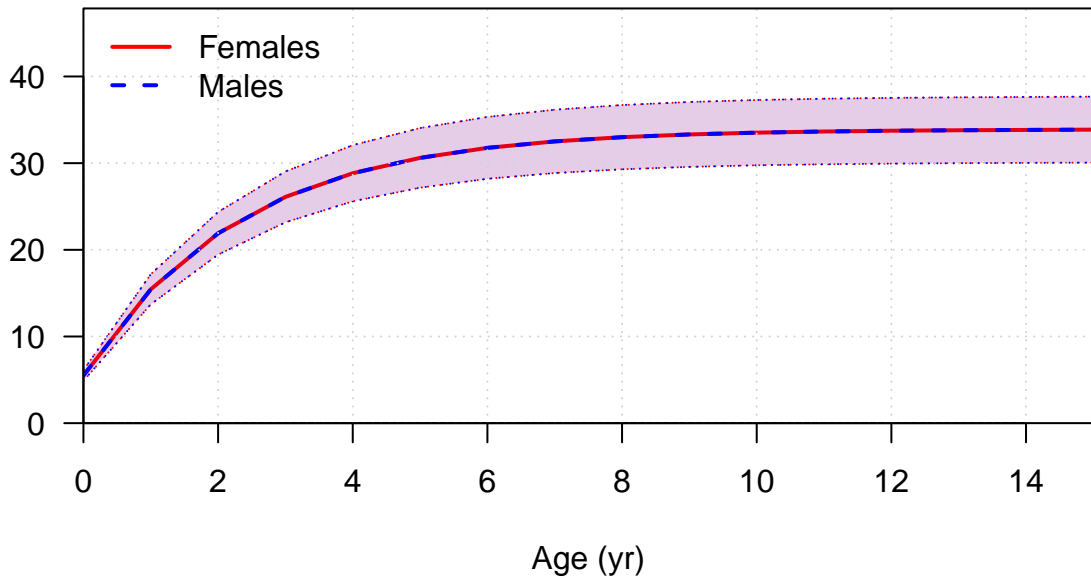
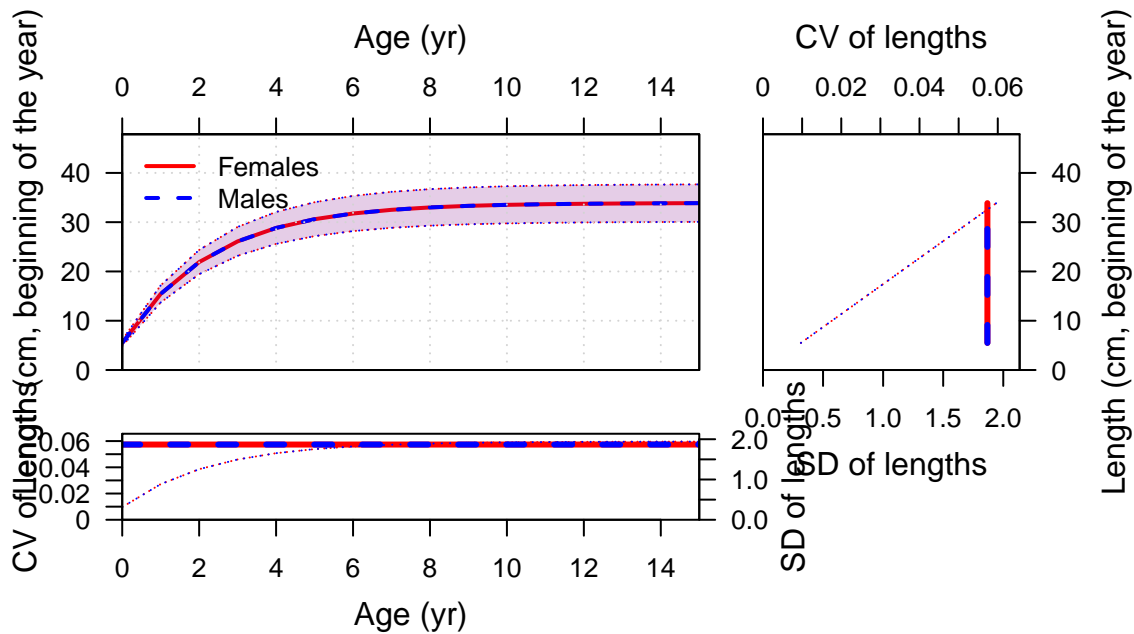
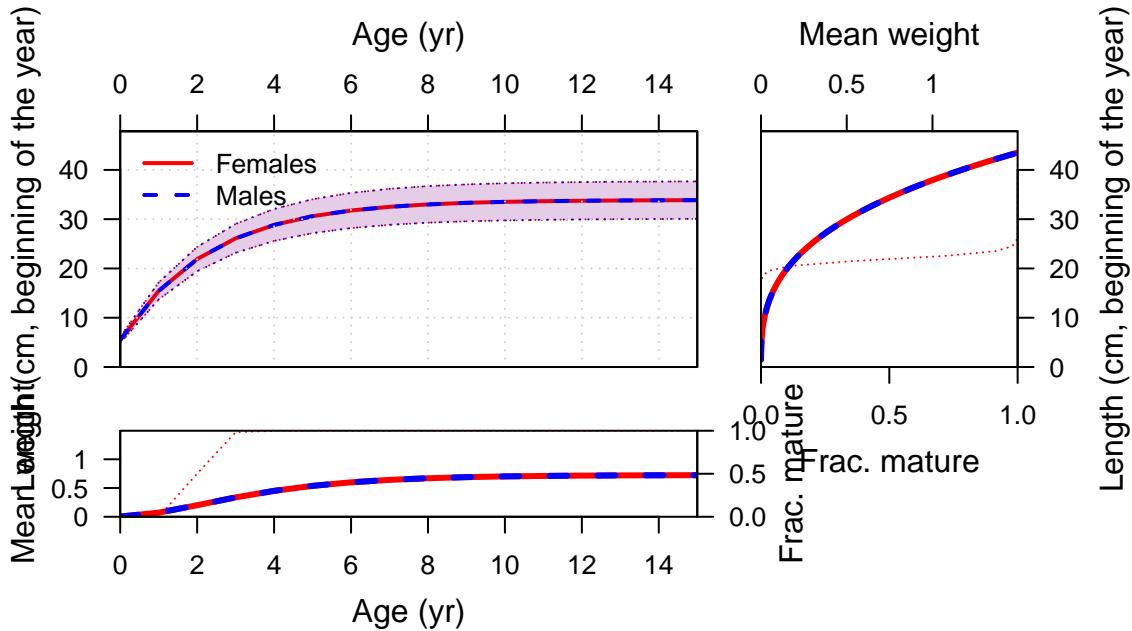


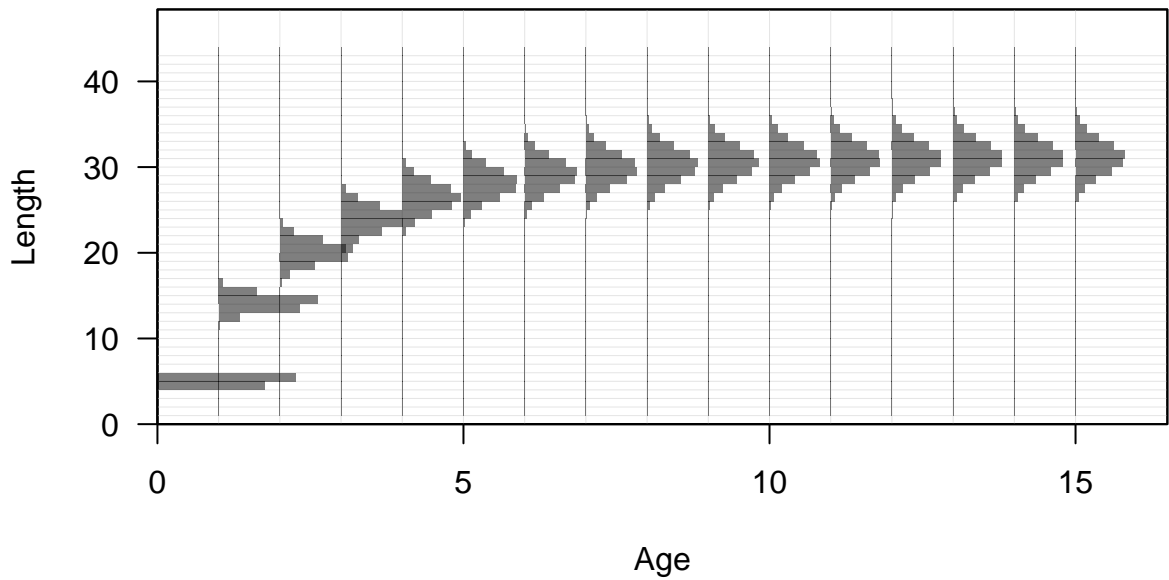
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Sun Feb 19 15:07:30 2023
Data_File: data.ss
Control_File: control.ss

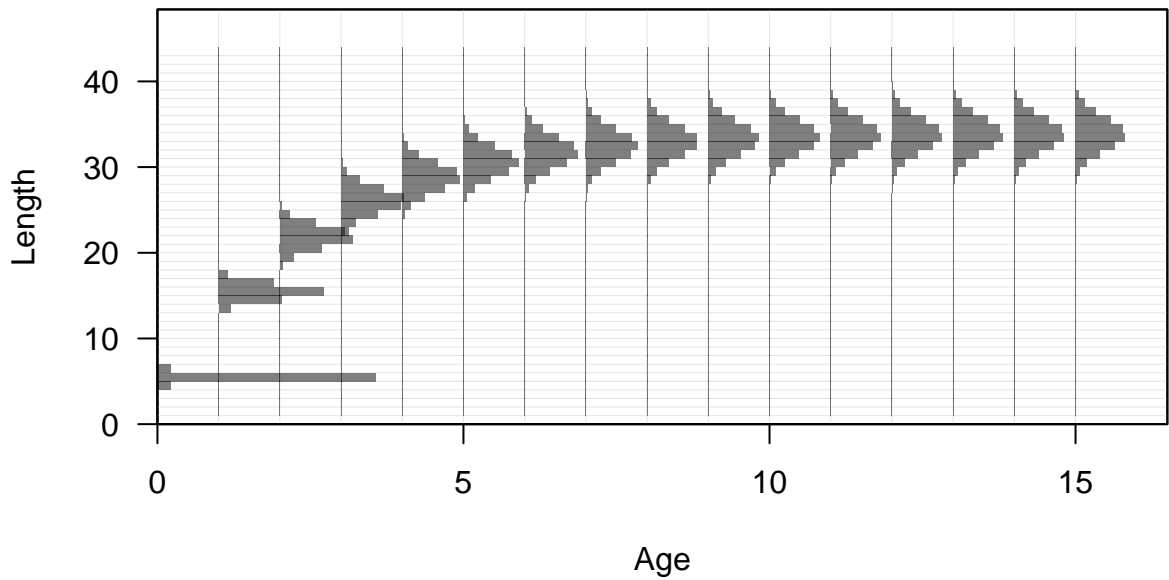
Length (cm, beginning of the year)

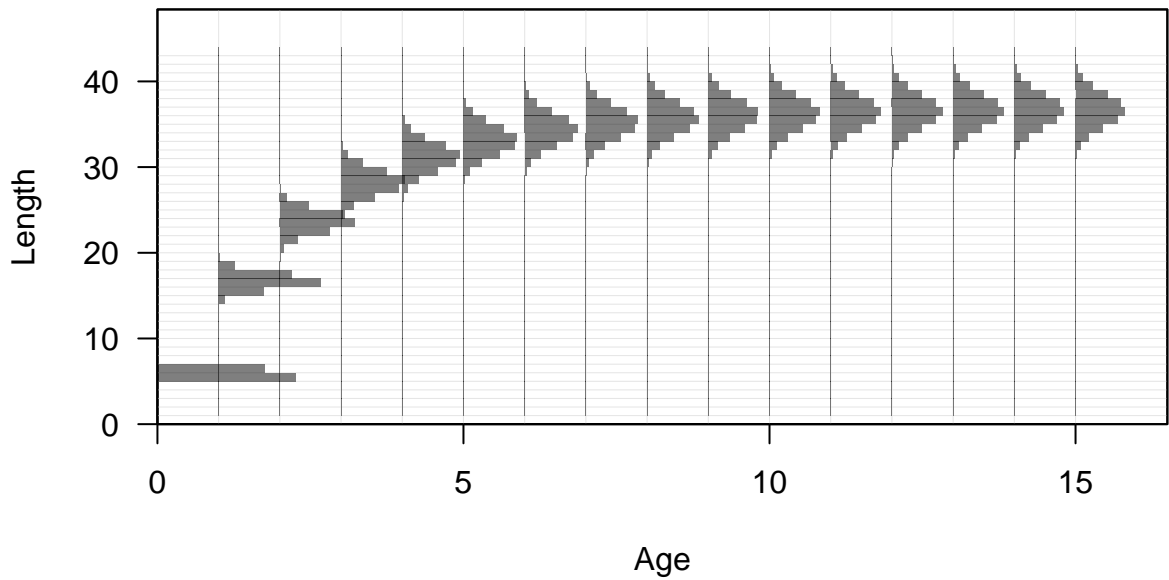


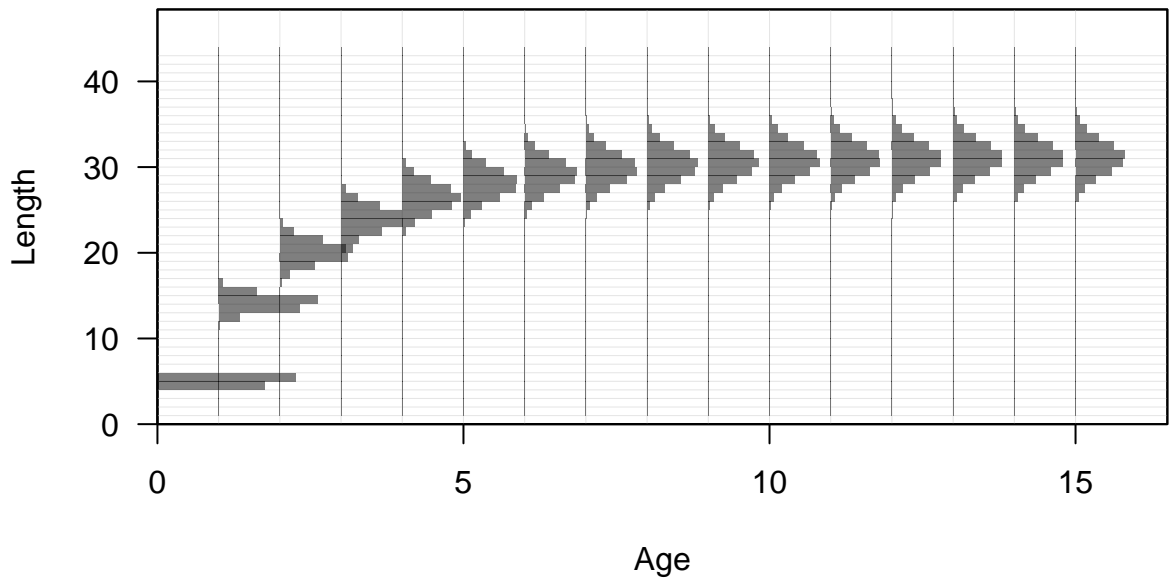


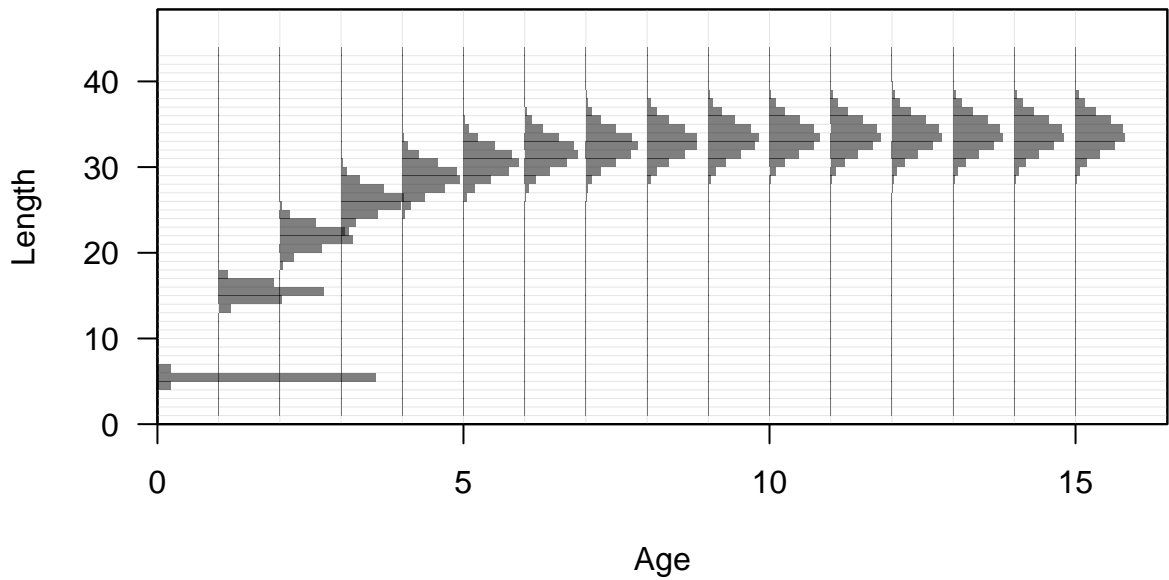


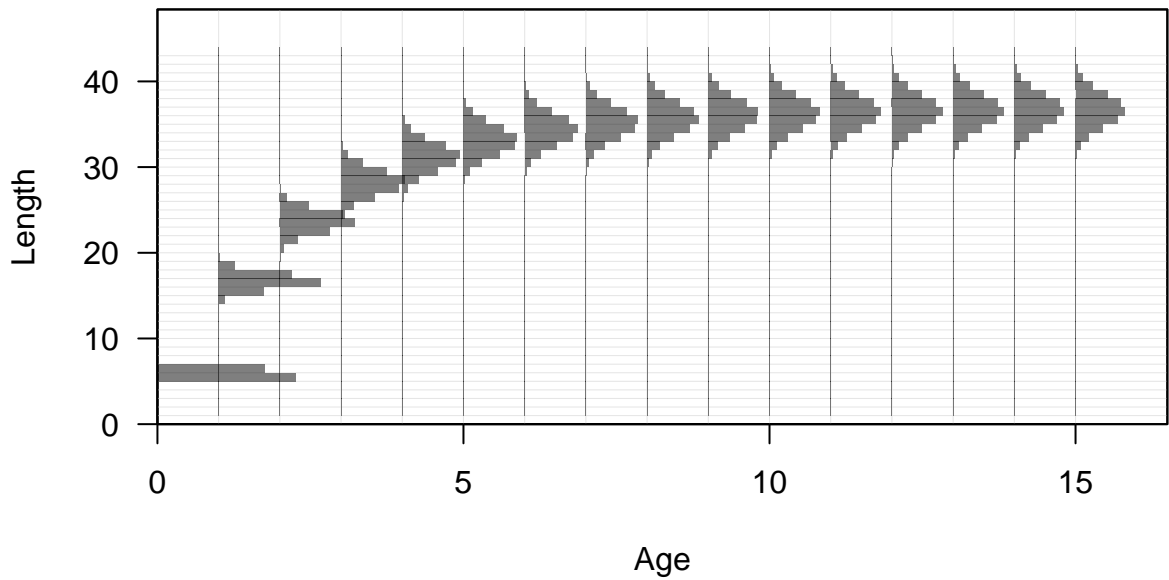


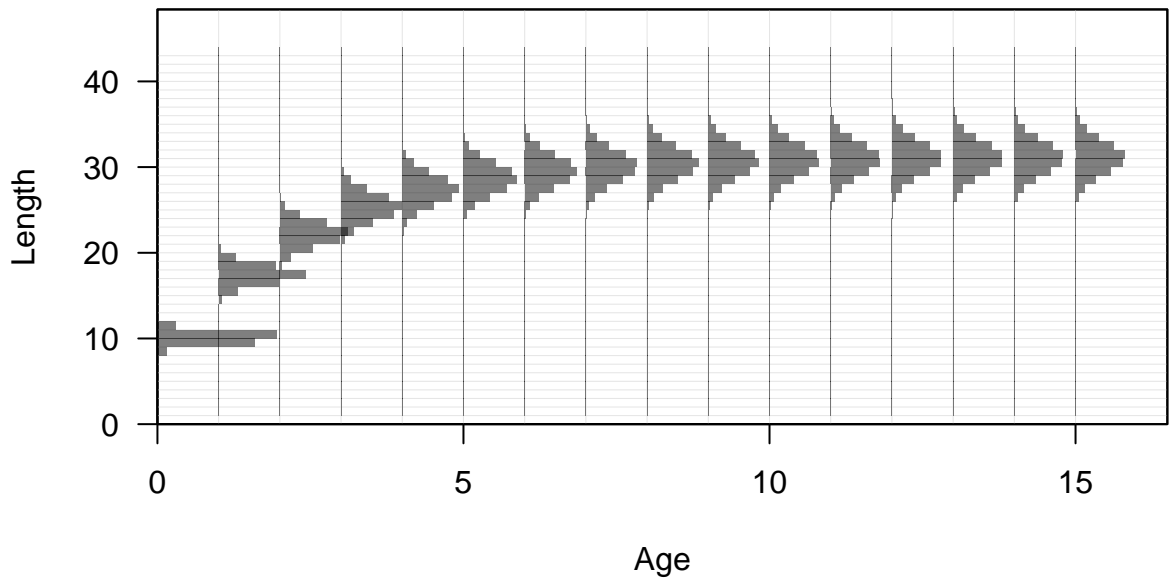


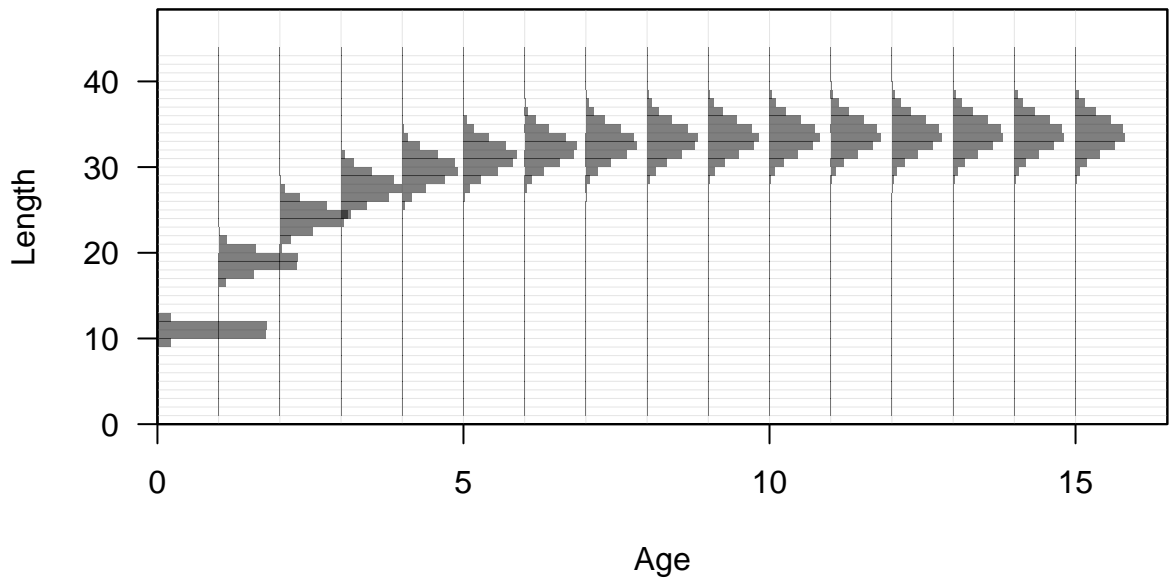


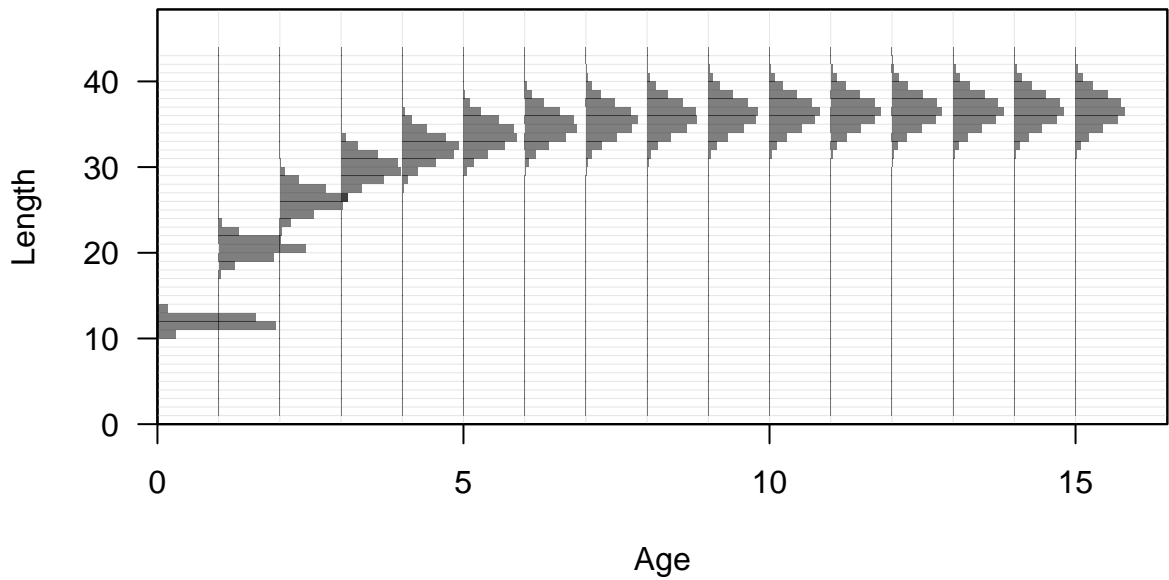


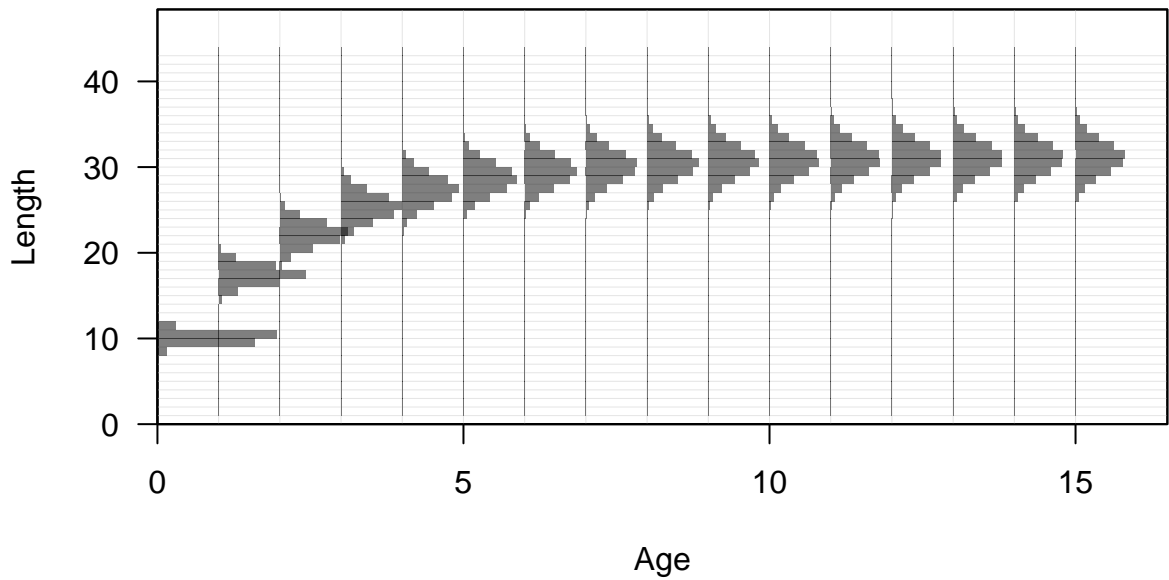


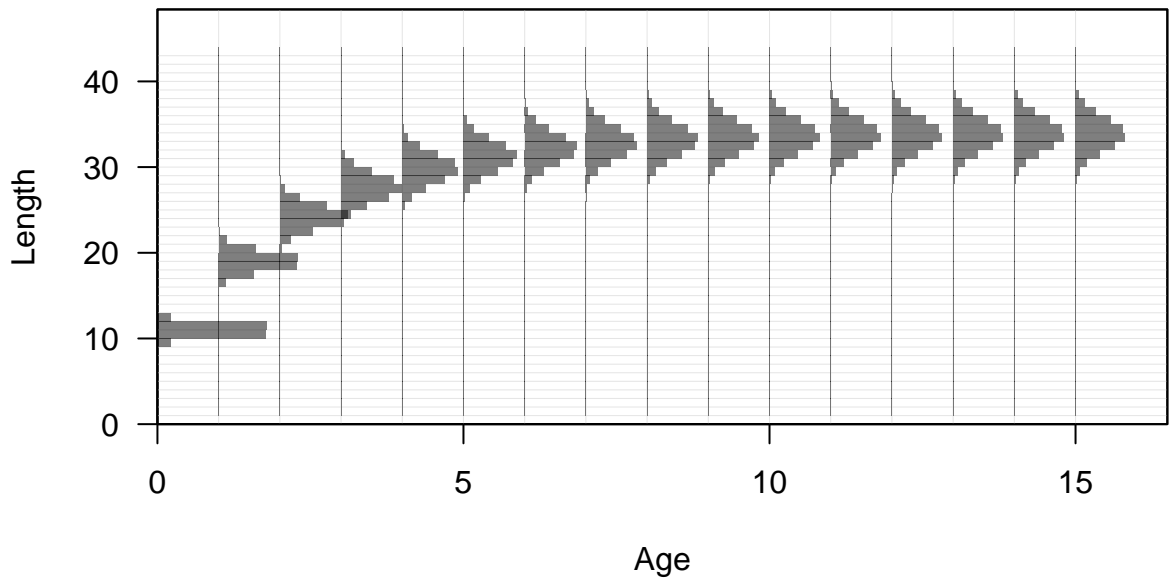


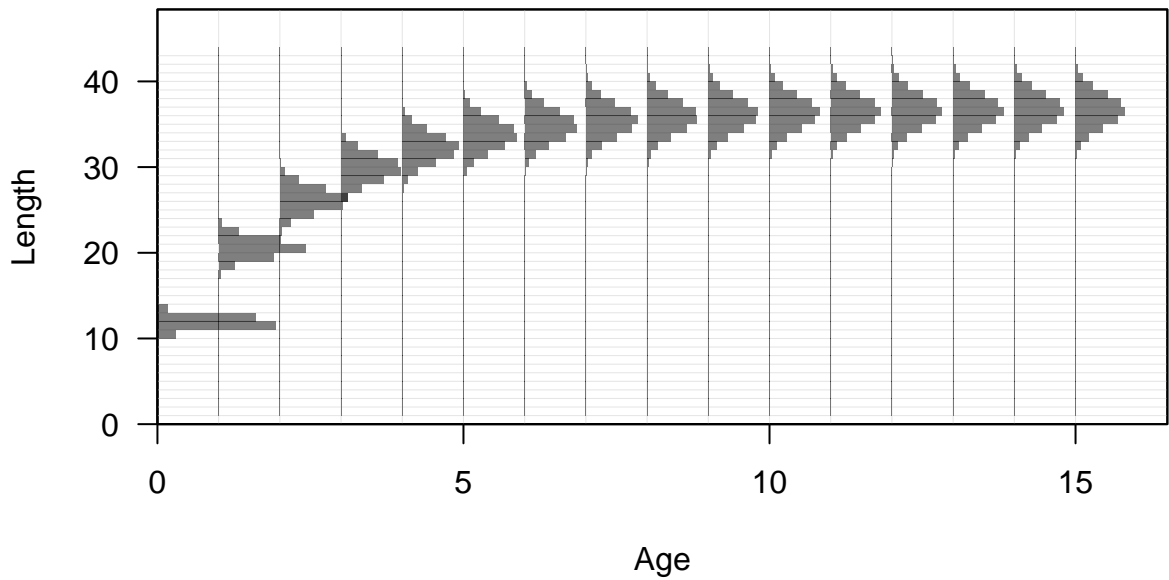


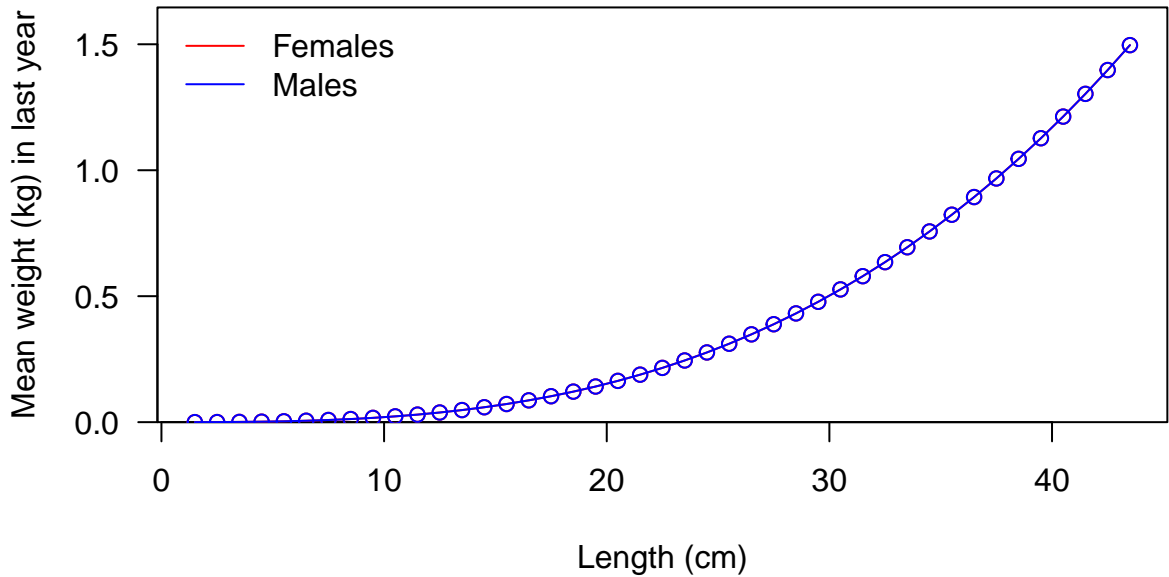


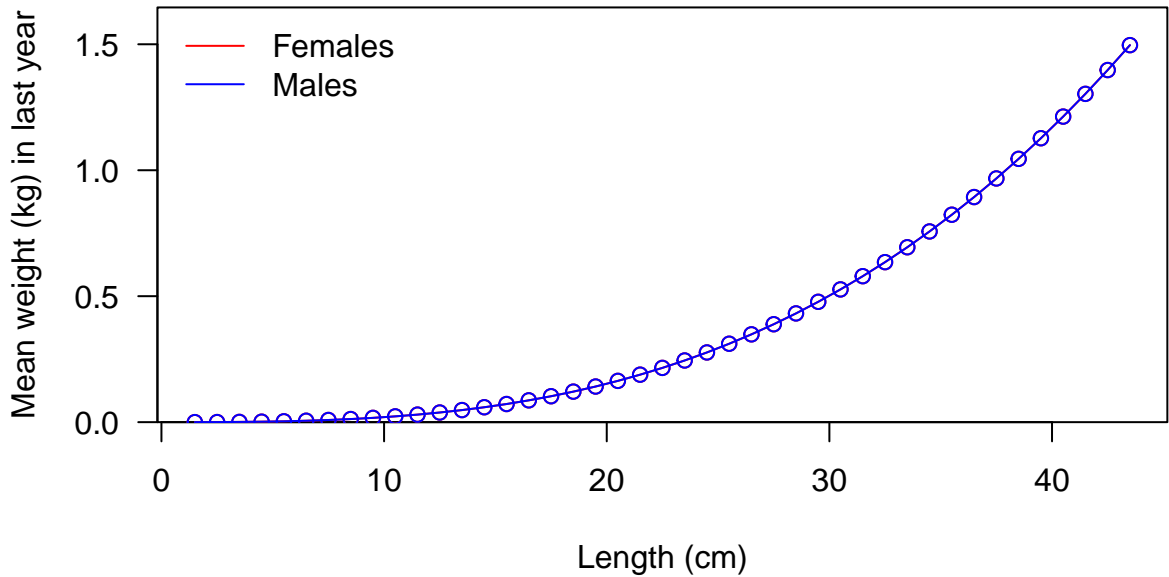


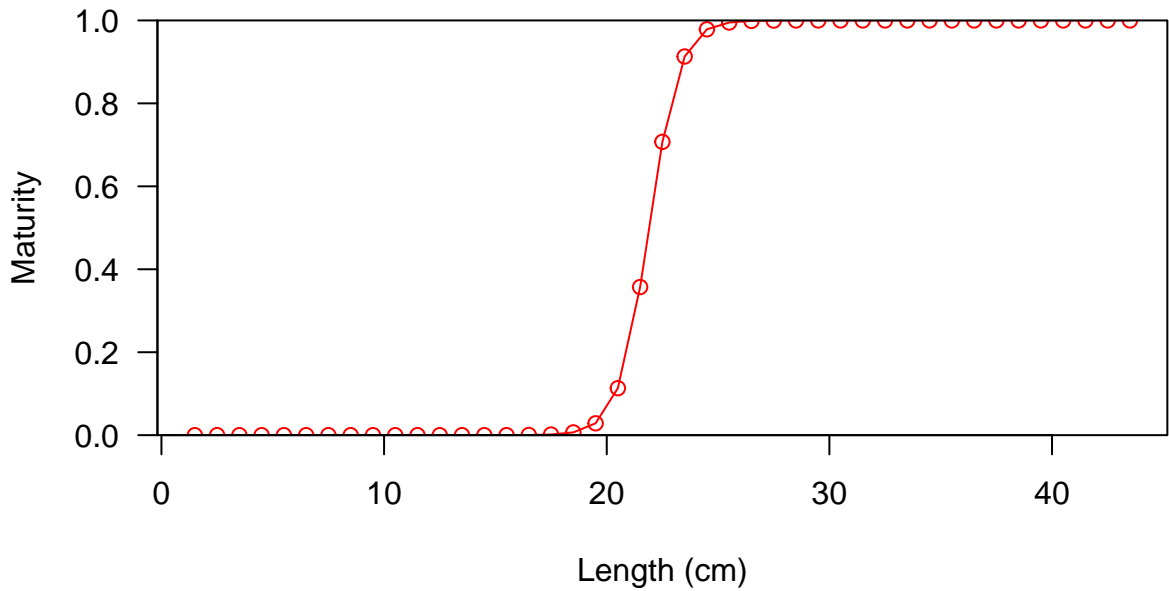


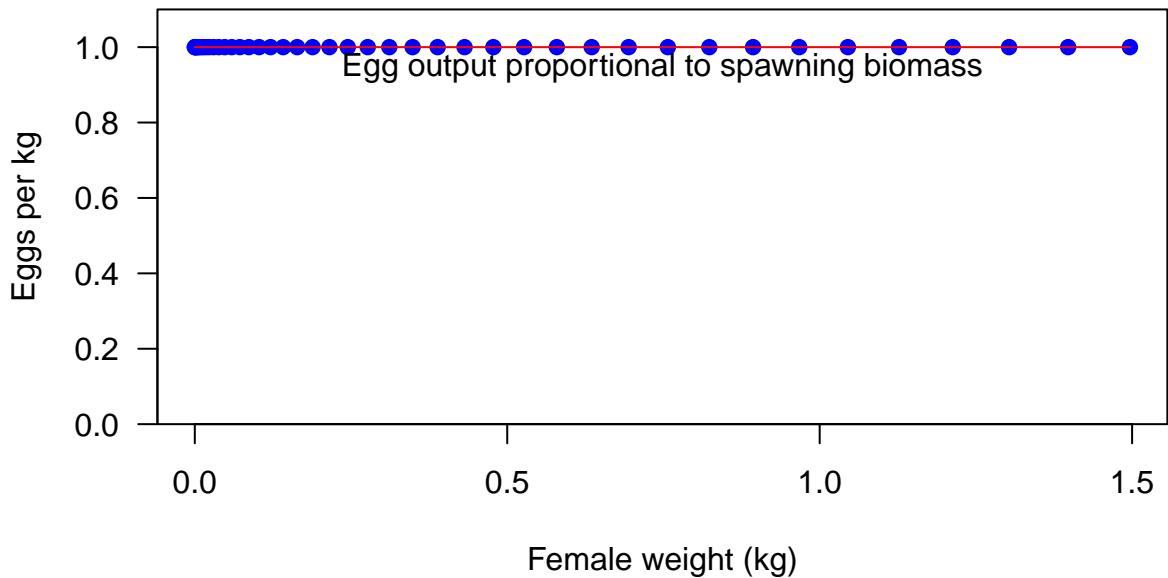


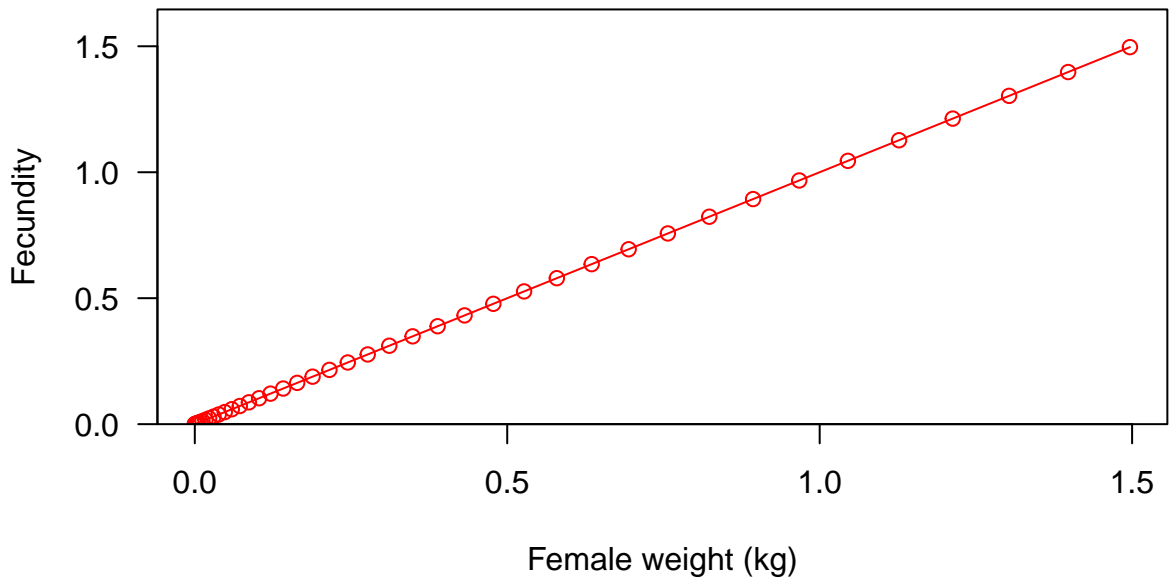


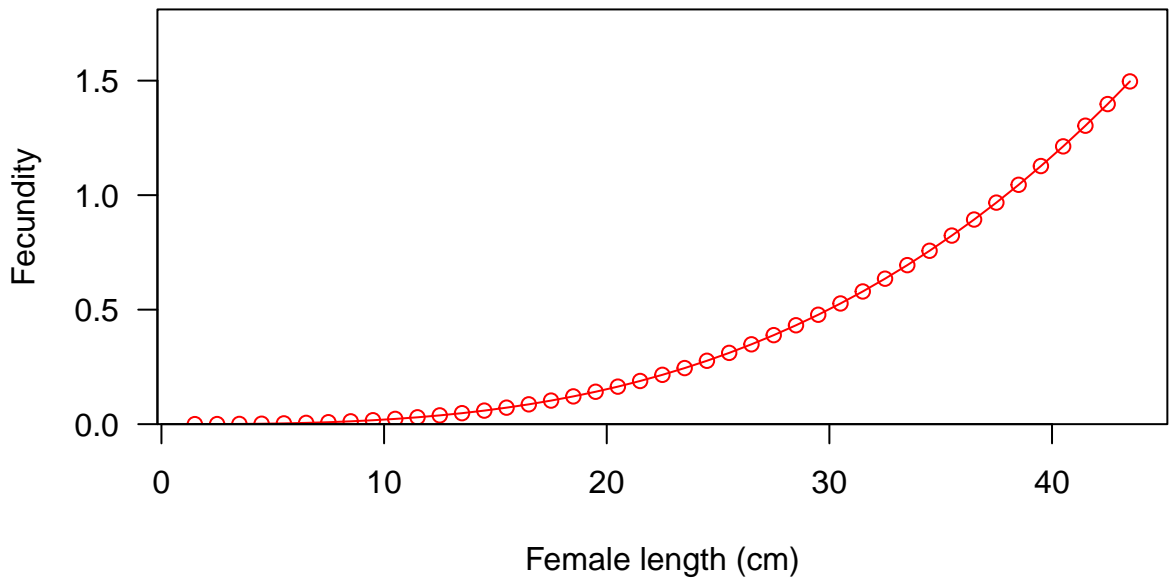


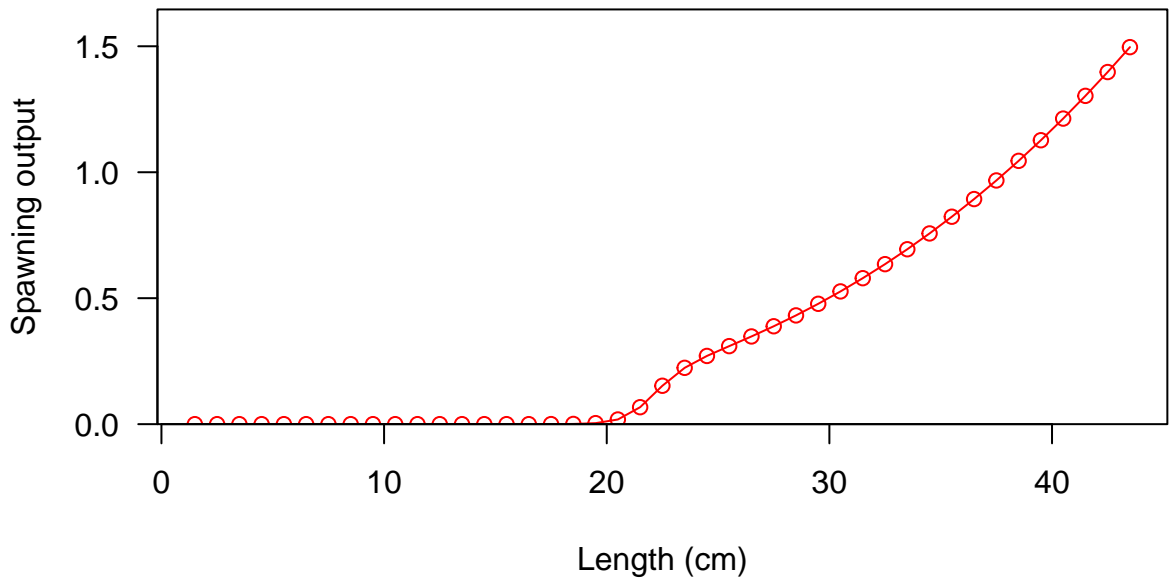


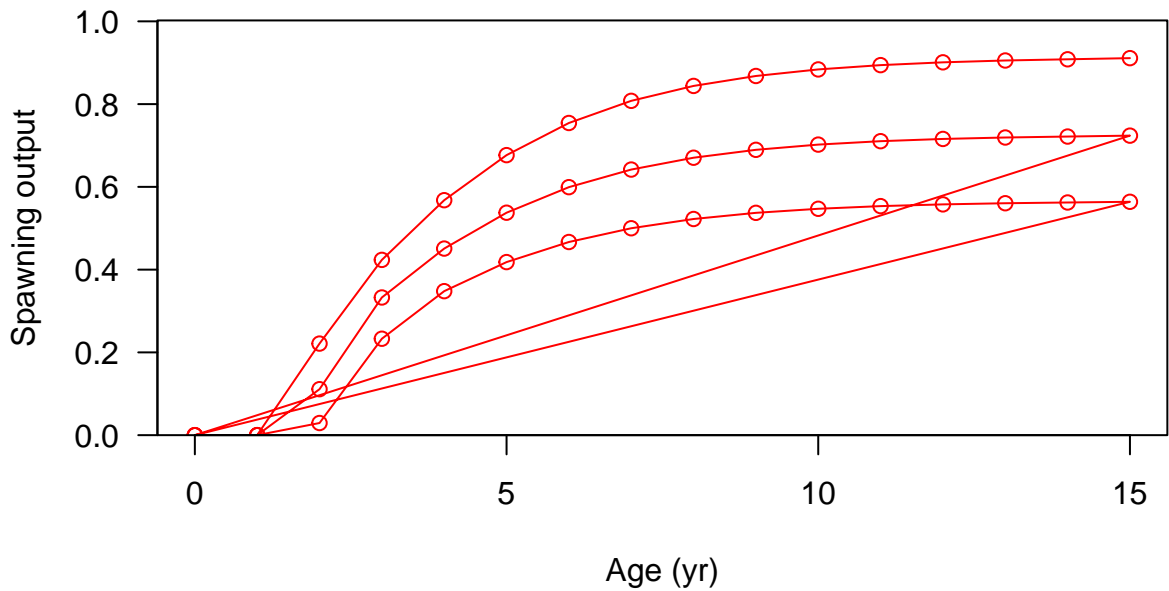




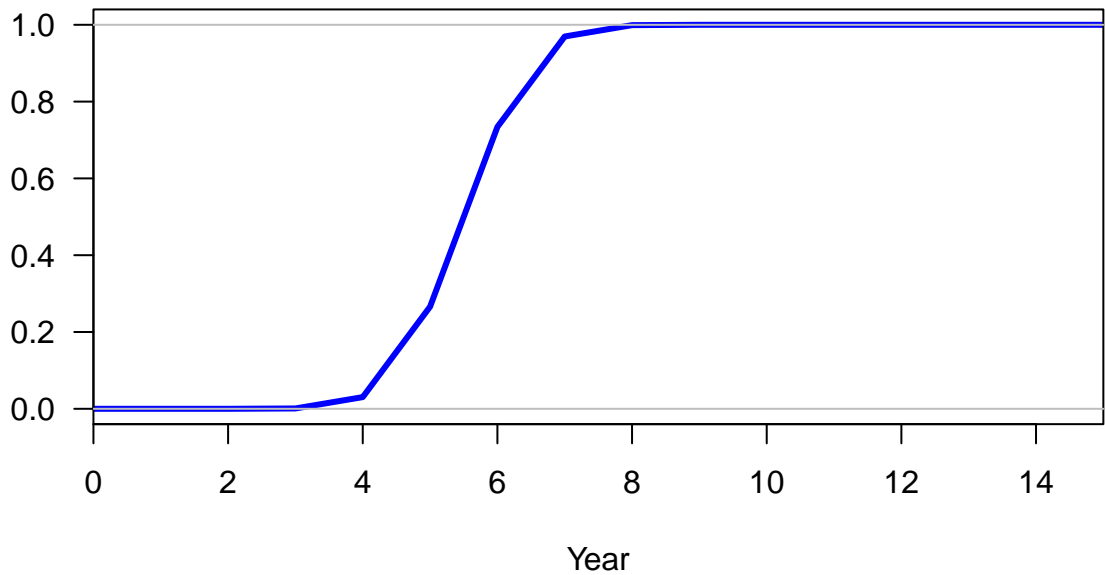




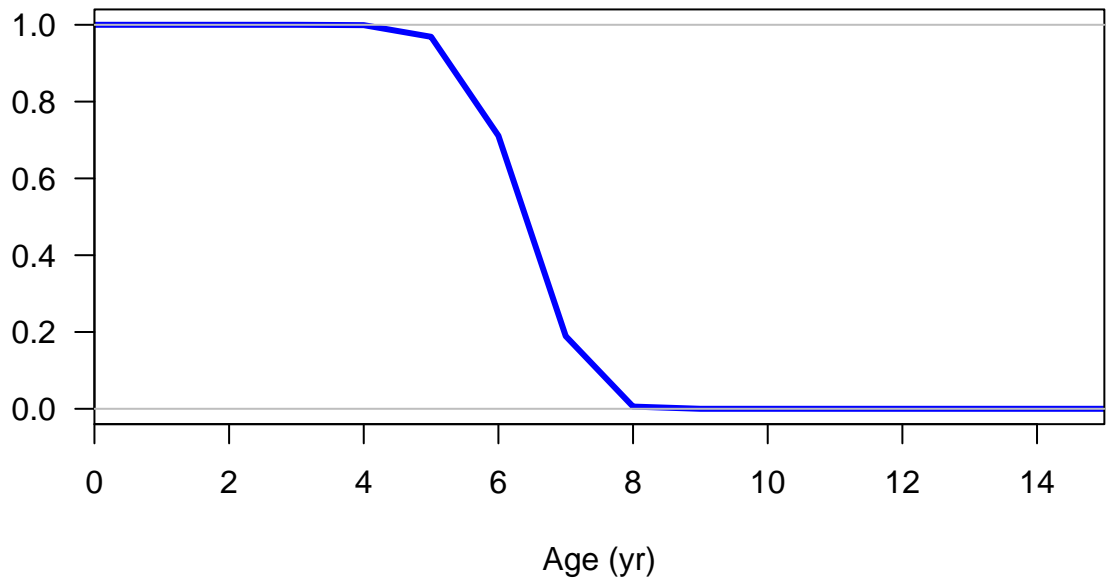




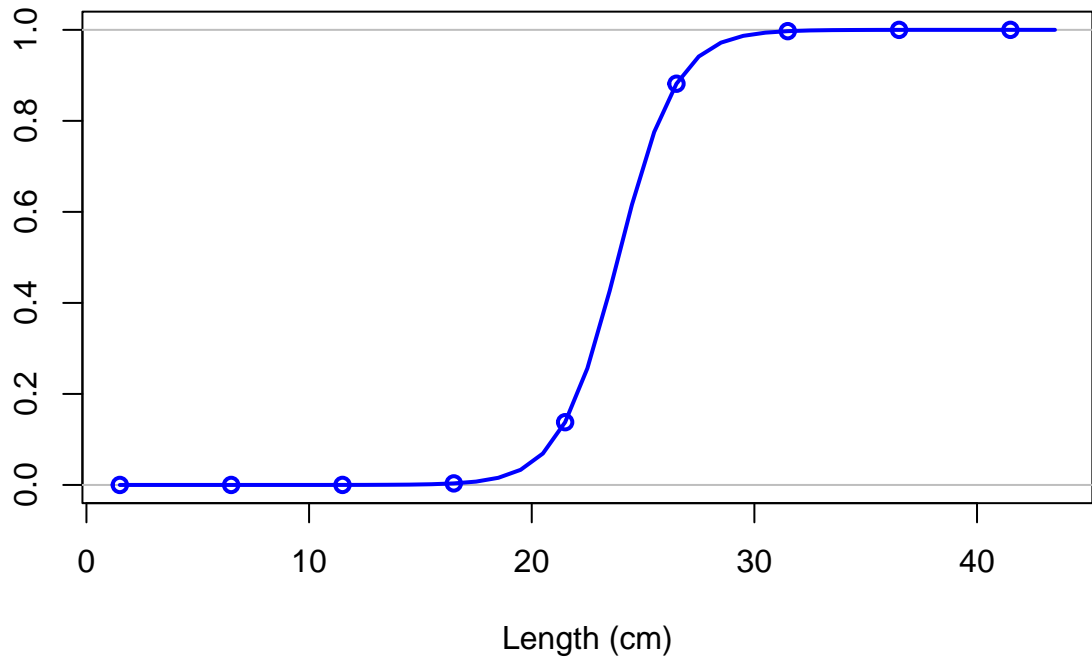
Hermaphroditism transition rate



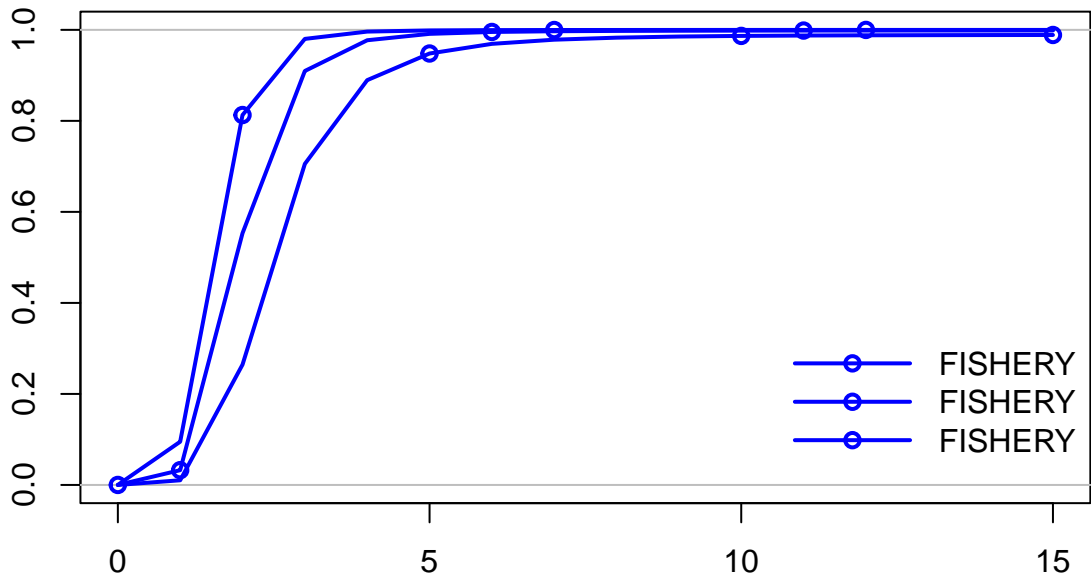
Fraction females by age at equilibrium



Selectivity

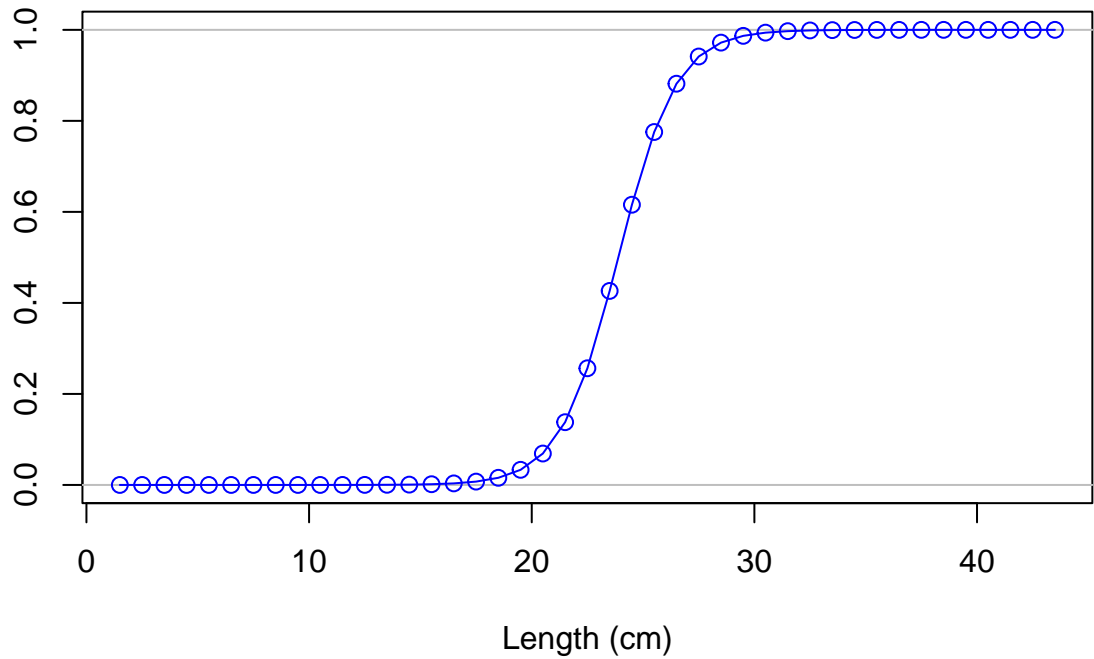


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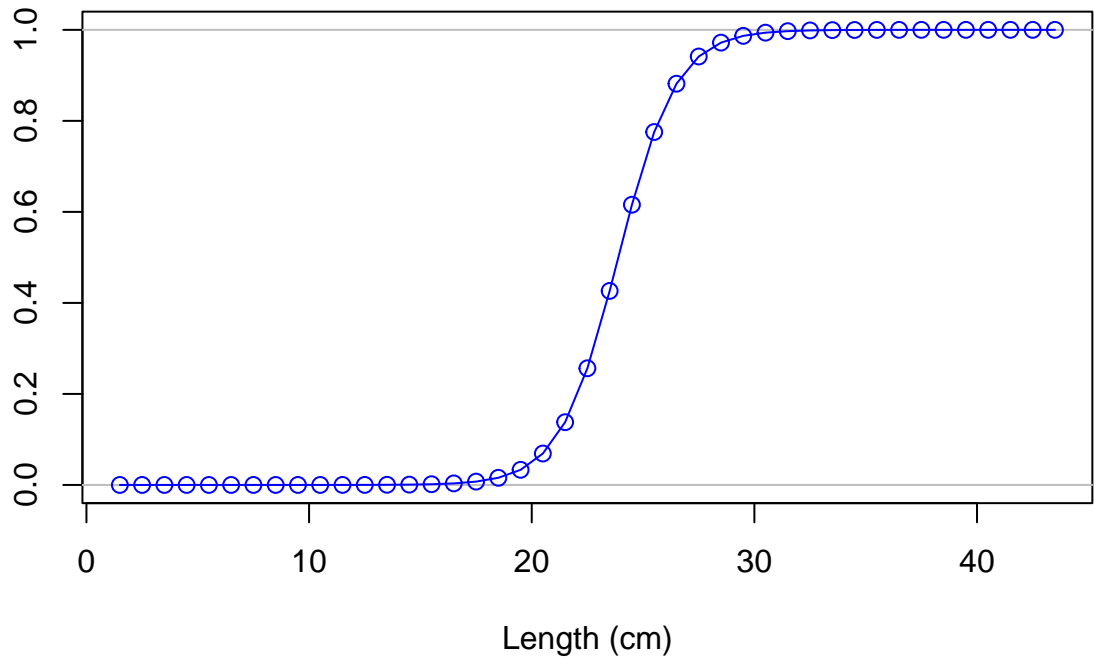


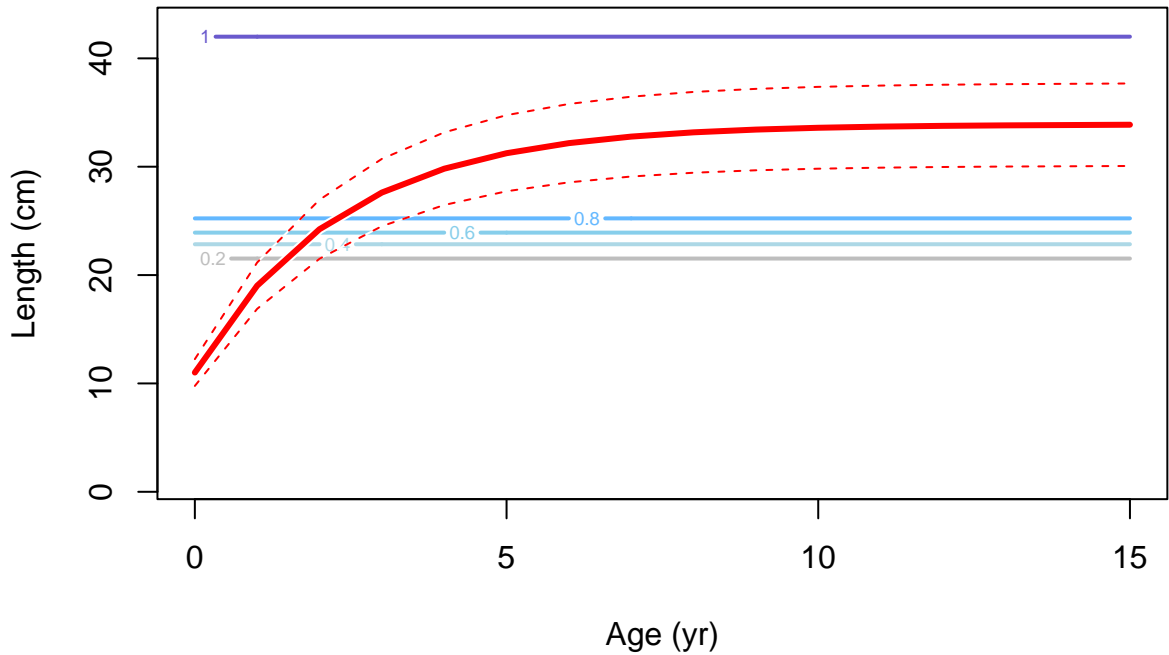
Age (yr)

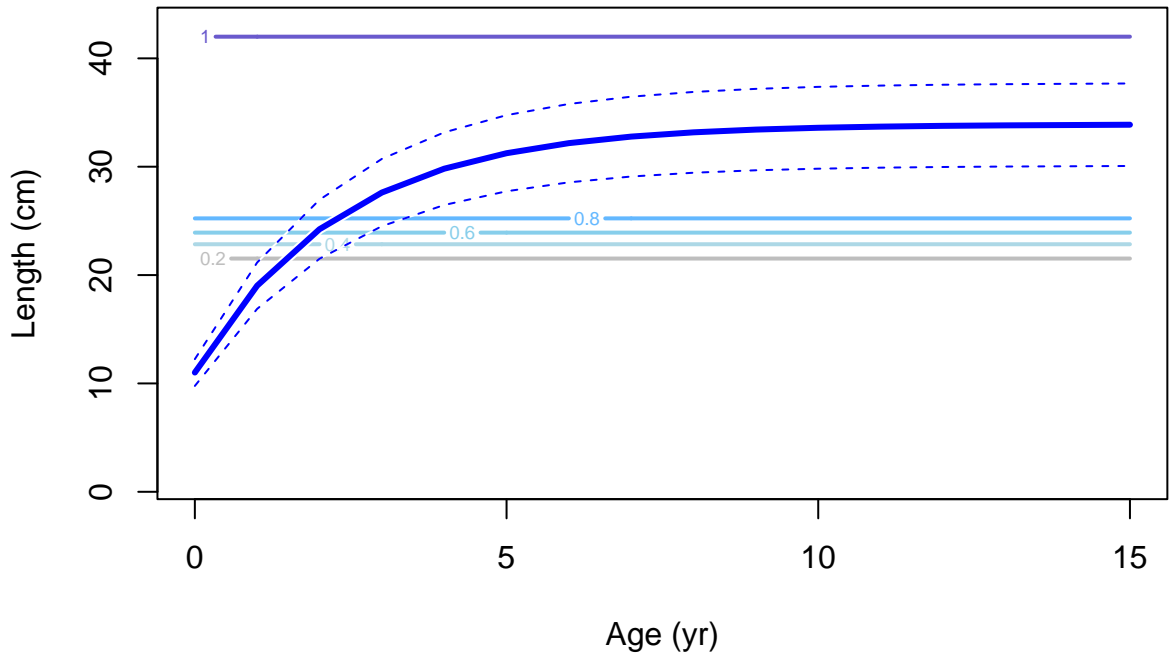
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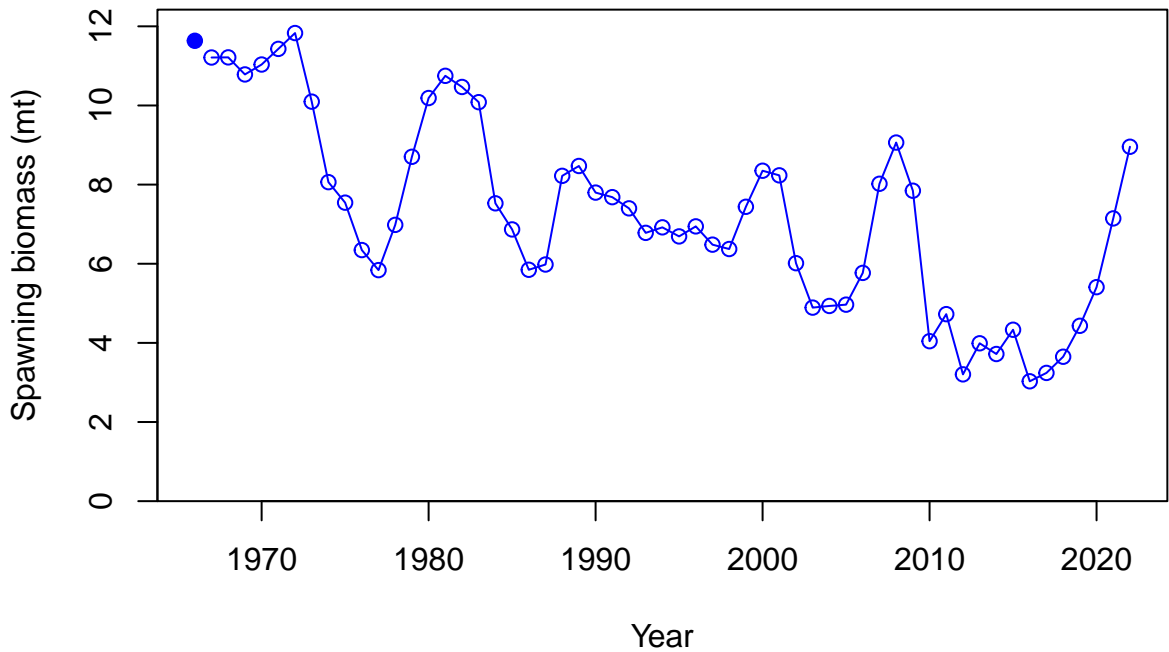


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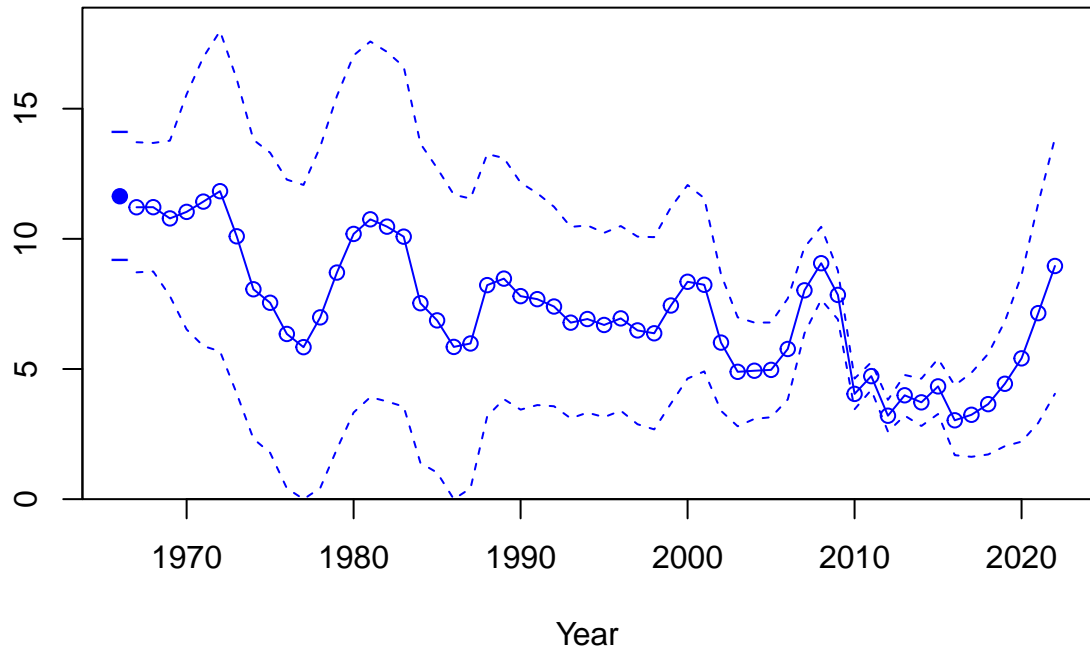




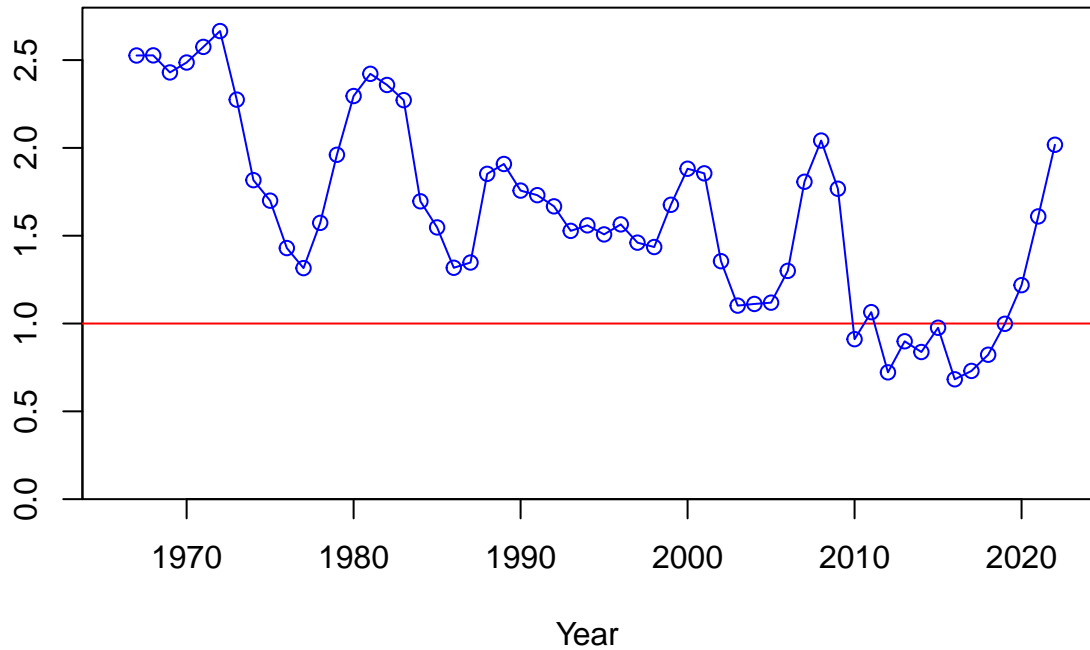




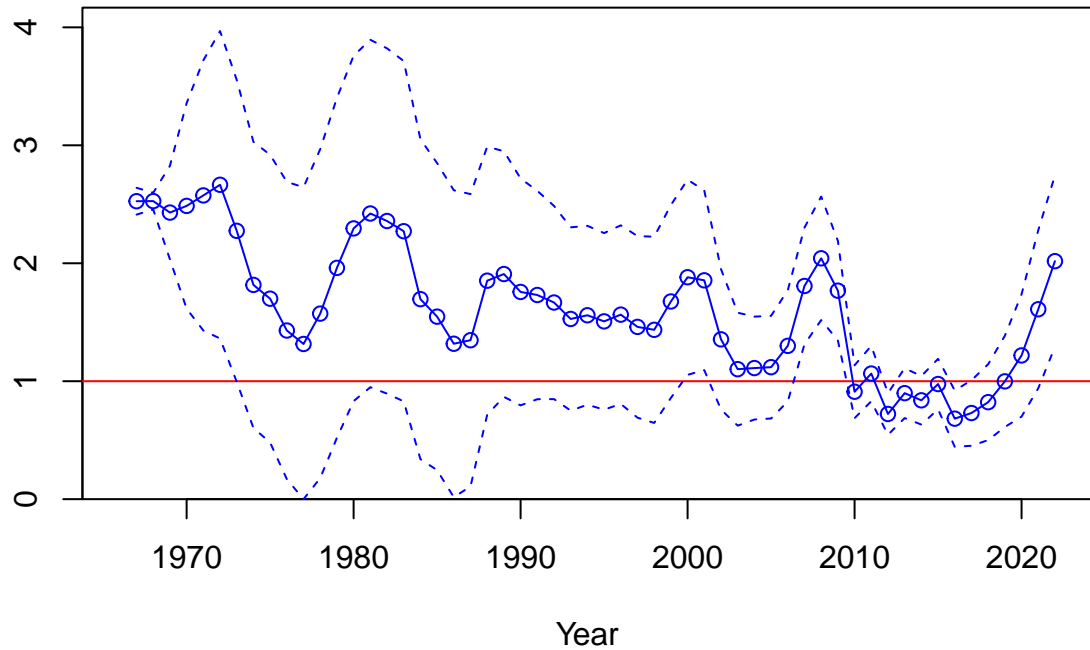
Spawning biomass (mt)

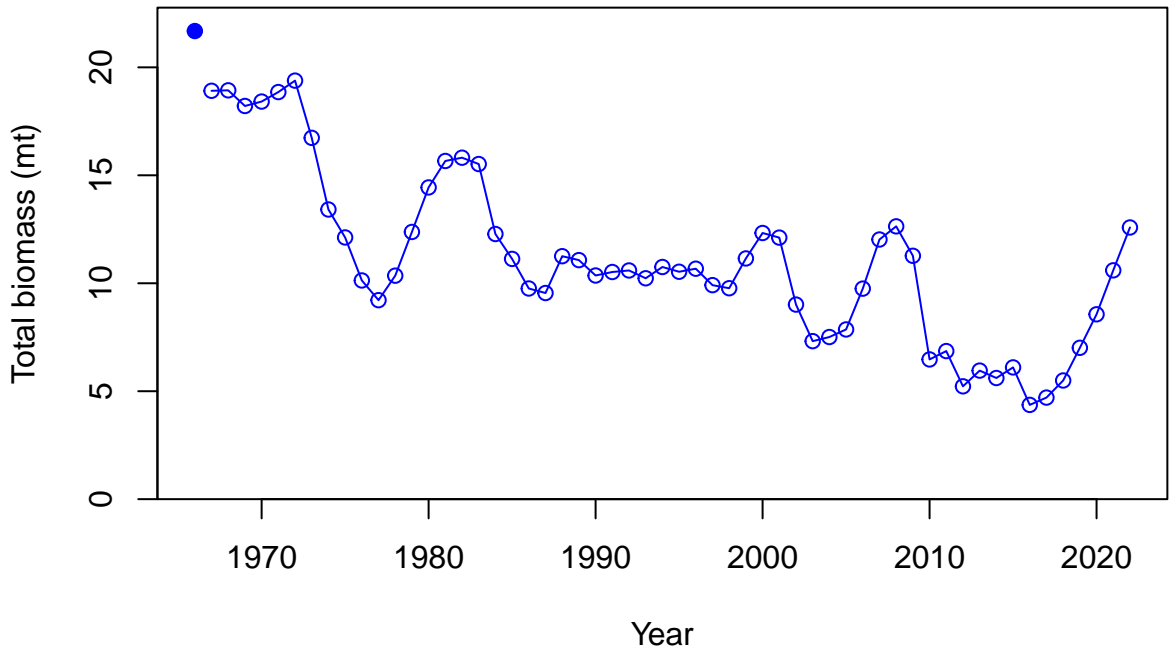


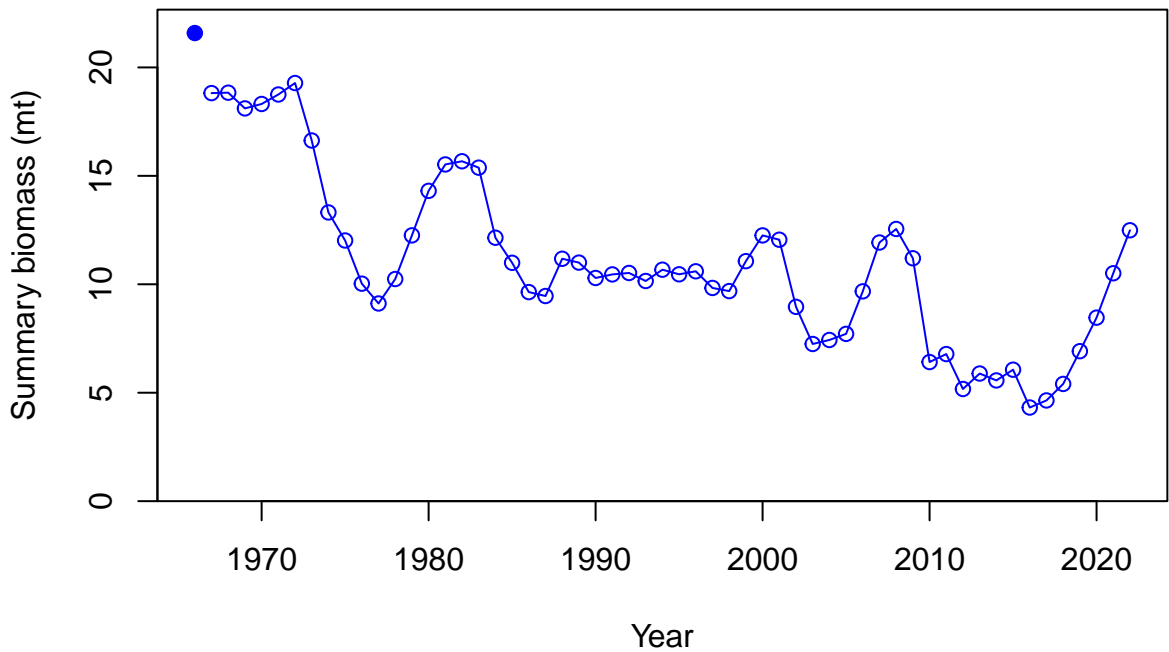
Relative spawning biomass: B/B_{MSY}



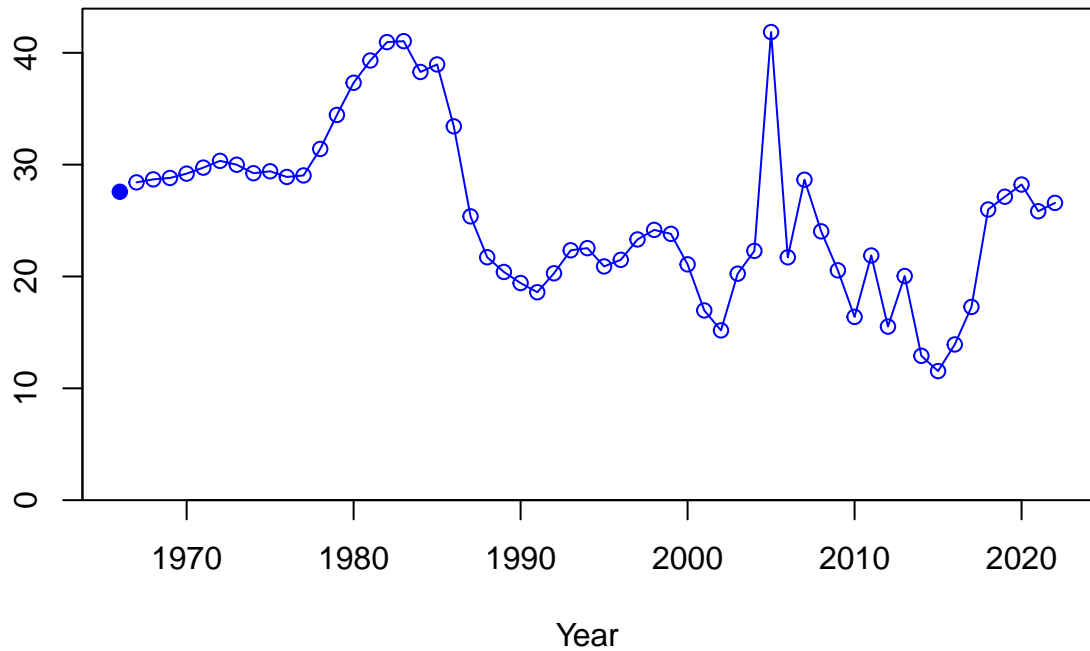
Relative spawning biomass: B/B_{MSY}



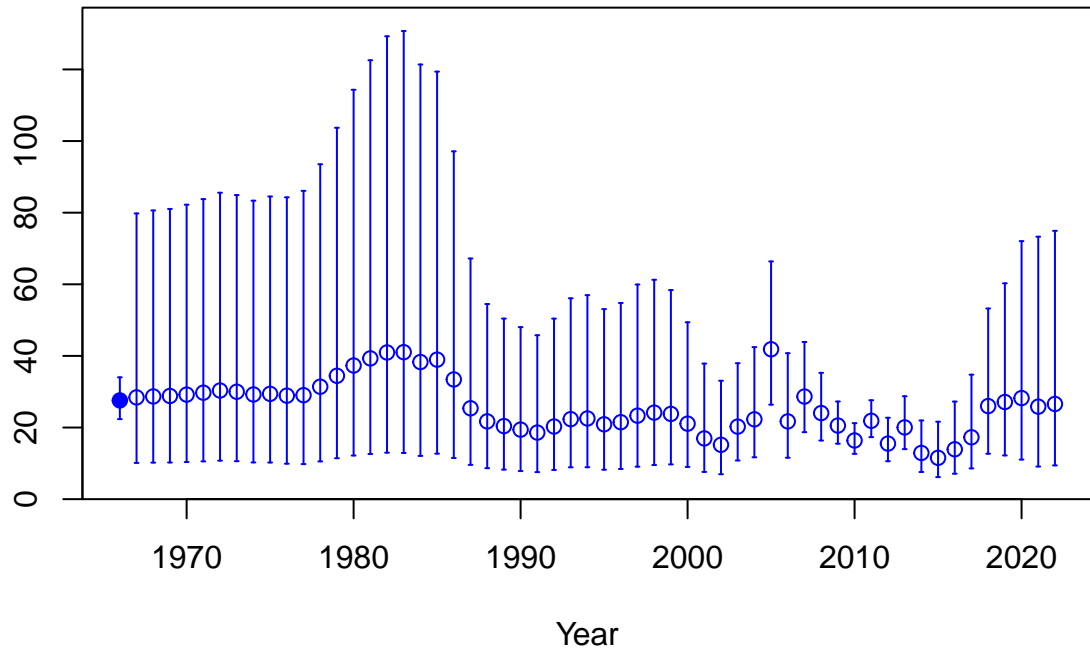




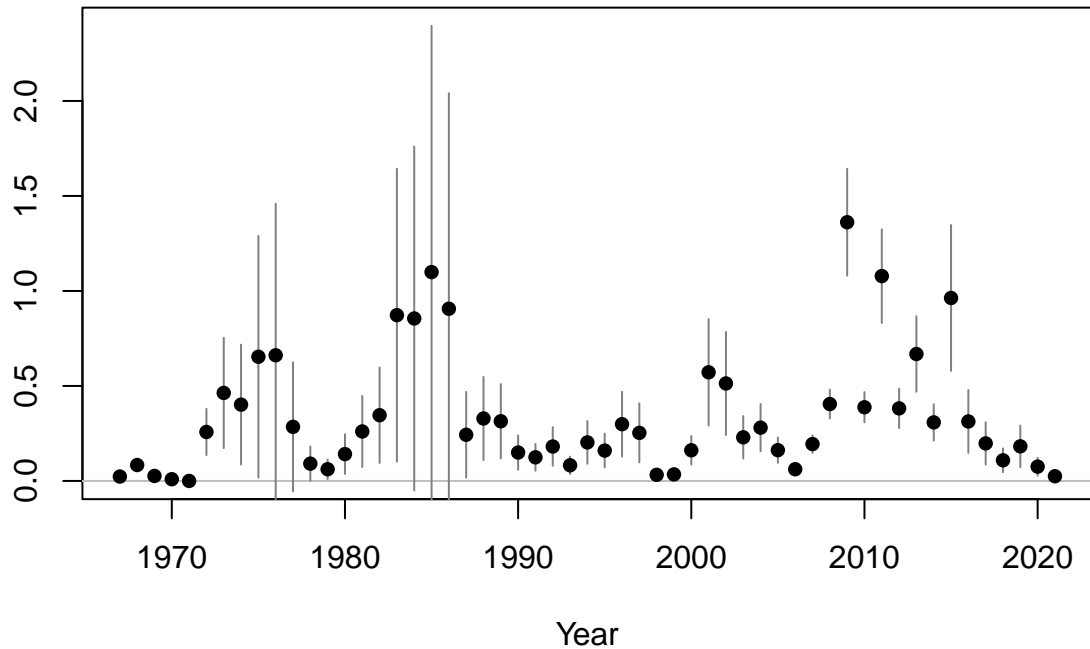
Age-0 recruits (1,000s)

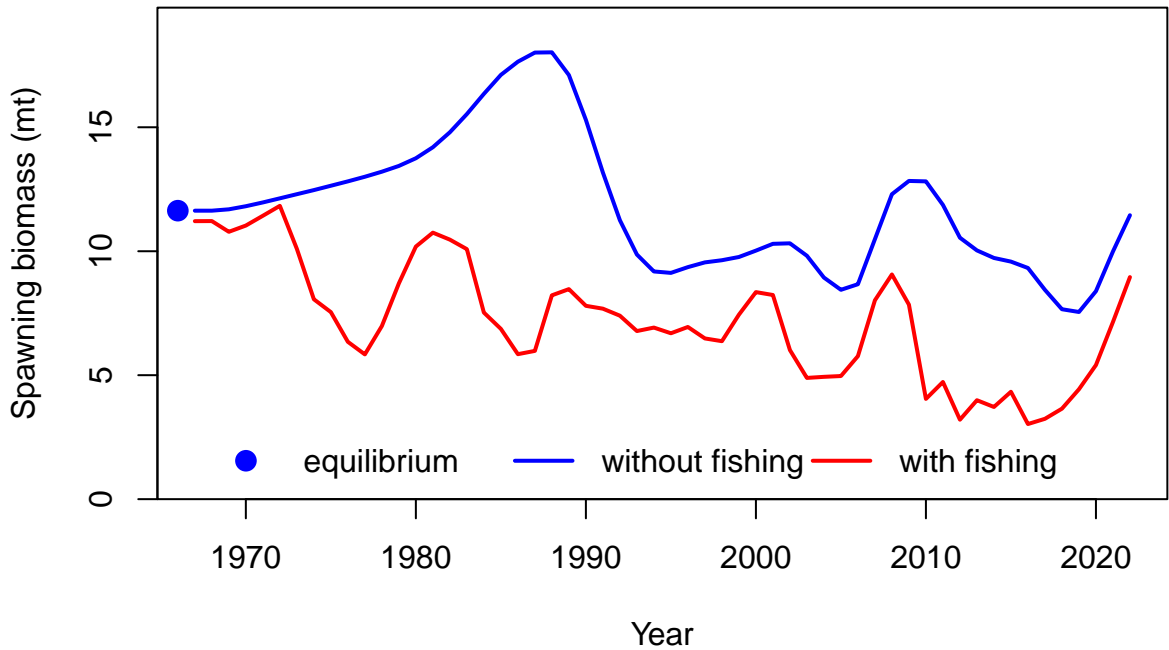


Age-0 recruits (1,000s)

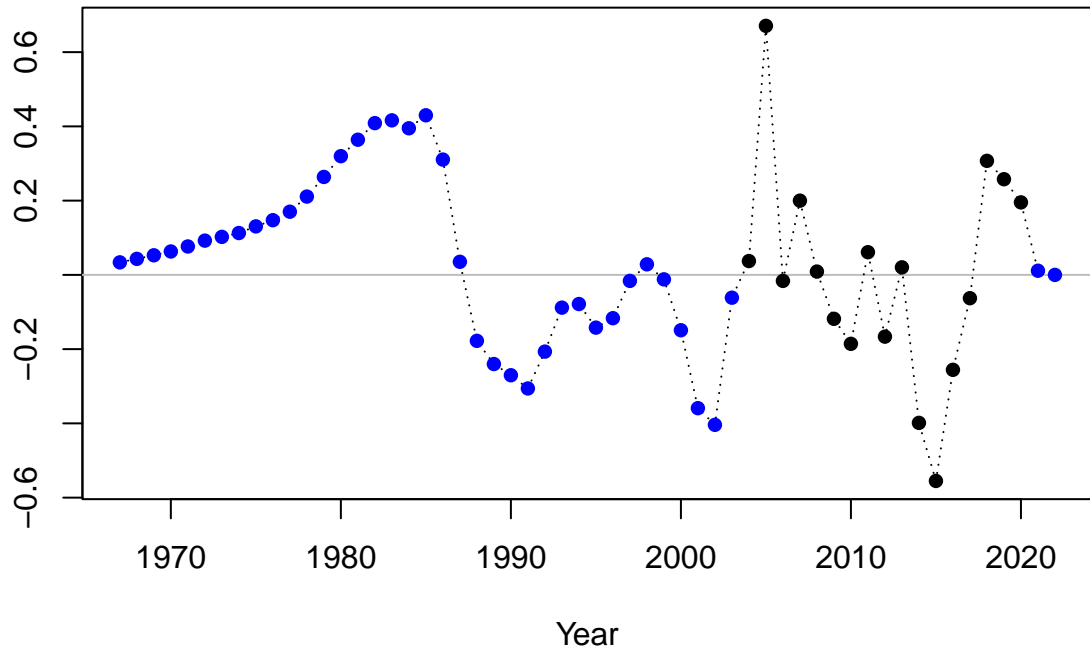


Summary Fishing Mortality

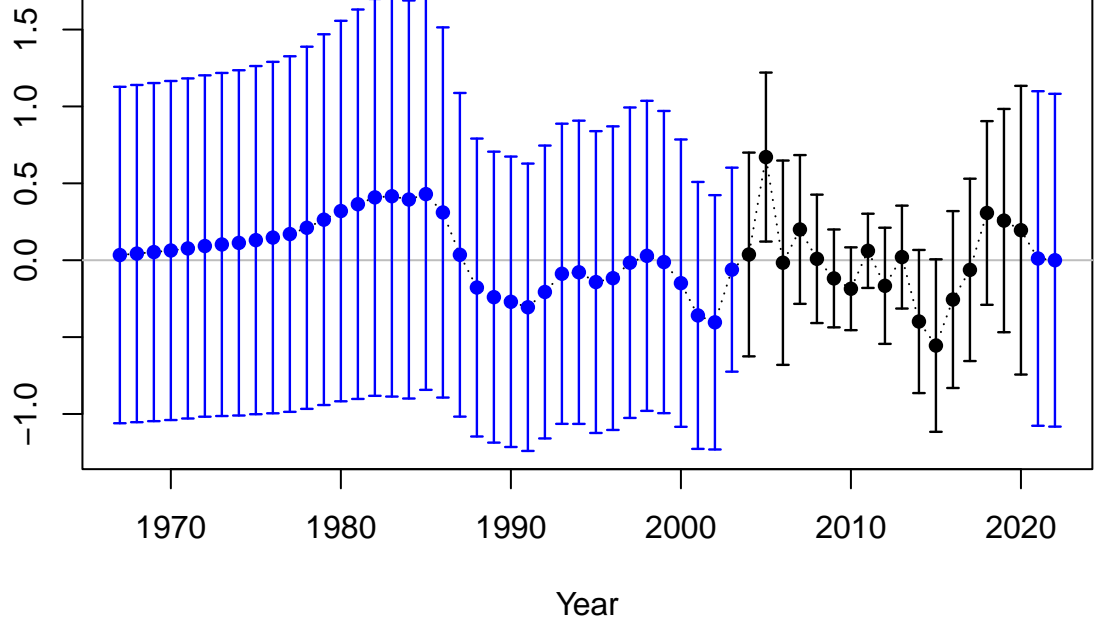




Log recruitment deviation

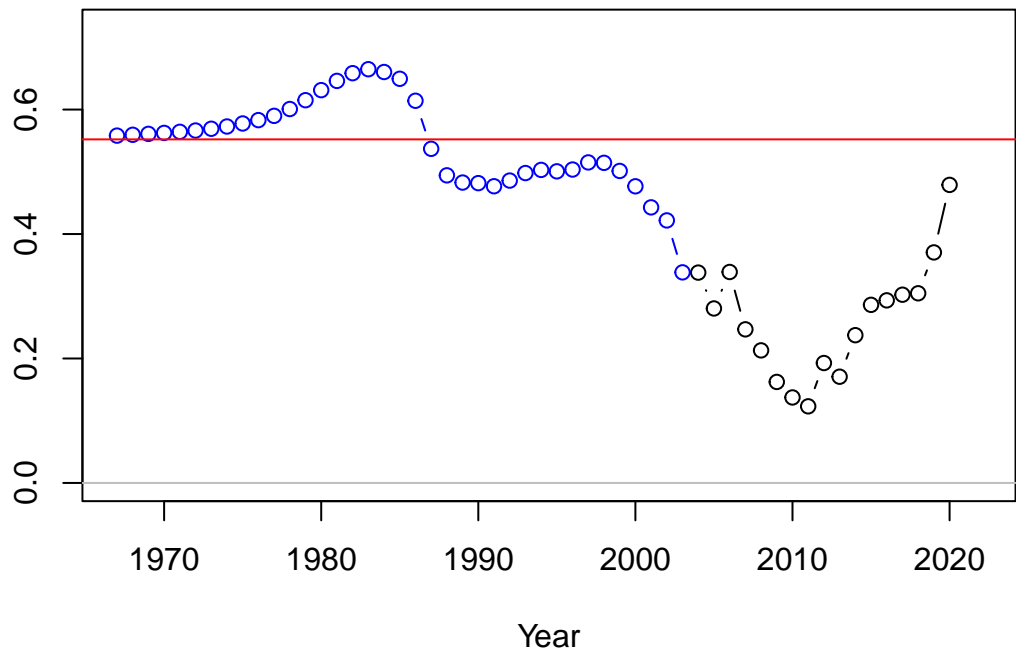


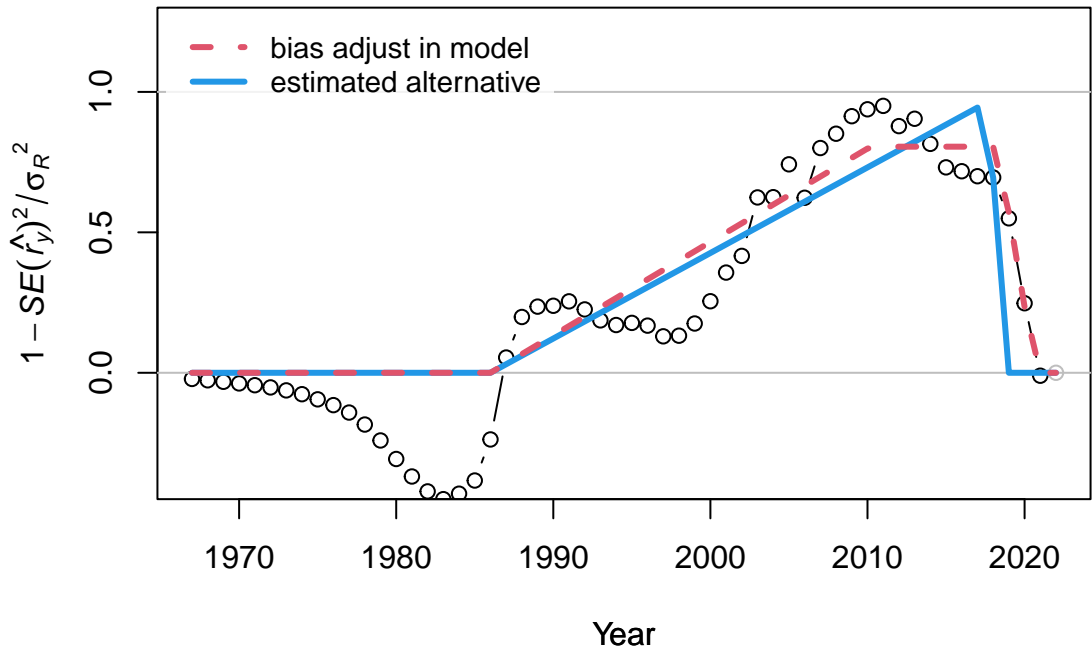
Log recruitment deviation

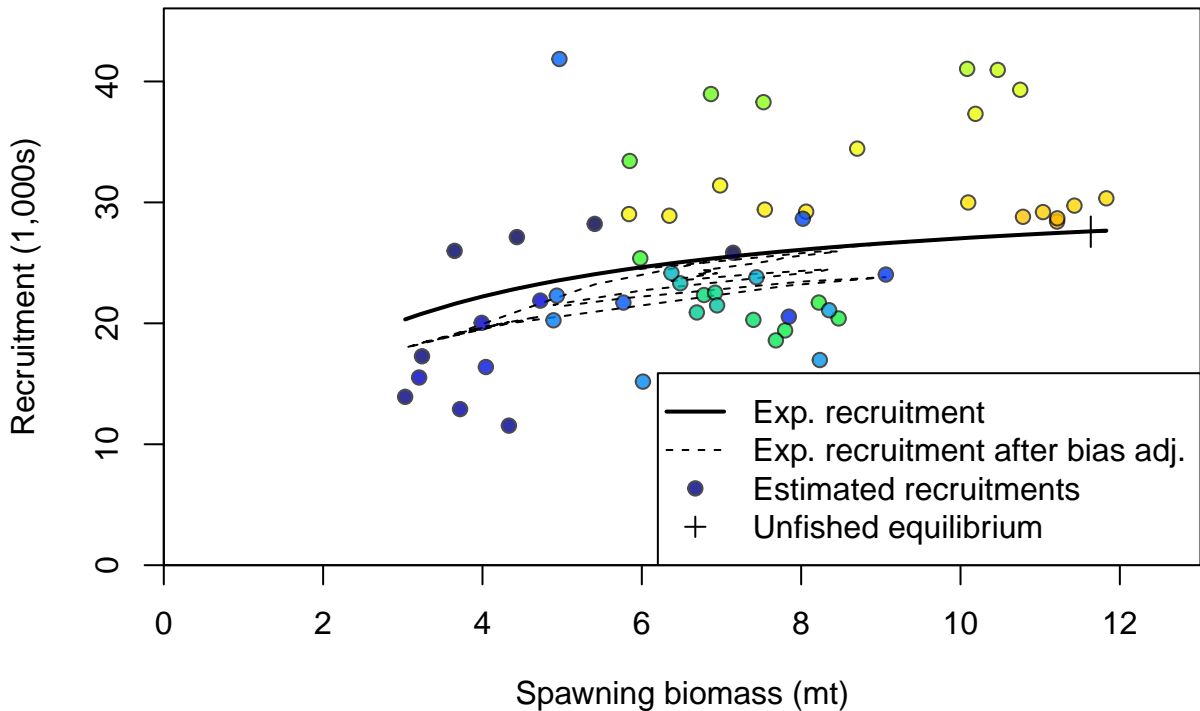


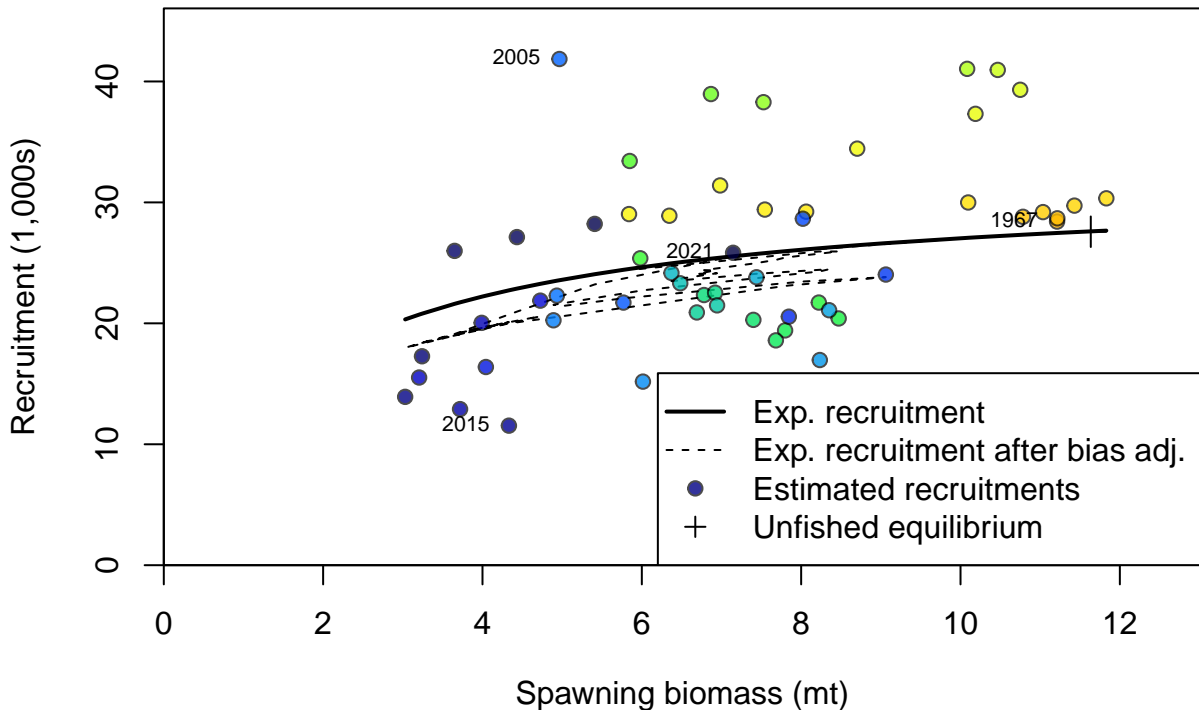
Recruitment deviation variance

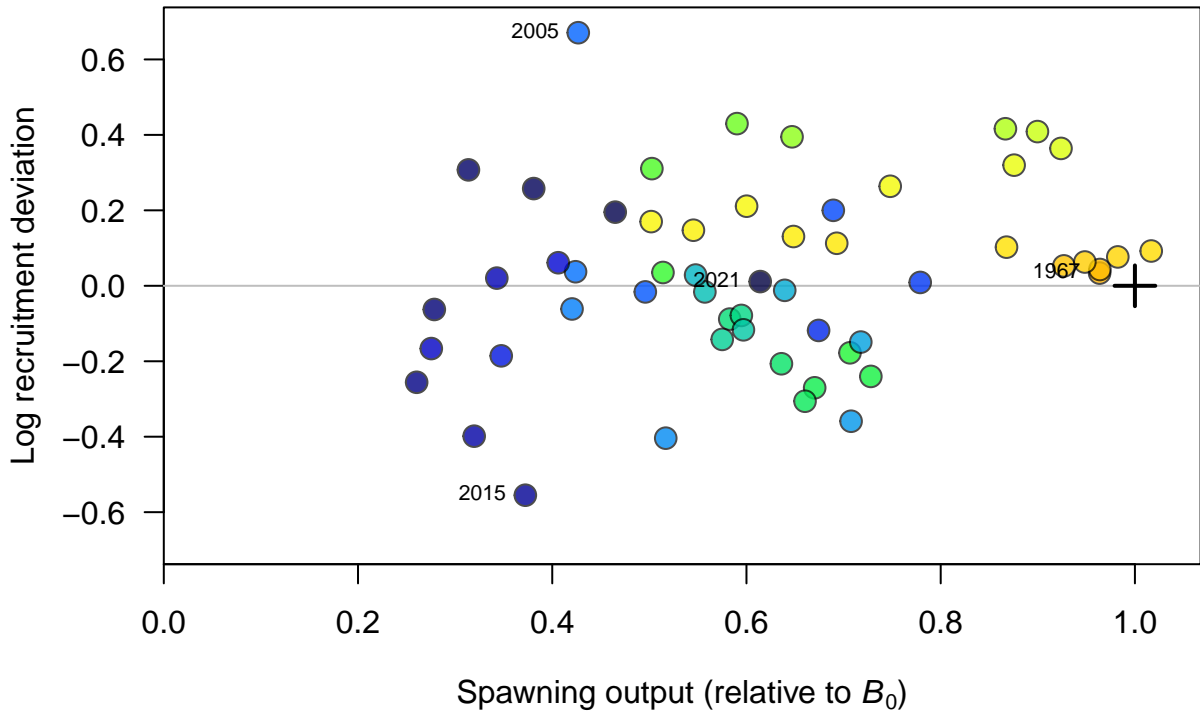
Asymptotic standard error estimate

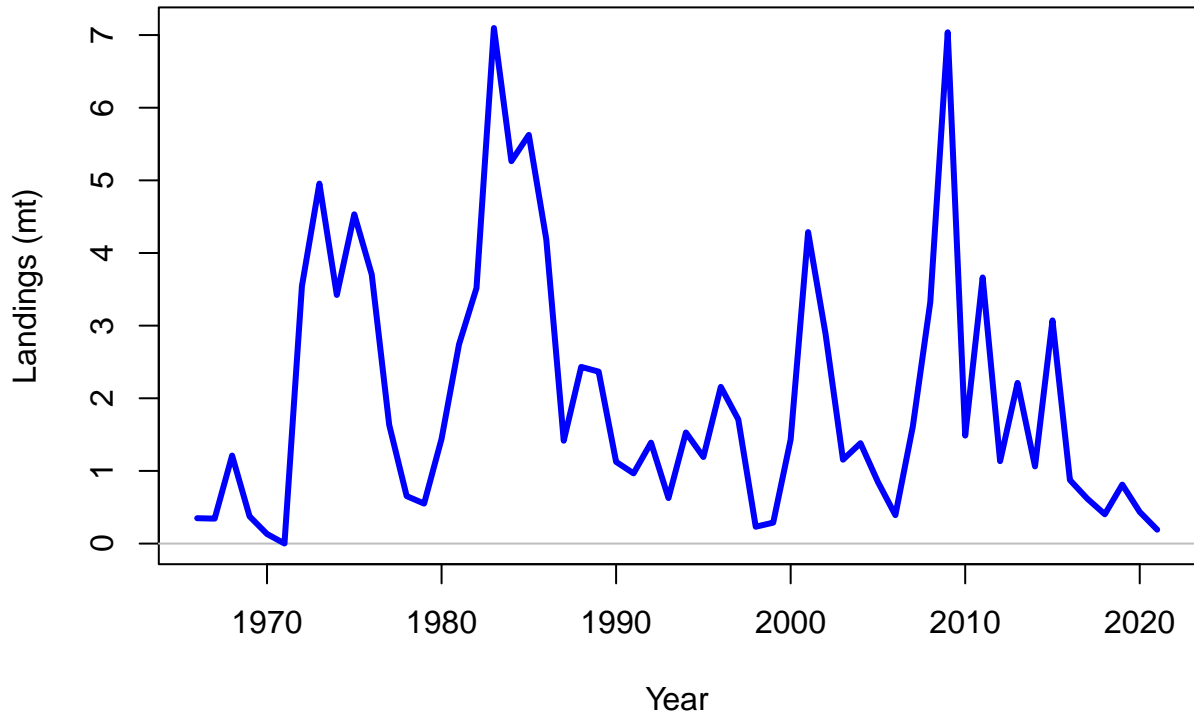


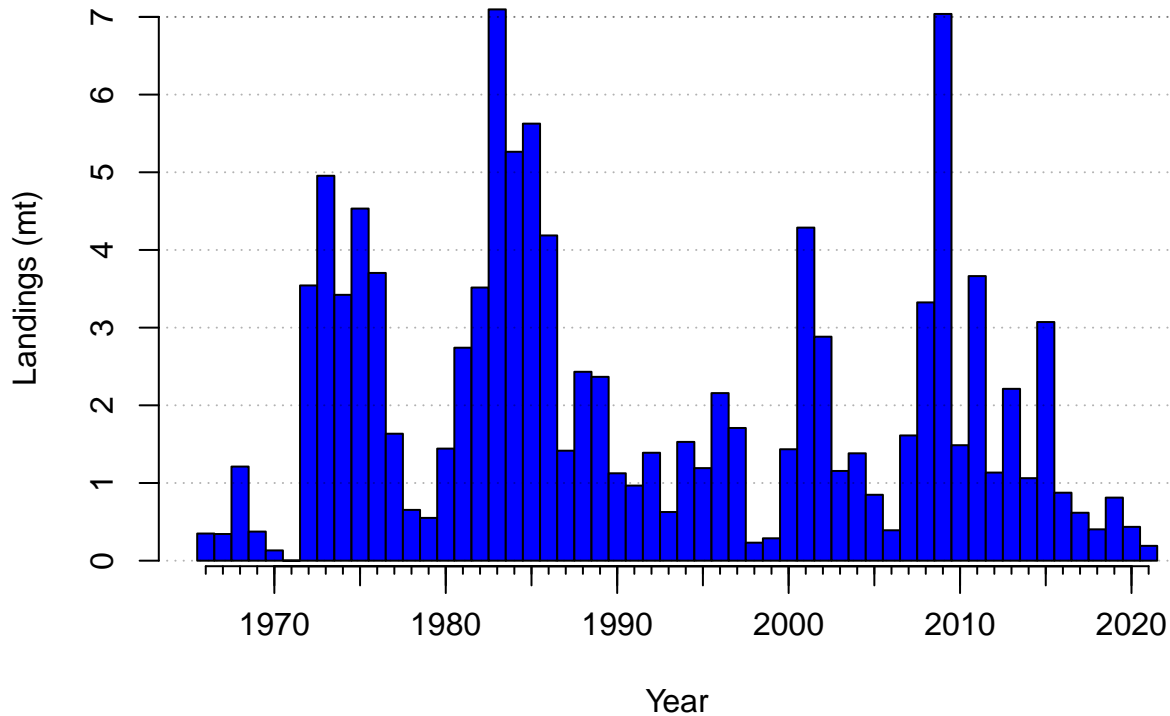




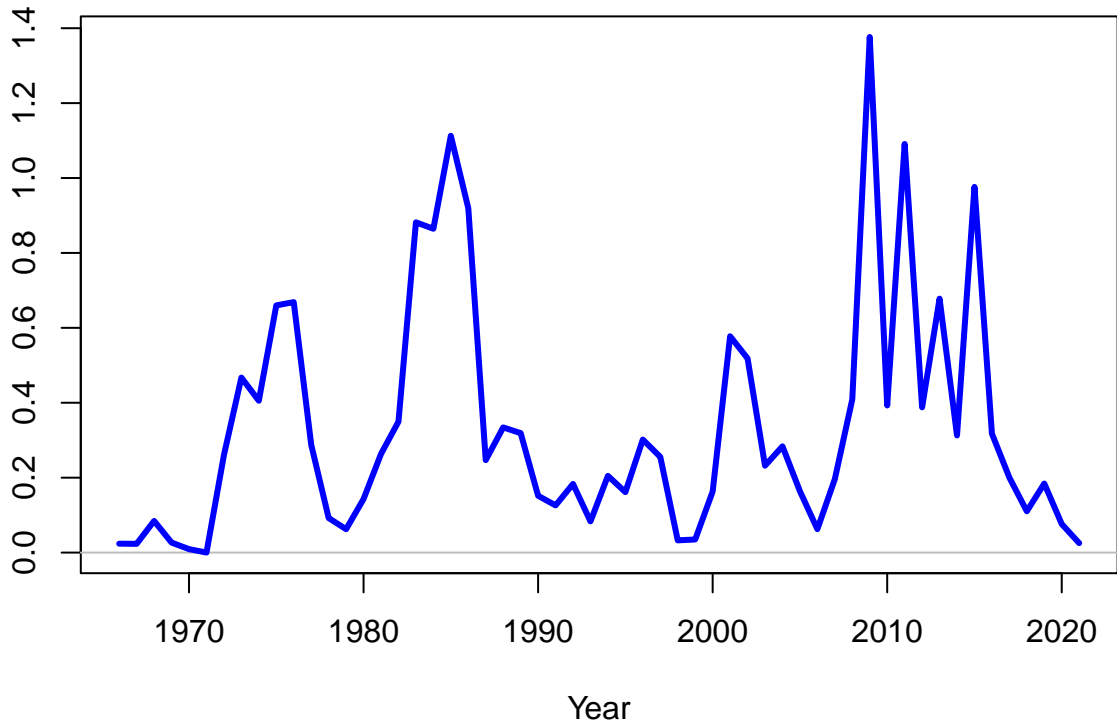




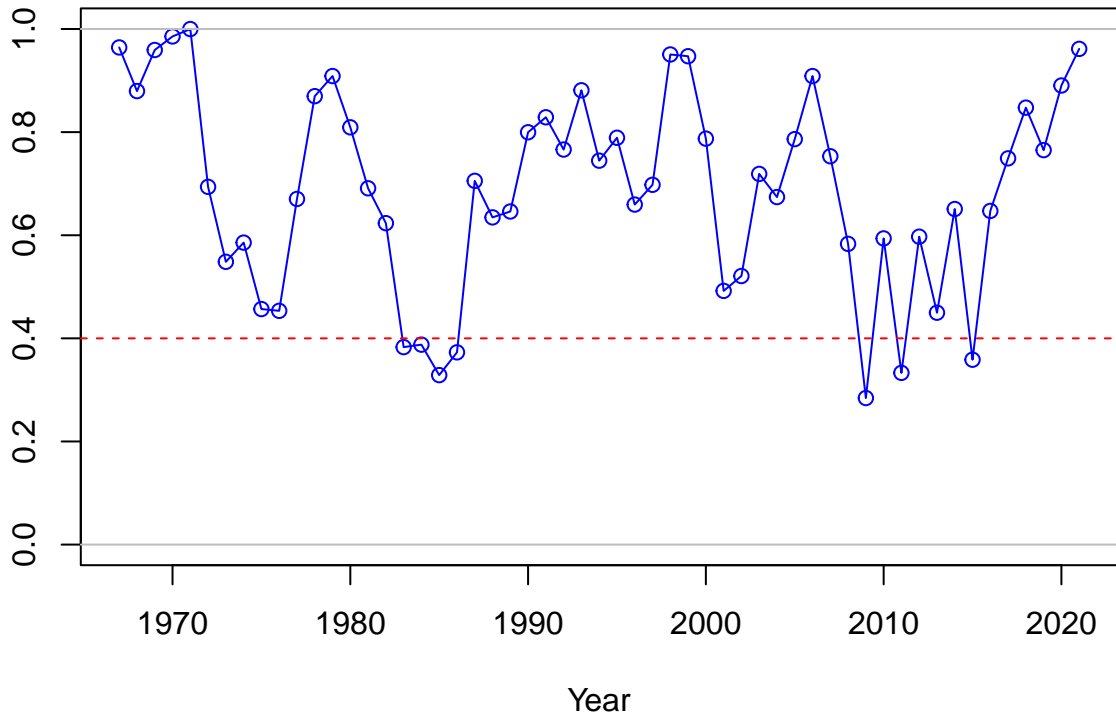




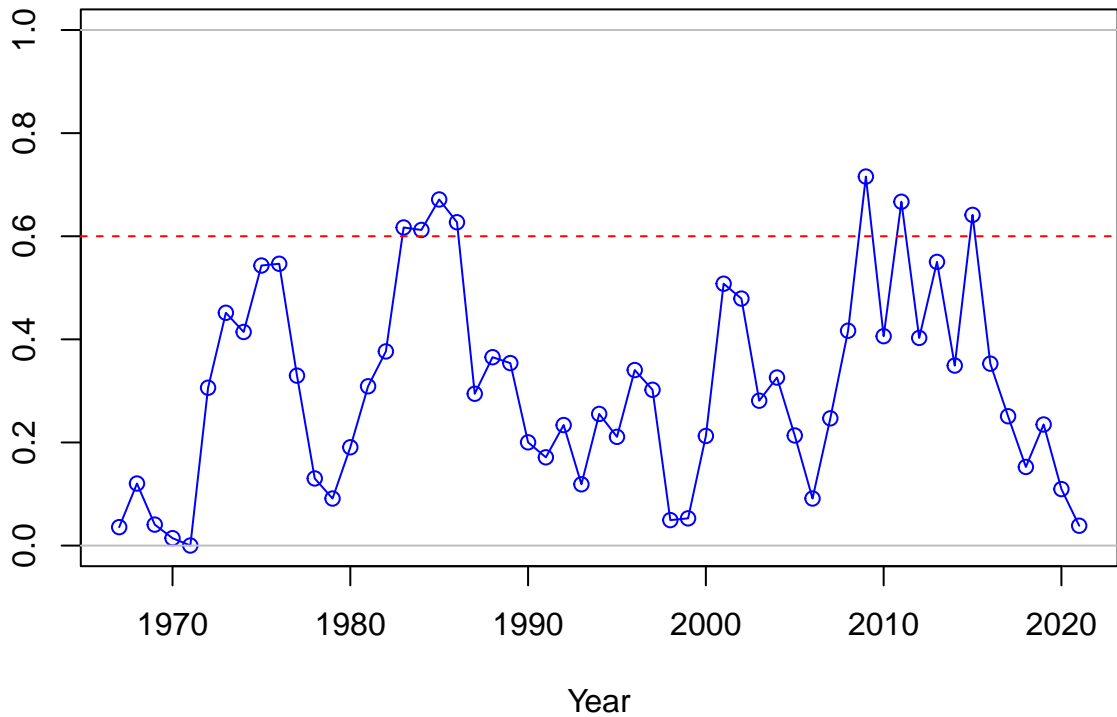
Continuous F



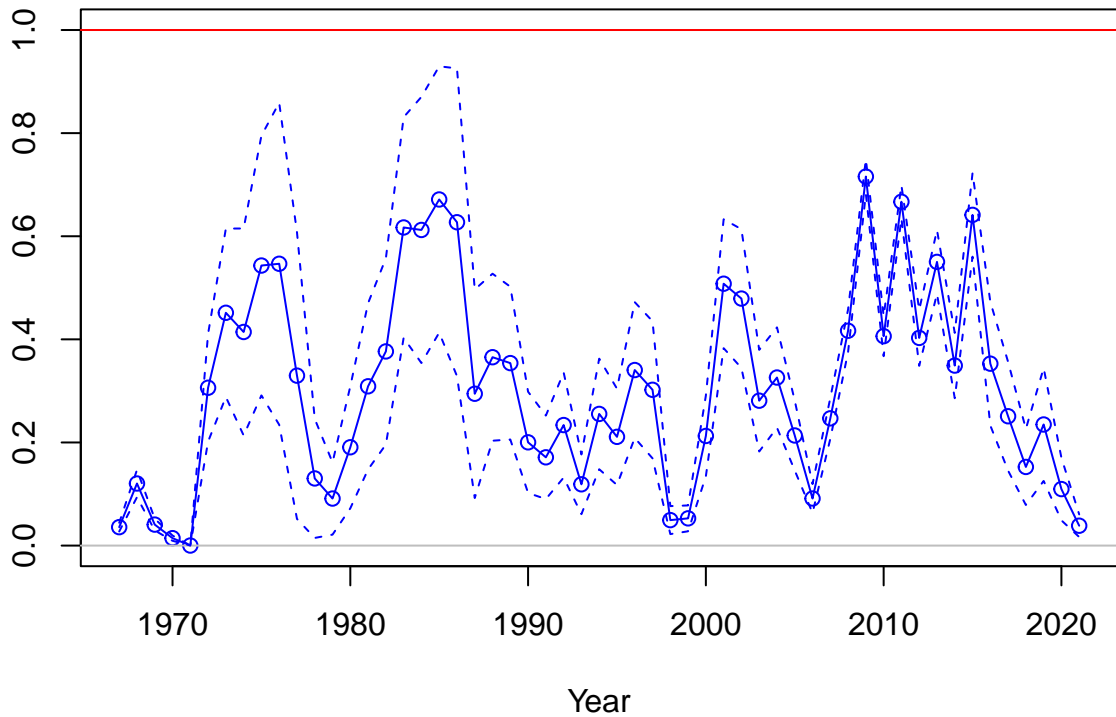
SPR



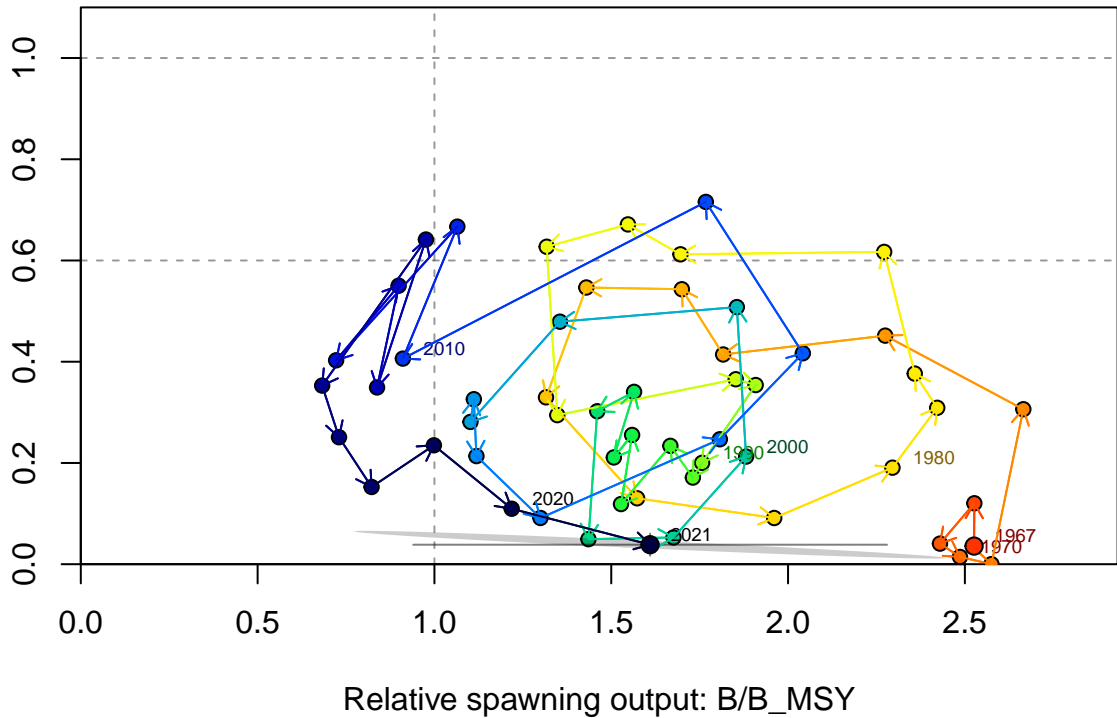
1-SPR



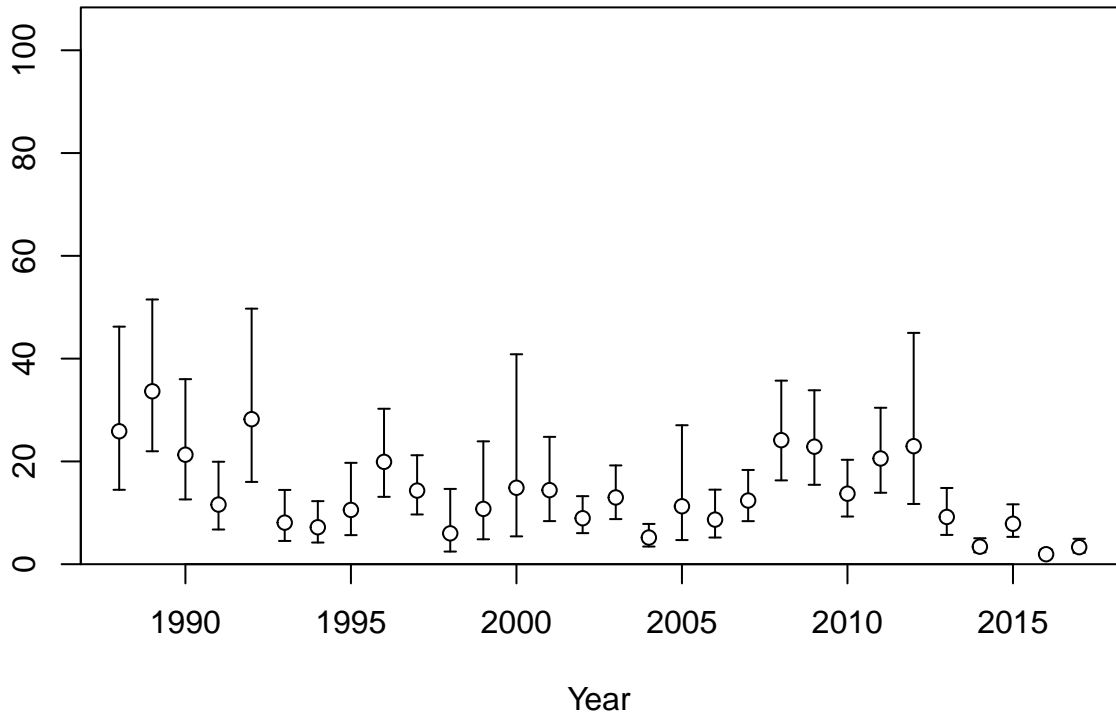
Fishing intensity: 1-SPR



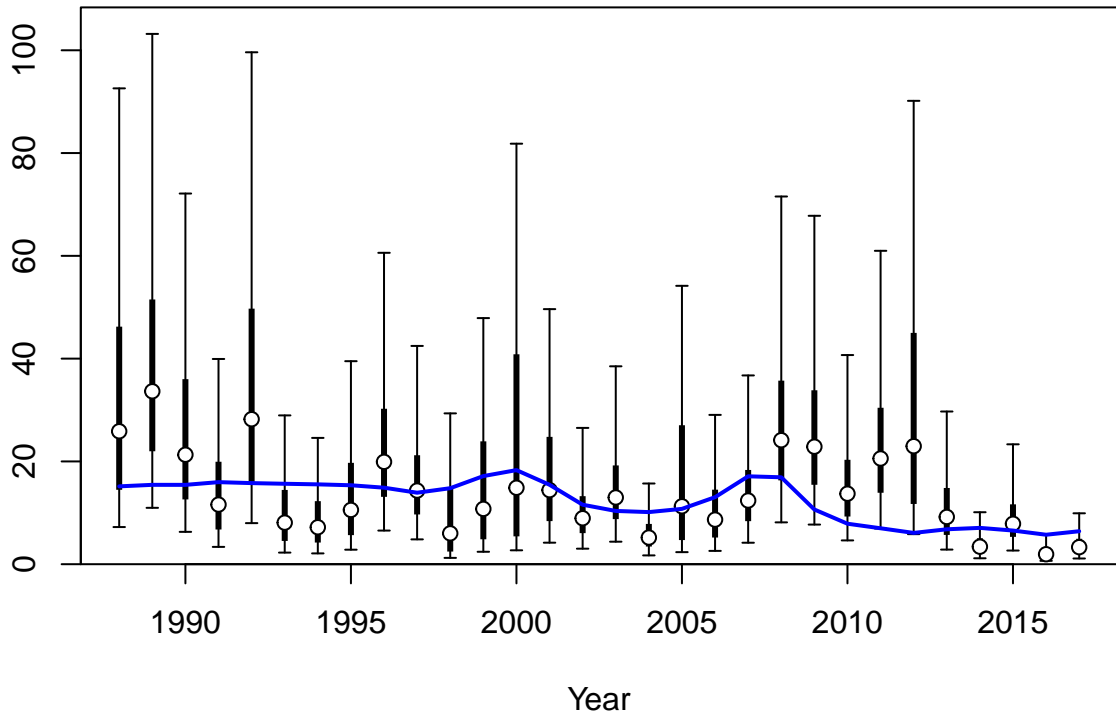
Fishing intensity: 1-SPR

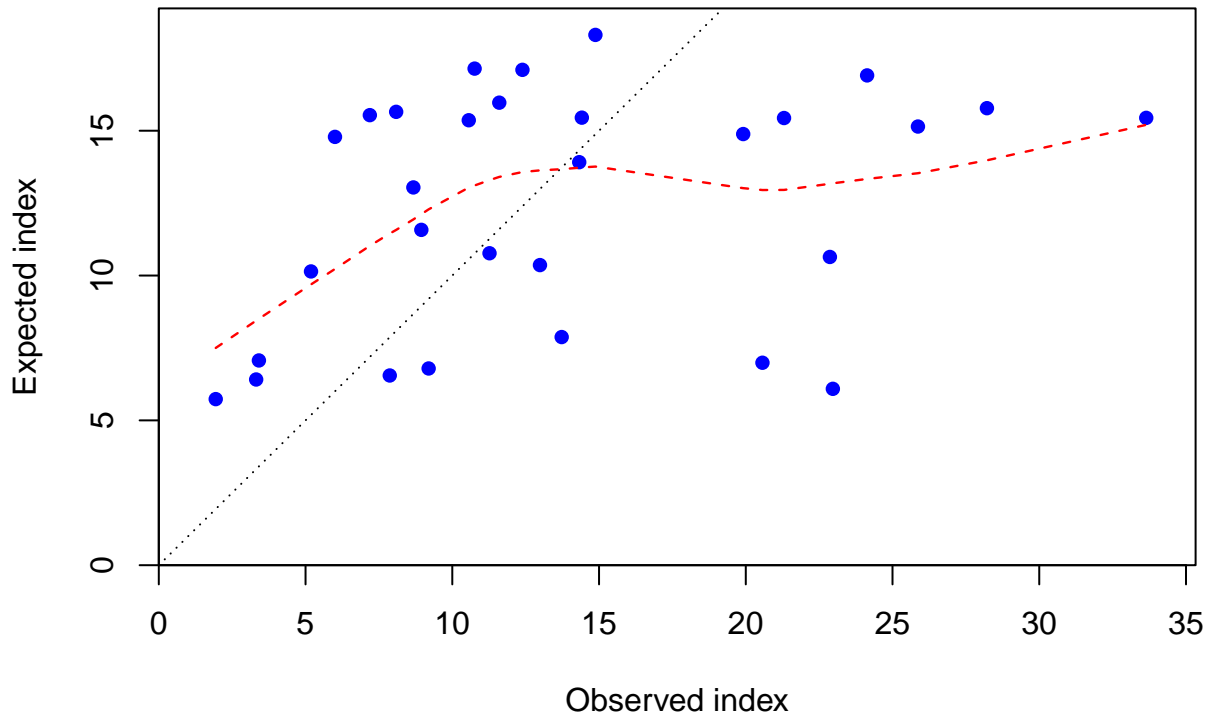


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Log index

4
3
2
1
0

1990

1995

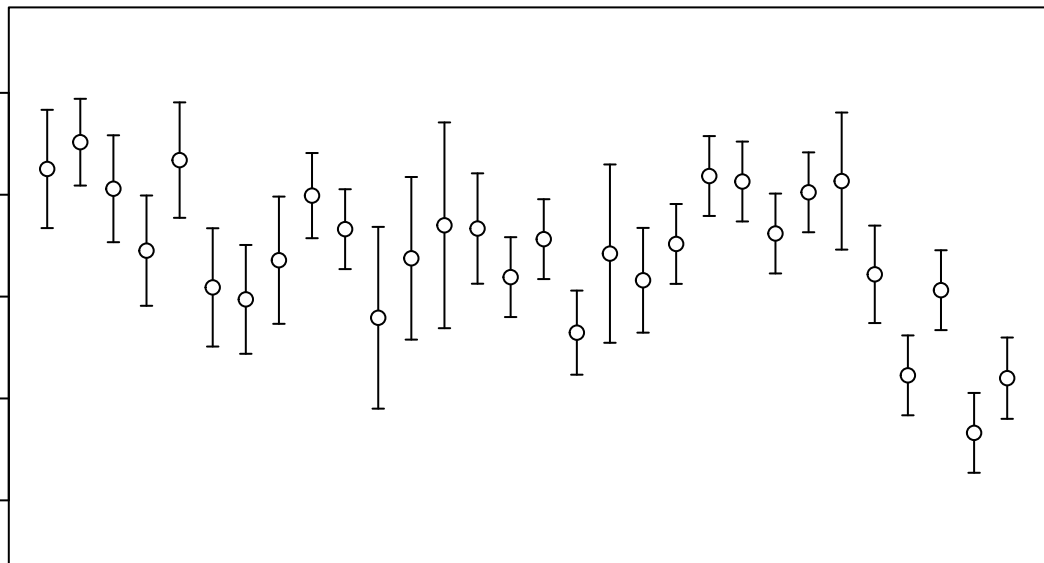
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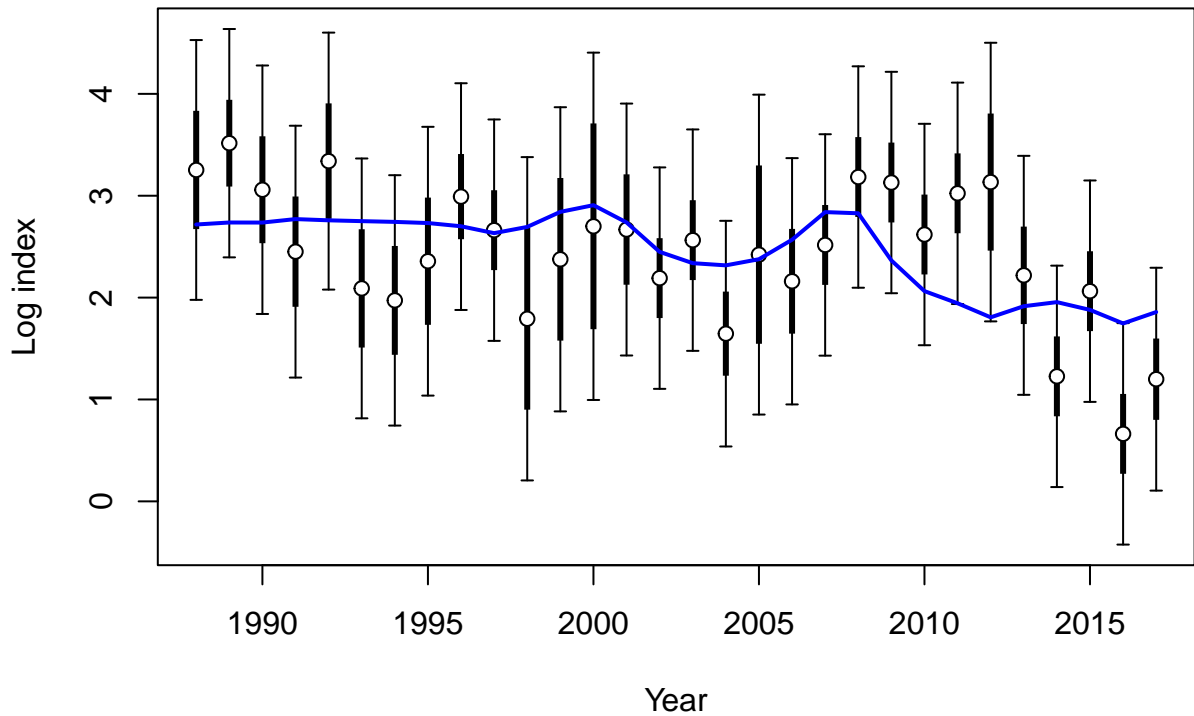
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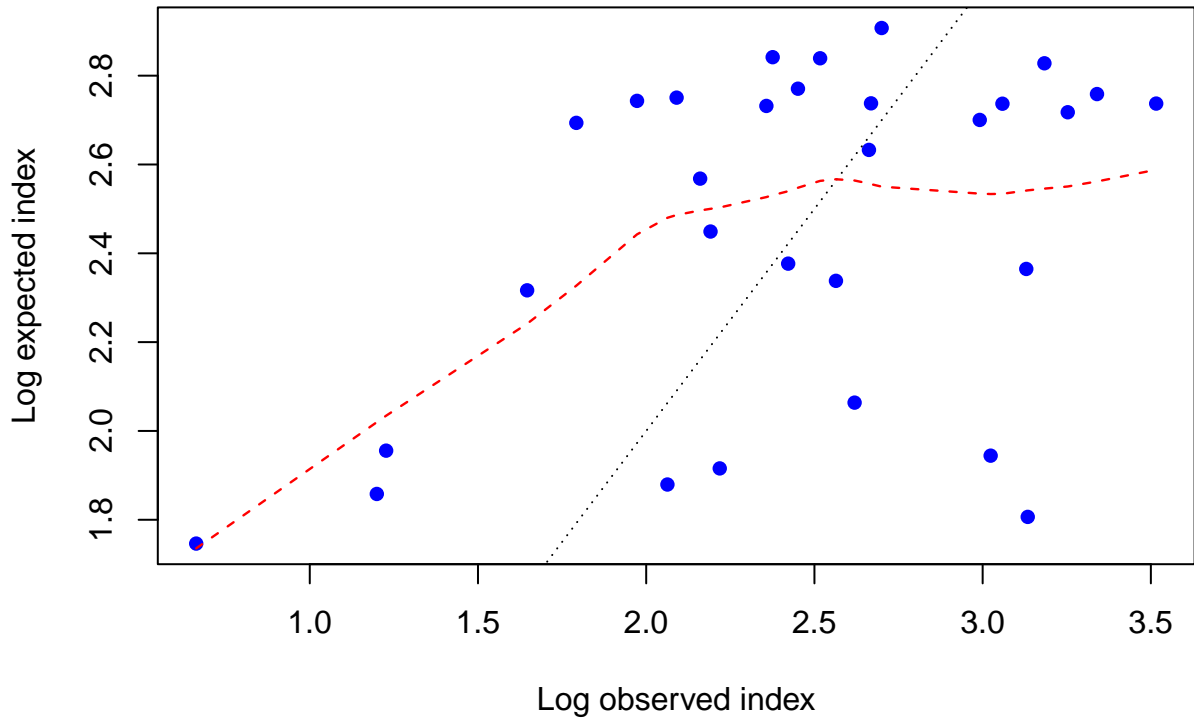
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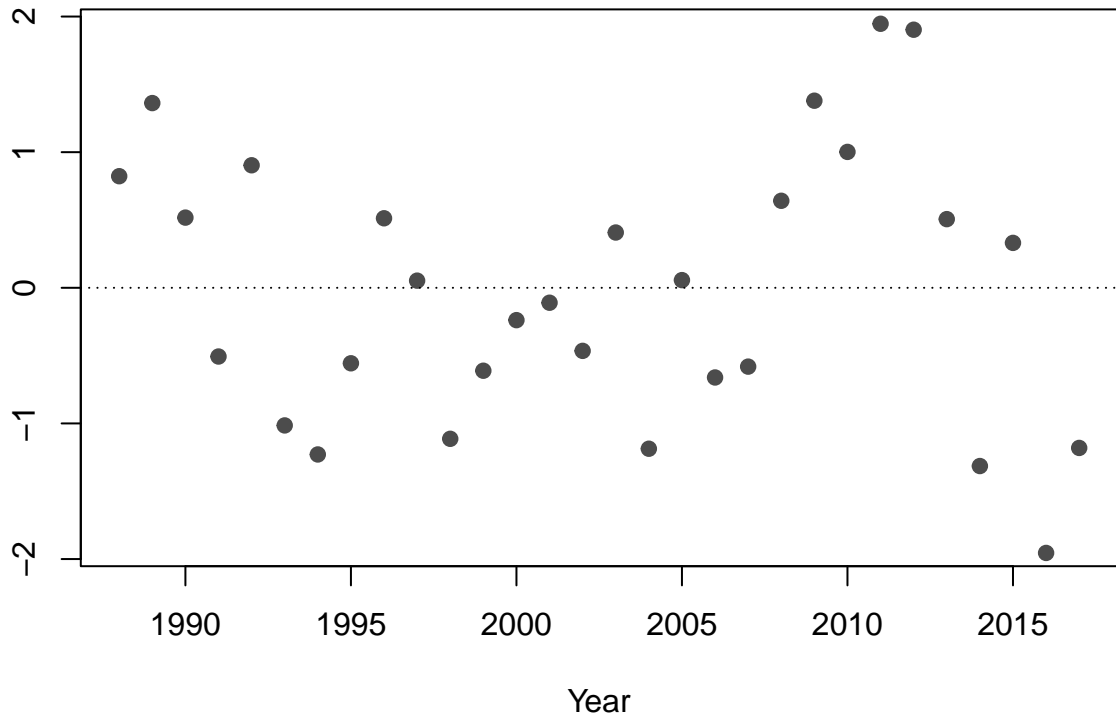
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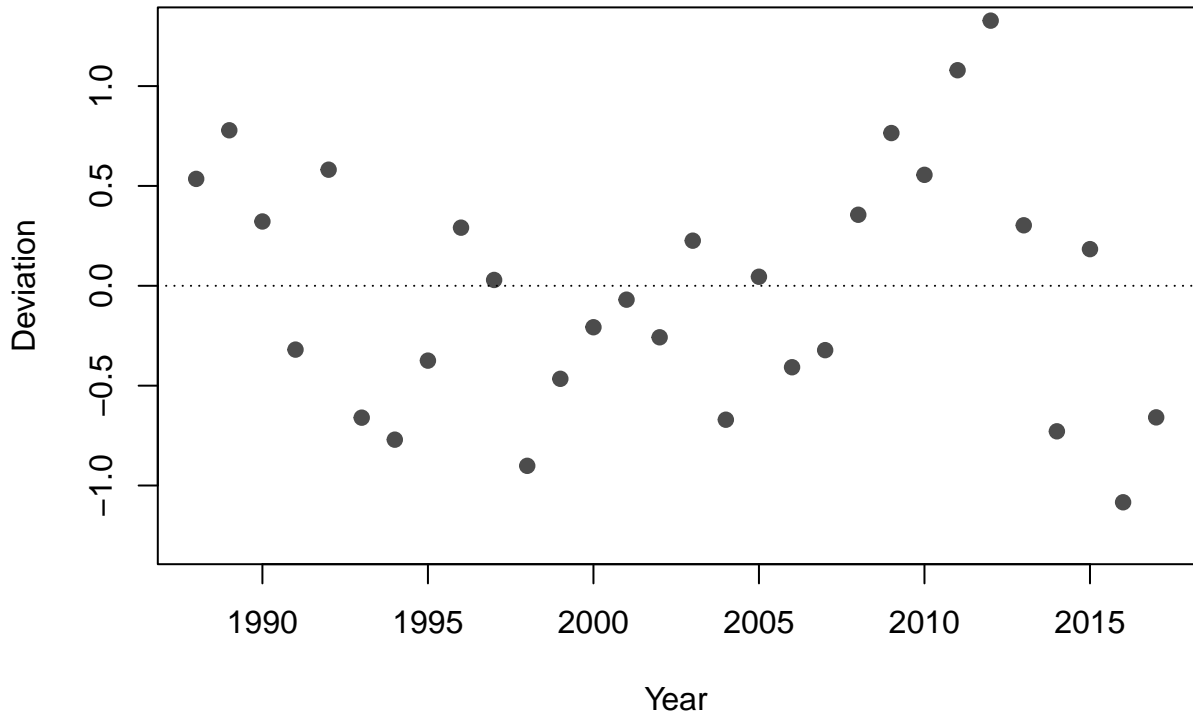




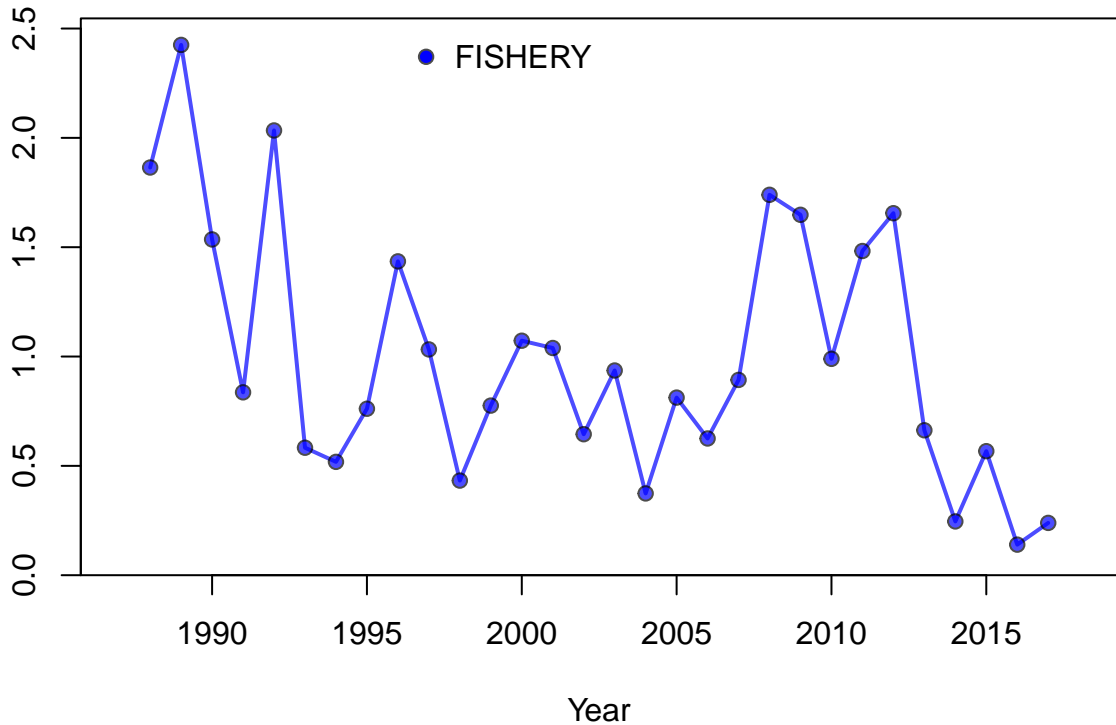


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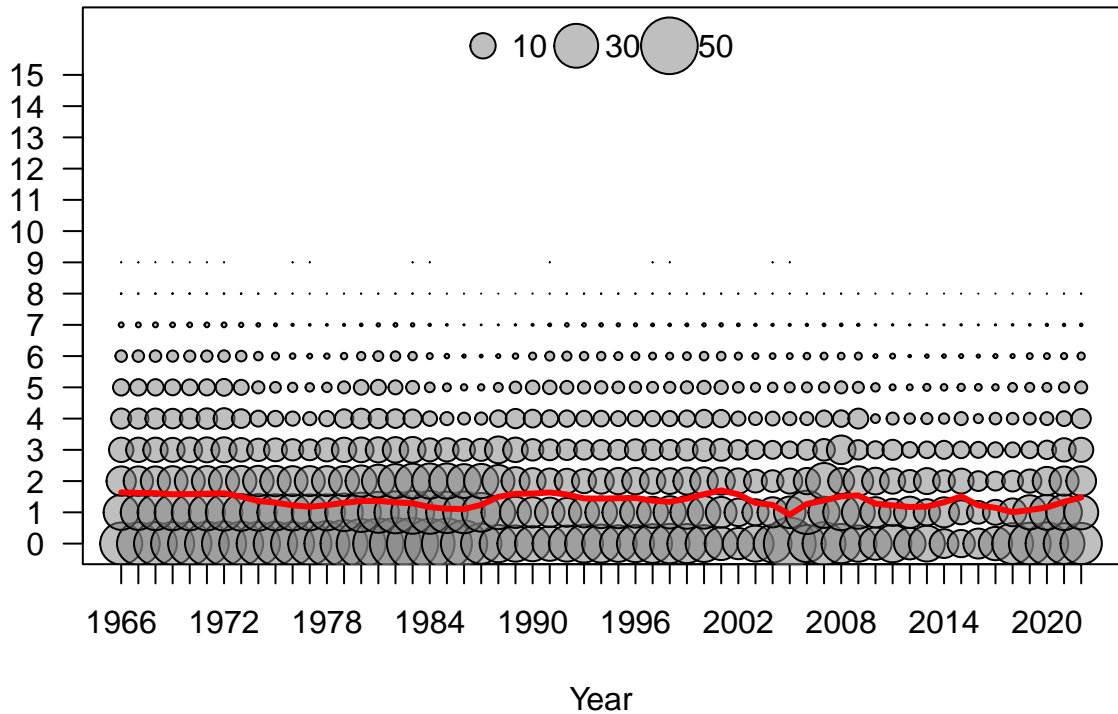


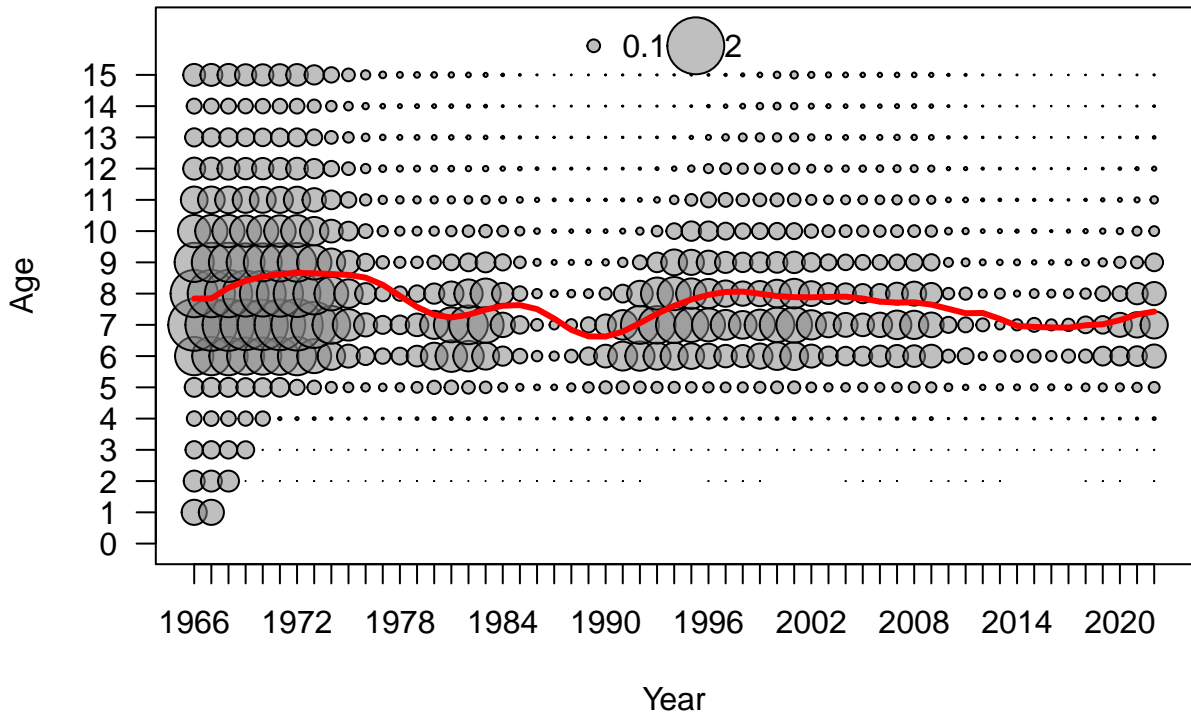


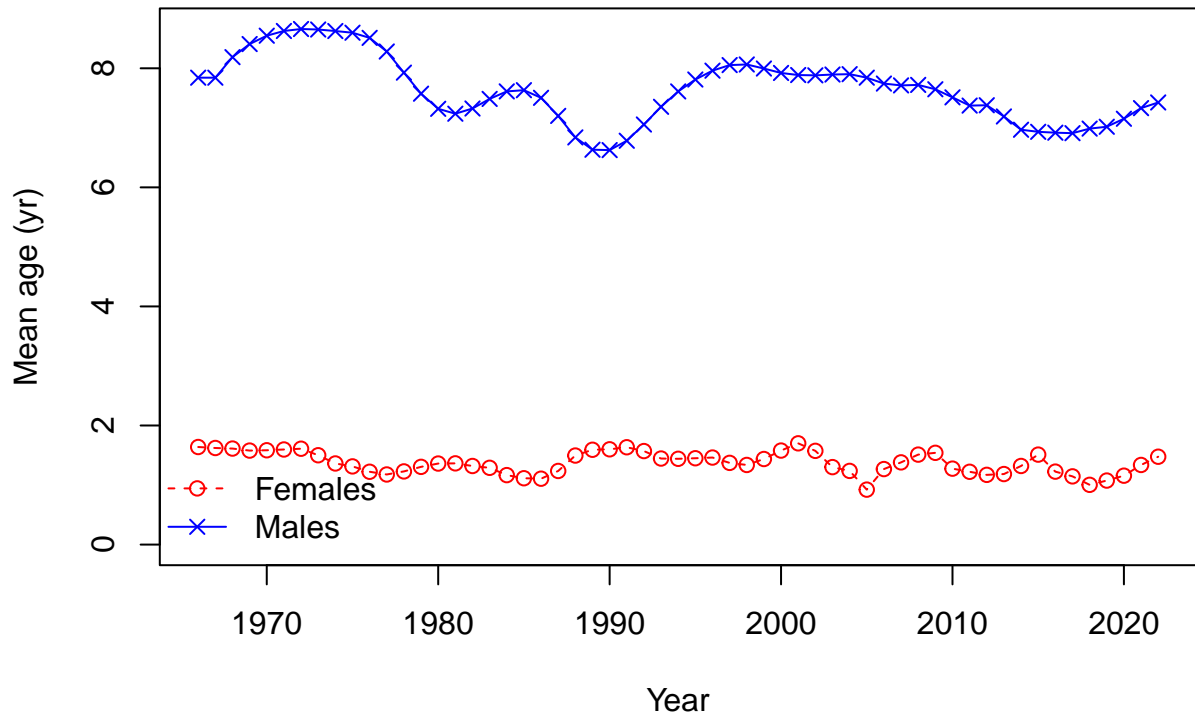
Standardized index



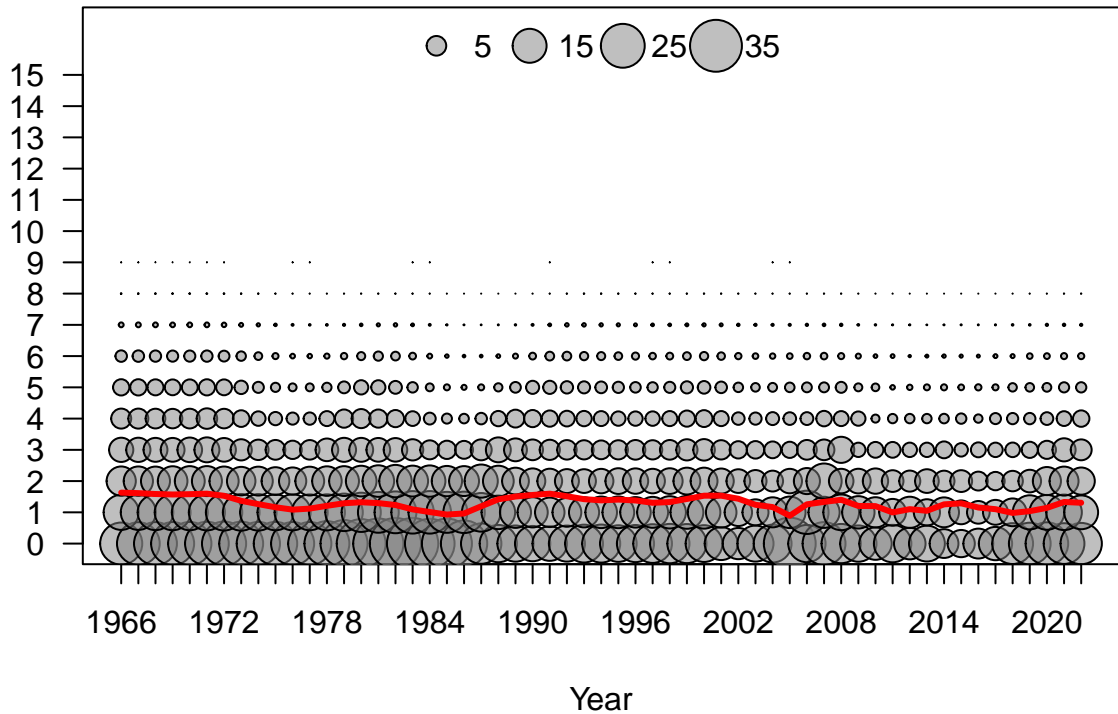
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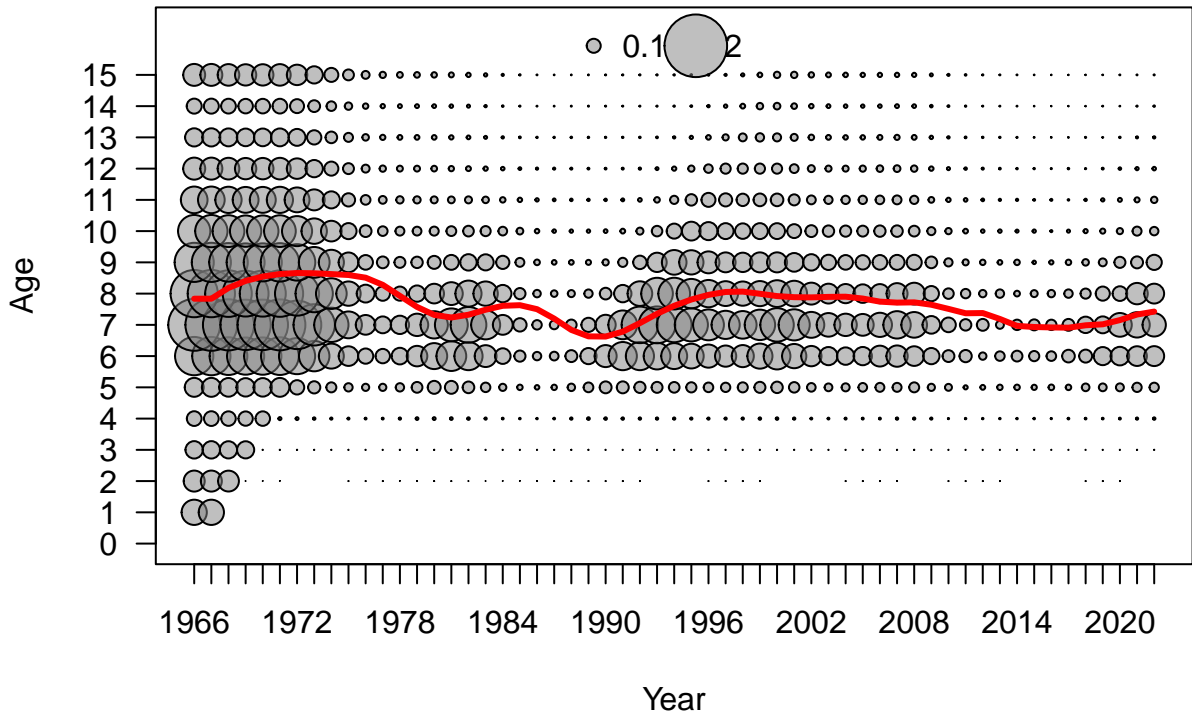


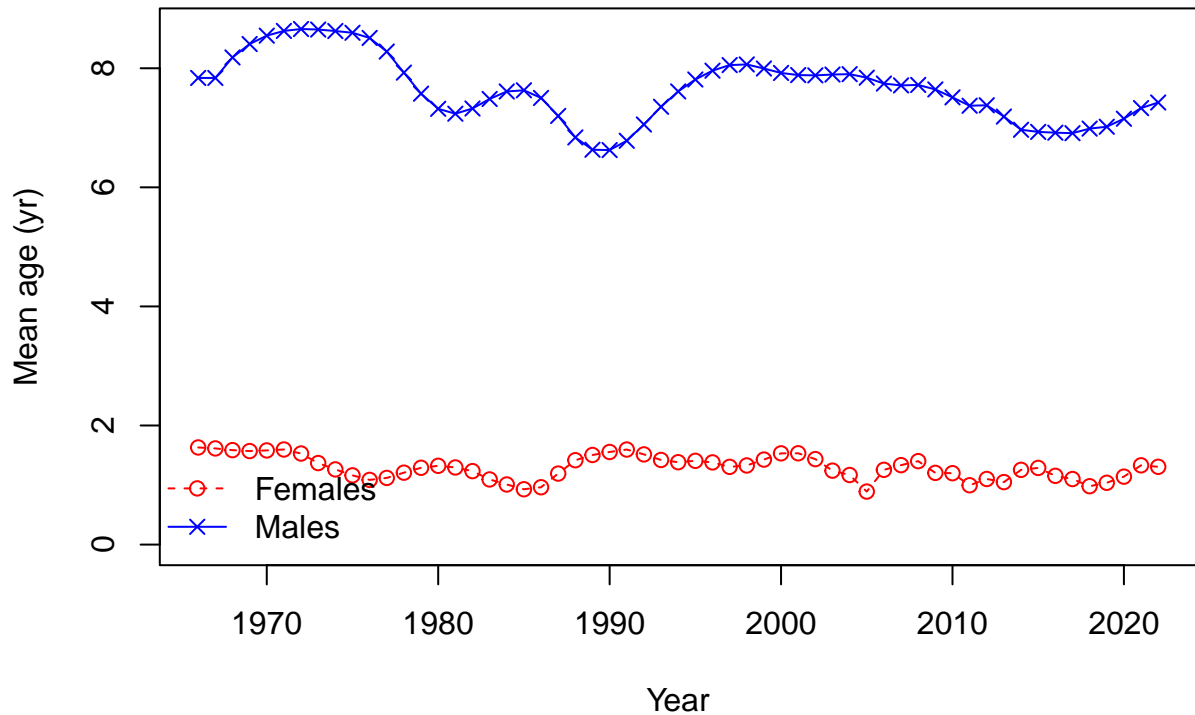




Age







Age

14
12
10
8
6
4
2
0

1970

1980

1990

2000

2010

2020

Year

1

0.1

0.6

0.9

0.2

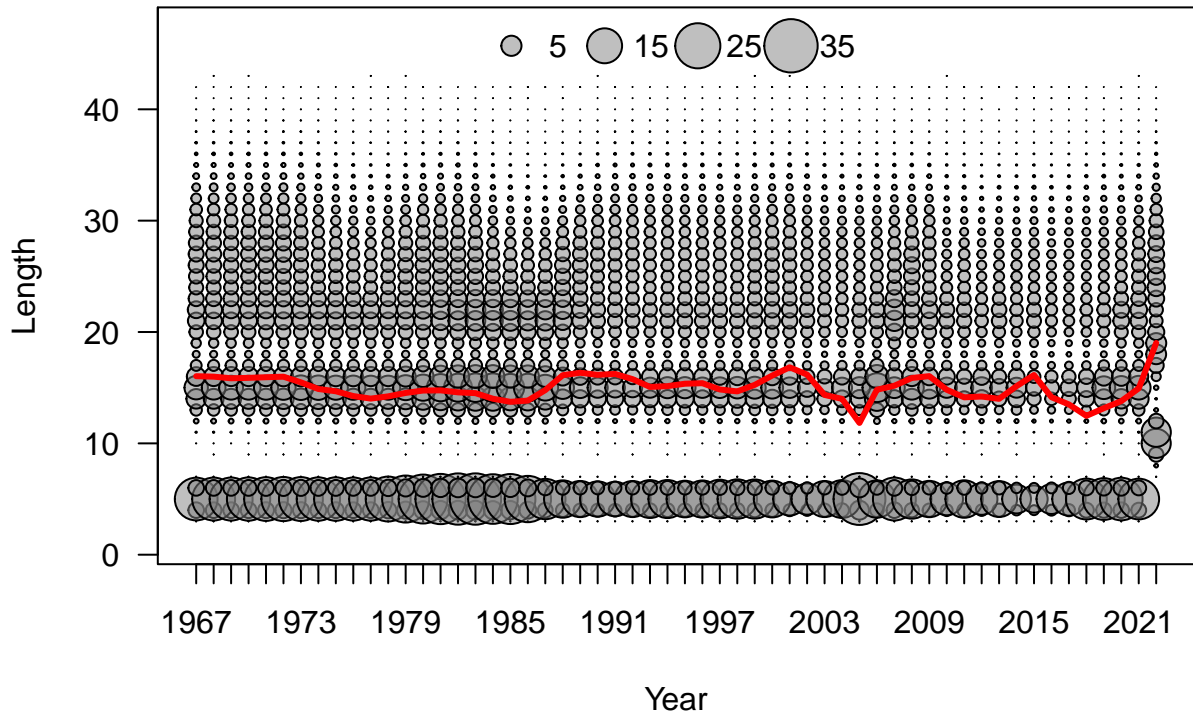
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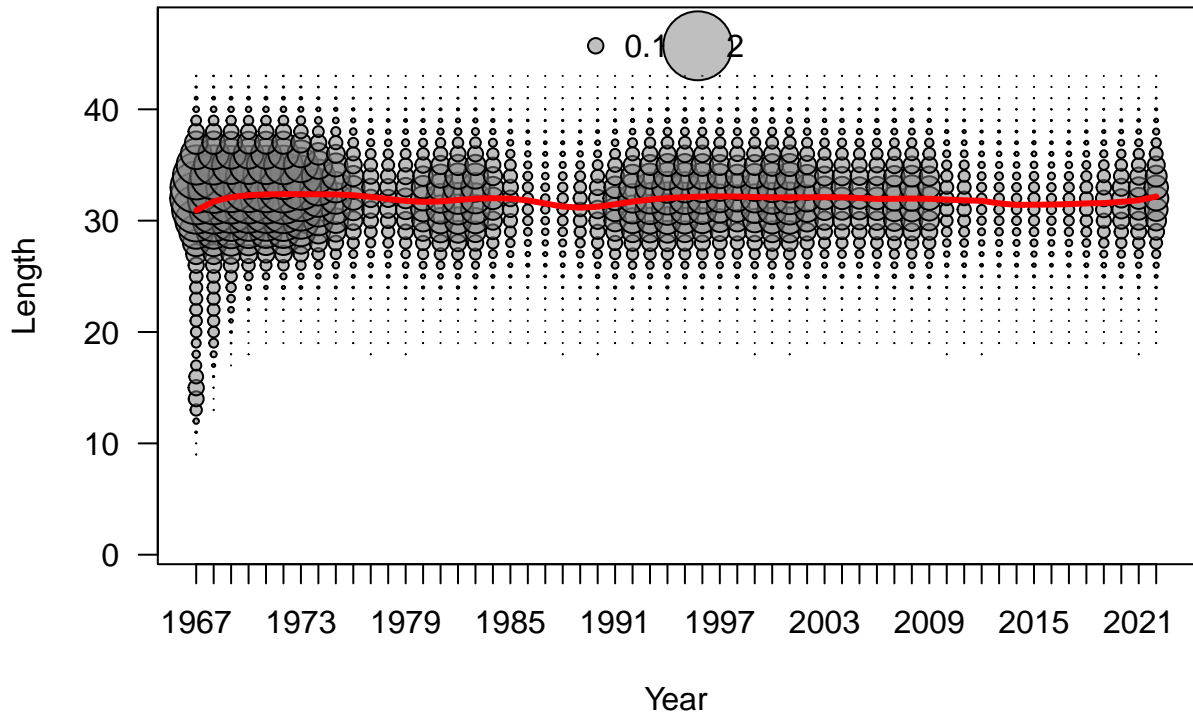
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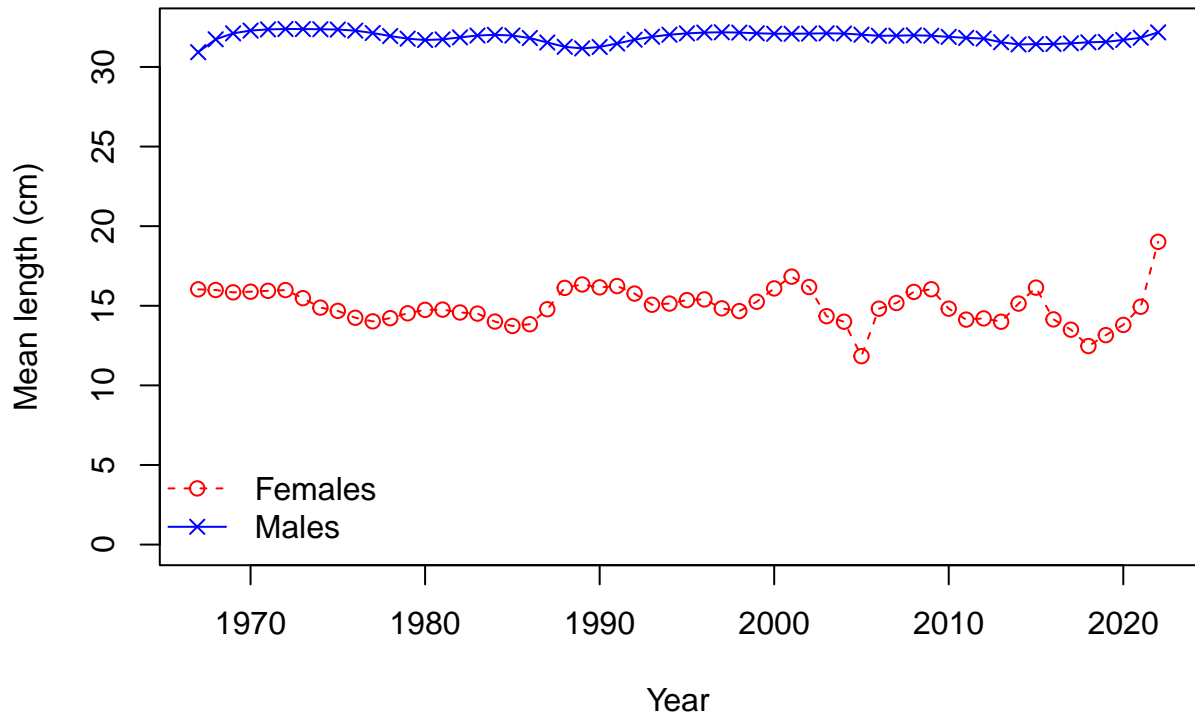
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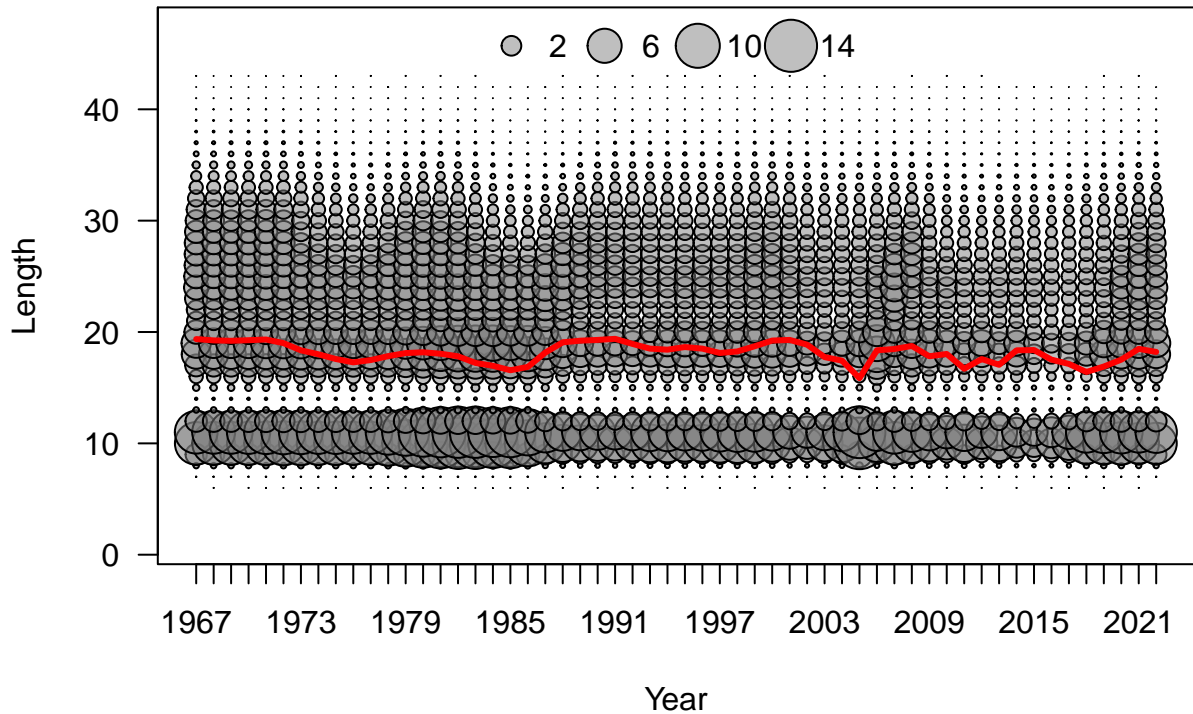
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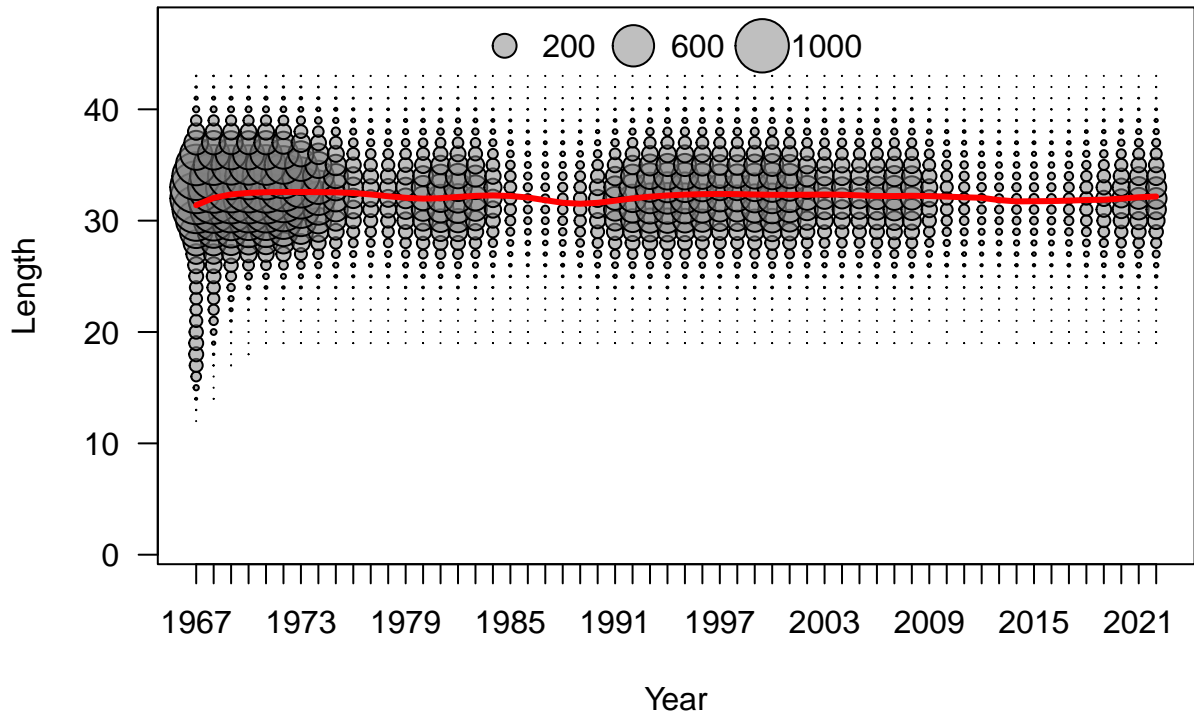
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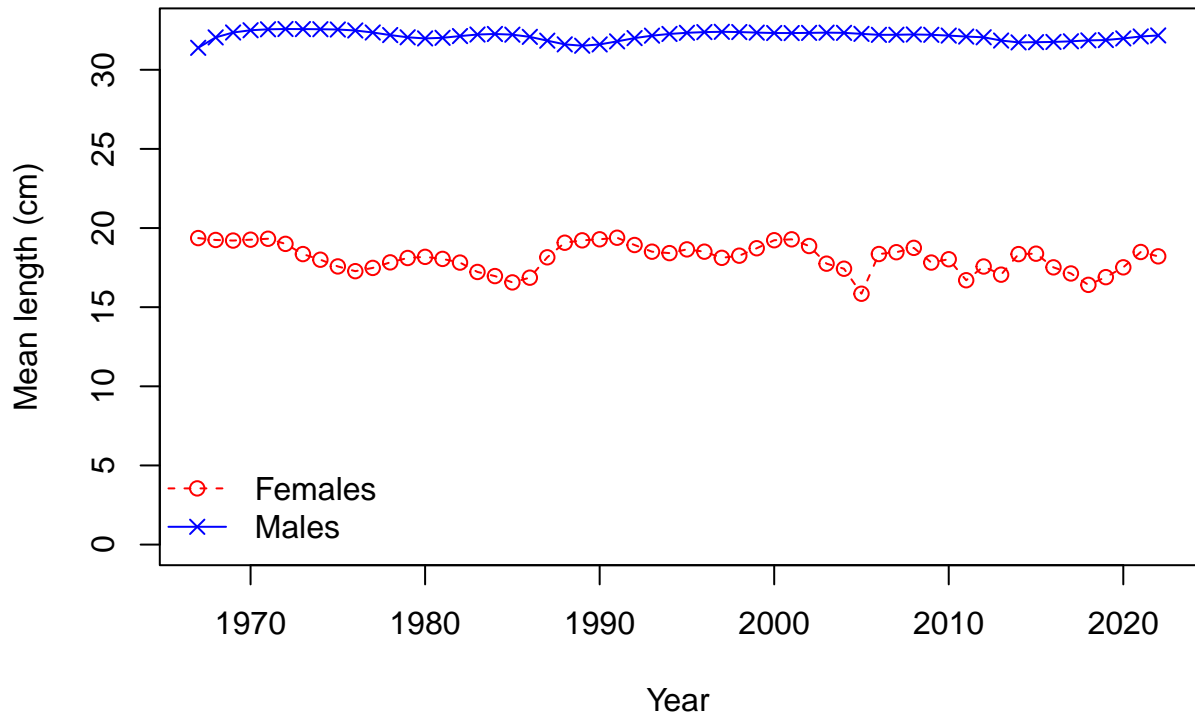




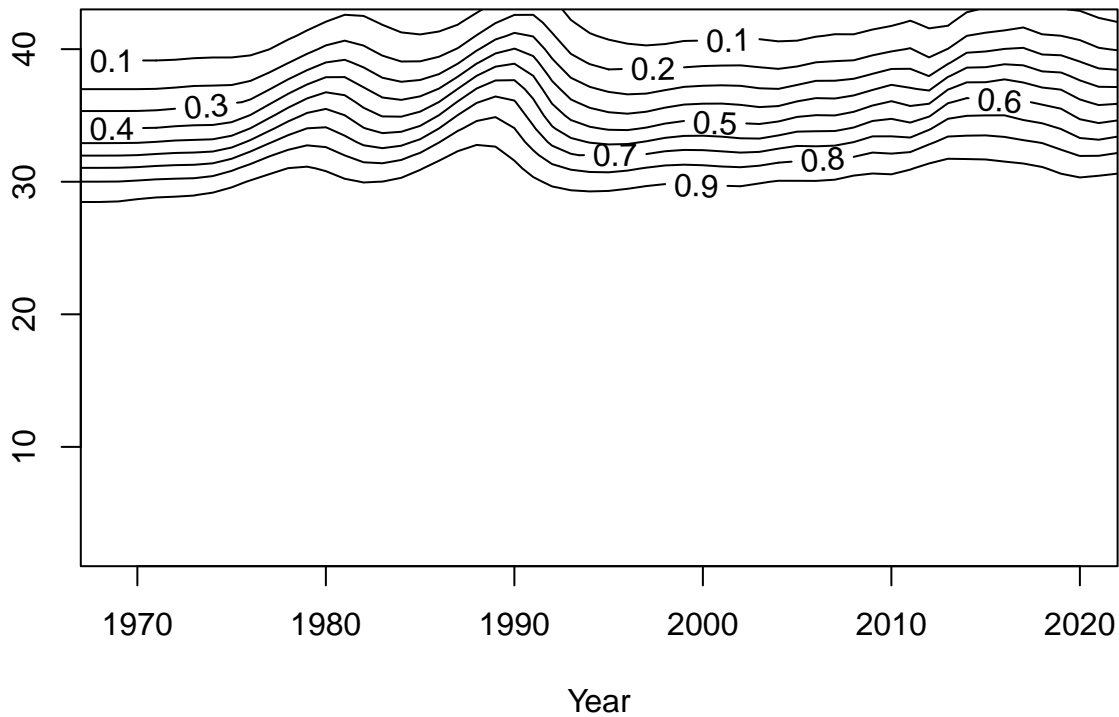


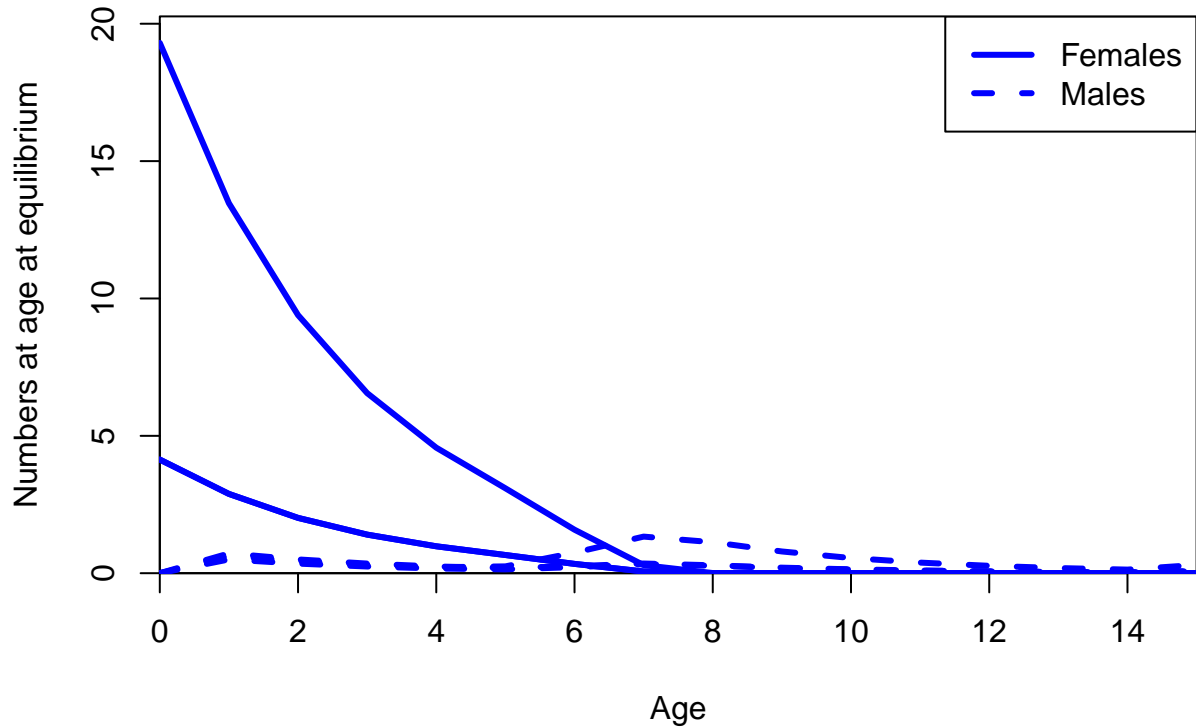






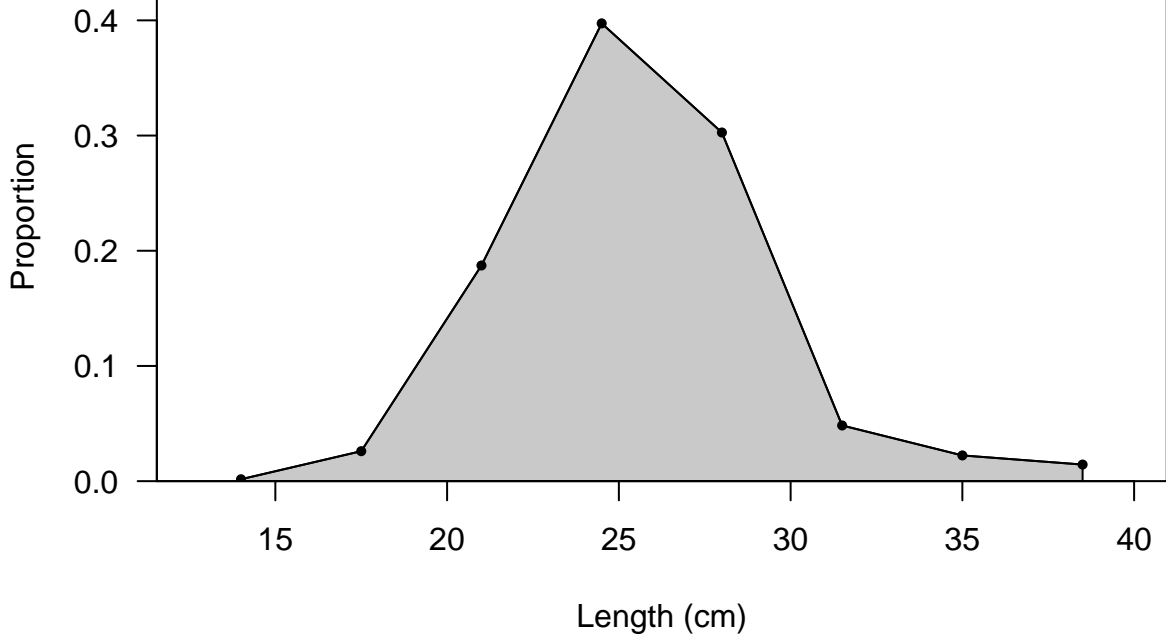
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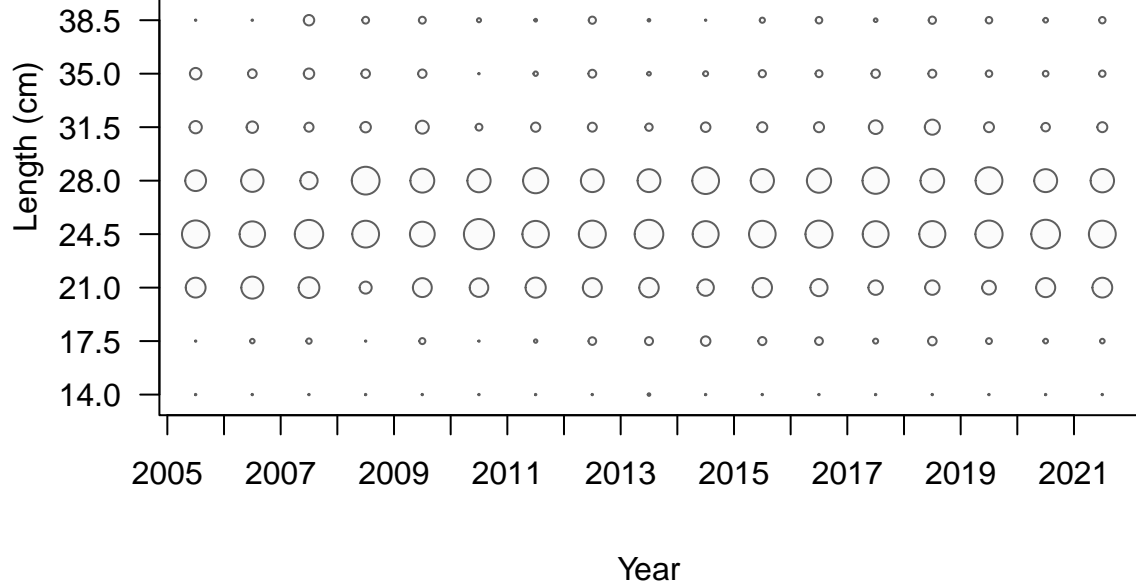
FISHERY

Sum of N input=5953

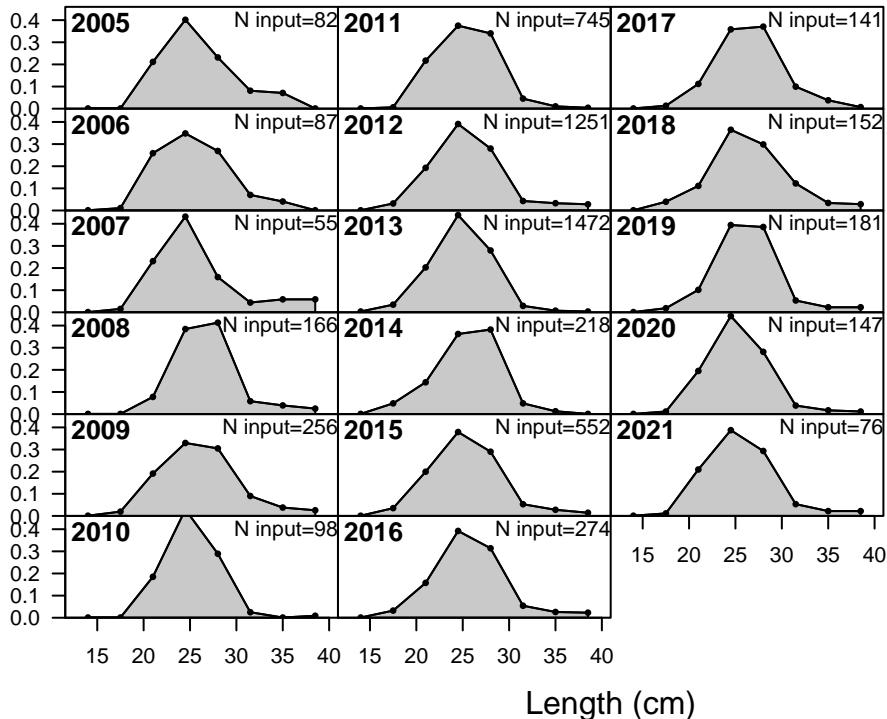


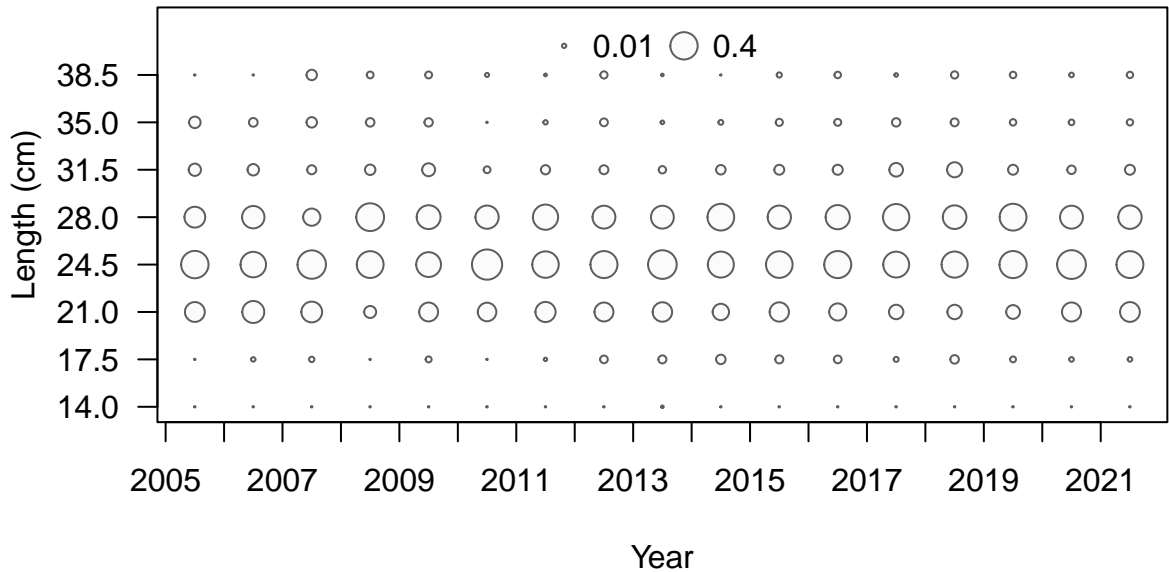
FISHERY

◦ 0.01 ○ 0.4



Proportion

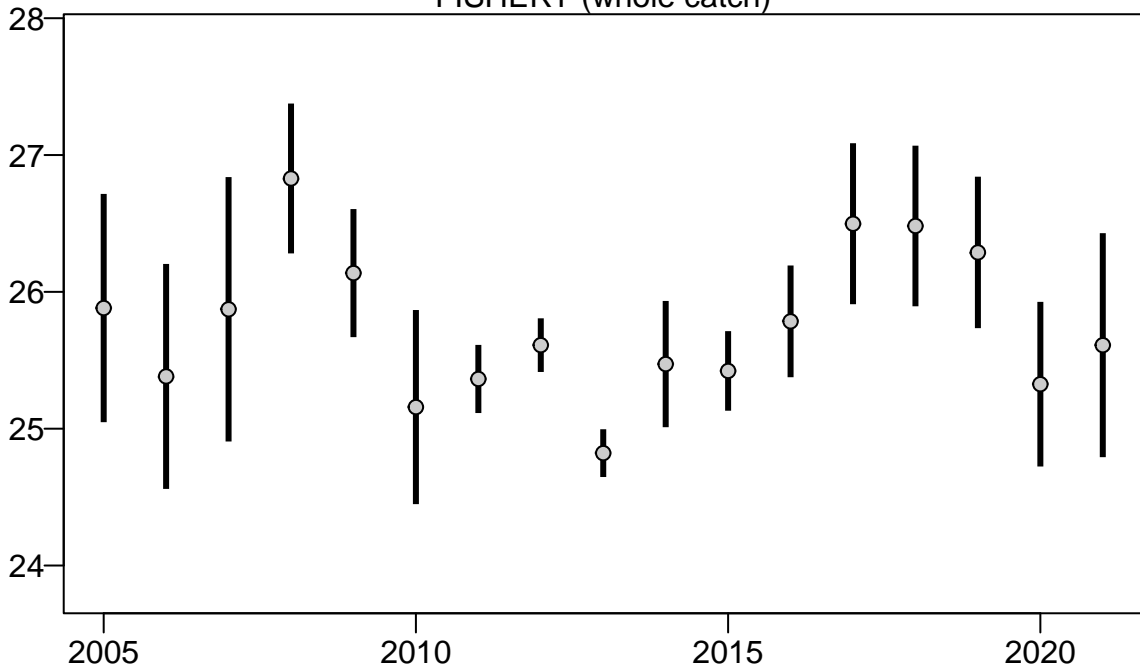


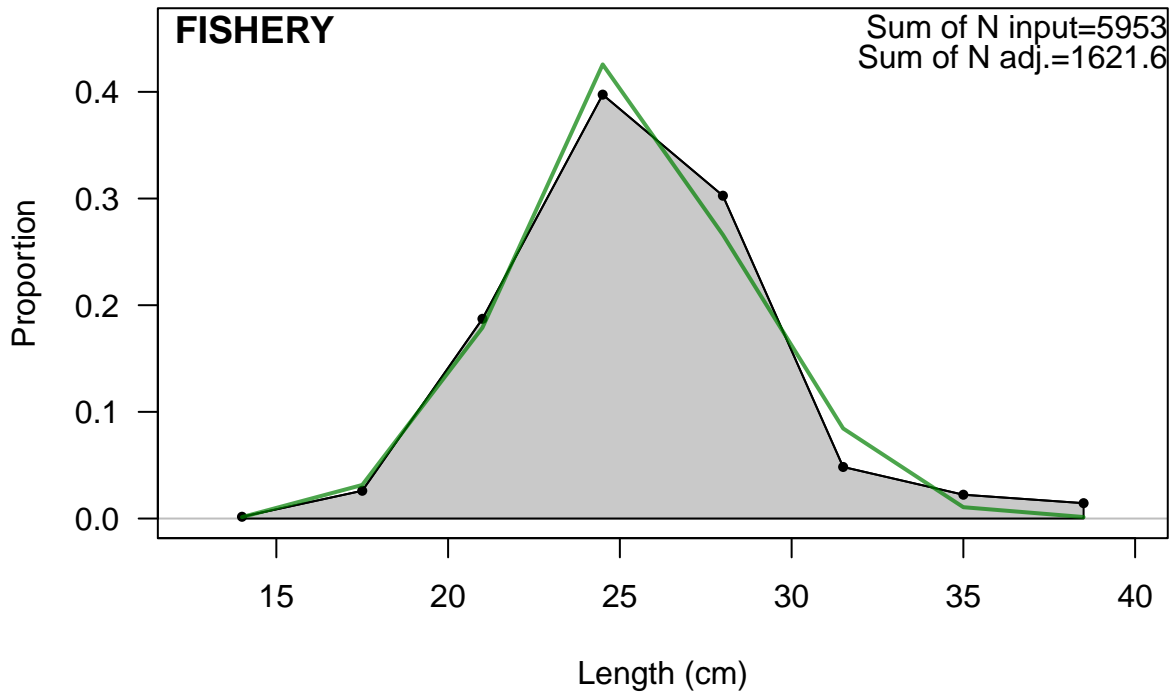


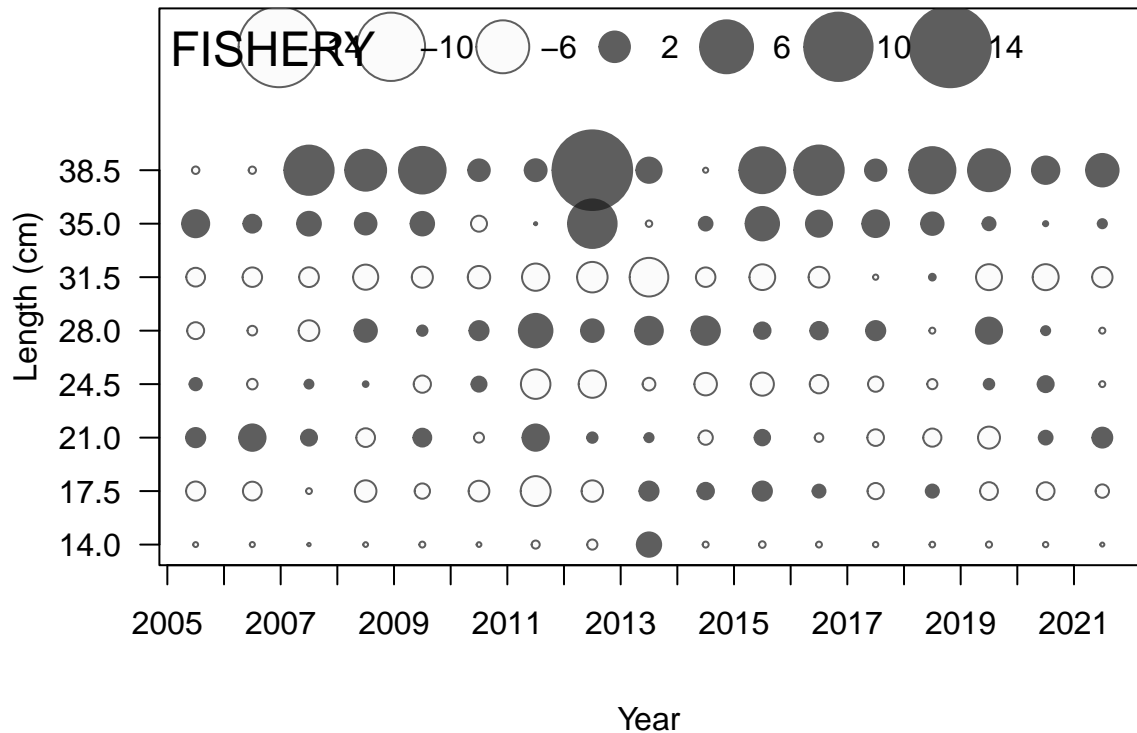
FISHERY (whole catch)

Mean length

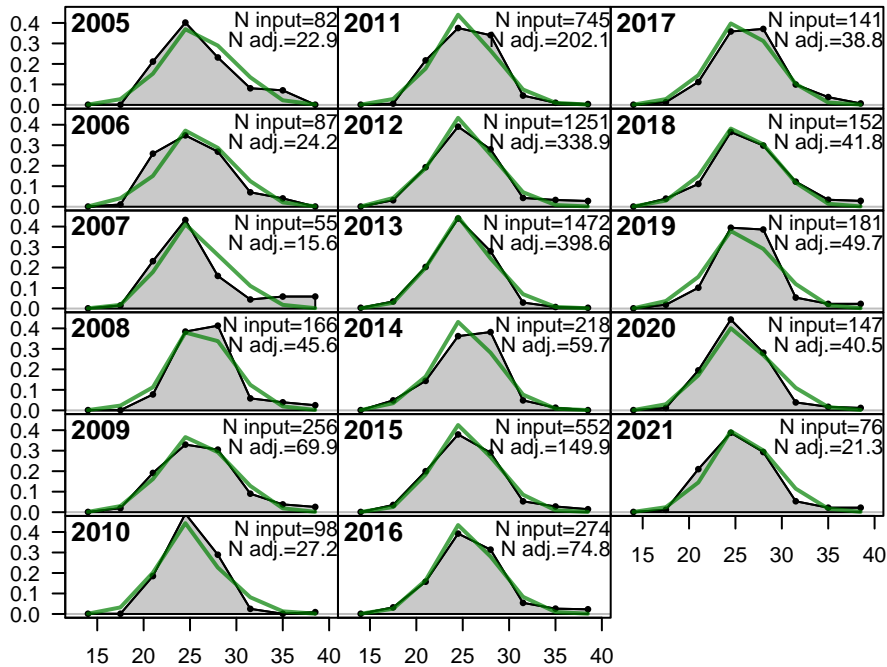
Year



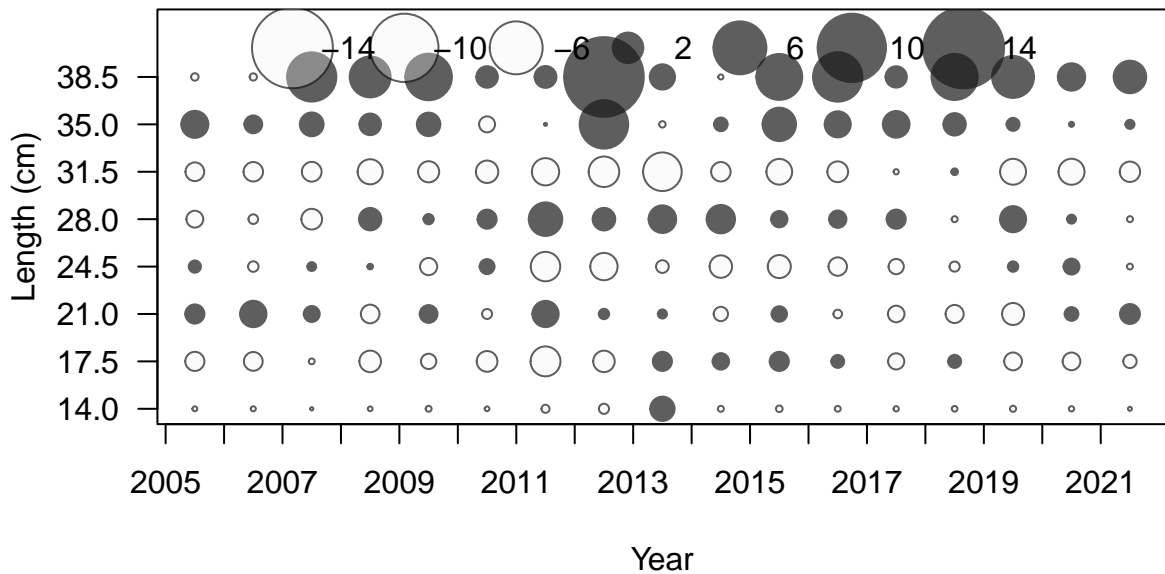




Proportion



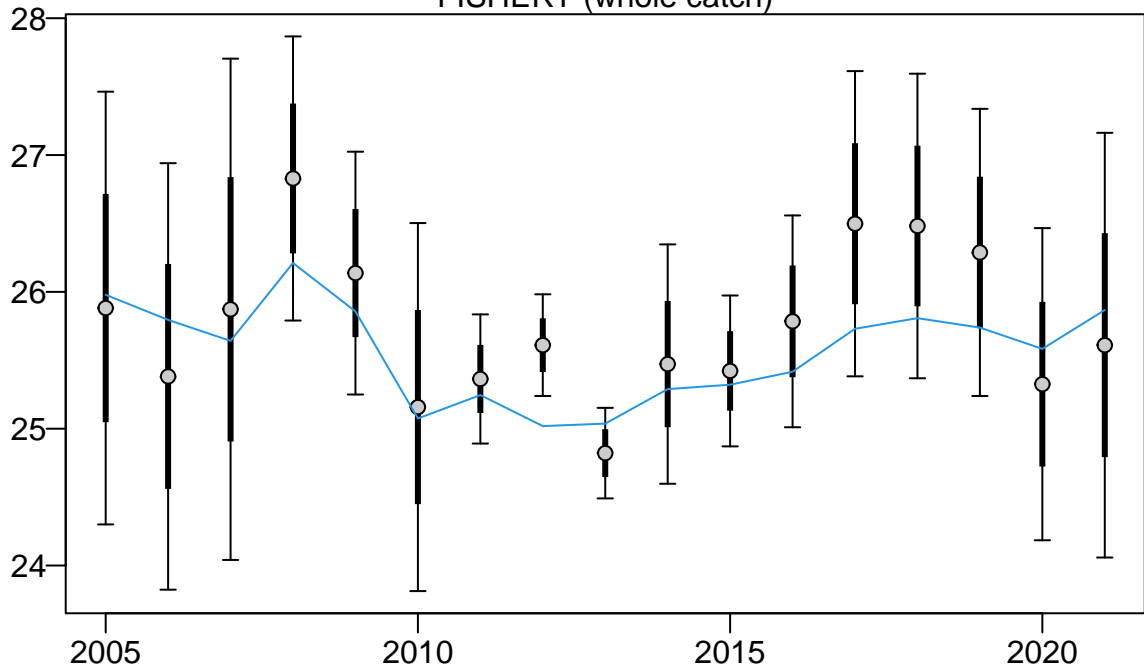
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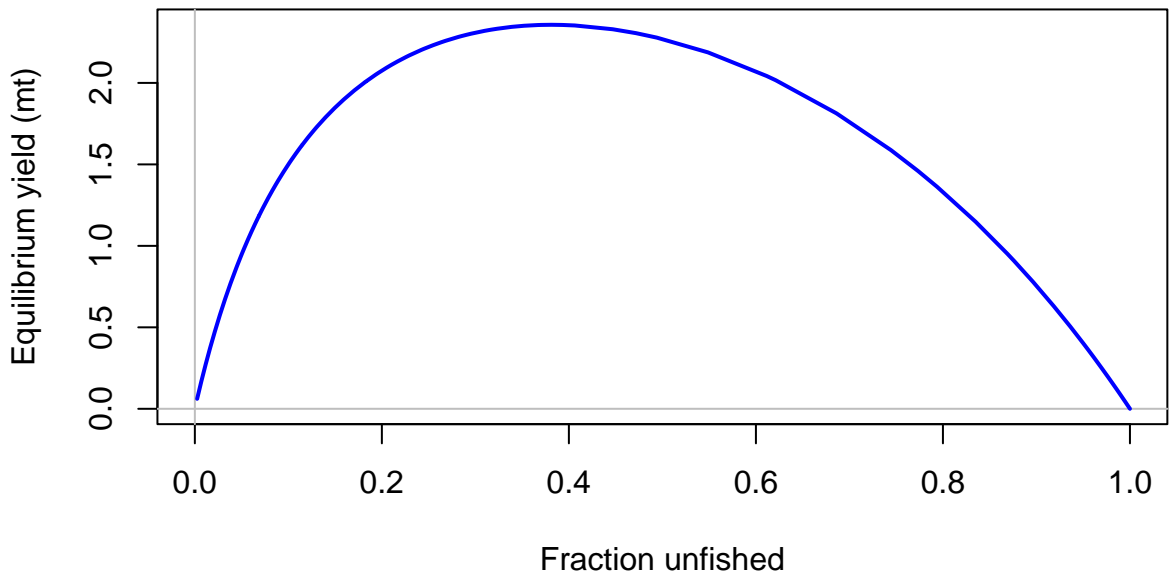


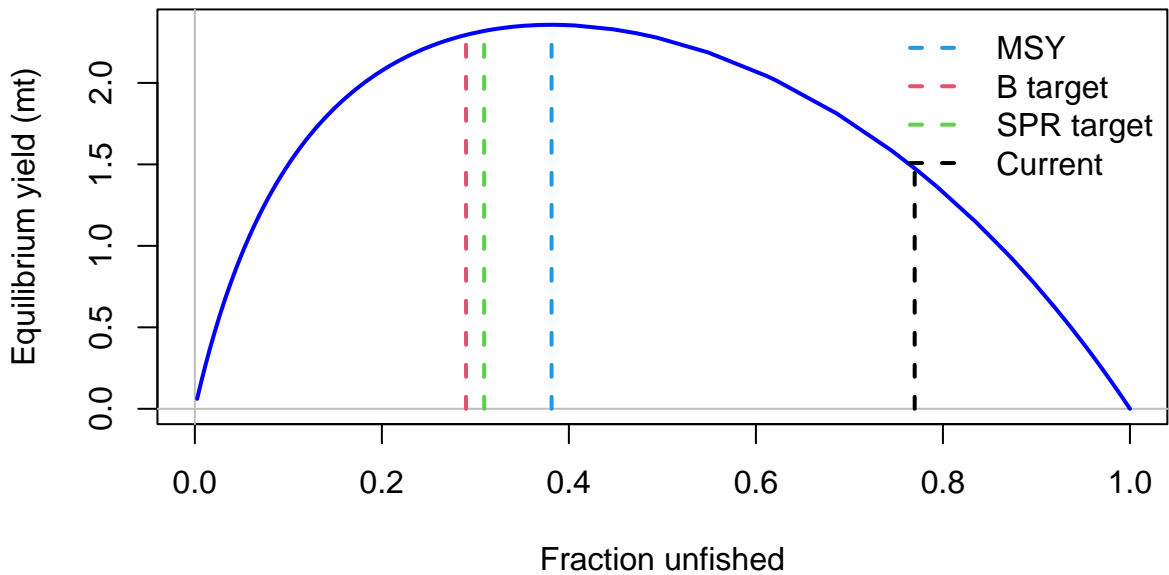
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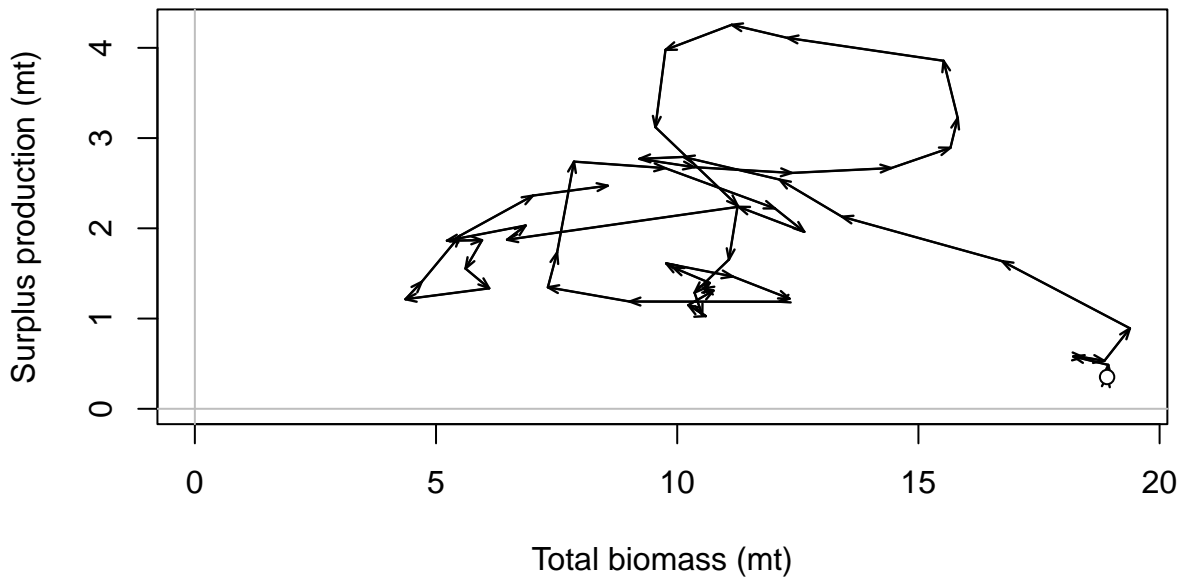
Mean length

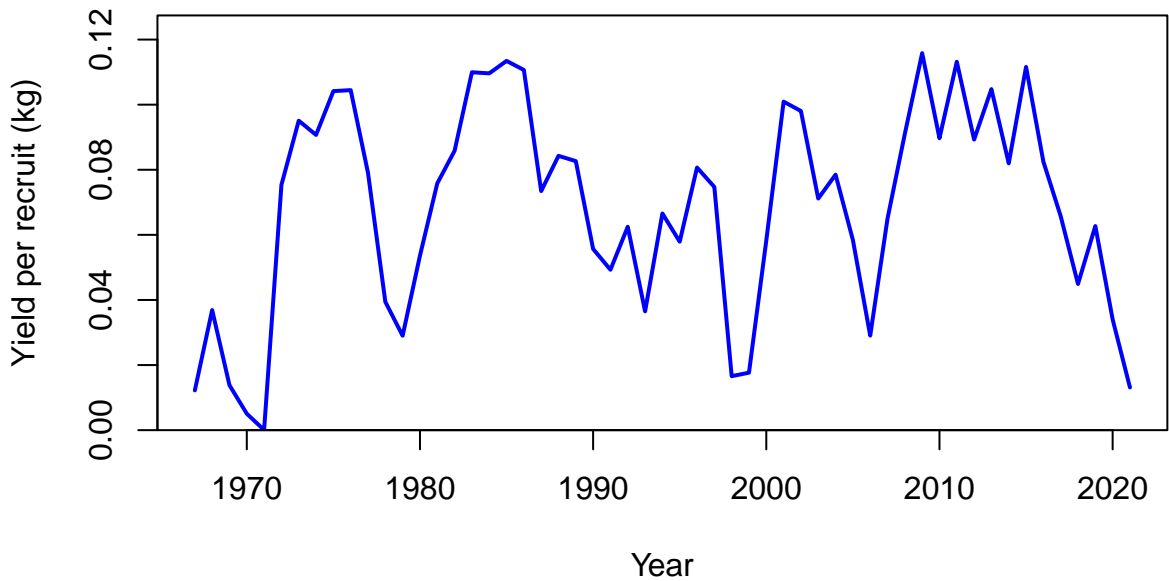
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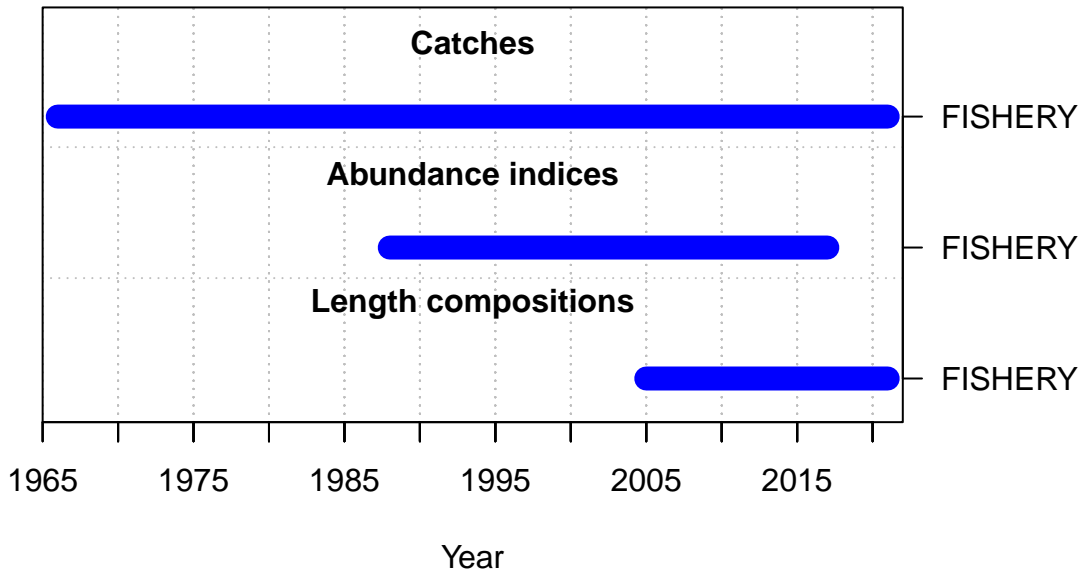


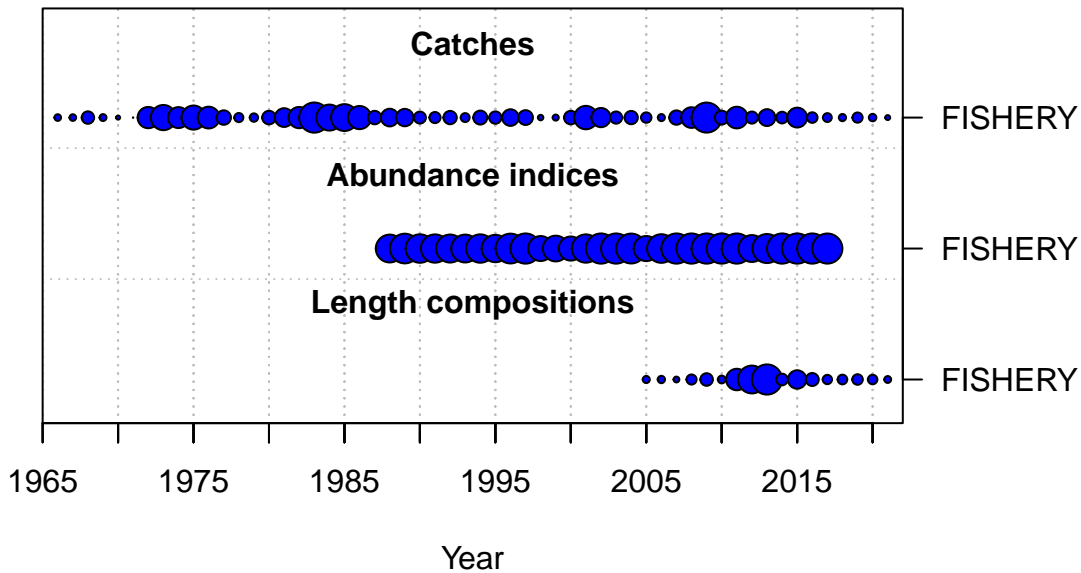




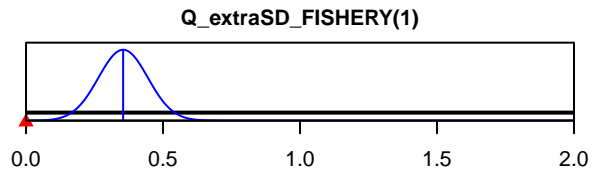
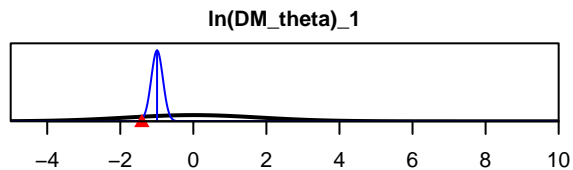
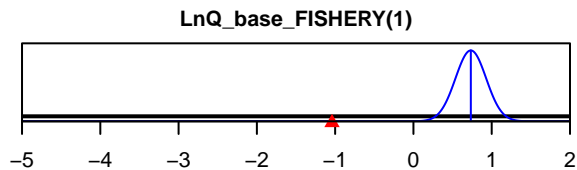
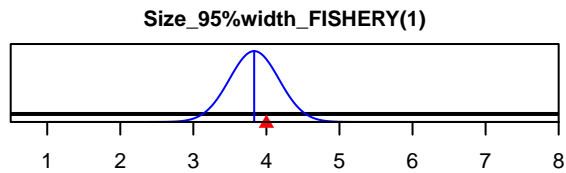
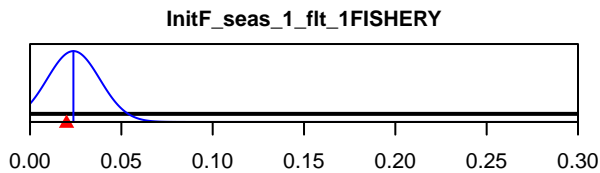
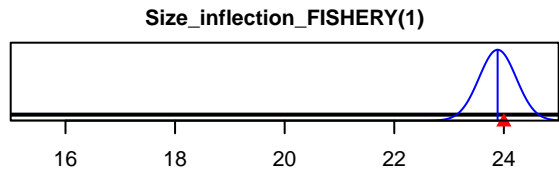
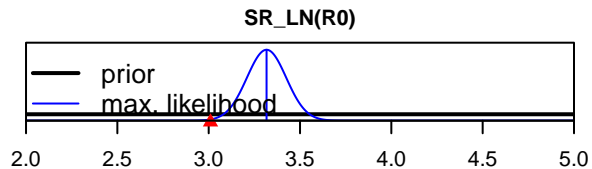








Density



Parameter value