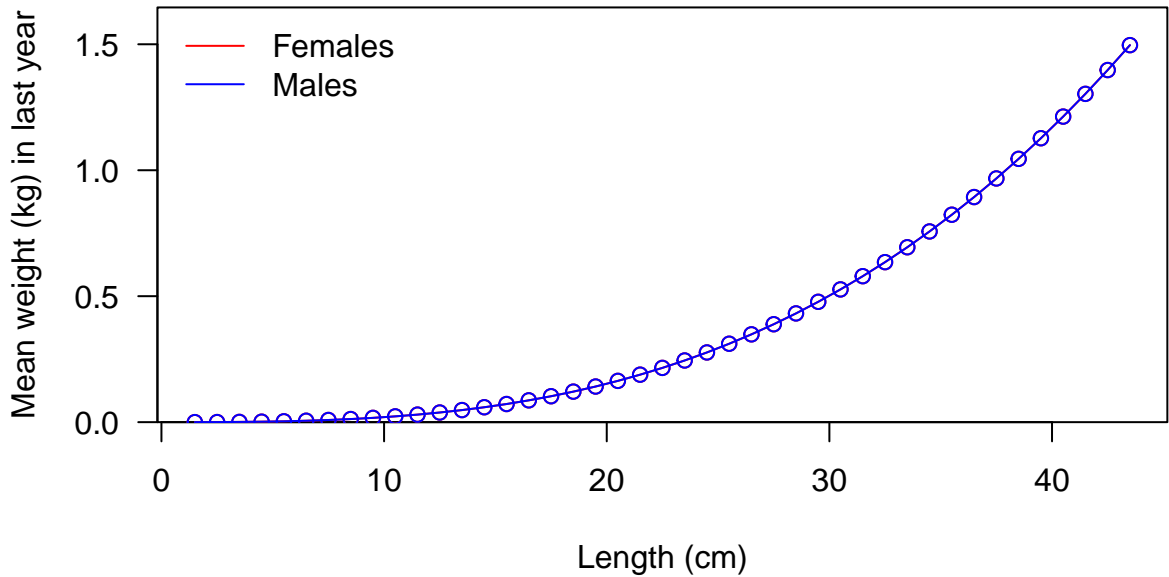


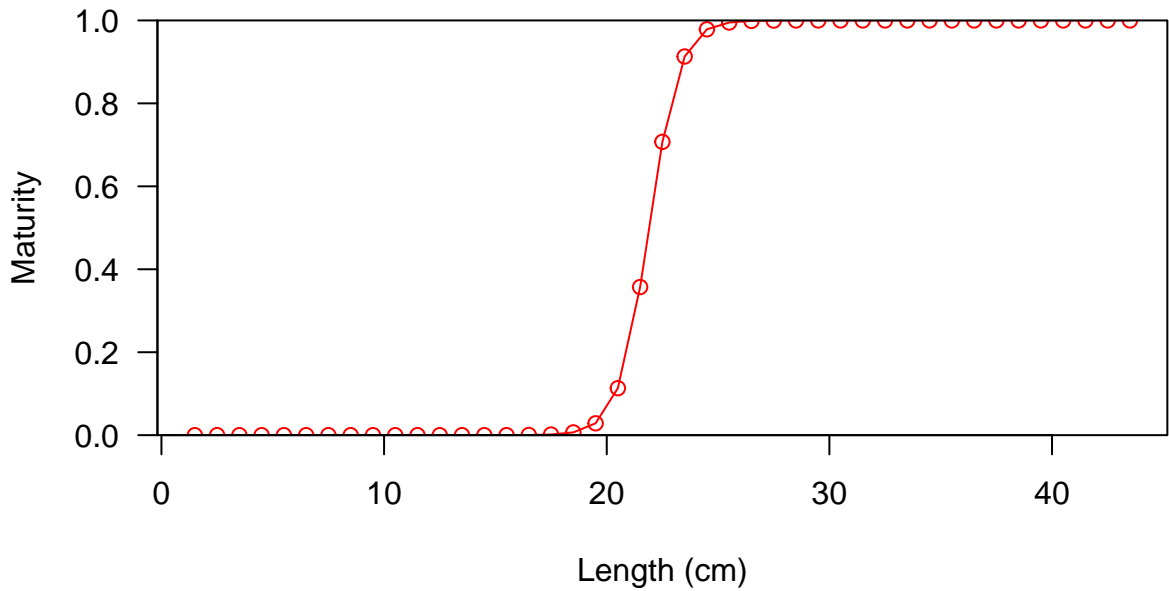


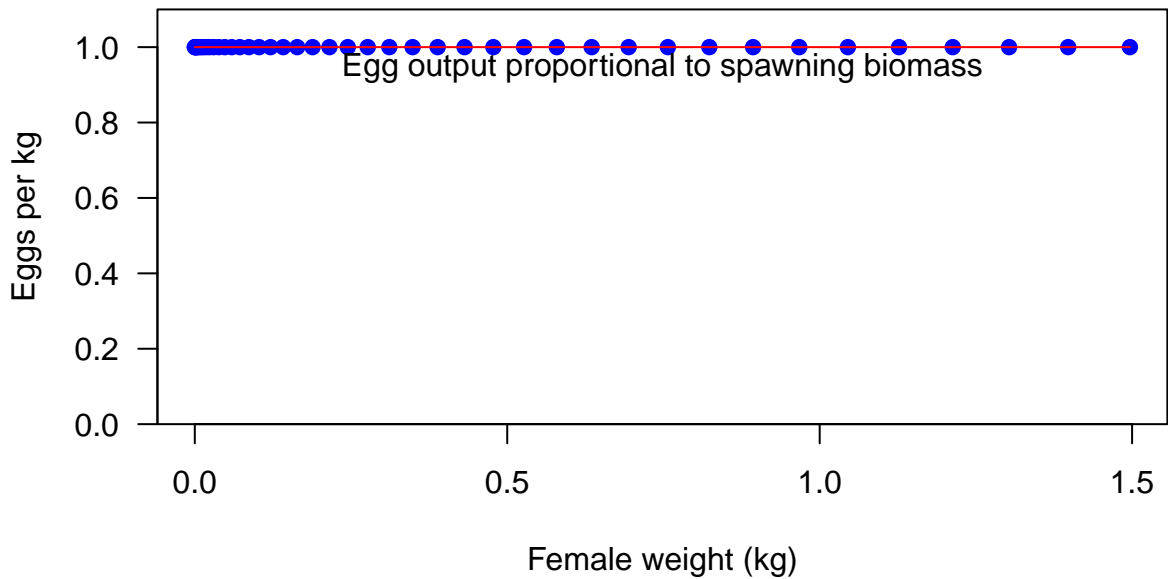


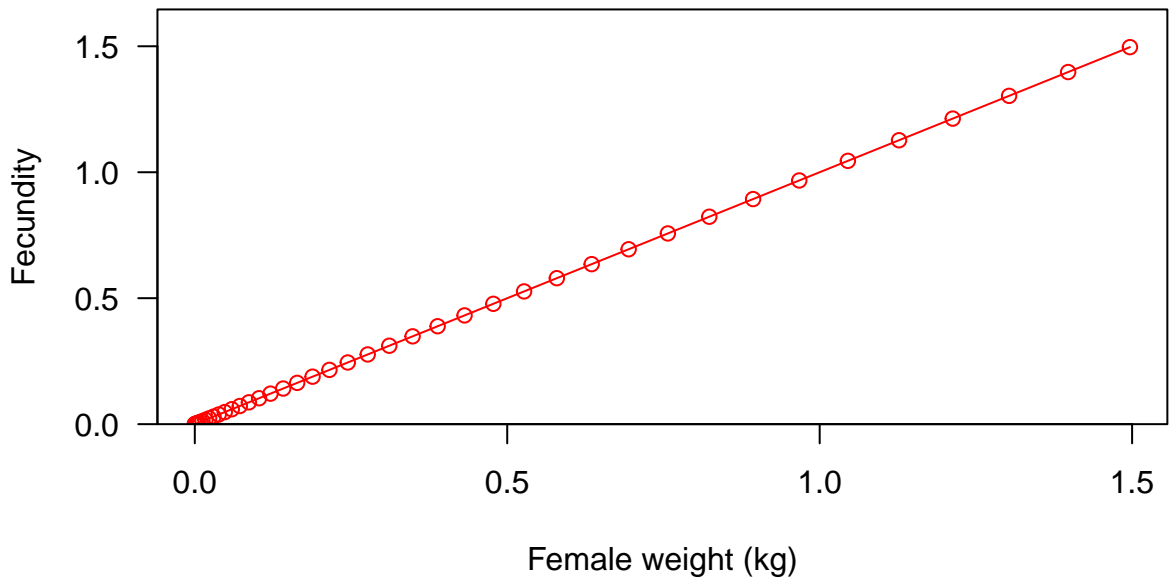


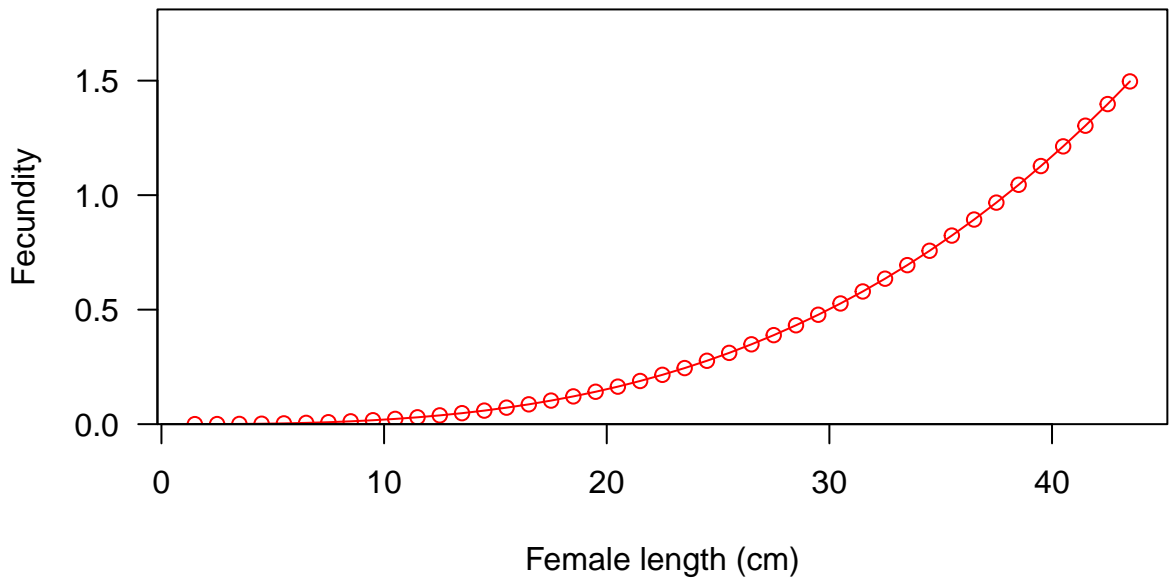


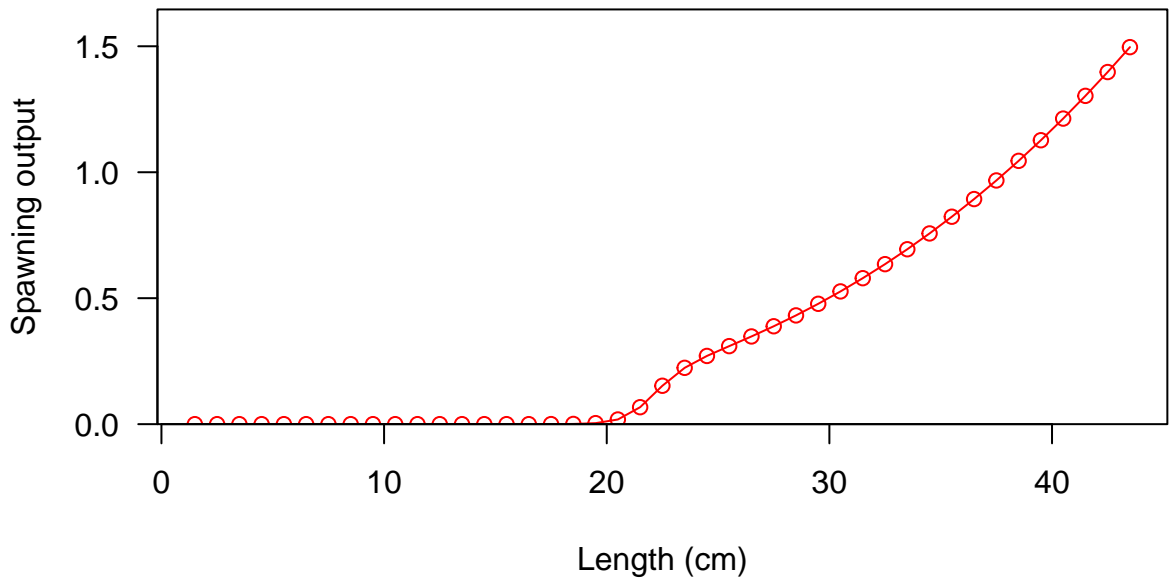


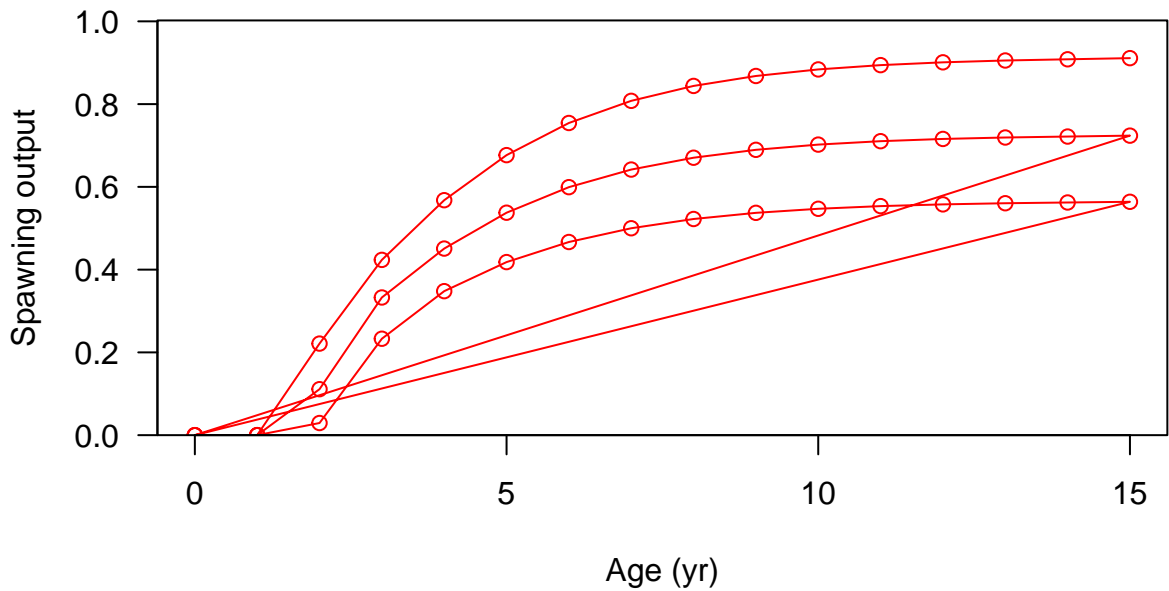




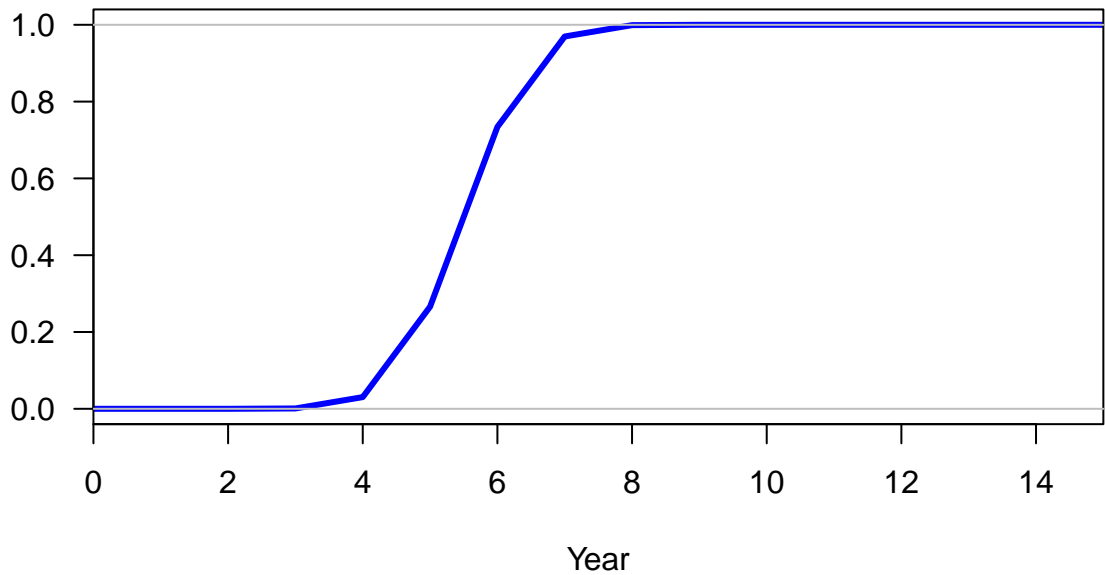




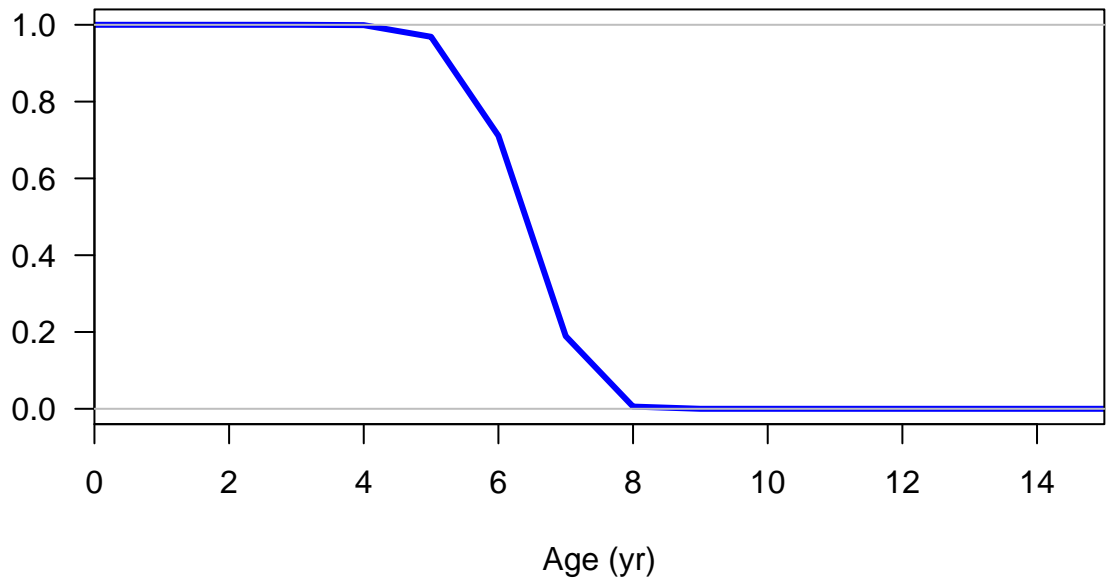




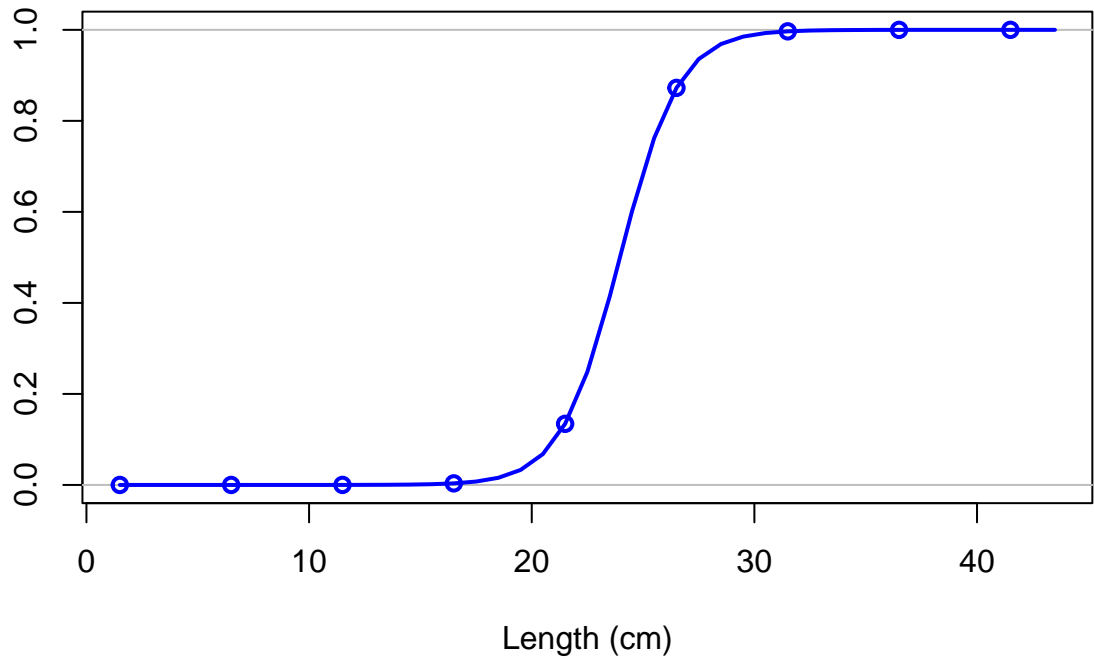
Hermaphroditism transition rate



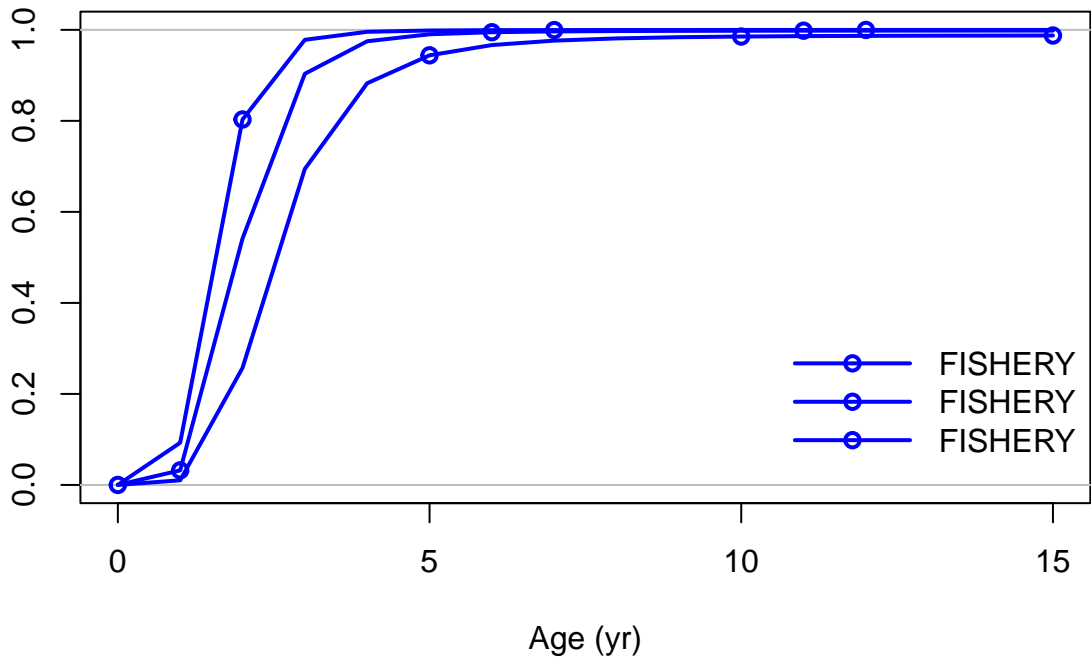
Fraction females by age at equilibrium



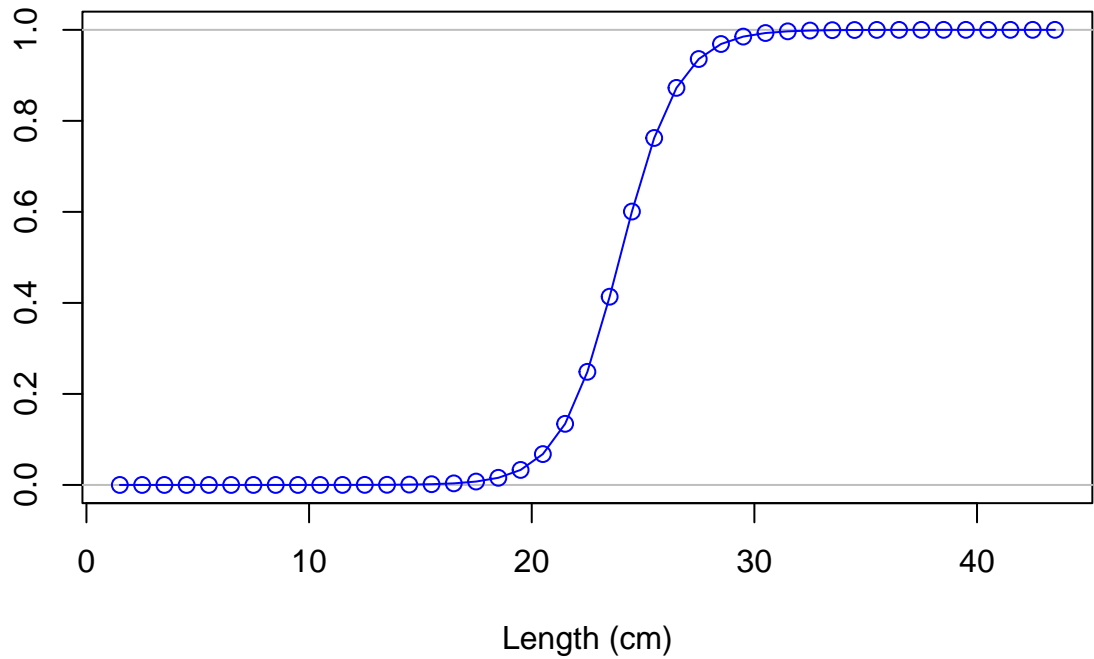
Selectivity



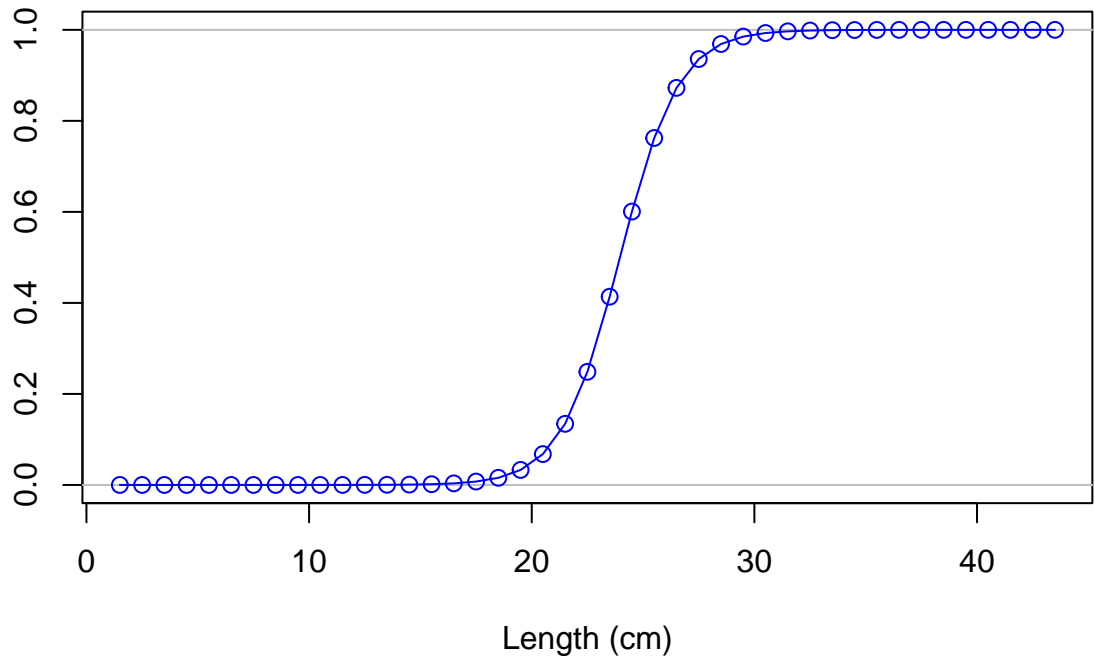
Selectivity

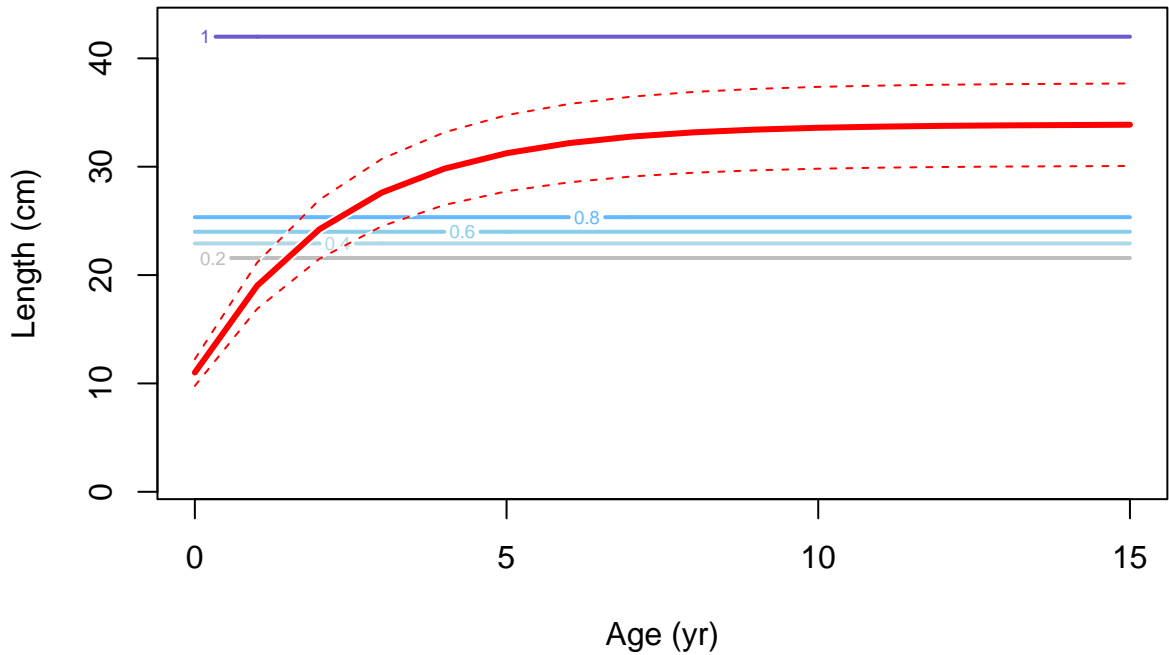


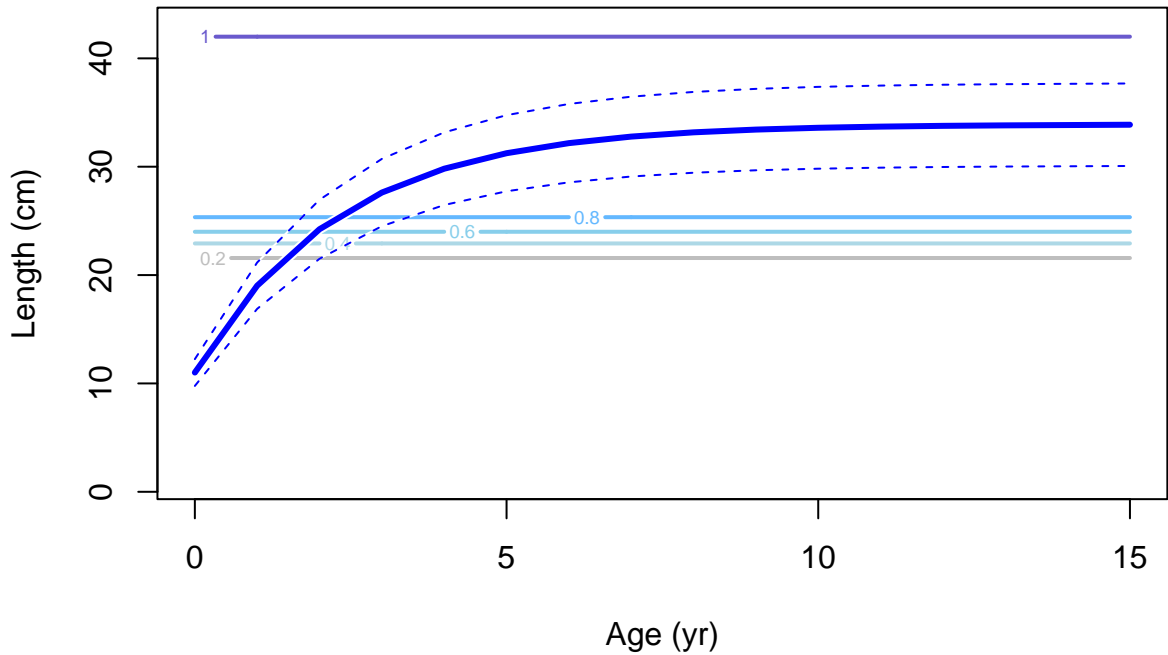
Selectivity



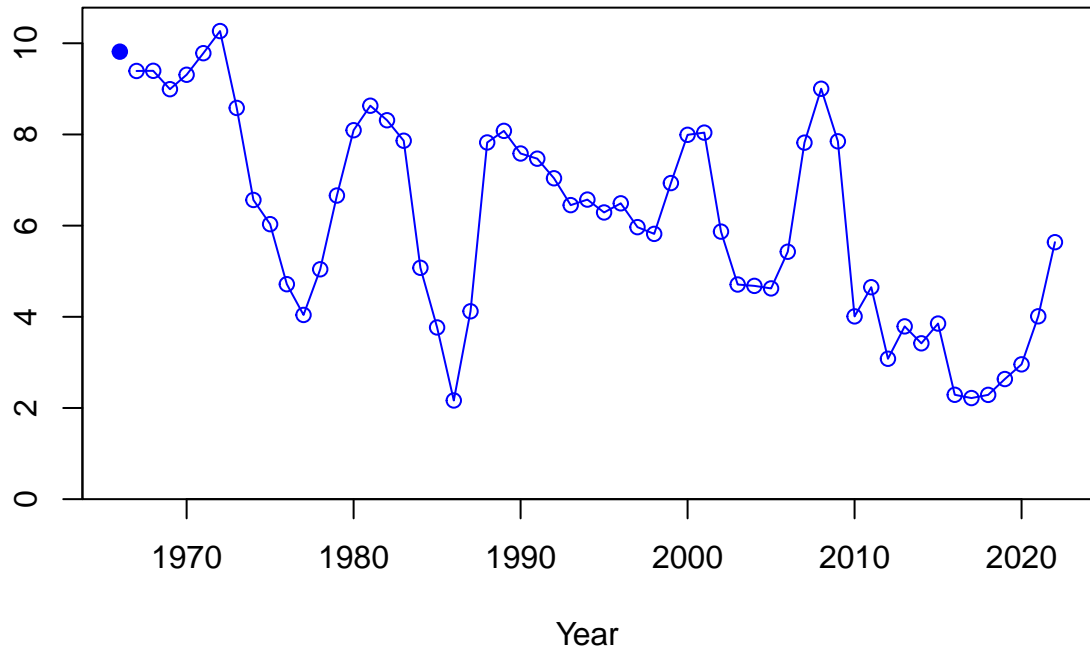
Selectivity



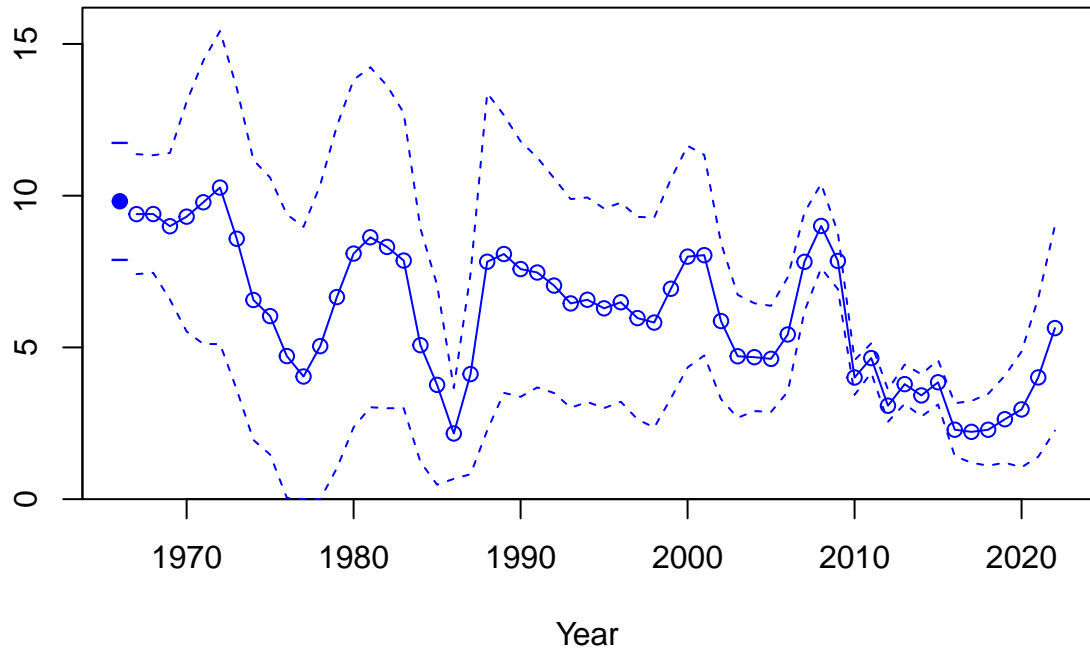




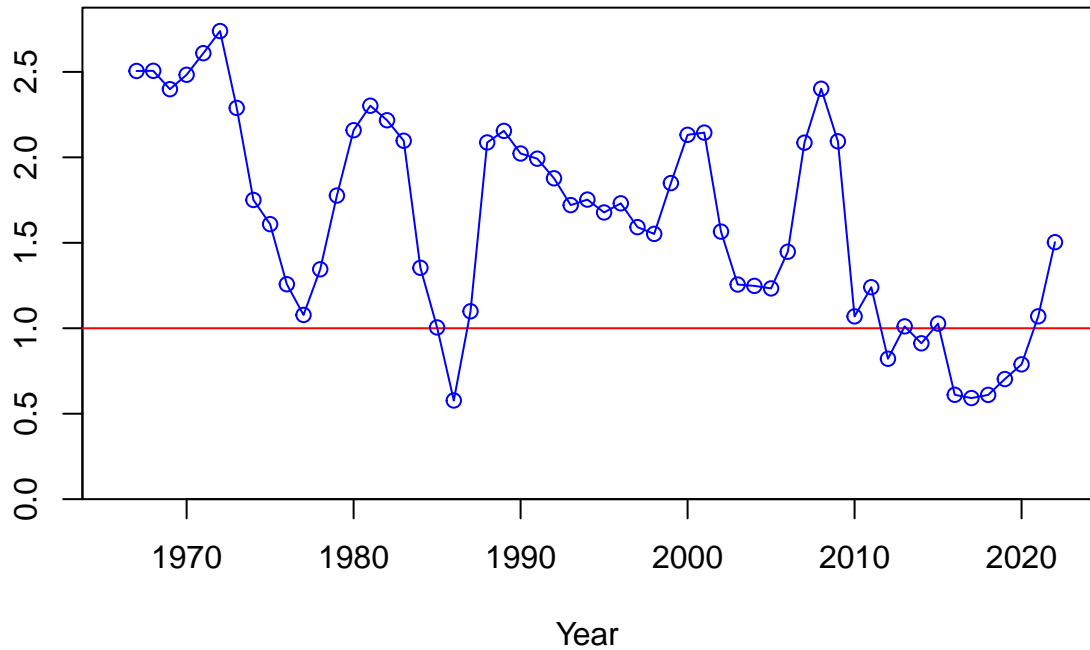
Spawning biomass (mt)



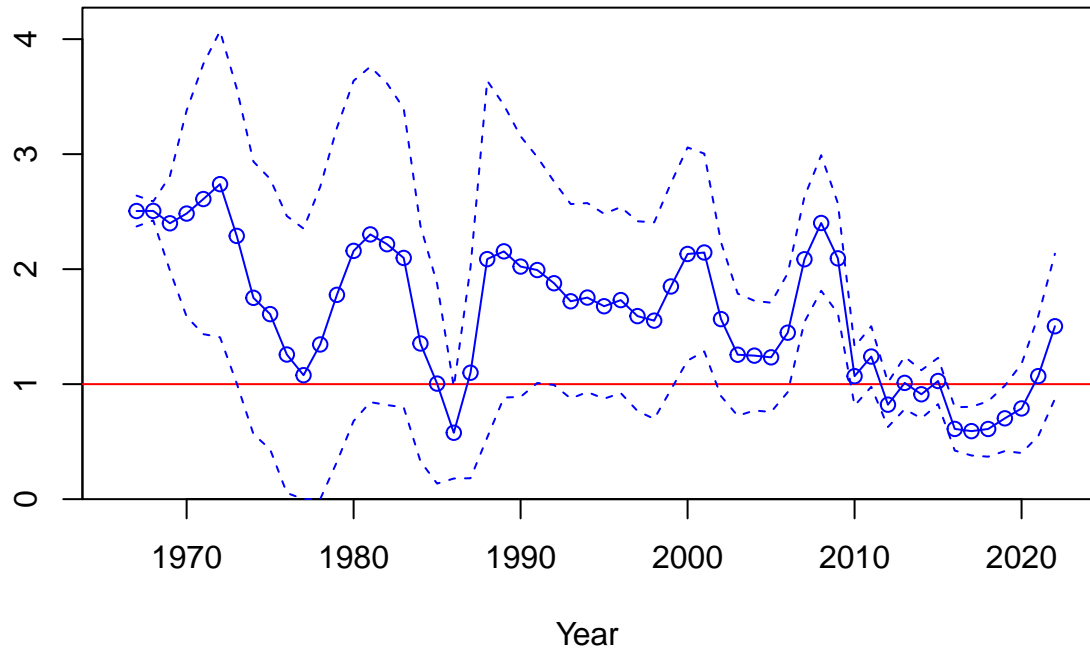
Spawning biomass (mt)

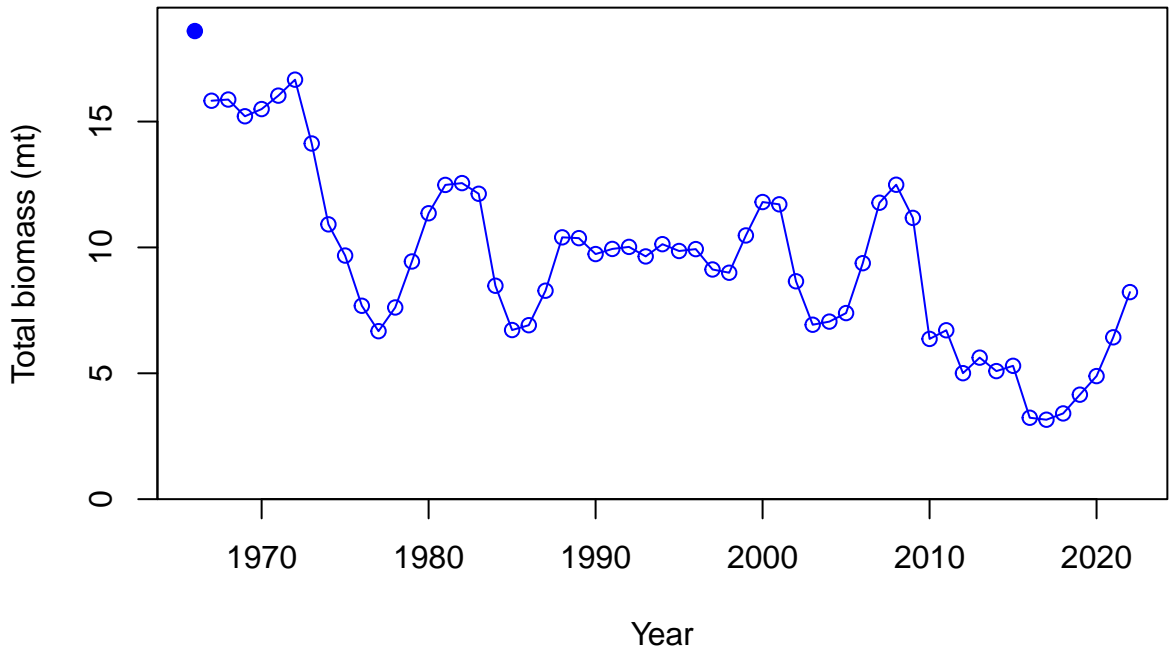


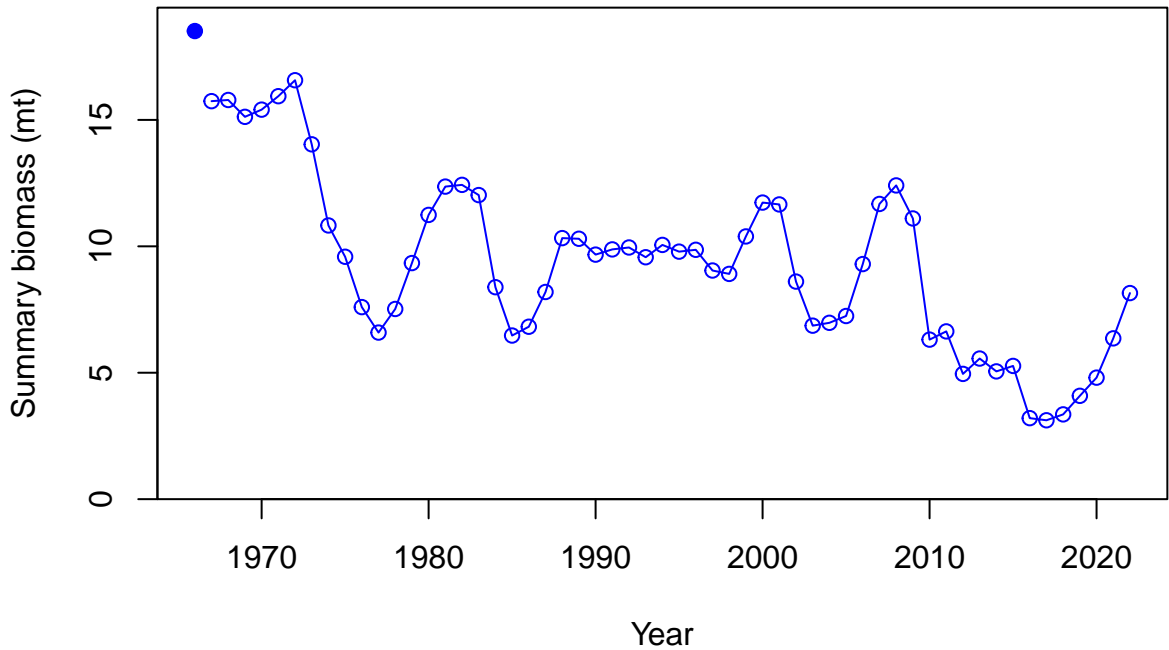
Relative spawning biomass: B/B_{MSY}



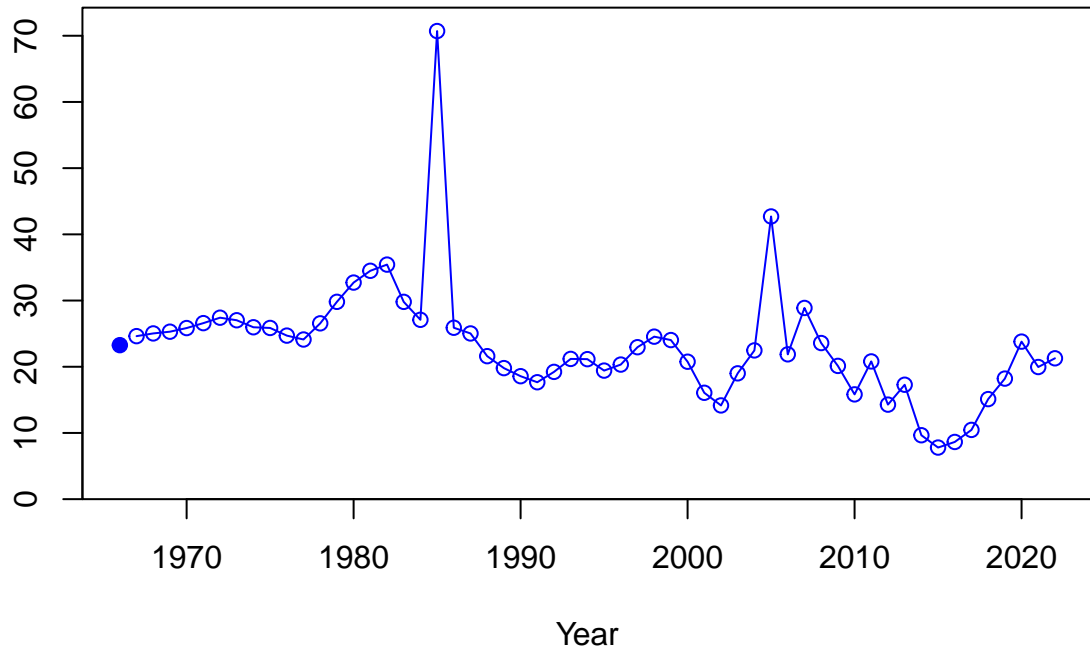
Relative spawning biomass: B/B_{MSY}



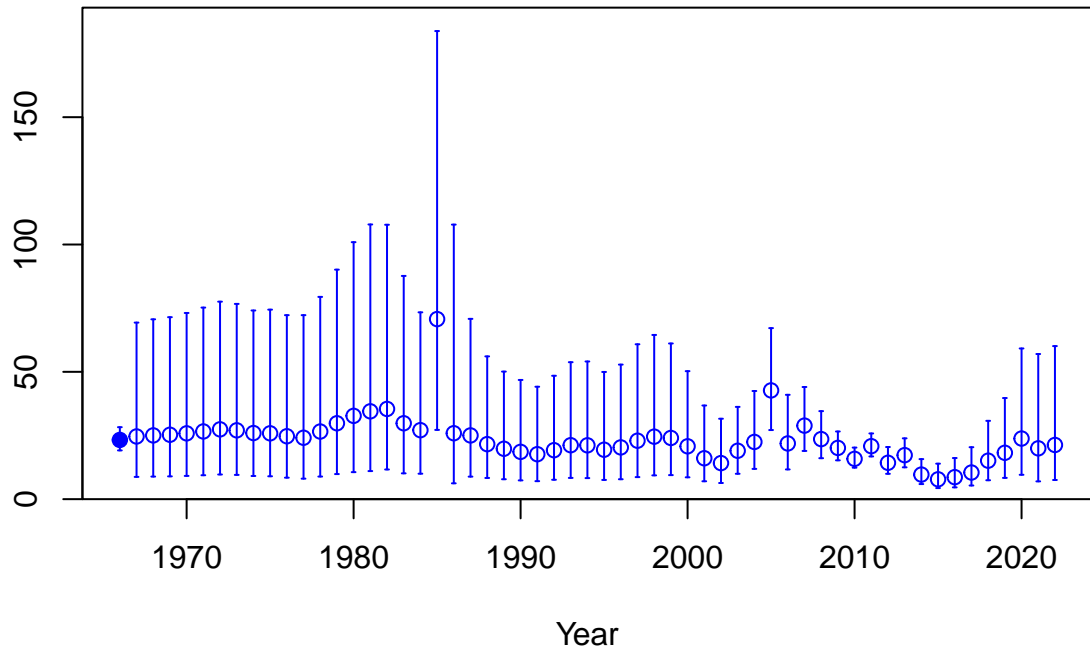




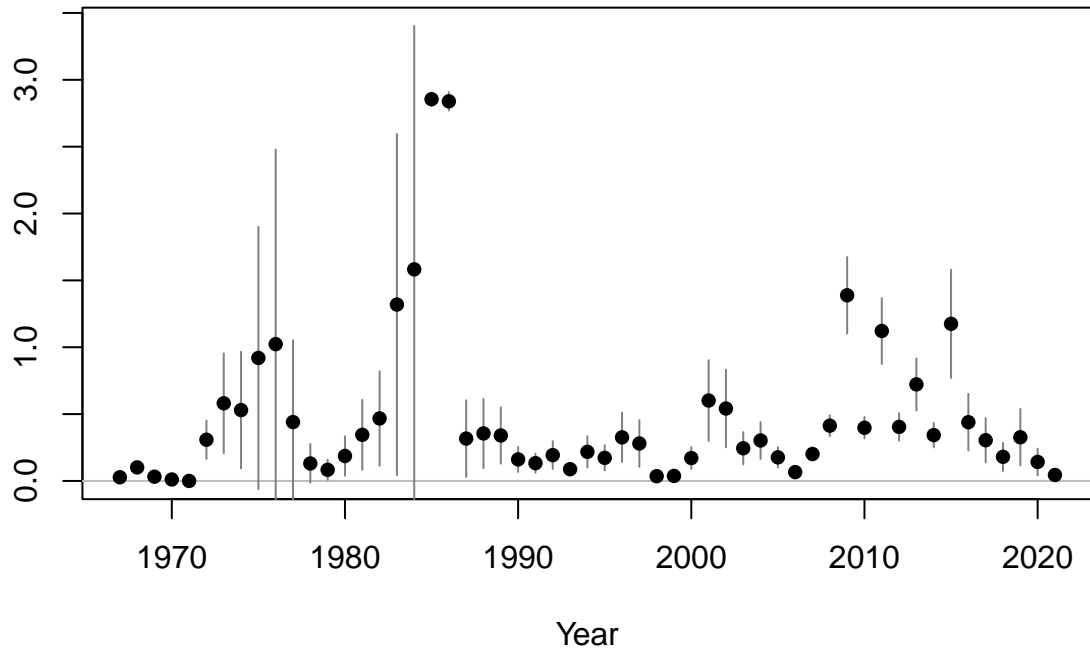
Age-0 recruits (1,000s)

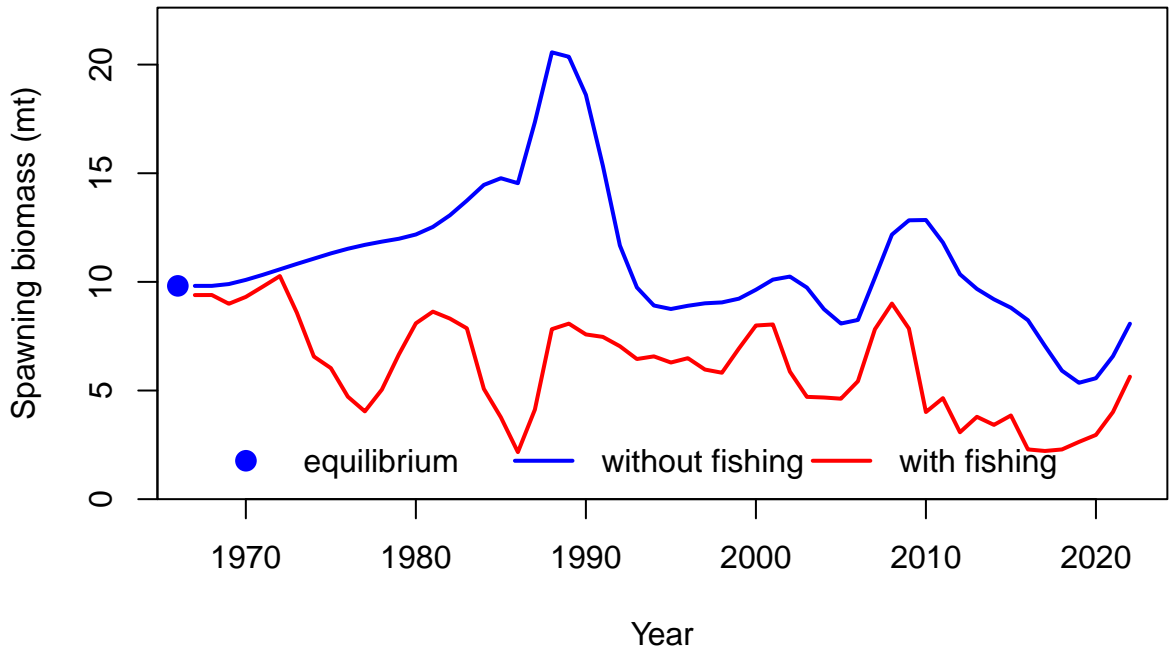


Age-0 recruits (1,000s)

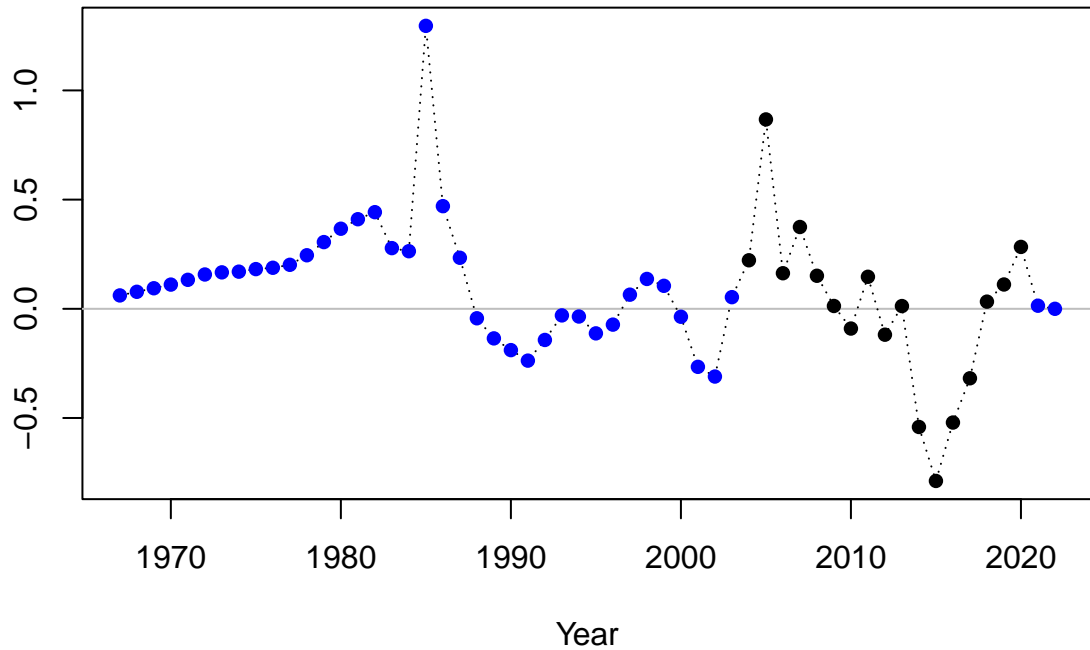


Summary Fishing Mortality

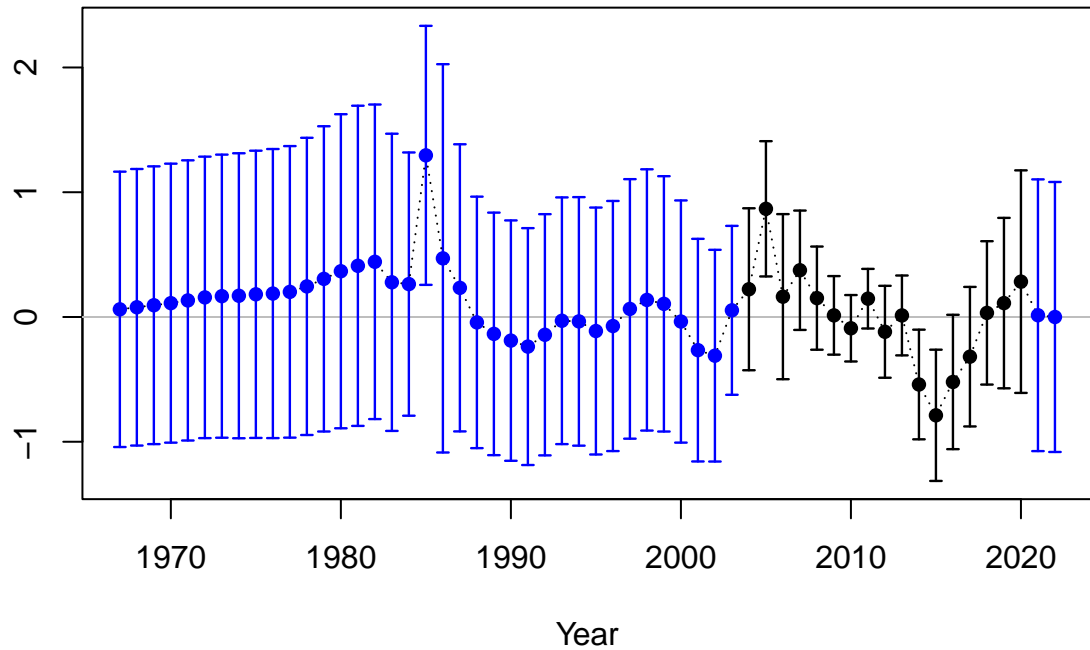




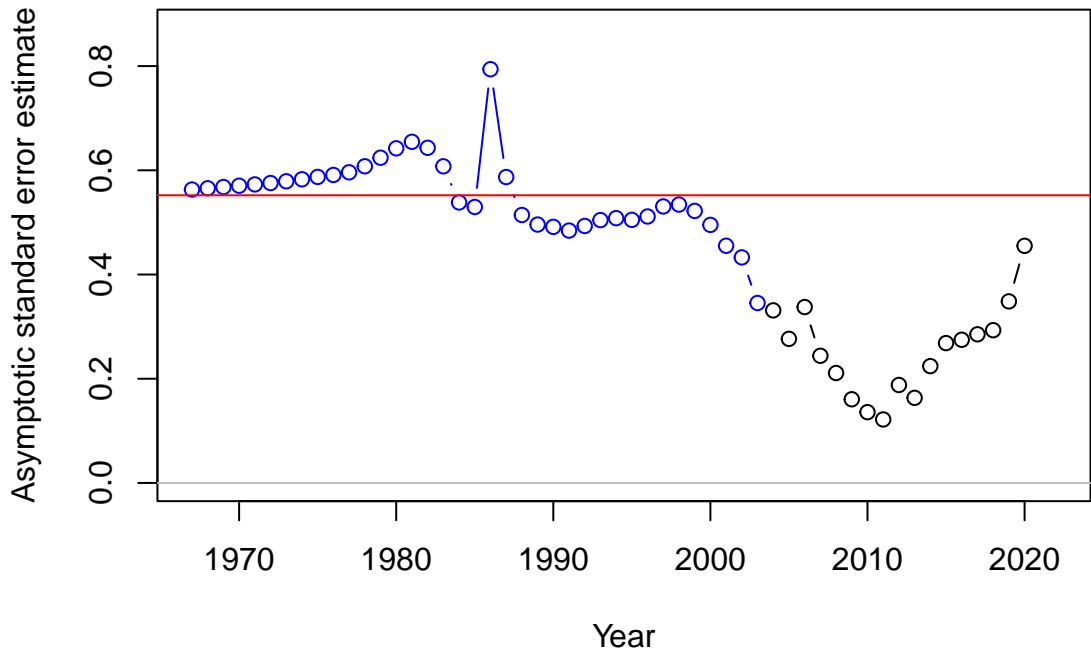
Log recruitment deviation

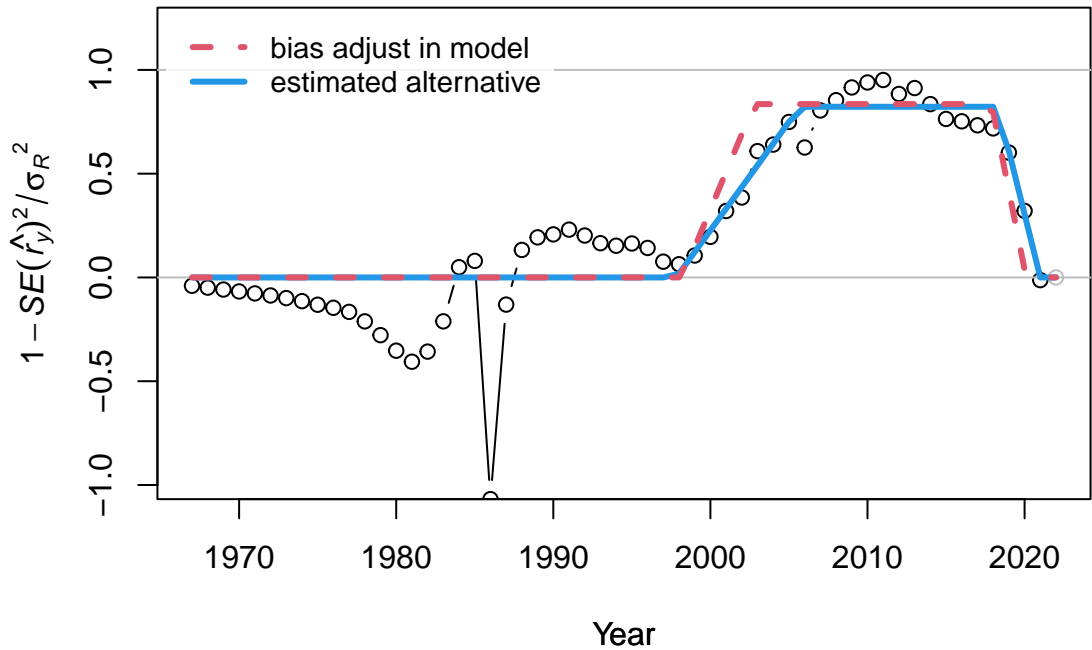


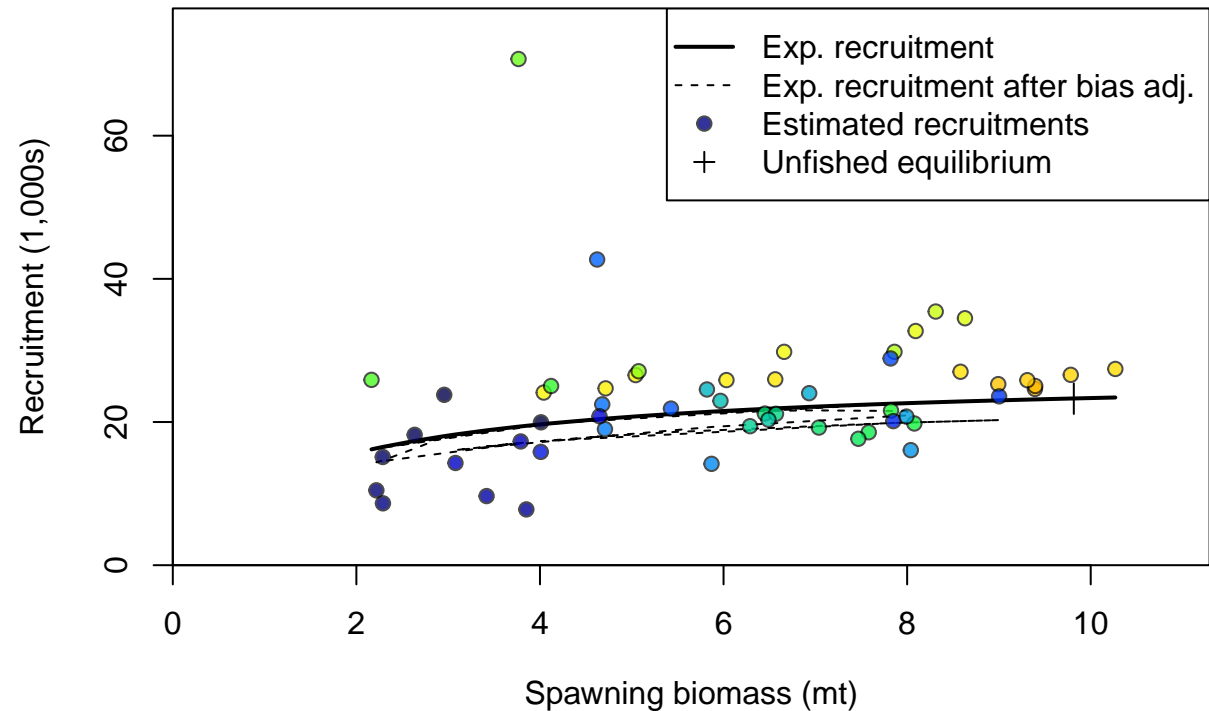
Log recruitment deviation

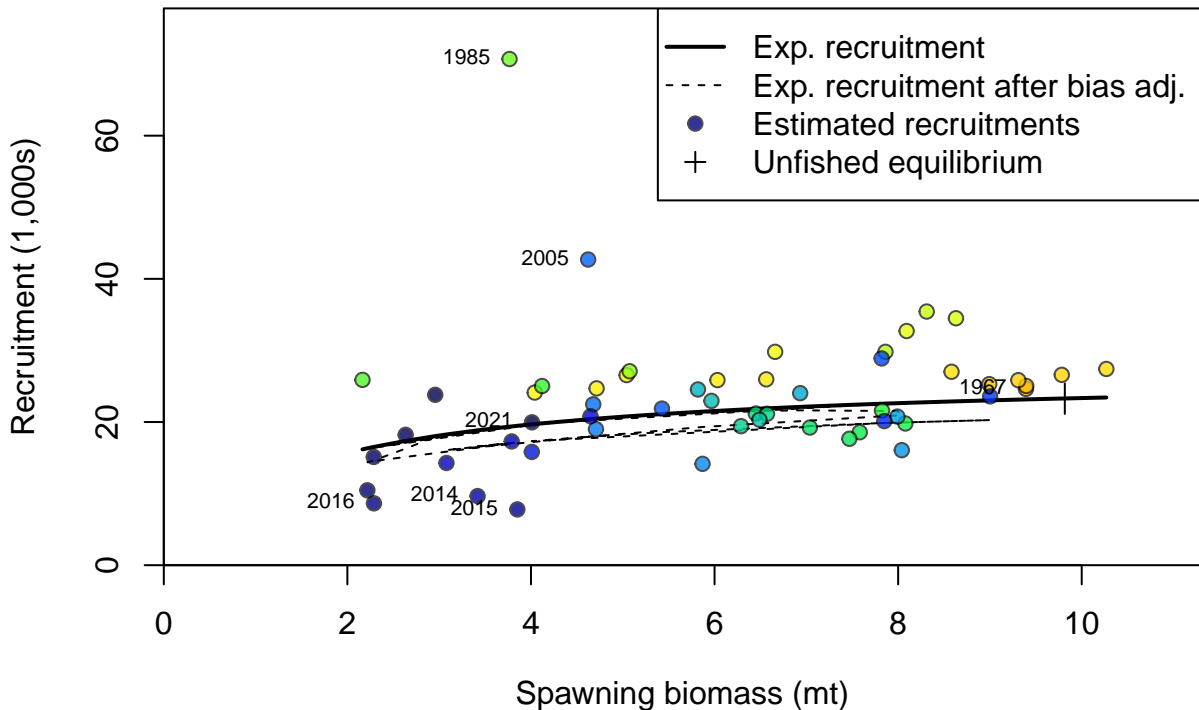


Recruitment deviation variance

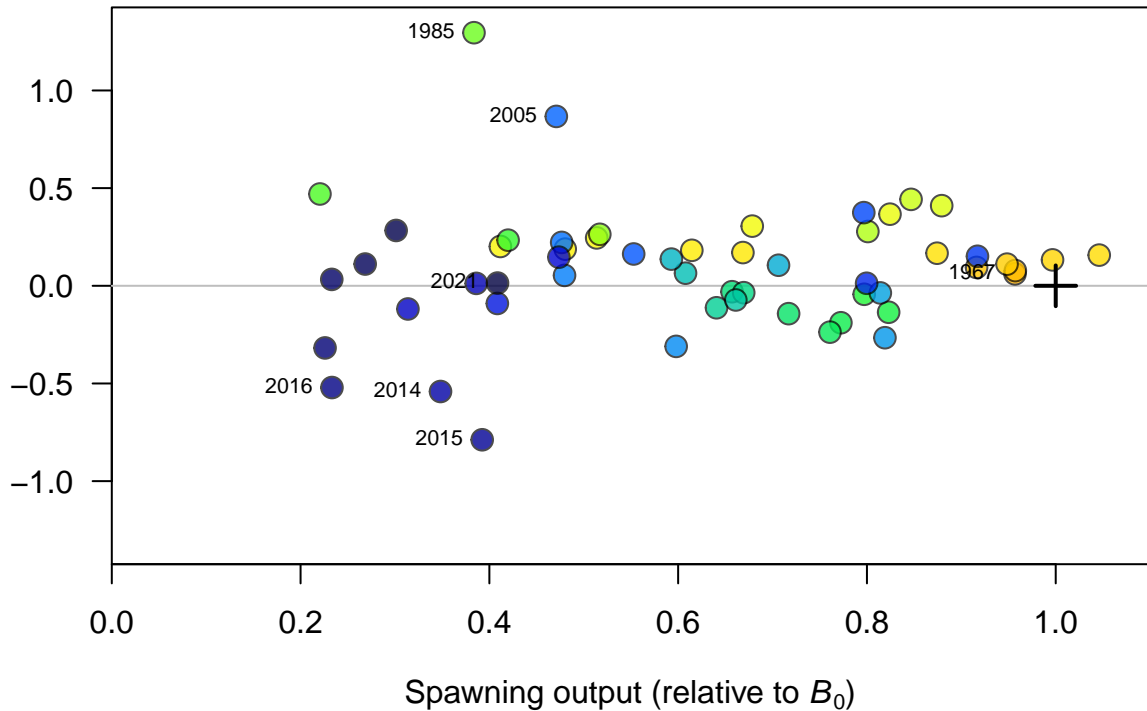


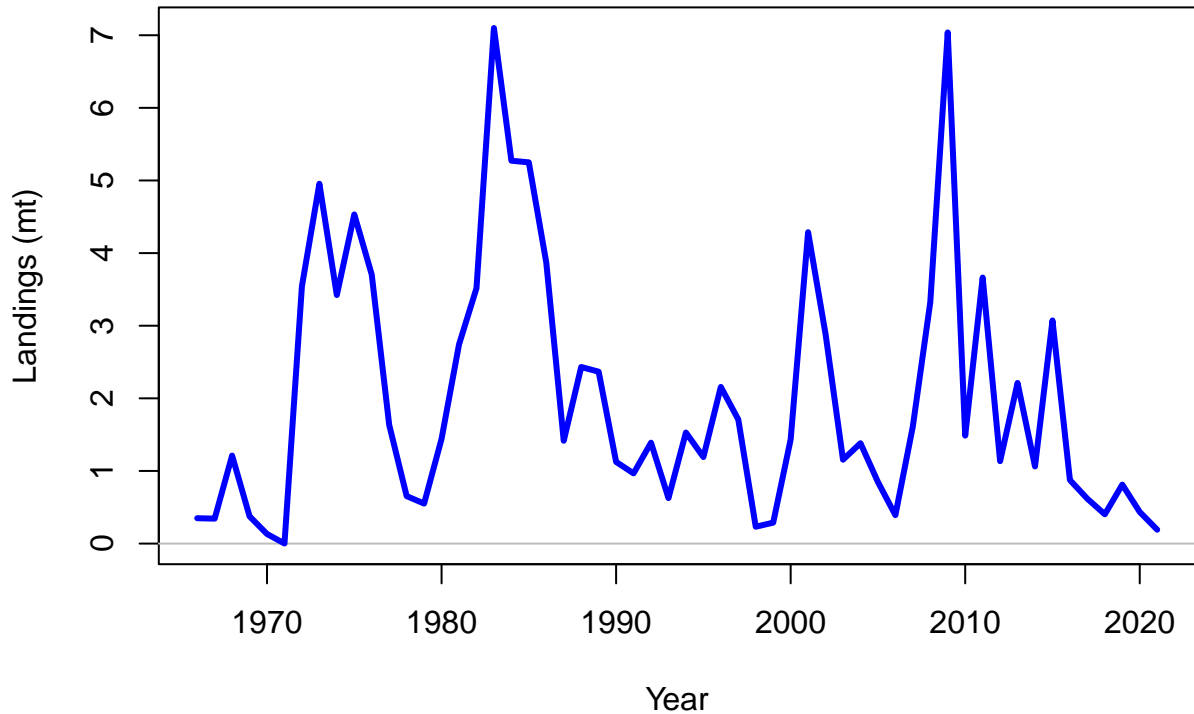


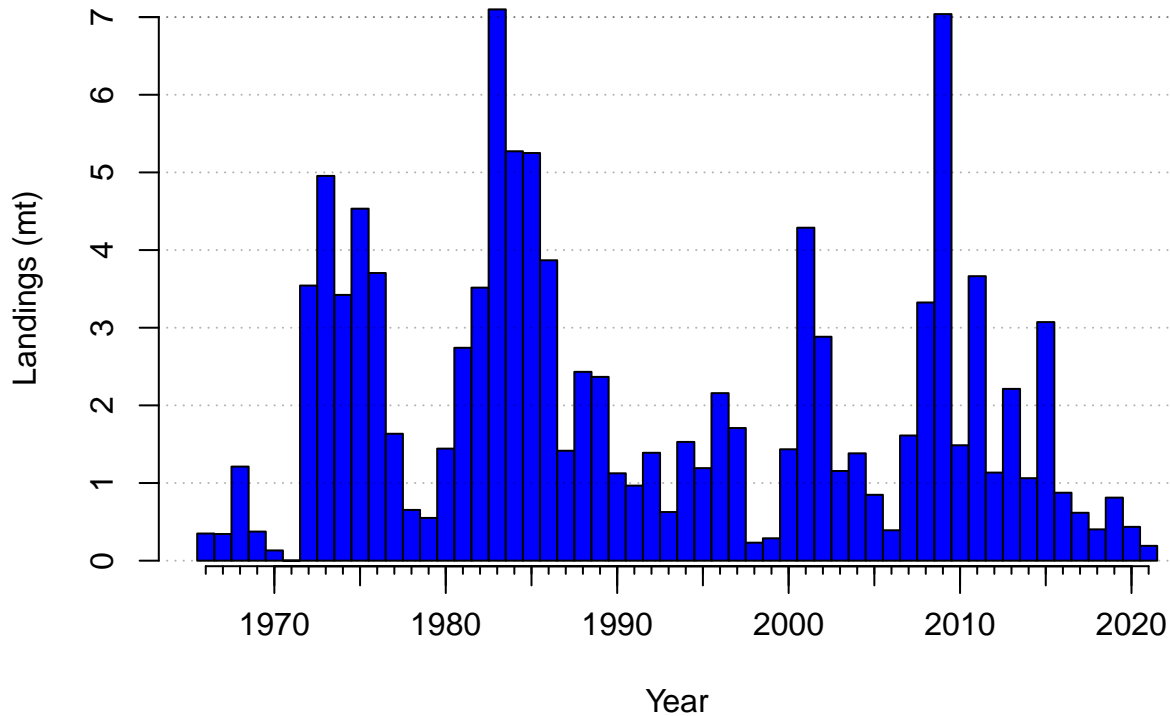




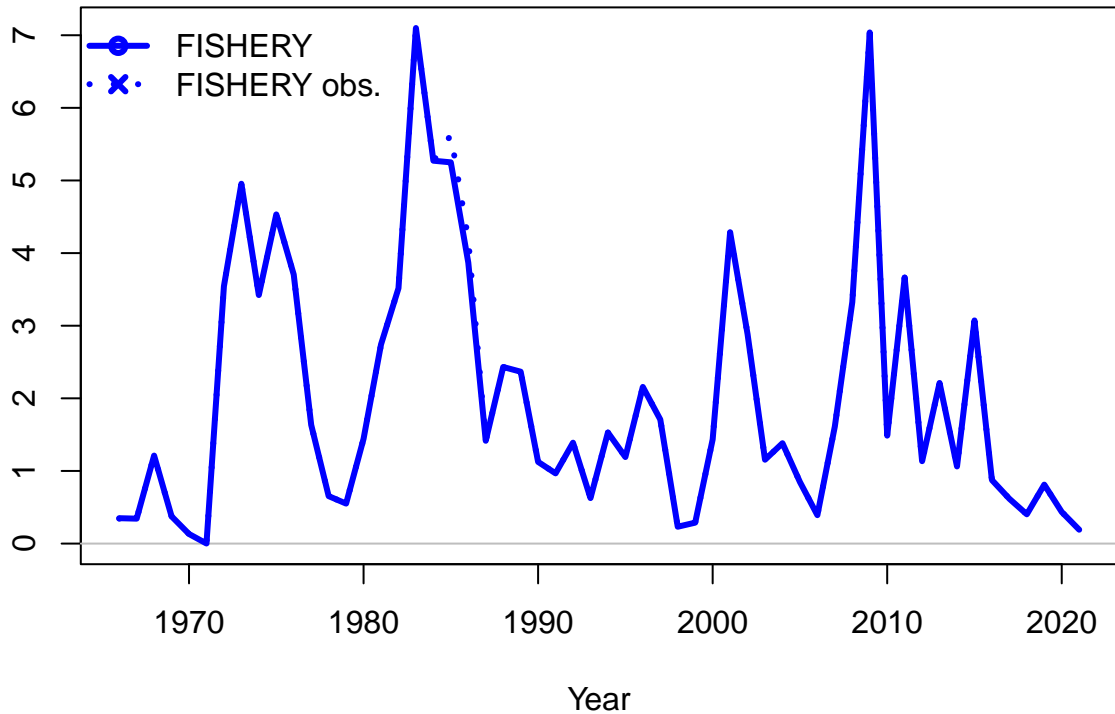
Log recruitment deviation

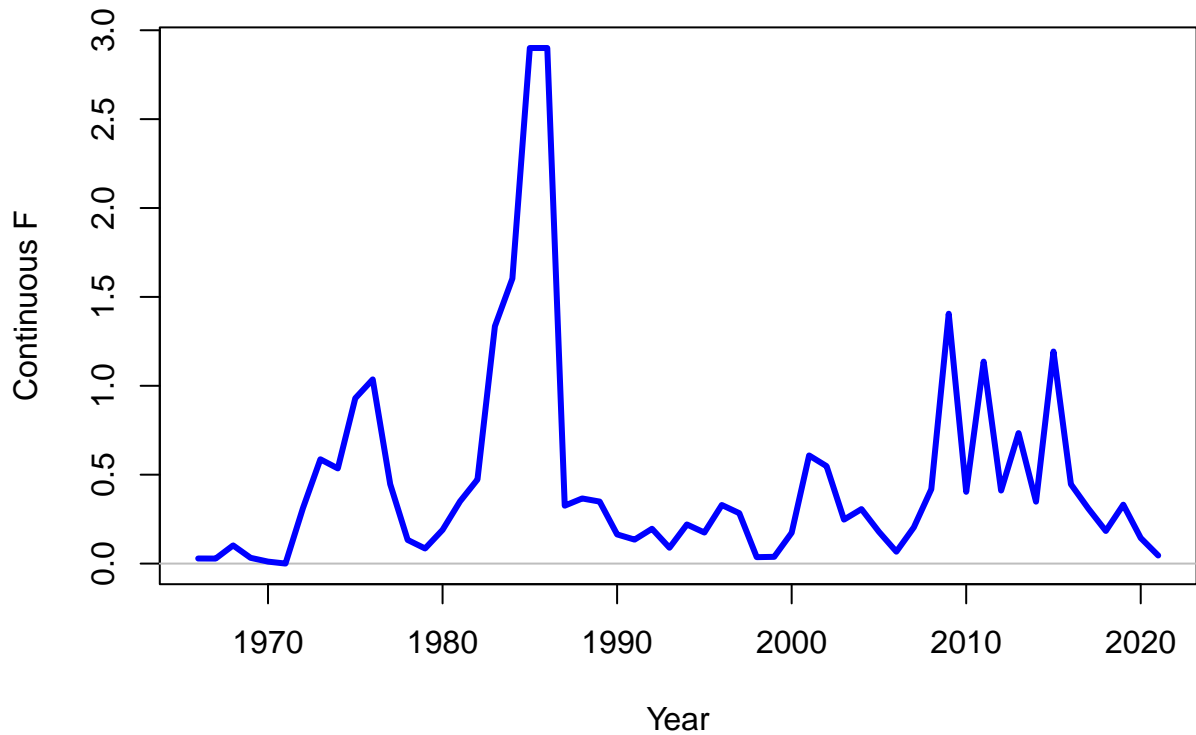




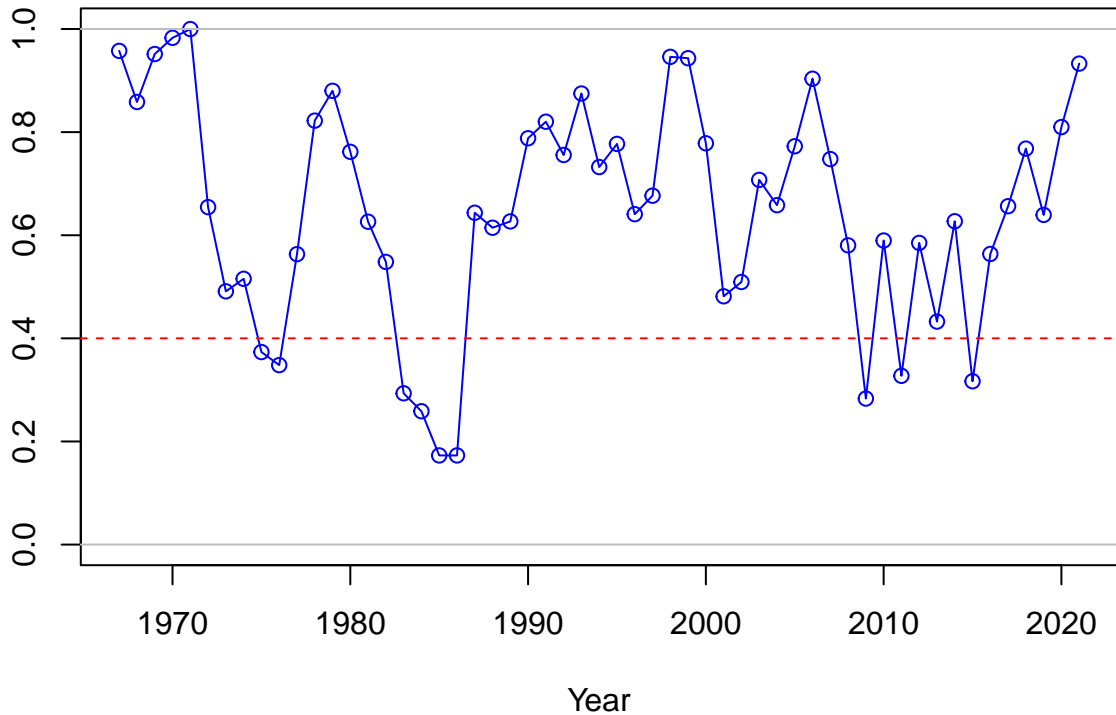


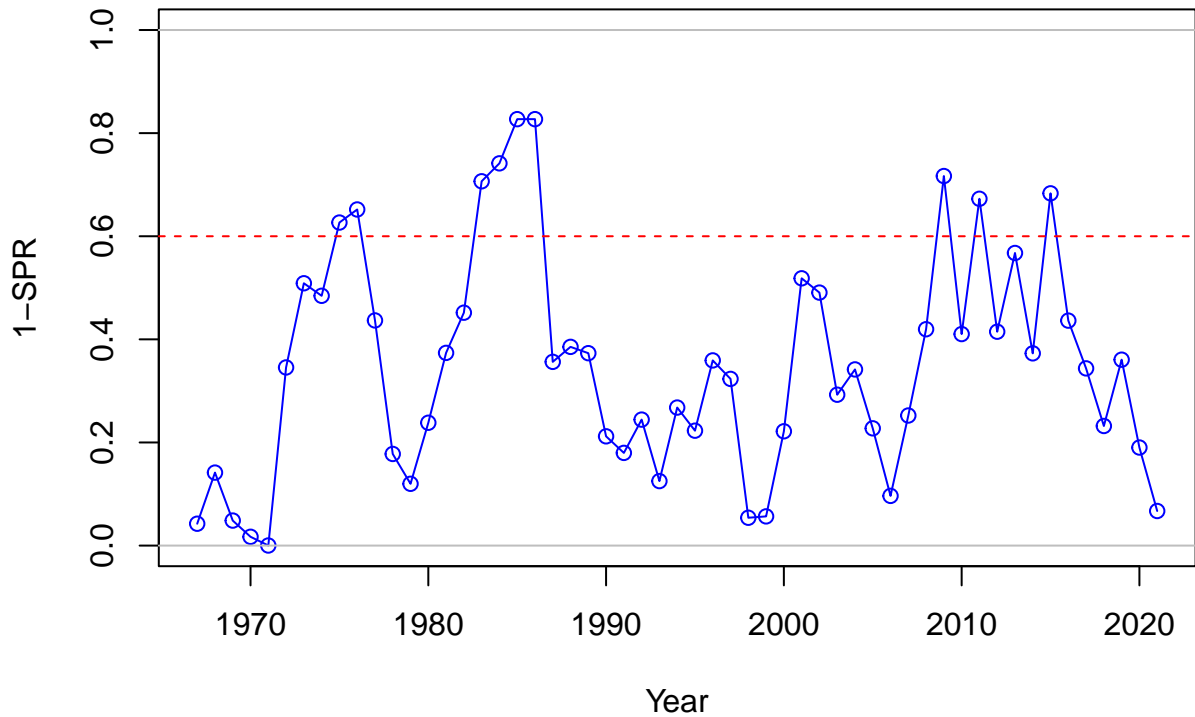
Observed and expected Landings (mt)



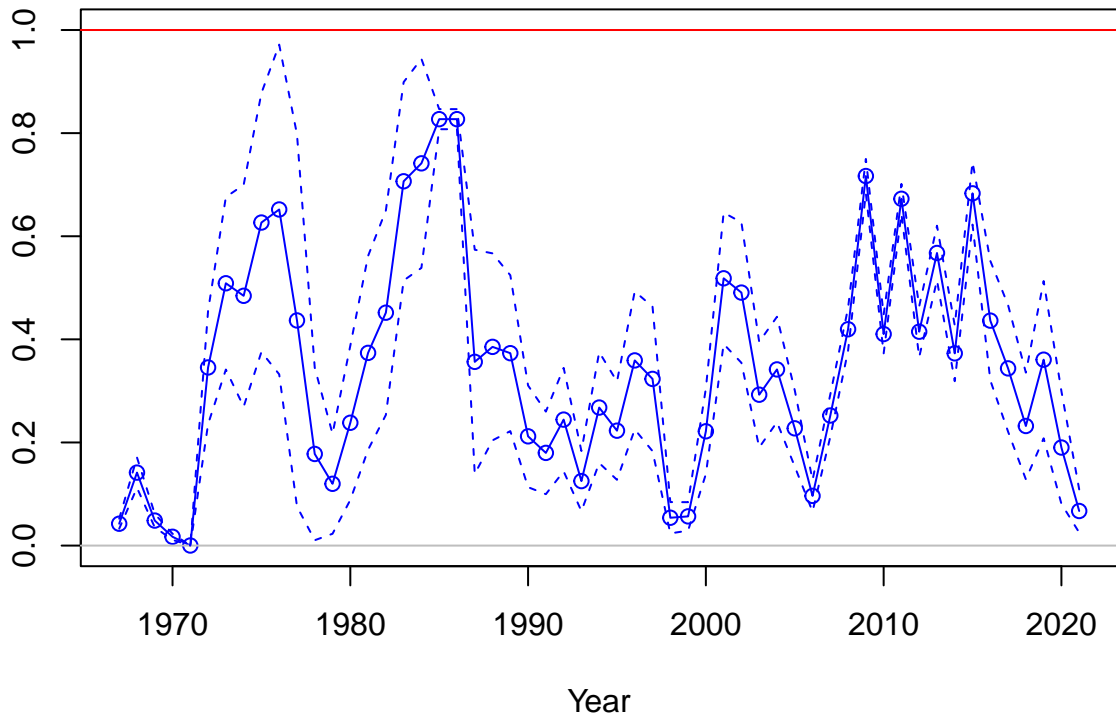


SPR

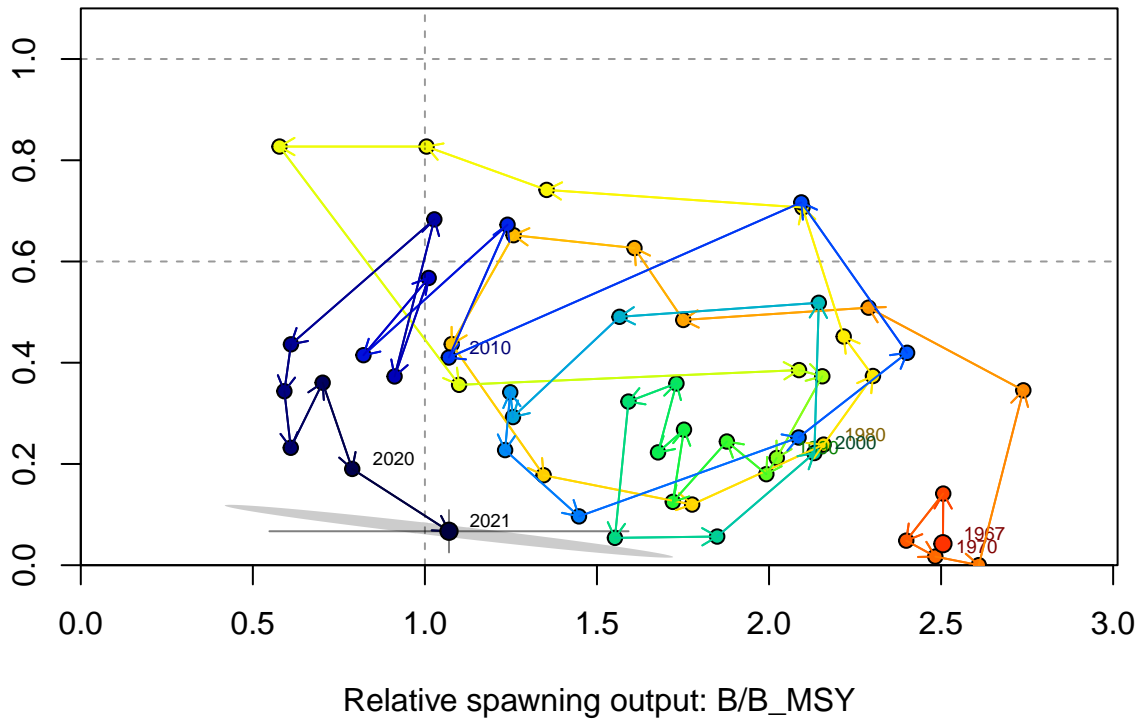


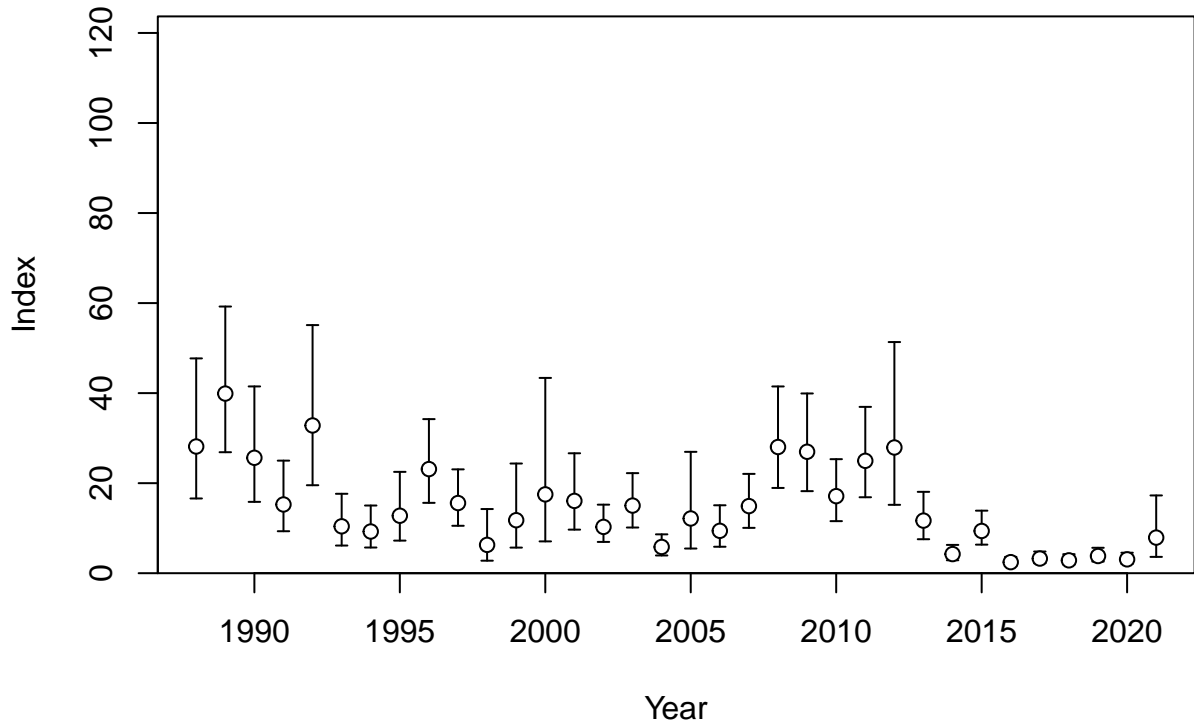


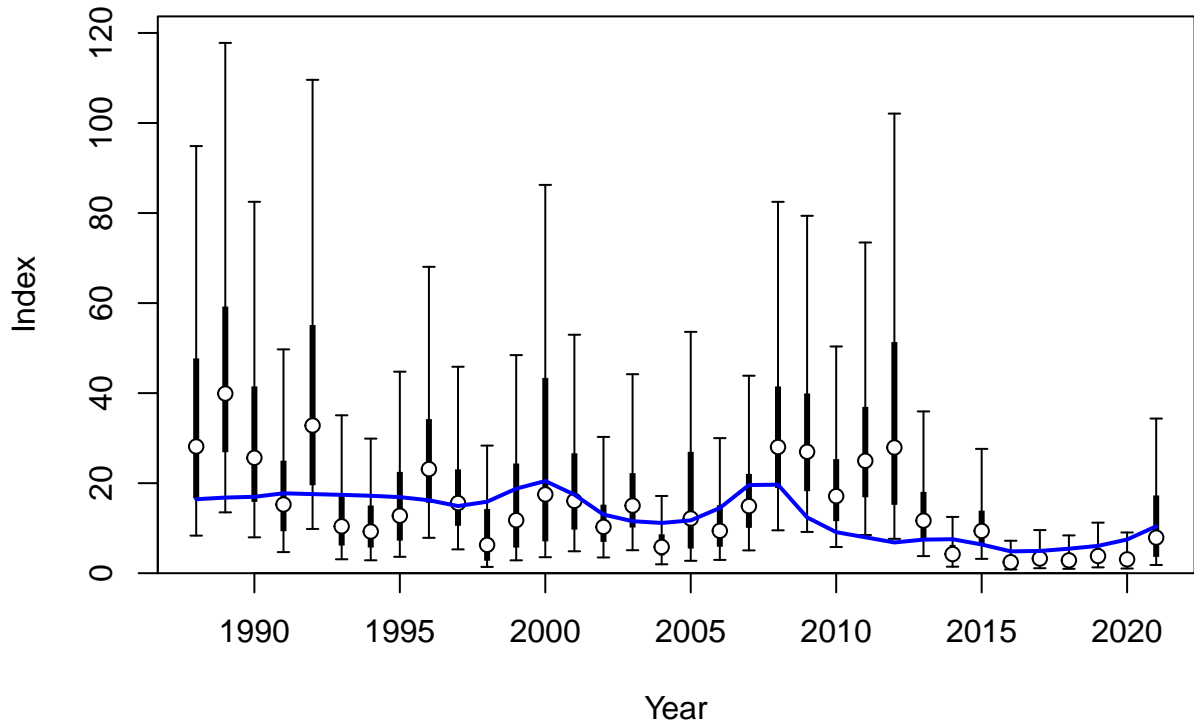
Fishing intensity: 1-SPR

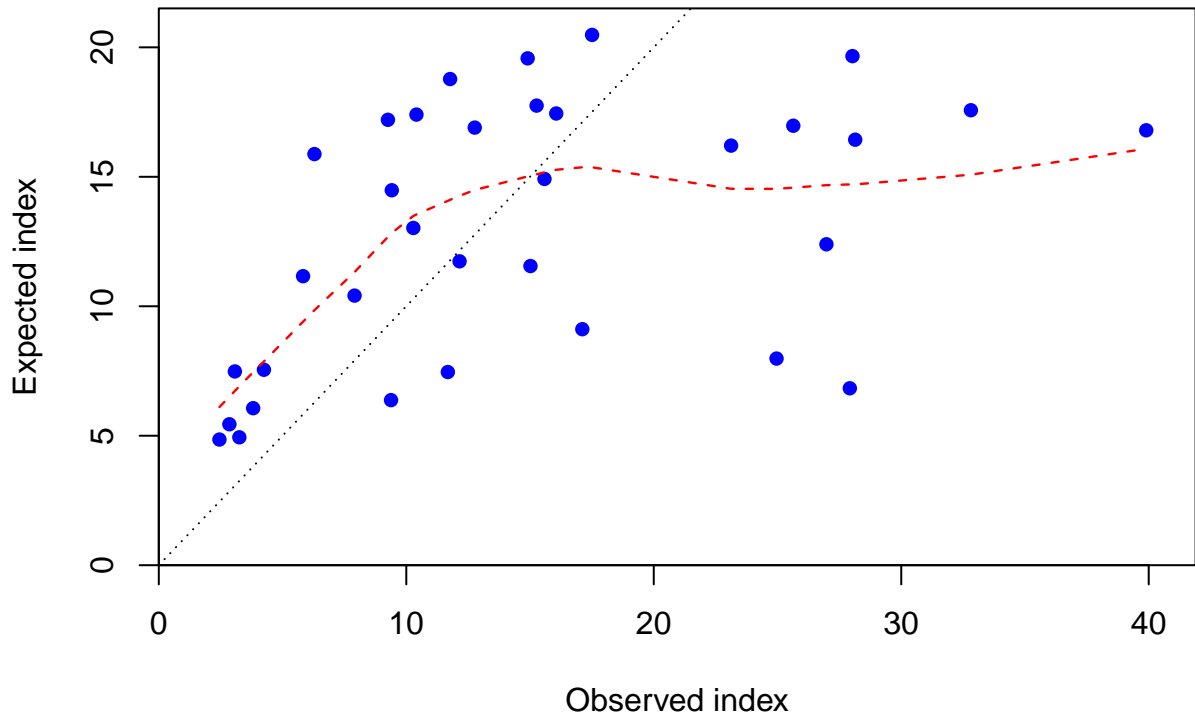


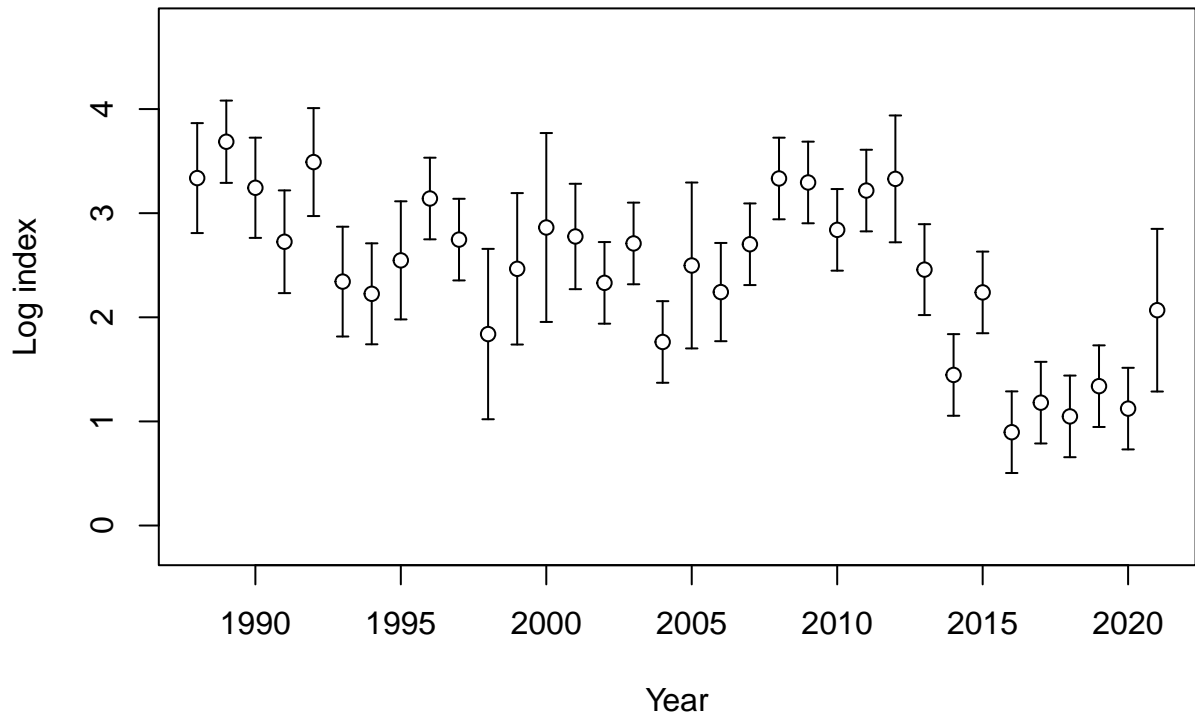
Fishing intensity: 1-SPR











Log index

4
3
2
1
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1990

1995

2000

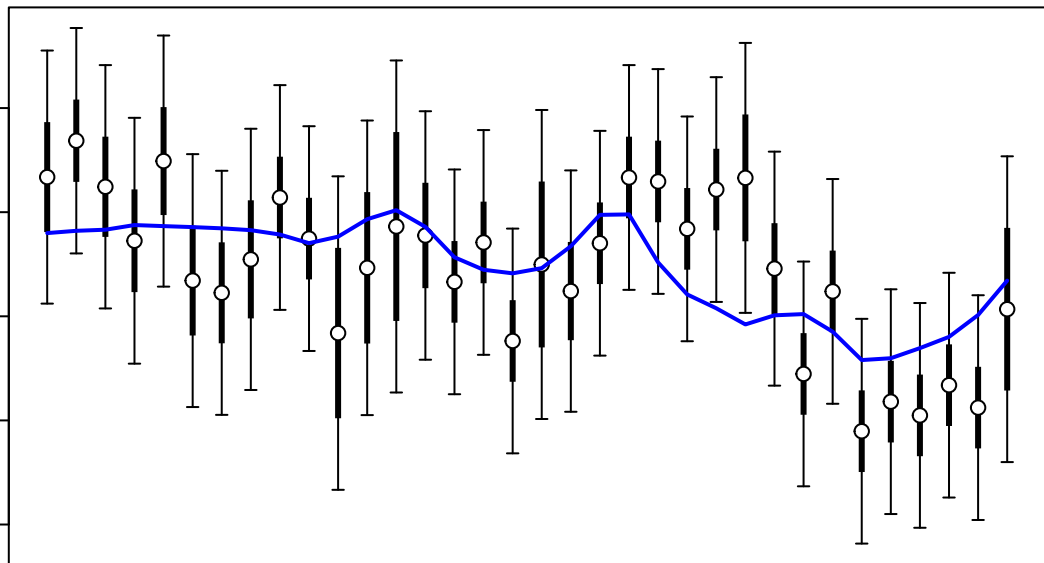
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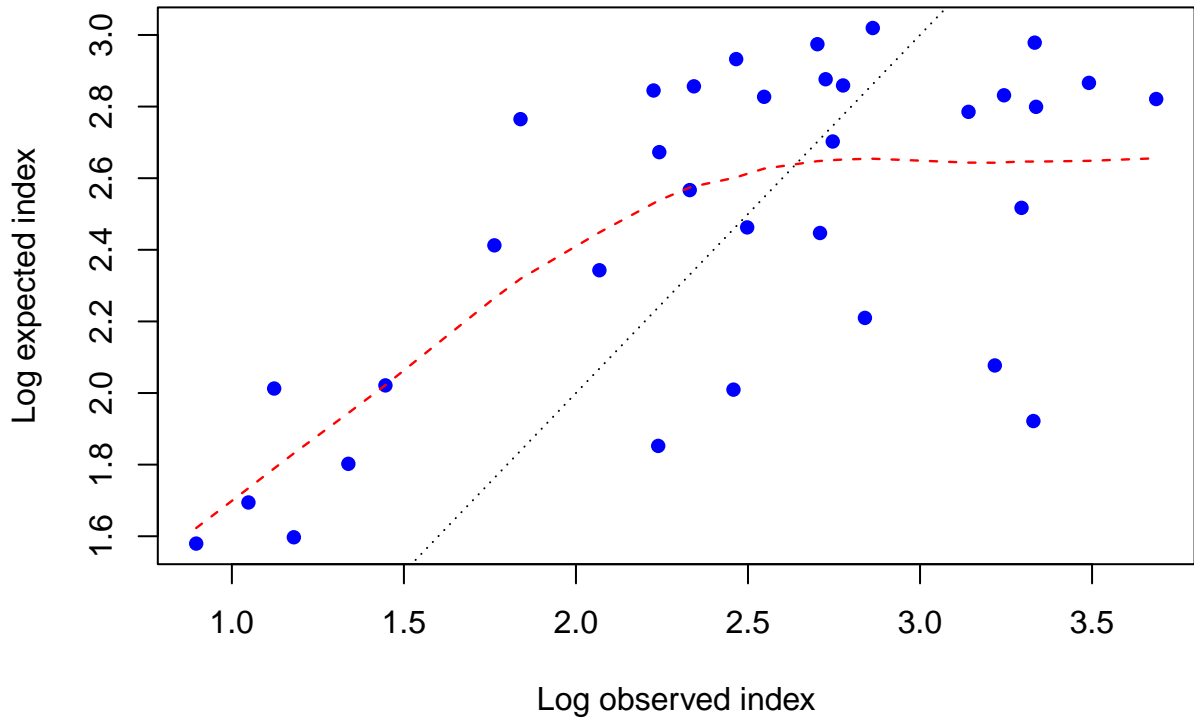
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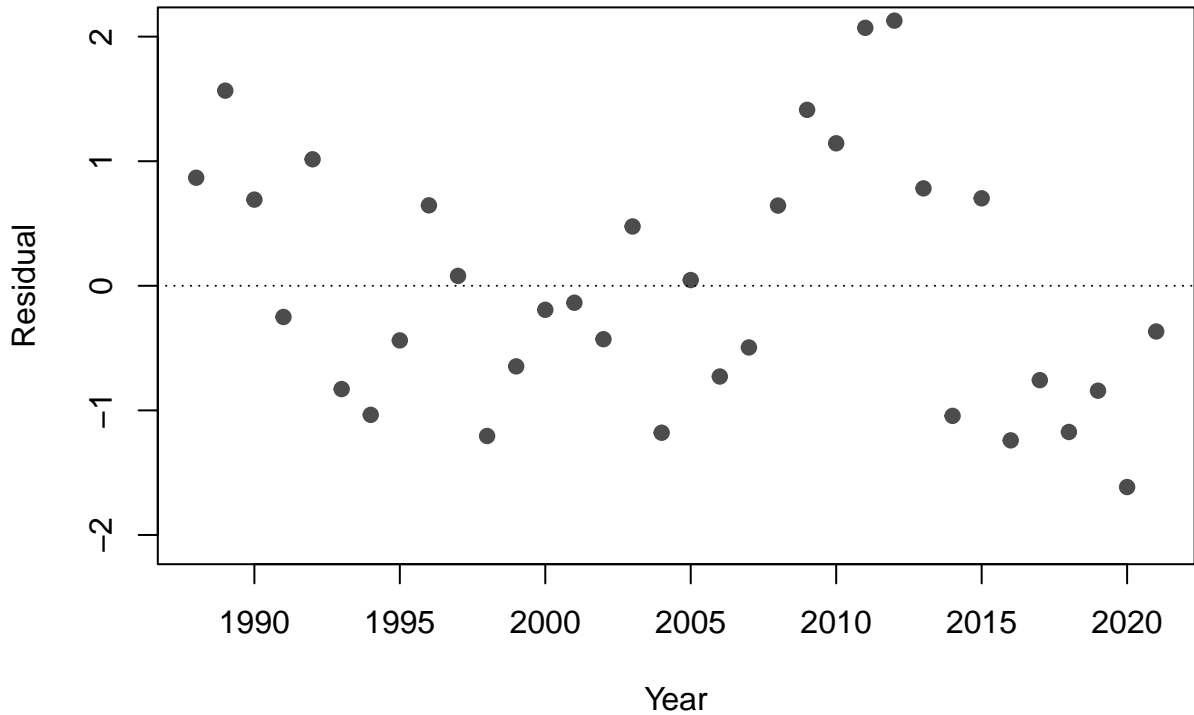
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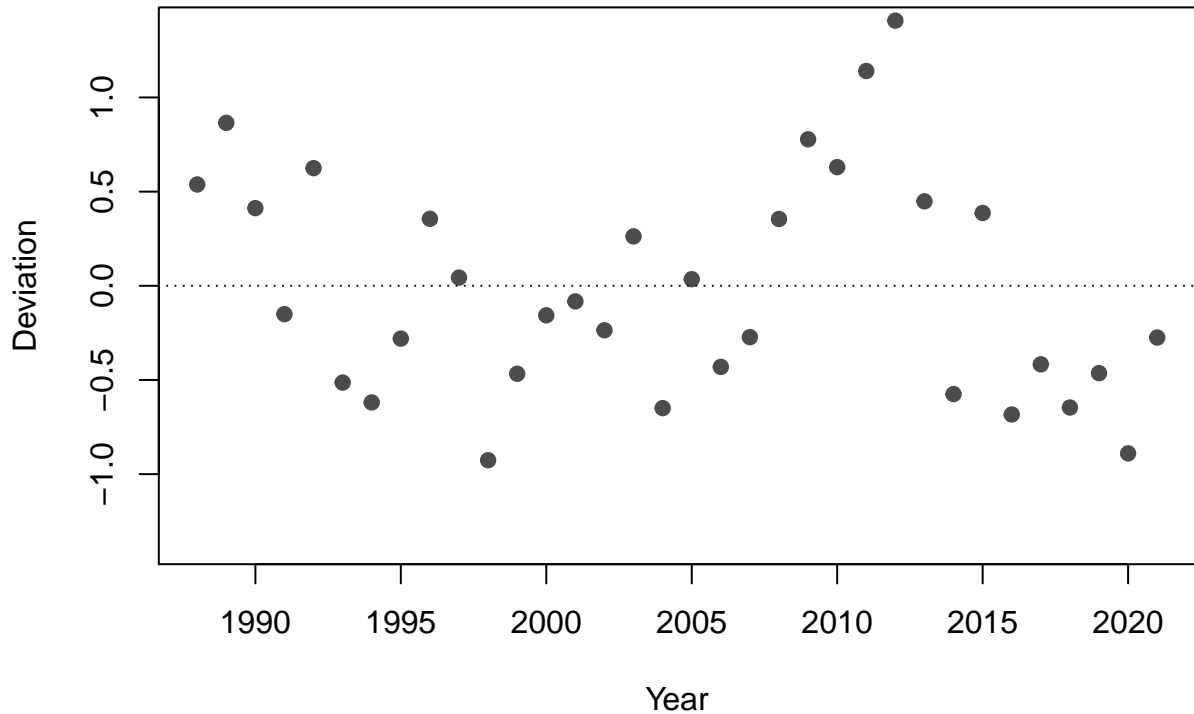
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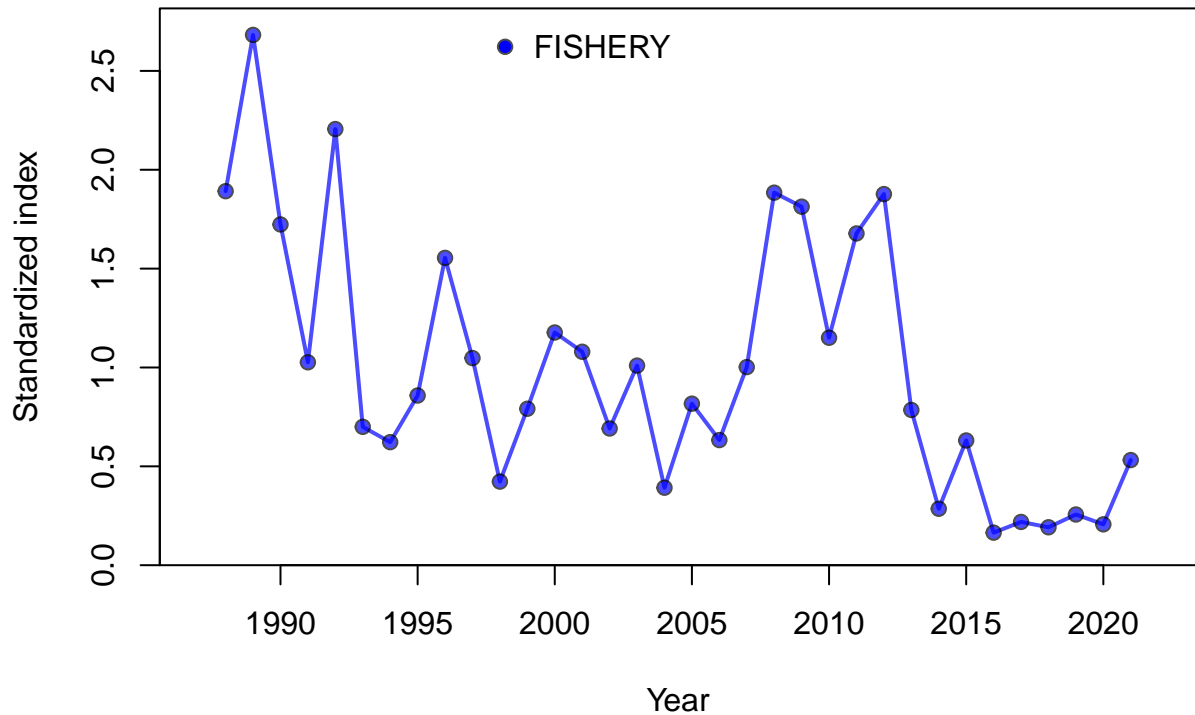
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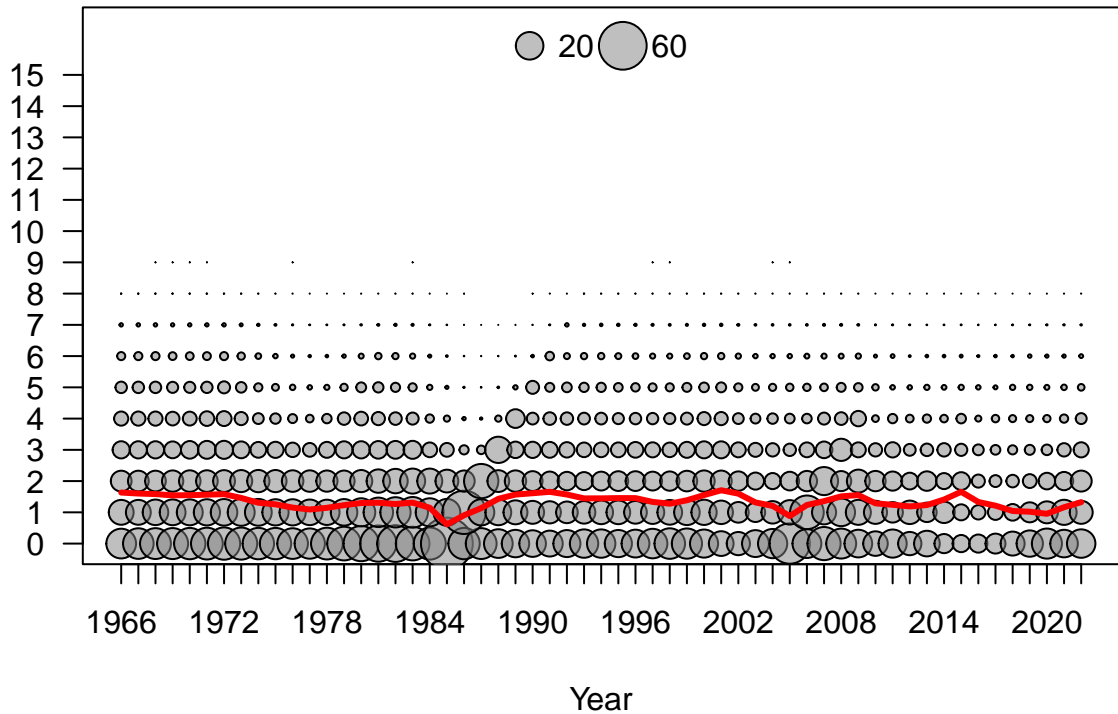


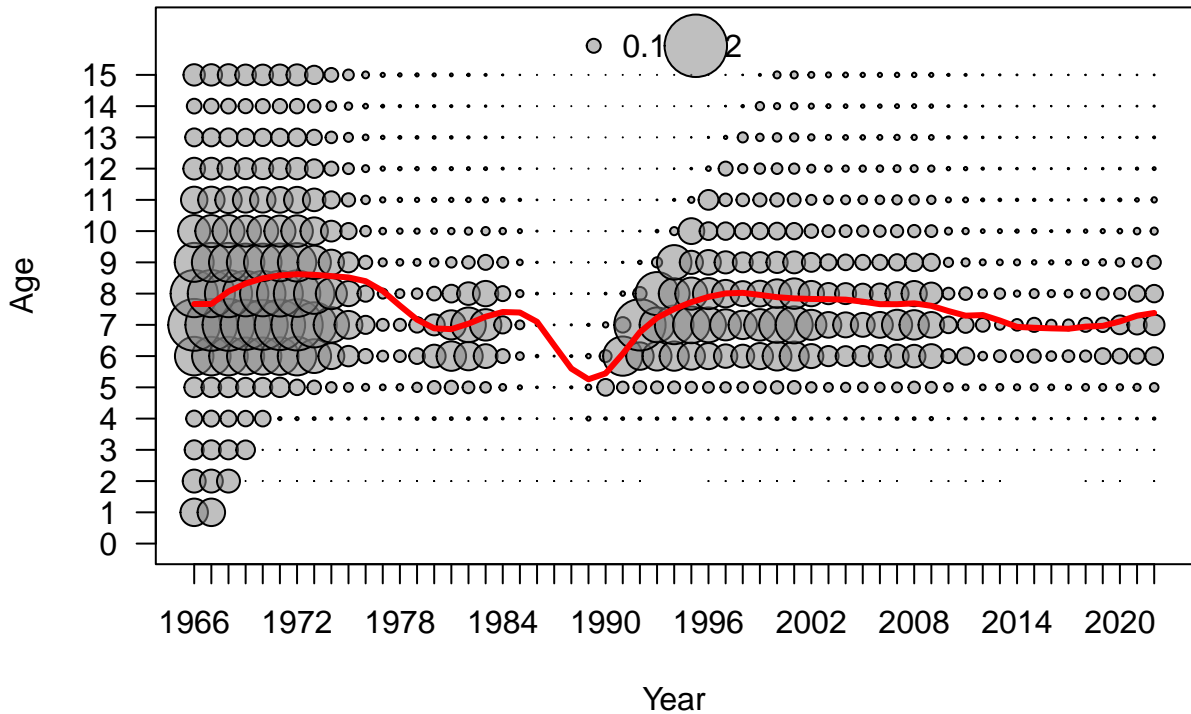


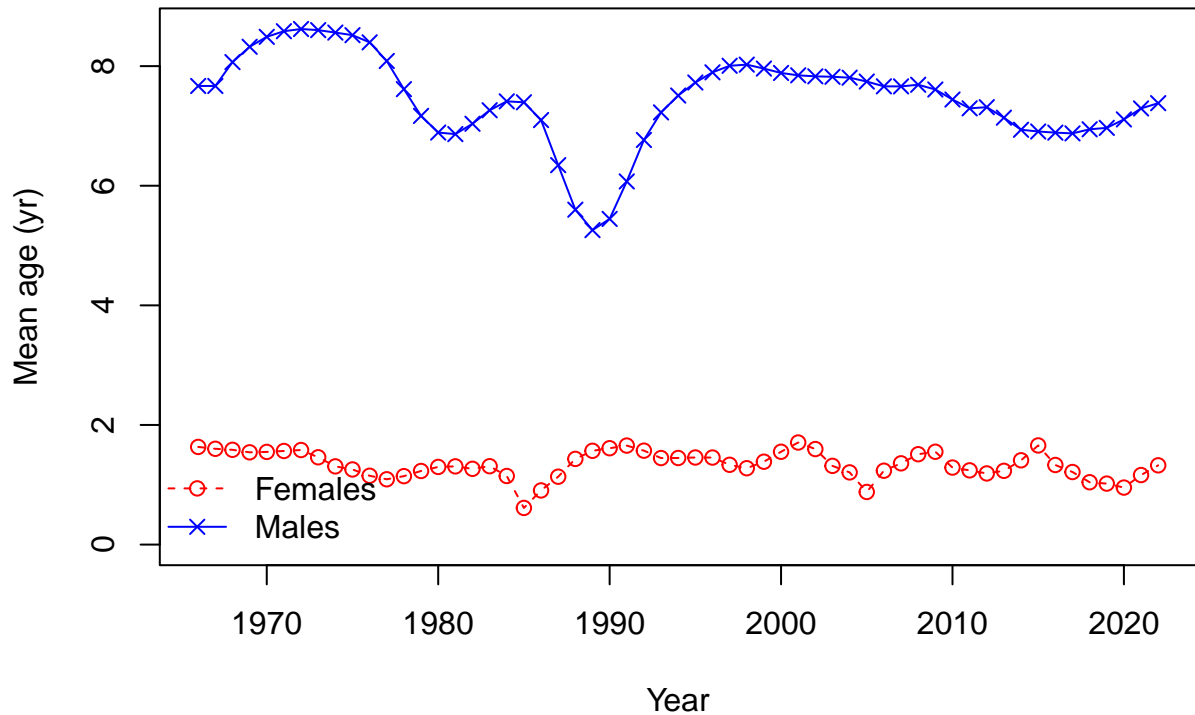




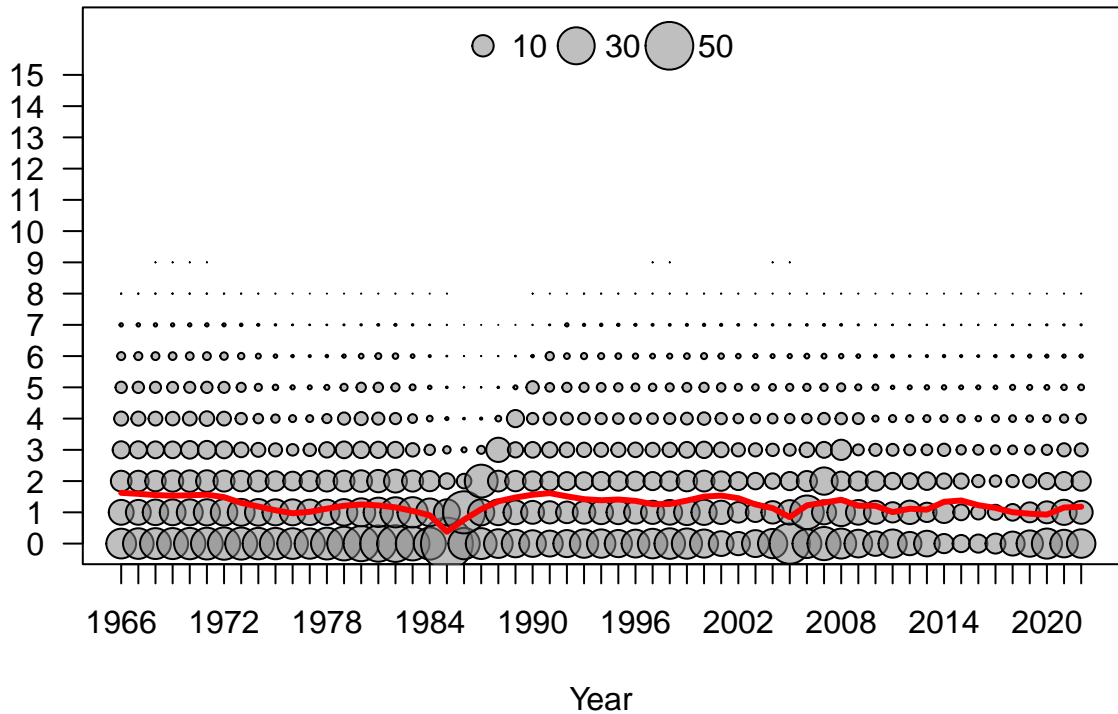
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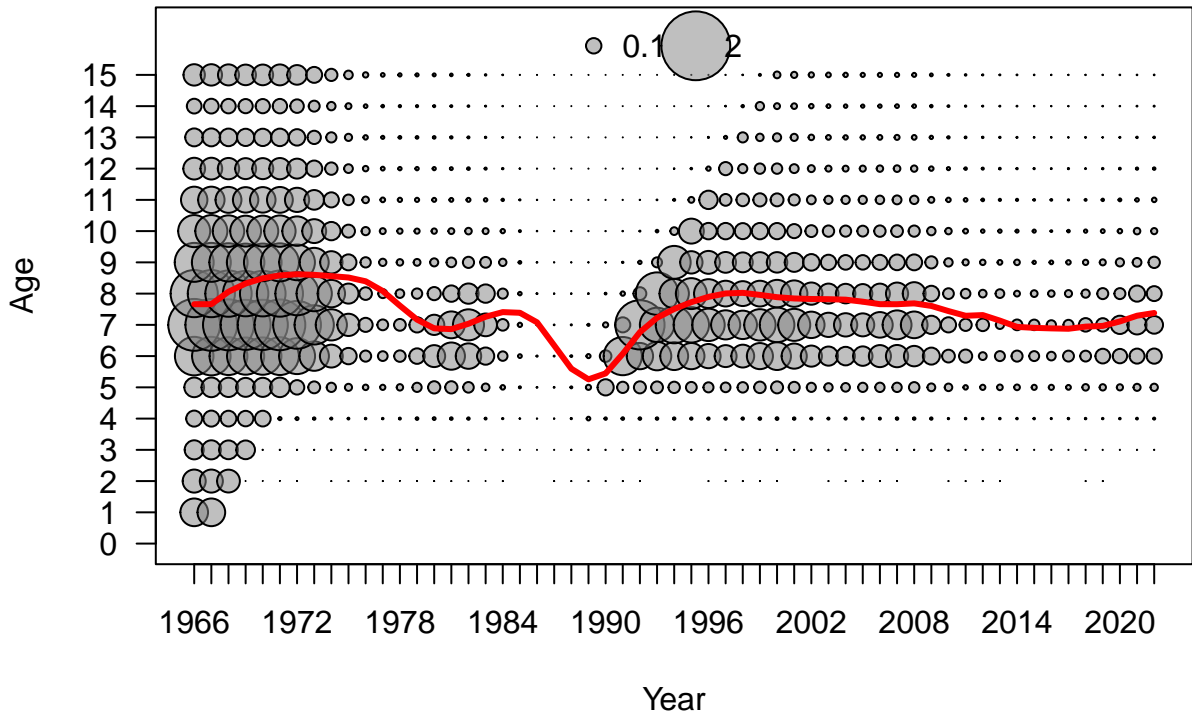


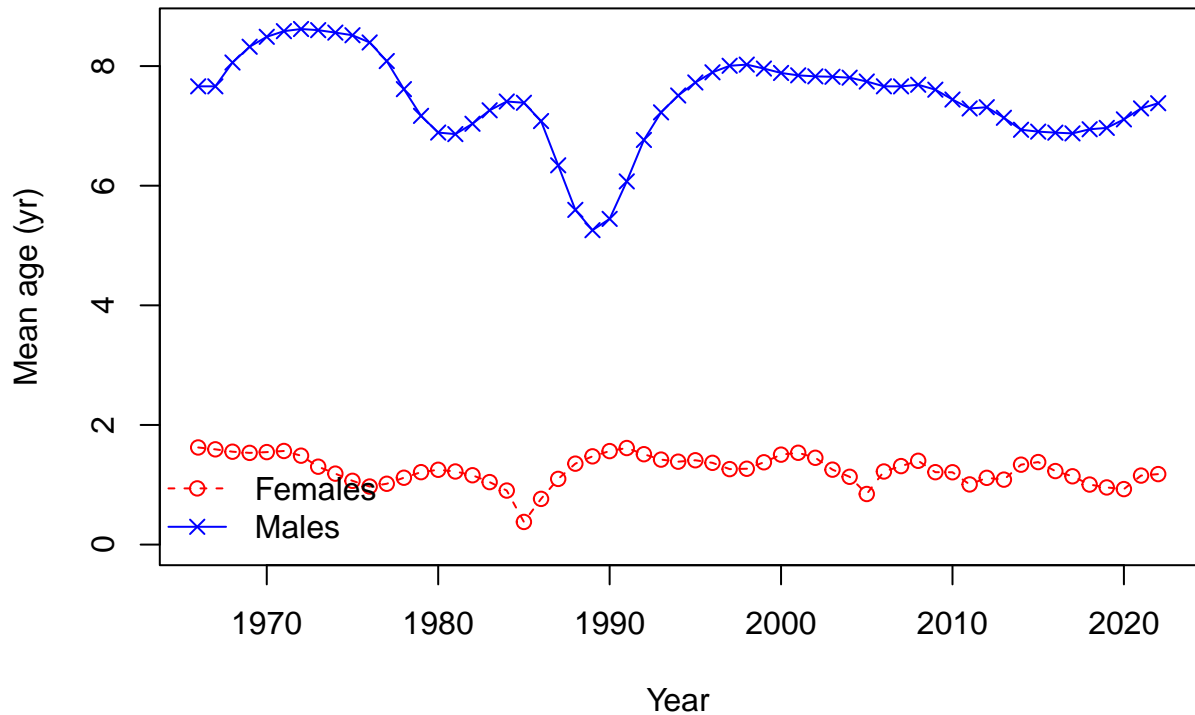




Age







Age

0
2
4
6
8
10
12
14

1970

1980

1990

2000

2010

2020

Year

1

0.9

0.7

0.2

0.6

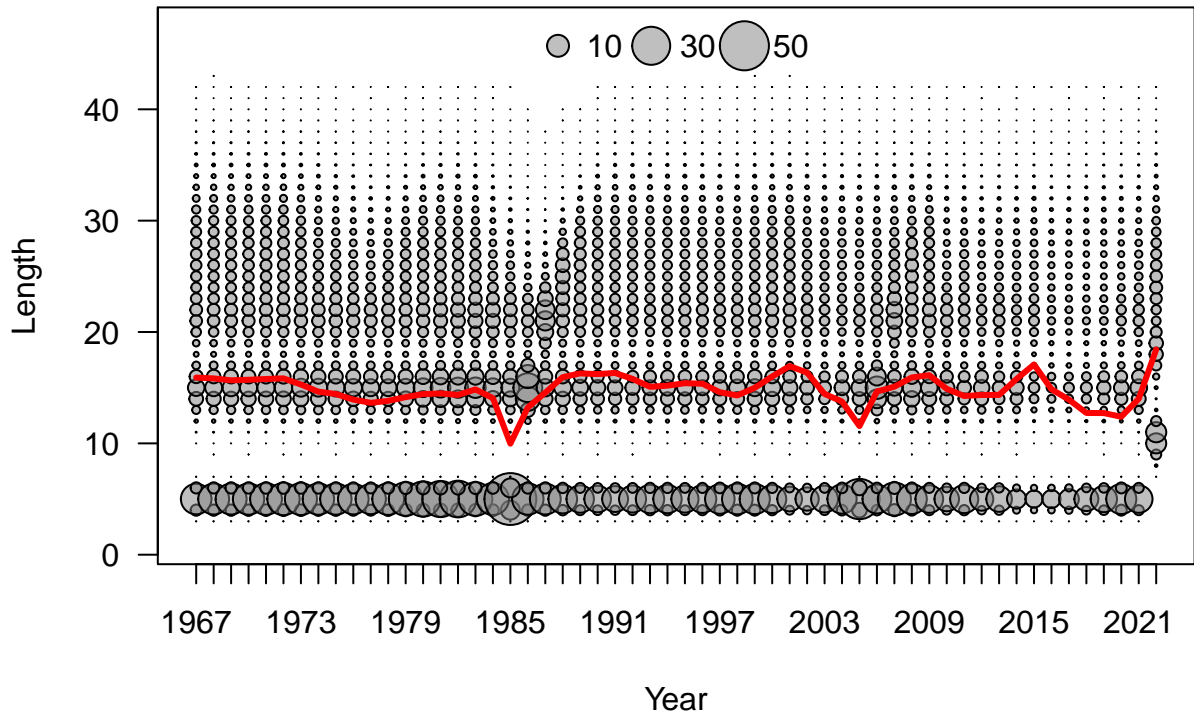
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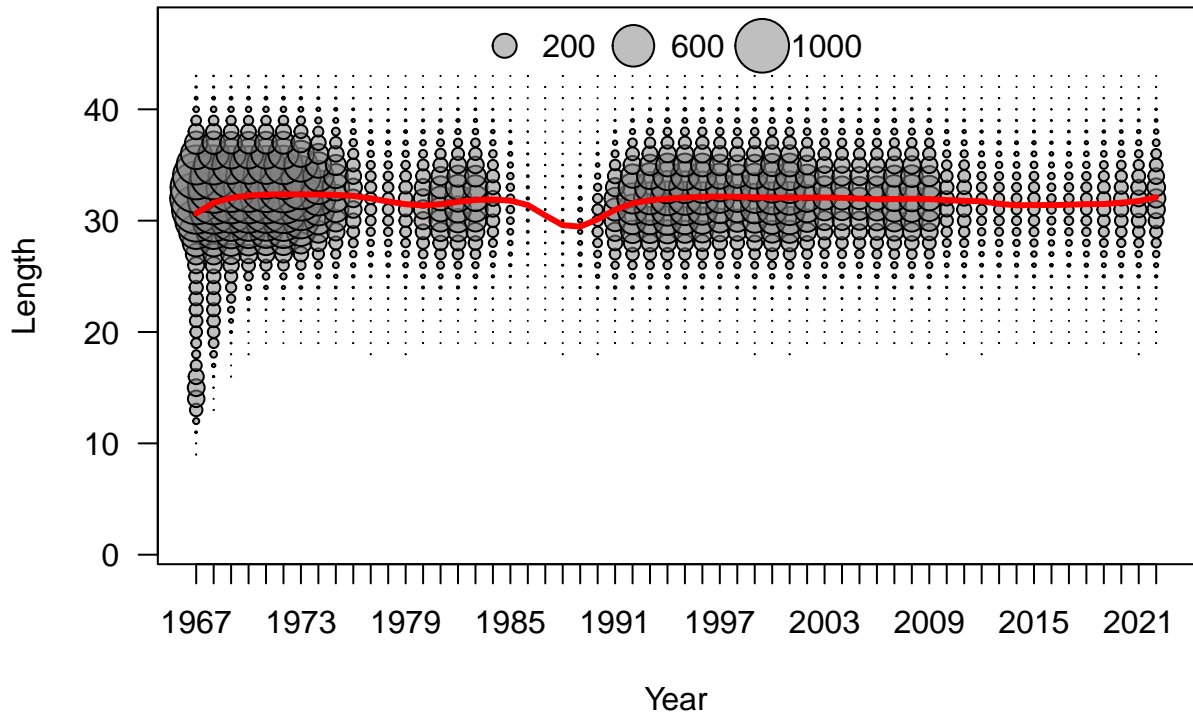
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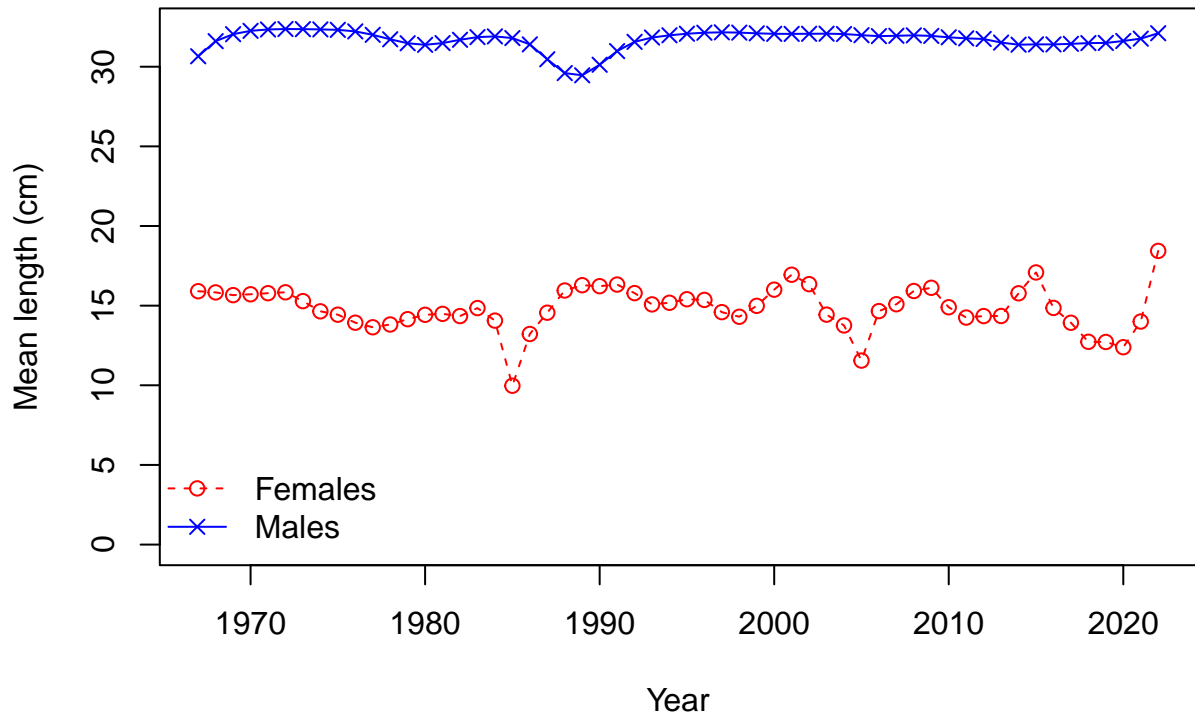
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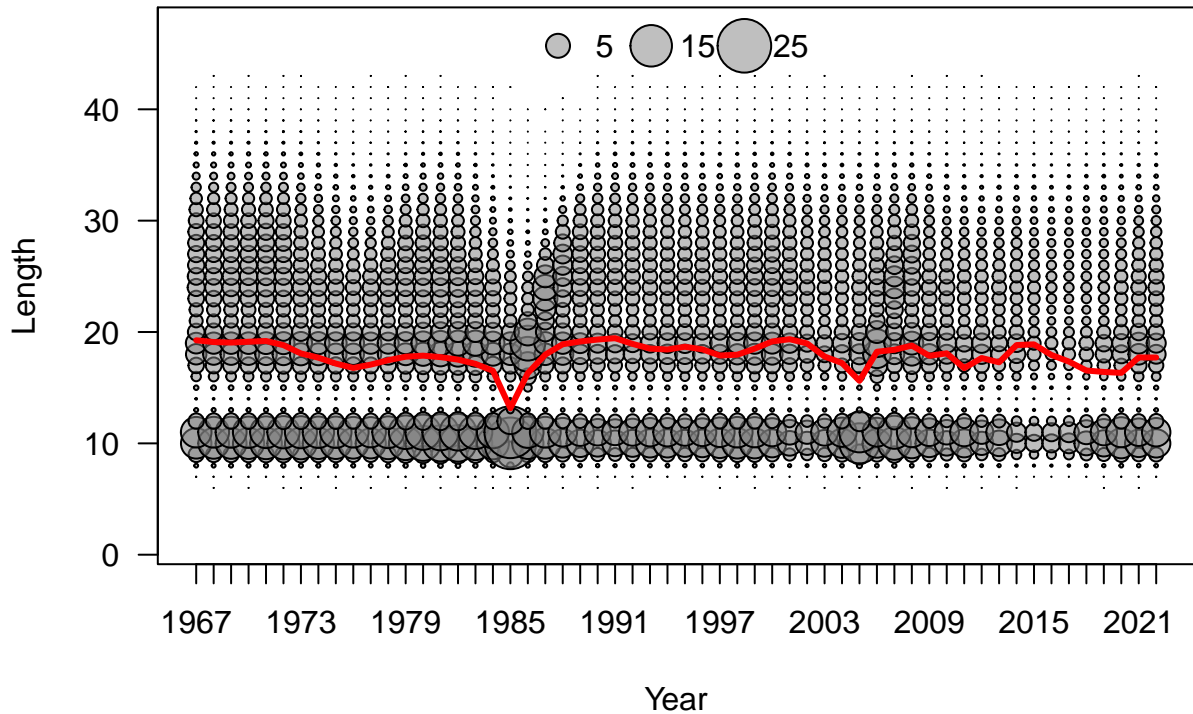
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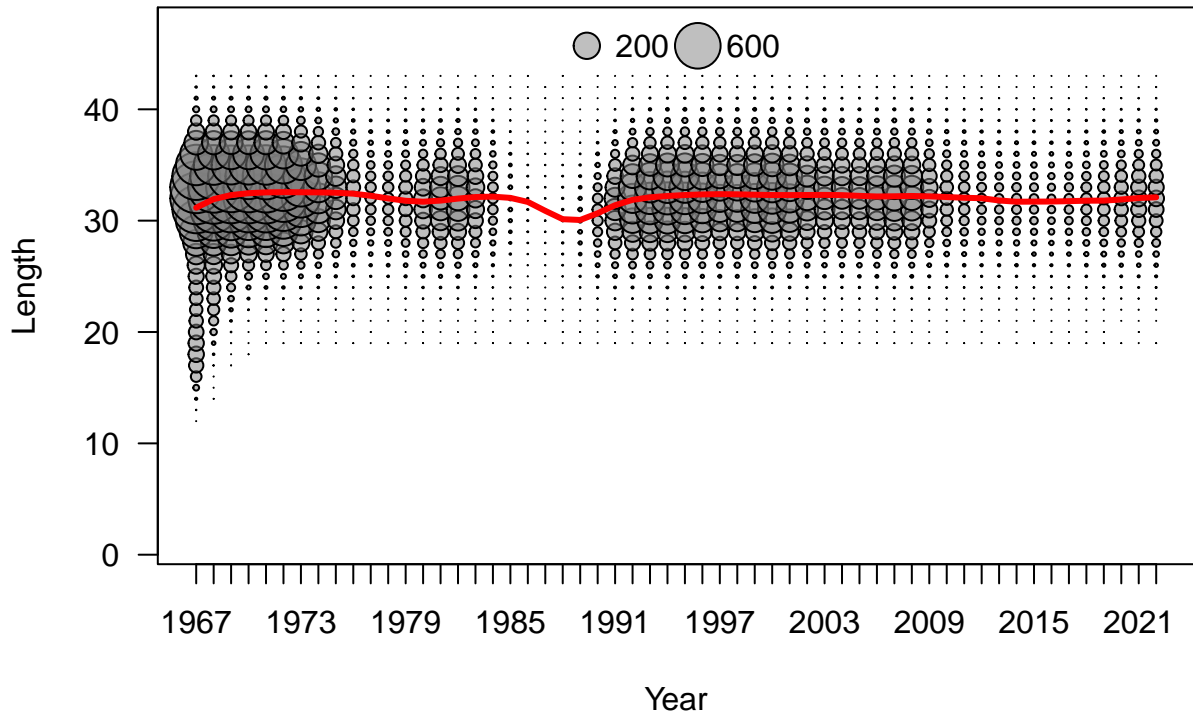
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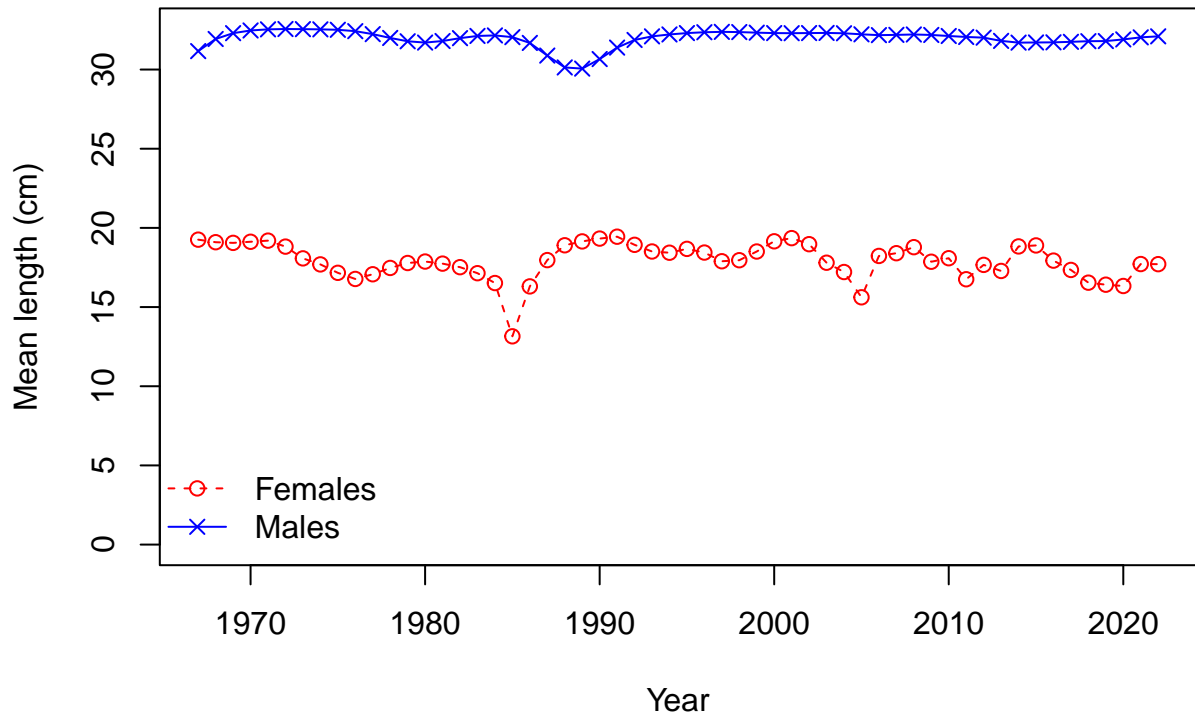




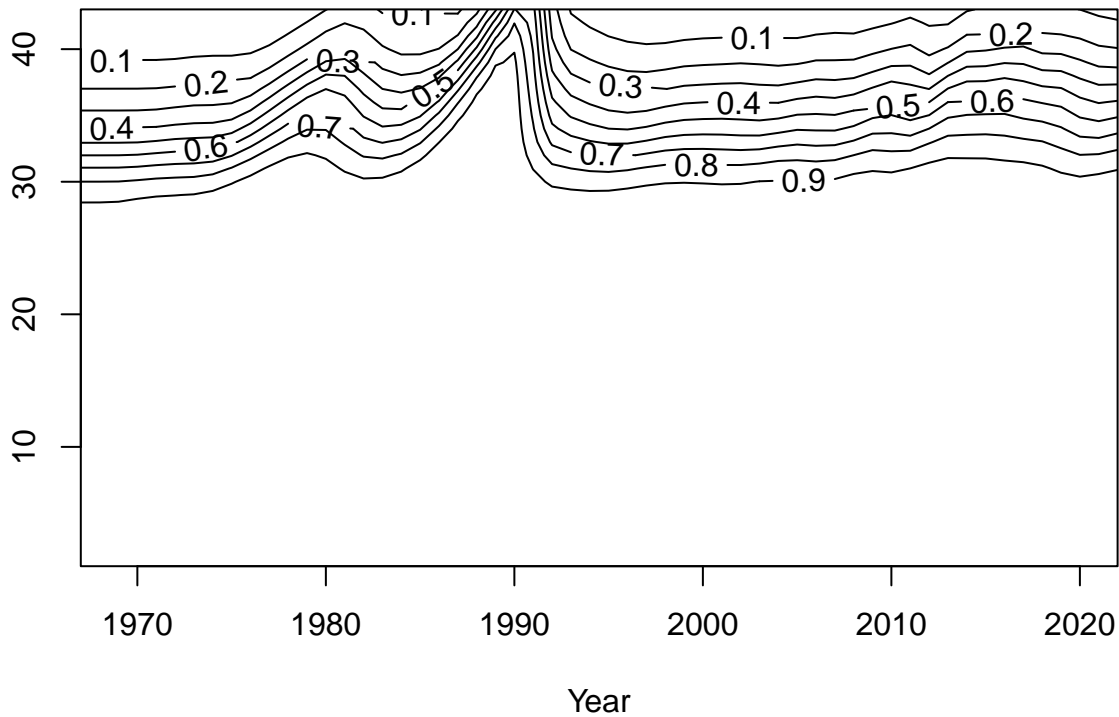


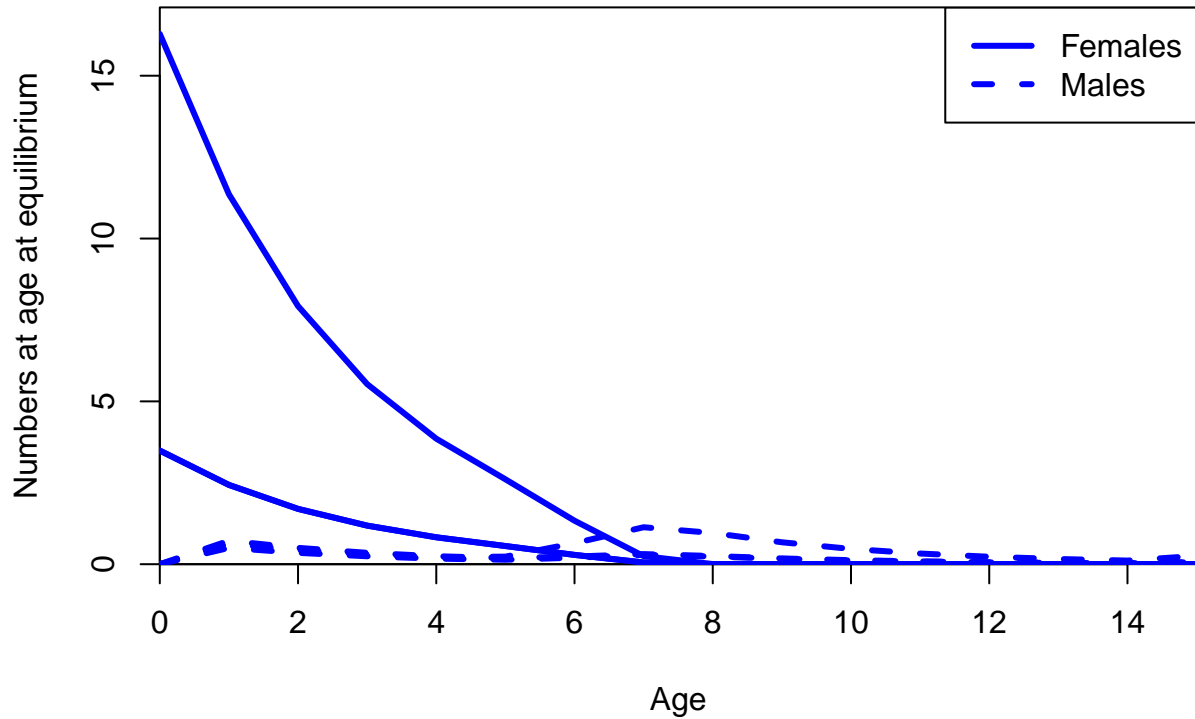






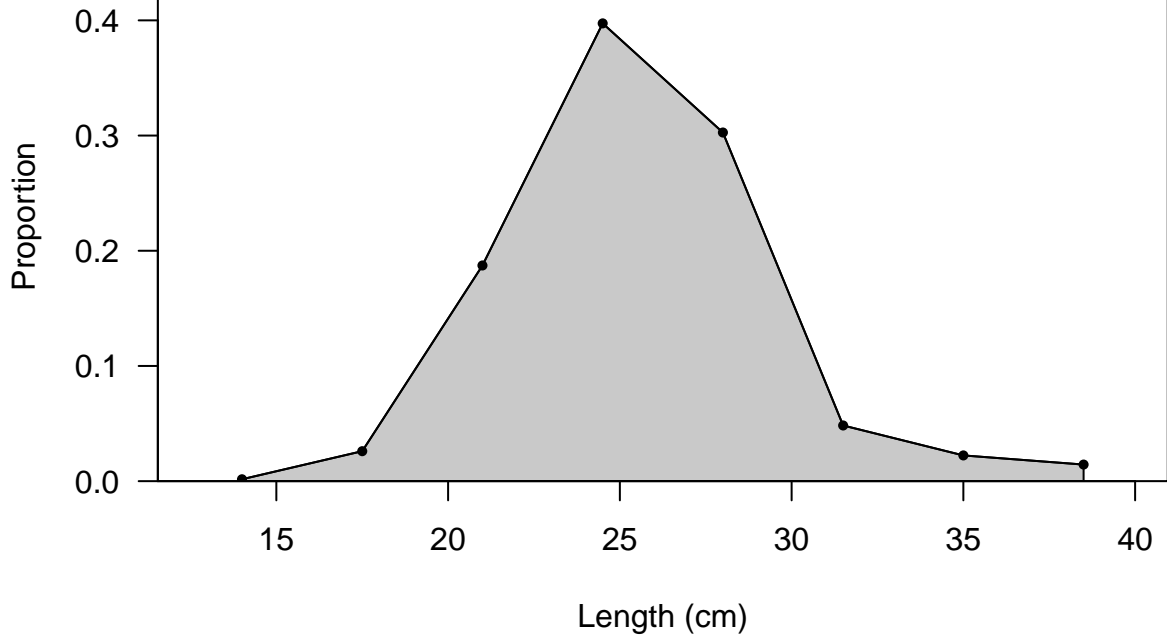
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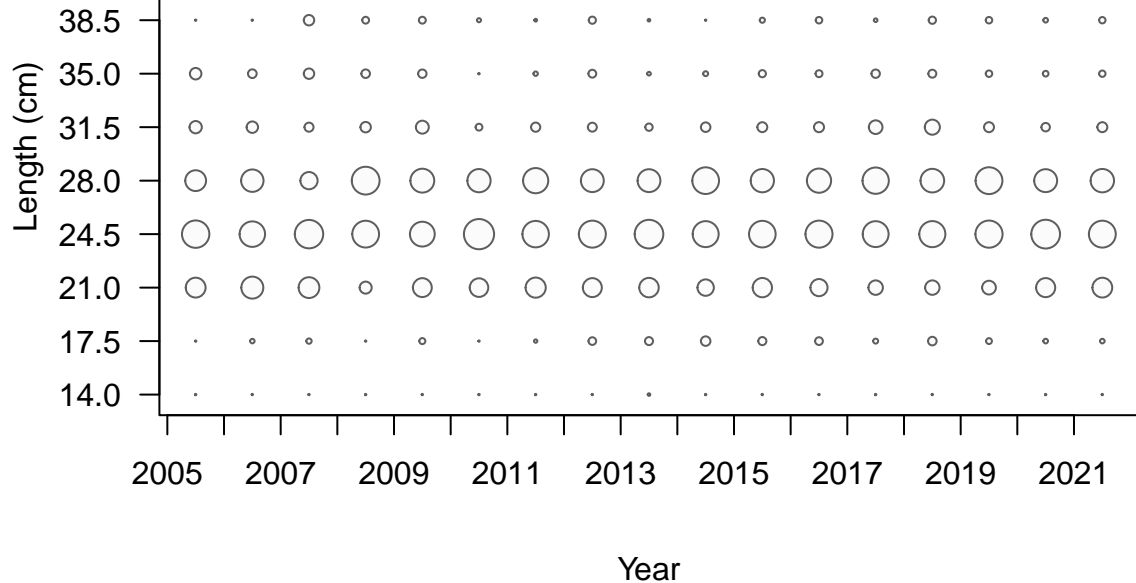
FISHERY

Sum of N input=5953

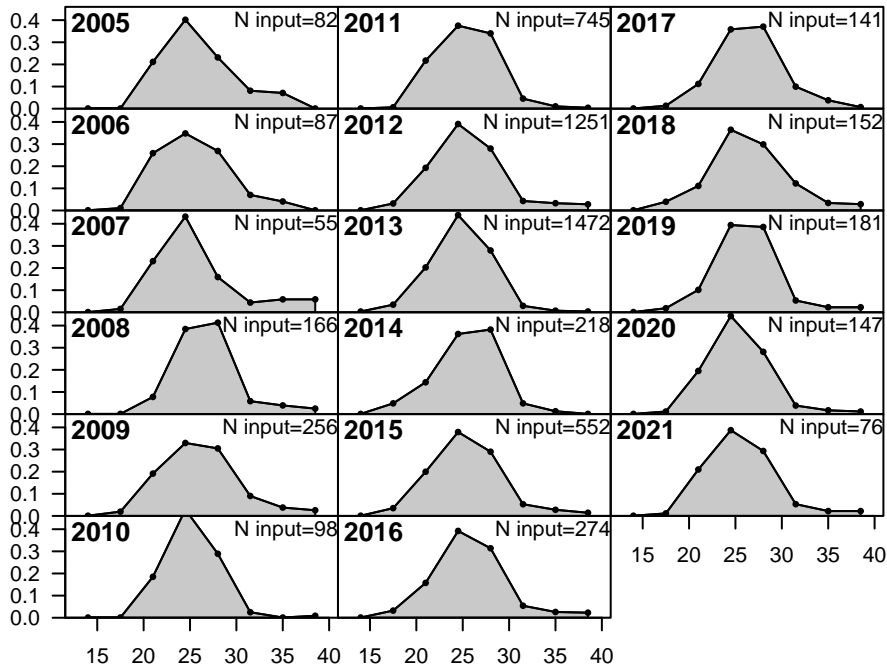


FISHERY

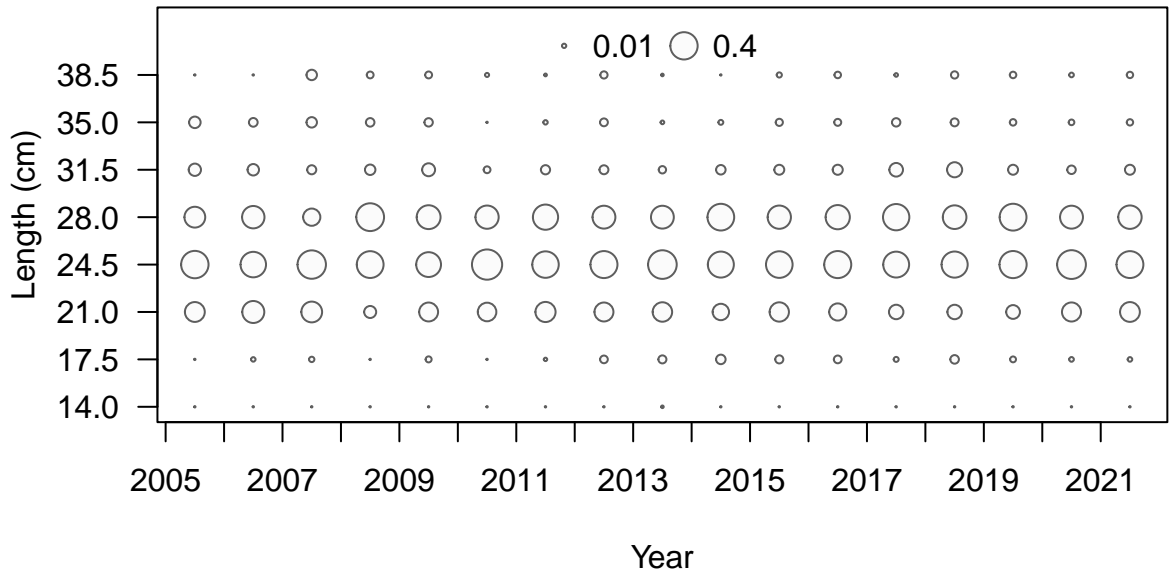
◦ 0.01 ○ 0.4



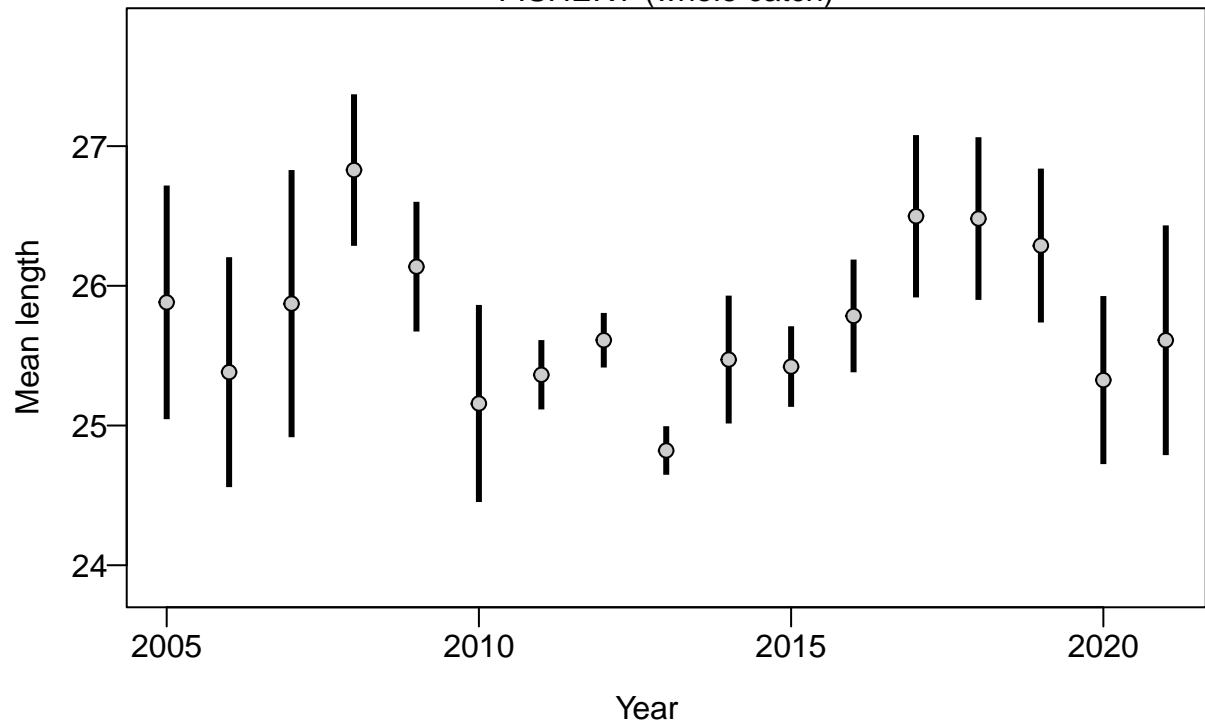
Proportion

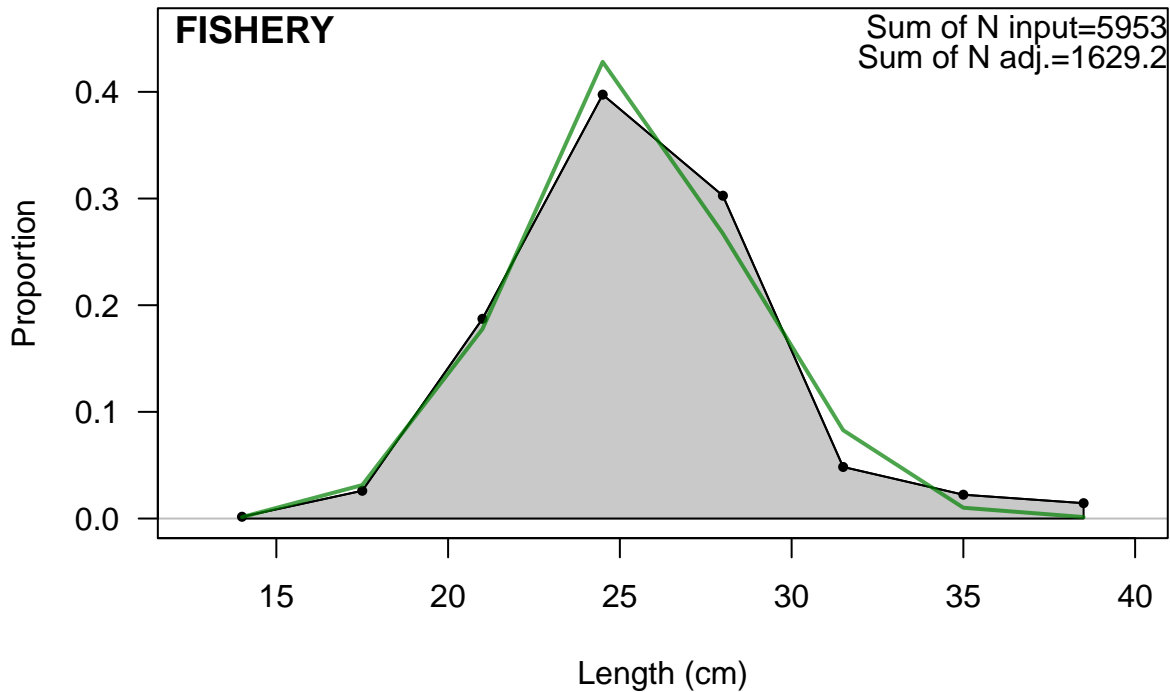


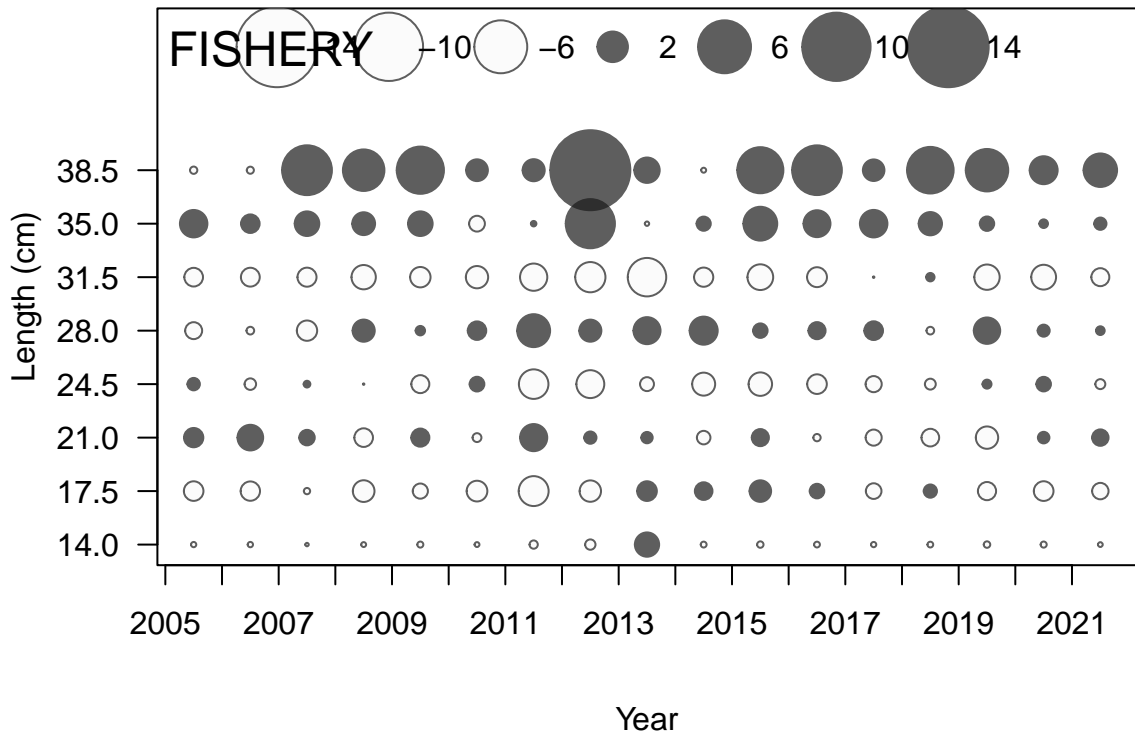
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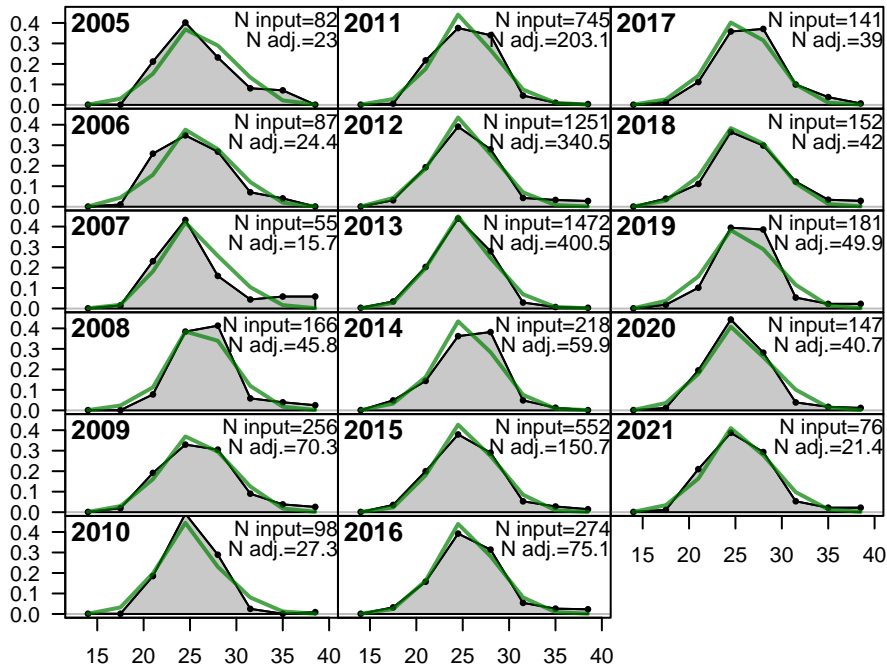
FISHERY (whole catch)



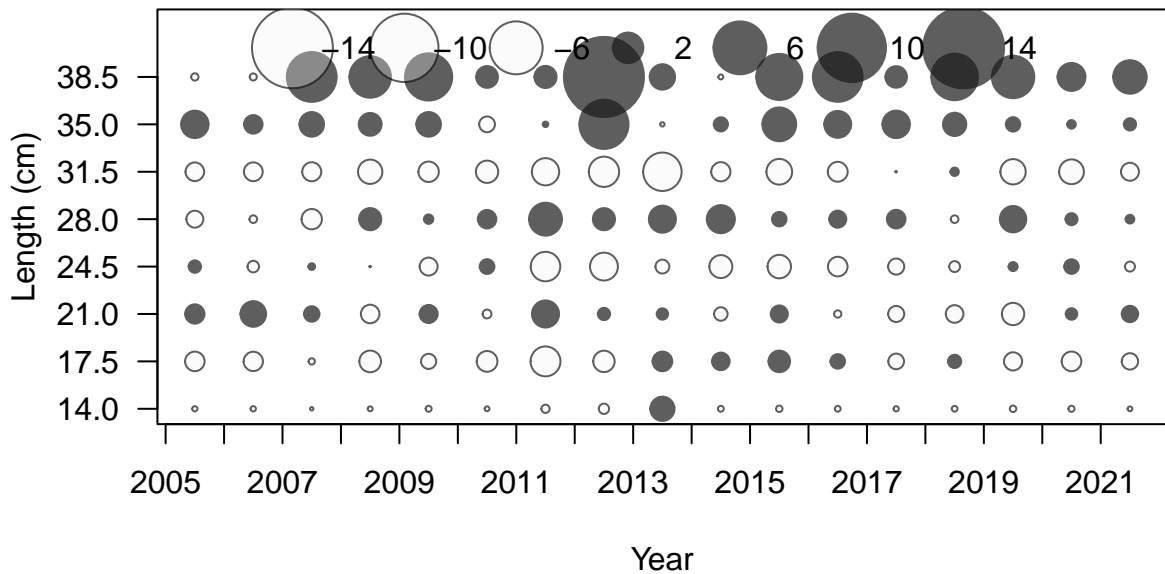




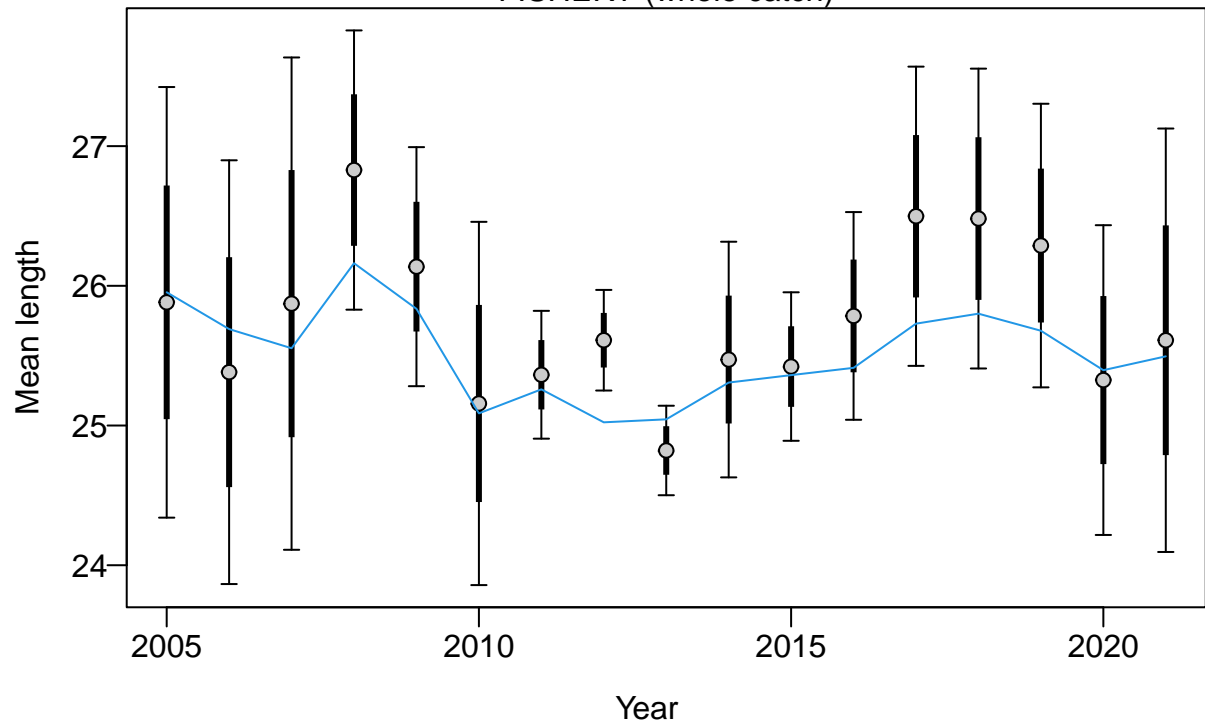
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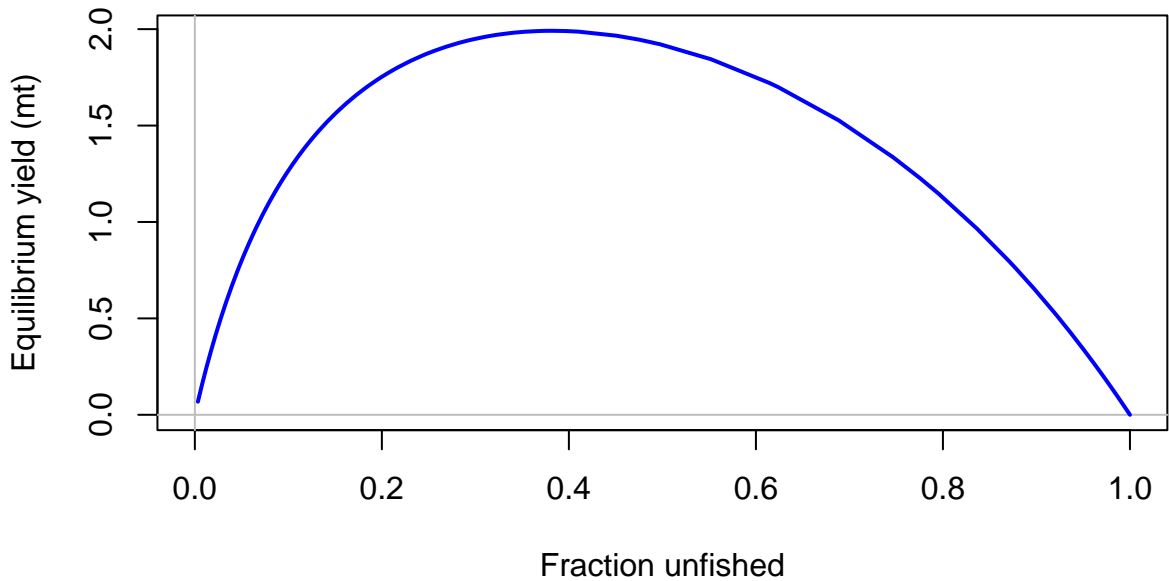


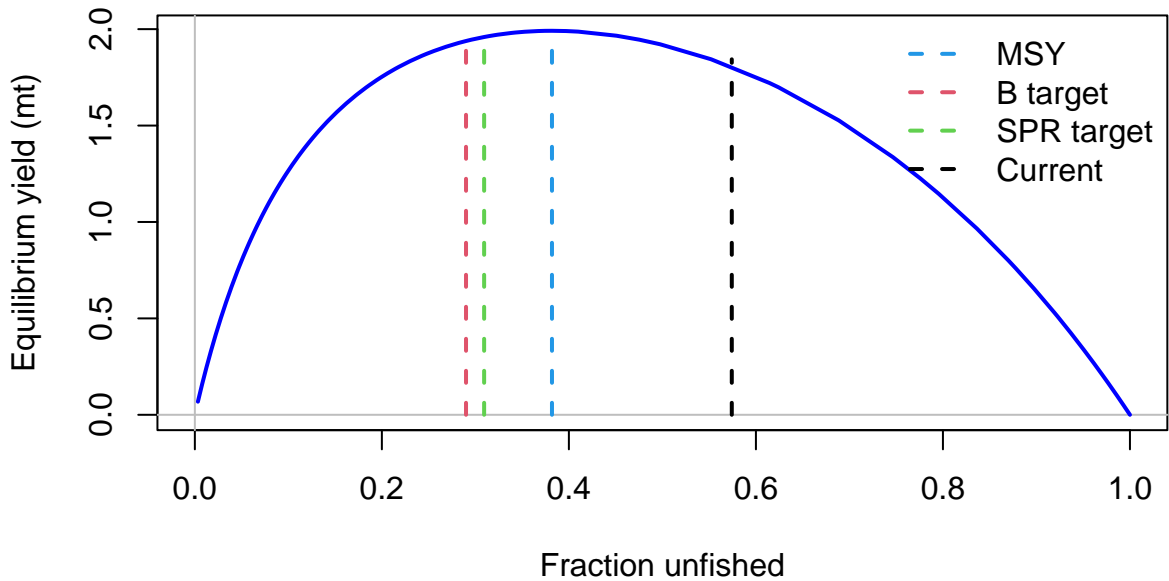
Length (cm)

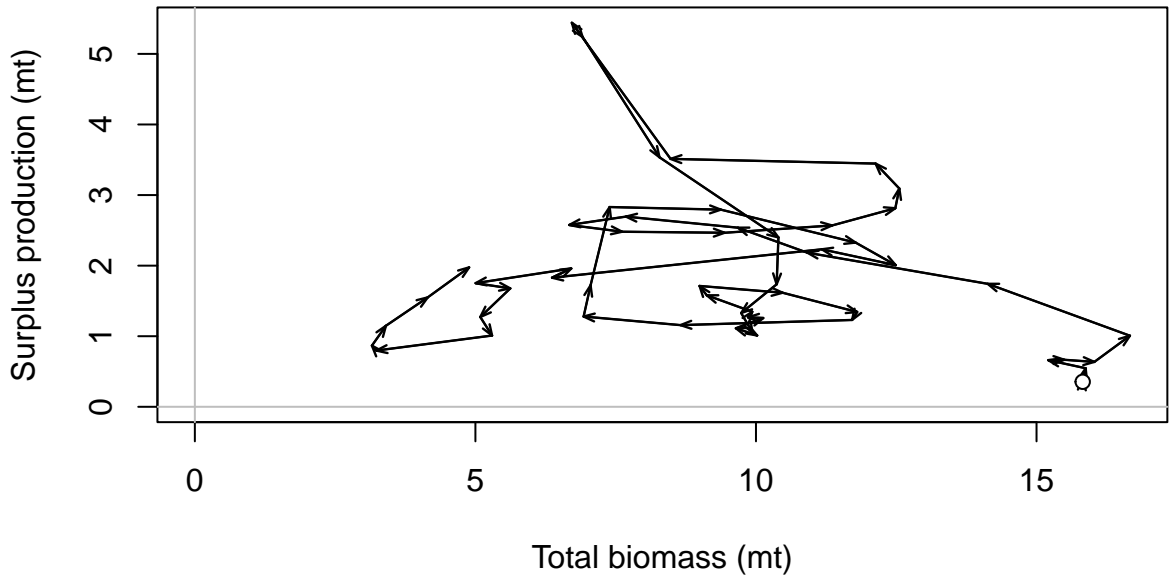


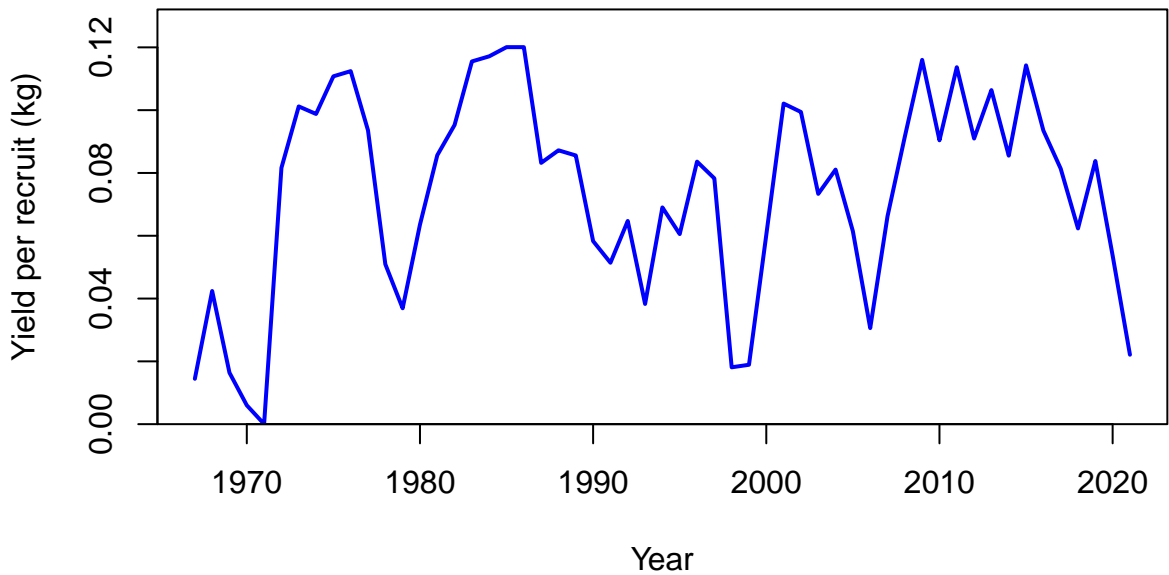
FISHERY (whole catch)

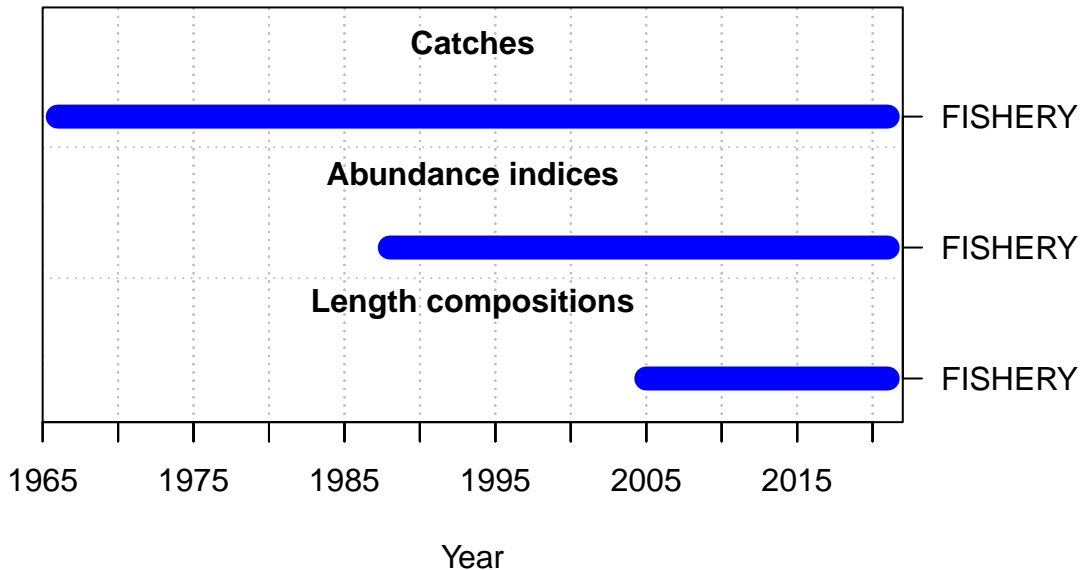


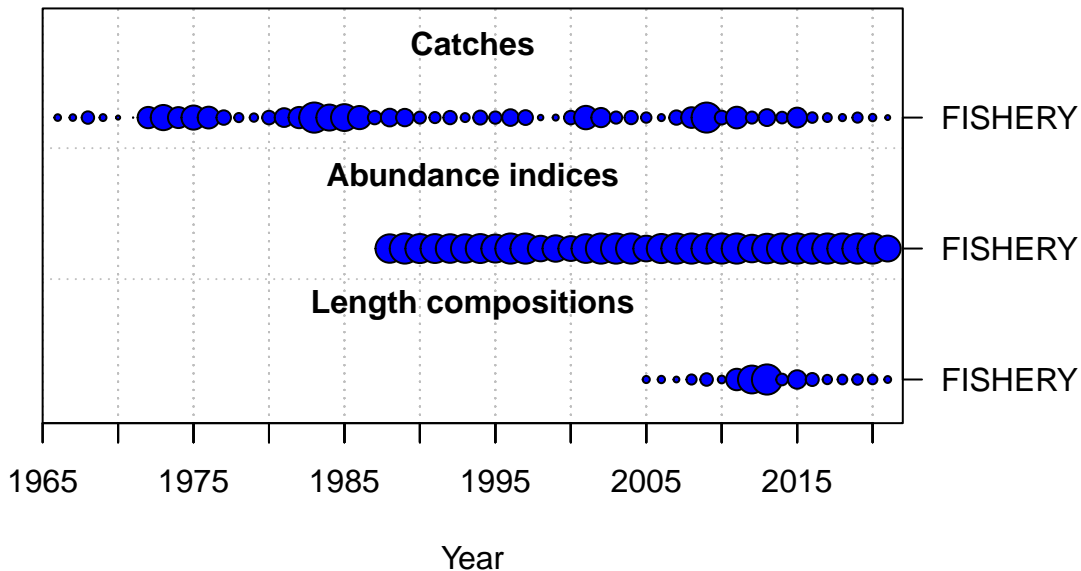


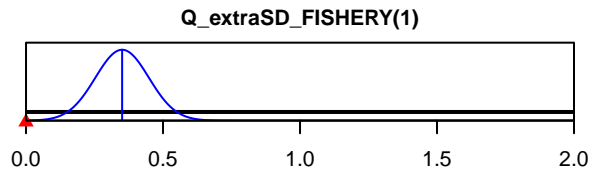
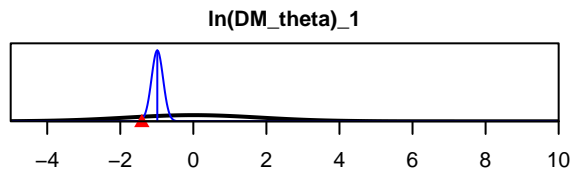
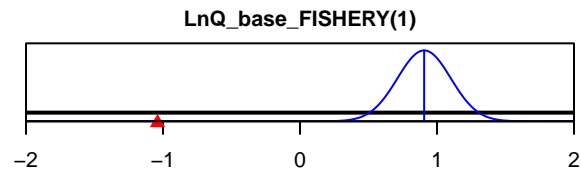
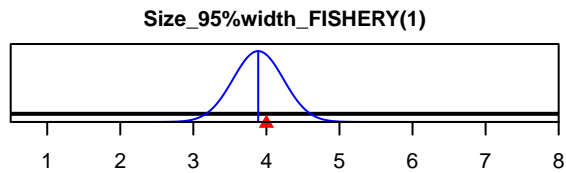
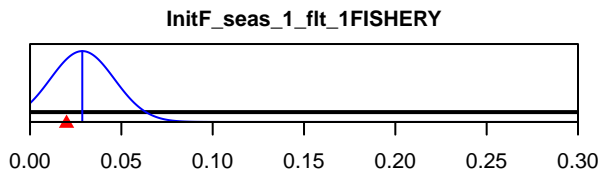
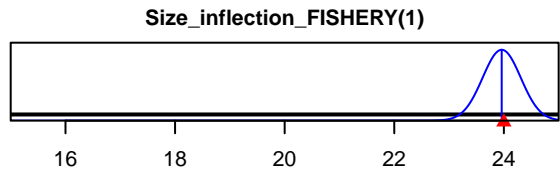
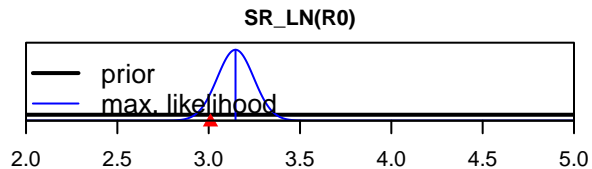












Parameter value