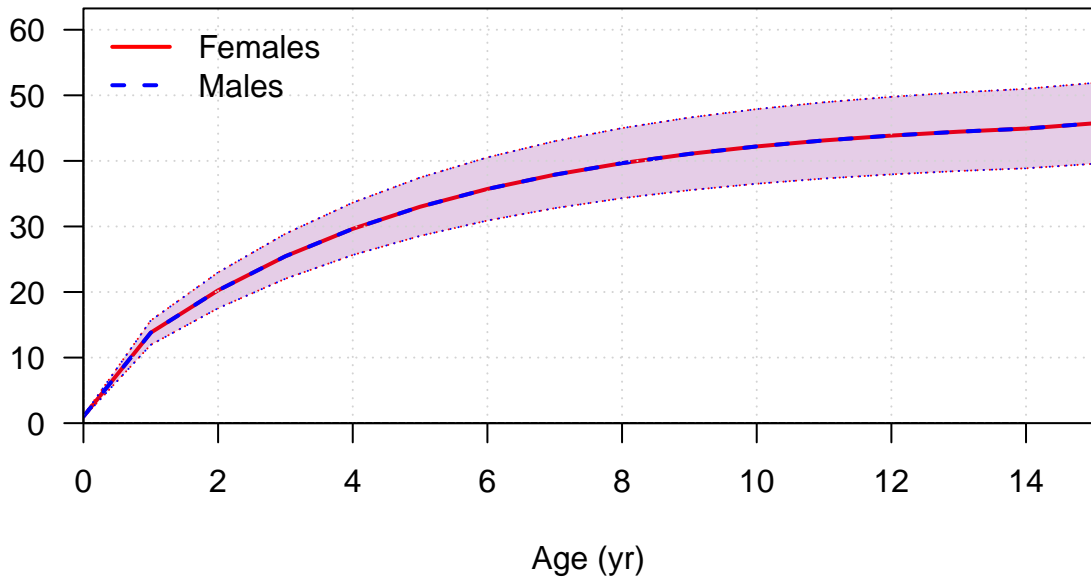
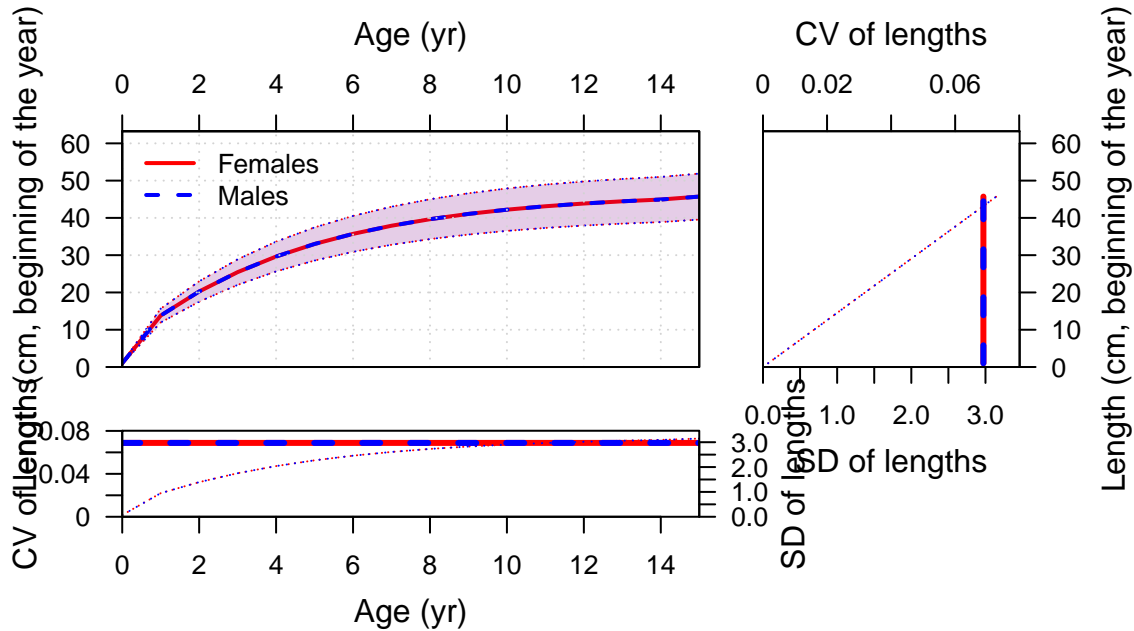
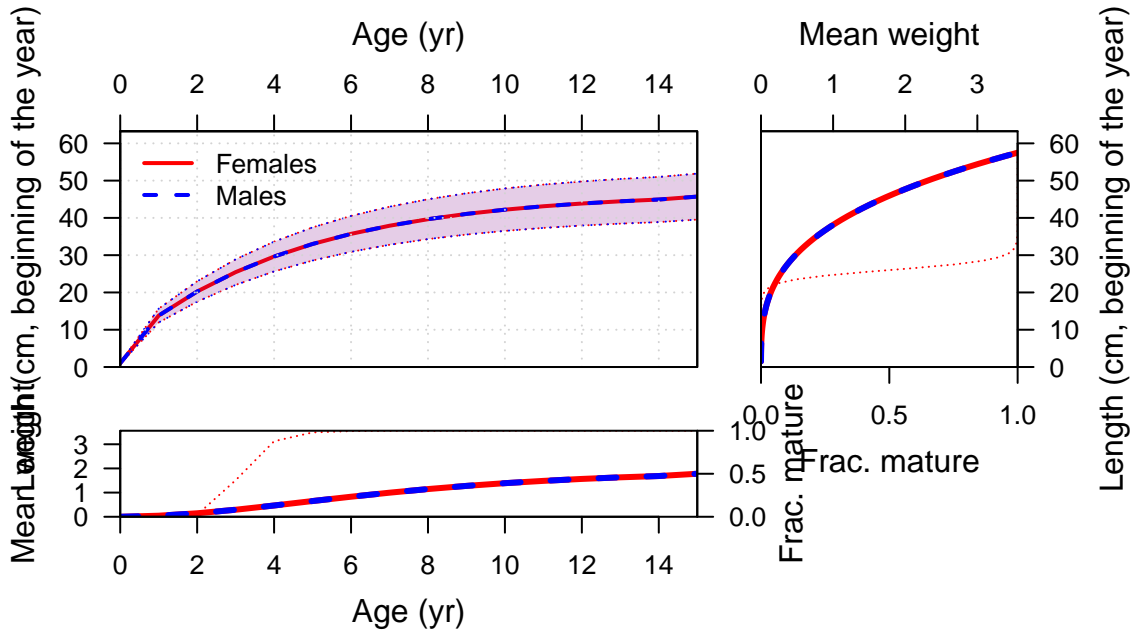


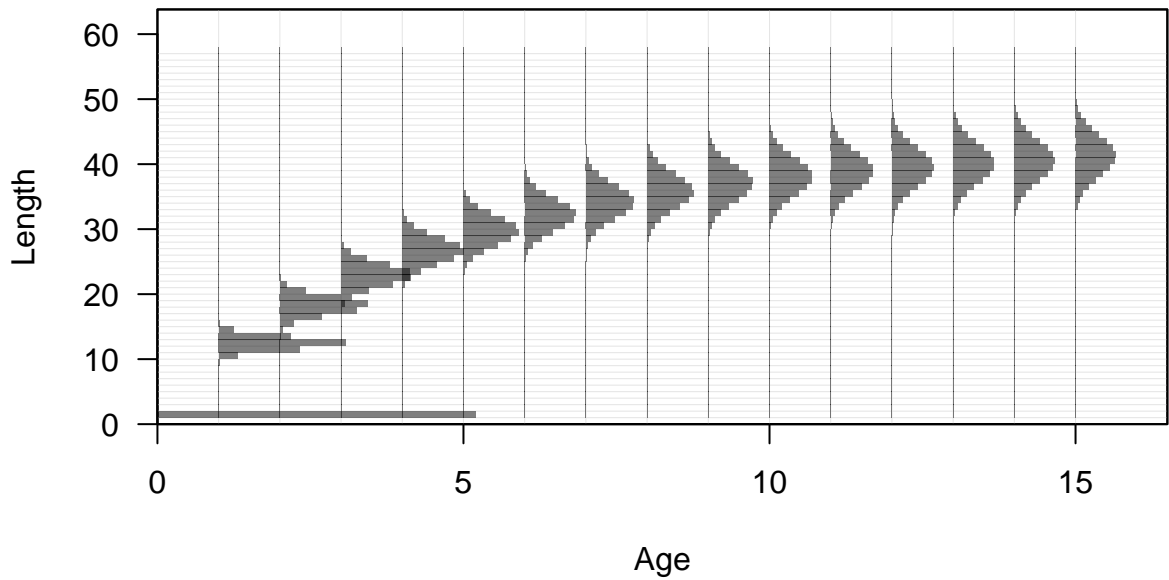
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Tue Dec 13 10:27:39 2022  
Data\_File: data.ss  
Control\_File: control.ss

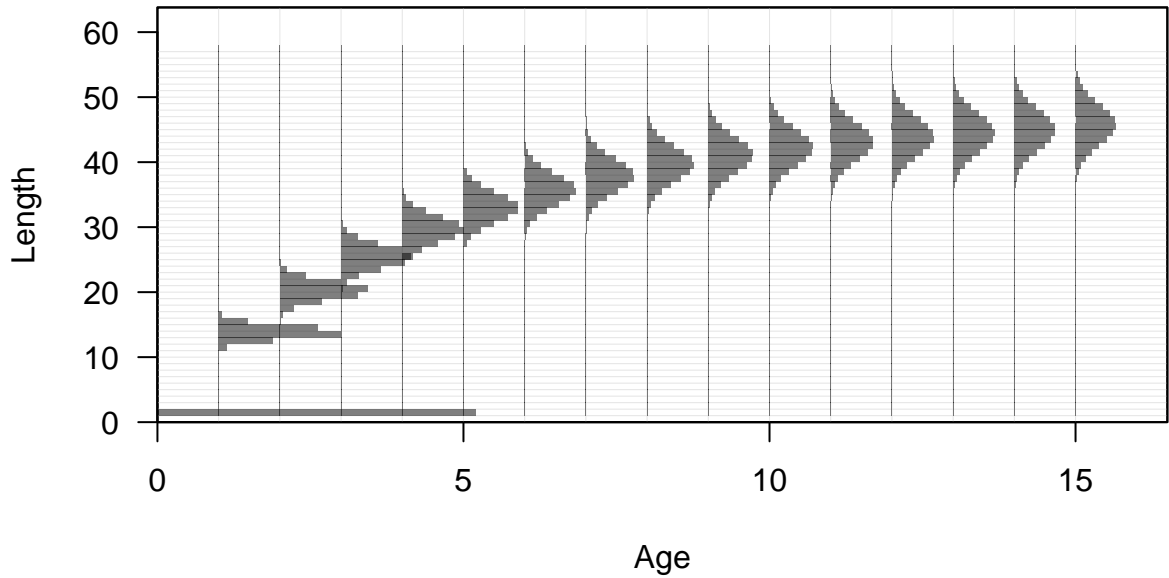
Length (cm, beginning of the year)

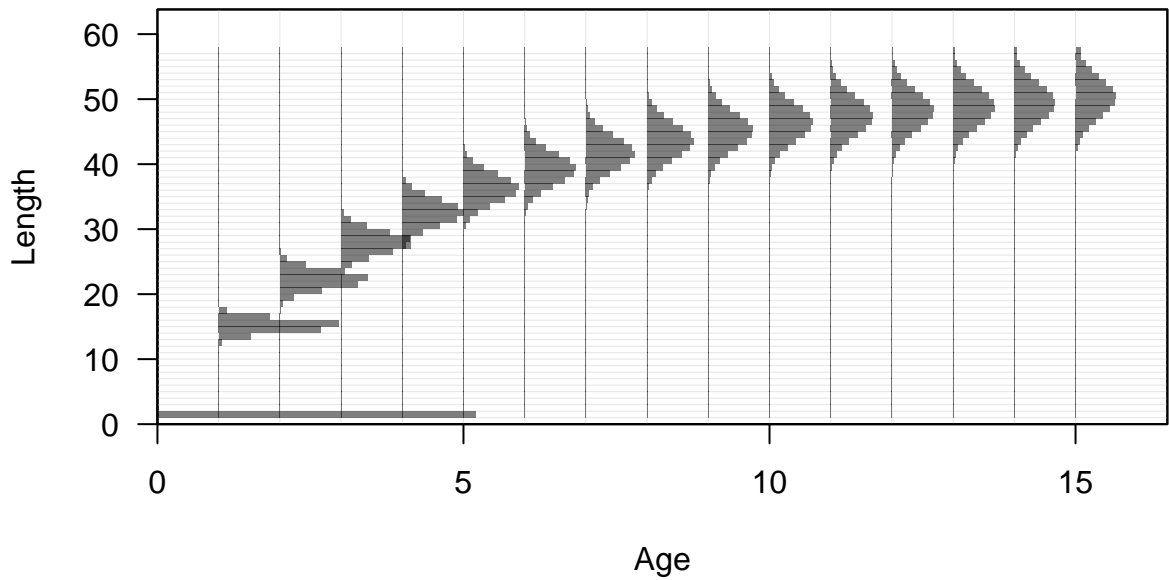


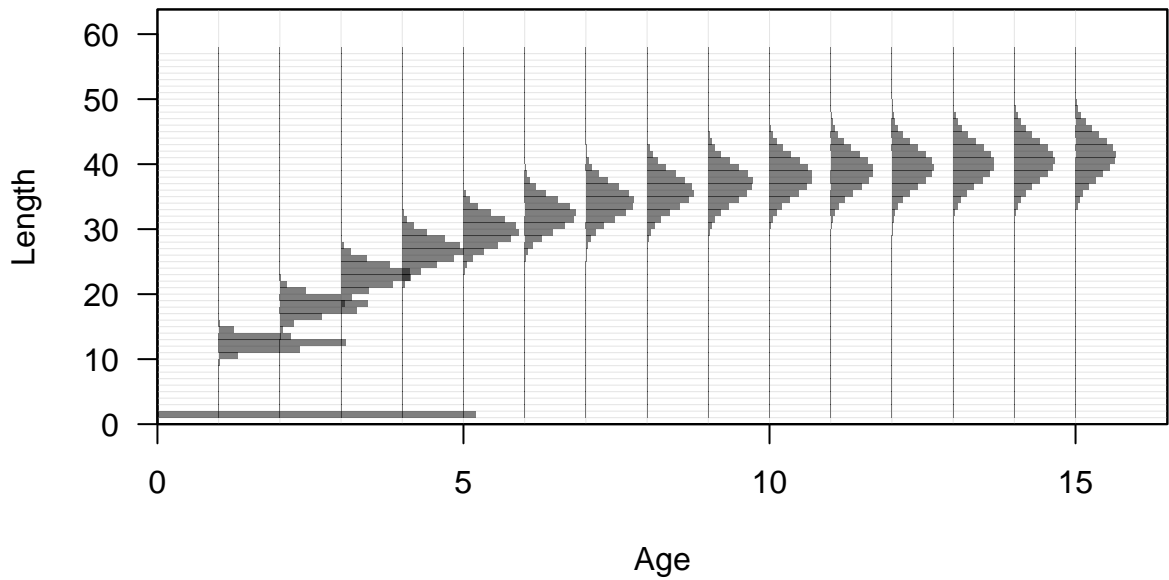




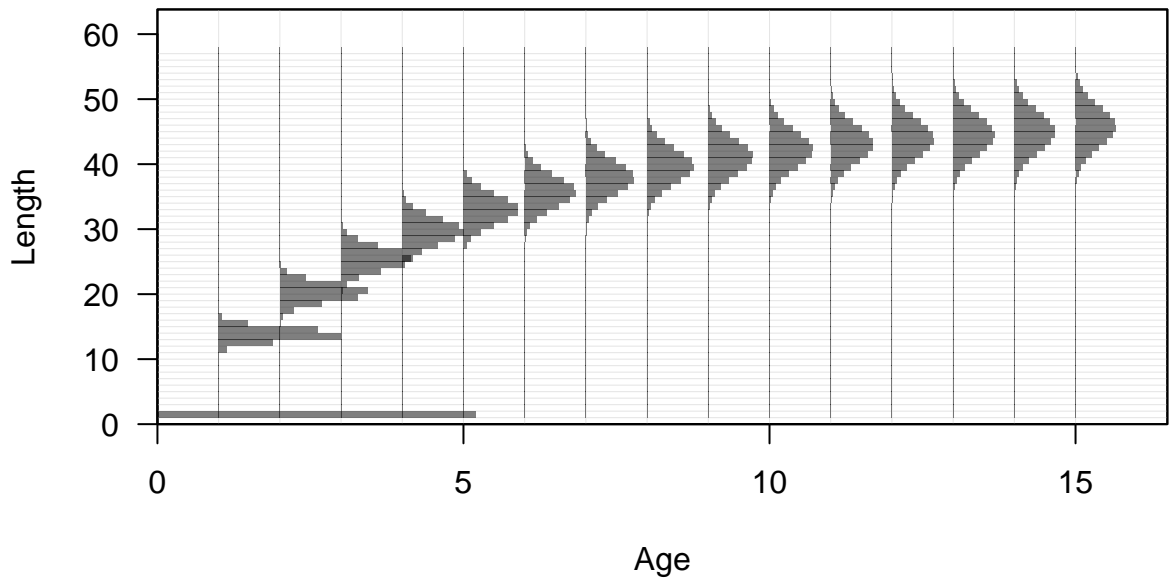


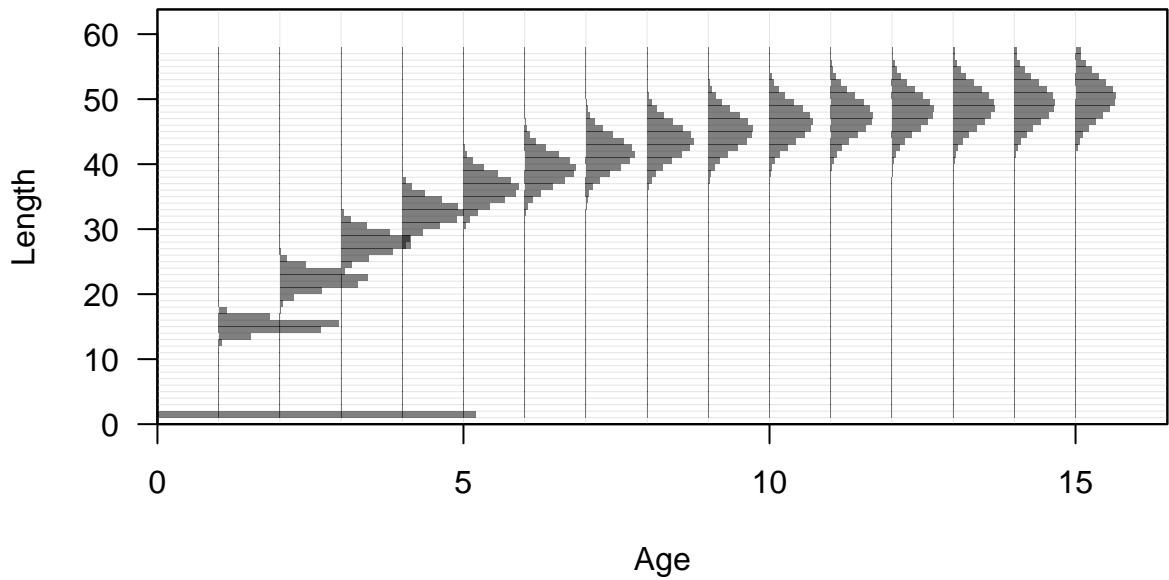


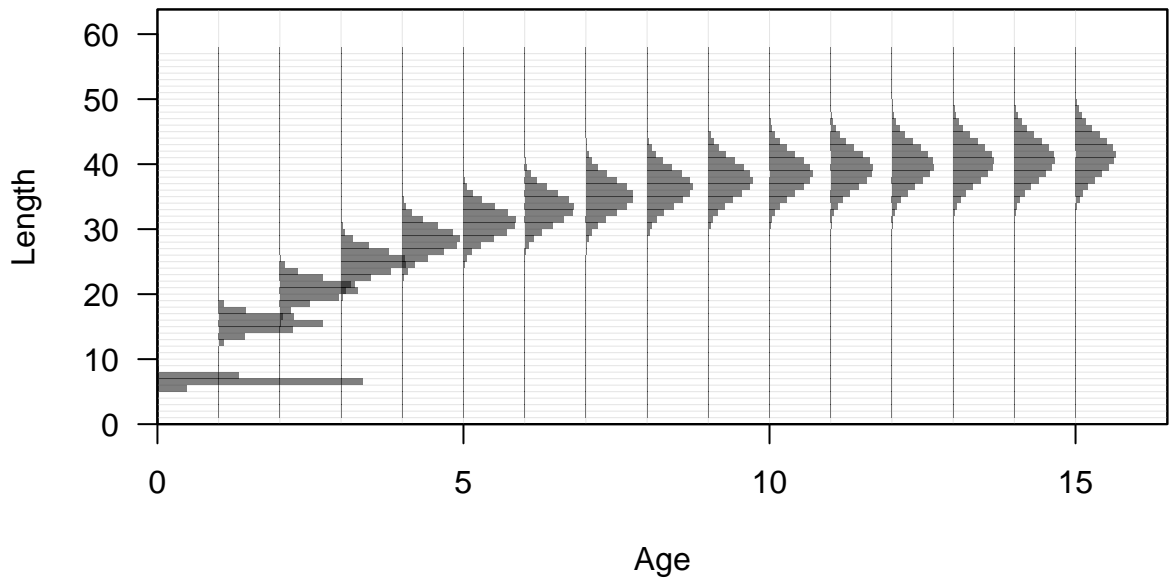


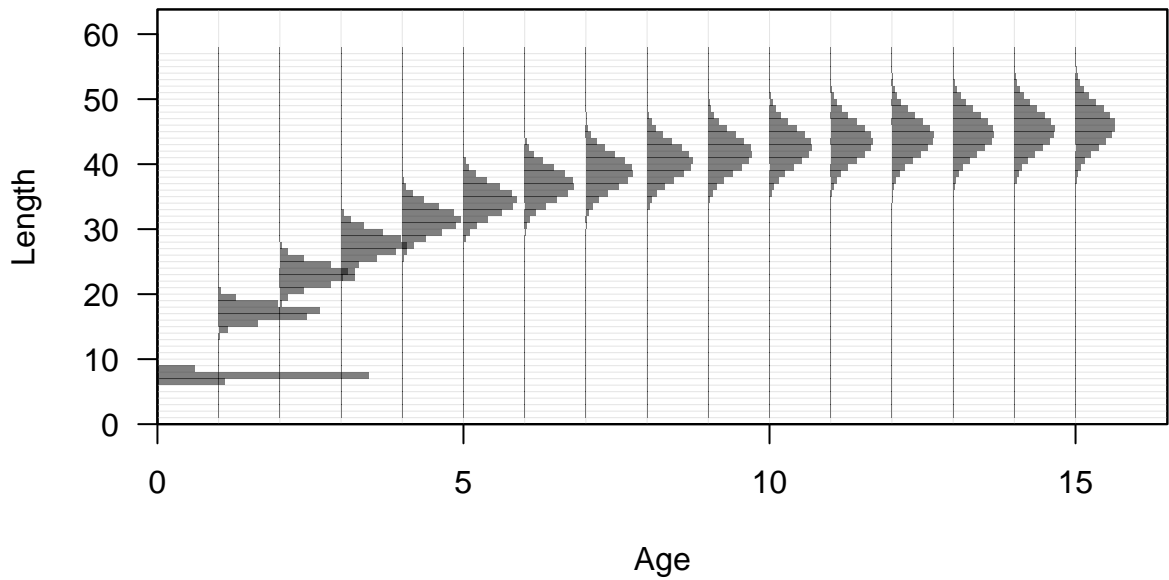


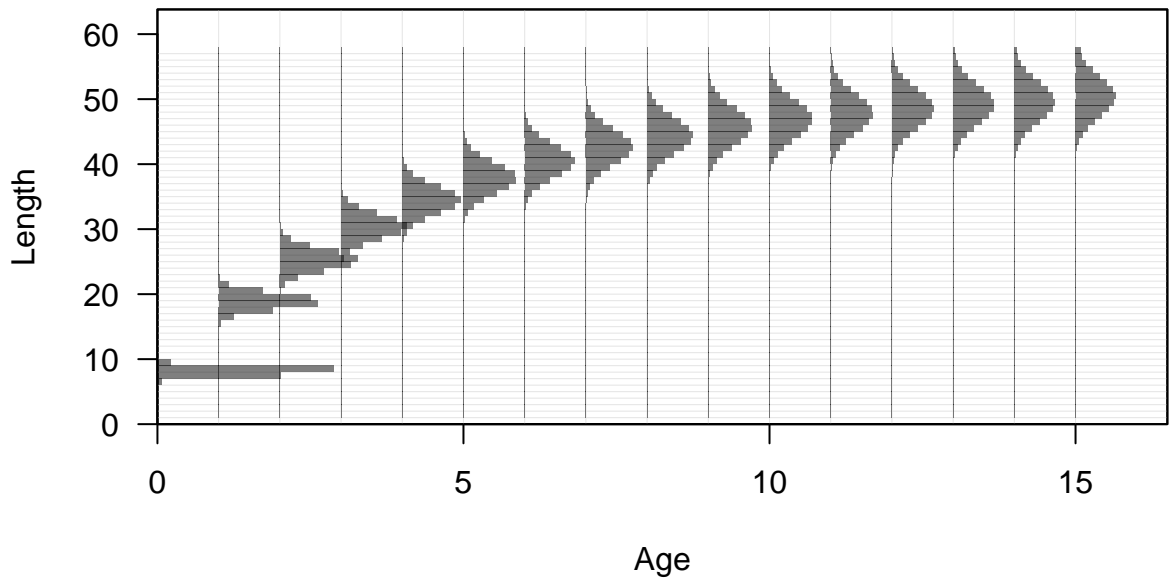


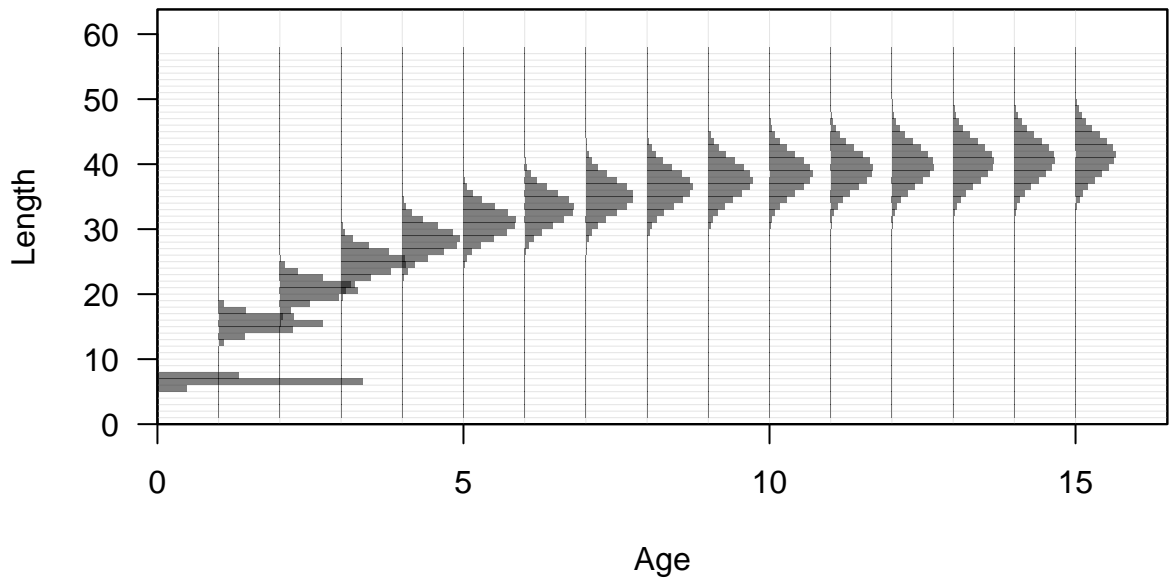


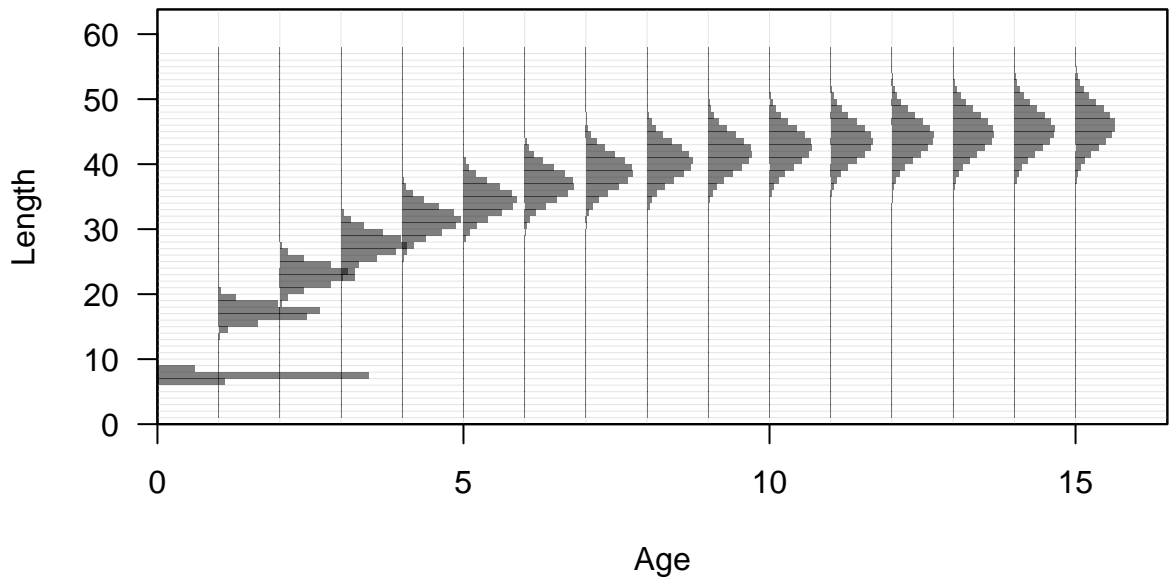


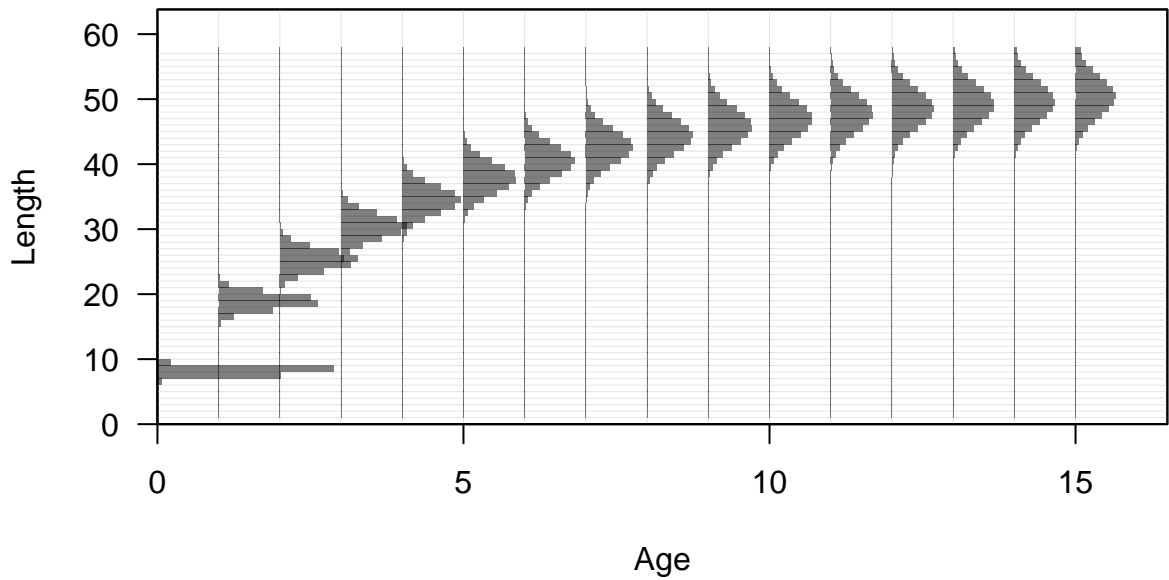










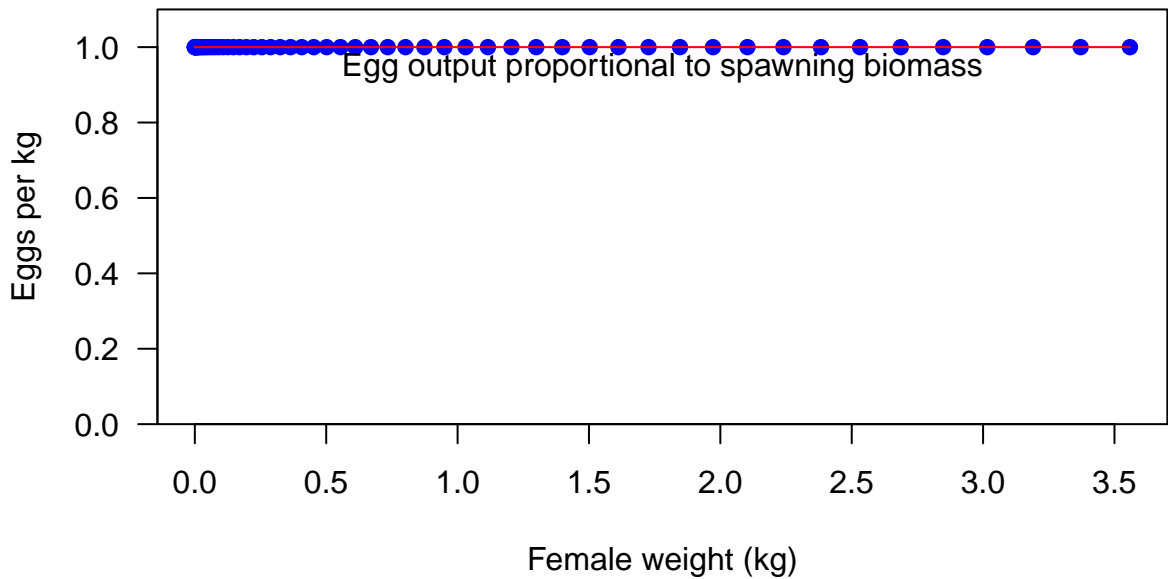












Fecundity



Fecundity



Spawning output

3

2

1

0

0

10

20

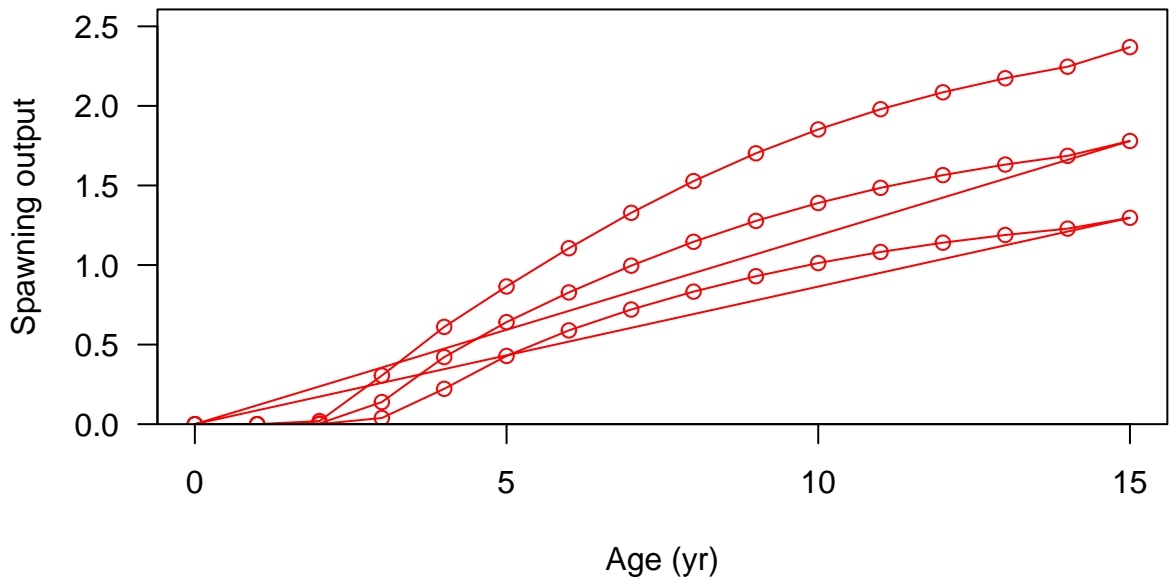
30

40

50

Length (cm)



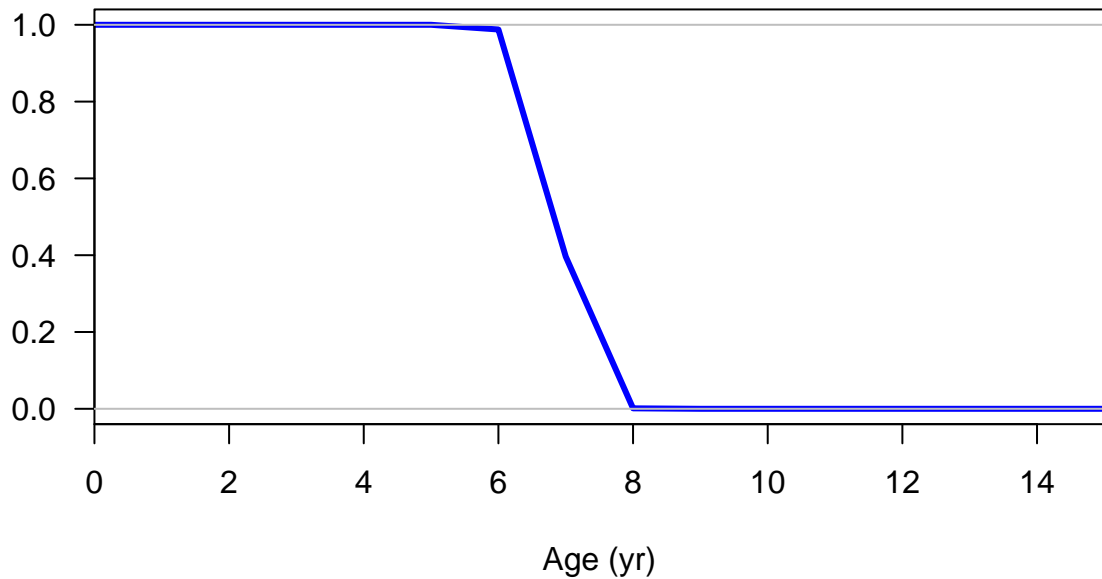




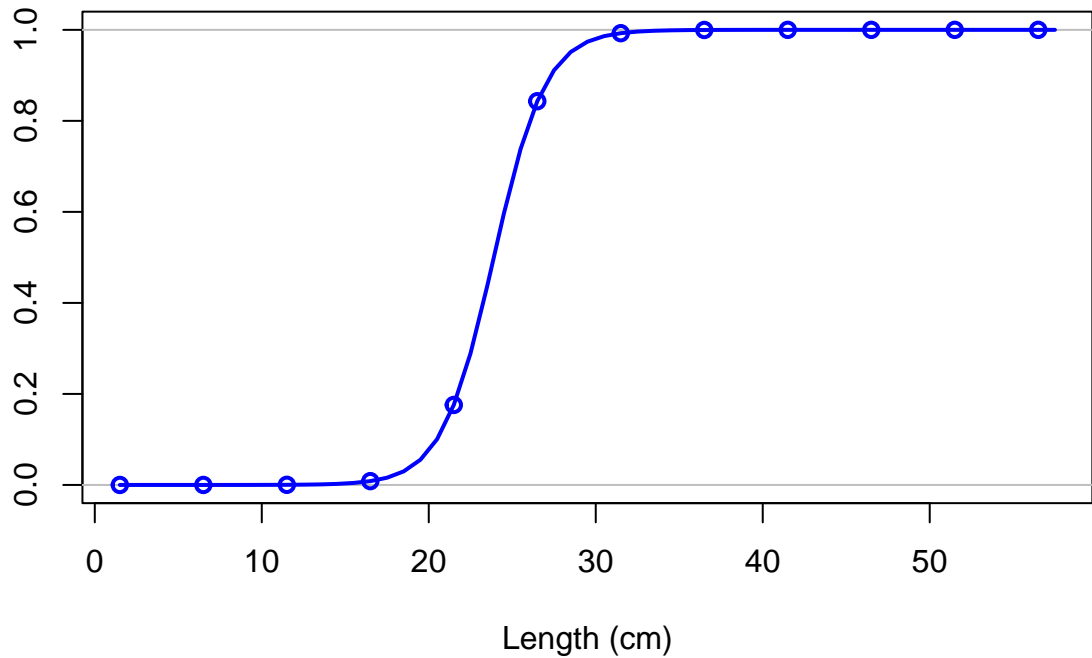
Hermaphroditism transition rate



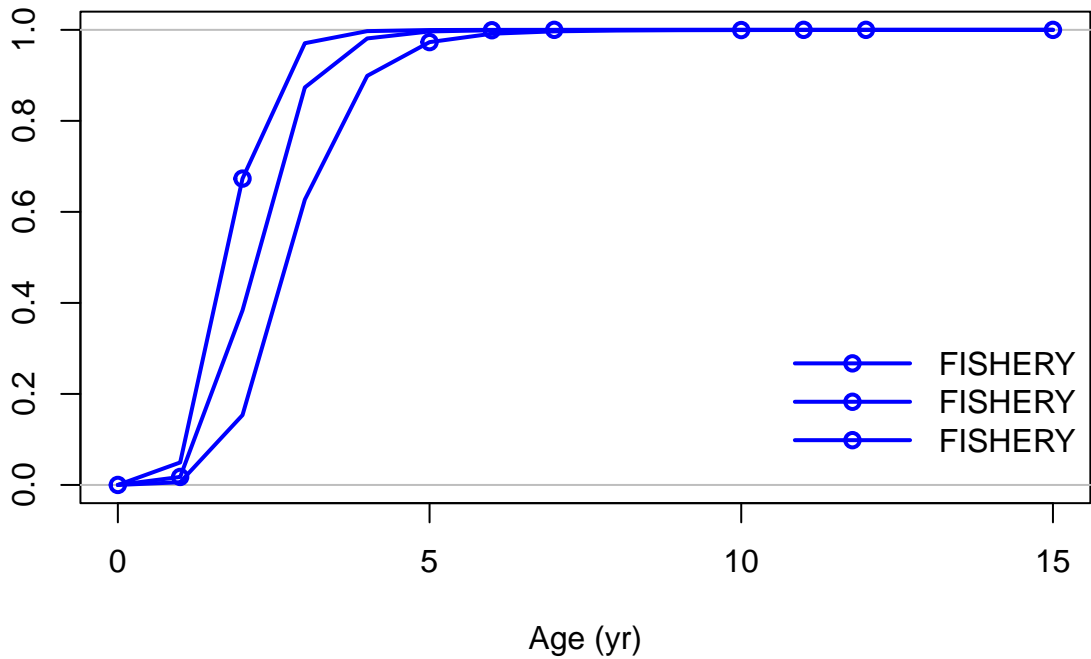
Fraction females by age at equilibrium



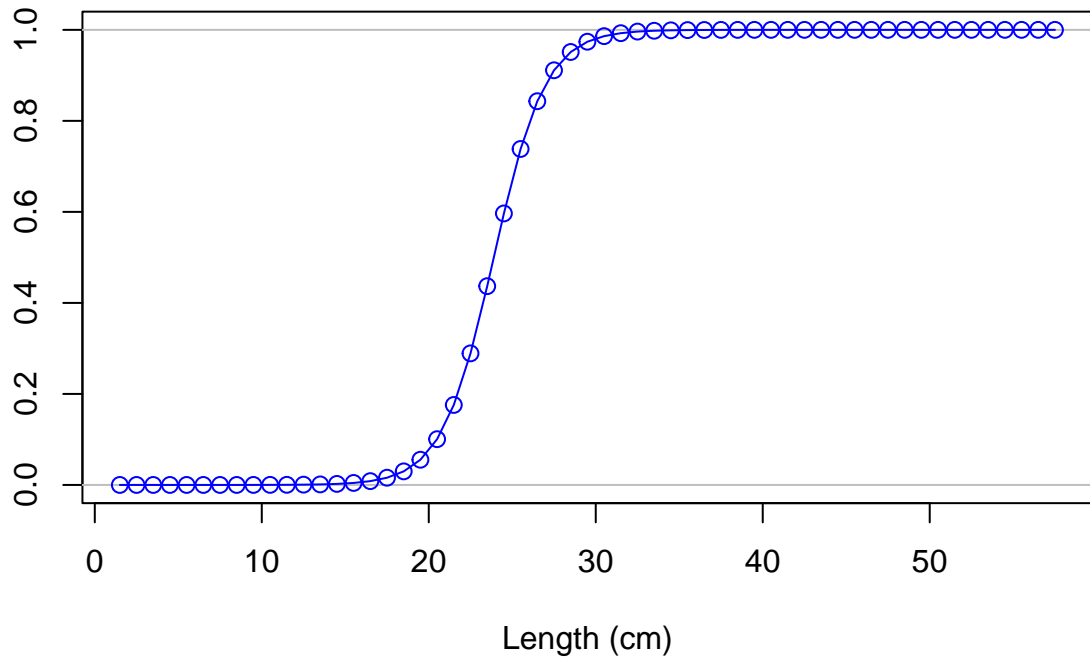
Selectivity



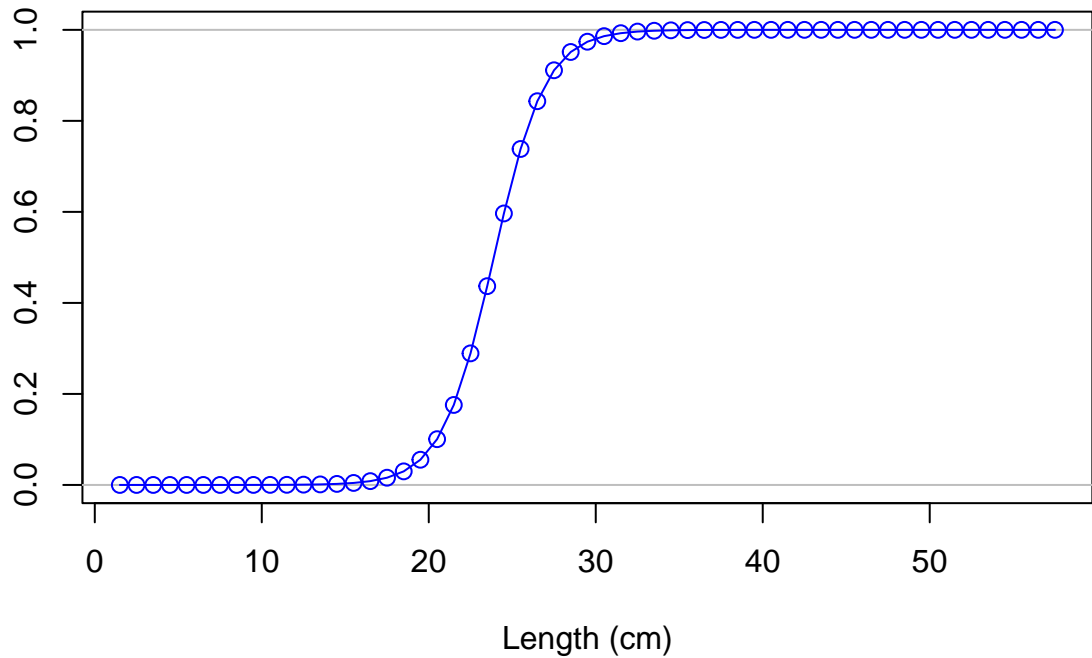
Selectivity

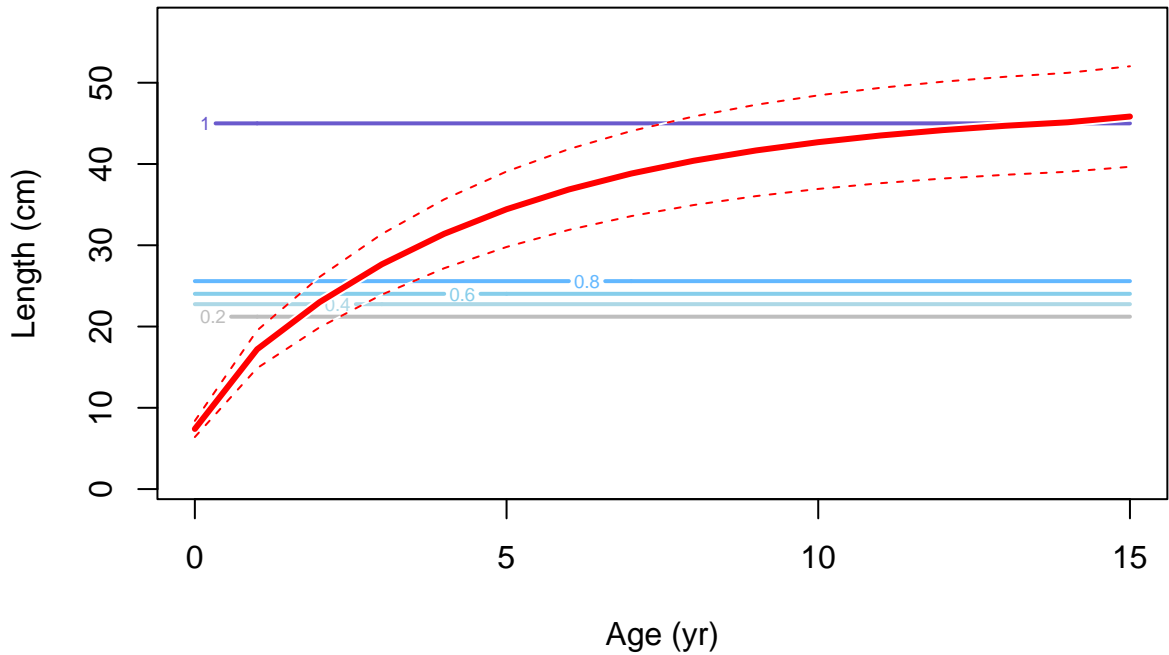


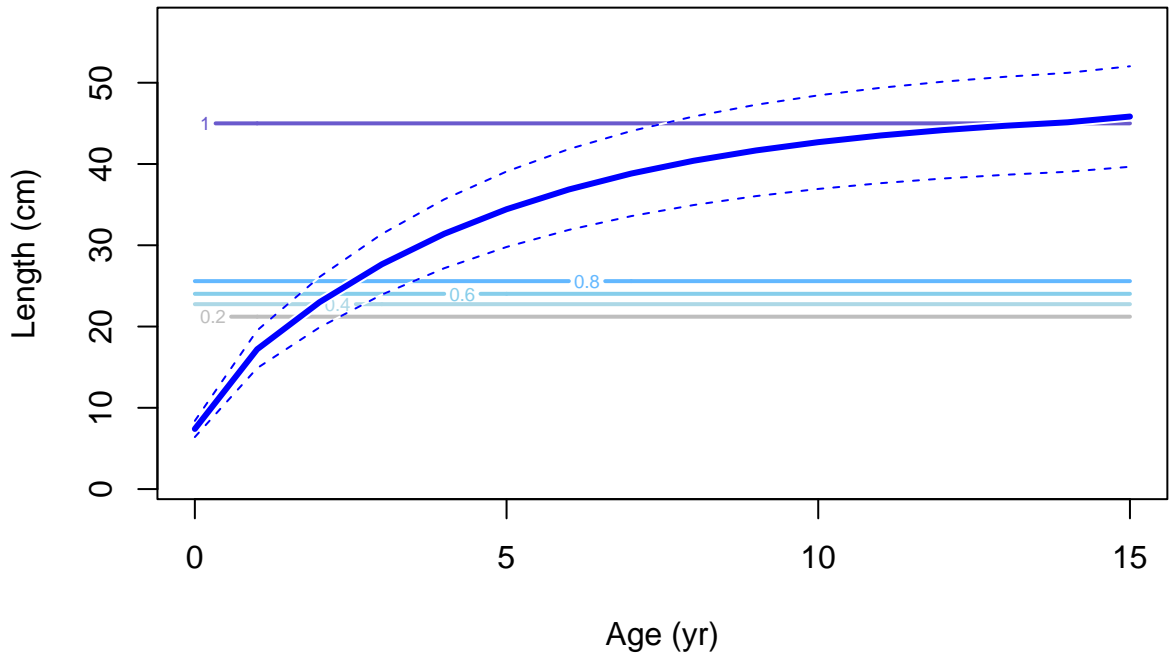
Selectivity



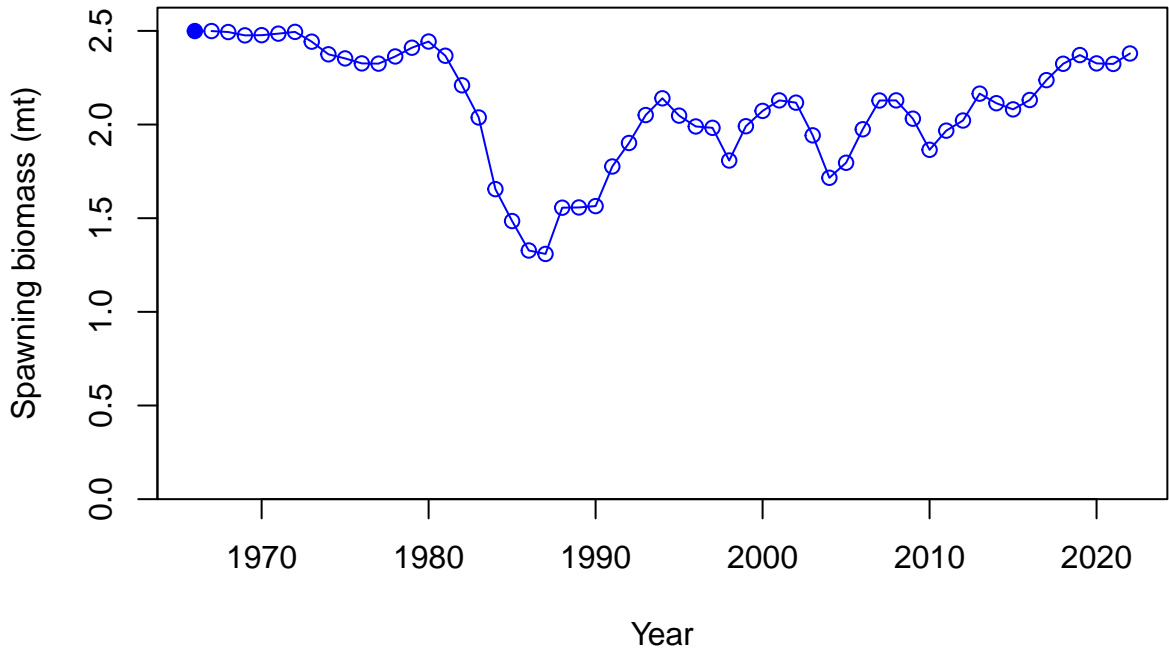
Selectivity



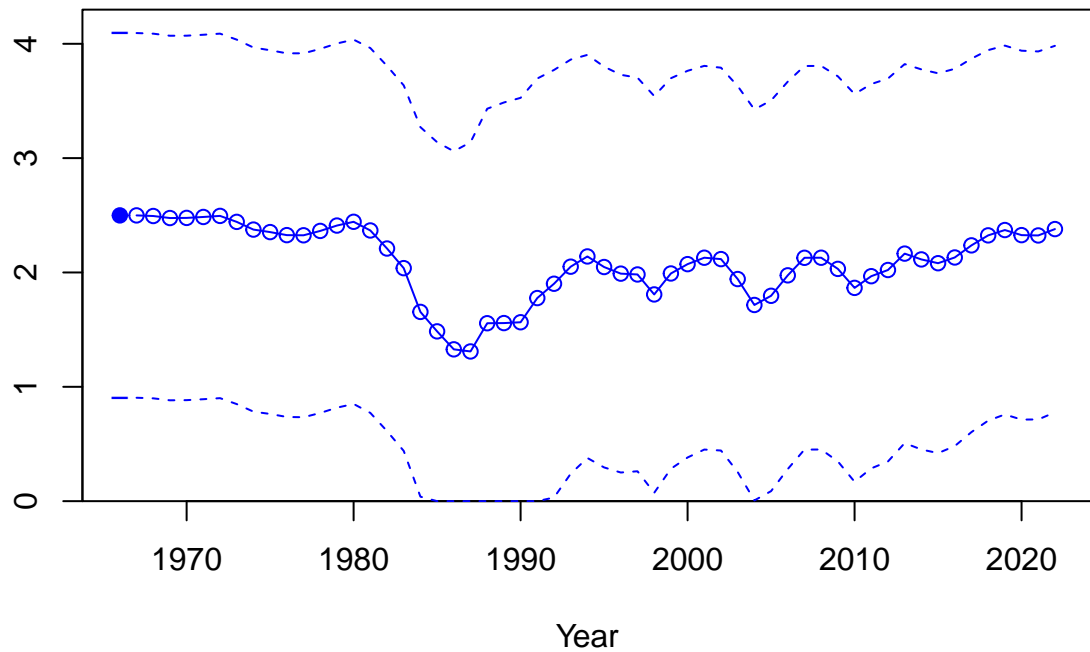




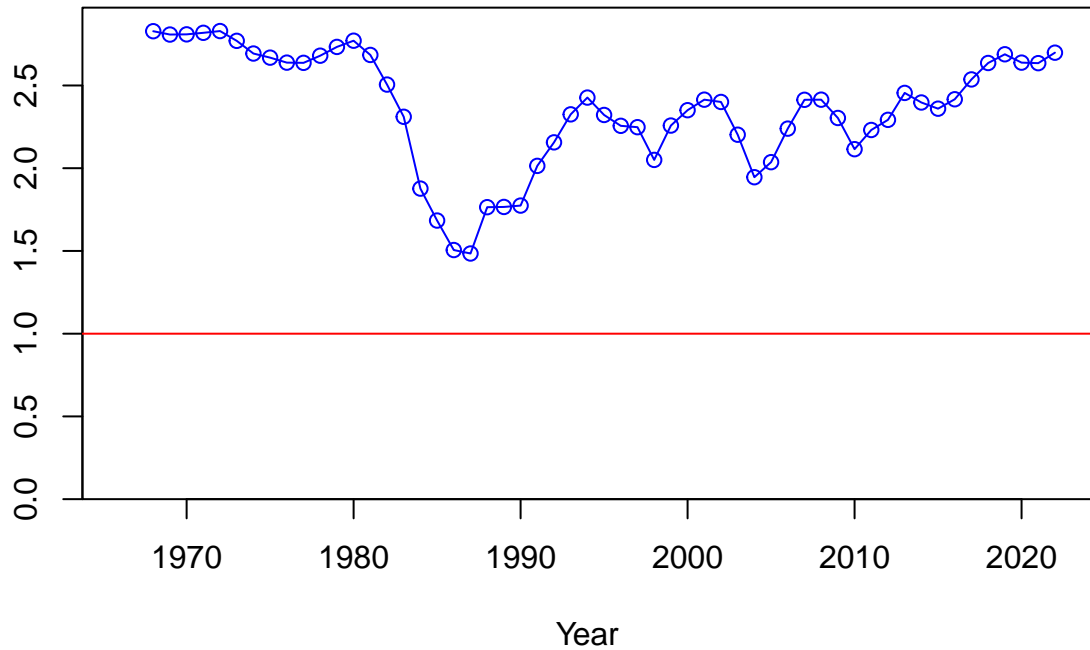




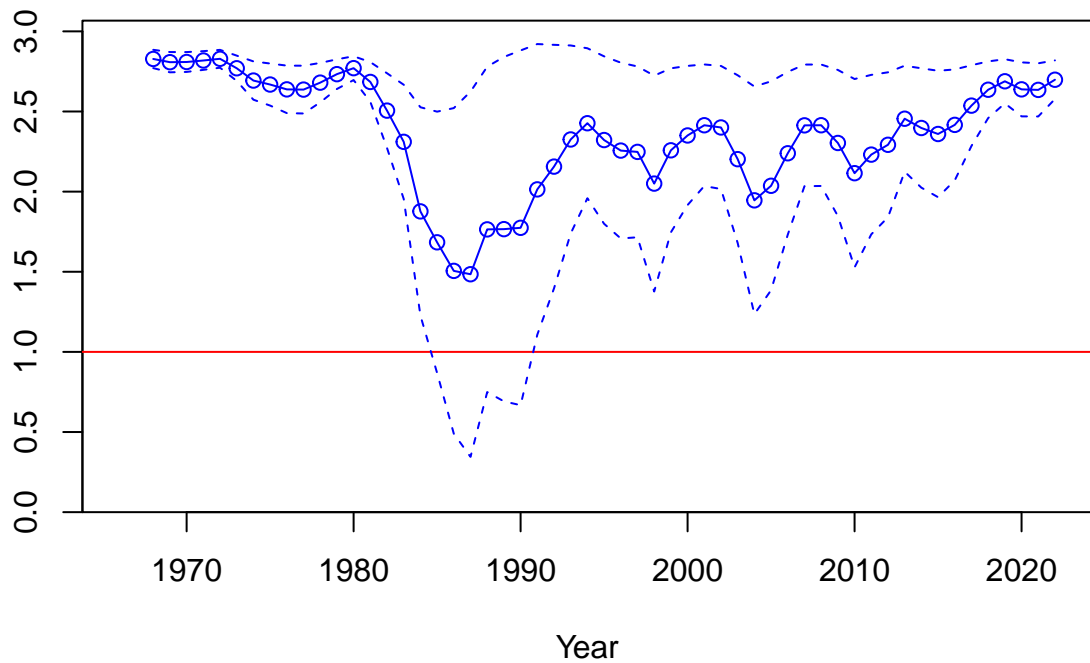
Spawning biomass (mt)

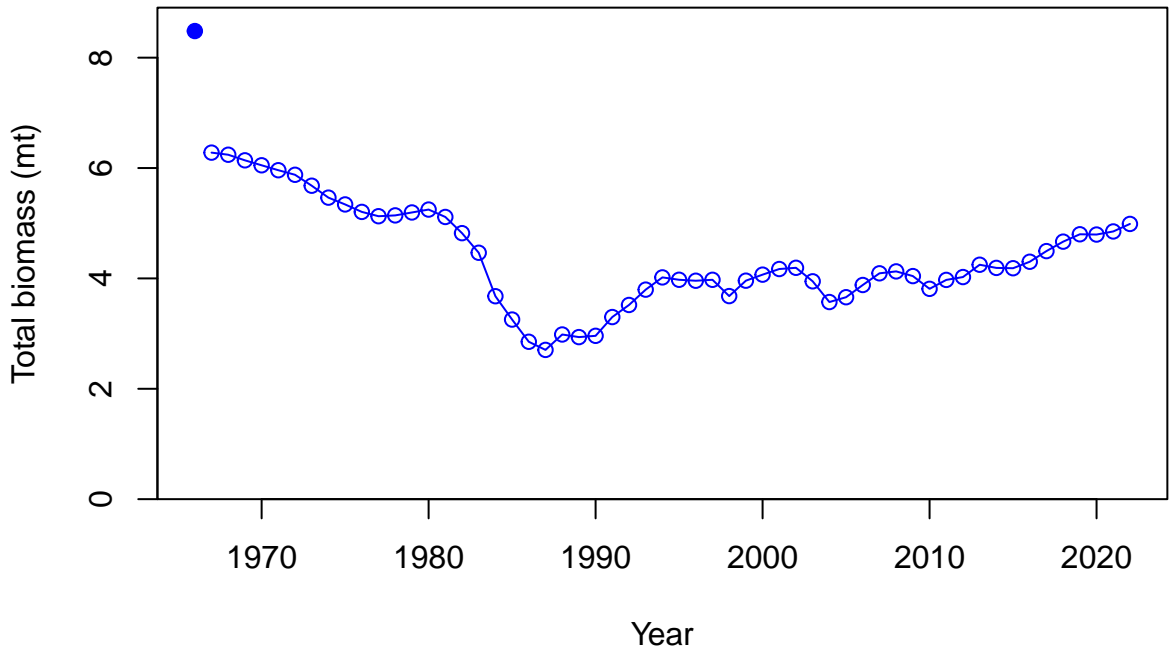


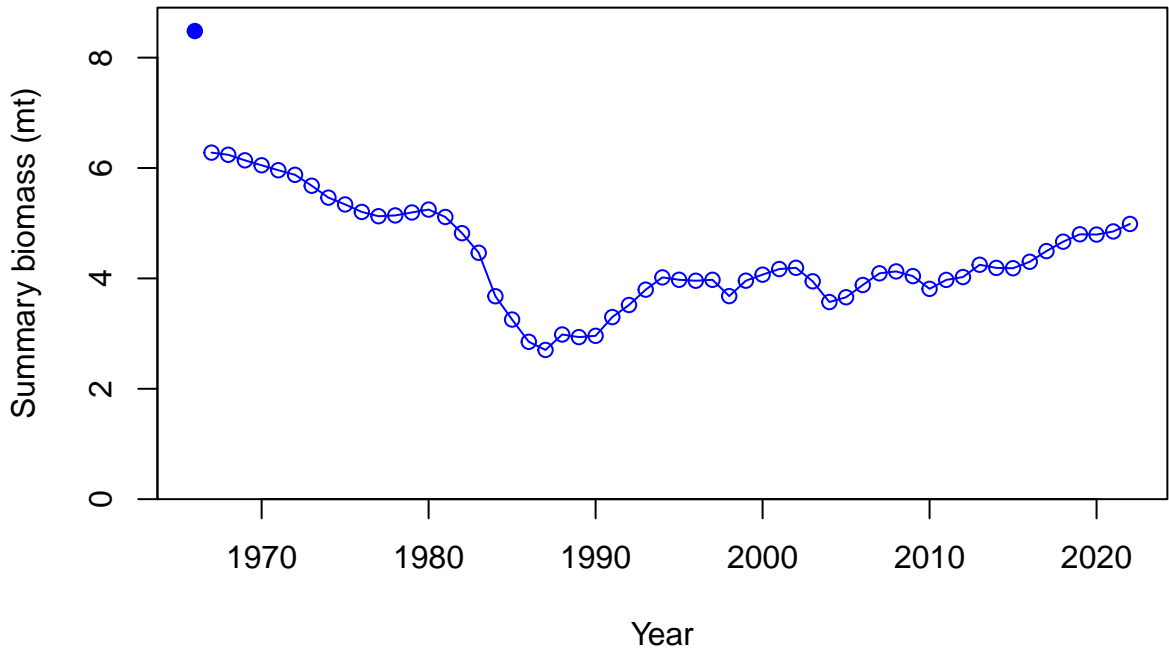
Relative spawning biomass:  $B/B_{MSY}$



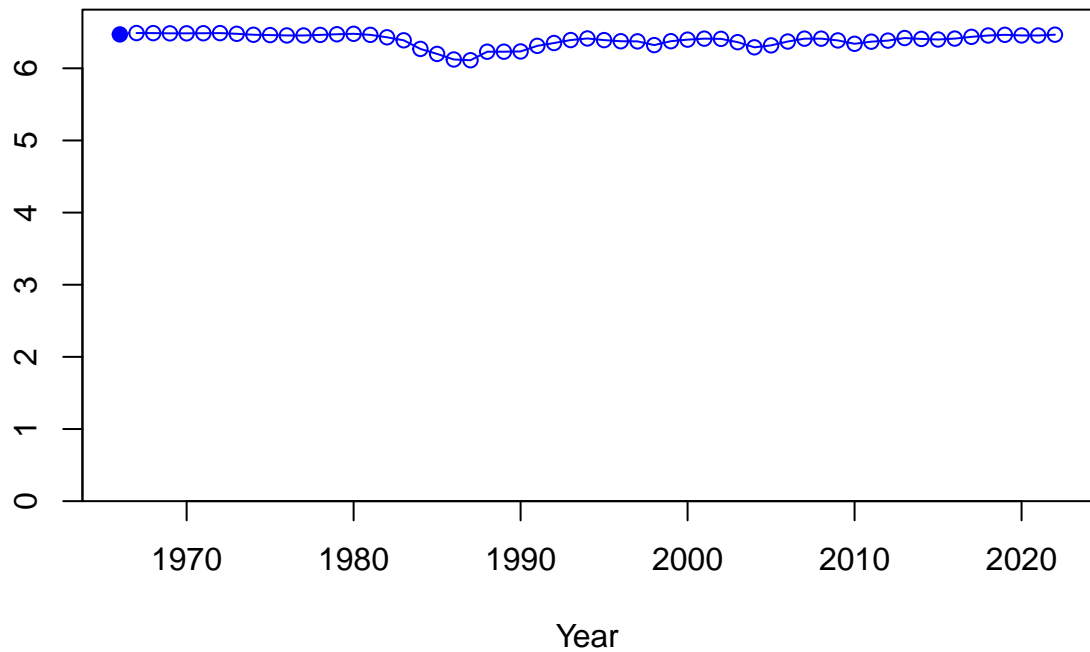
Relative spawning biomass: B/B<sub>MSY</sub>



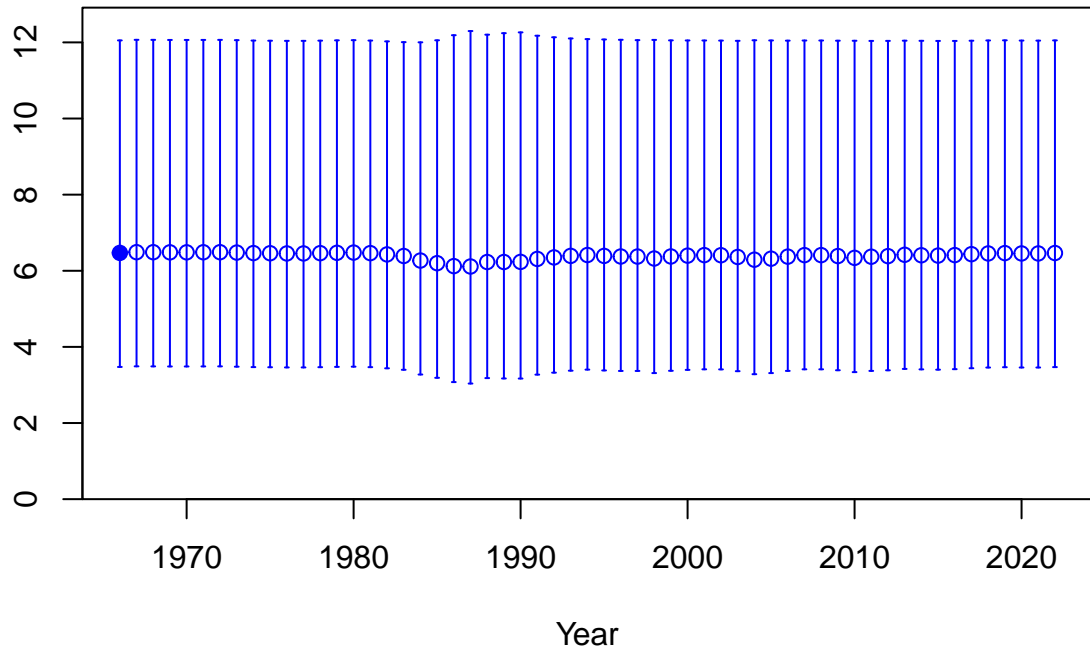




Age-0 recruits (1,000s)

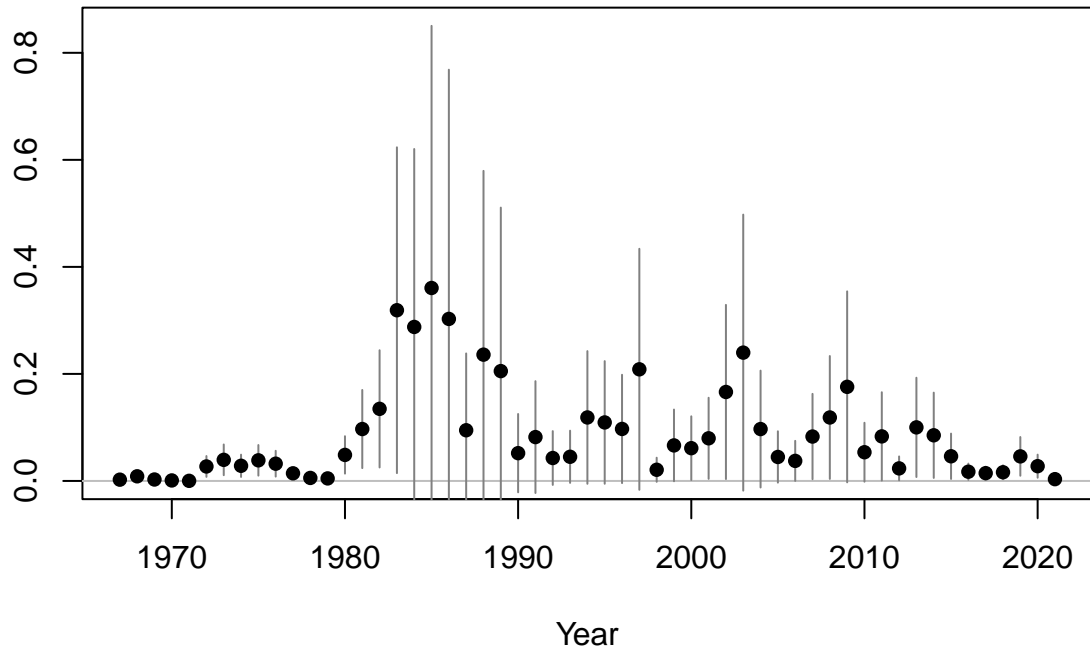


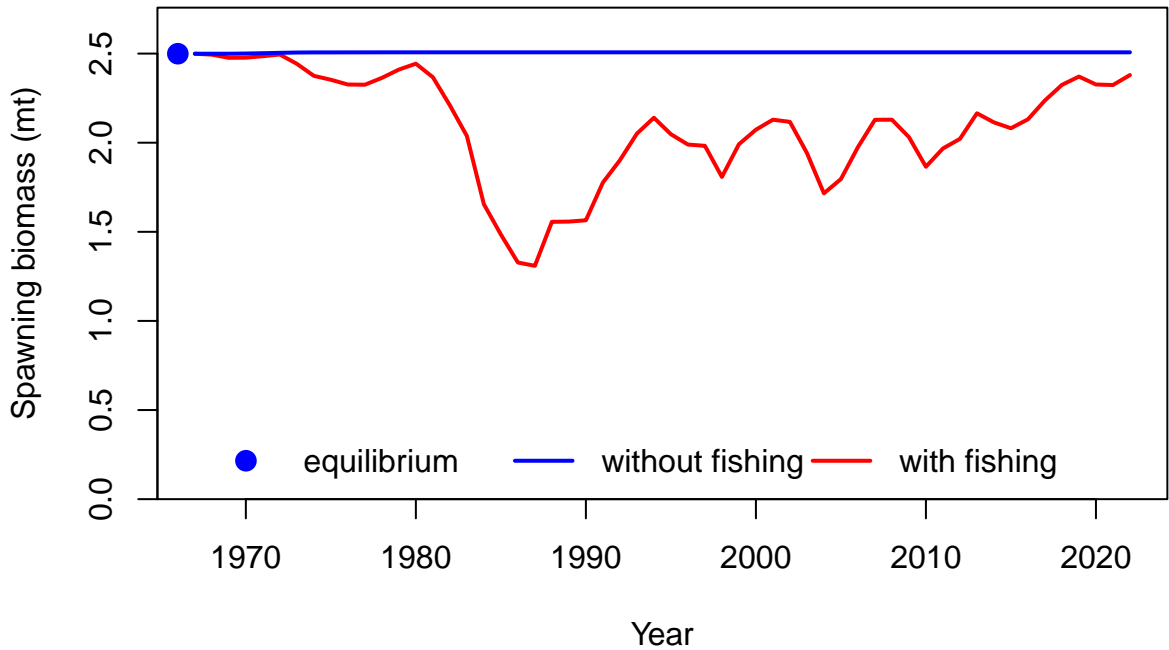
Age-0 recruits (1,000s)

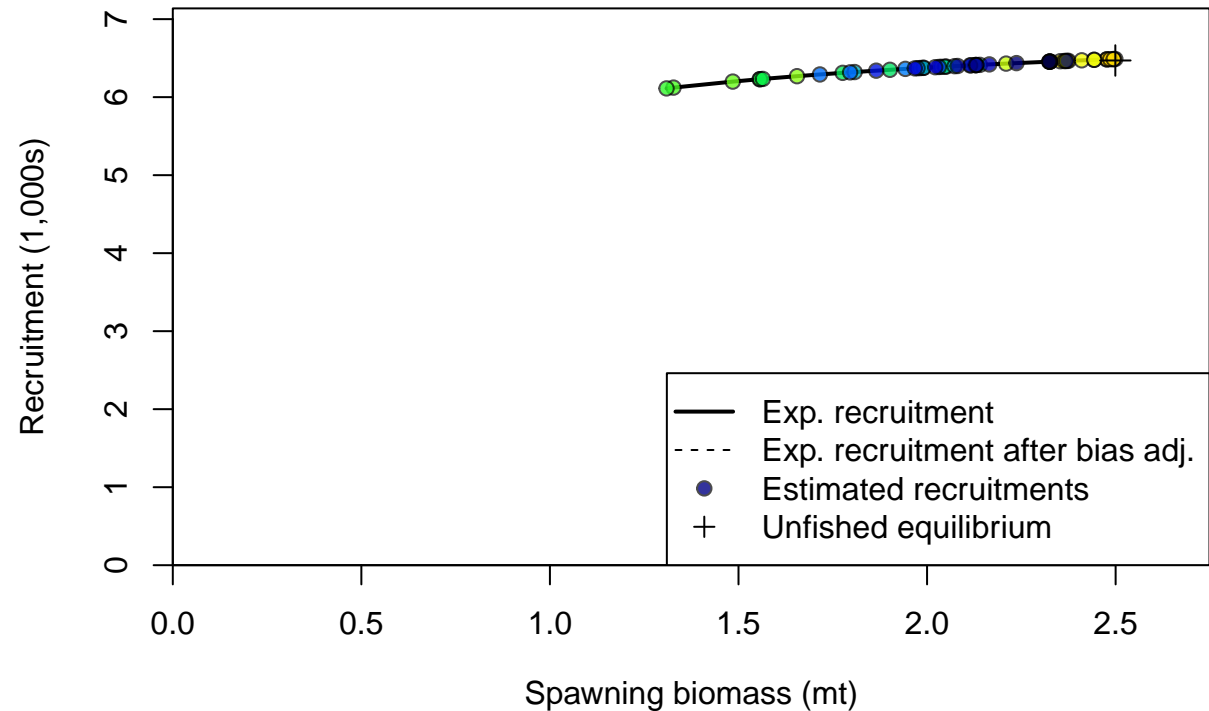




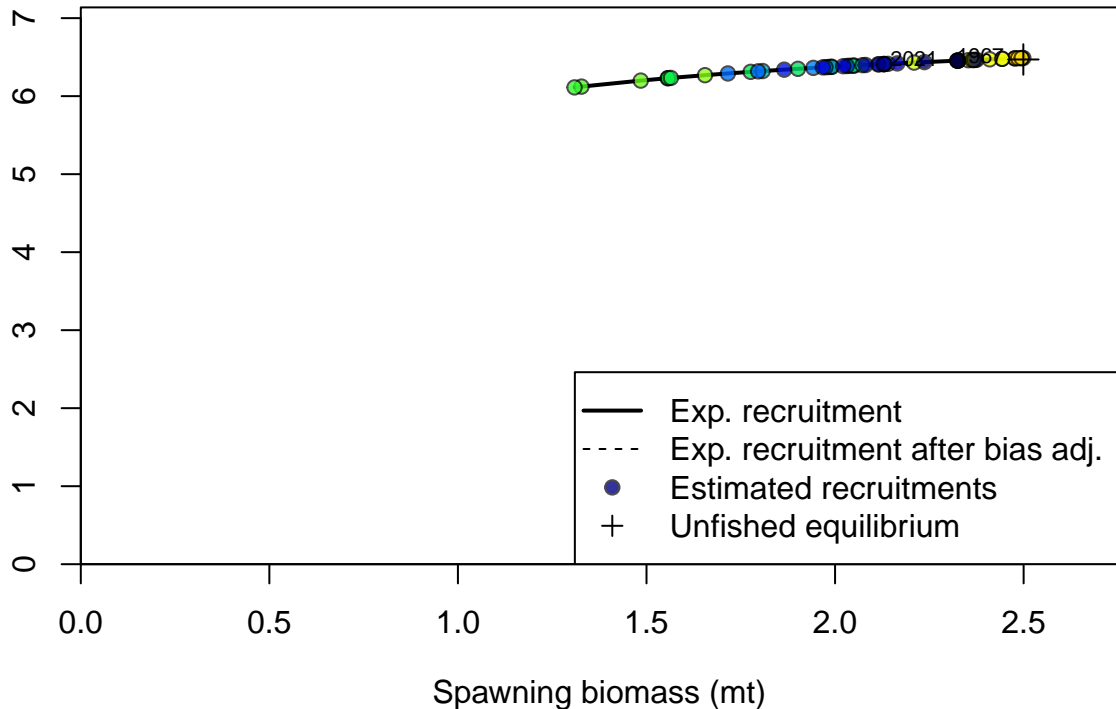
Summary Fishing Mortality

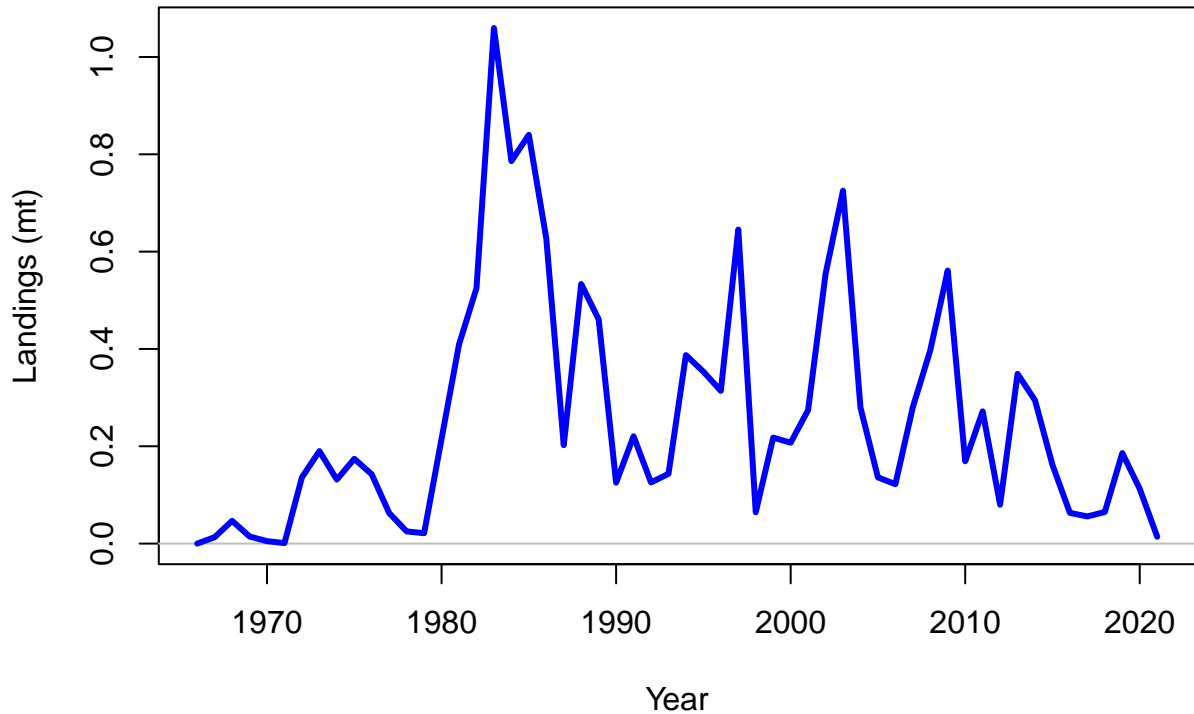


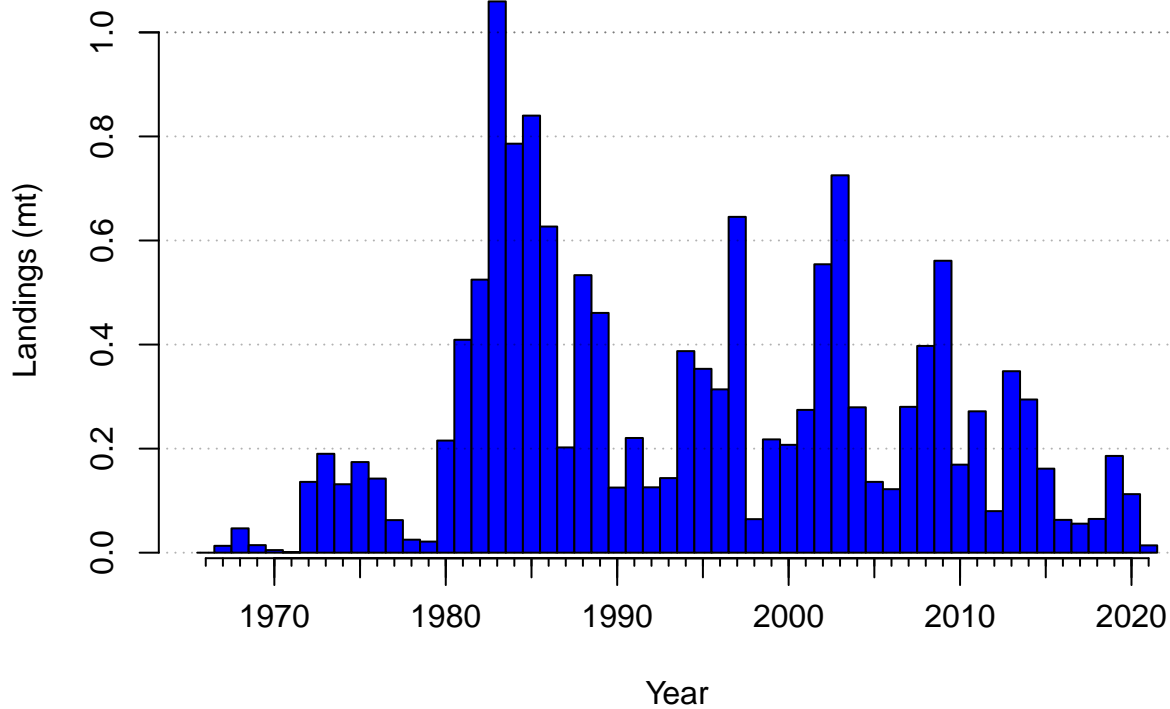


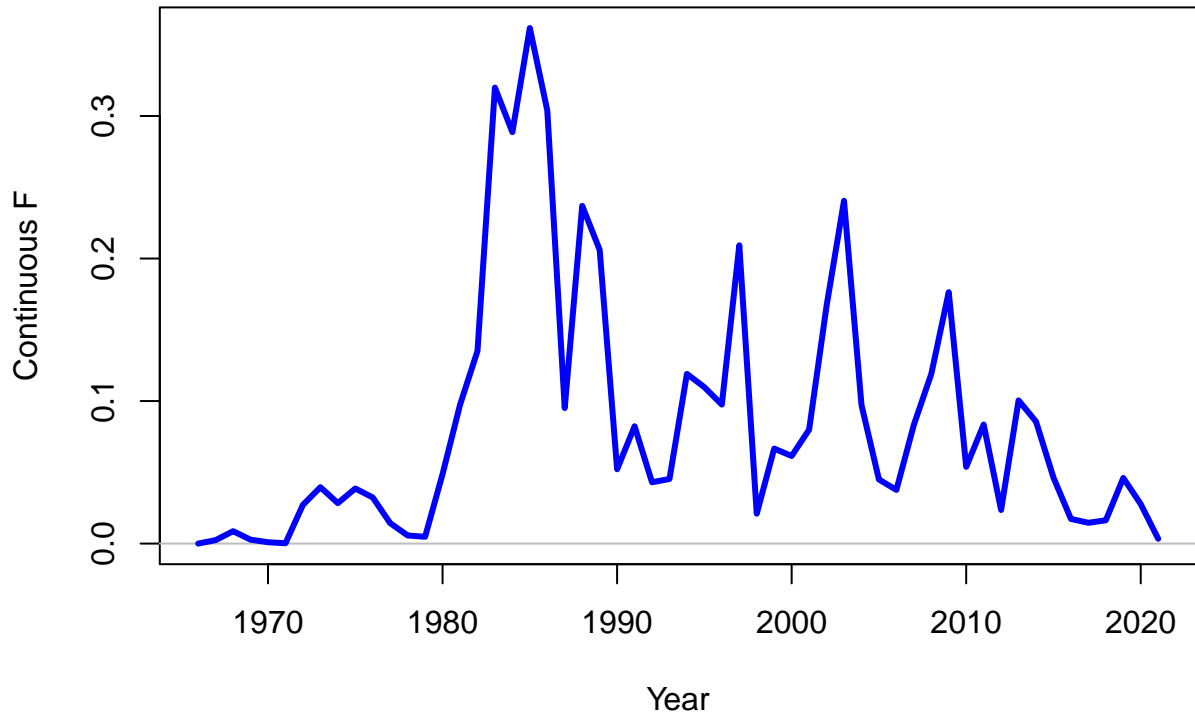


Recruitment (1,000s)

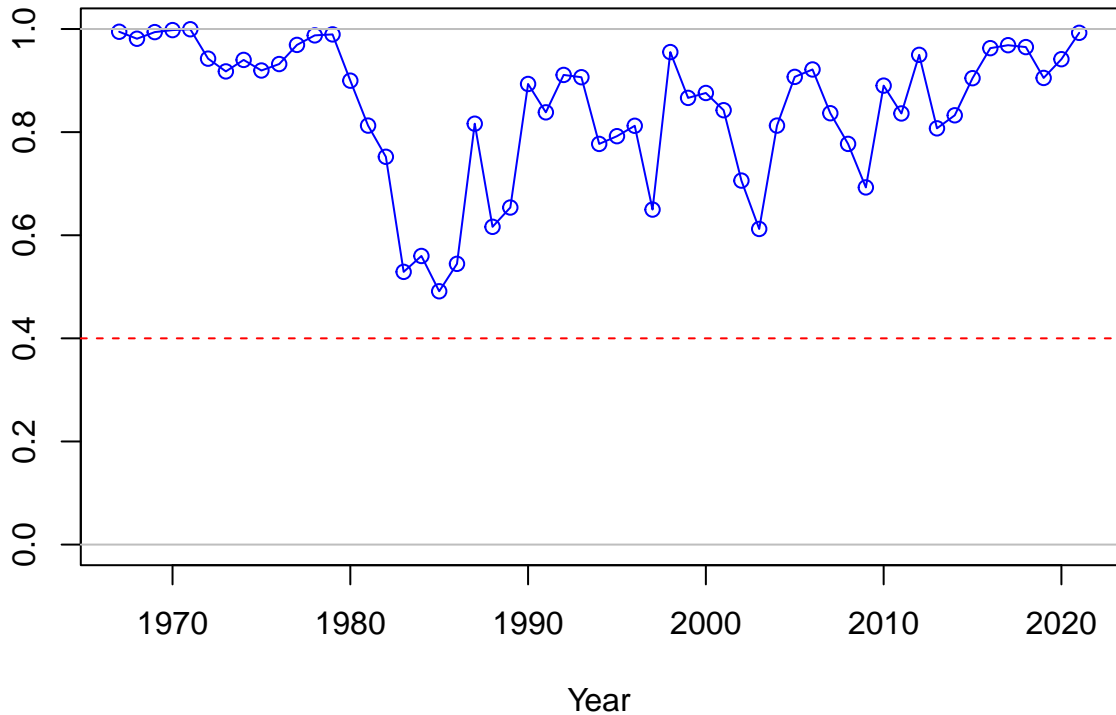




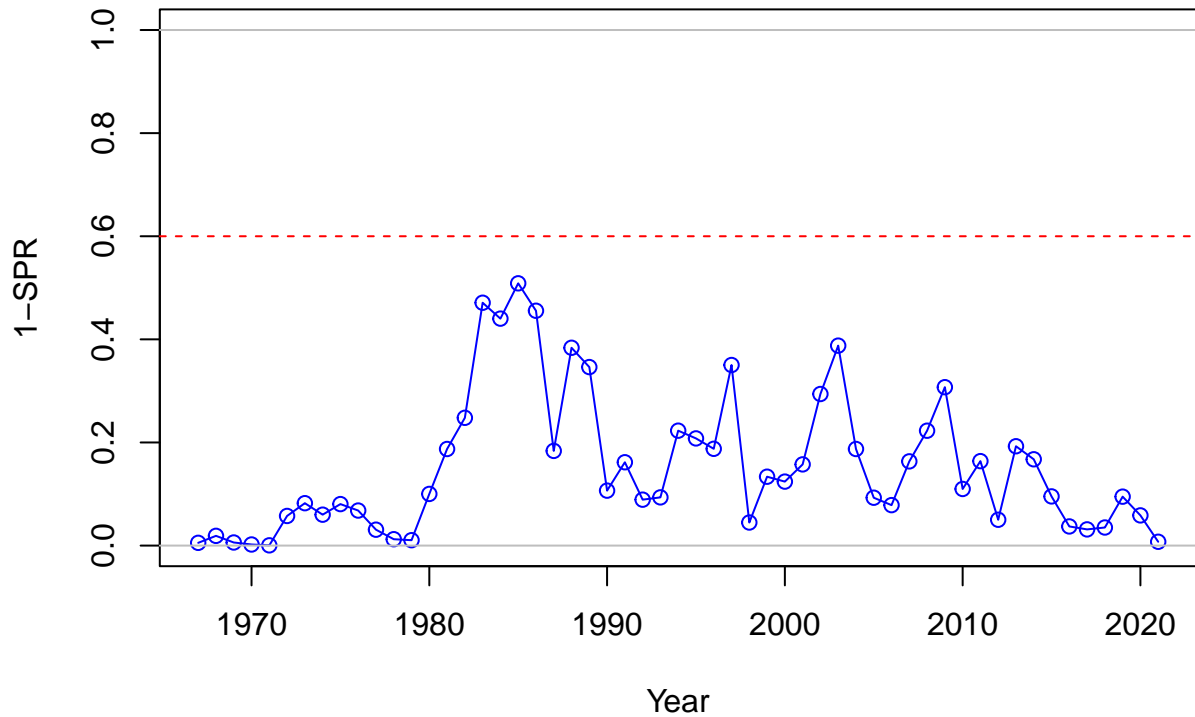




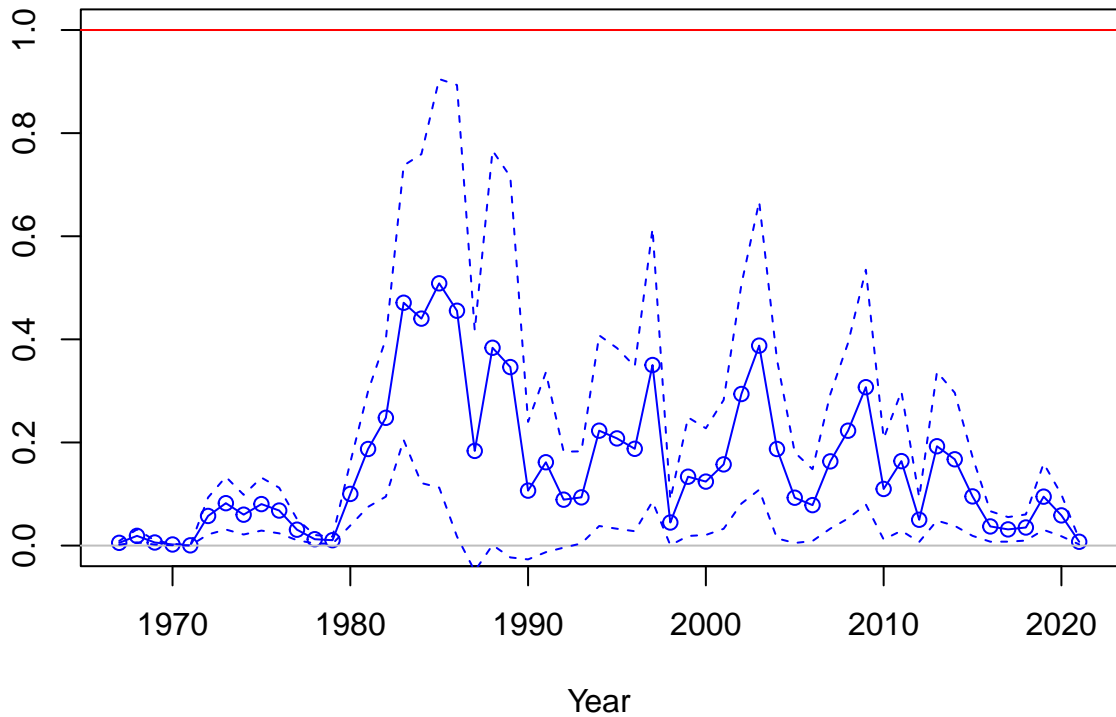
SPR



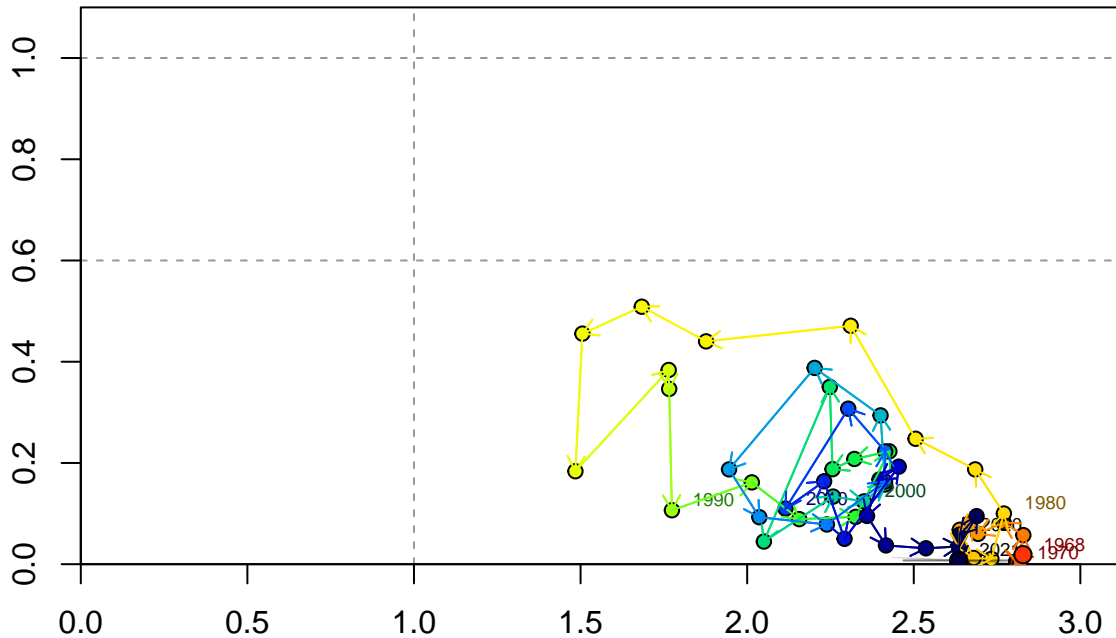




Fishing intensity: 1-SPR

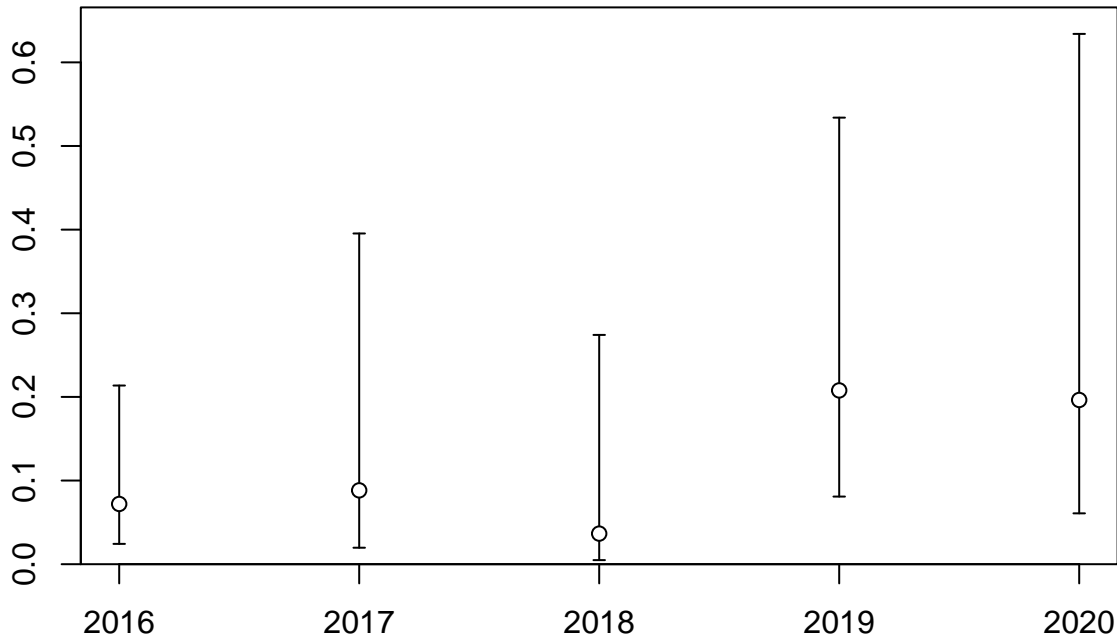


Fishing intensity: 1-SPR



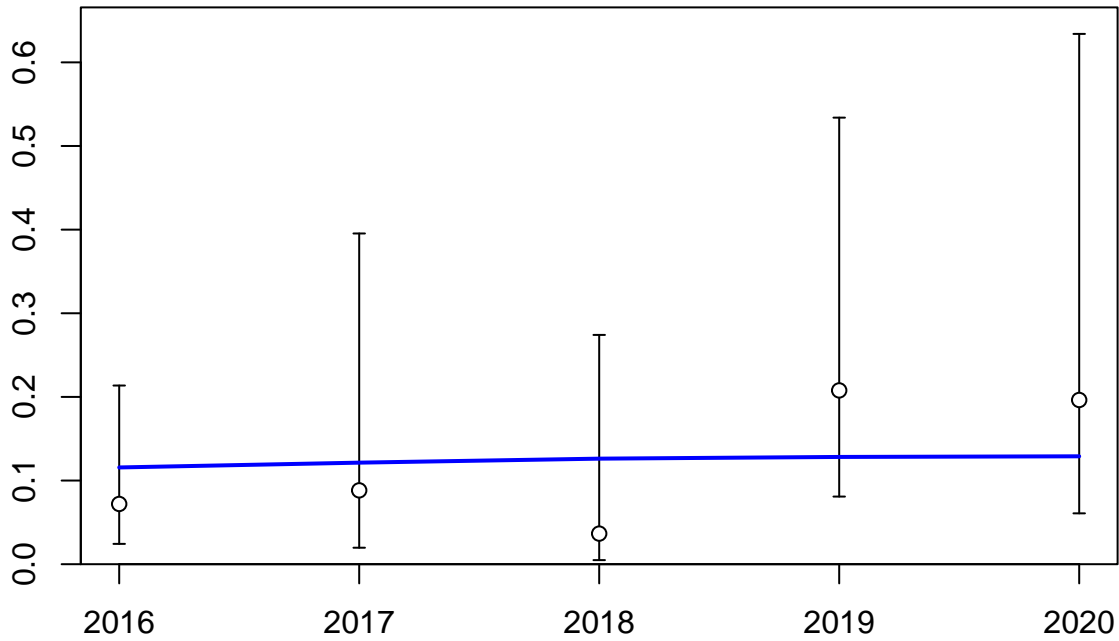
Relative spawning output:  $B/B_{MSY}$

Index

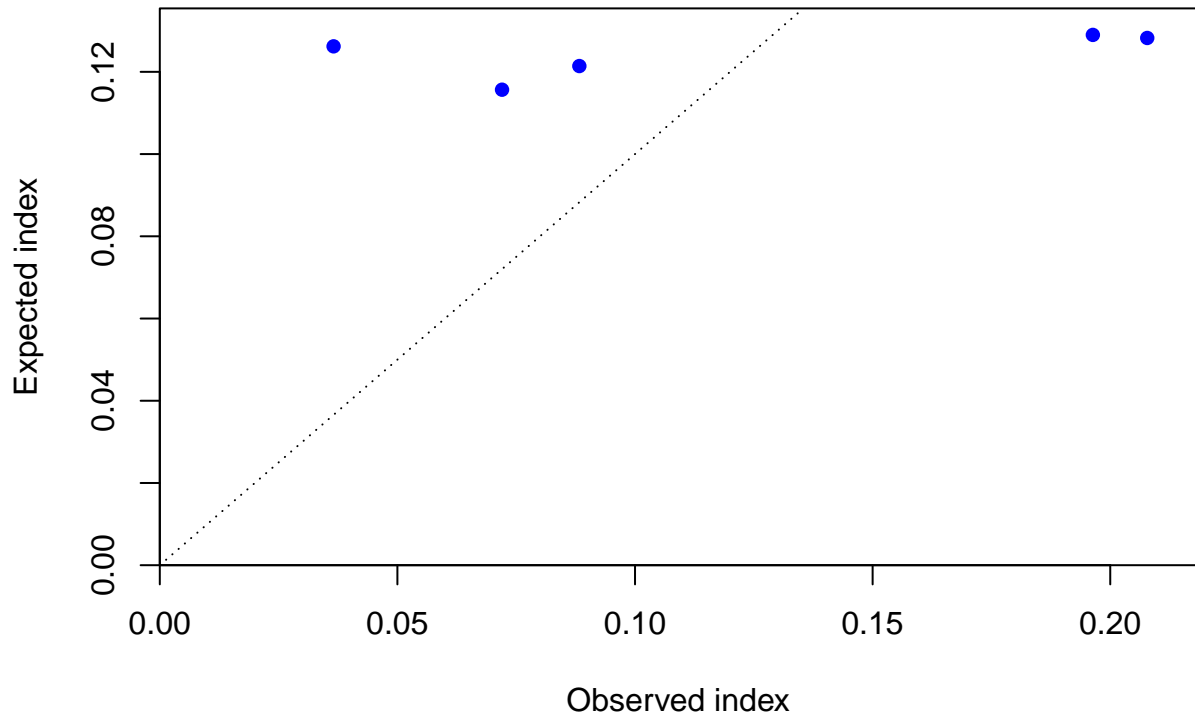


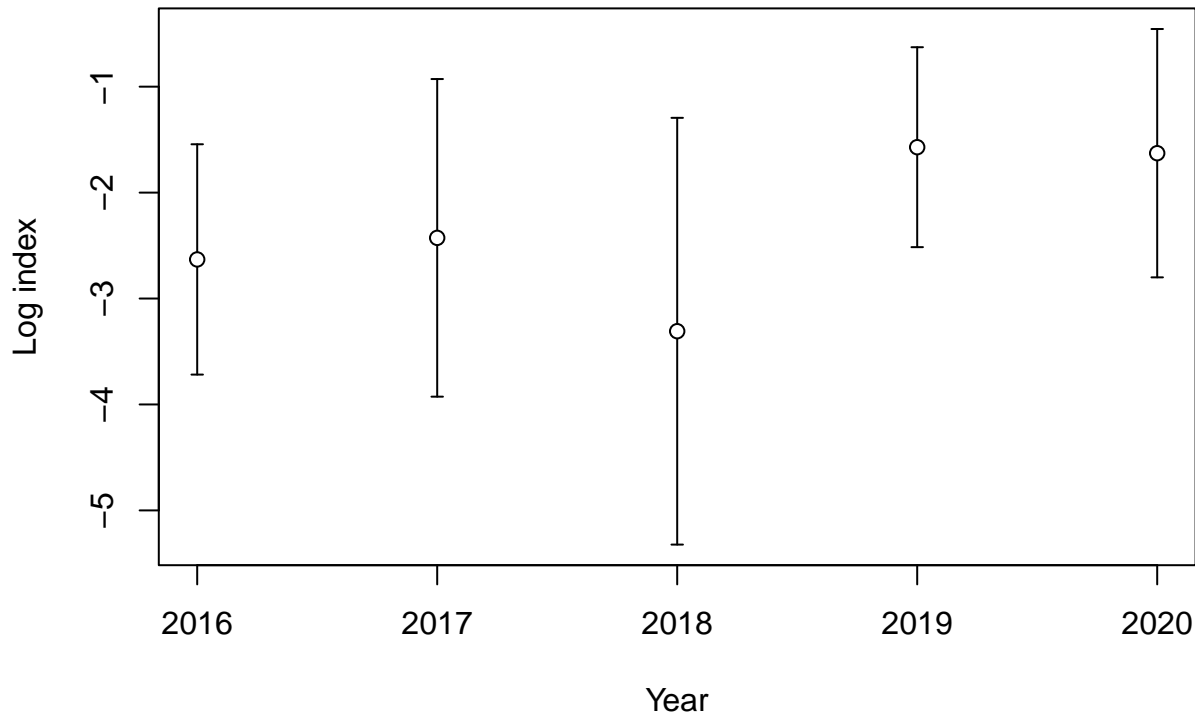
Year

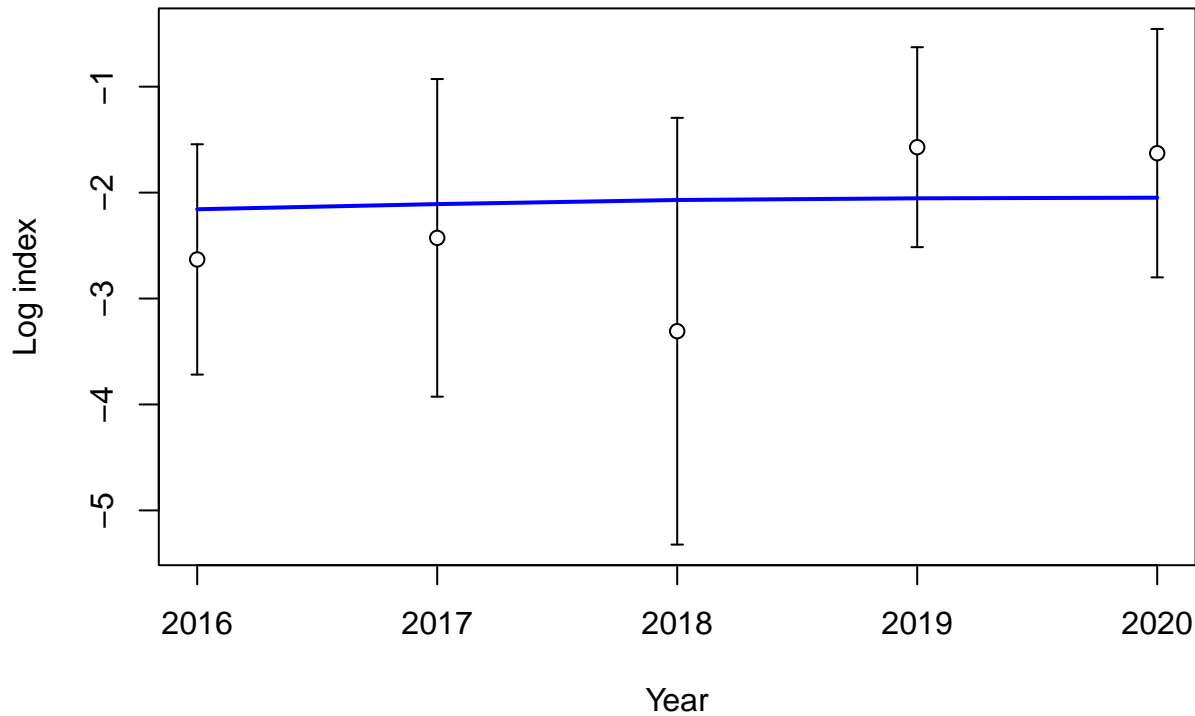
Index



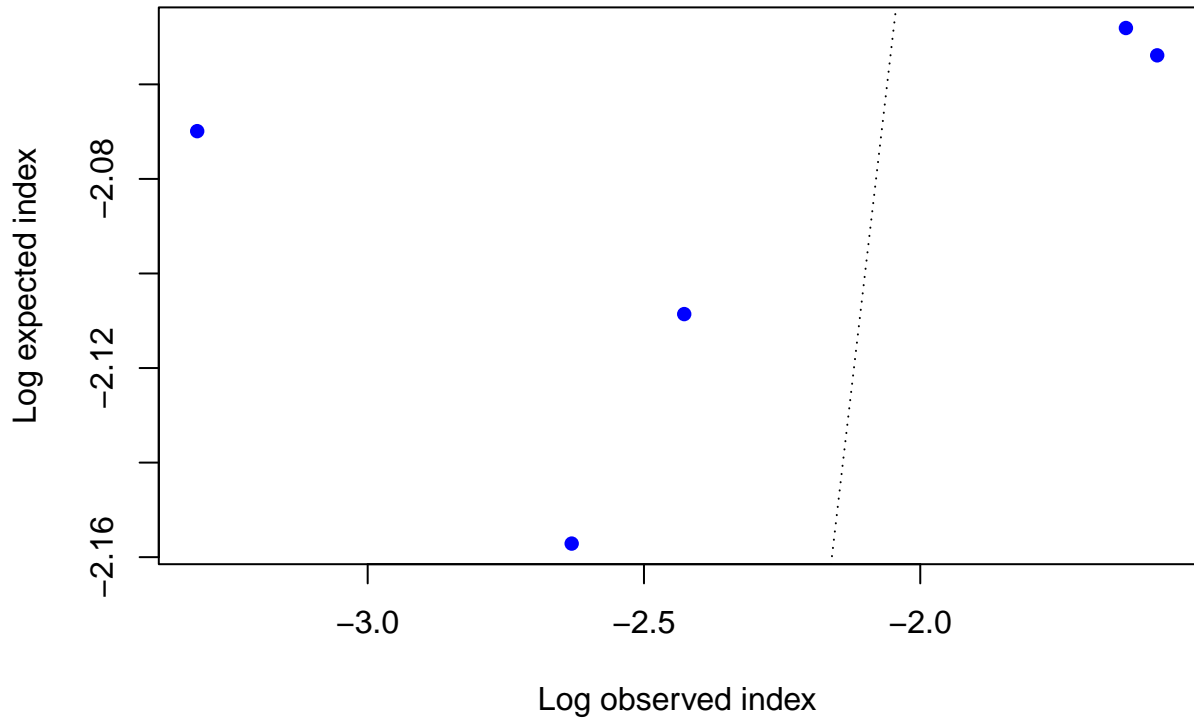
Year

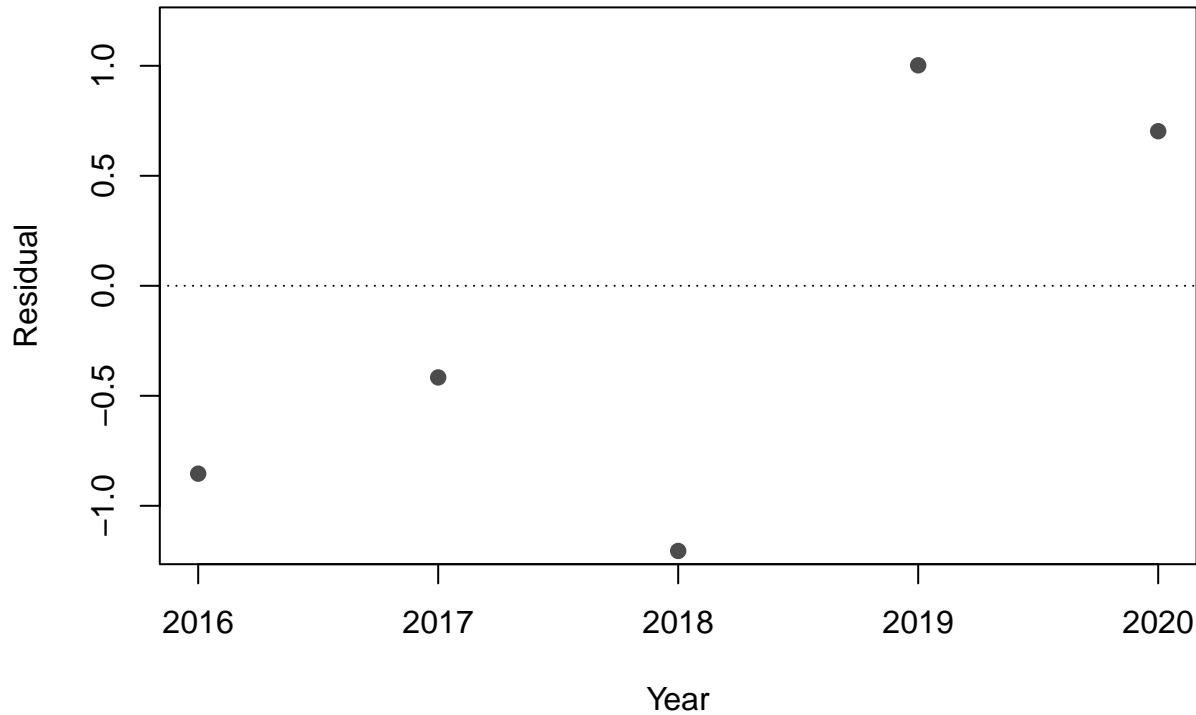


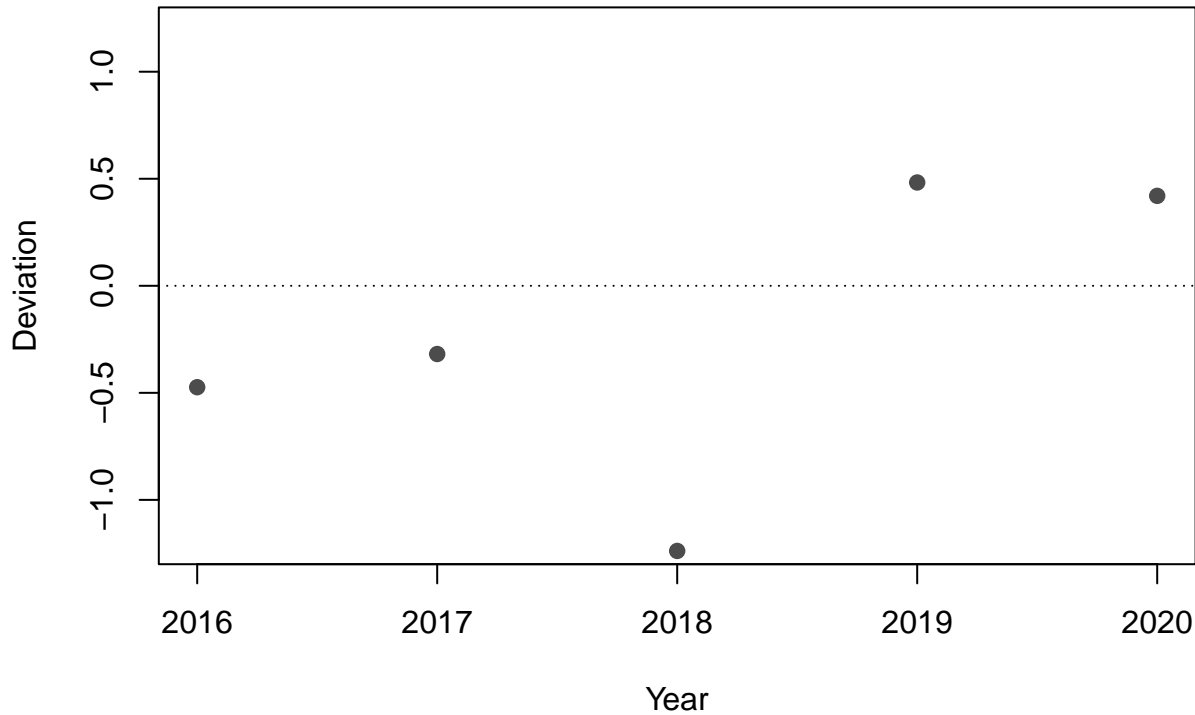


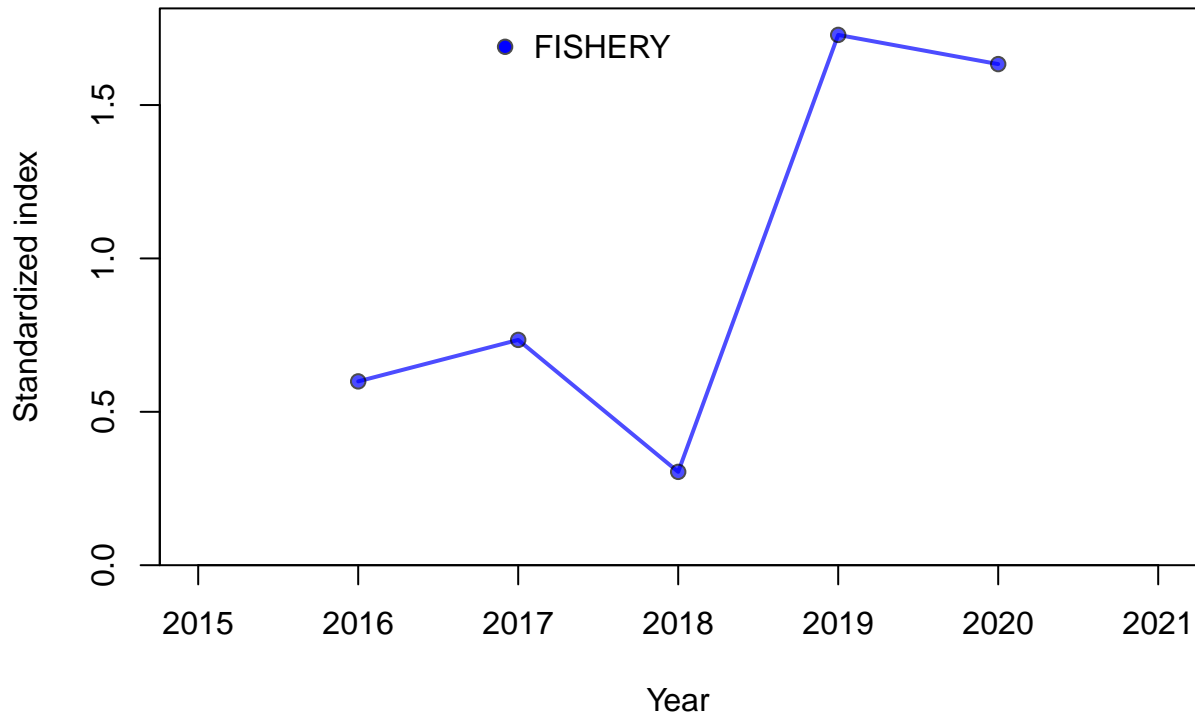


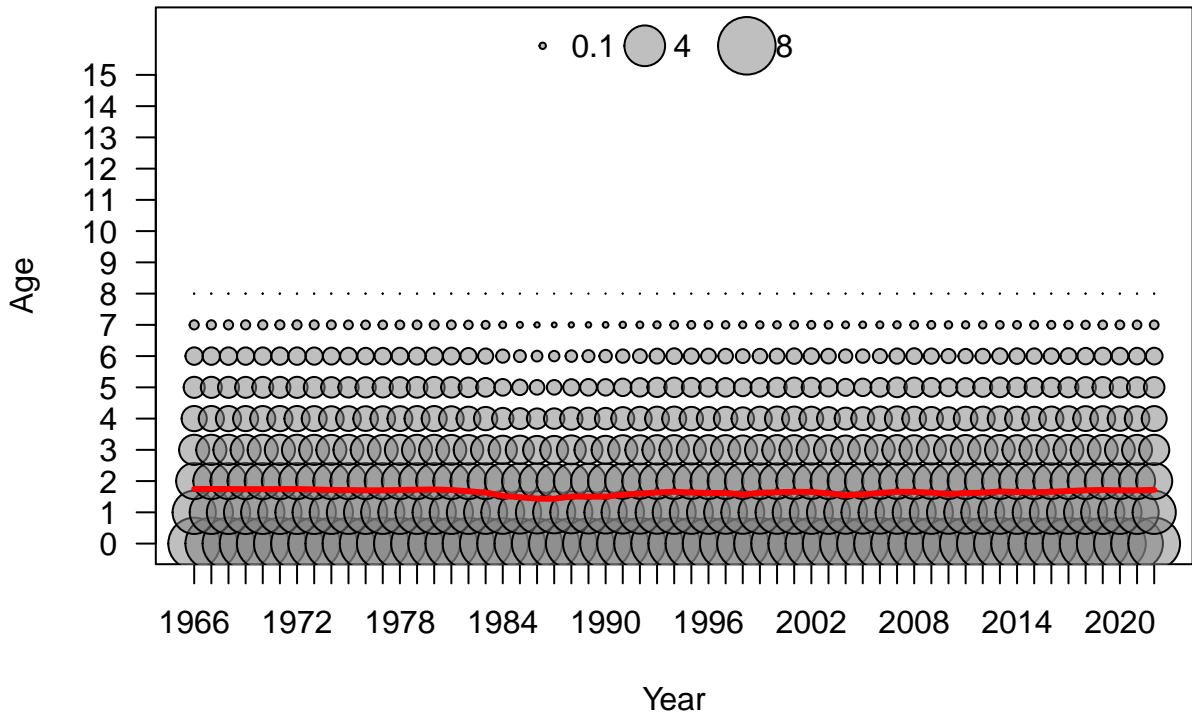


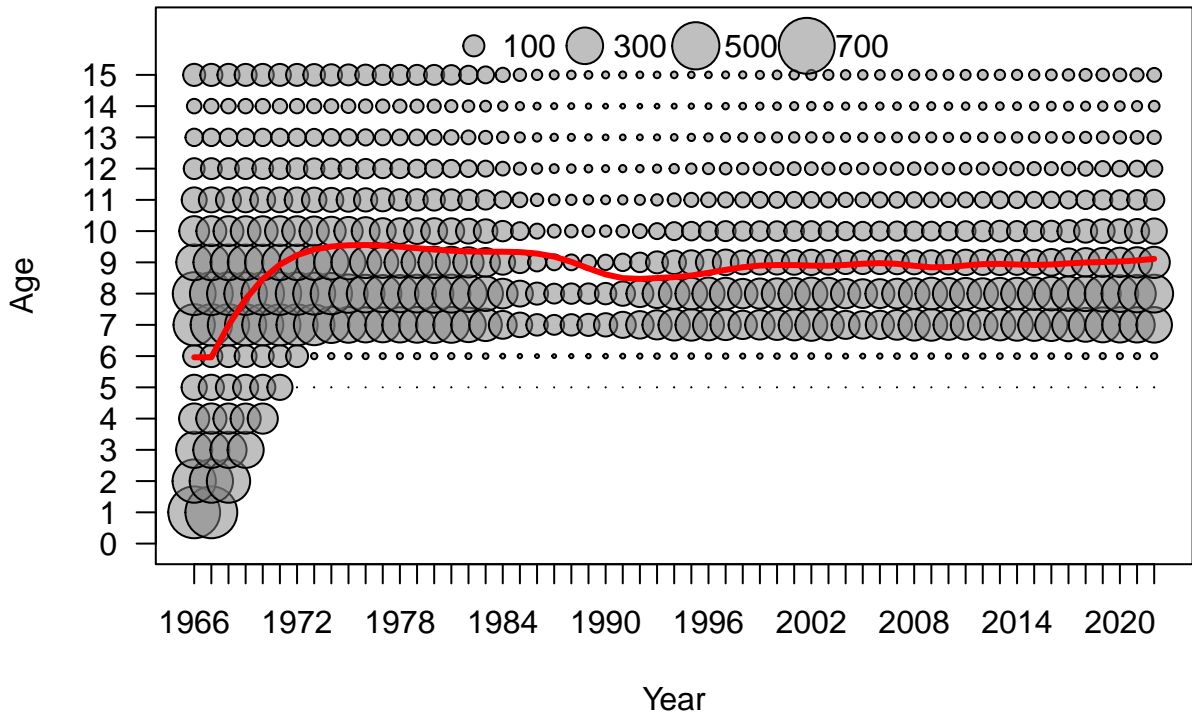


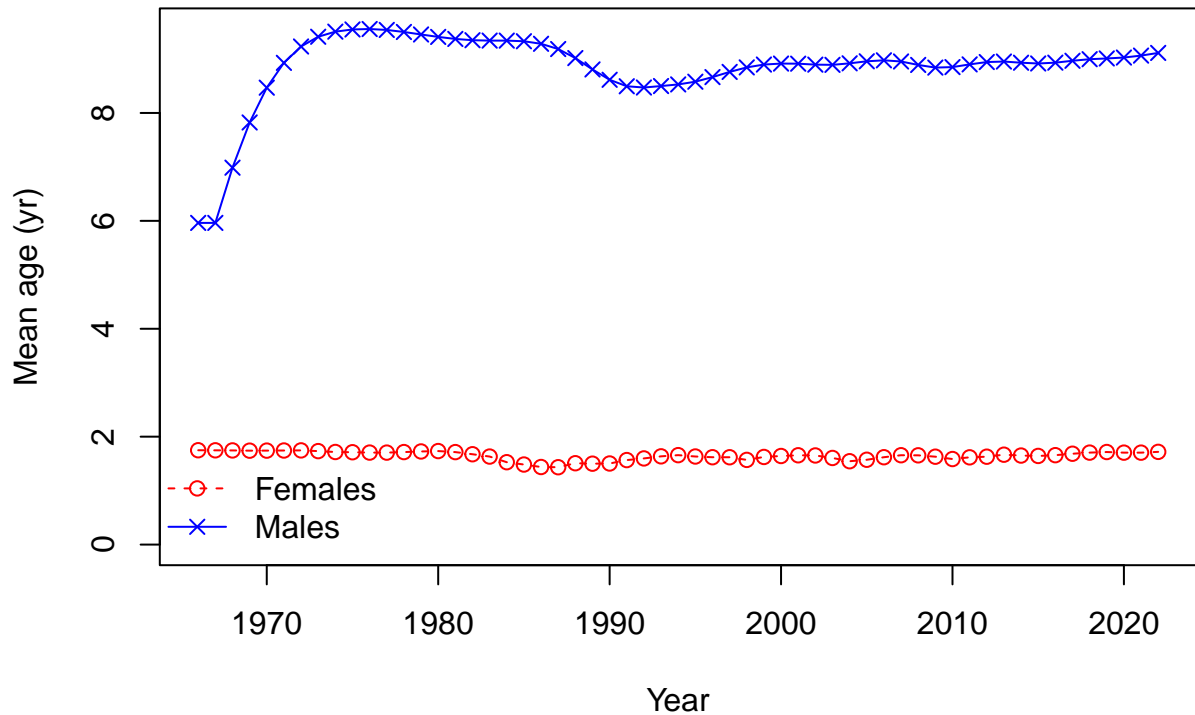




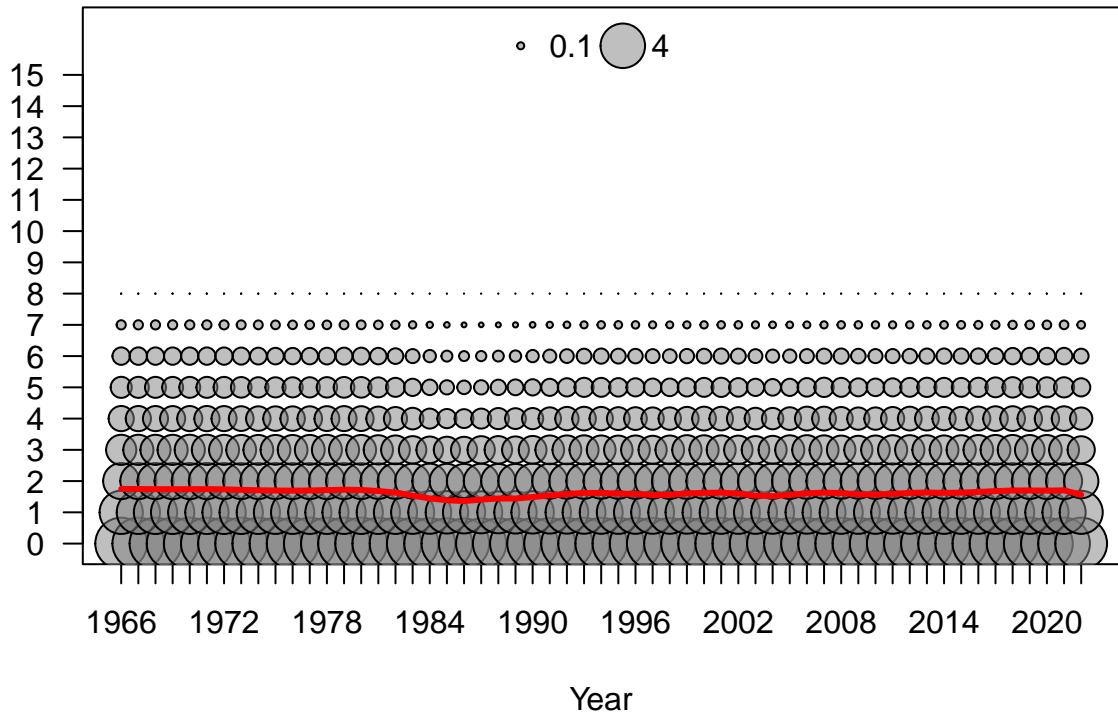




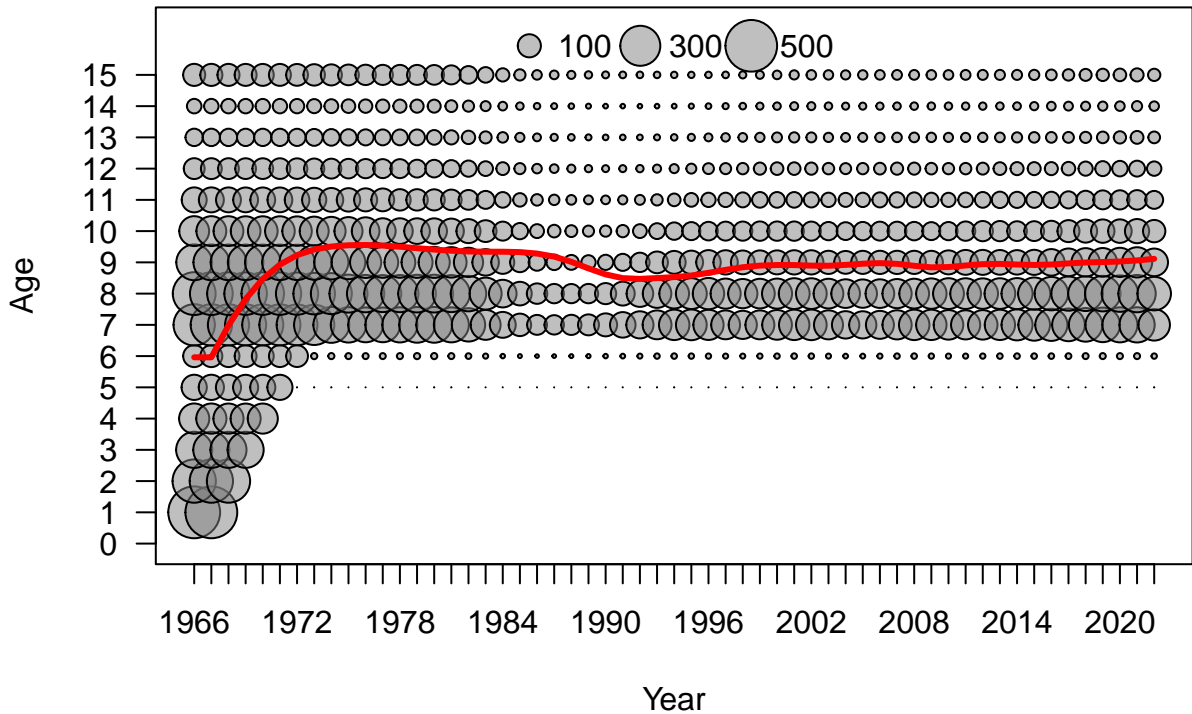


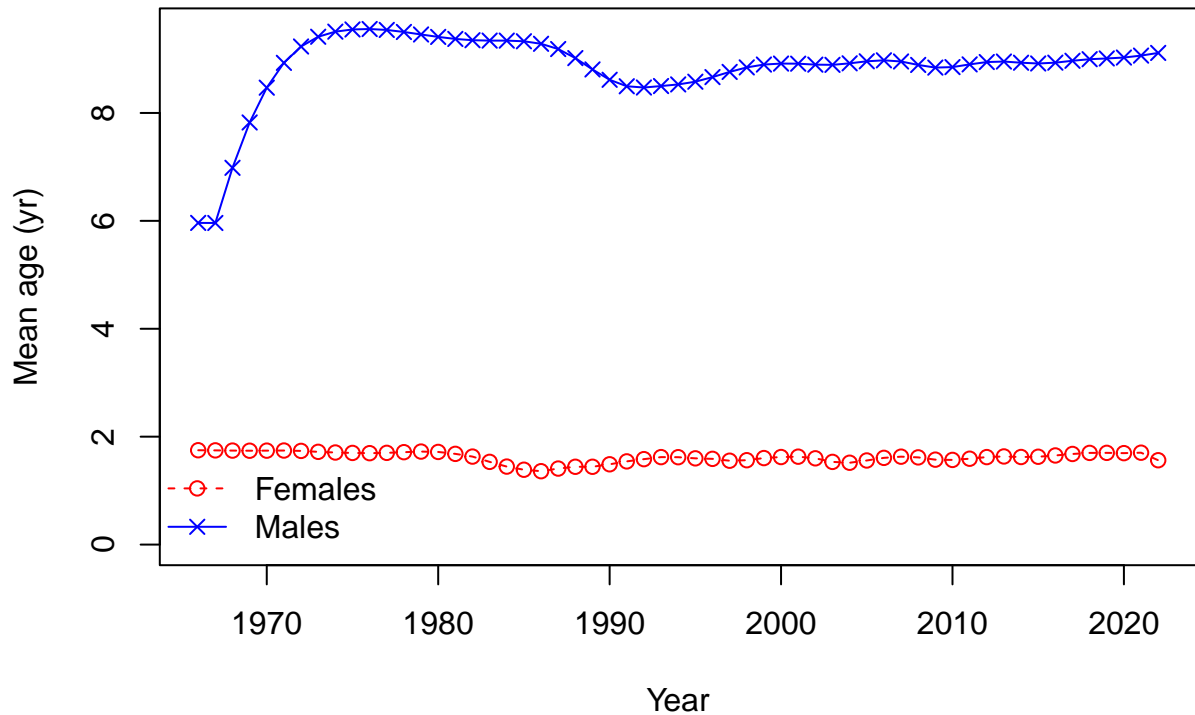


Age

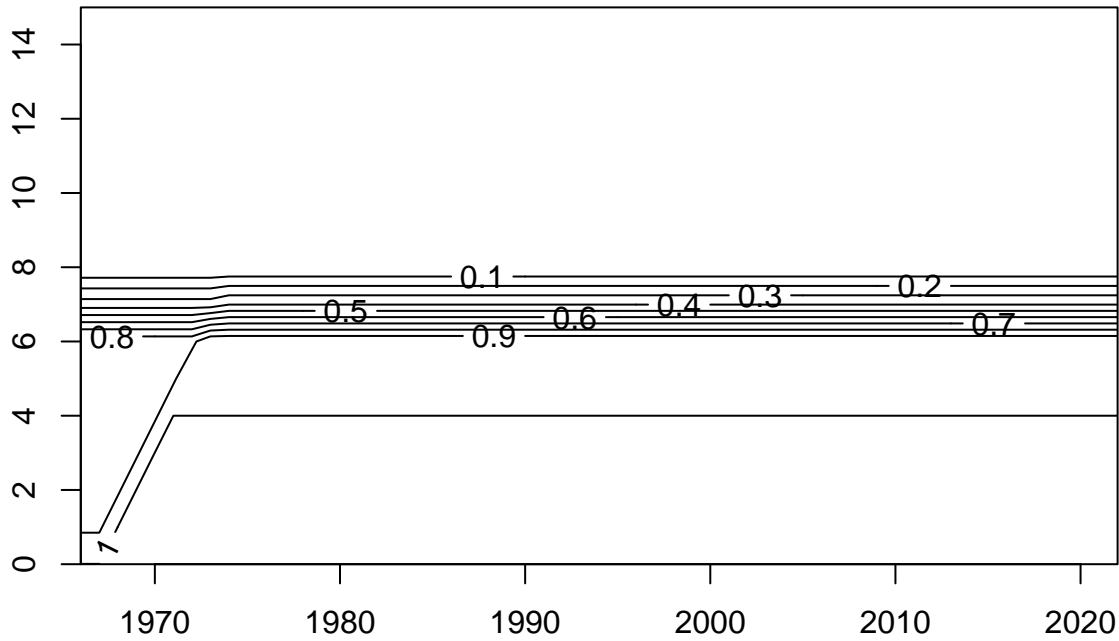




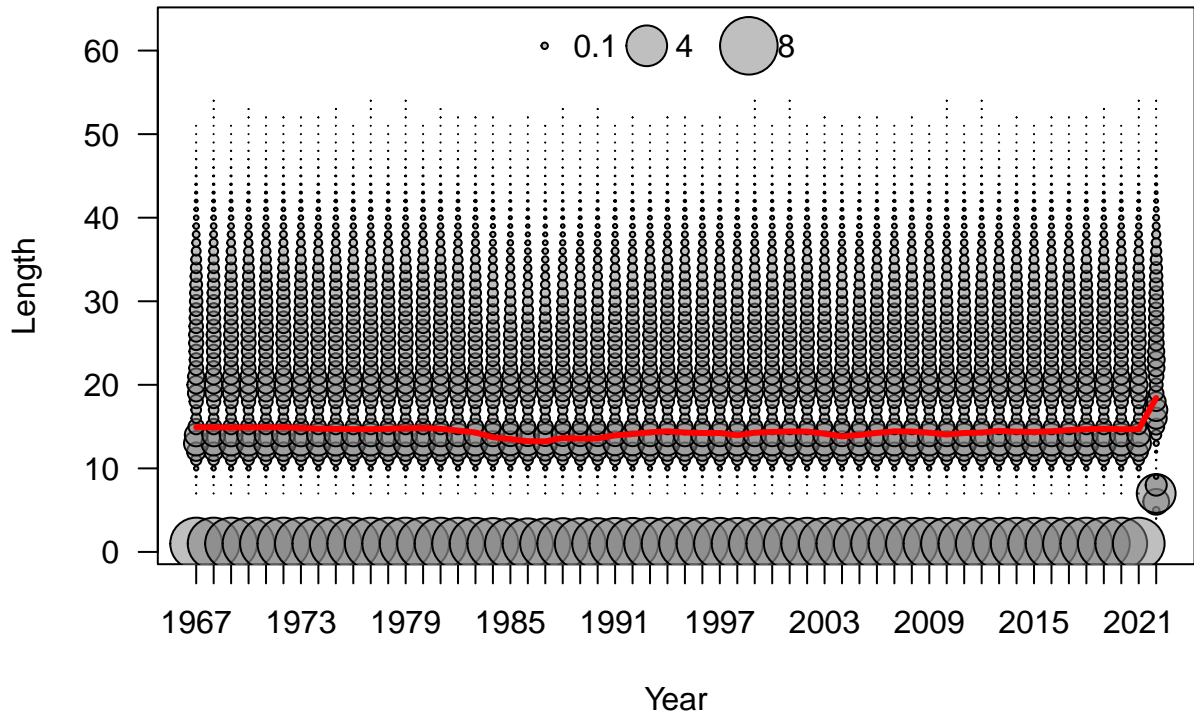


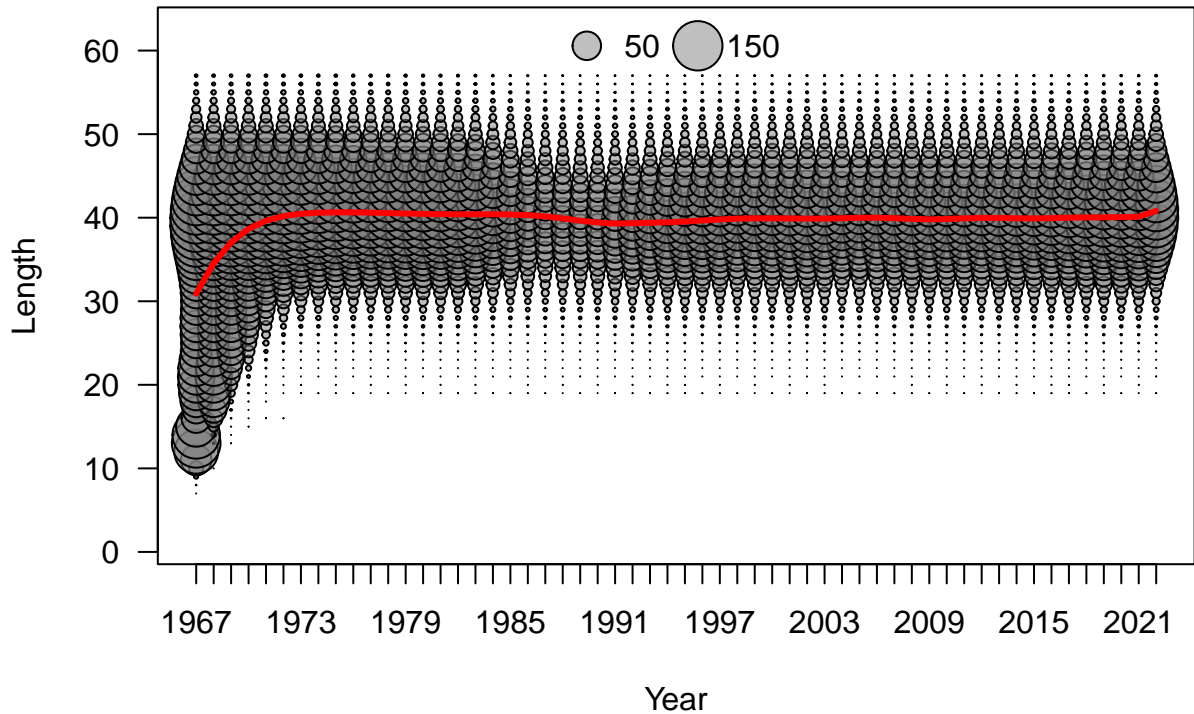


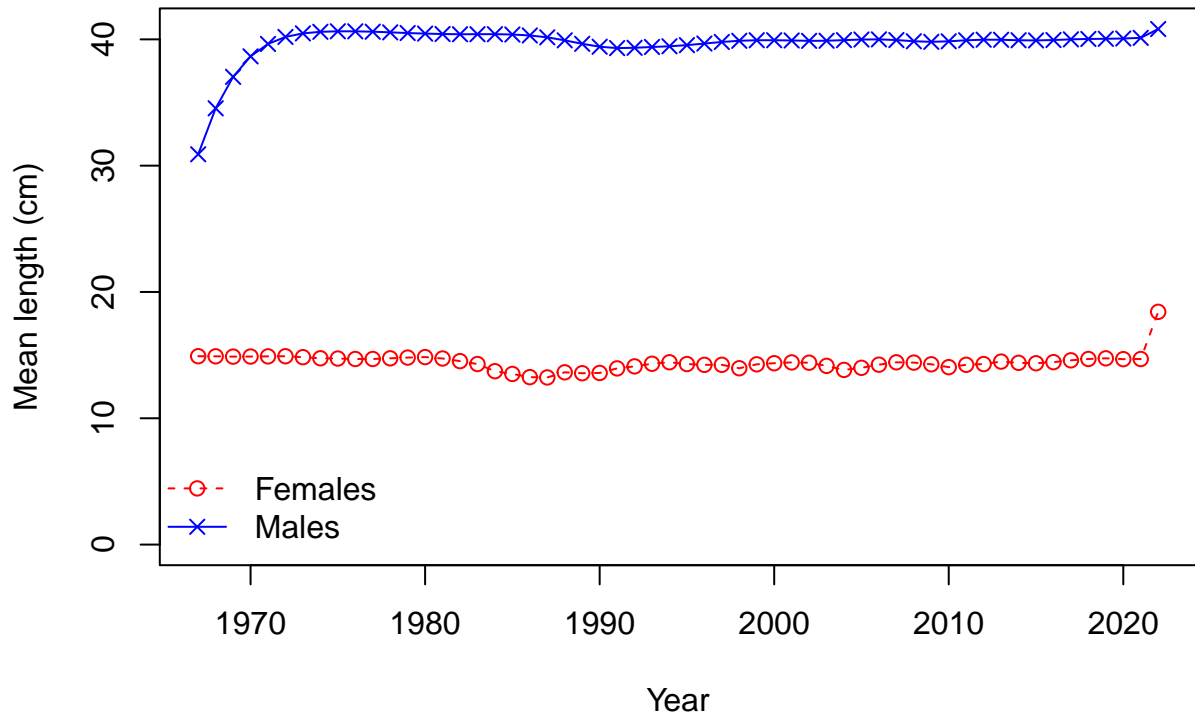
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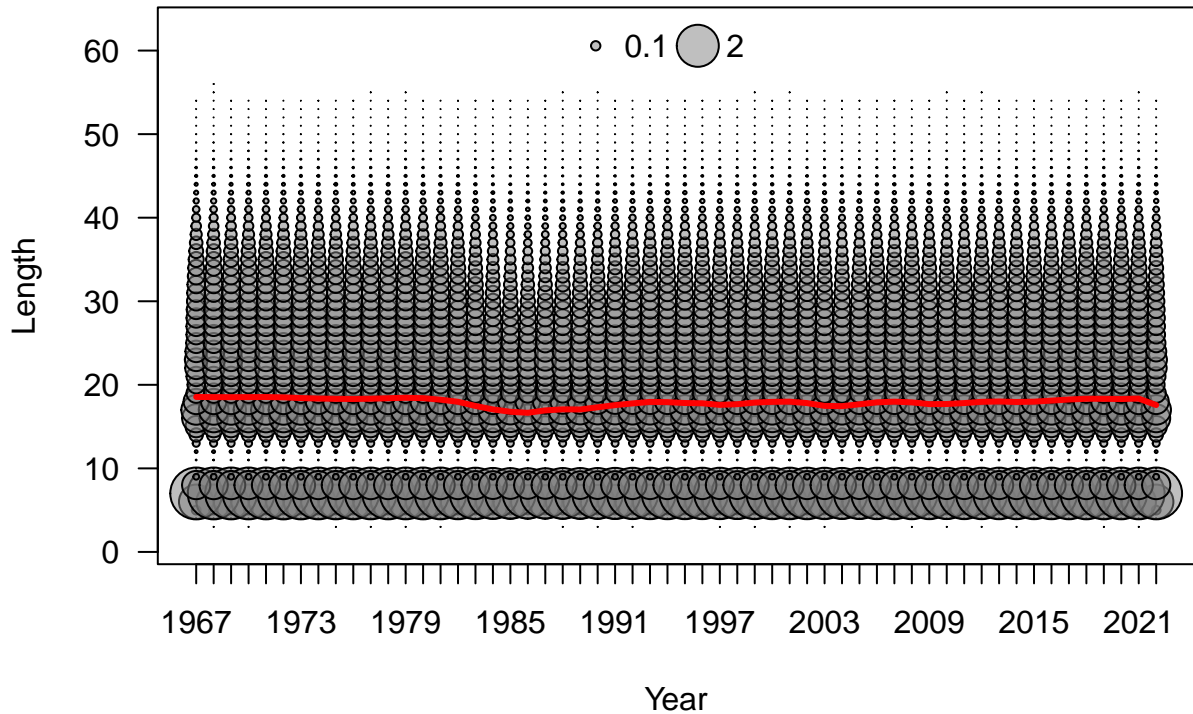


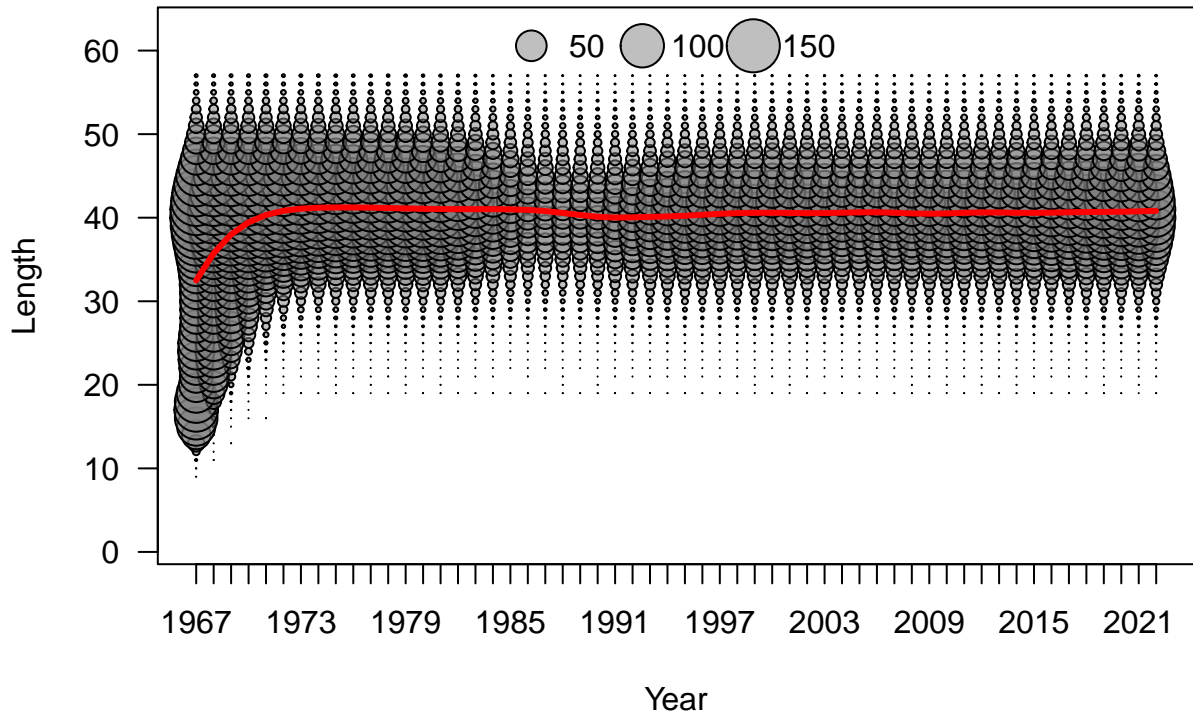
Year



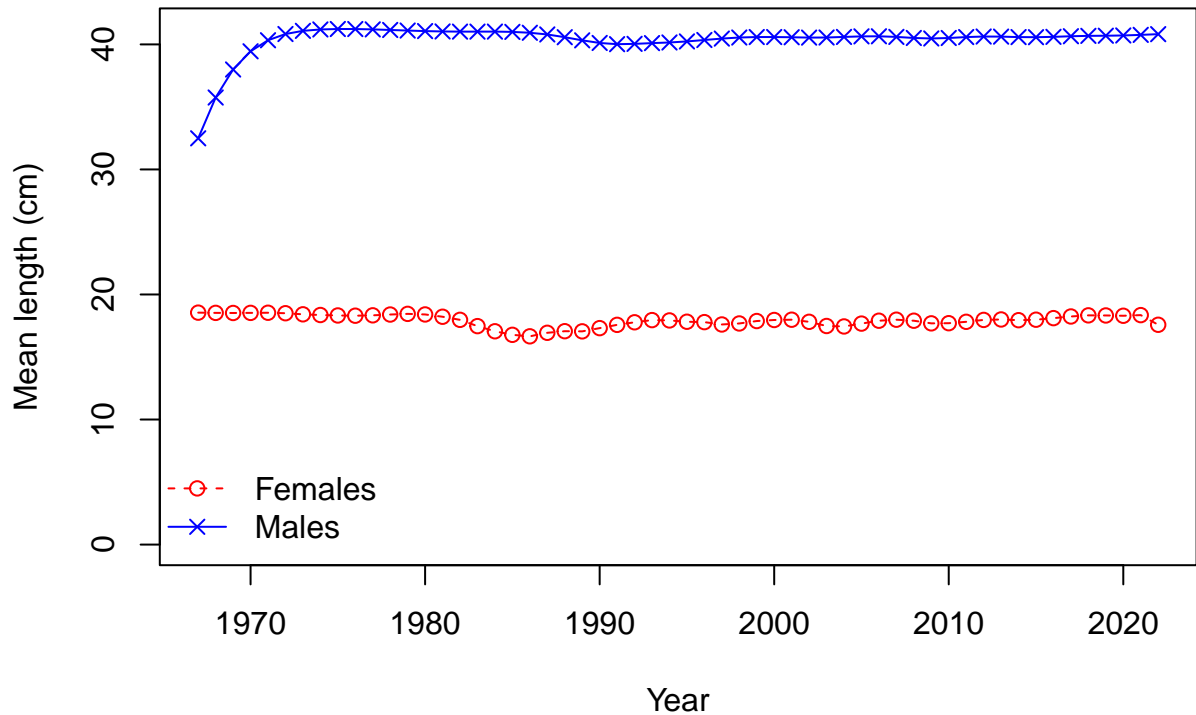


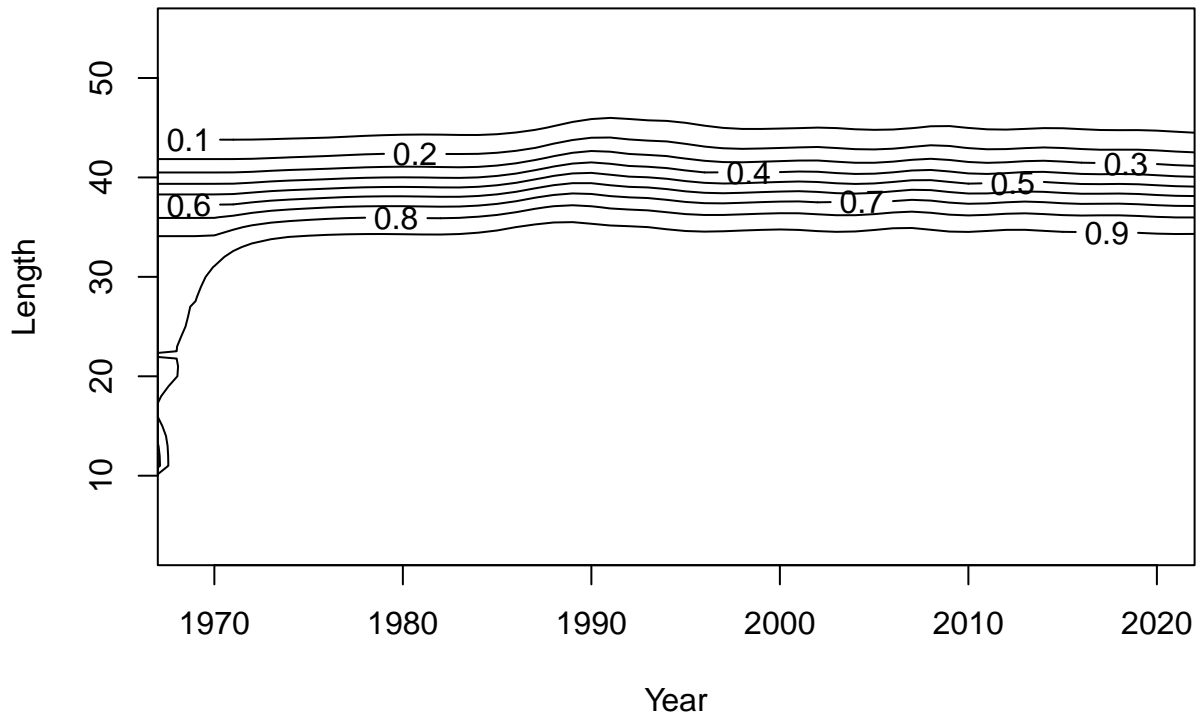


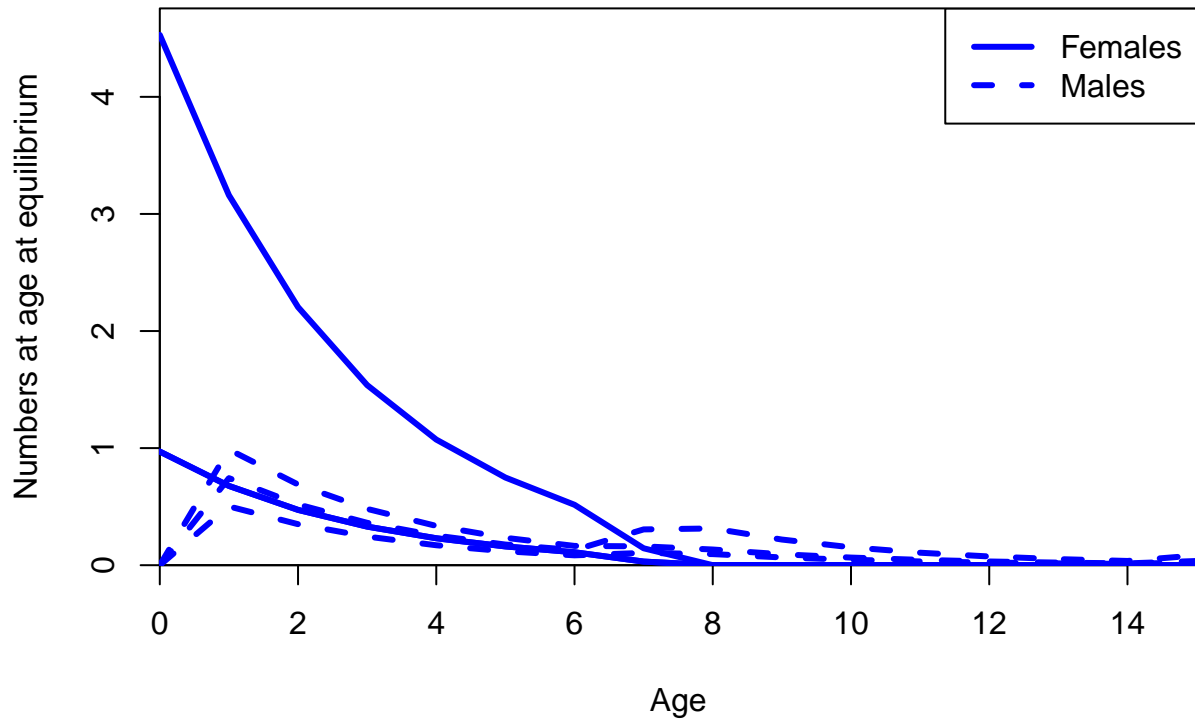


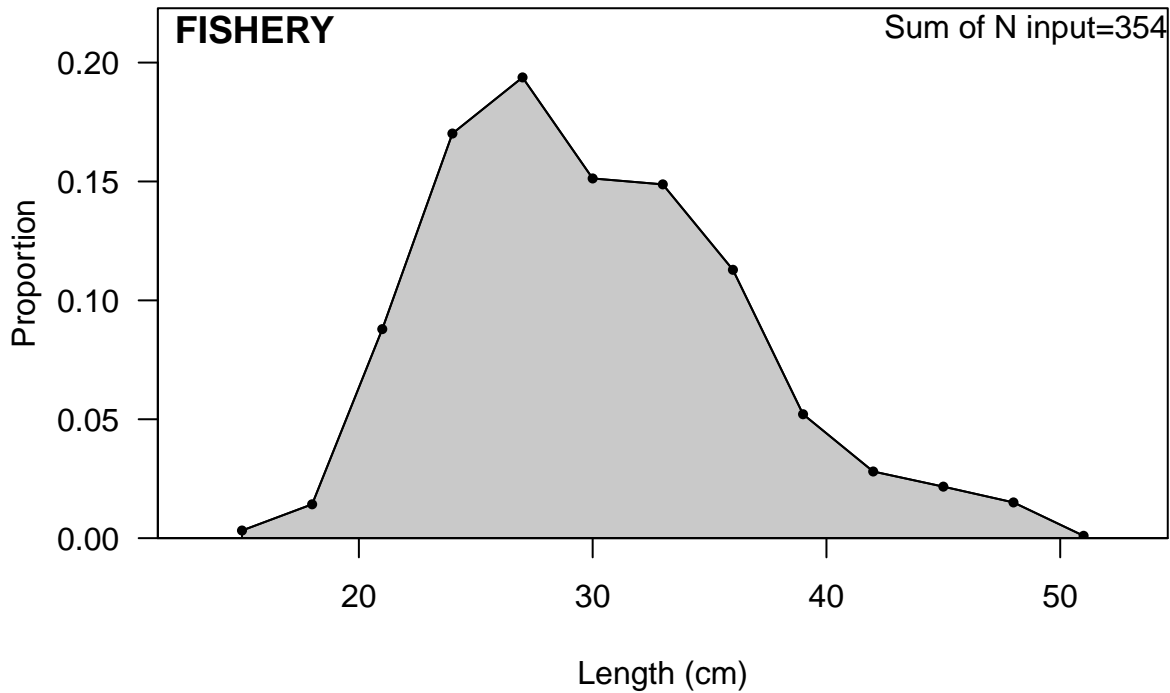


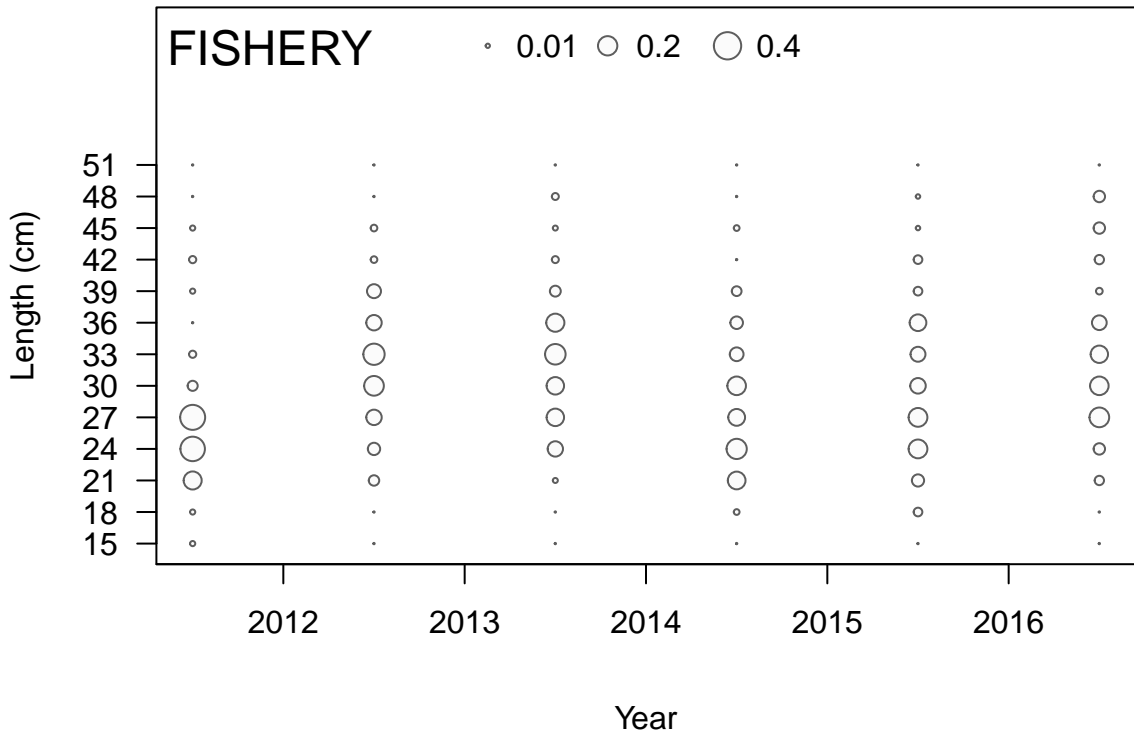




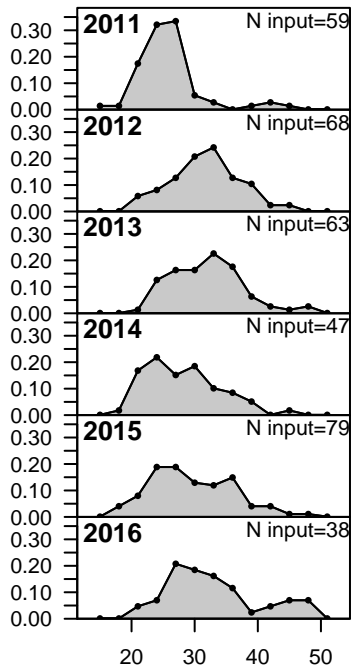




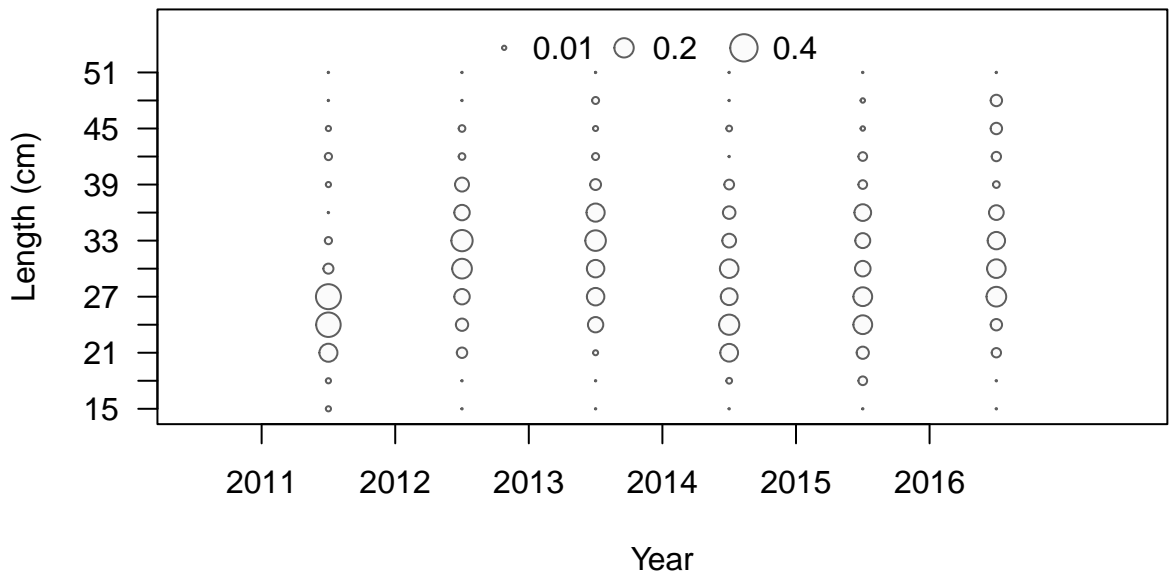




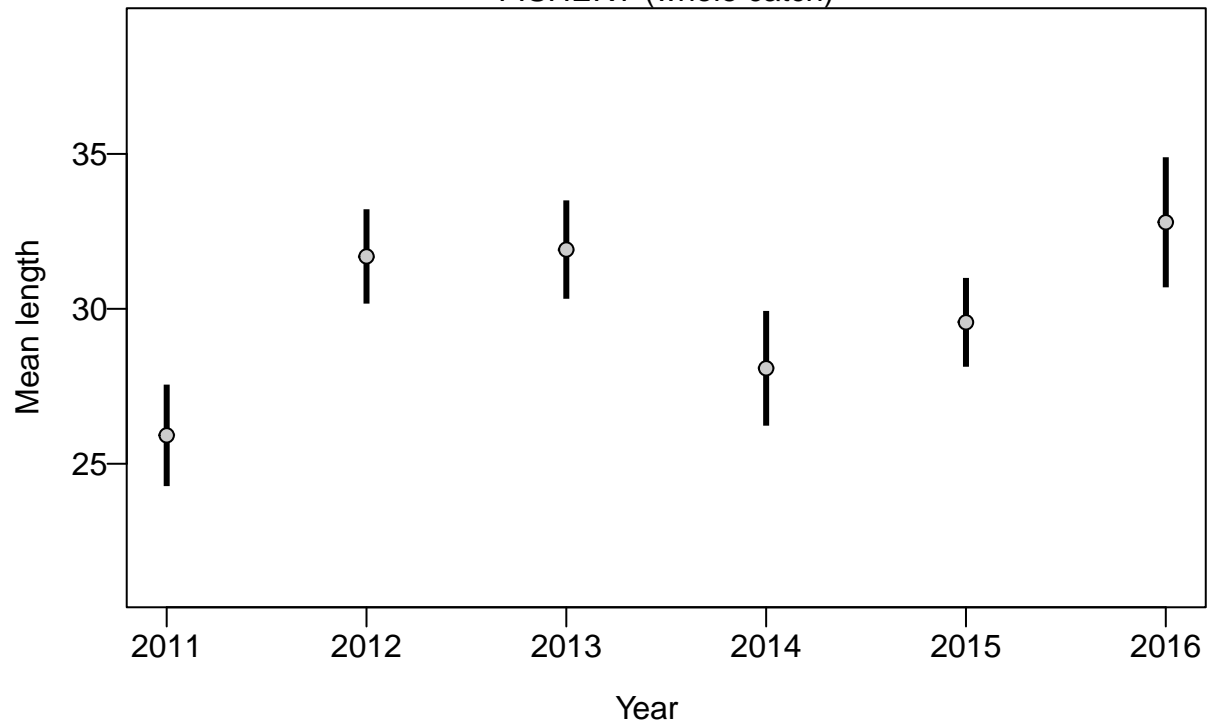
Proportion



Length (cm)



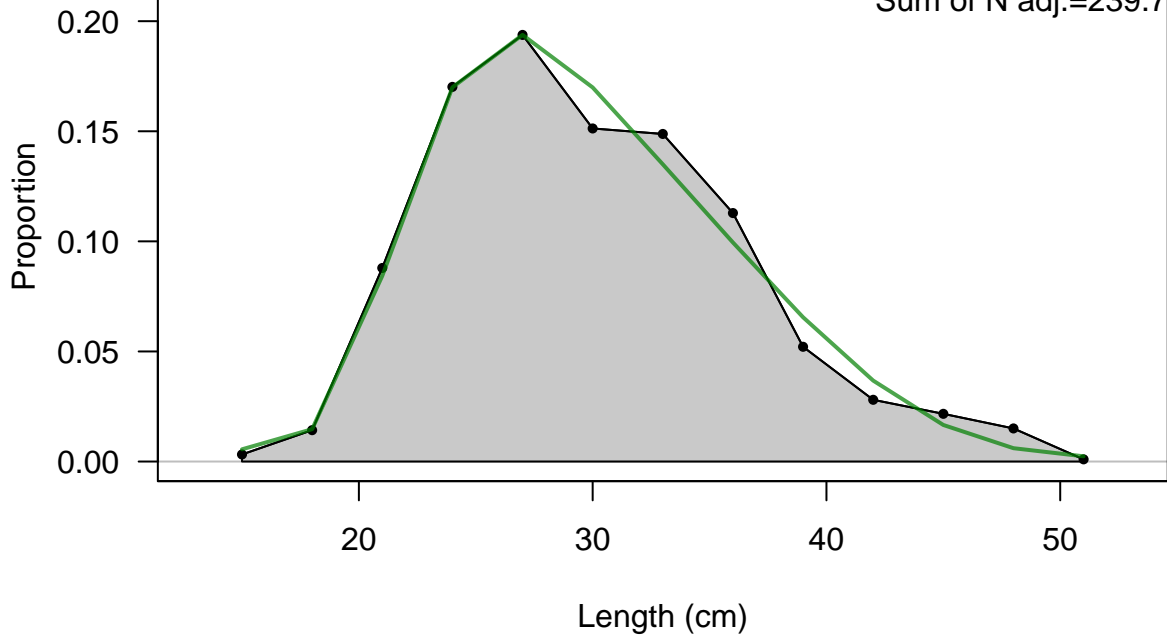
FISHERY (whole catch)

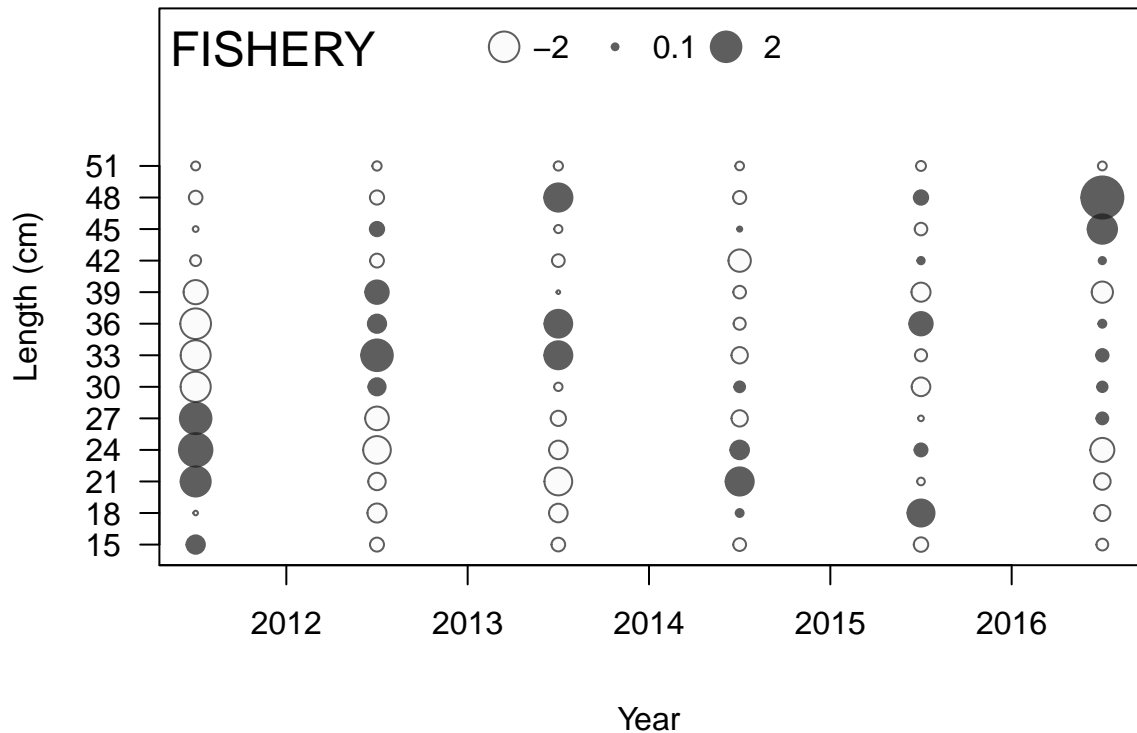




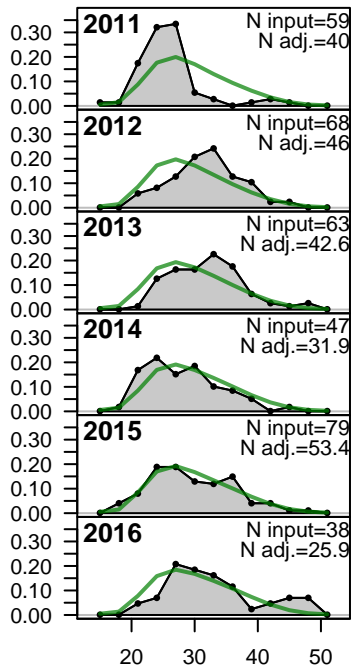
# FISHERY

Sum of N input=354  
Sum of N adj.=239.7

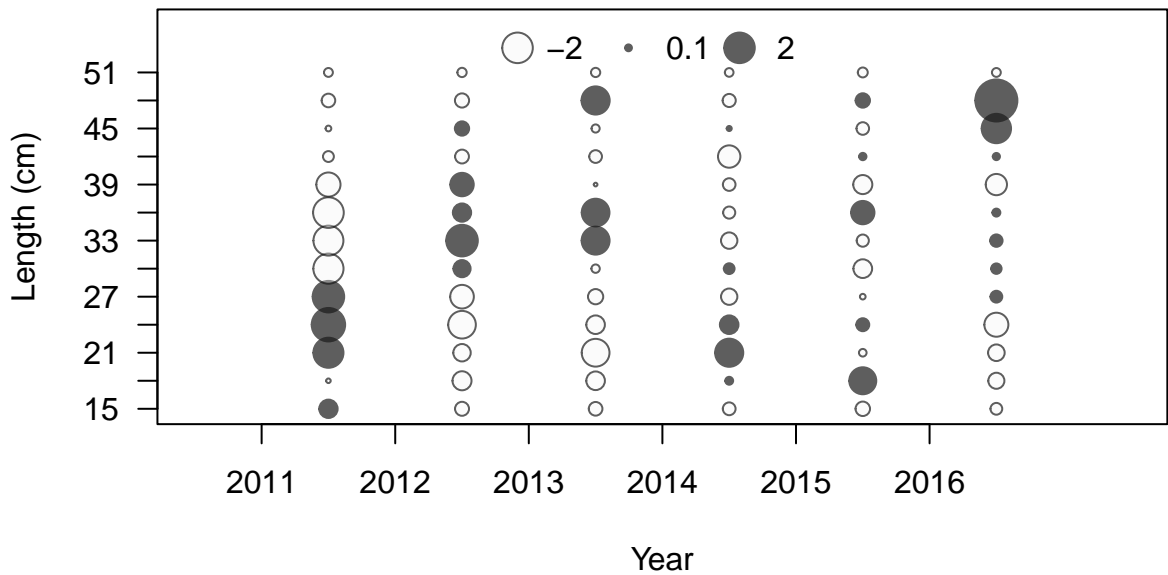




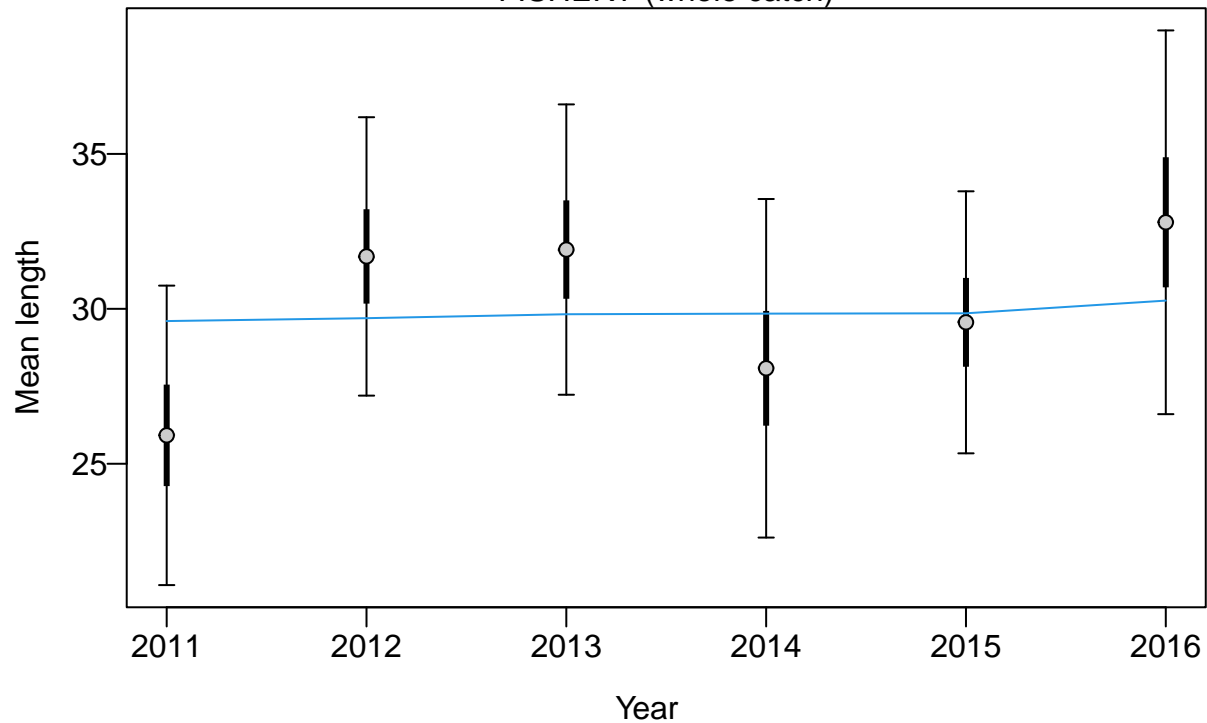
Proportion

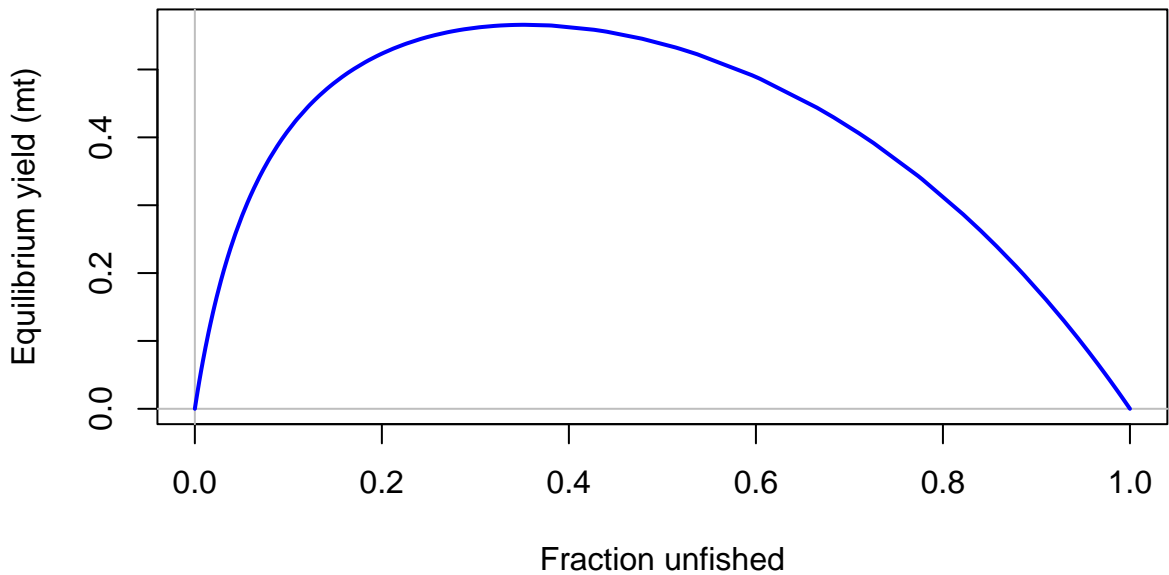


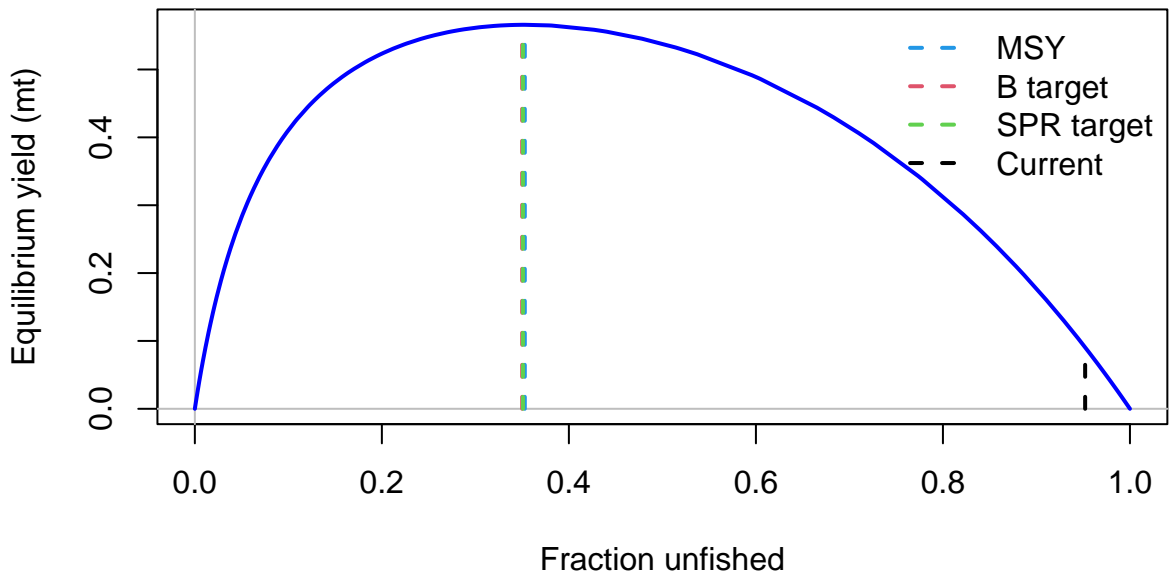
Length (cm)

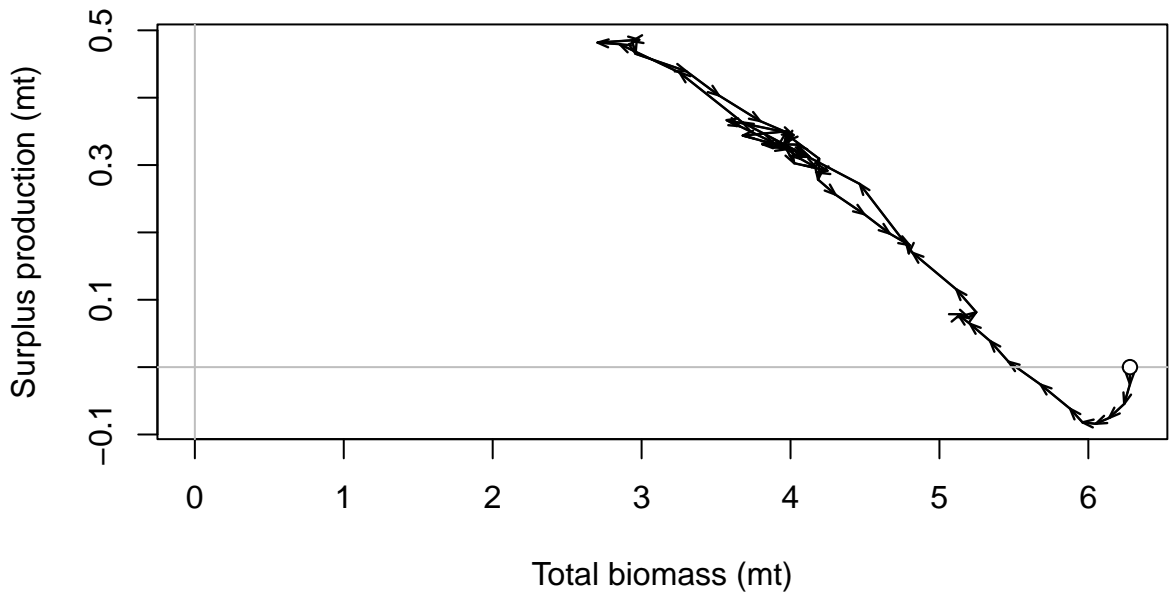


FISHERY (whole catch)

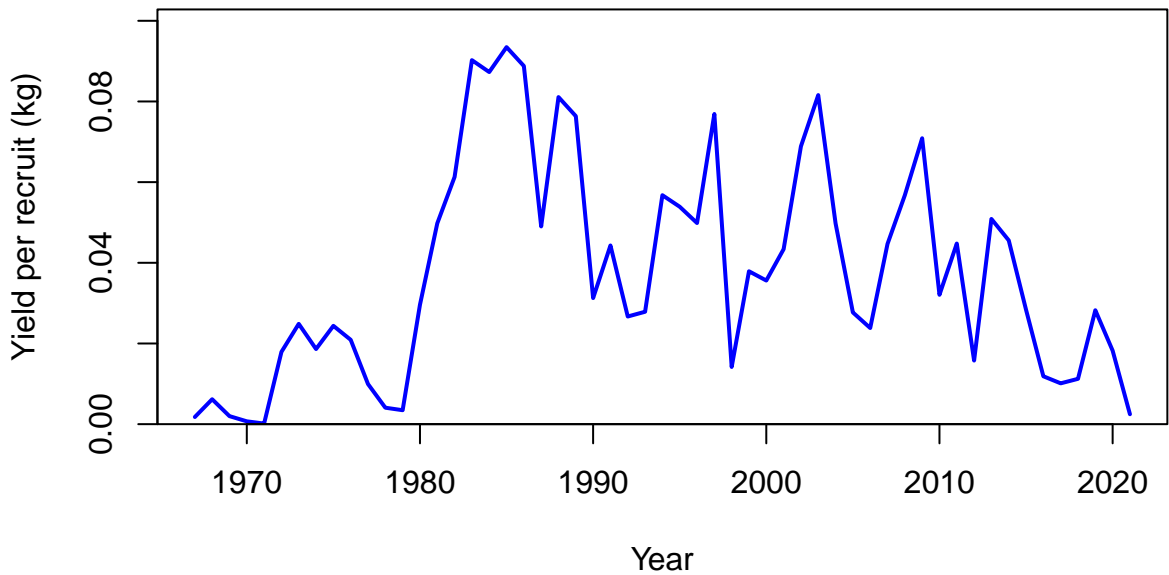


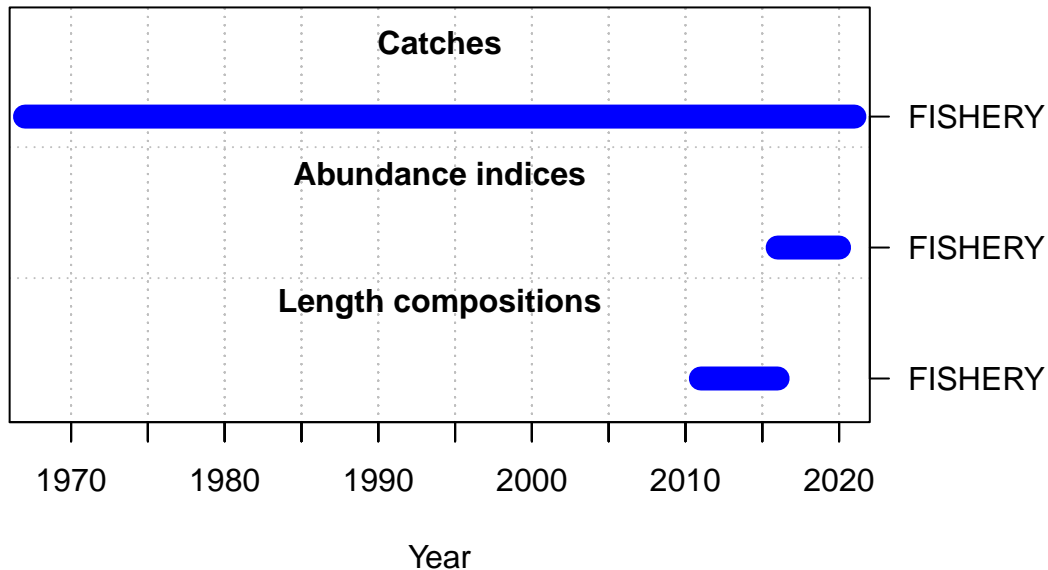


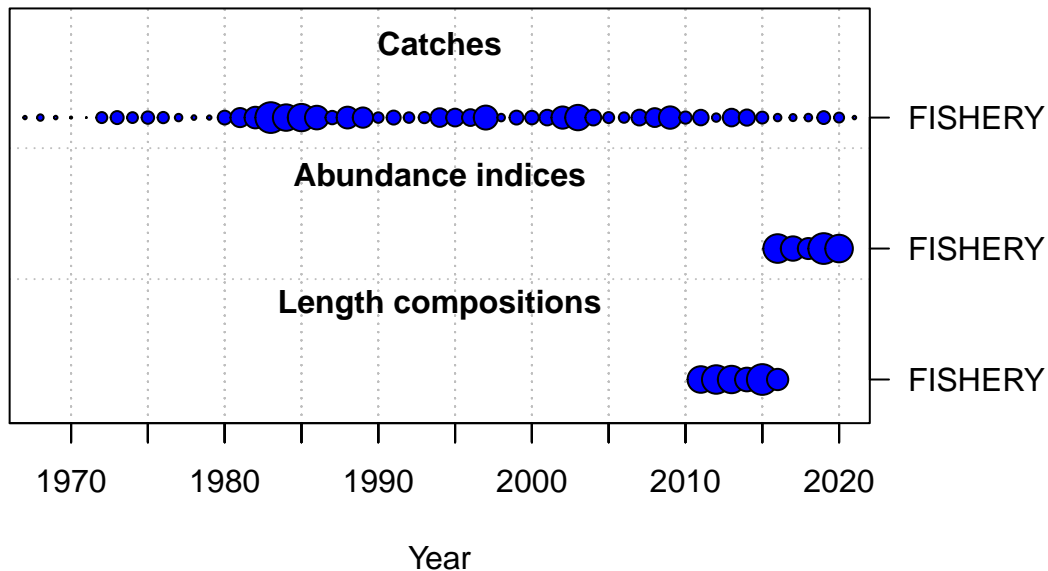




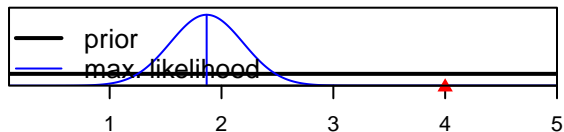




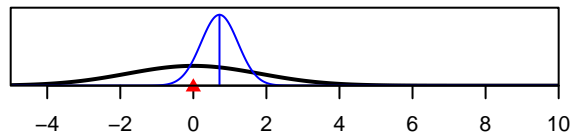




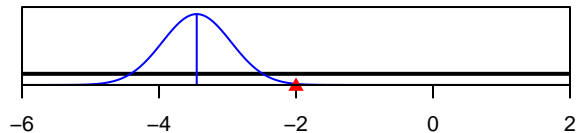
SR\_LN(R0)



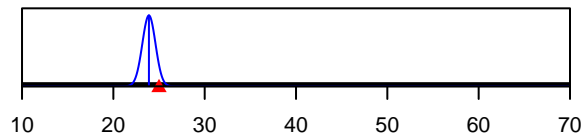
ln(DM\_theta)\_1



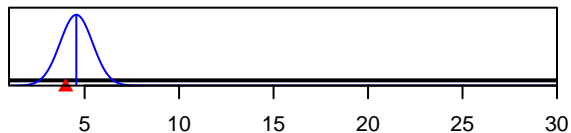
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value