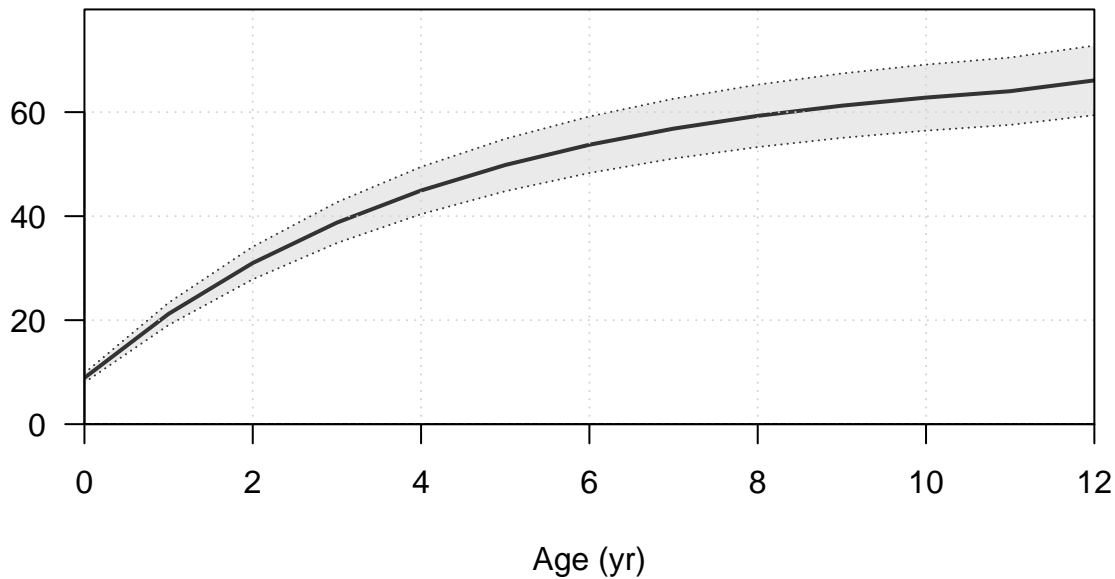
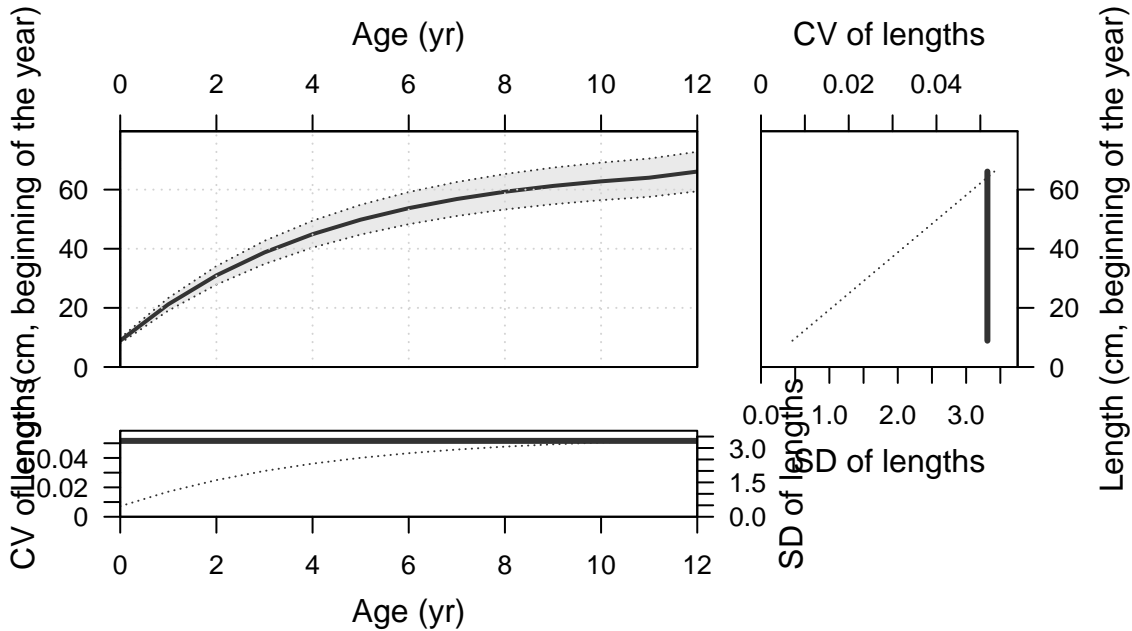
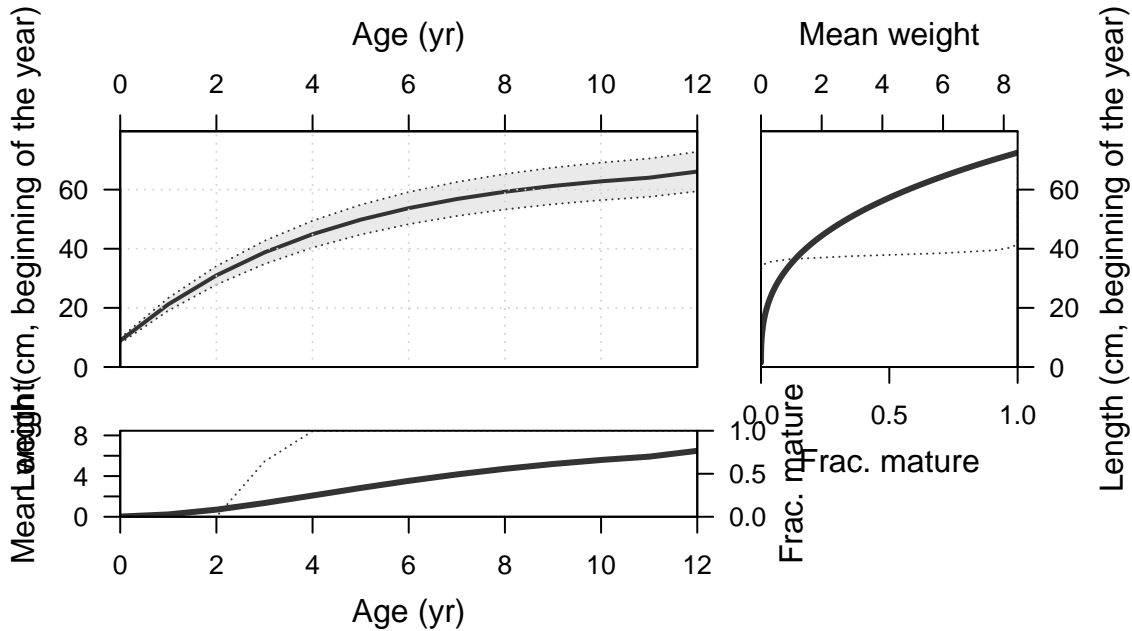


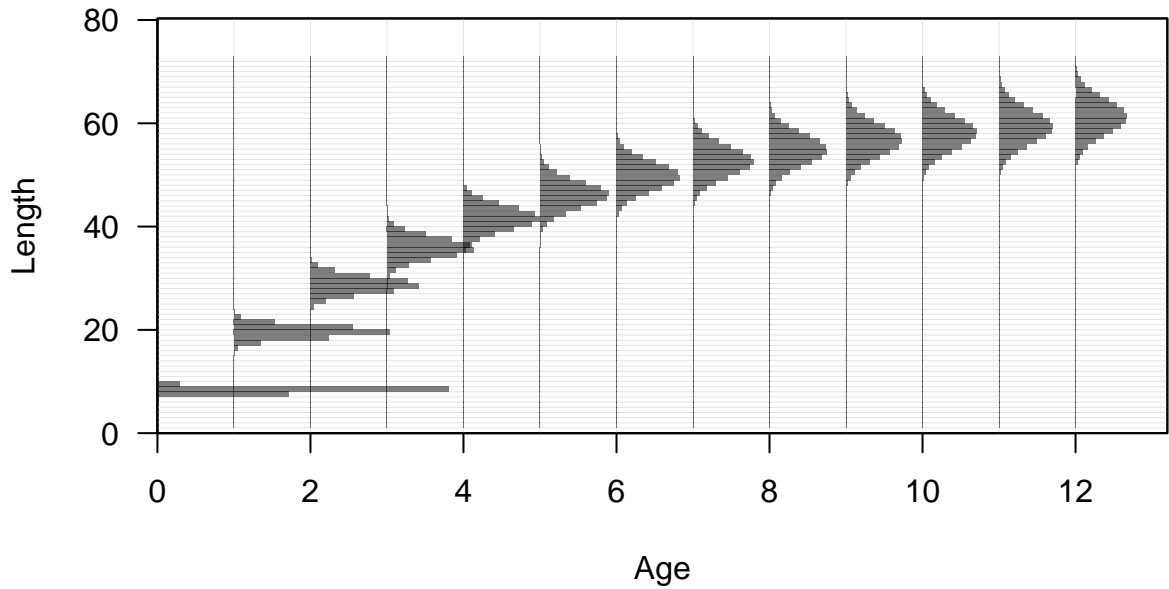
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Sun Feb 19 15:49:05 2023  
Data\_File: data.ss  
Control\_File: control.ss

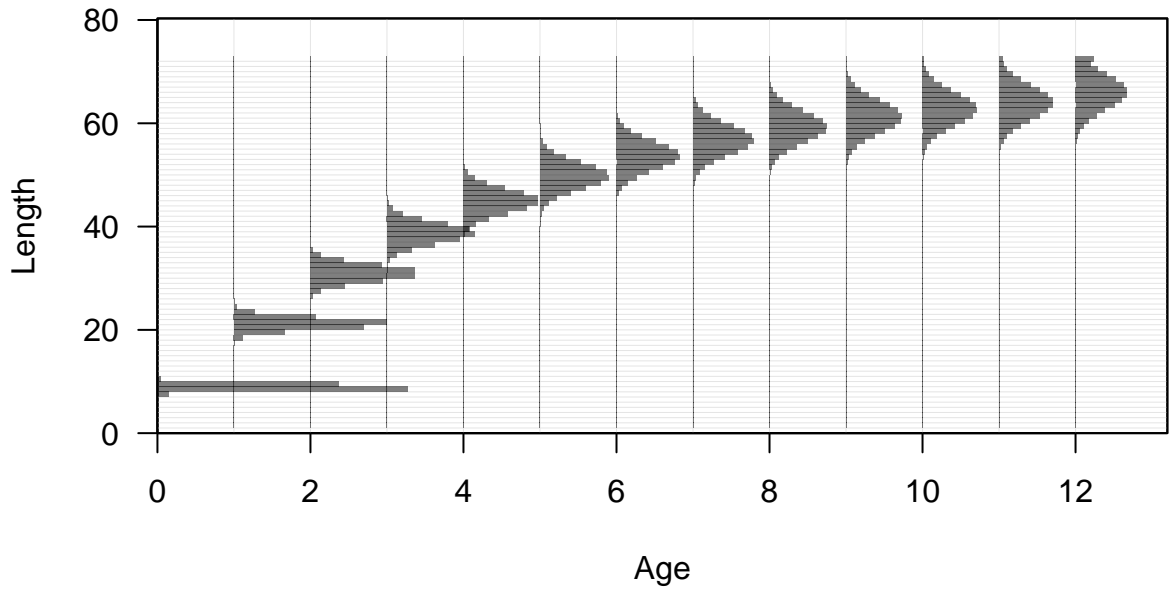
Length (cm, beginning of the year)

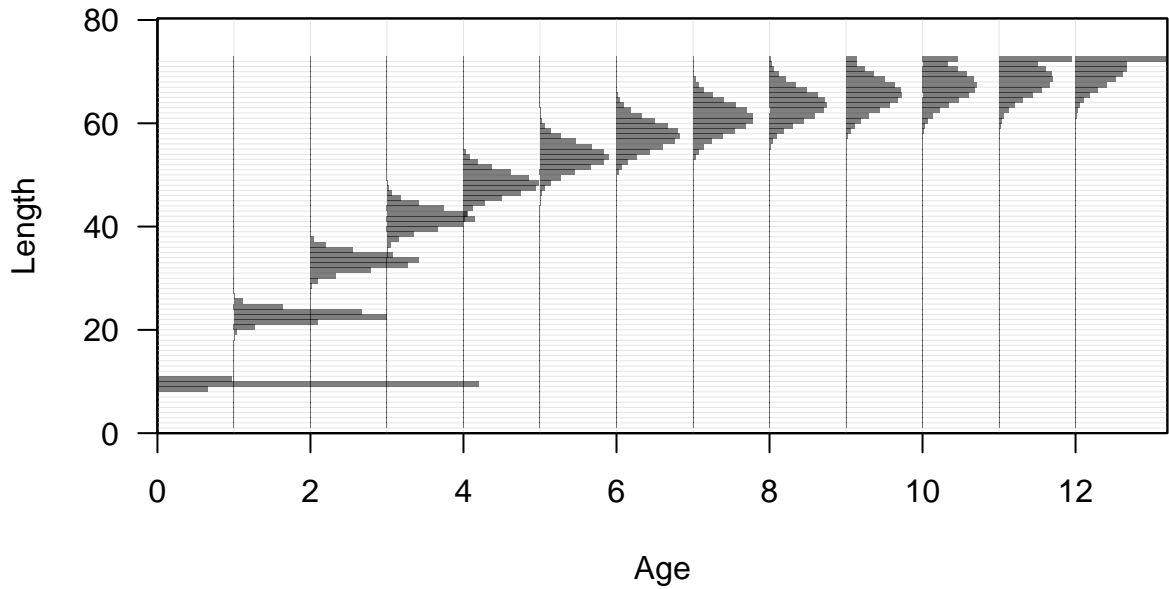


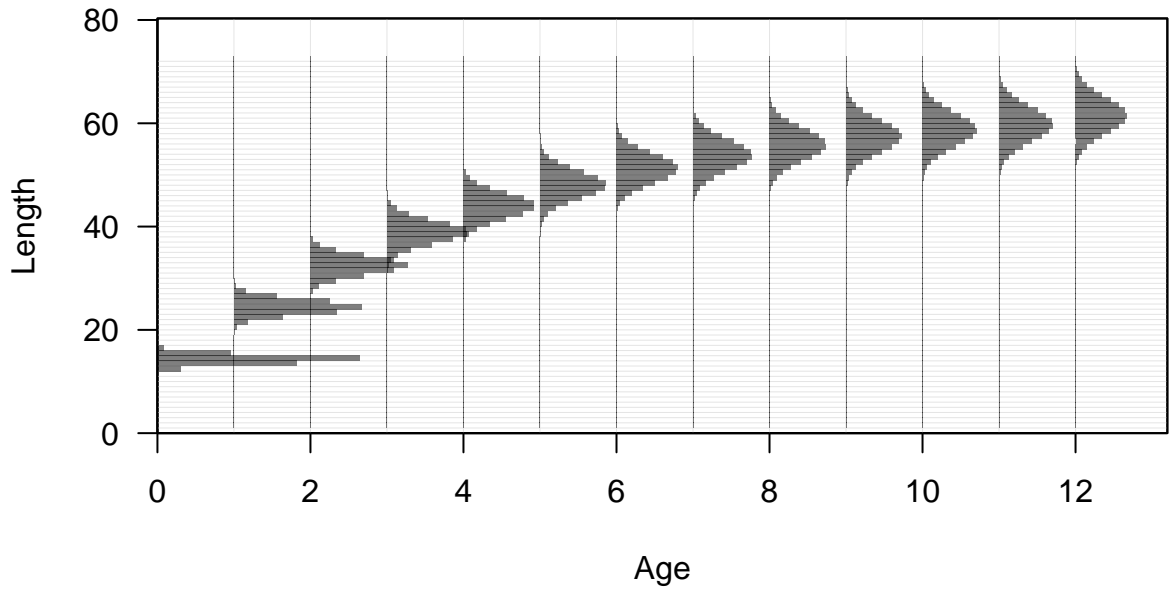




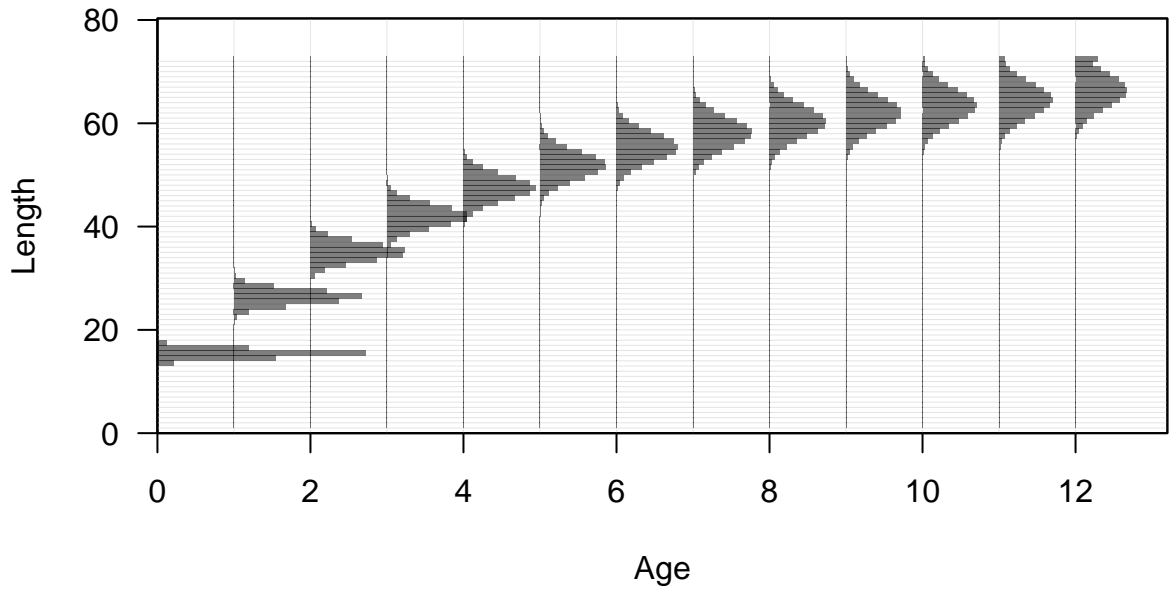


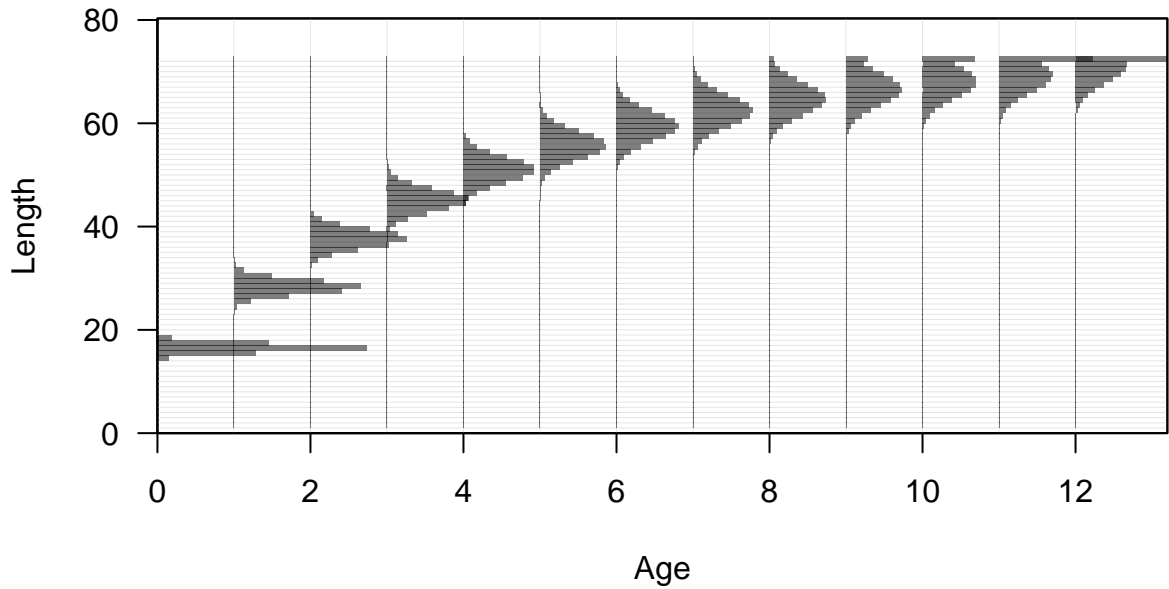


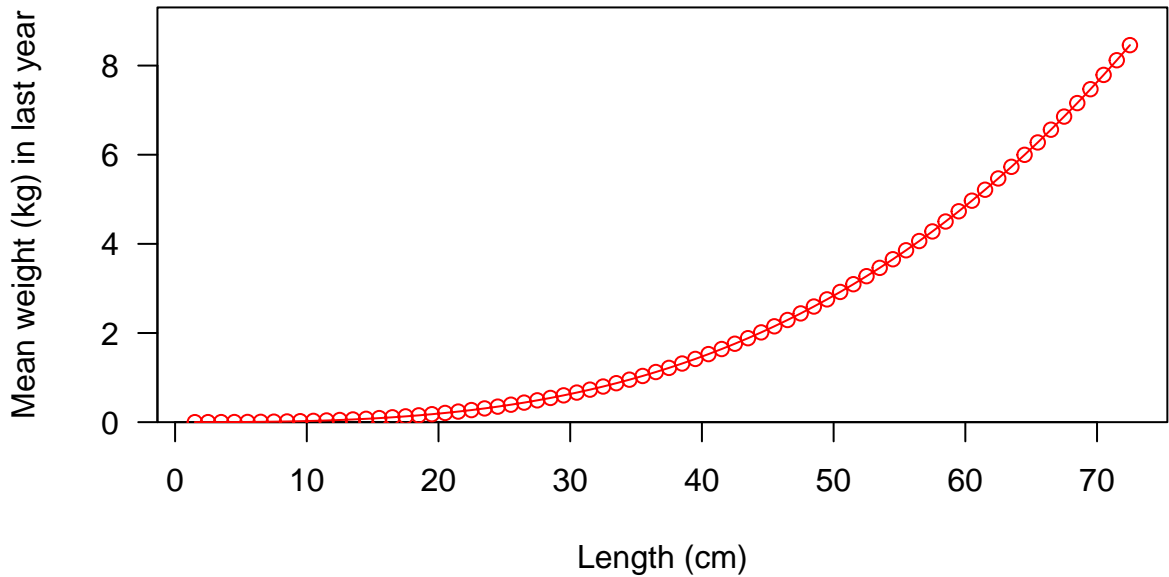


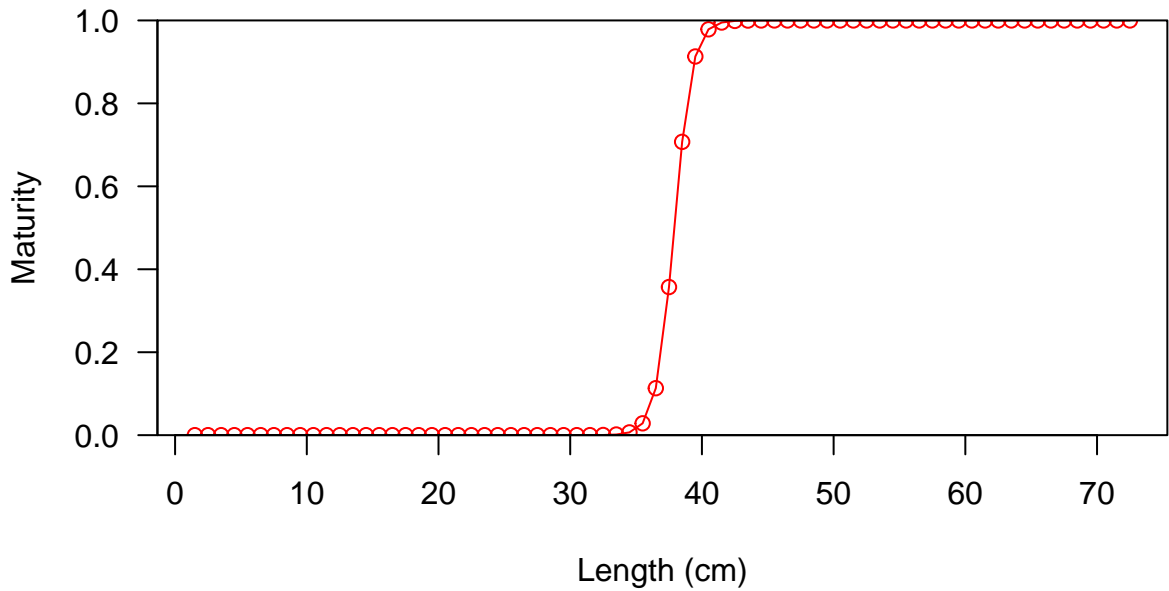


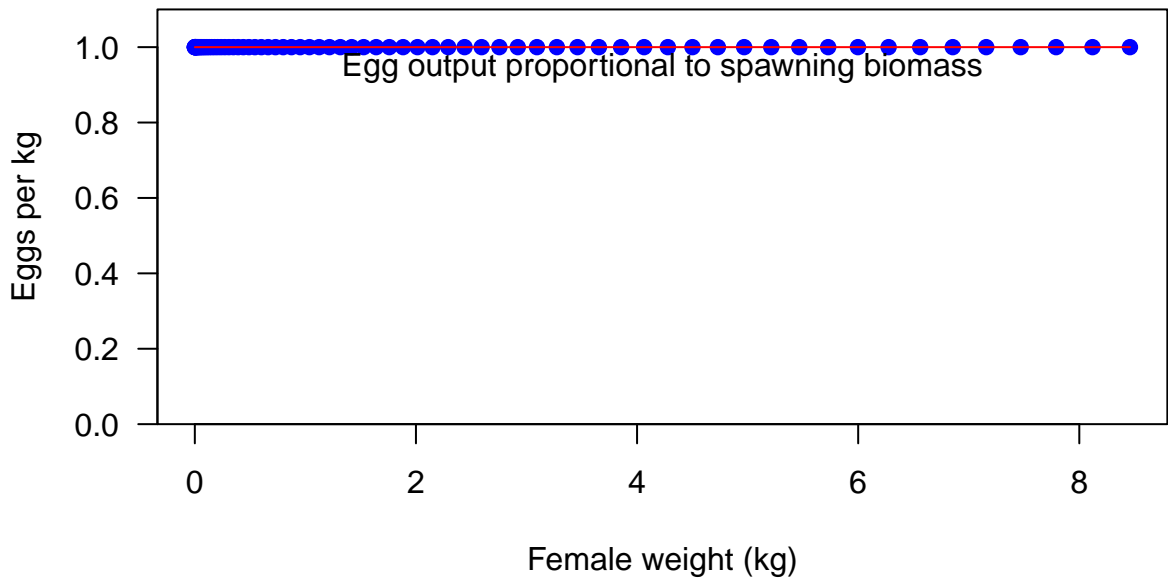




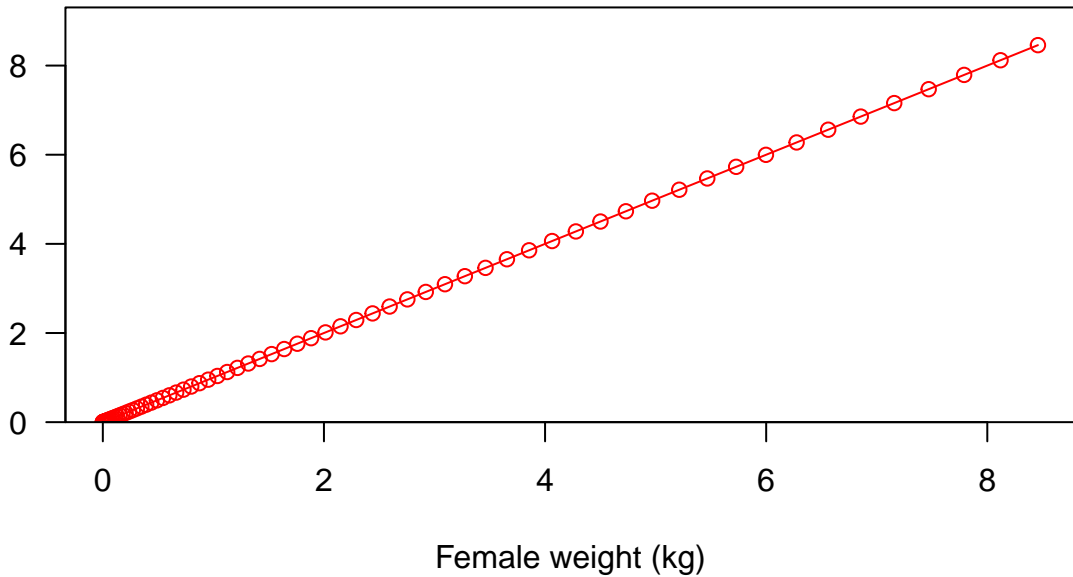




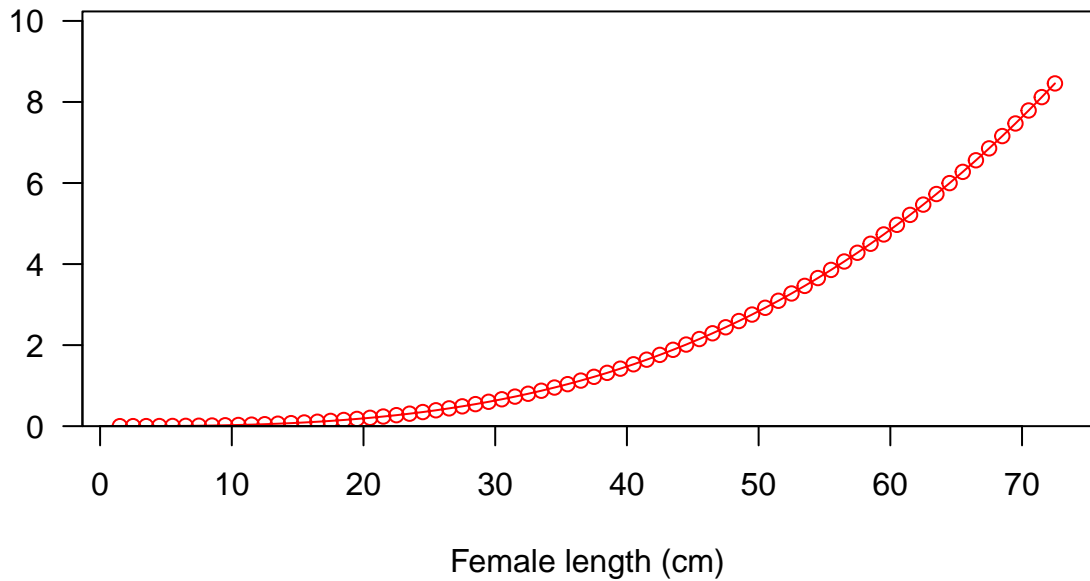




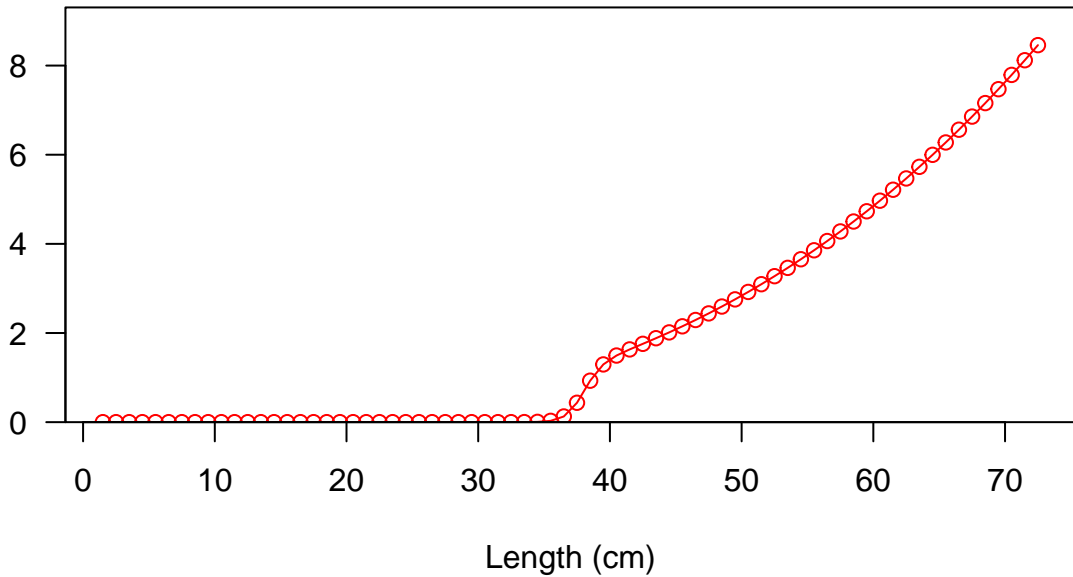
Fecundity



Fecundity

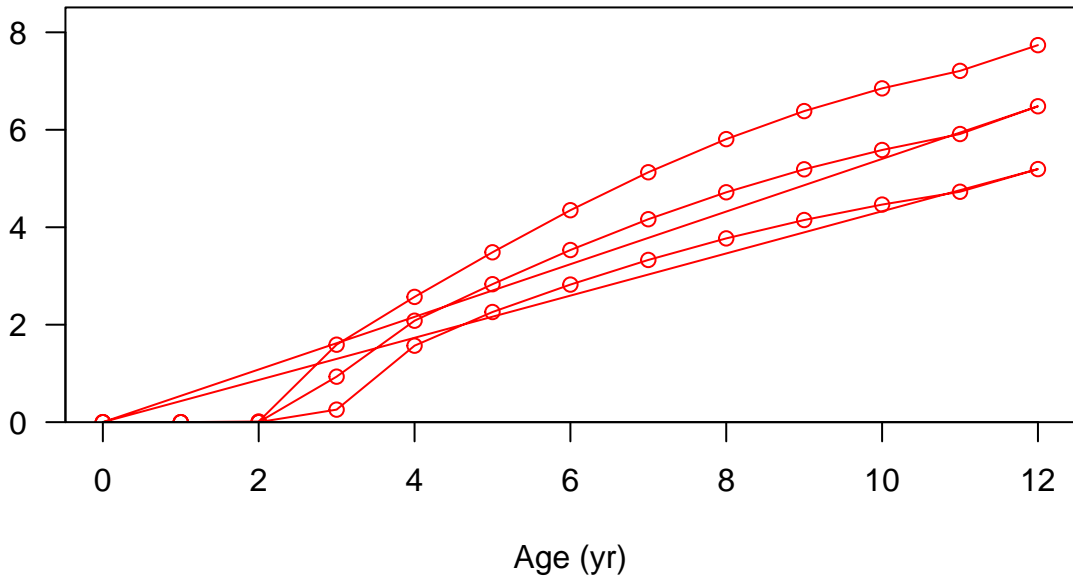


Spawning output

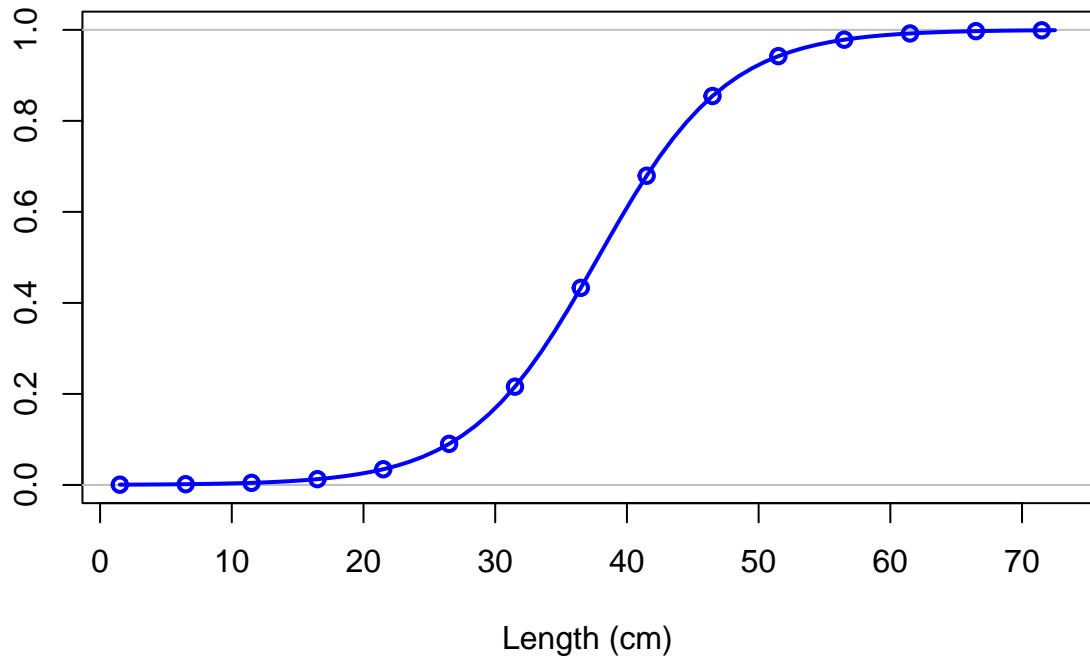




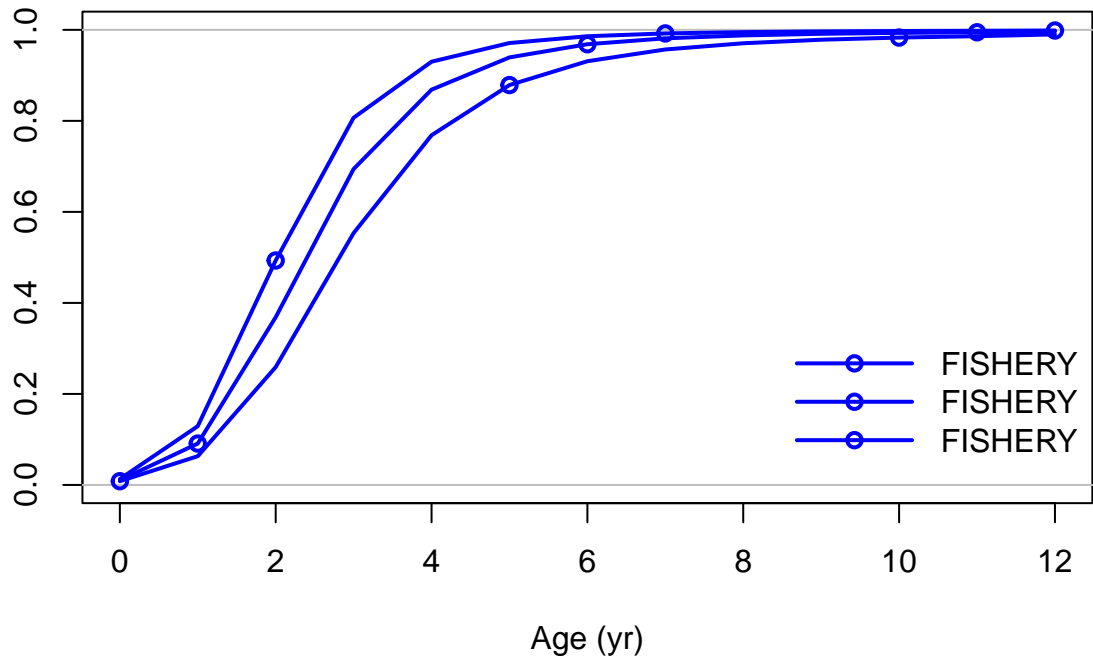
Spawning output



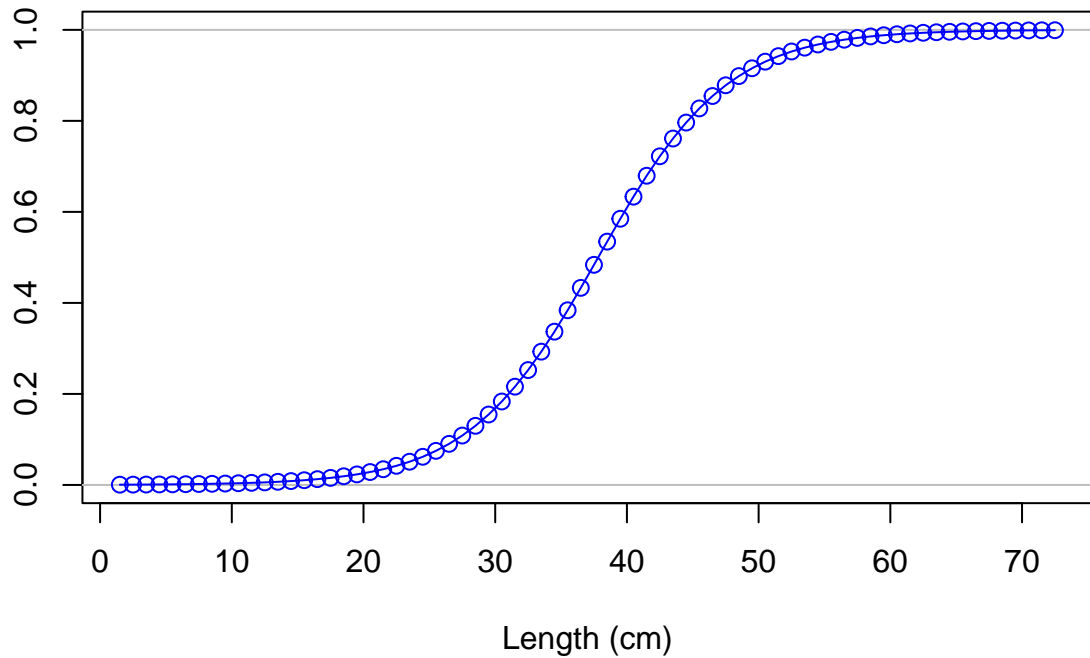
Selectivity

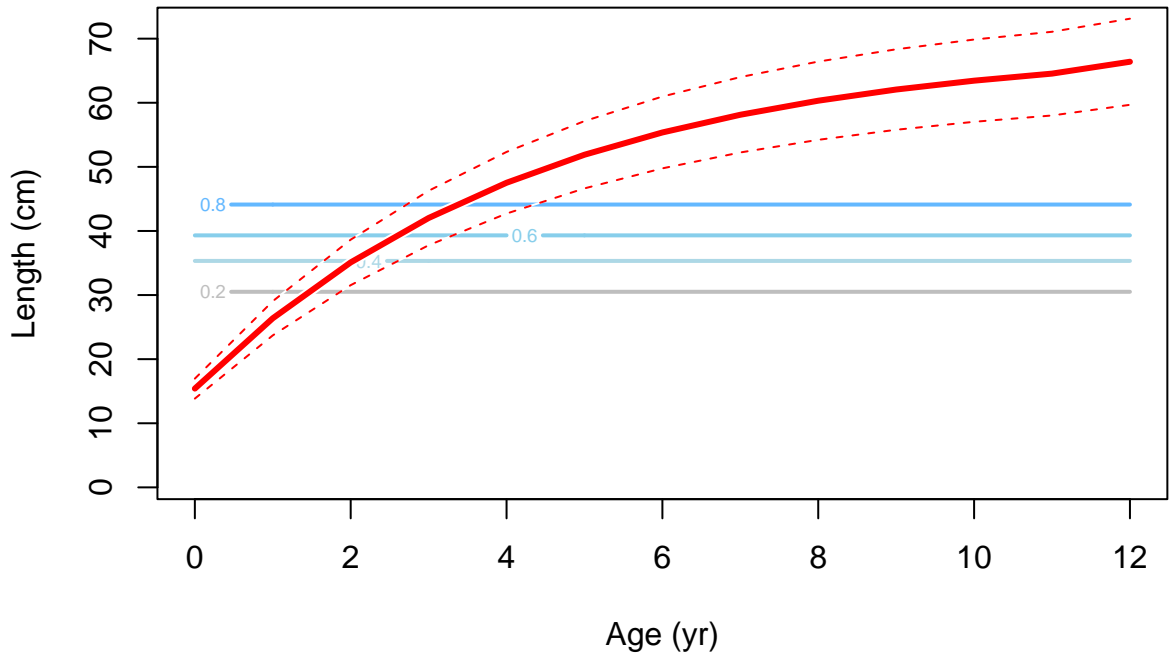


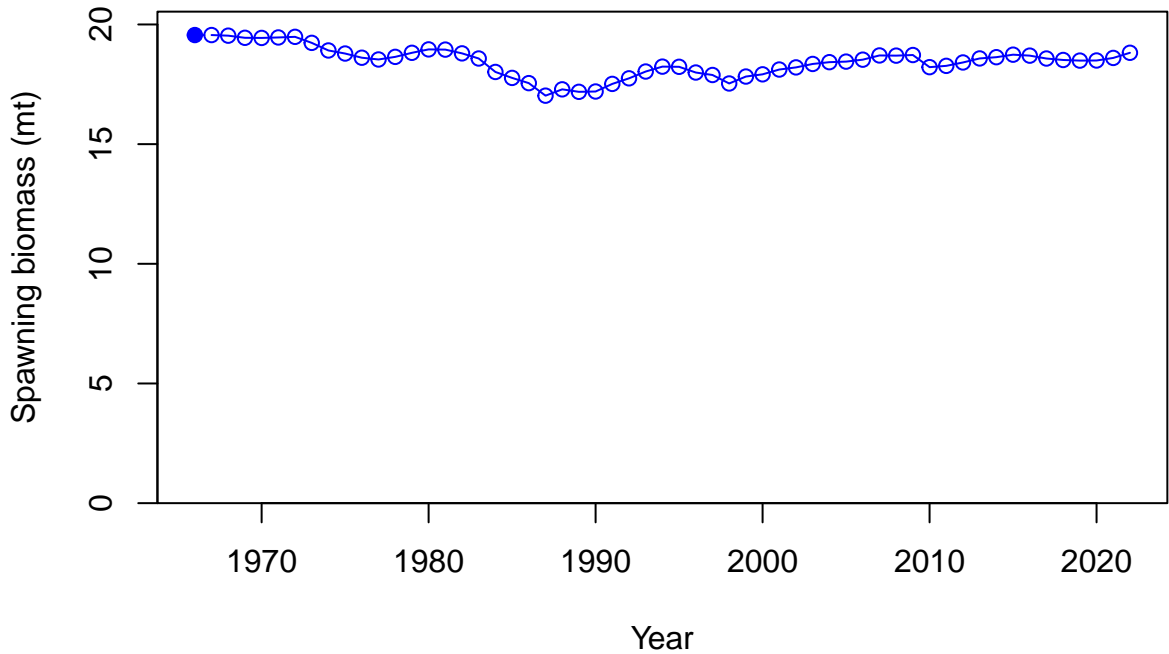
Selectivity

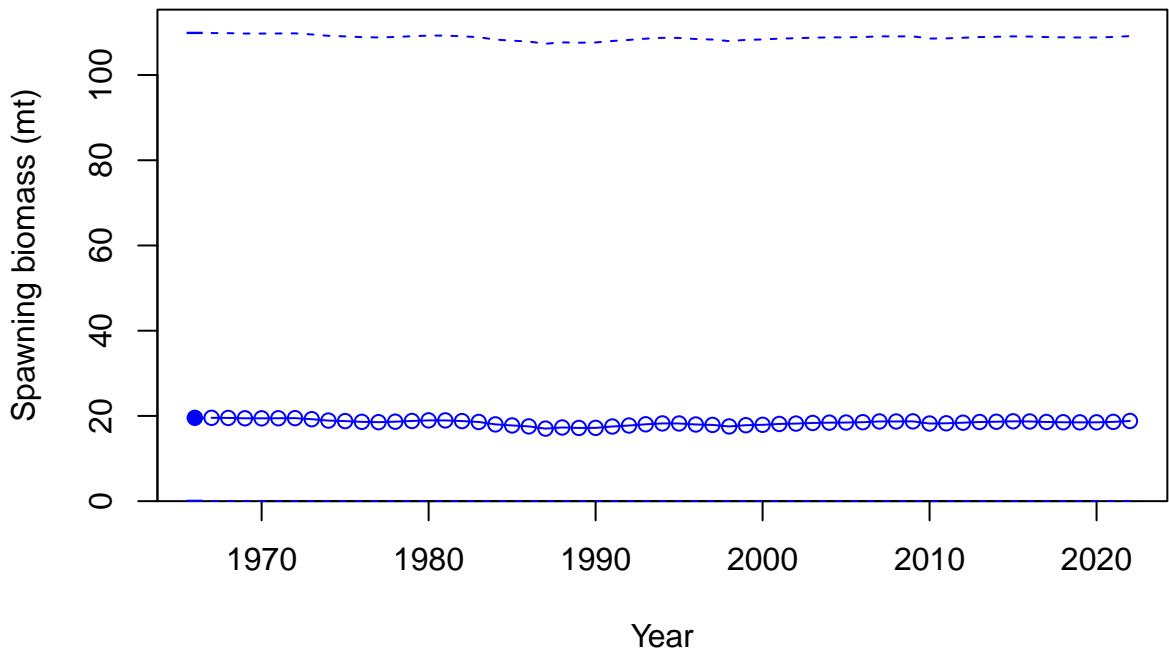


Selectivity

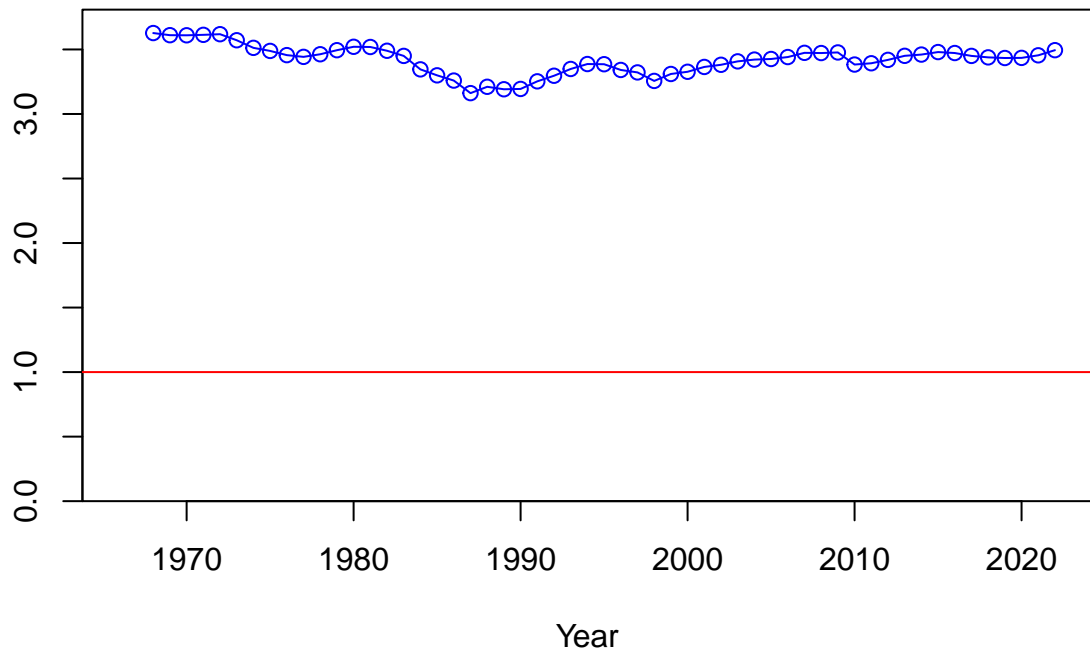






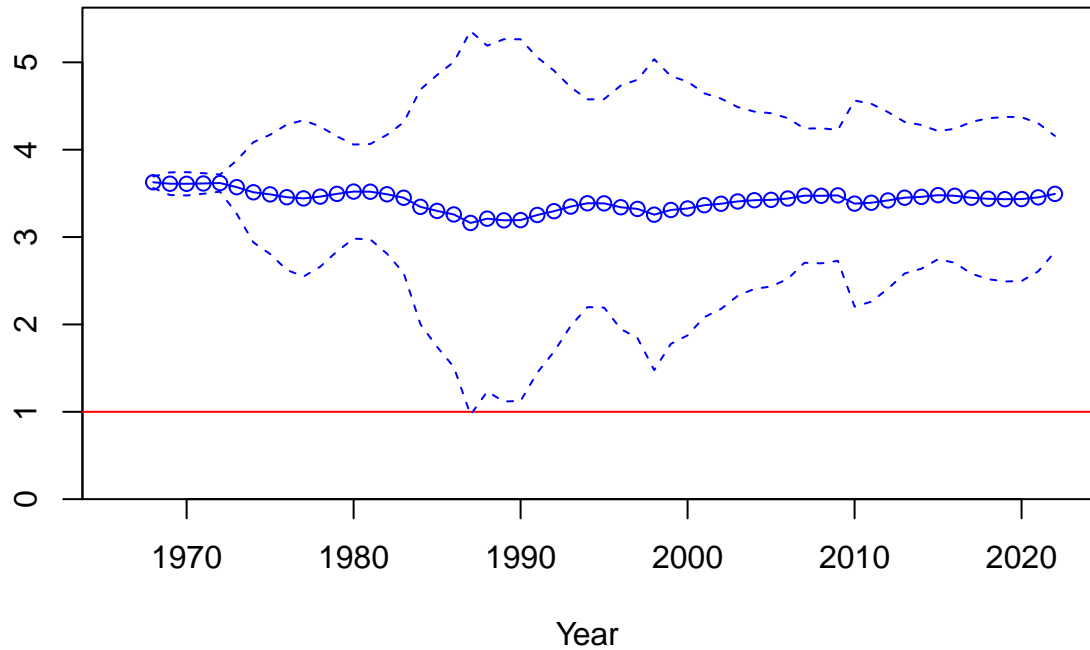


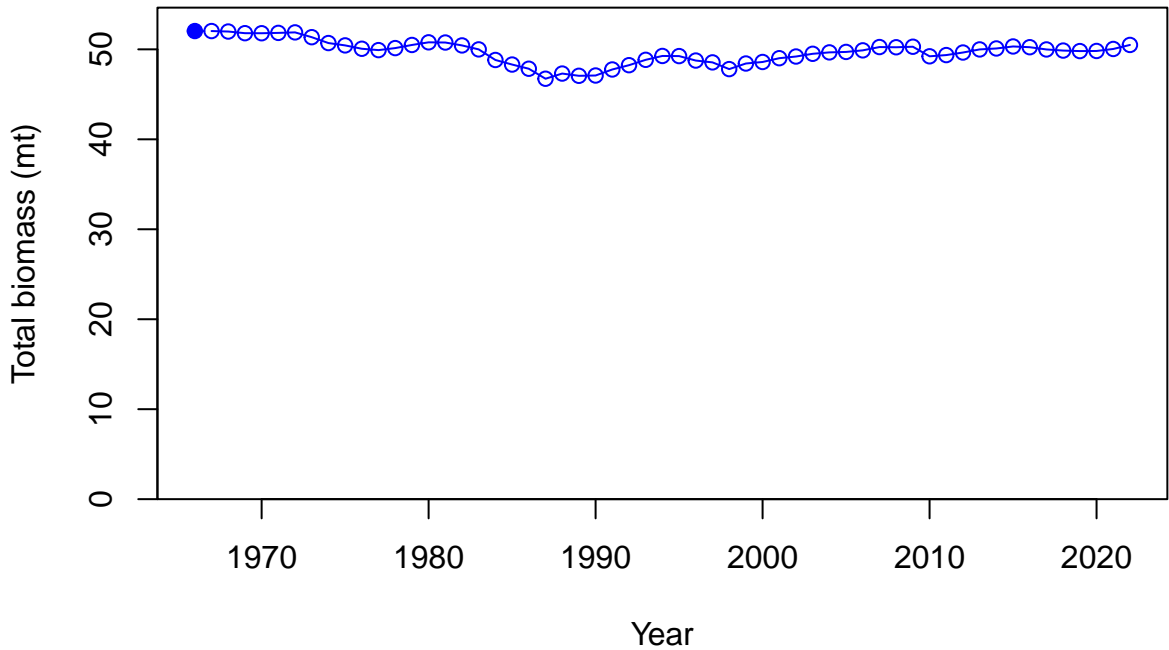
Relative spawning biomass:  $B/B_{MSY}$

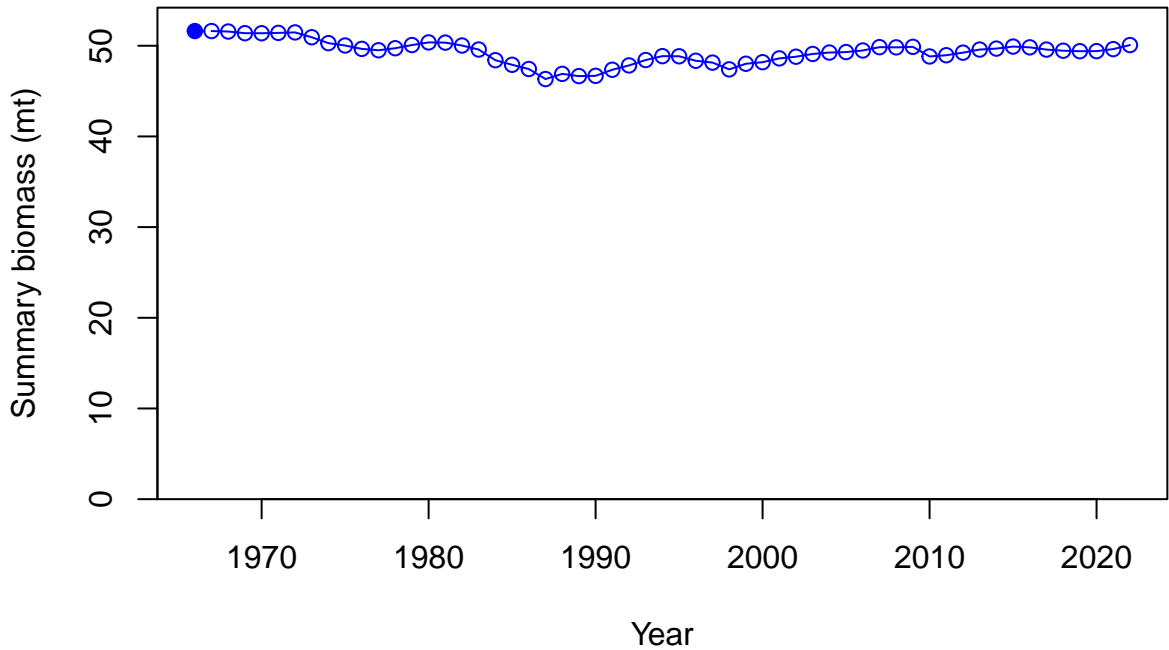




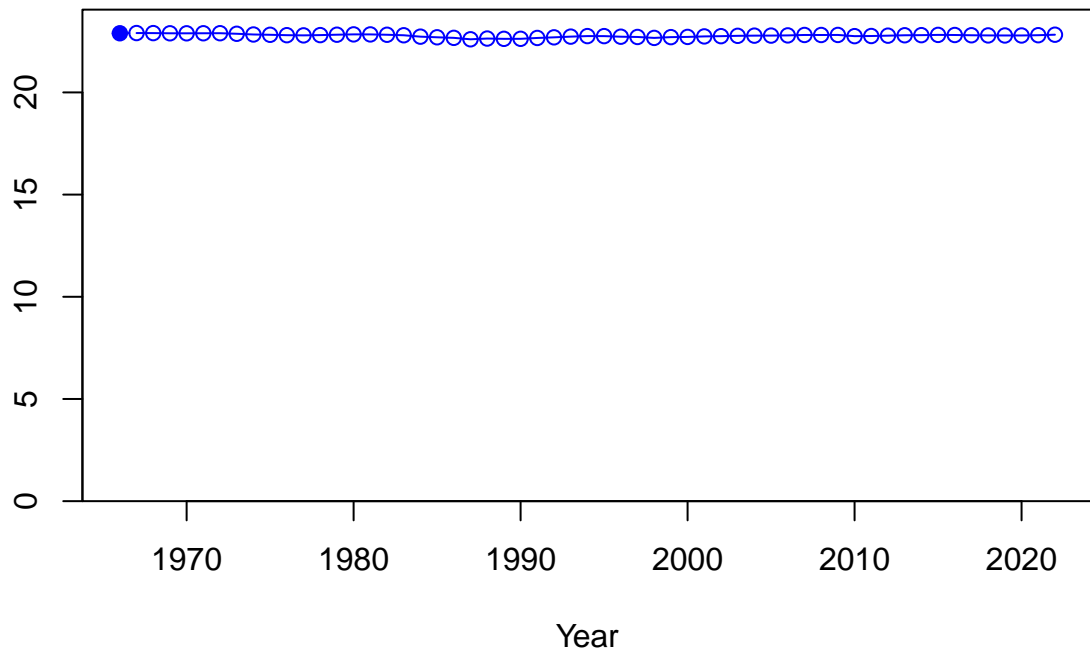
Relative spawning biomass:  $B/B_{MSY}$

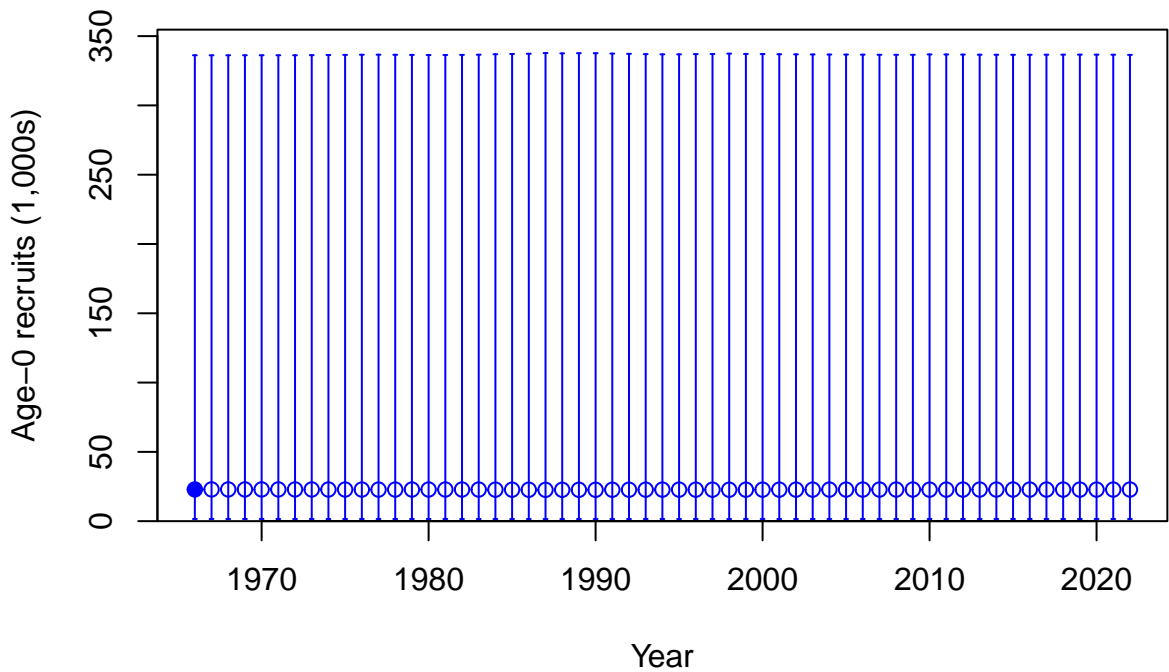




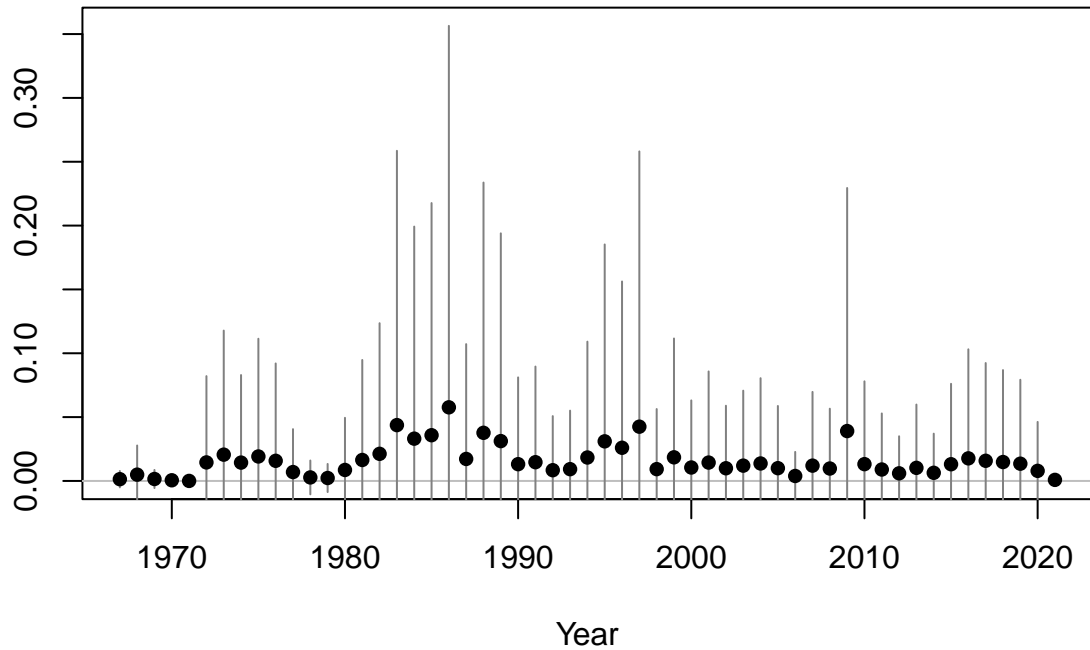


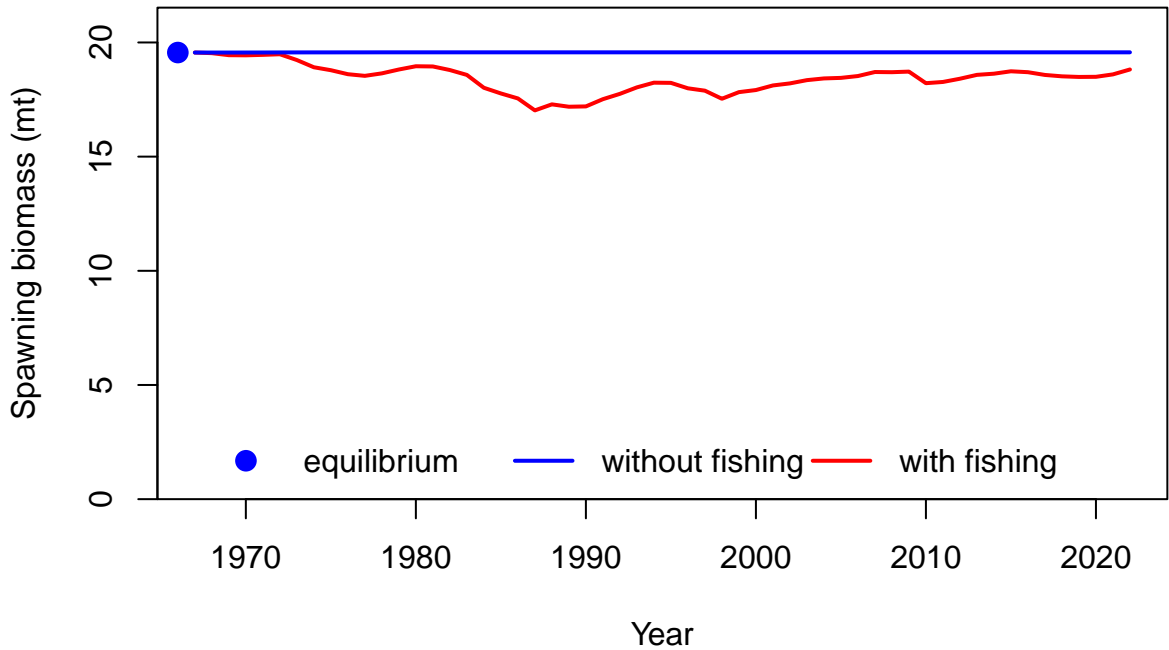
Age-0 recruits (1,000s)



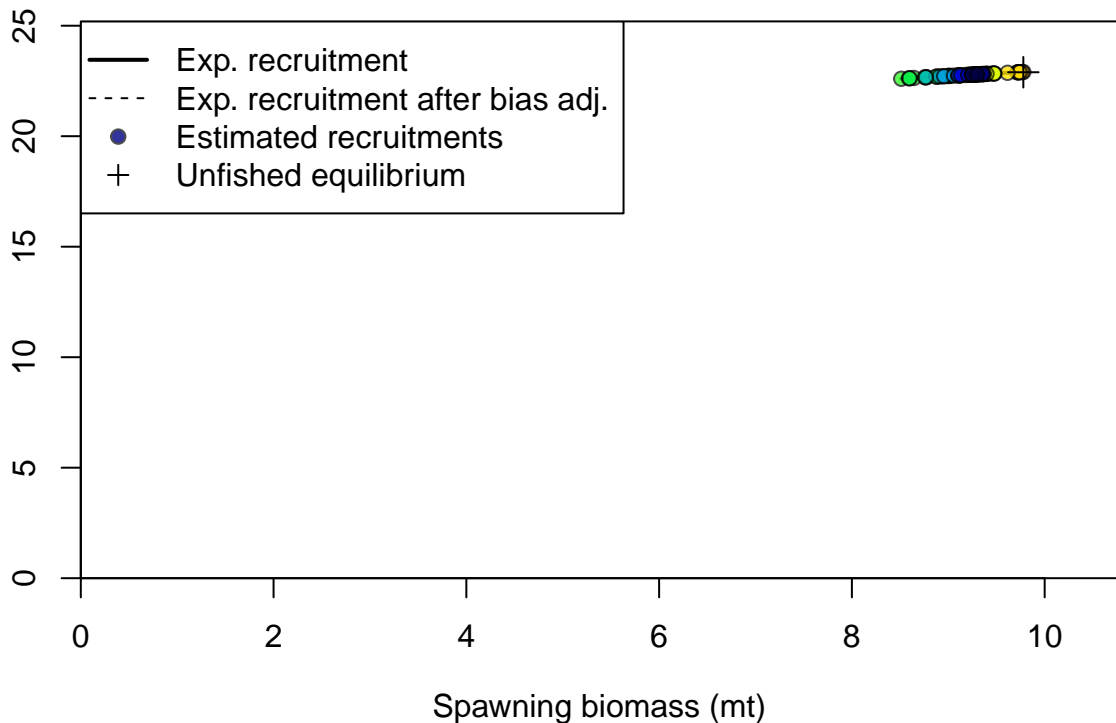


Summary Fishing Mortality



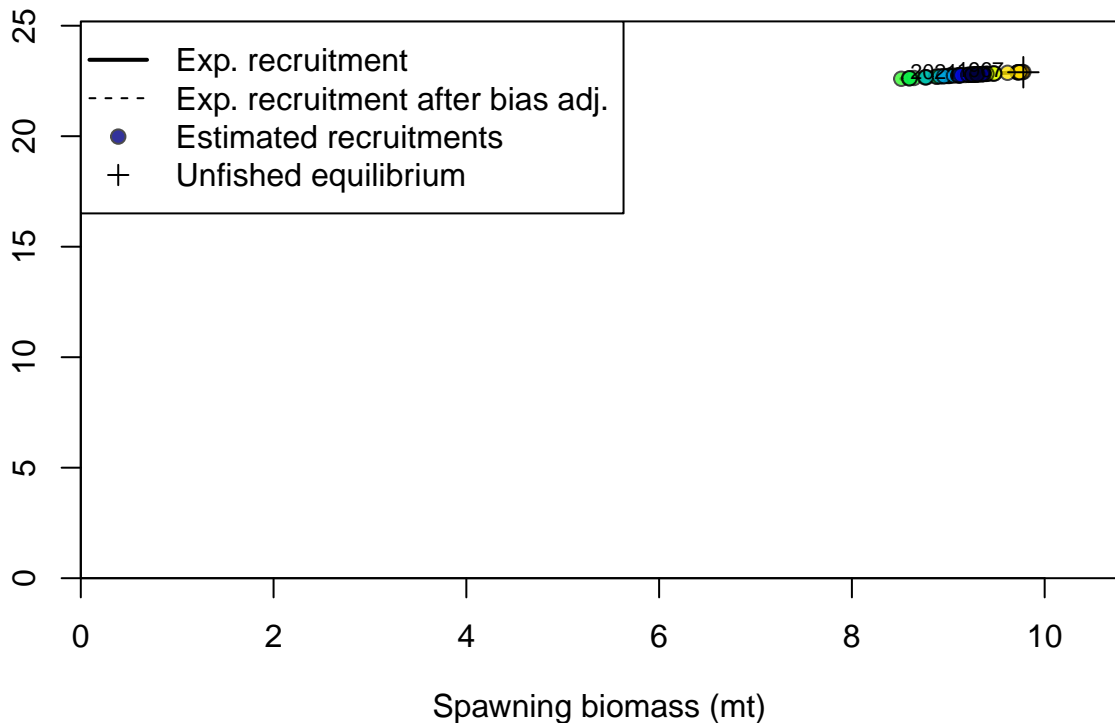


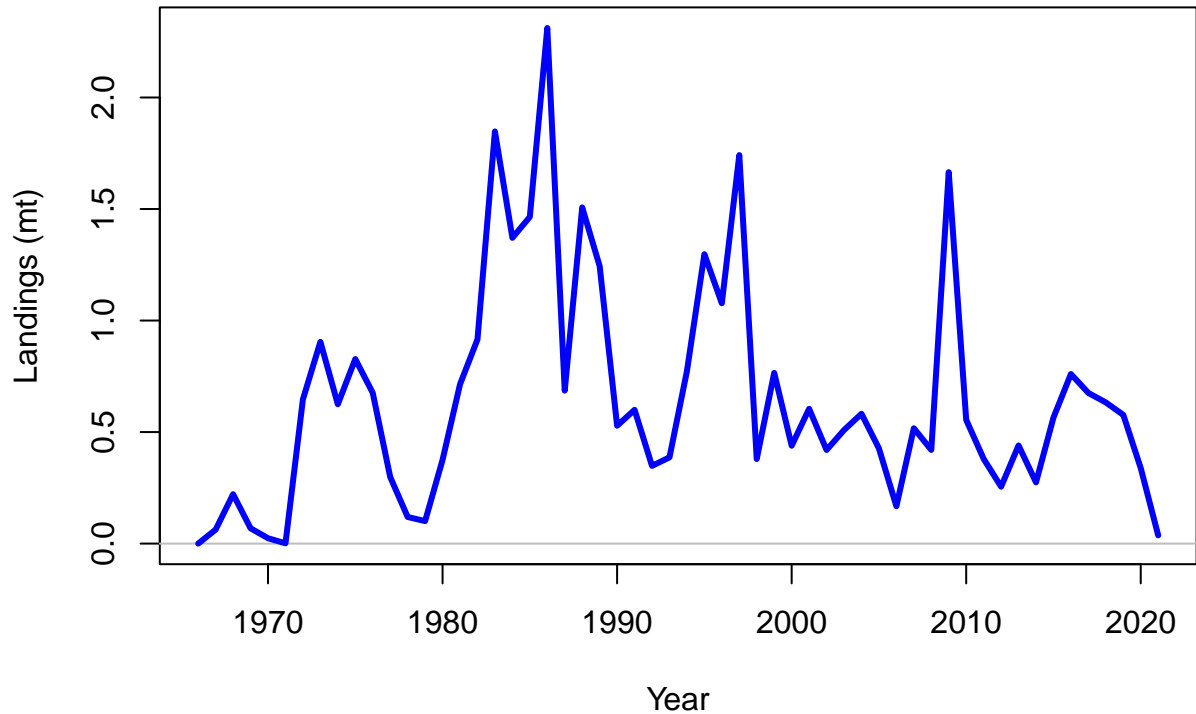
Recruitment (1,000s)

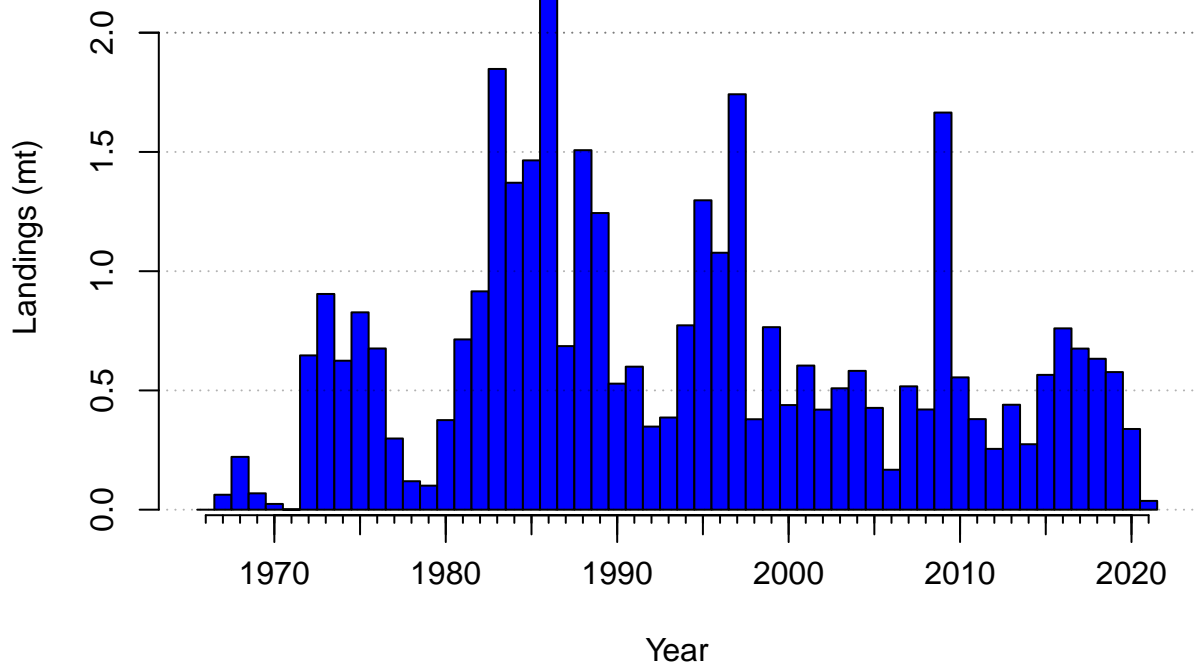


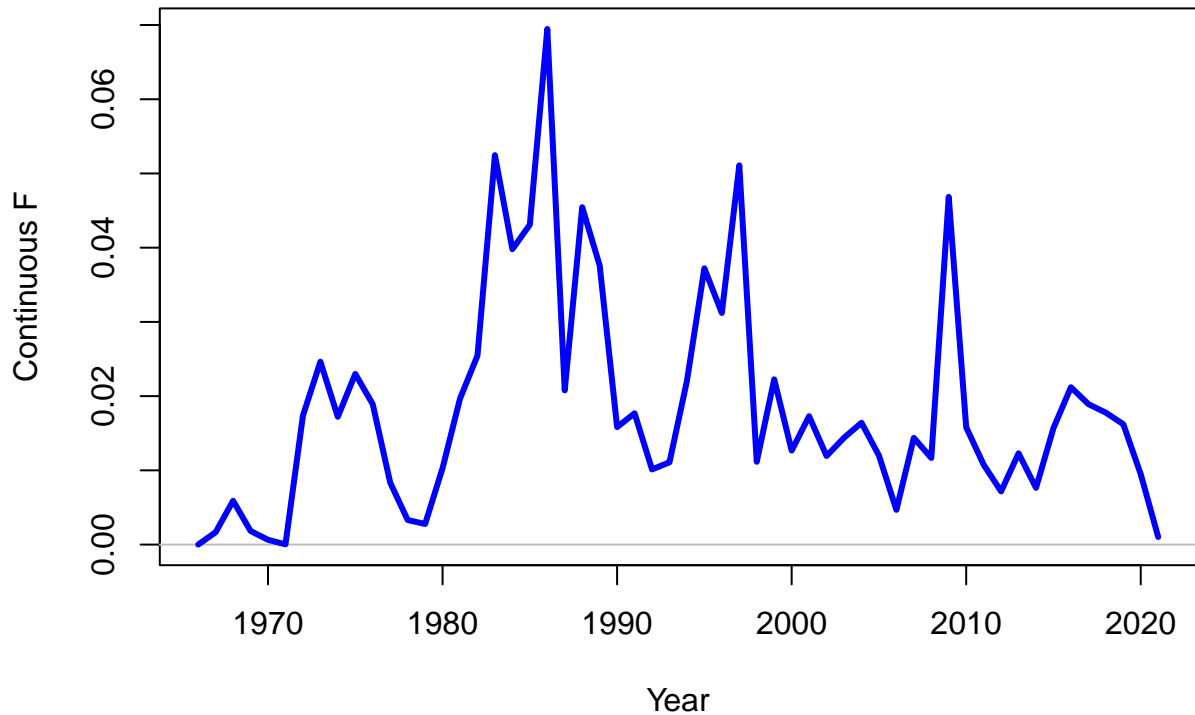


Recruitment (1,000s)

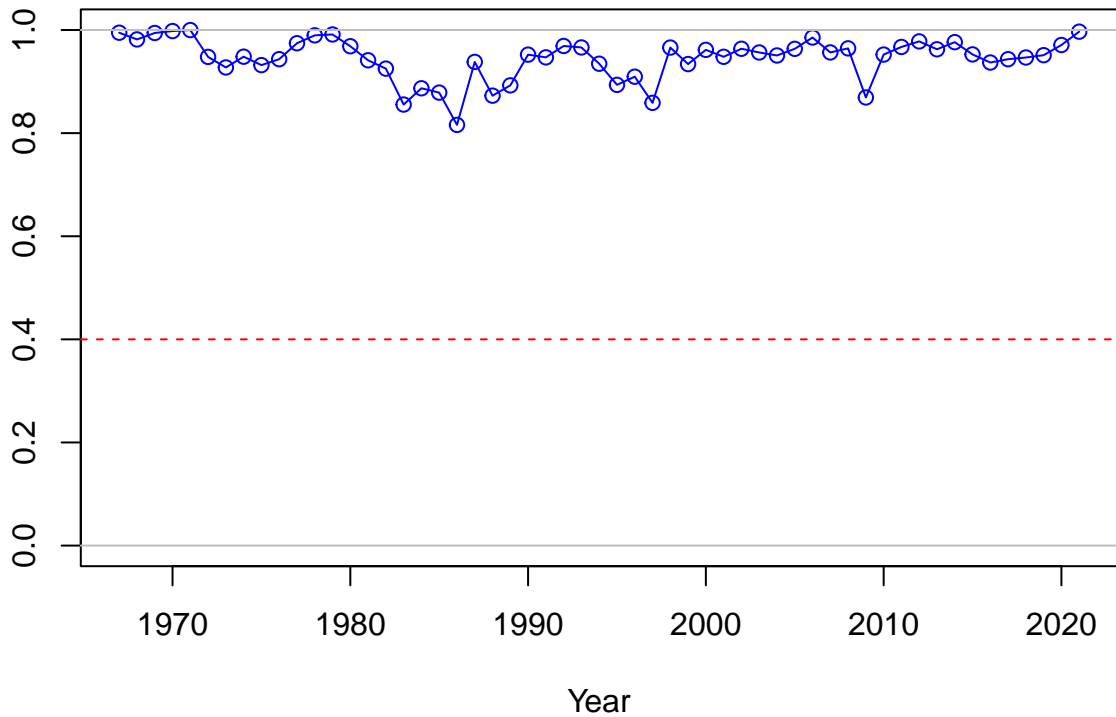




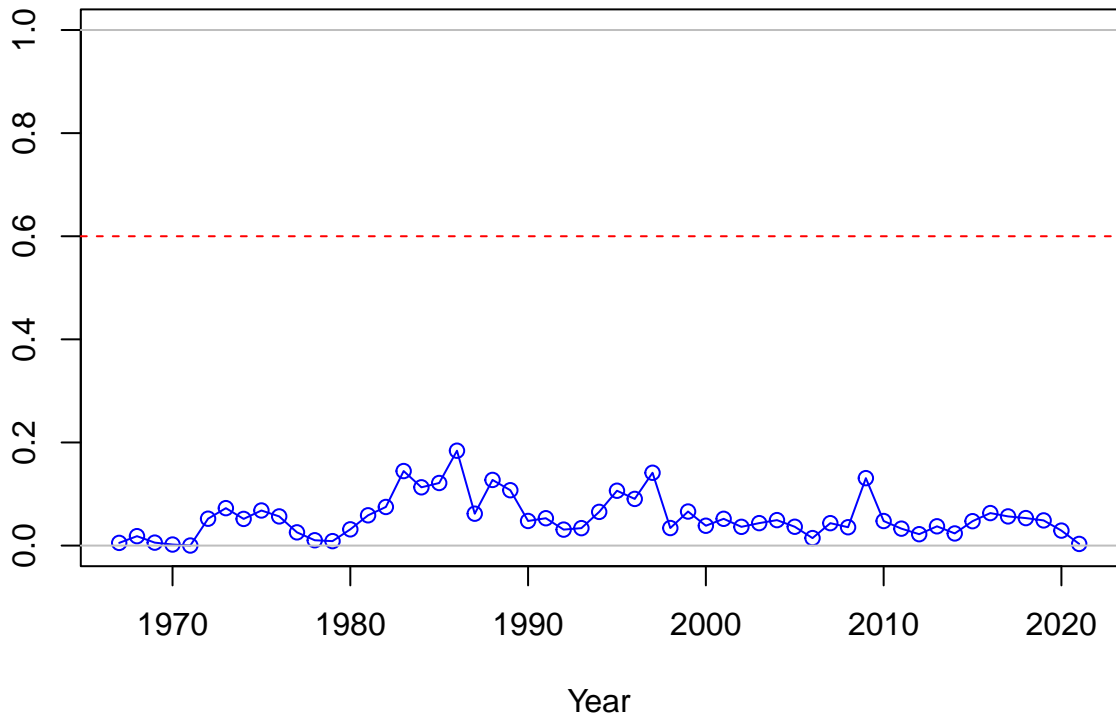




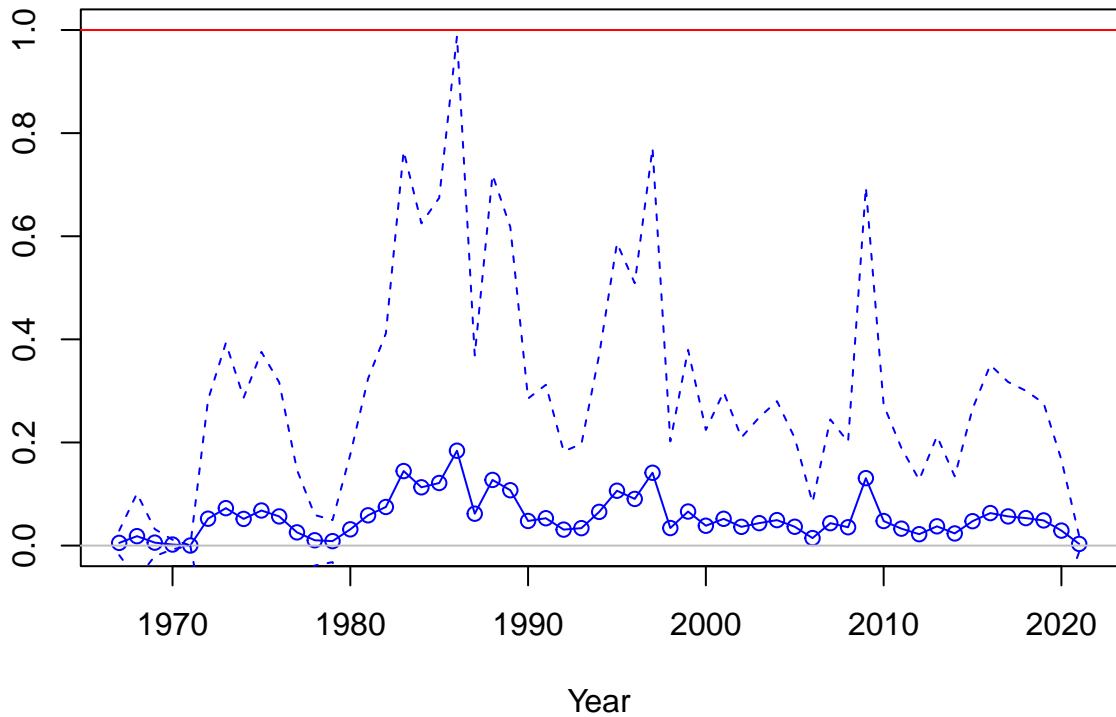
SPR



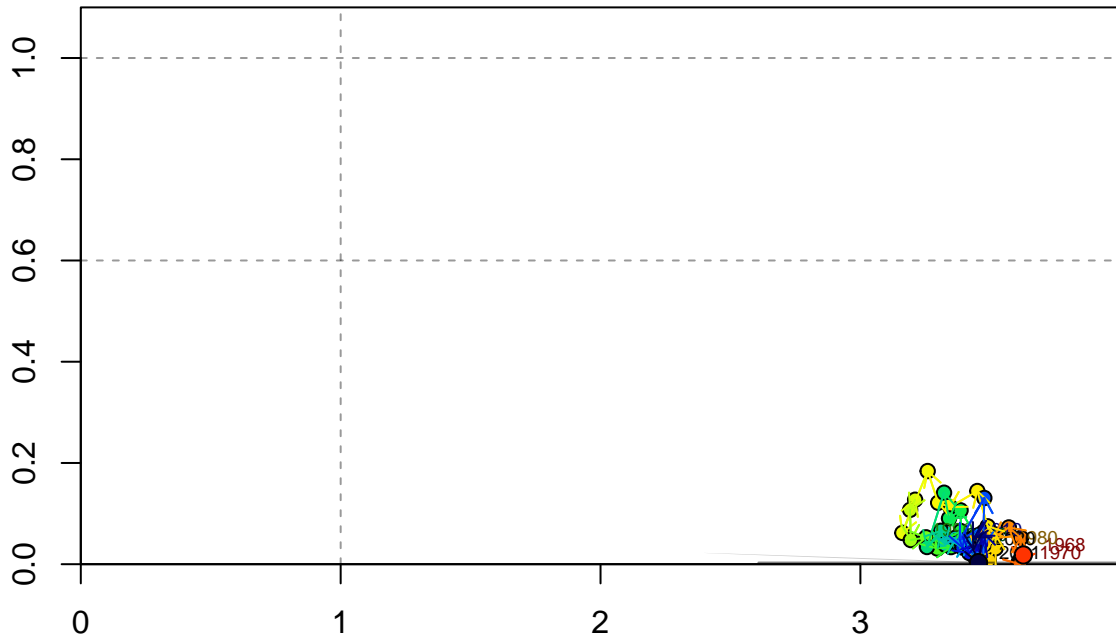
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR



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



Index

30  
20  
10  
0

1990

1995

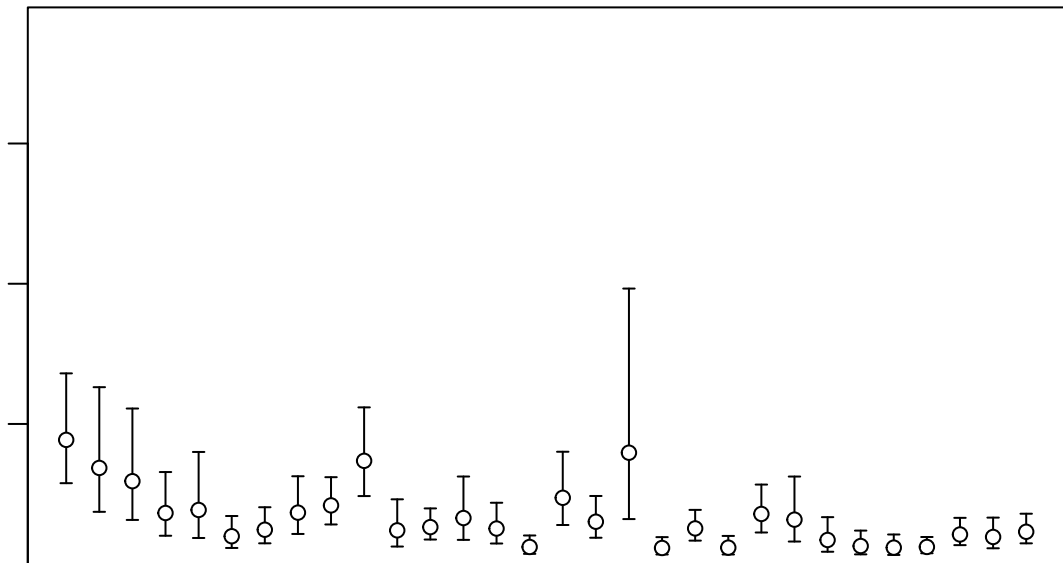
2000

2005

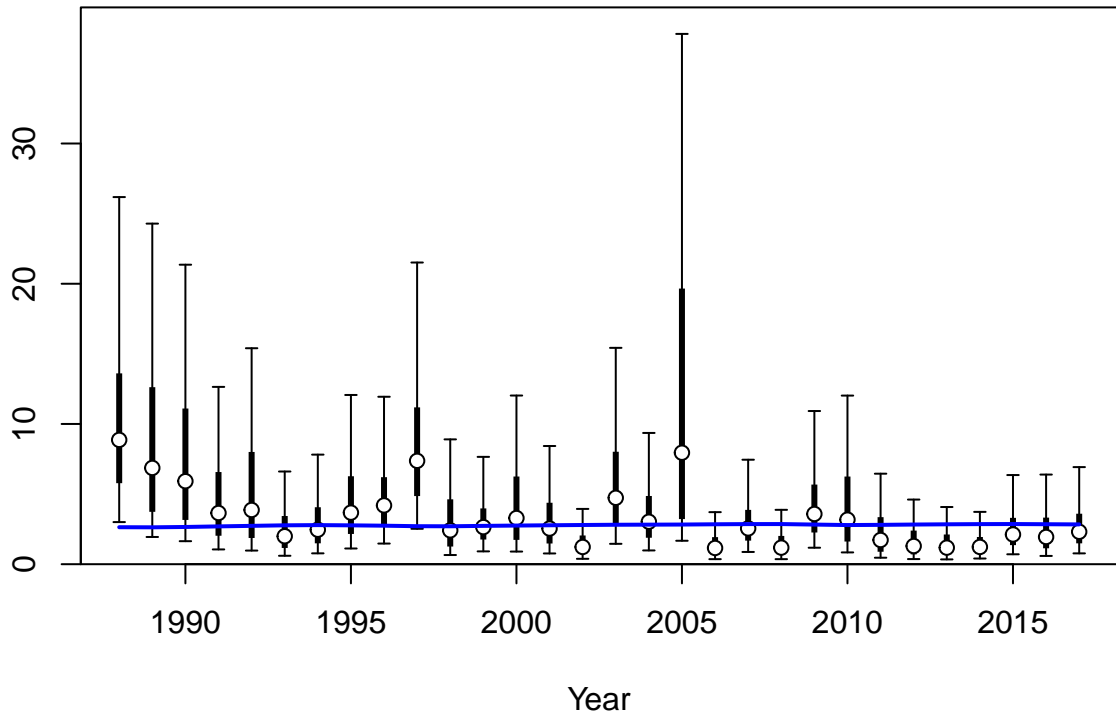
2010

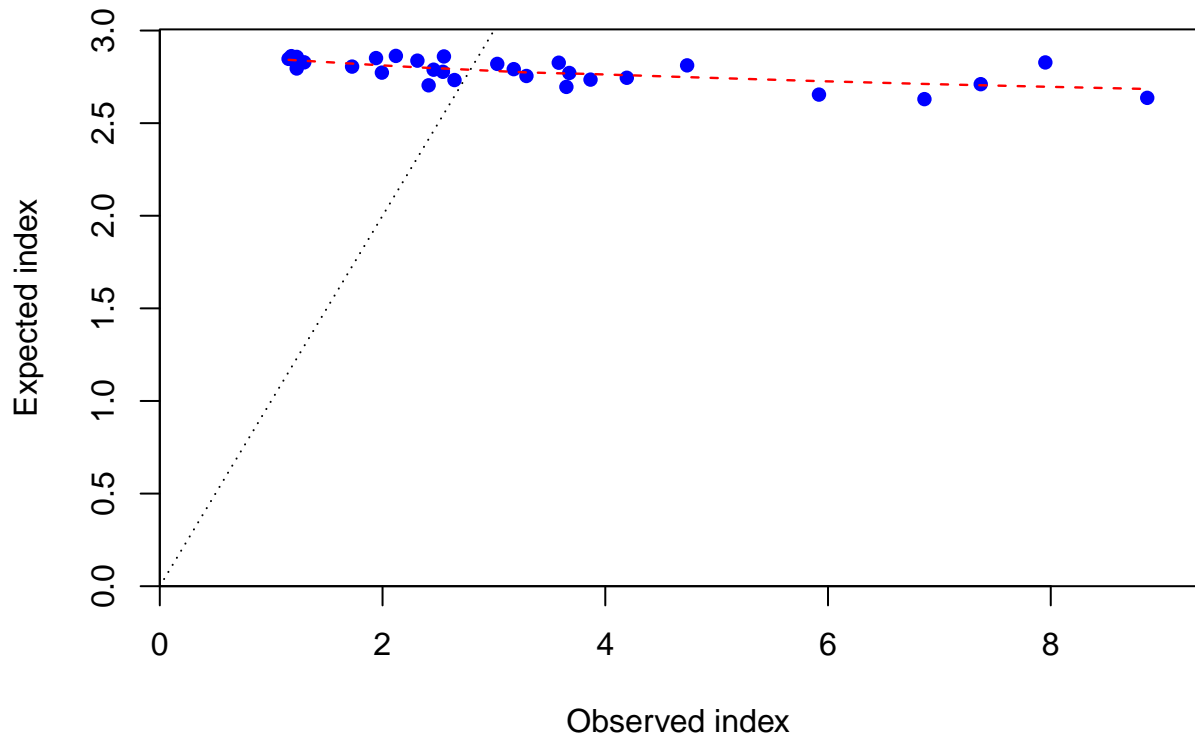
2015

Year



Index





Log index

3  
2  
1  
0  
-1

1990

1995

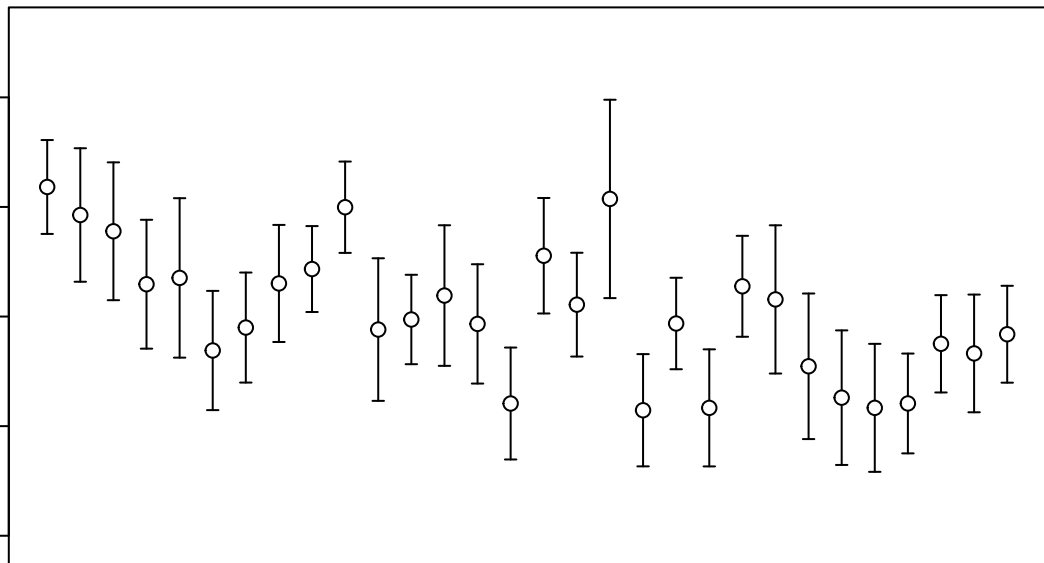
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2005

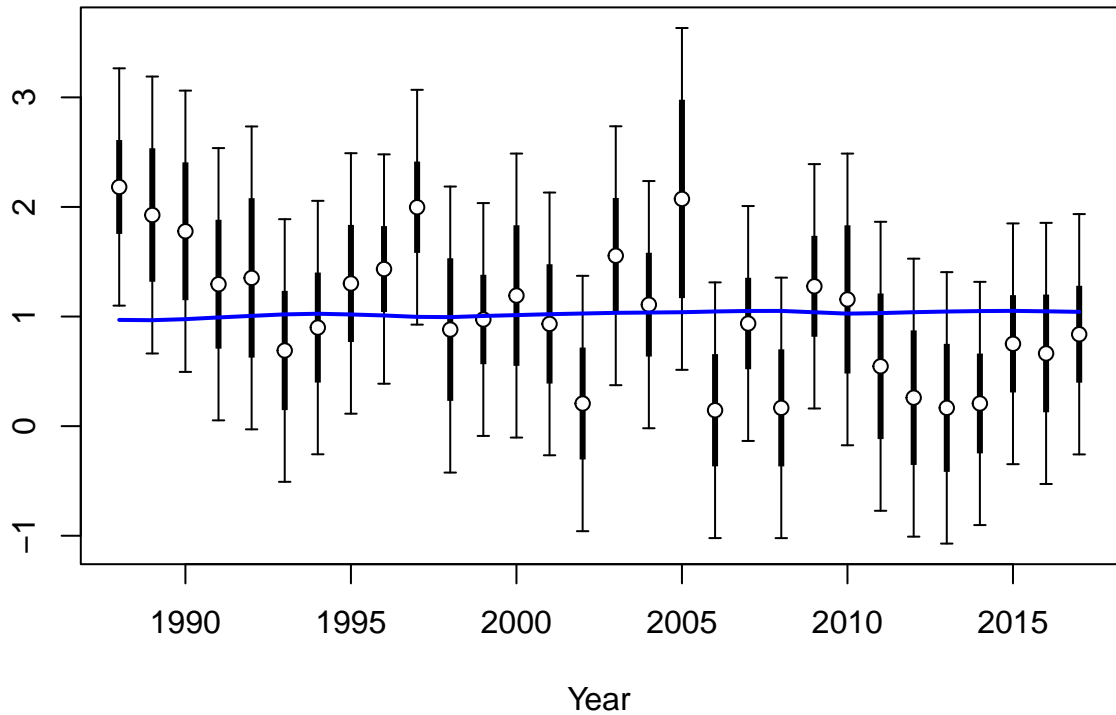
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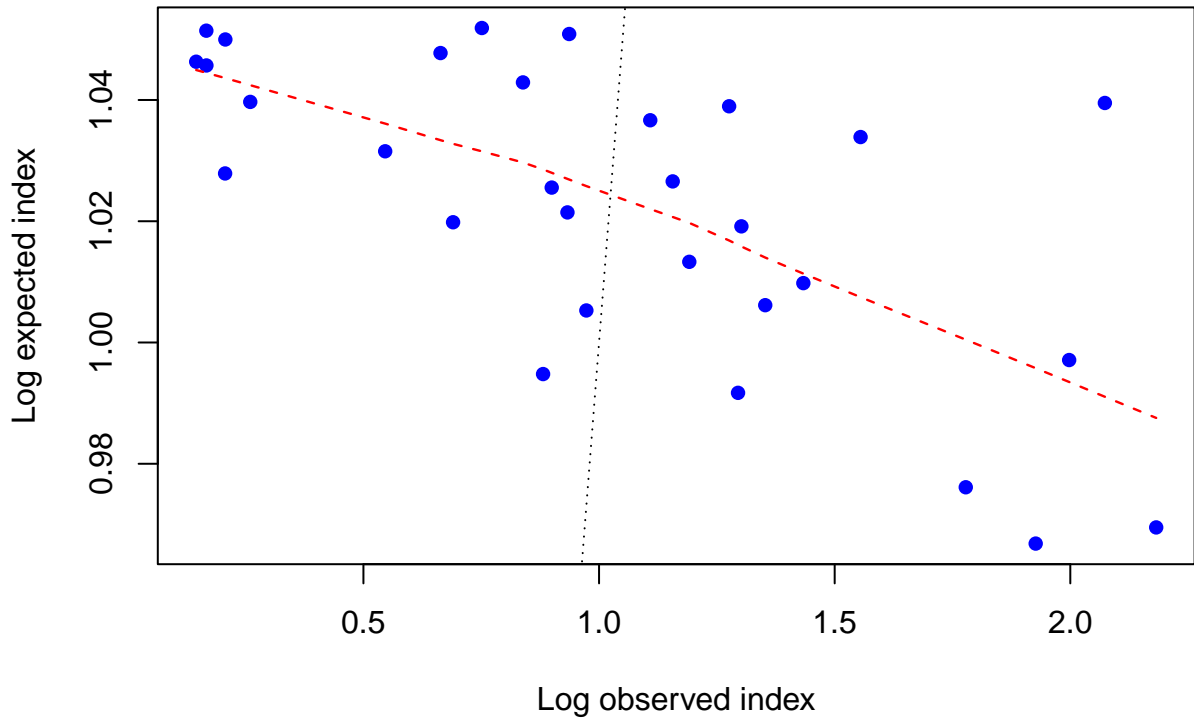
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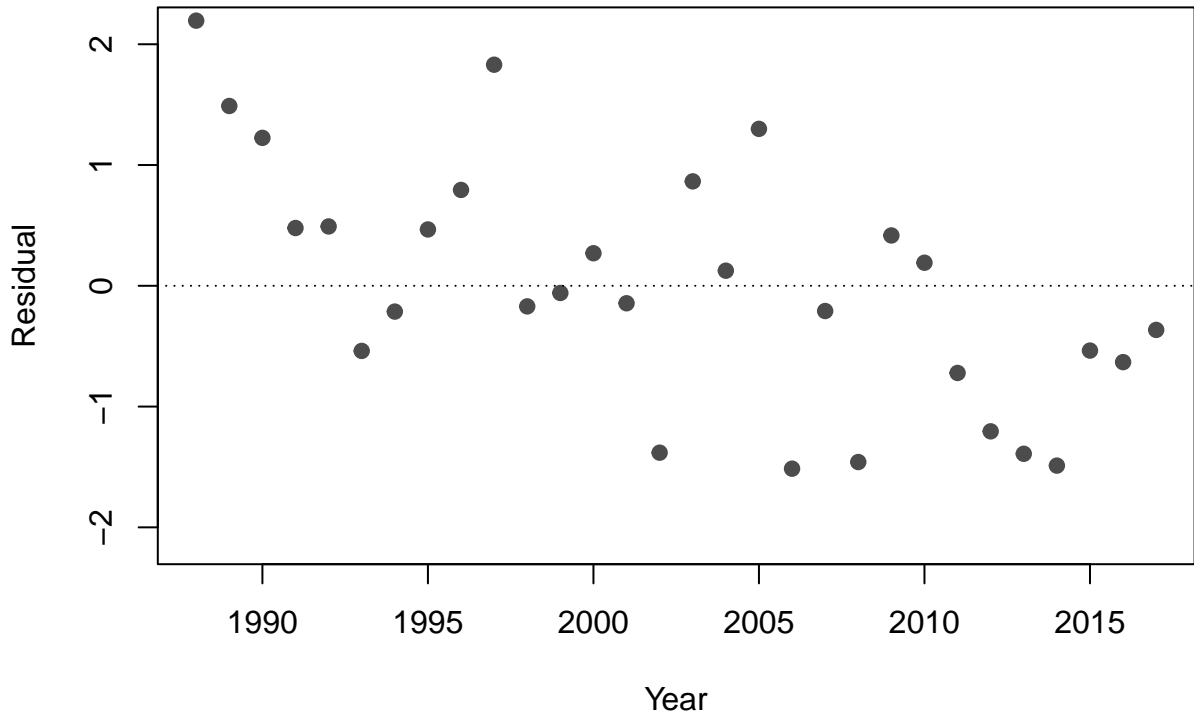
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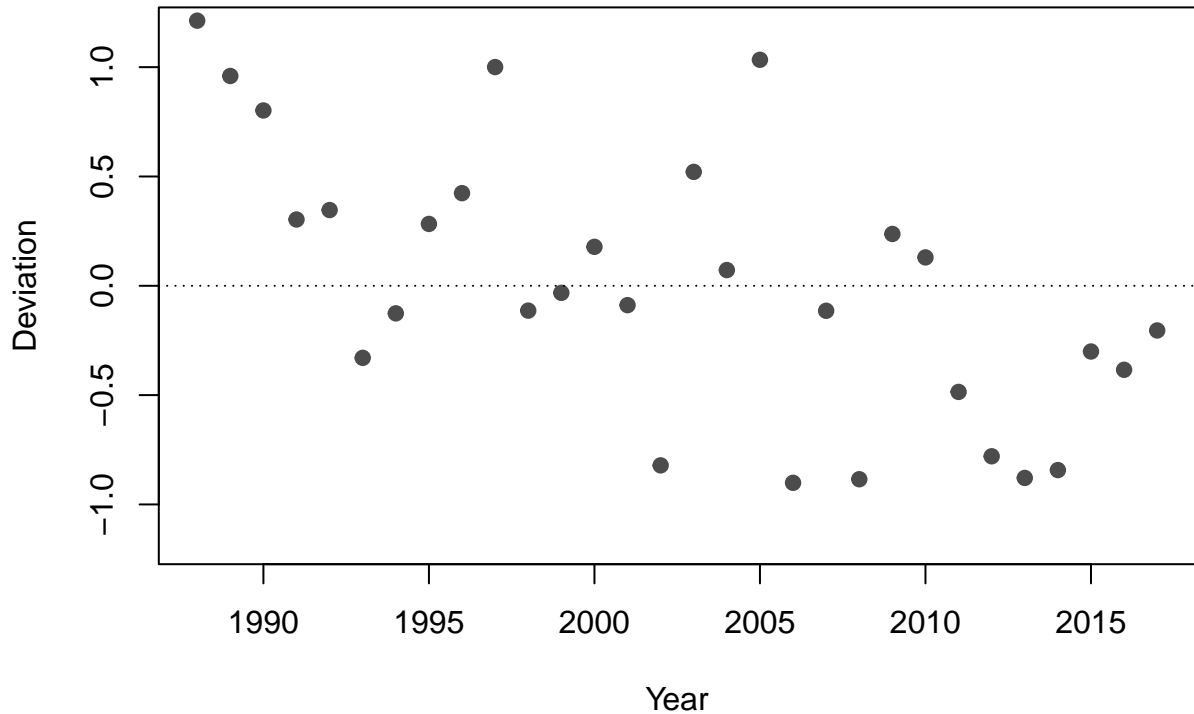


Log index

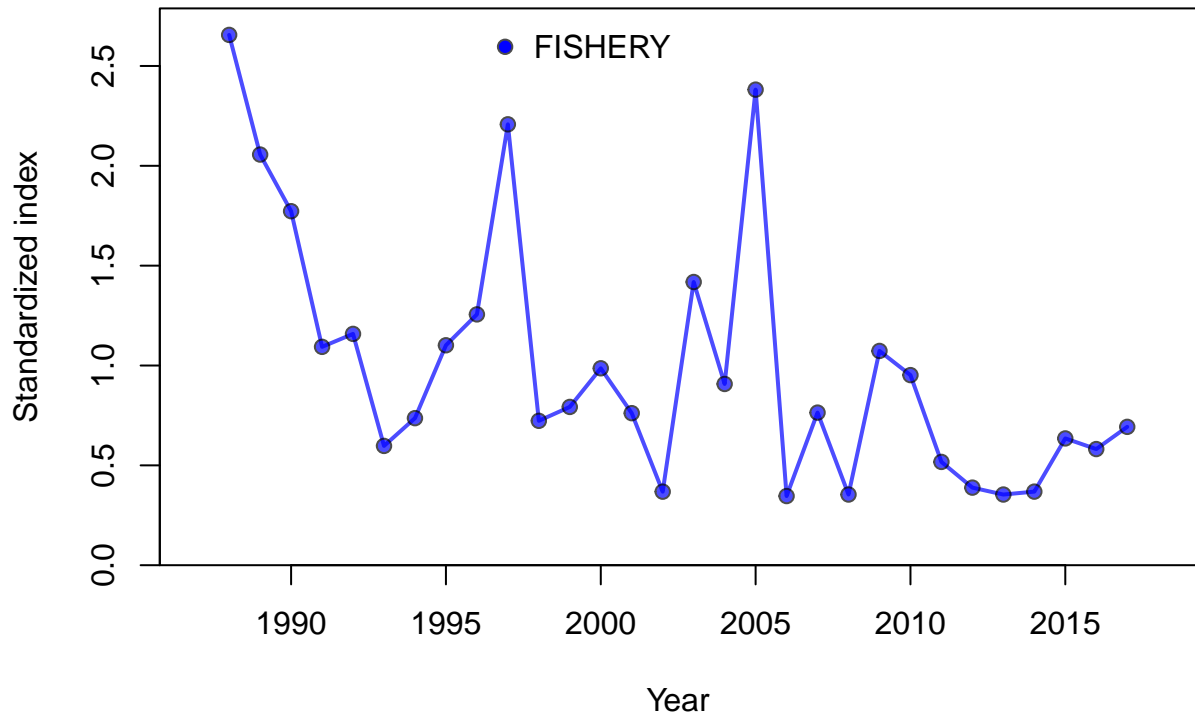




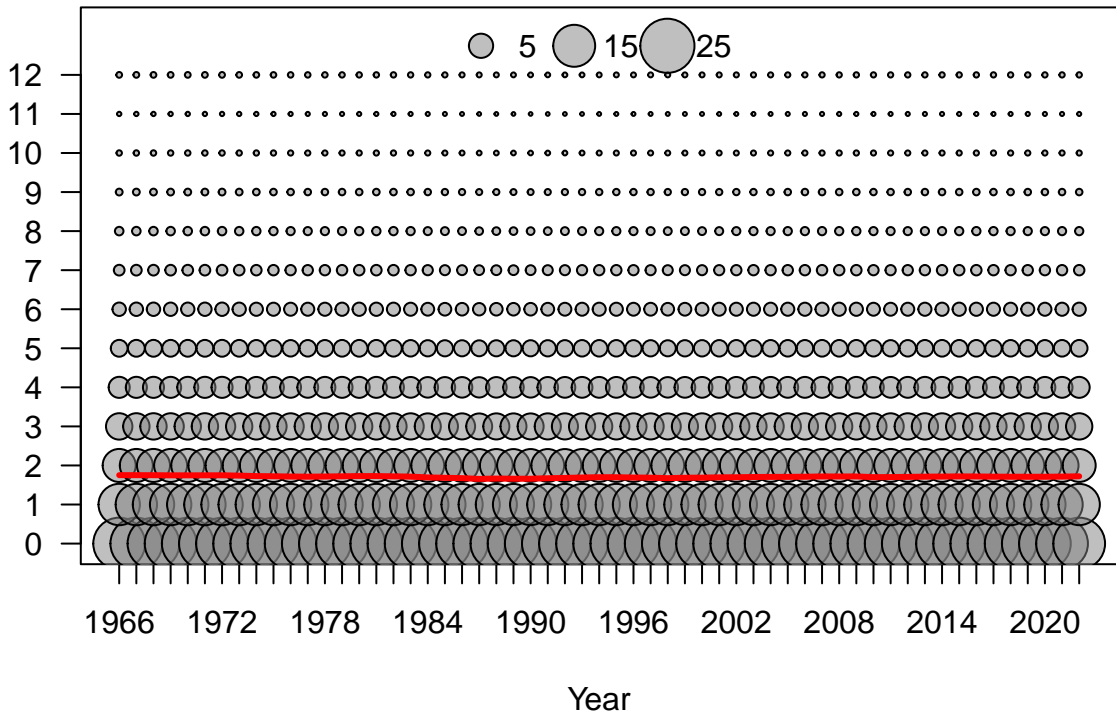




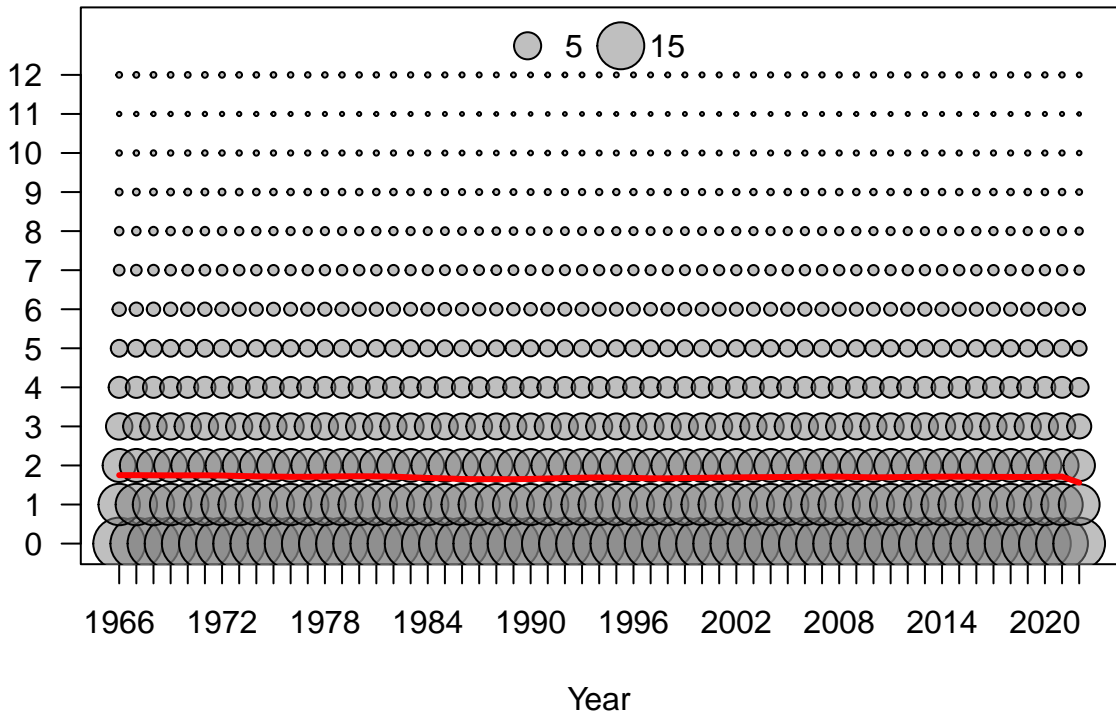


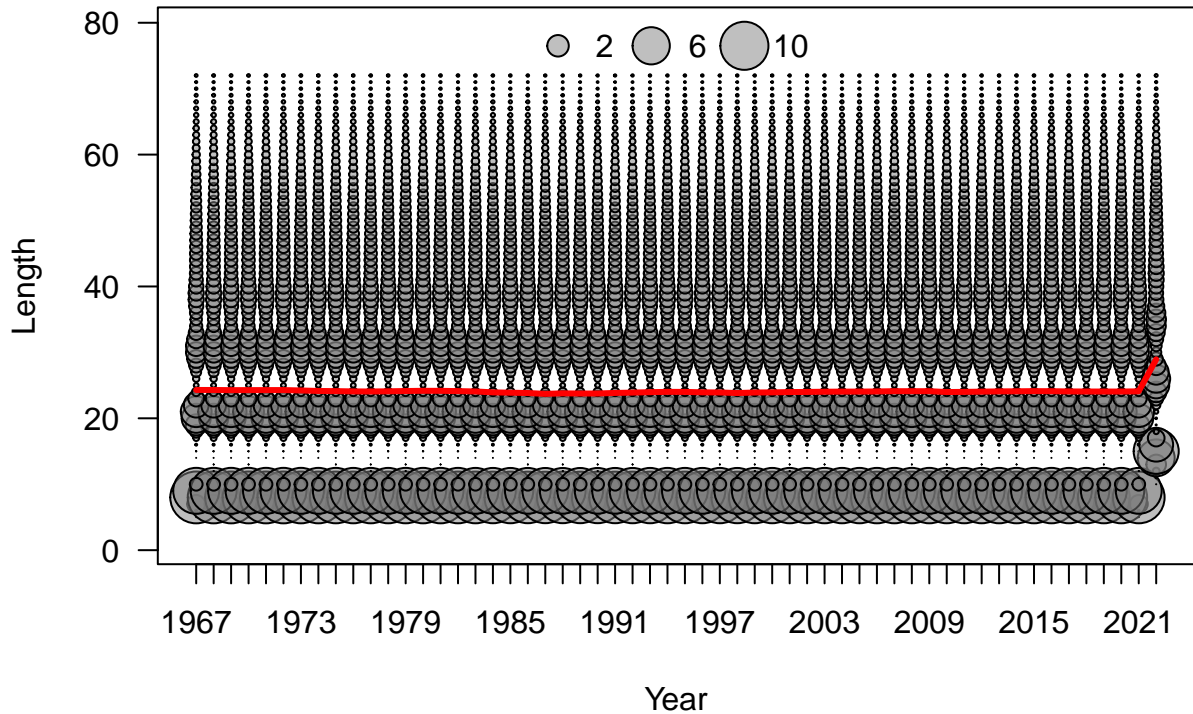


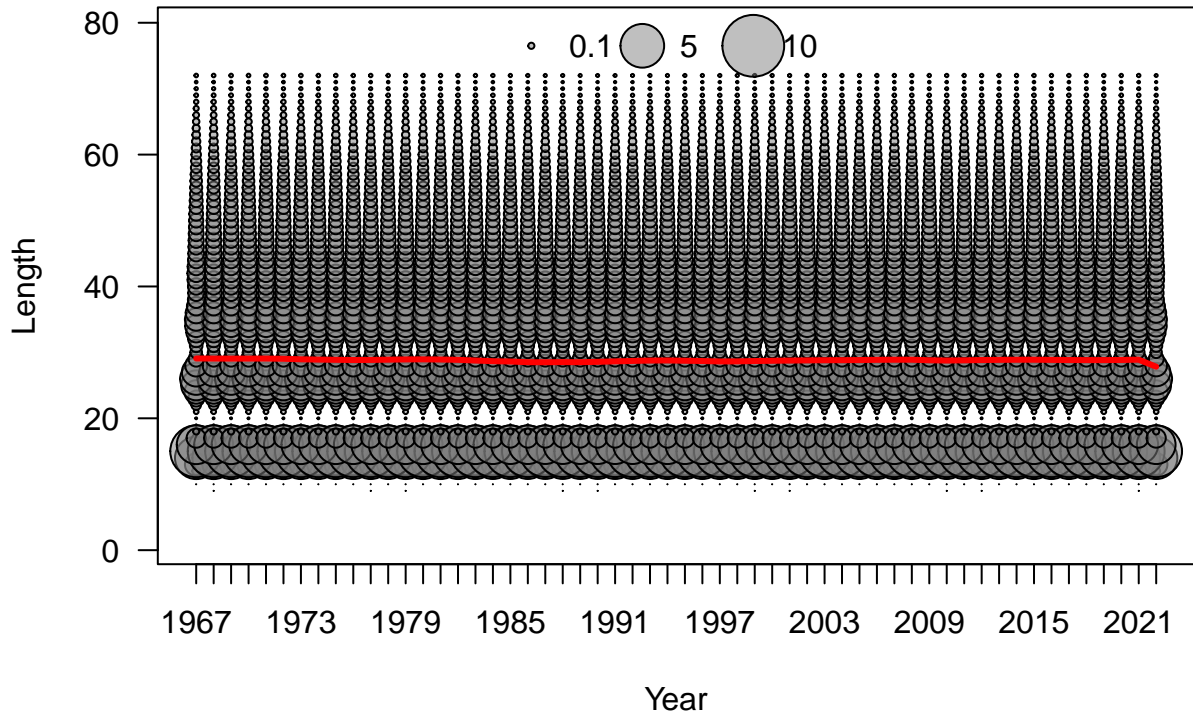
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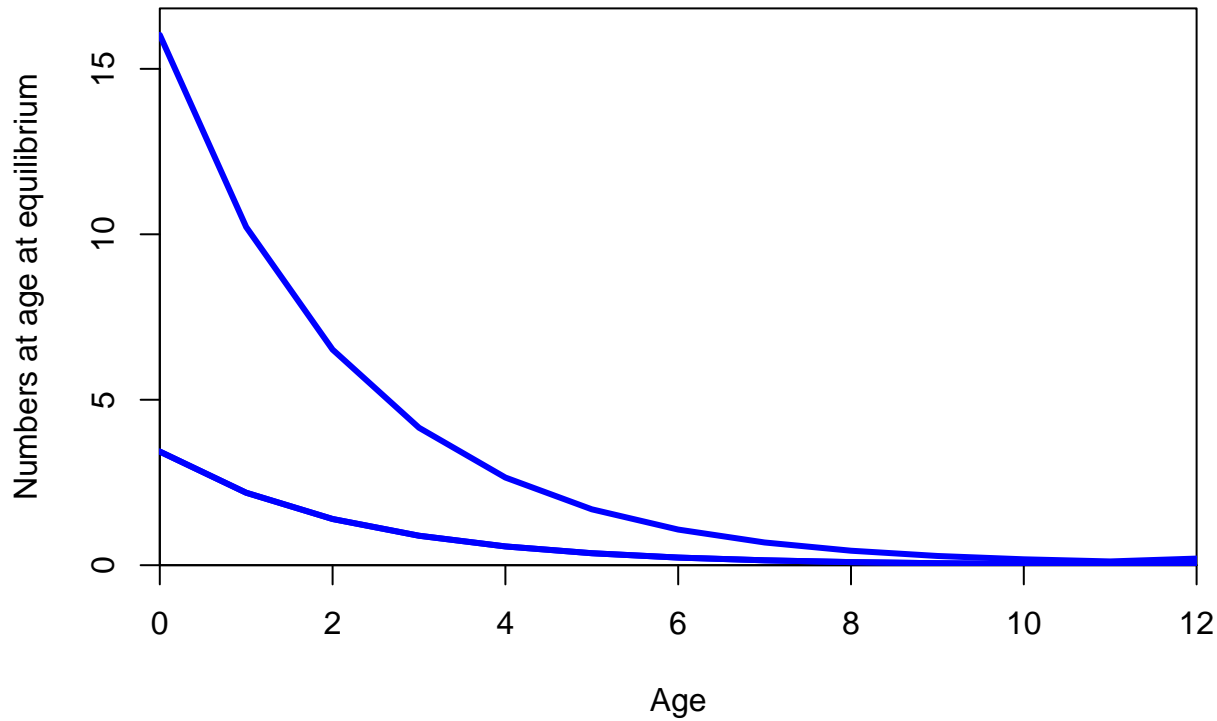


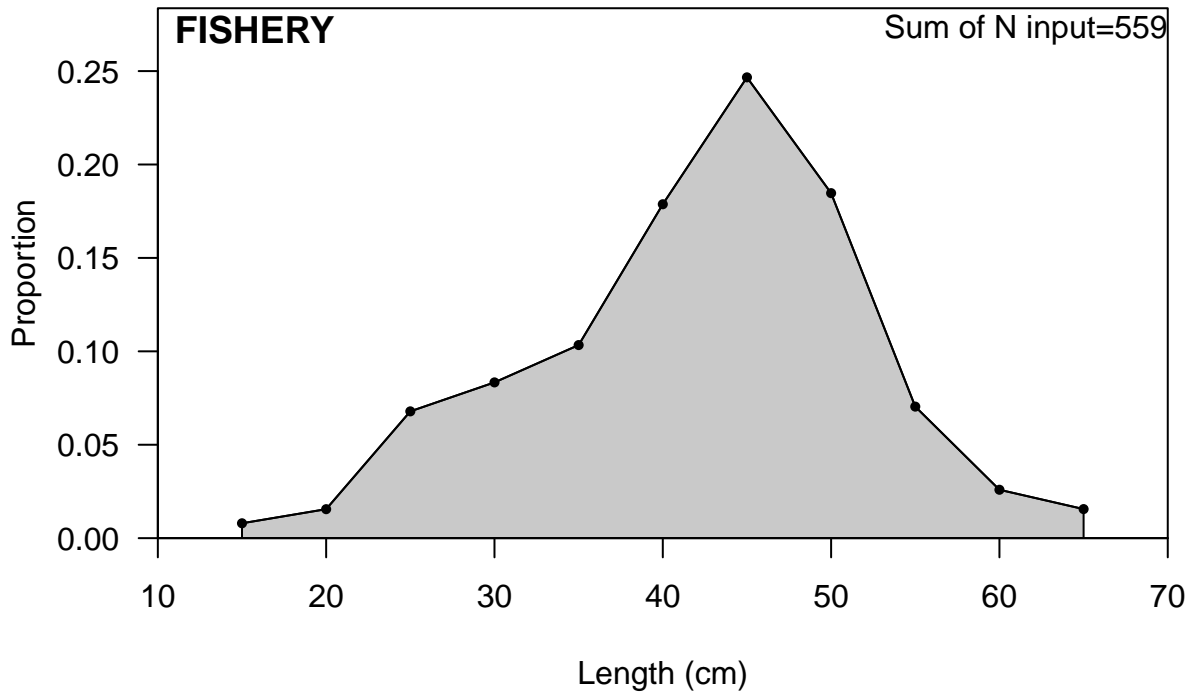
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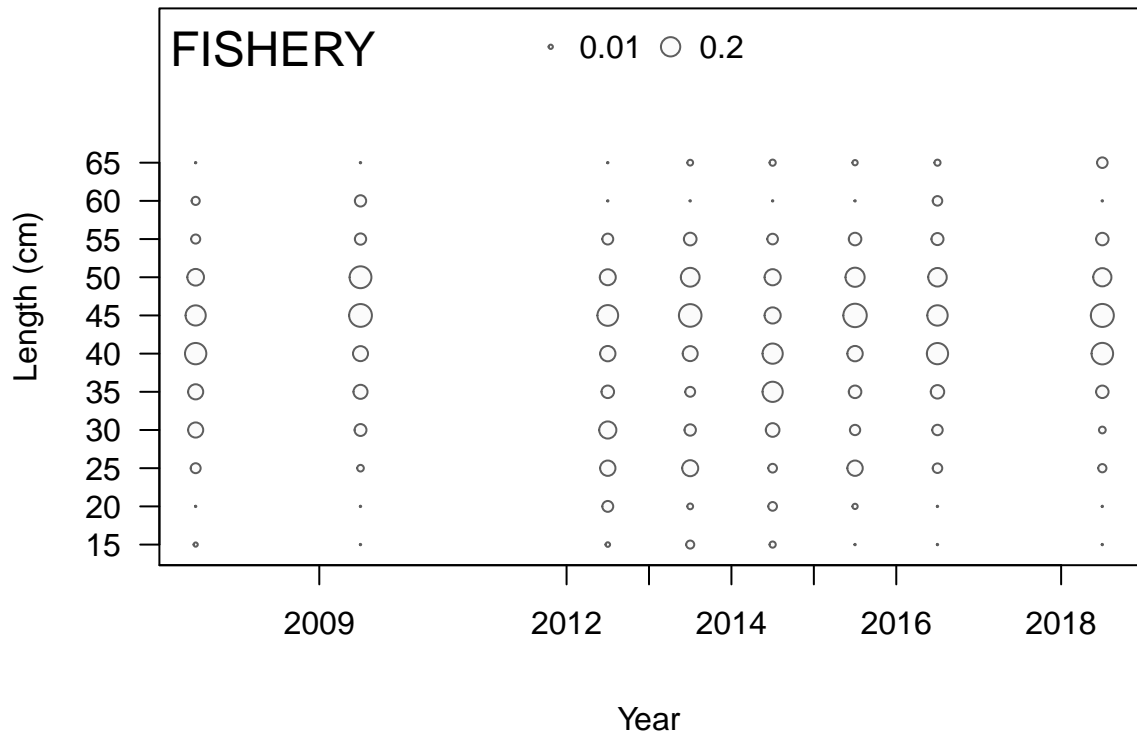






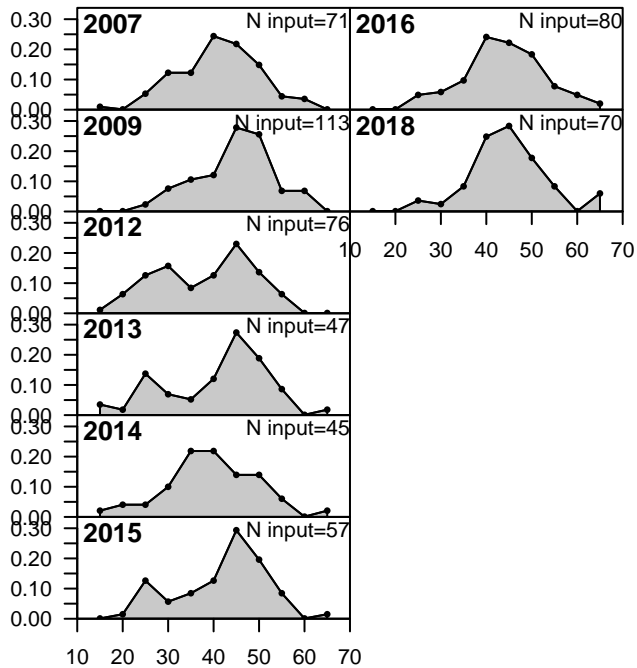




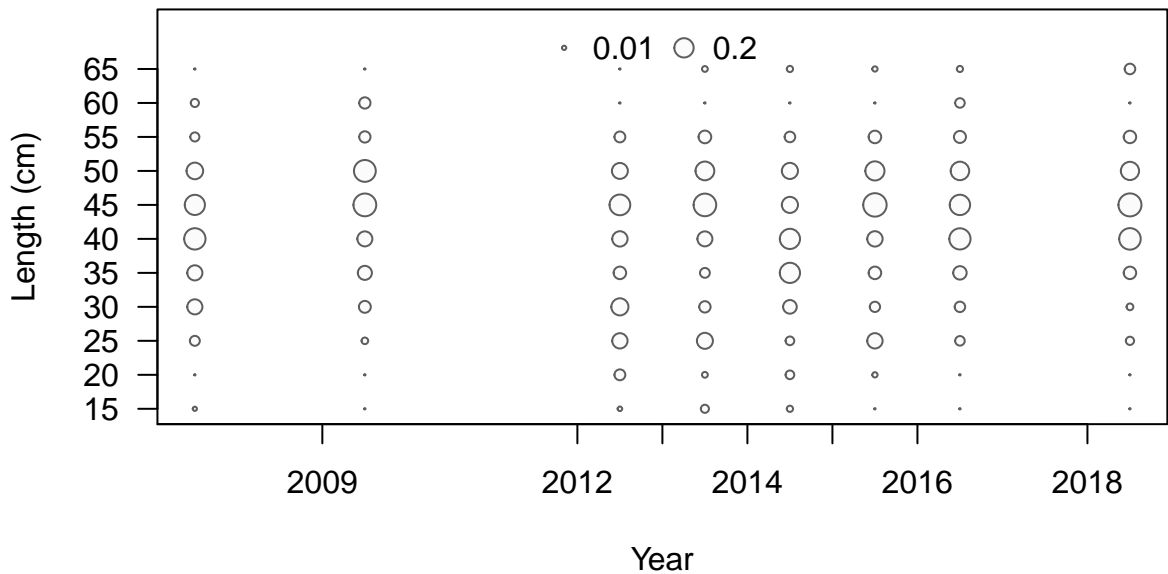




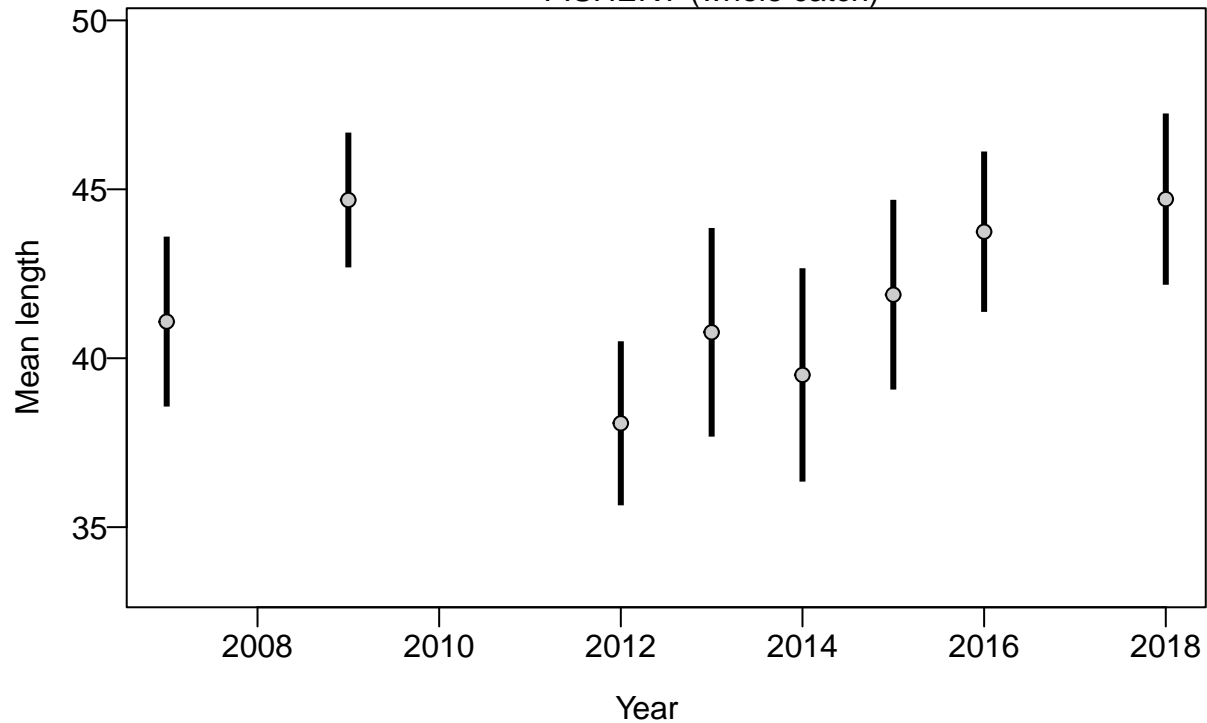
Proportion

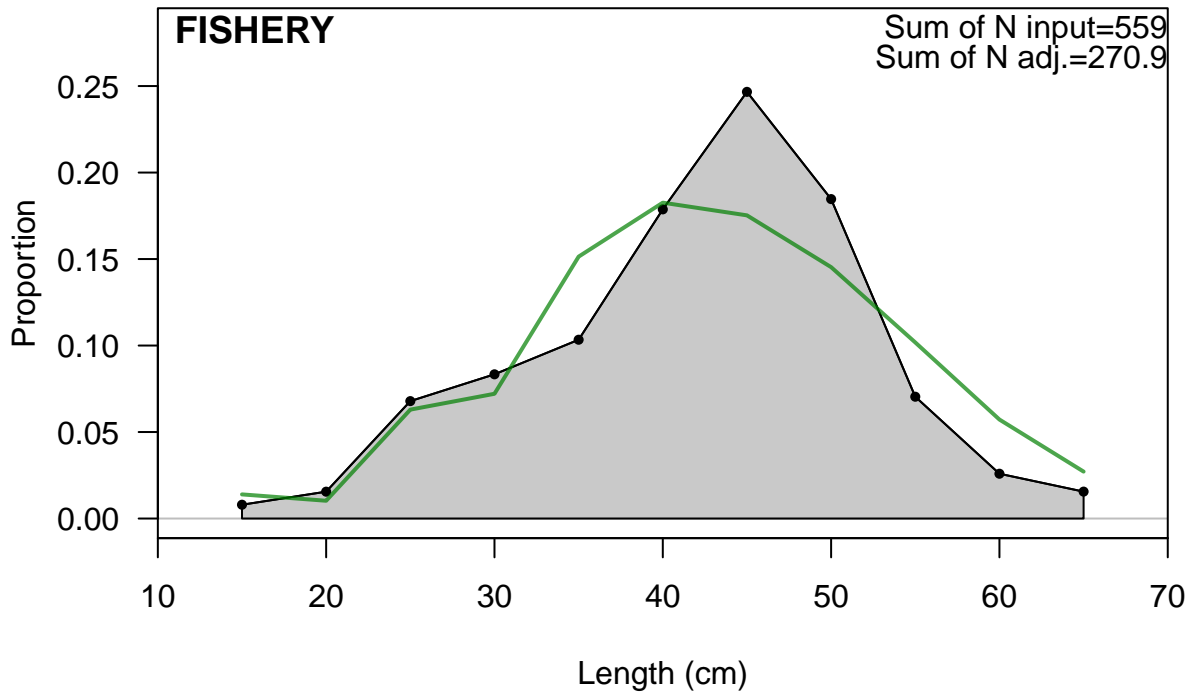


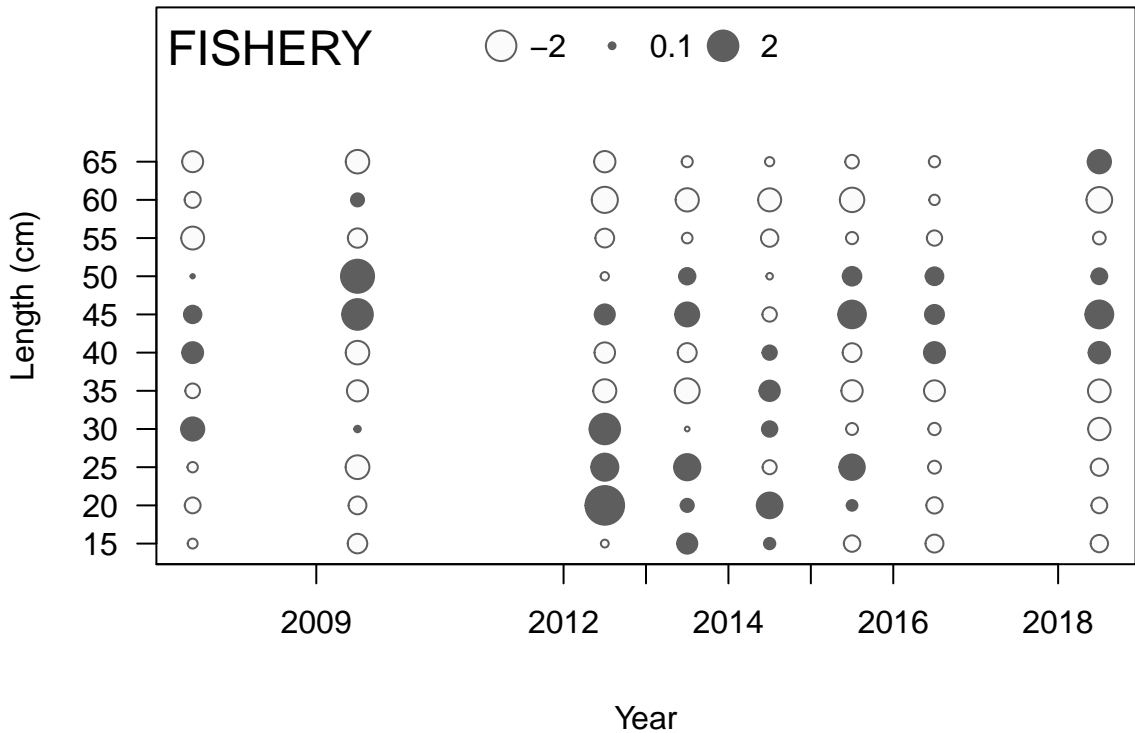
Length (cm)



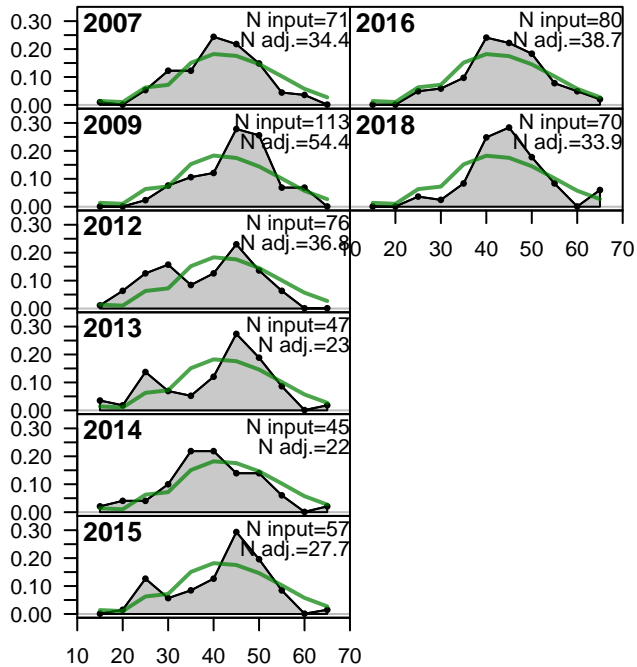
# FISHERY (whole catch)



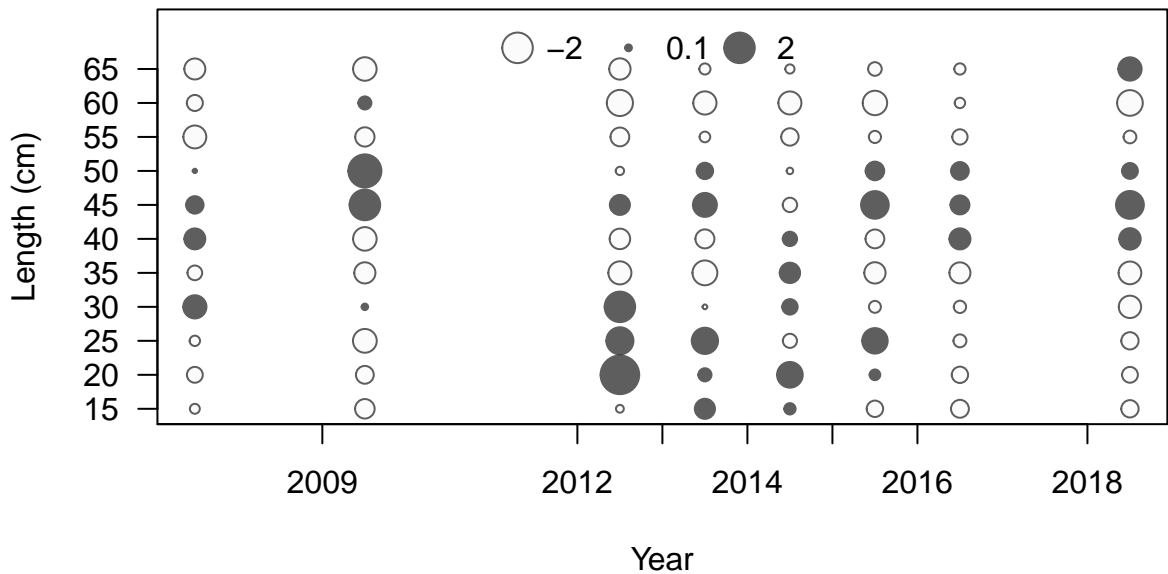




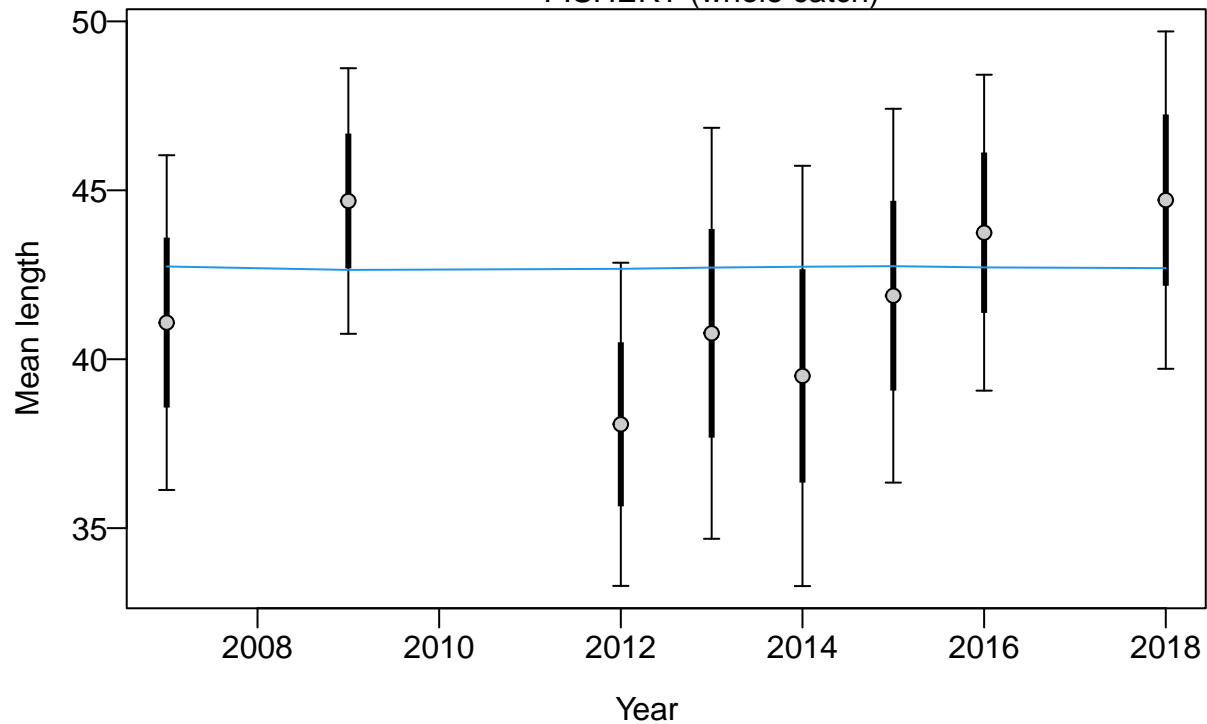
Proportion



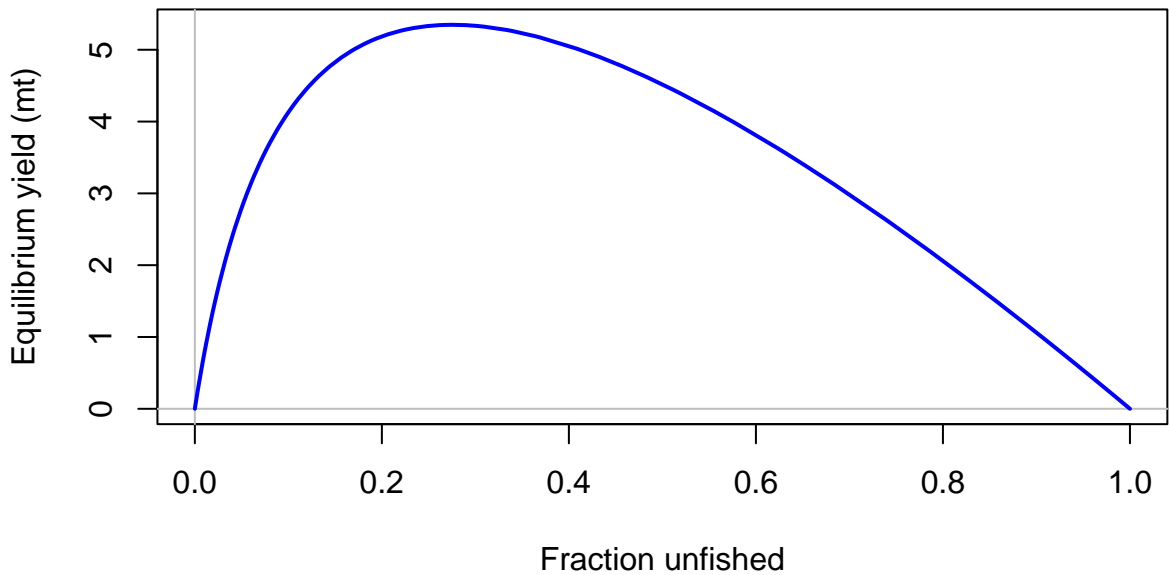
Length (cm)

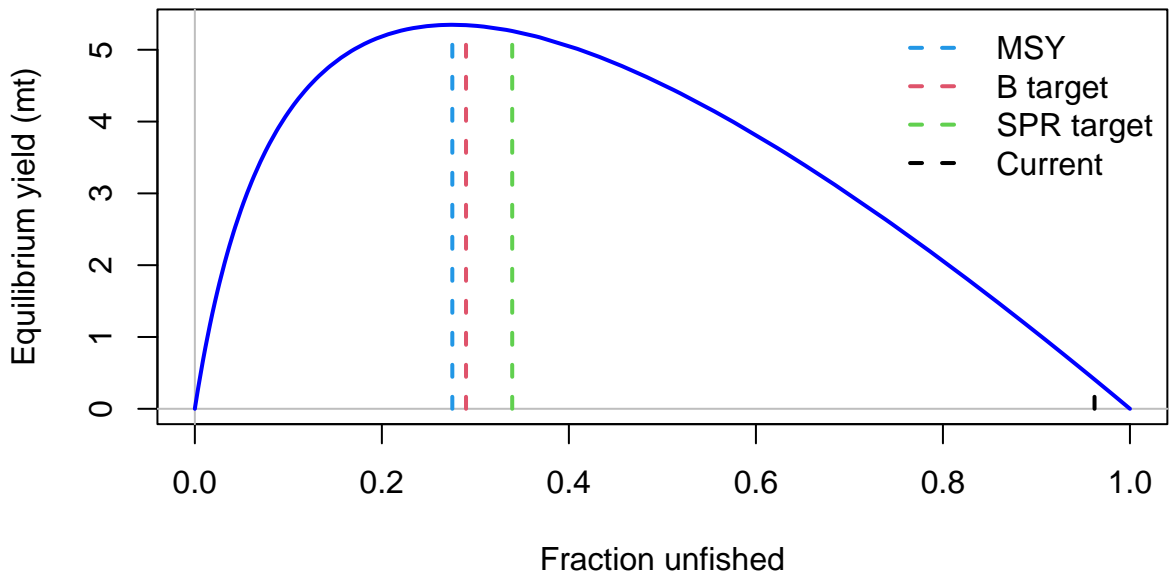


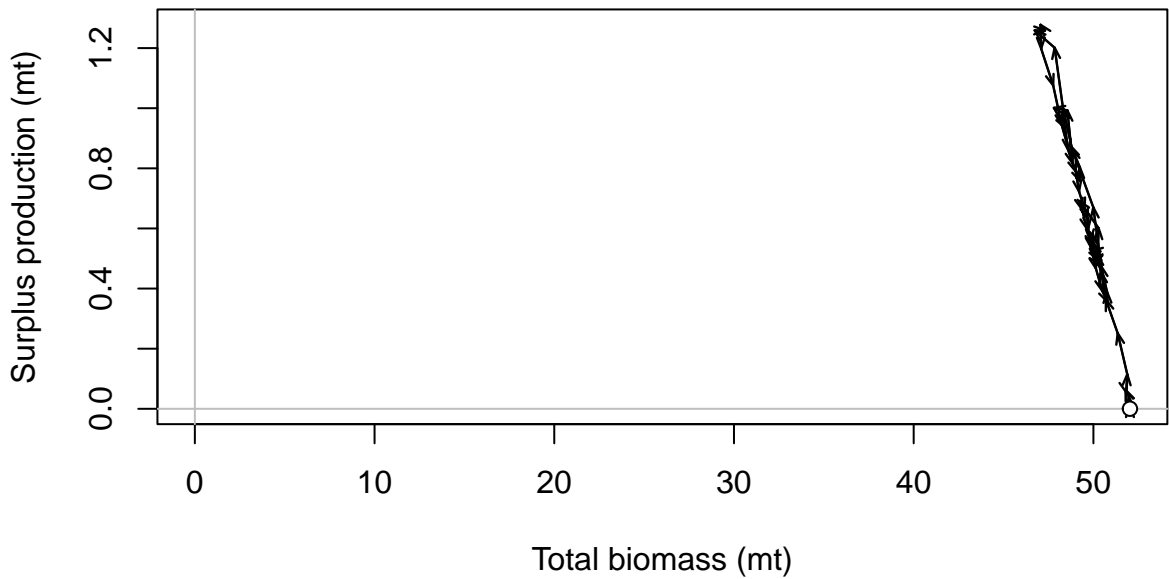
FISHERY (whole catch)

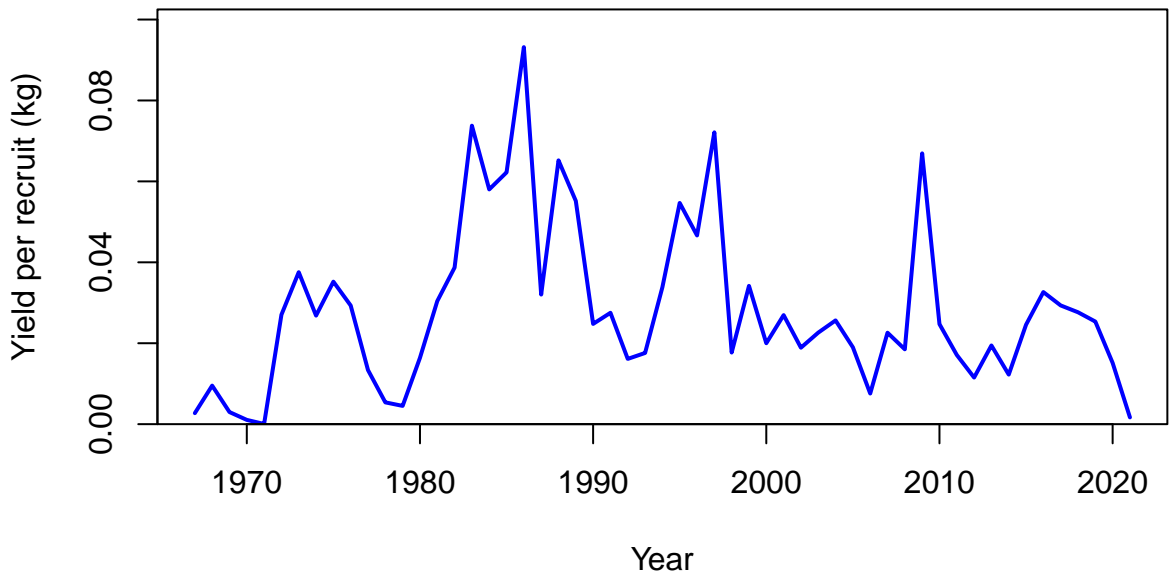


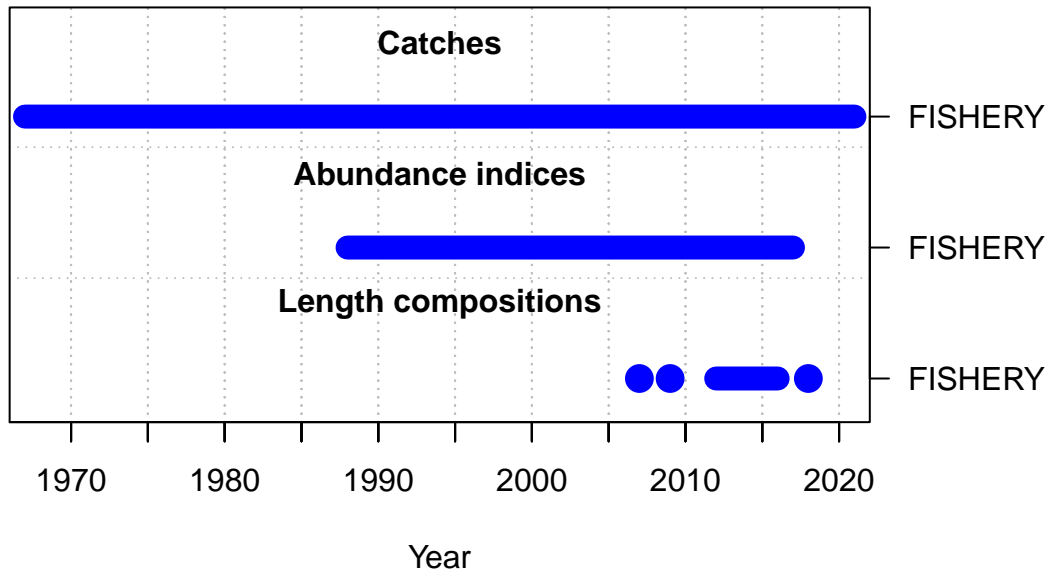


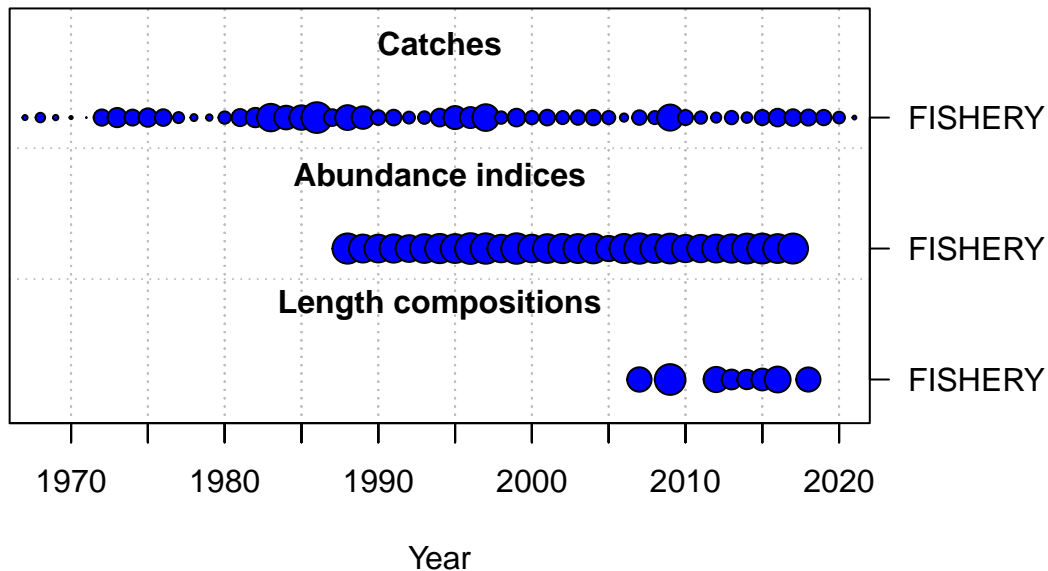




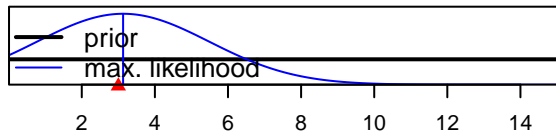




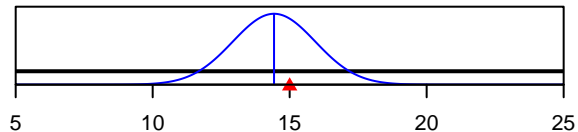




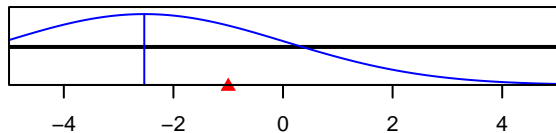
SR\_LN(R0)



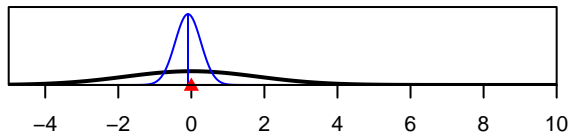
Size\_95%width\_FISHERY(1)



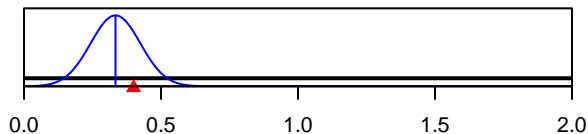
LnQ\_base\_FISHERY(1)



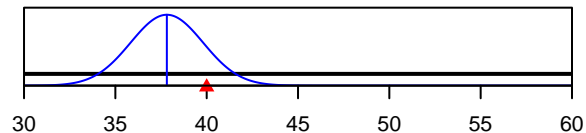
ln(DM\_theta)\_1



Q\_extraSD\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Parameter value