

Plots created using the 'r4ss' package in R

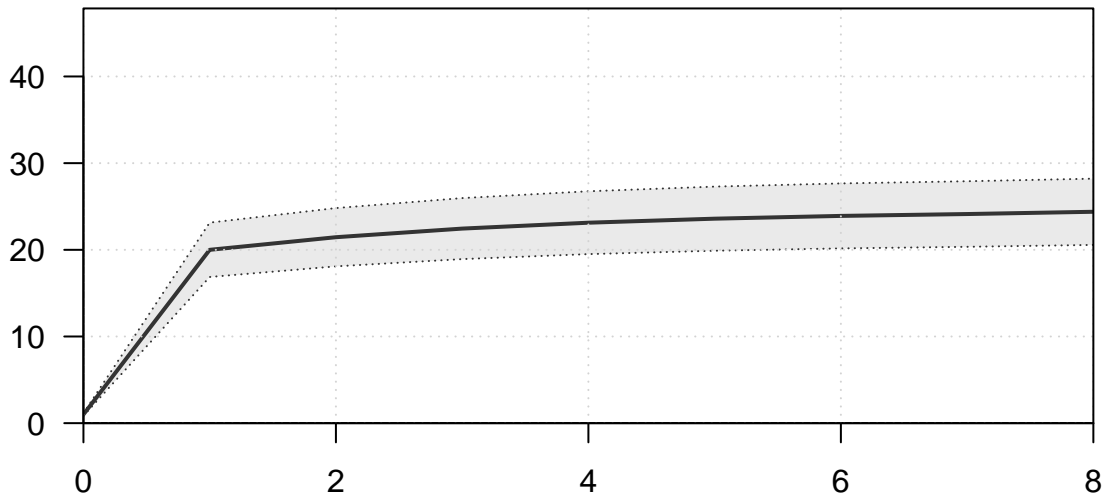
Stock Synthesis version: 3.30.19.0

StartTime: Fri Jul 29 08:19:22 2022

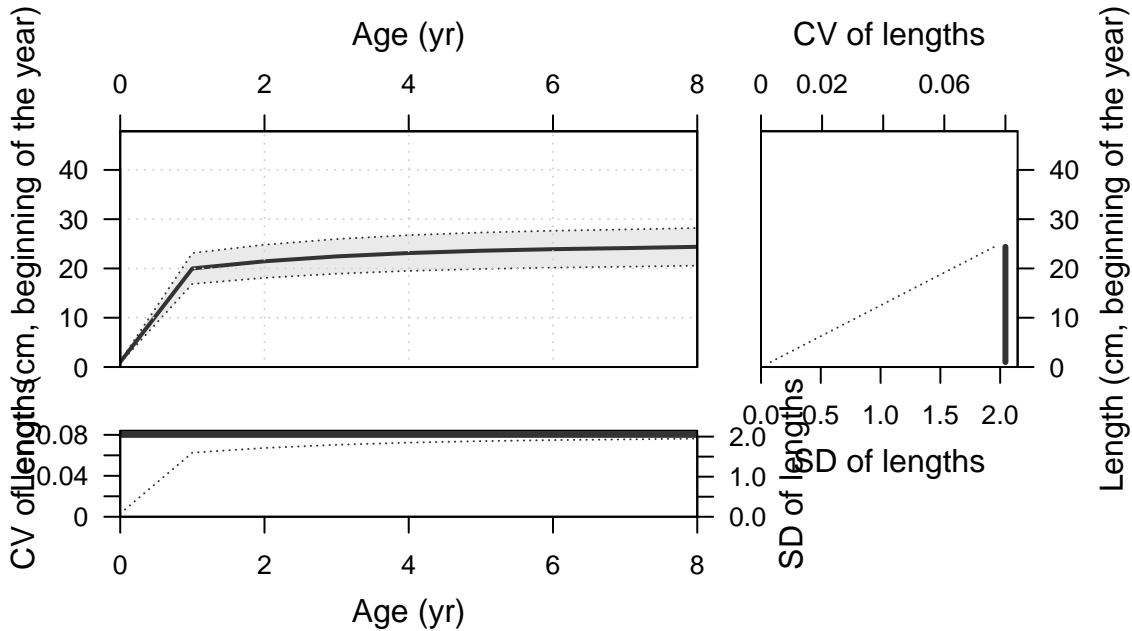
Data\_File: data.ss

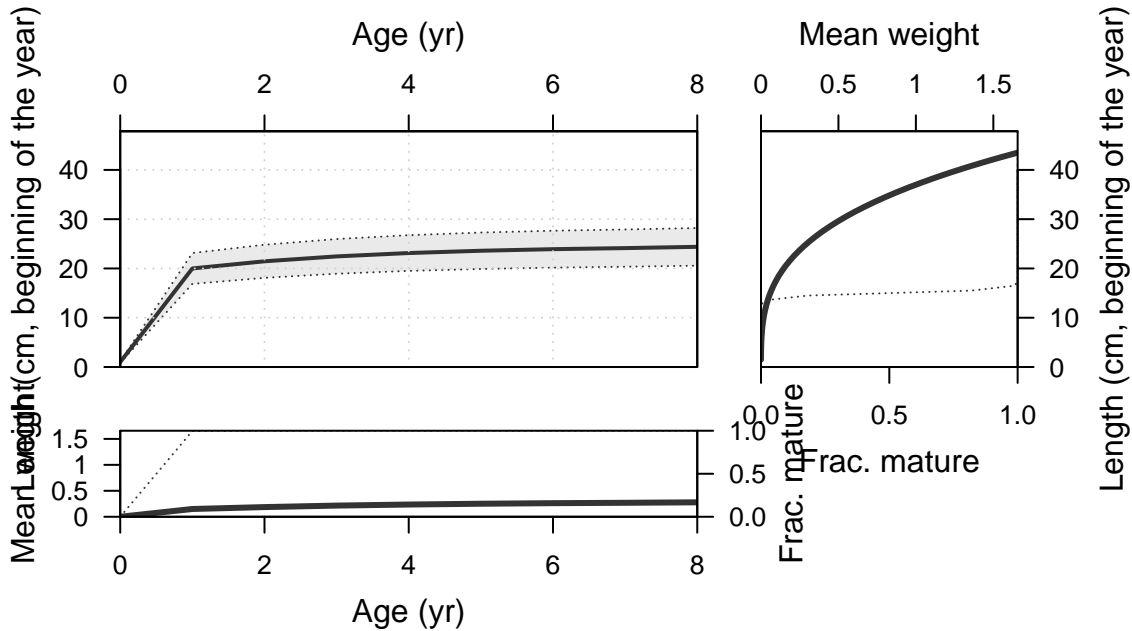
Control\_File: control.ss

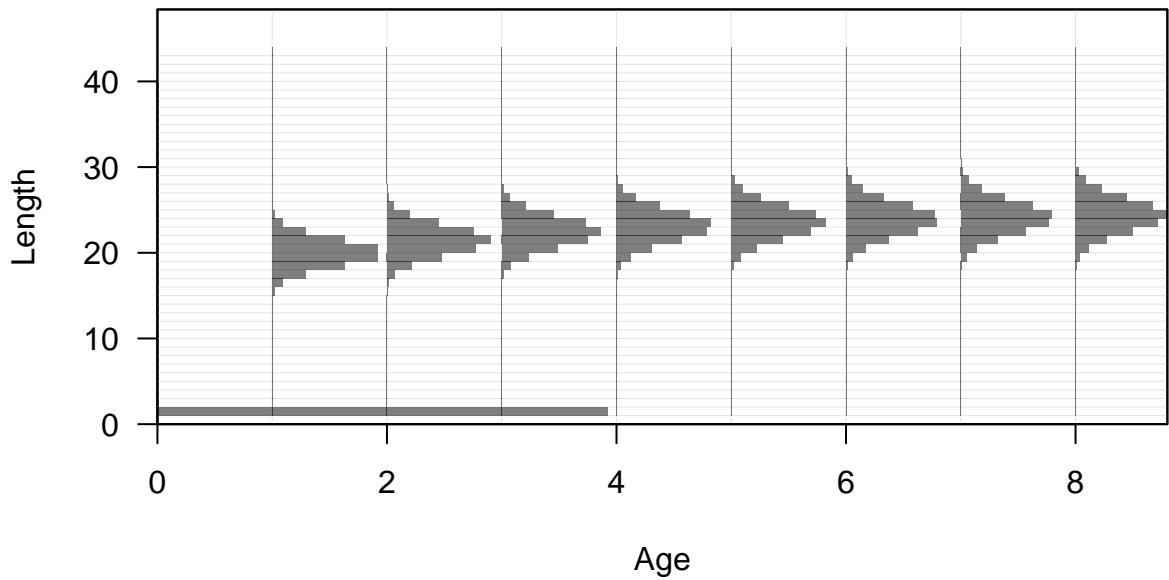
Length (cm, beginning of the year)

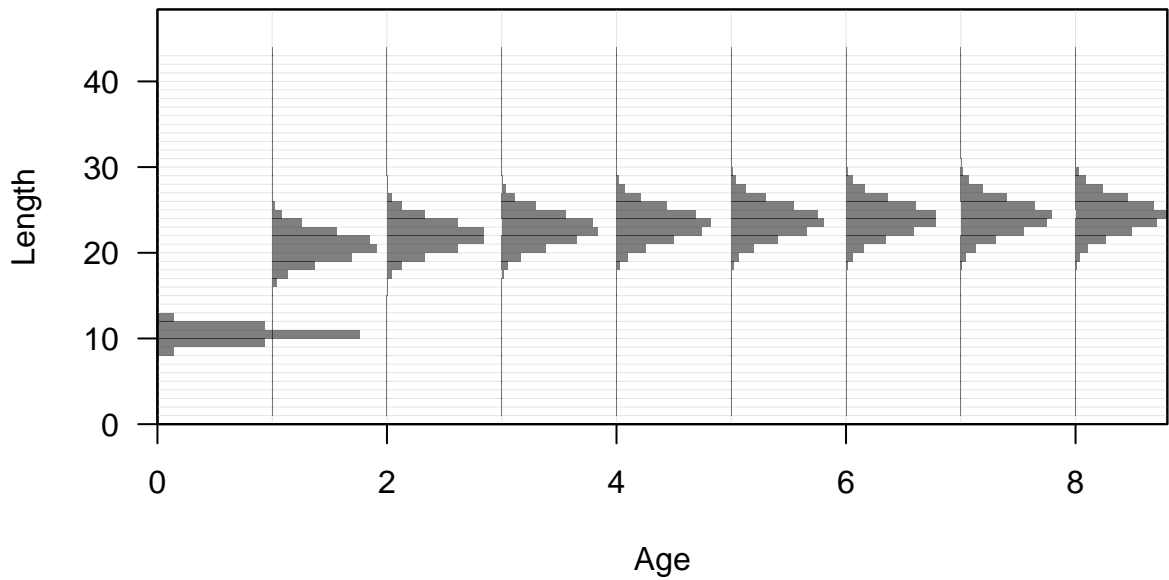


Age (yr)







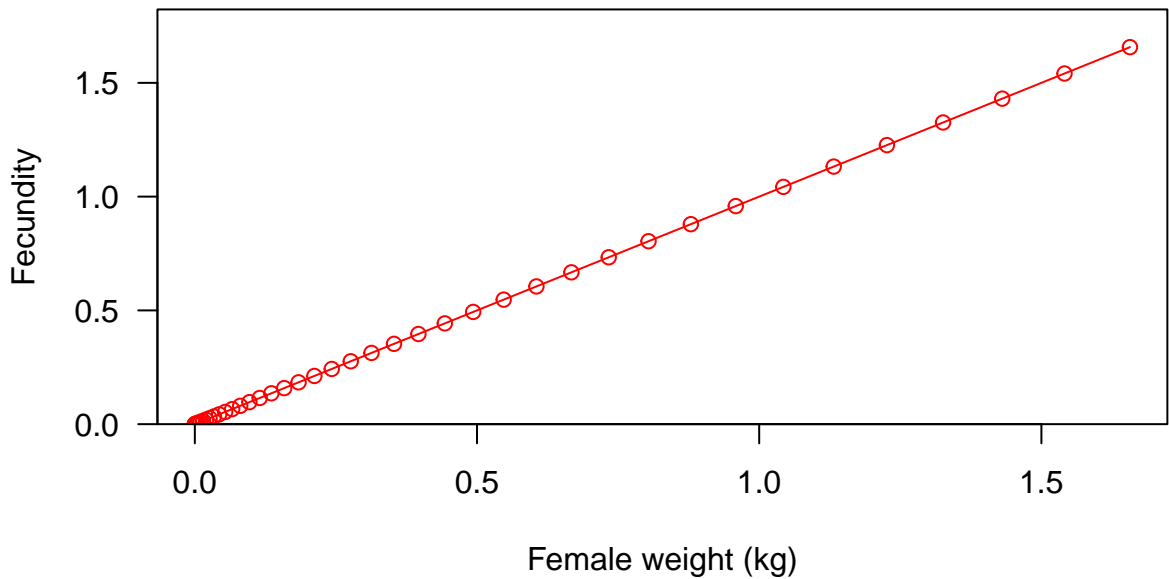






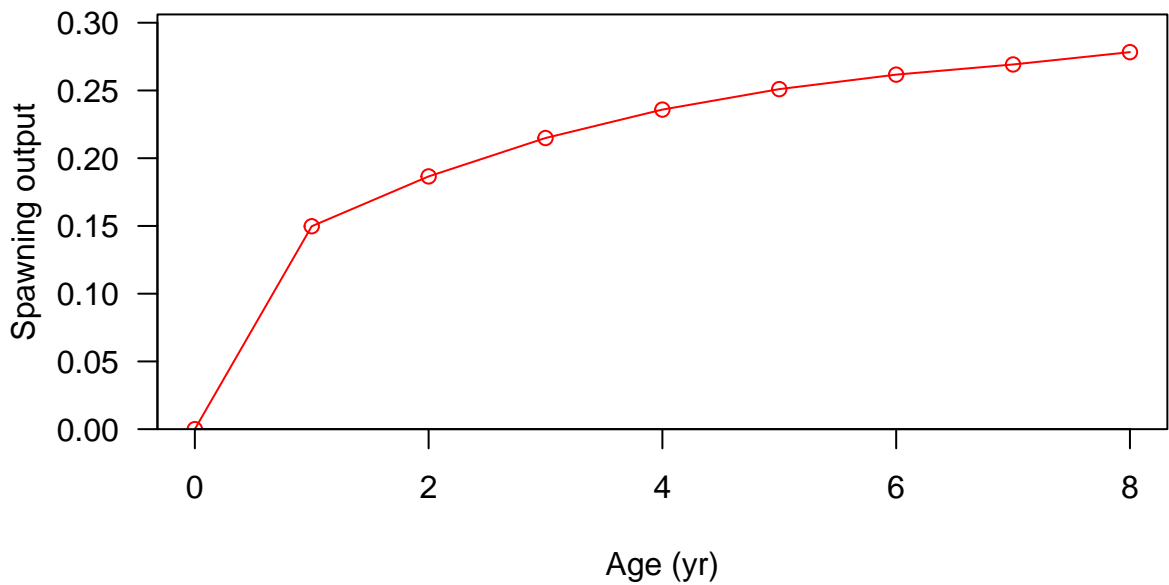




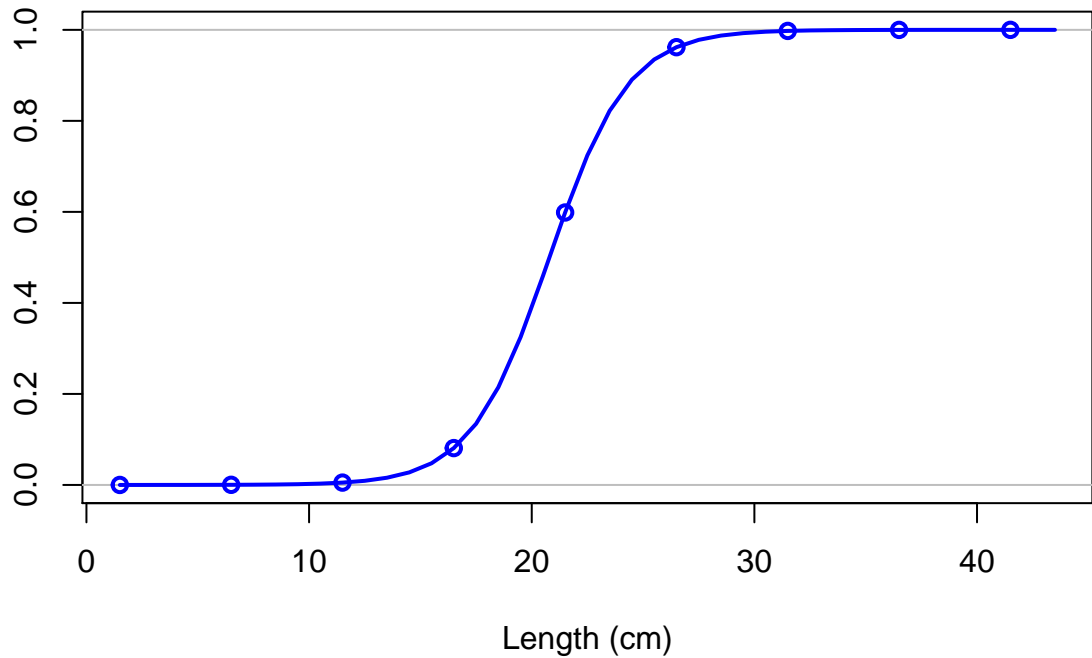


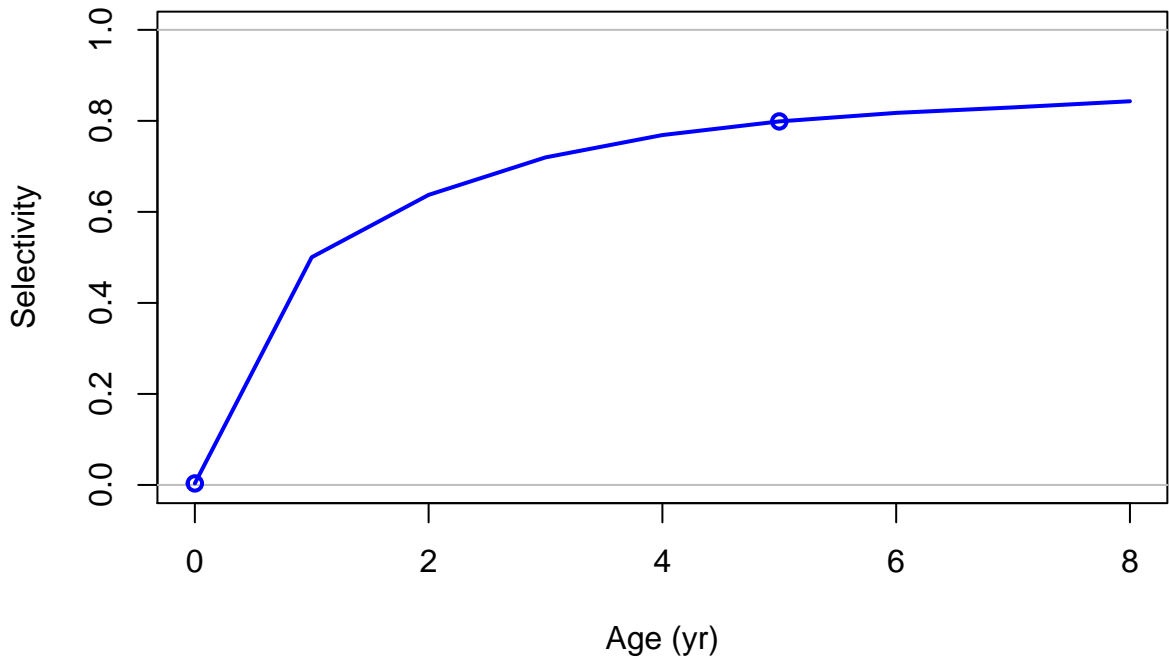




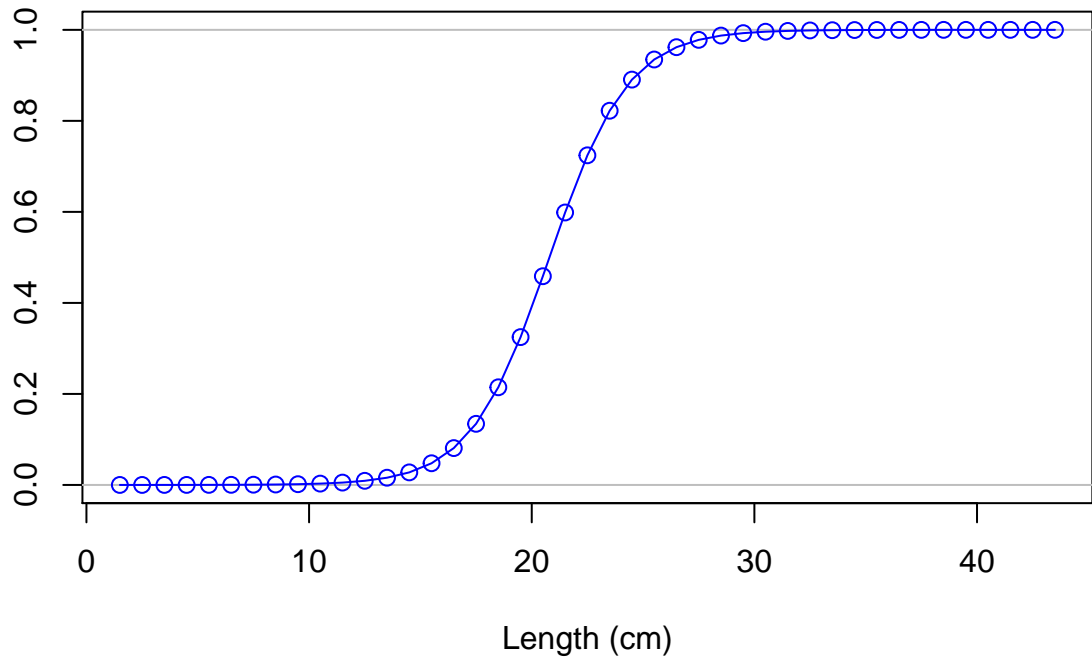


Selectivity

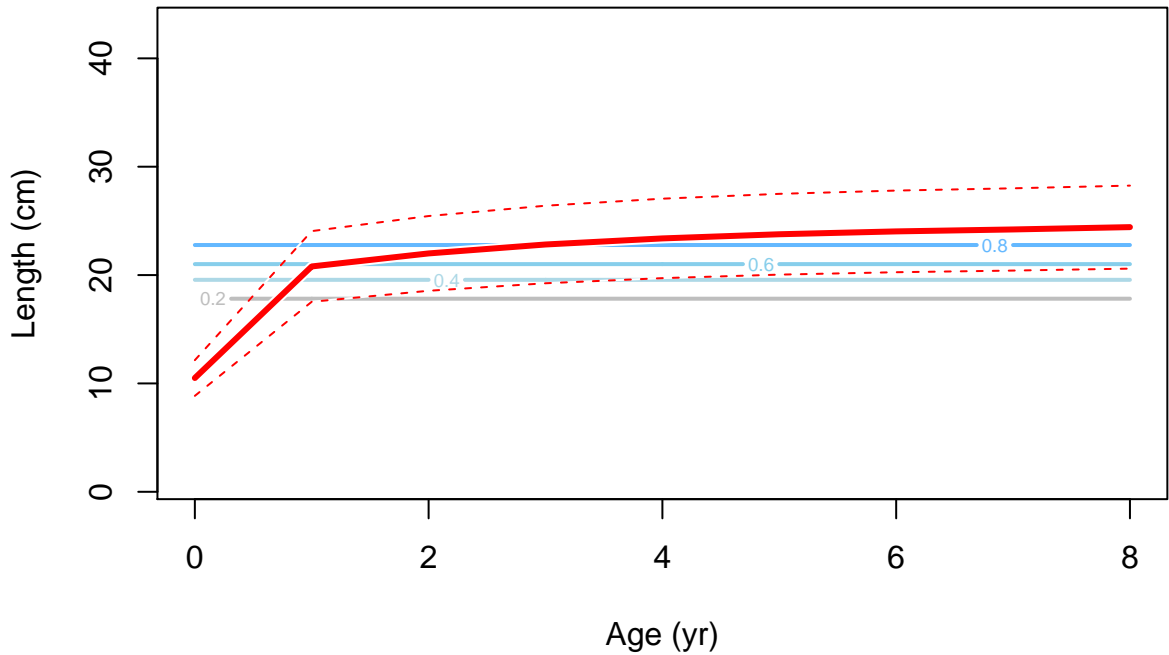




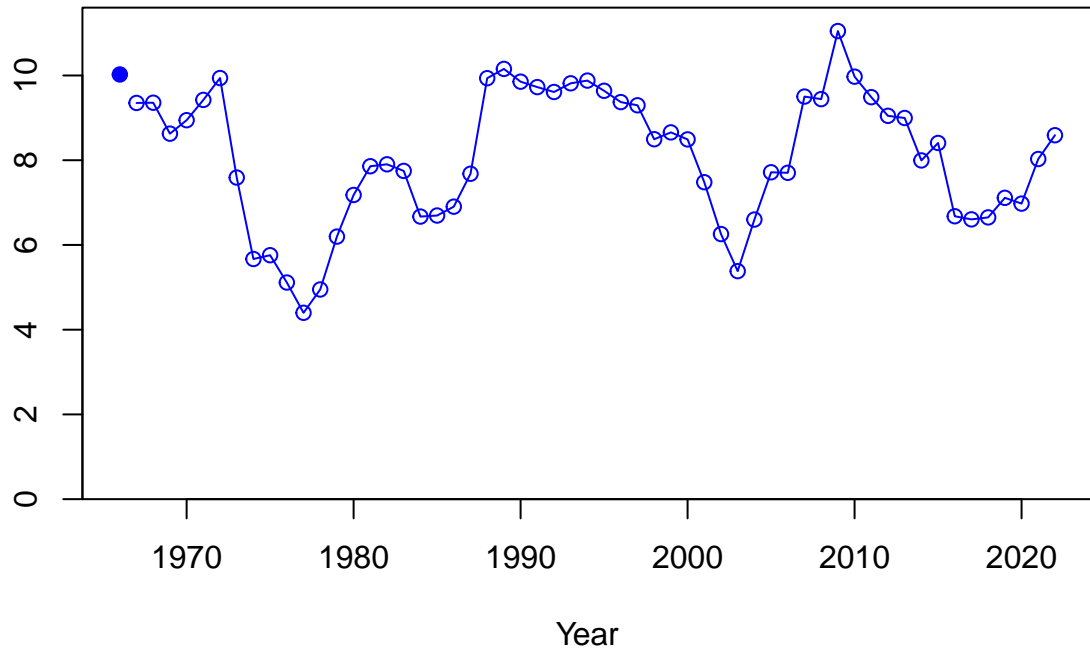
Selectivity



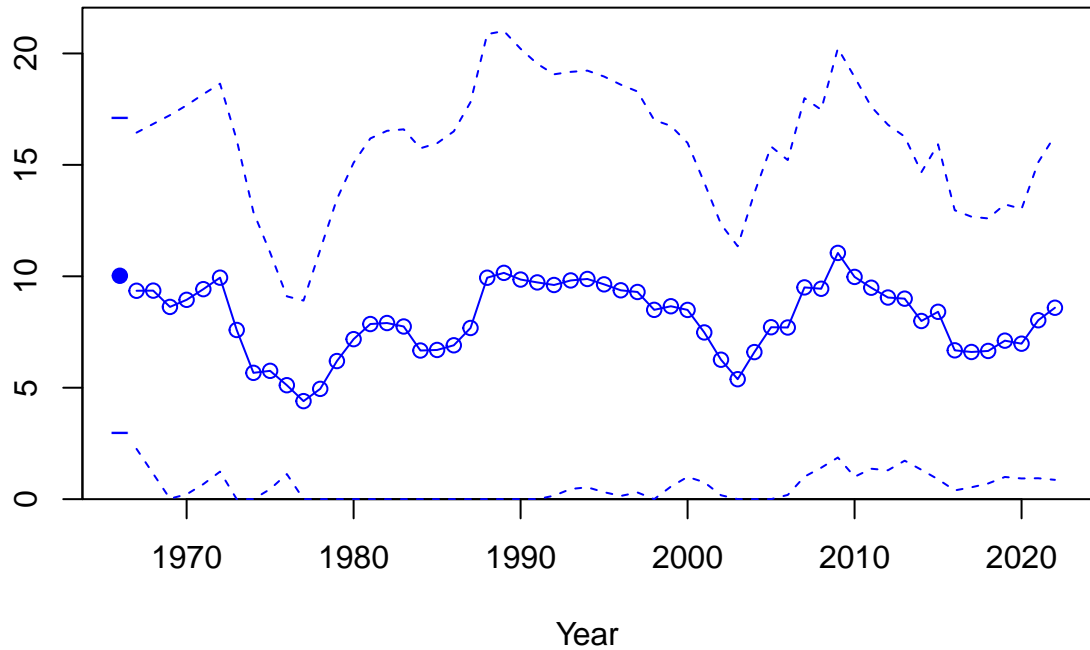




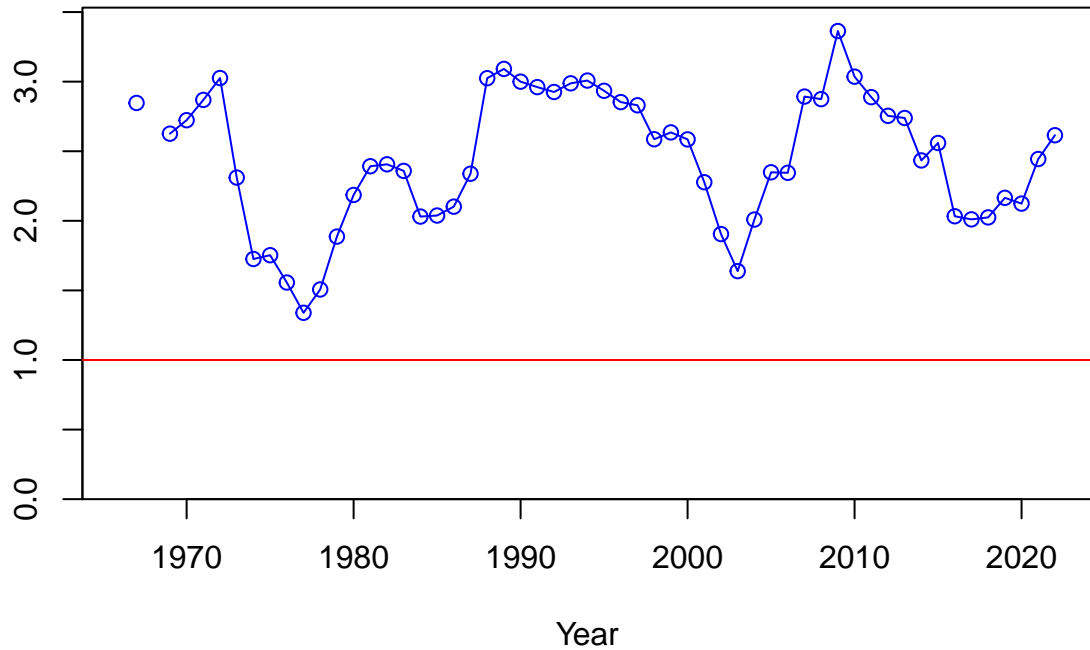
Spawning biomass (mt)



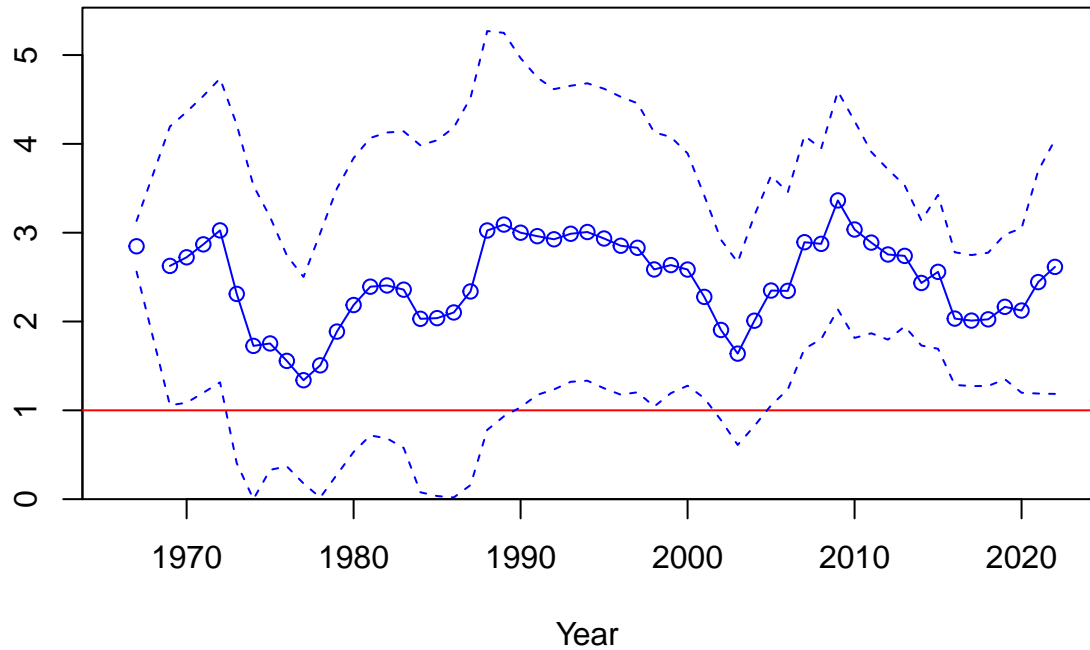
Spawning biomass (mt)

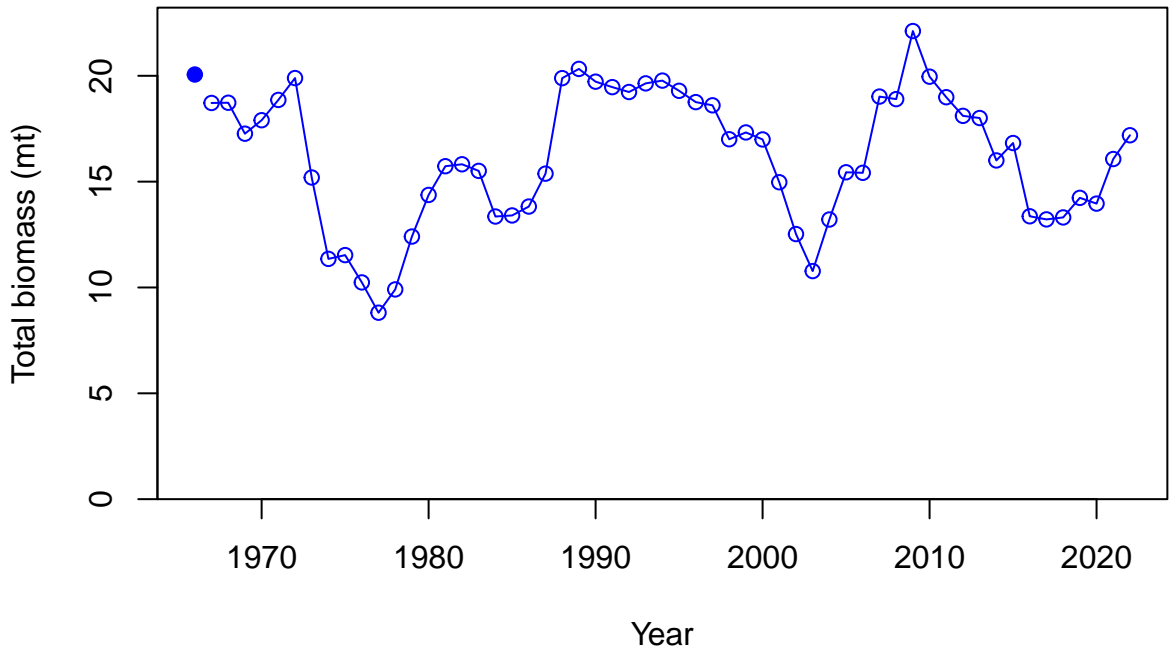


Relative spawning biomass:  $B/B_{MSY}$

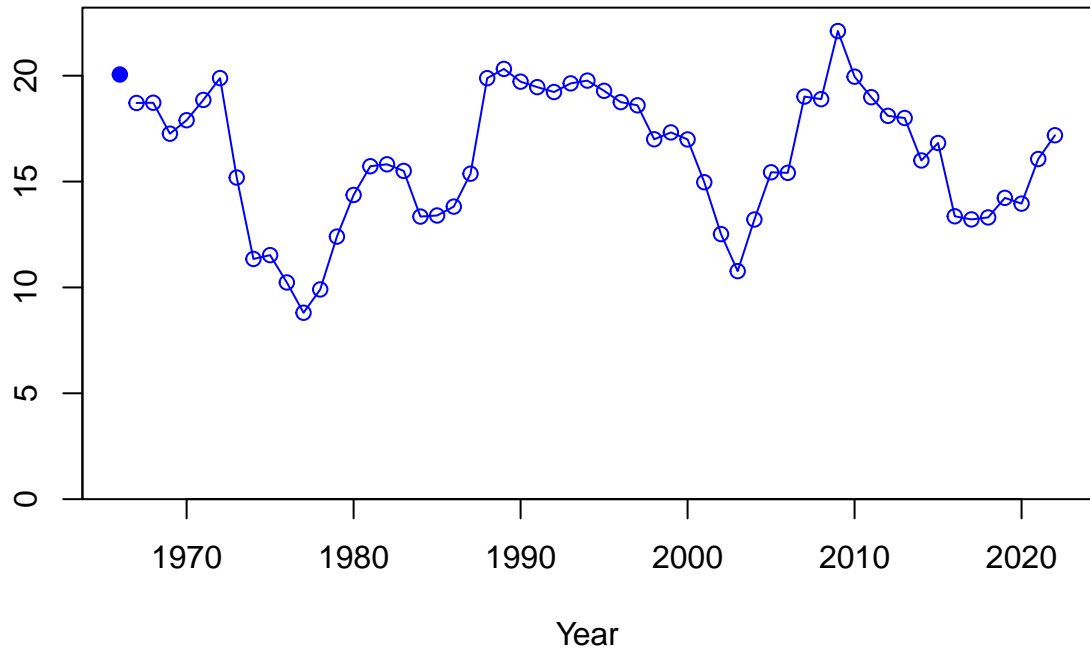


Relative spawning biomass:  $B/B_{MSY}$

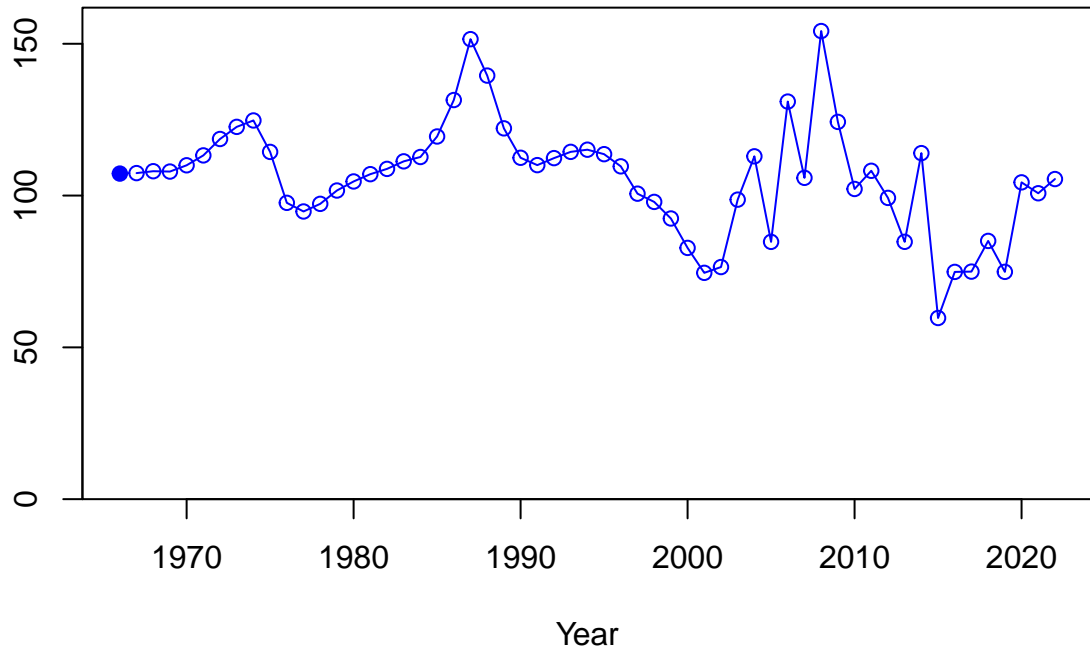




Summary biomass (mt)

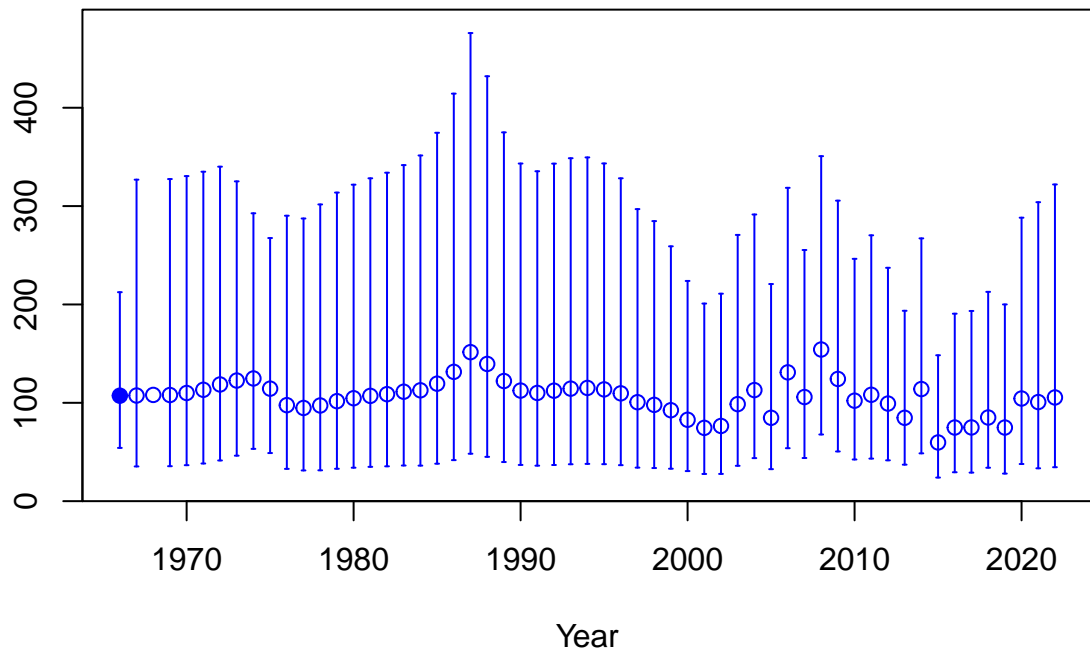


Age-0 recruits (1,000s)

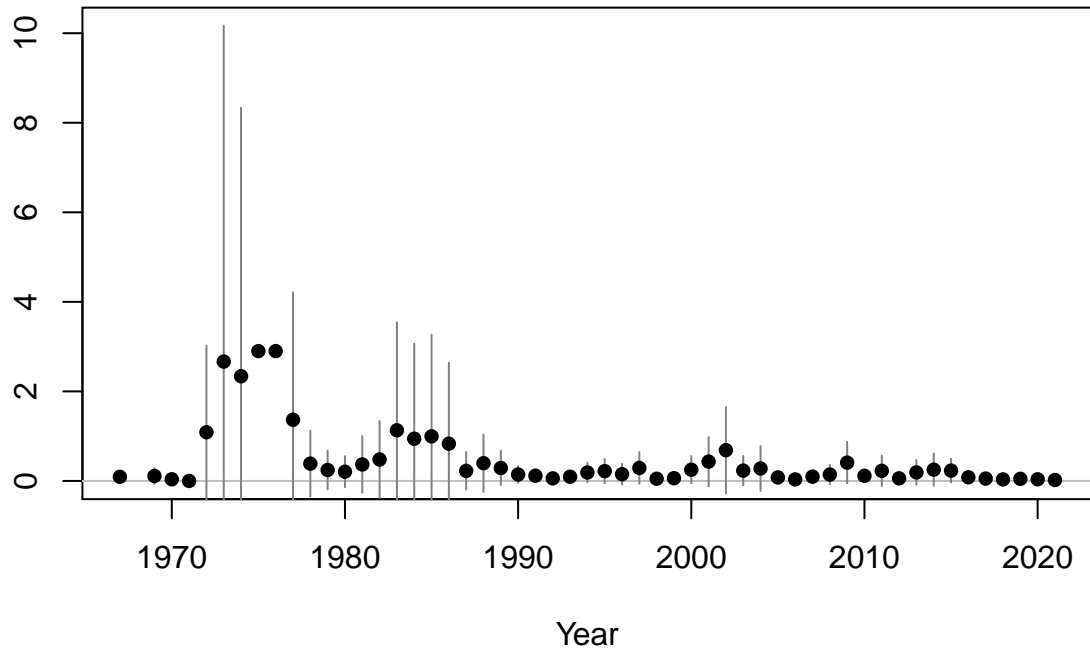


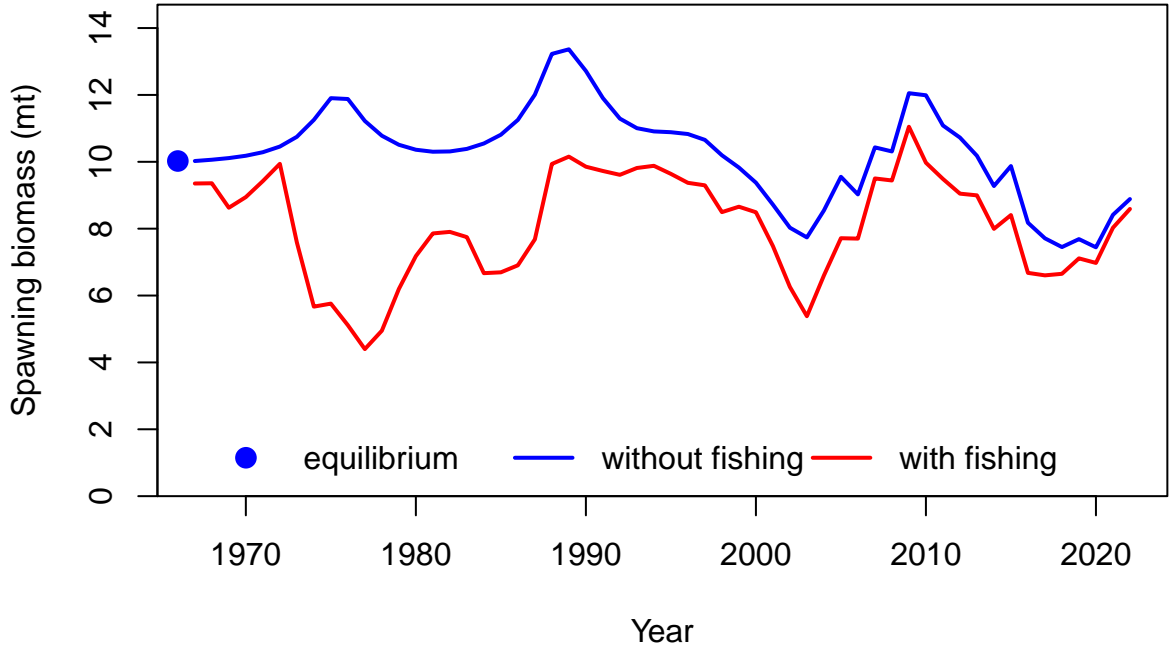


Age-0 recruits (1,000s)

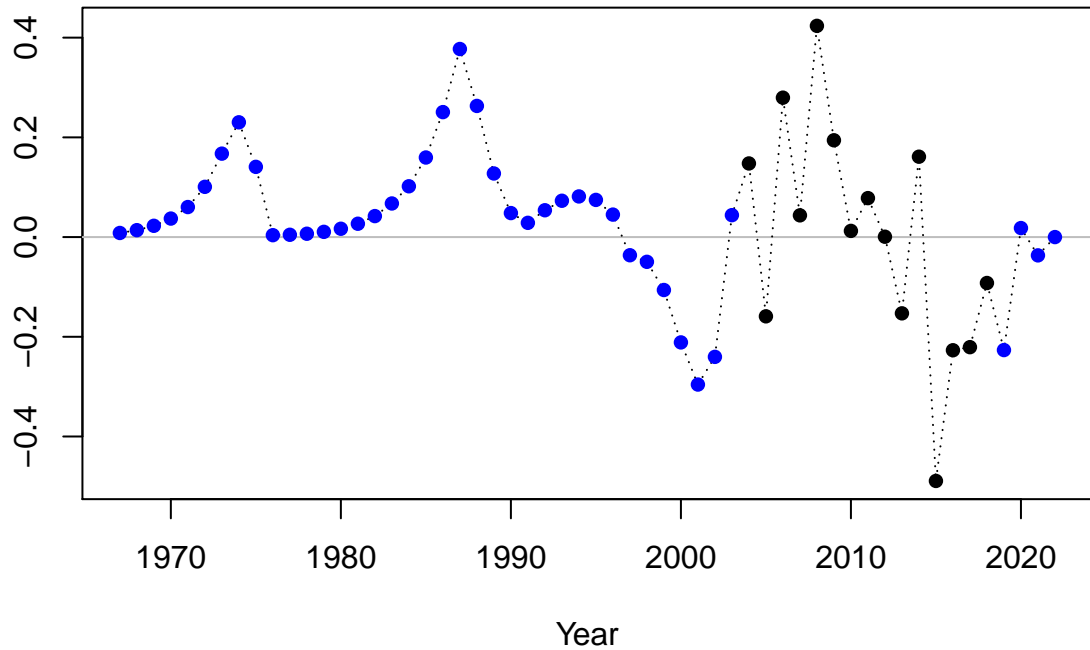


Summary Fishing Mortality

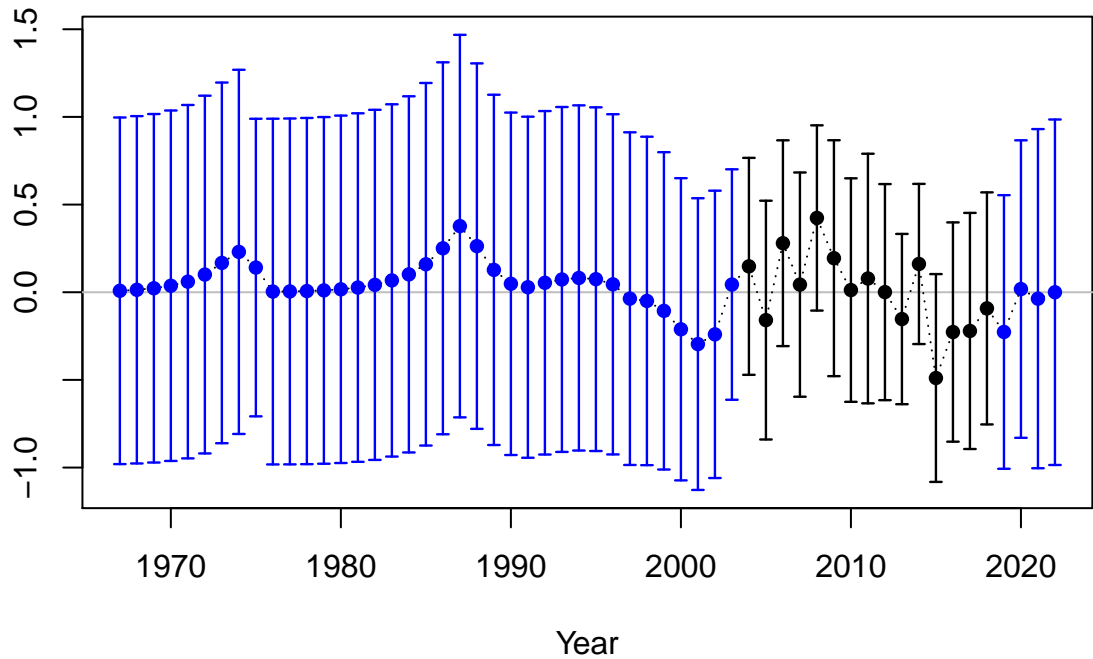




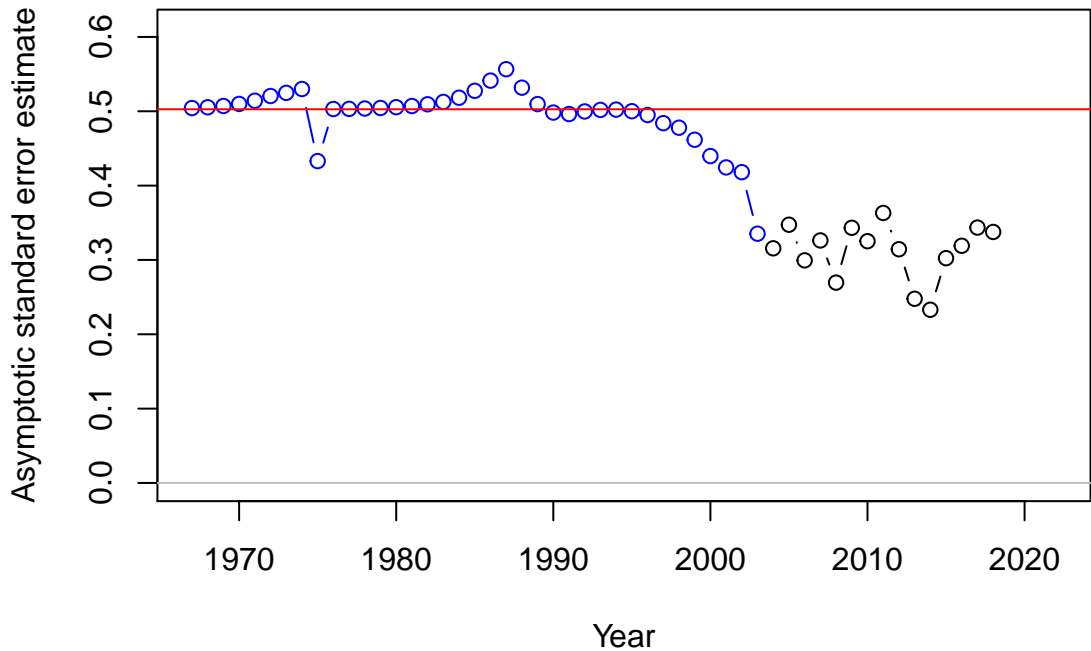
Log recruitment deviation

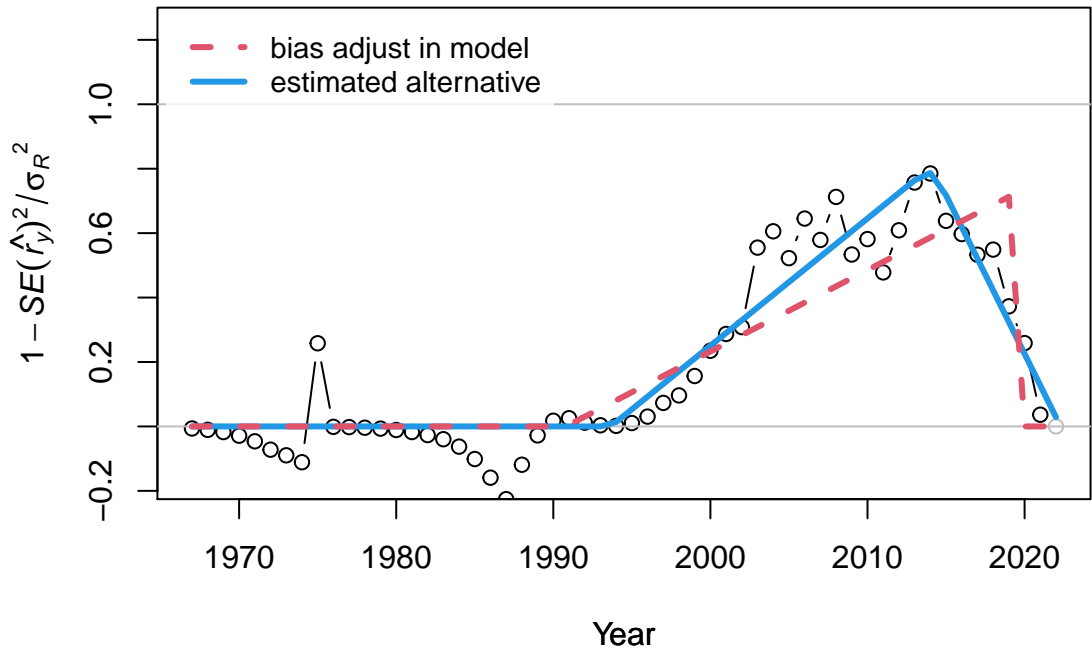


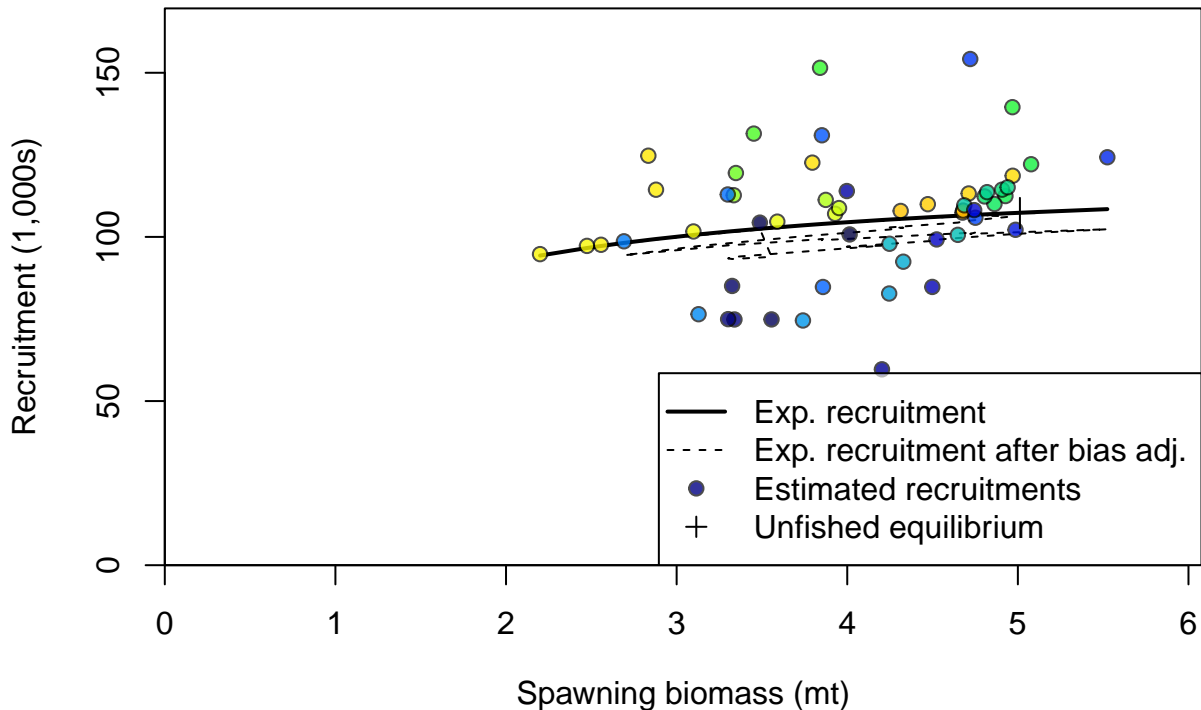
Log recruitment deviation



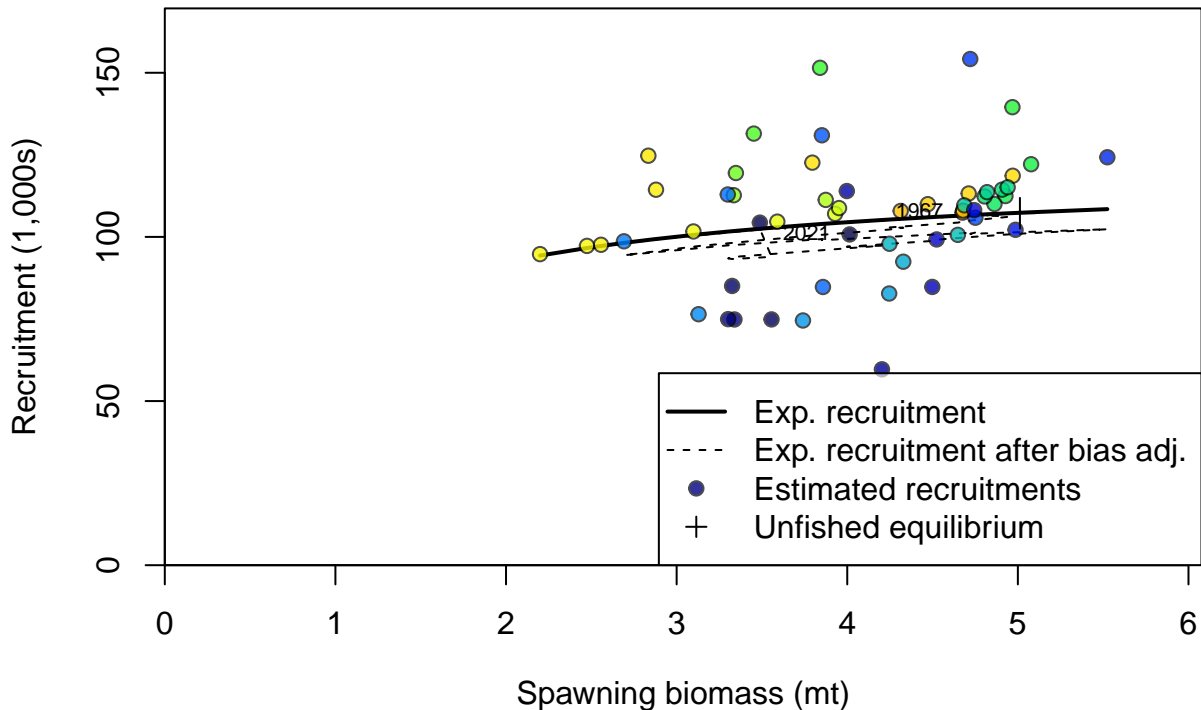
## Recruitment deviation variance



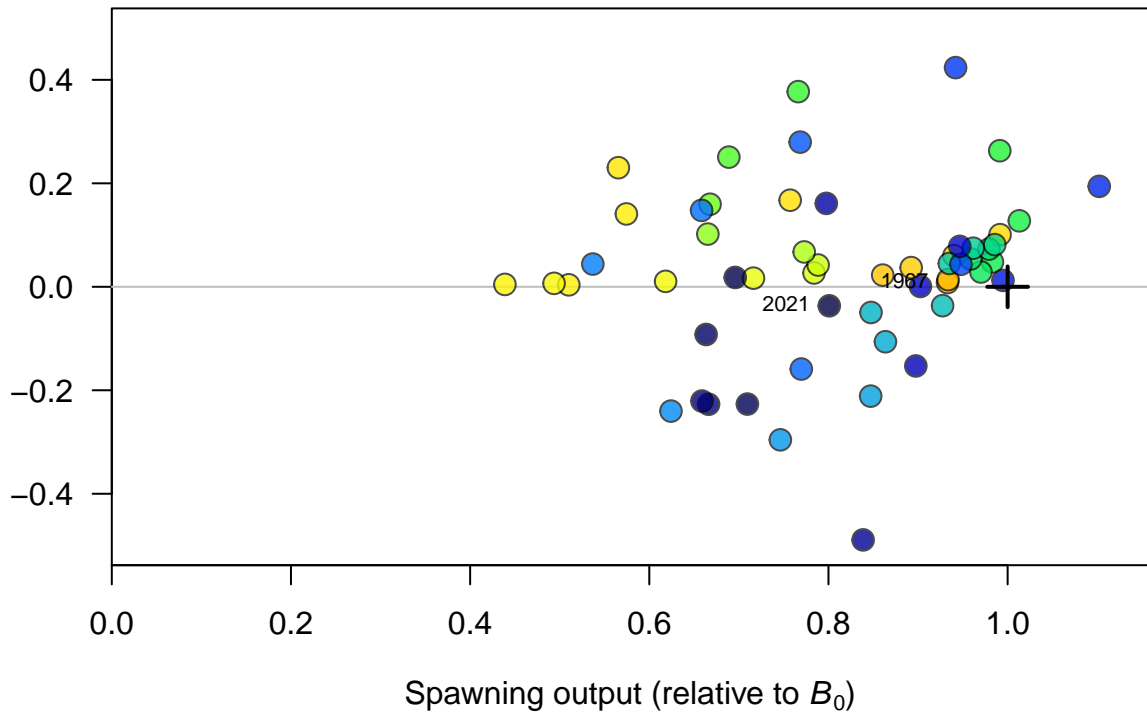


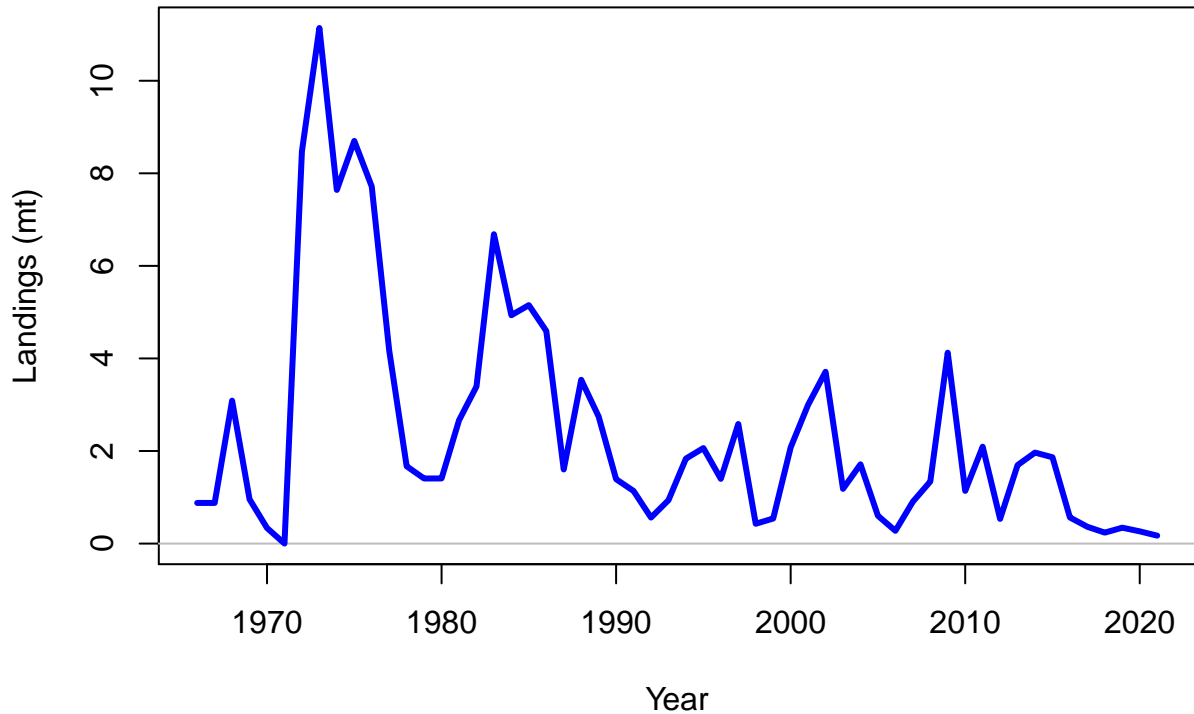


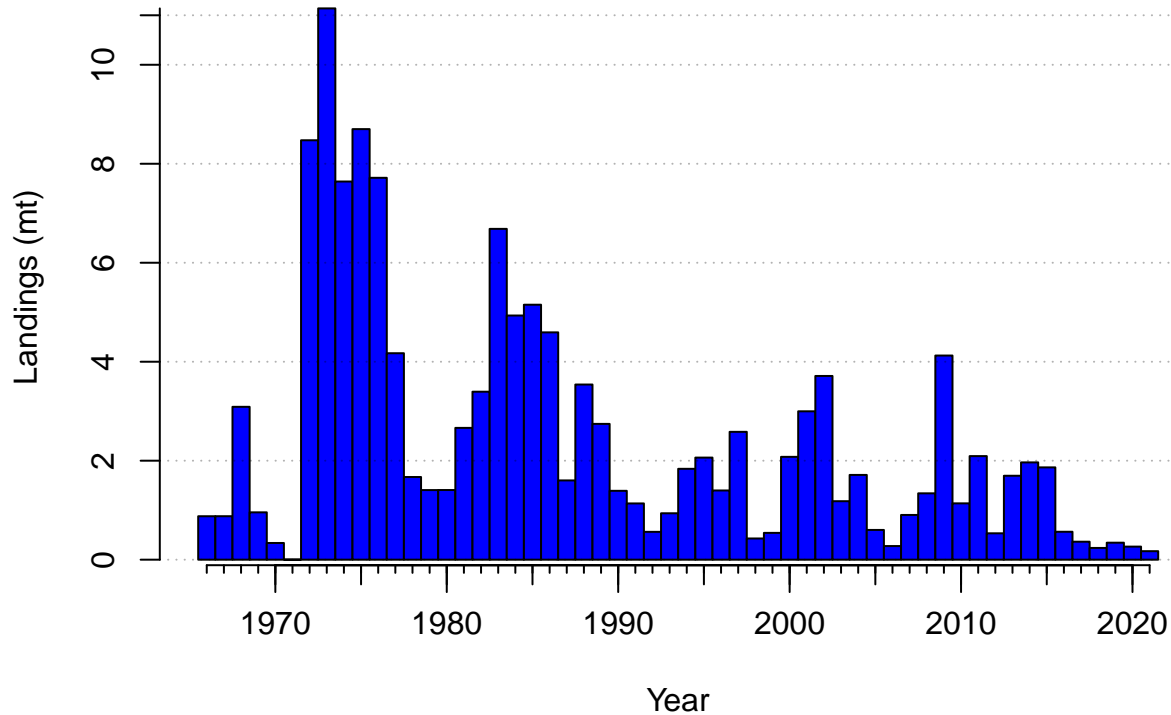




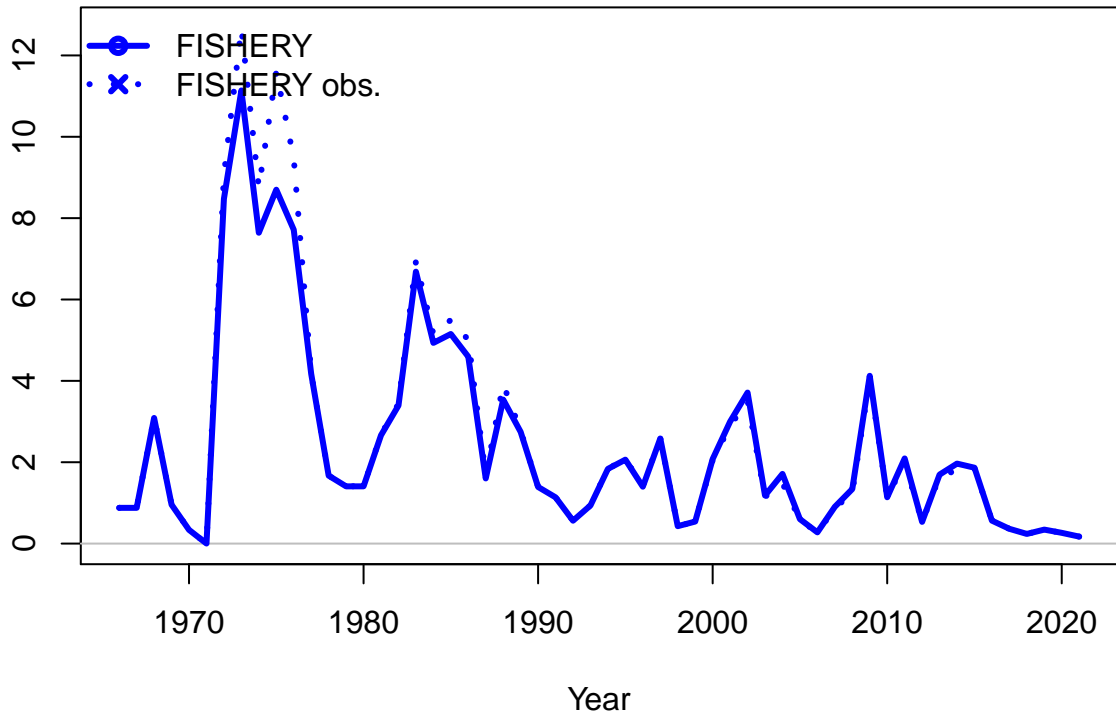
Log recruitment deviation

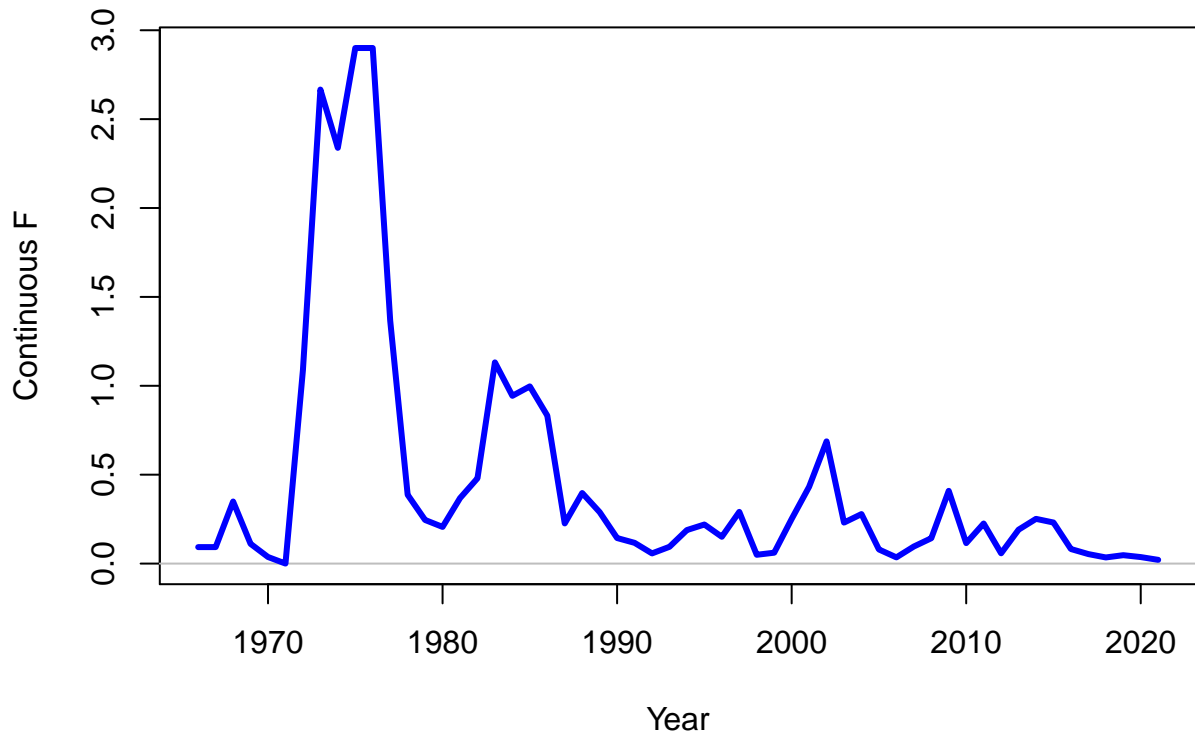




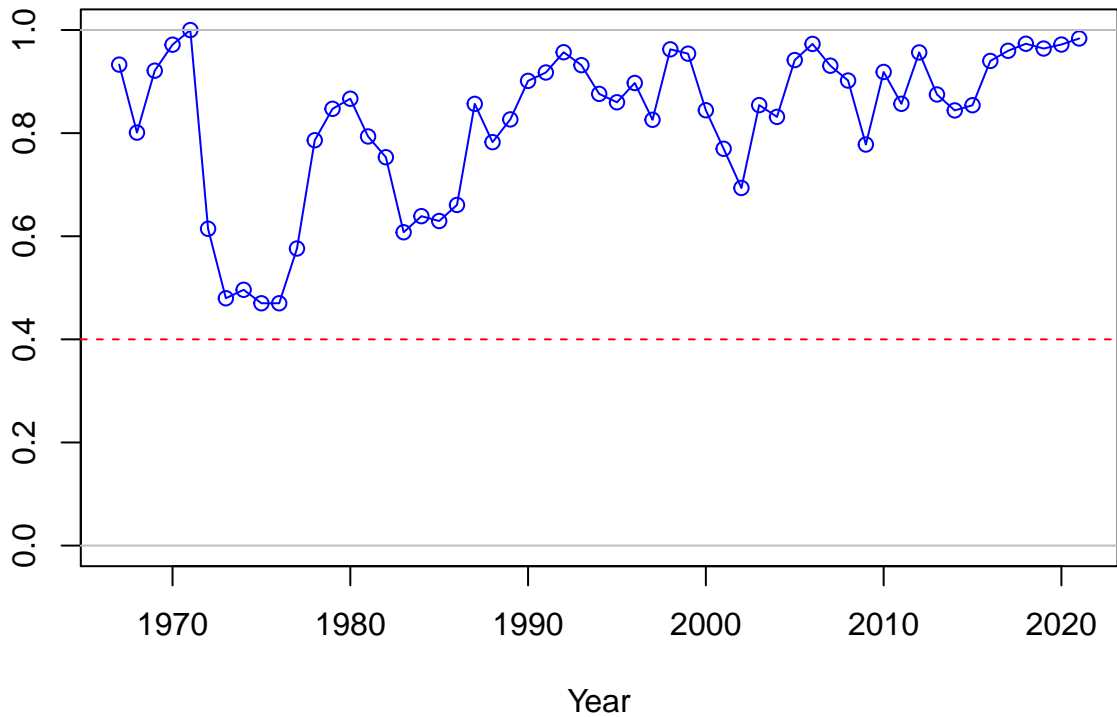


Observed and expected Landings (mt)

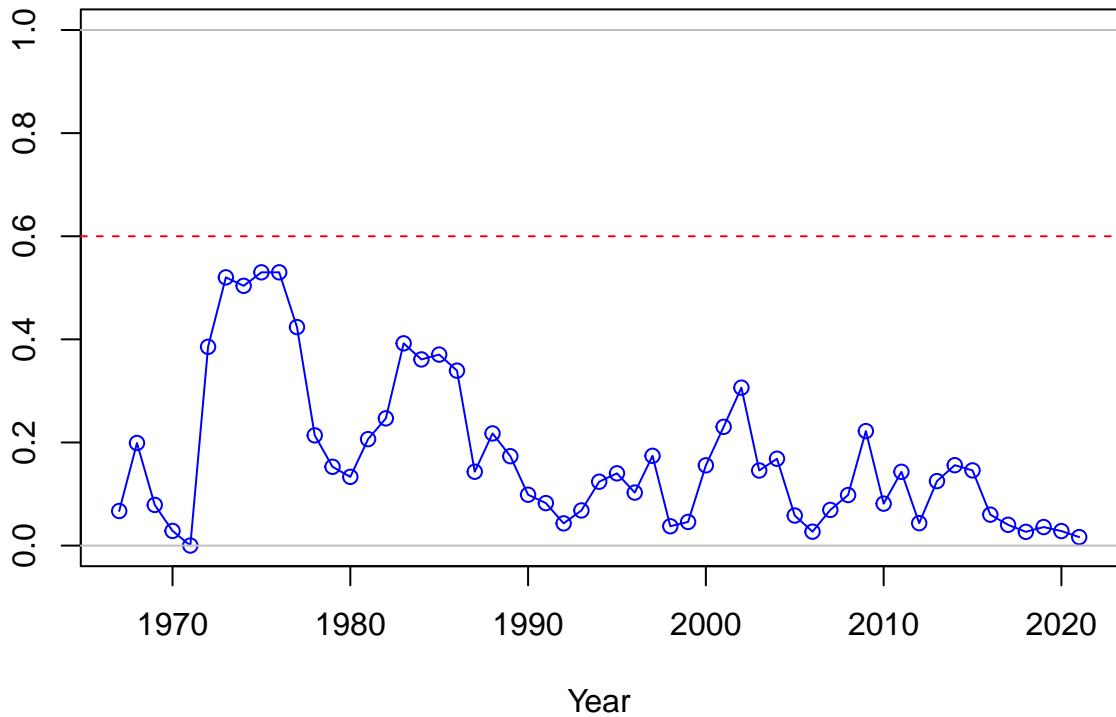




SPR

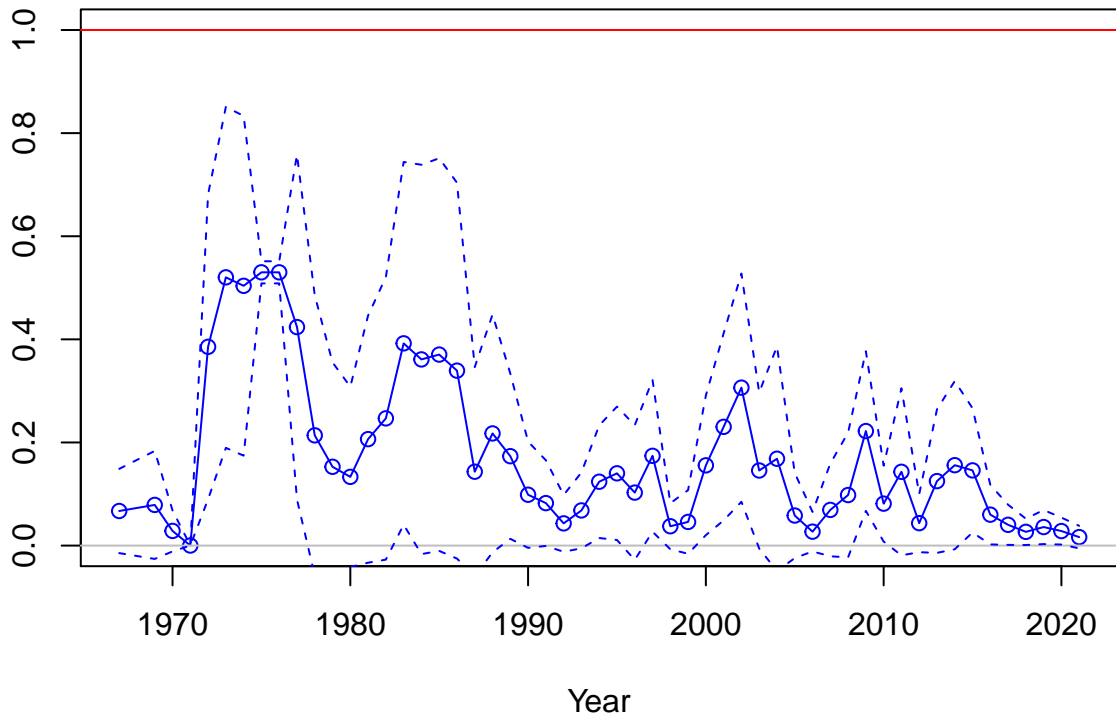


1-SPR

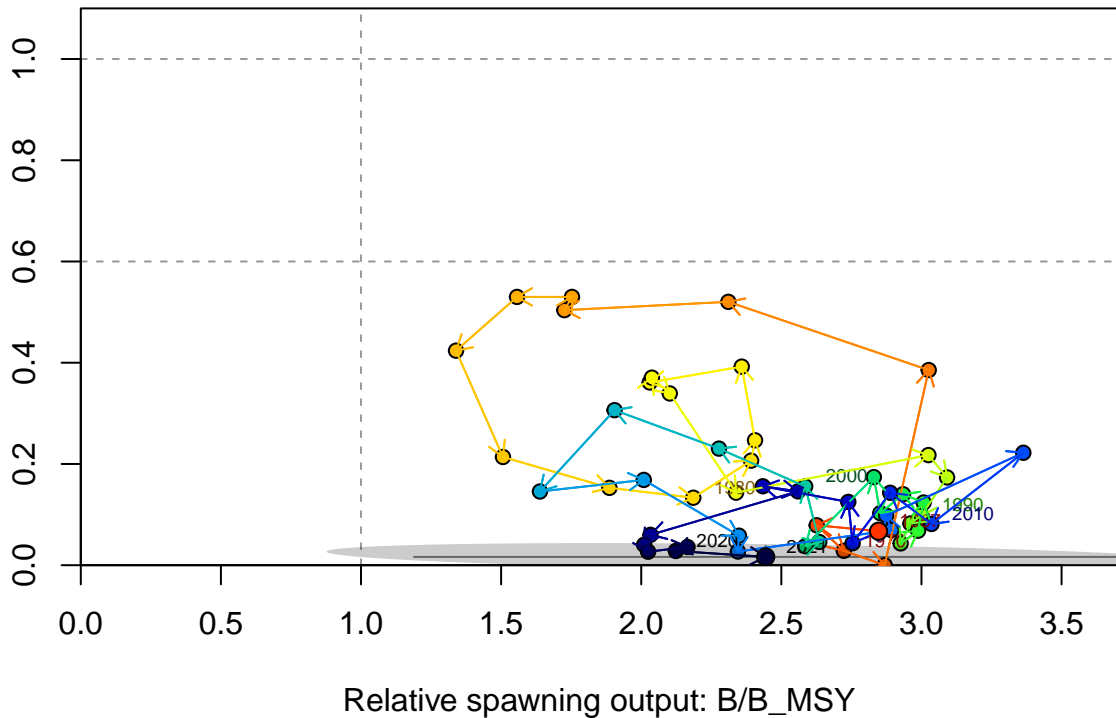




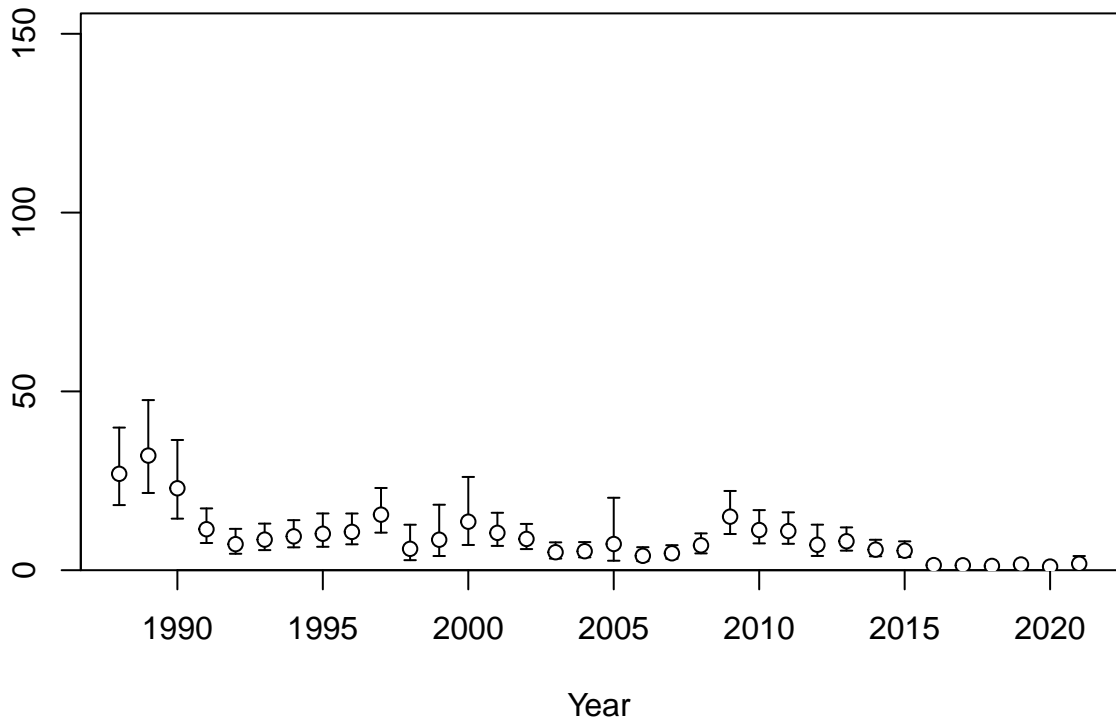
Fishing intensity: 1-SPR



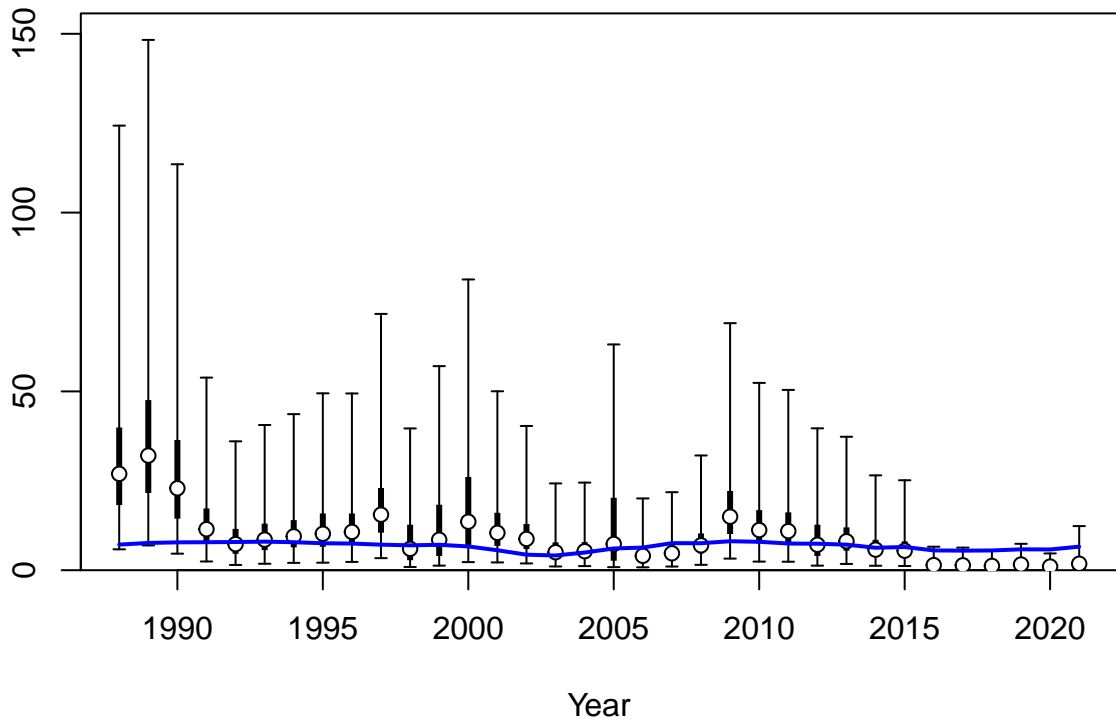
Fishing intensity: 1-SPR

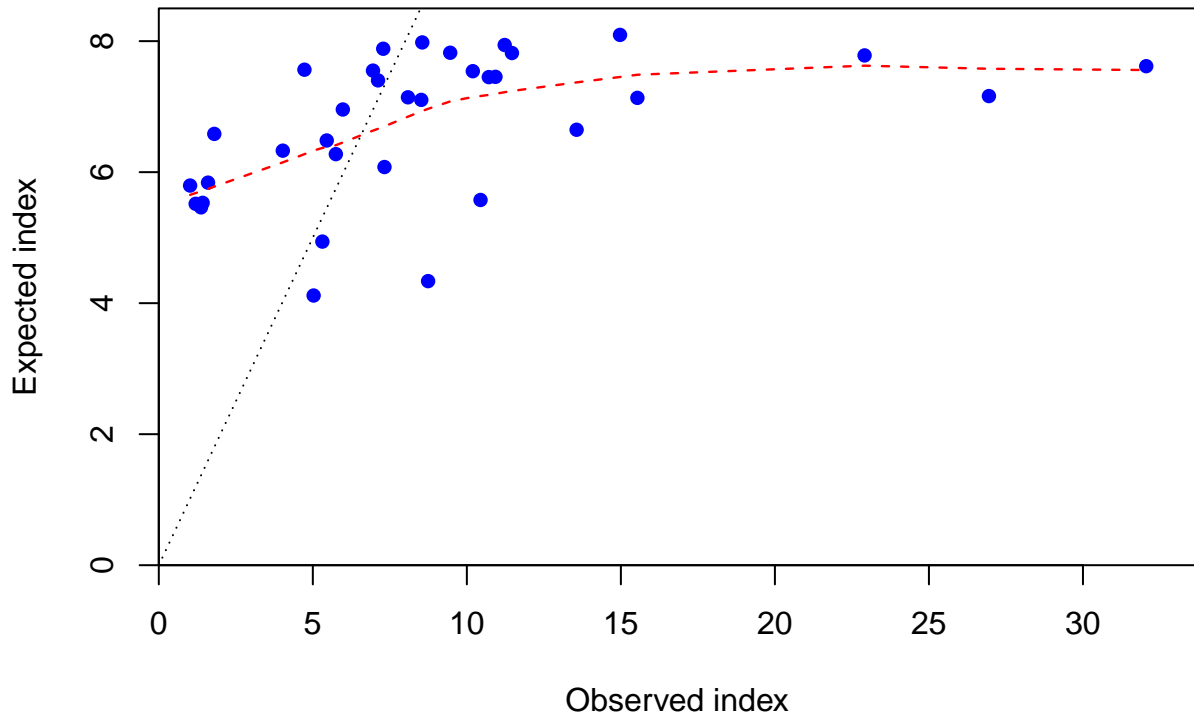


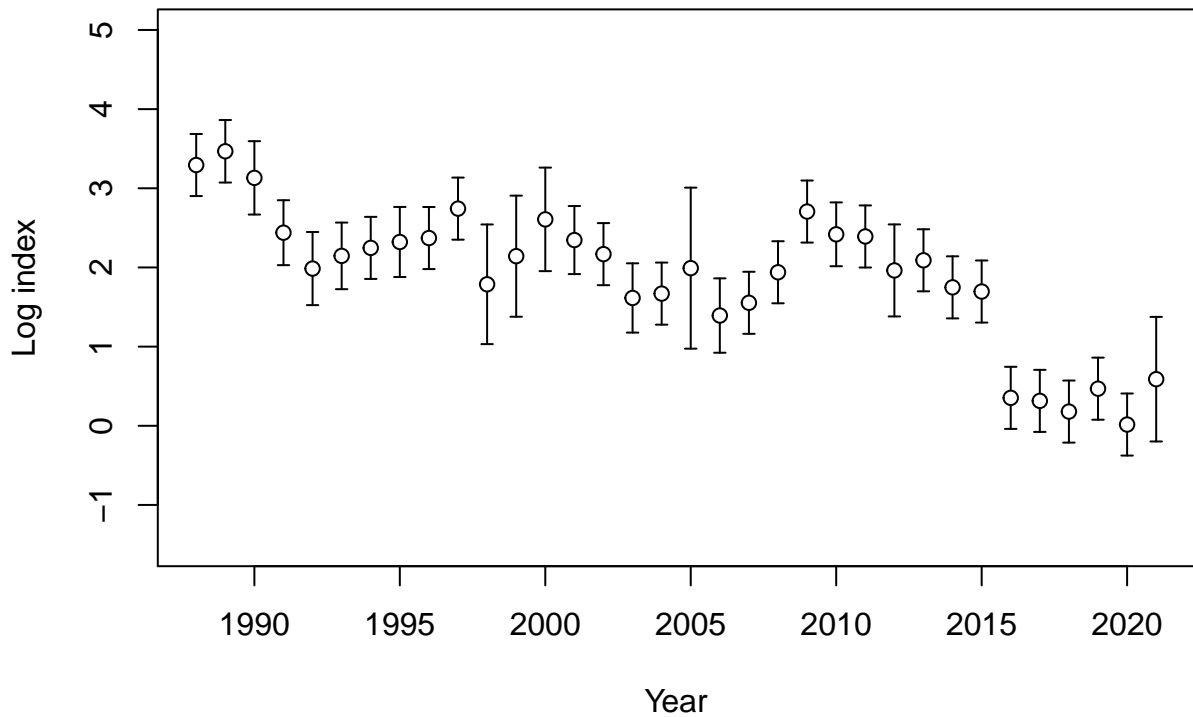
Index



Index







Log index

5  
4  
3  
2  
1  
0  
-1

1990

1995

2000

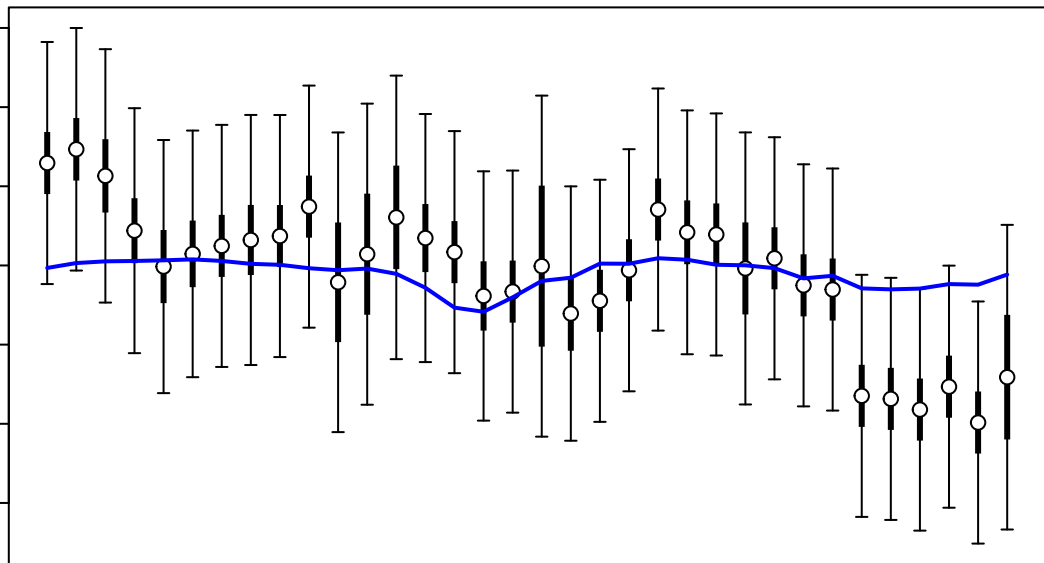
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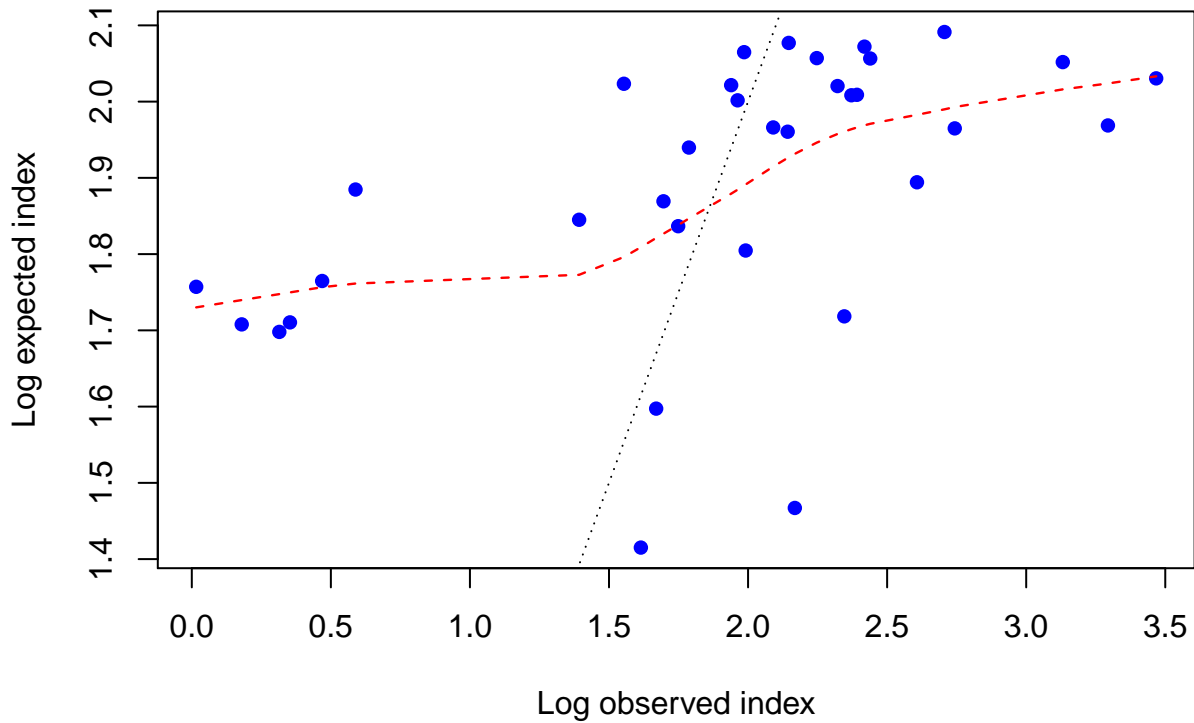
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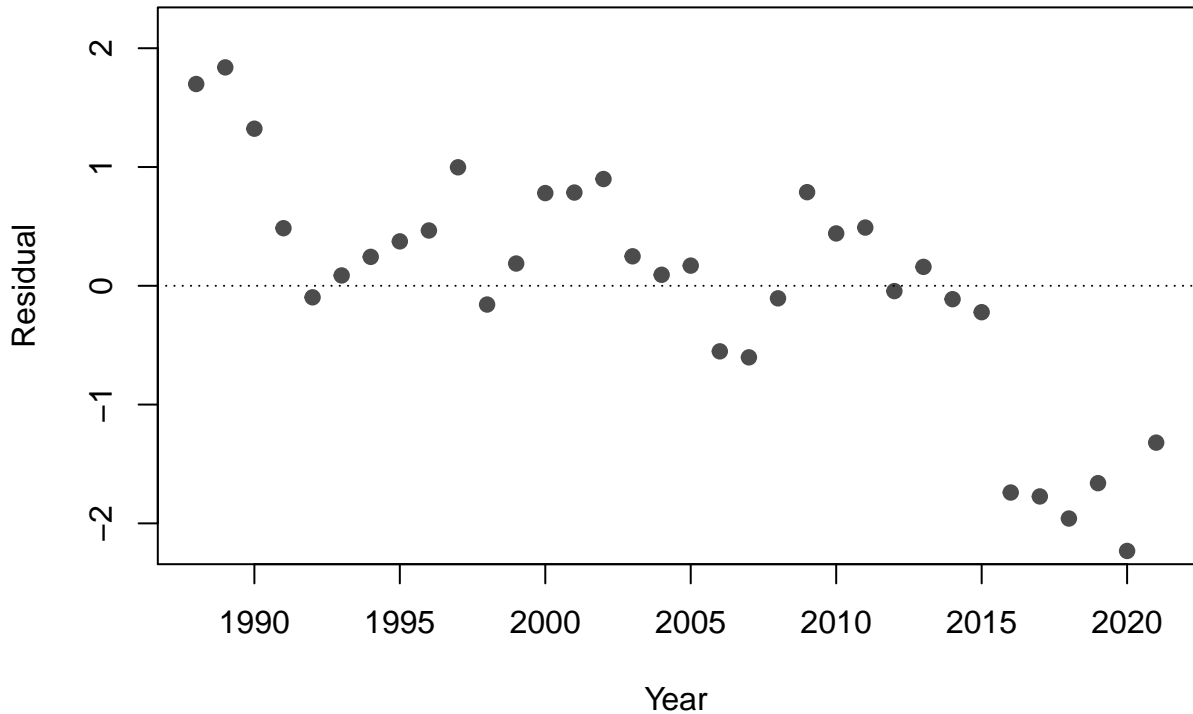
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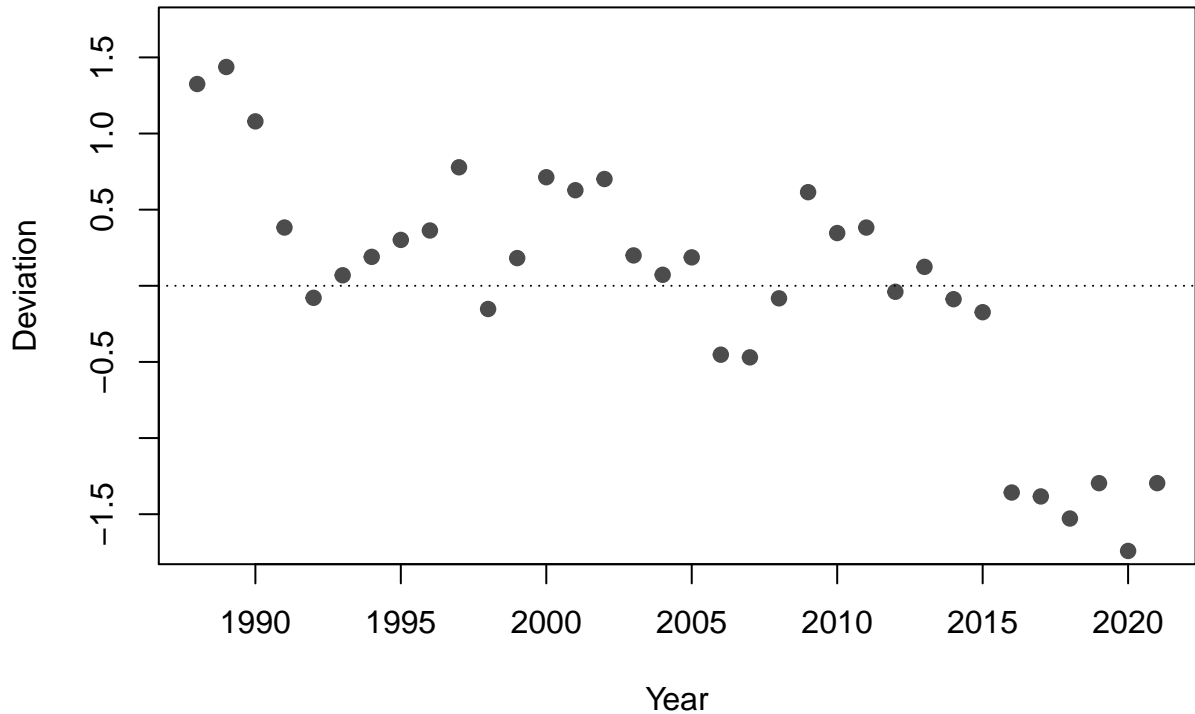
Year

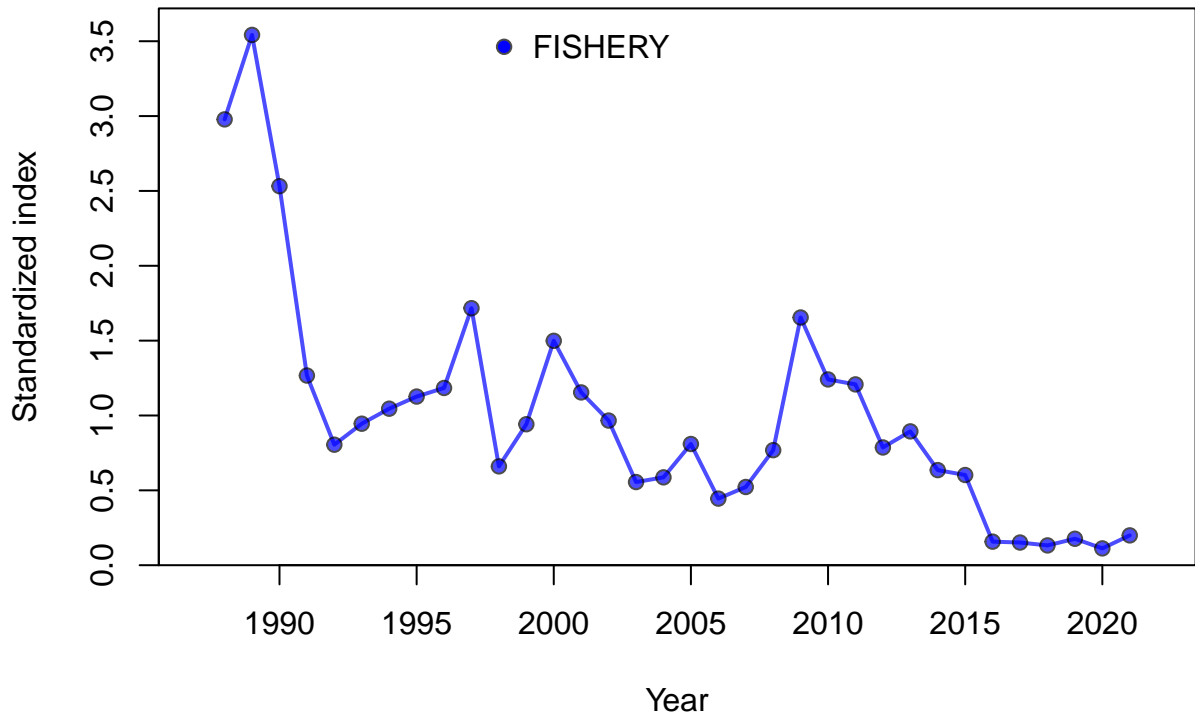


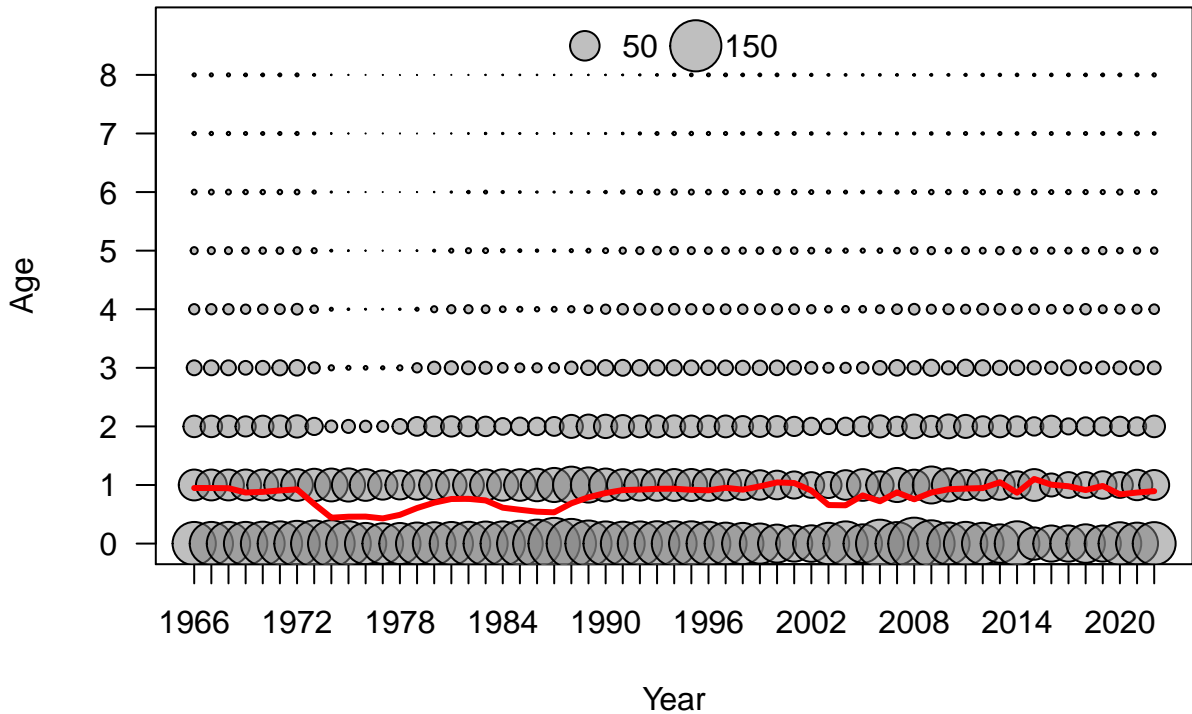


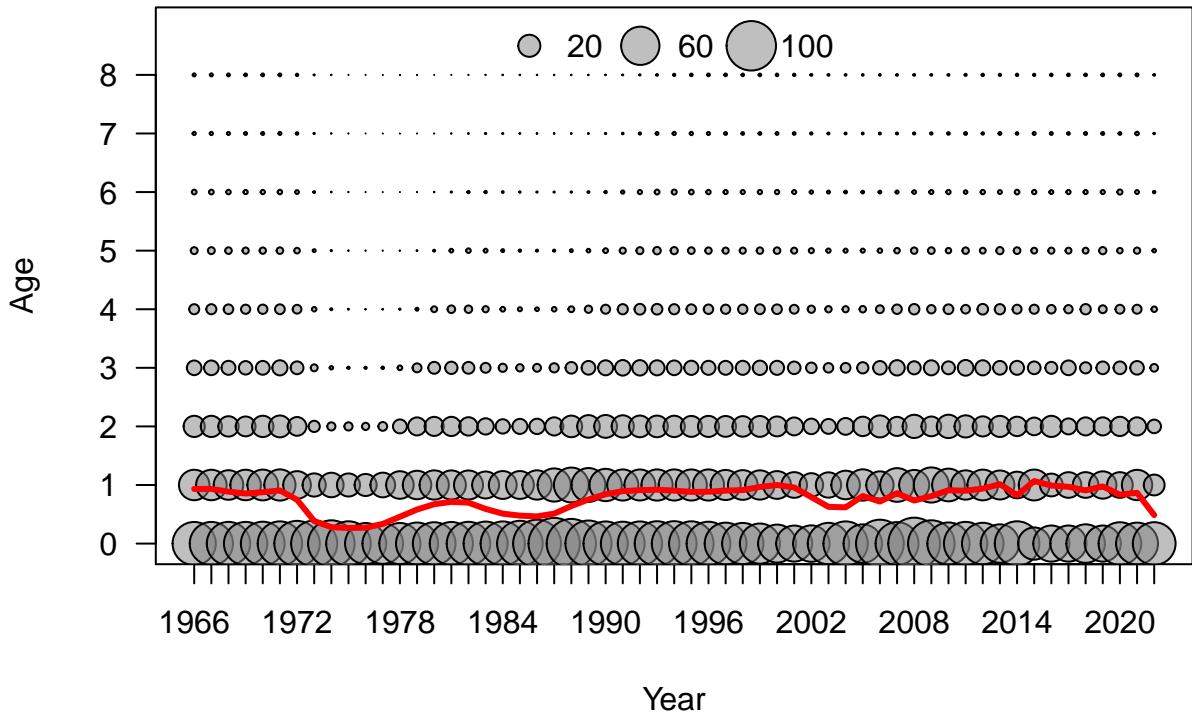


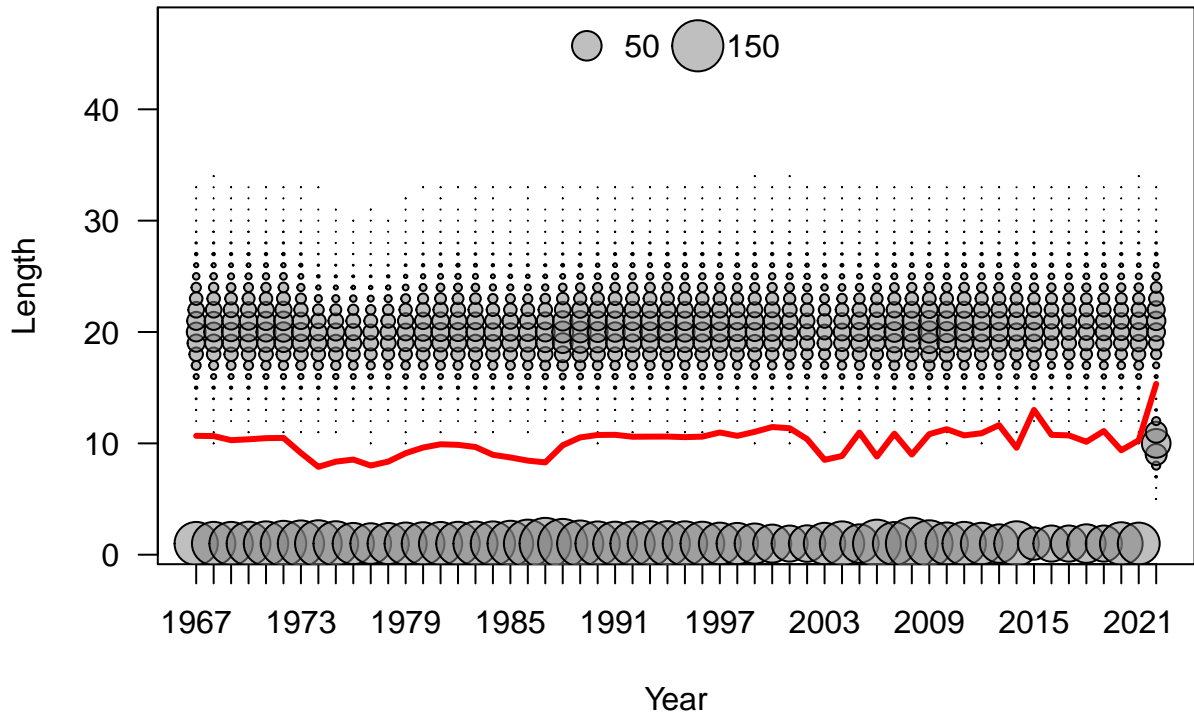


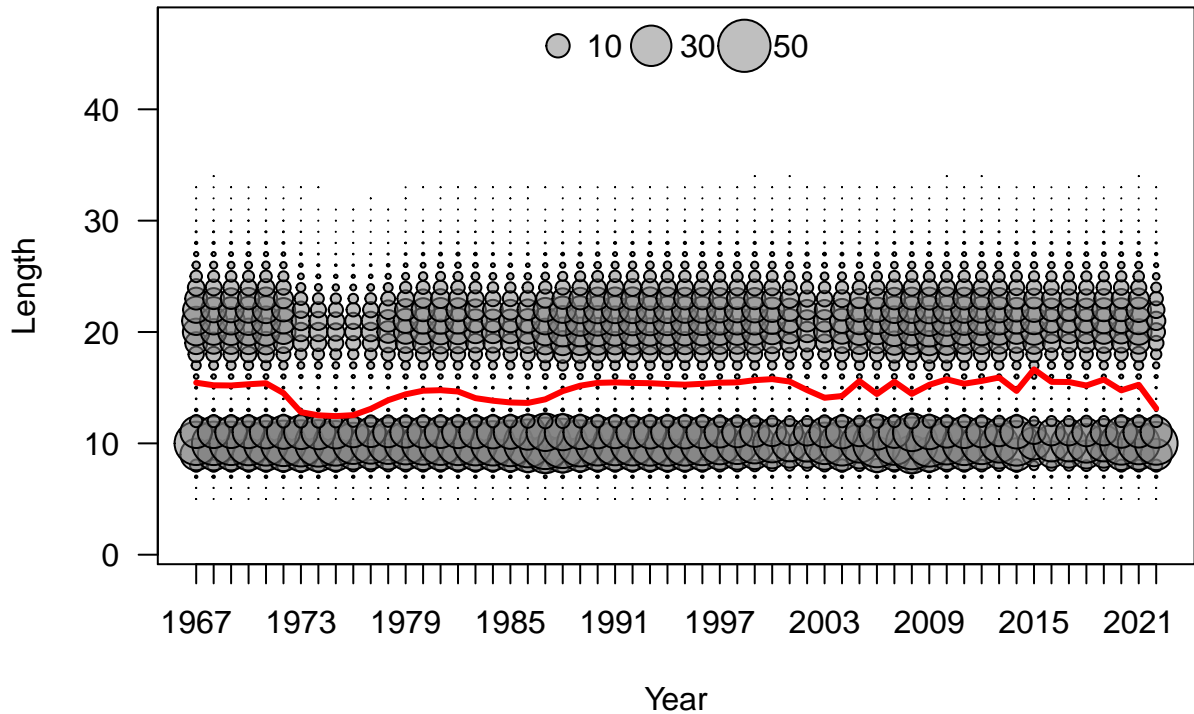


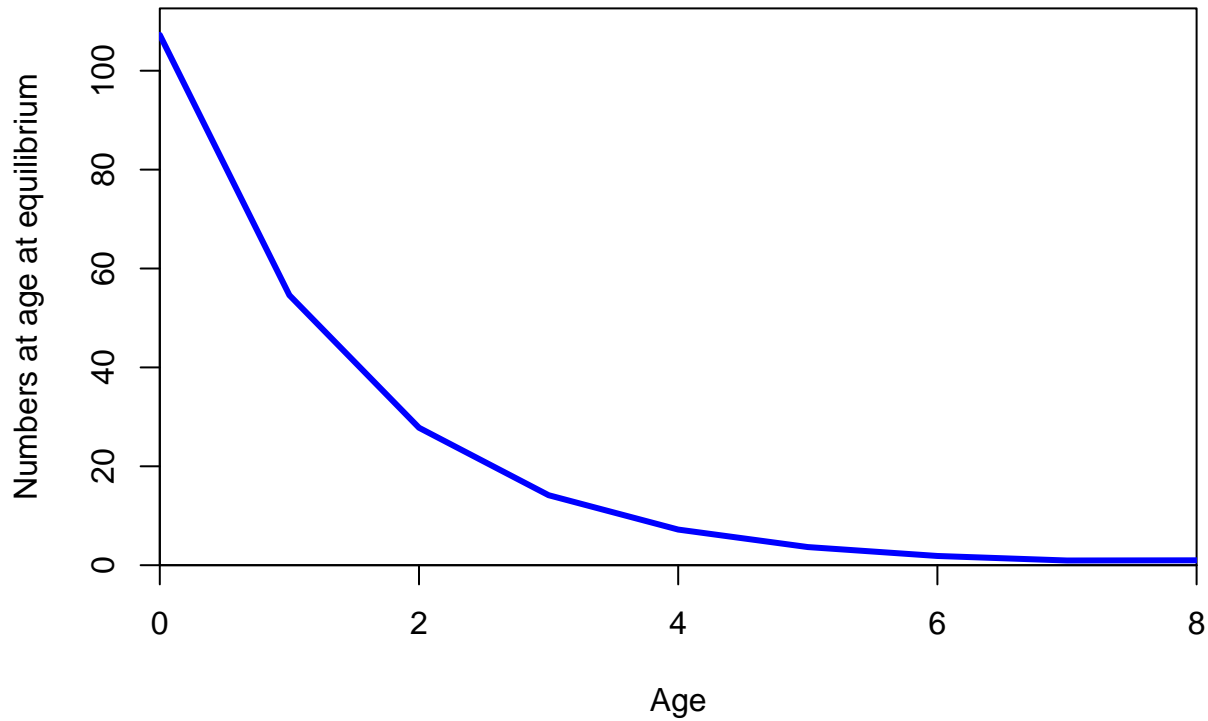




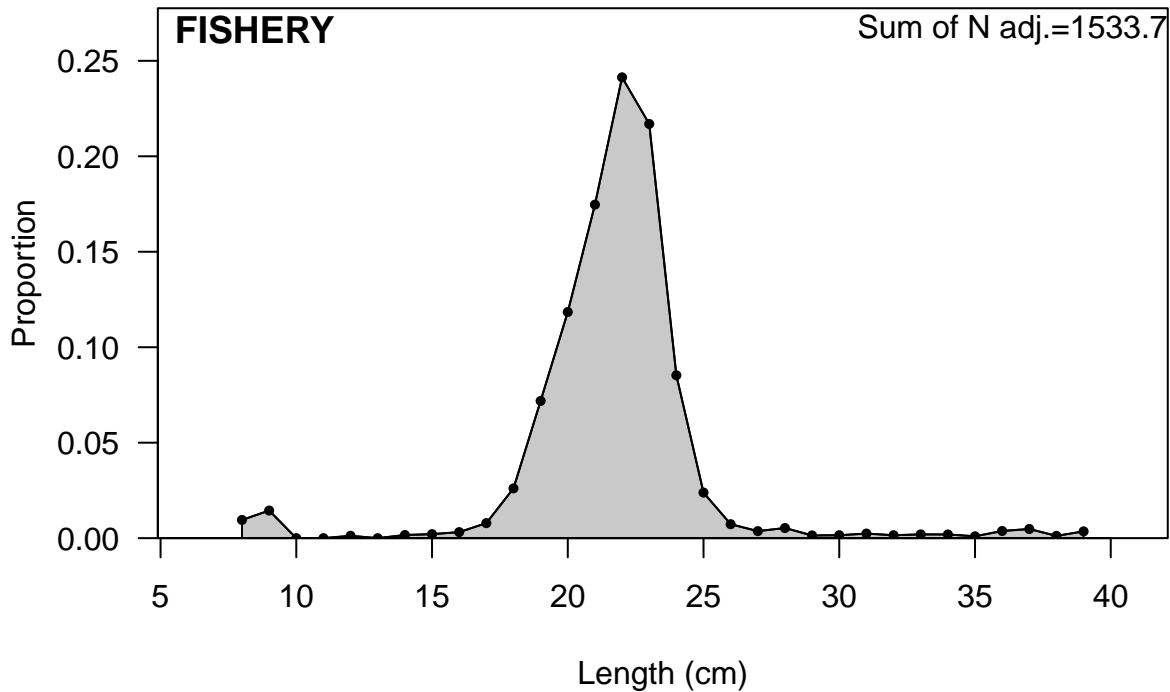


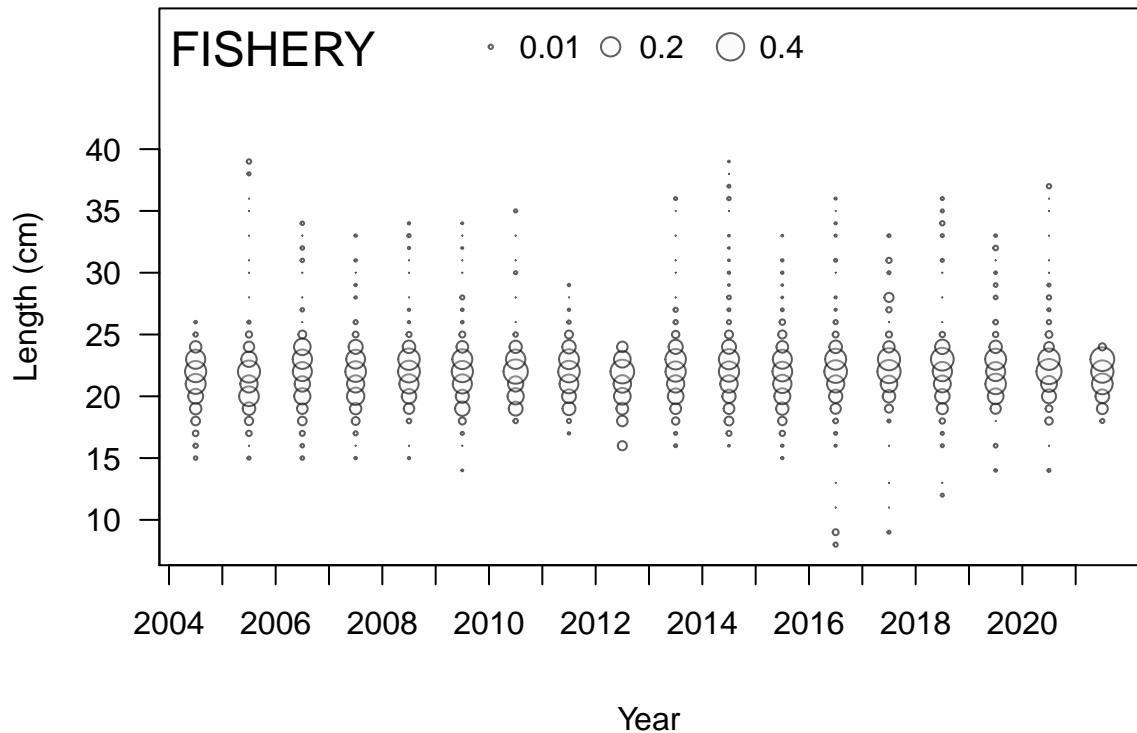




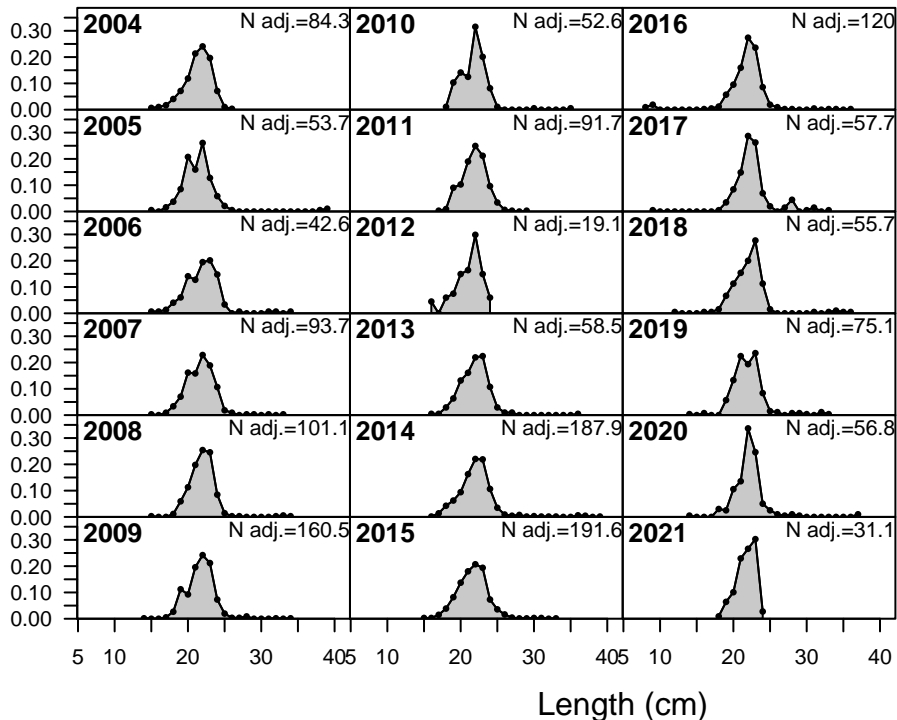


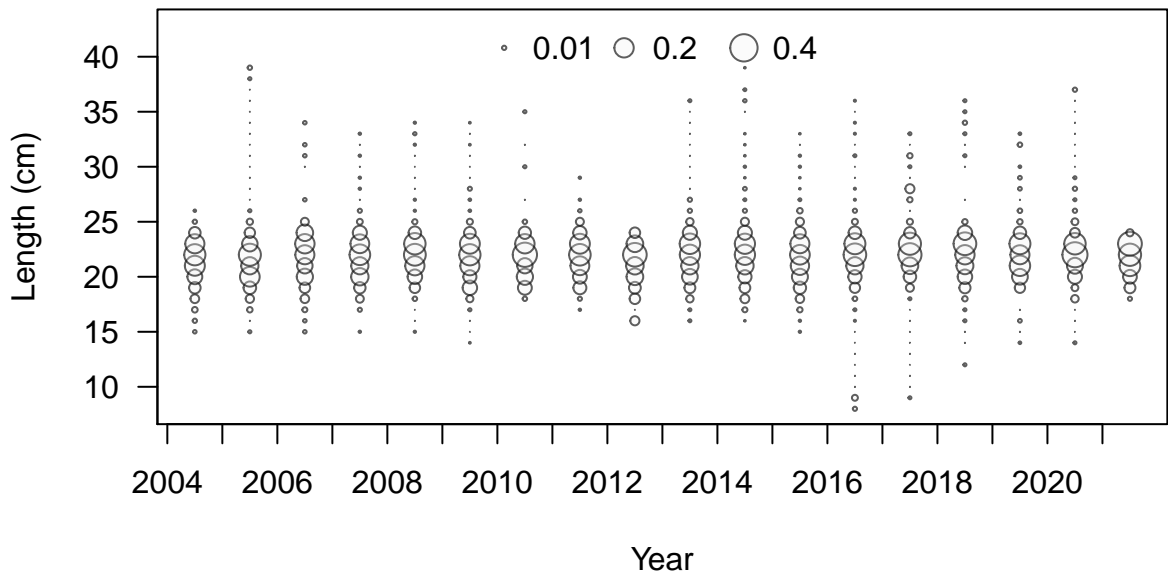




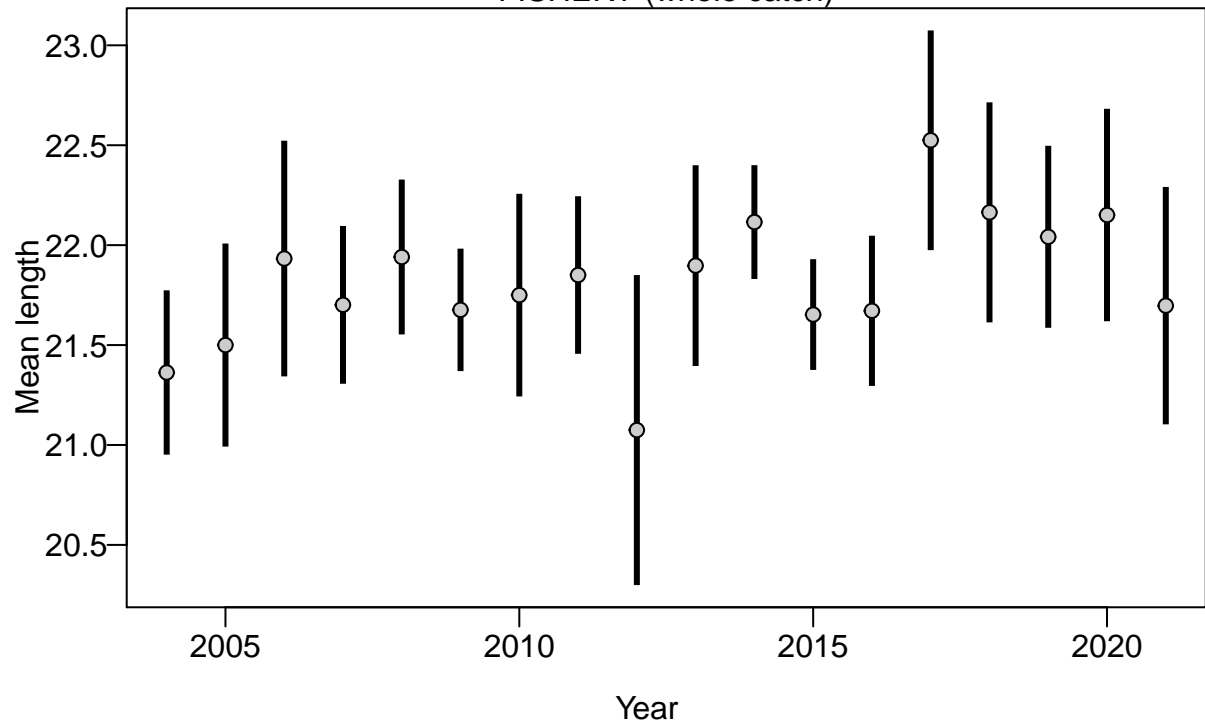


Proportion



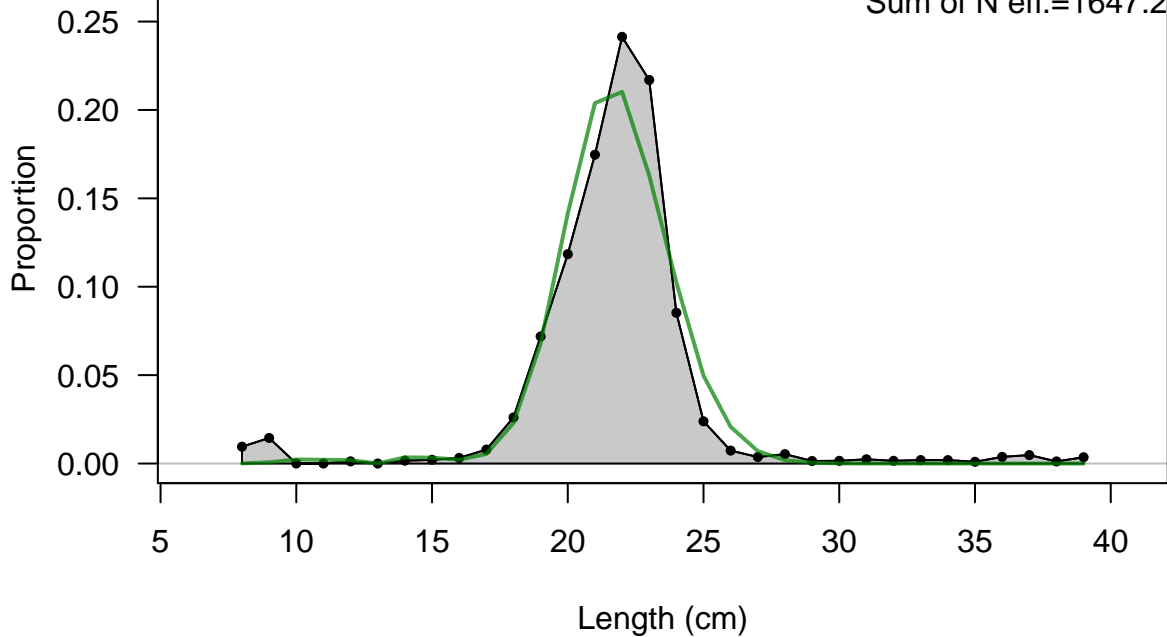


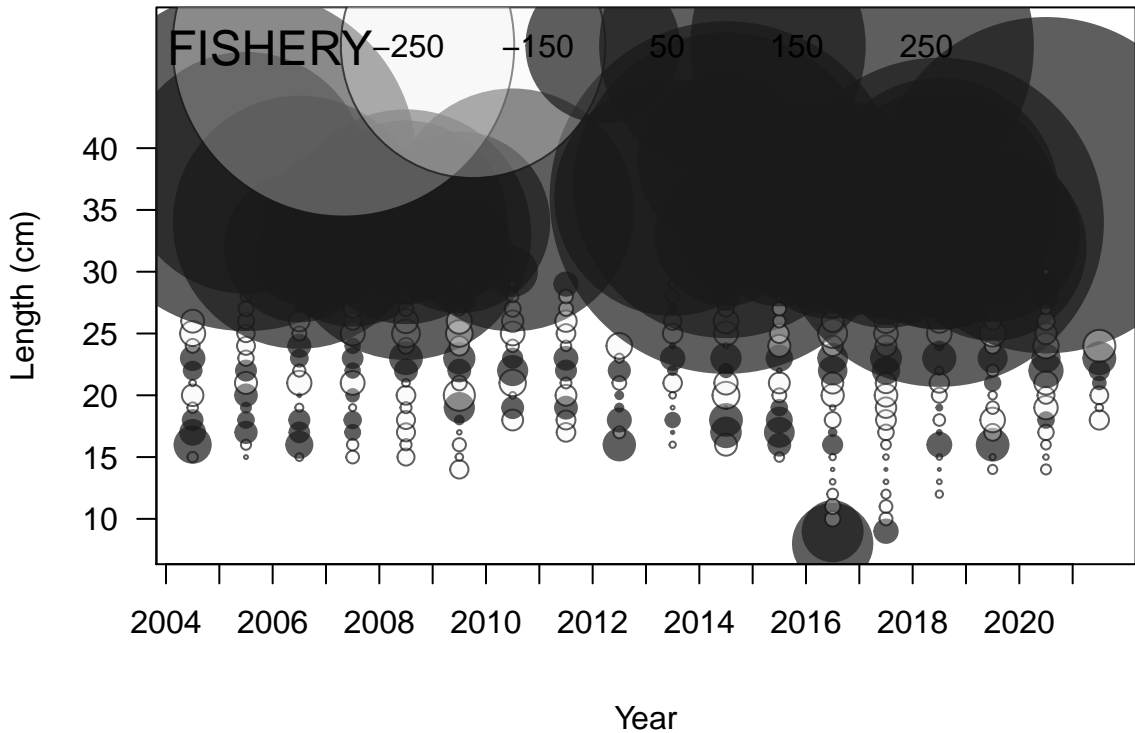
FISHERY (whole catch)

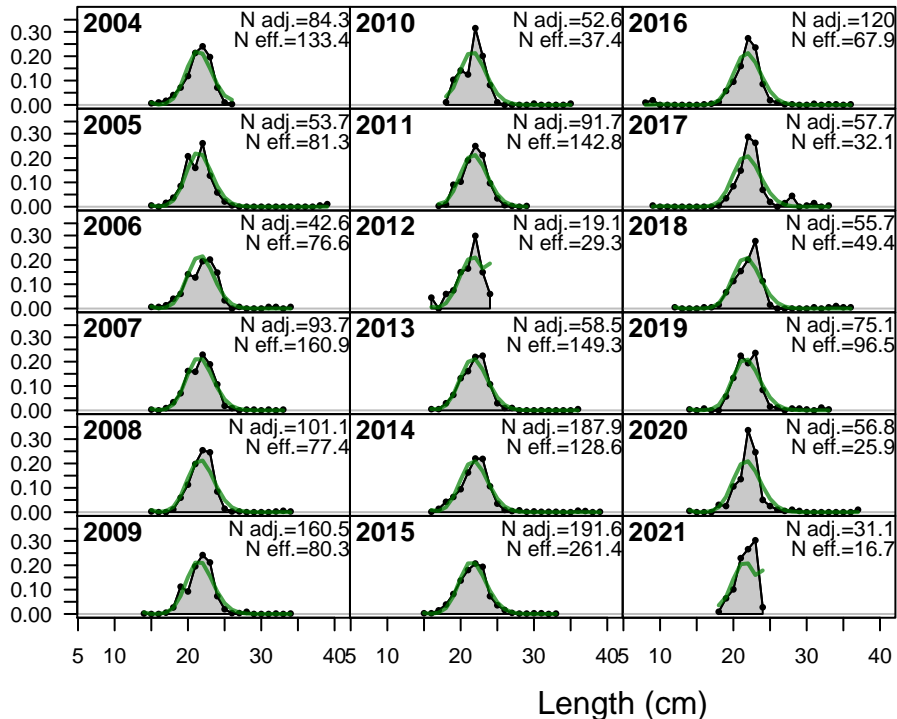


# FISHERY

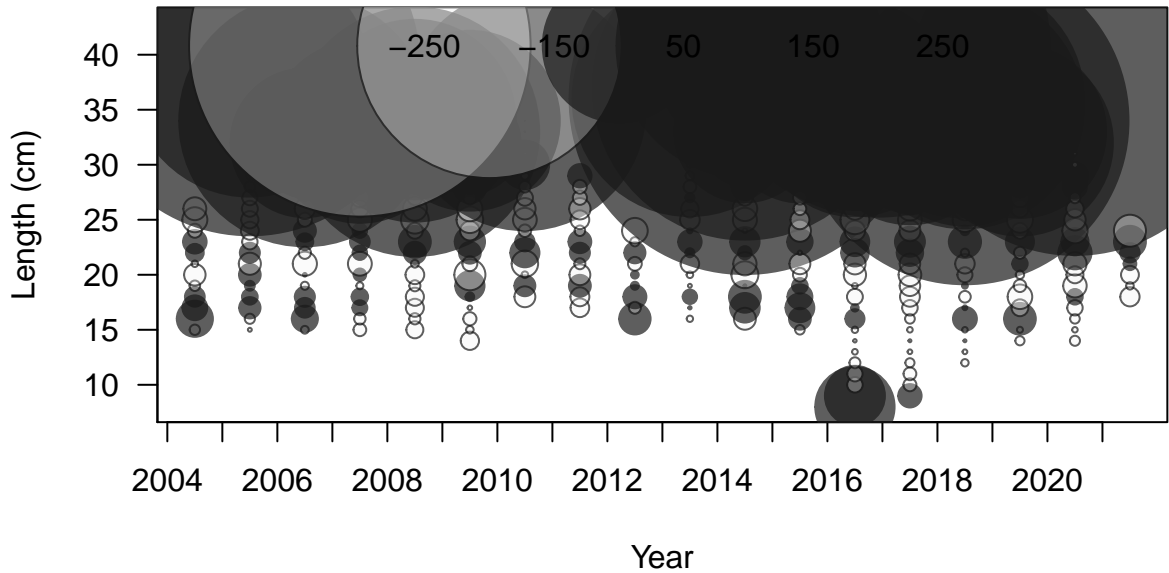
Sum of N adj.=1533.7  
Sum of N eff.=1647.2



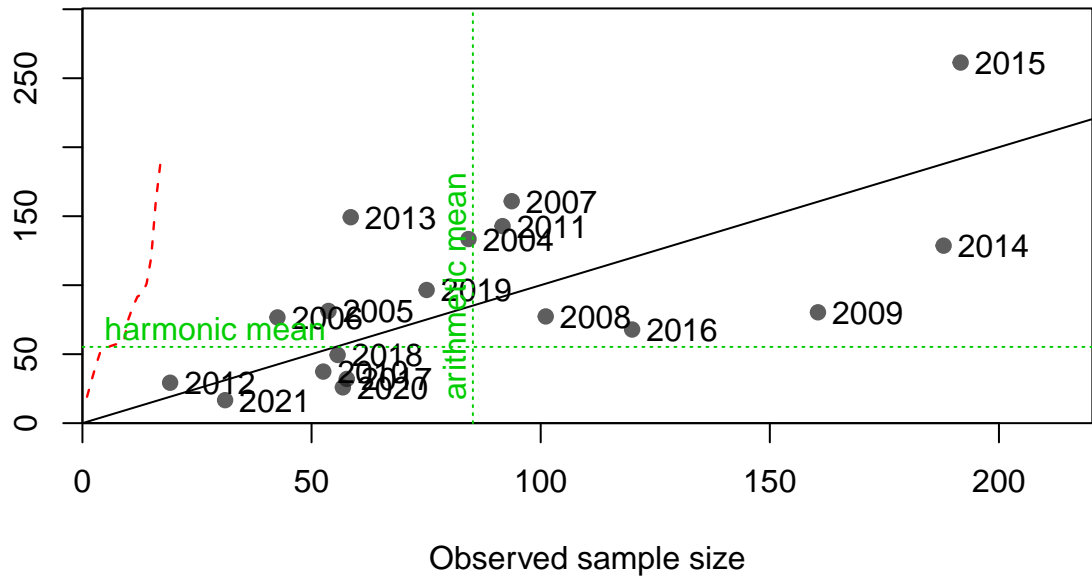




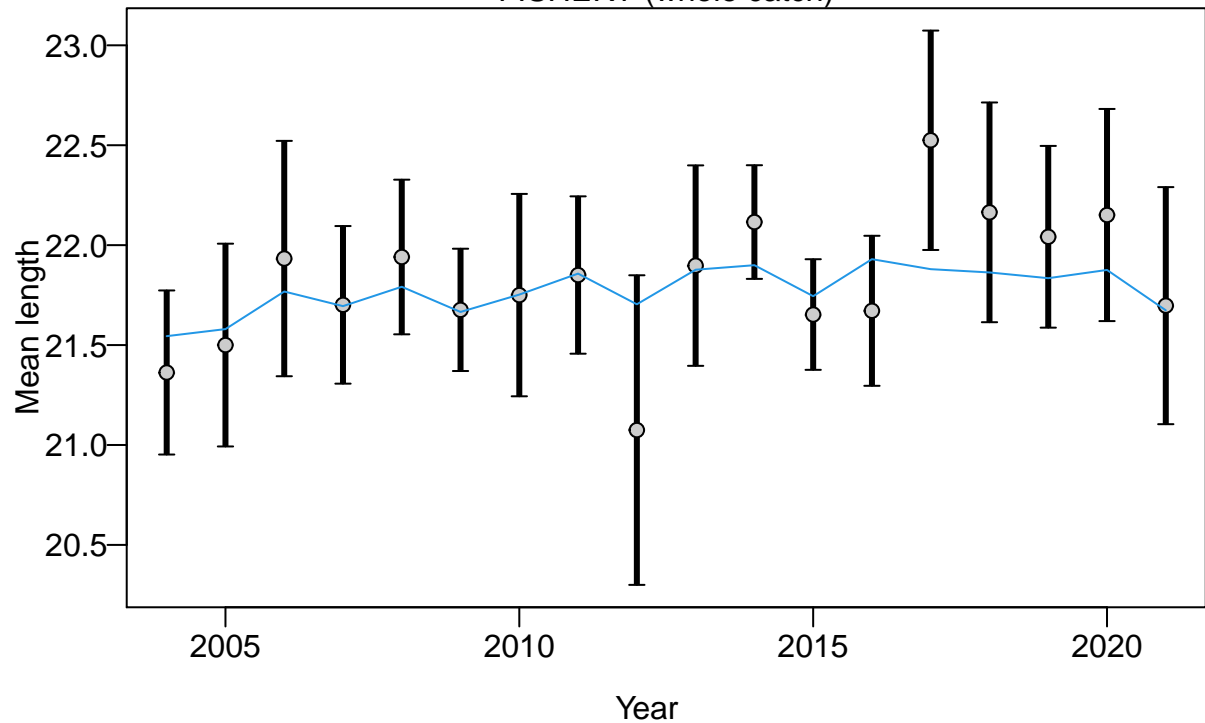


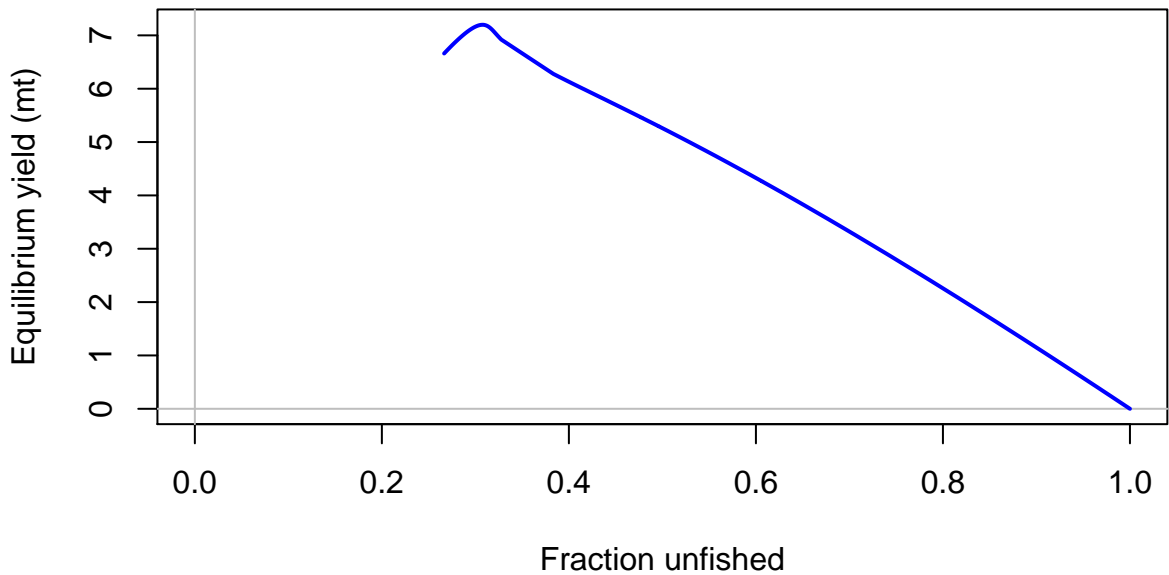


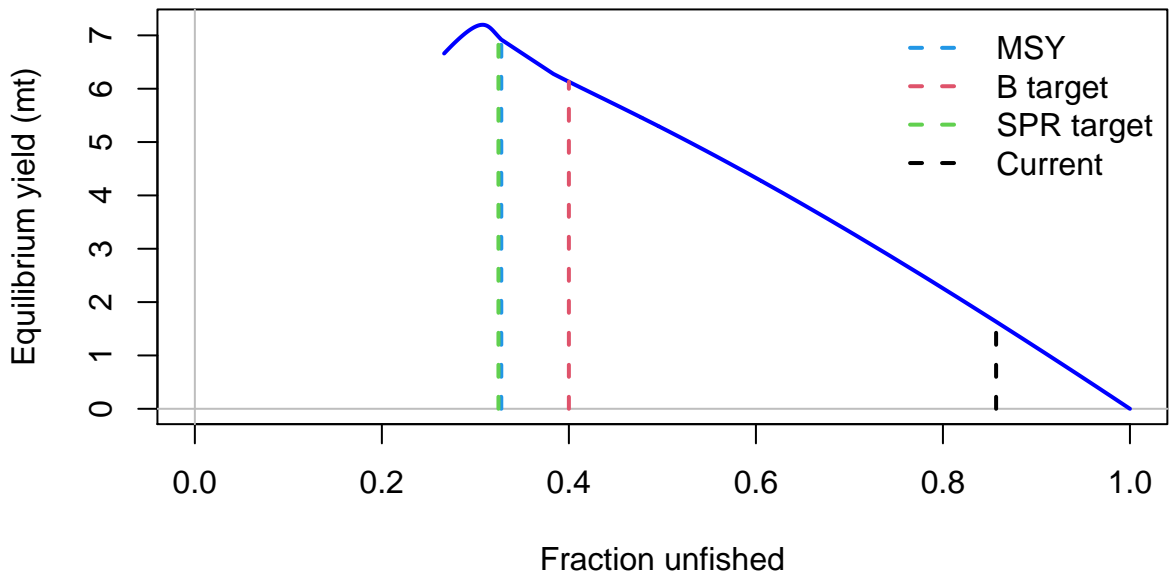
Effective sample size

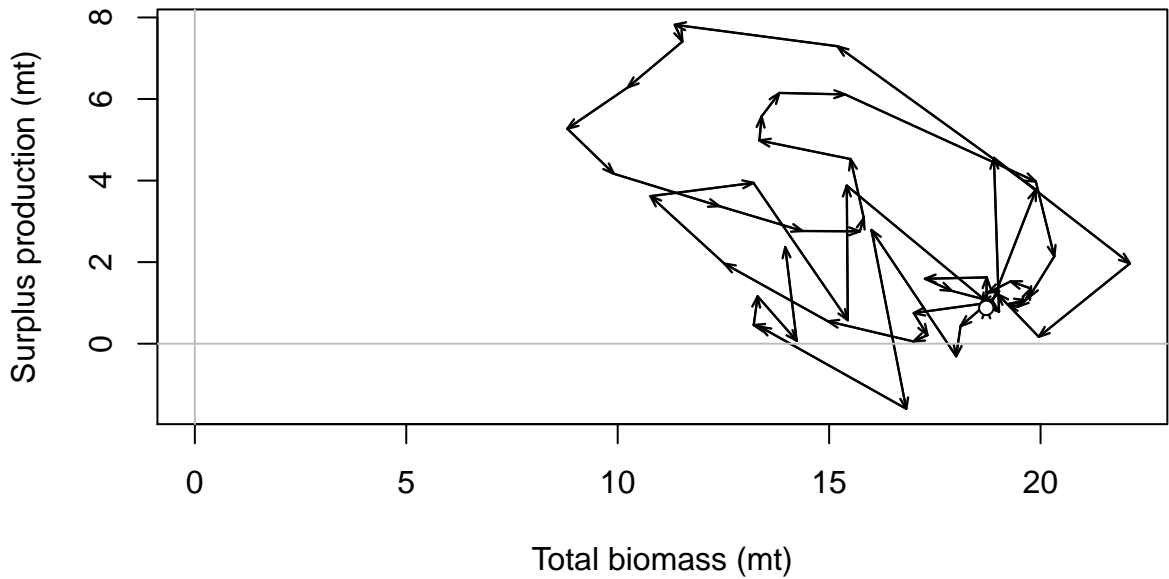


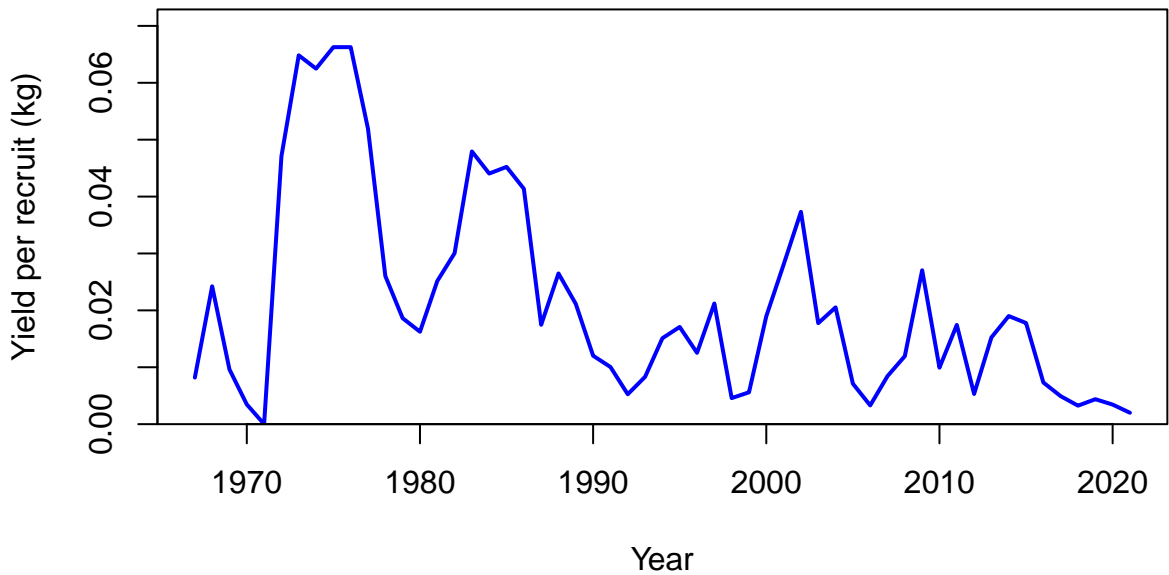
FISHERY (whole catch)

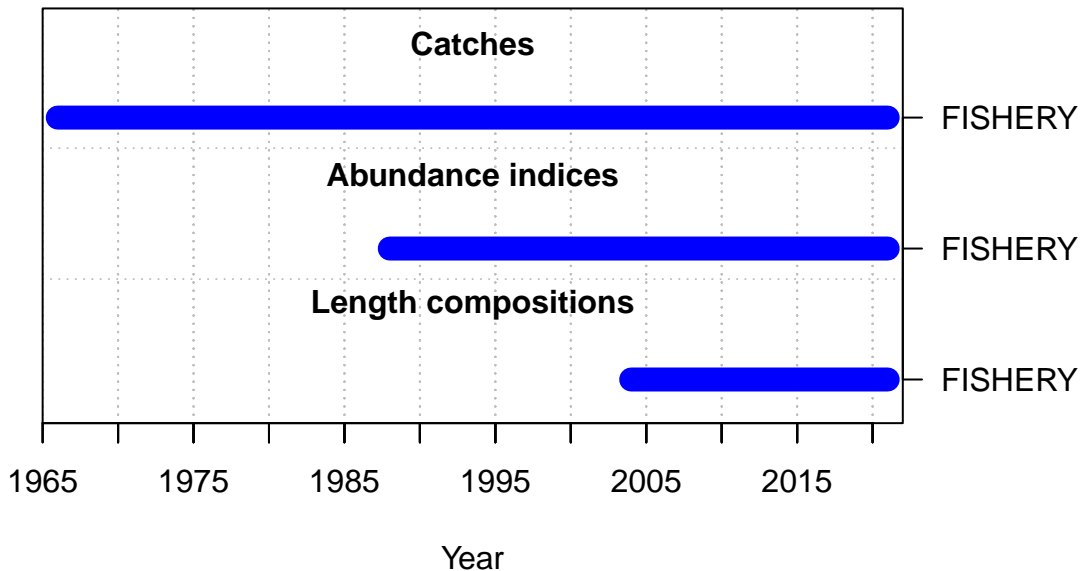




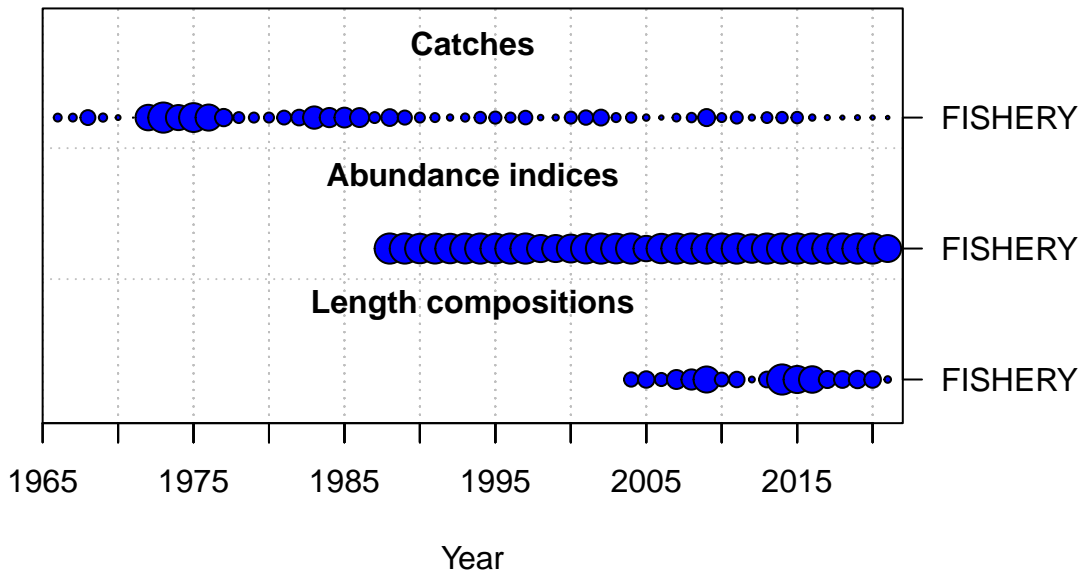




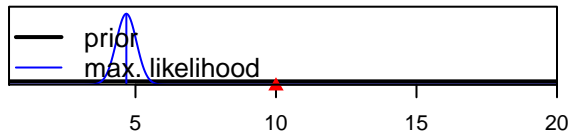




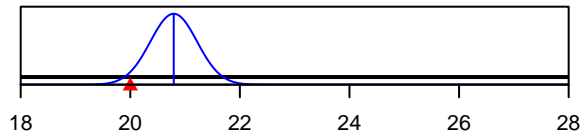




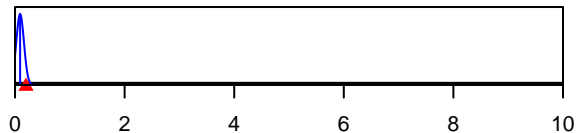
SR\_LN(R0)



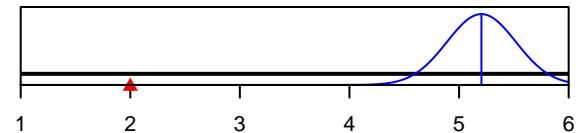
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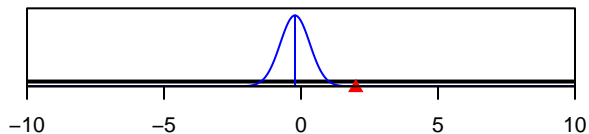
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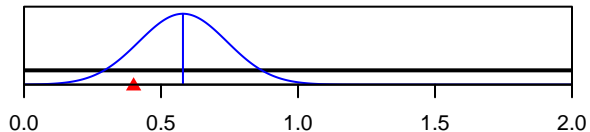
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LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value