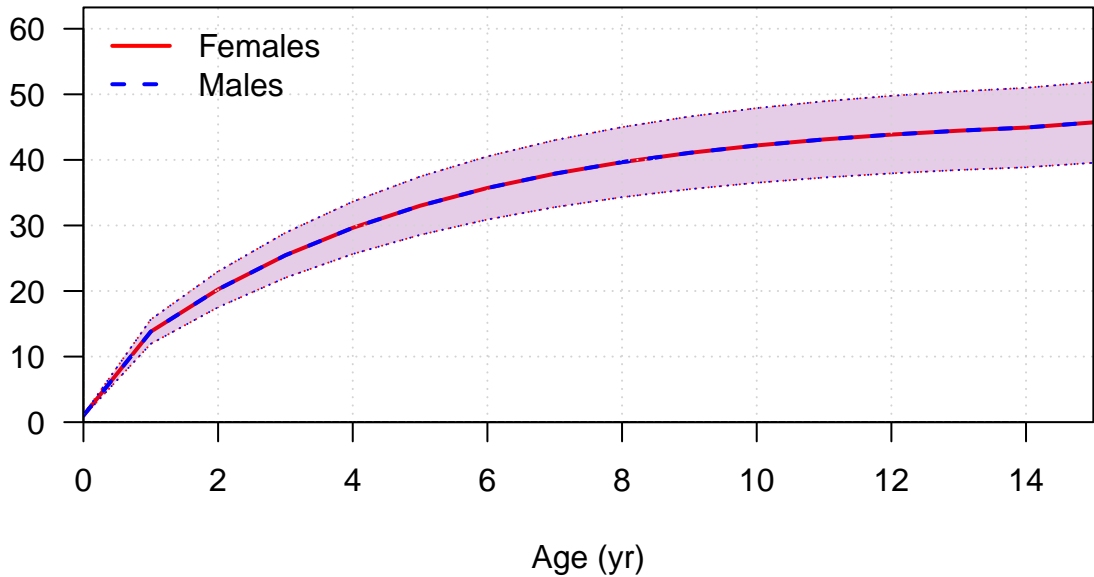
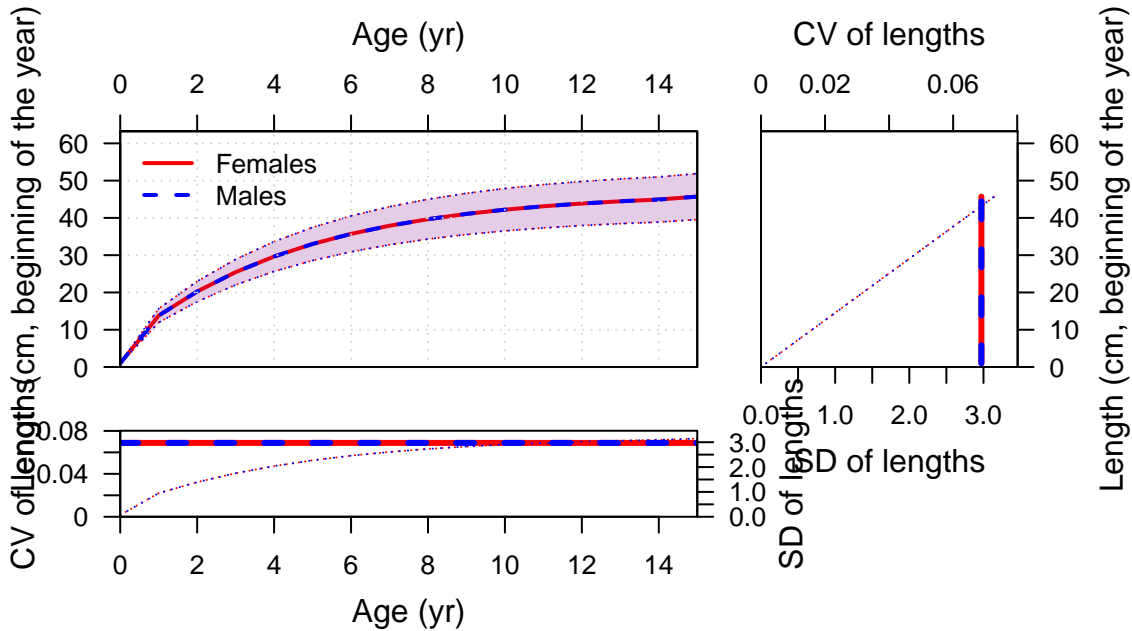
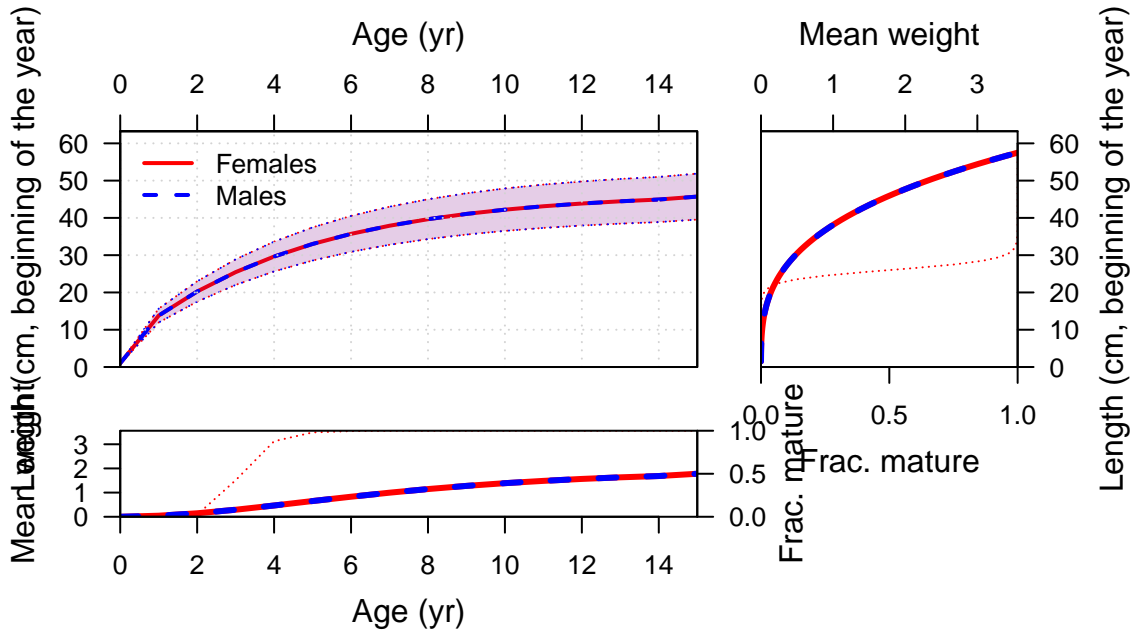


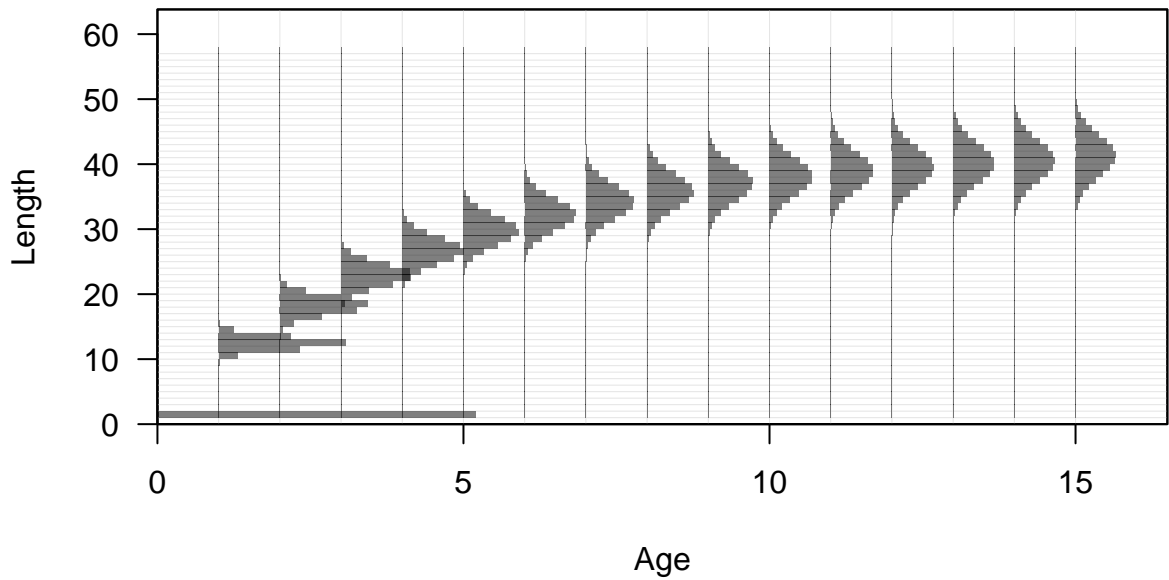
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Dec 13 10:27:39 2022
Data_File: data.ss
Control_File: control.ss

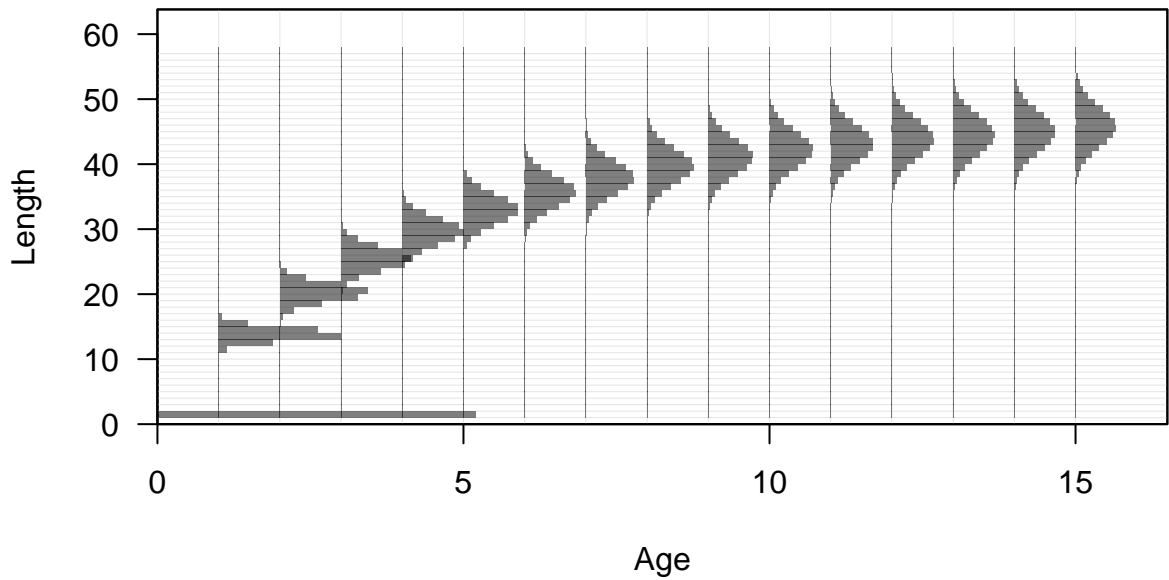
Length (cm, beginning of the year)

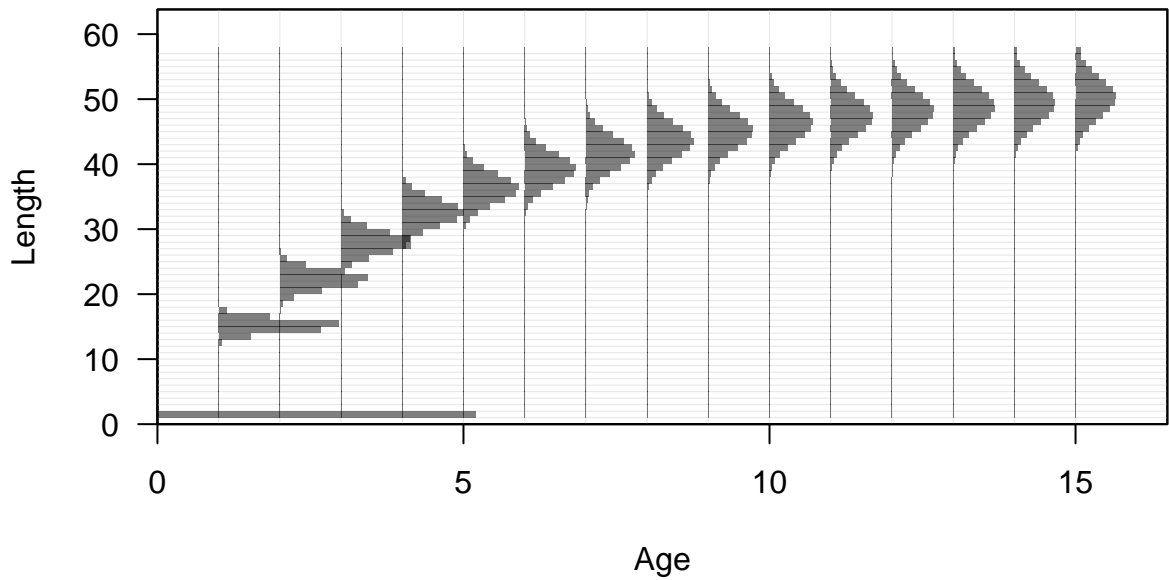


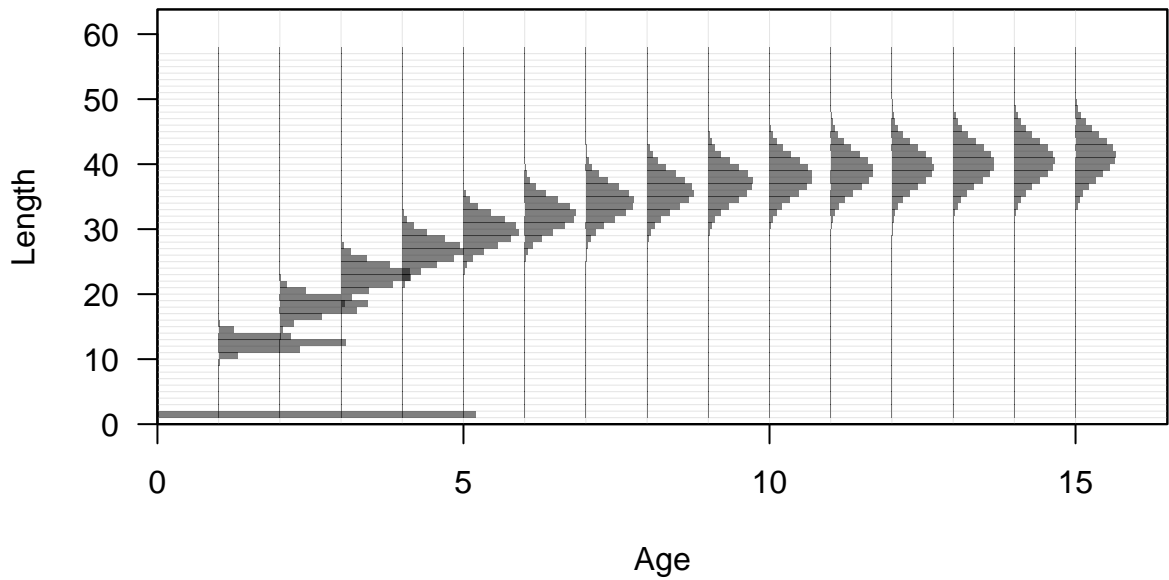


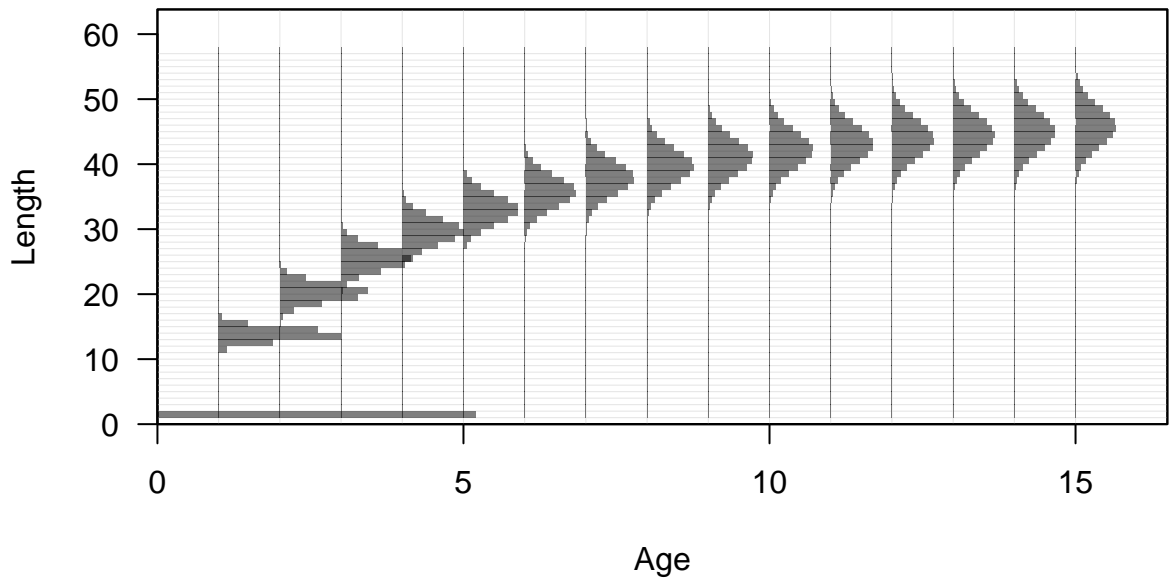


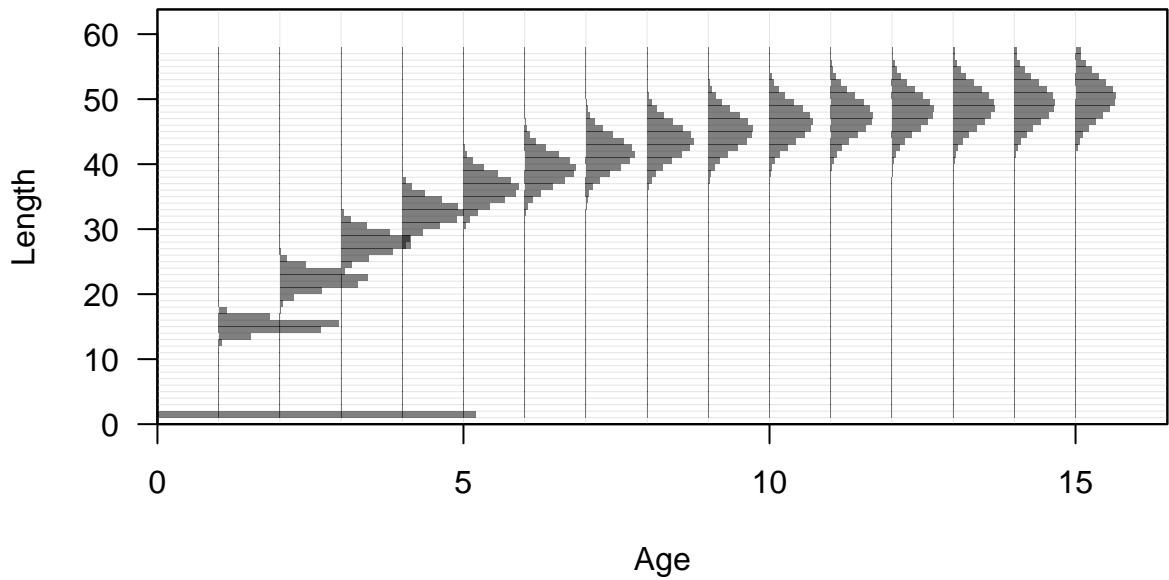


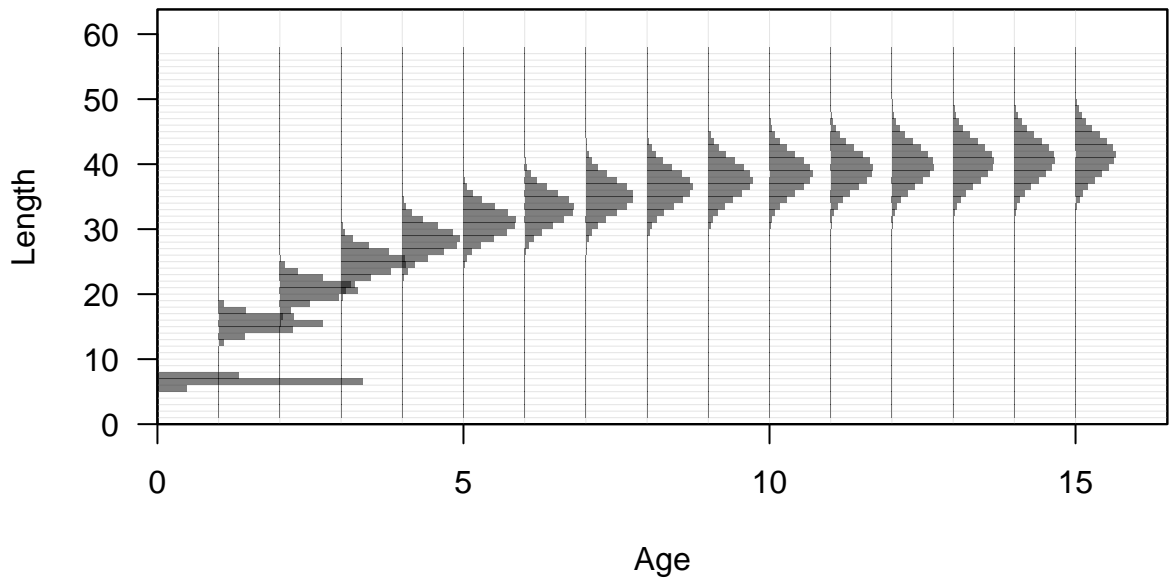


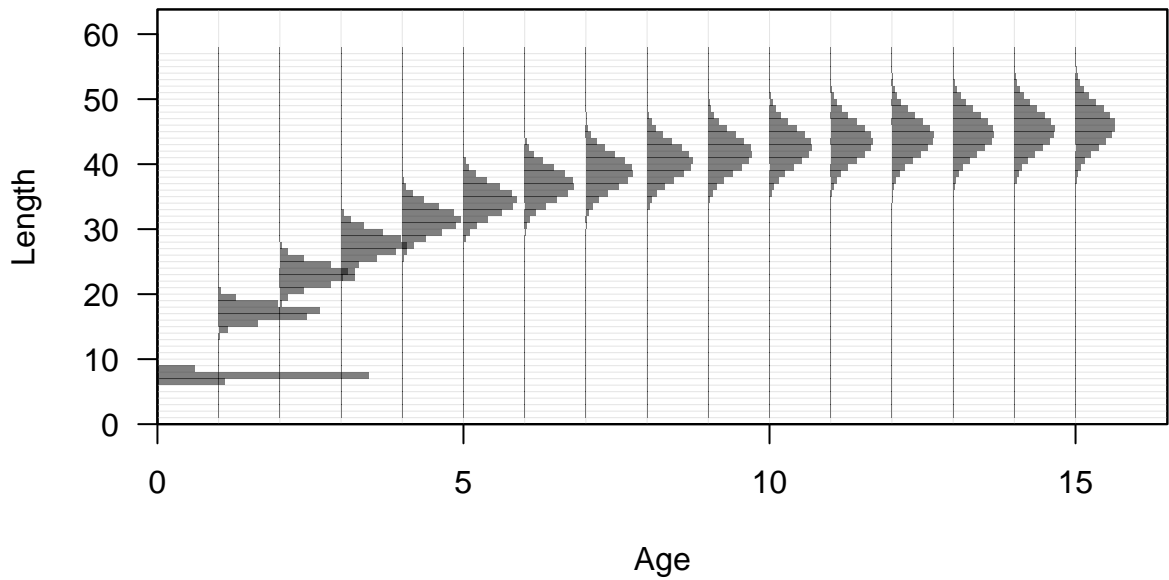


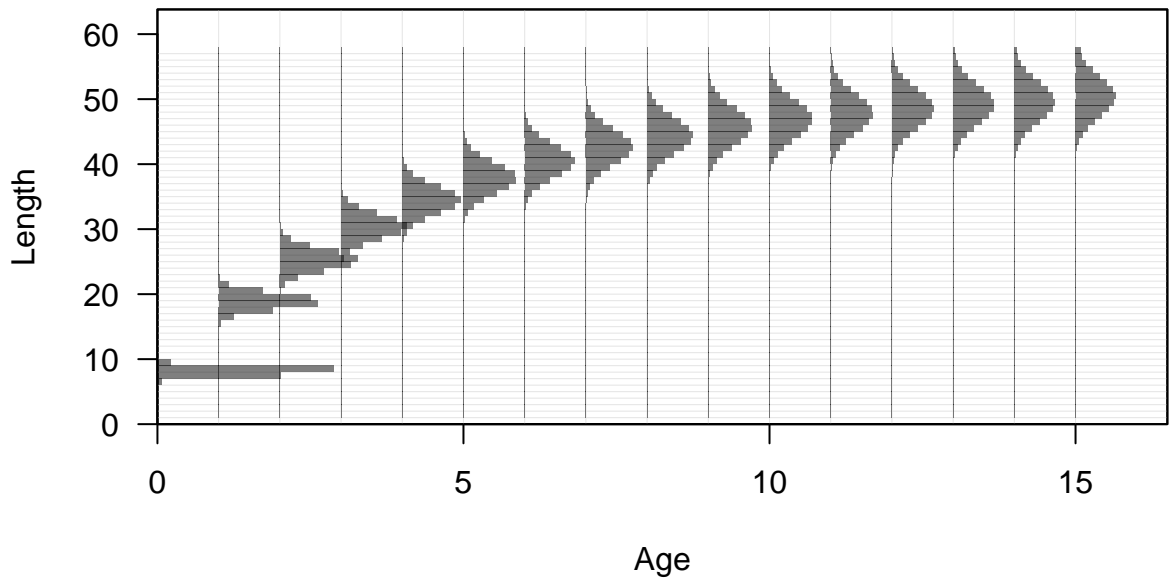


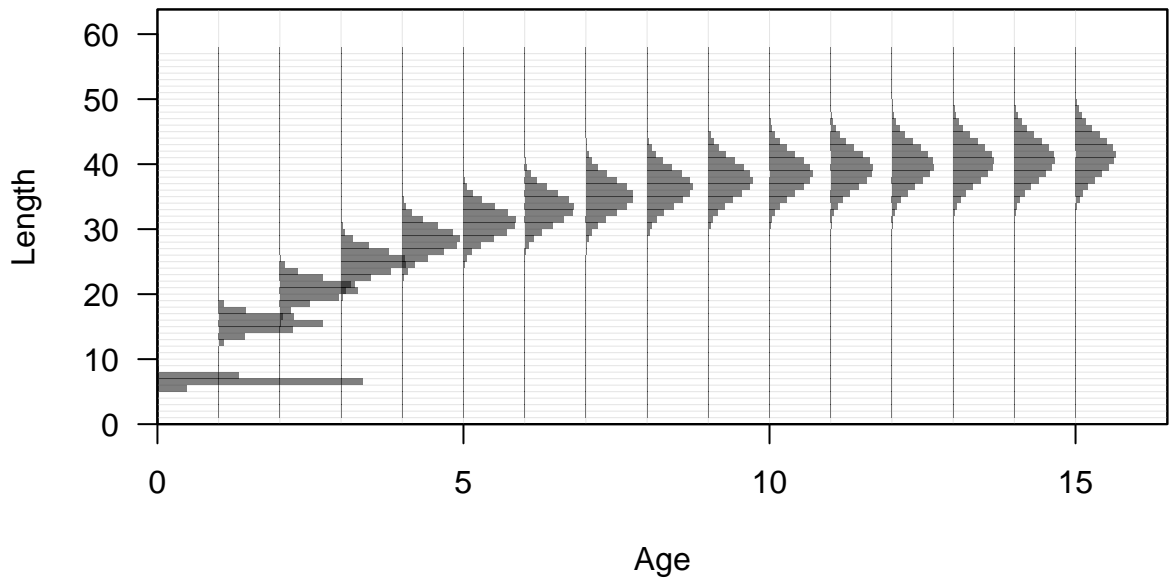


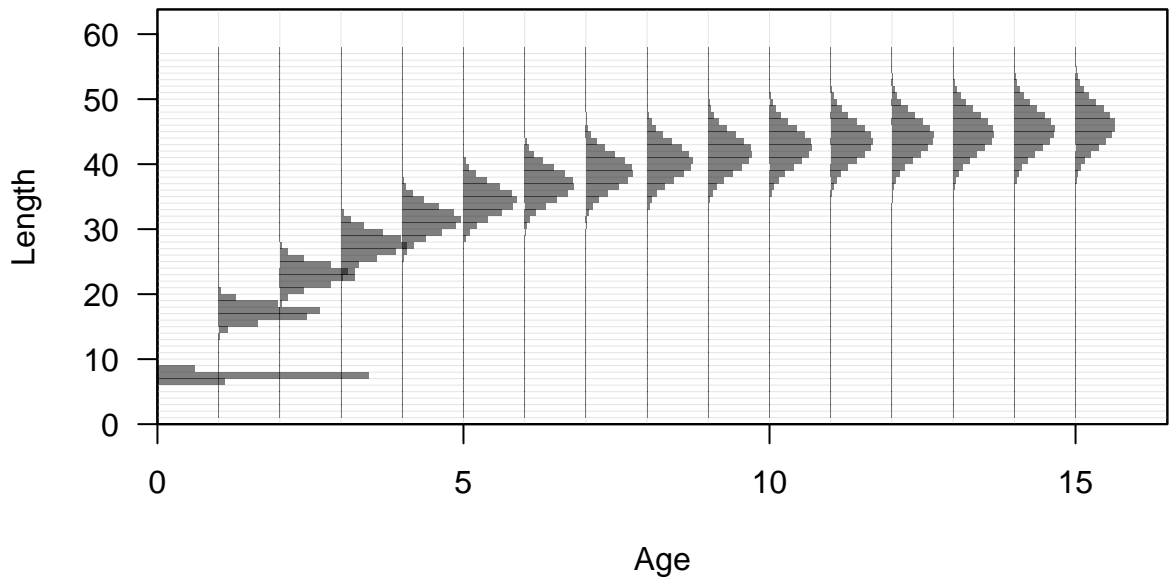


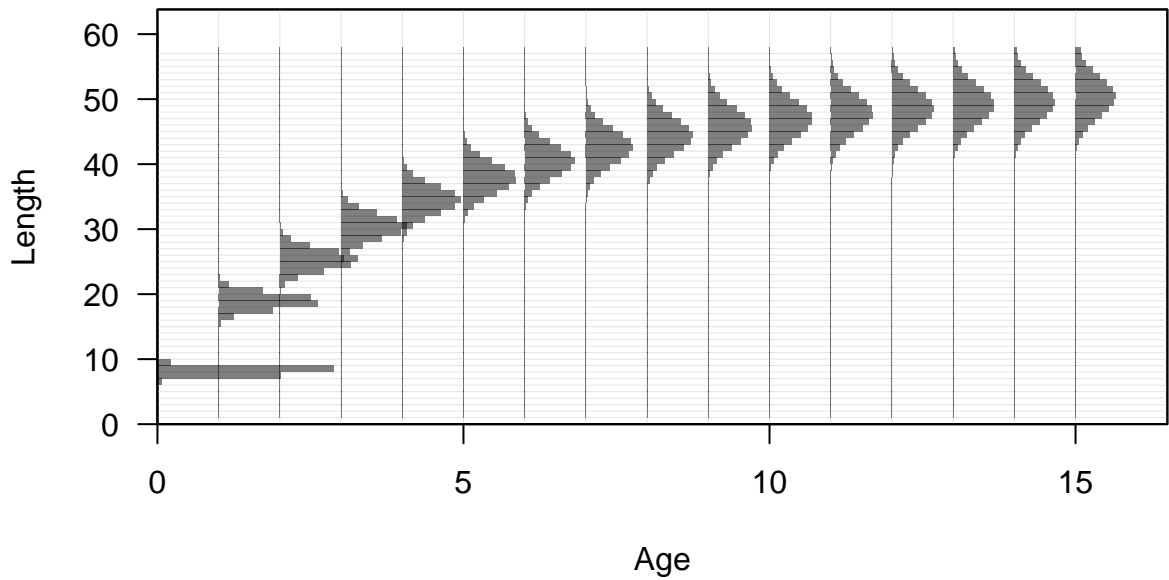








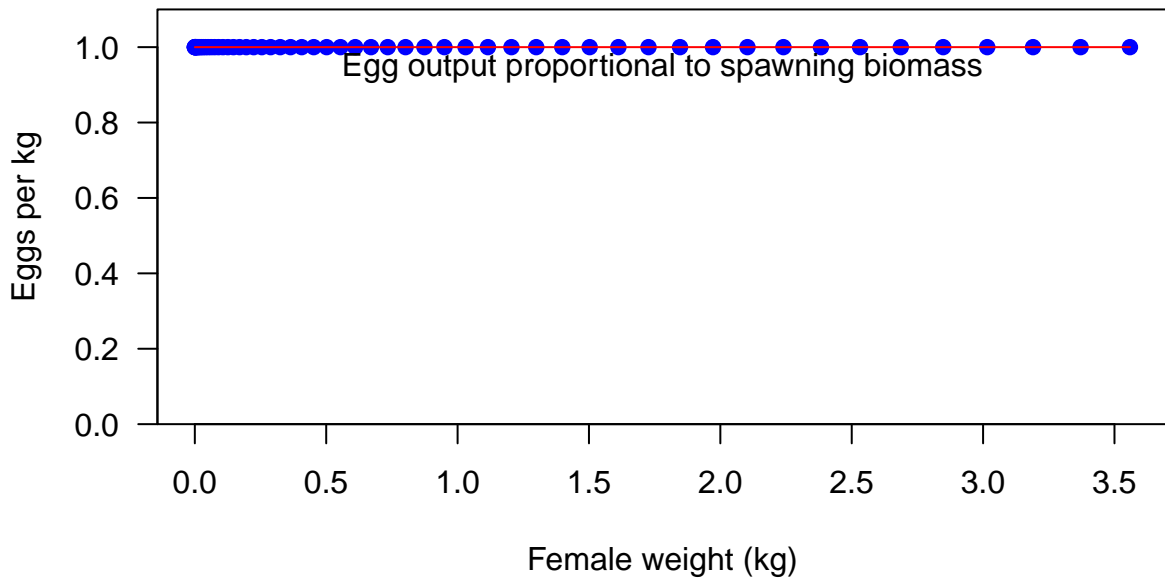












Fecundity



Fecundity



Spawning output

3

2

1

0

0

10

20

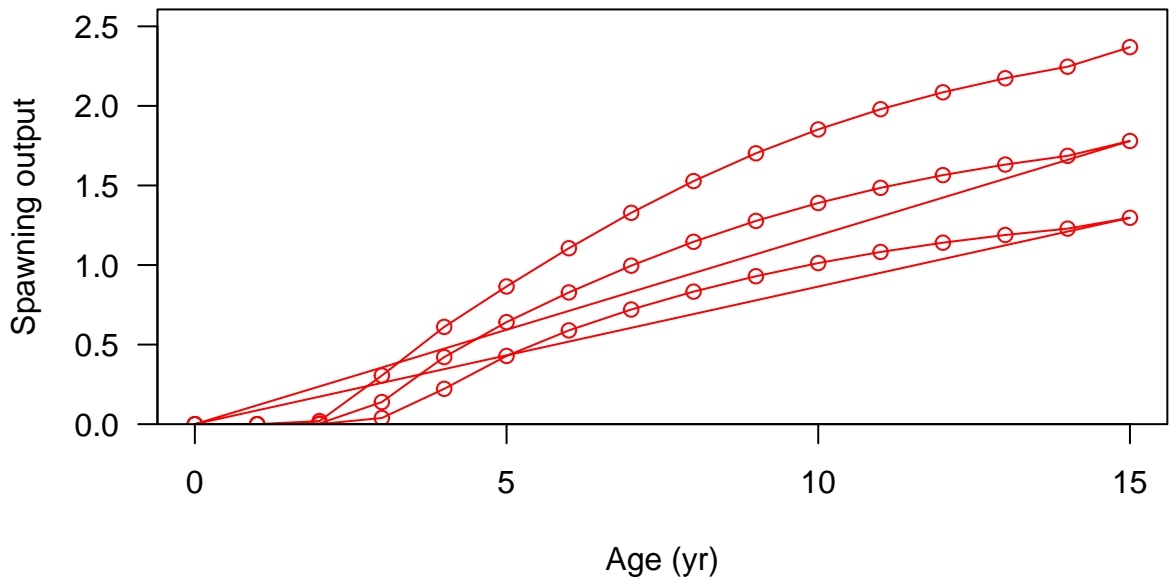
30

40

50

Length (cm)

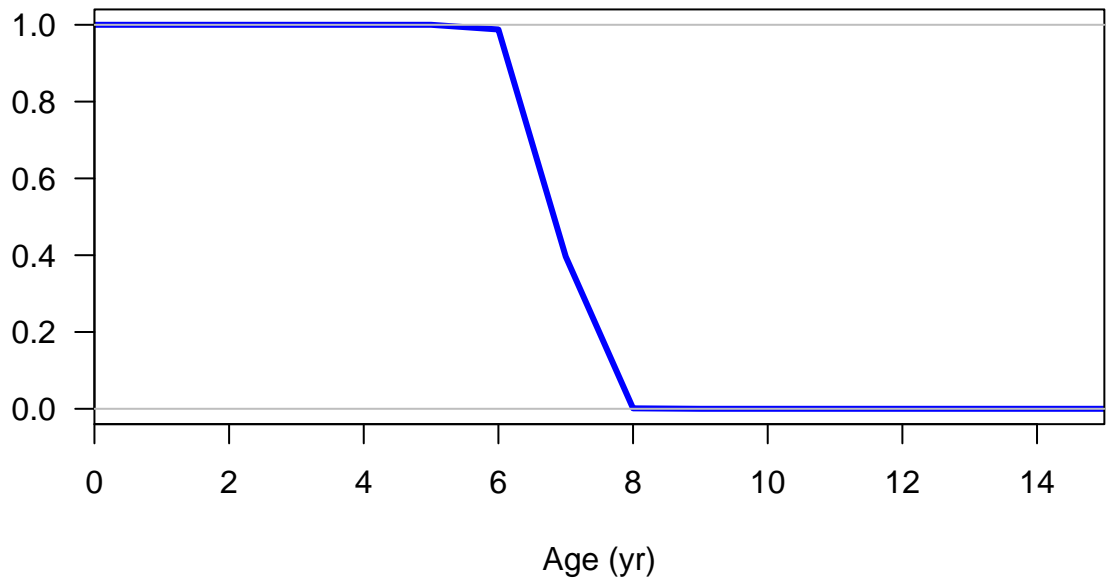




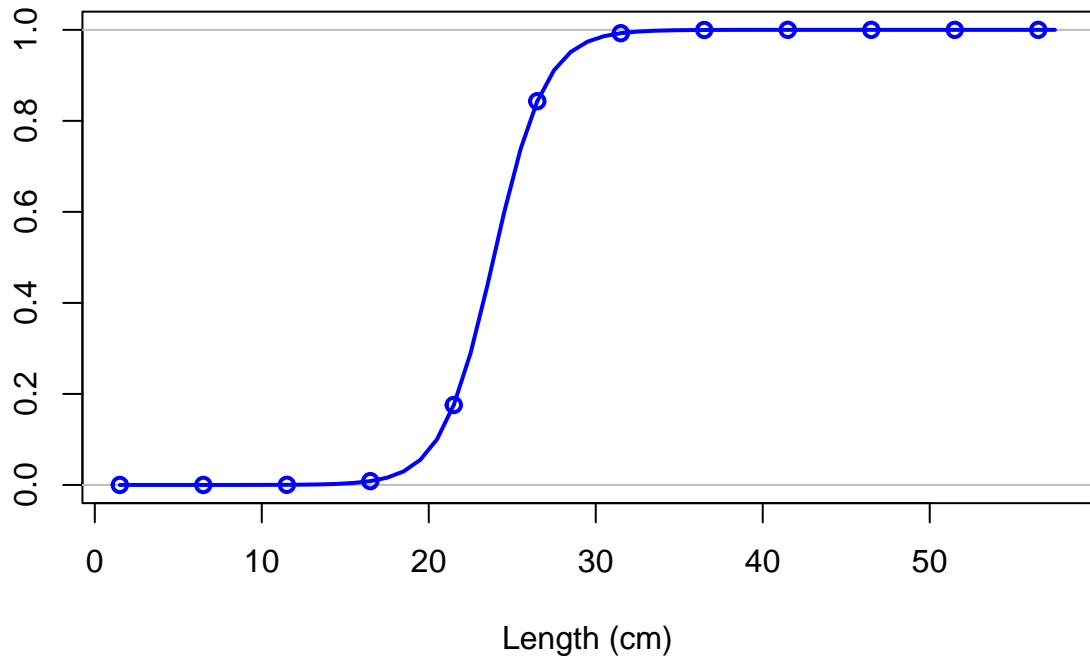
Hermaphroditism transition rate



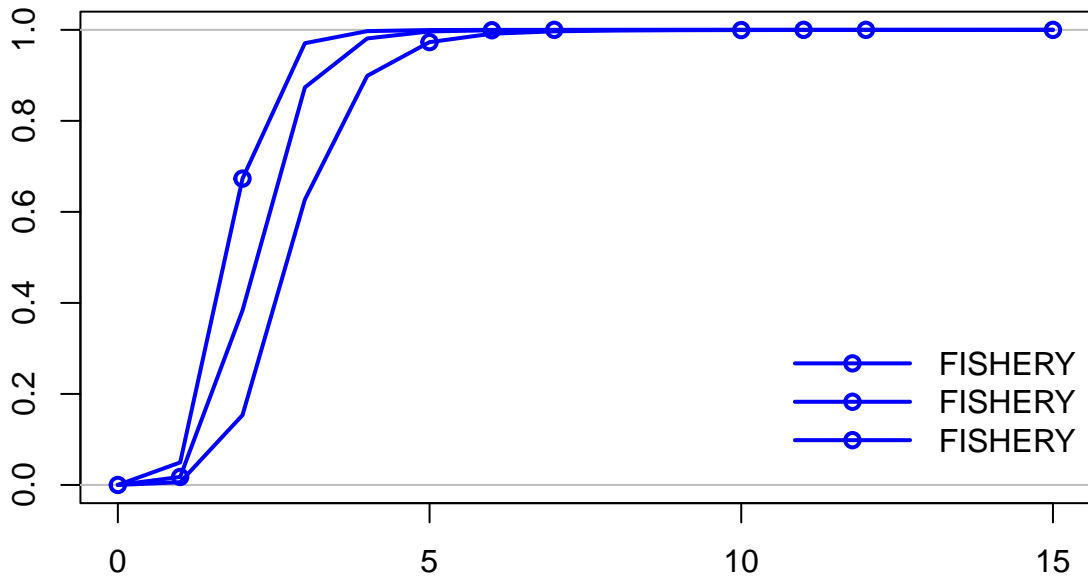
Fraction females by age at equilibrium



Selectivity

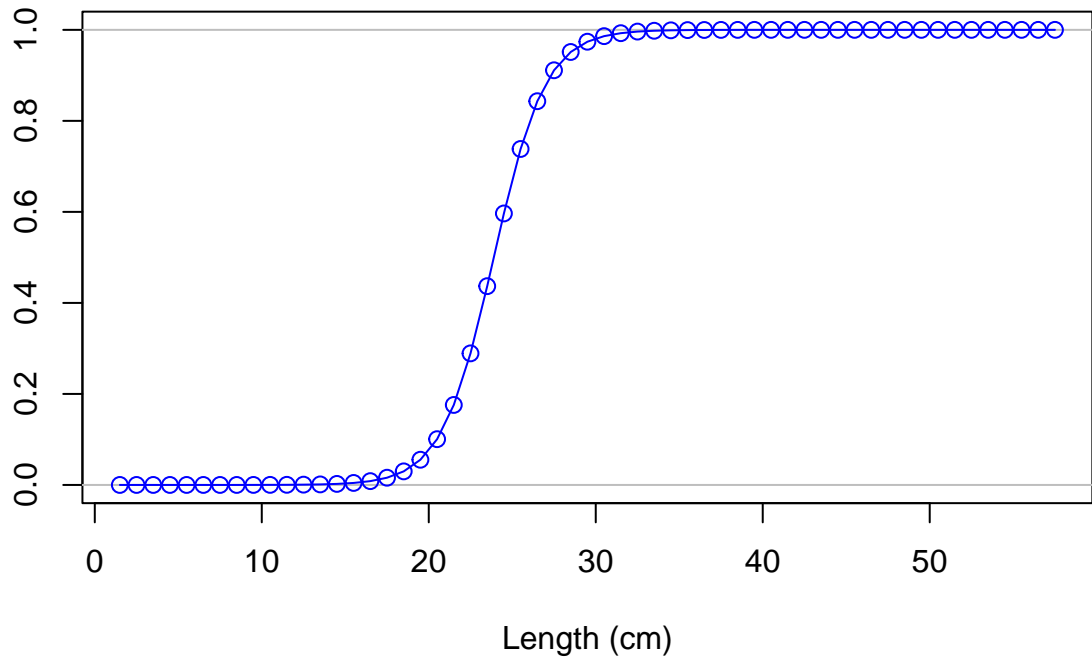


Selectivity

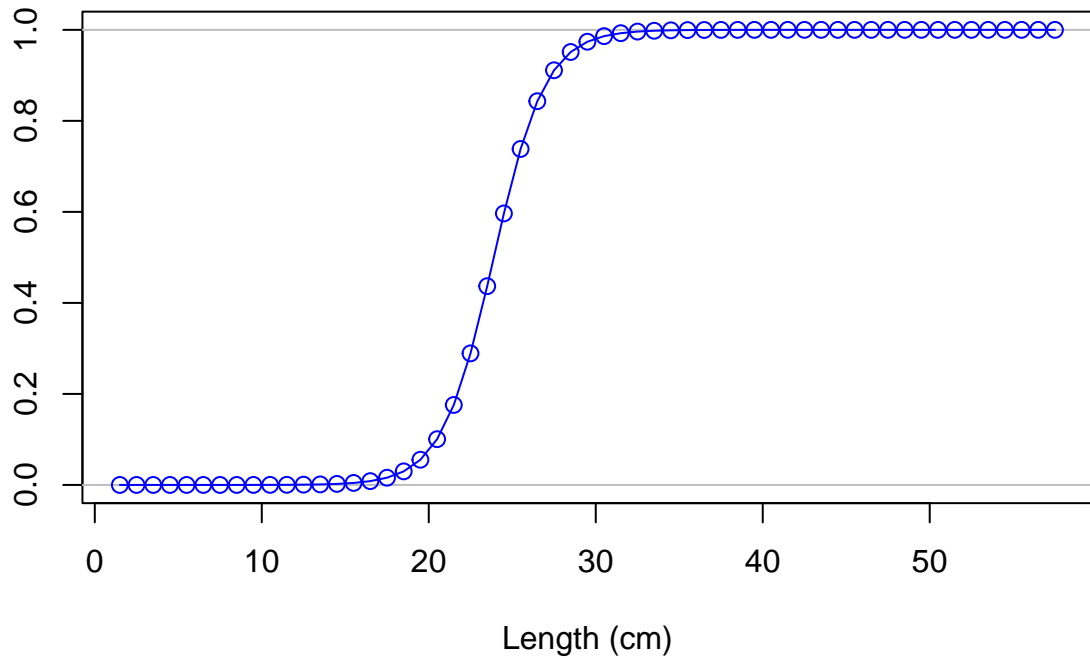


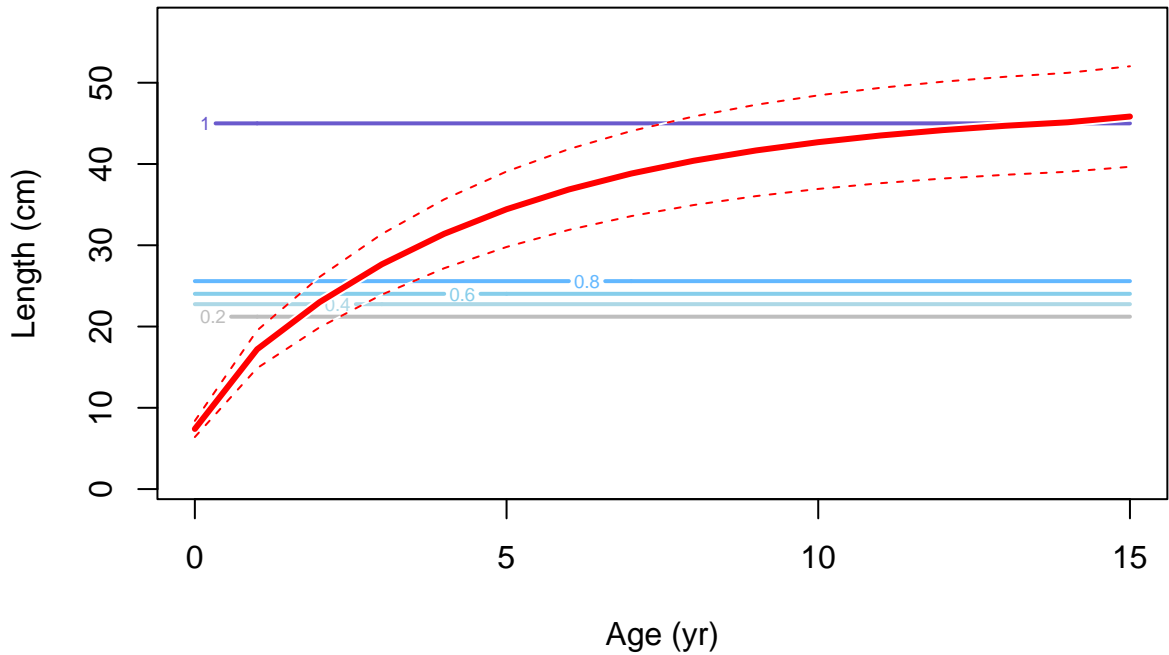
Age (yr)

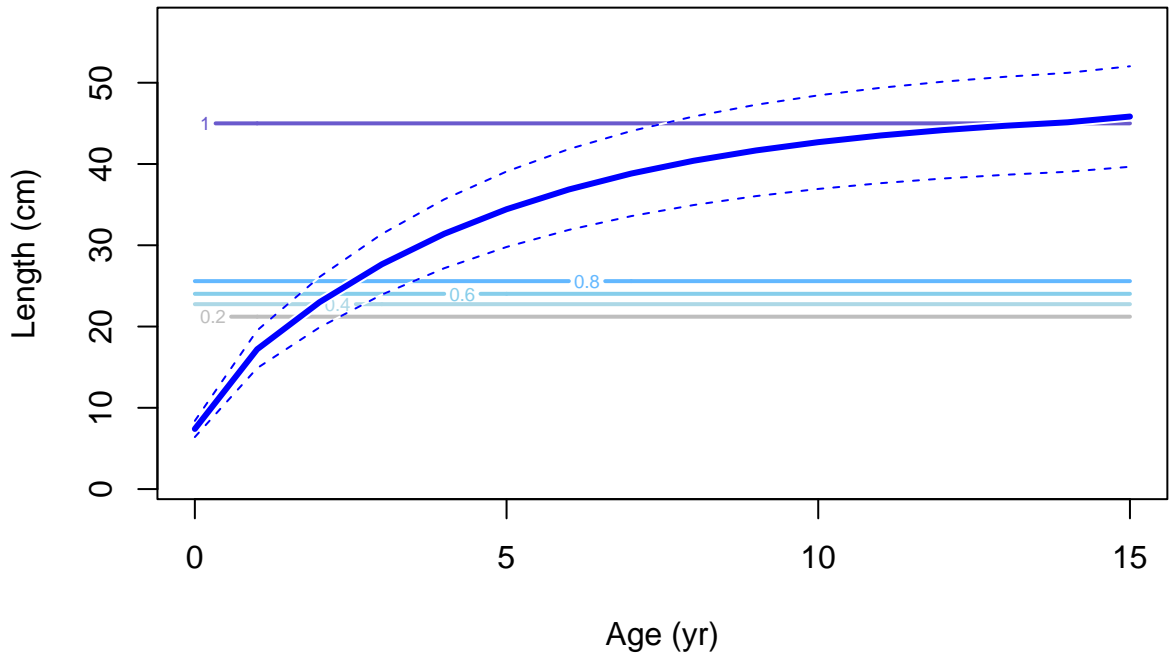
Selectivity

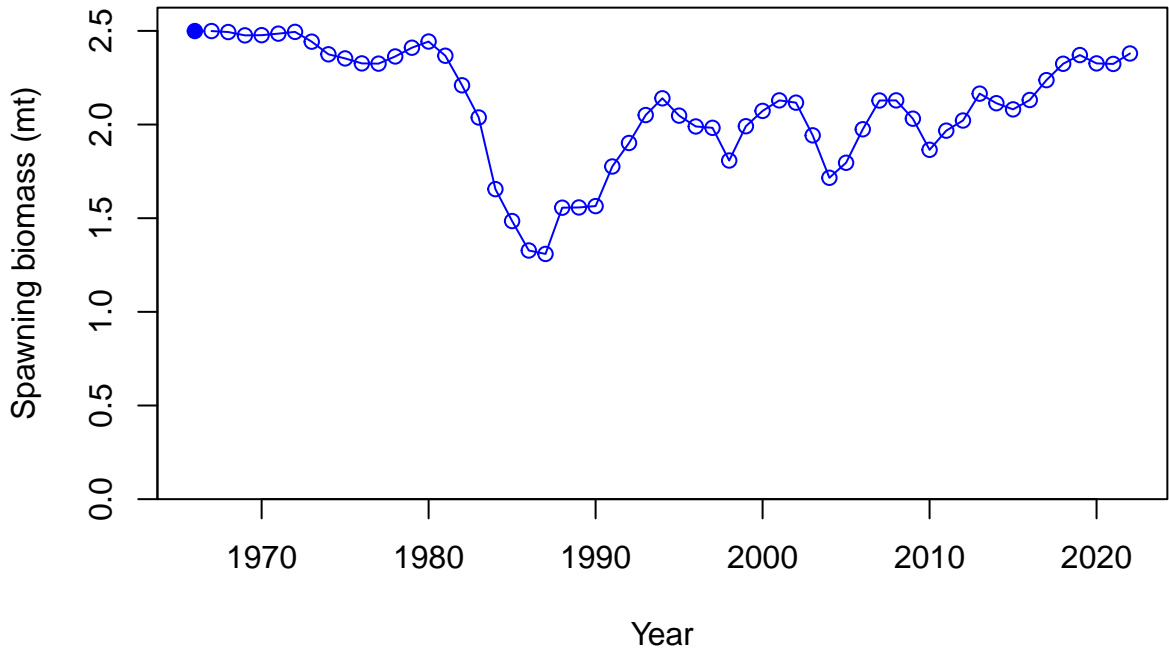


Selectivity

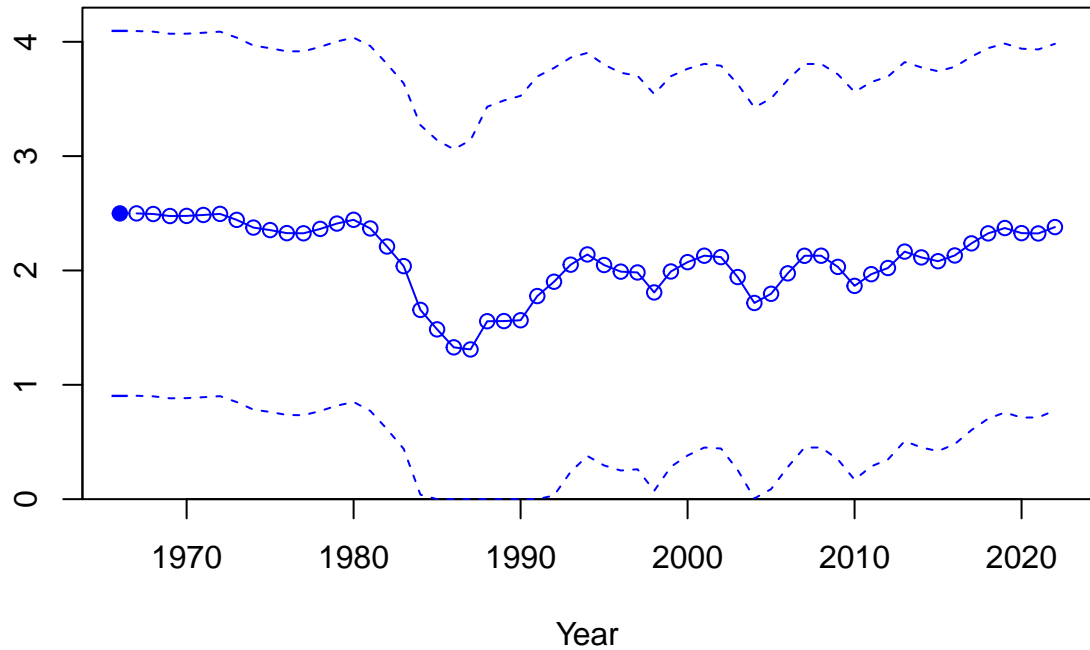




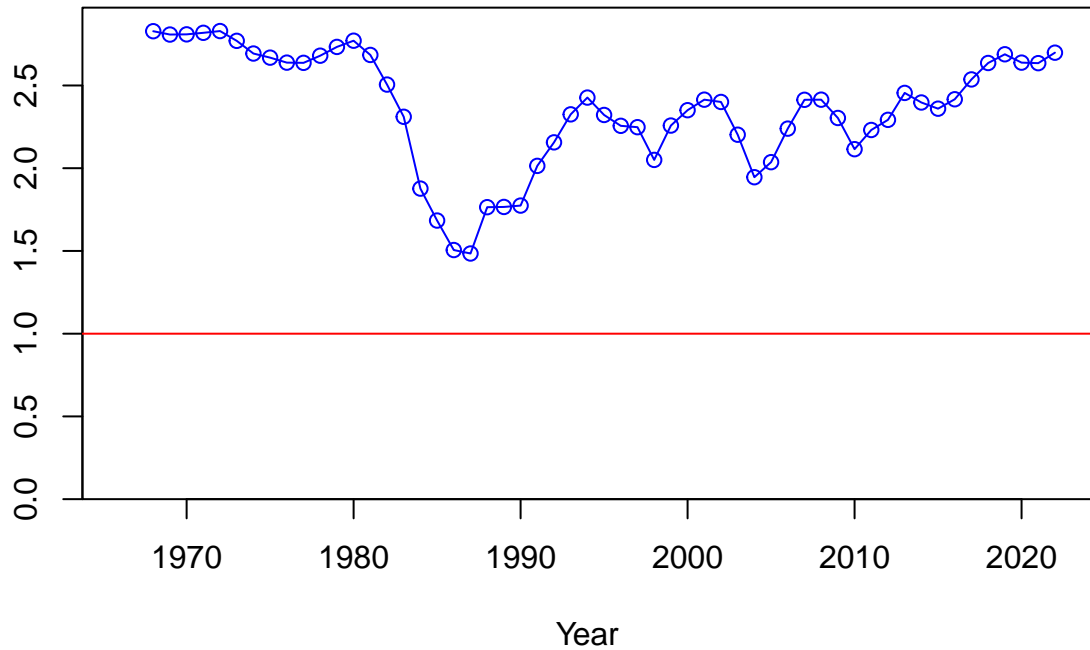




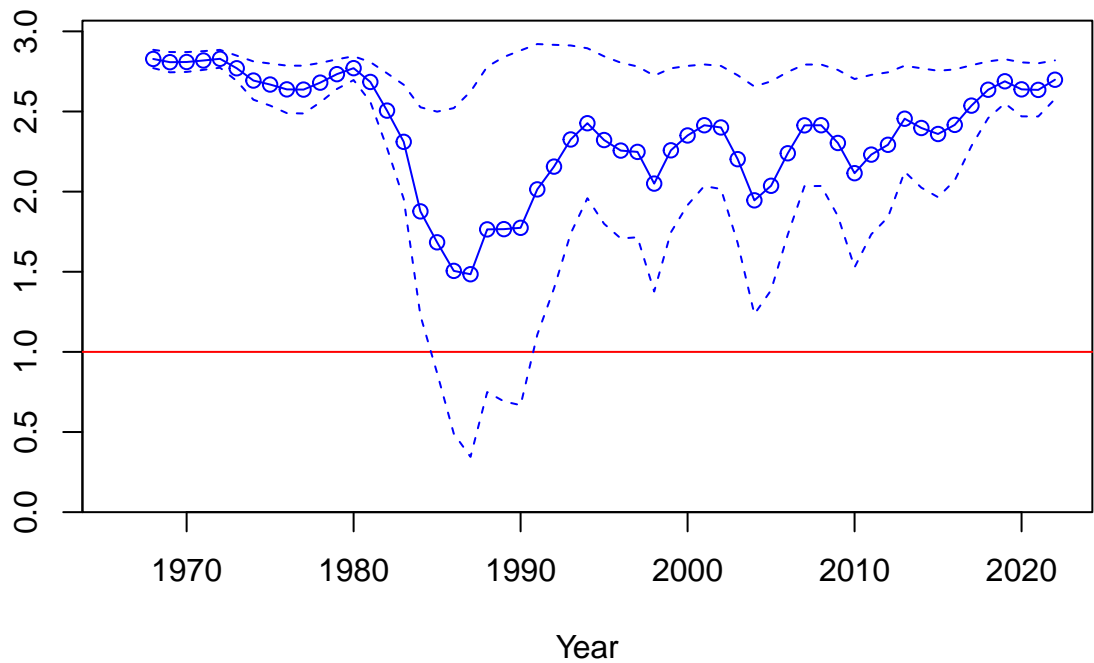
Spawning biomass (mt)

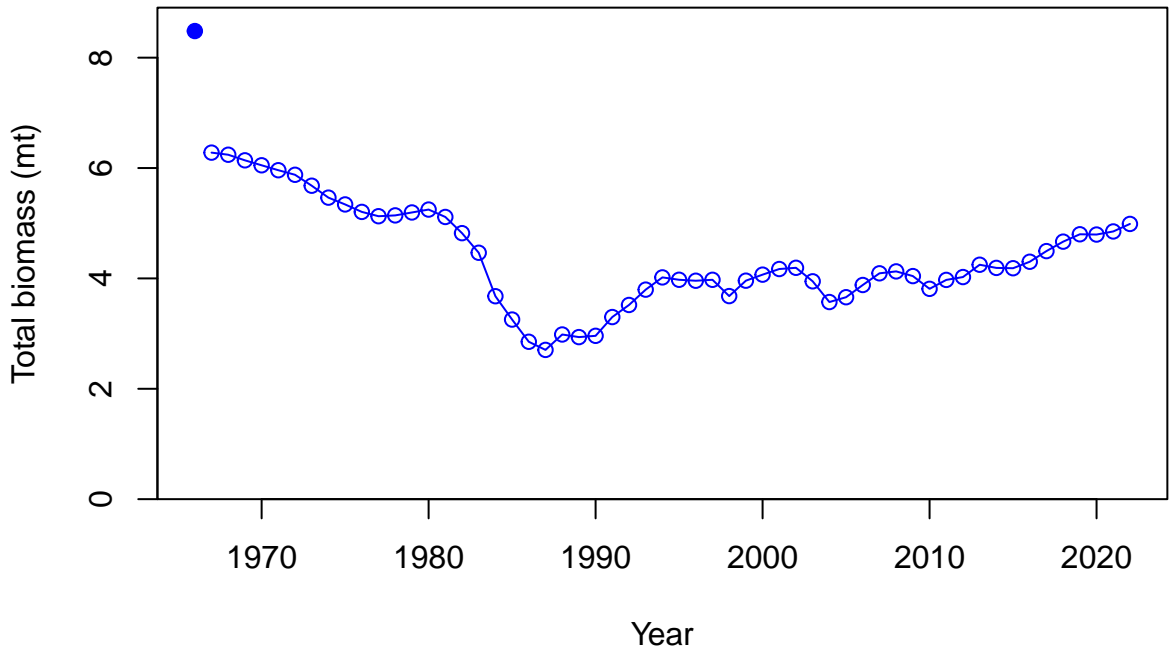


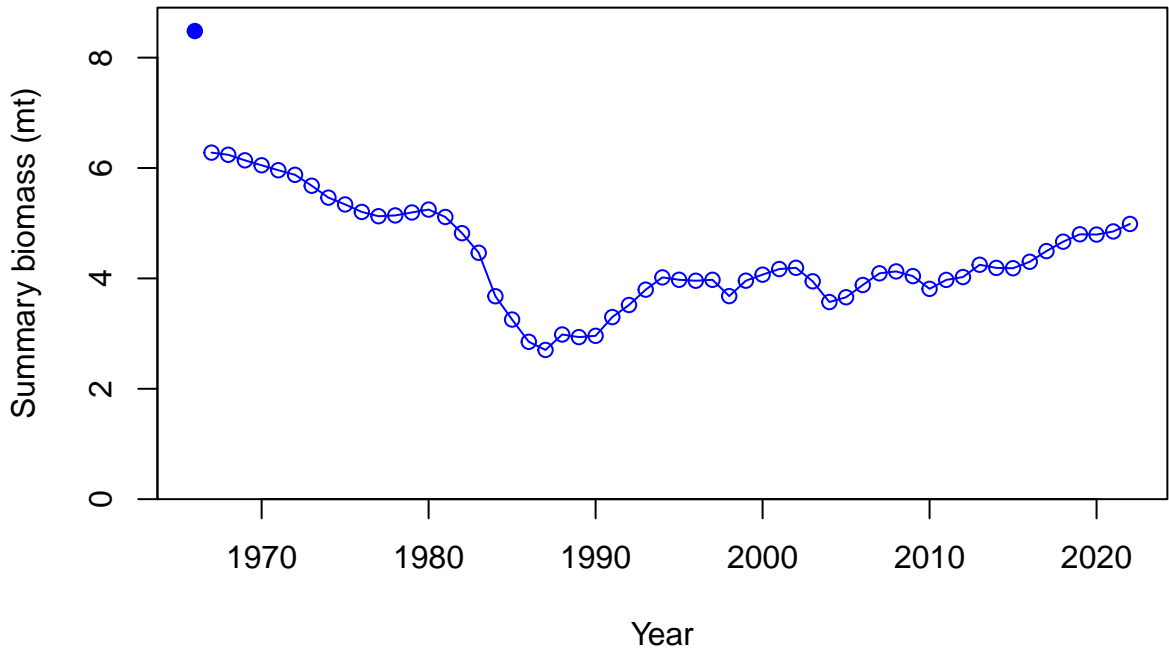
Relative spawning biomass: B/B_{MSY}



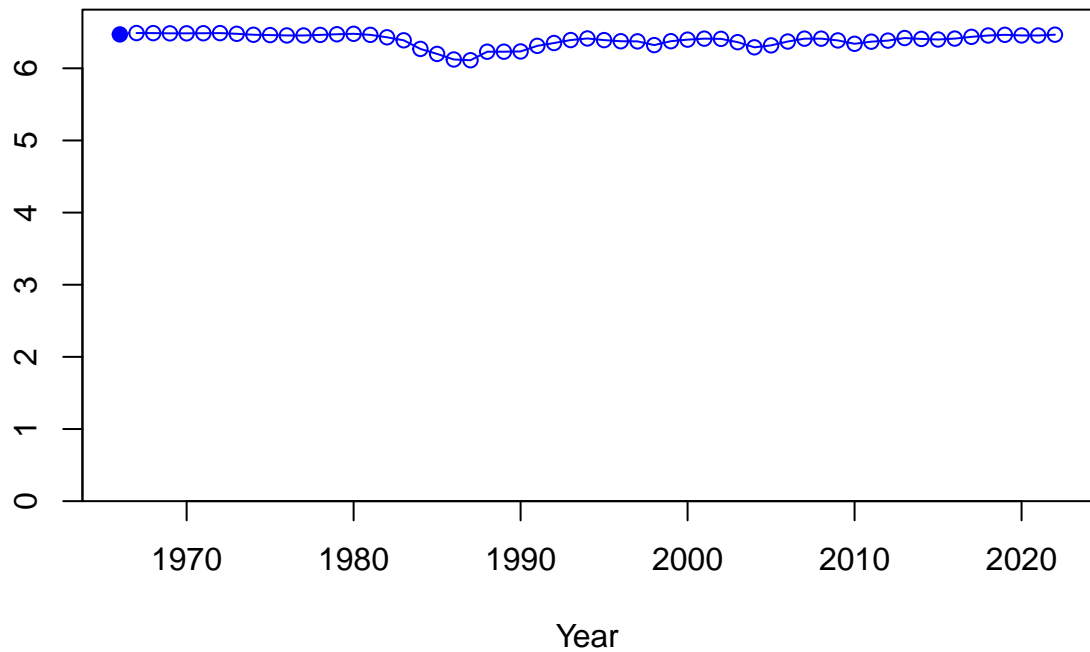
Relative spawning biomass: B/B_{MSY}



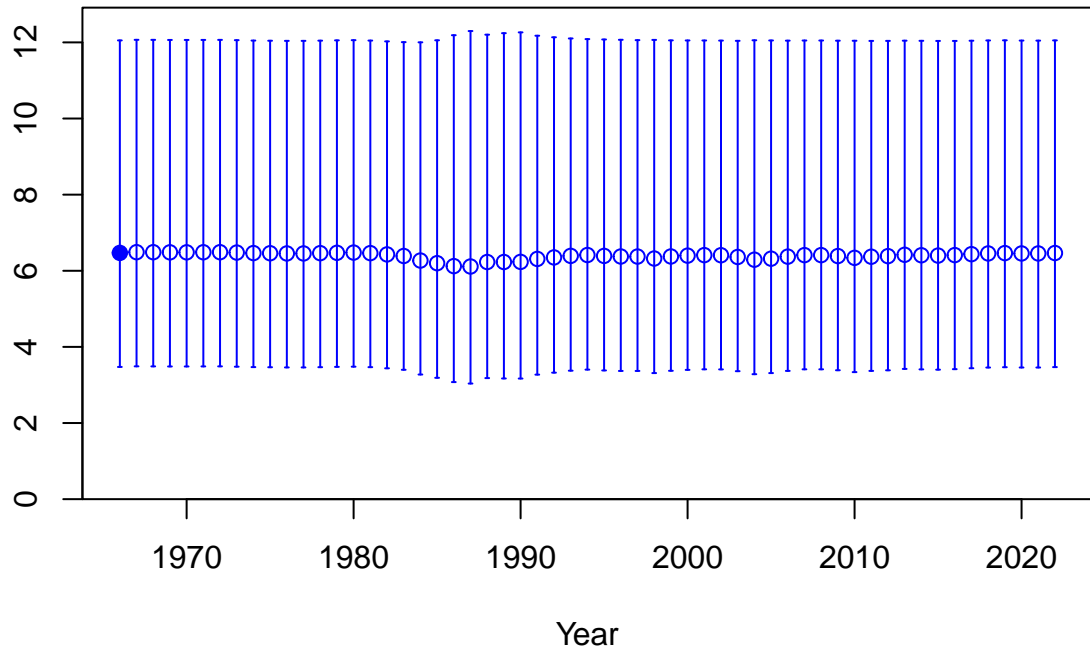




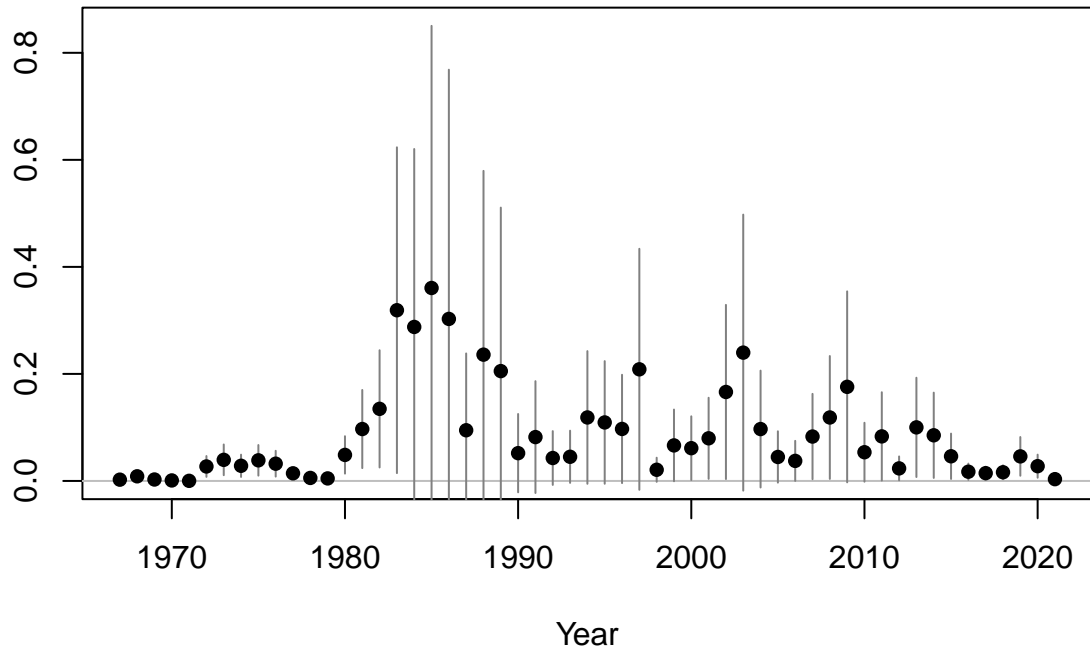
Age-0 recruits (1,000s)

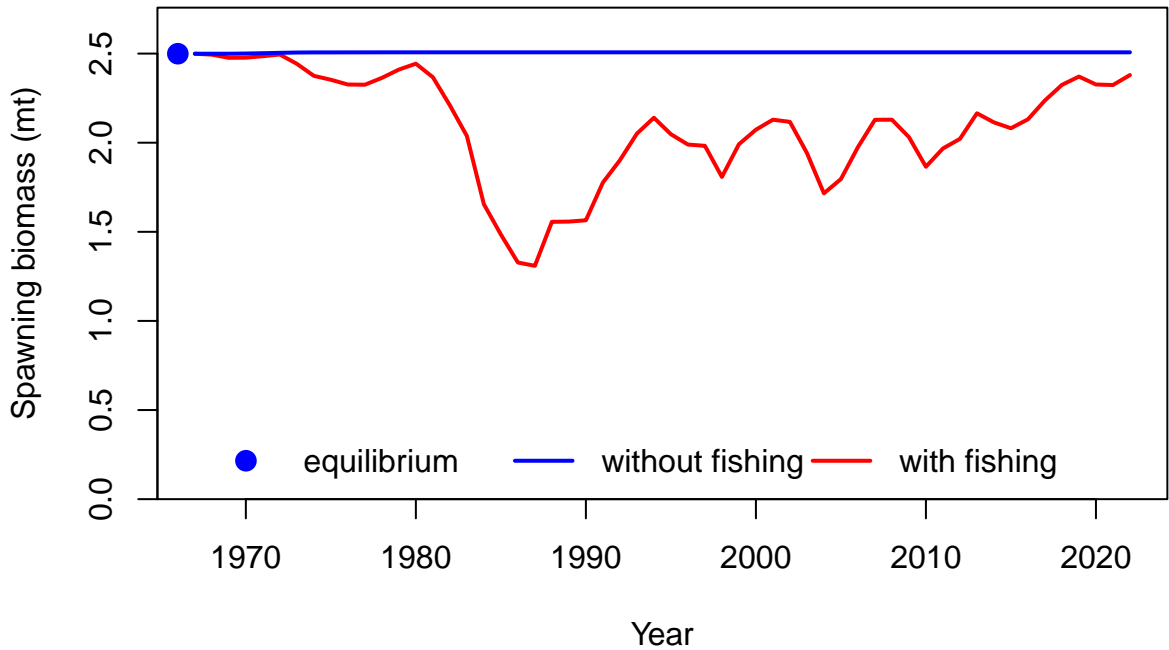


Age-0 recruits (1,000s)

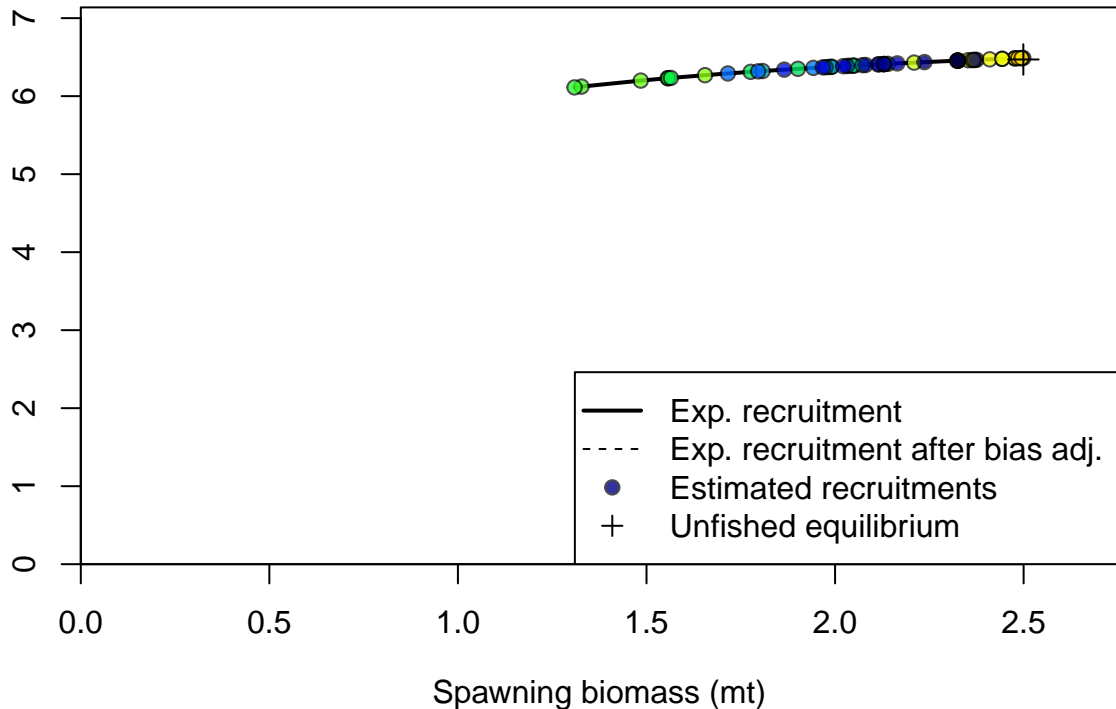


Summary Fishing Mortality

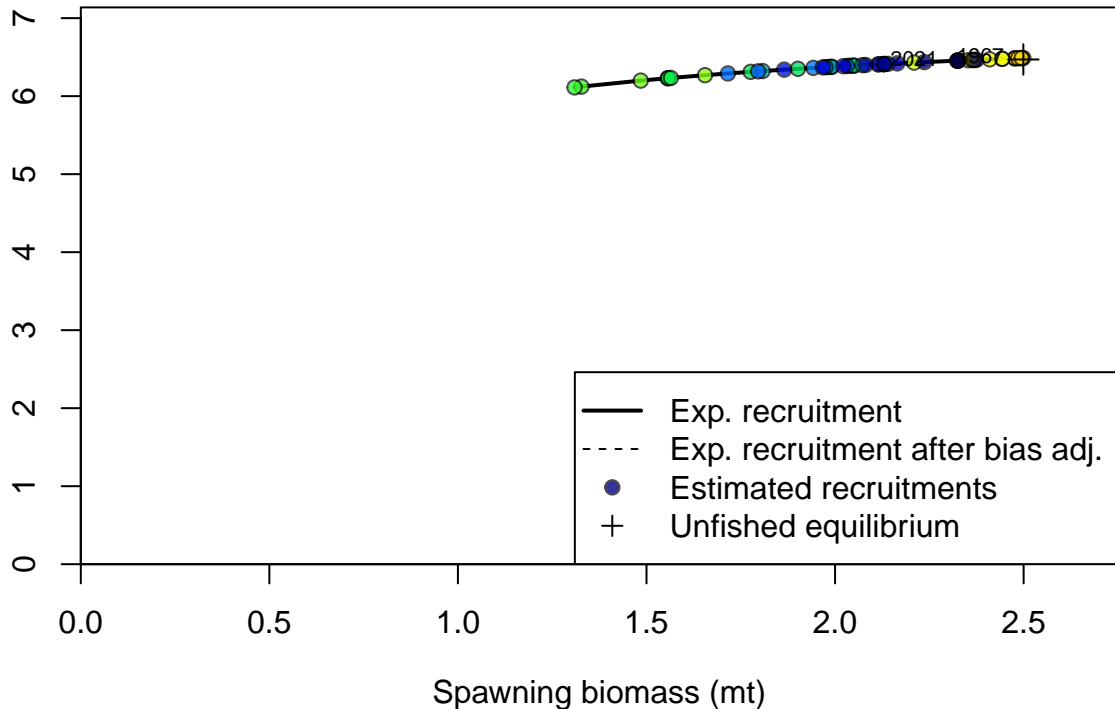


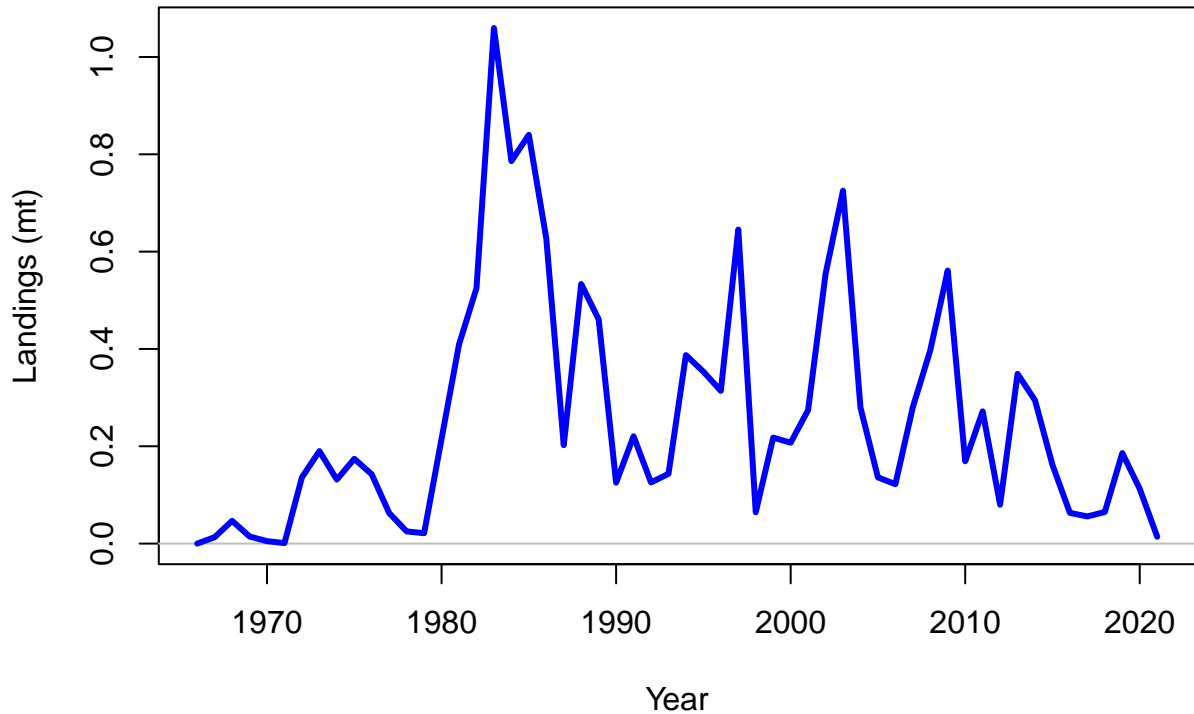


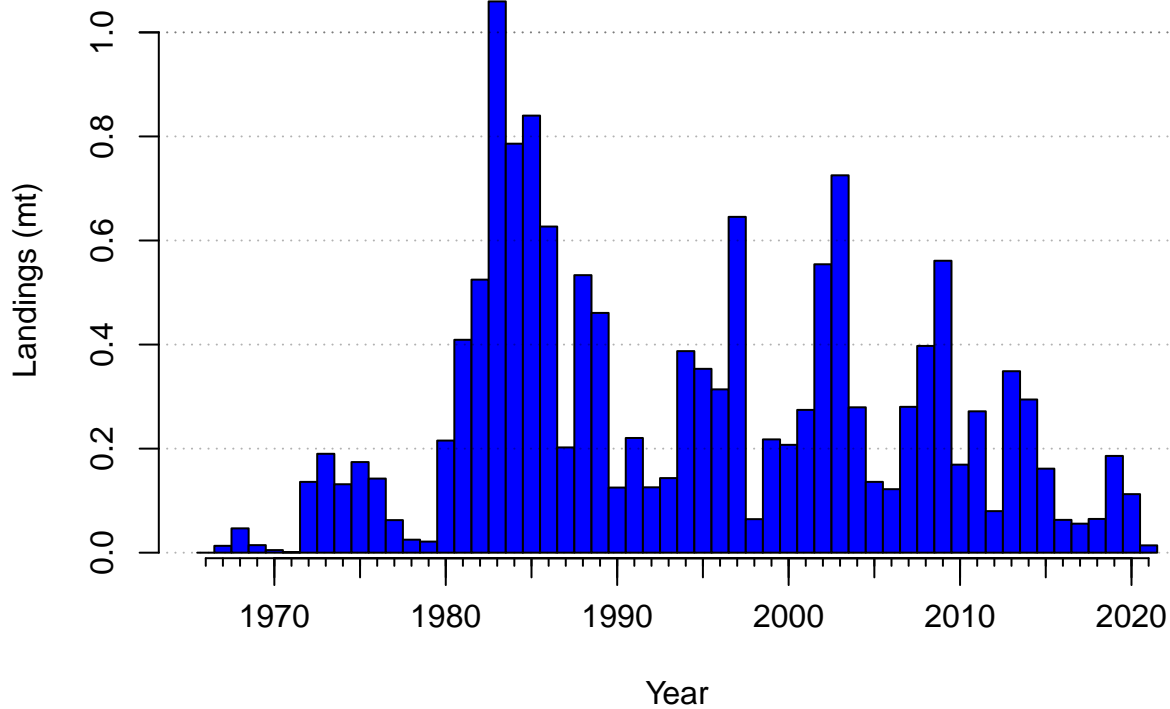
Recruitment (1,000s)

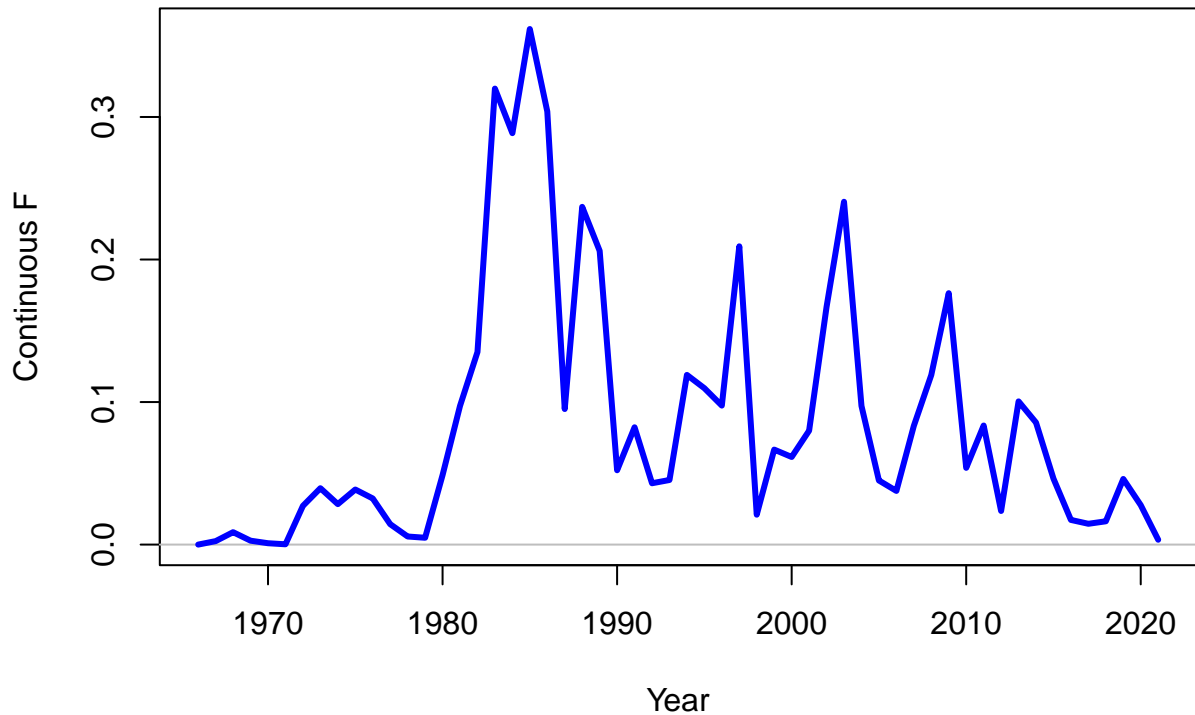


Recruitment (1,000s)

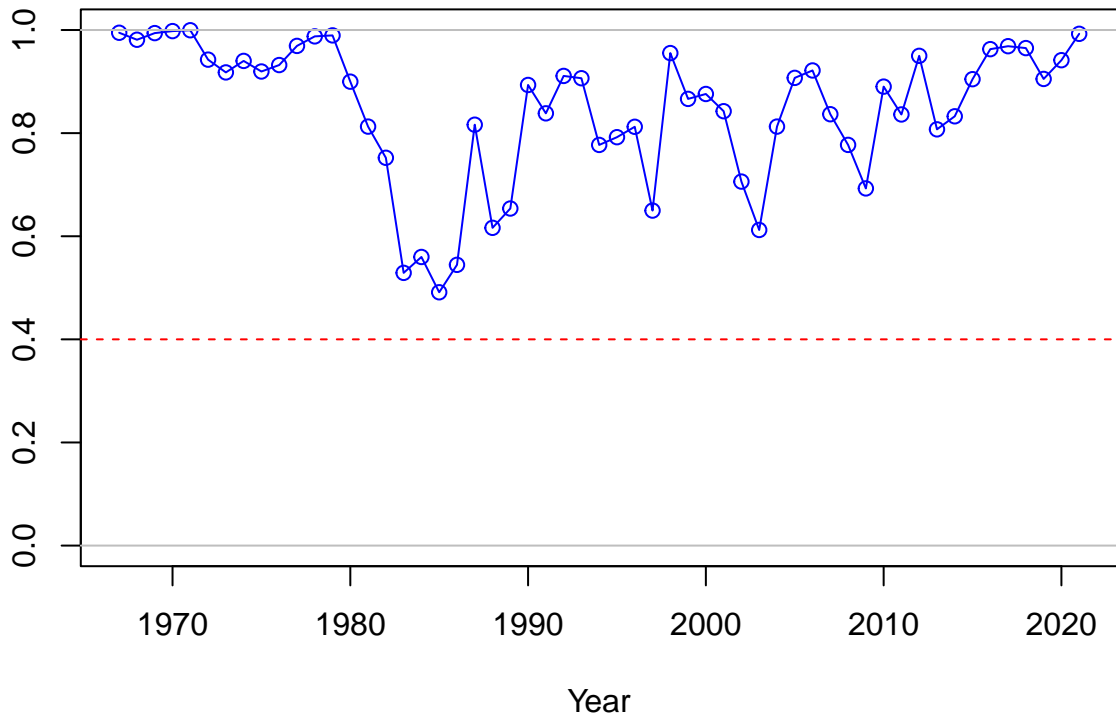


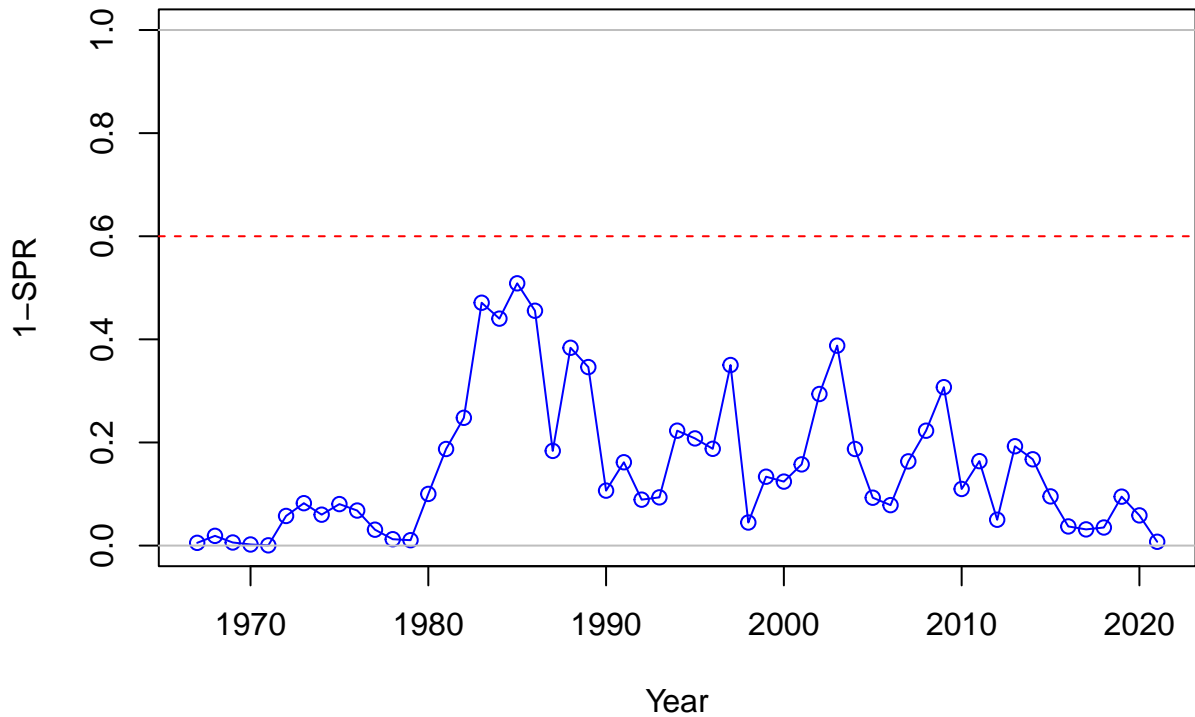




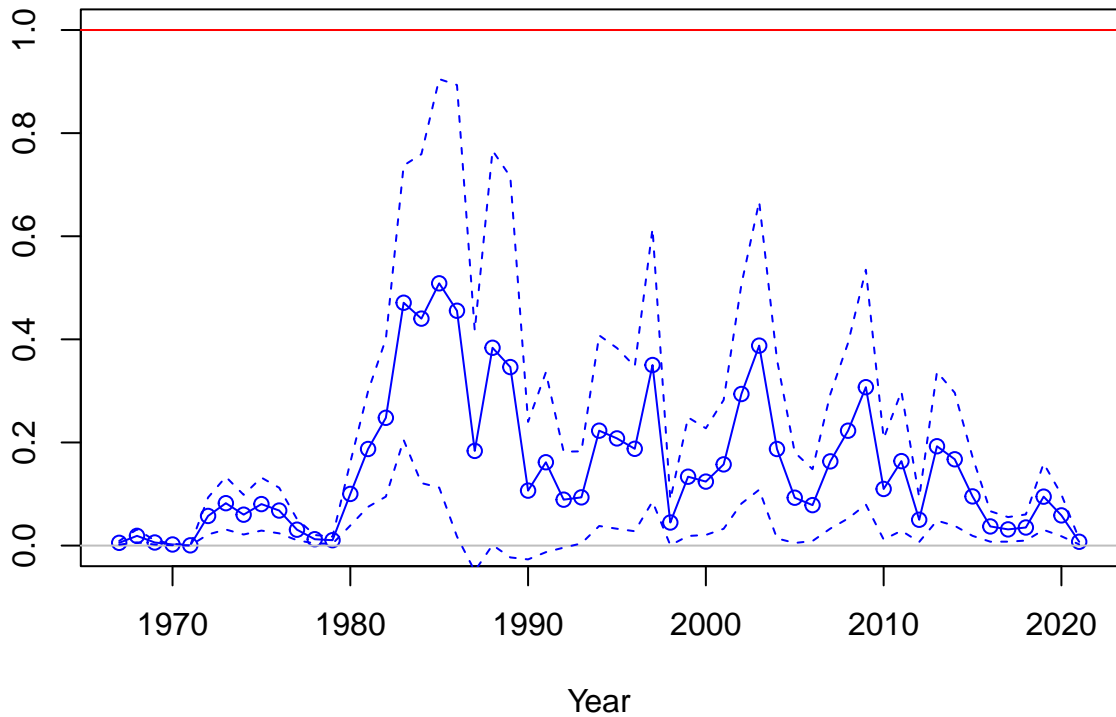


SPR

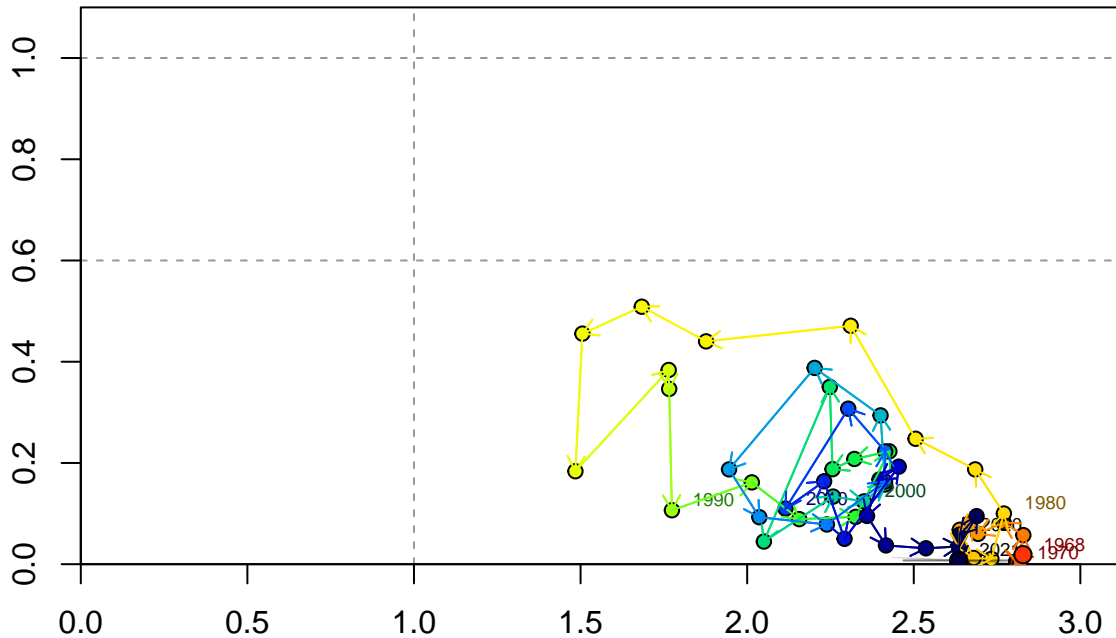




Fishing intensity: 1-SPR

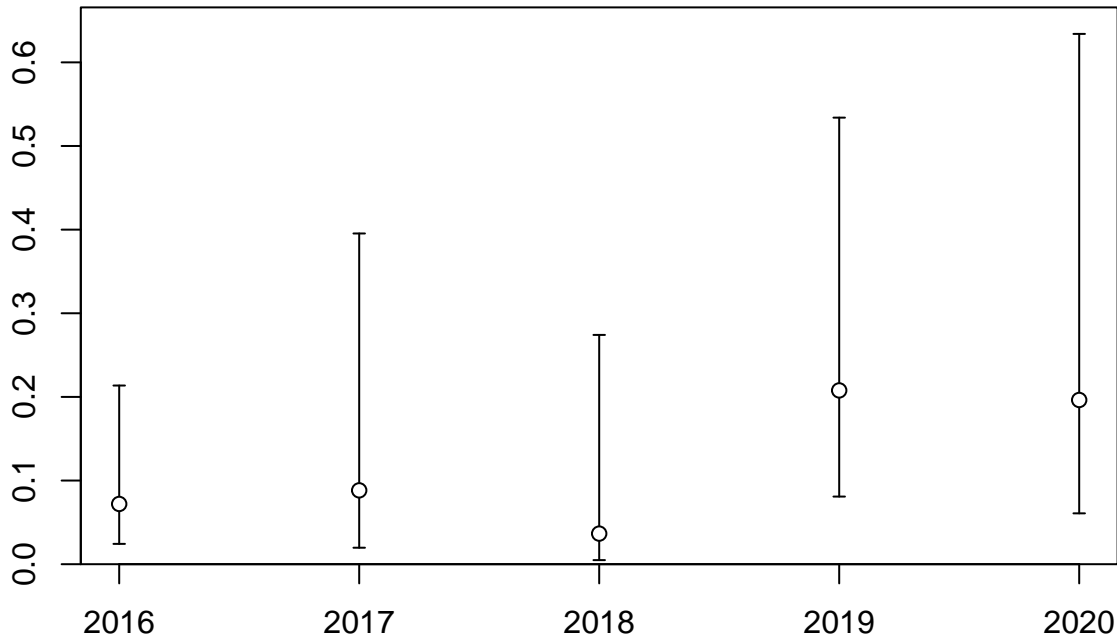


Fishing intensity: 1-SPR



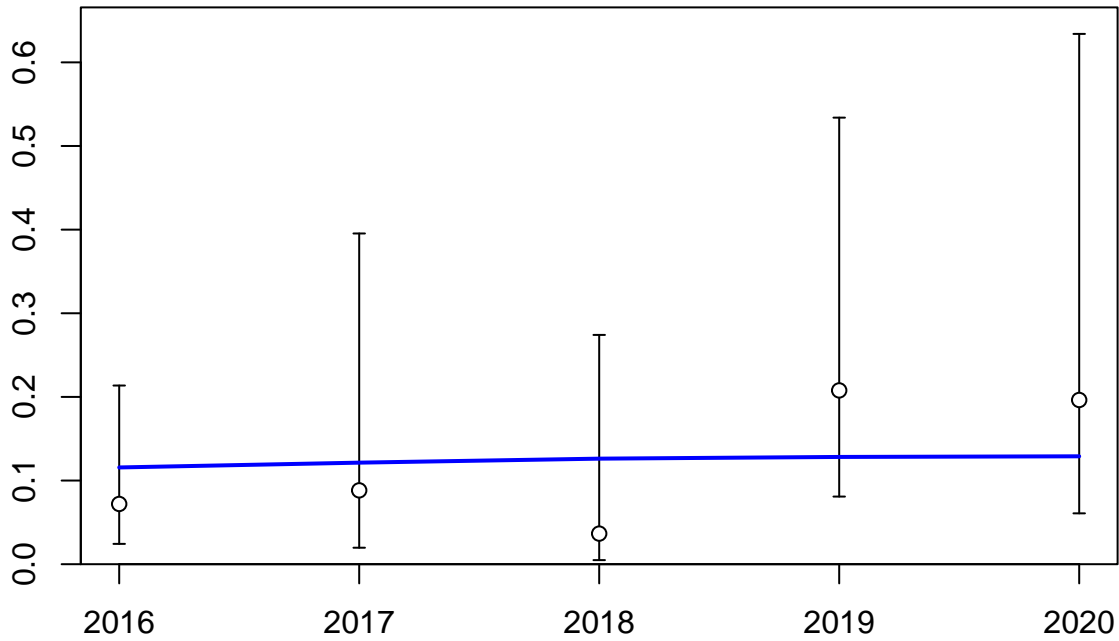
Relative spawning output: B/B_MSY

Index

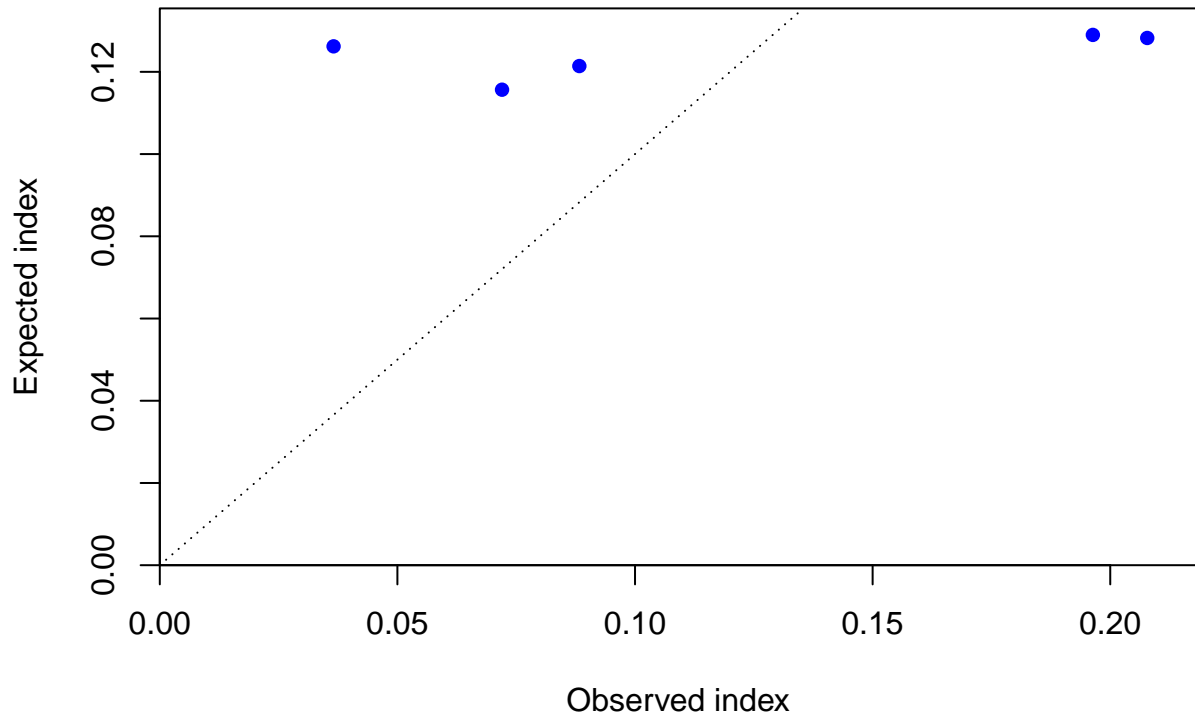


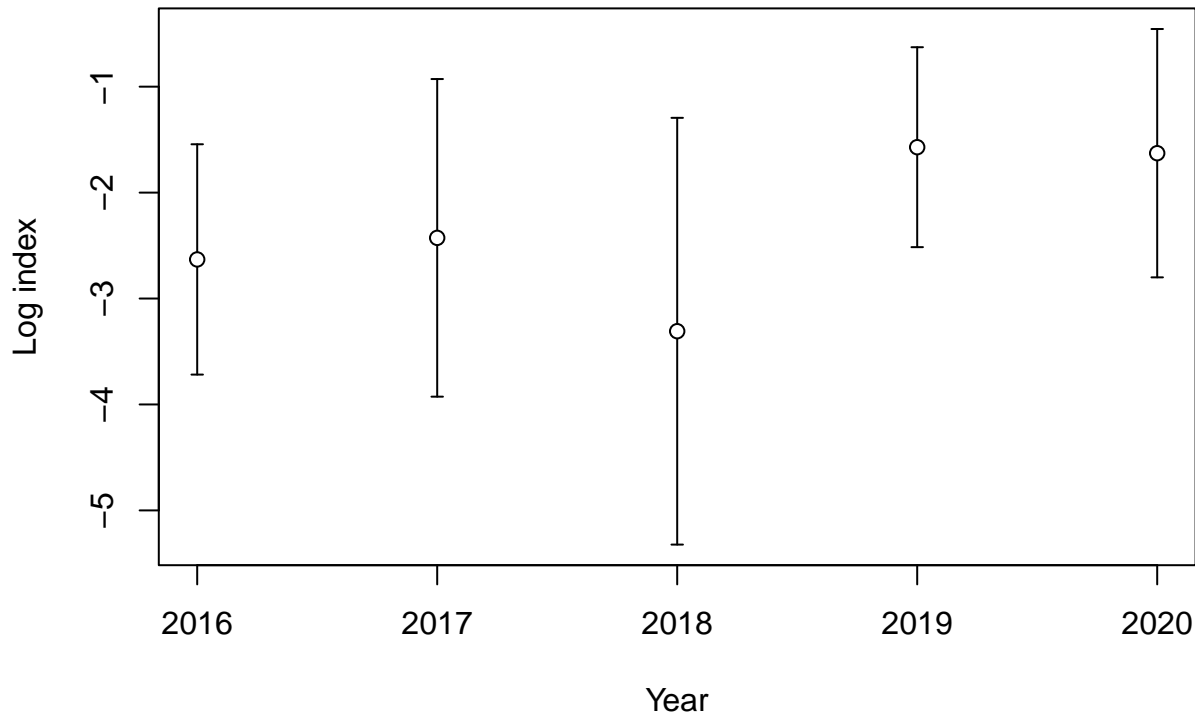
Year

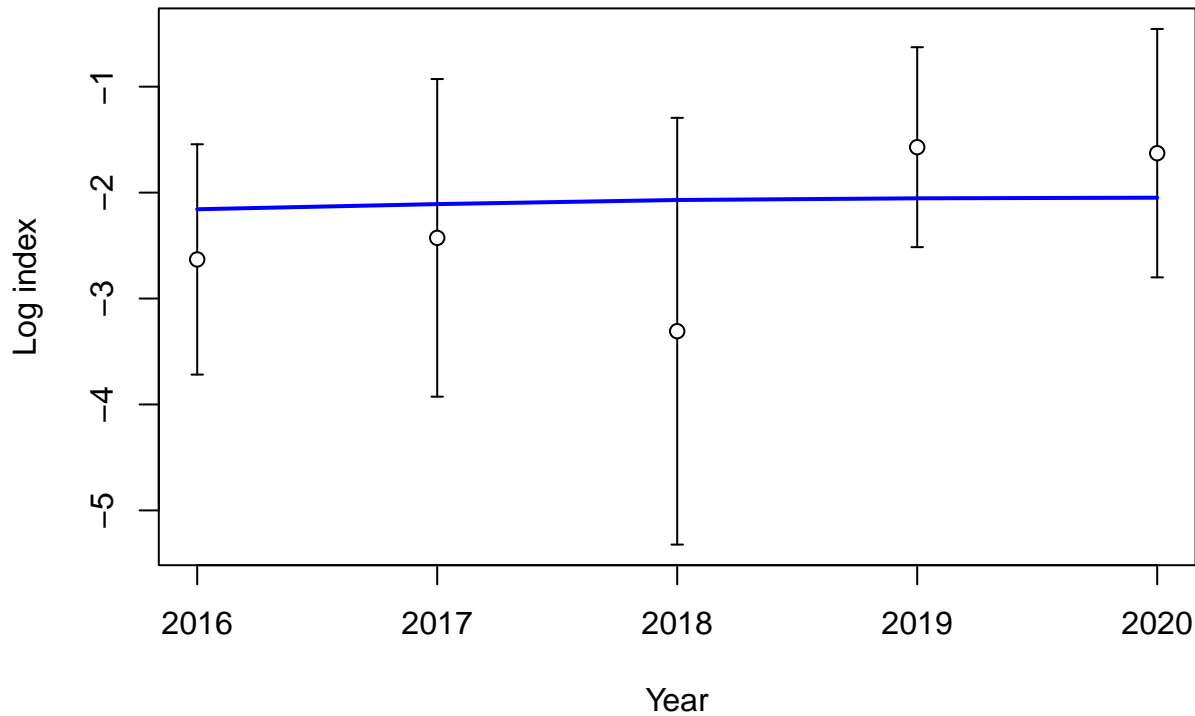
Index

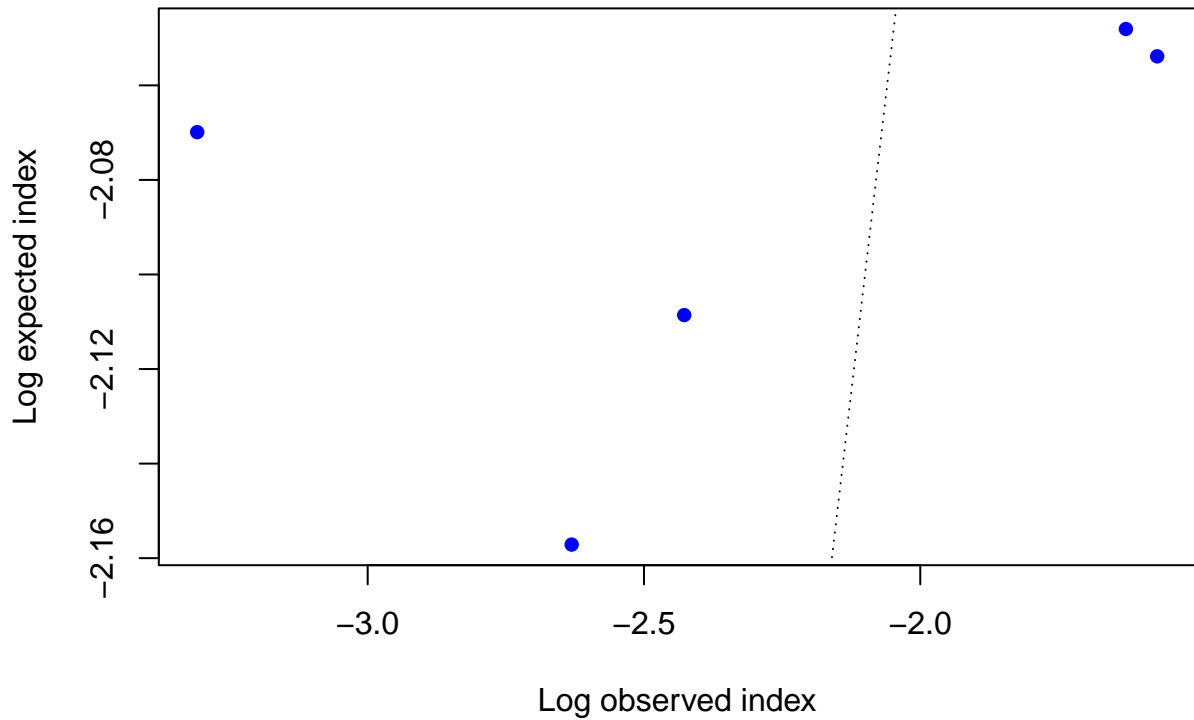


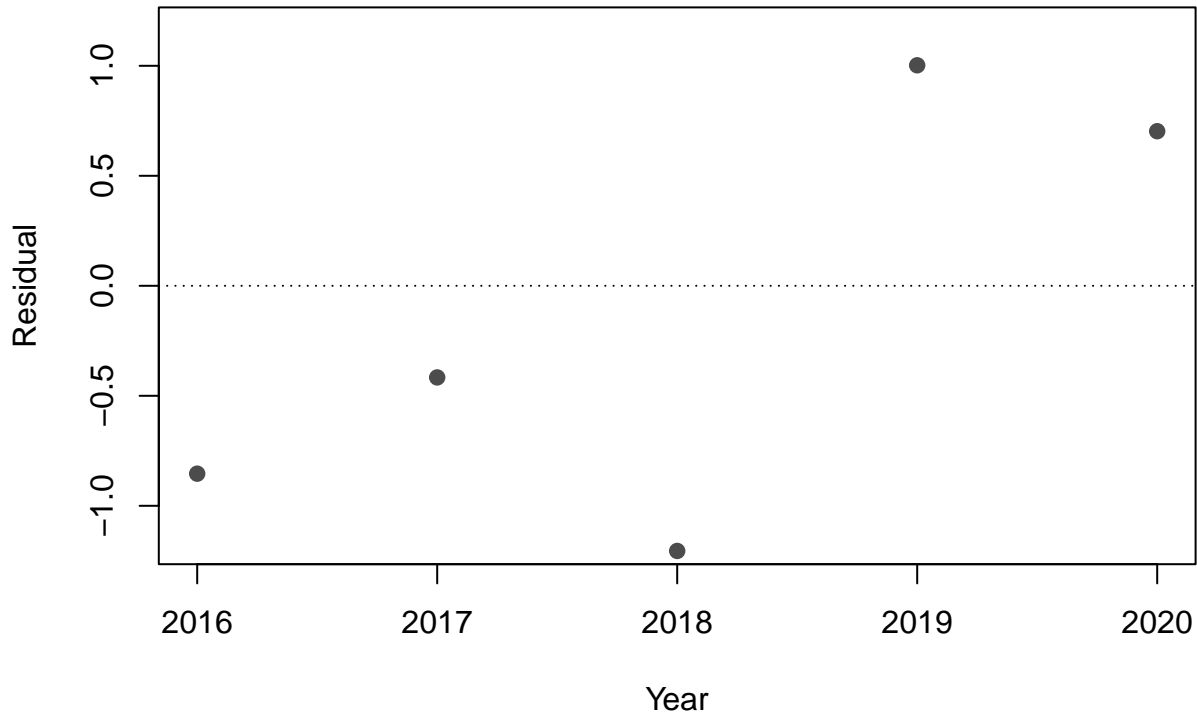
Year

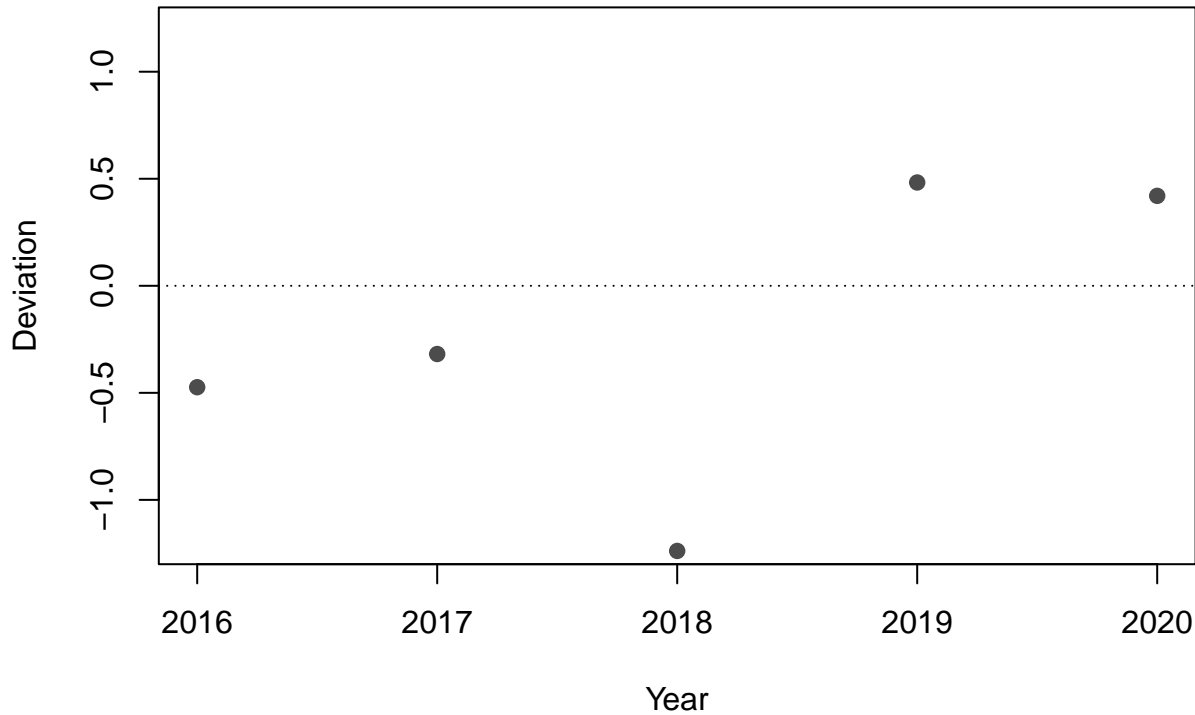


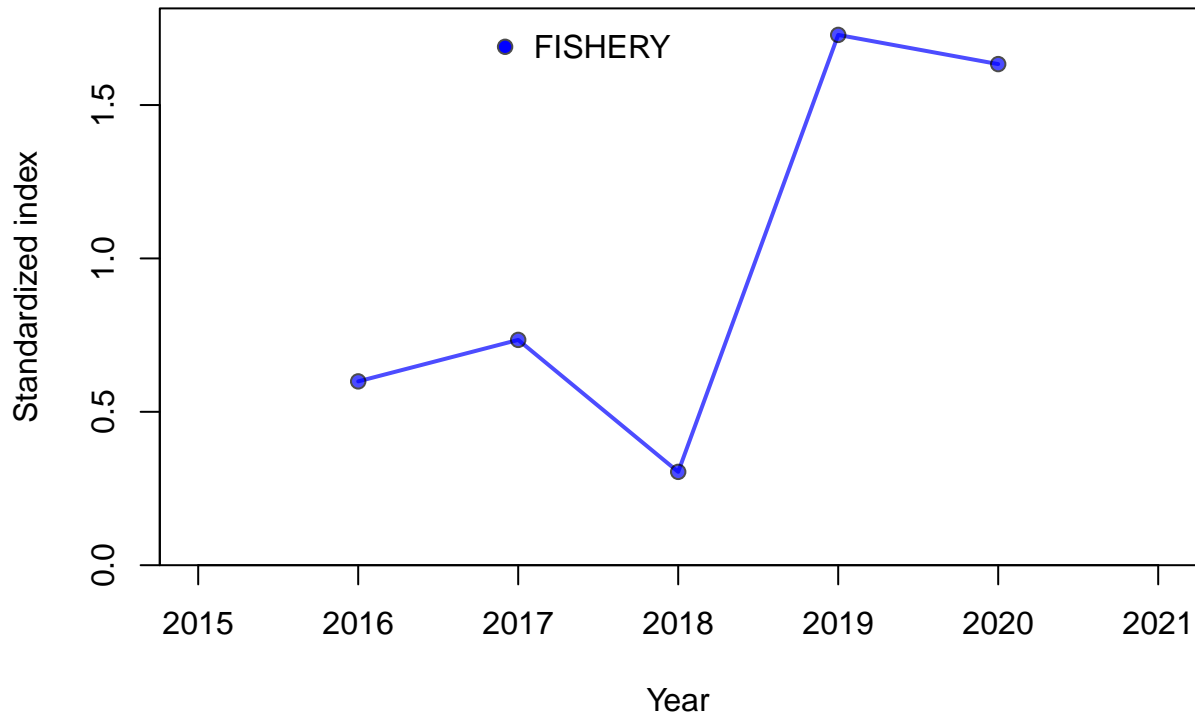


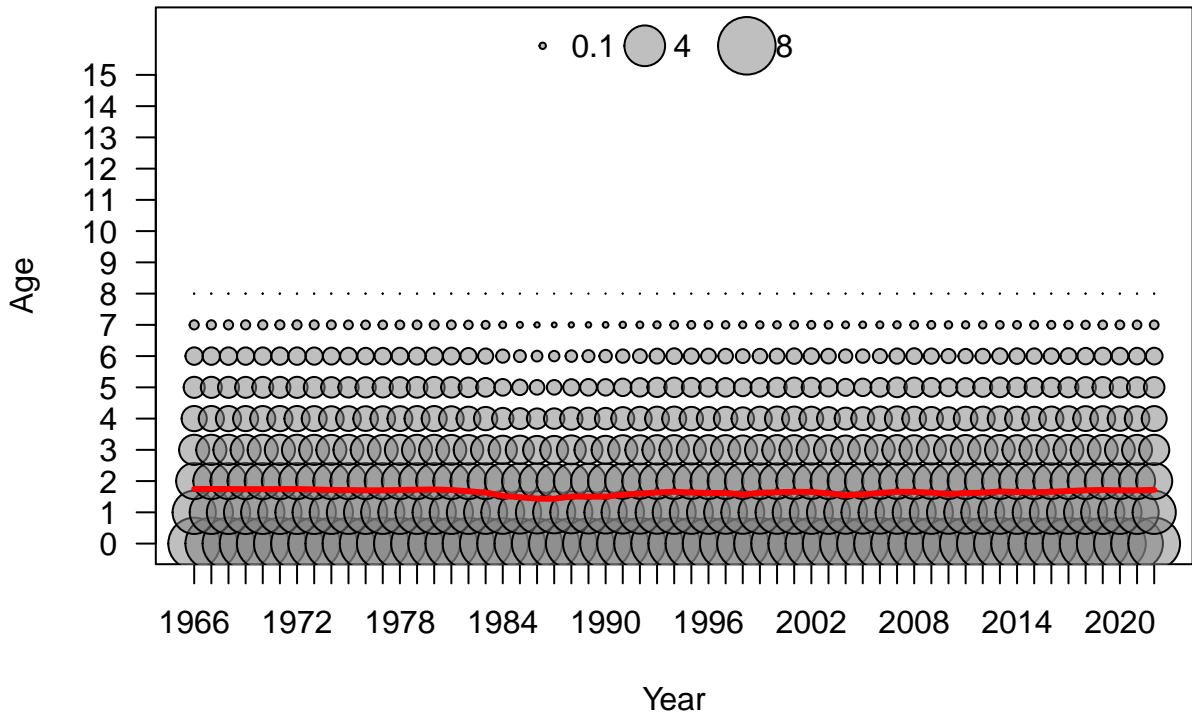


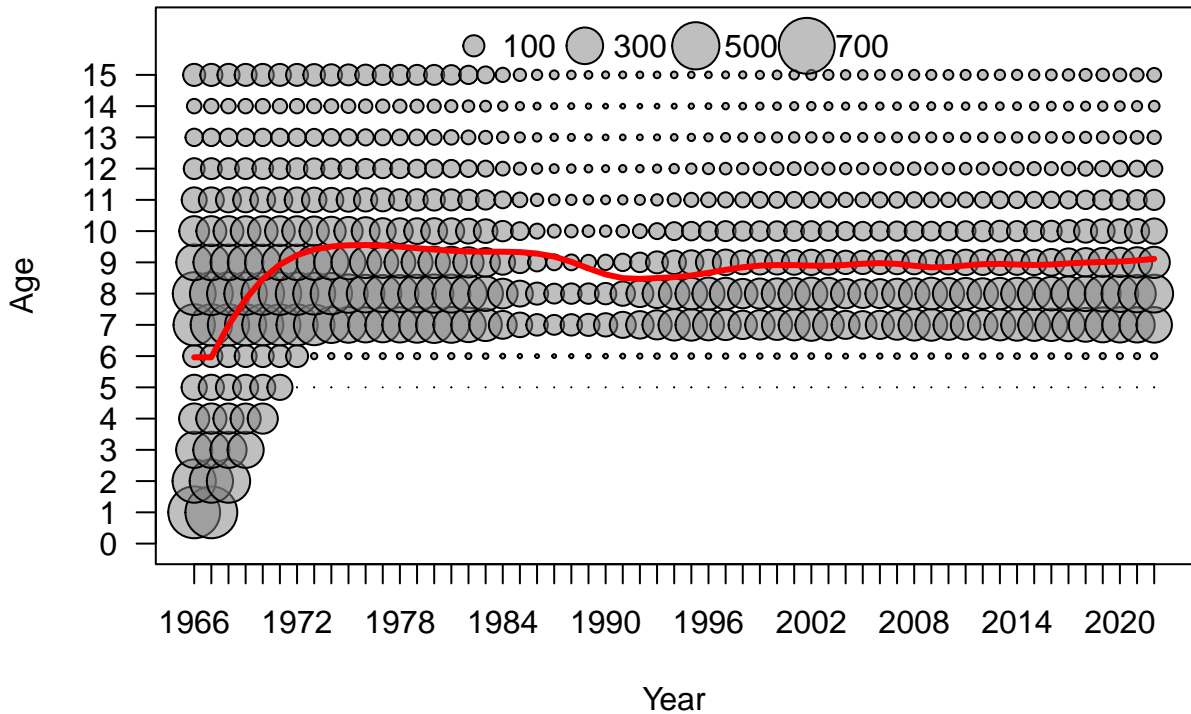


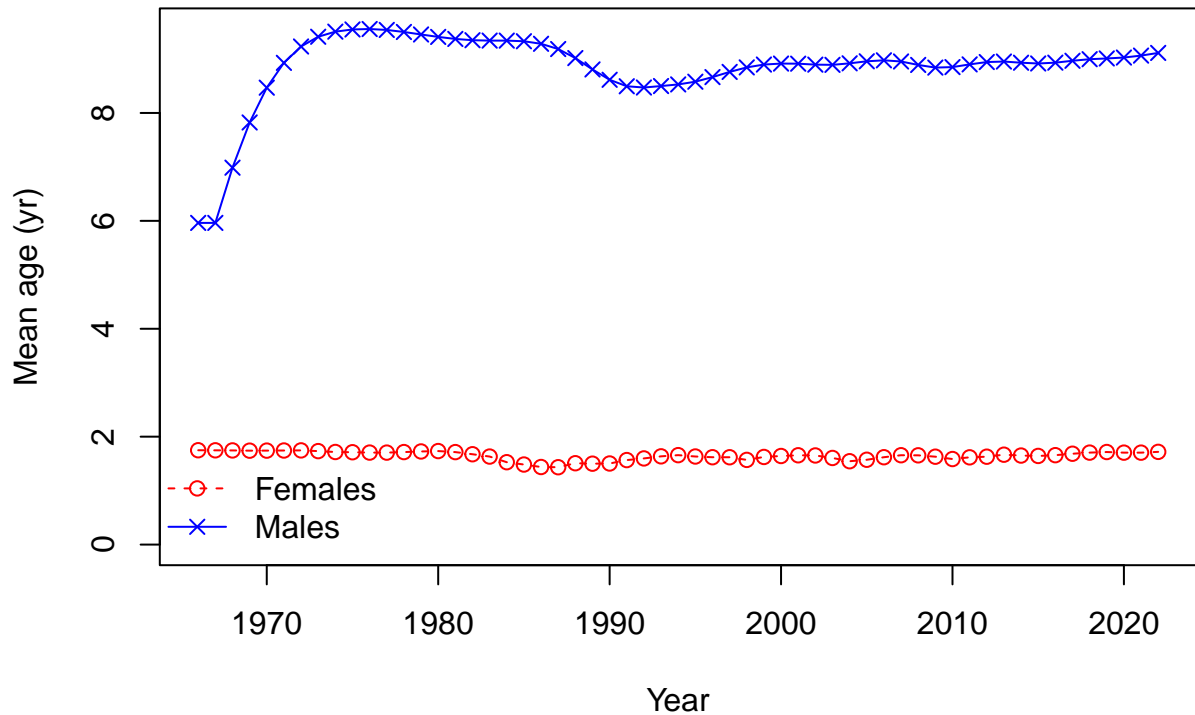




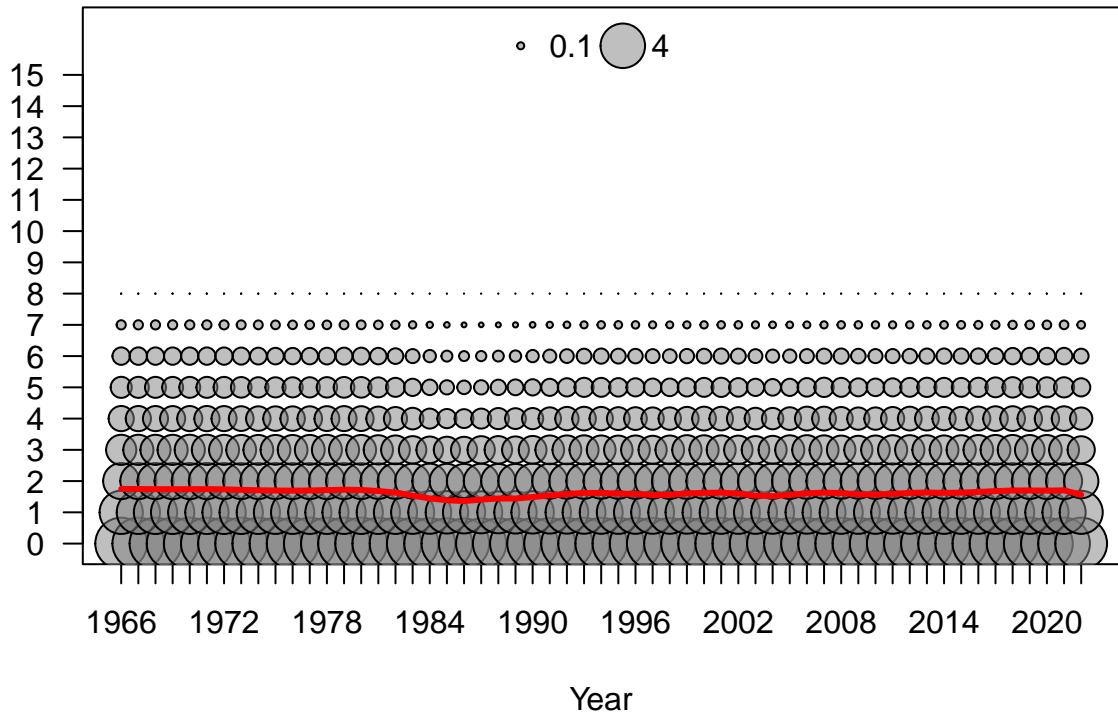


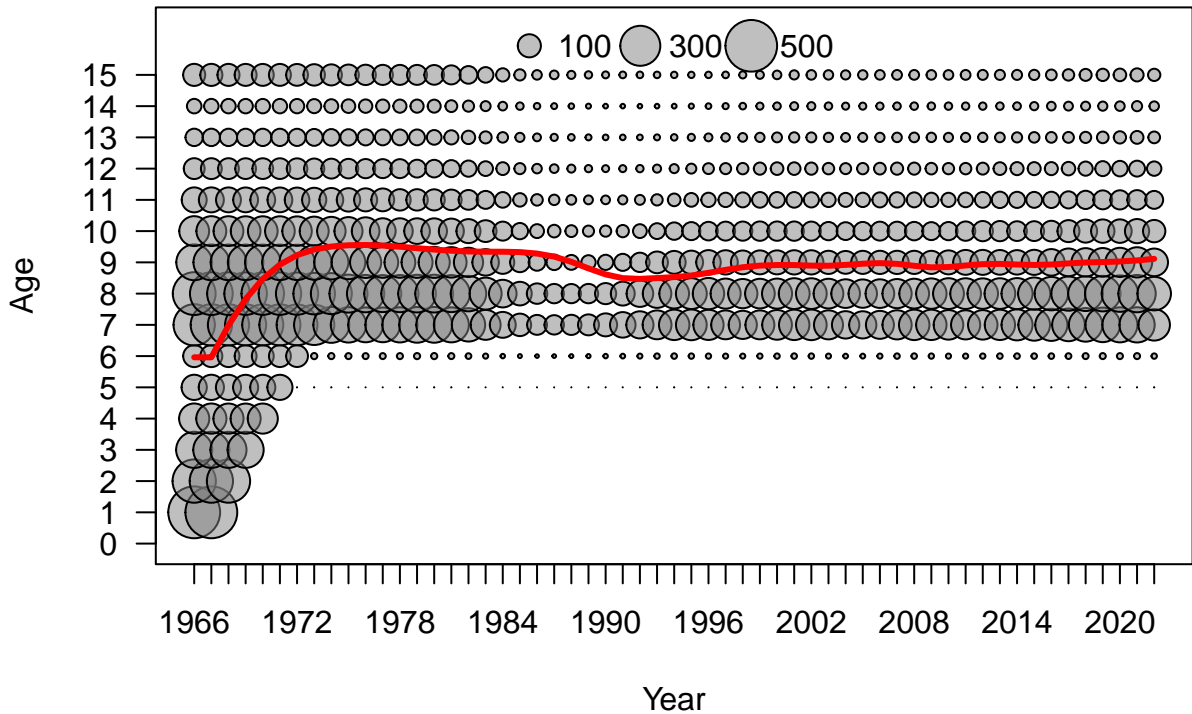


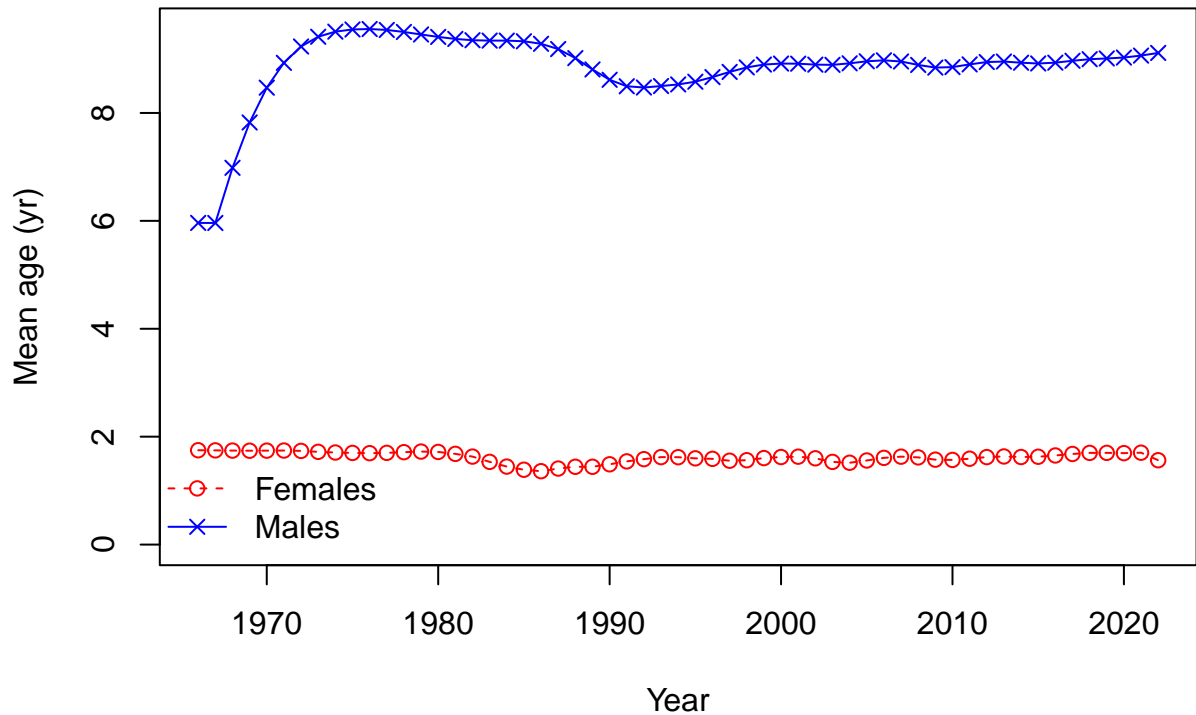




Age







Age

14
12
10
8
6
4
2
0

1970

1980

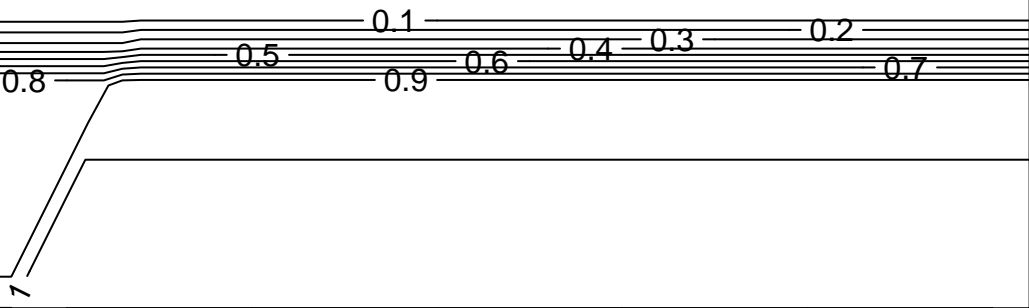
1990

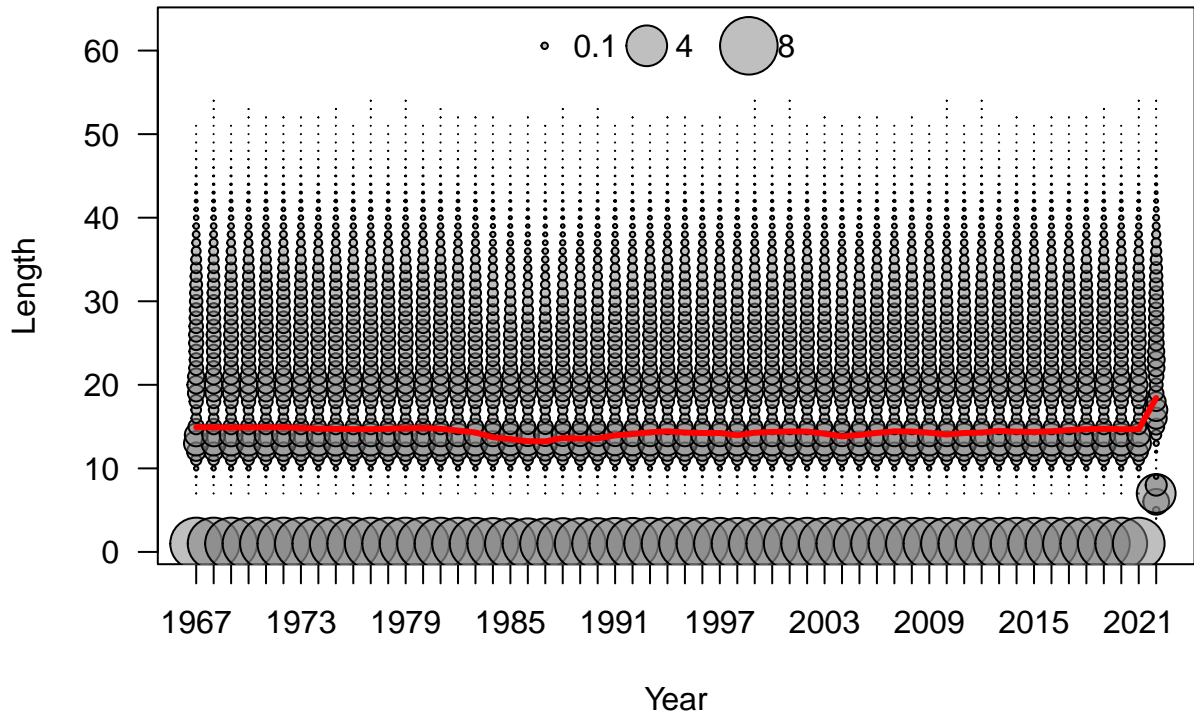
2000

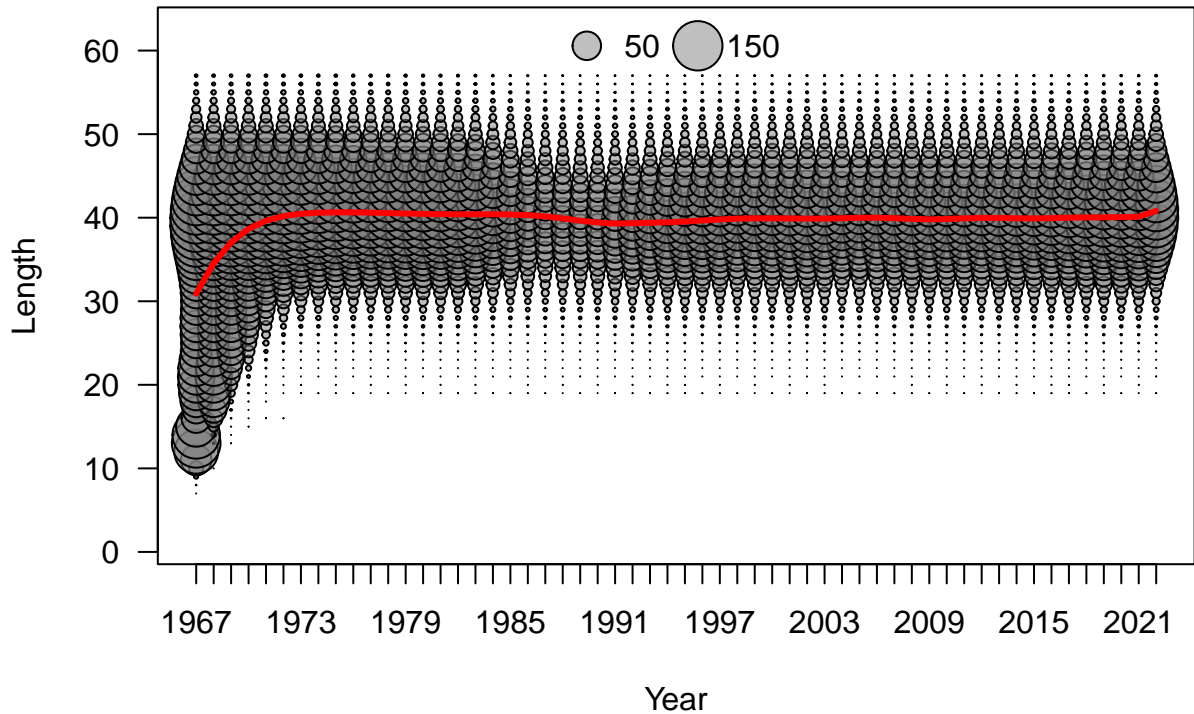
2010

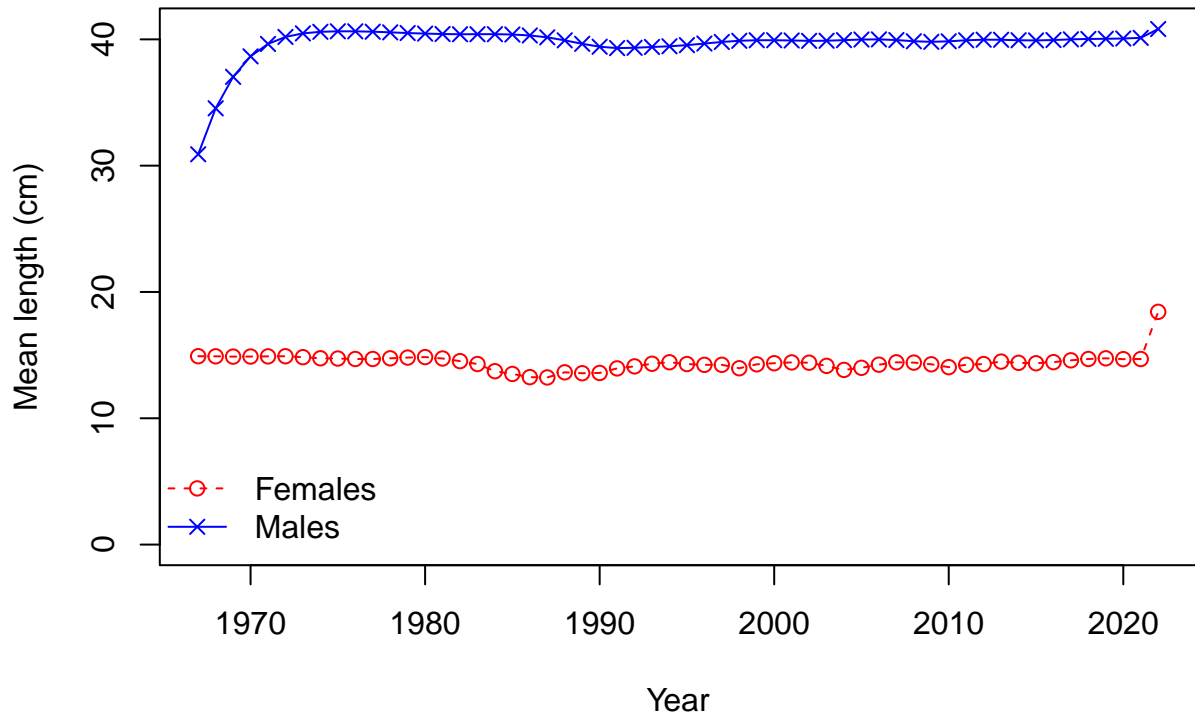
2020

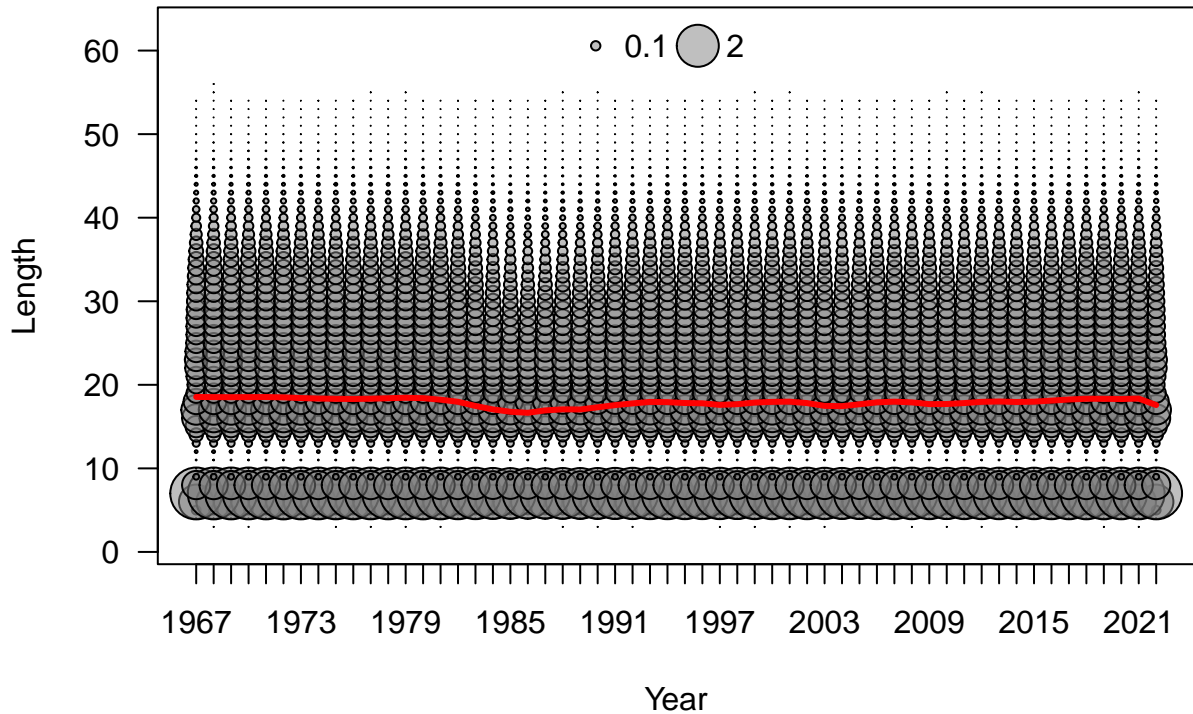
Year

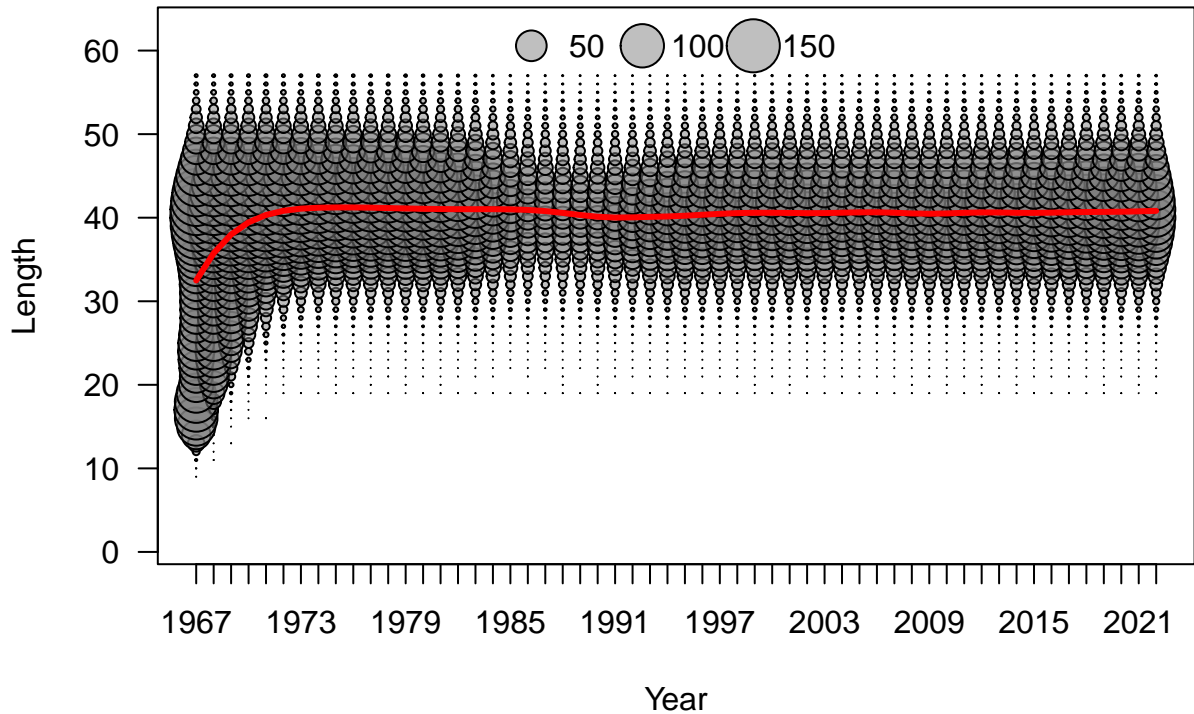


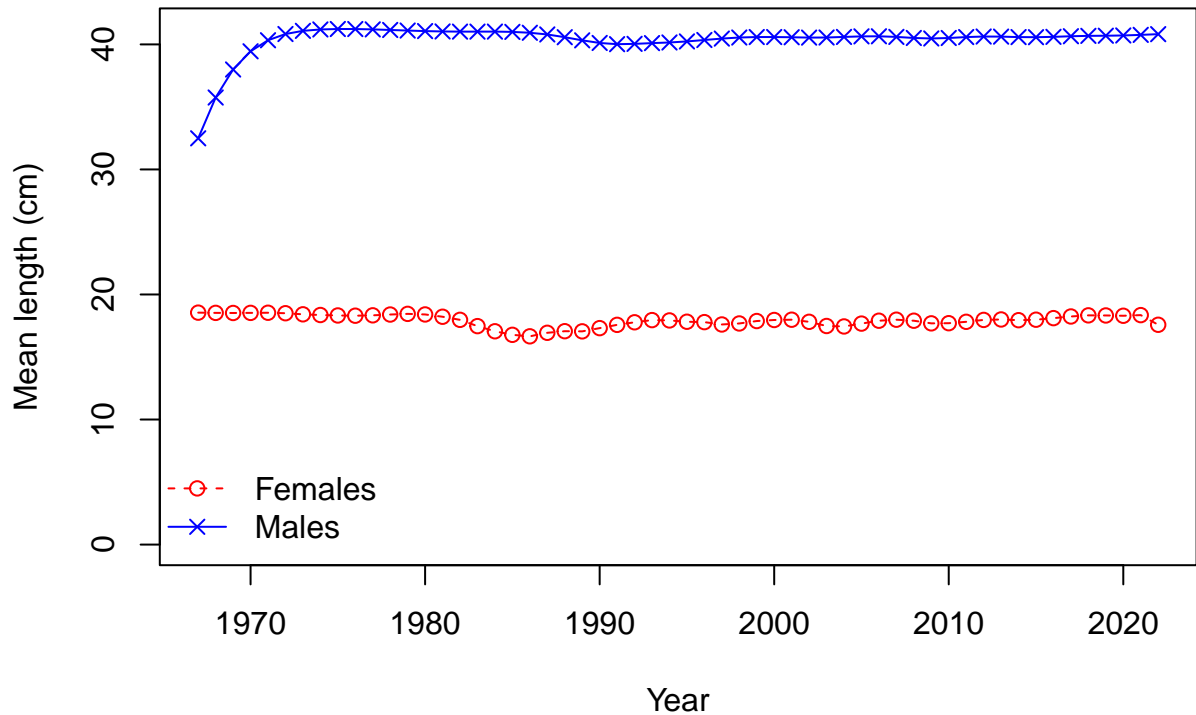


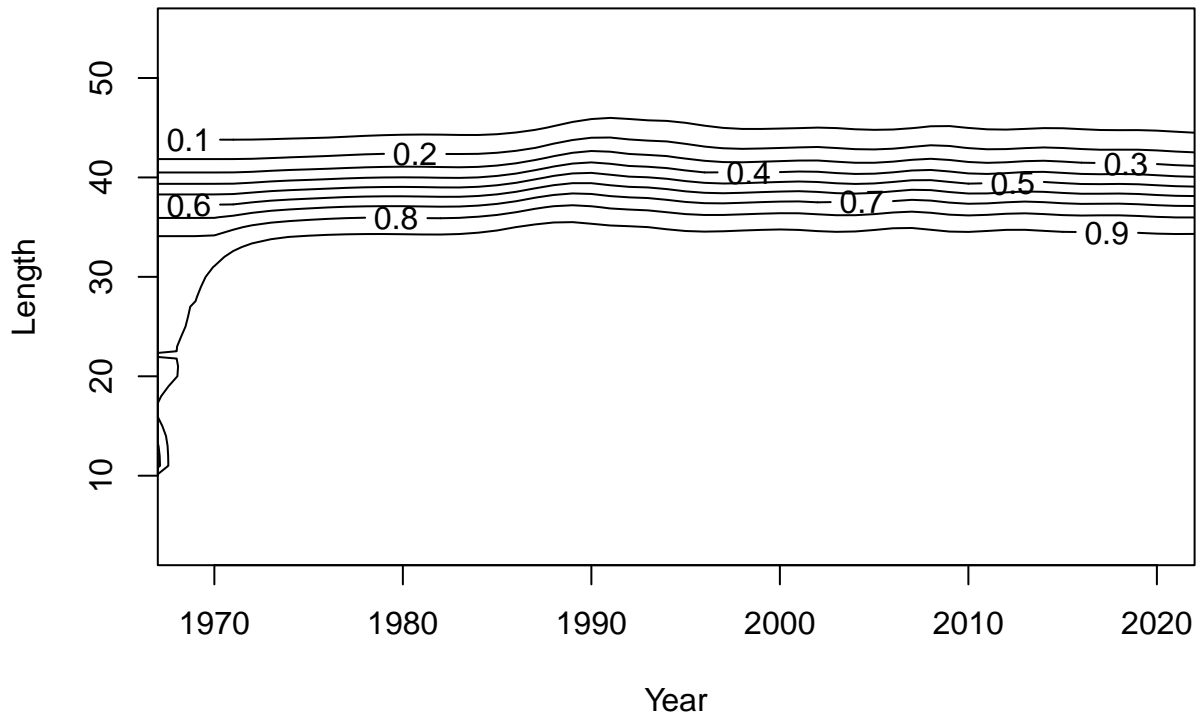


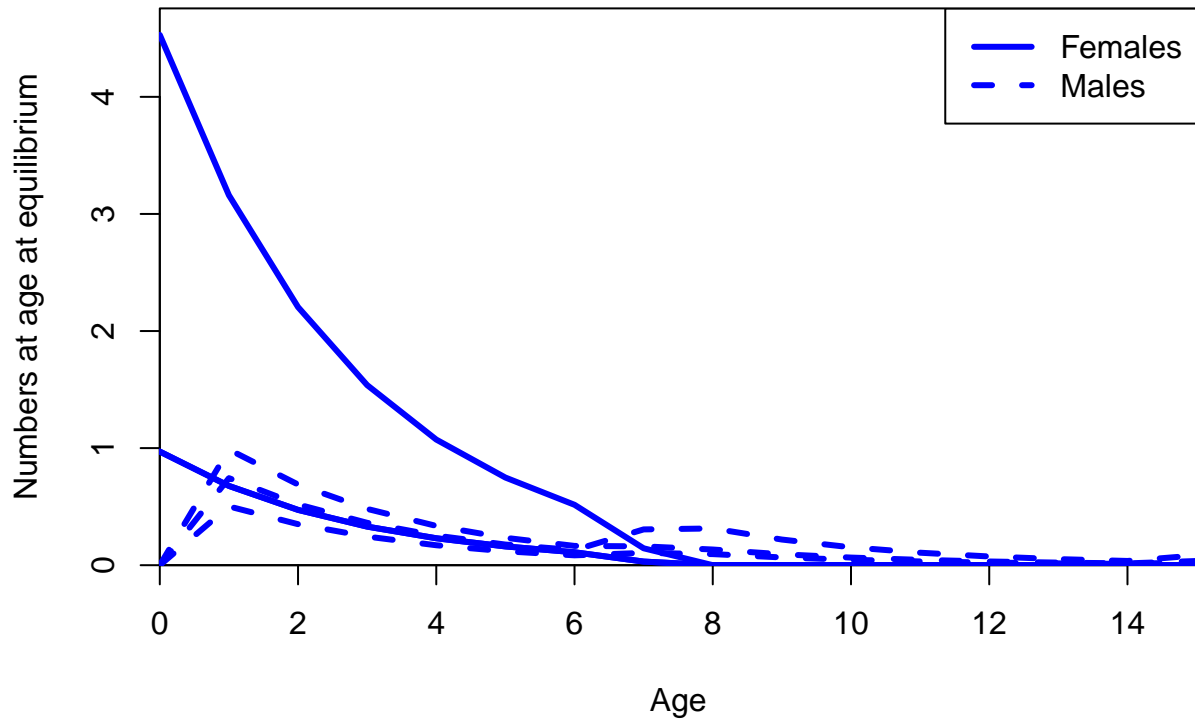


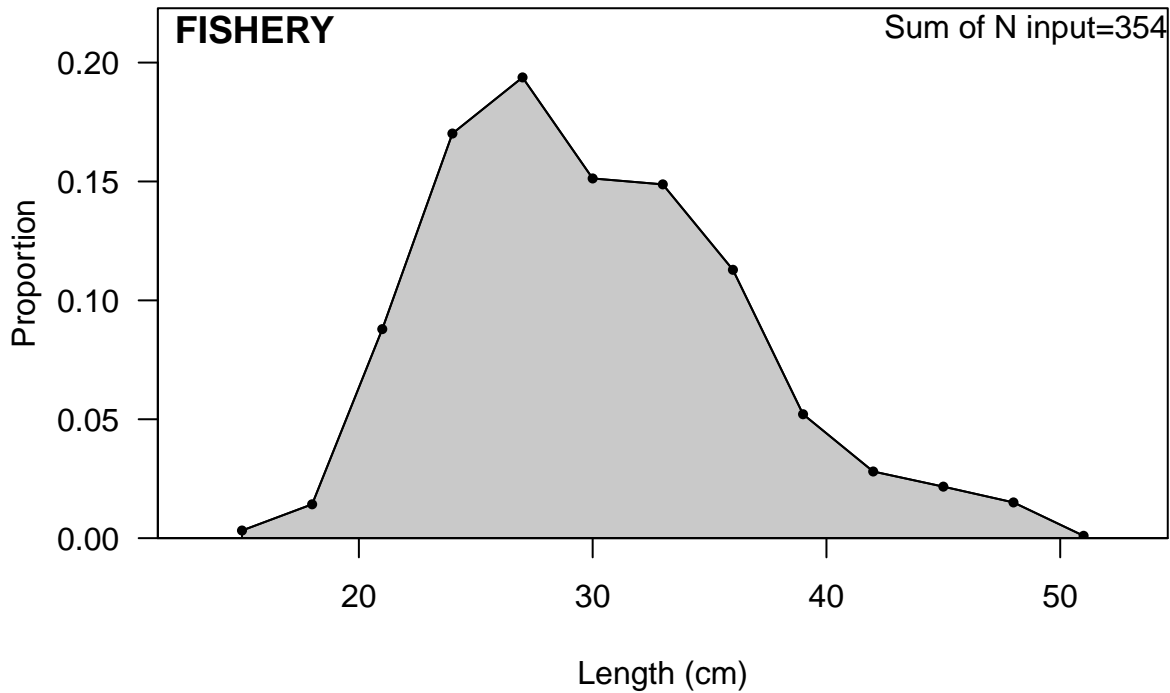


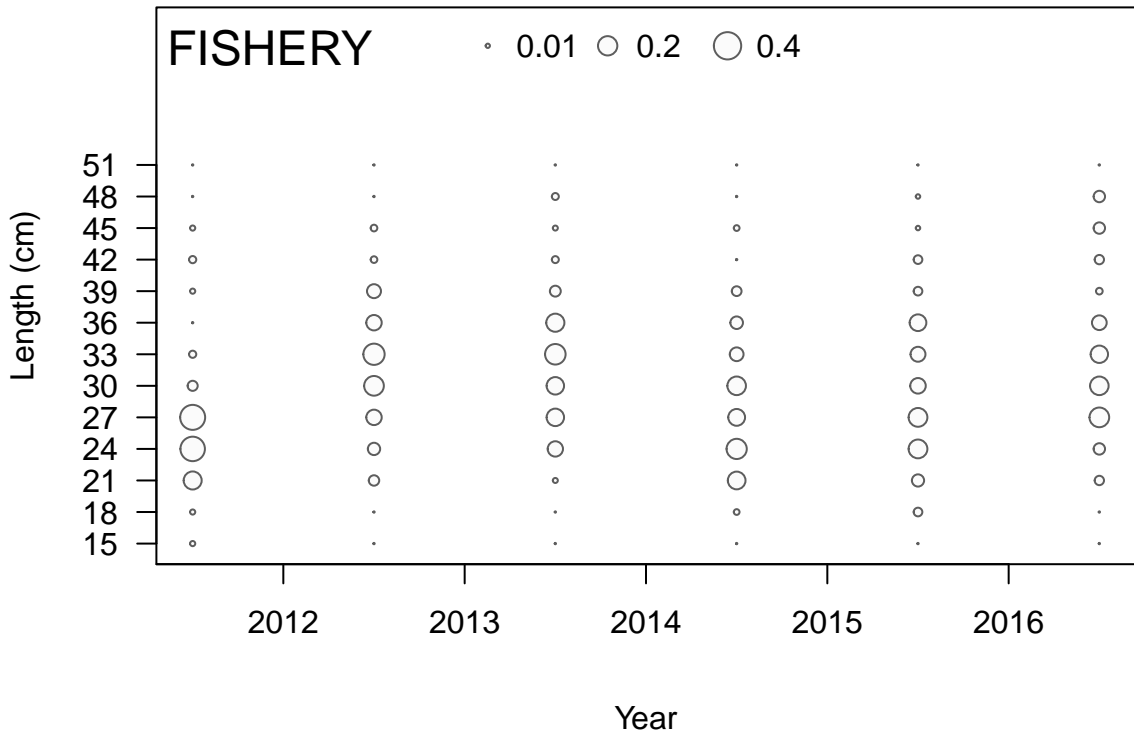




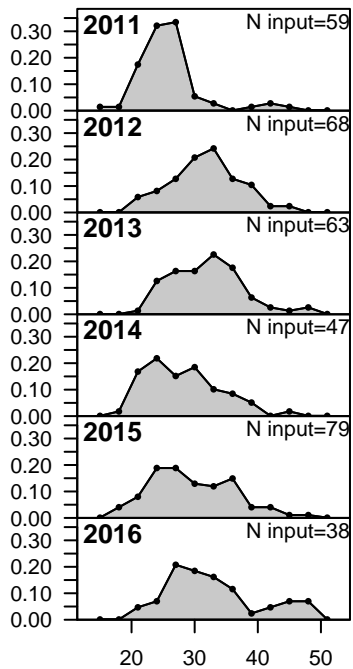




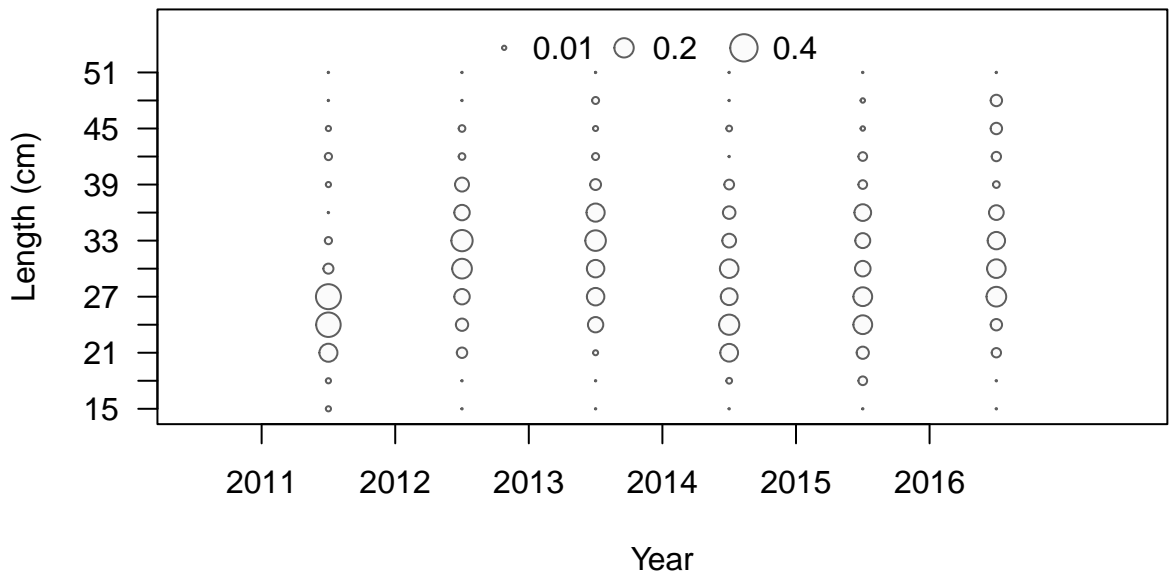




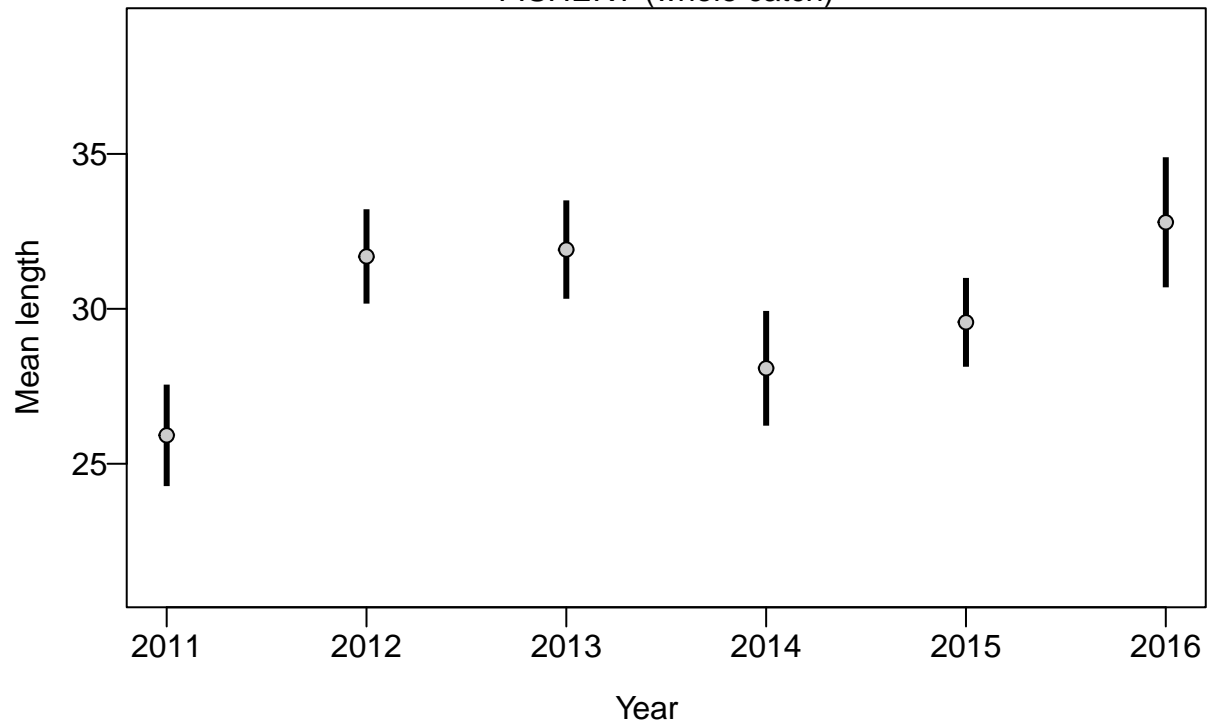
Proportion



Length (cm)

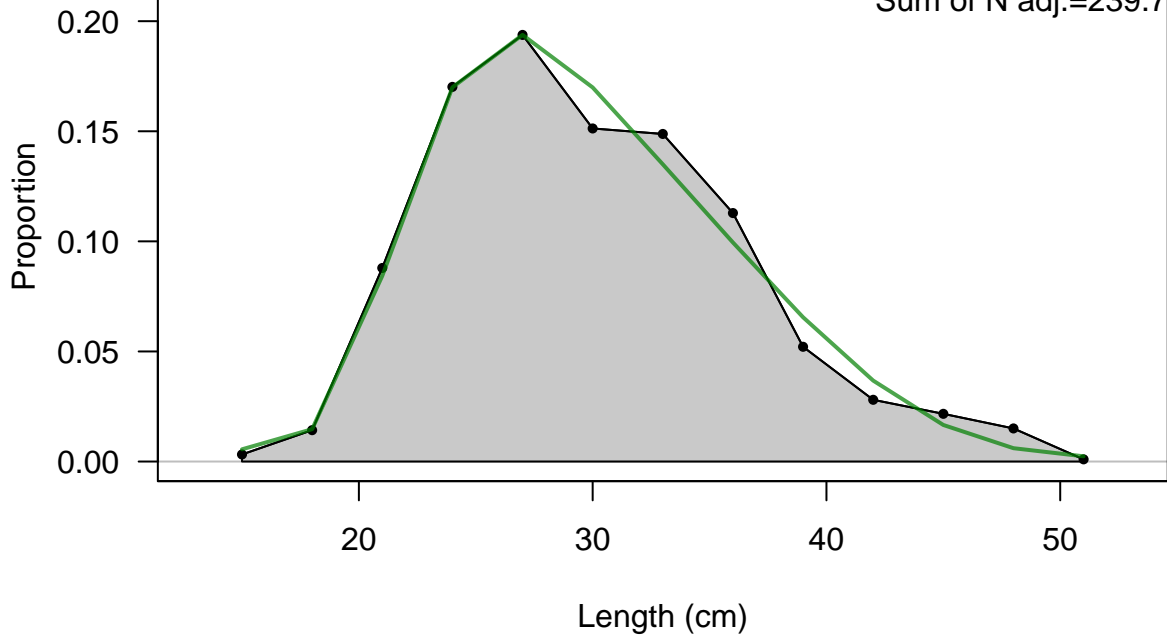


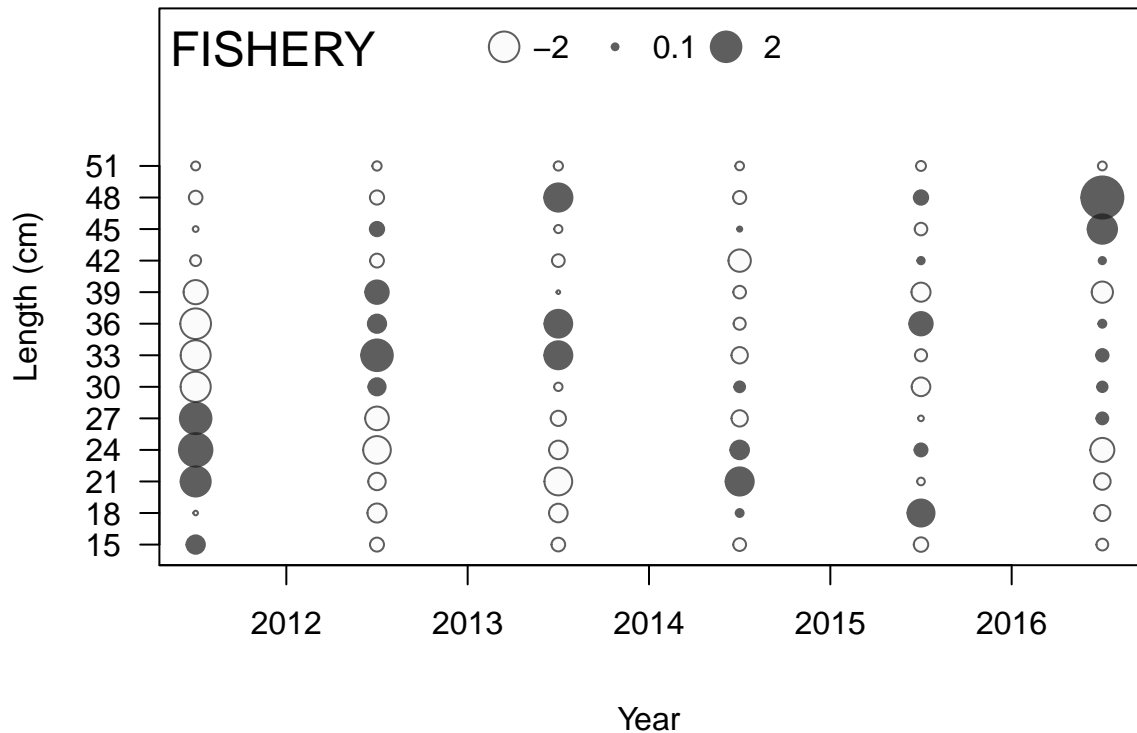
FISHERY (whole catch)



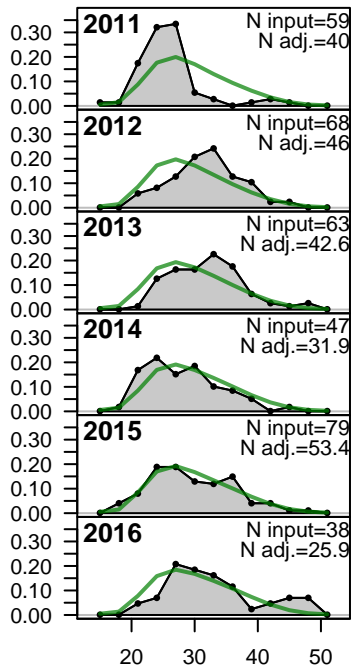
FISHERY

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

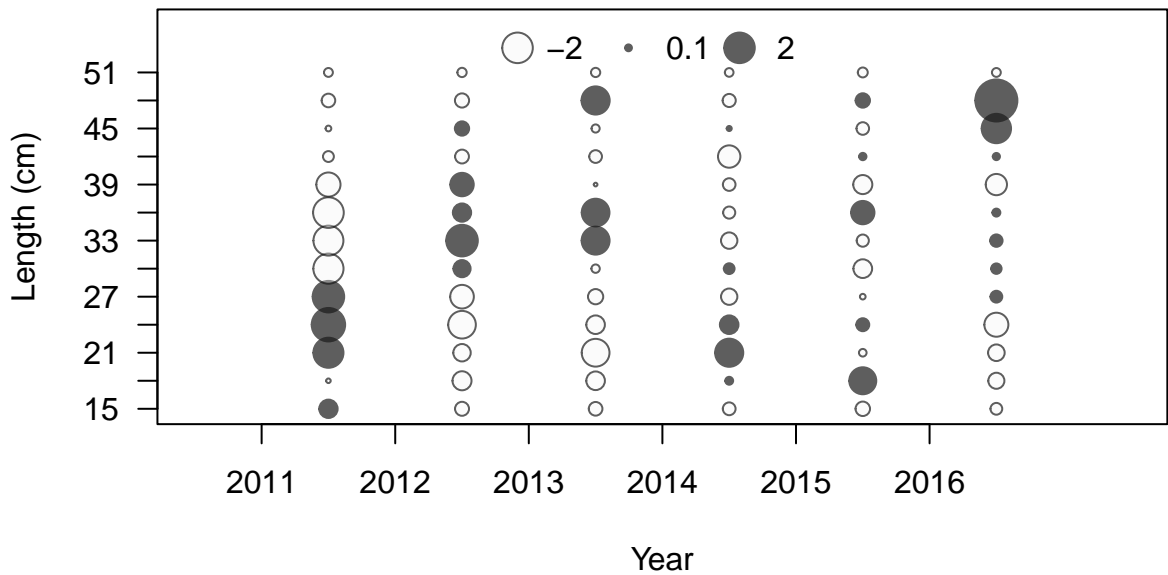




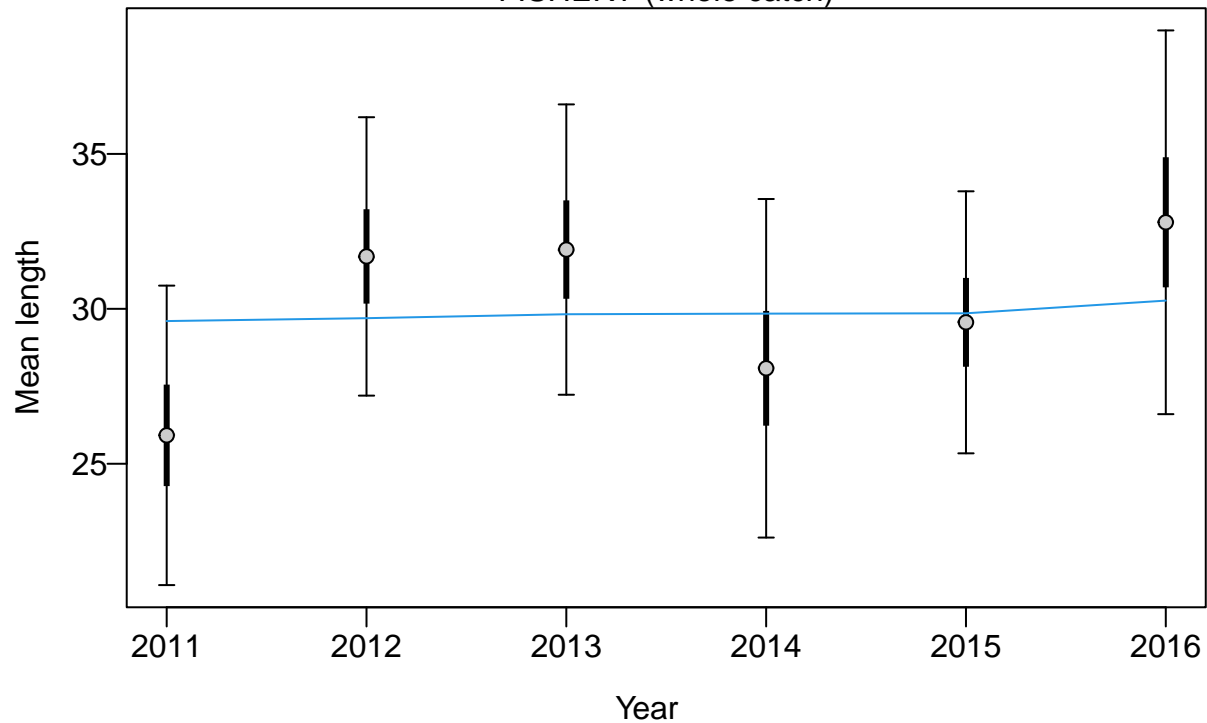
Proportion

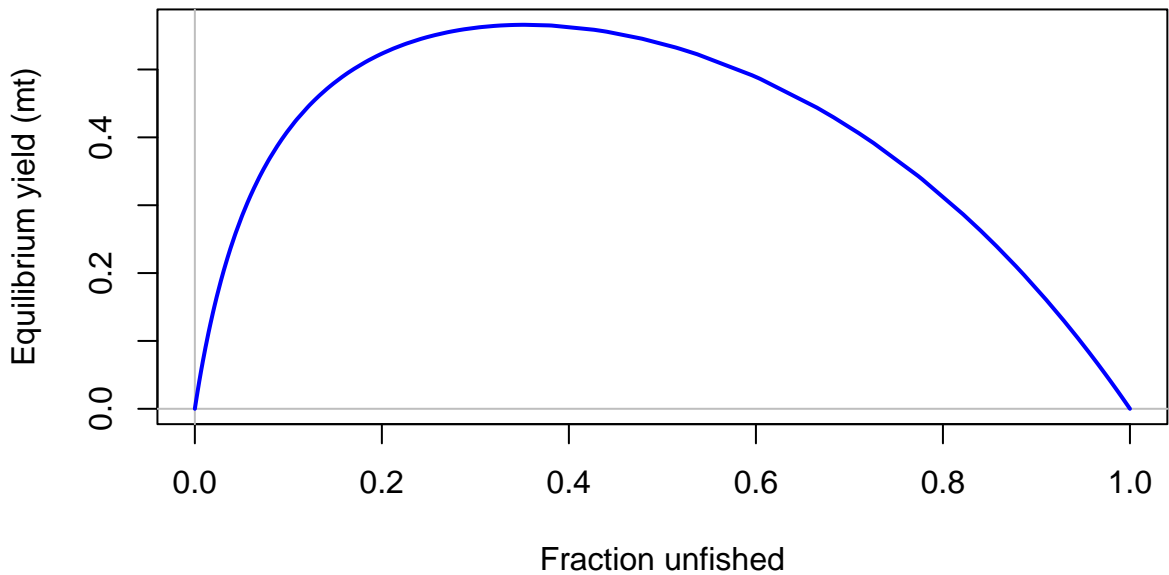


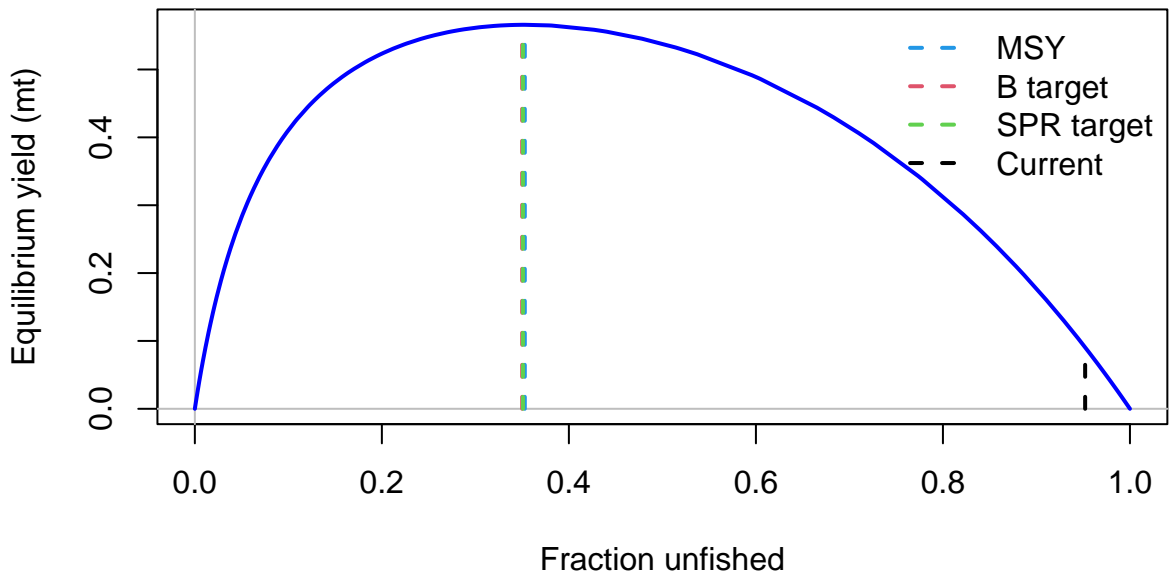
Length (cm)

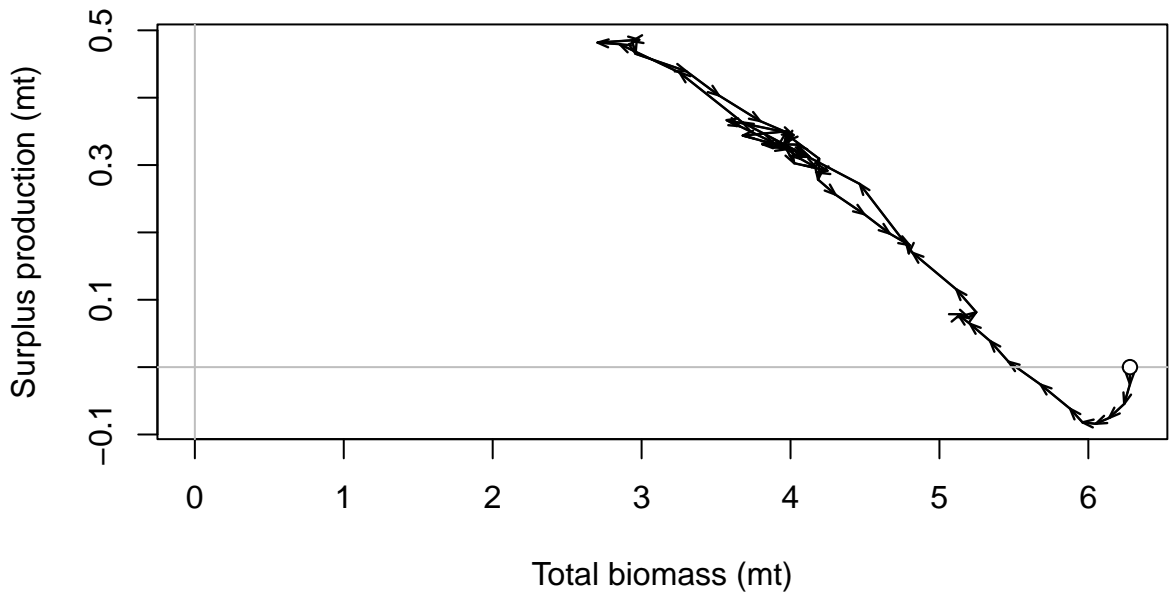


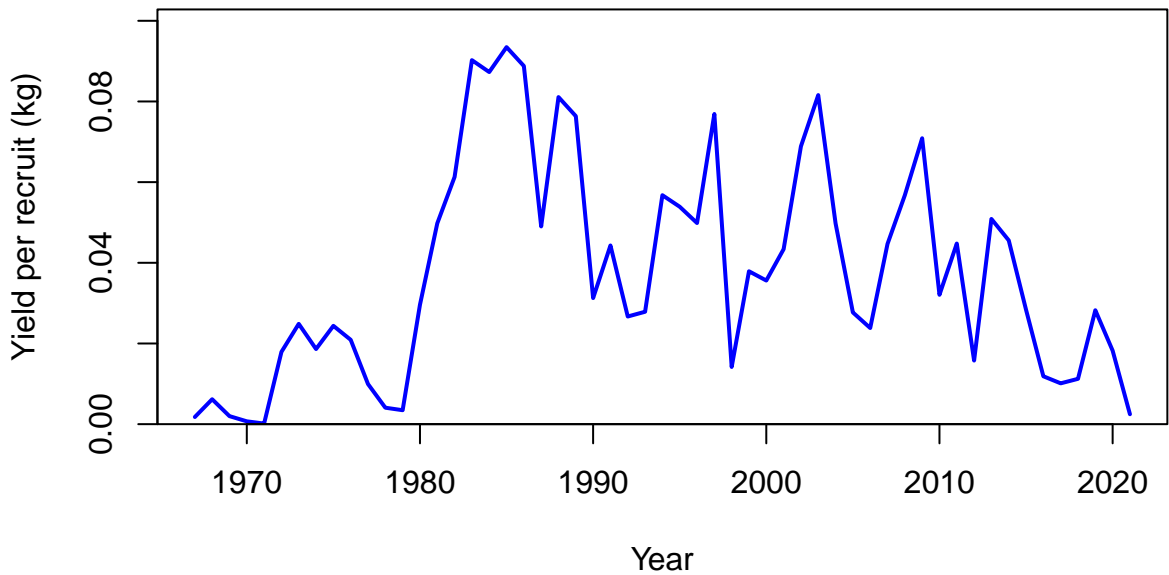
FISHERY (whole catch)

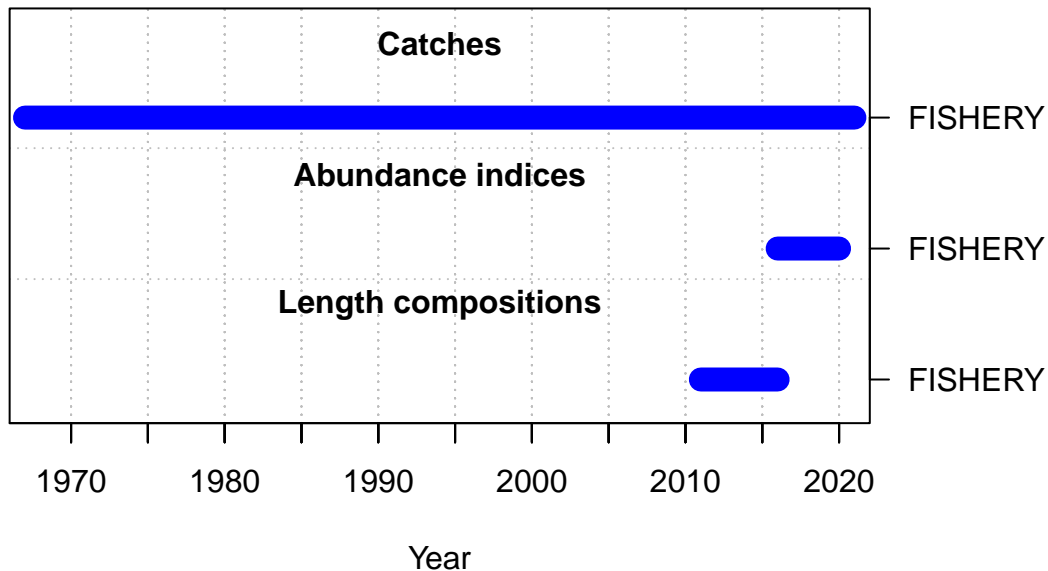


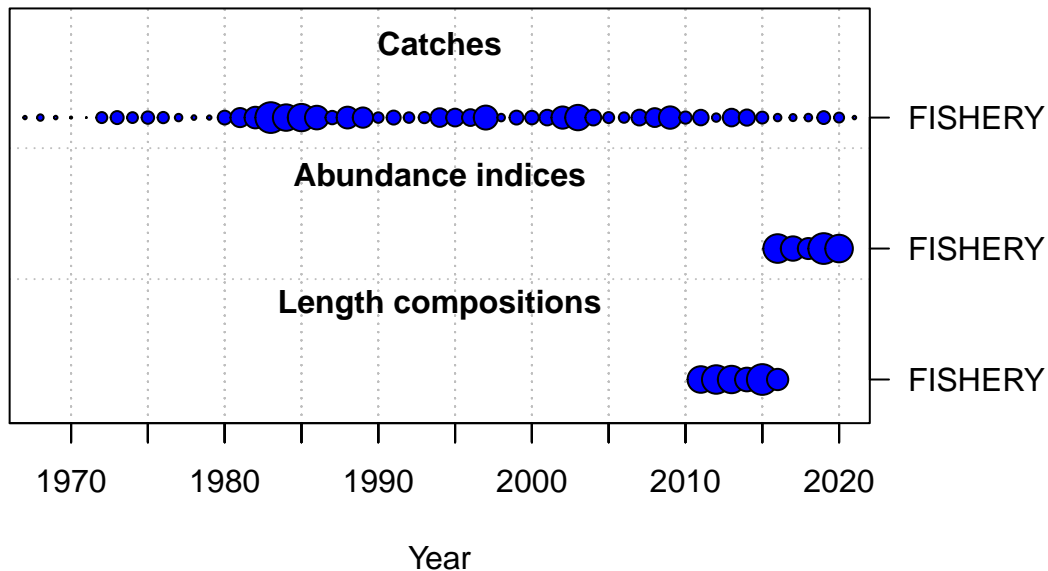




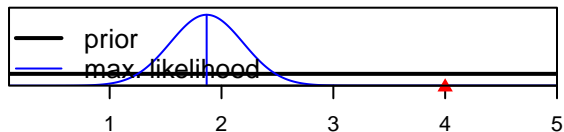




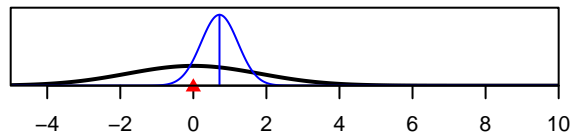




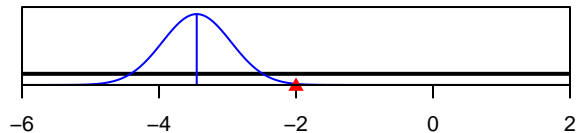
SR_LN(R0)



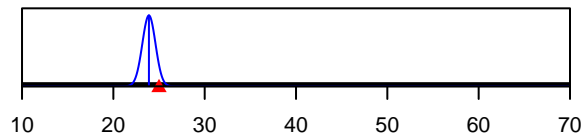
ln(DM_theta)_1



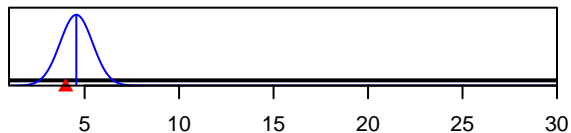
LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Parameter value