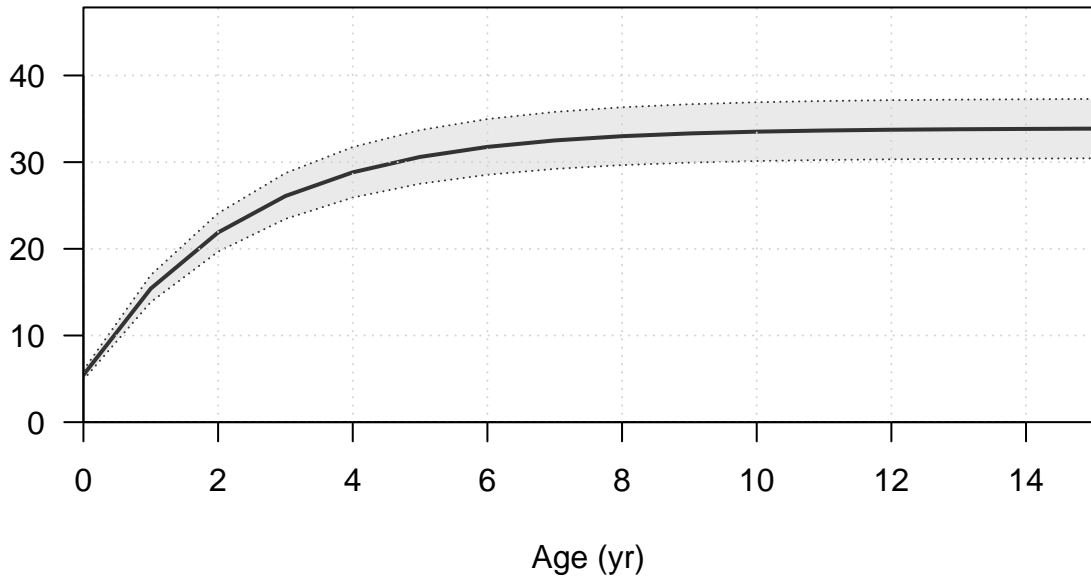
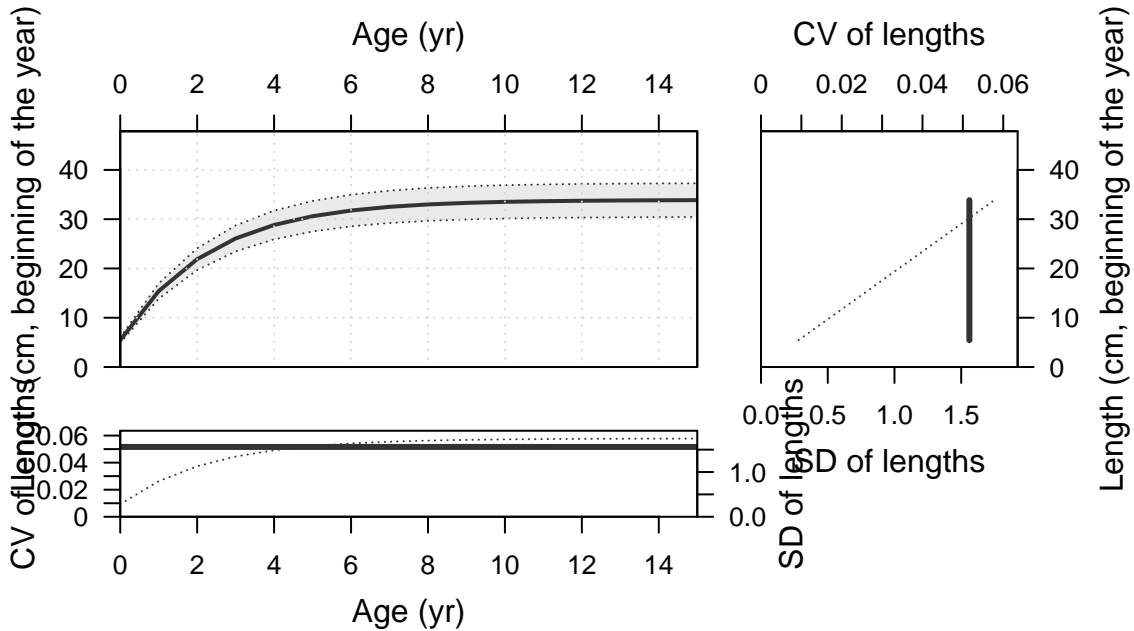
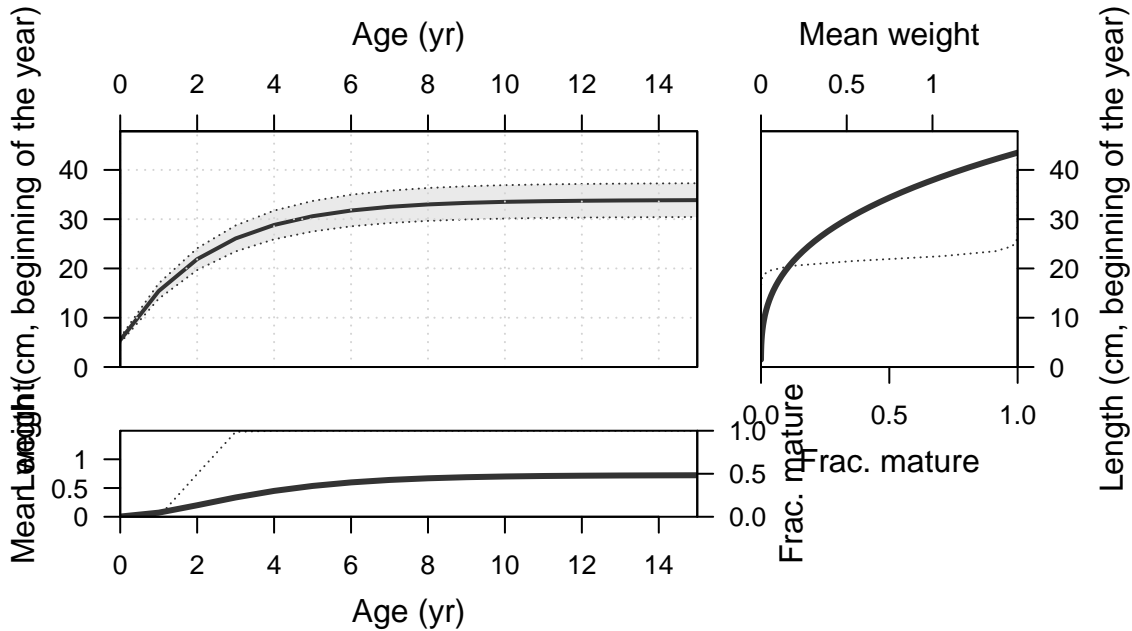


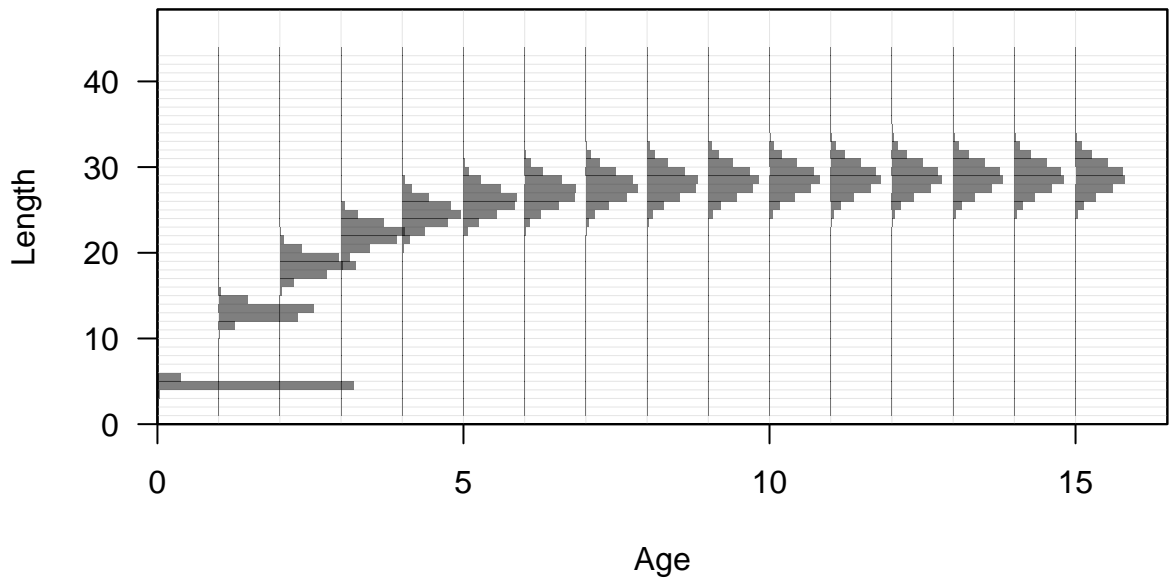
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Tue Aug 09 10:25:02 2022  
Data\_File: data.ss  
Control\_File: control.ss

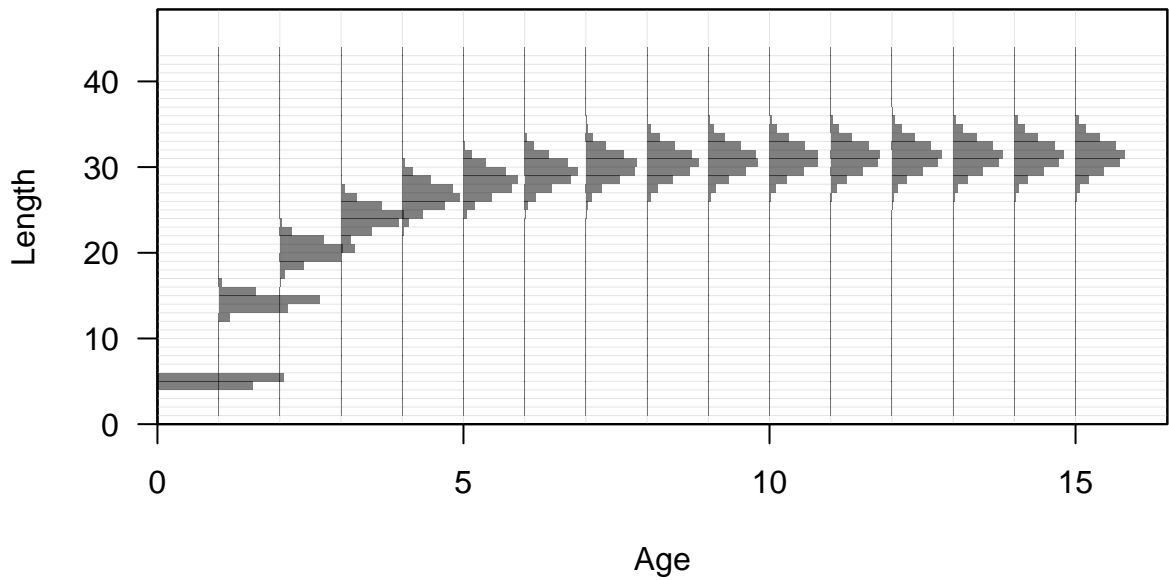
Length (cm, beginning of the year)

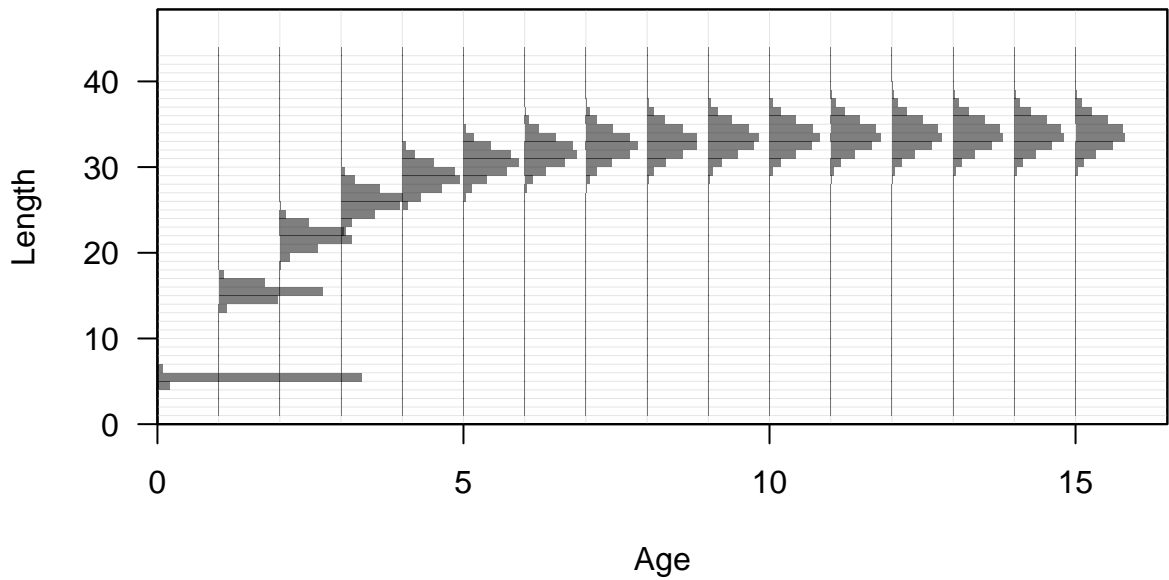


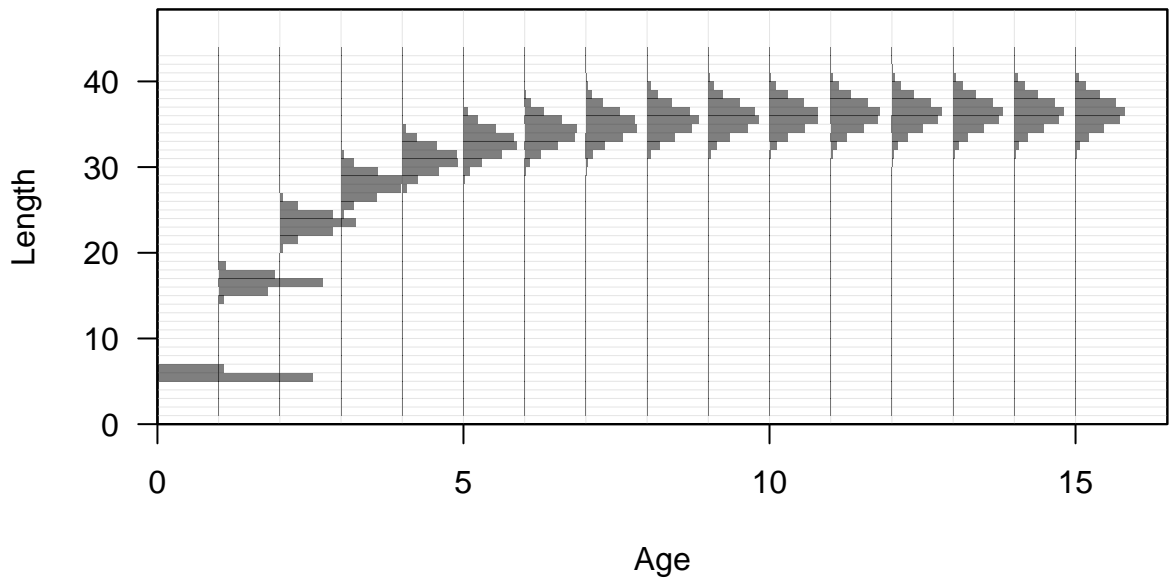




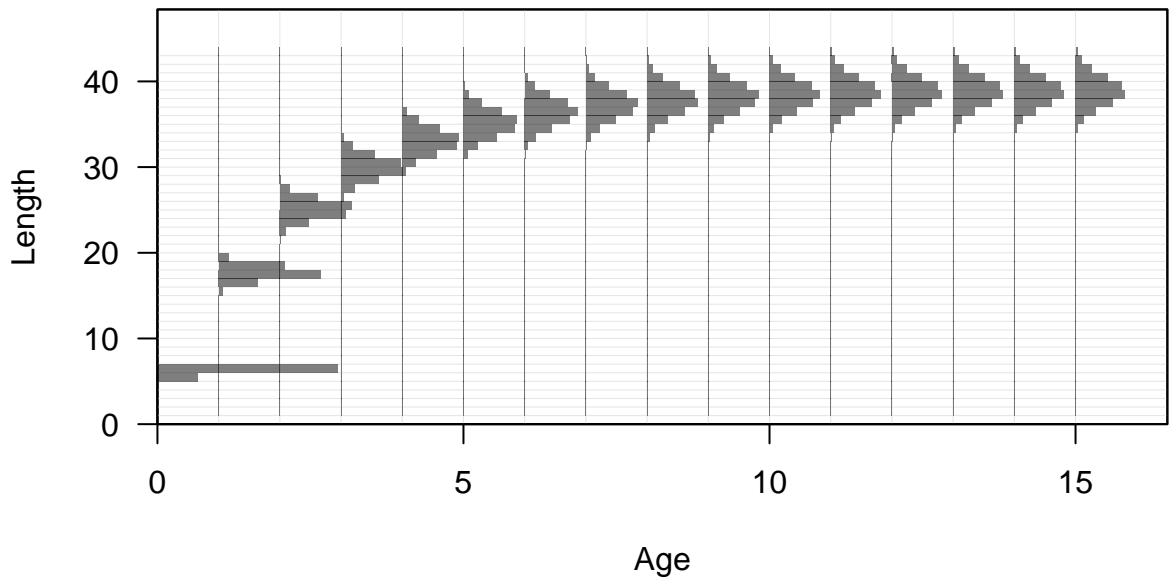


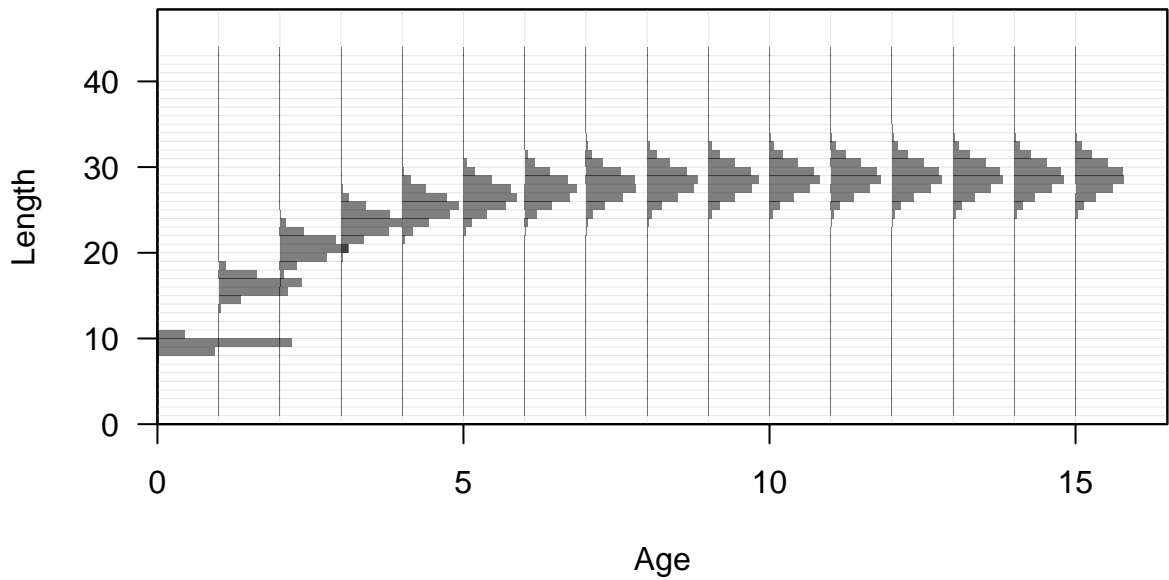


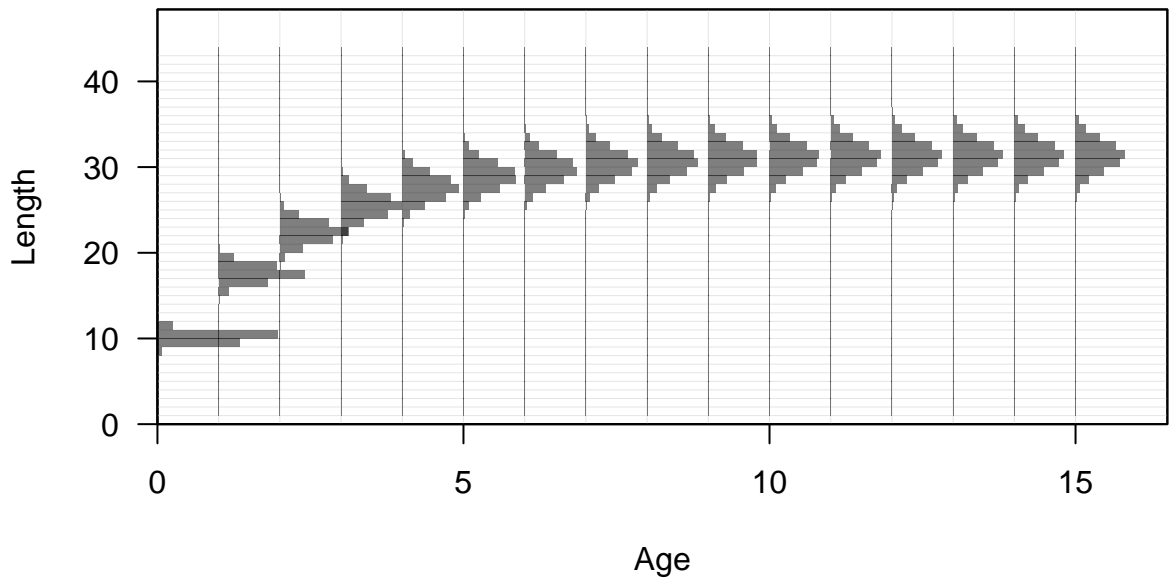


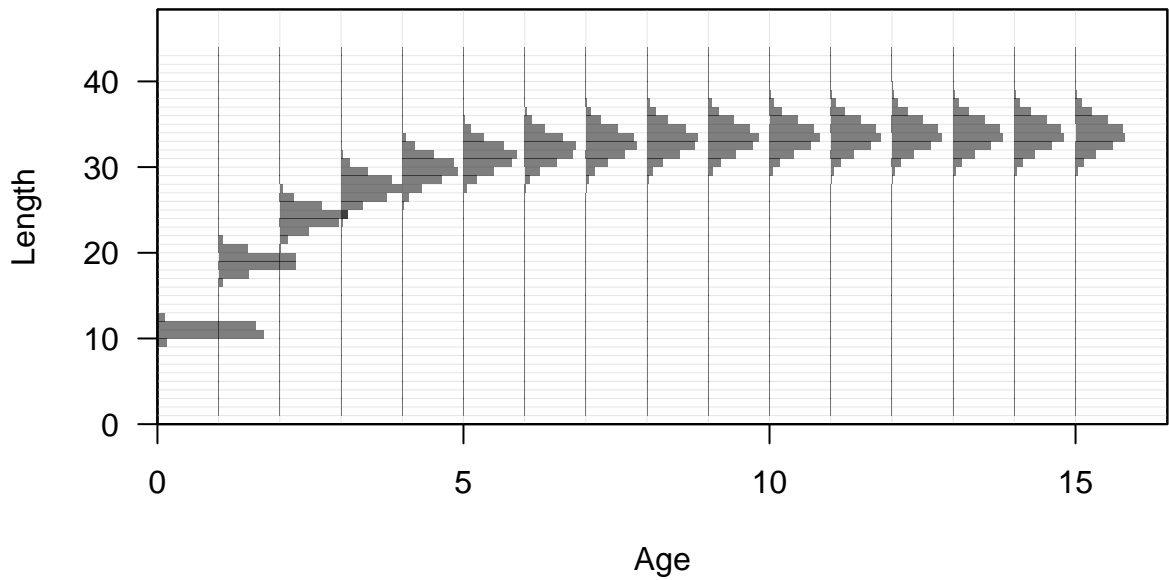


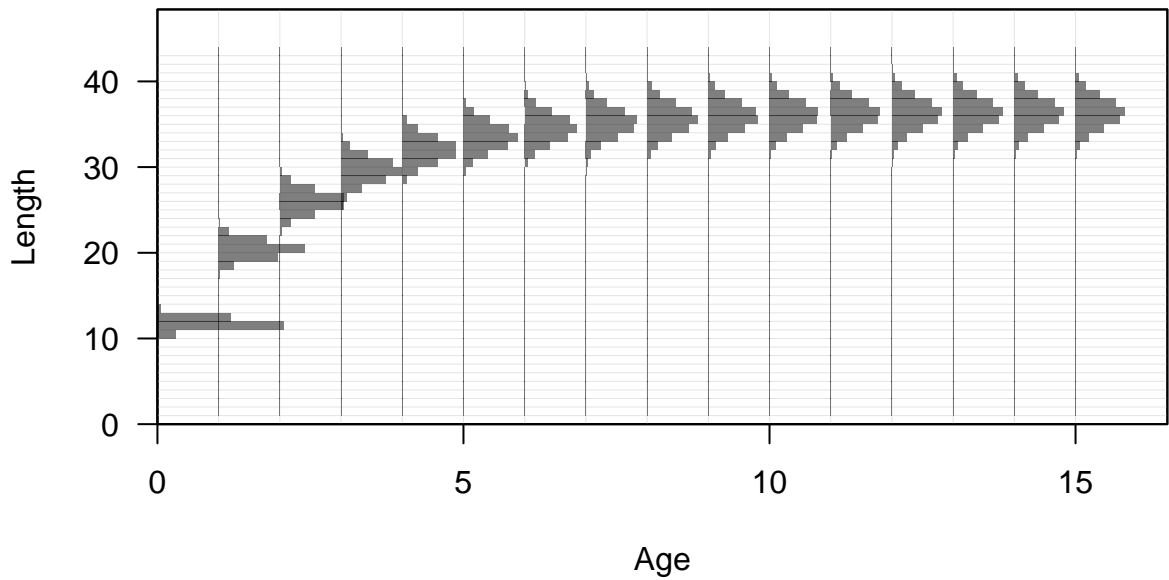


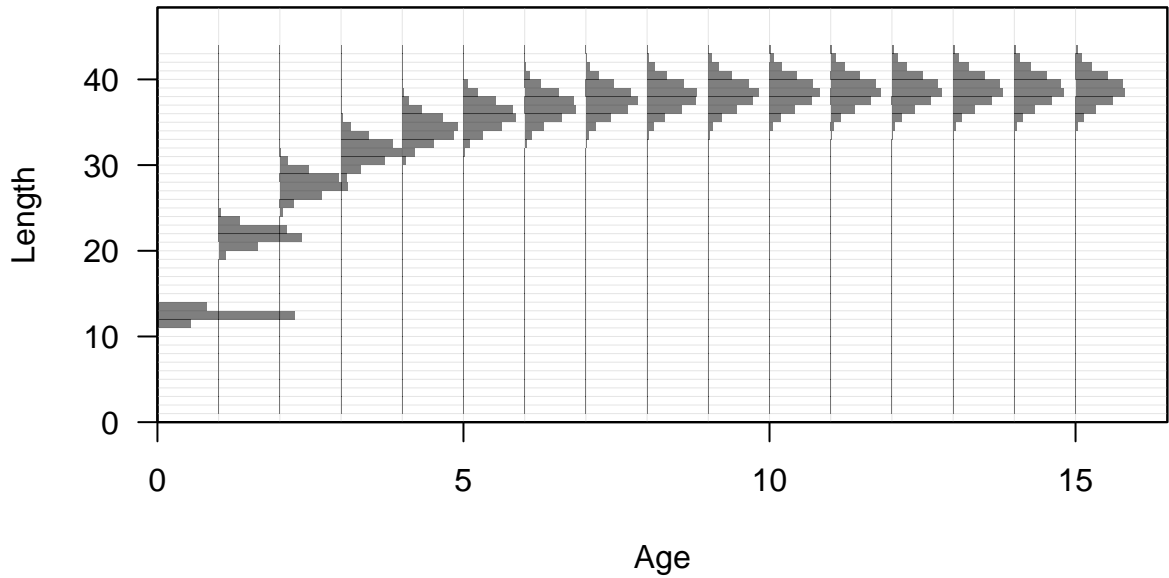








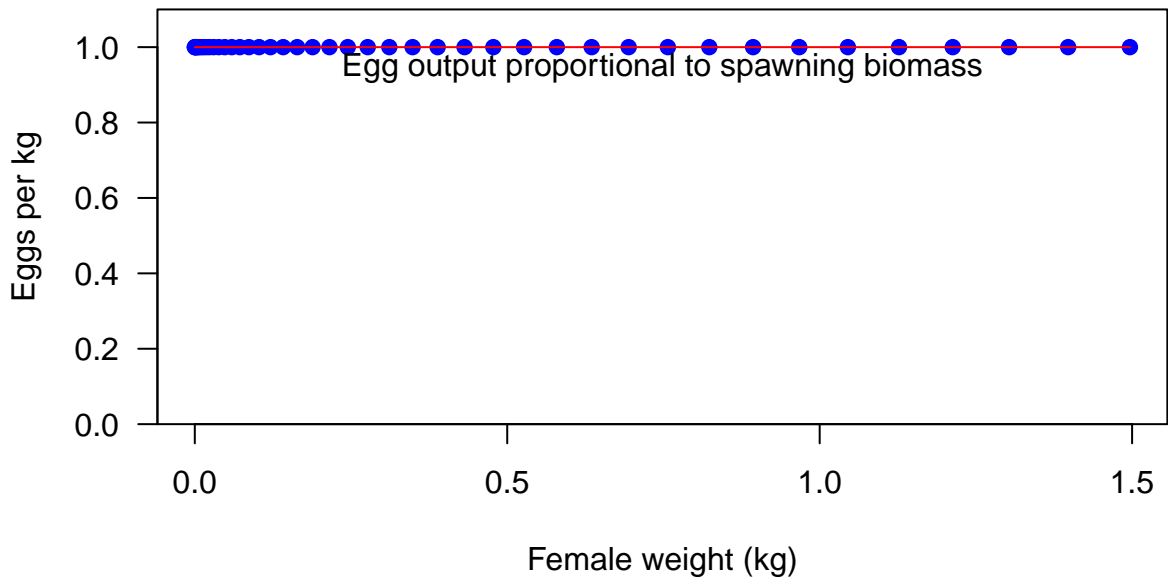








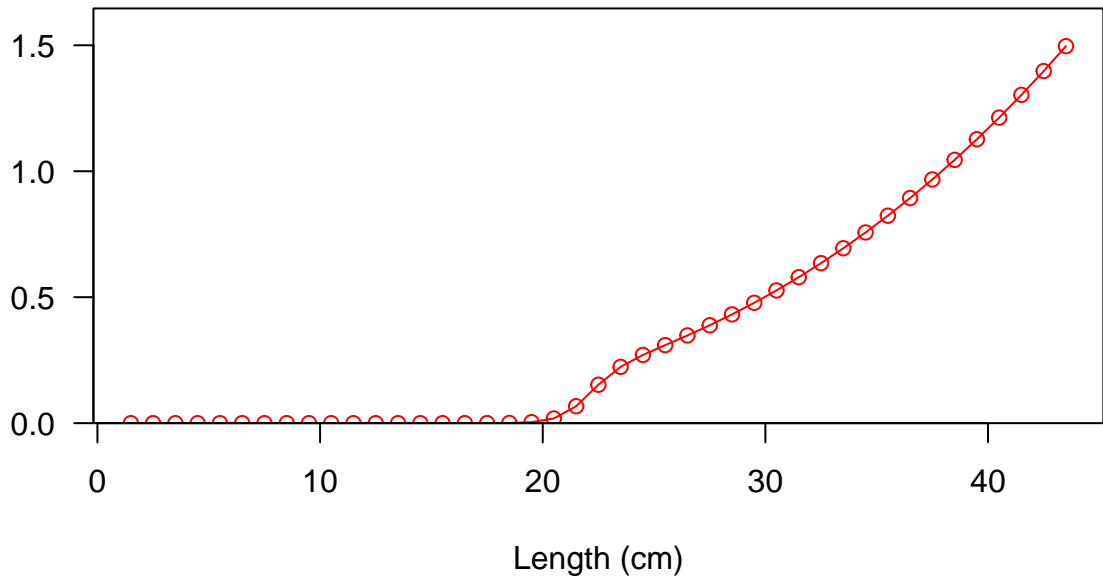


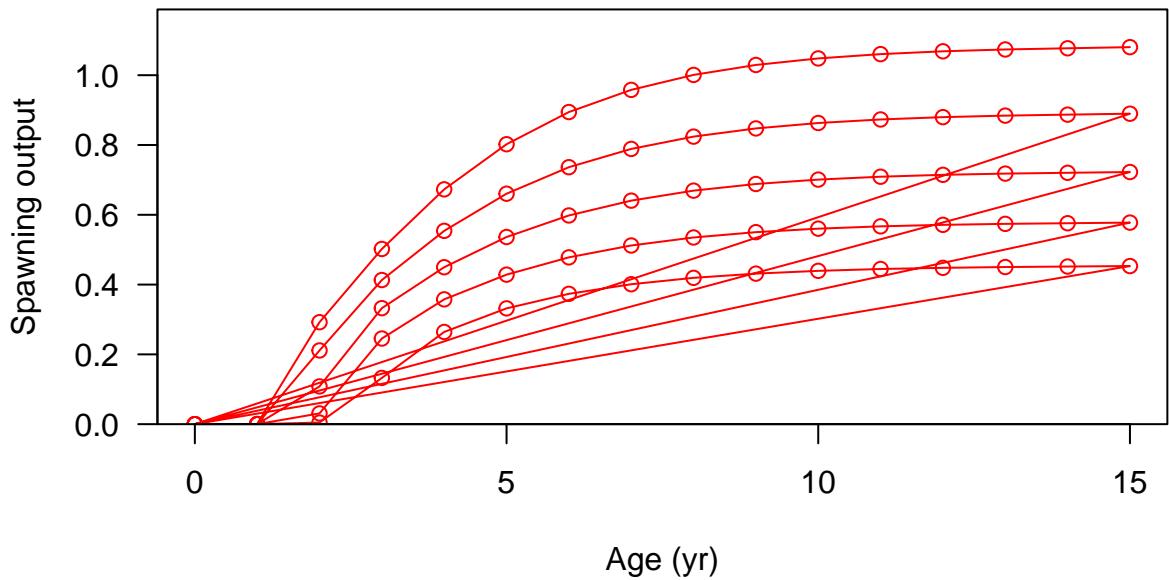






Spawning output

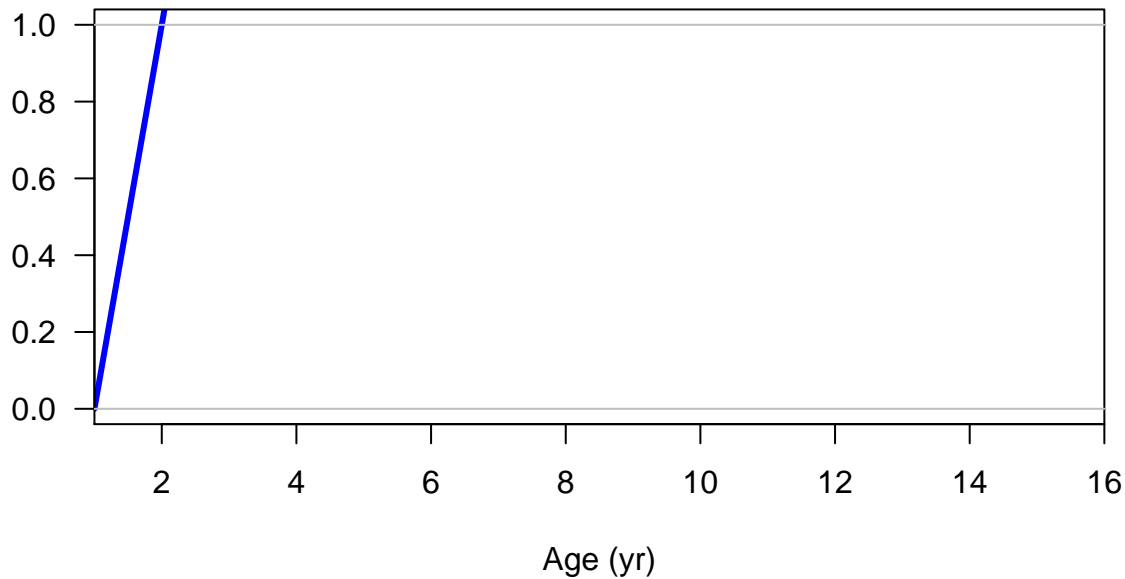




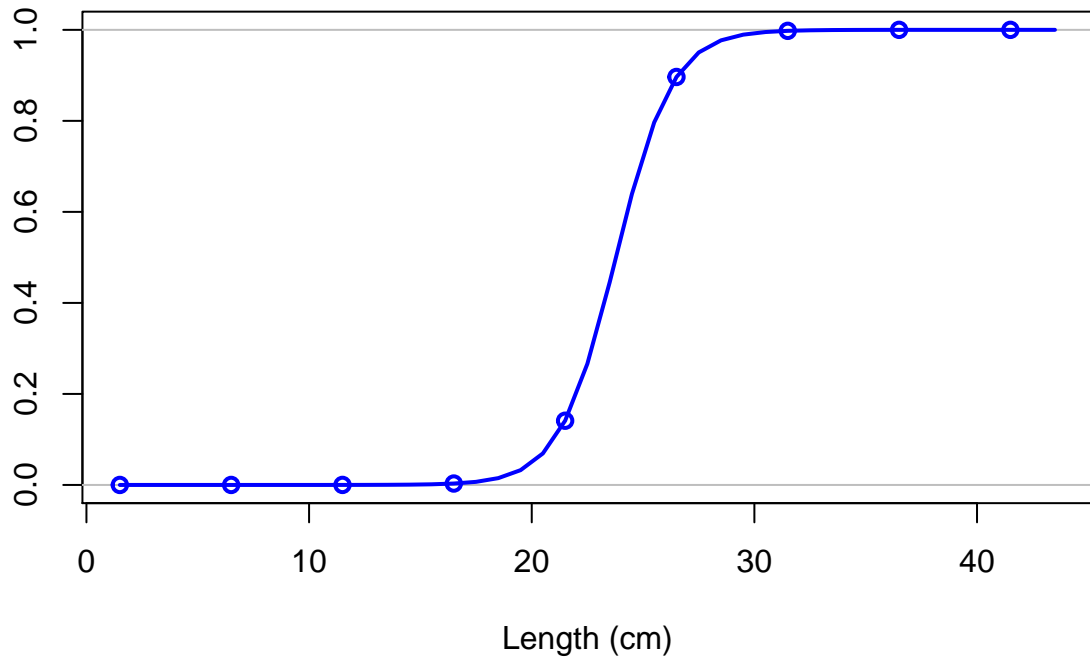
Hermaphroditism transition rate



Fraction females by age at equilibrium

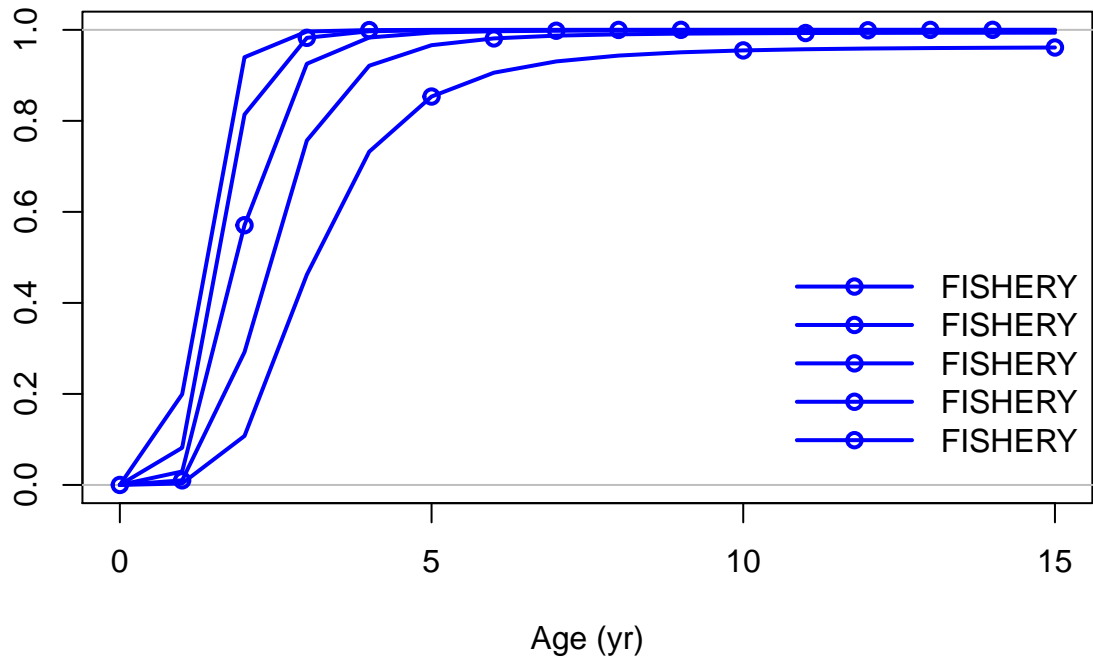


Selectivity

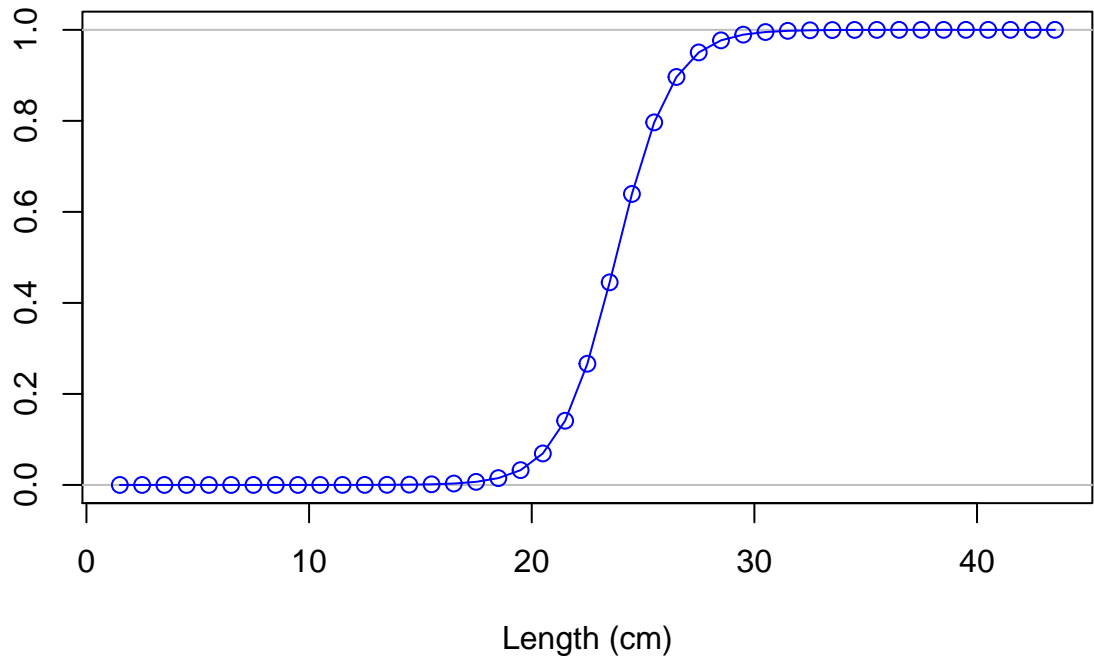


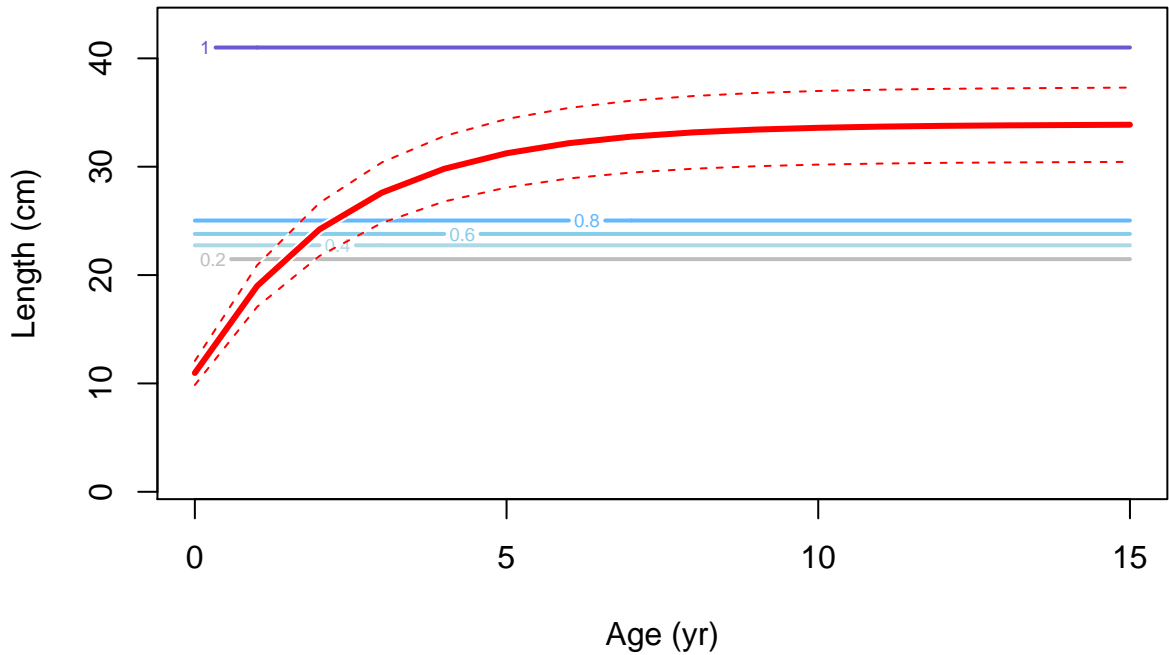


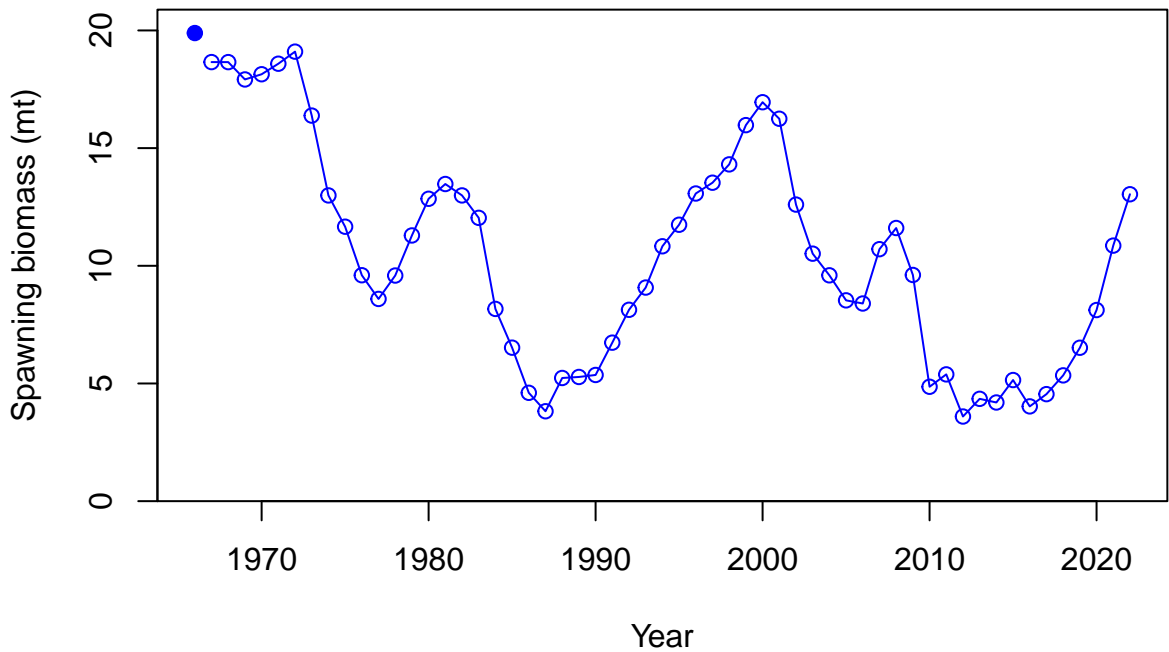
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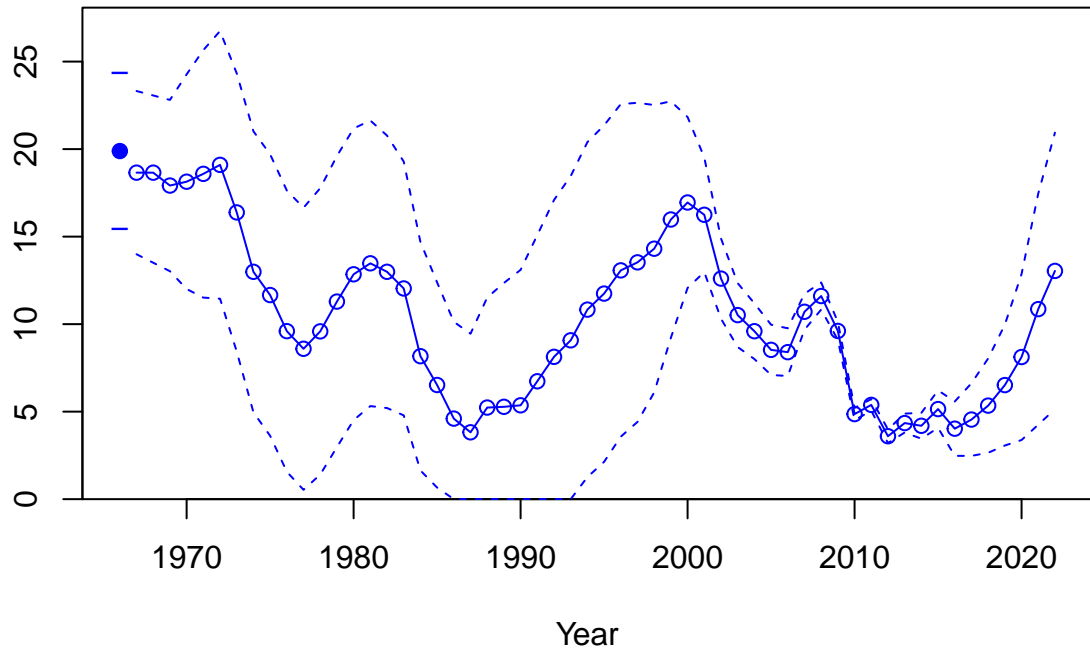
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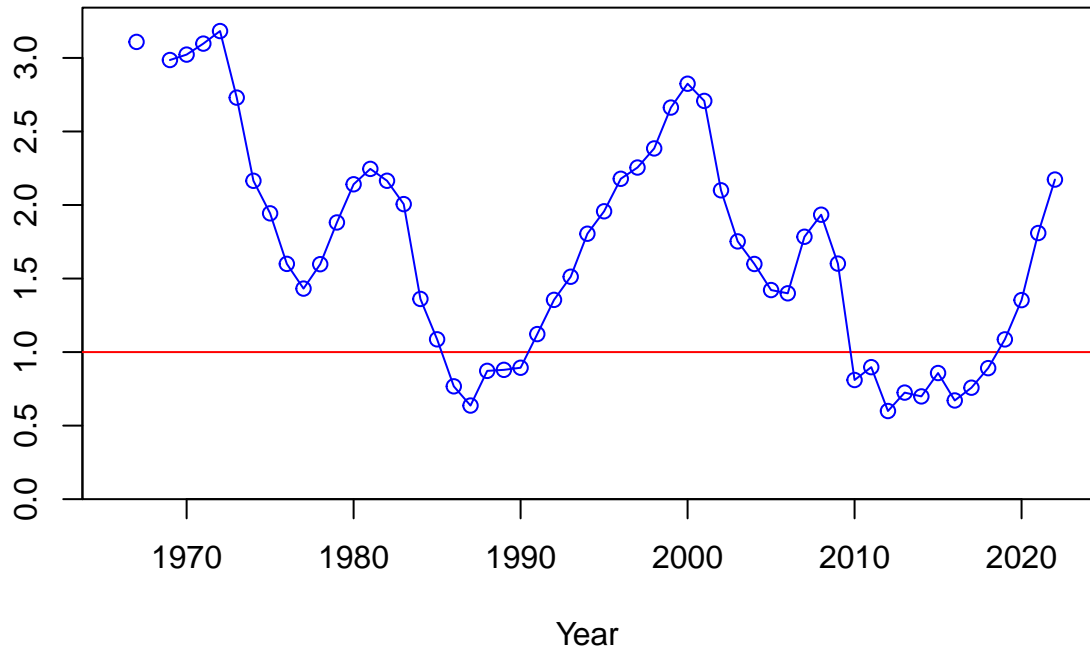




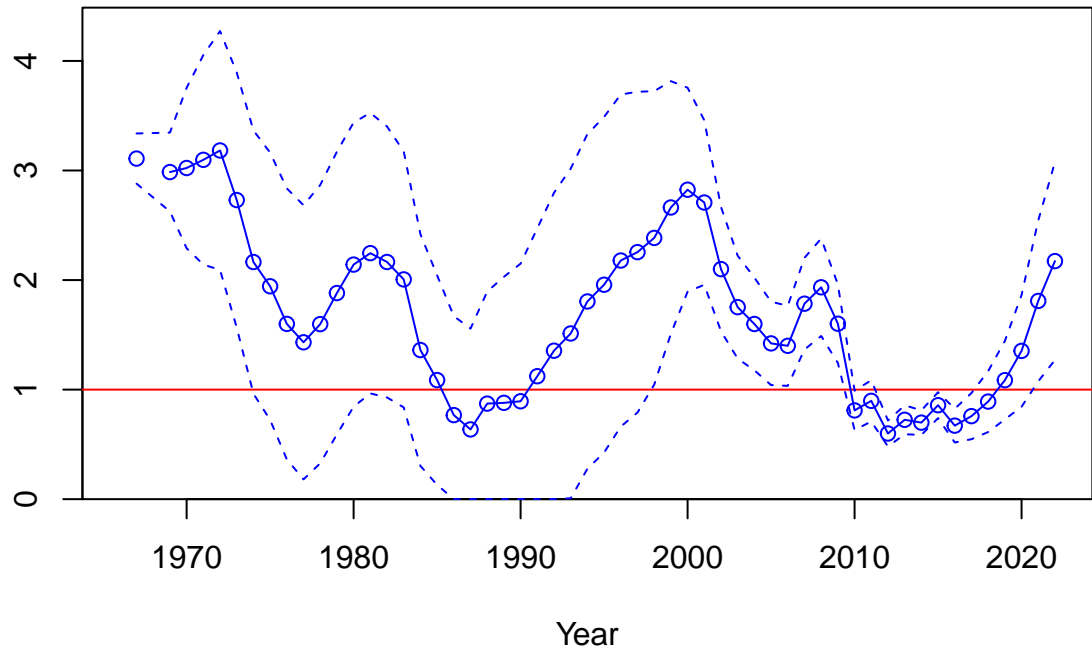
Spawning biomass (mt)

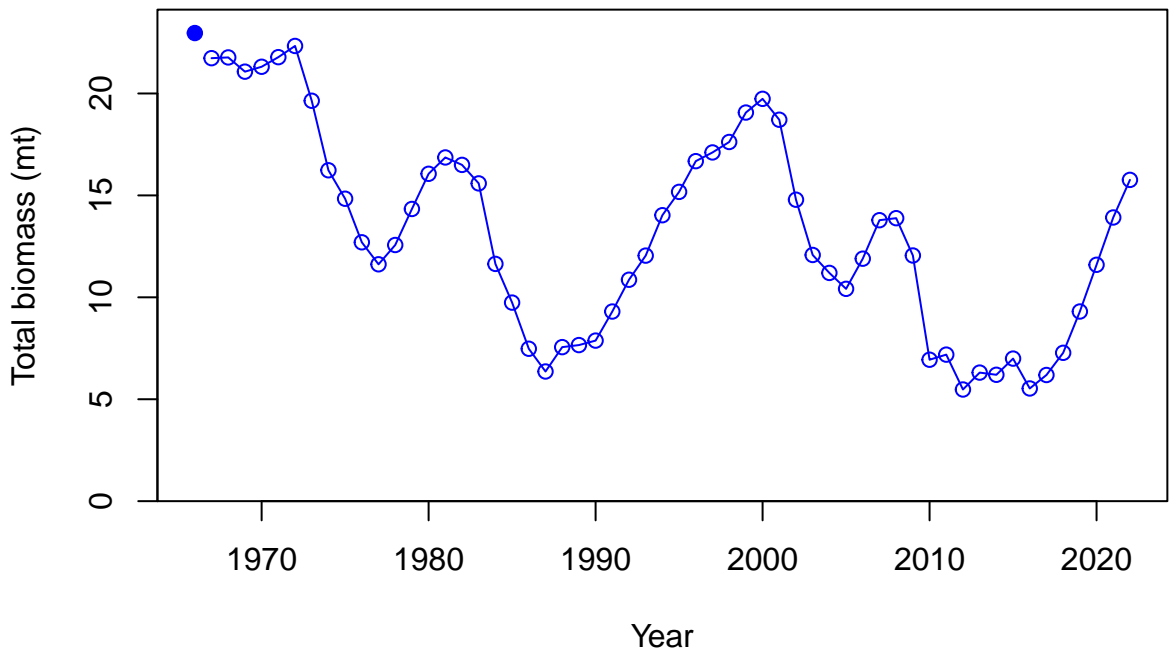


Relative spawning biomass:  $B/B_{MSY}$



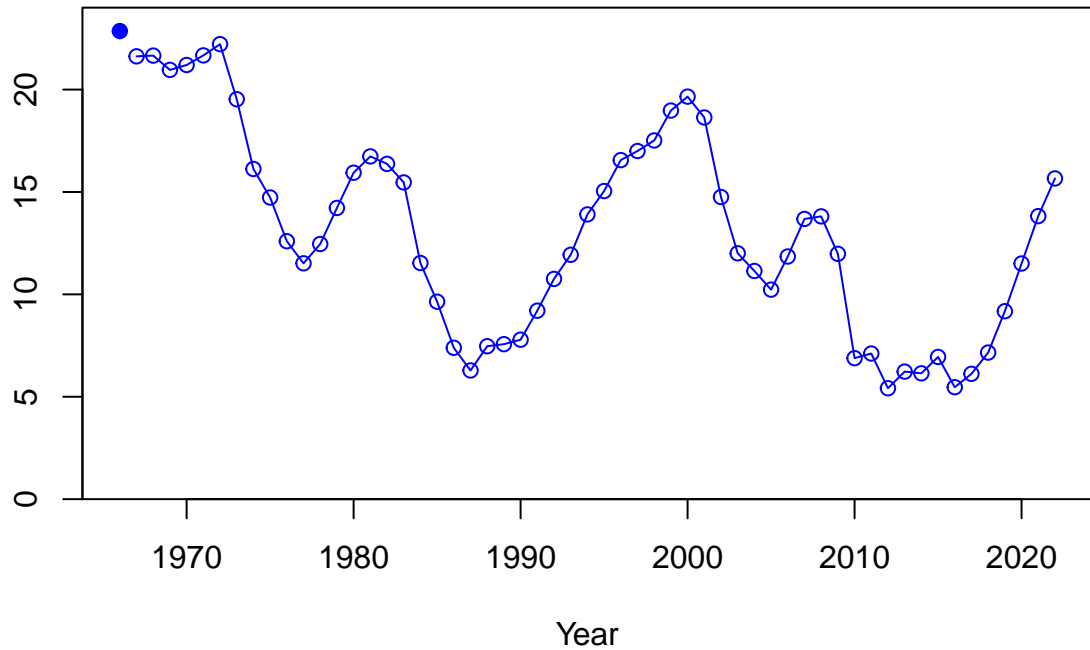
Relative spawning biomass:  $B/B_{MSY}$



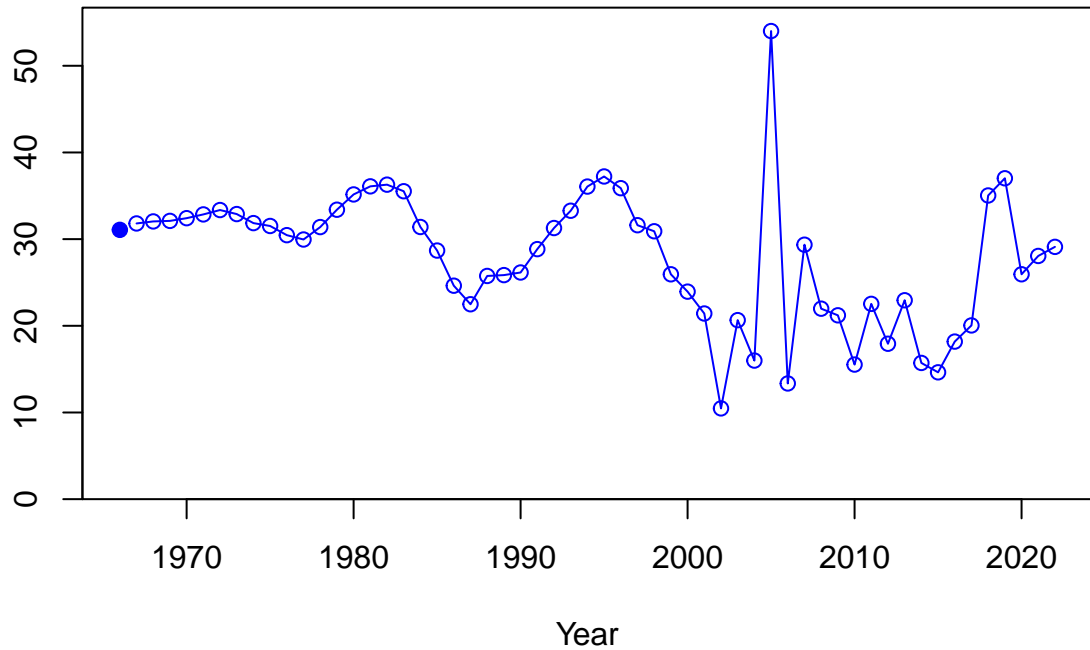




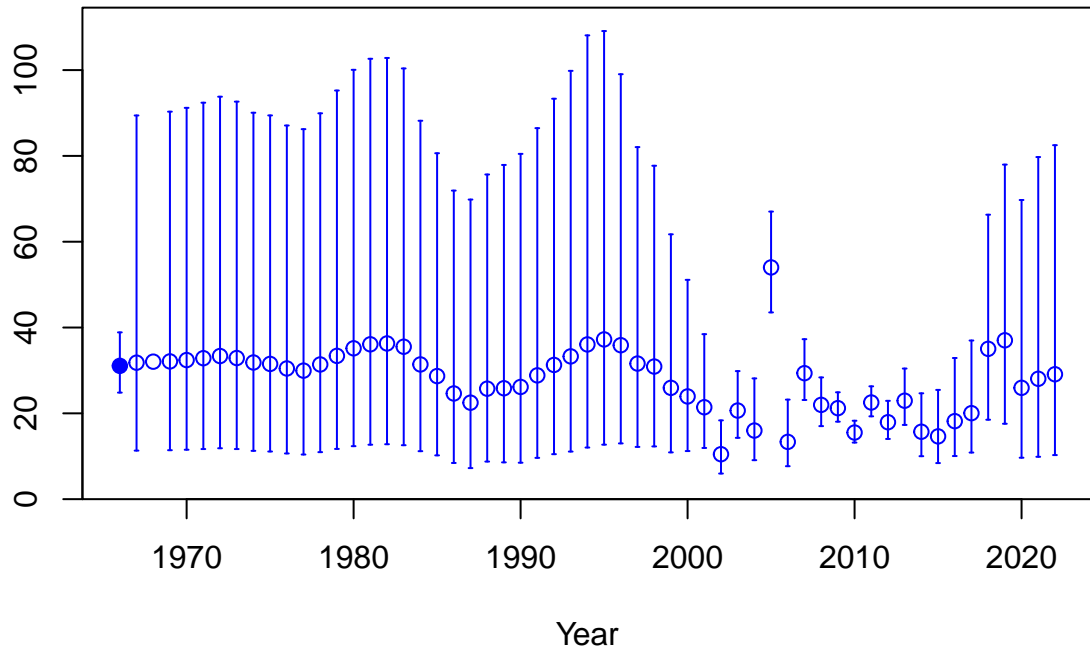
Summary biomass (mt)



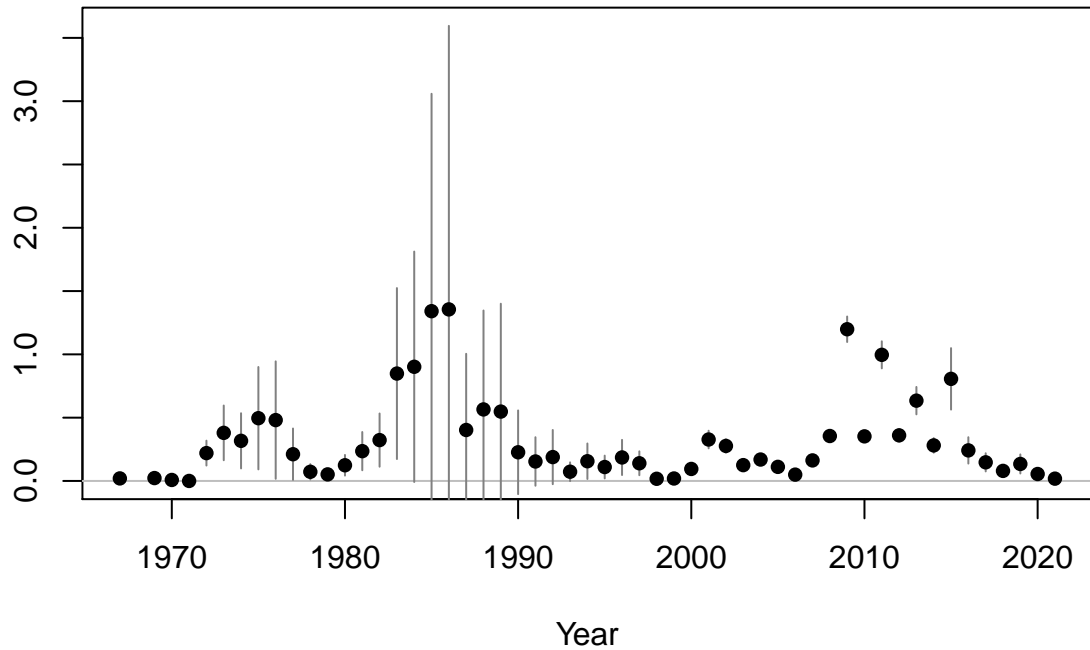
Age-0 recruits (1,000s)

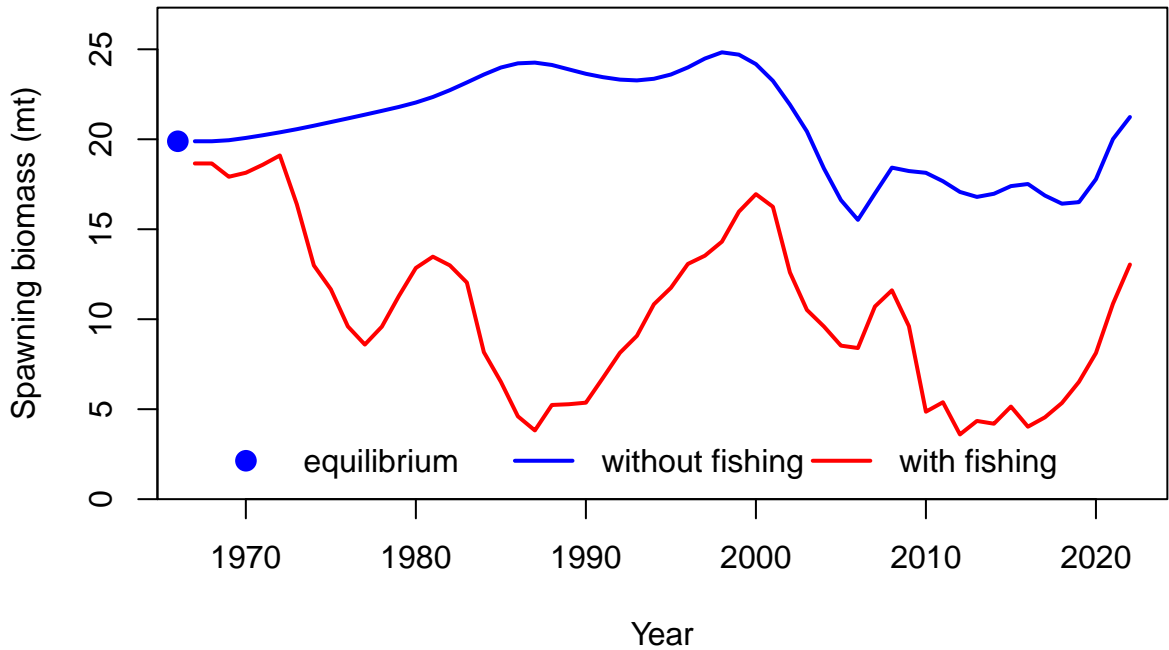


Age-0 recruits (1,000s)

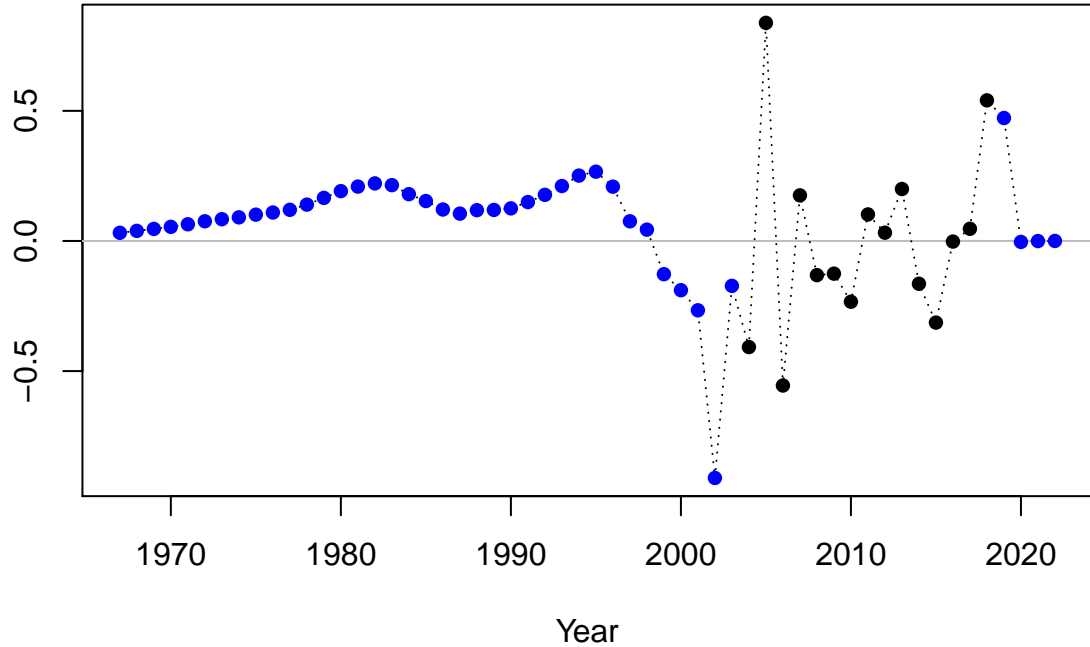


Summary Fishing Mortality

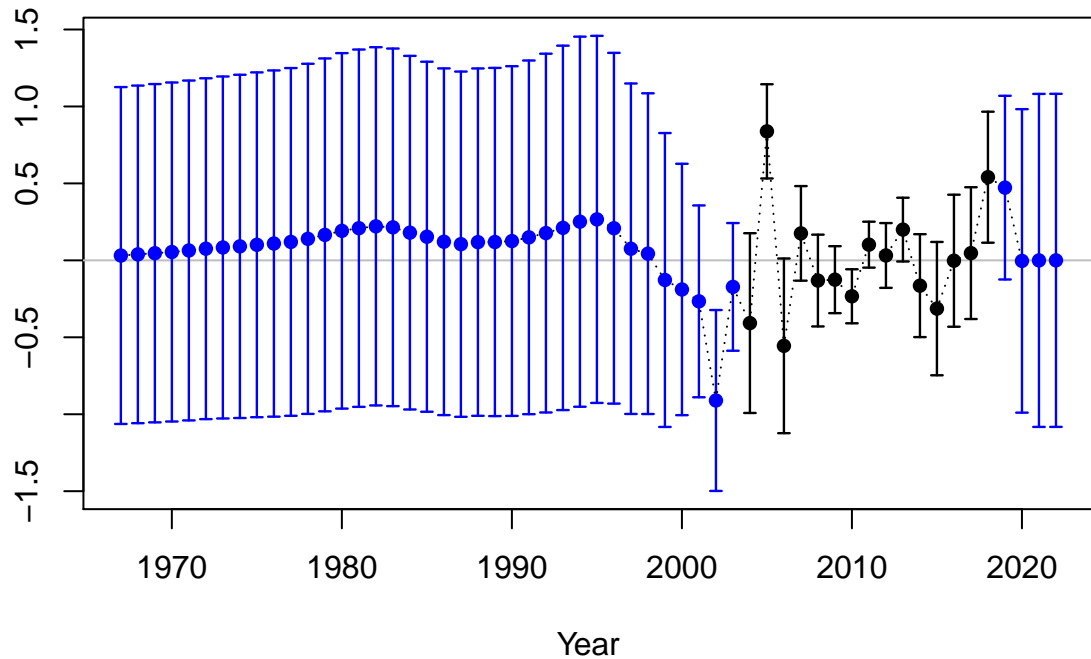




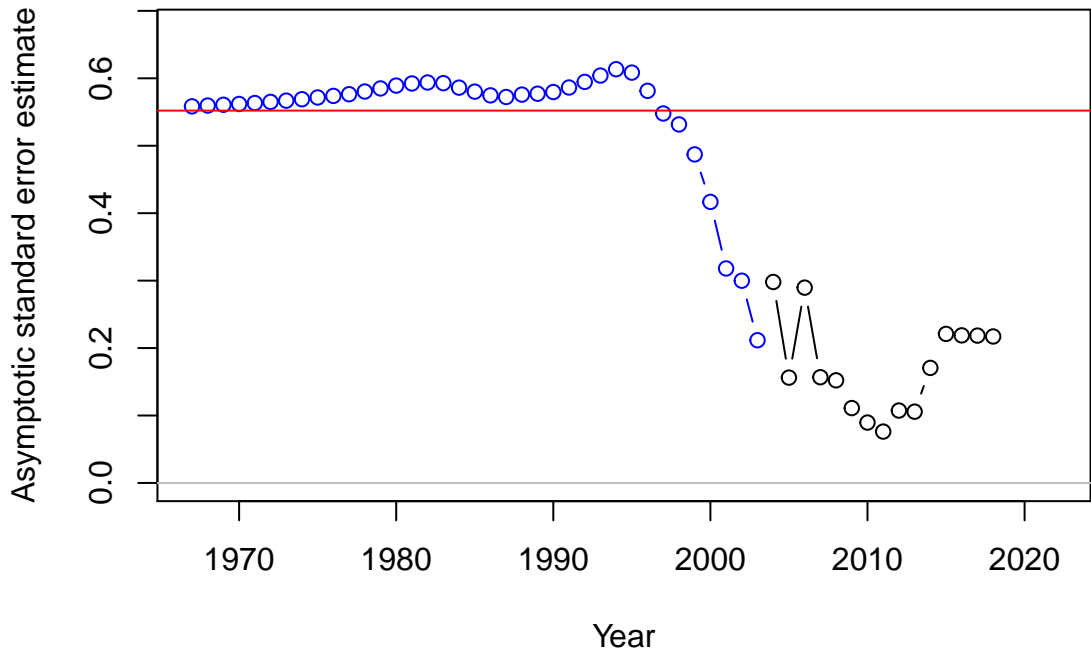
Log recruitment deviation



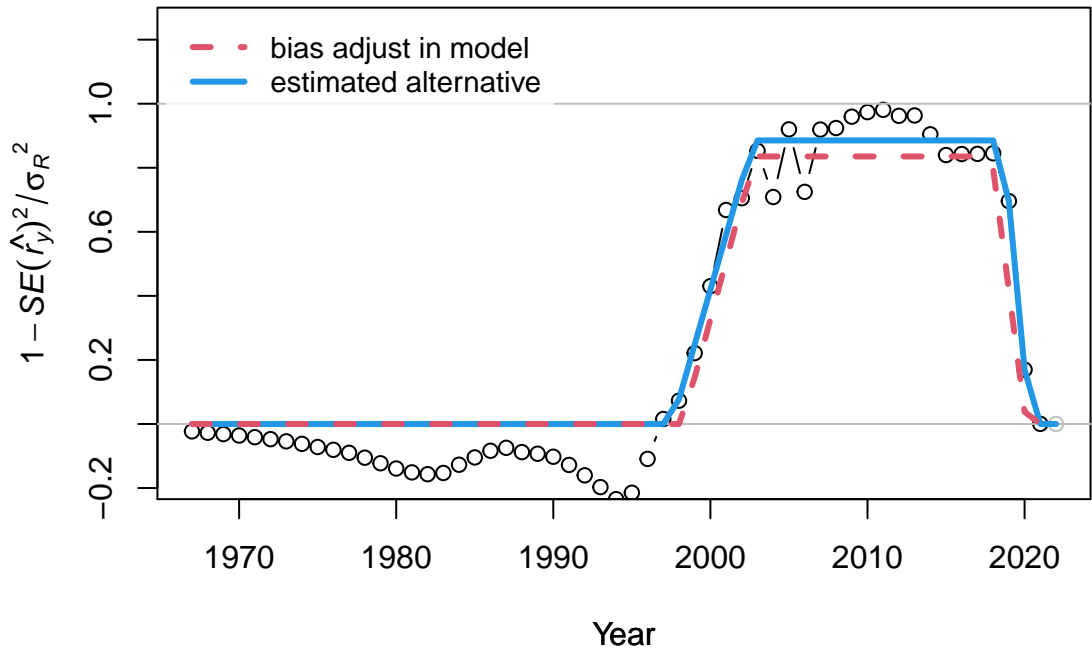
Log recruitment deviation

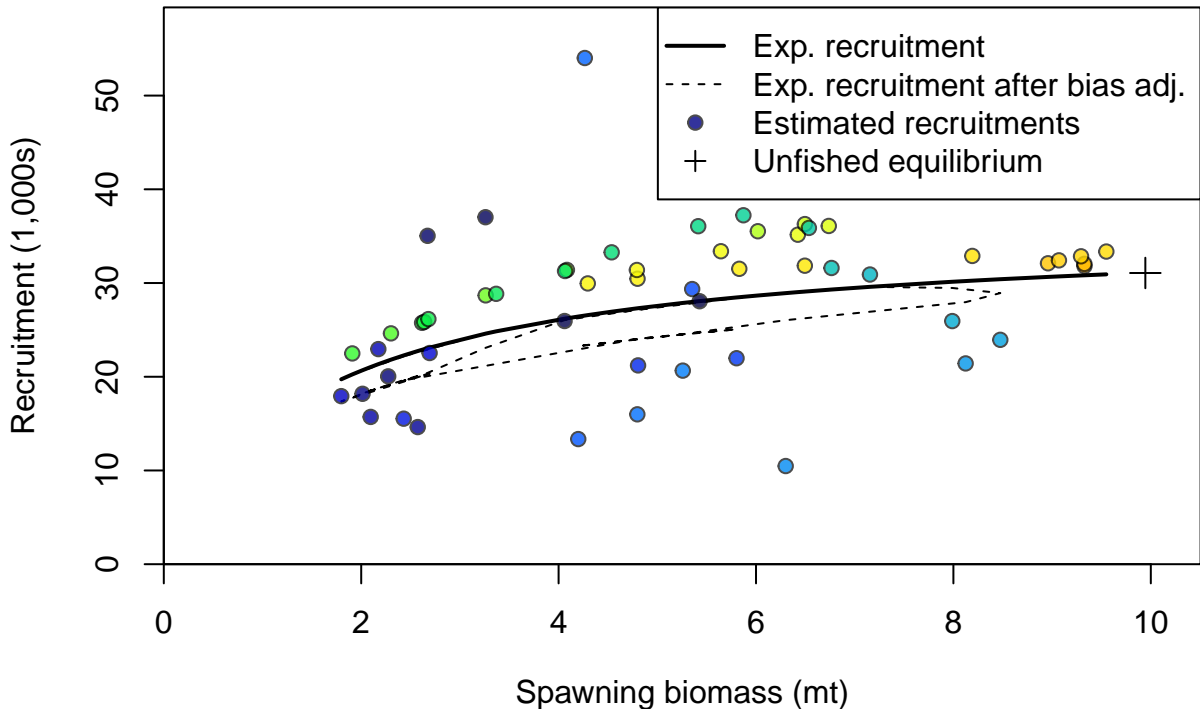


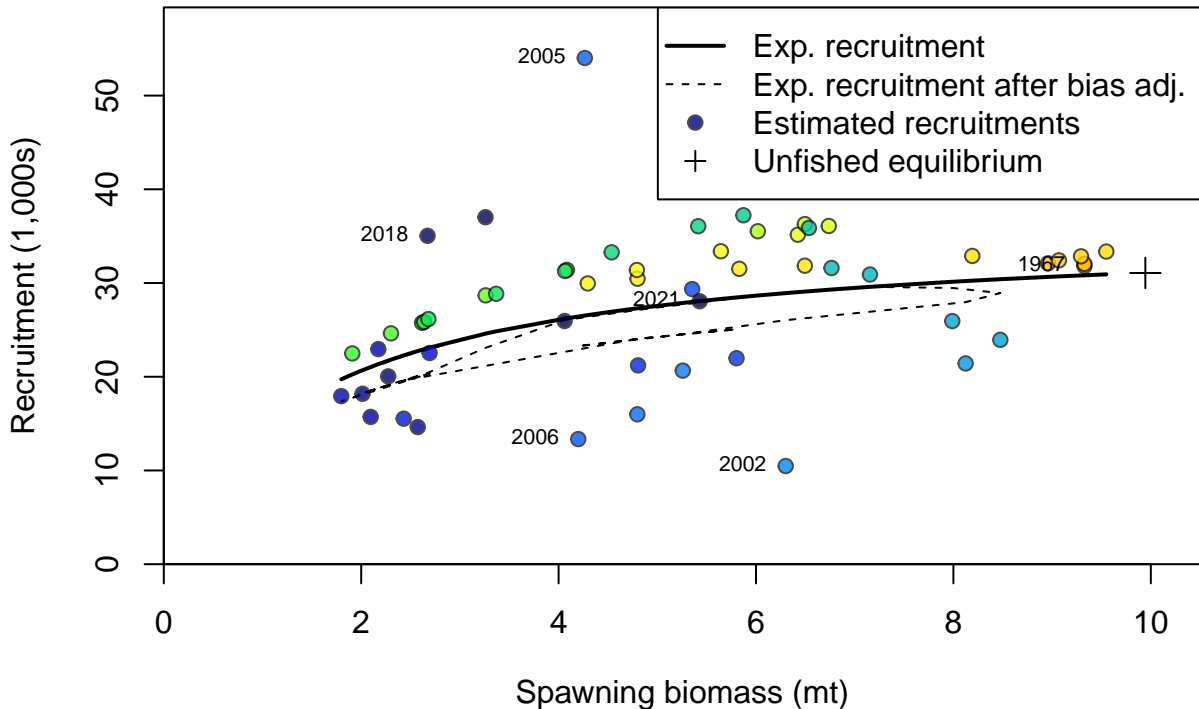
## Recruitment deviation variance



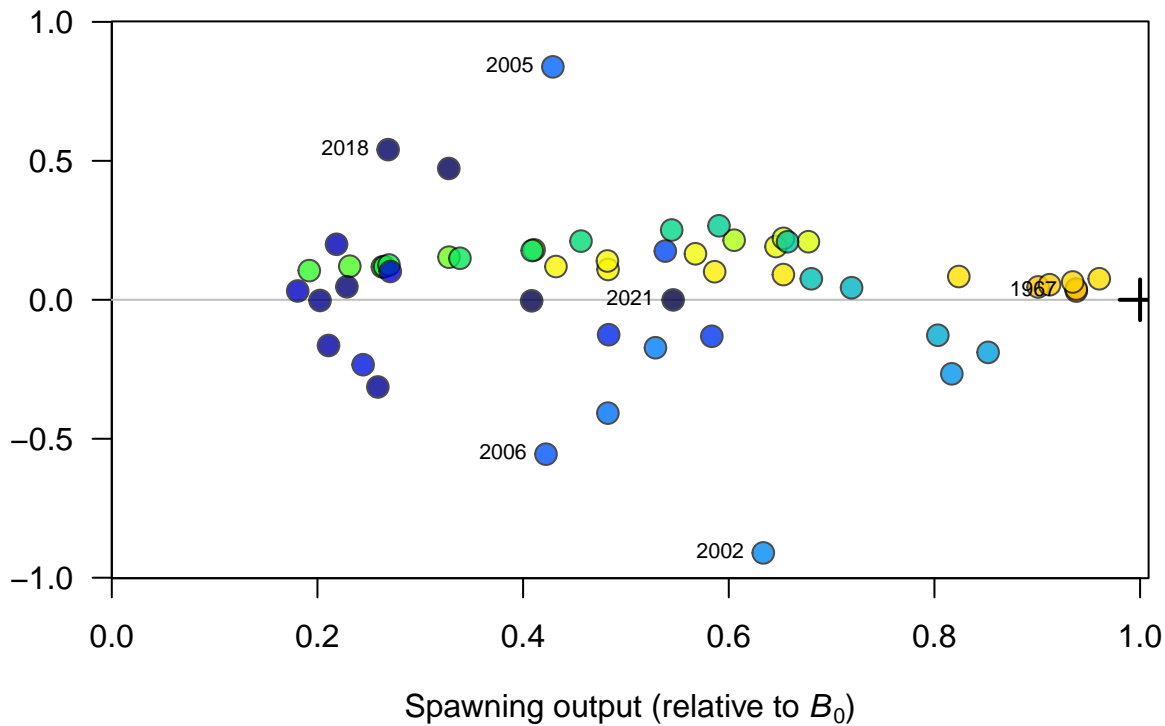


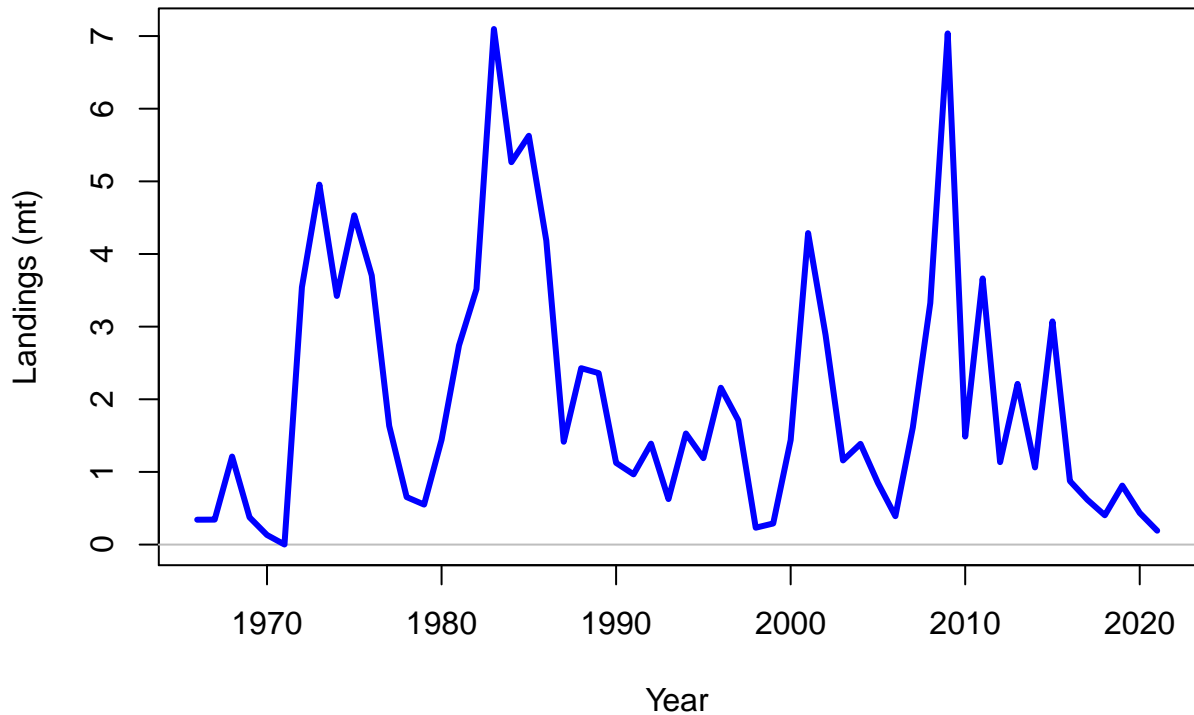


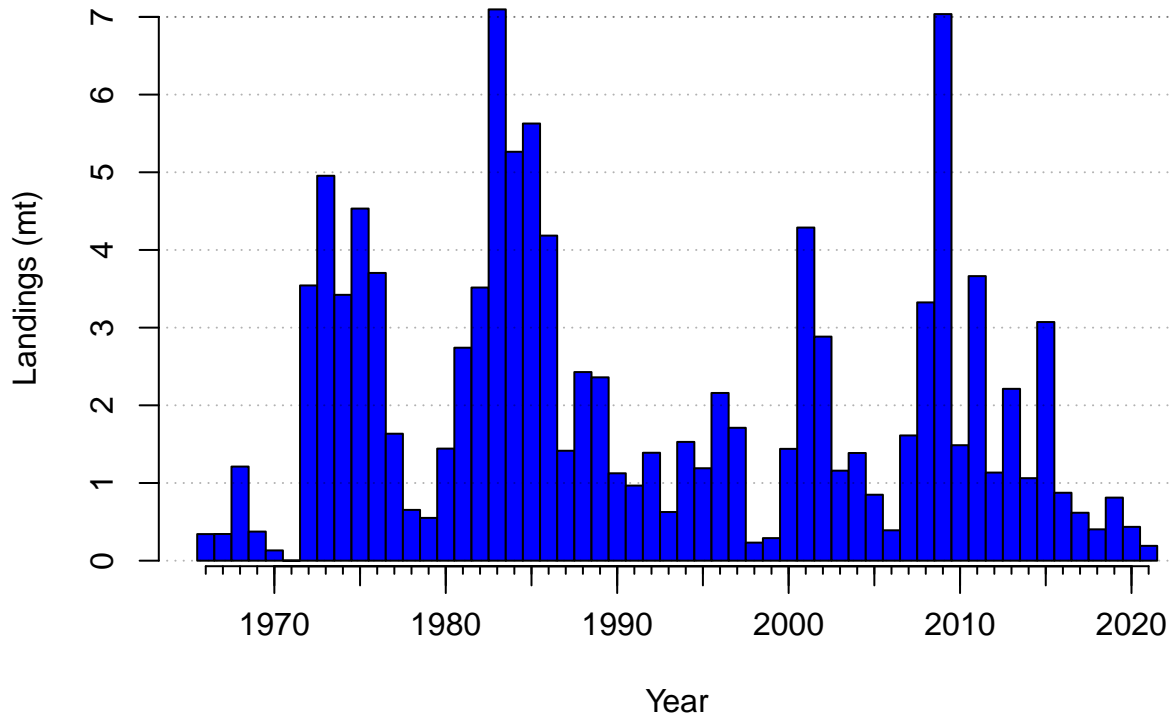


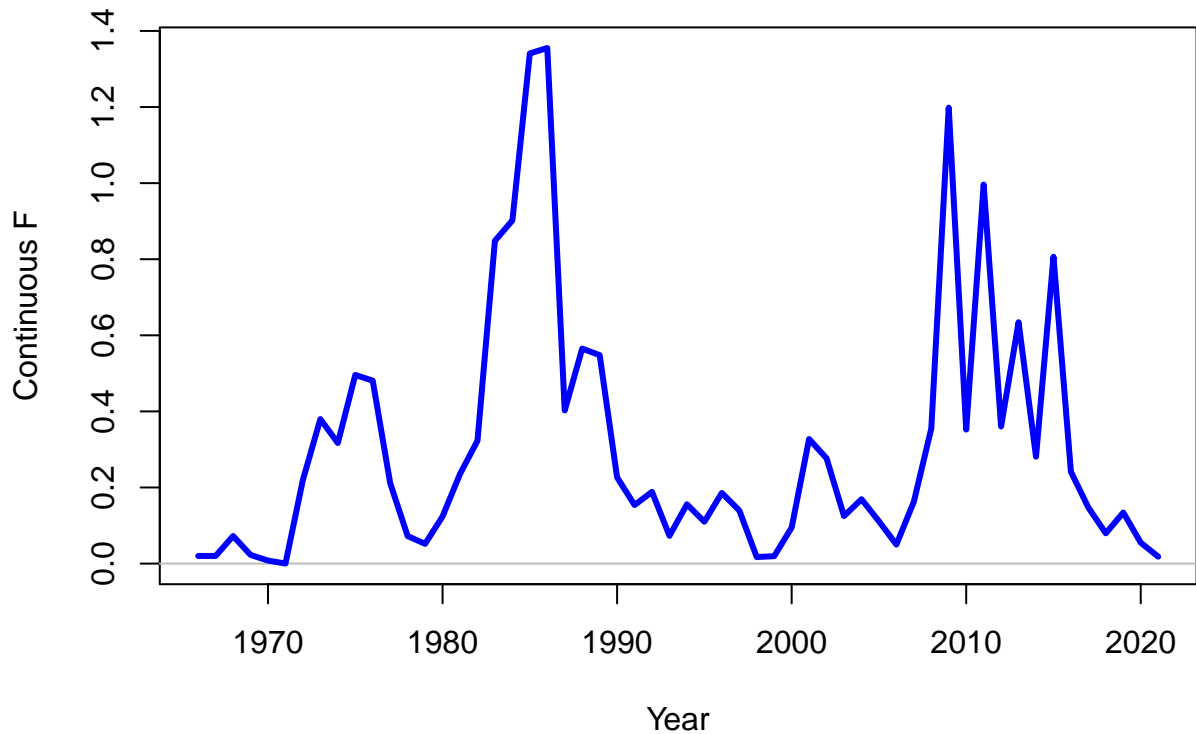


Log recruitment deviation

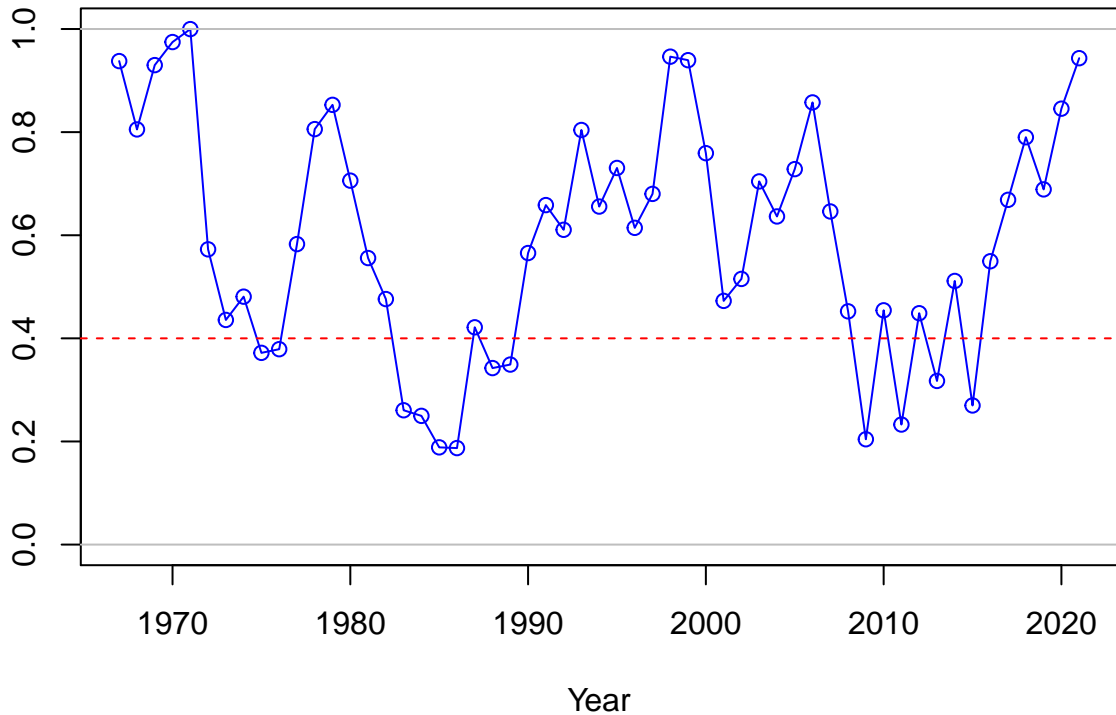




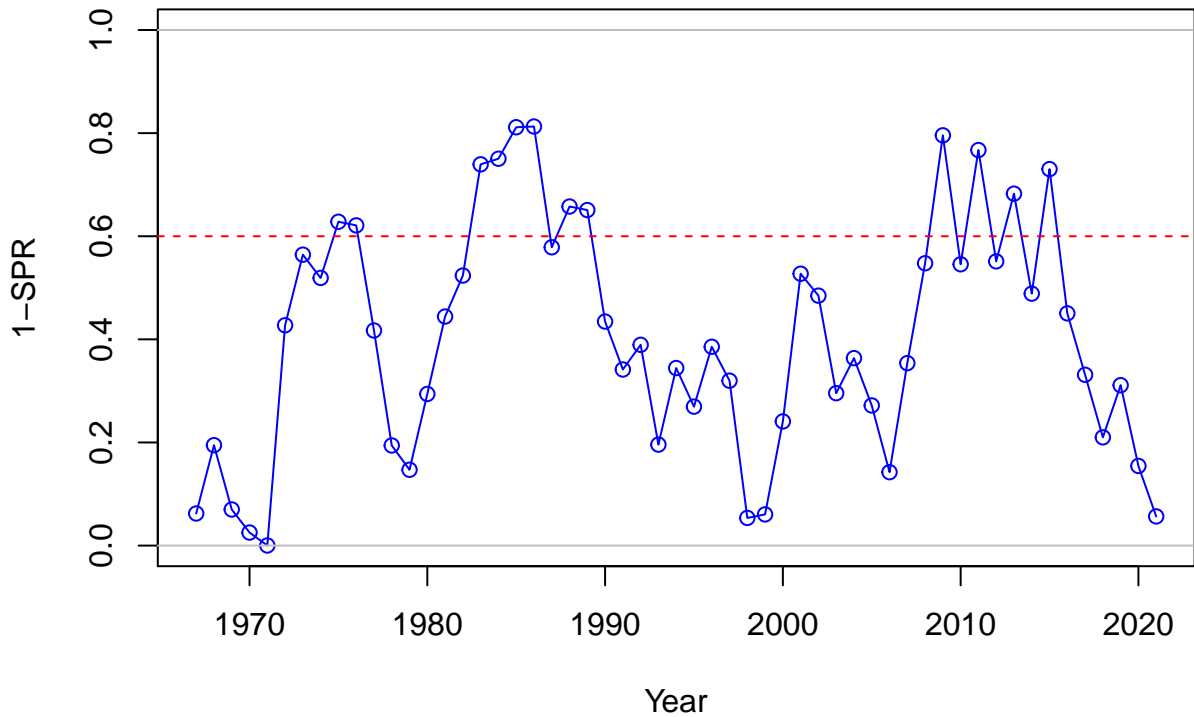




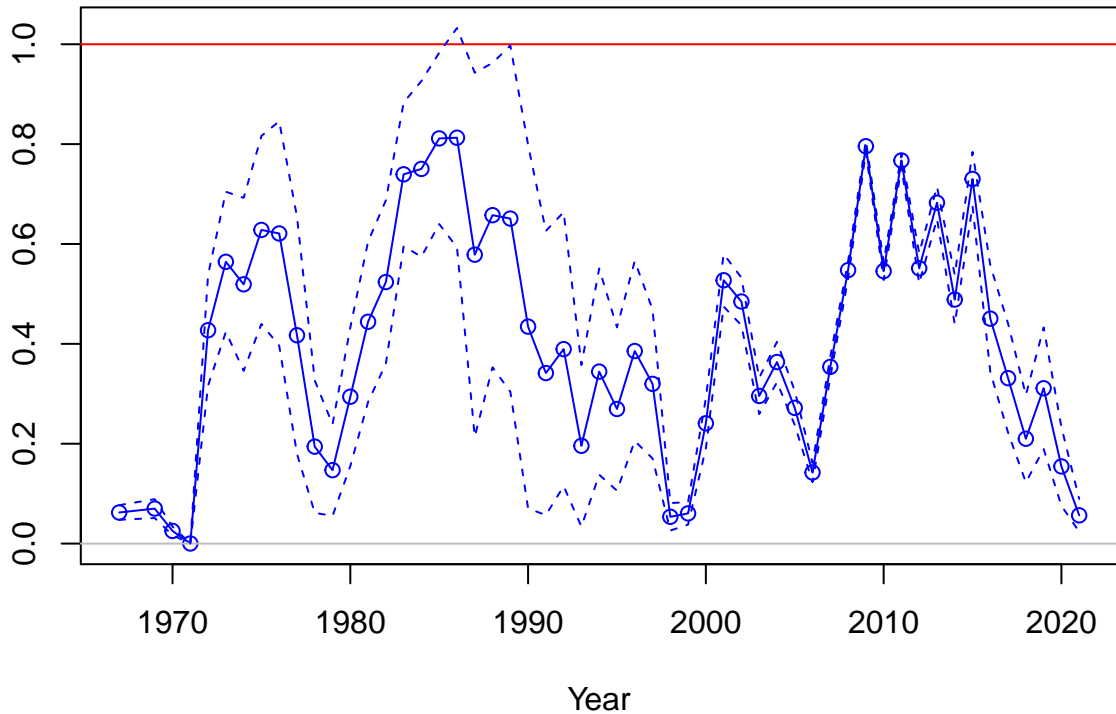
SPR



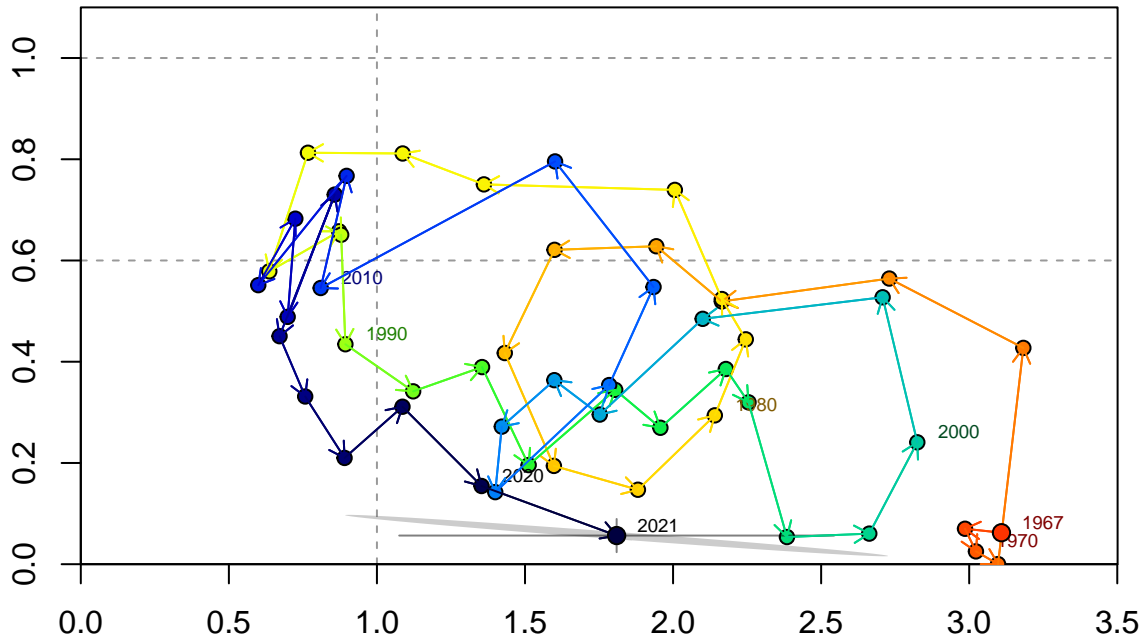




Fishing intensity: 1-SPR



Fishing intensity: 1-SPR



Relative spawning output: B/B<sub>MSY</sub>

Index

14  
12  
10  
8  
6  
4  
2  
0

2016

2017

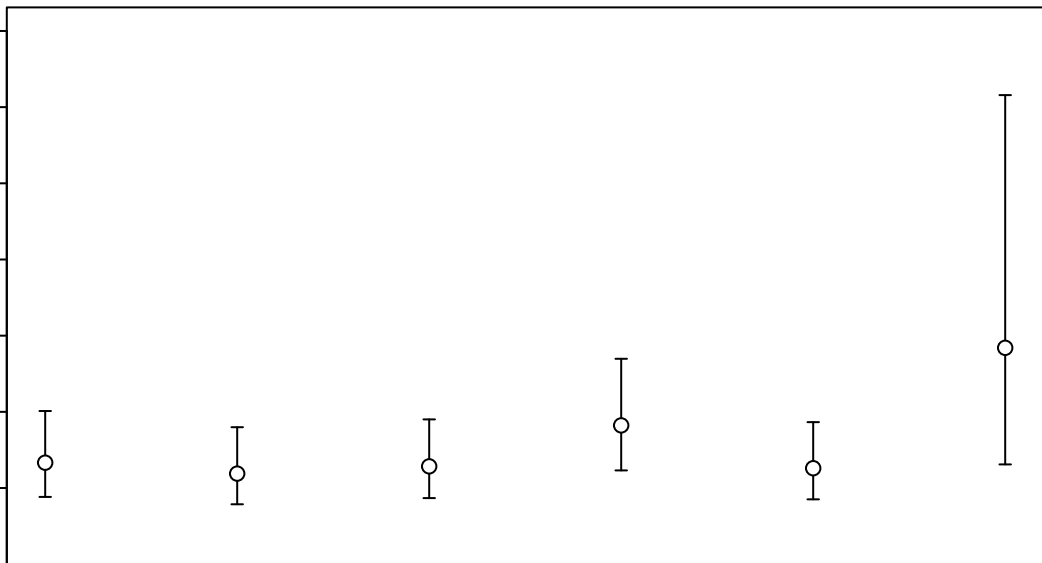
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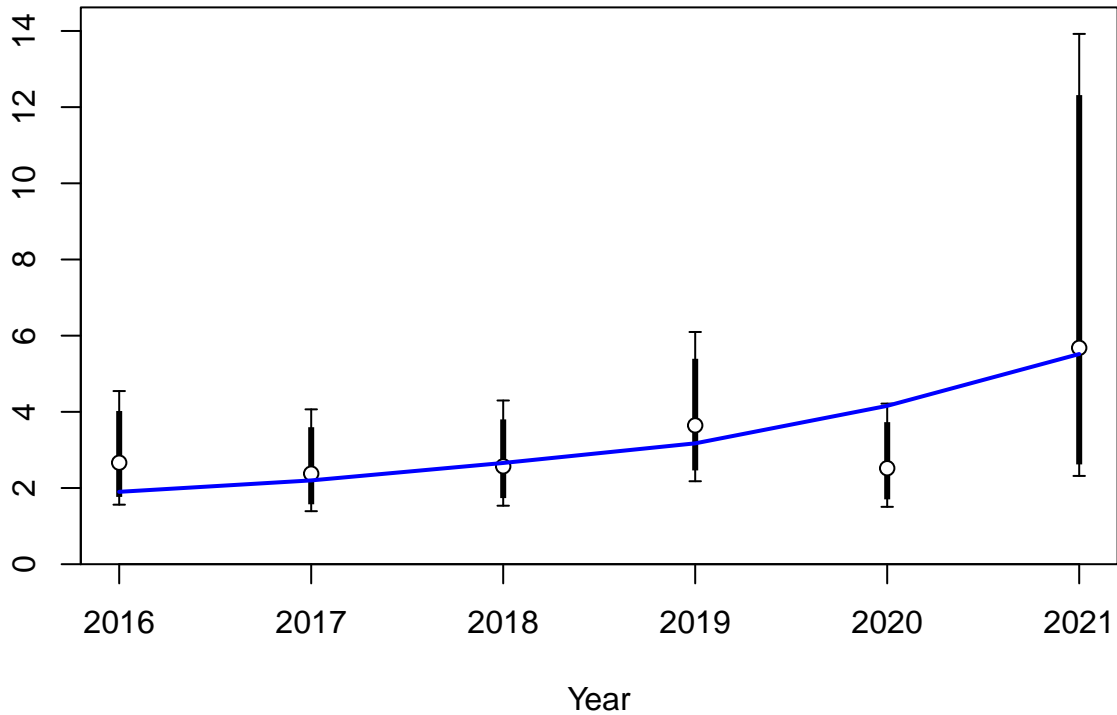
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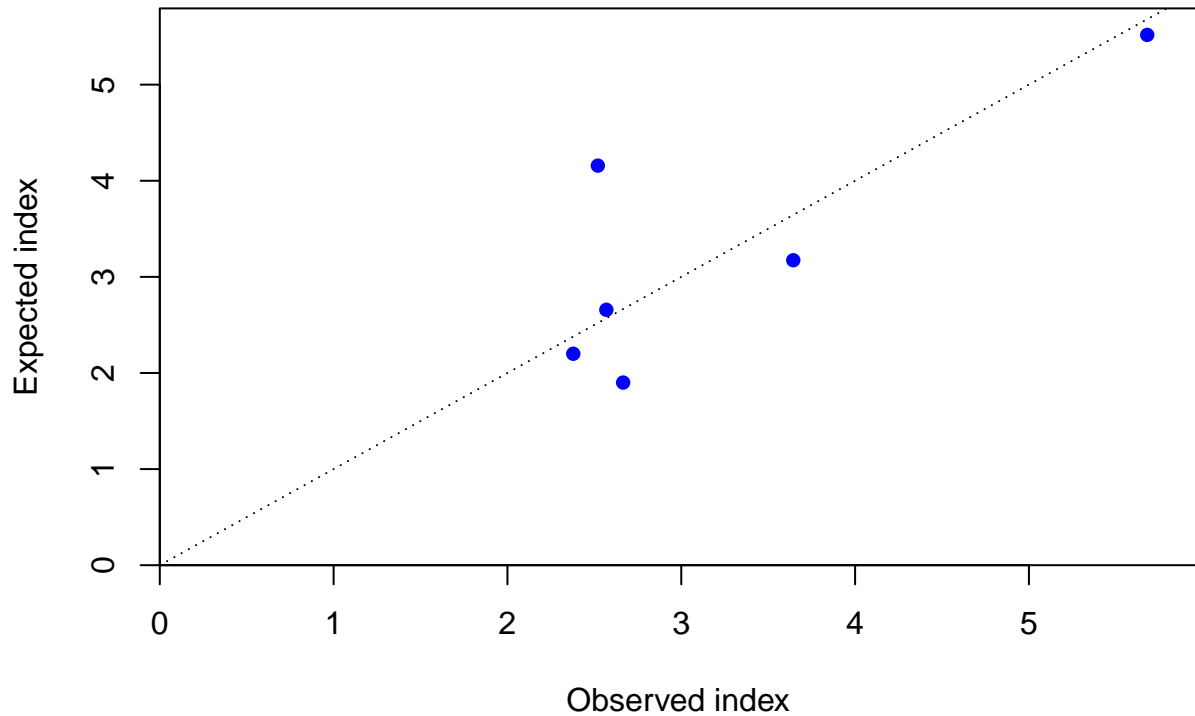
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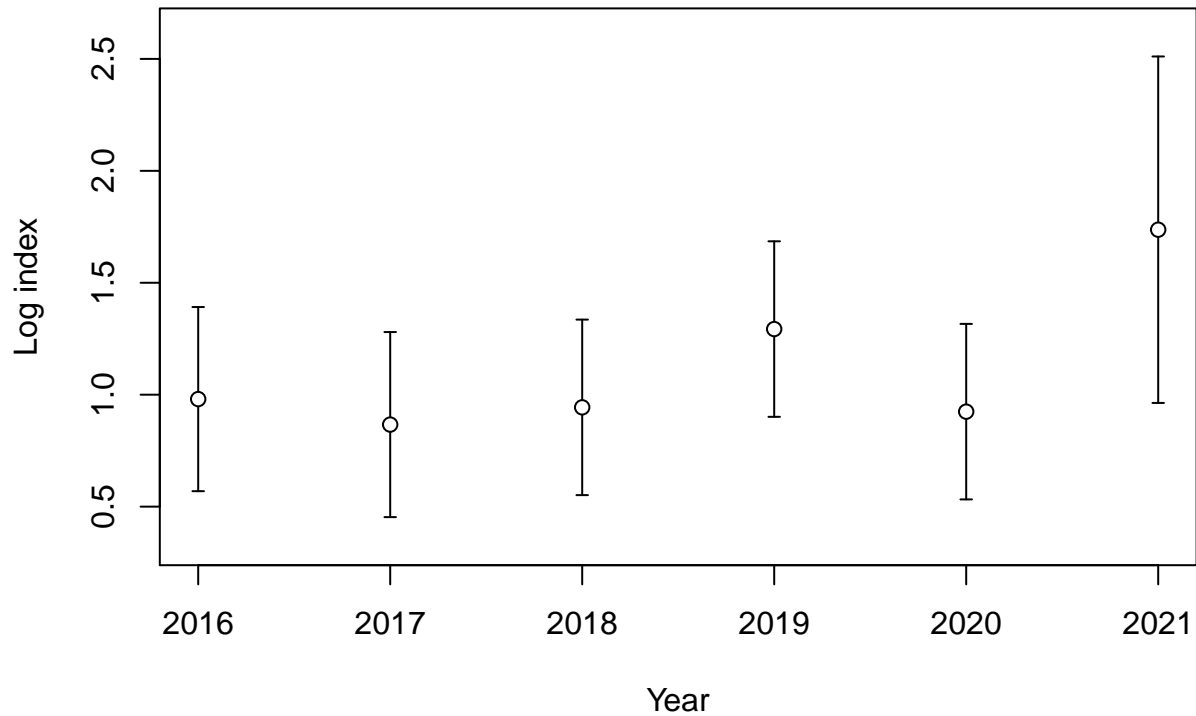
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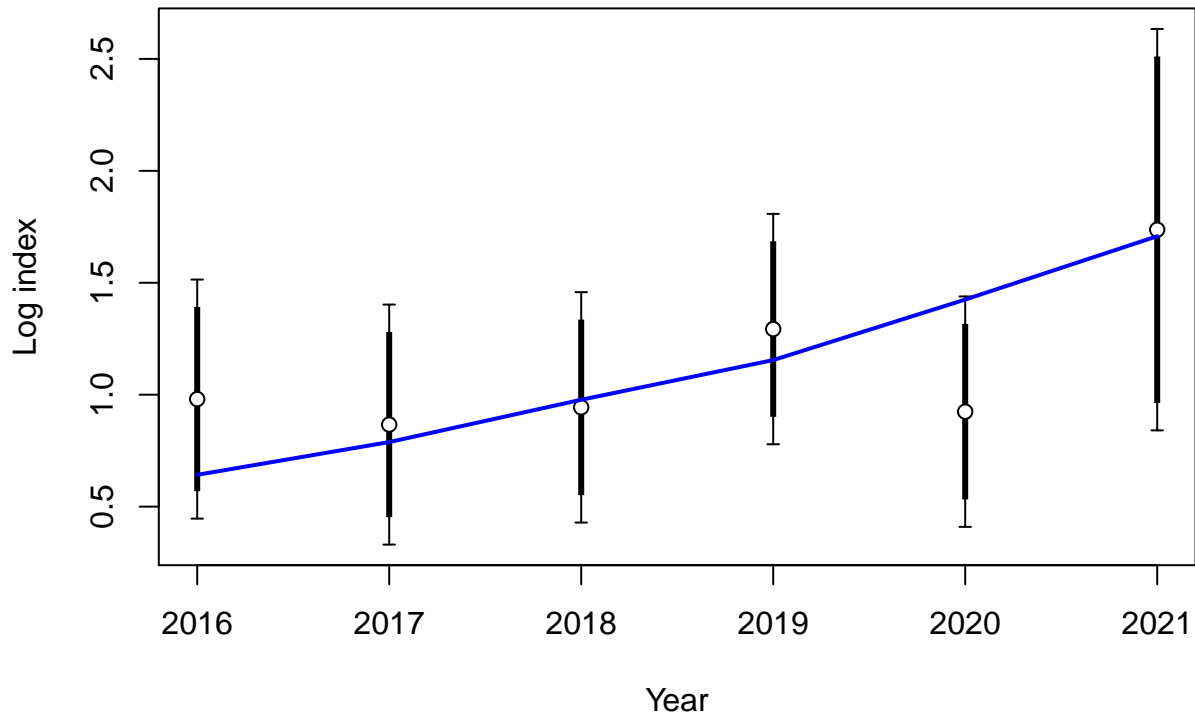


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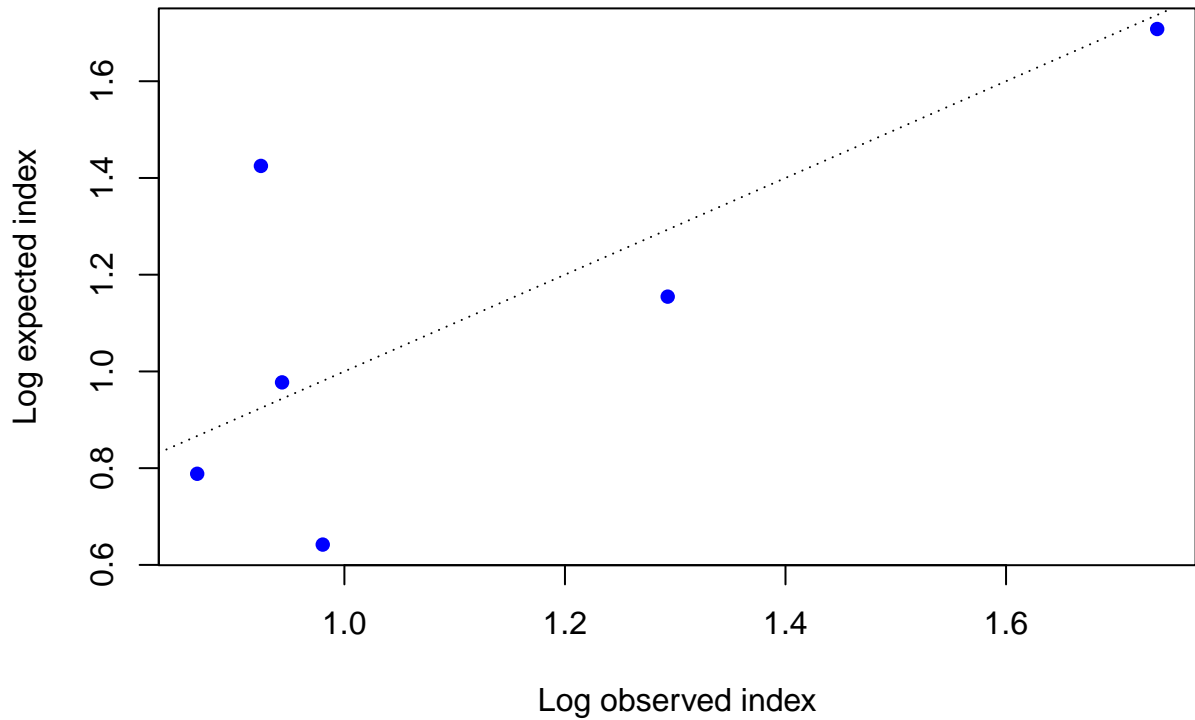




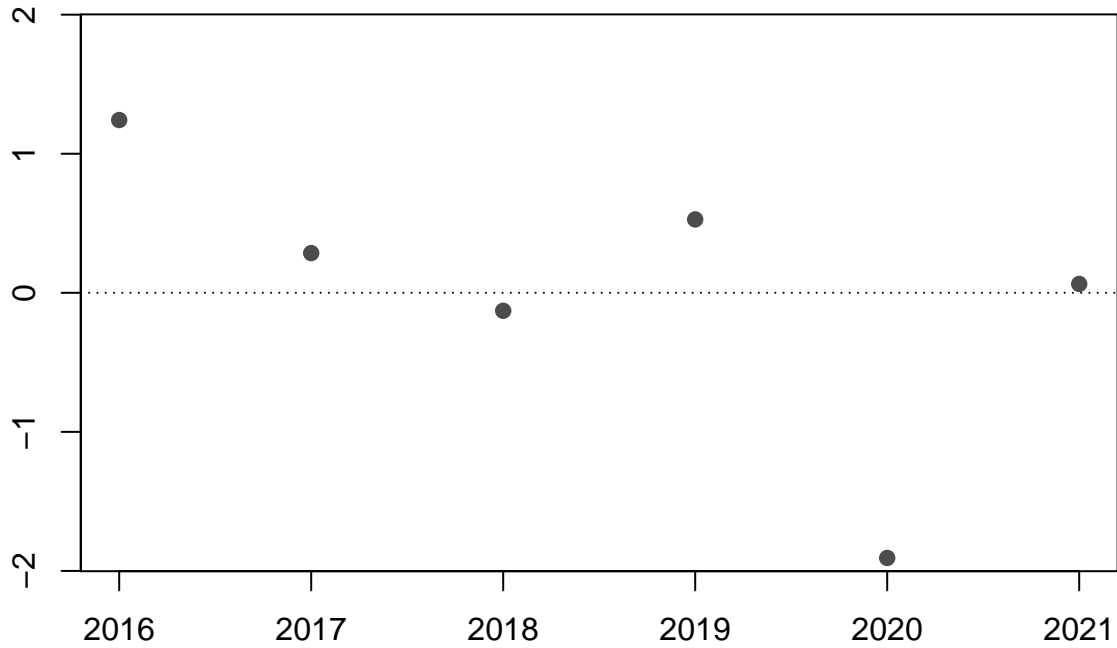




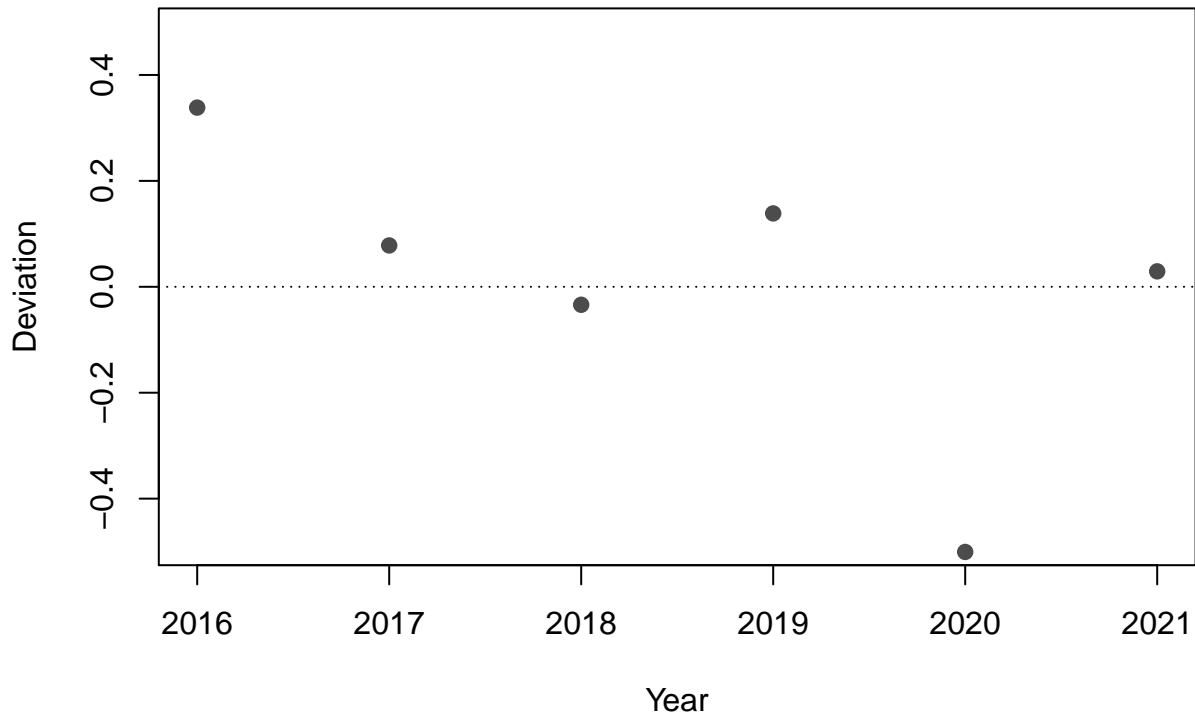


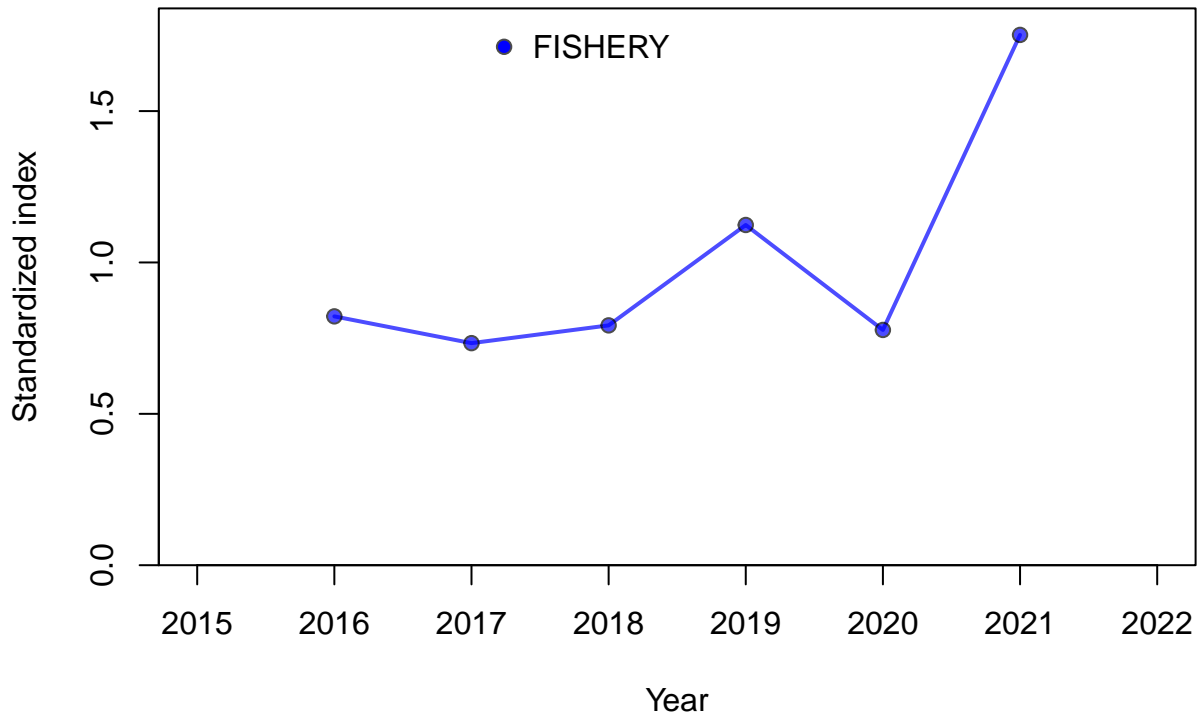


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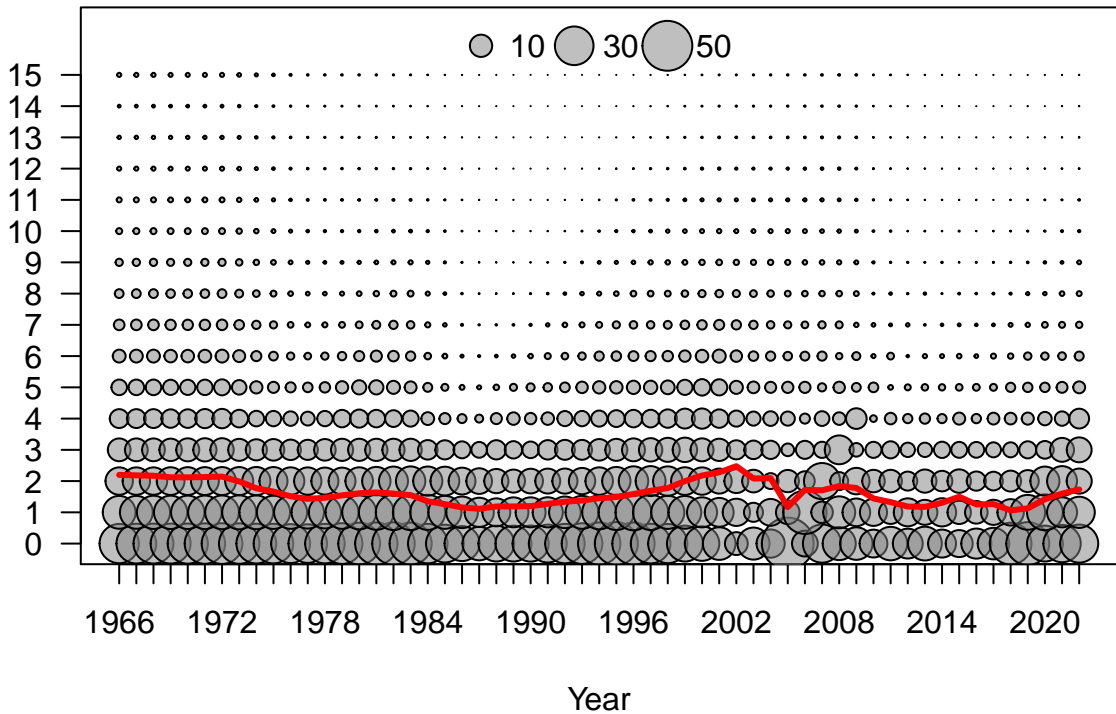


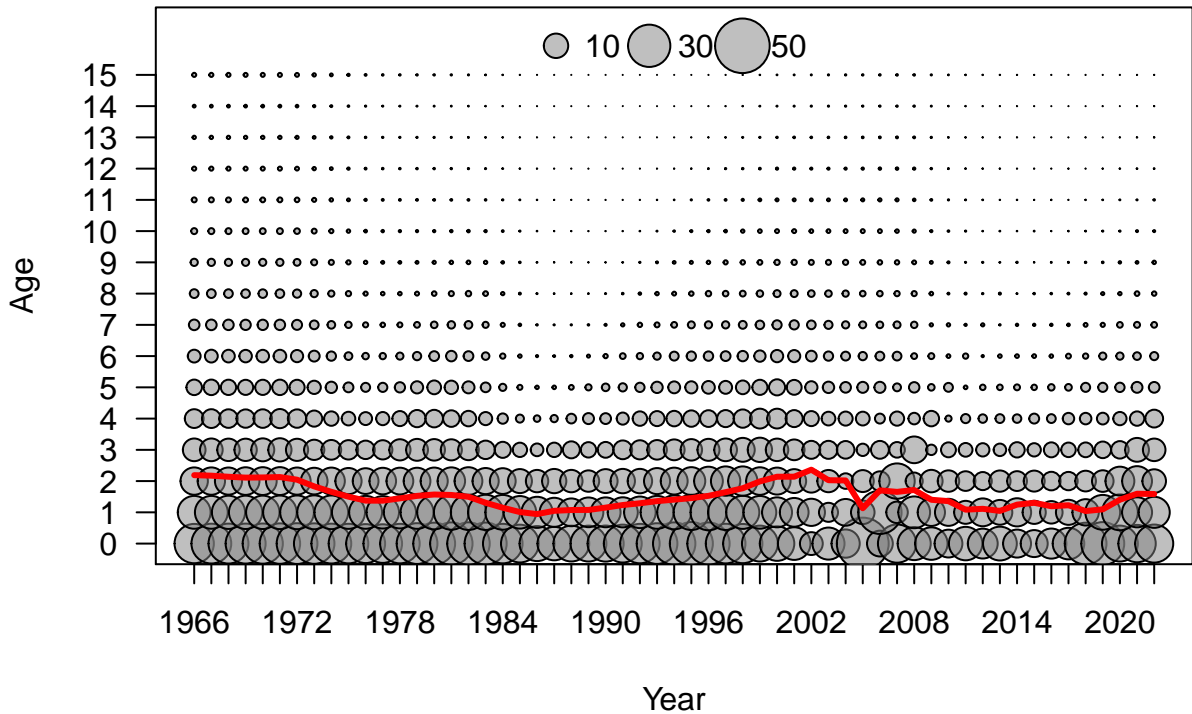
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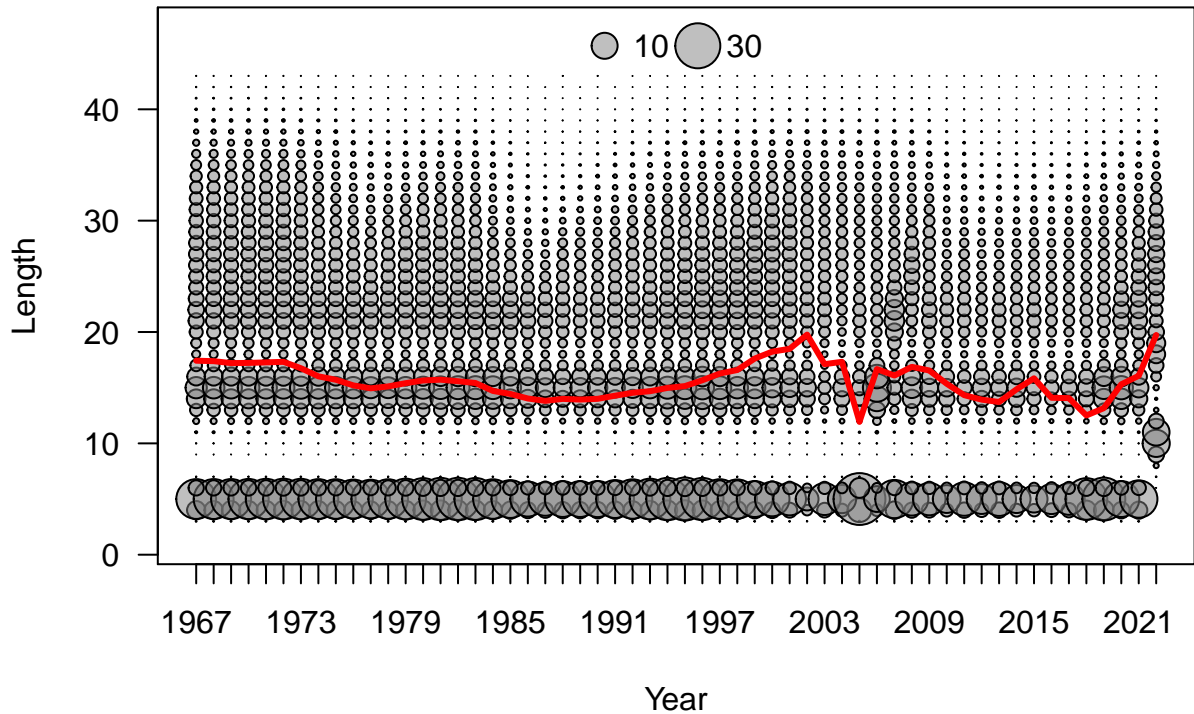


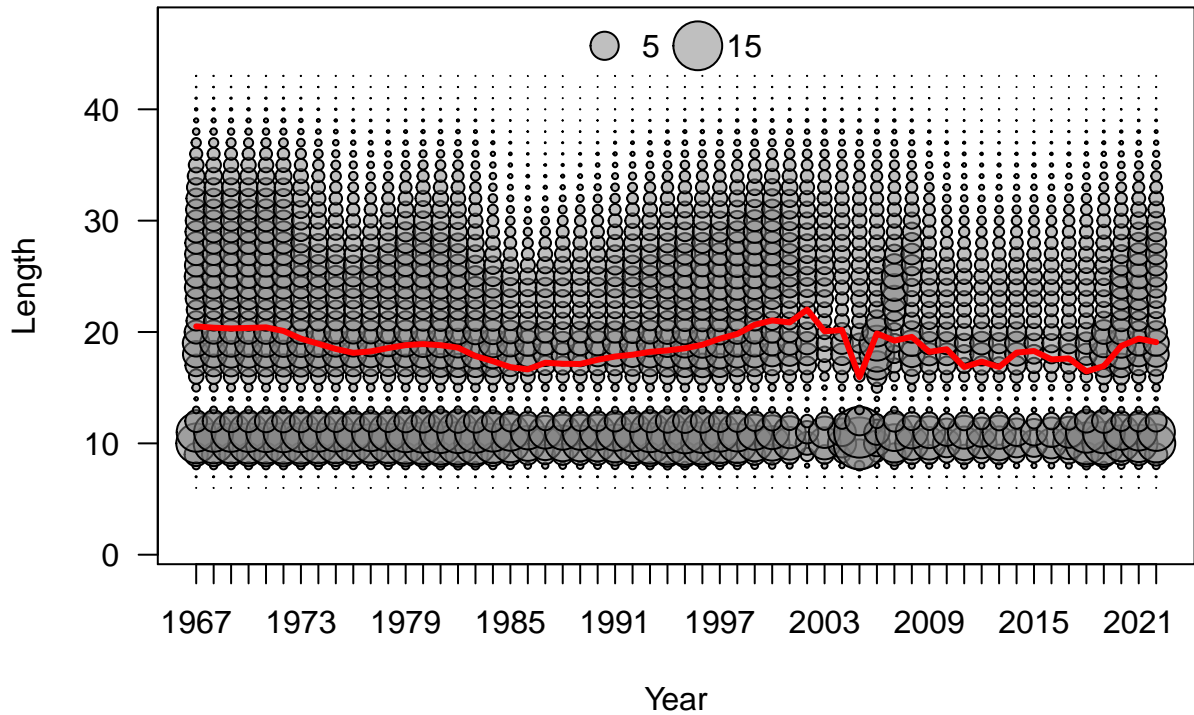


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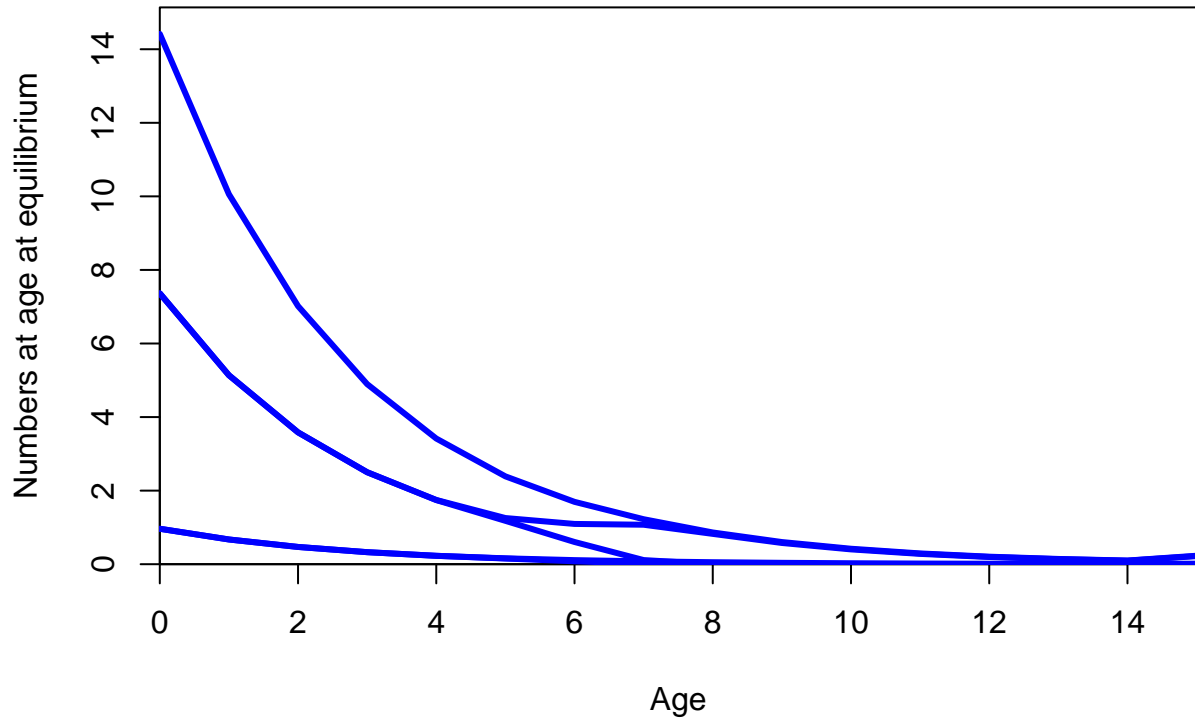






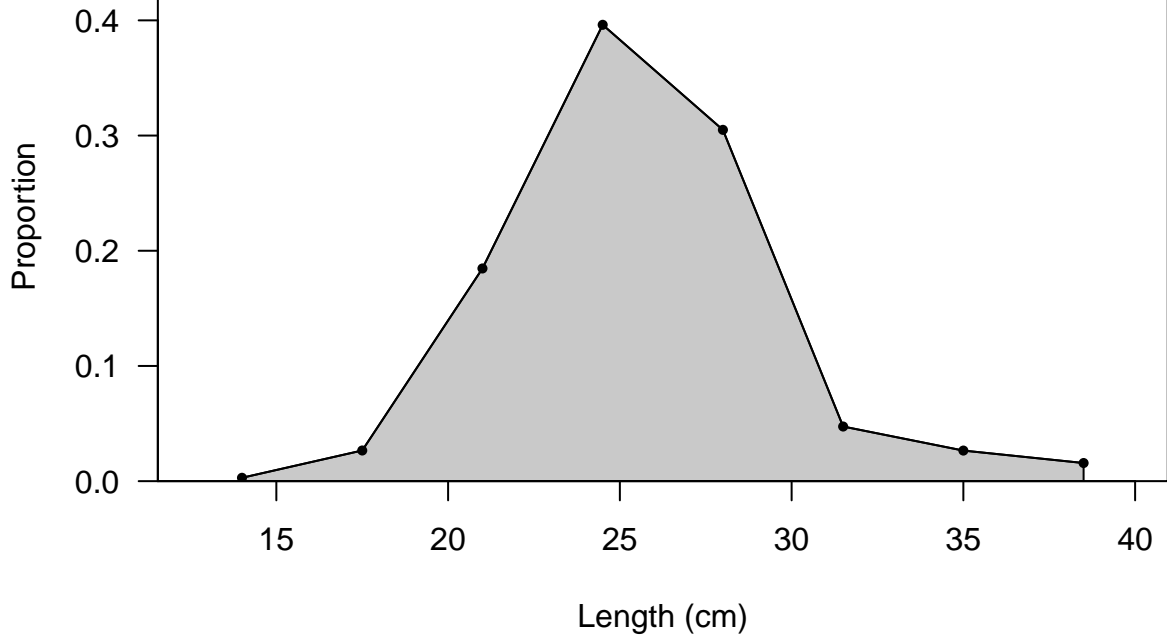


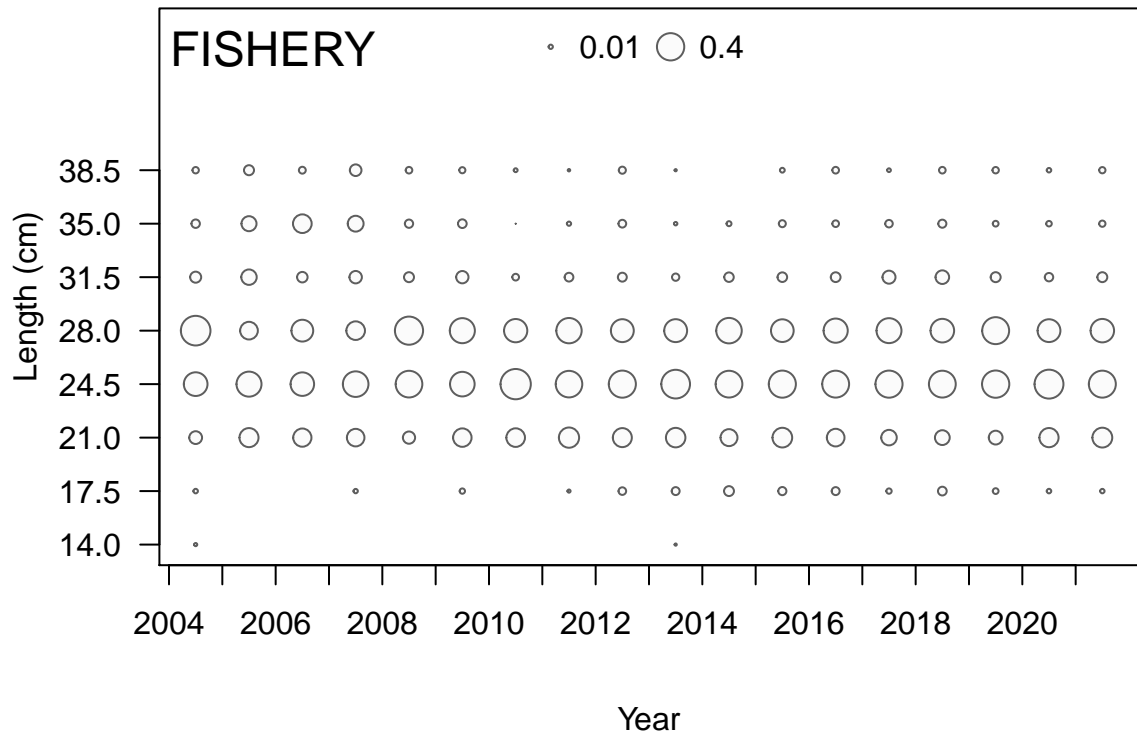




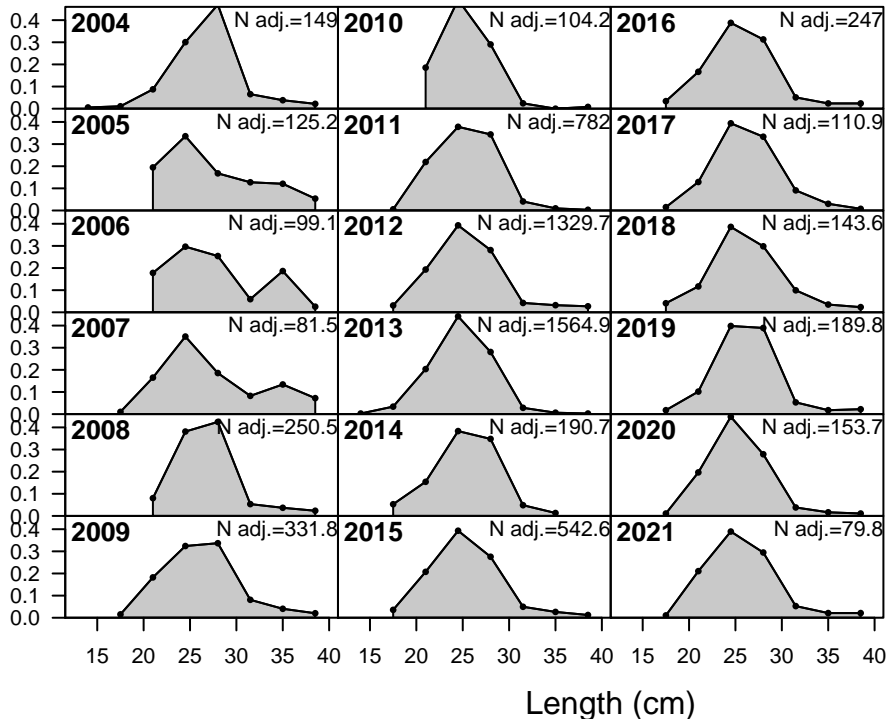
**FISHERY**

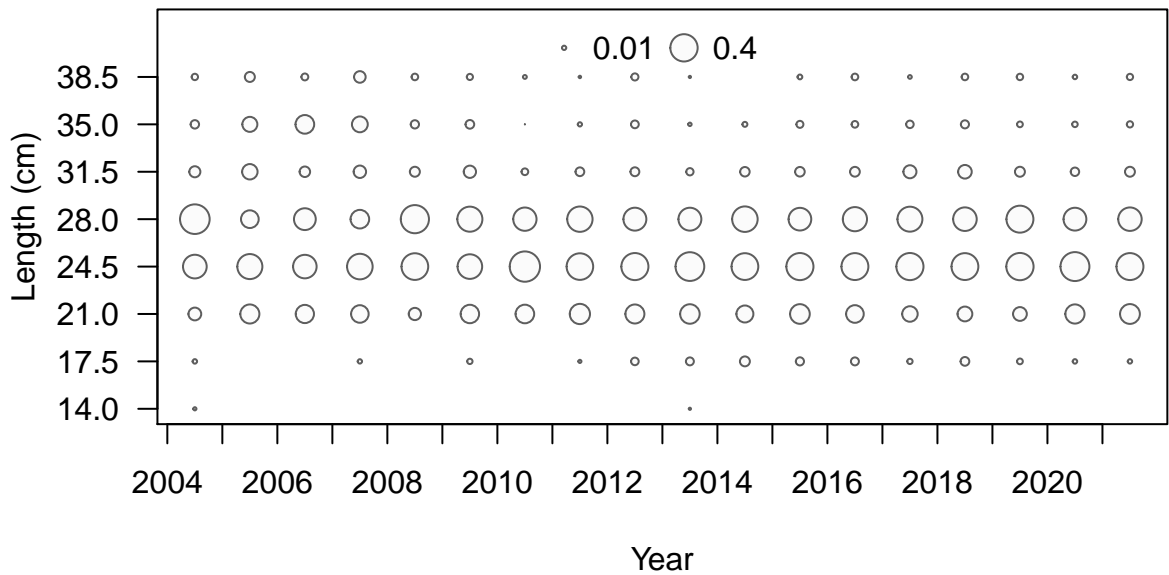
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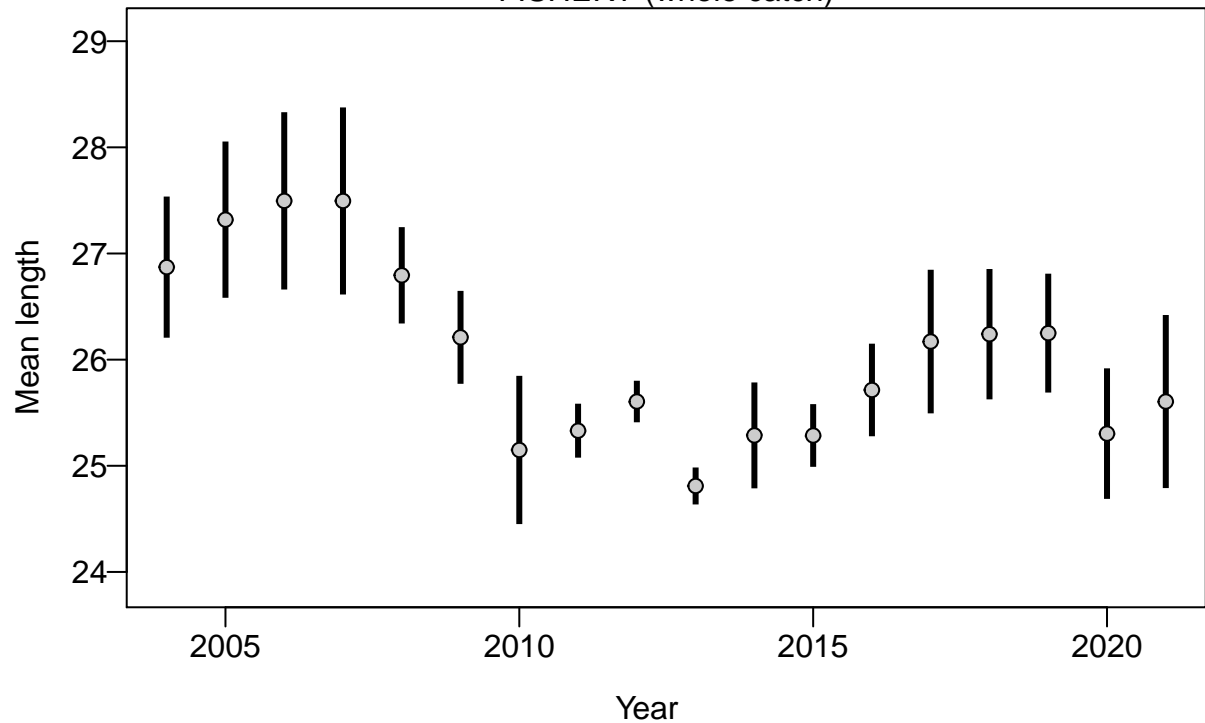


Proportion



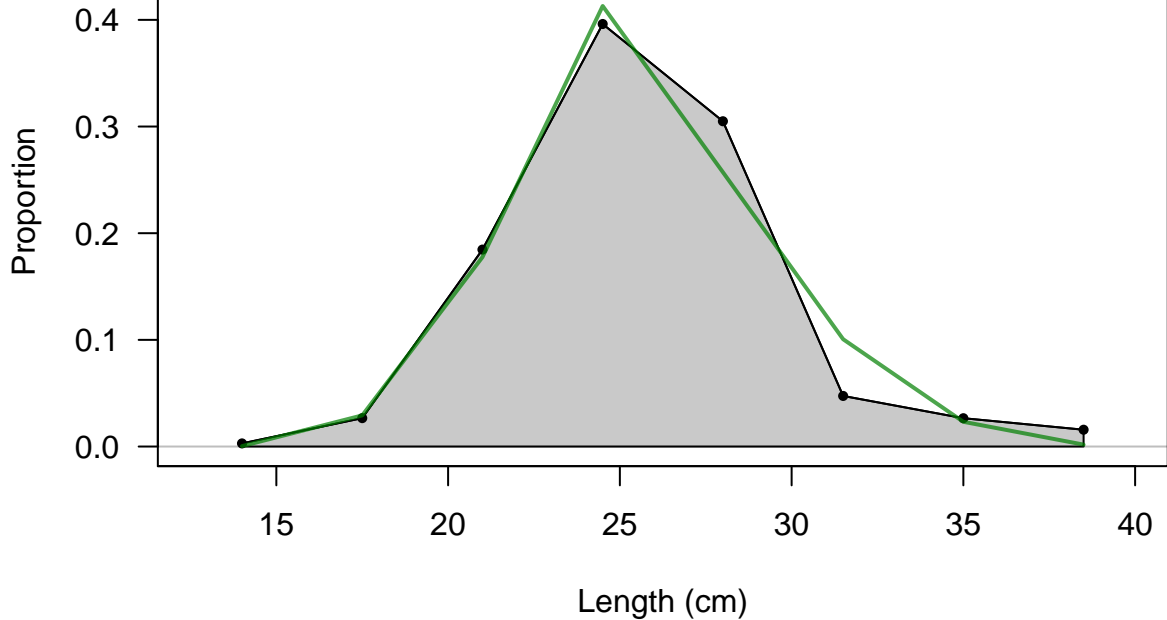


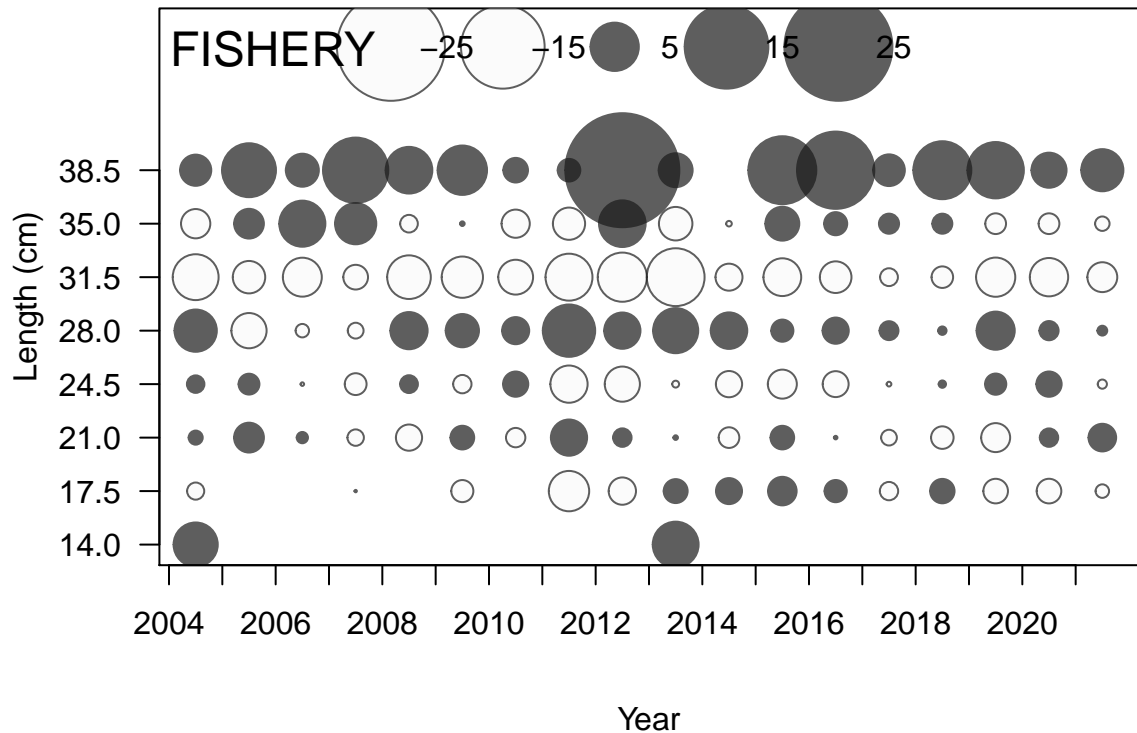
## FISHERY (whole catch)



# FISHERY

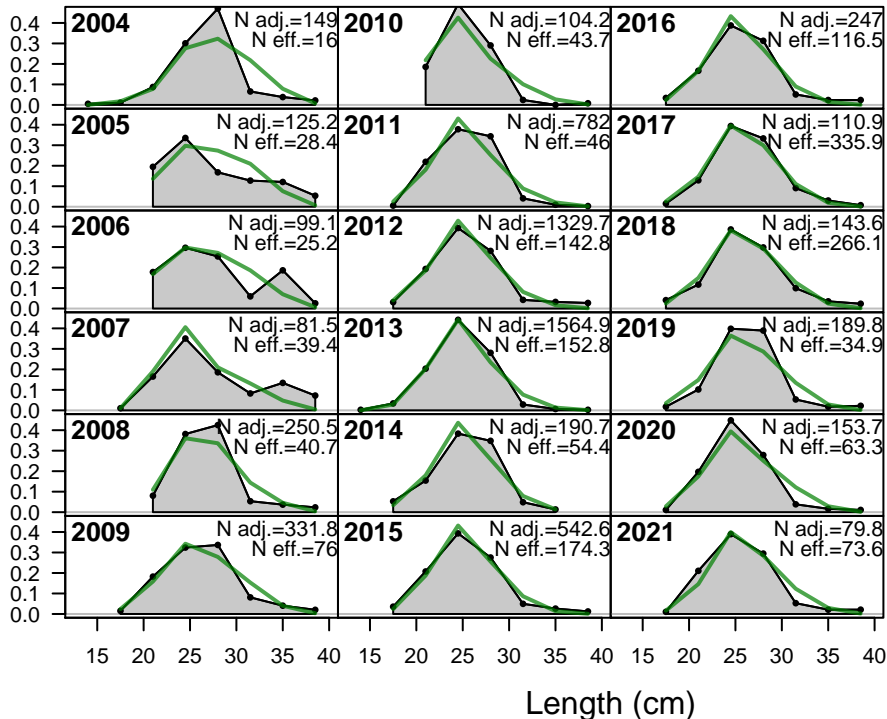
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Sum of N eff.=1730

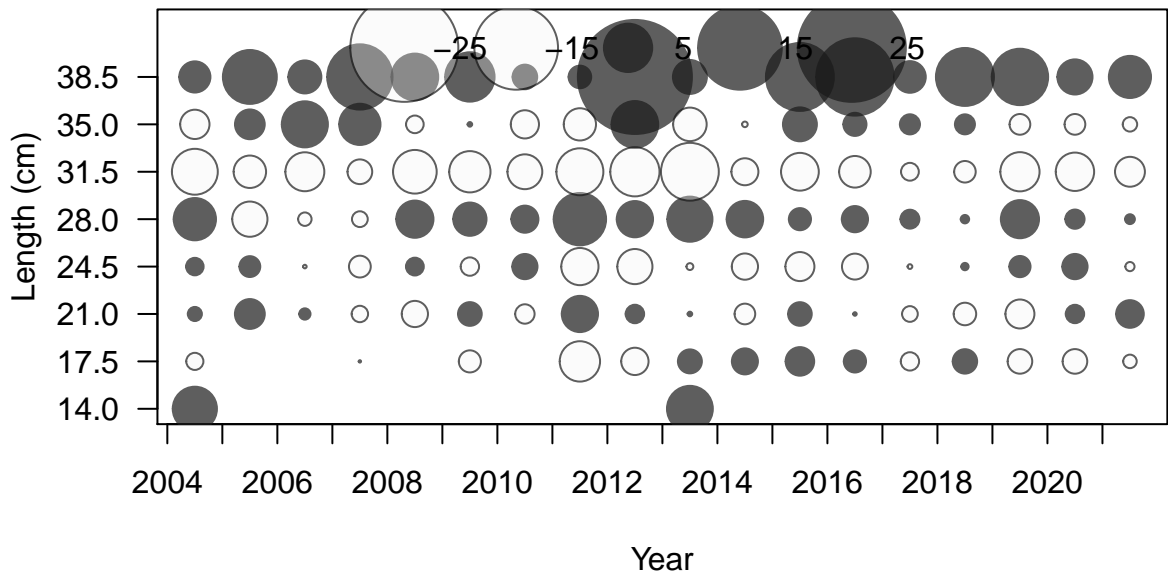




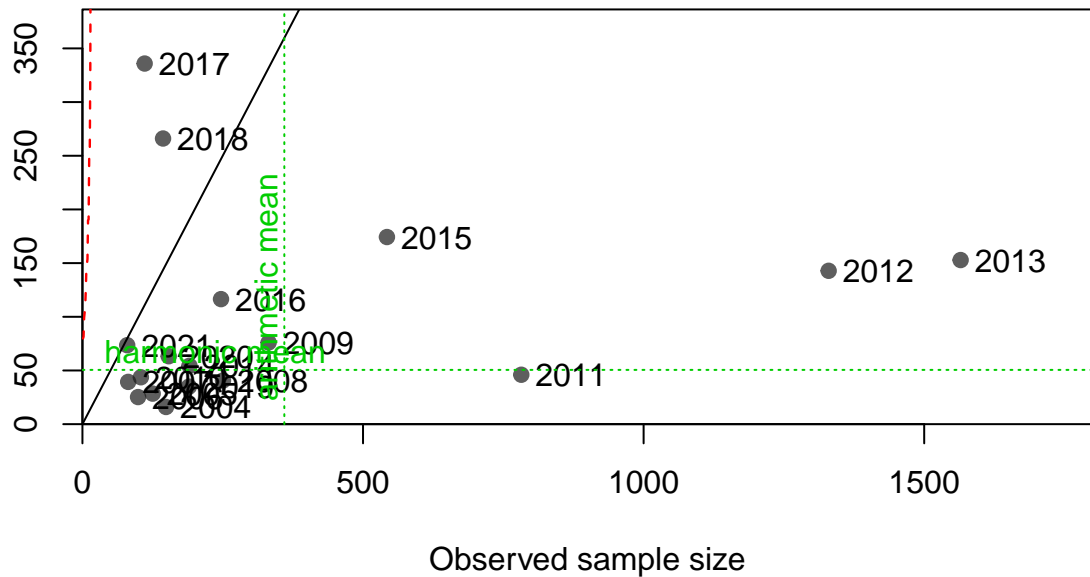


Proportion

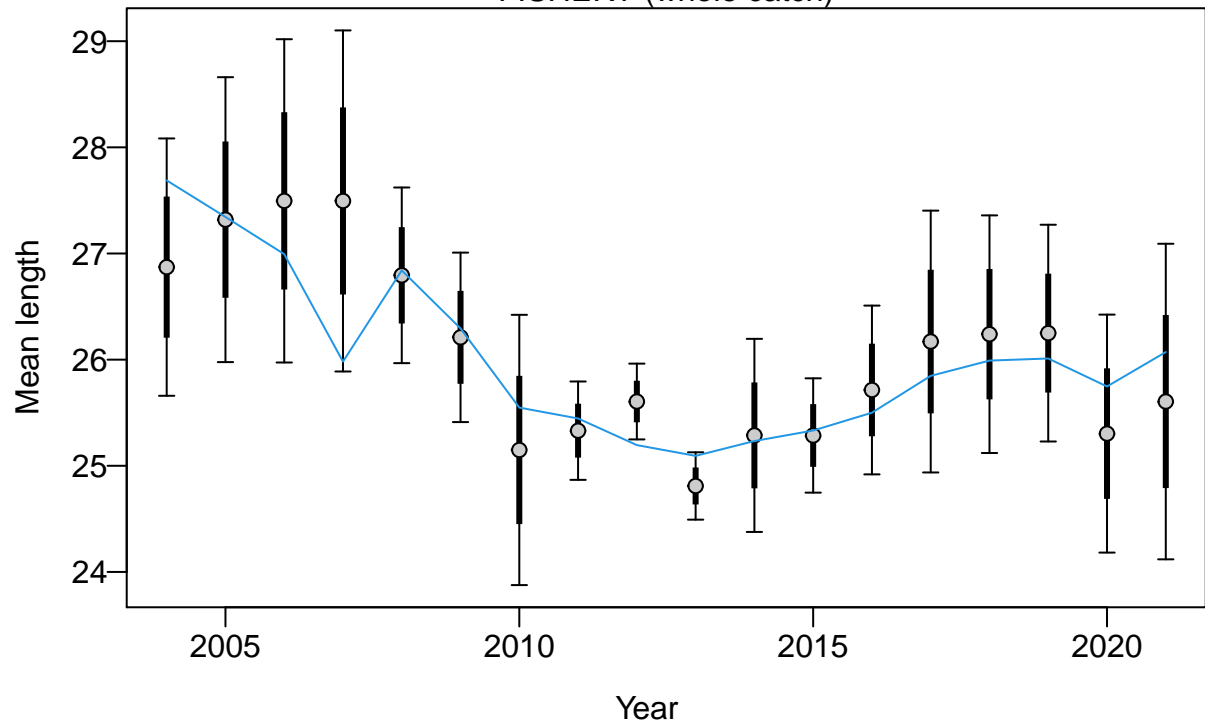


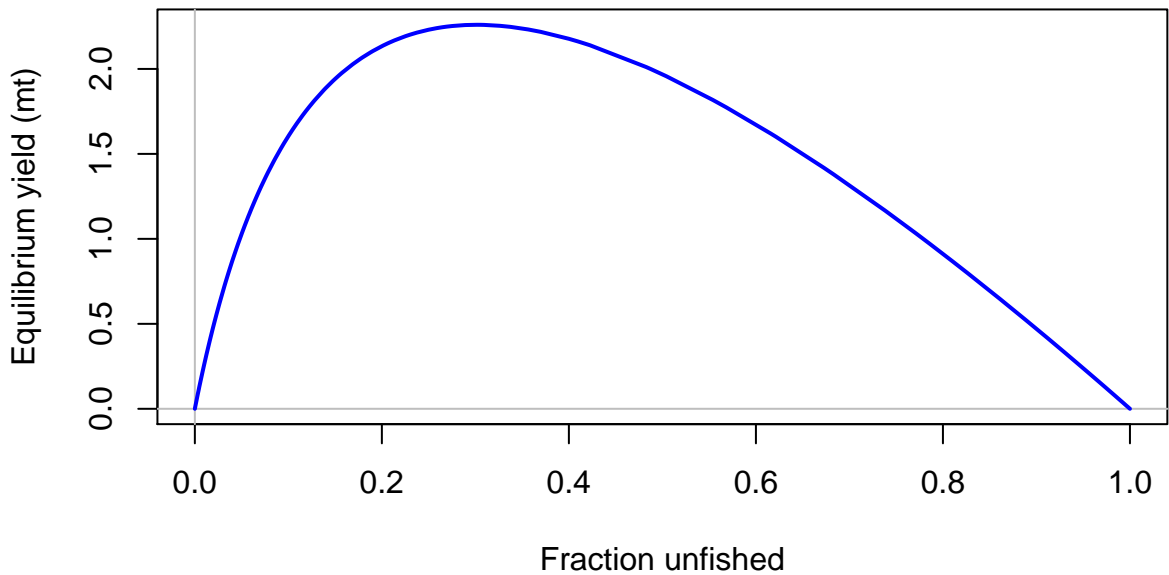


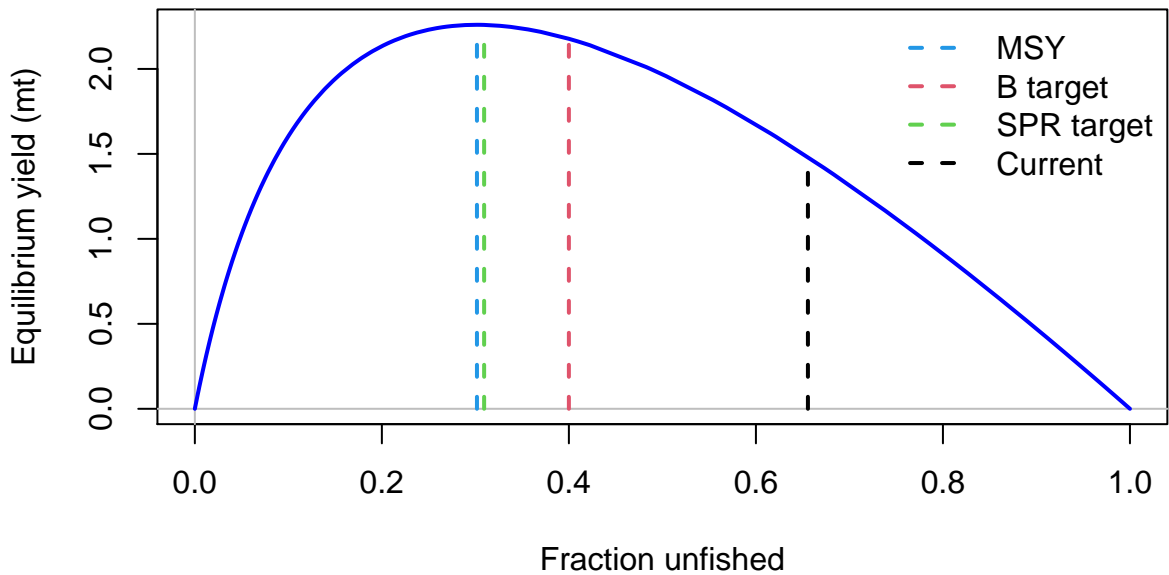
Effective sample size

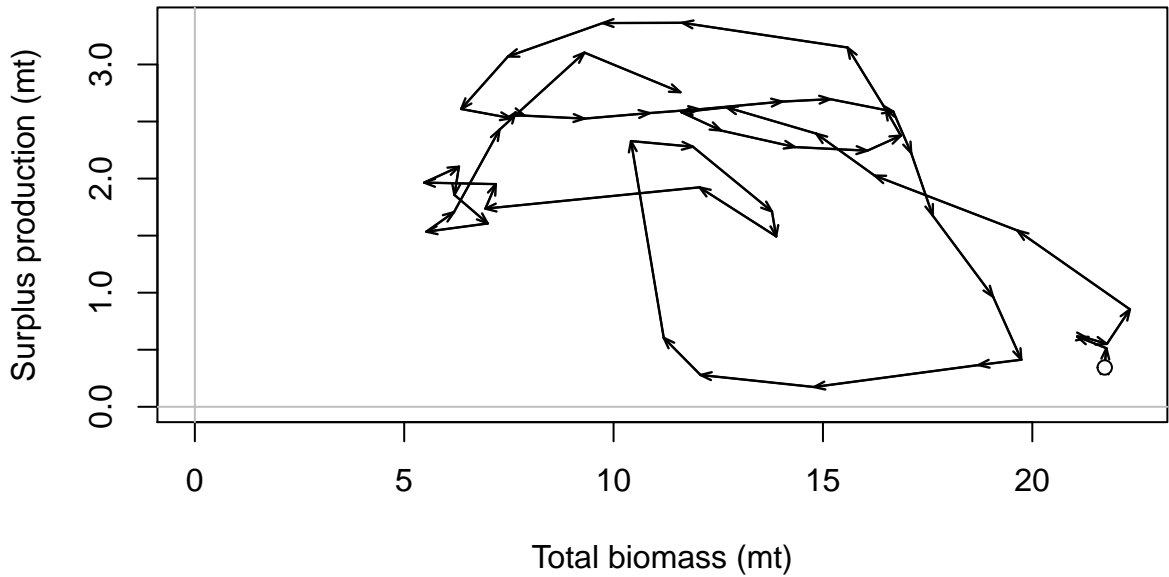


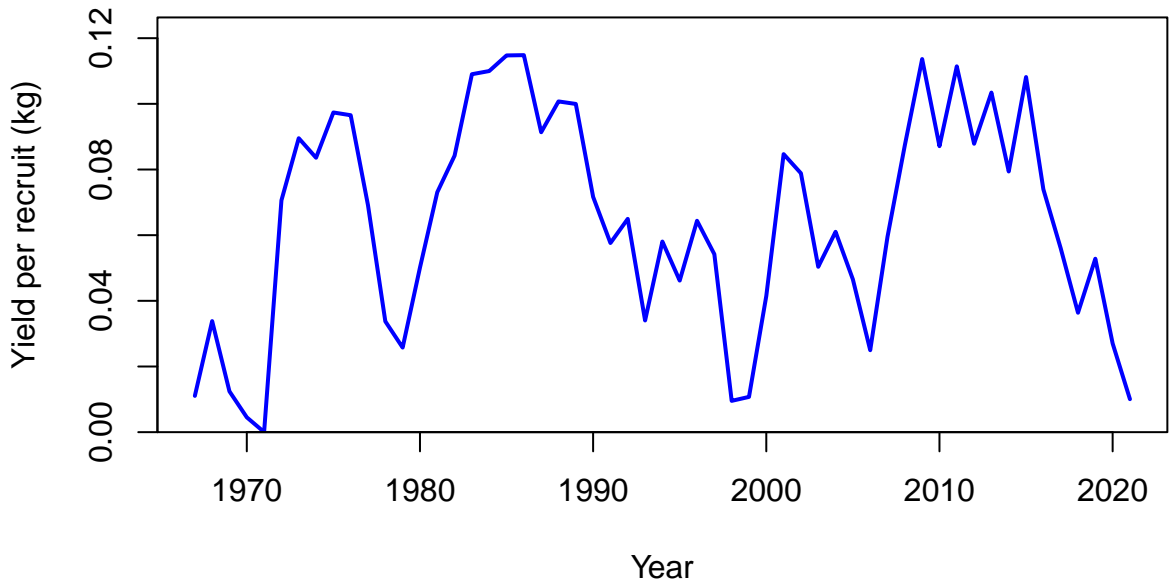
FISHERY (whole catch)



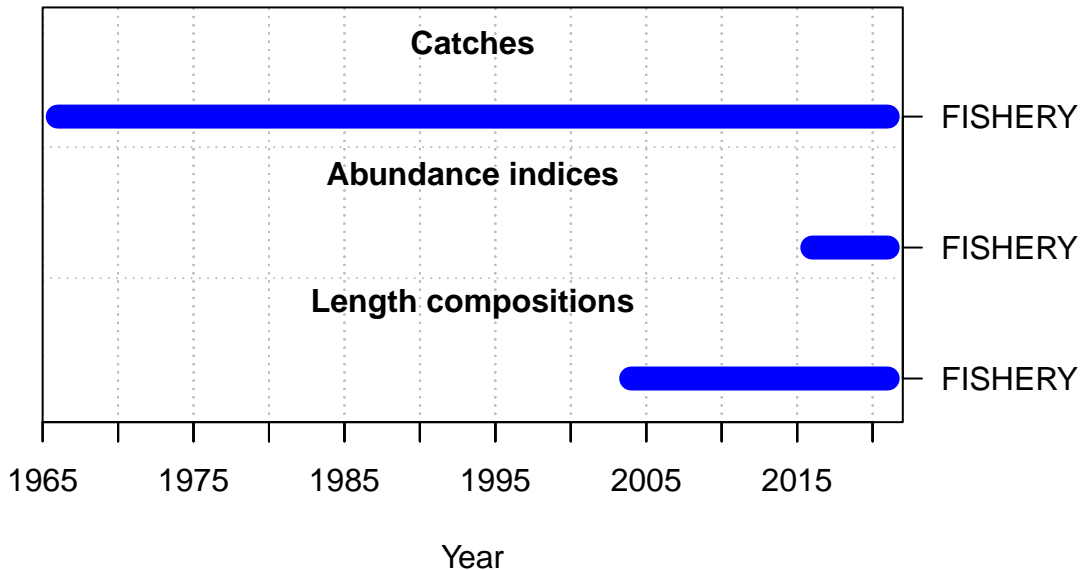


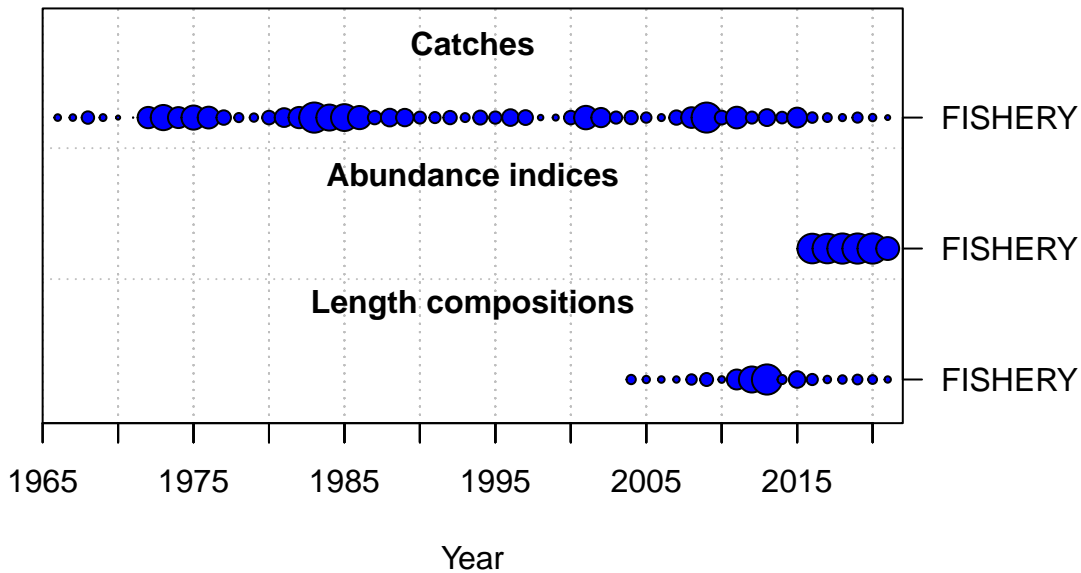




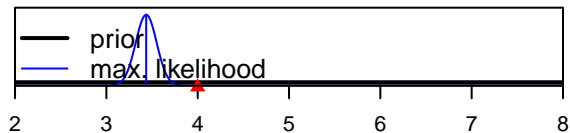




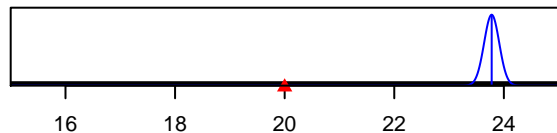




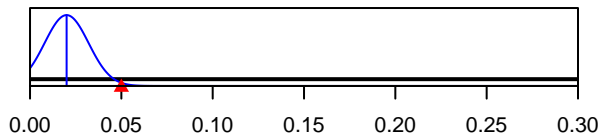
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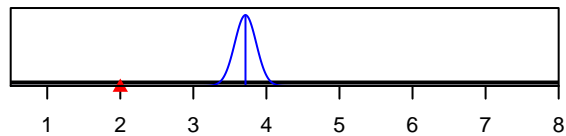
Size\_inflection\_FISHERY(1)



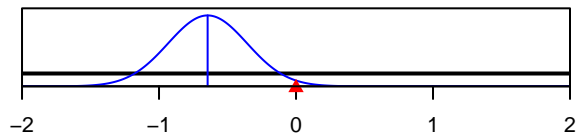
InitF\_seas\_1\_flt\_1FISHERY



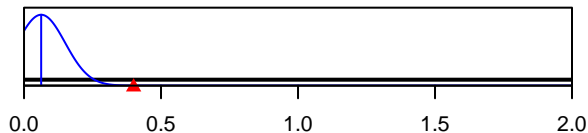
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value