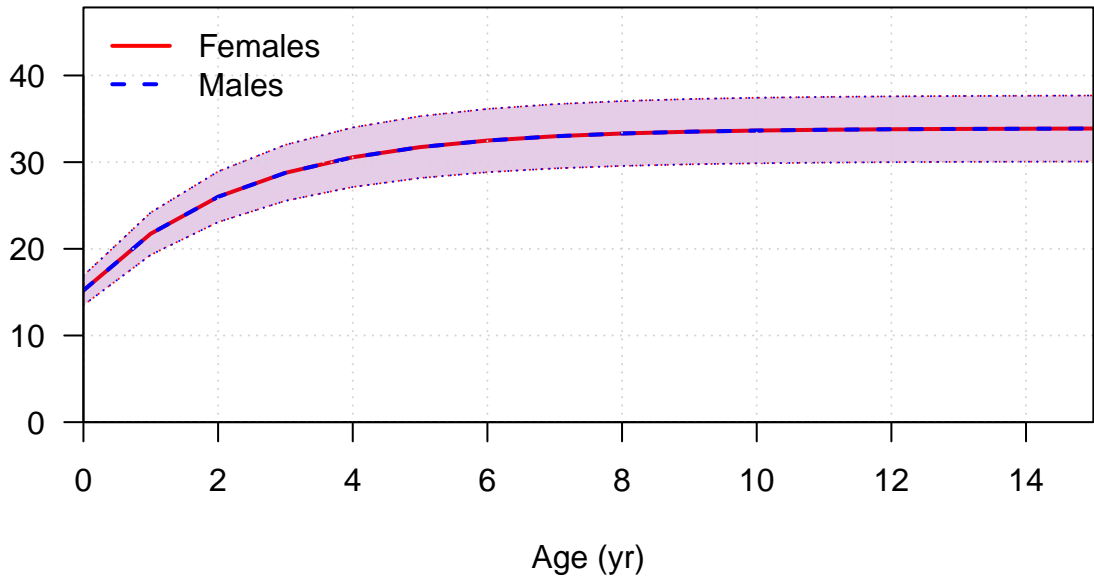
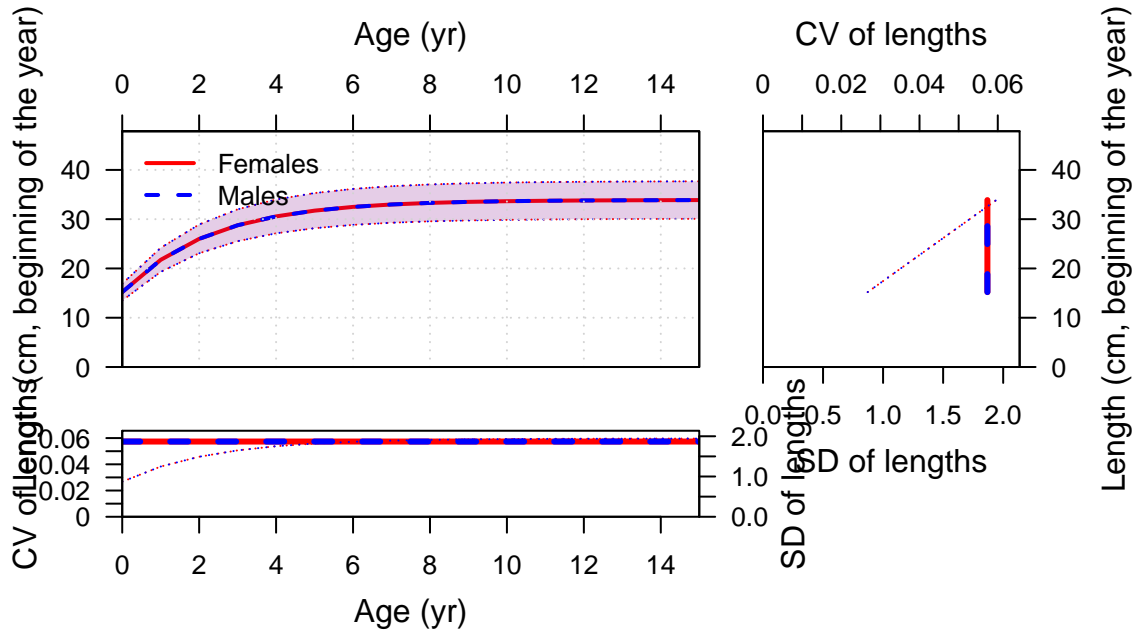
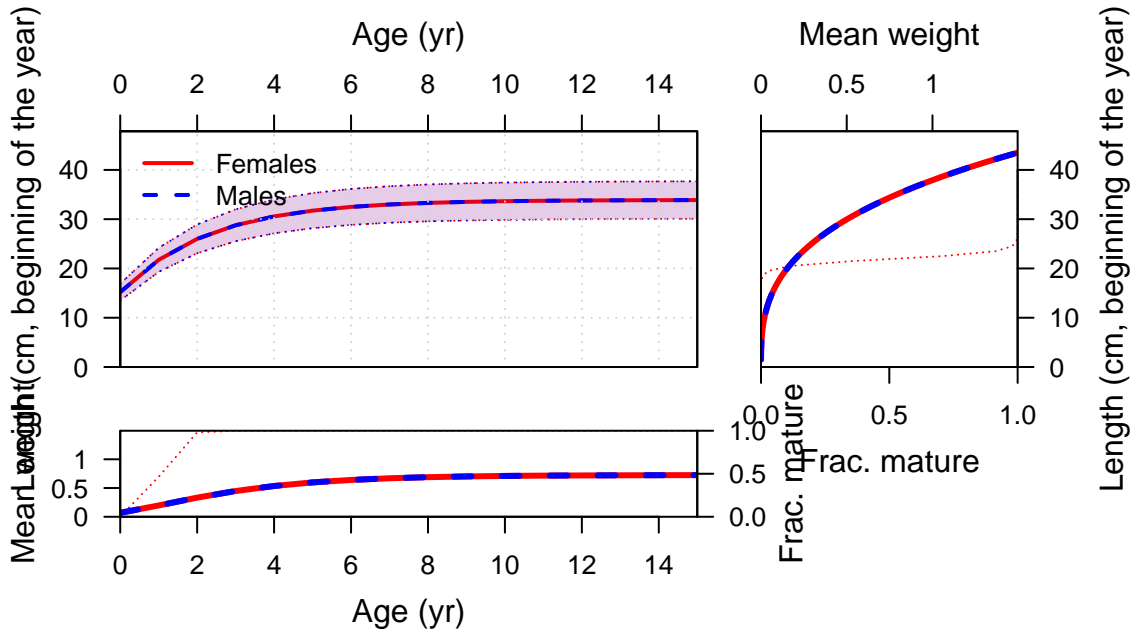


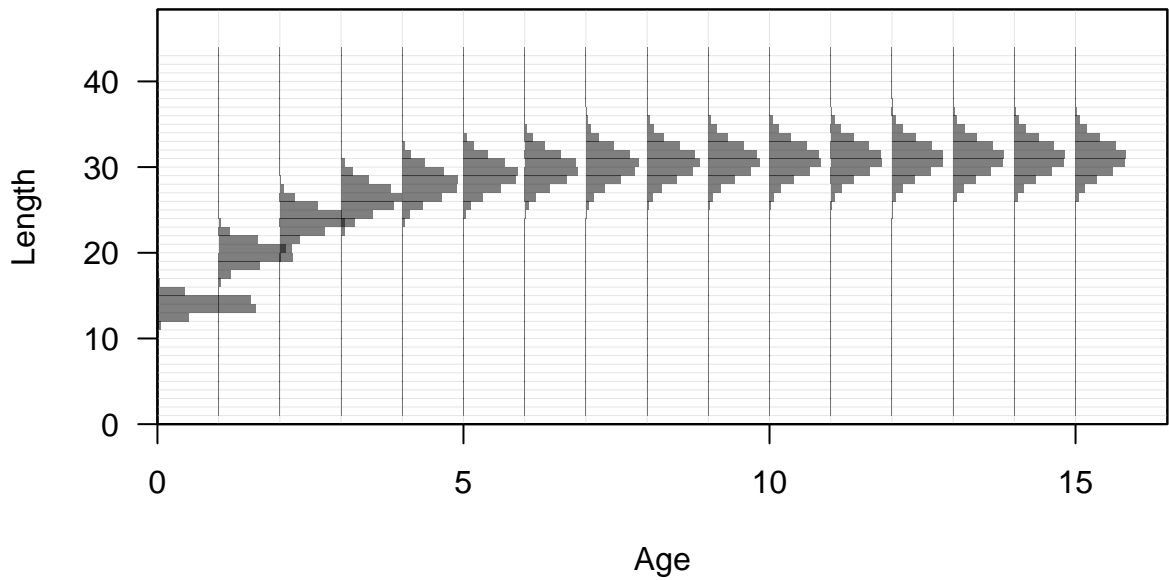
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Sun Oct 16 20:03:33 2022  
Data\_File: data.ss  
Control\_File: control.ss

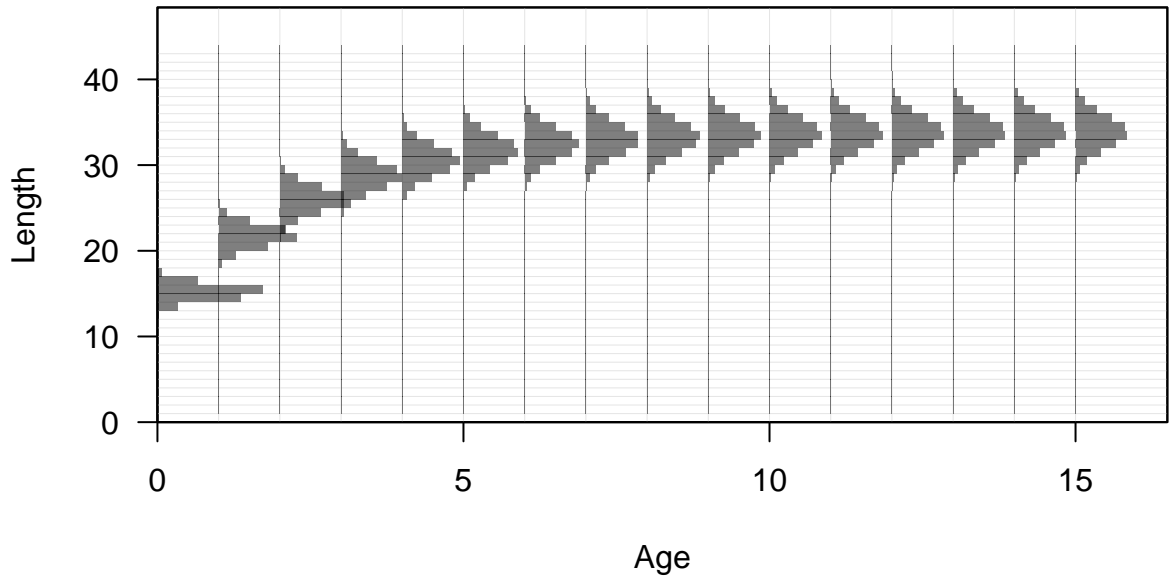
Length (cm, beginning of the year)

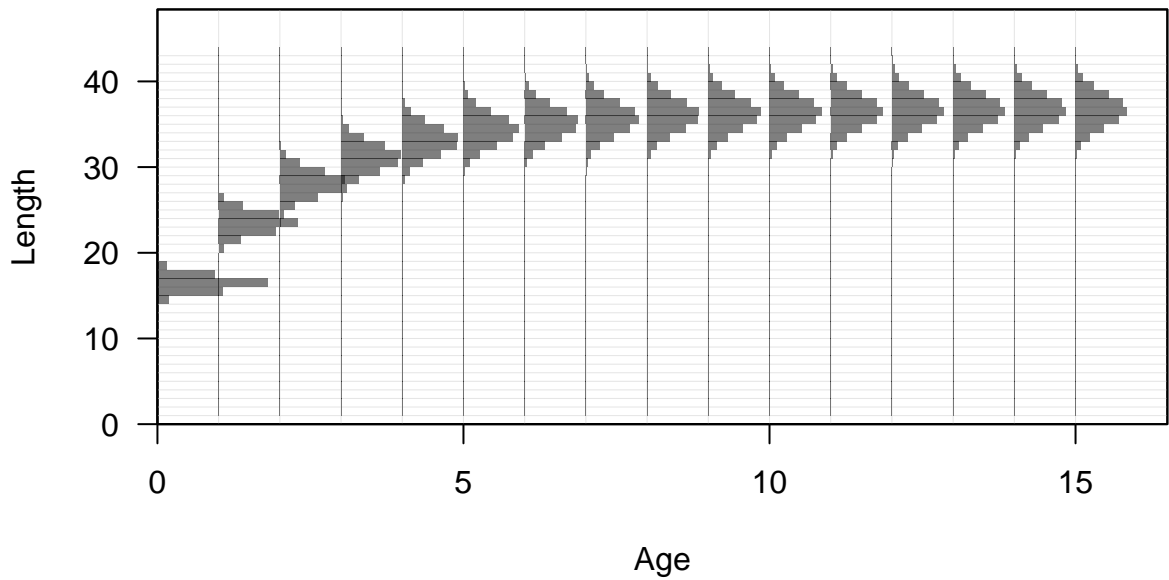


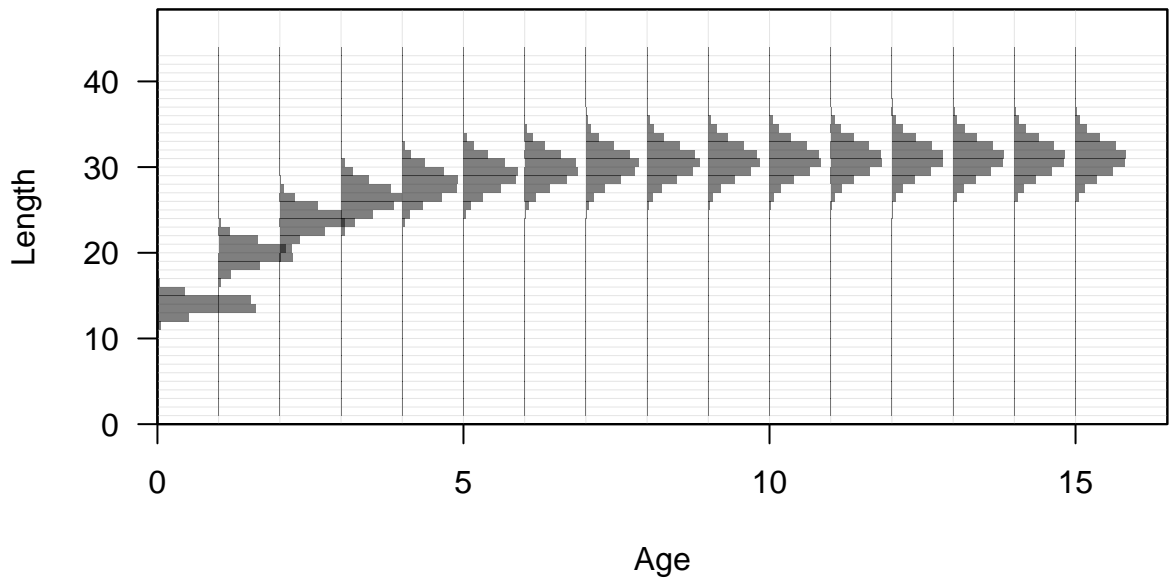




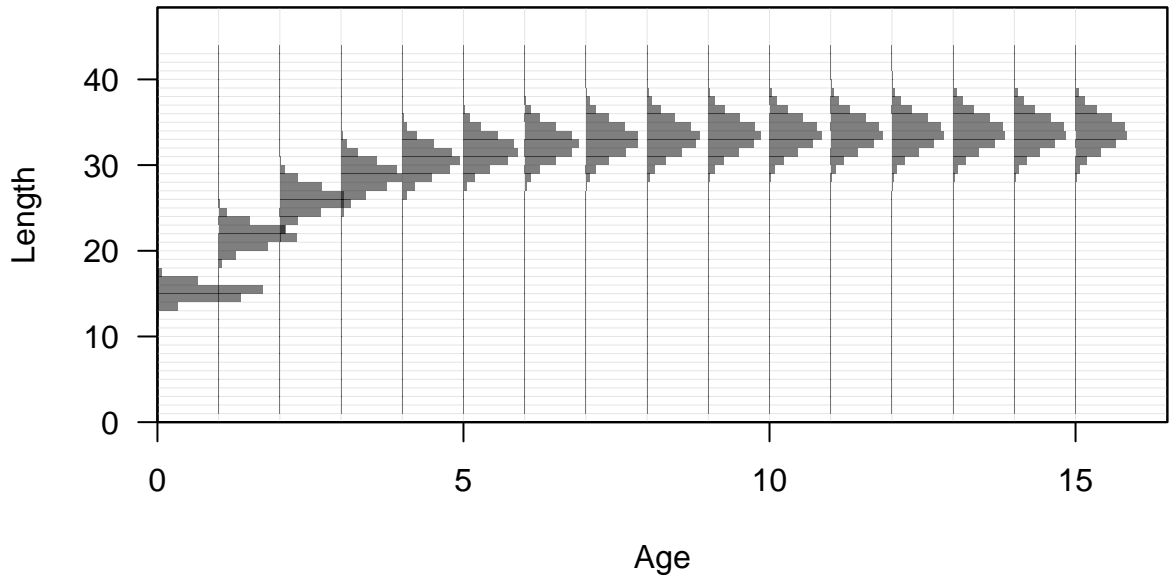


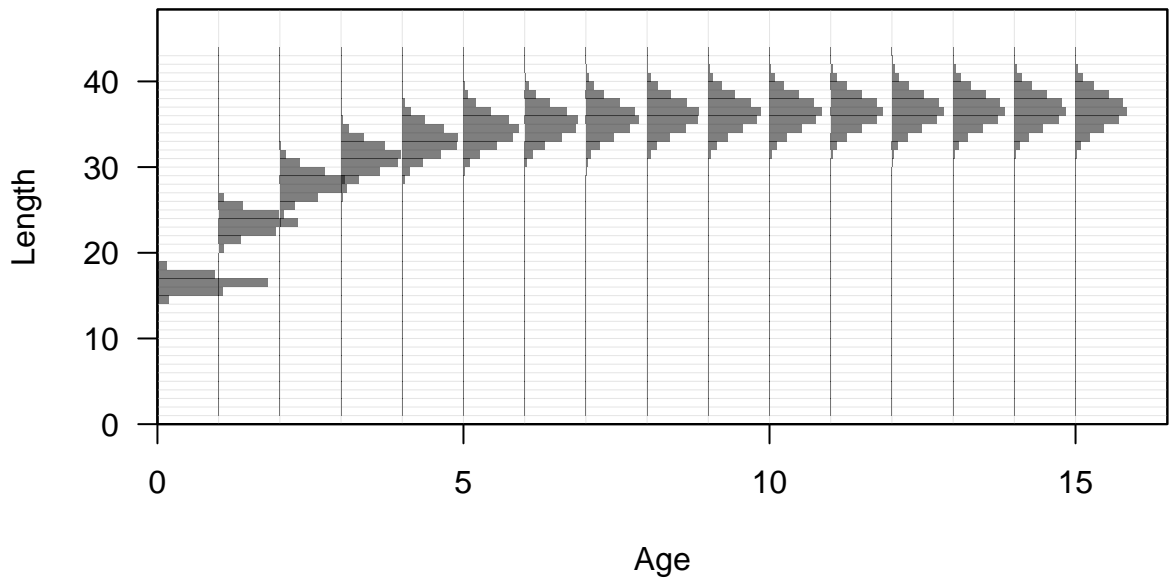


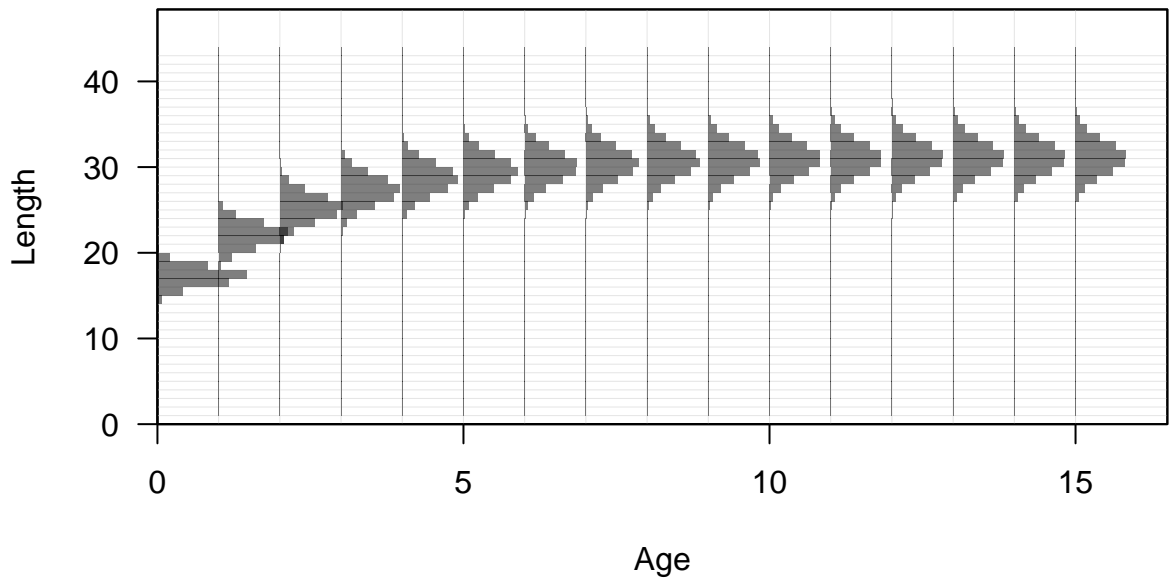


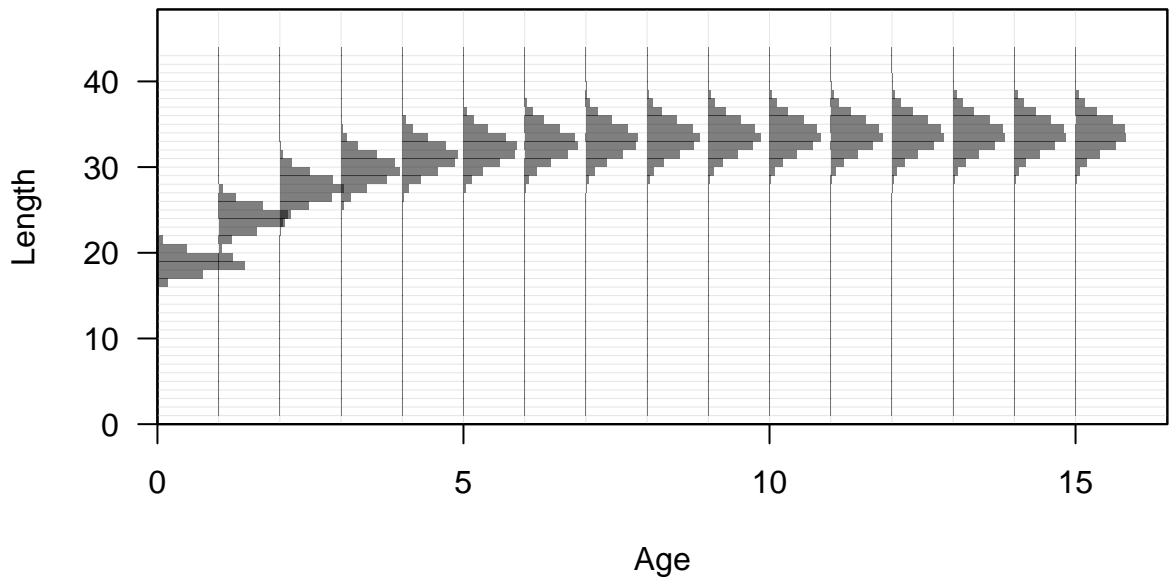


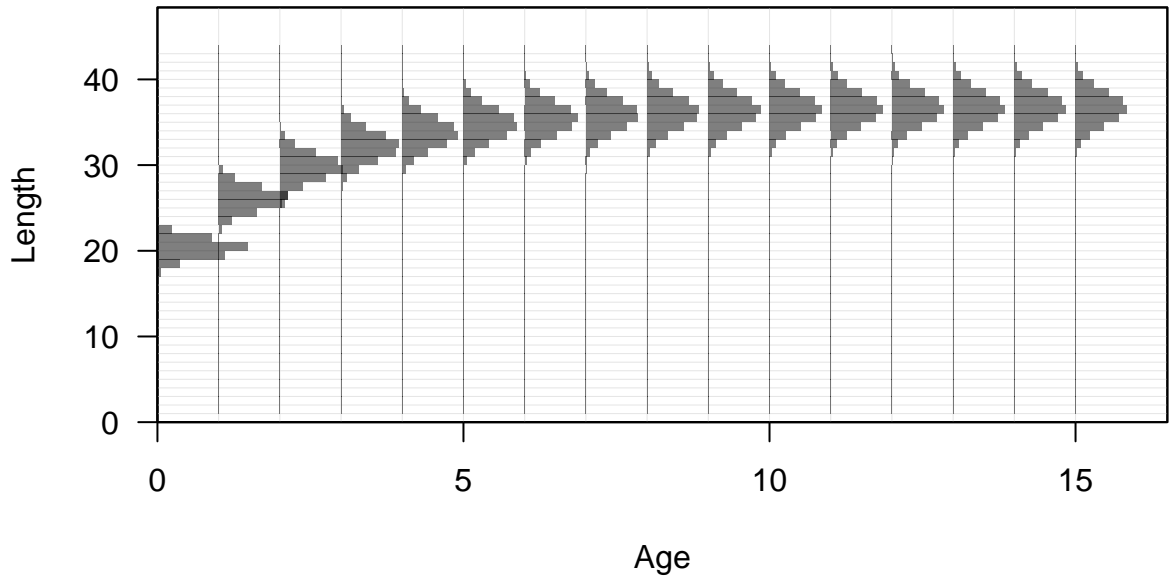


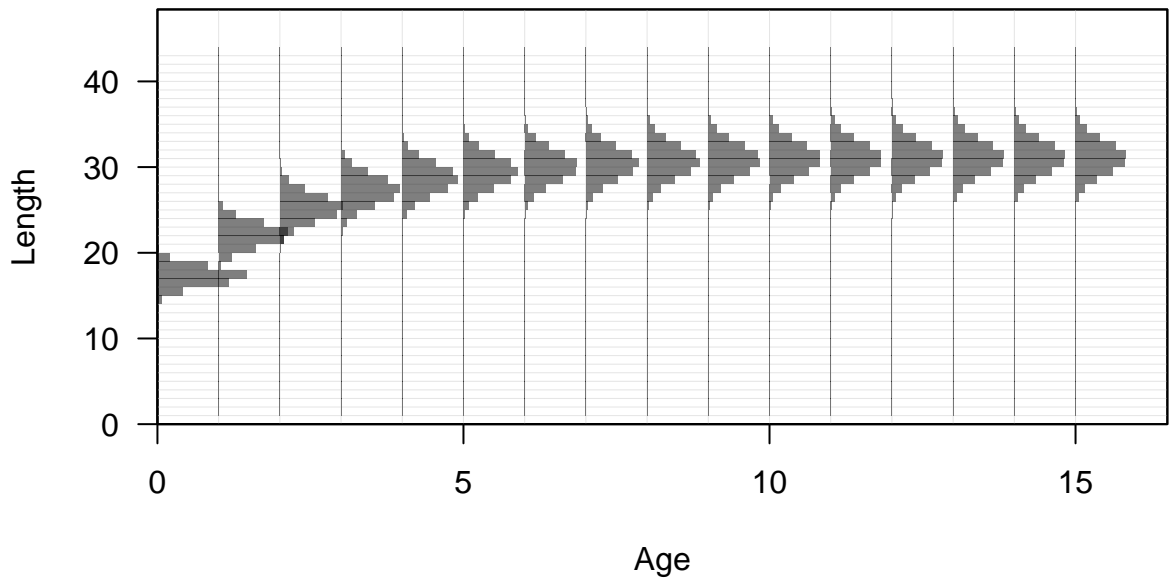


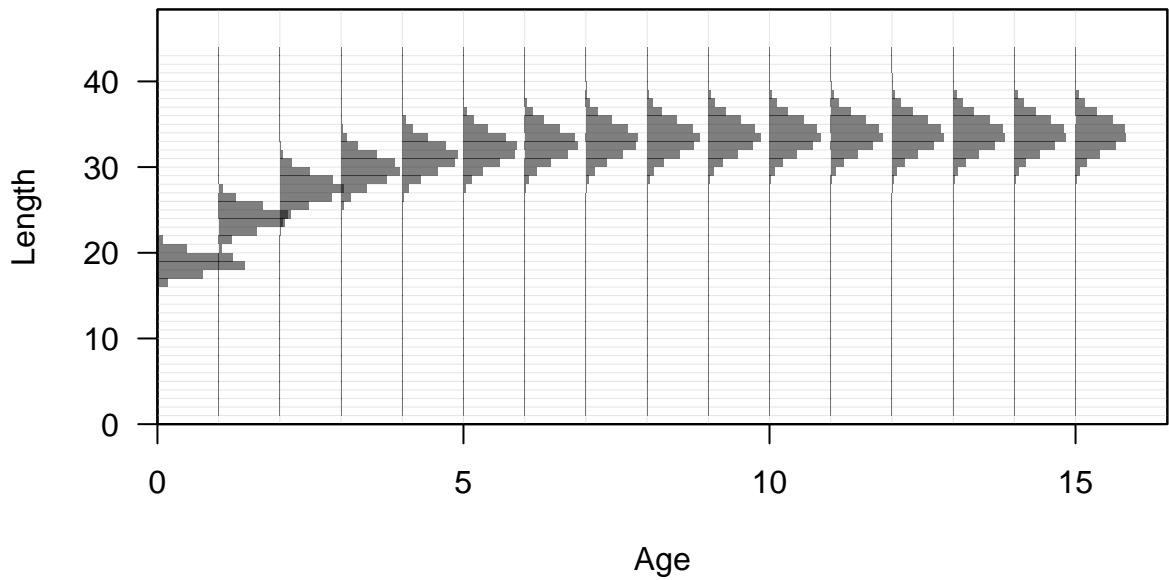


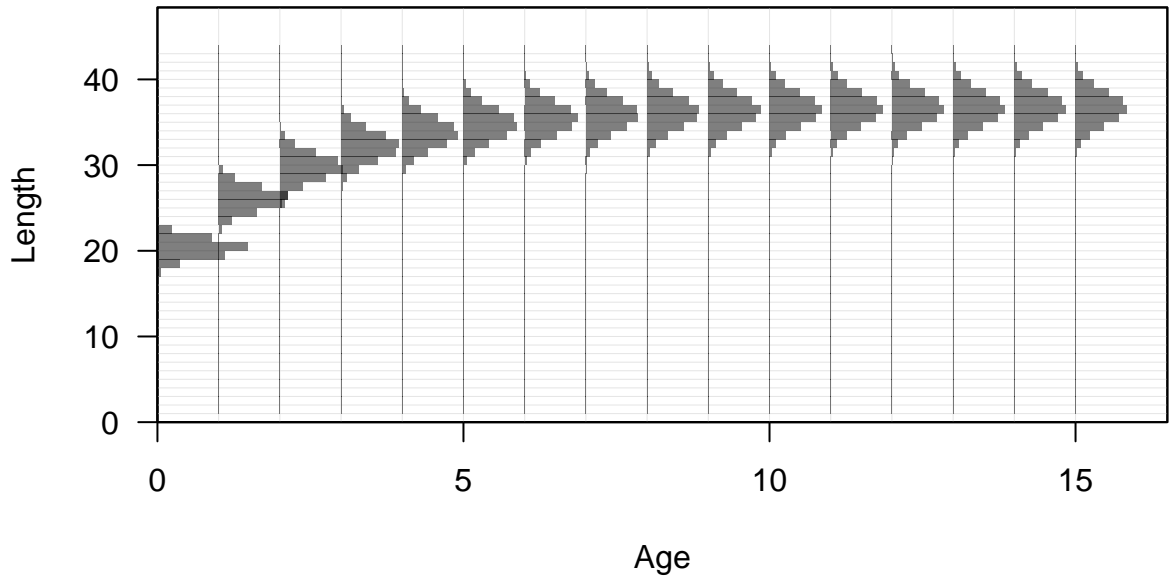










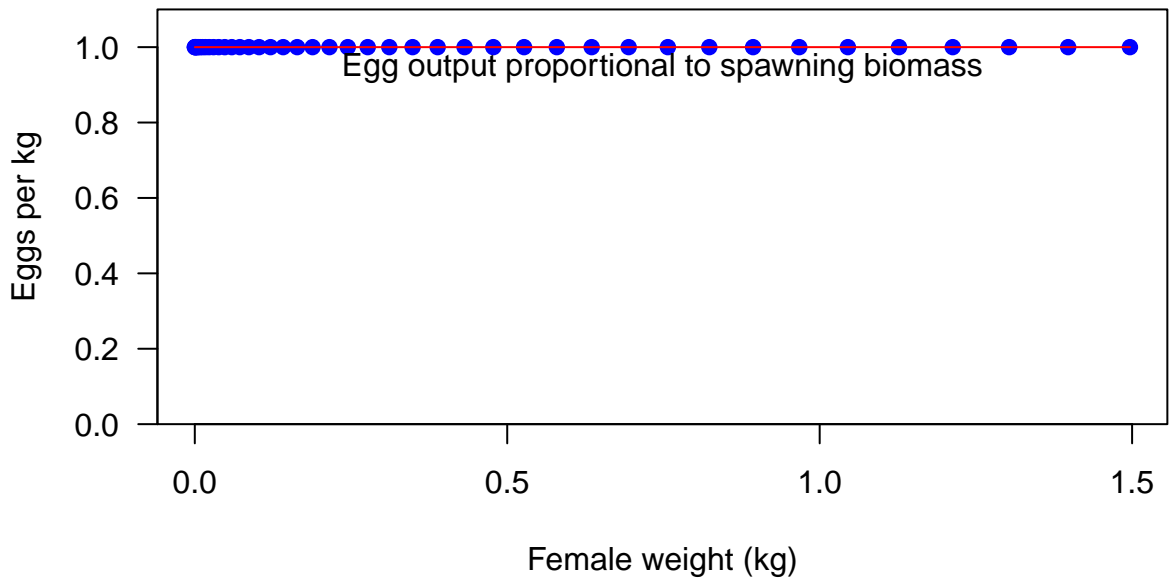






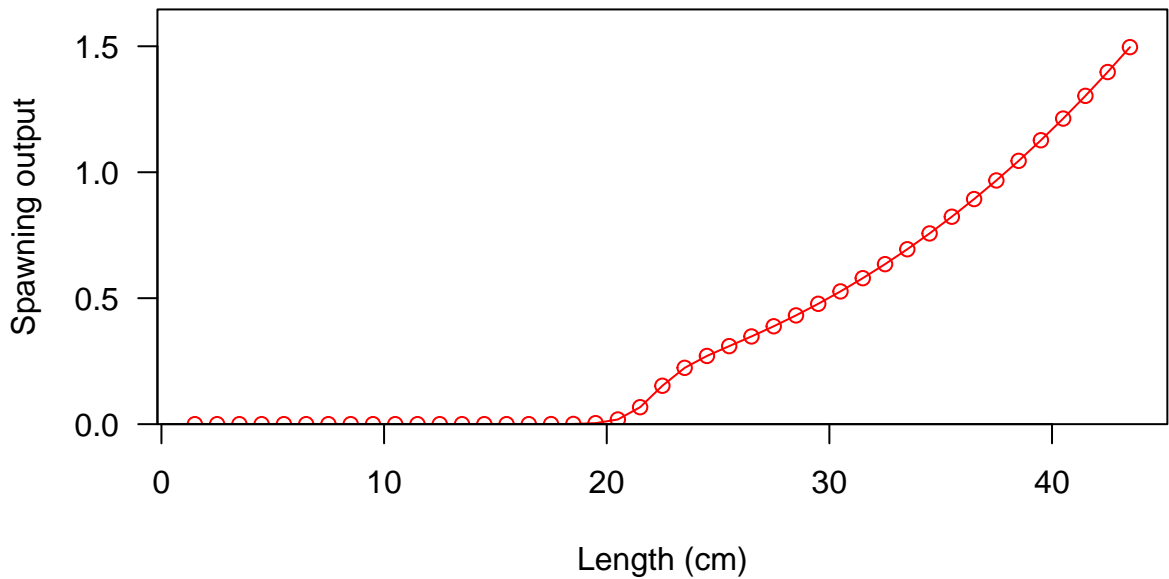


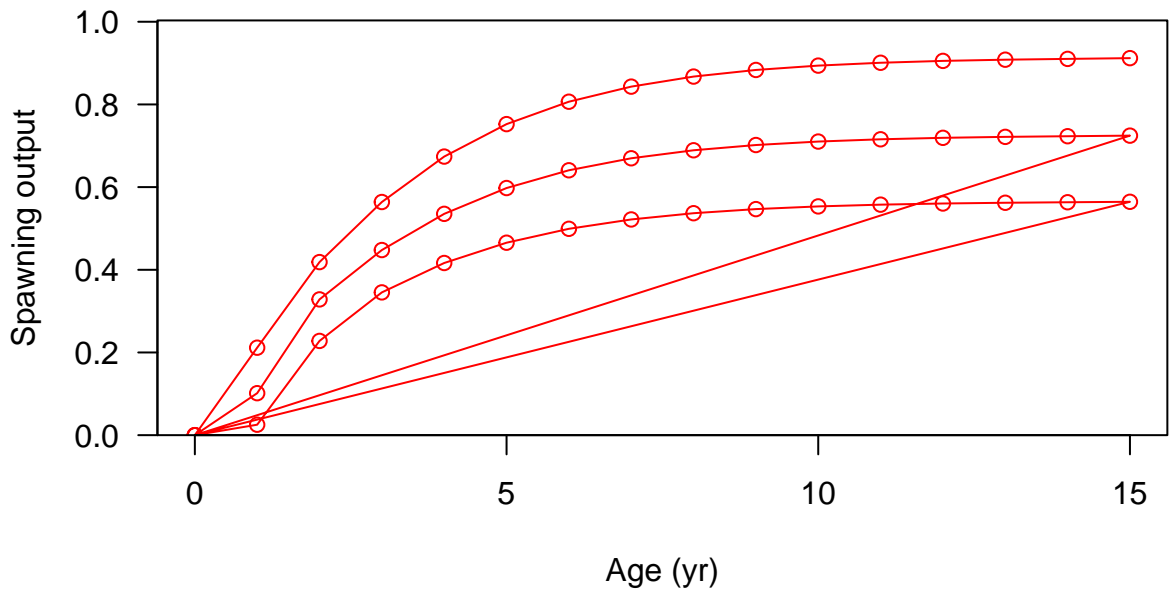






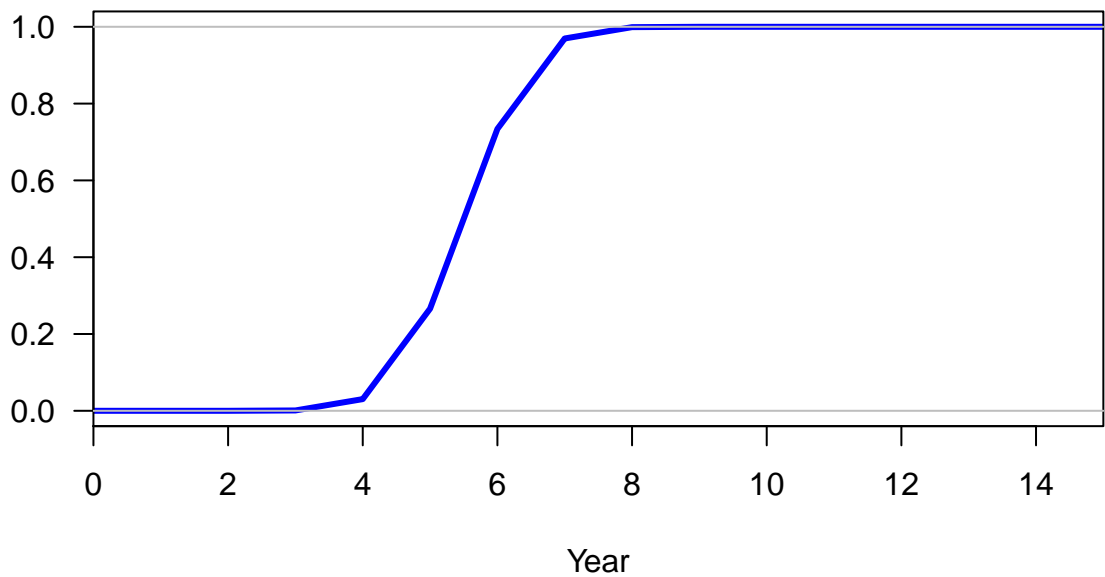








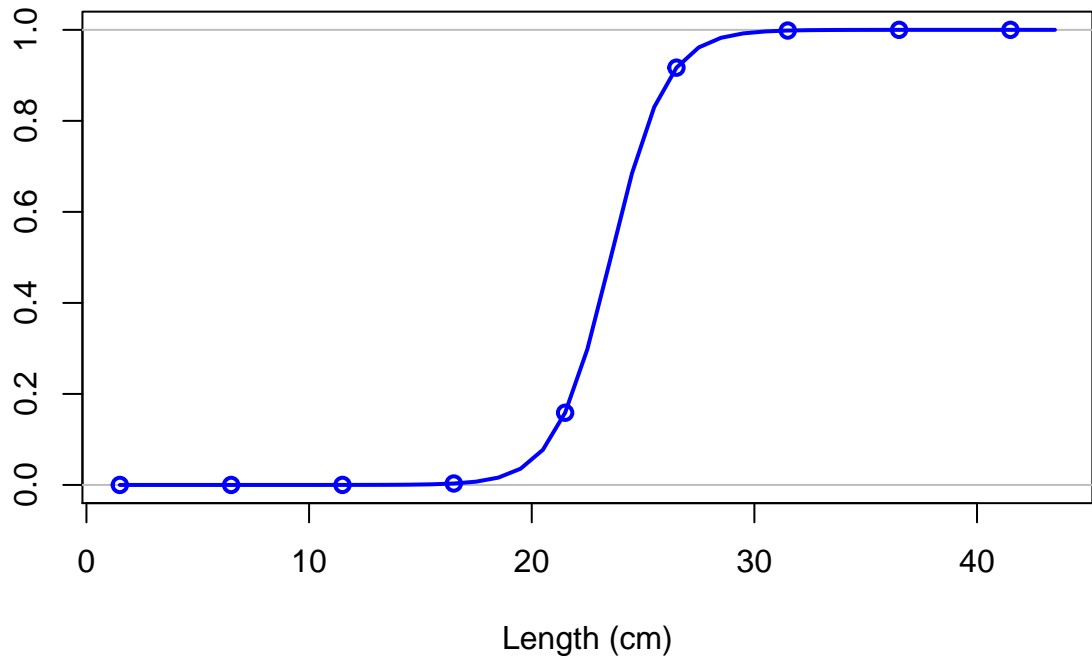
Hermaphroditism transition rate



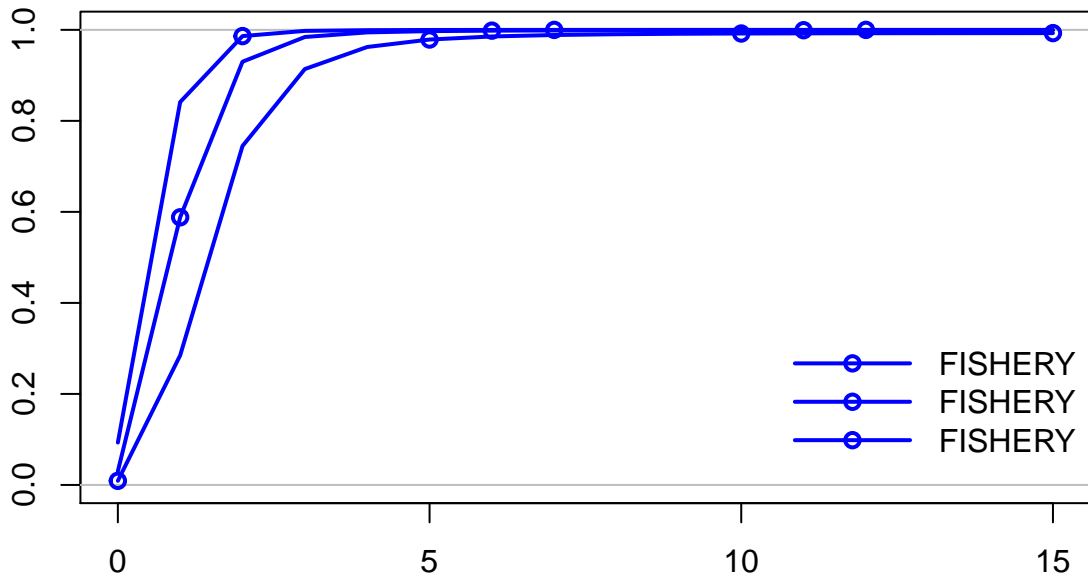
Fraction females by age at equilibrium



Selectivity

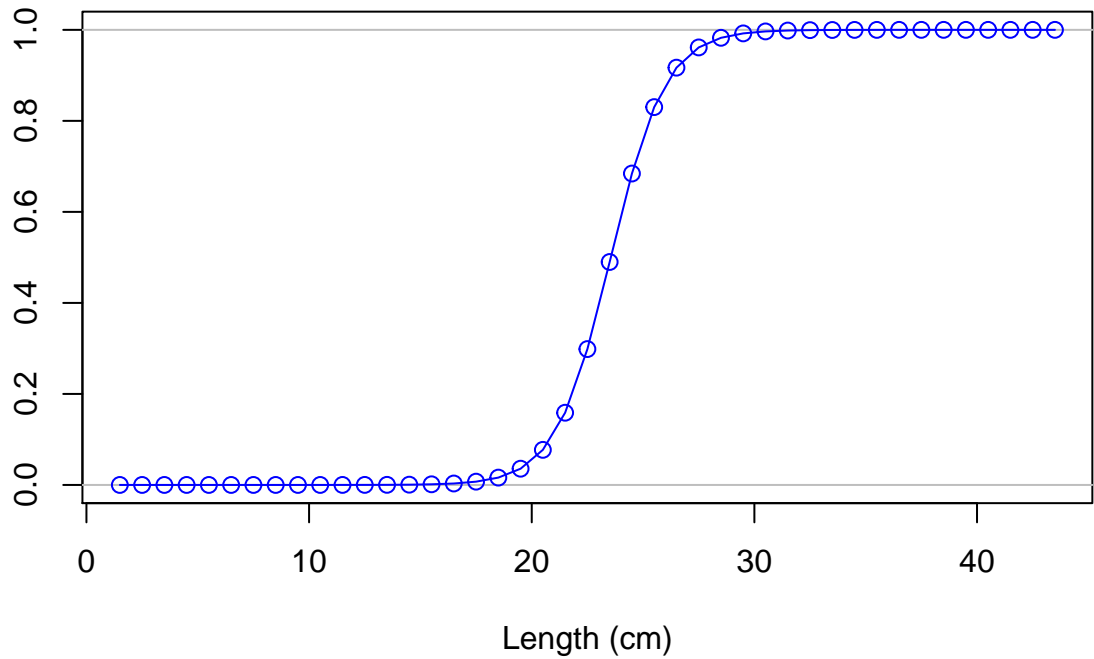


Selectivity

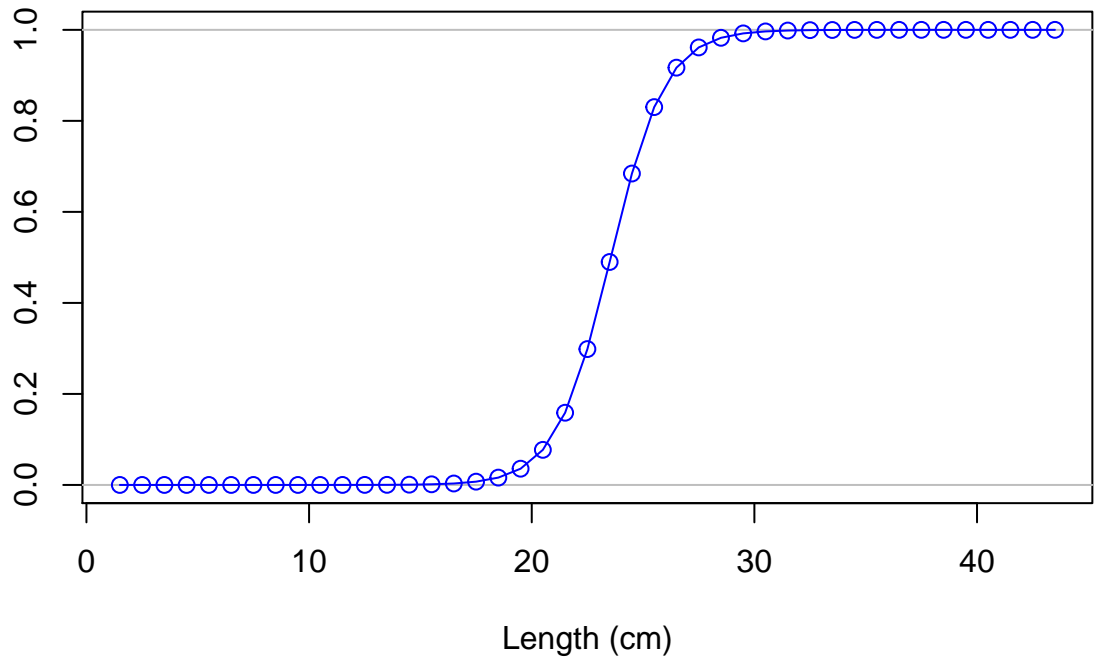


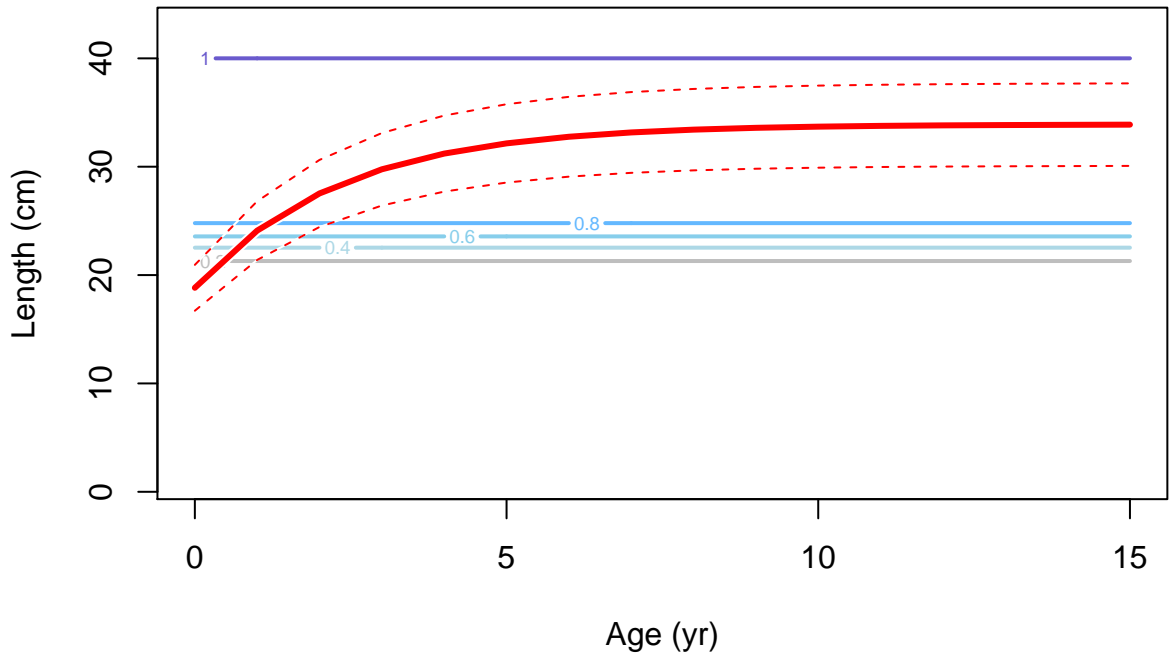
Age (yr)

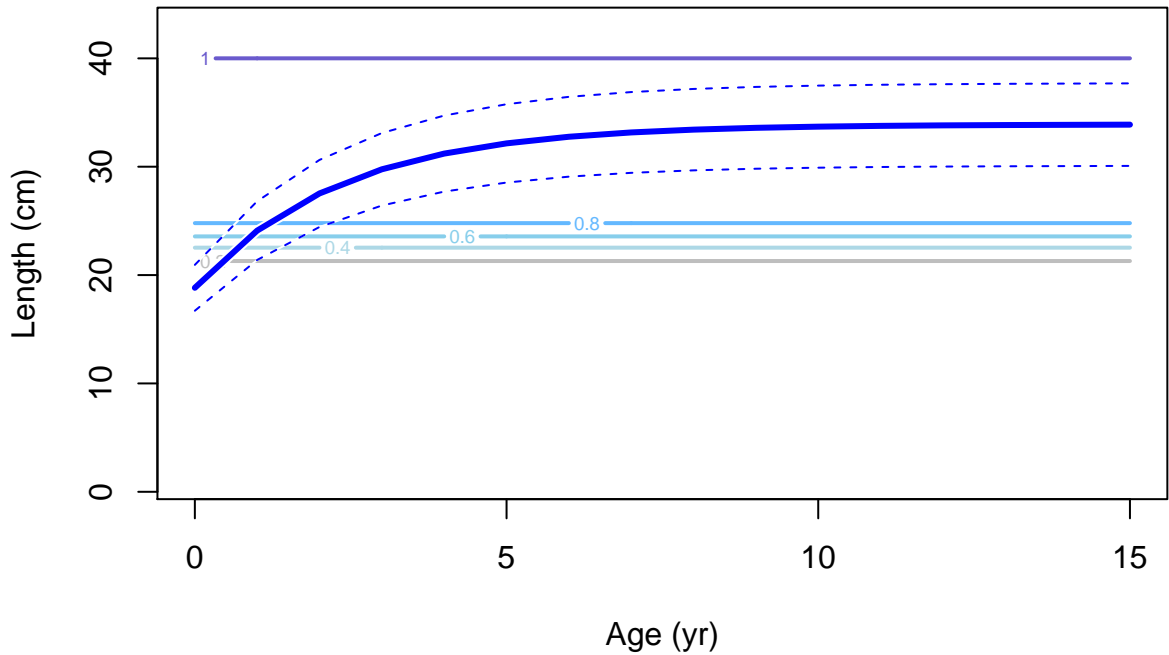
Selectivity



Selectivity

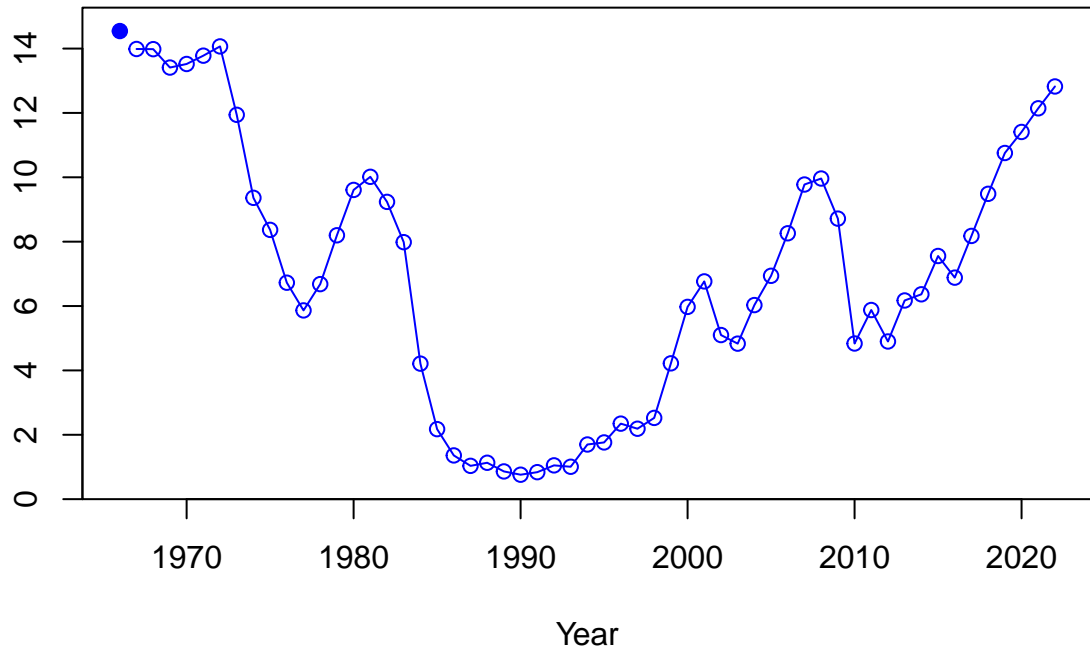




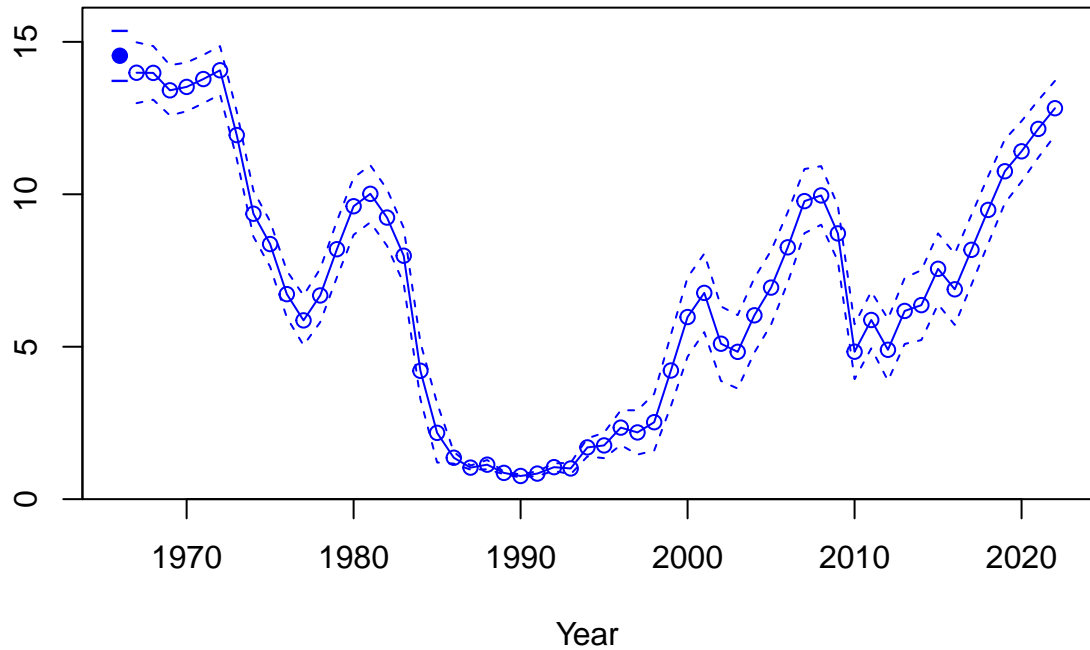




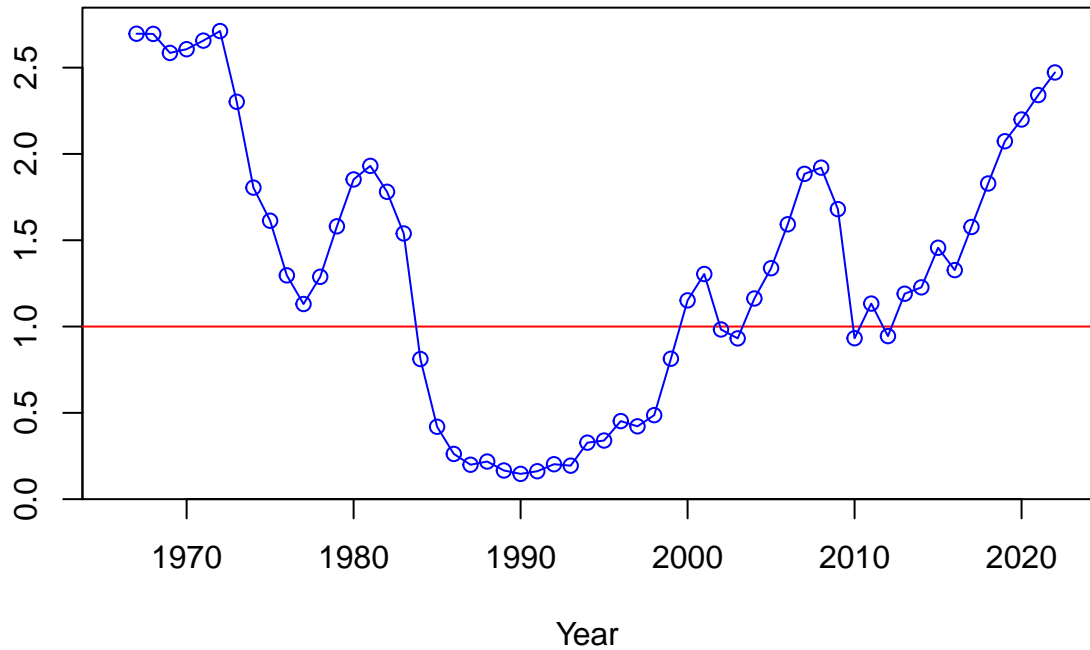
Spawning biomass (mt)



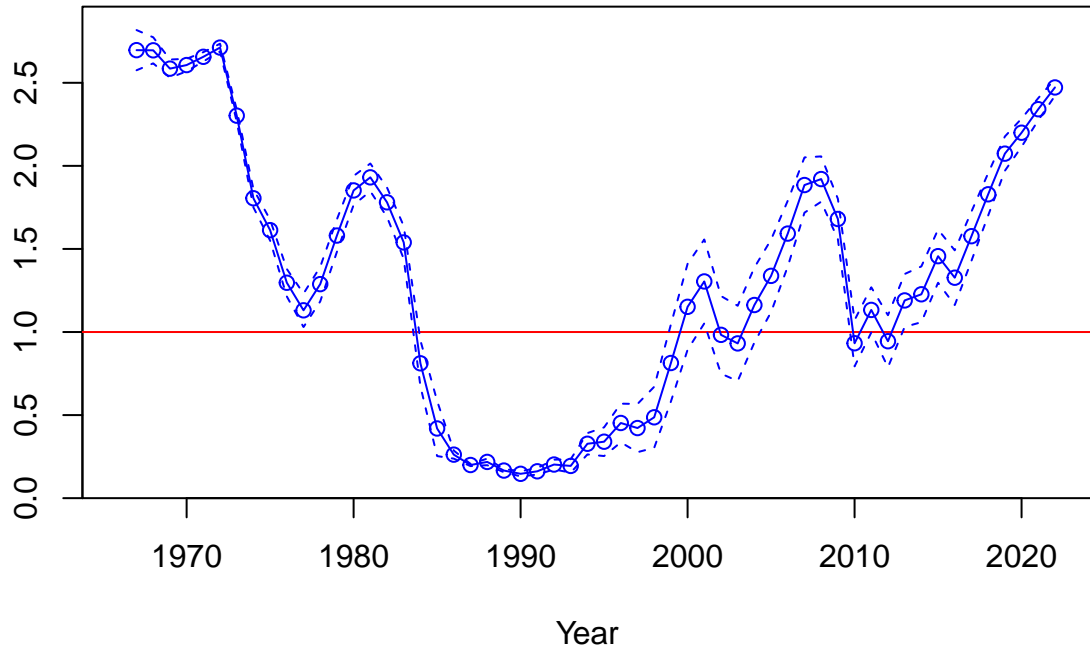
Spawning biomass (mt)

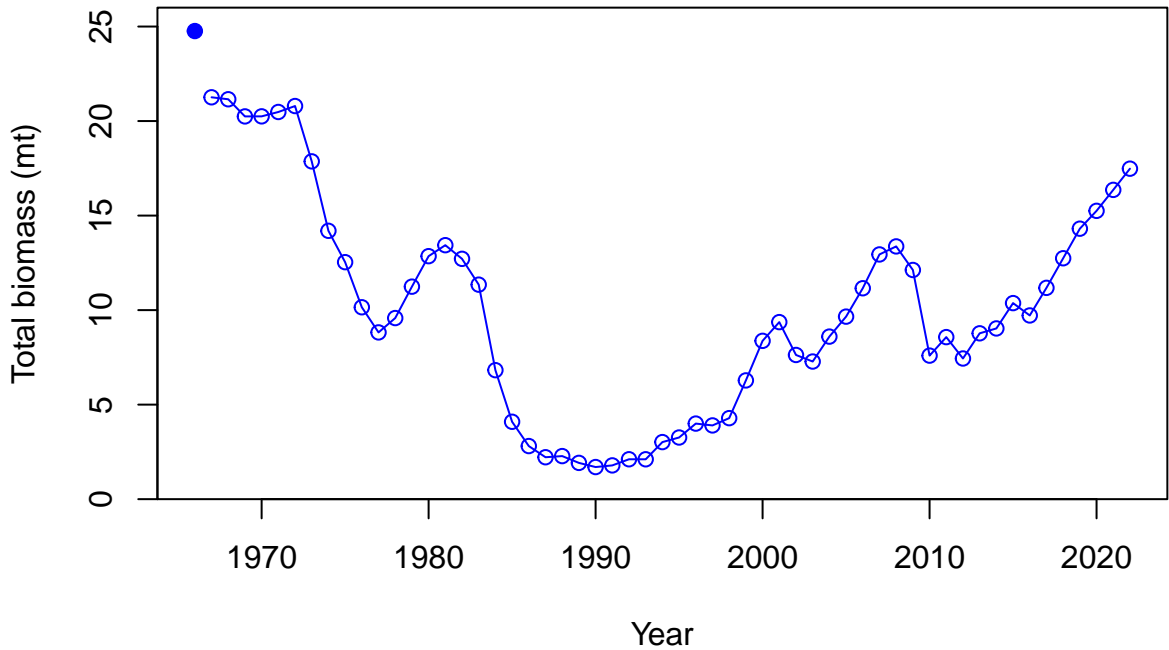


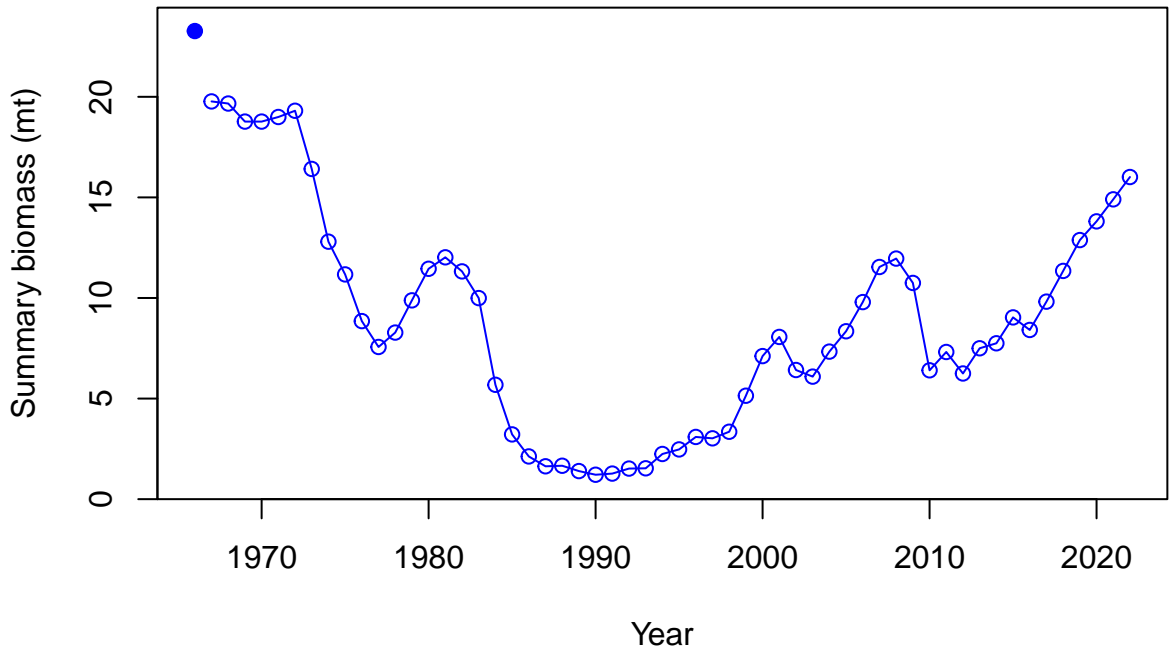
Relative spawning biomass:  $B/B_{MSY}$



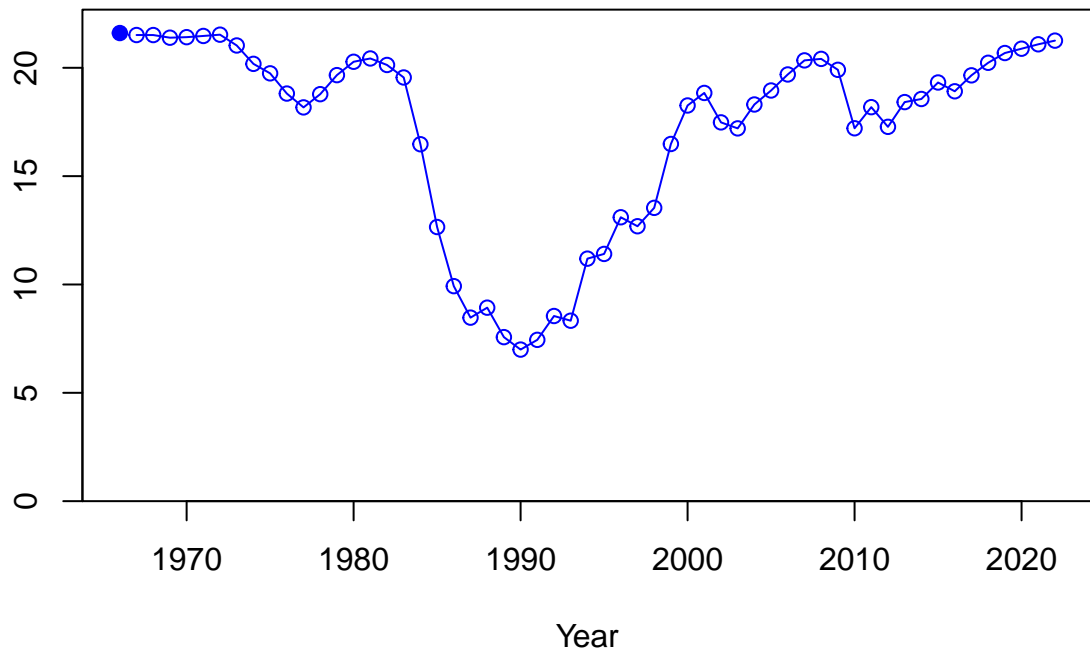
Relative spawning biomass:  $B/B_{MSY}$



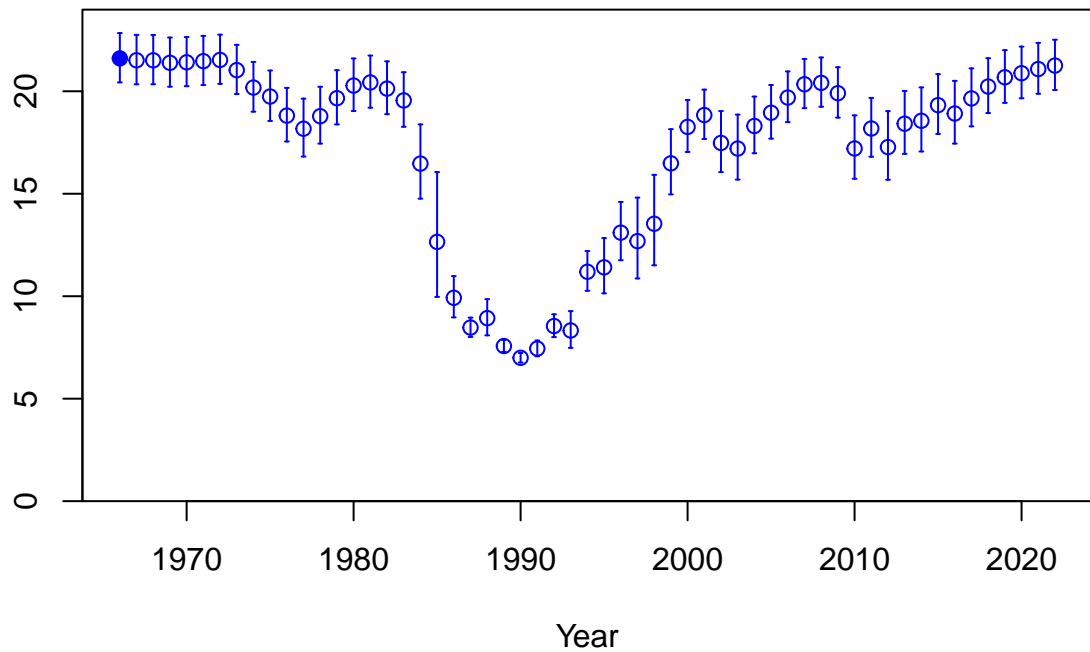




Age-0 recruits (1,000s)

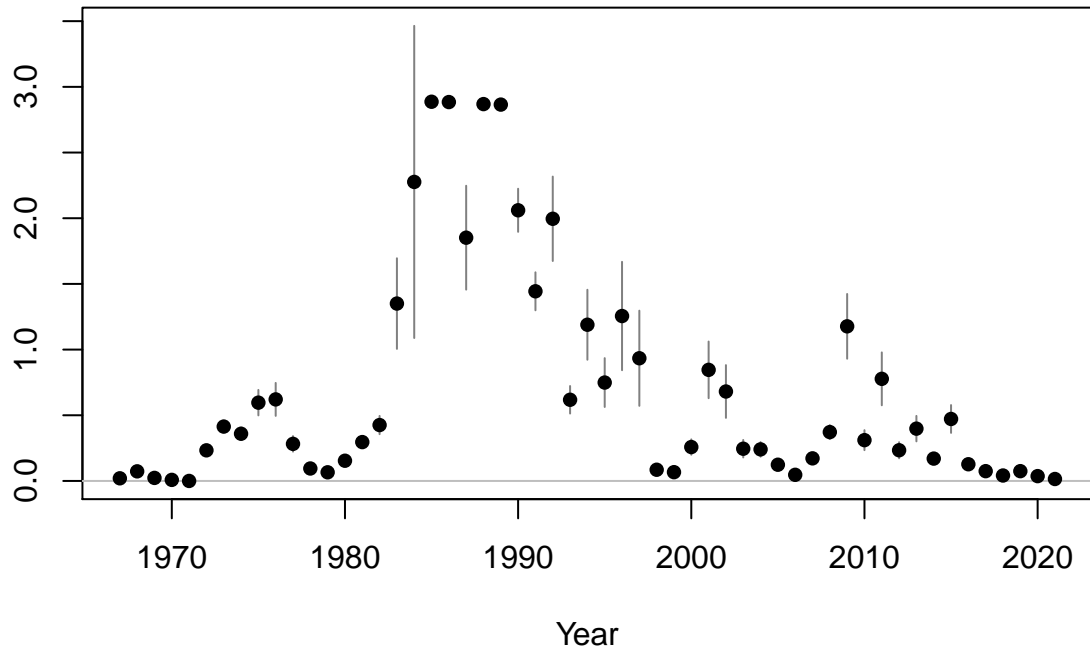


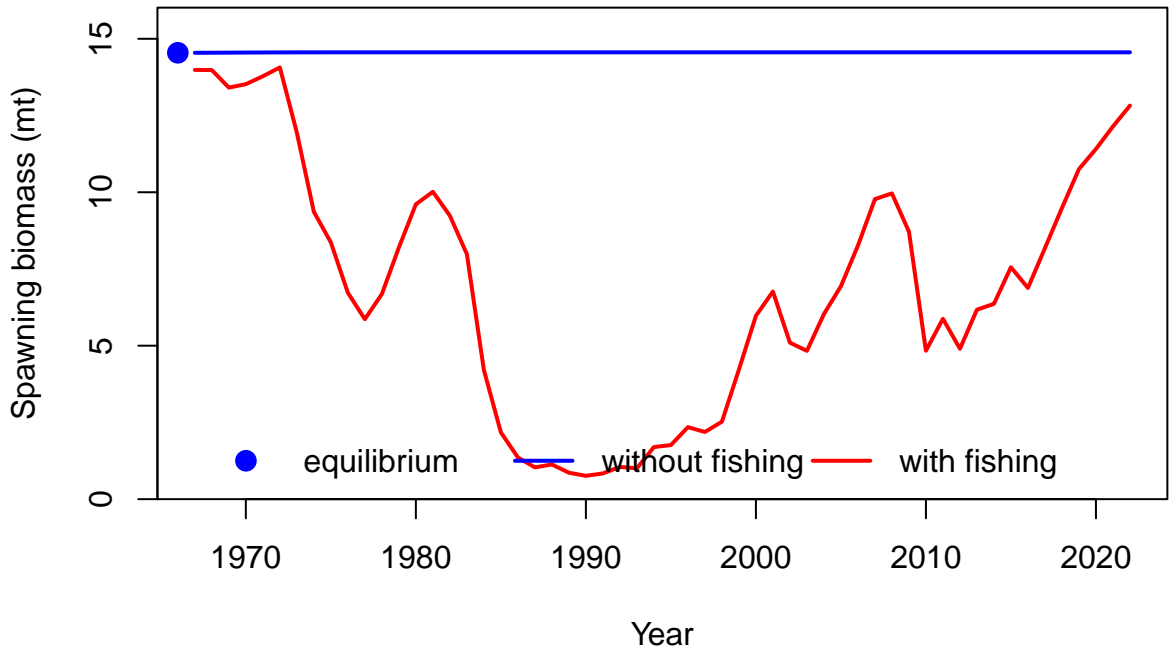
Age-0 recruits (1,000s)

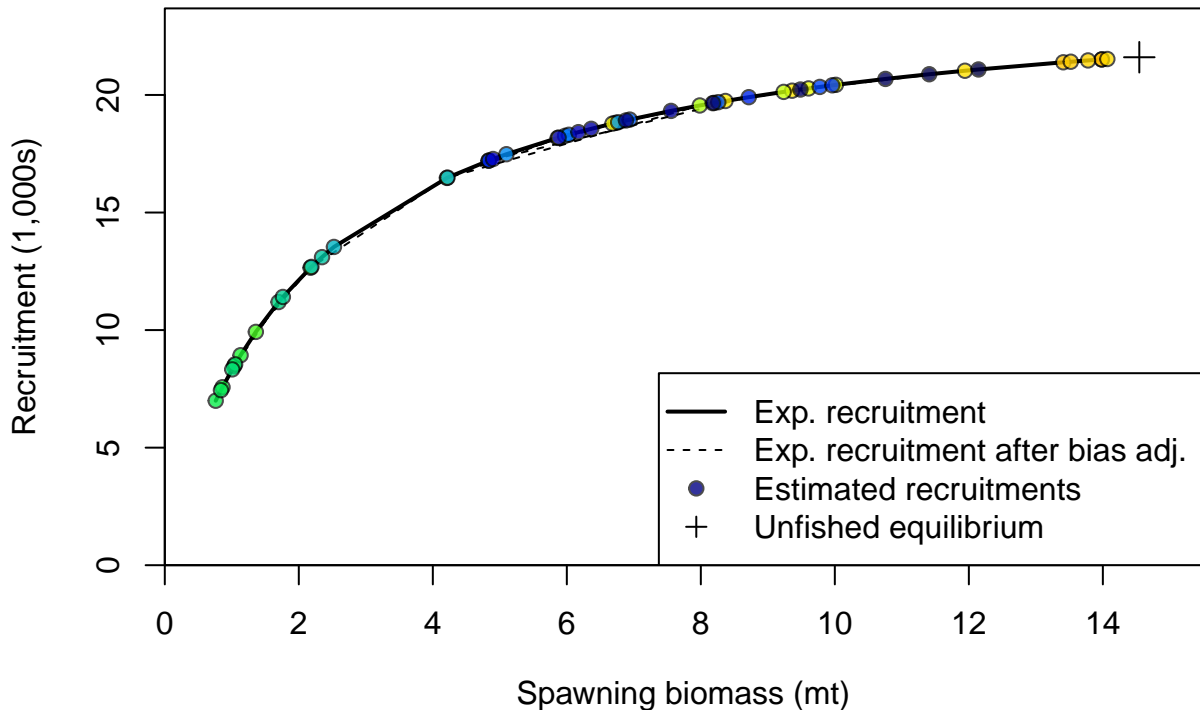


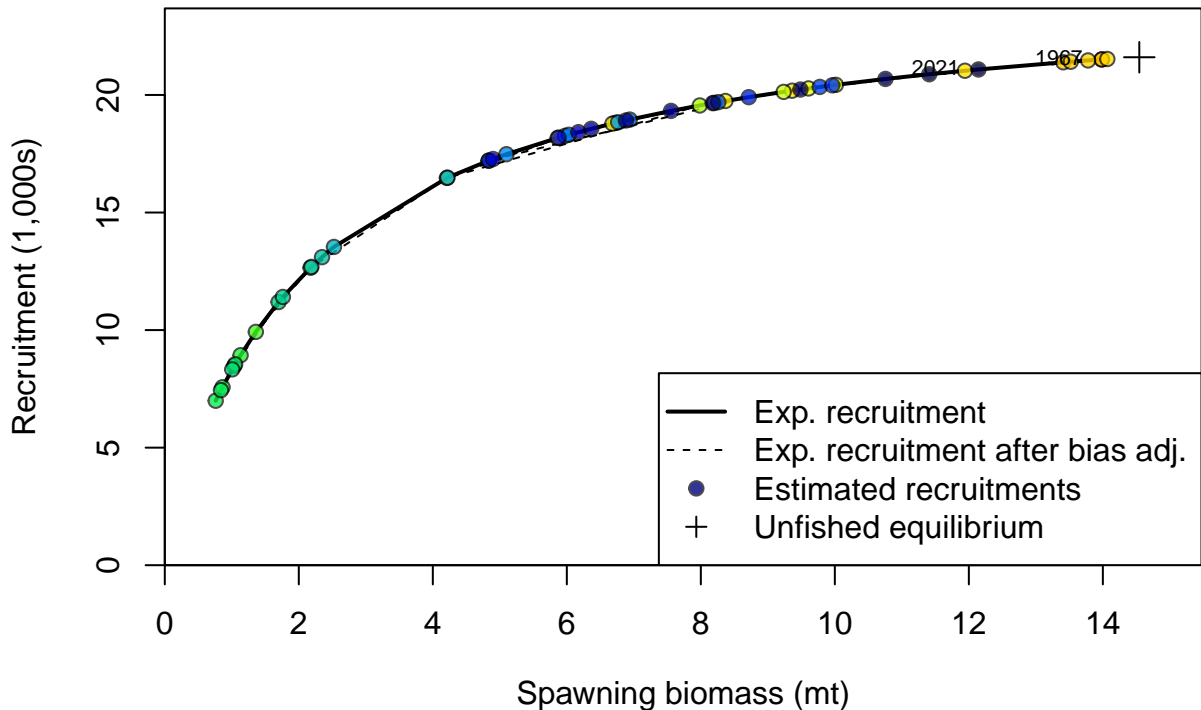


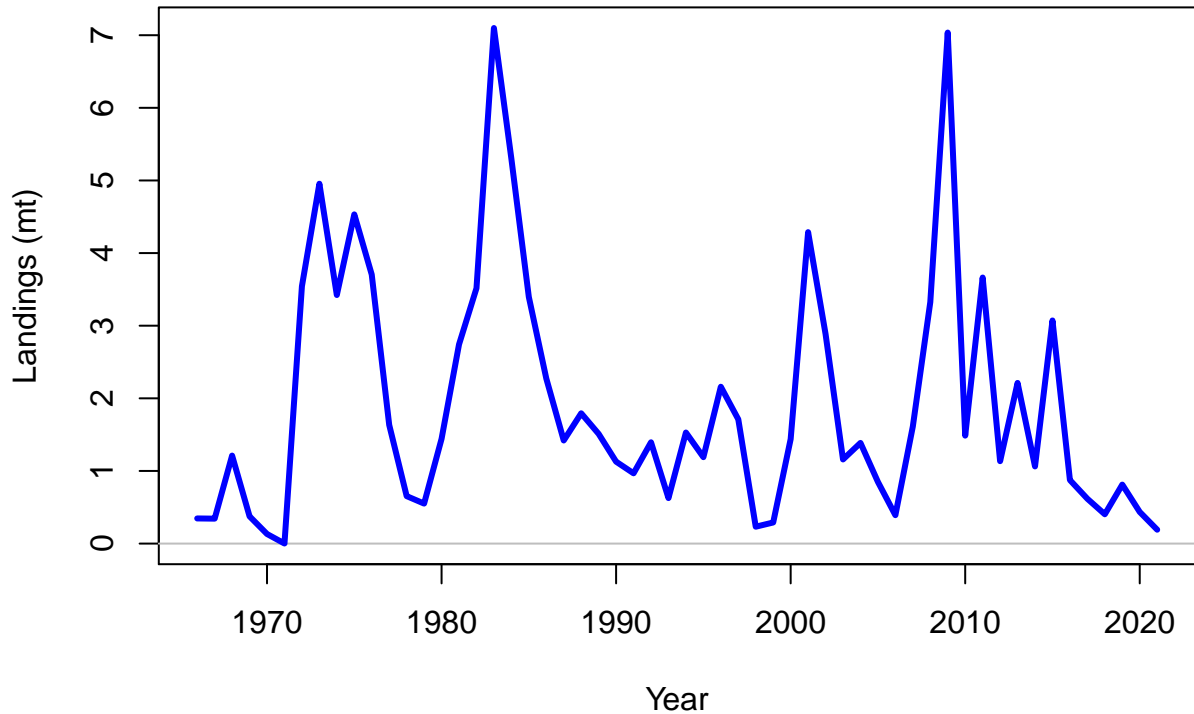
Summary Fishing Mortality

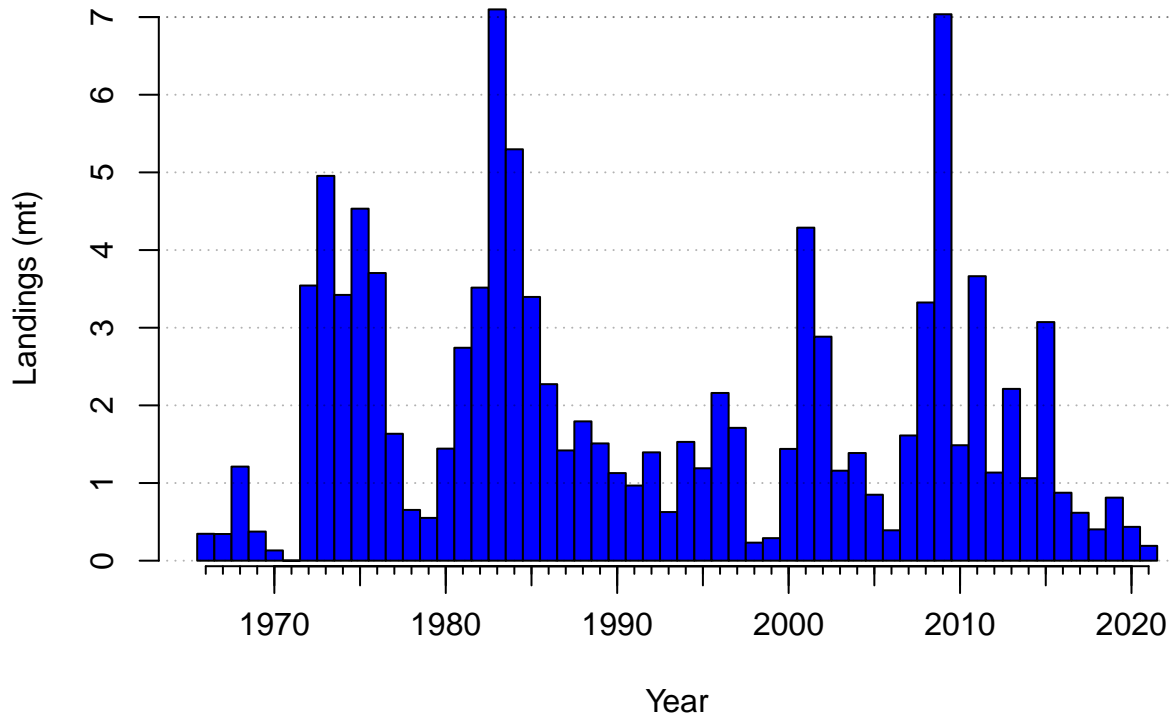




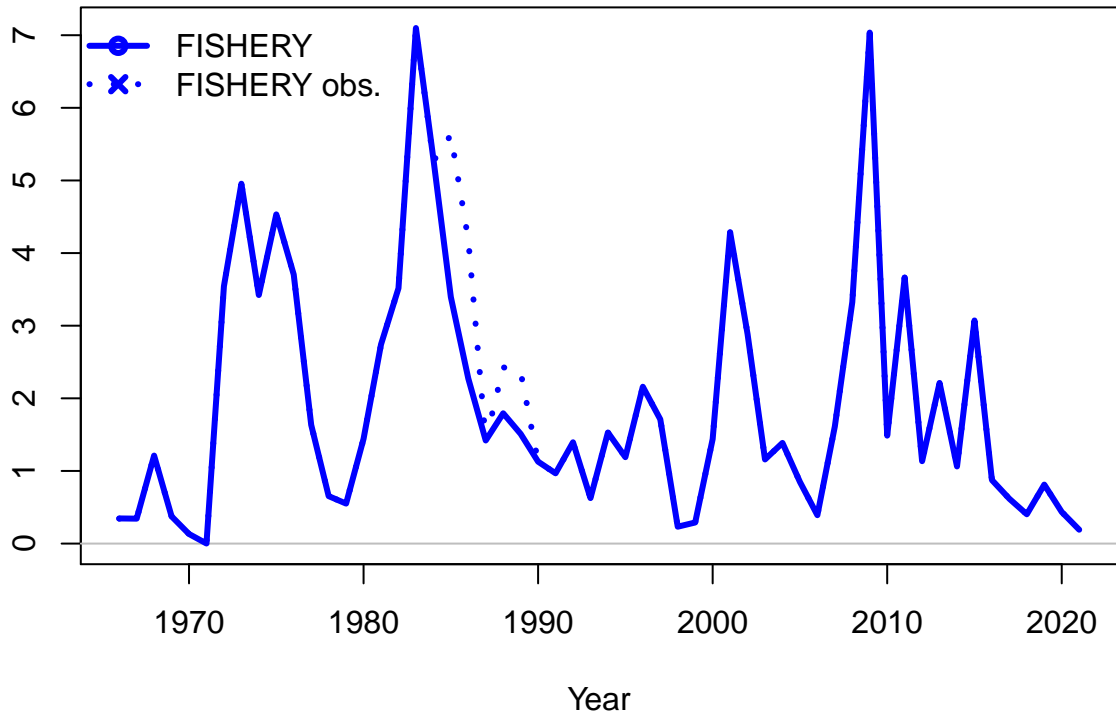


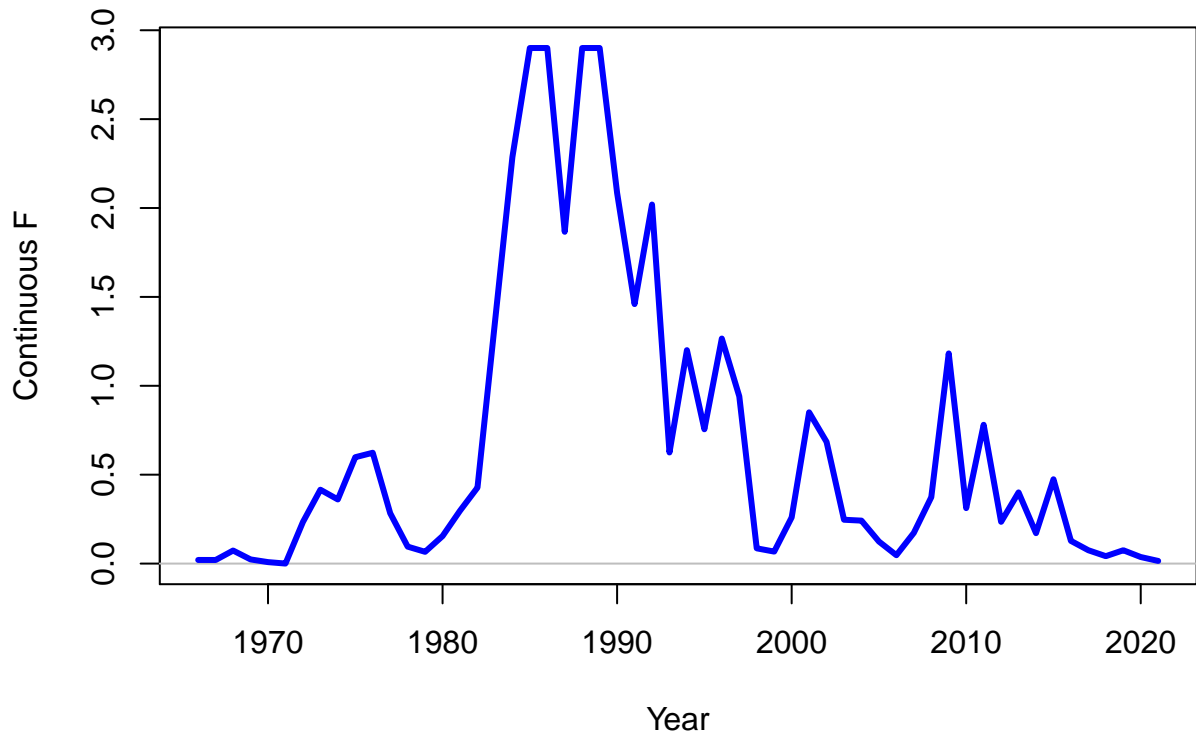






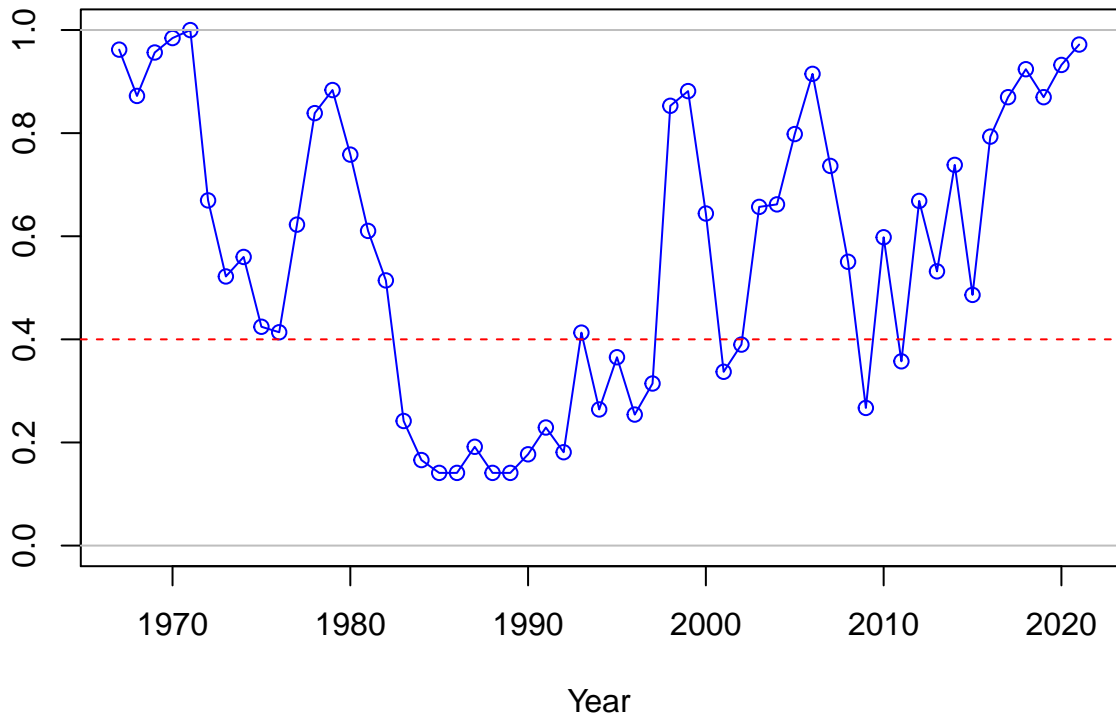
Observed and expected Landings (mt)



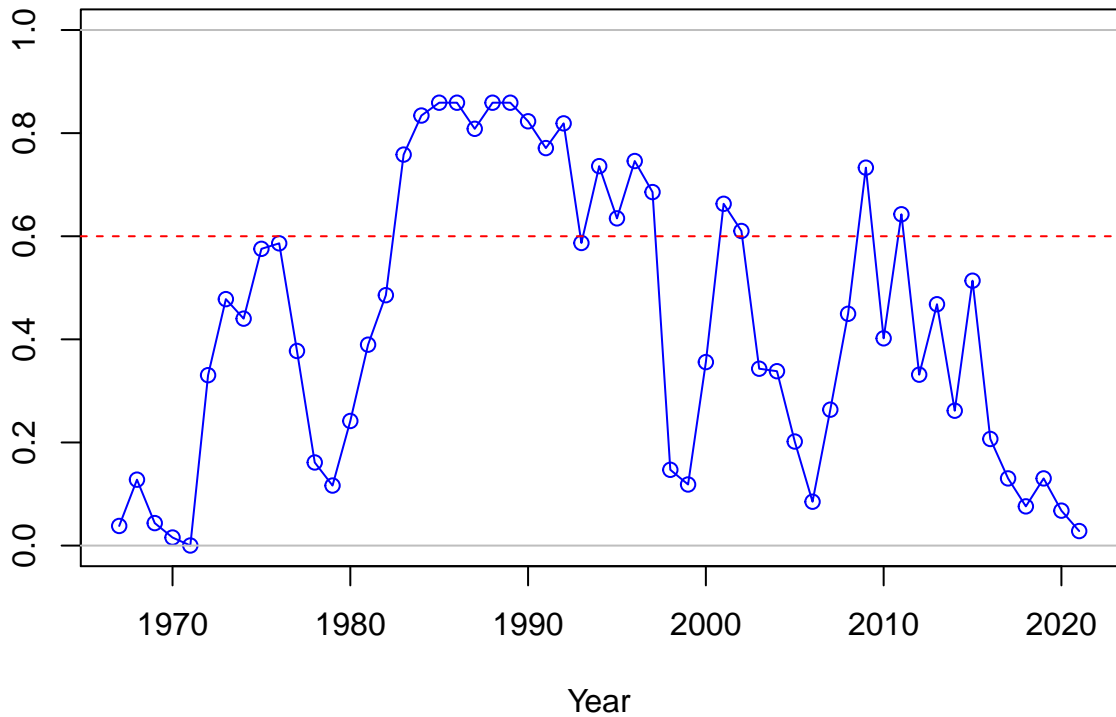




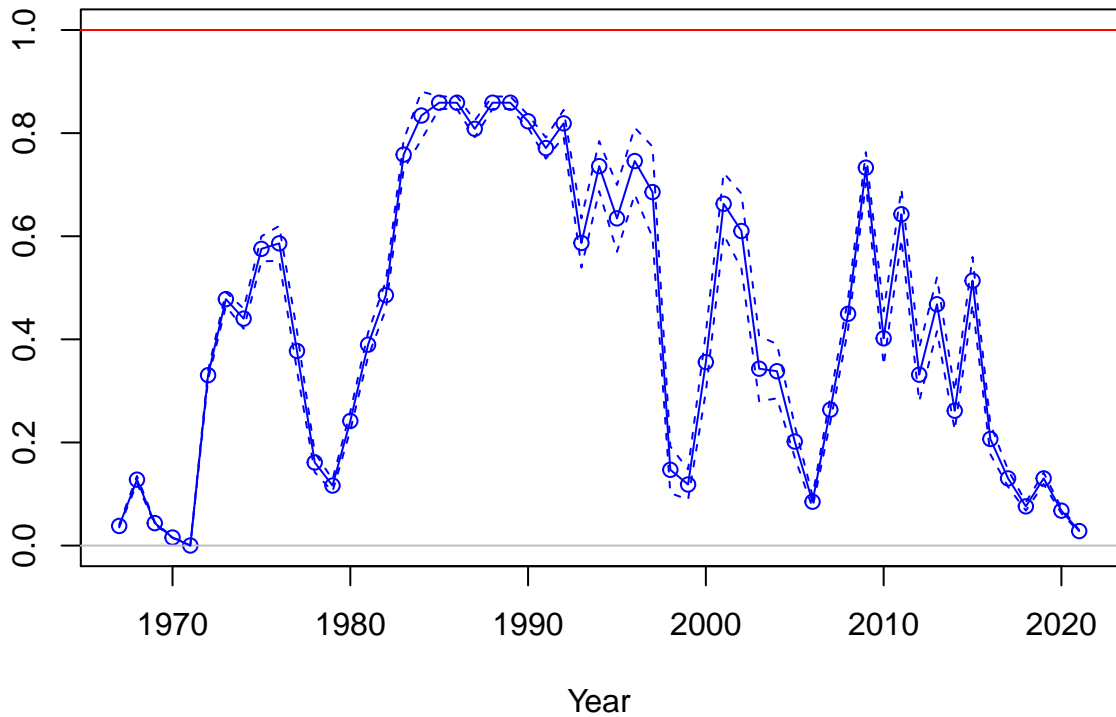
SPR



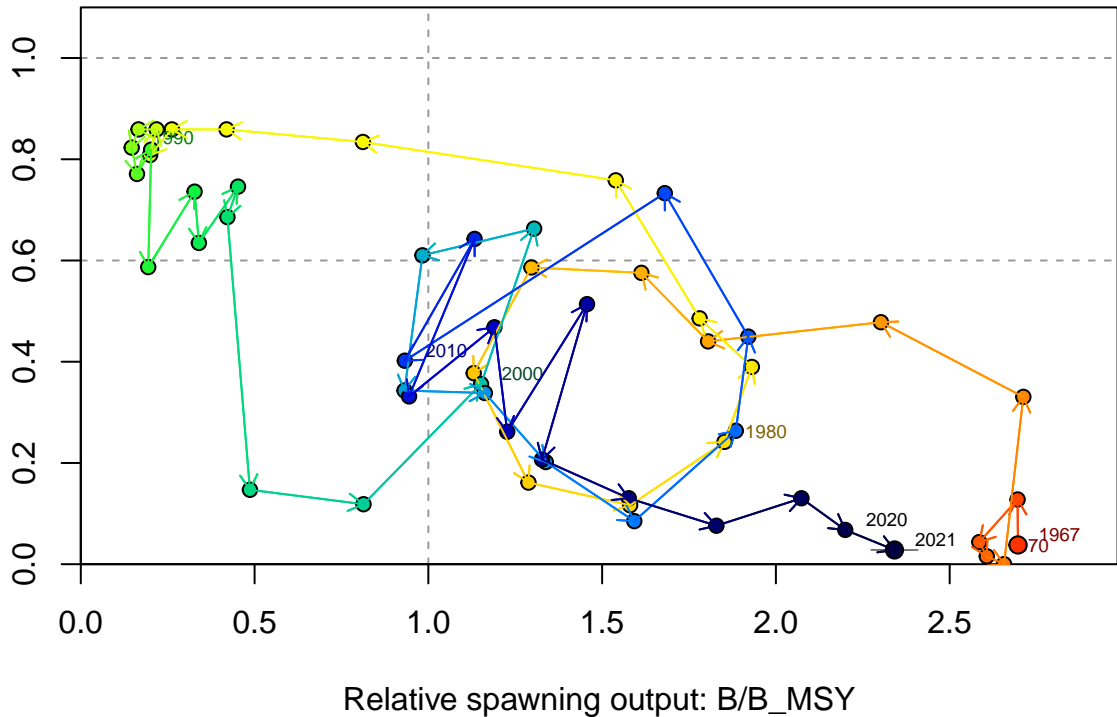
1-SPR



Fishing intensity: 1-SPR



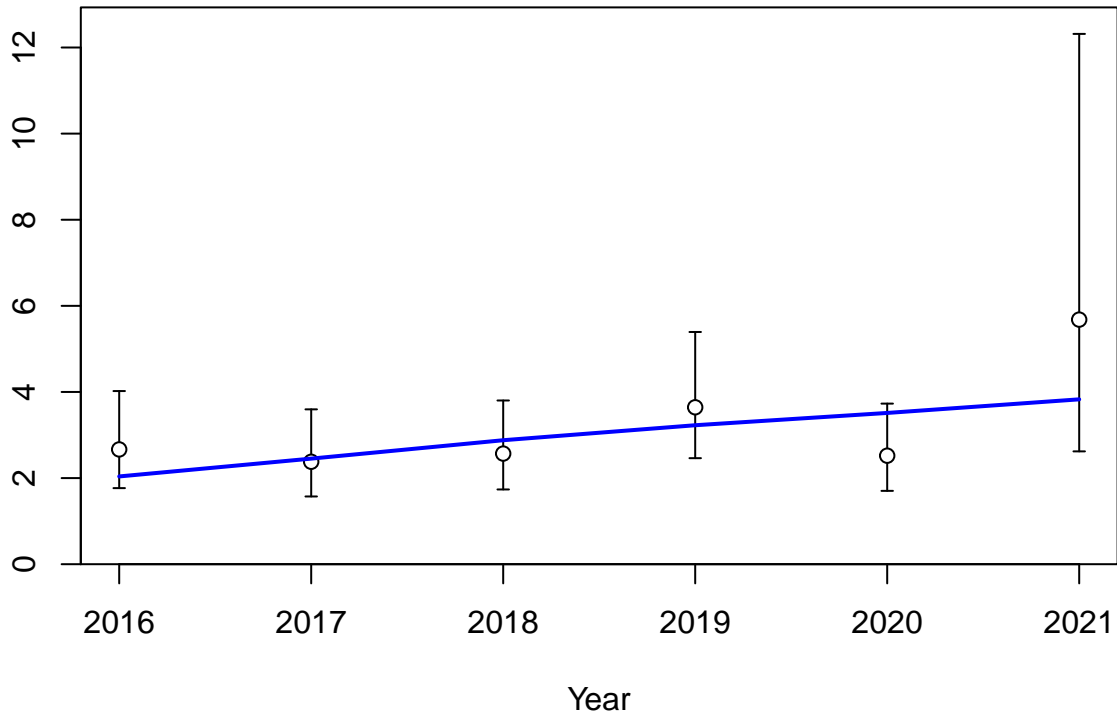
Fishing intensity: 1-SPR

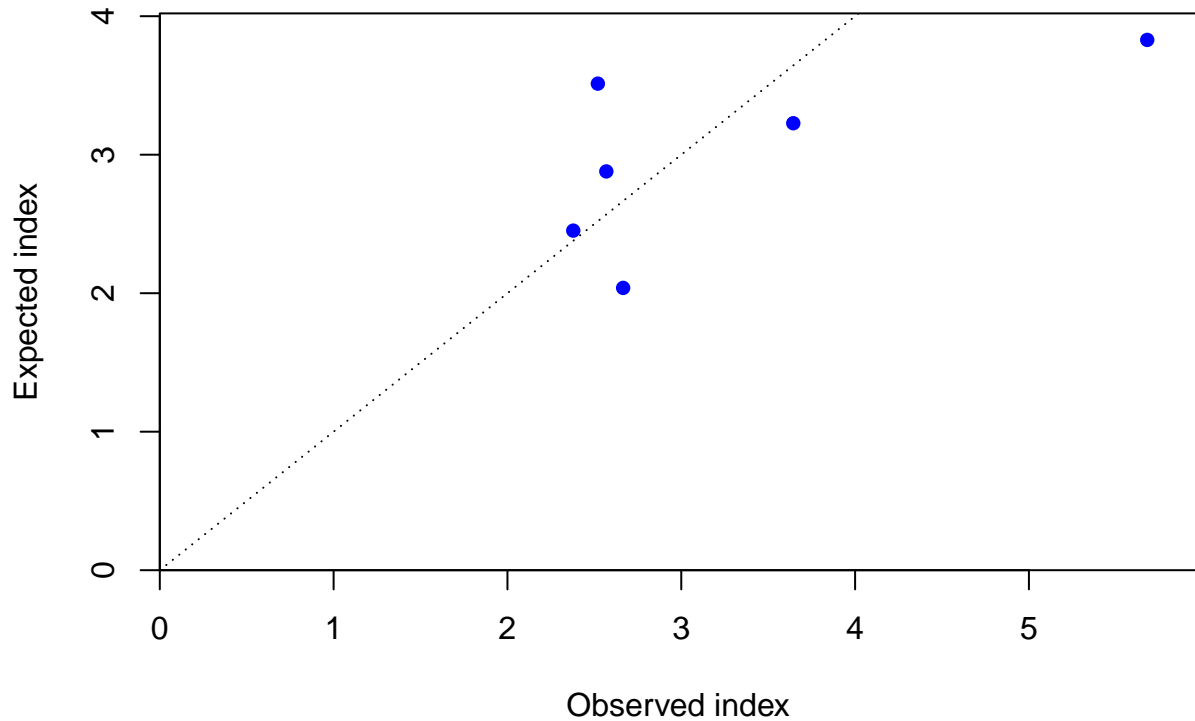


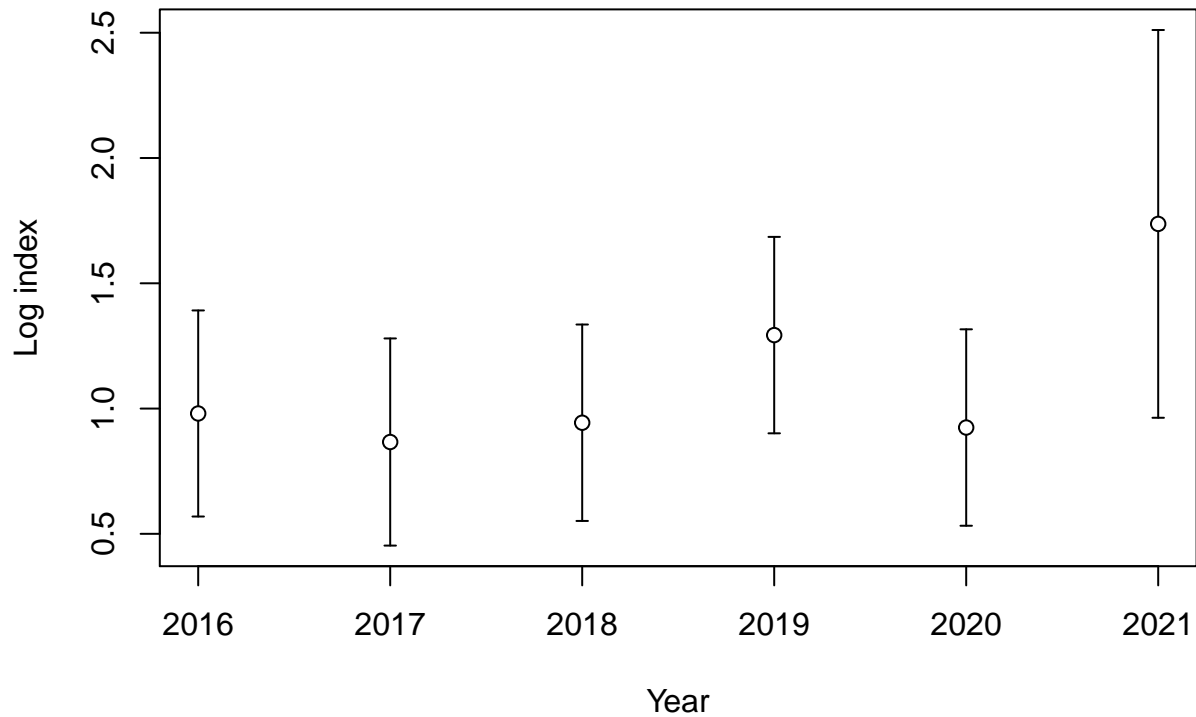
Index



Index

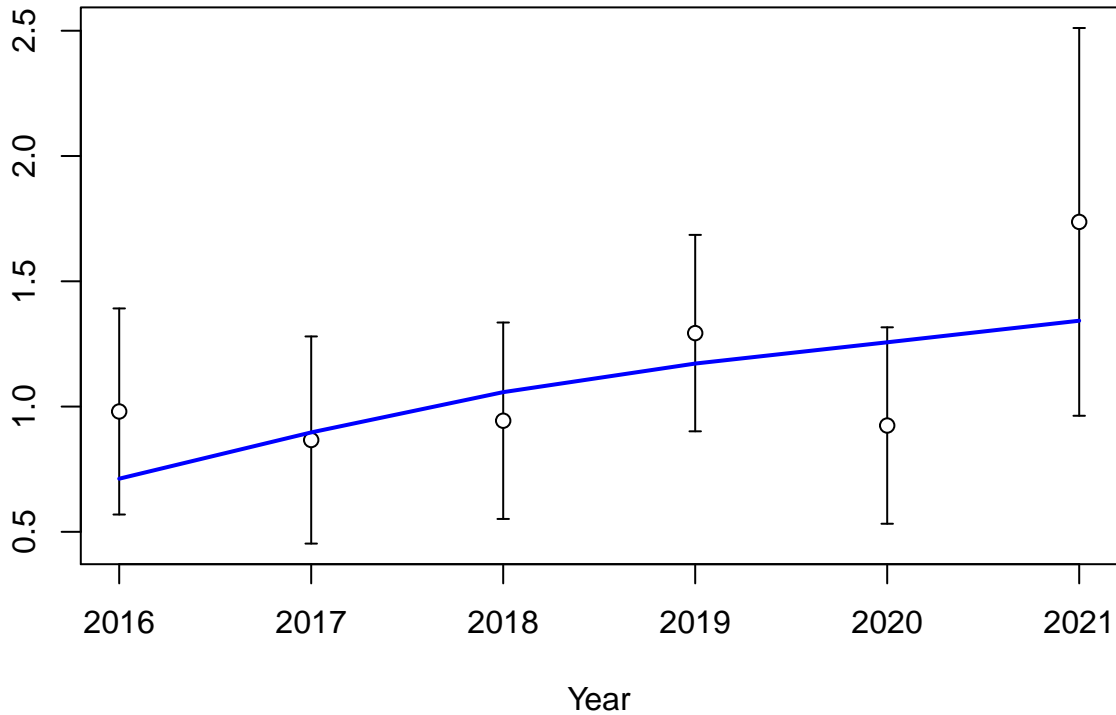


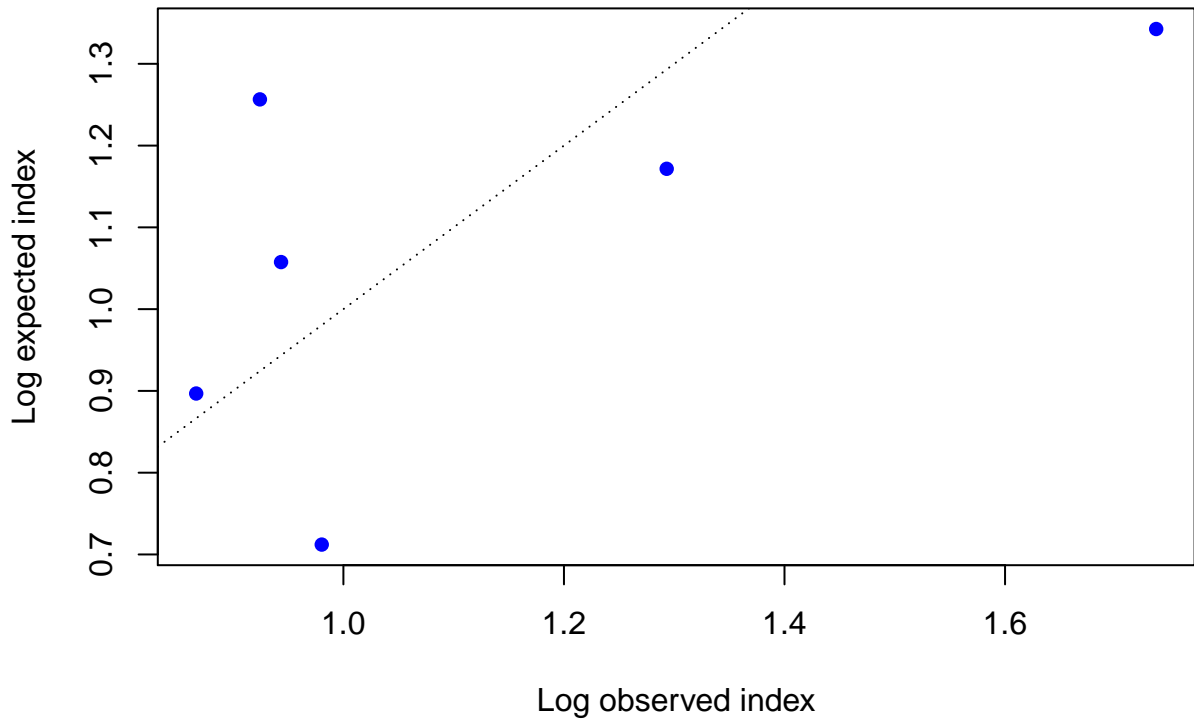


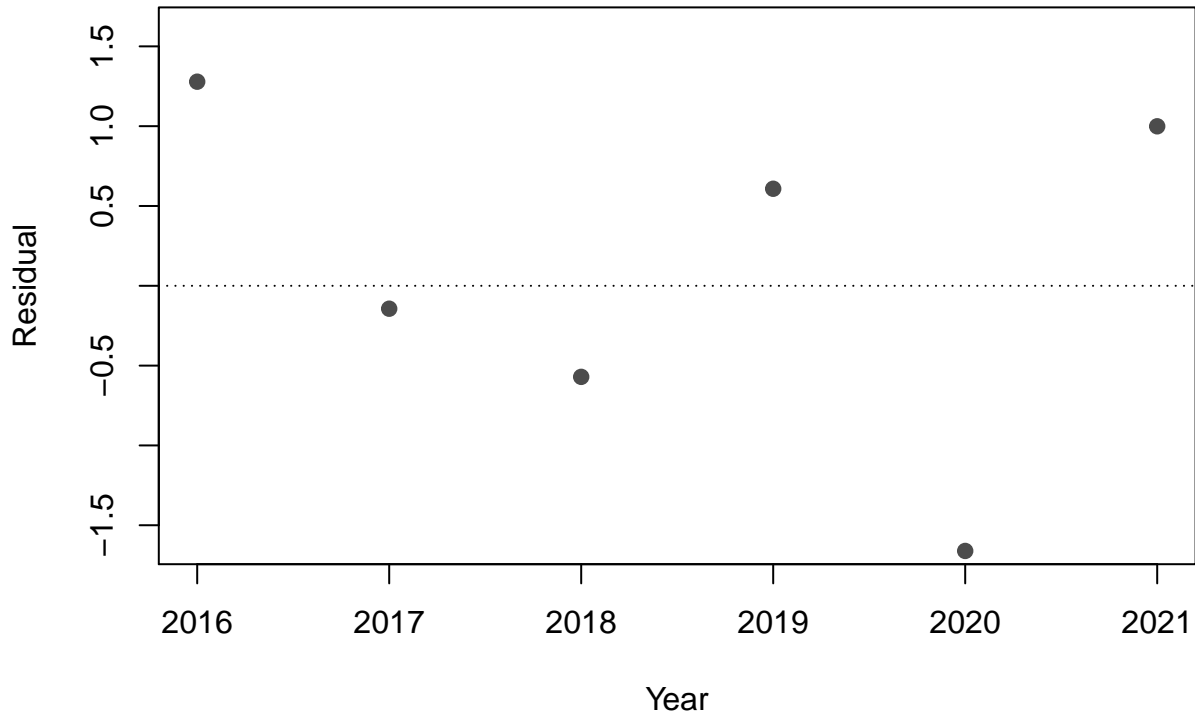


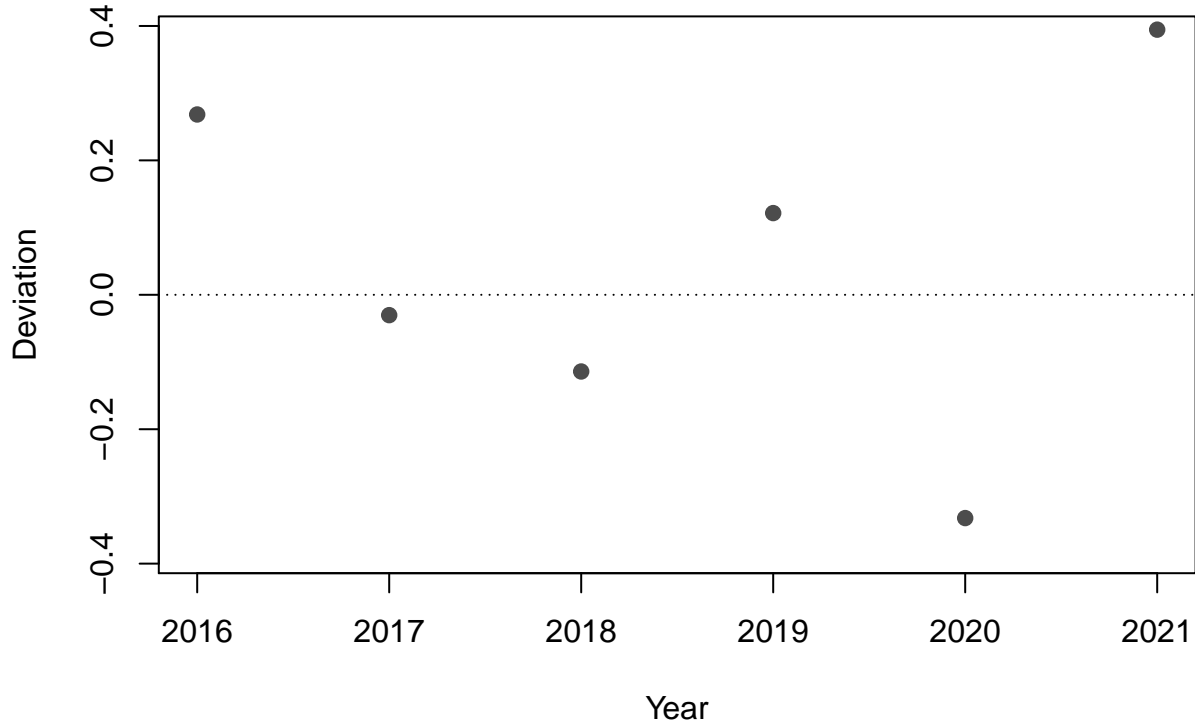


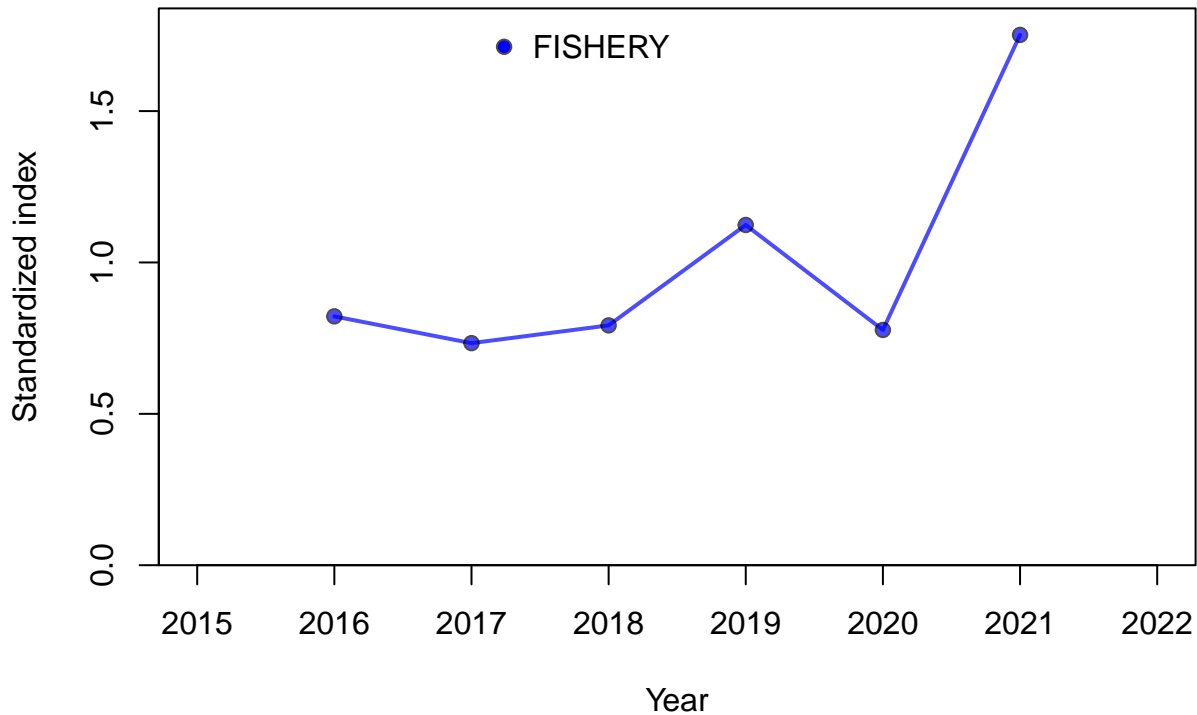
Log index



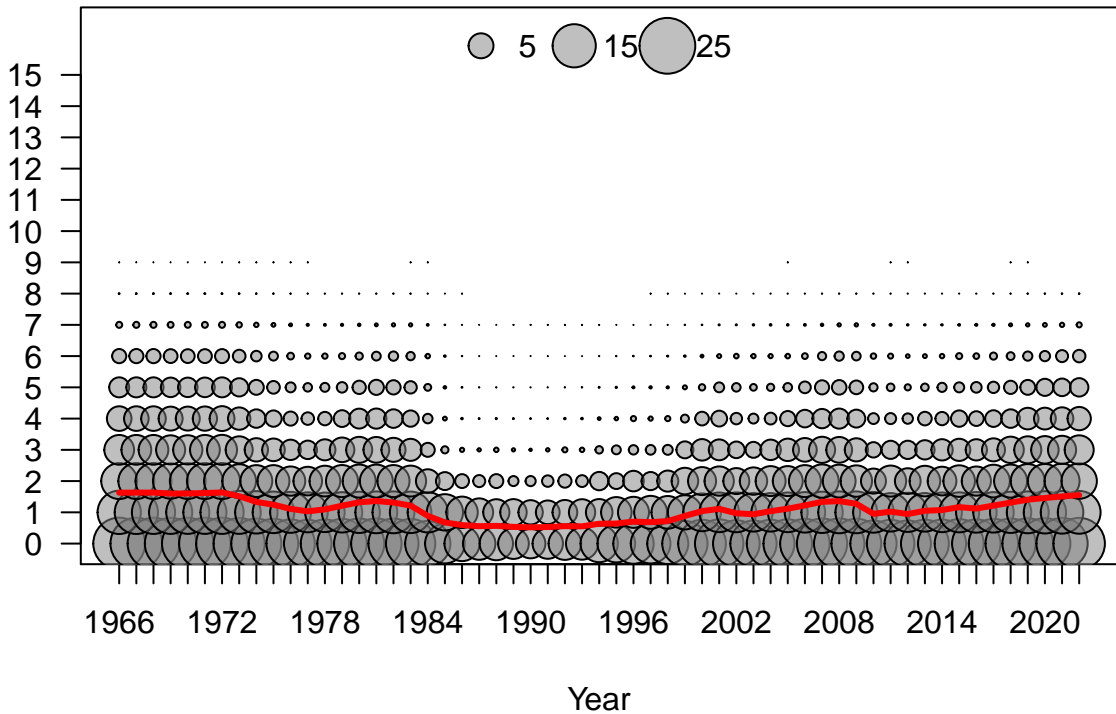


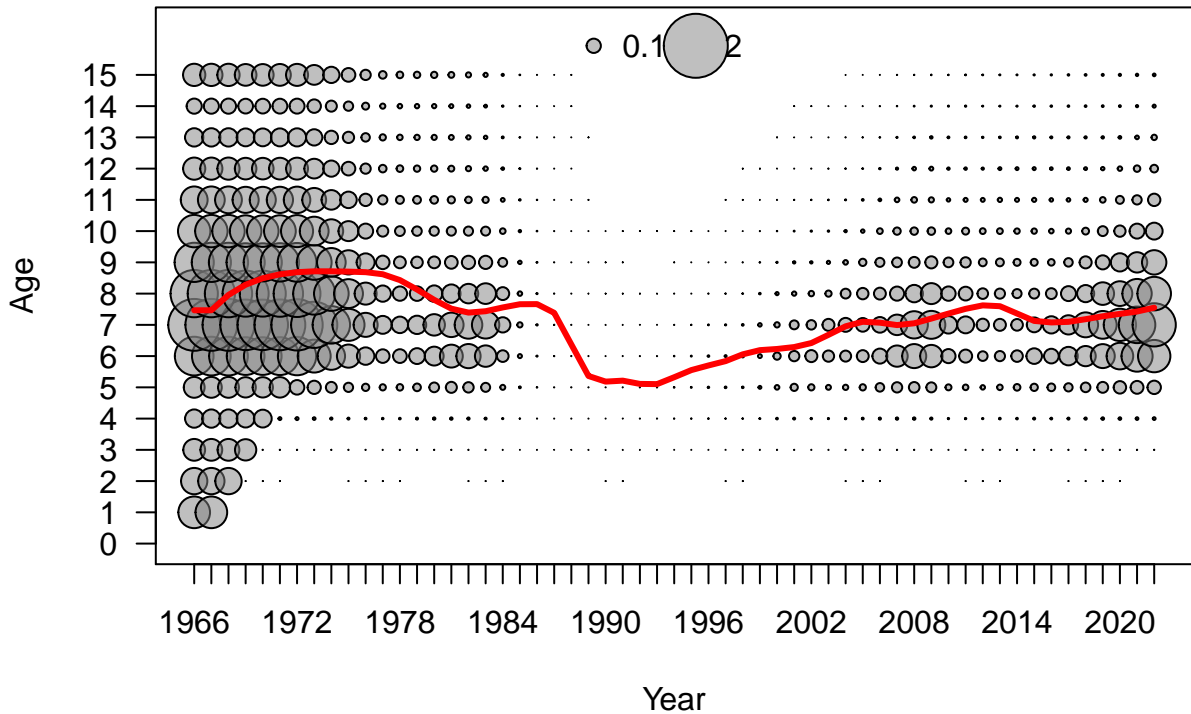


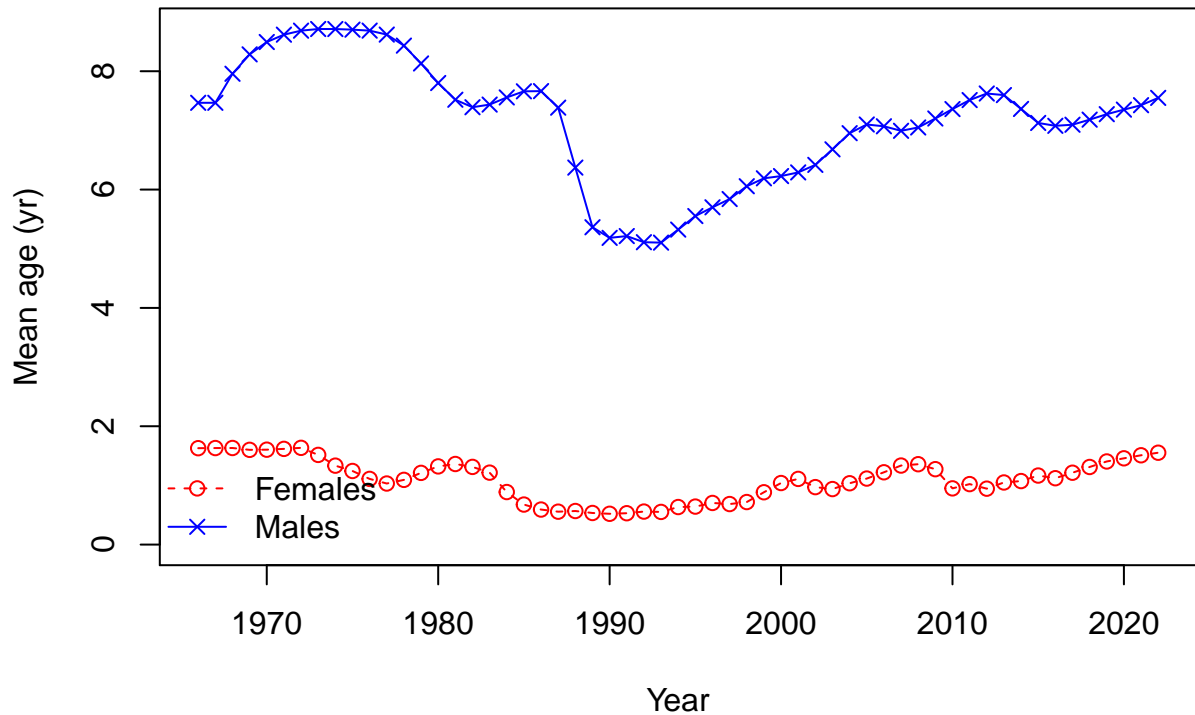




Age

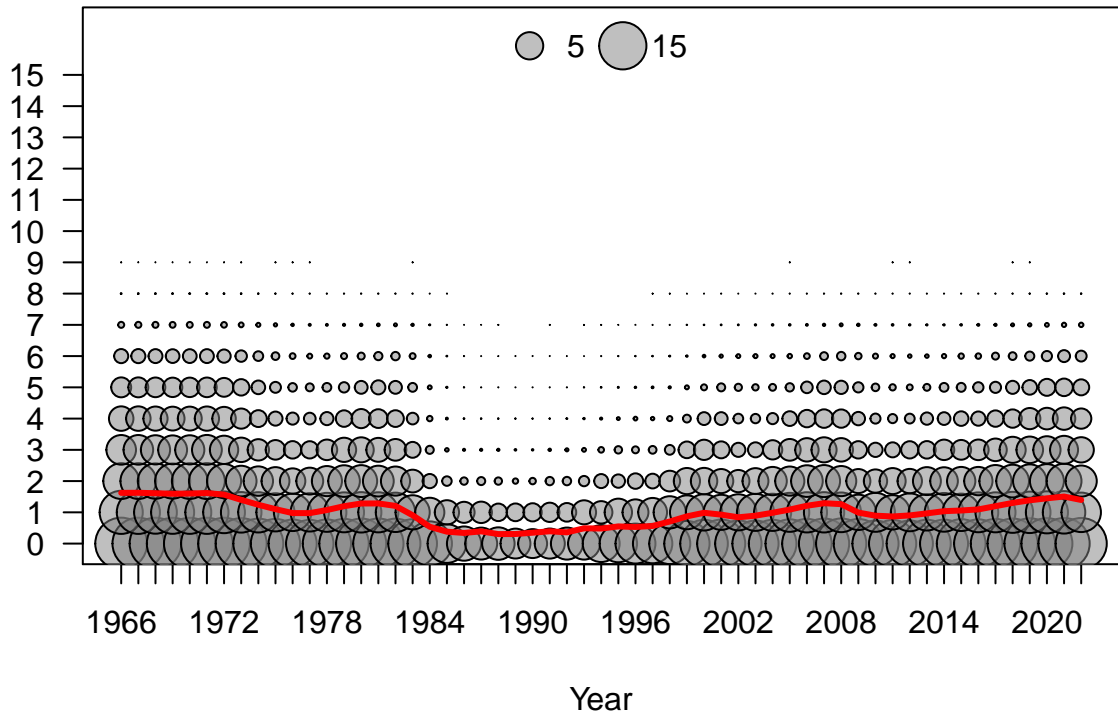


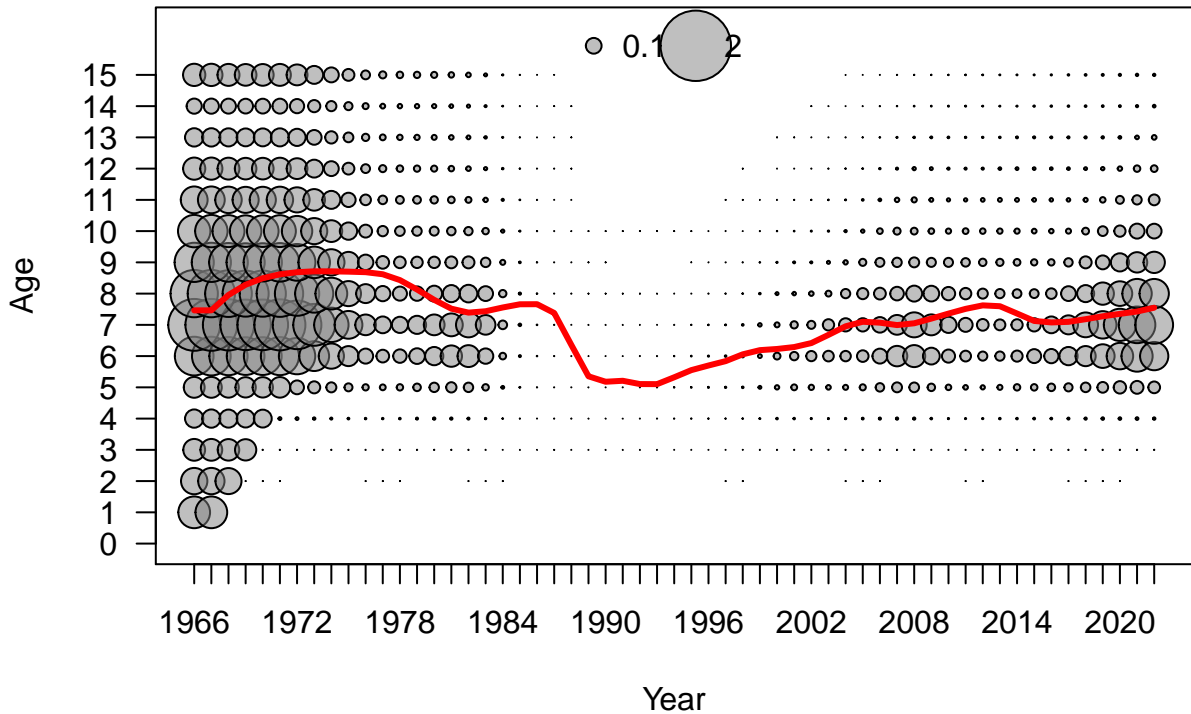


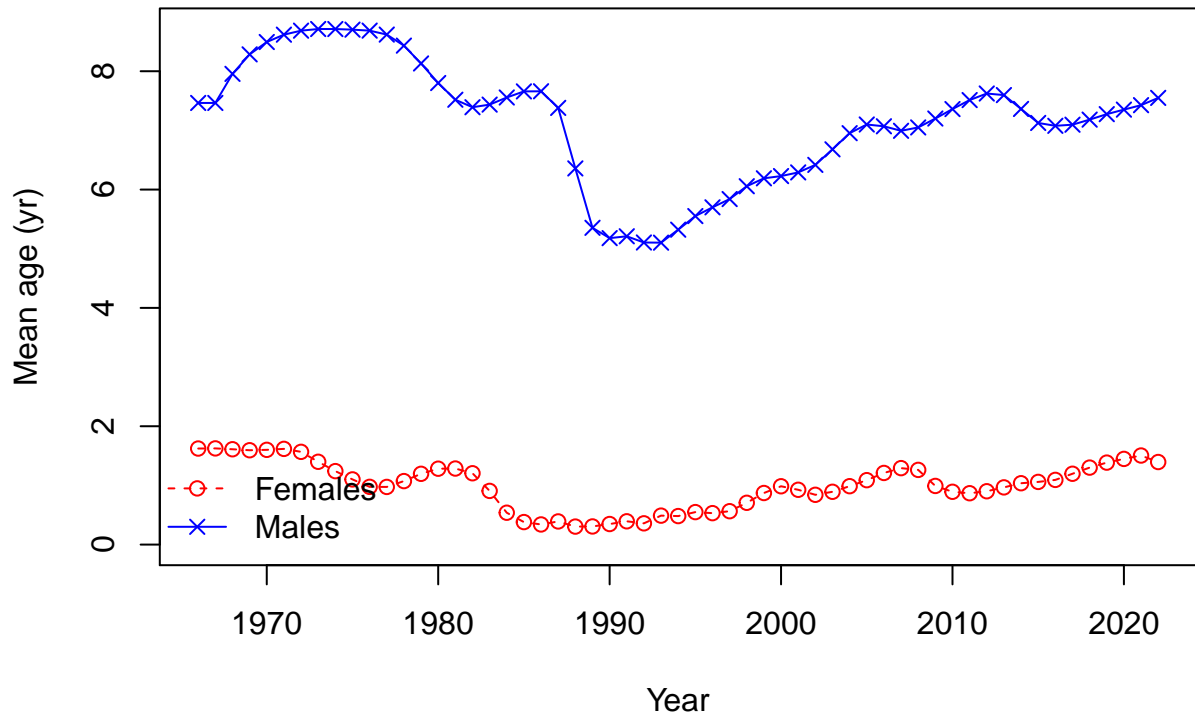




Age







Age

14  
12  
10  
8  
6  
4  
2  
0

1970

1980

1990

2000

2010

2020

Year

1

0.8

0.6

0.9

0.3

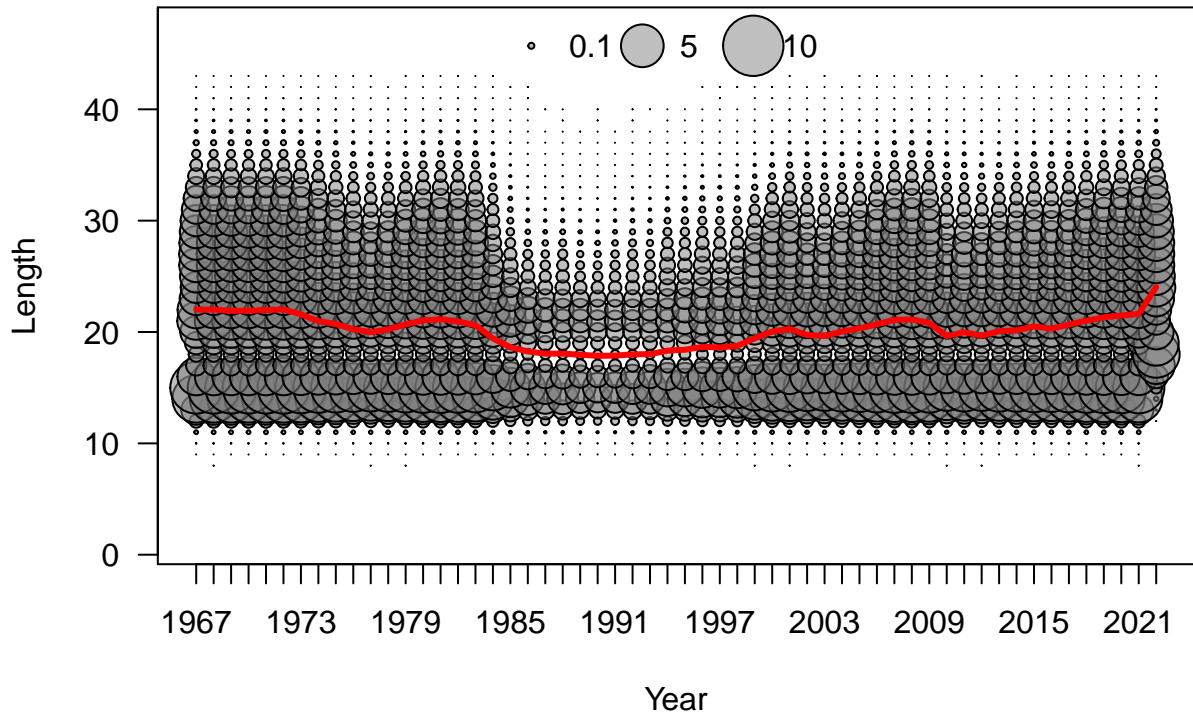
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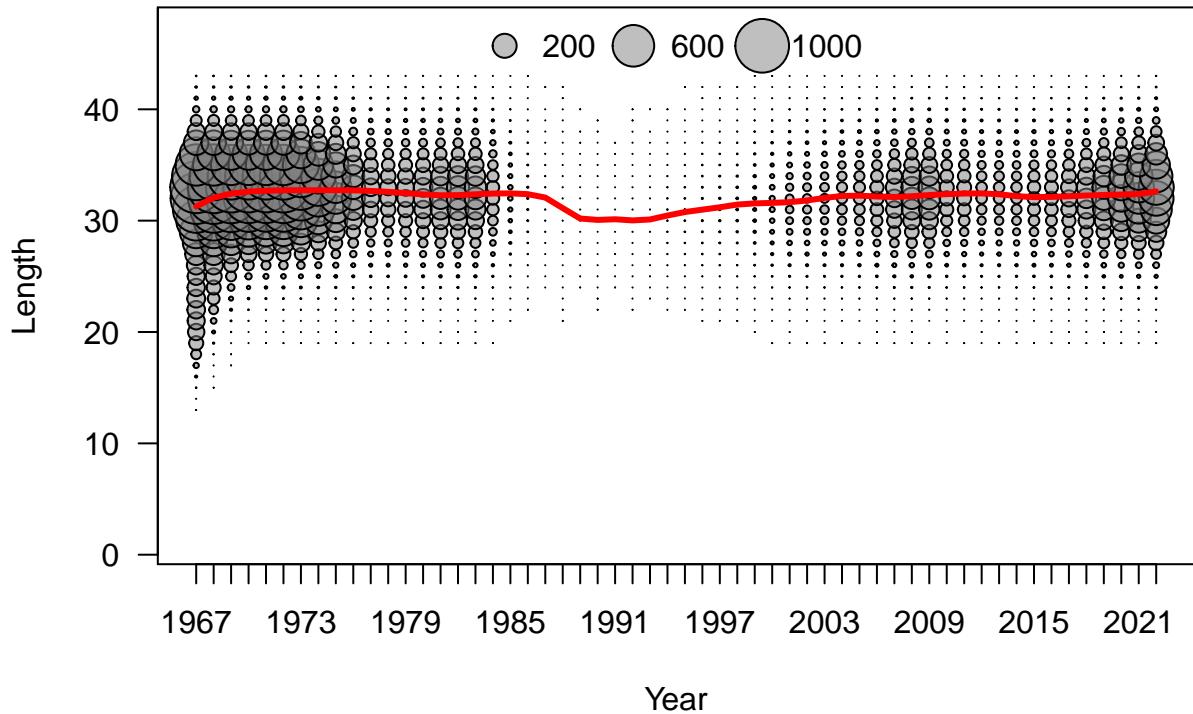
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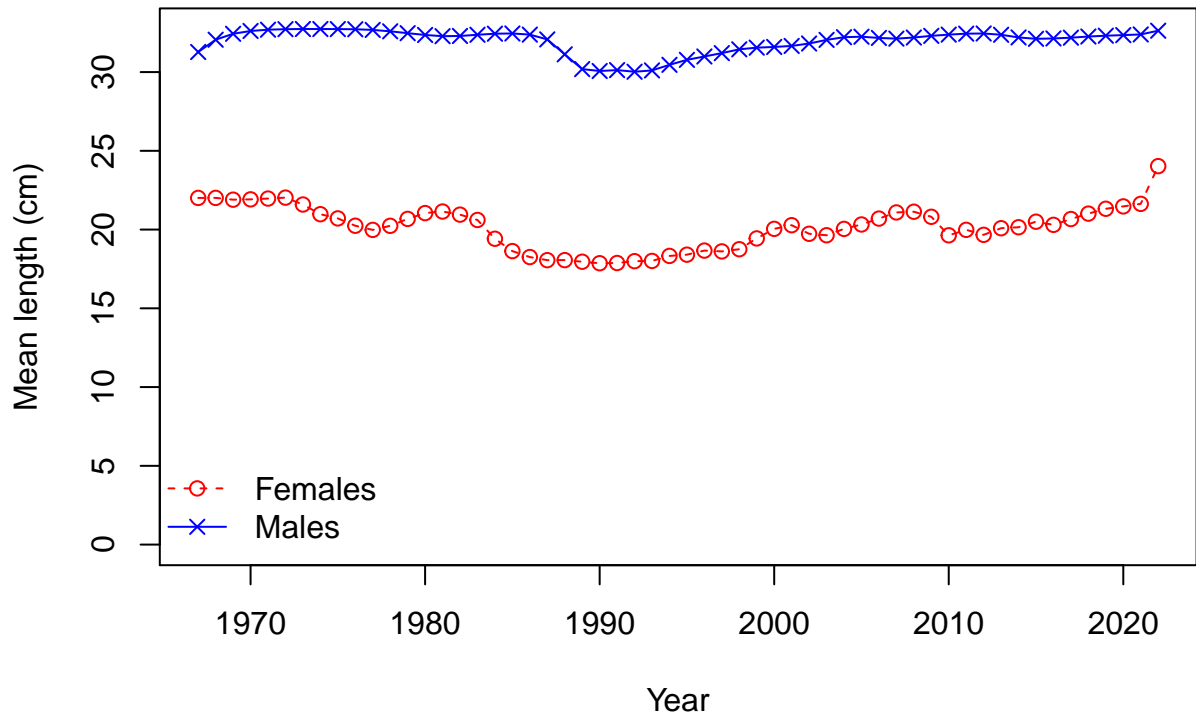
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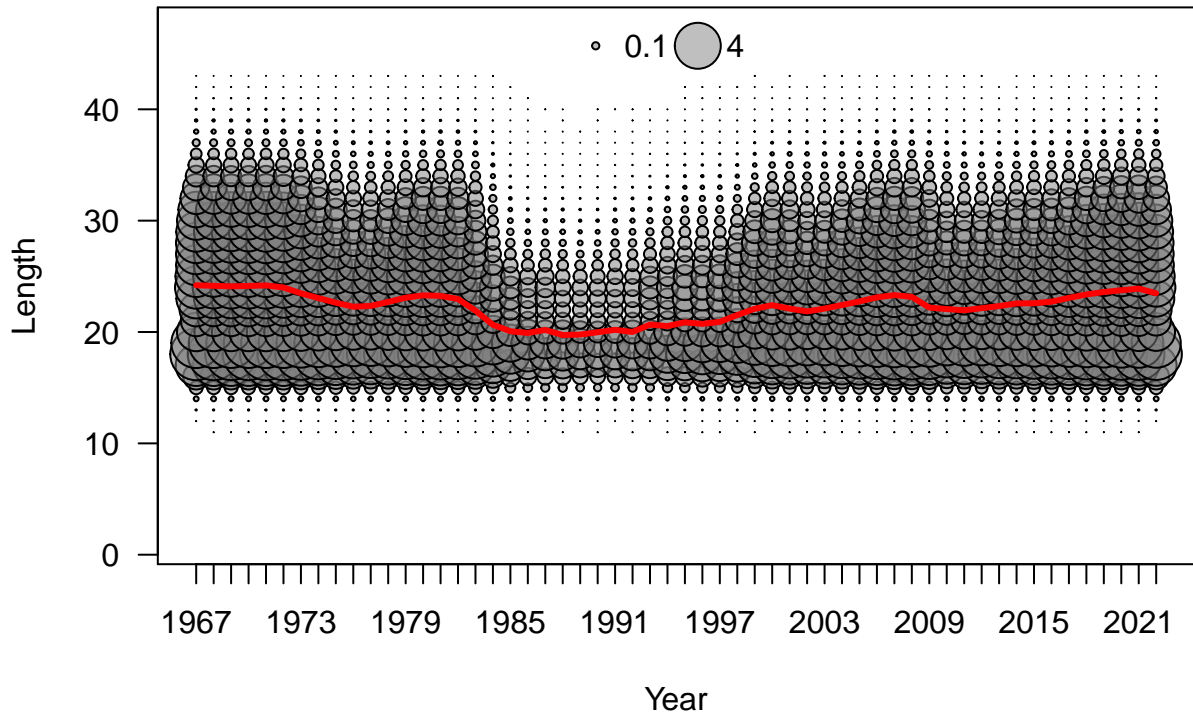
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0.5

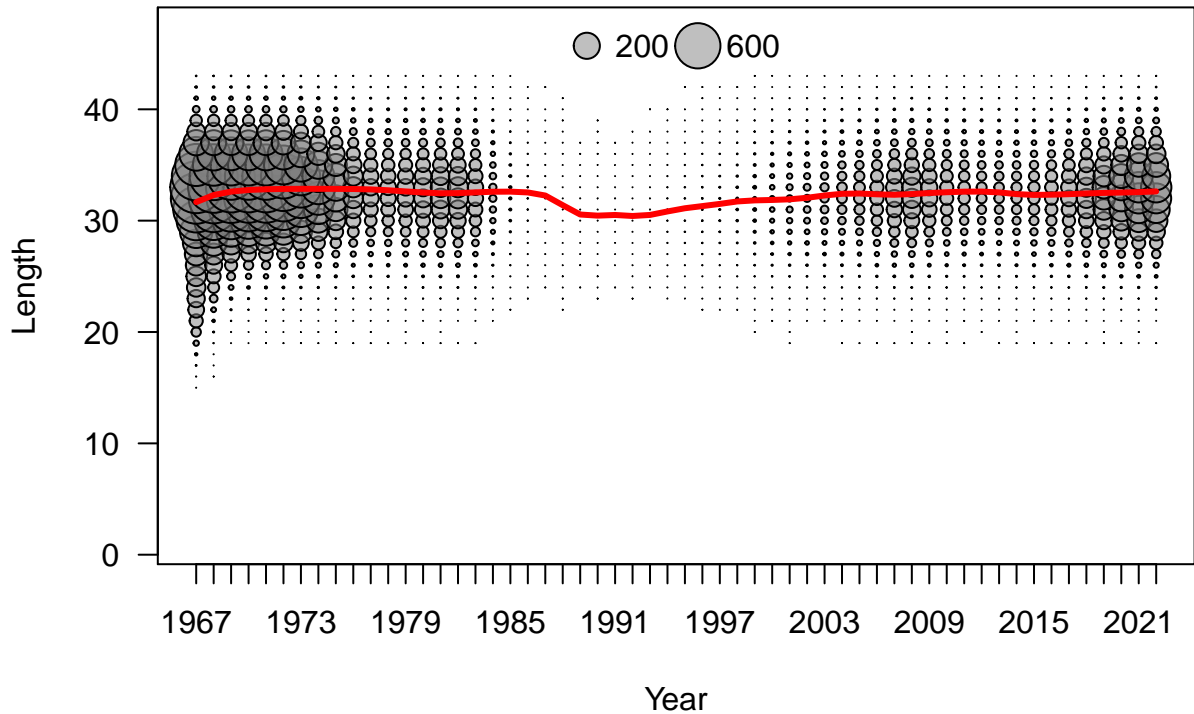


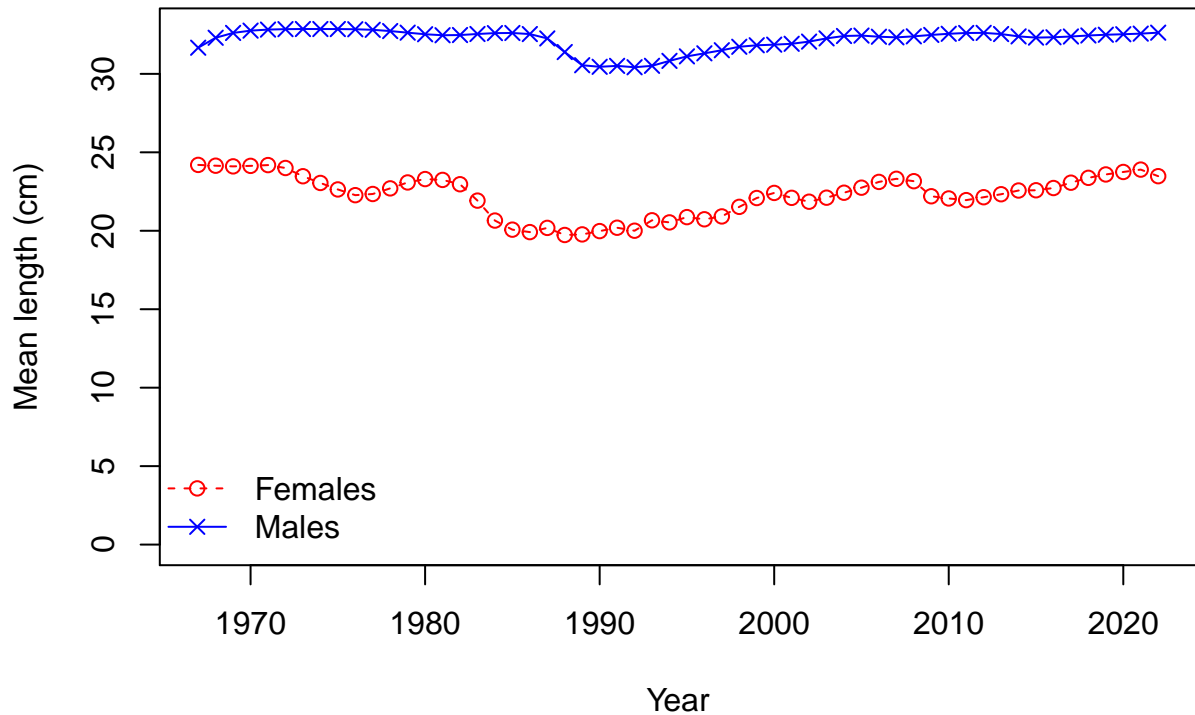




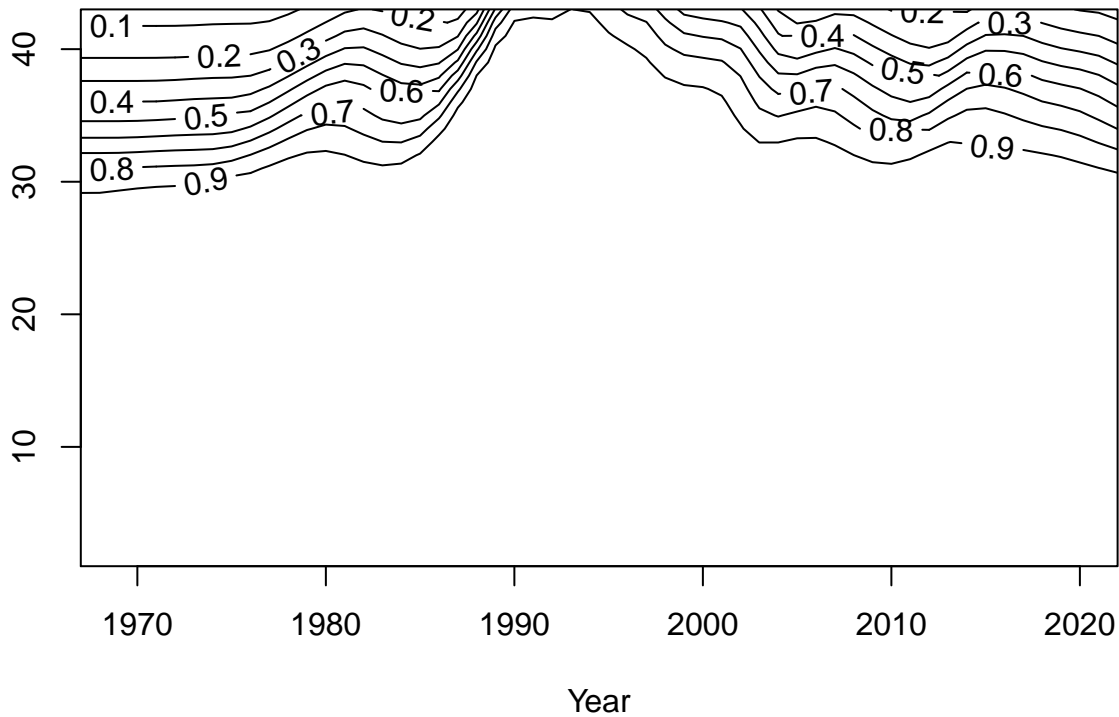


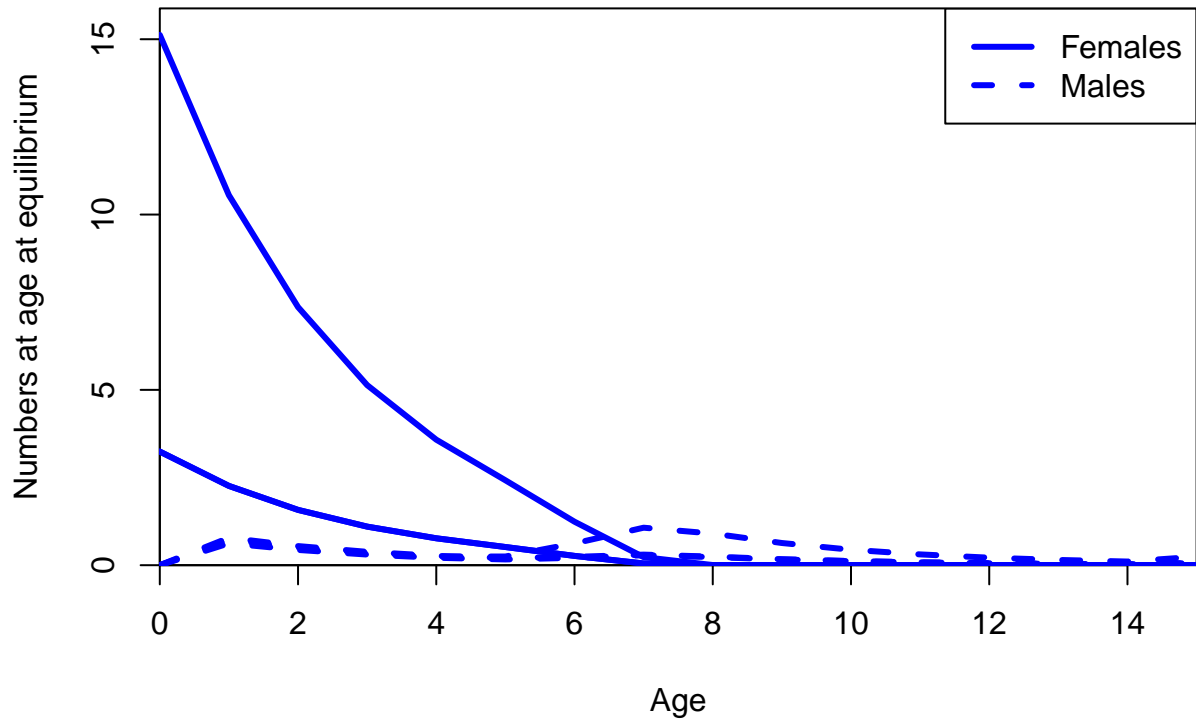






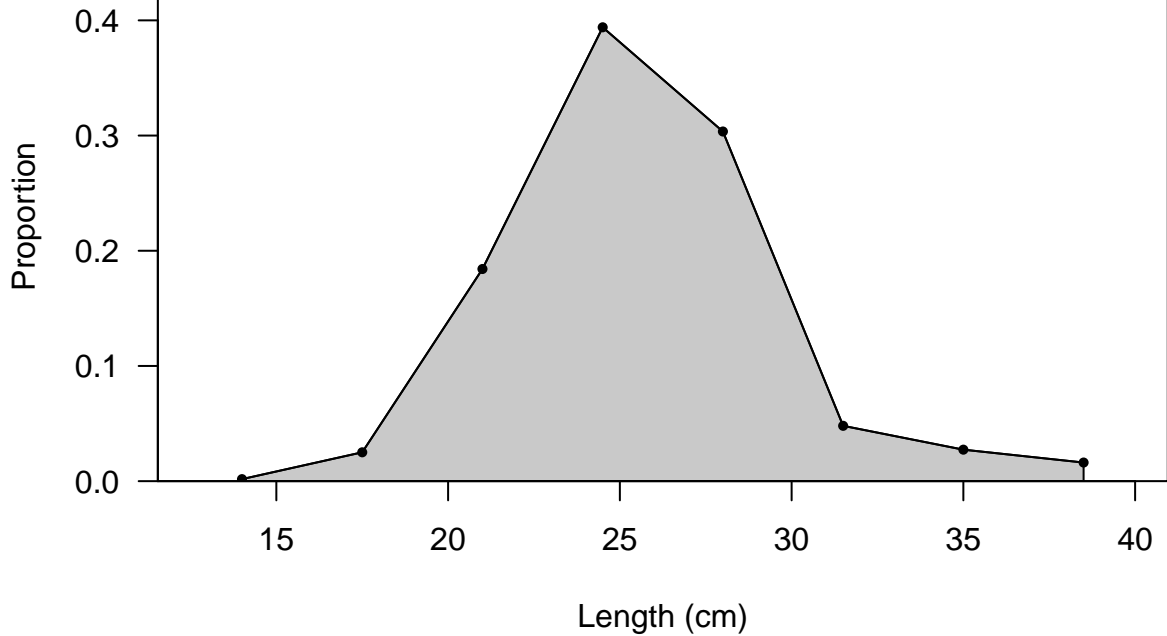
Length

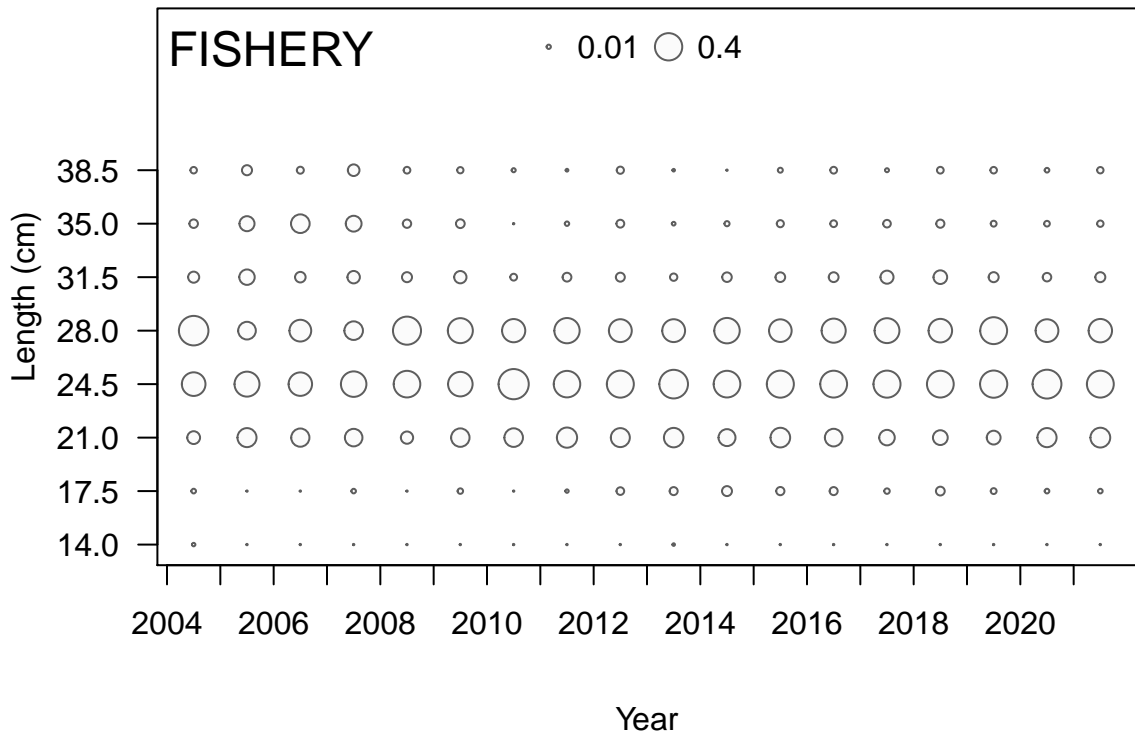




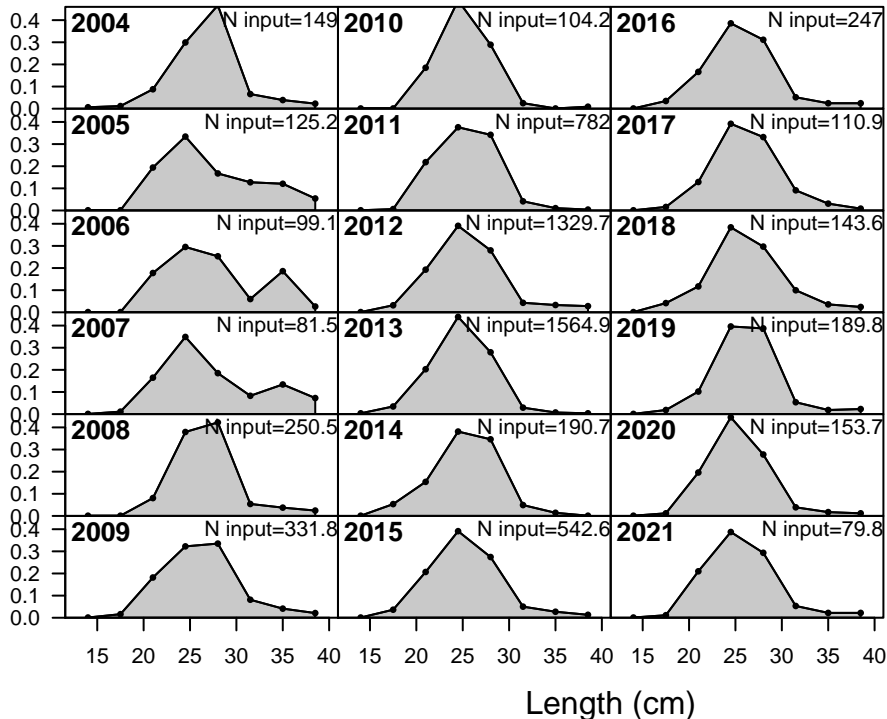
**FISHERY**

Sum of N input=6476





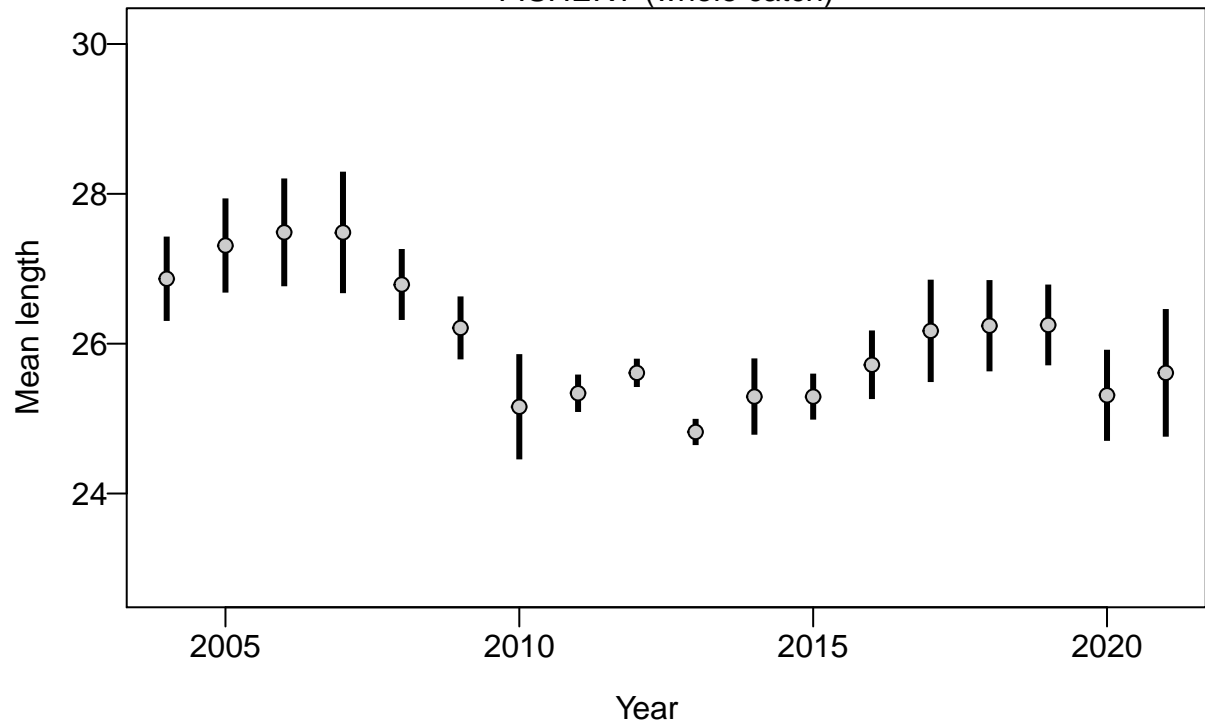
Proportion





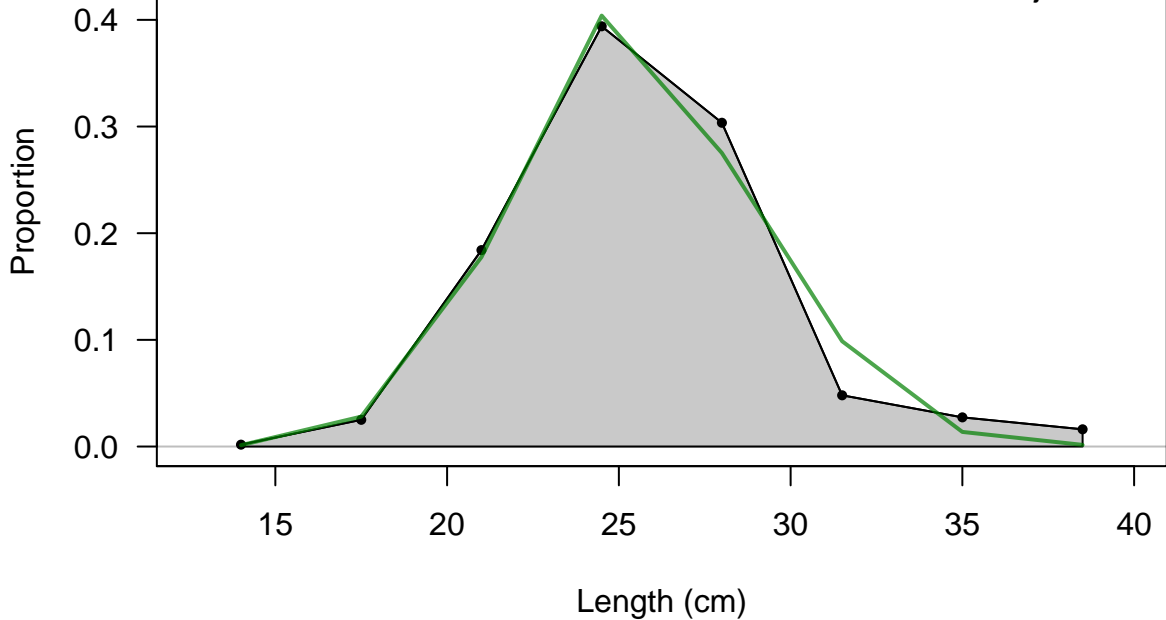


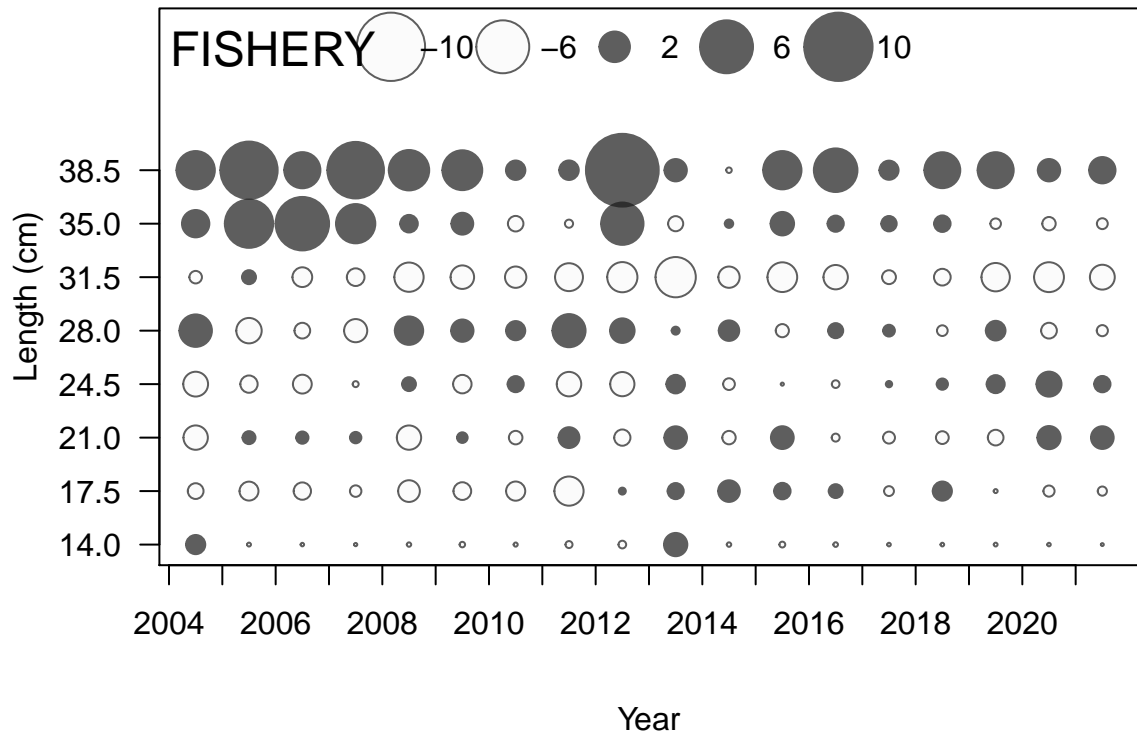
FISHERY (whole catch)



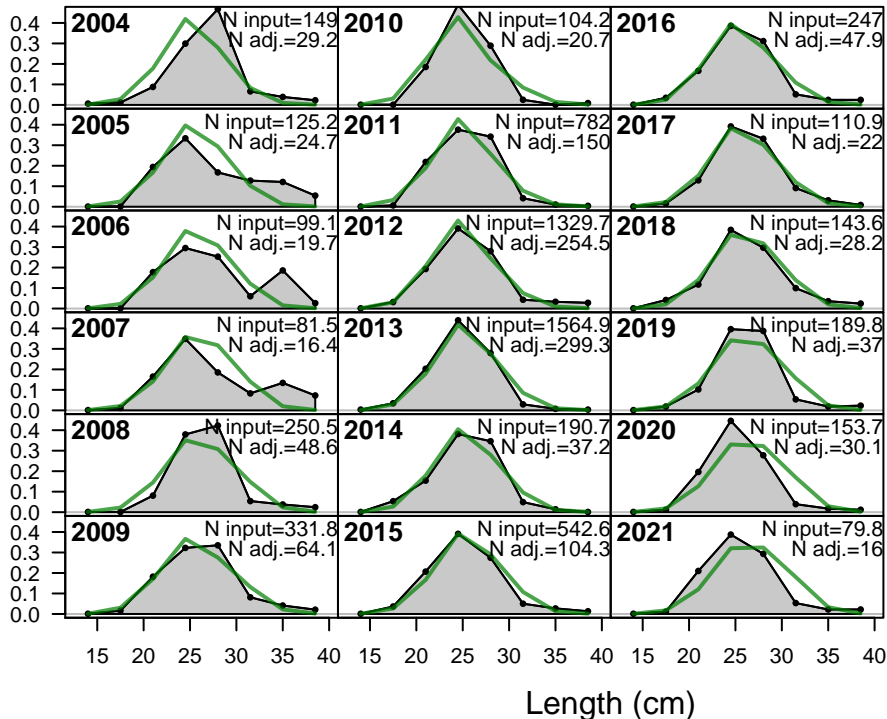
# FISHERY

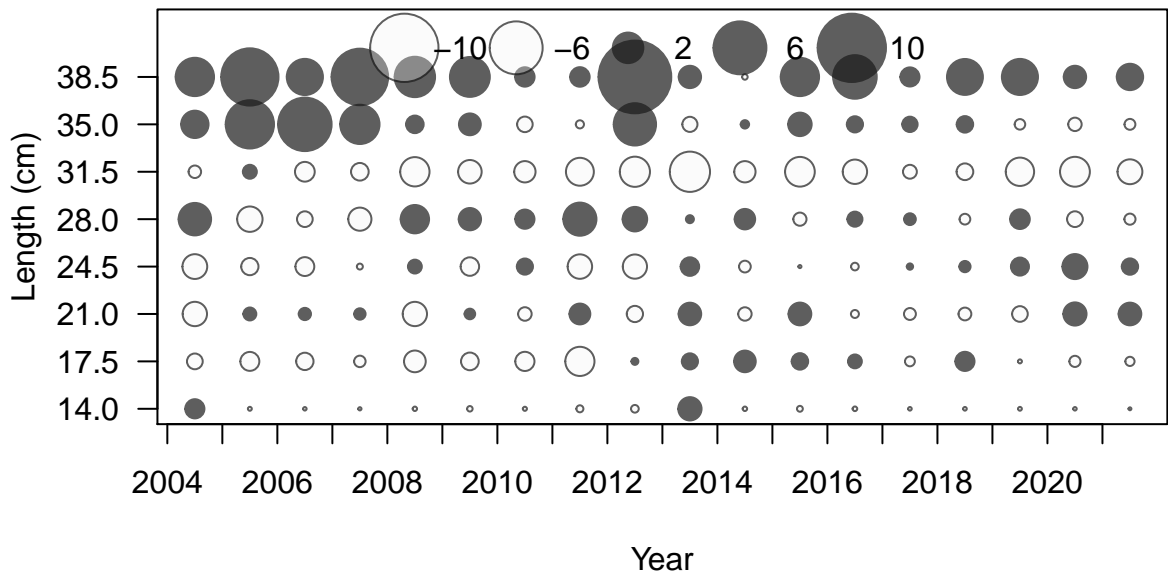
Sum of N input=6476  
Sum of N adj.=1249.9



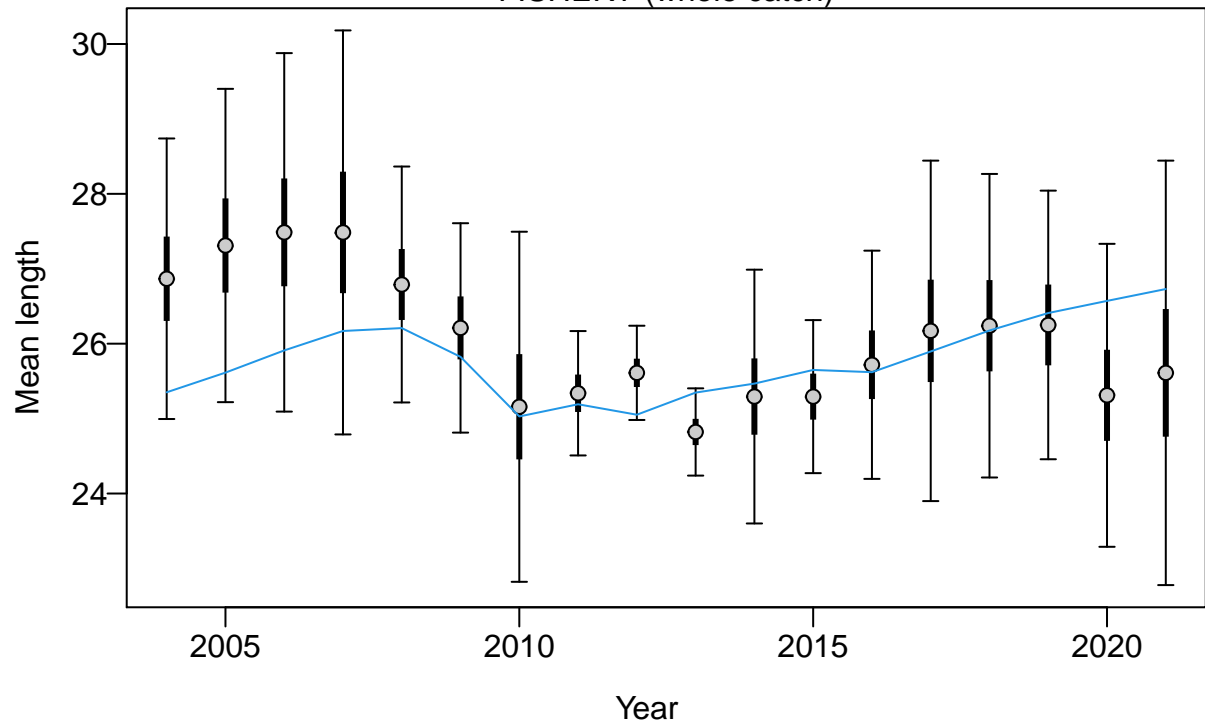


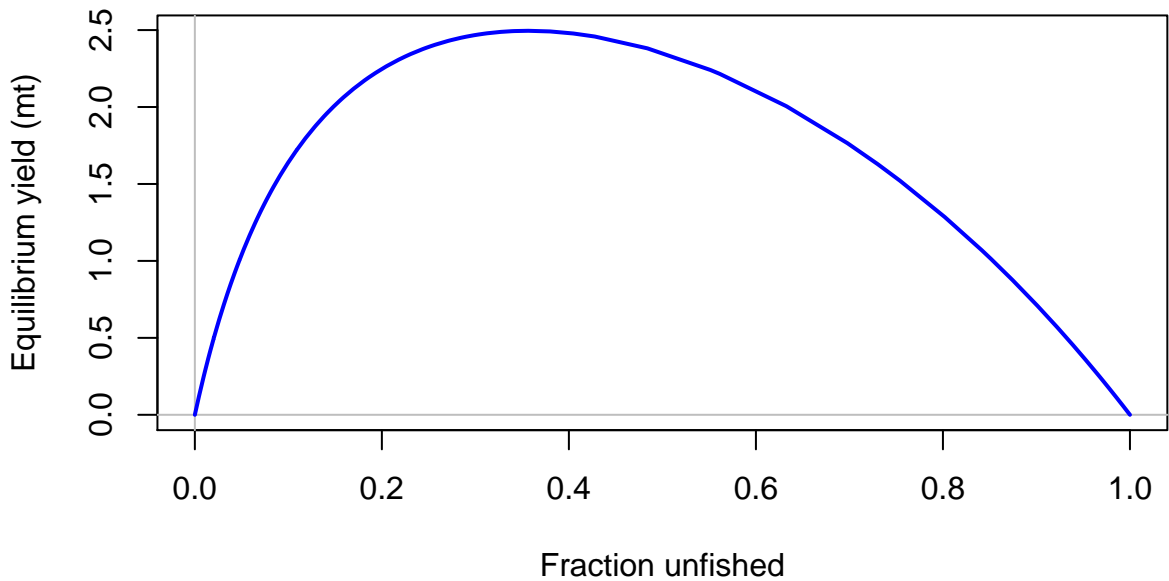
Proportion

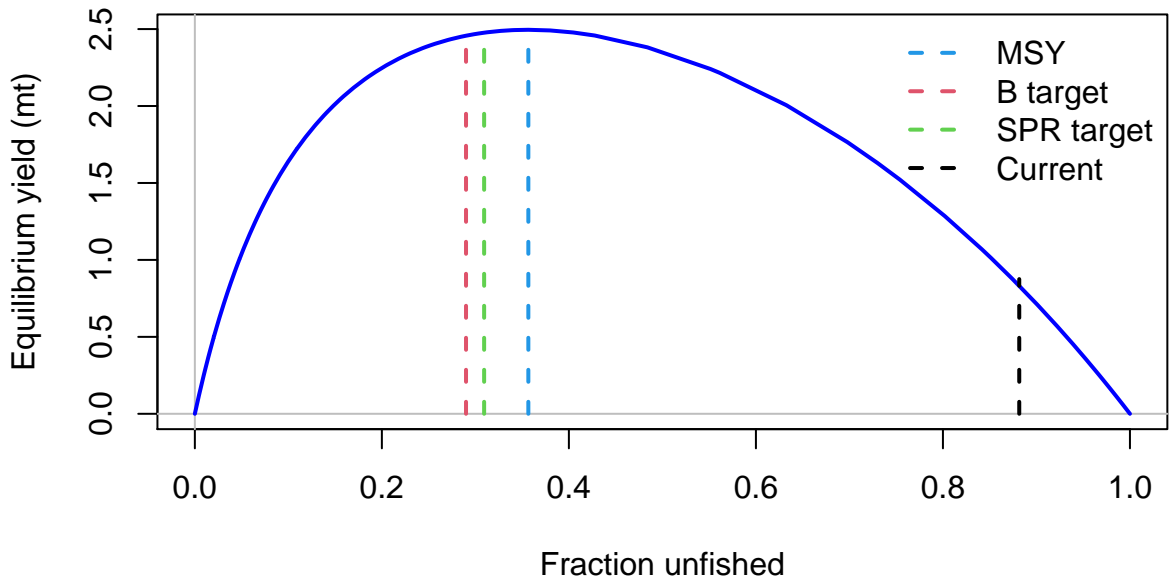




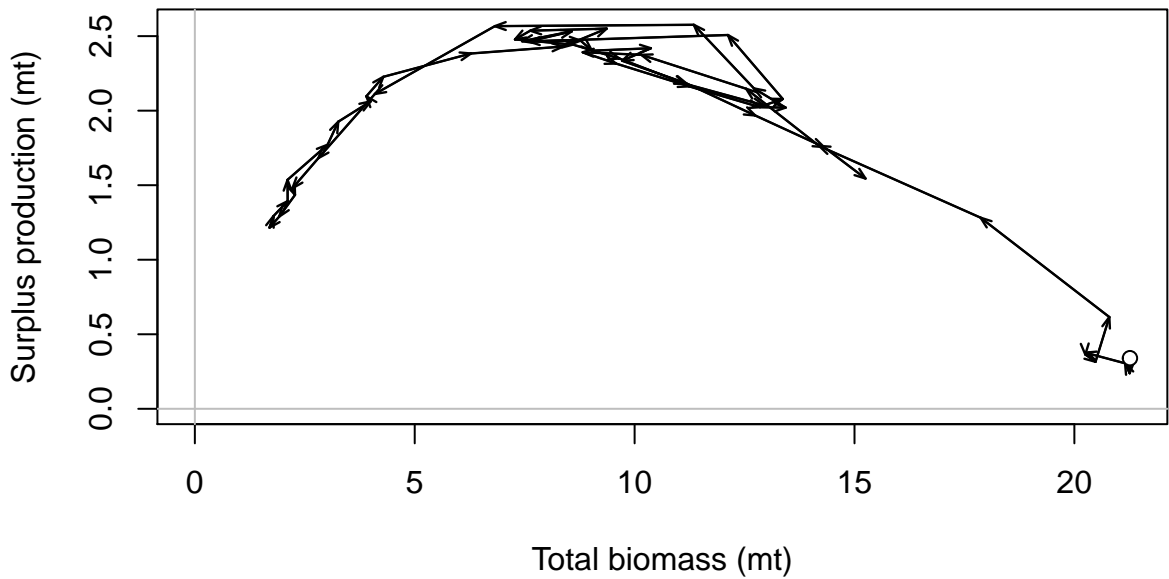
## FISHERY (whole catch)

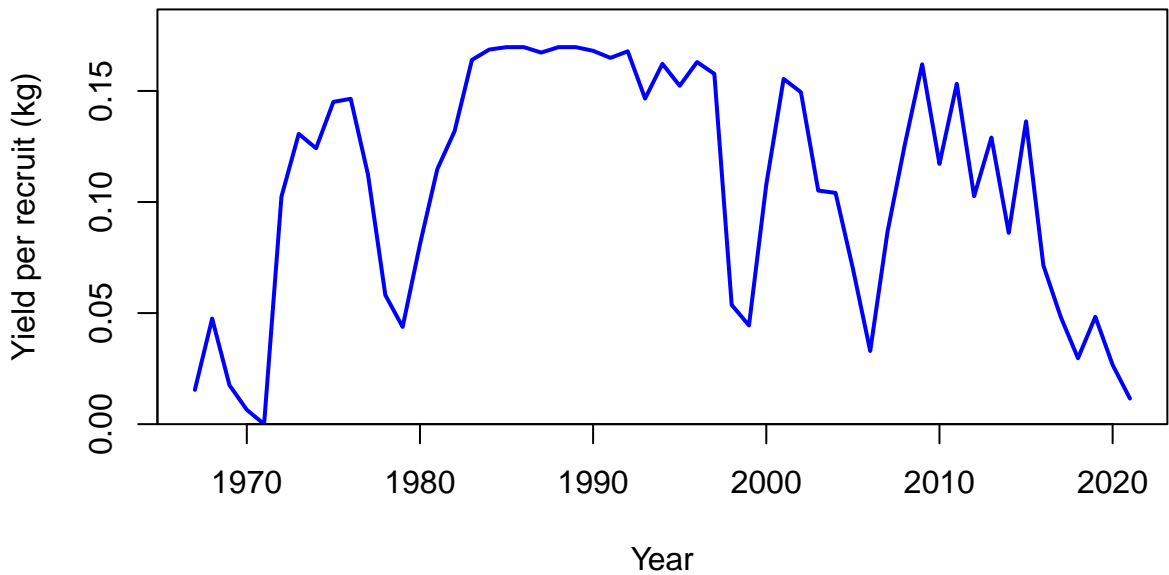




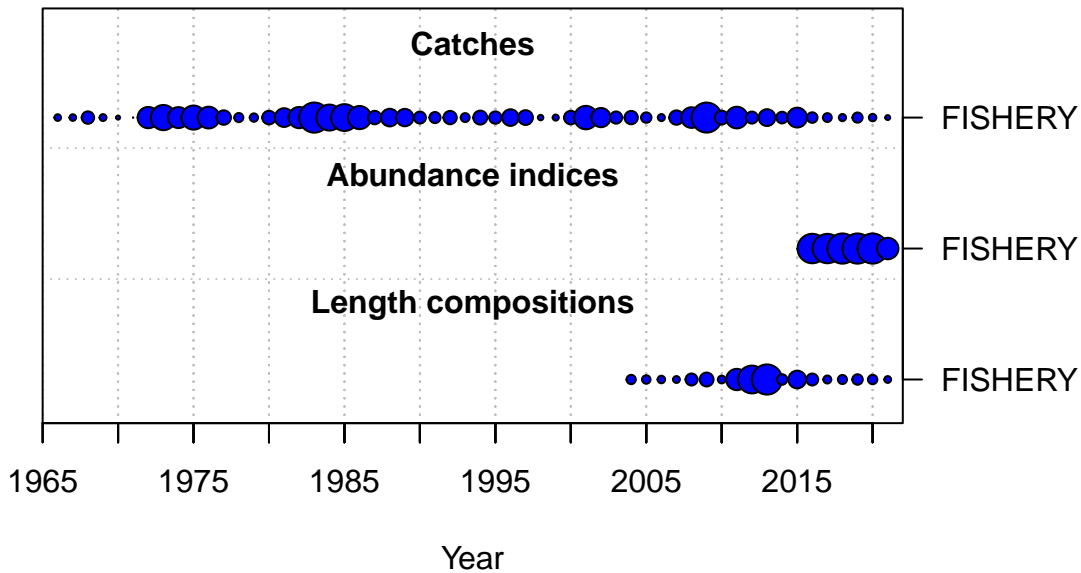








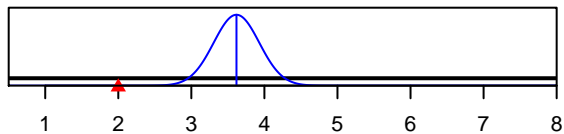




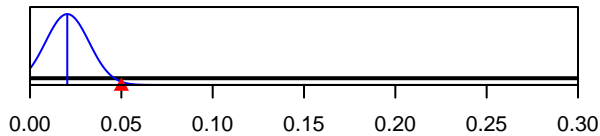
SR\_LN(R0)



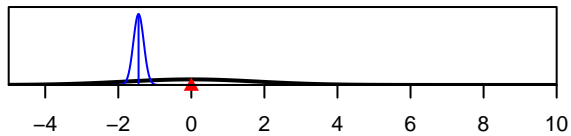
Size\_95%width\_FISHERY(1)



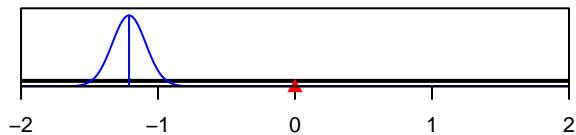
InitF\_seas\_1flt\_1FISHERY



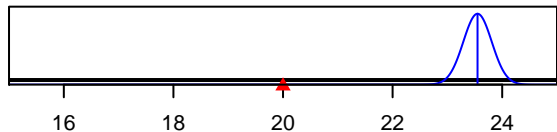
ln(DM\_theta)\_1



LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Parameter value