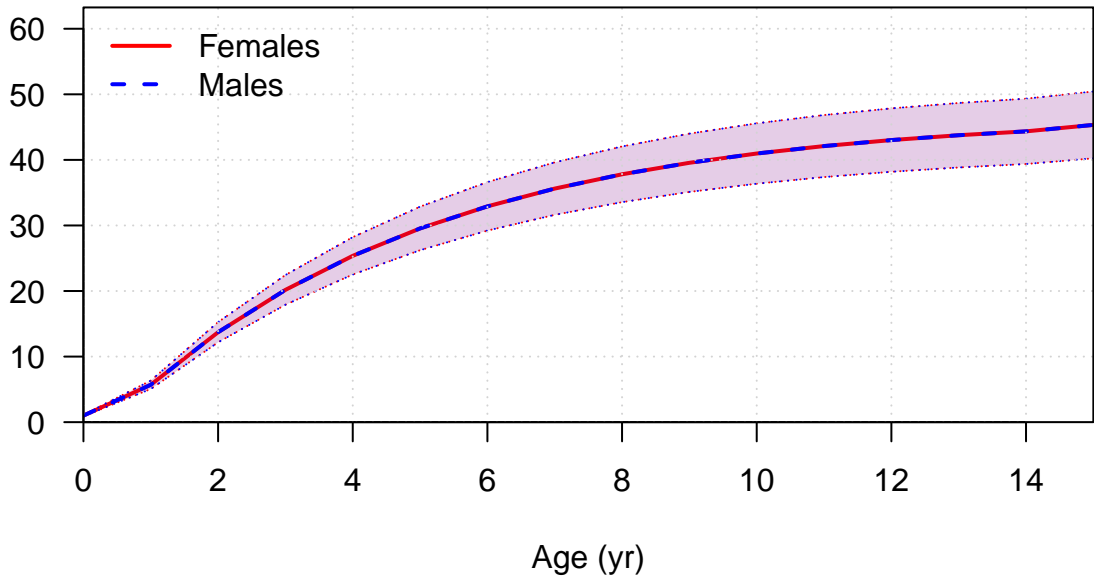
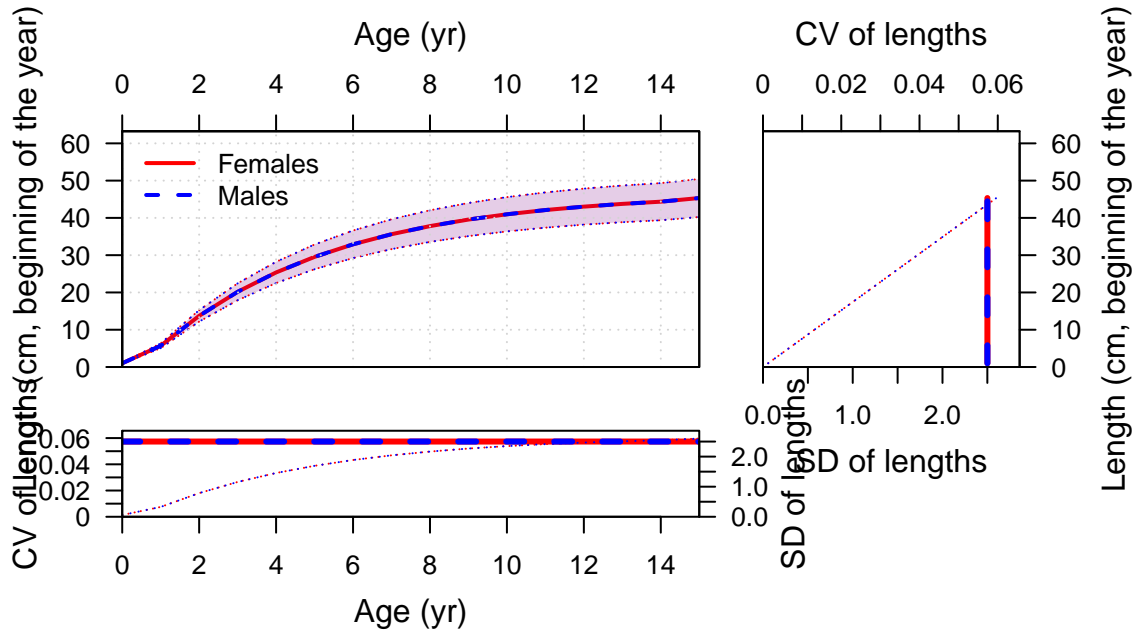
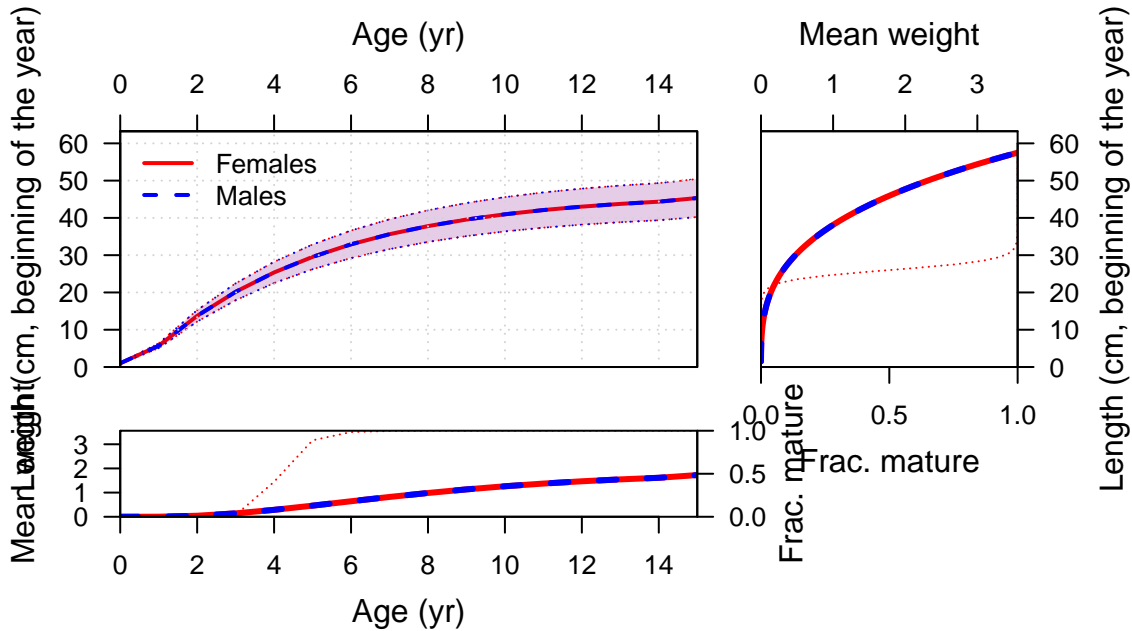


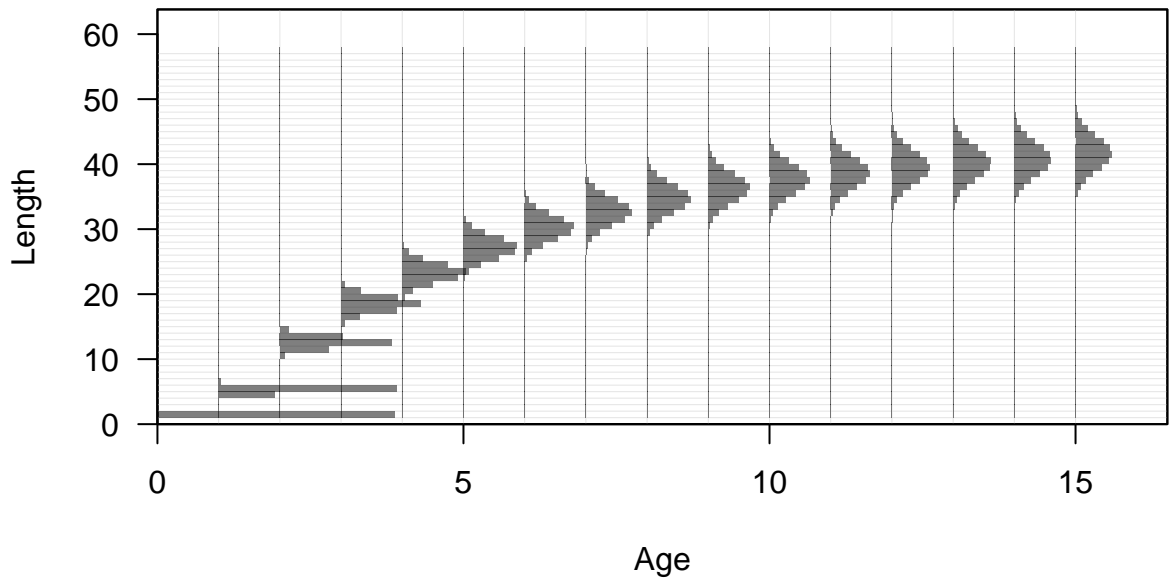
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Fri Oct 21 15:34:03 2022  
Data\_File: data.ss  
Control\_File: control.ss

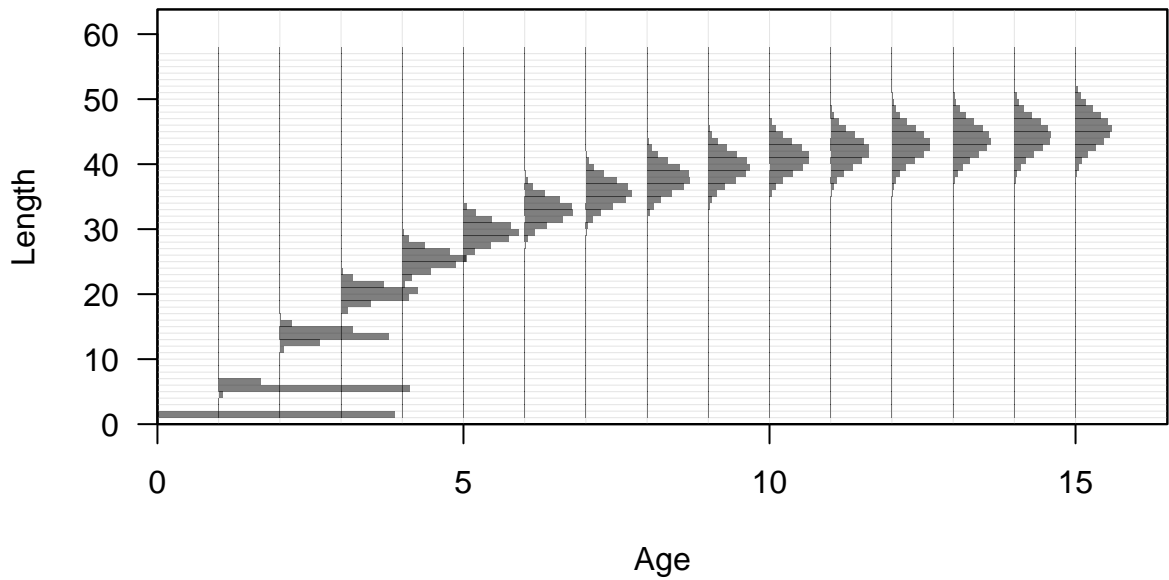
Length (cm, beginning of the year)

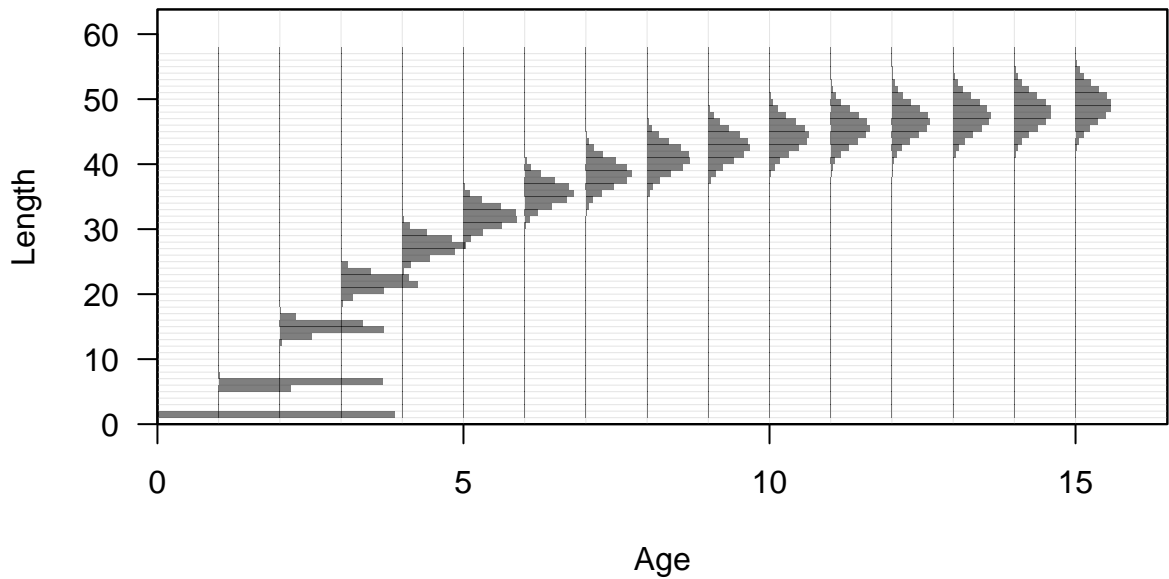


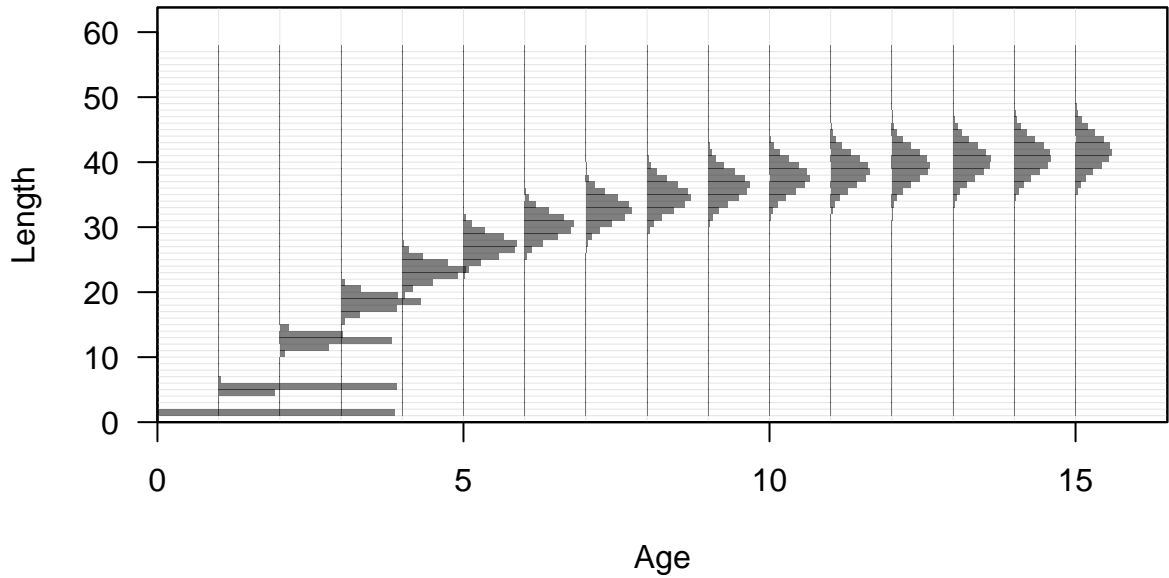




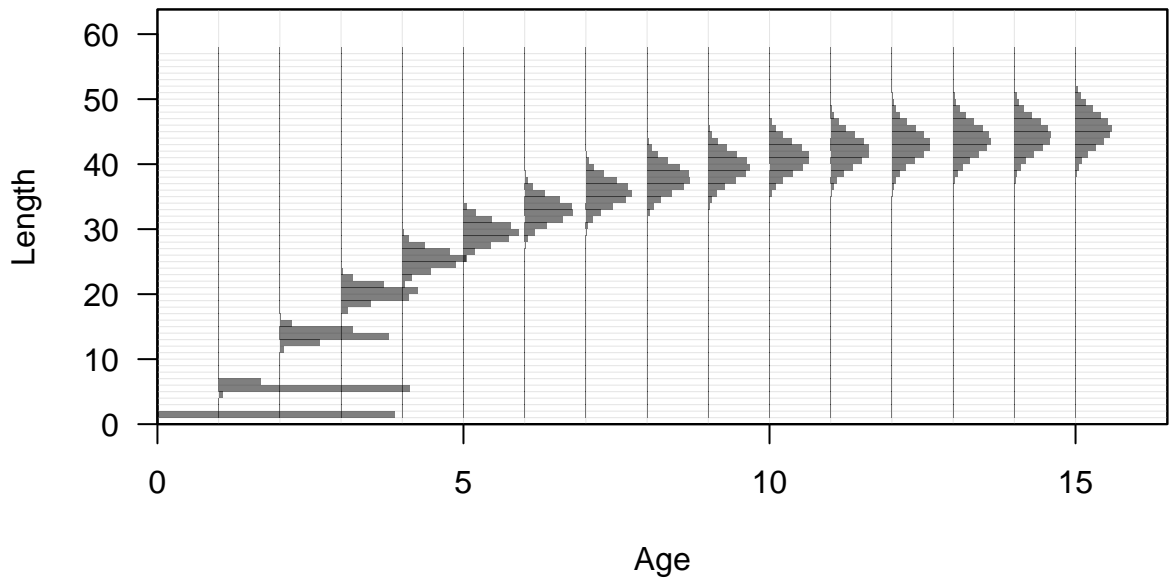


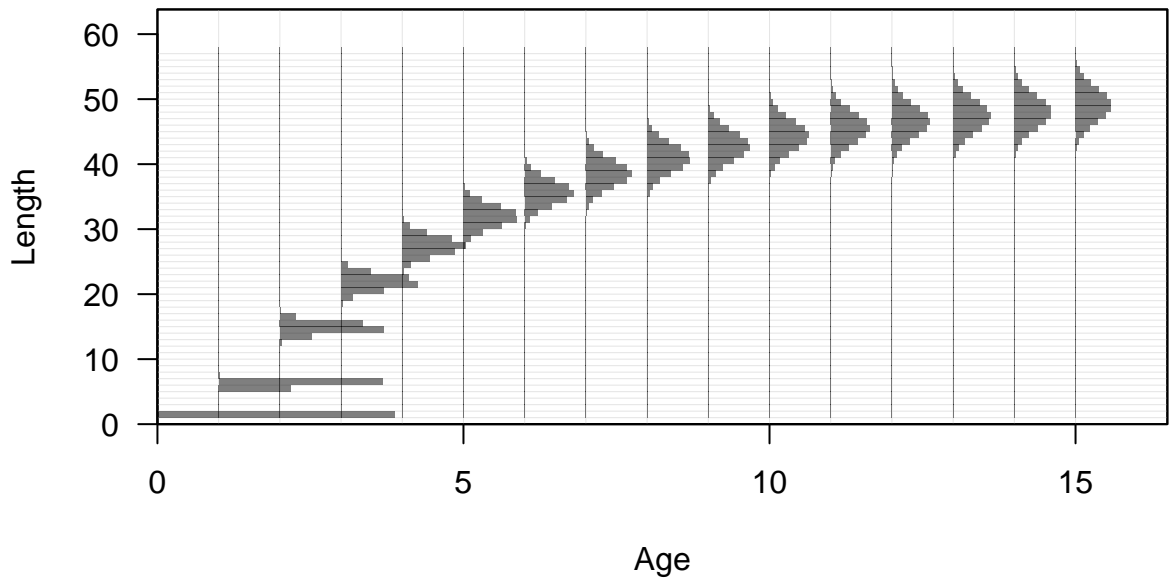


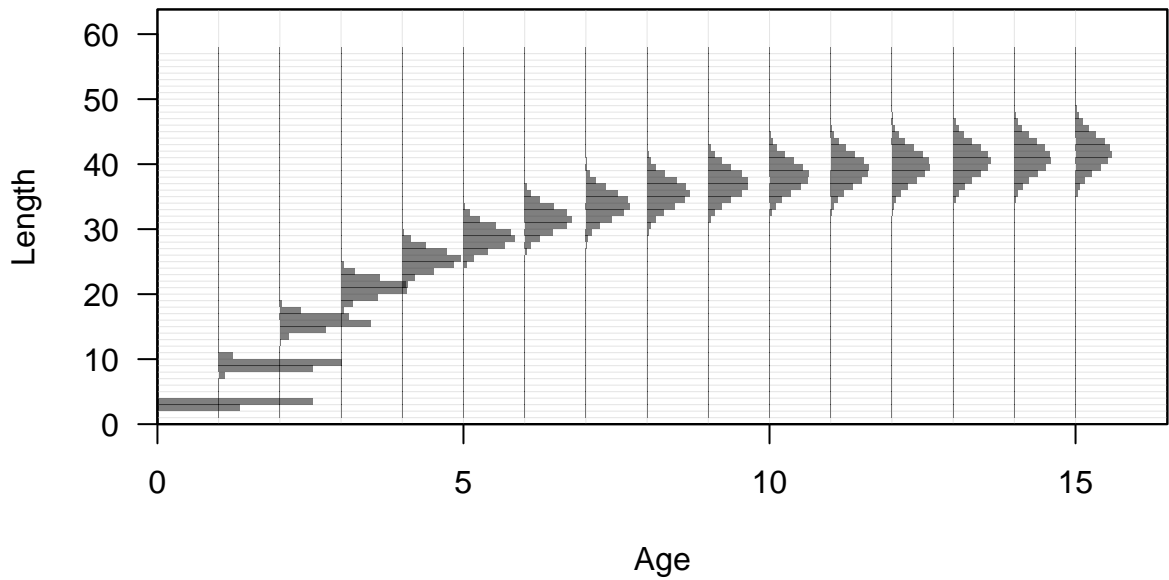


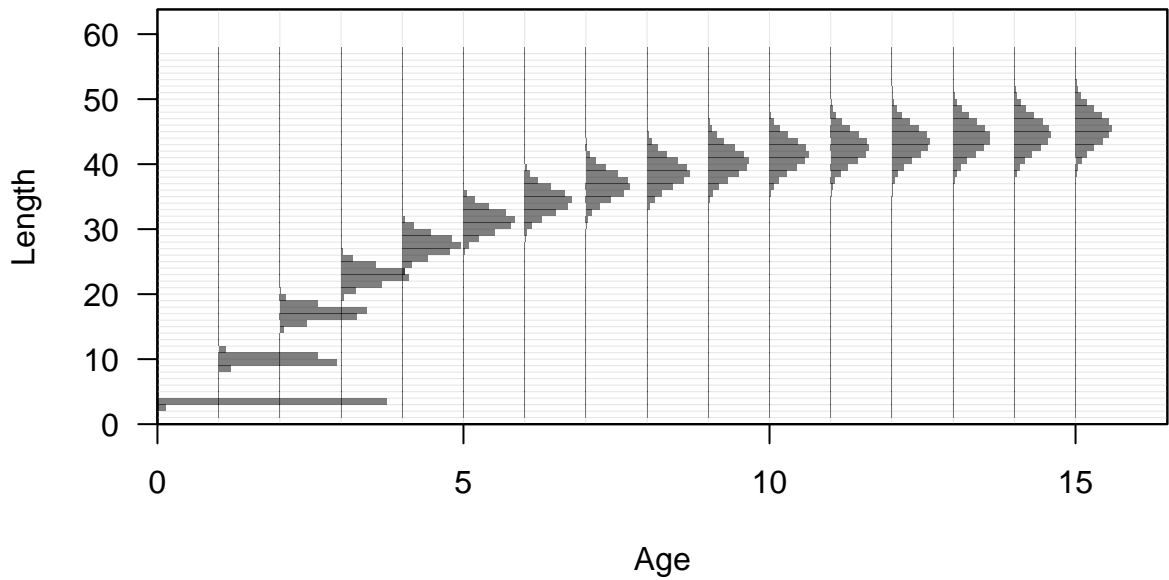


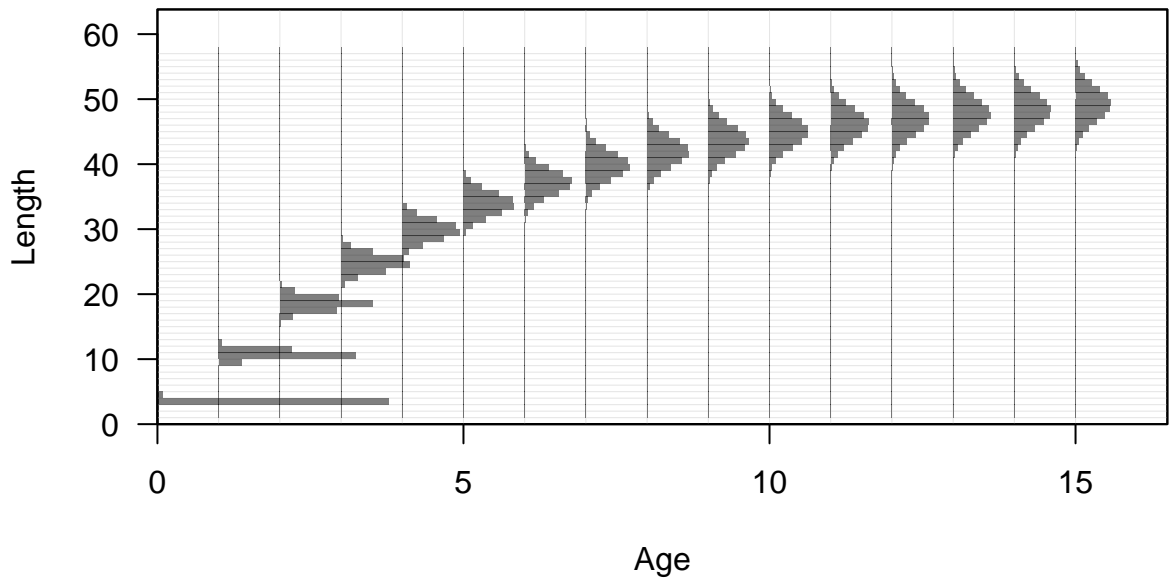


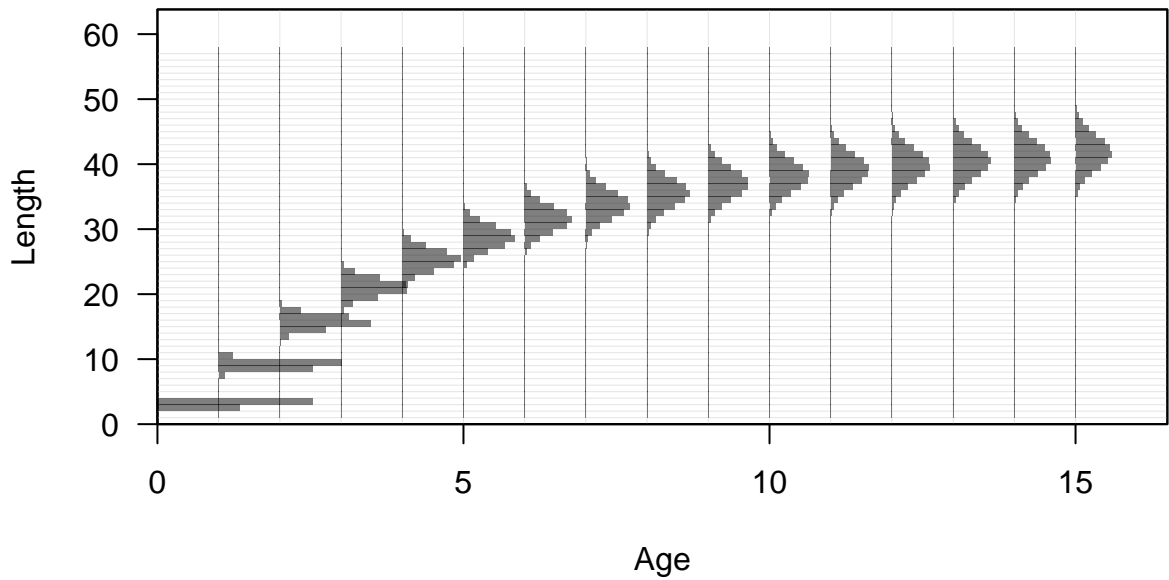


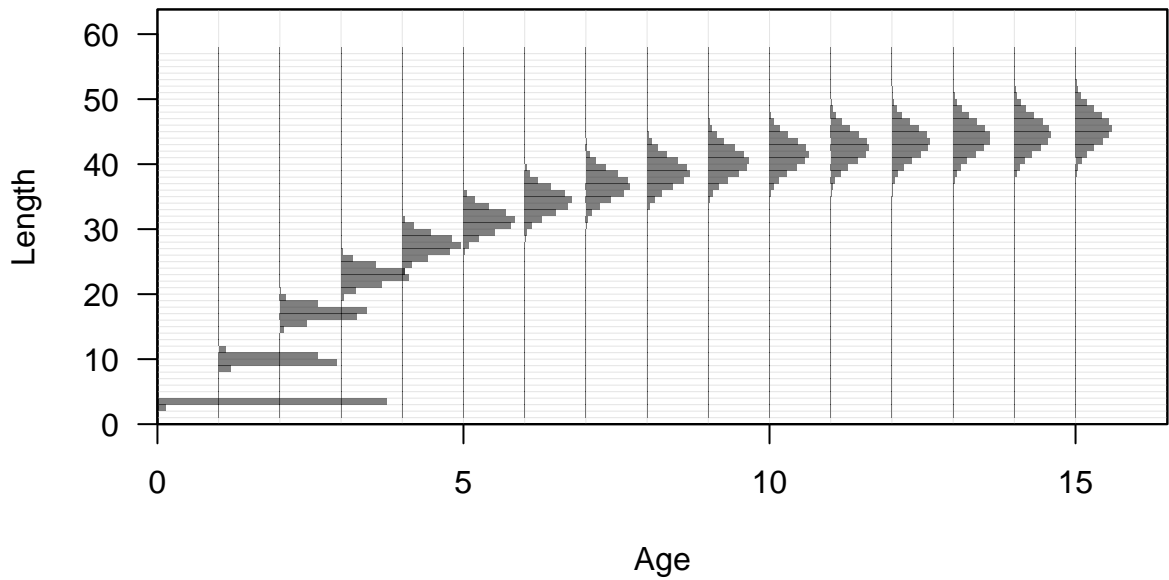


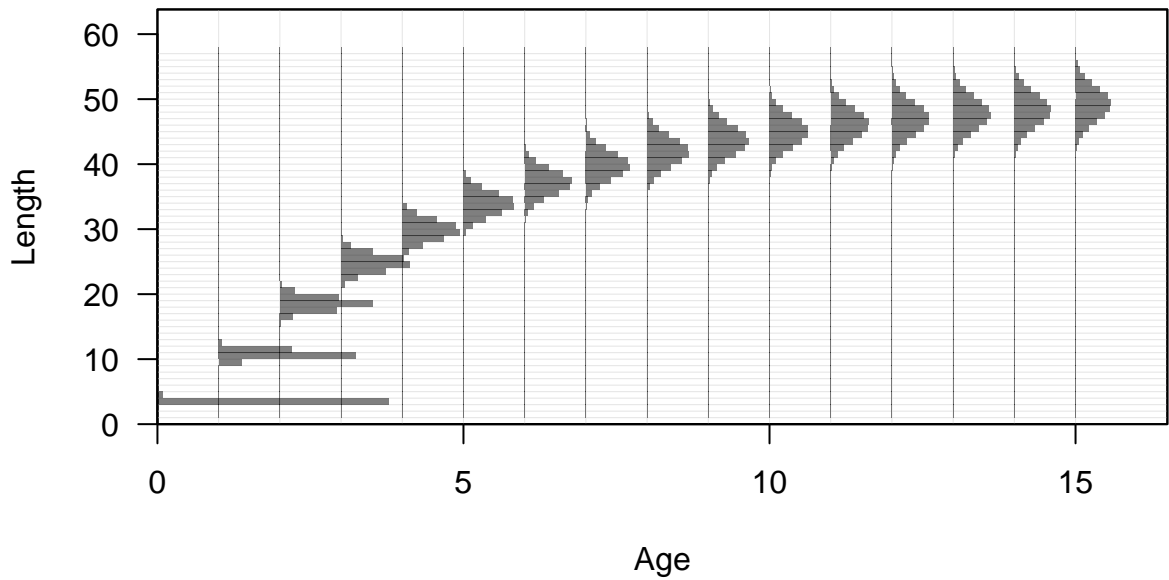






















Fecundity



Fecundity



Spawning output

3

2

1

0

0

10

20

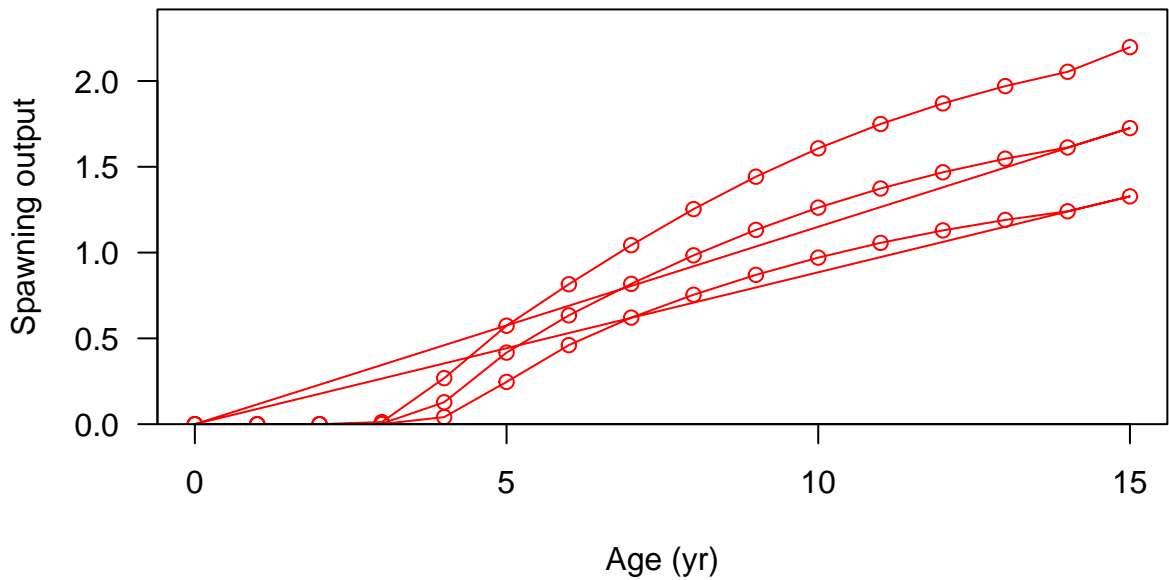
30

40

50

Length (cm)







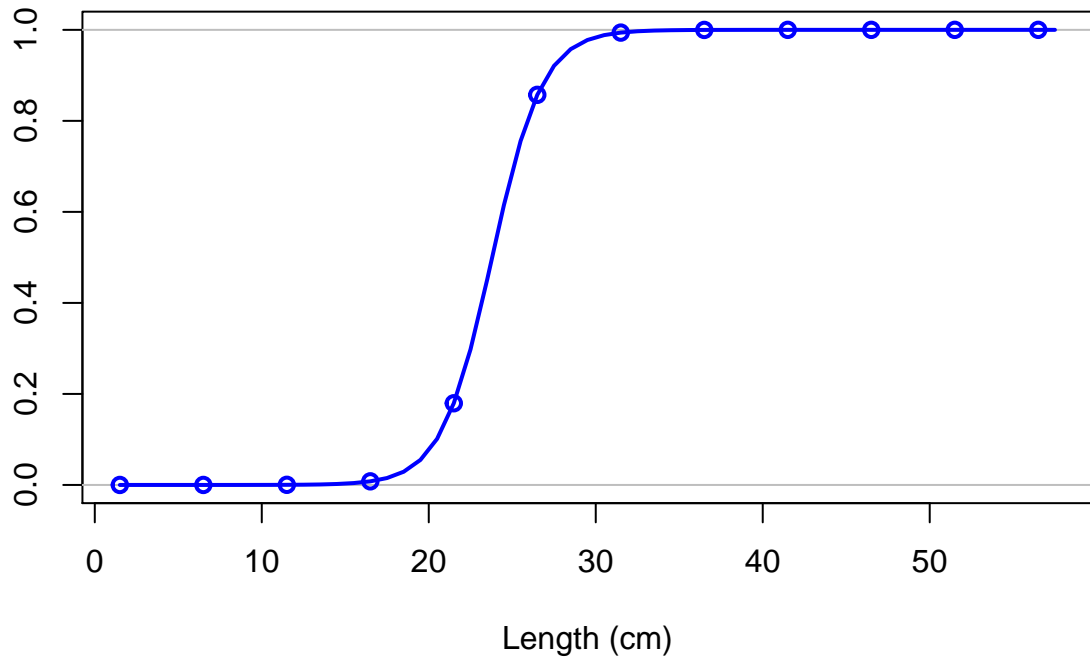
Hermaphroditism transition rate



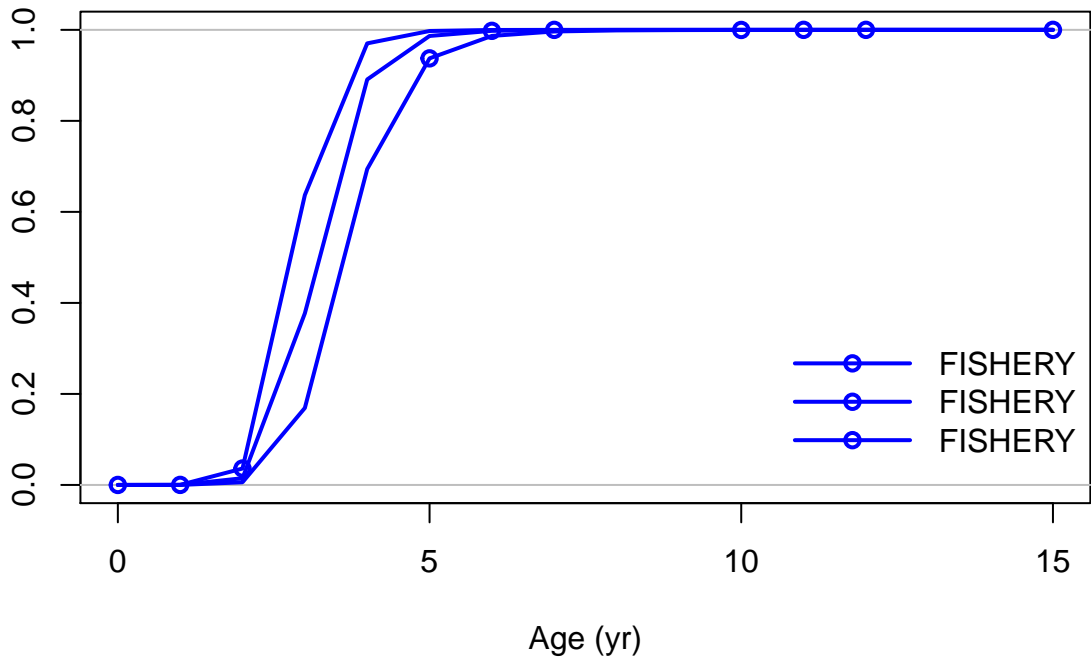
Fraction females by age at equilibrium



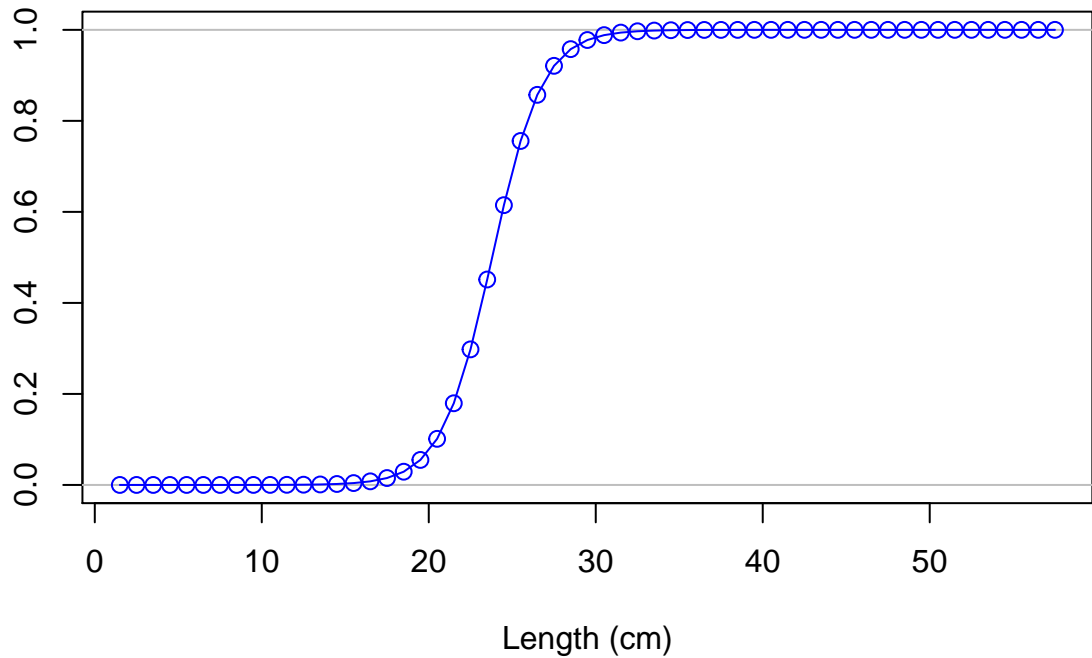
Selectivity



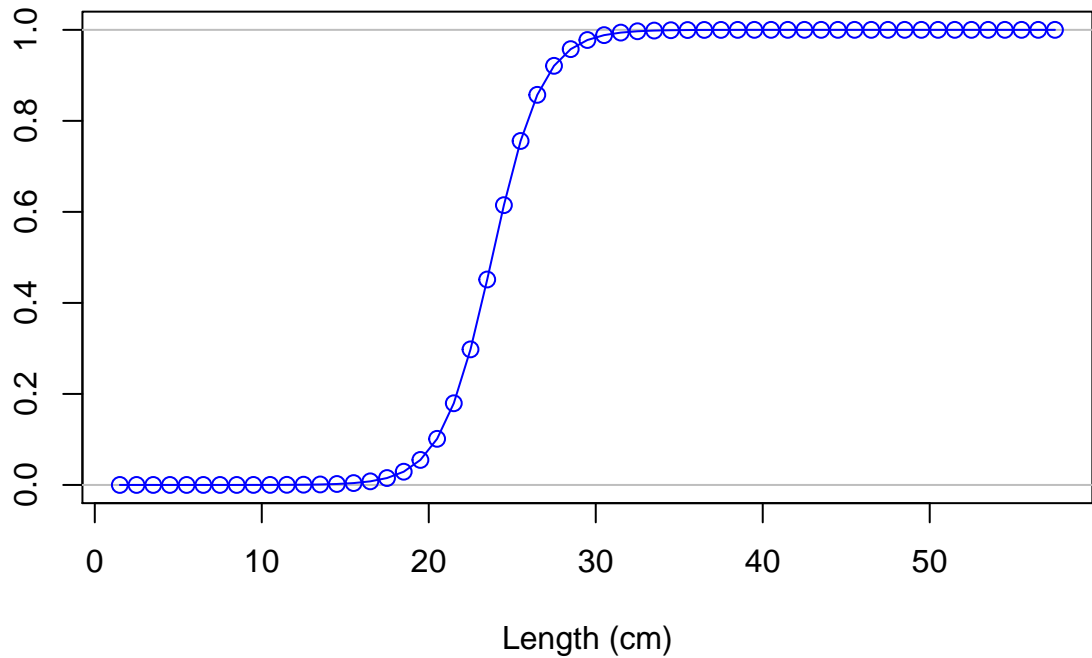
Selectivity

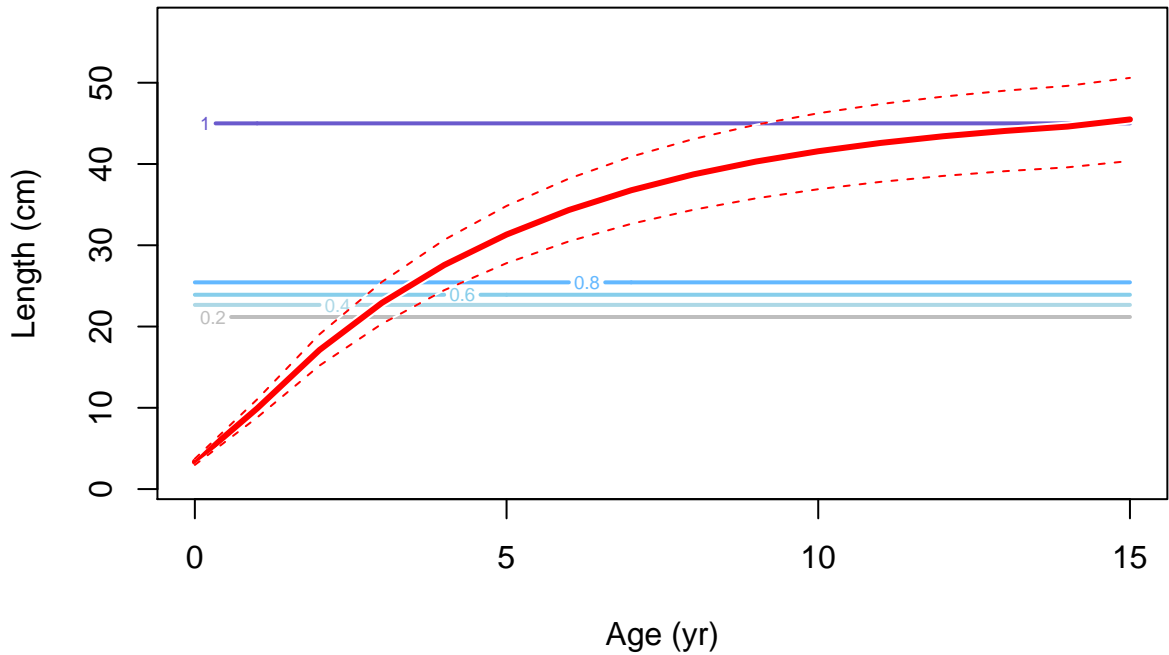


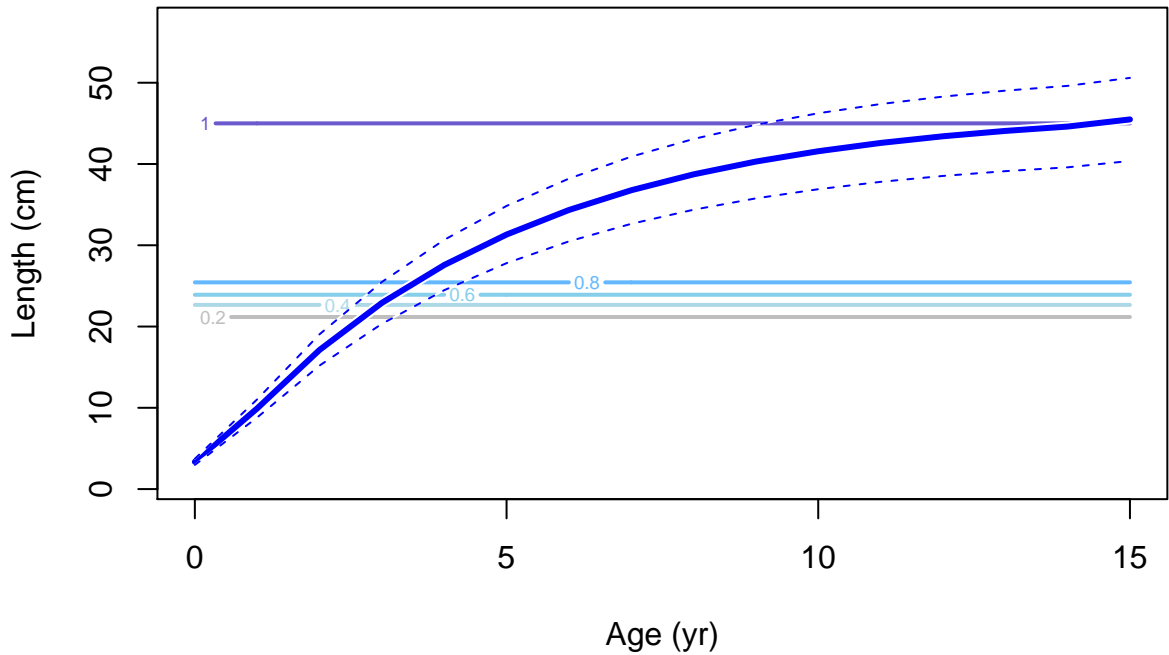
Selectivity



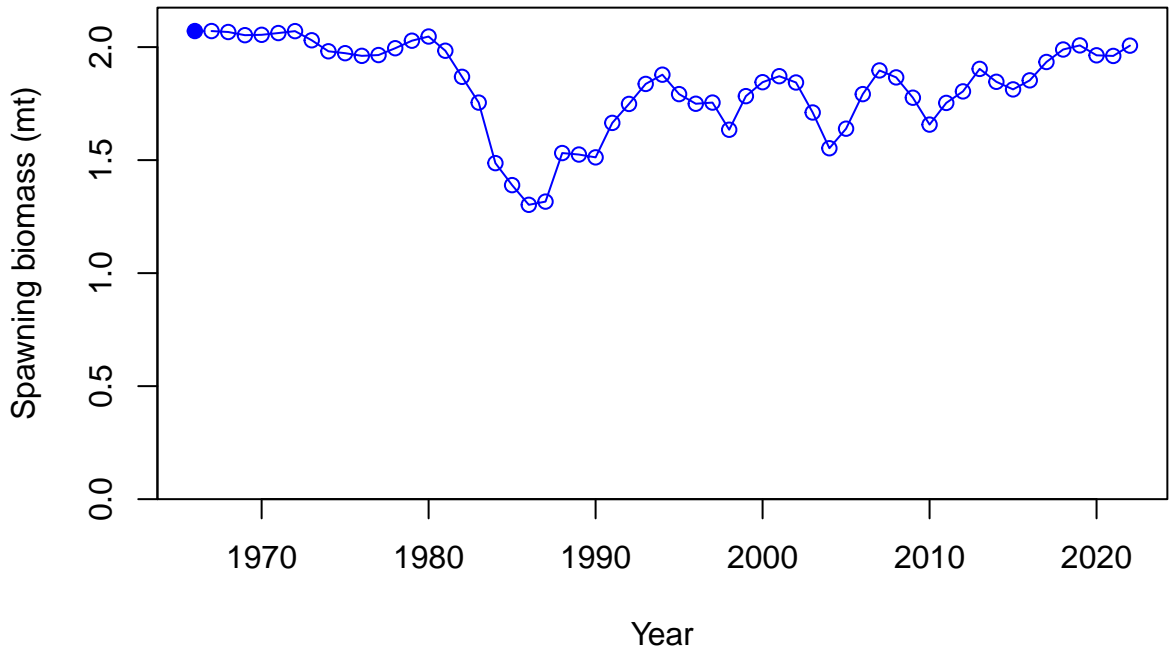
Selectivity



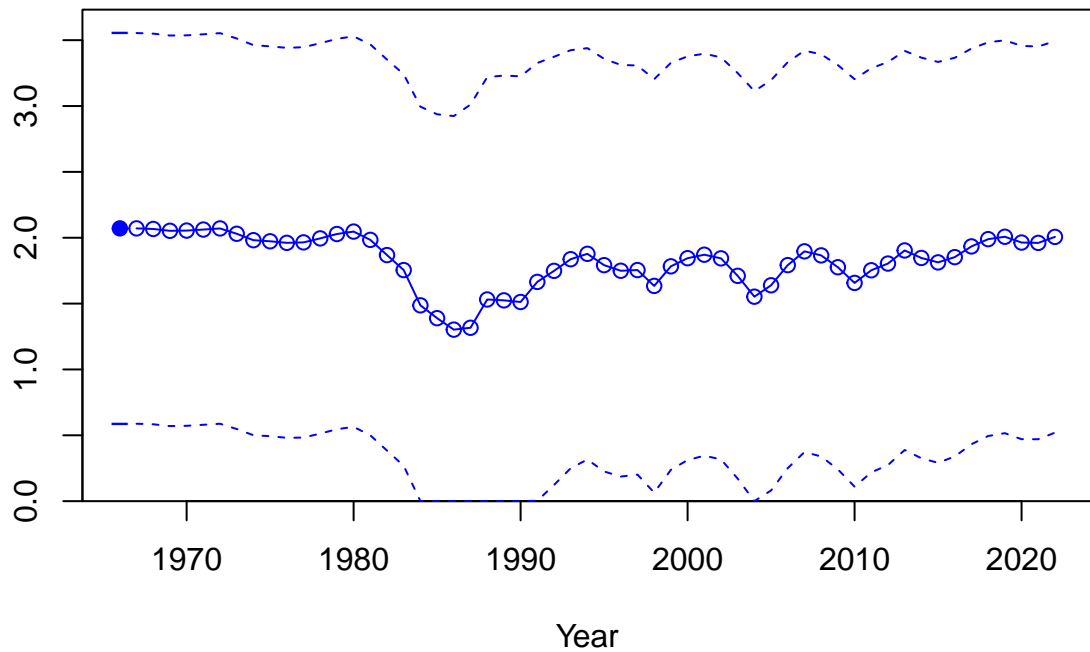




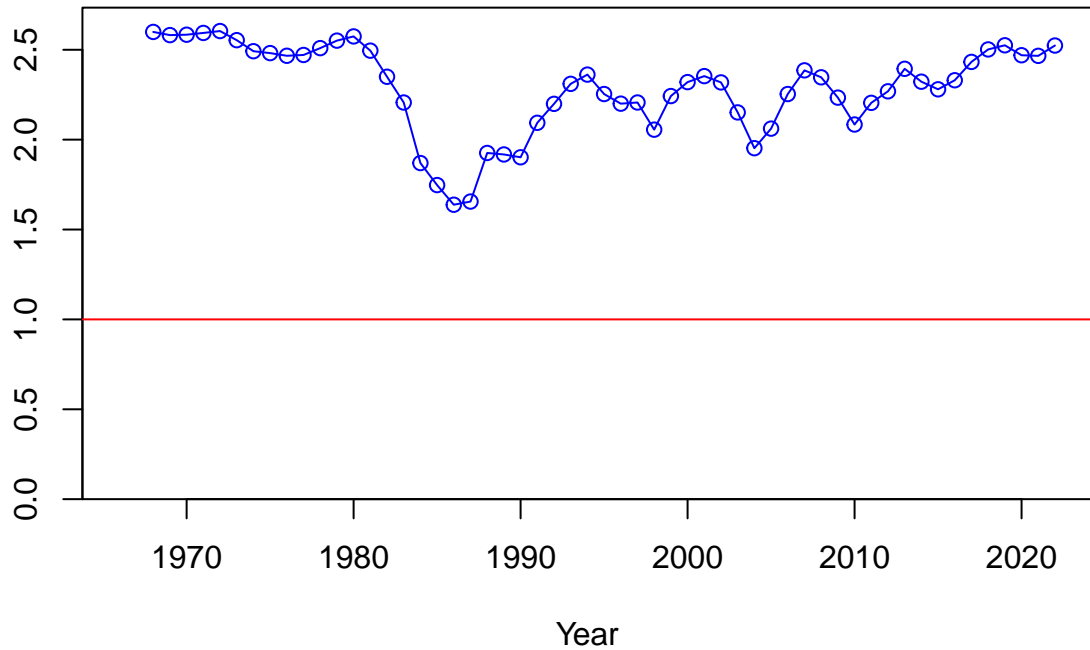




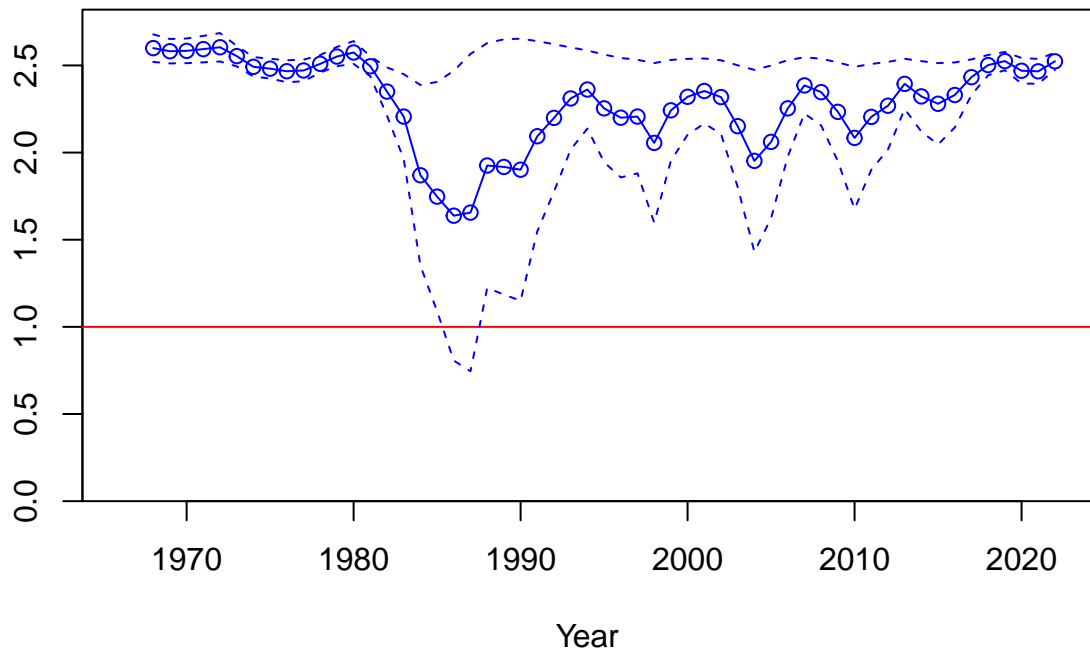
Spawning biomass (mt)

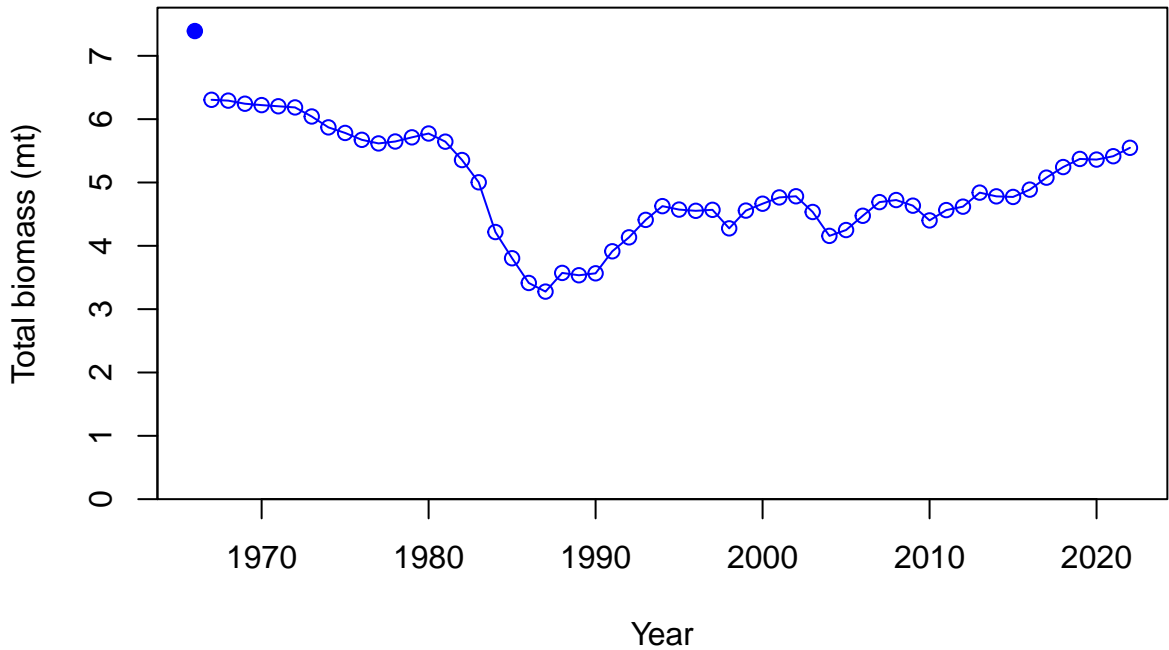


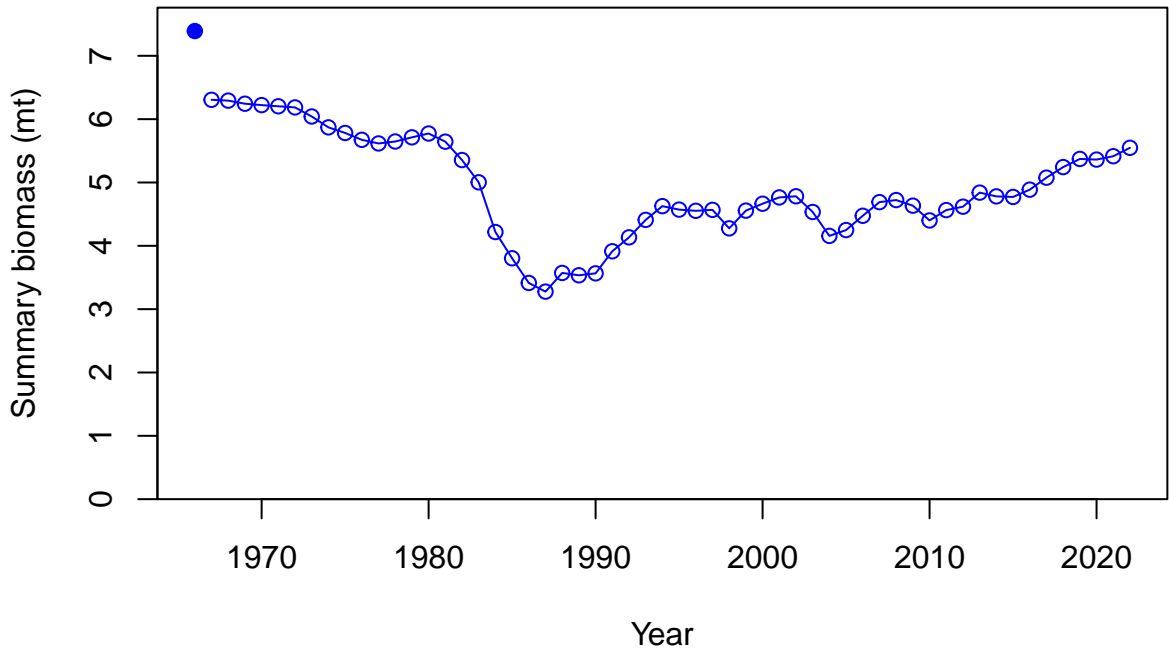
Relative spawning biomass:  $B/B_{MSY}$



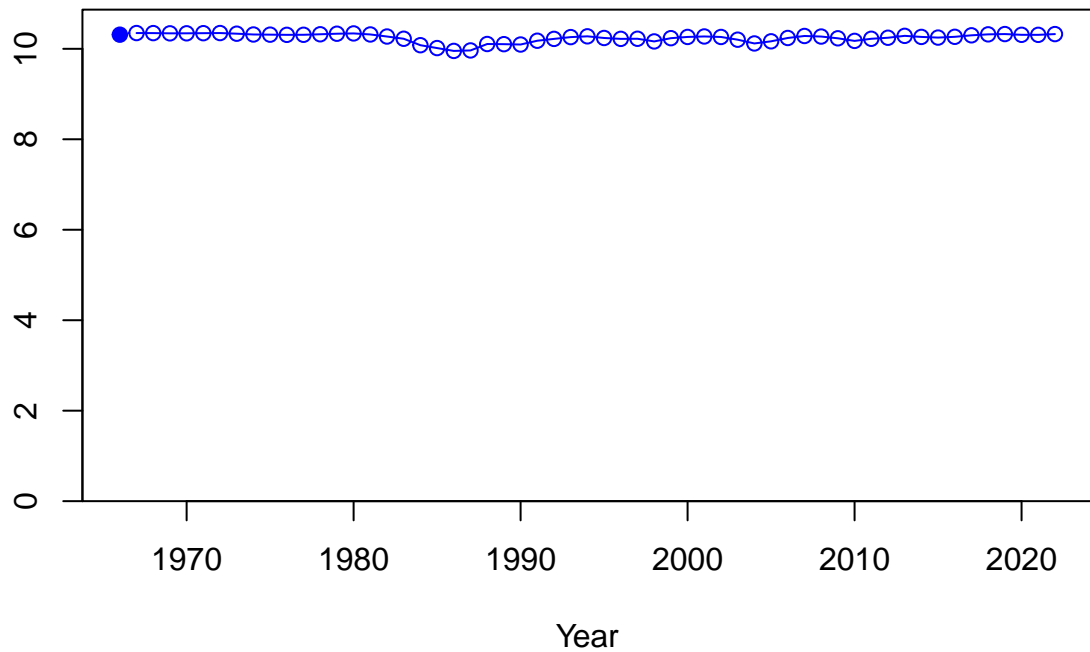
Relative spawning biomass:  $B/B_{MSY}$



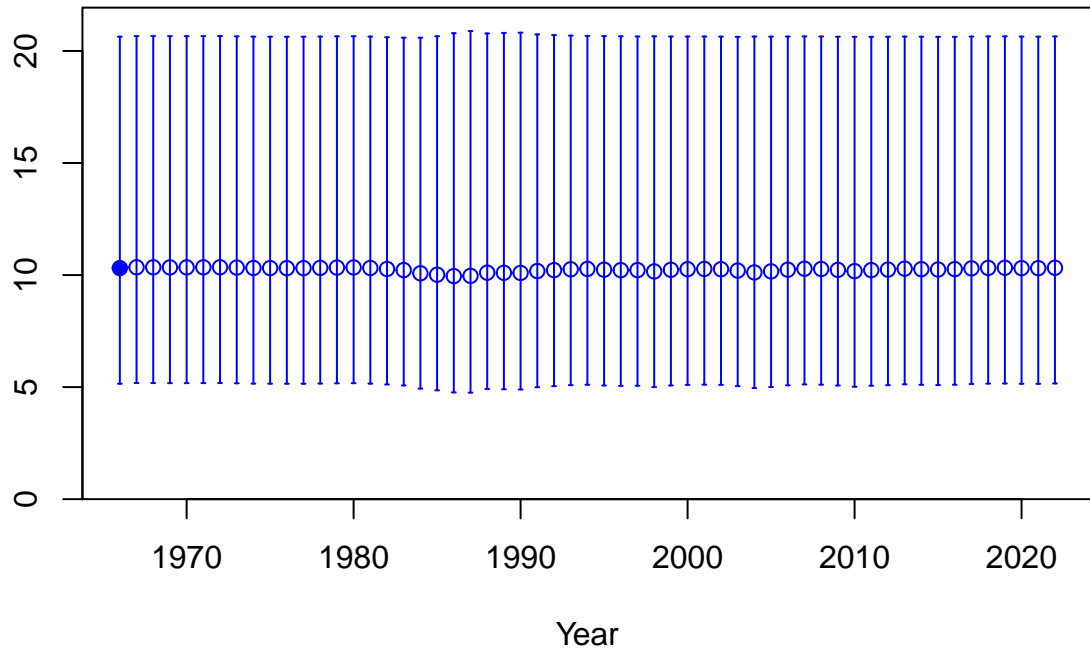




Age-0 recruits (1,000s)

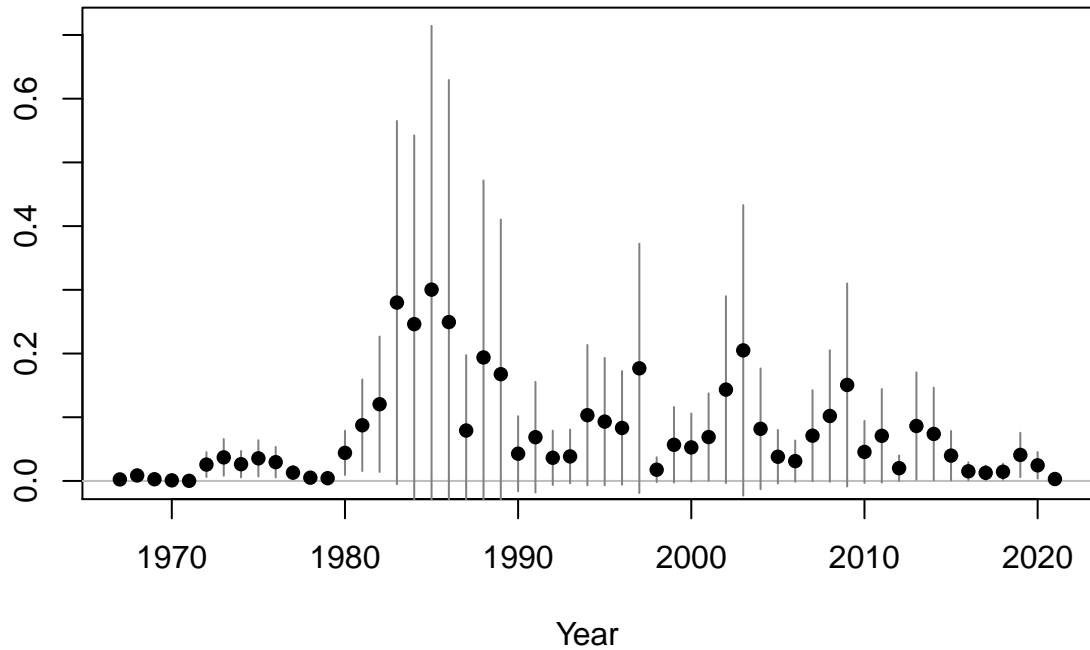


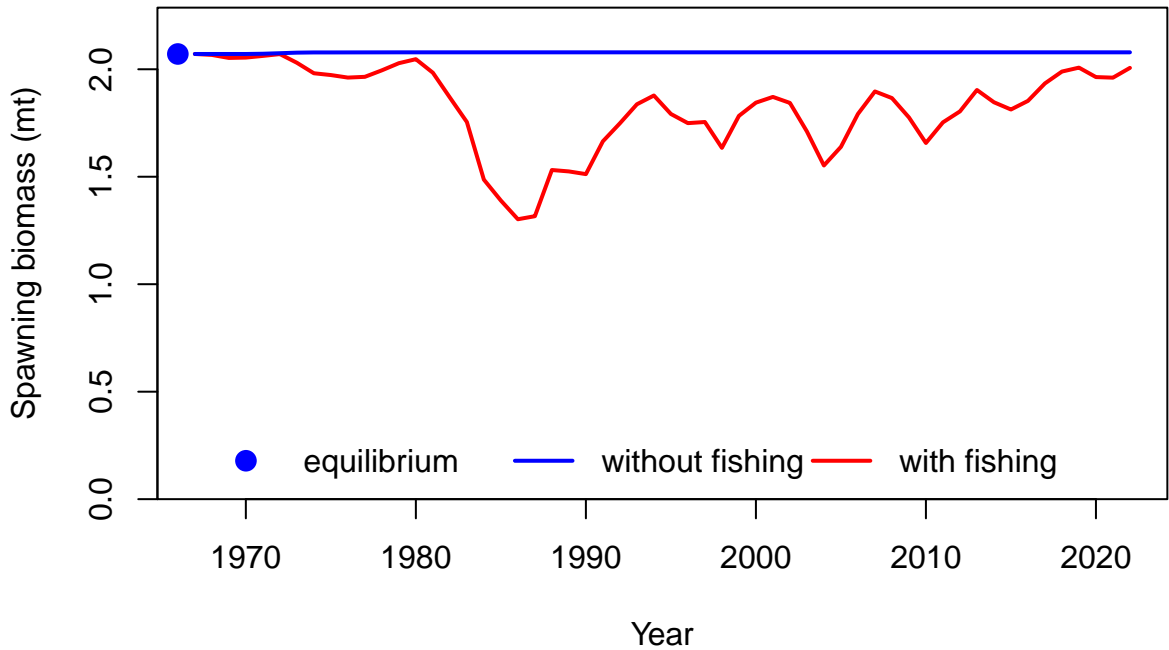
Age-0 recruits (1,000s)

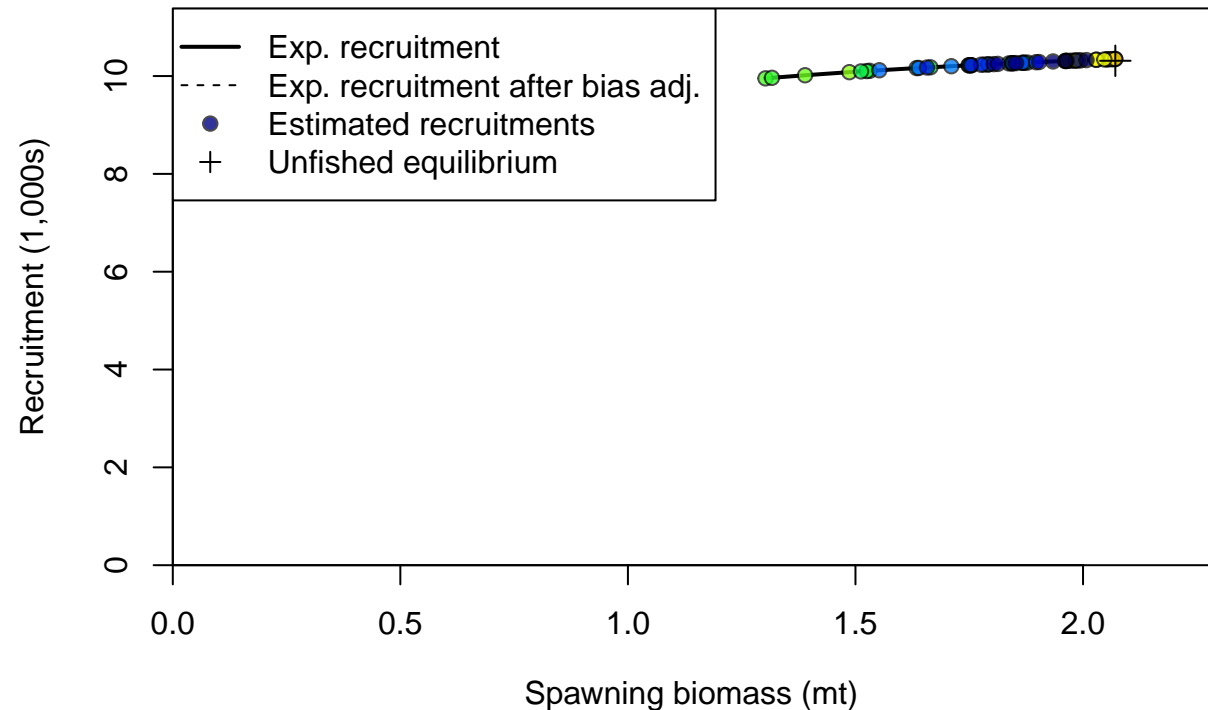


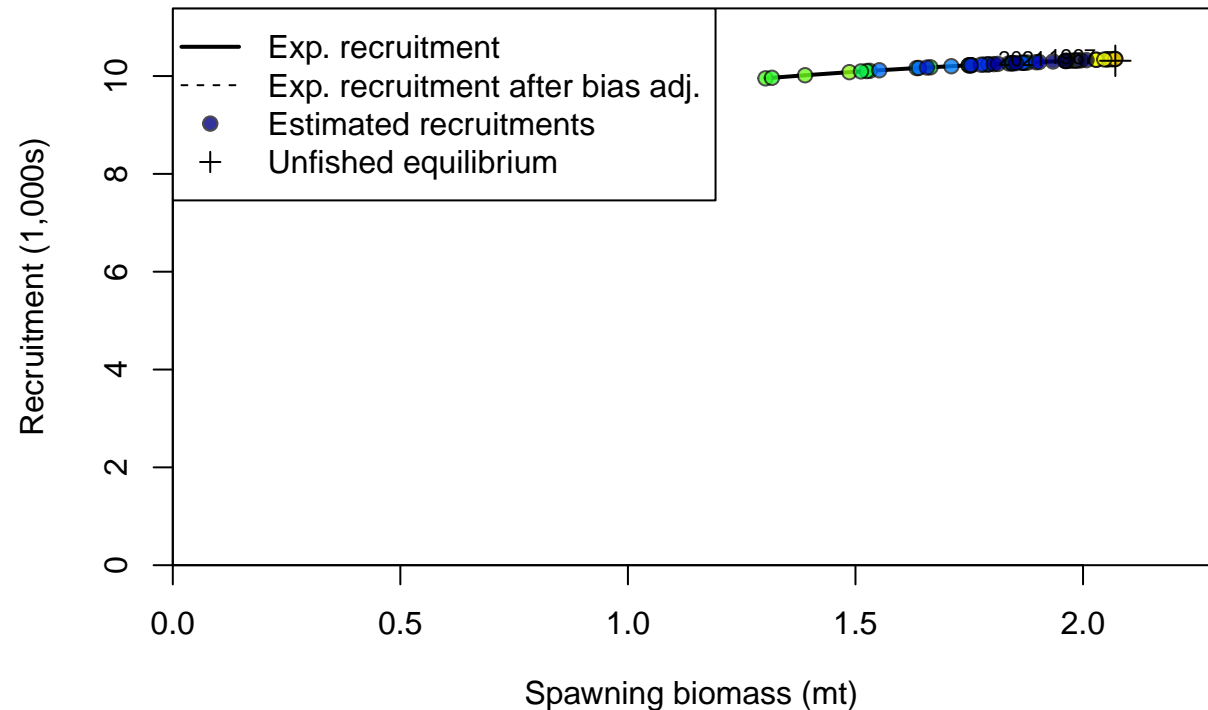


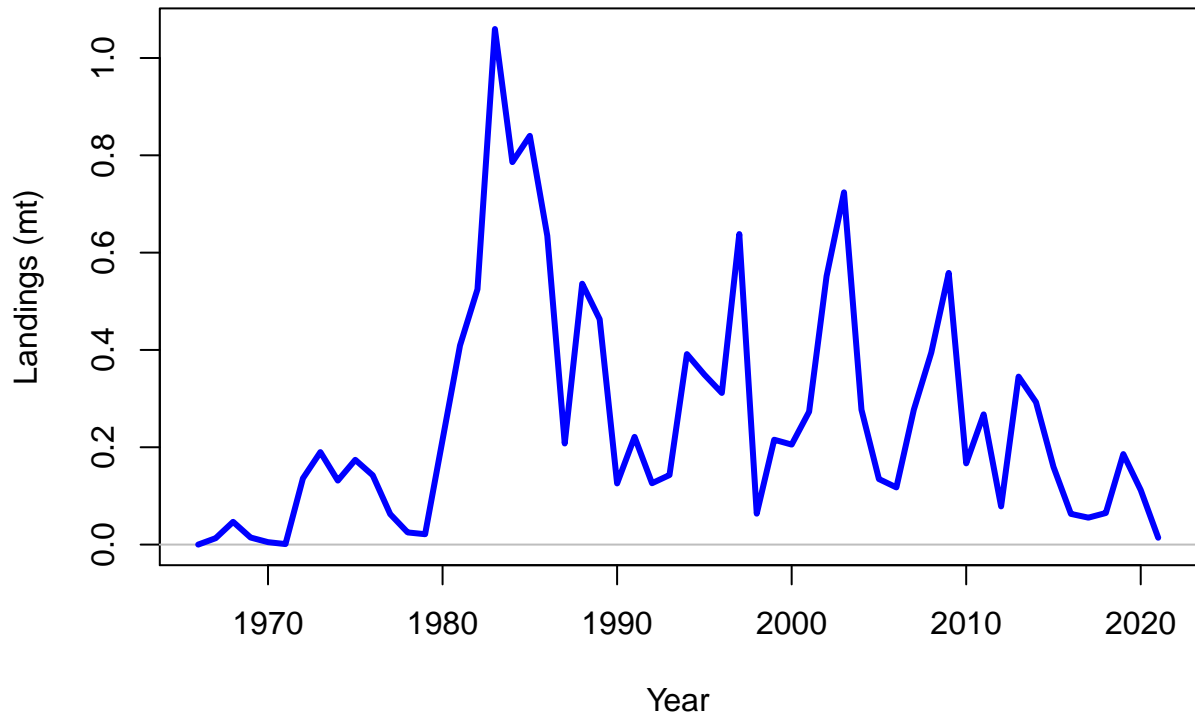
Summary Fishing Mortality

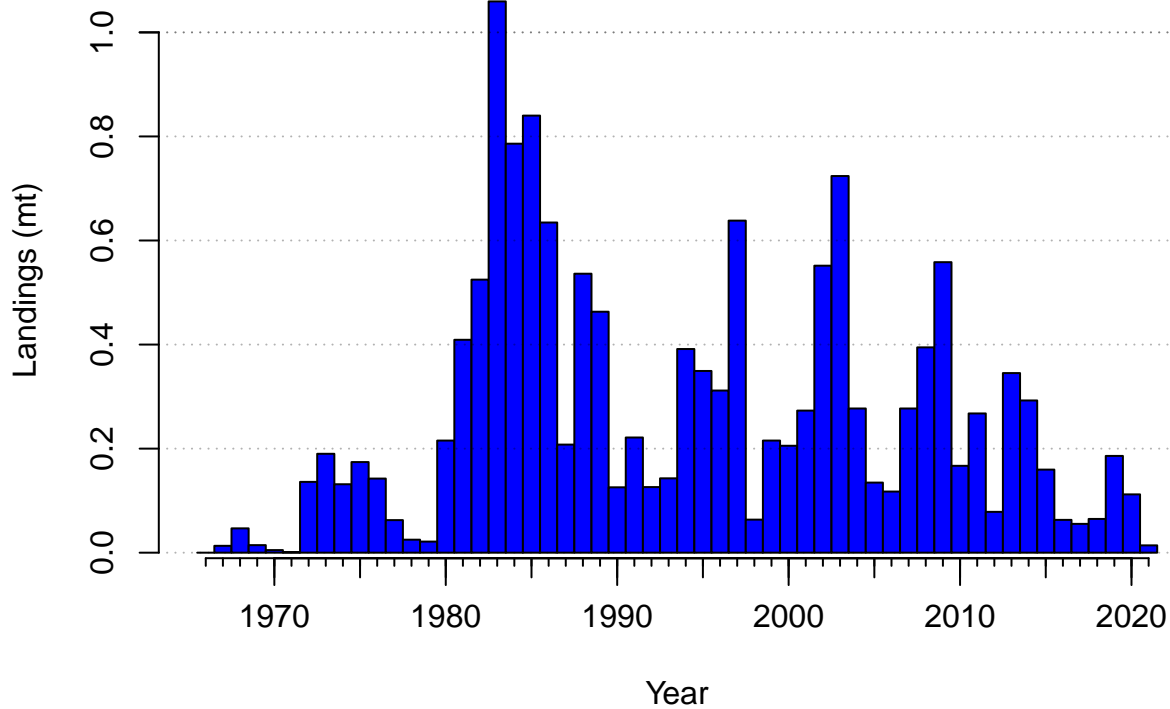


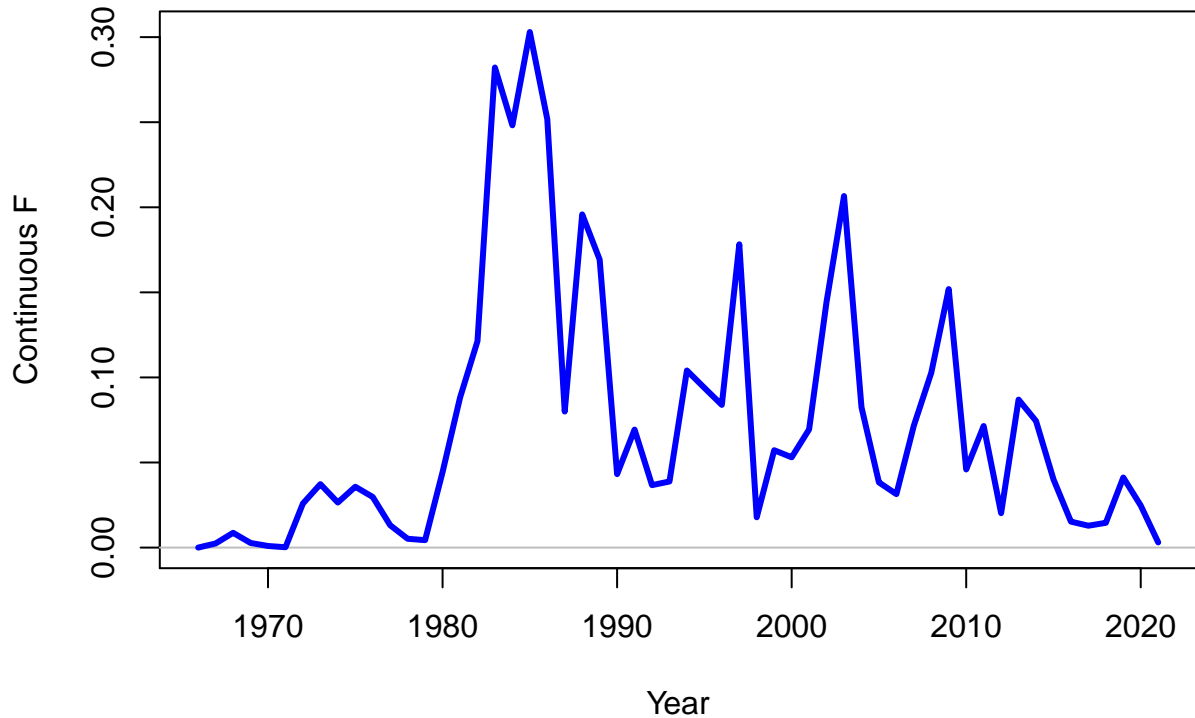




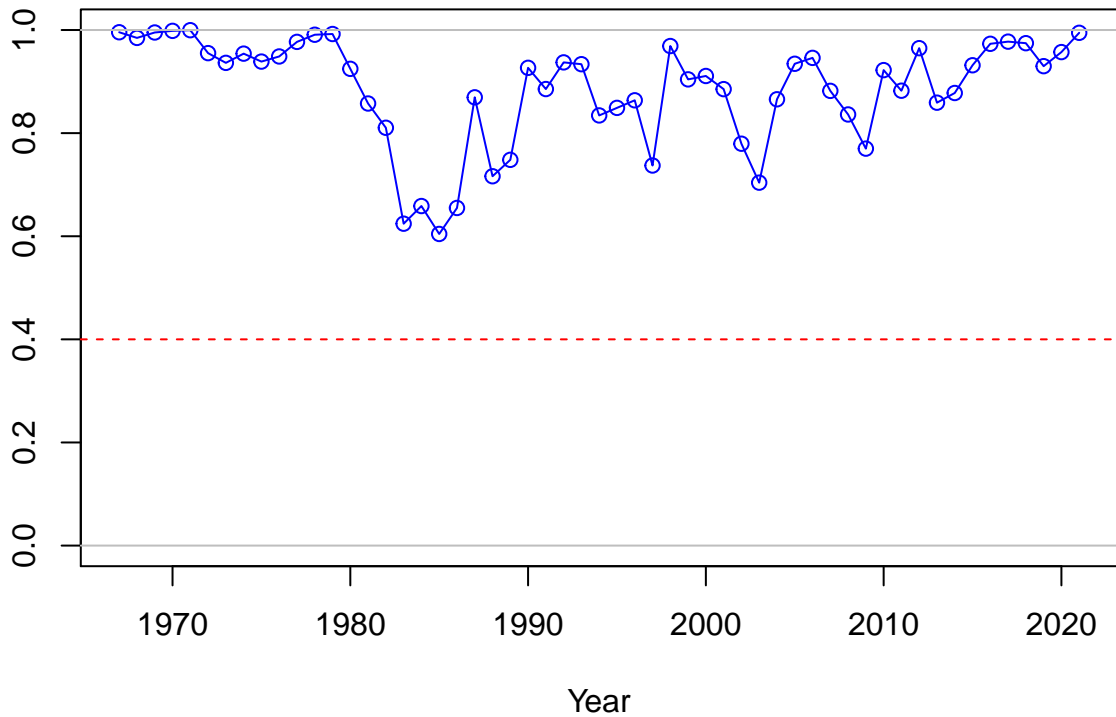






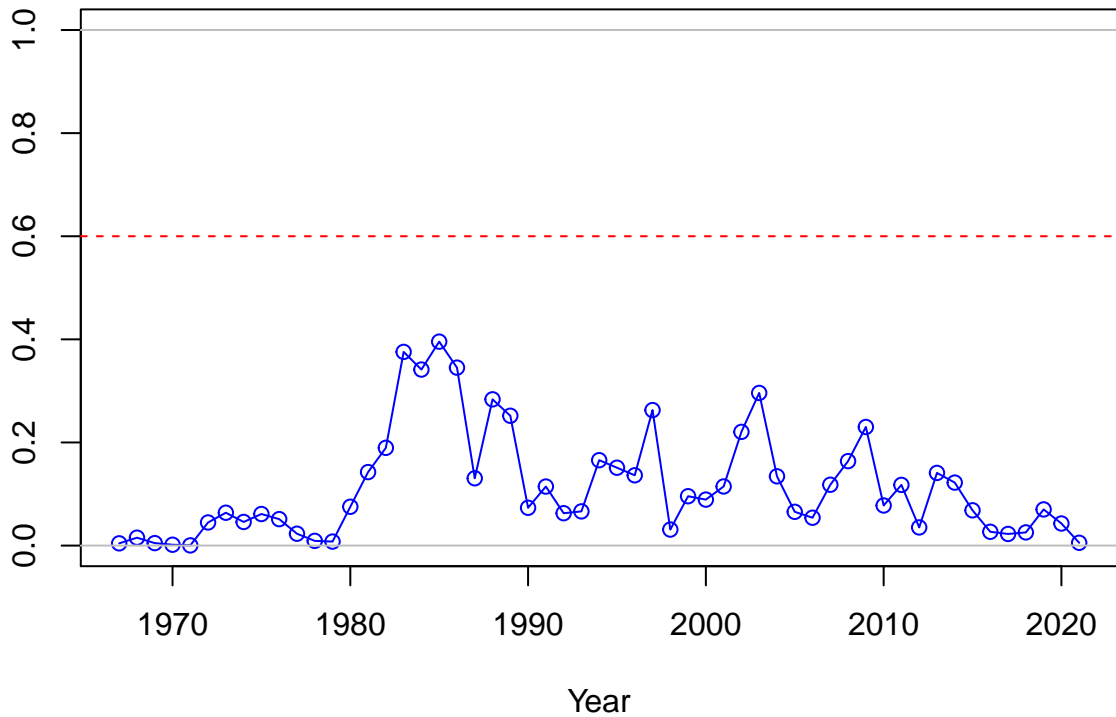


SPR

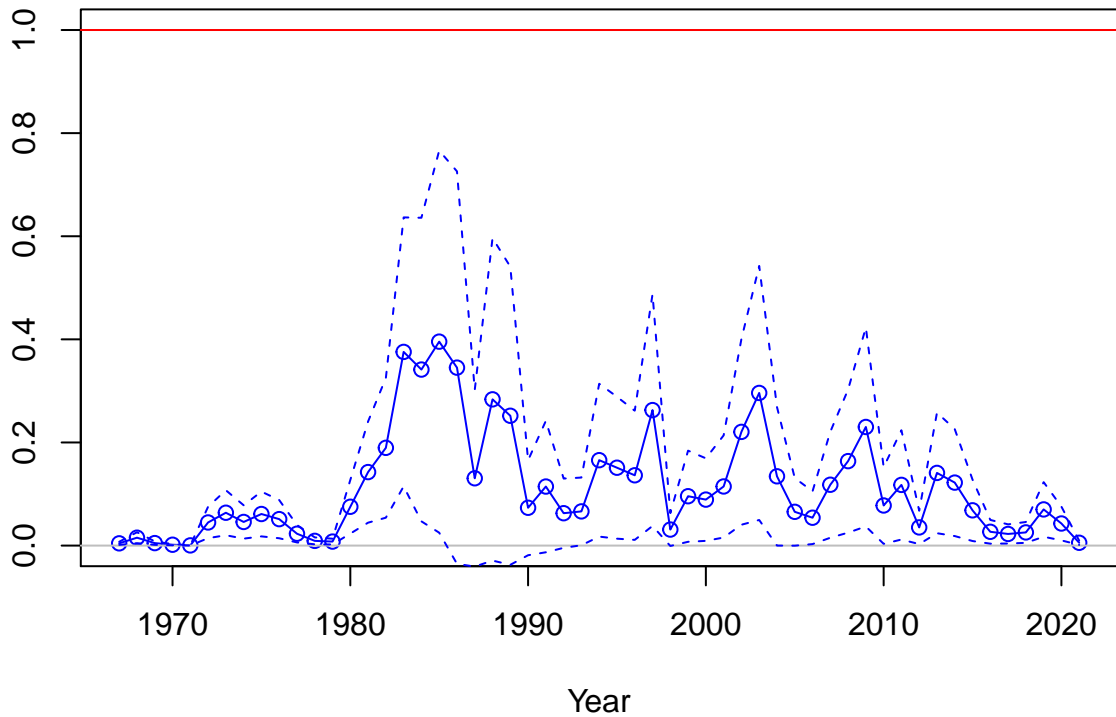




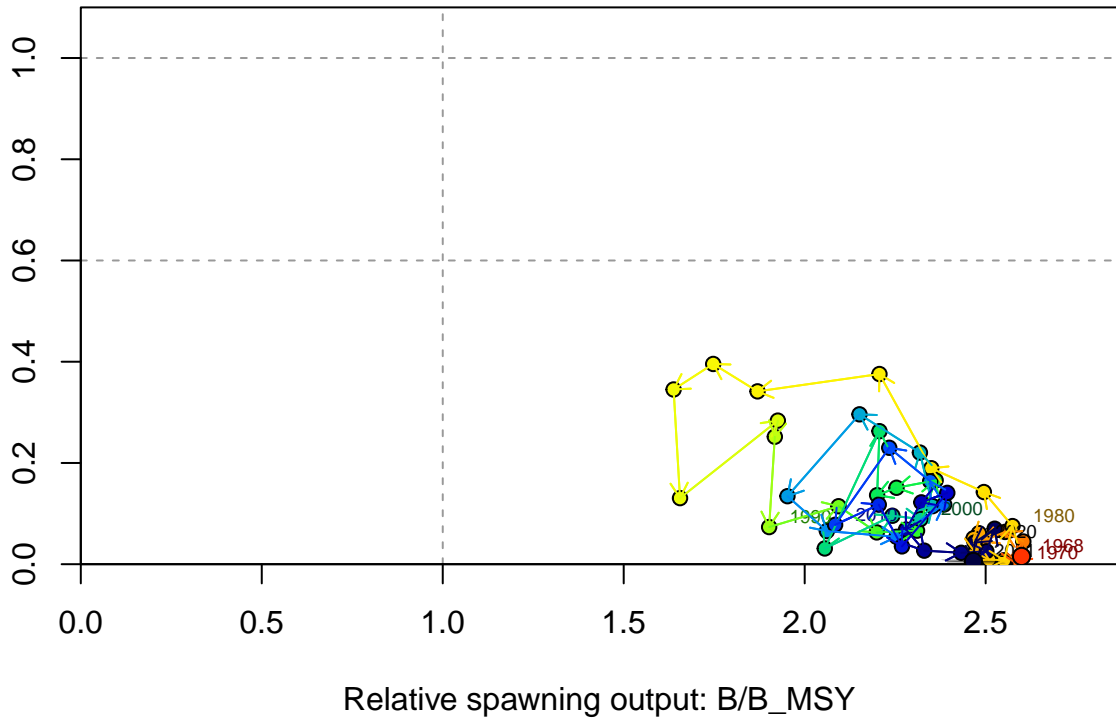
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR

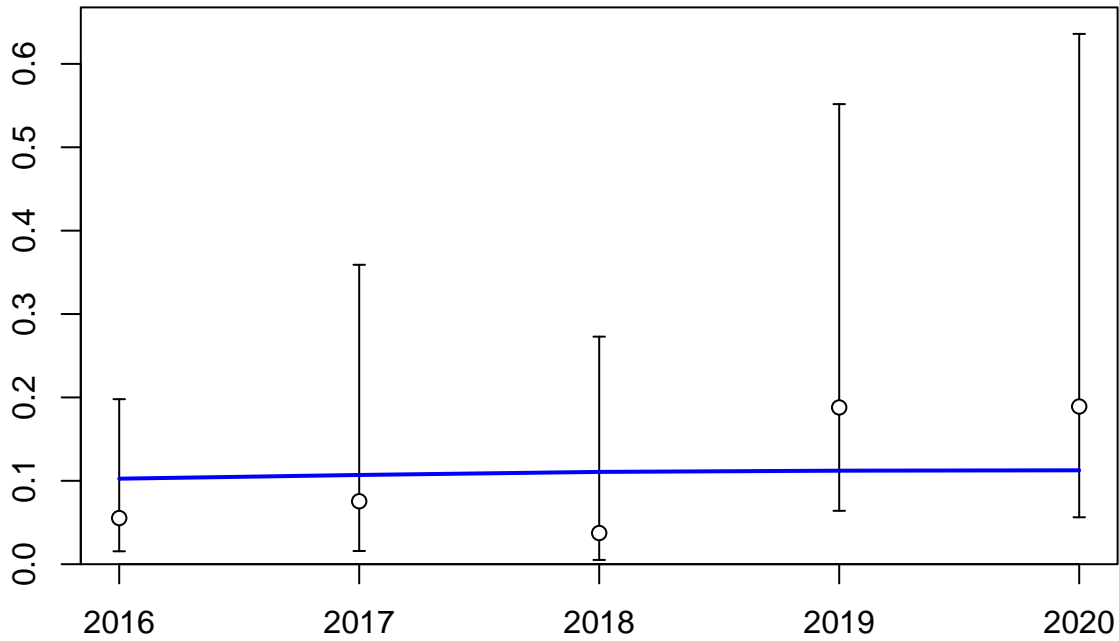


Index

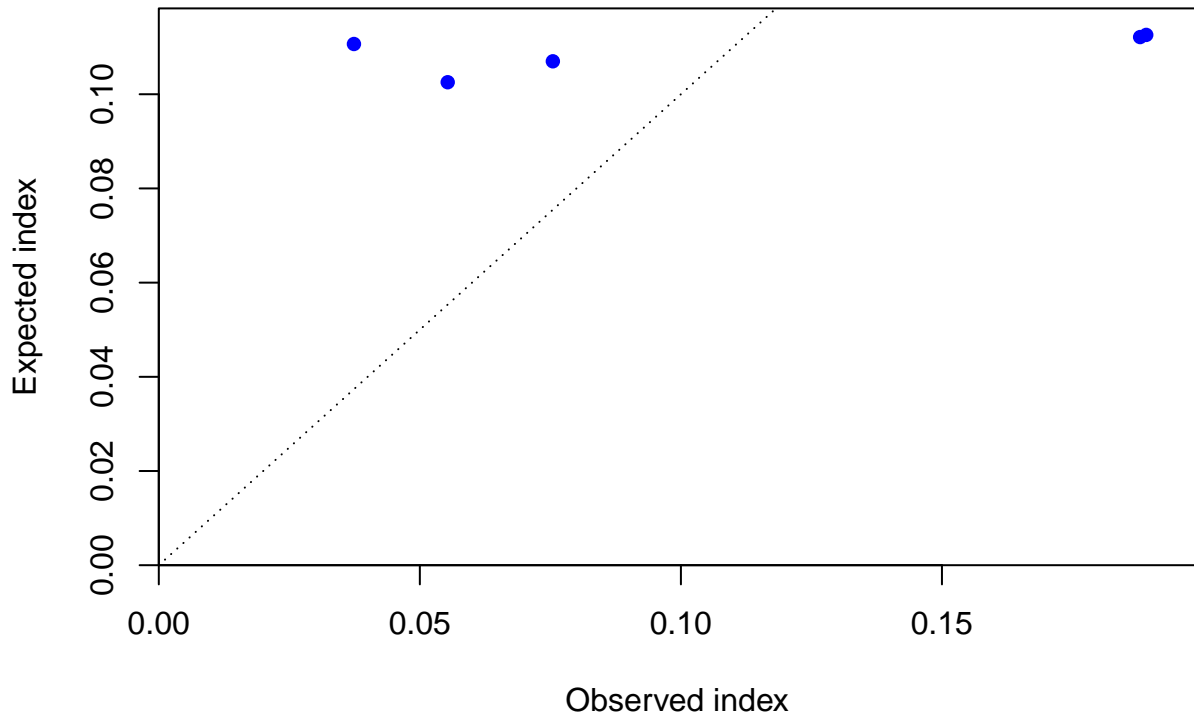


Year

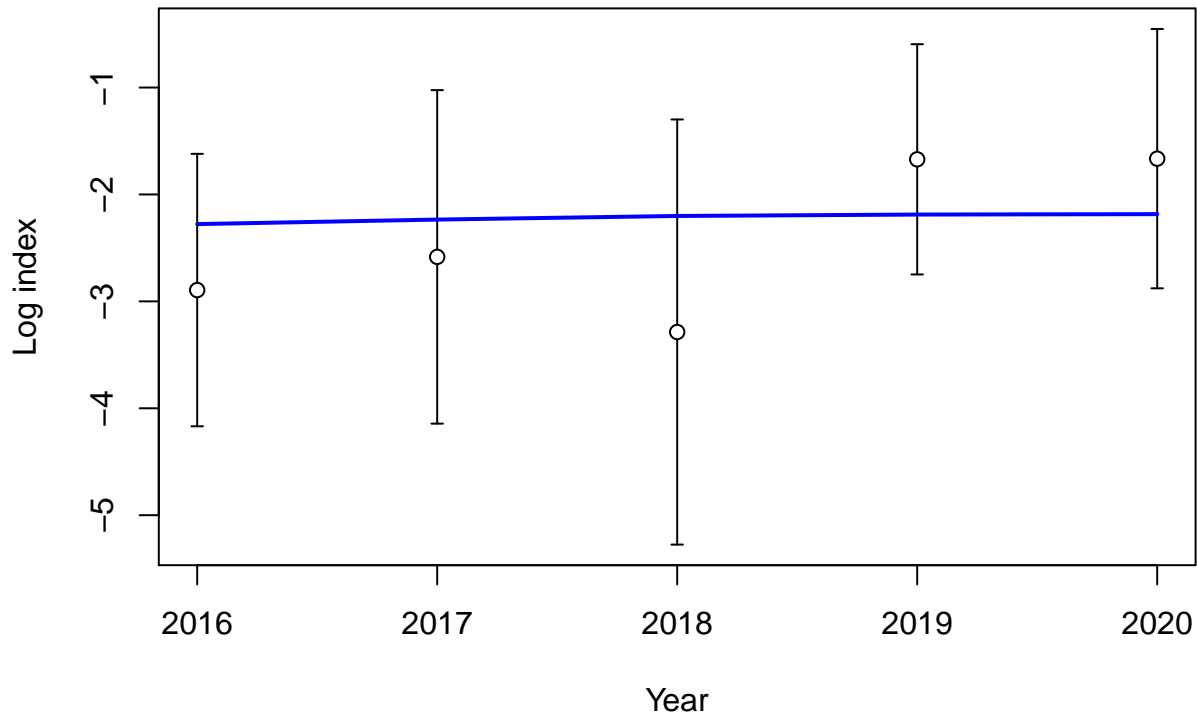
Index



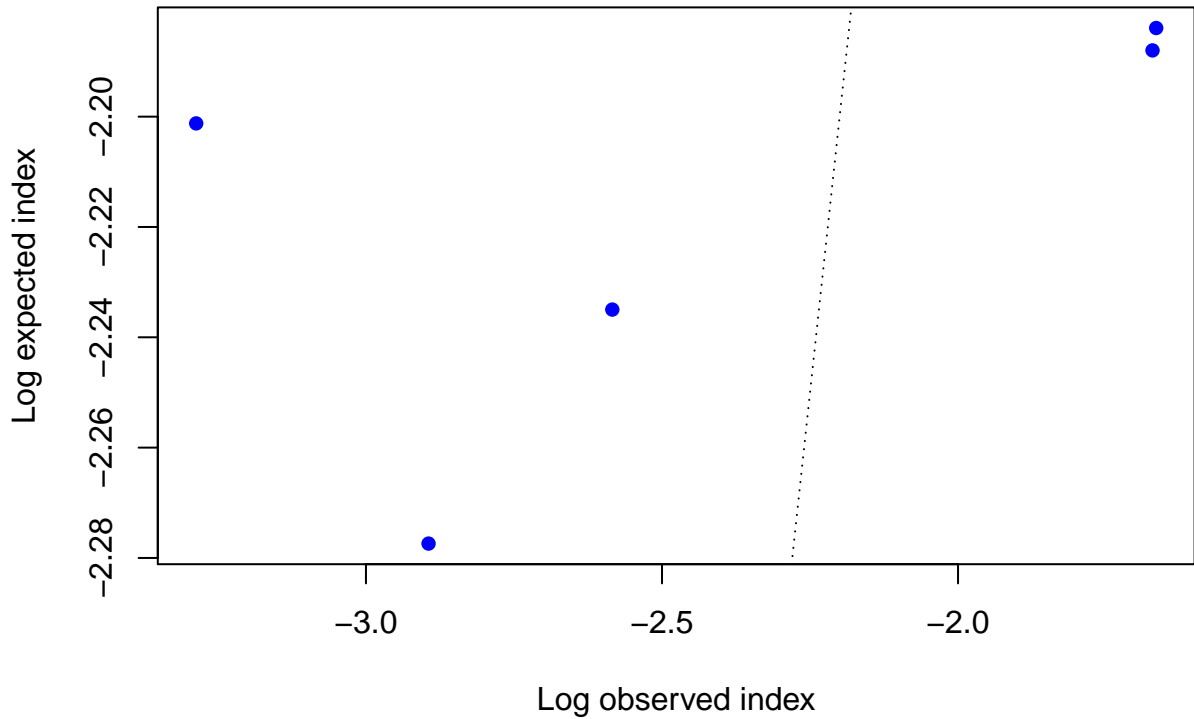
Year



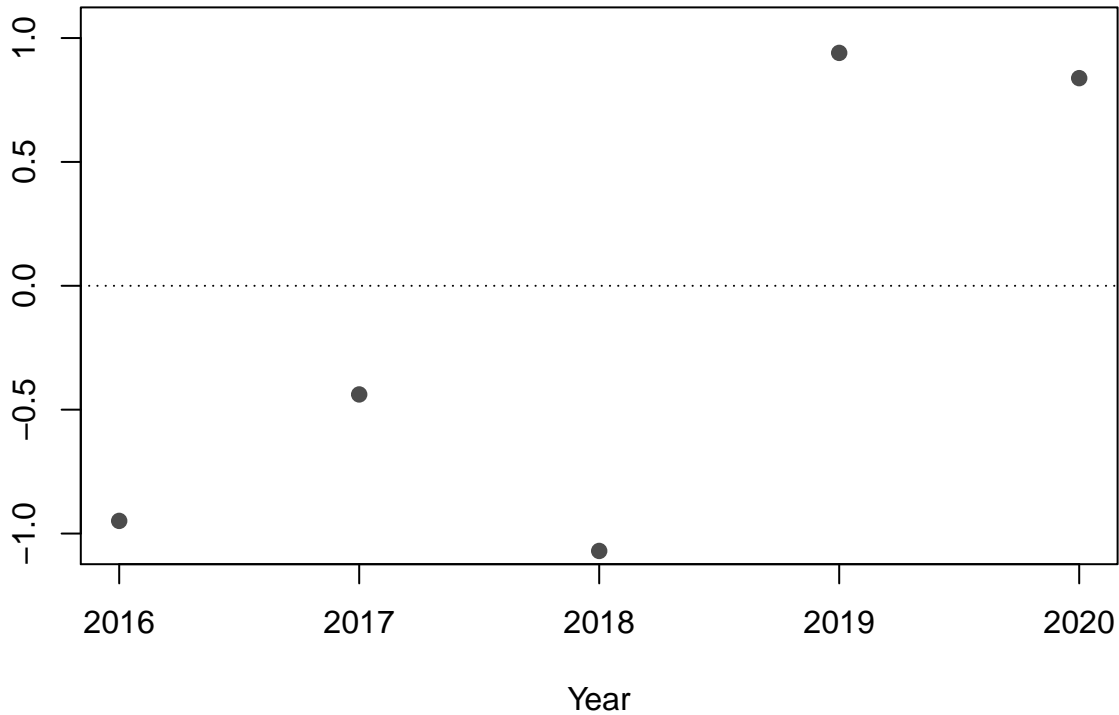


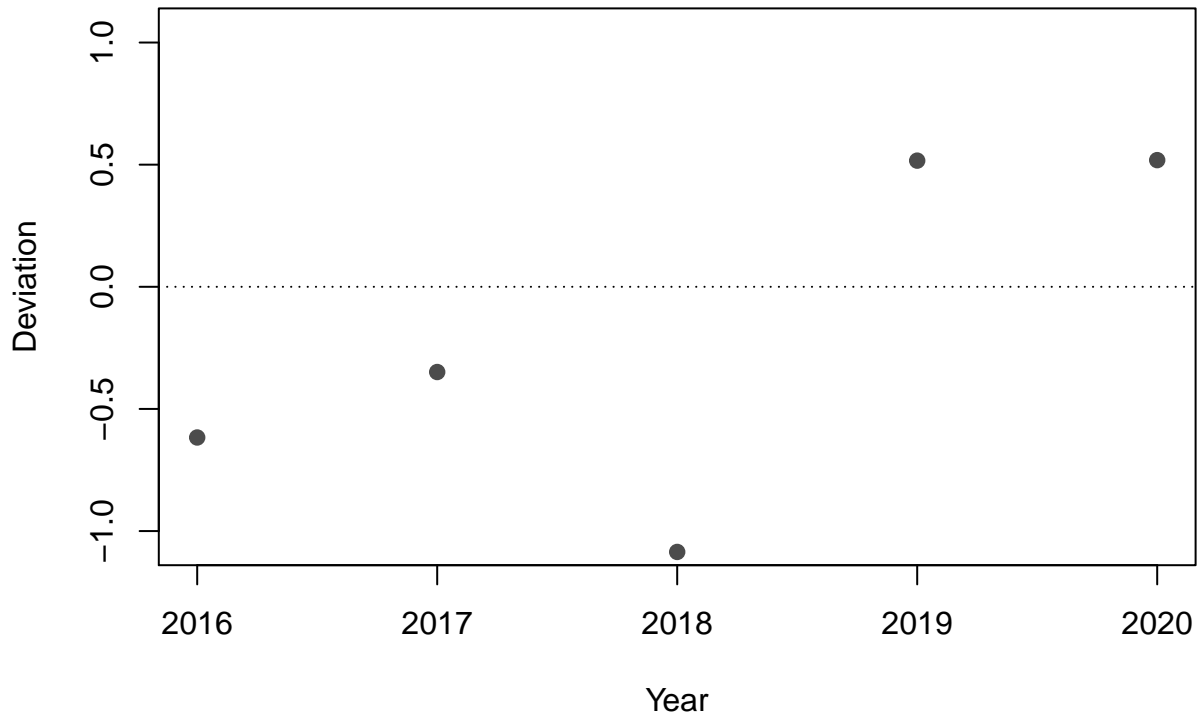






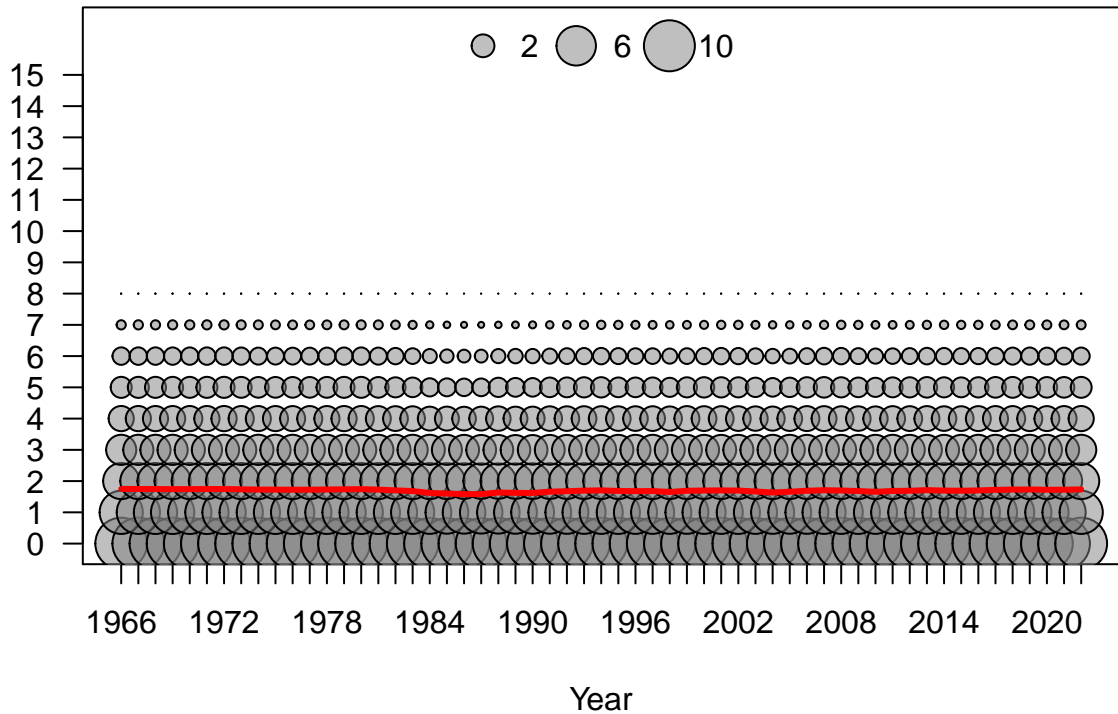
Residual



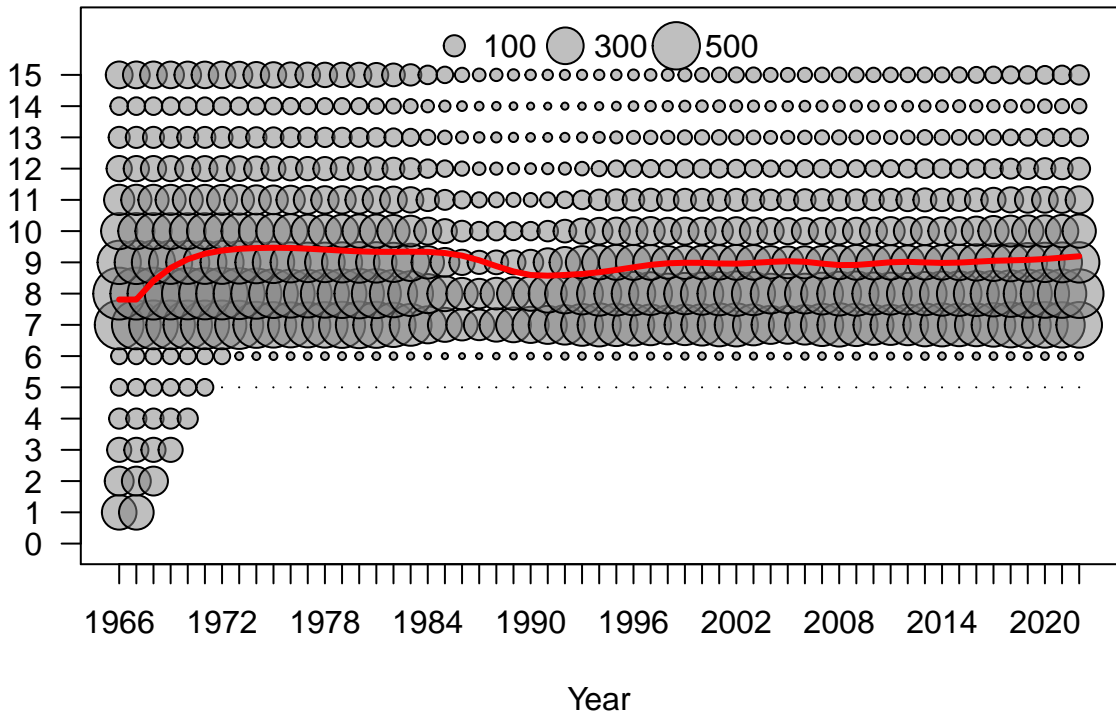


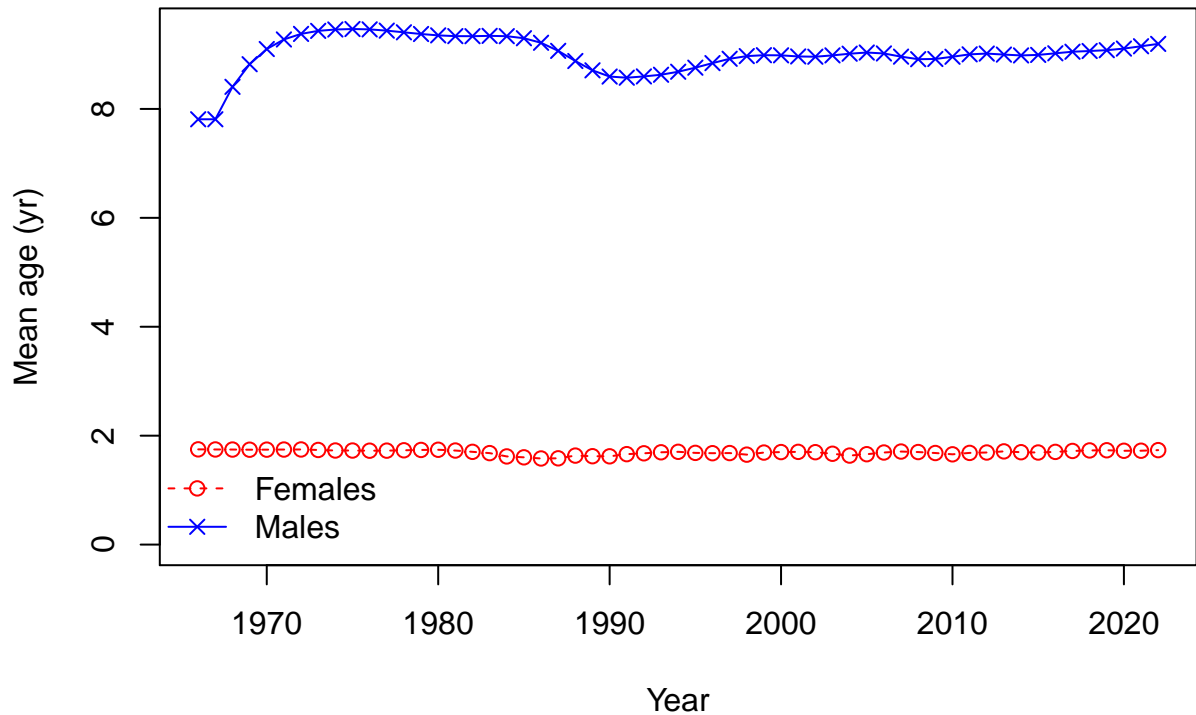


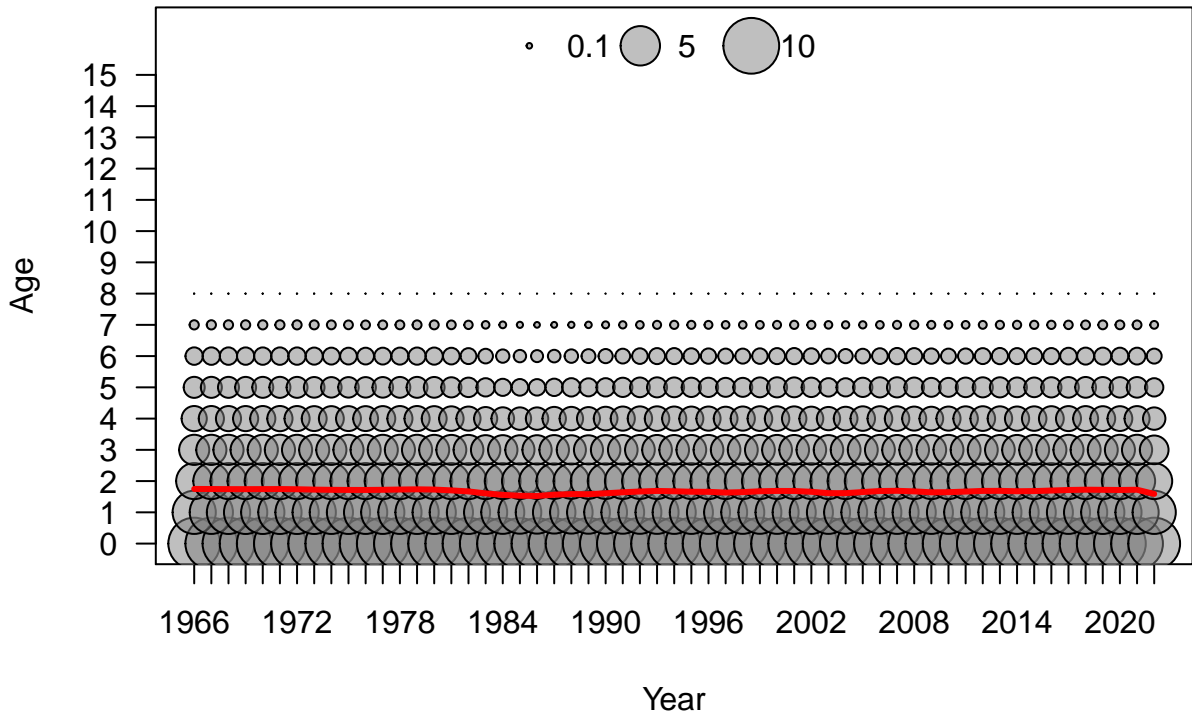
Age



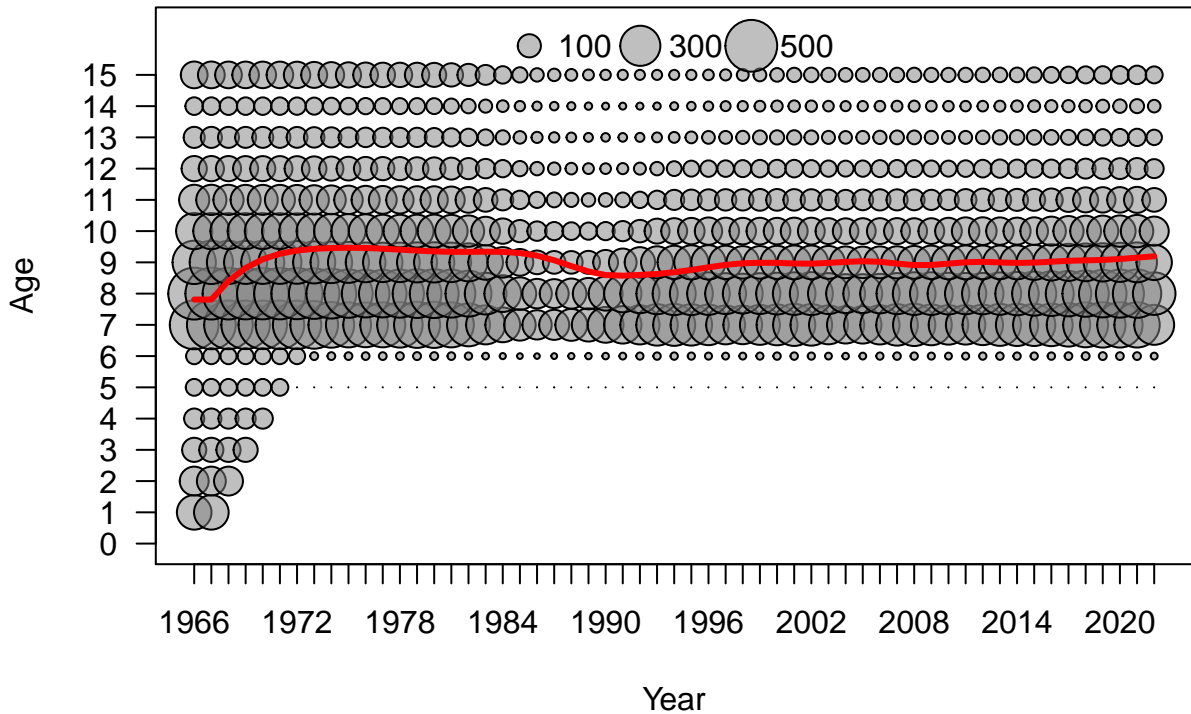
Age

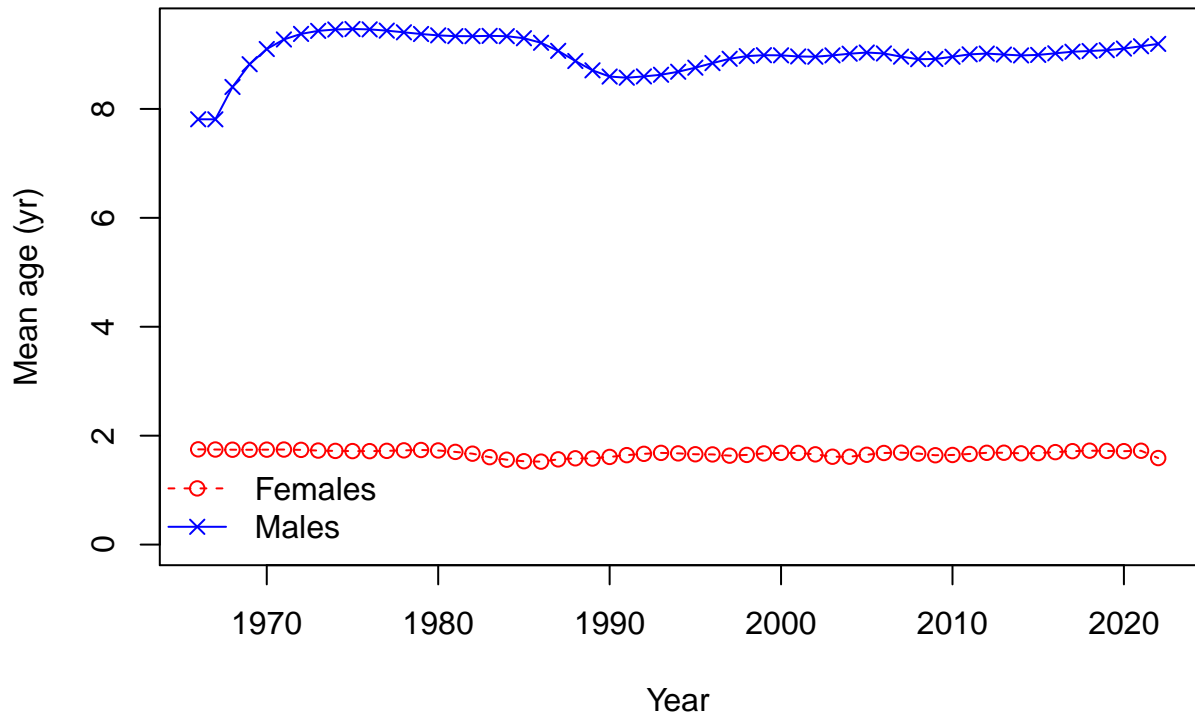




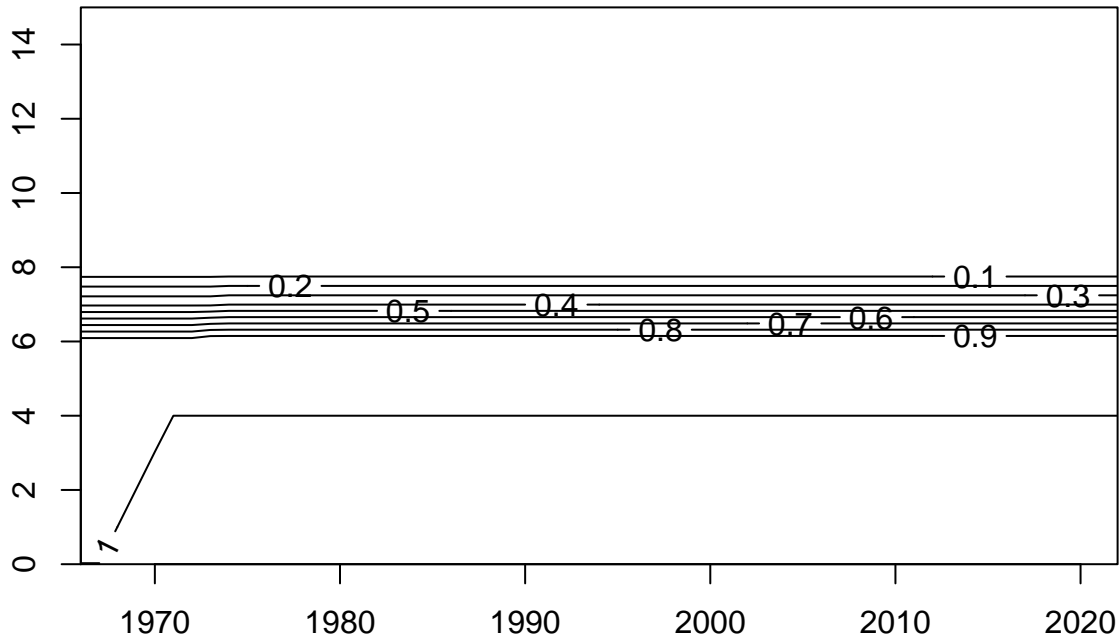




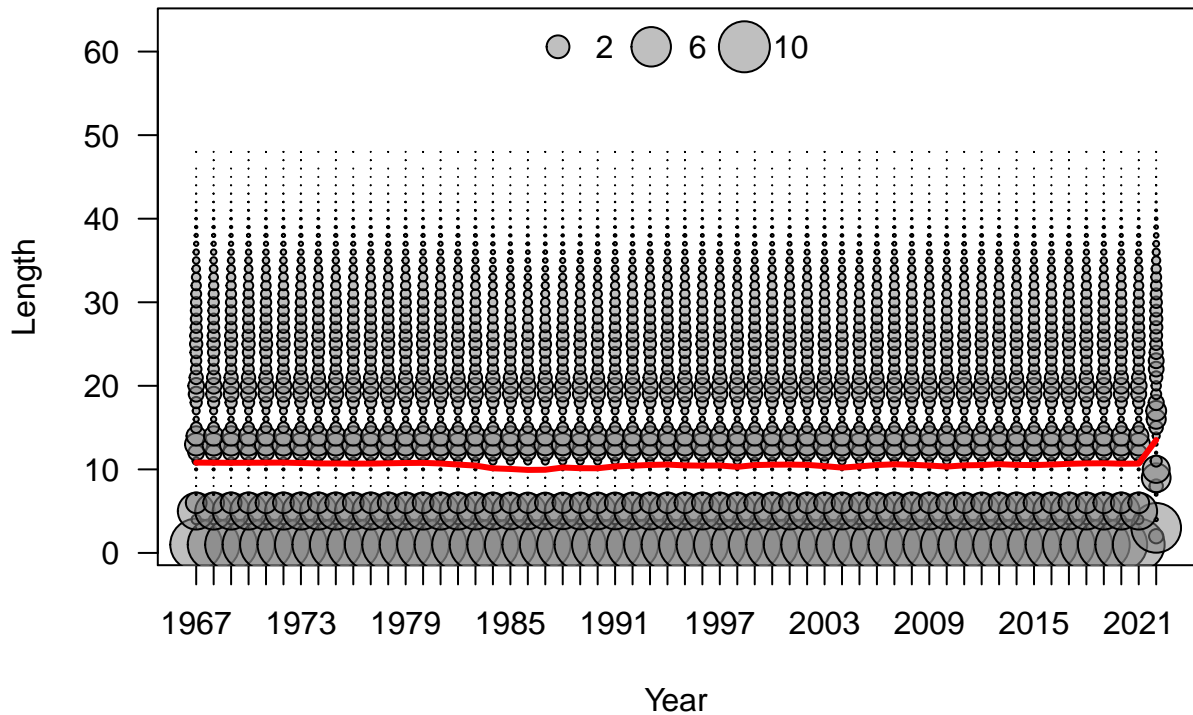


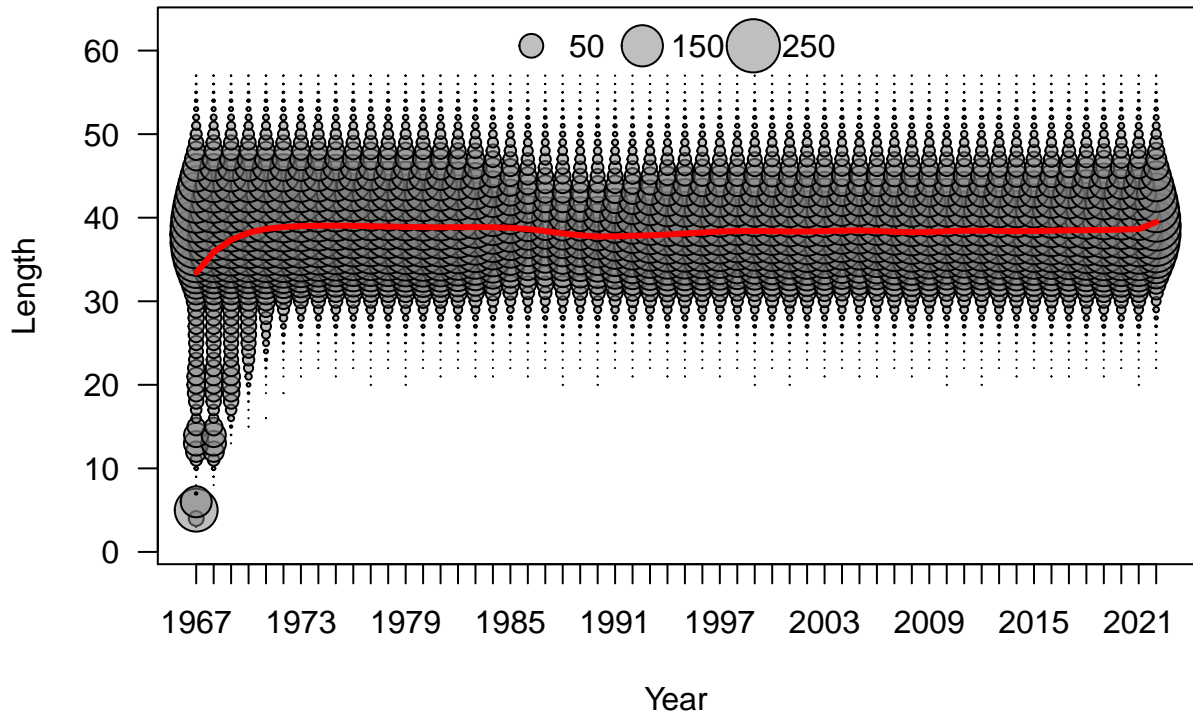


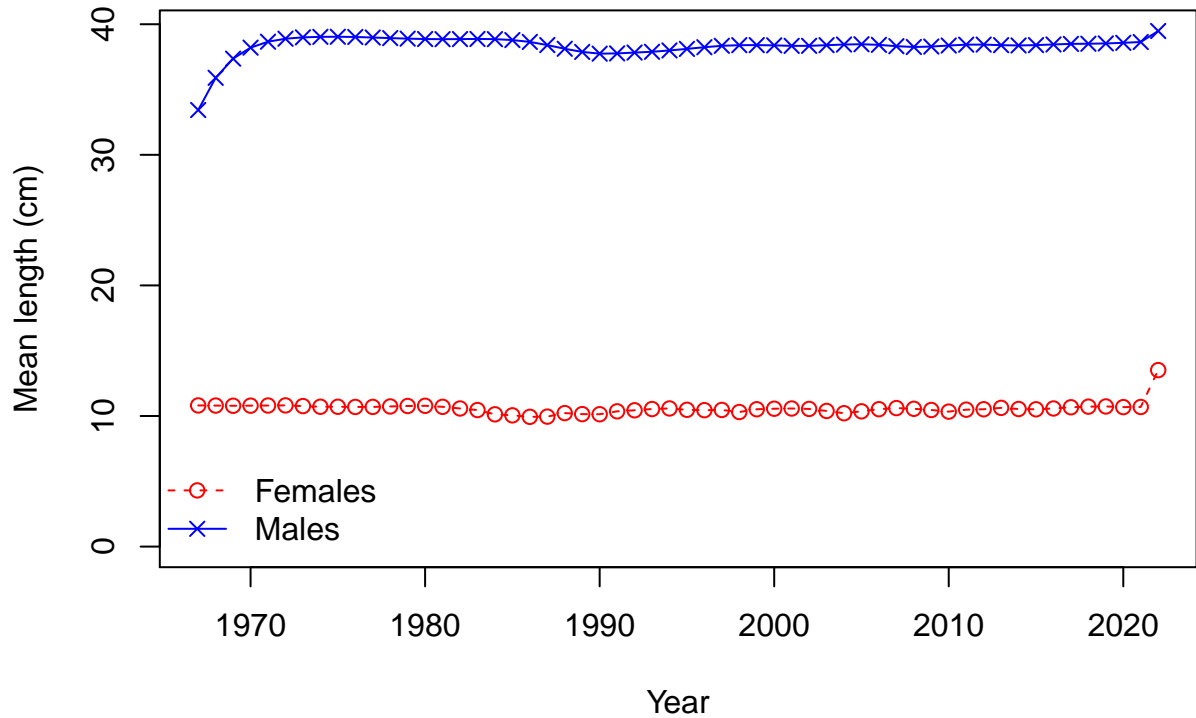
Age

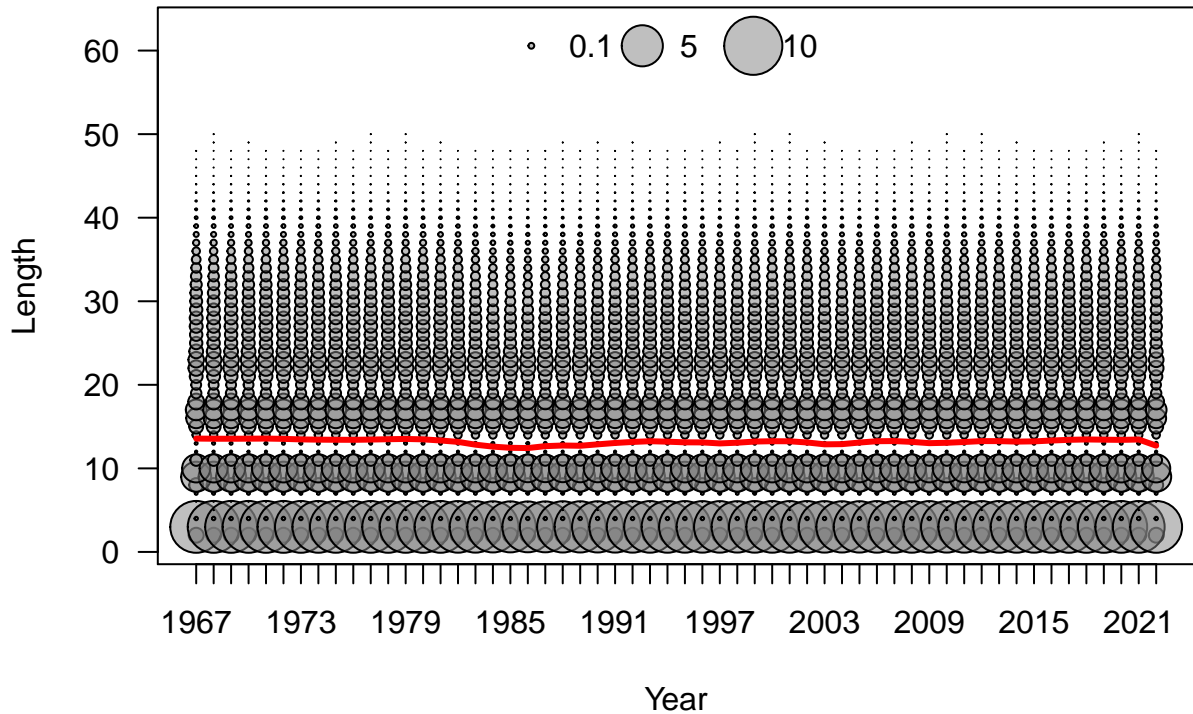


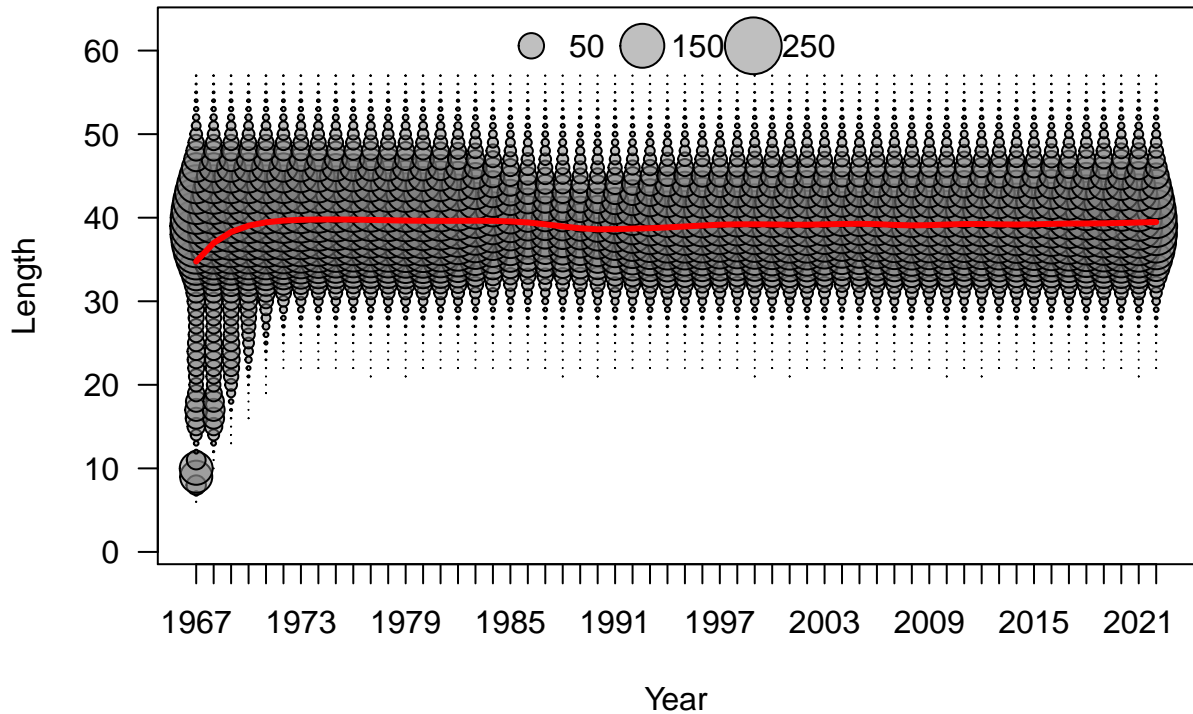
Year



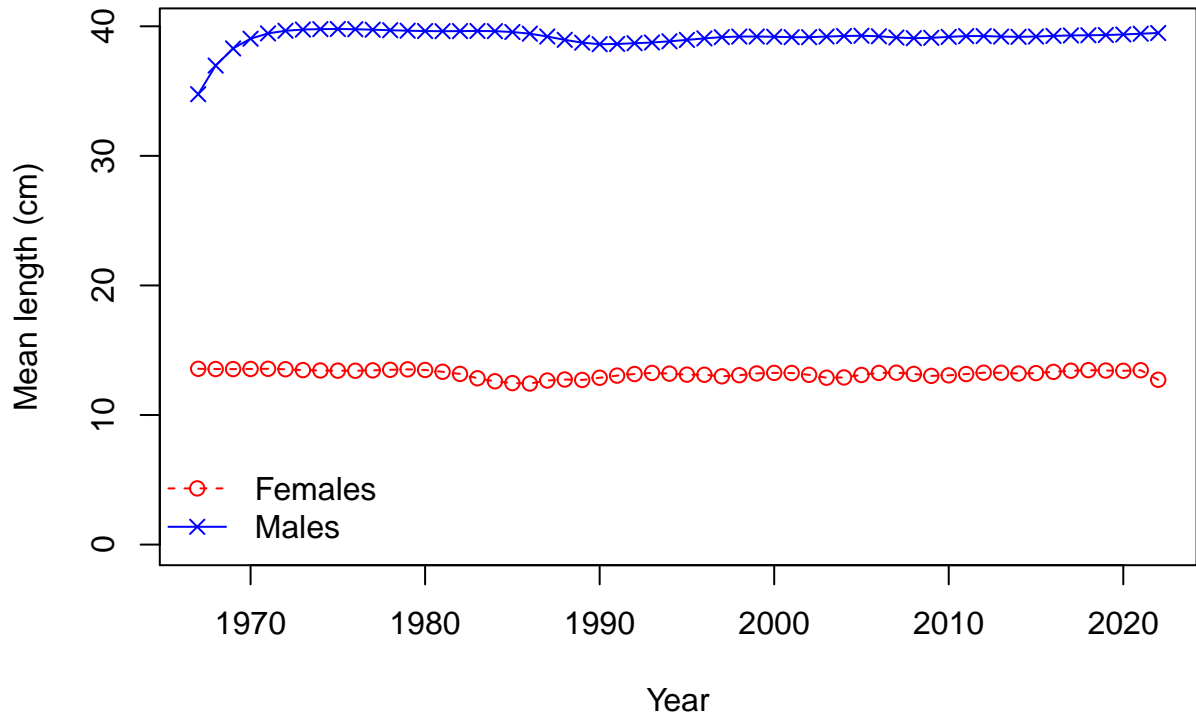


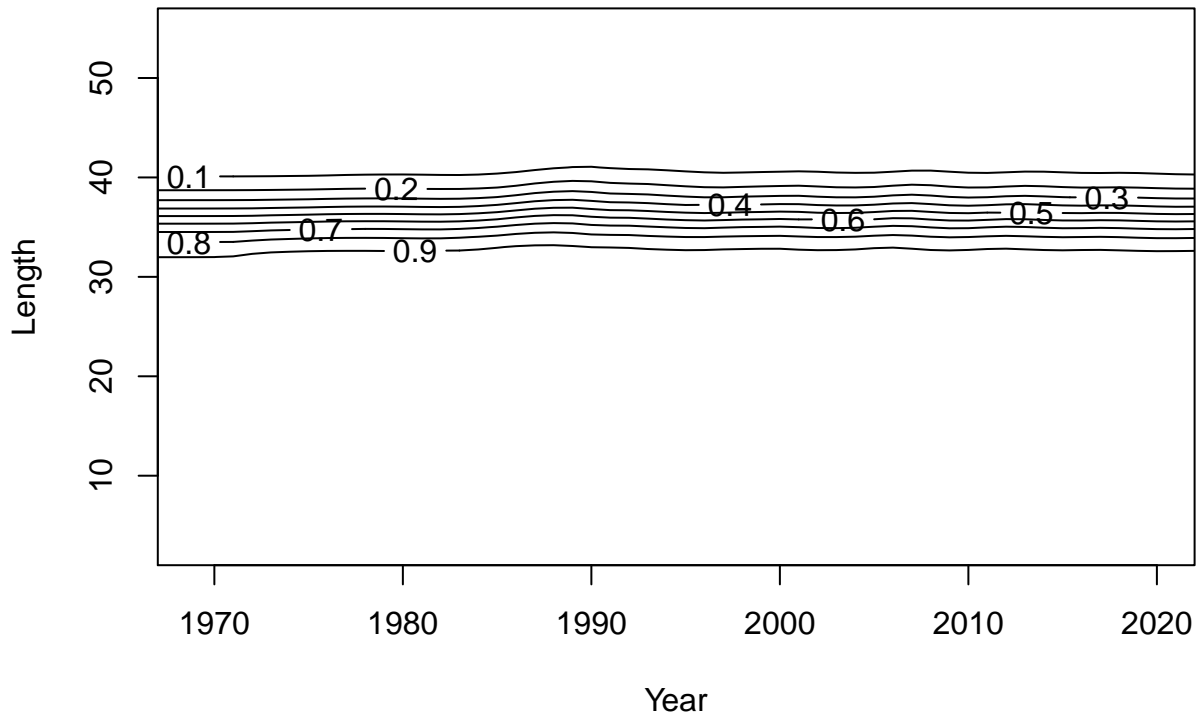


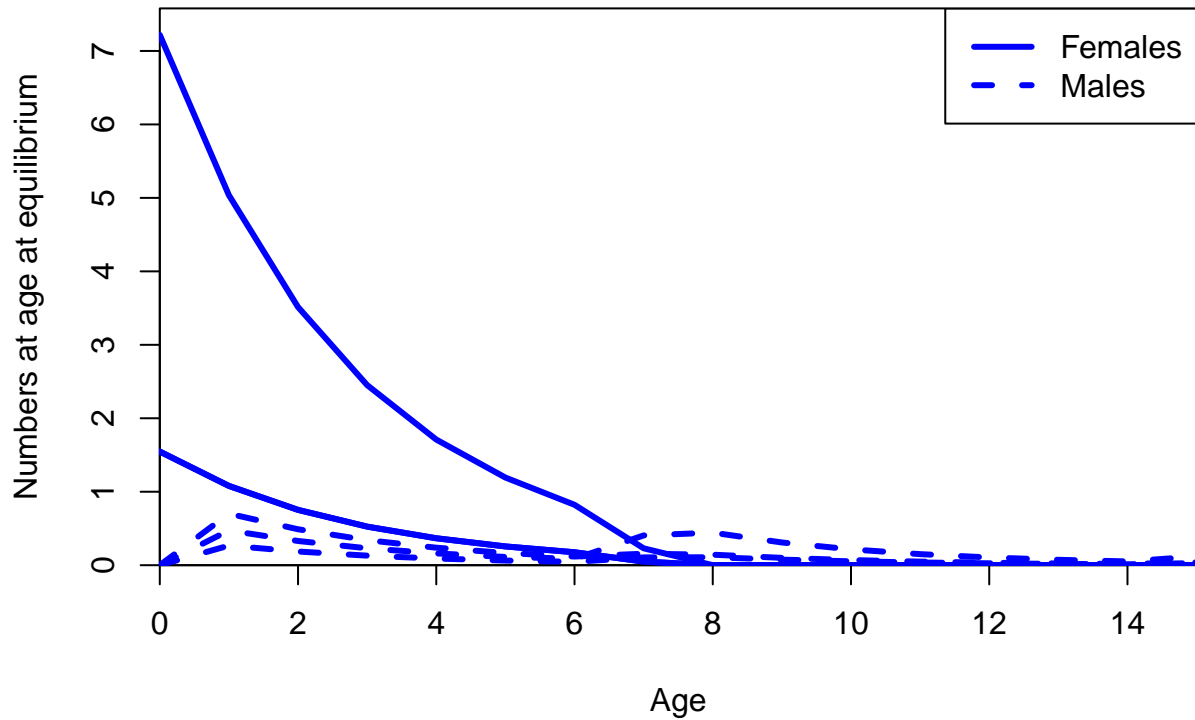


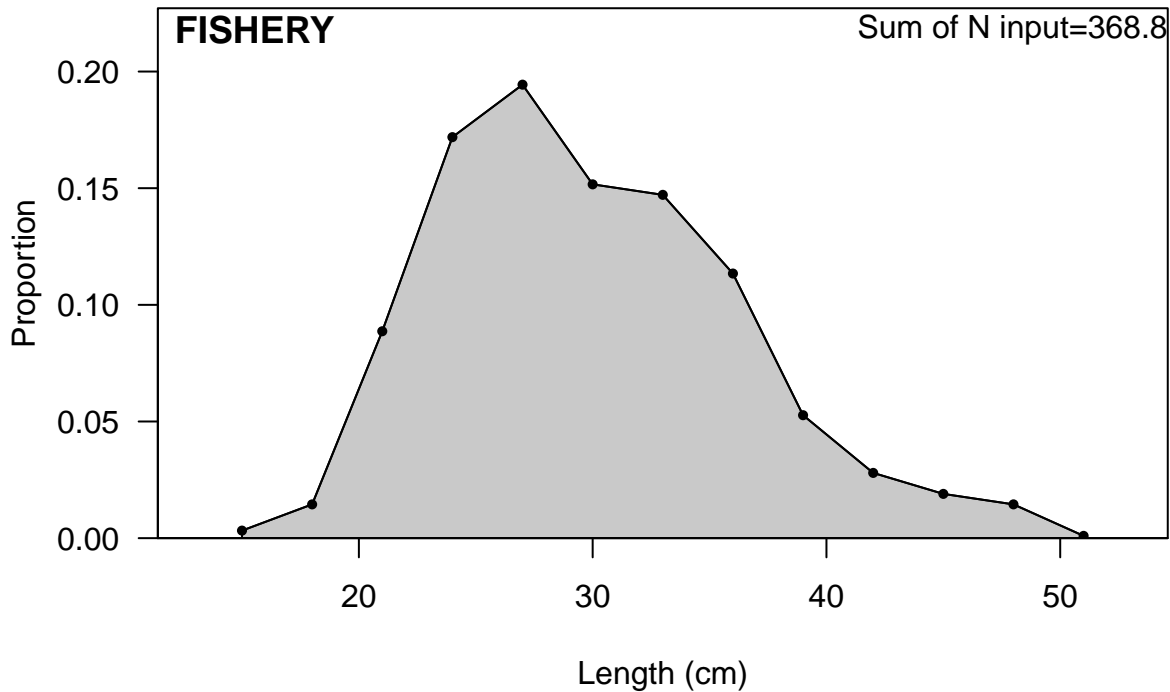


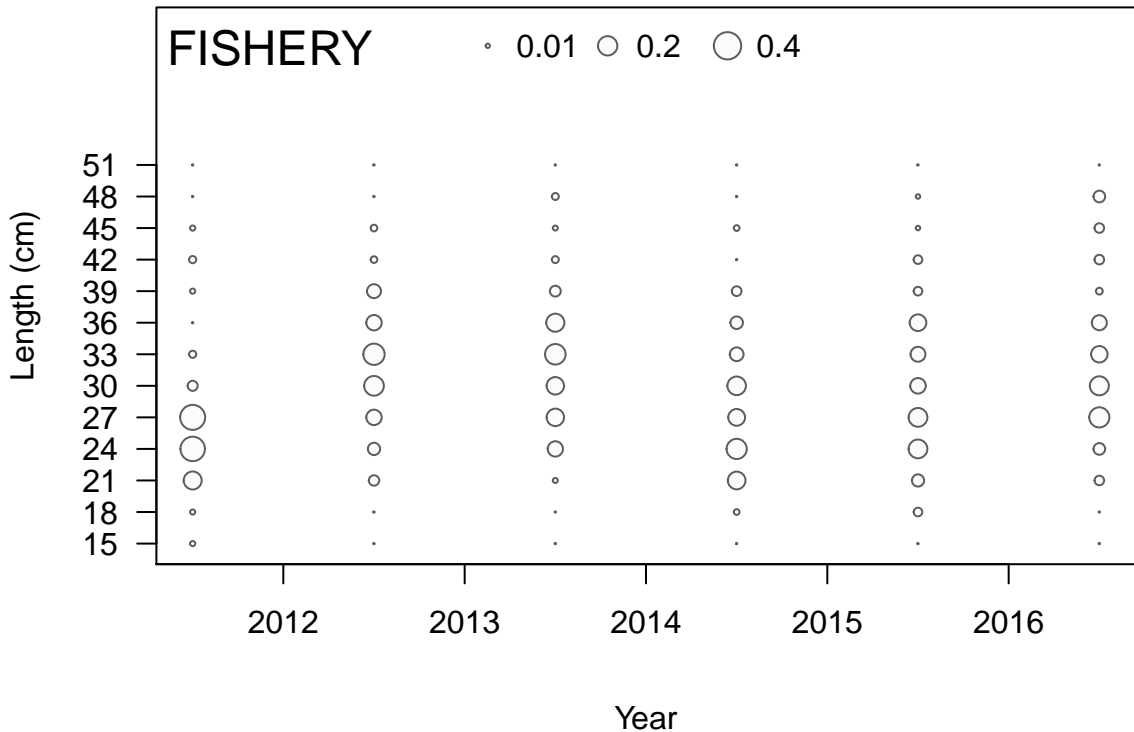












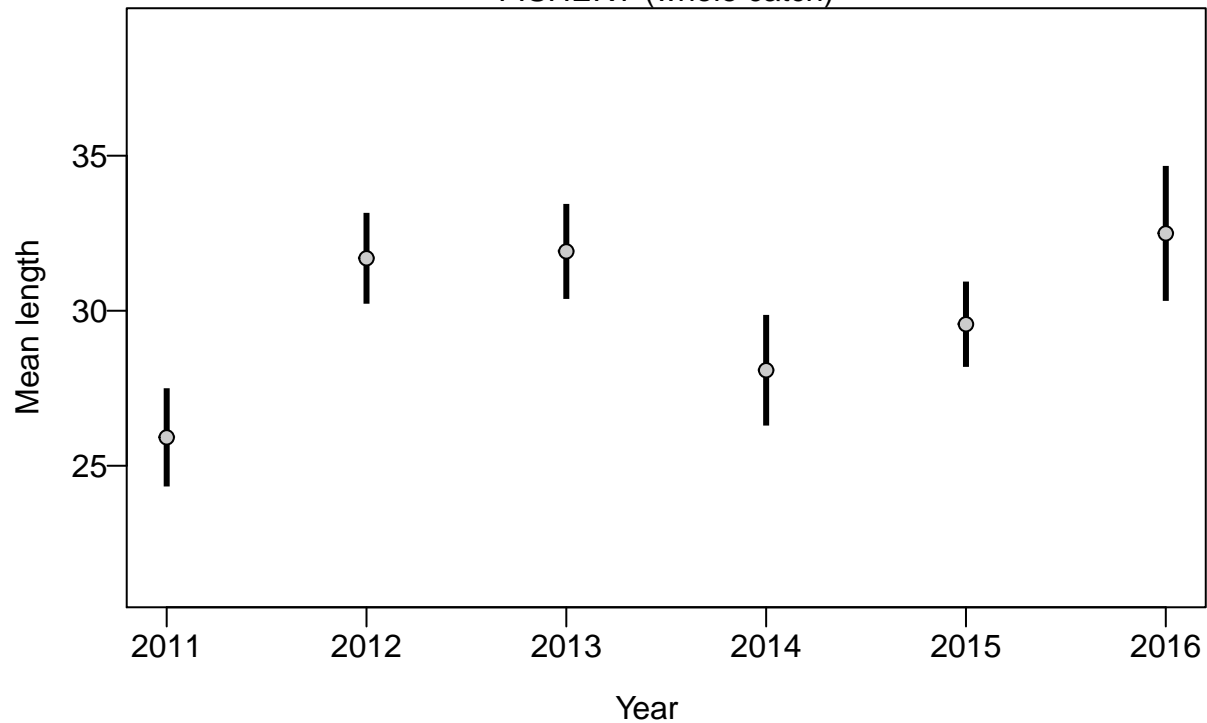
Proportion



Length (cm)



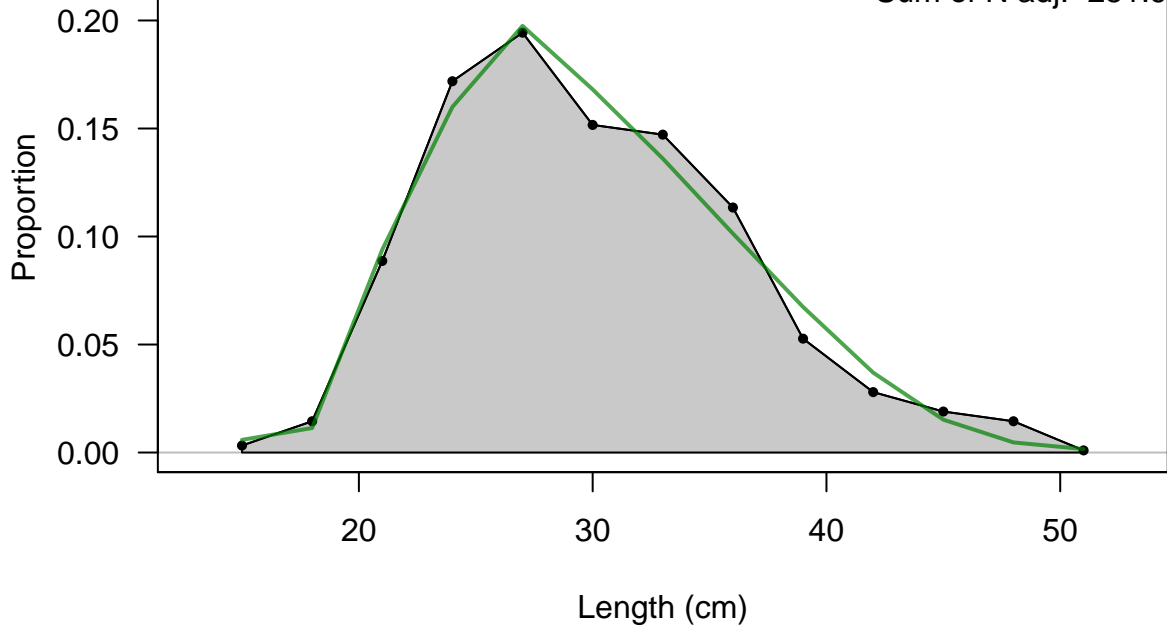
FISHERY (whole catch)

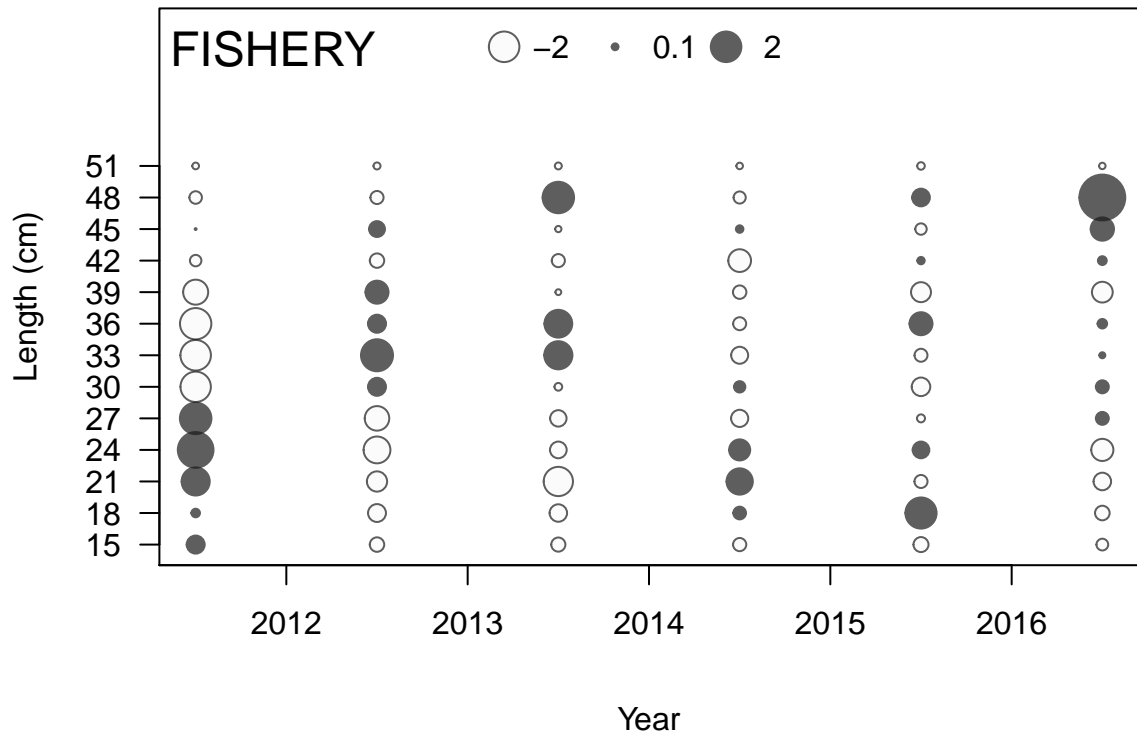




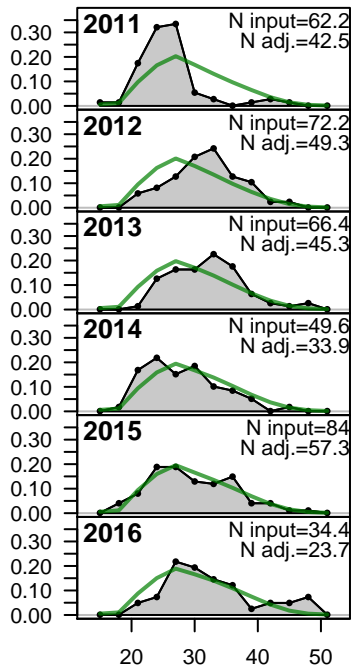
# FISHERY

Sum of N input=368.8  
Sum of N adj.=251.9

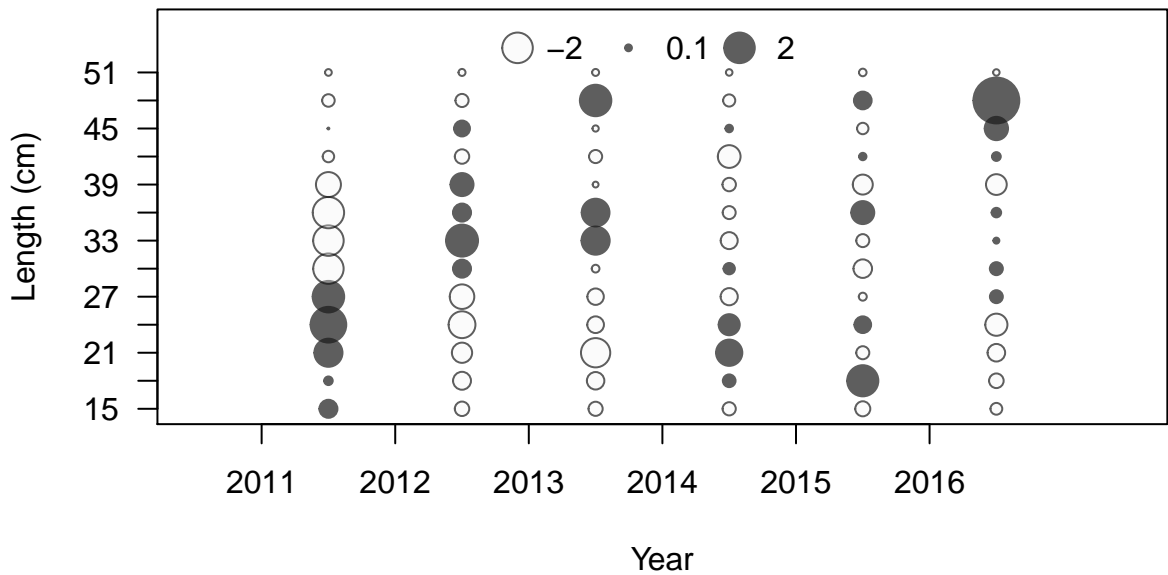




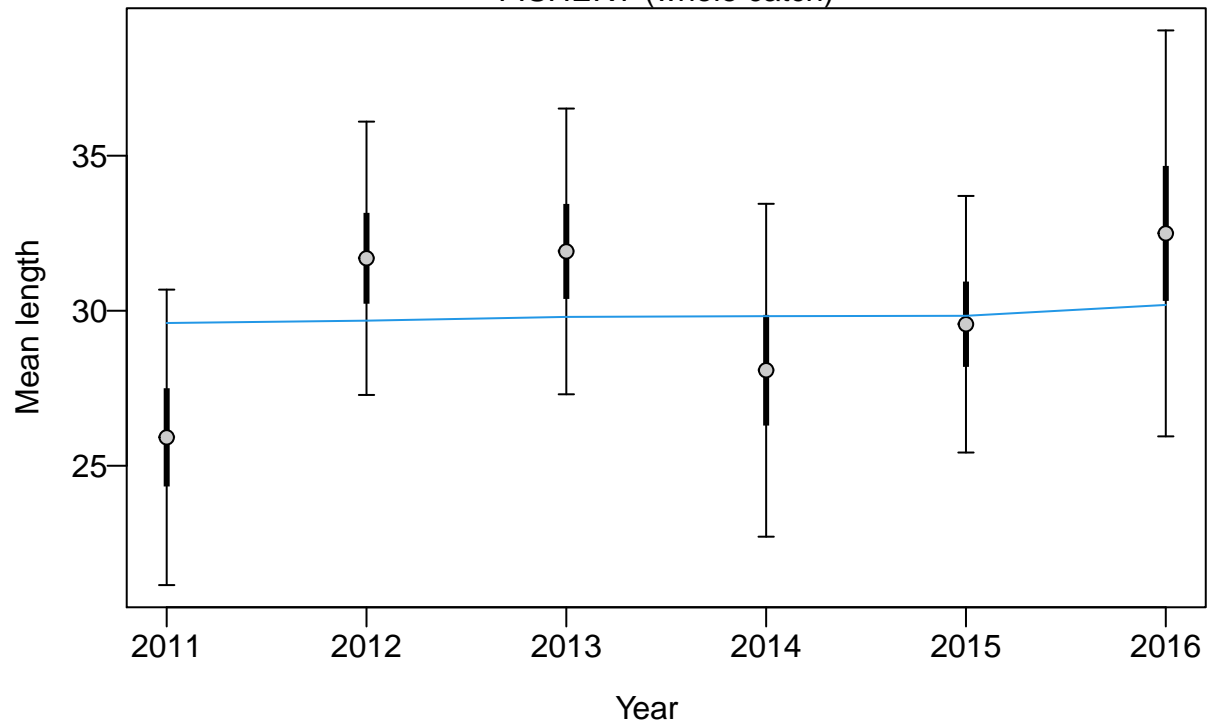
Proportion

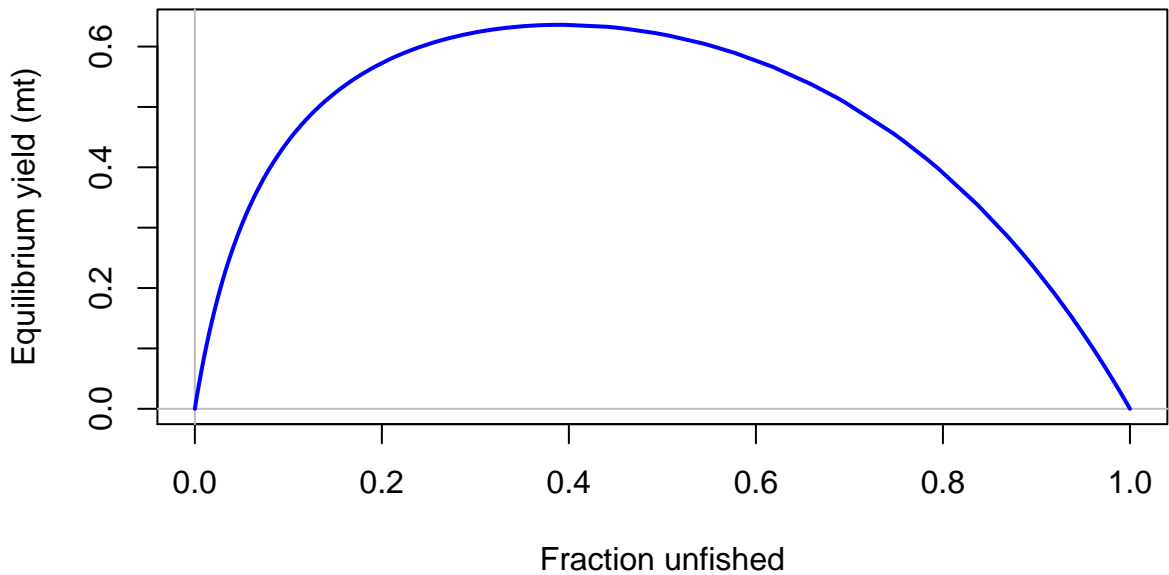


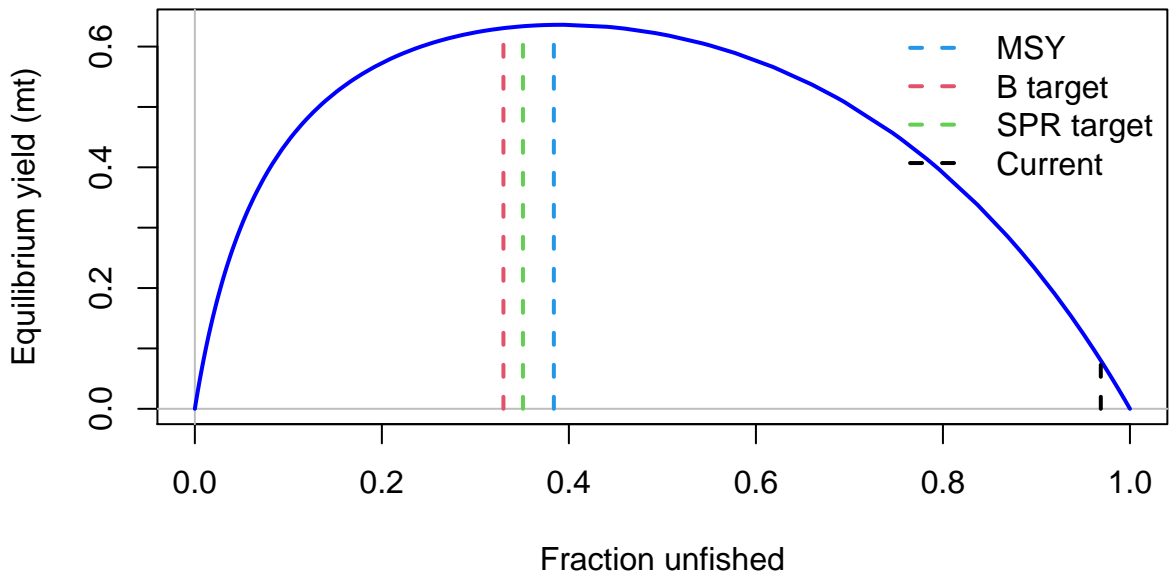
Length (cm)

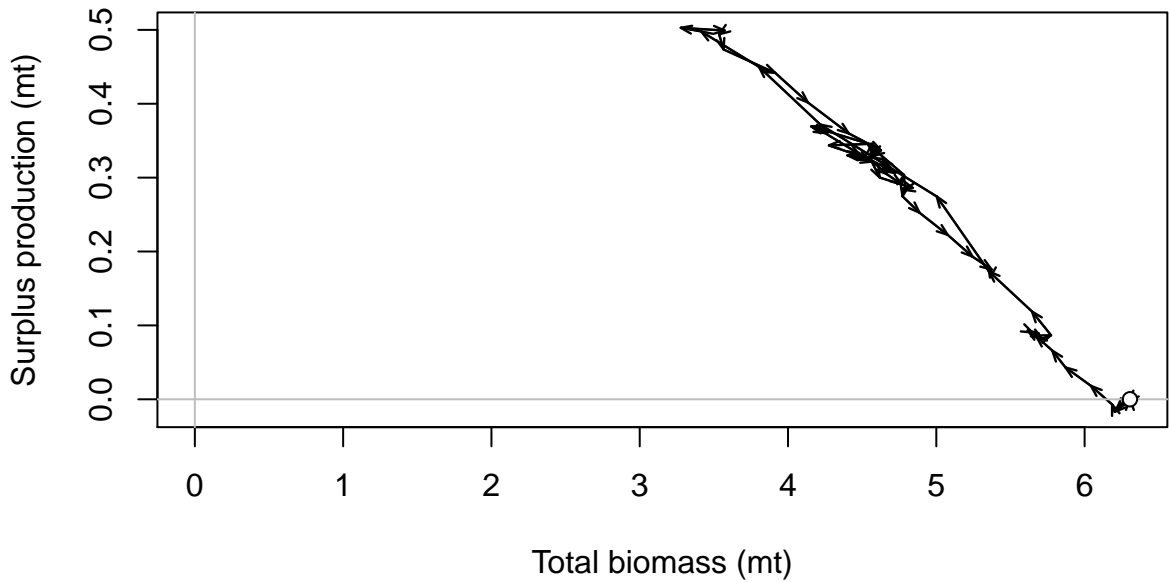


FISHERY (whole catch)

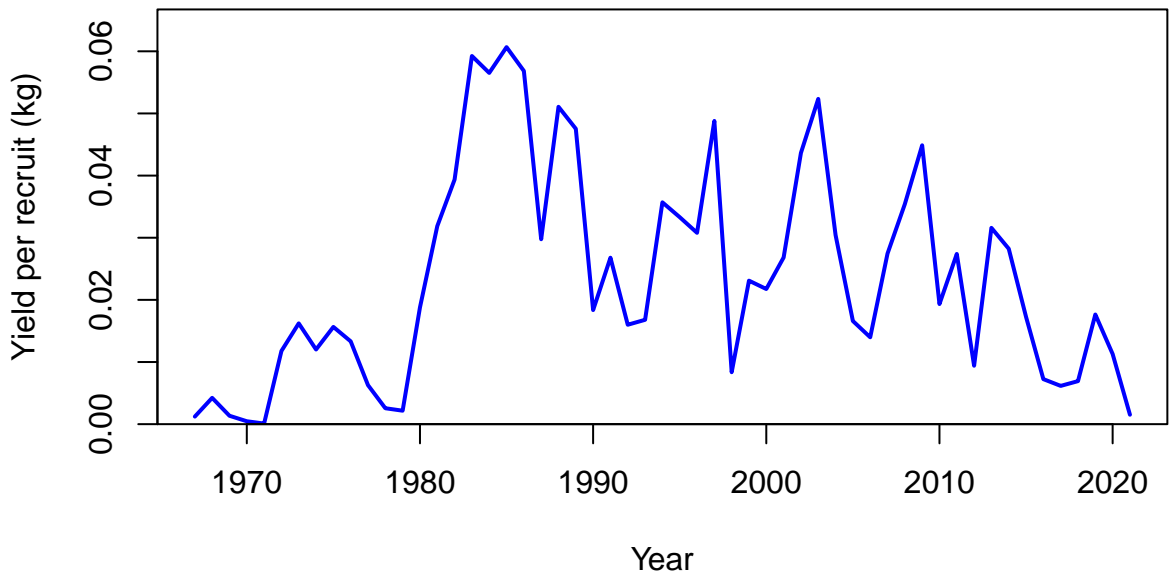










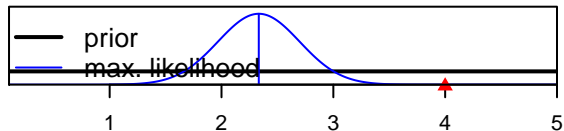




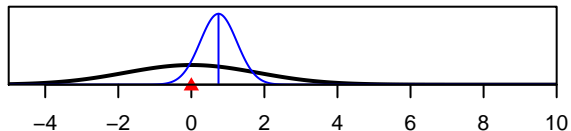


Density

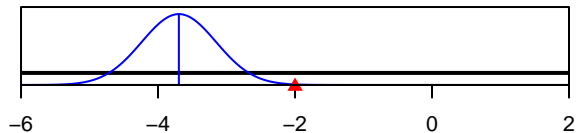
SR\_LN(R0)



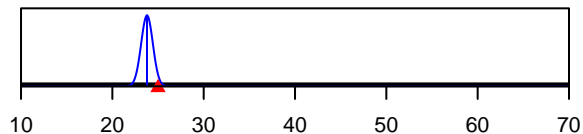
ln(DM\_theta)\_1



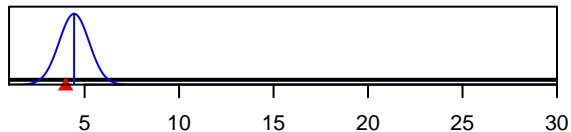
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value