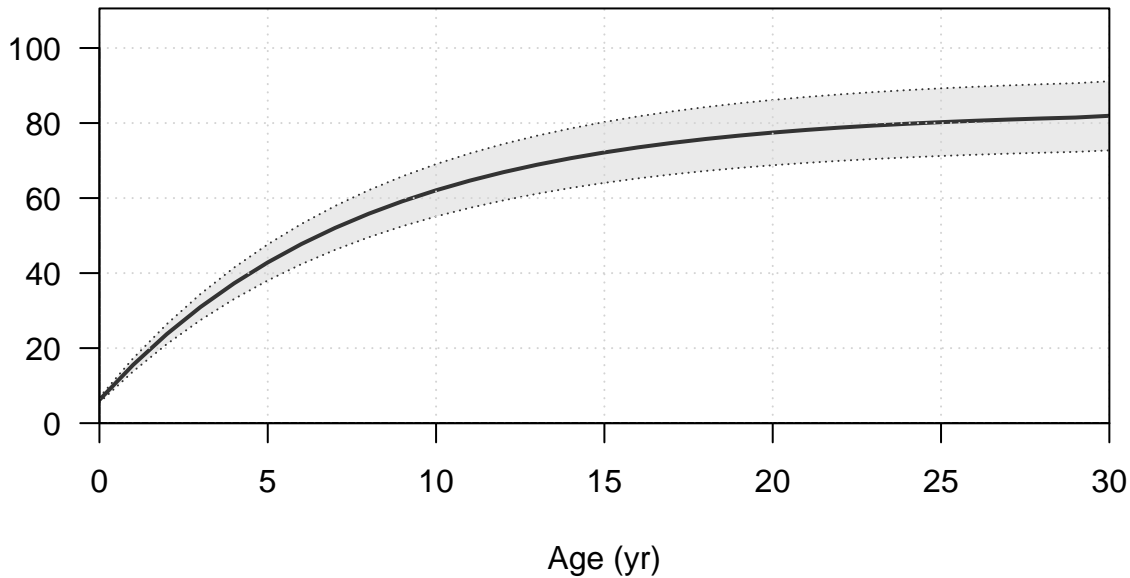
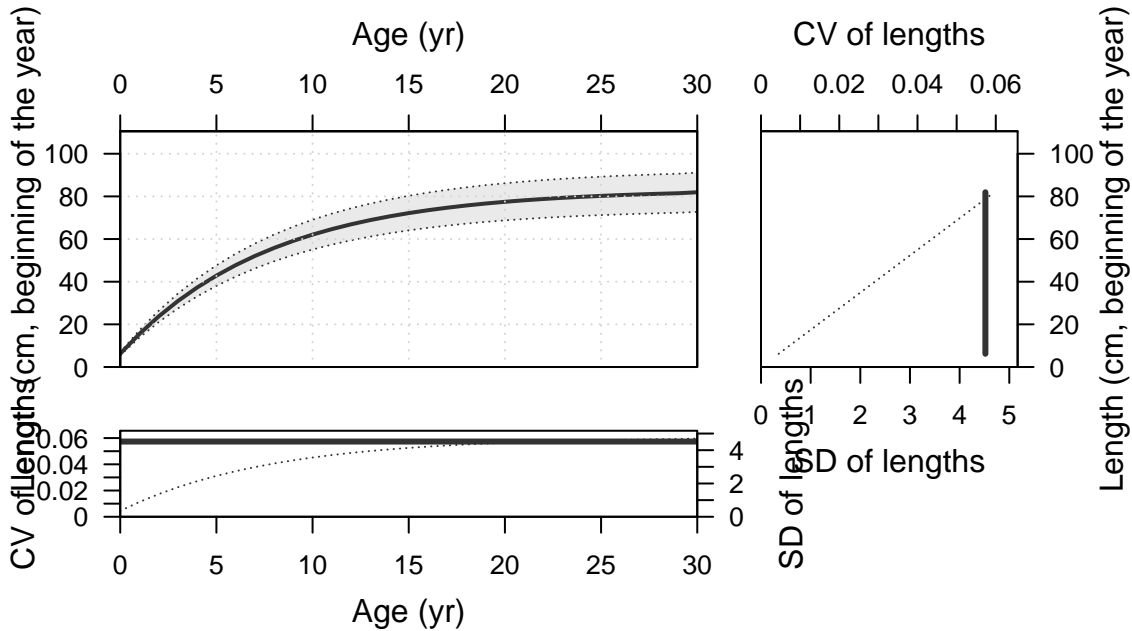
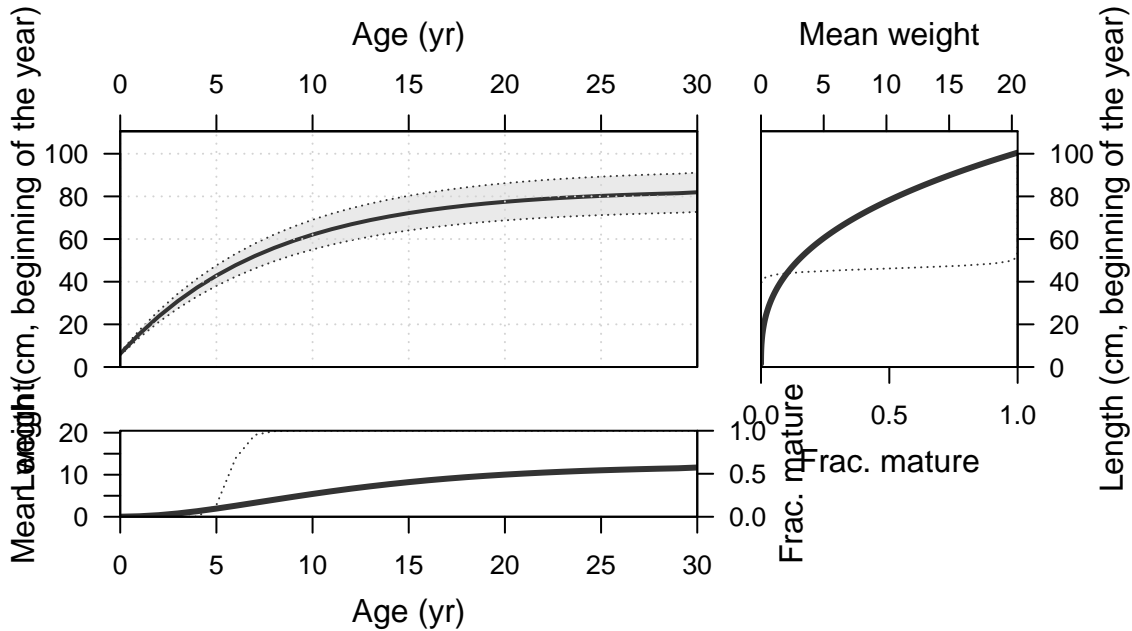


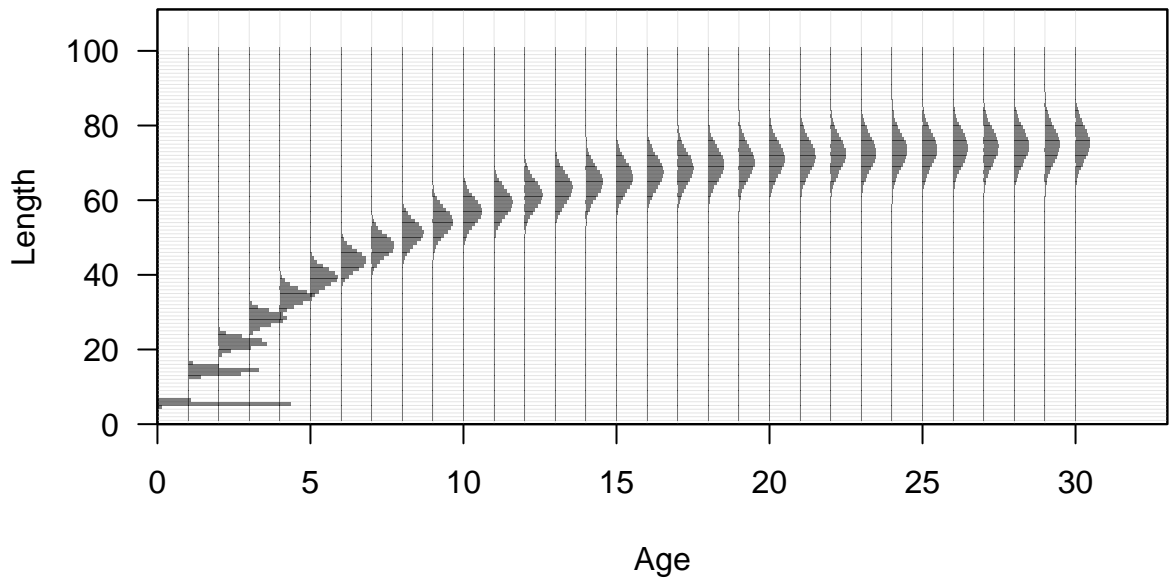
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Jan 10 11:29:11 2023
Data_File: data.ss
Control_File: control.ss

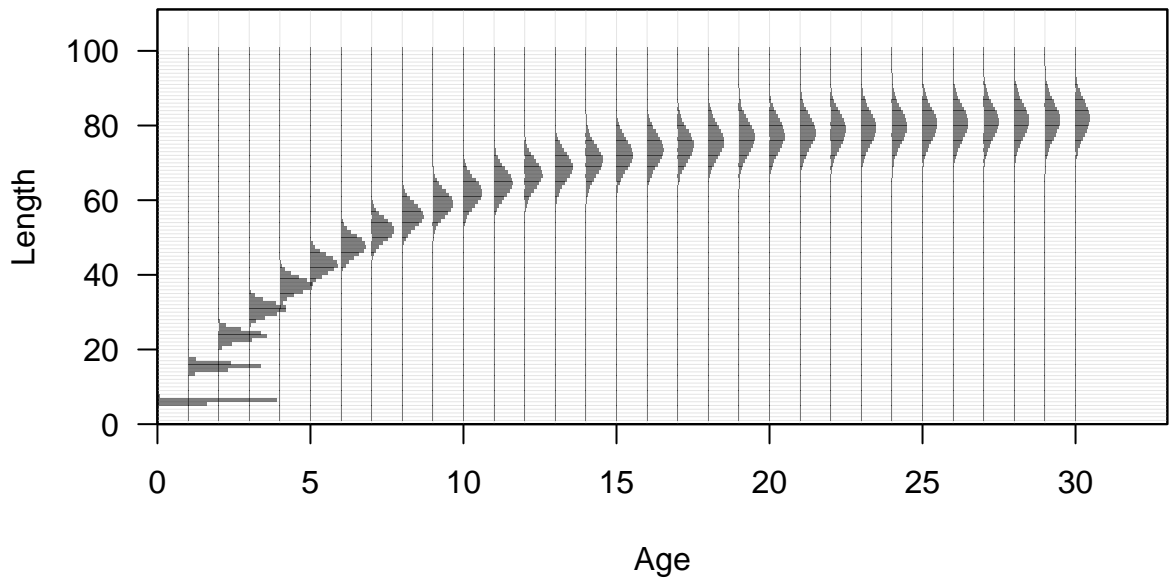
Length (cm, beginning of the year)

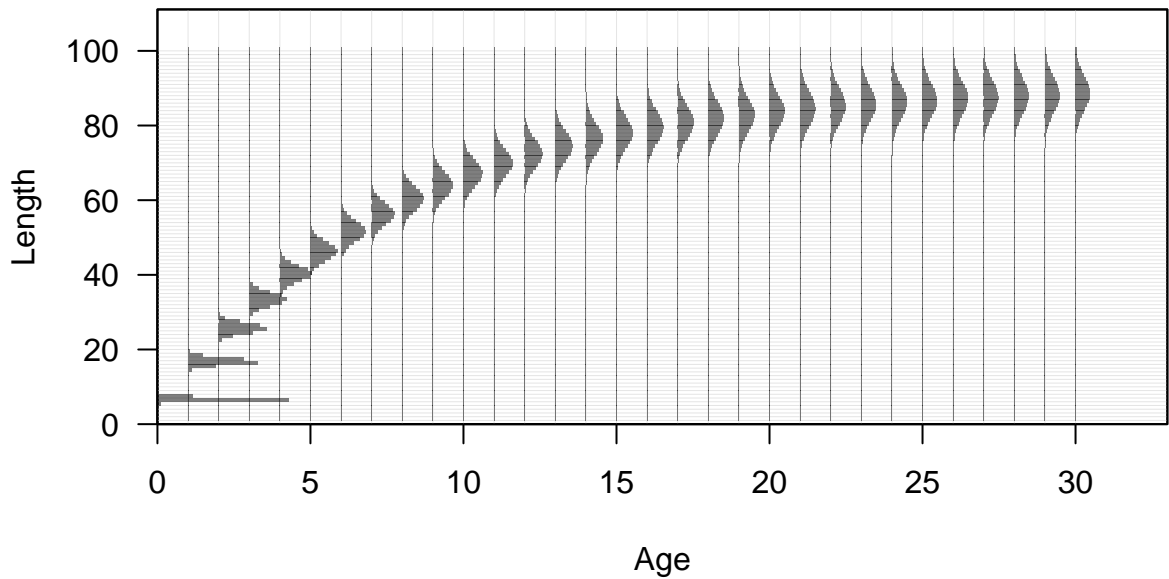


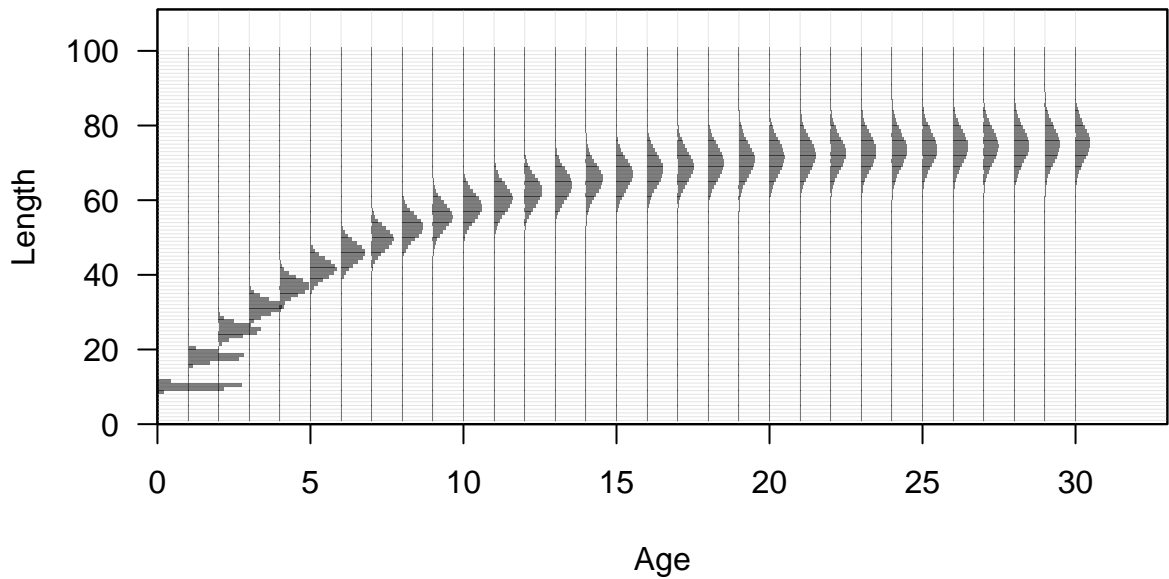


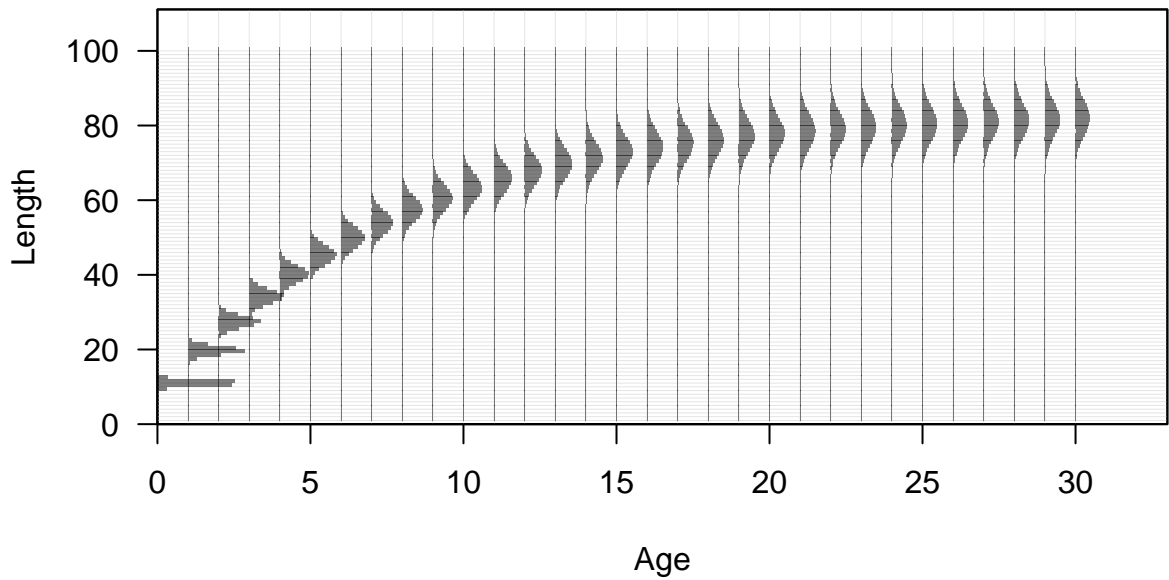


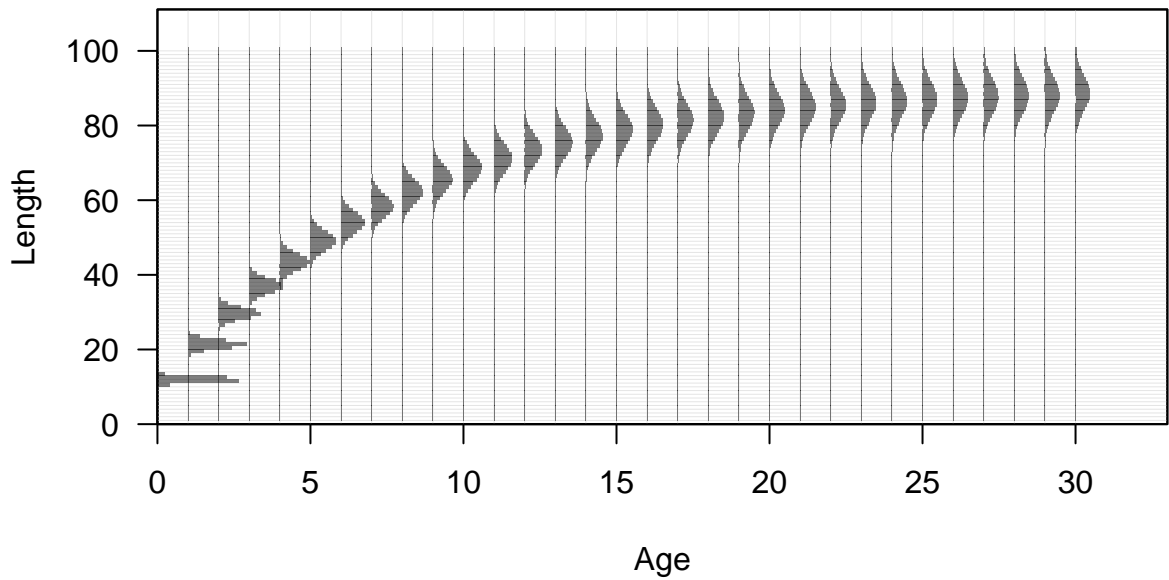




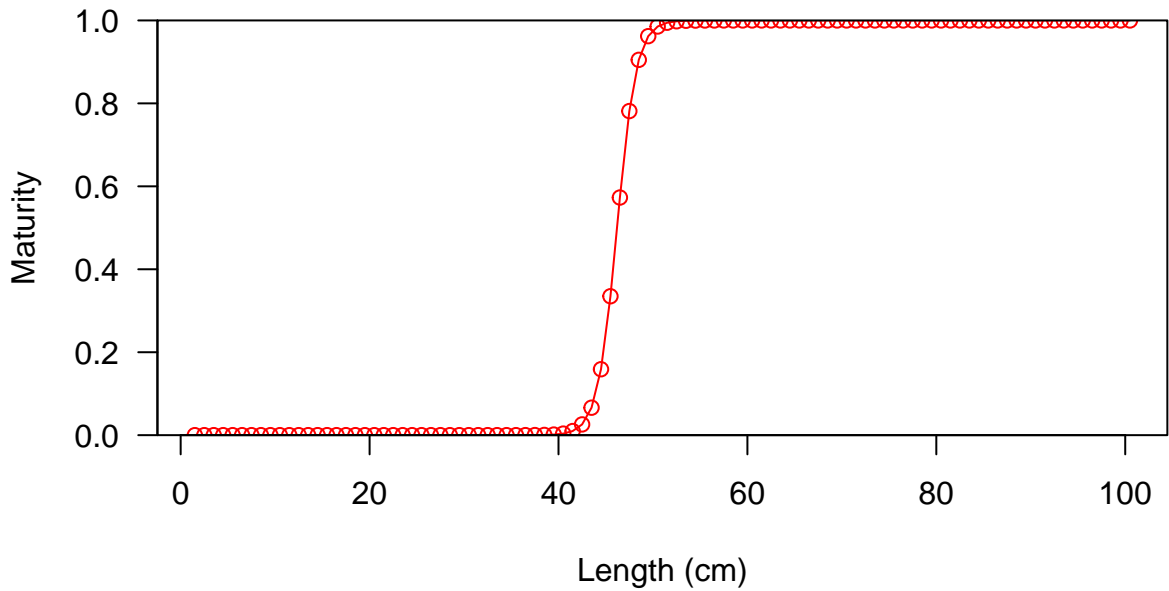


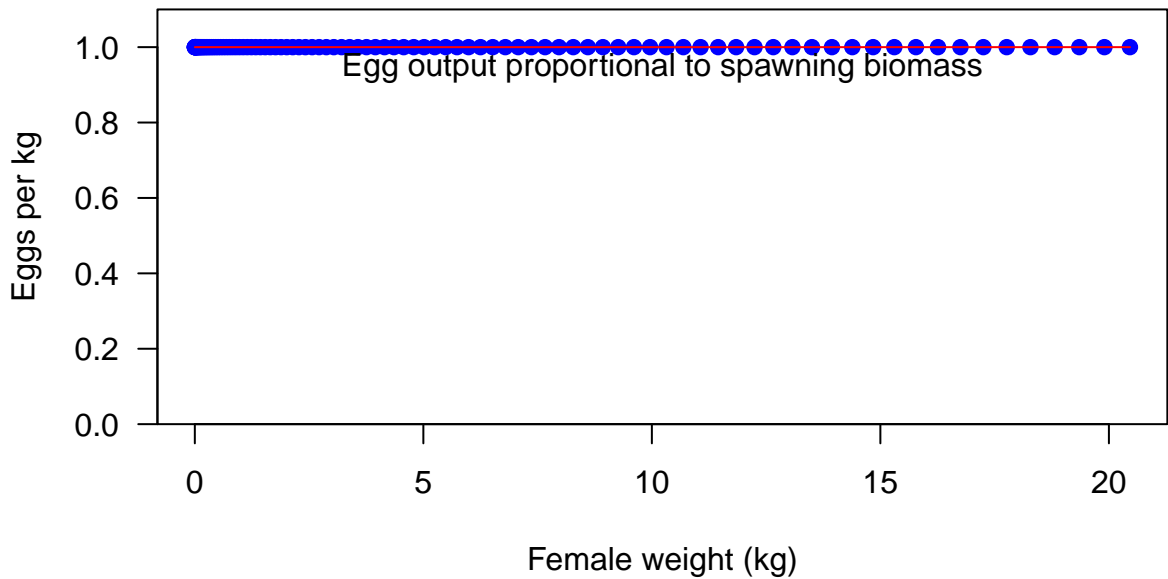




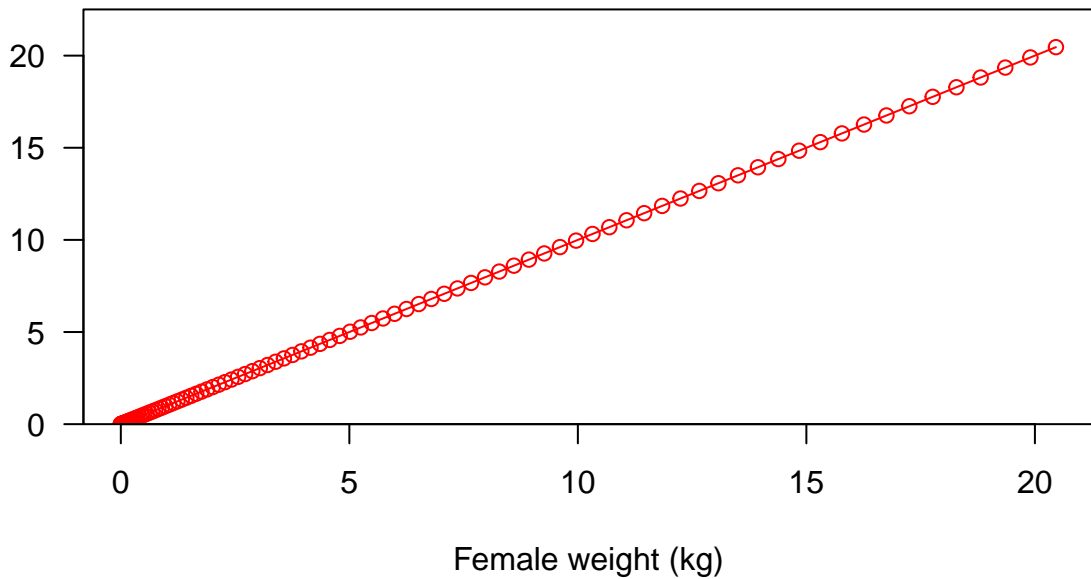








Fecundity



Fecundity

20

15

10

5

0

0

20

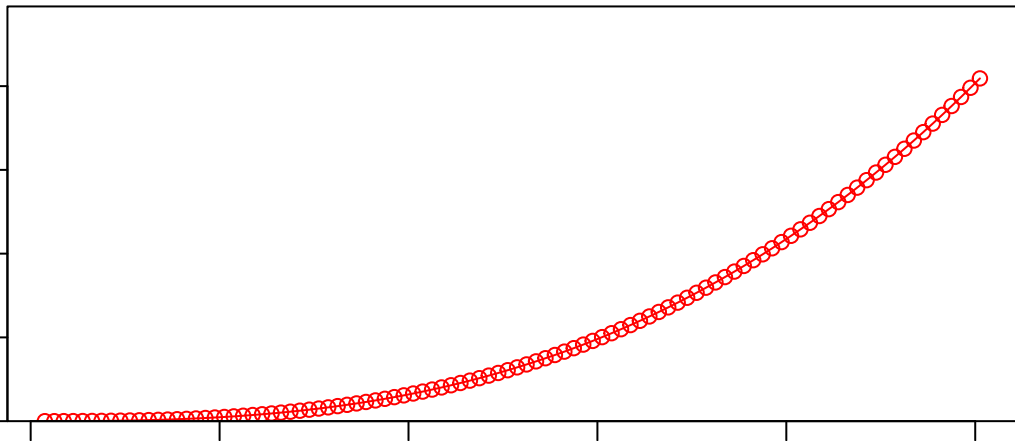
40

60

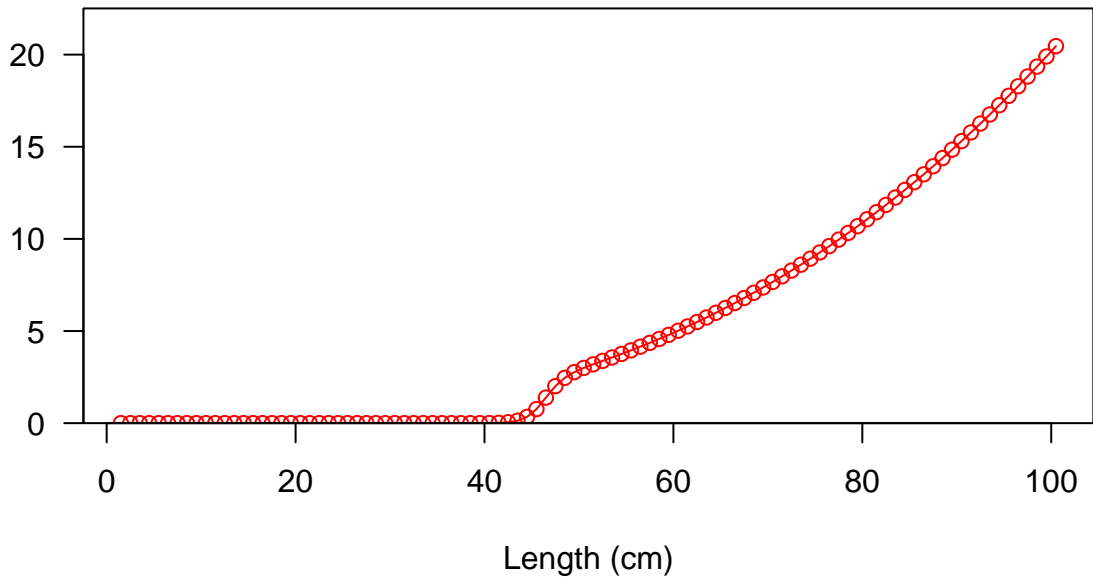
80

100

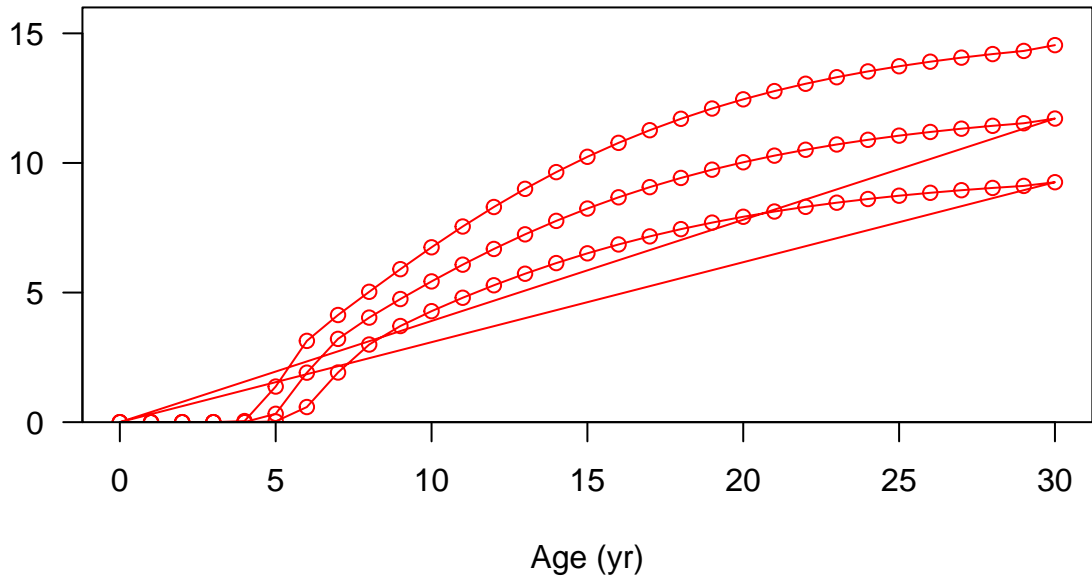
Female length (cm)



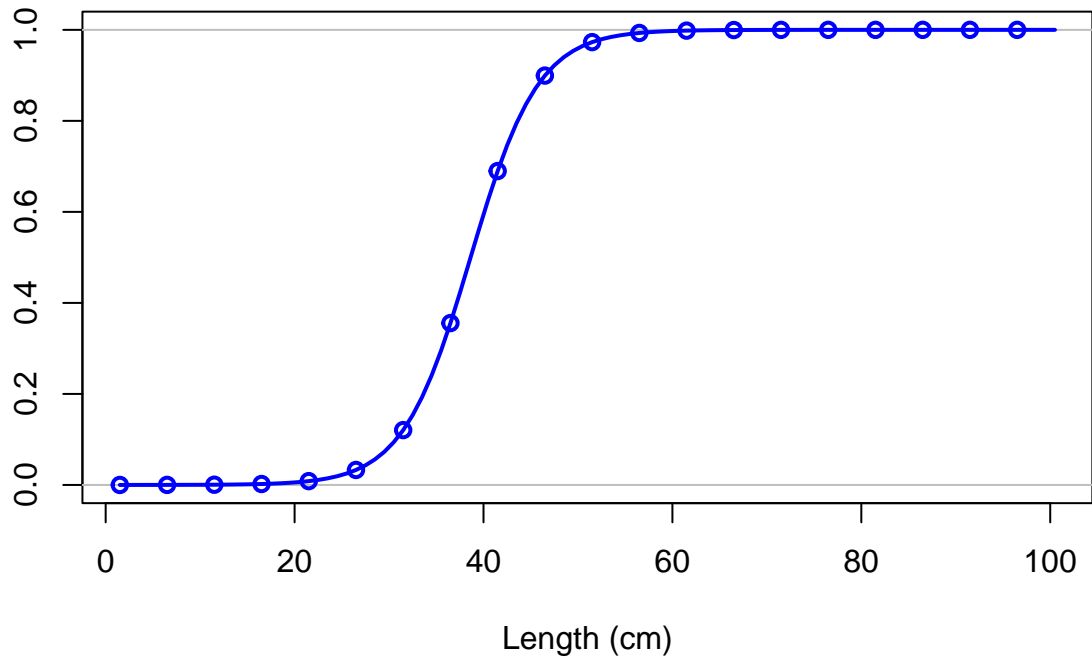
Spawning output



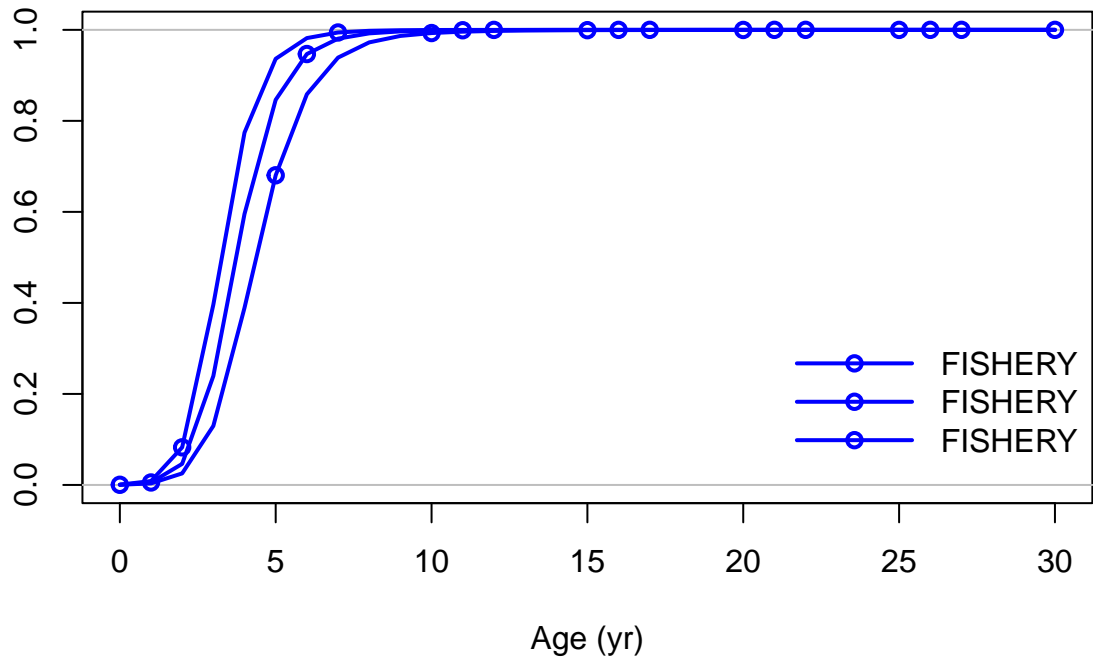
Spawning output



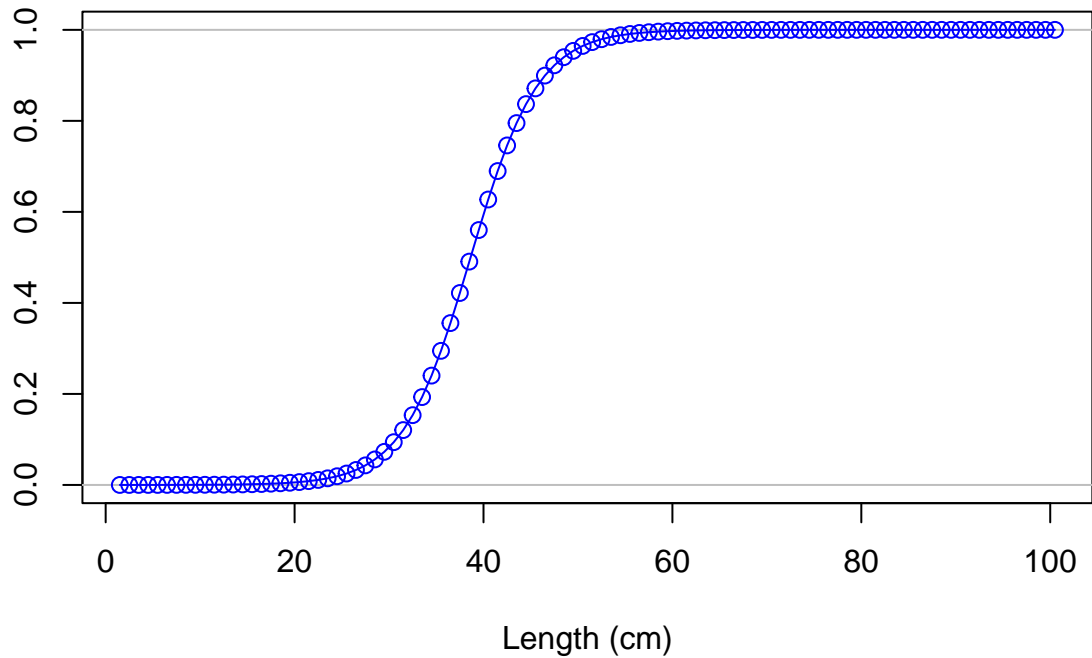
Selectivity

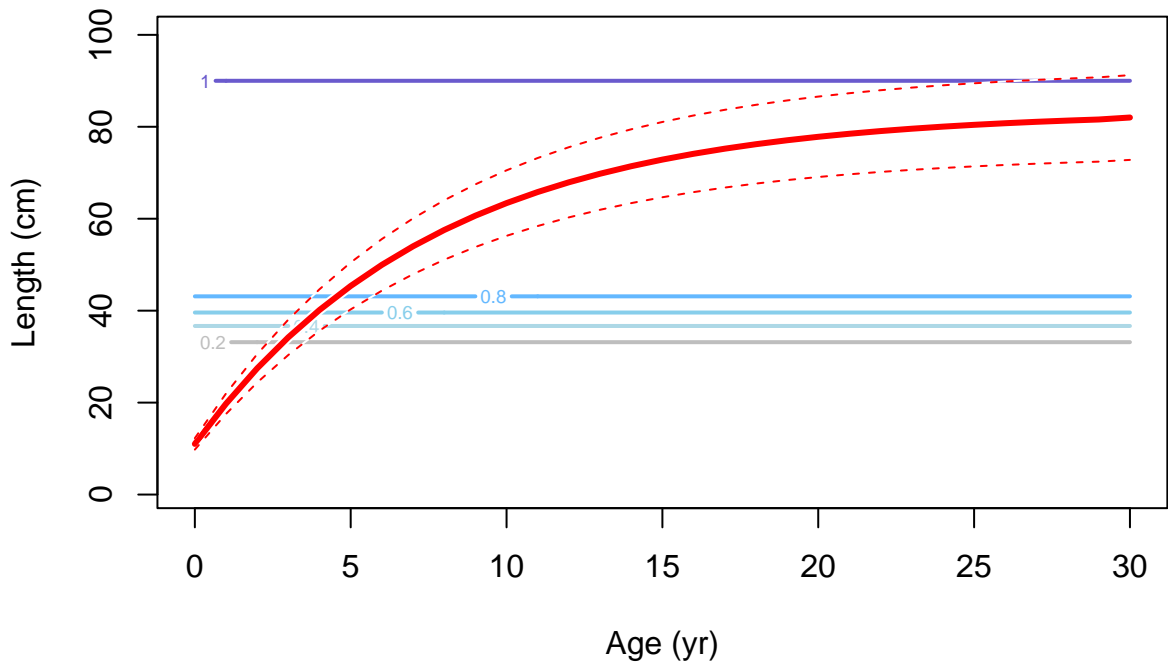


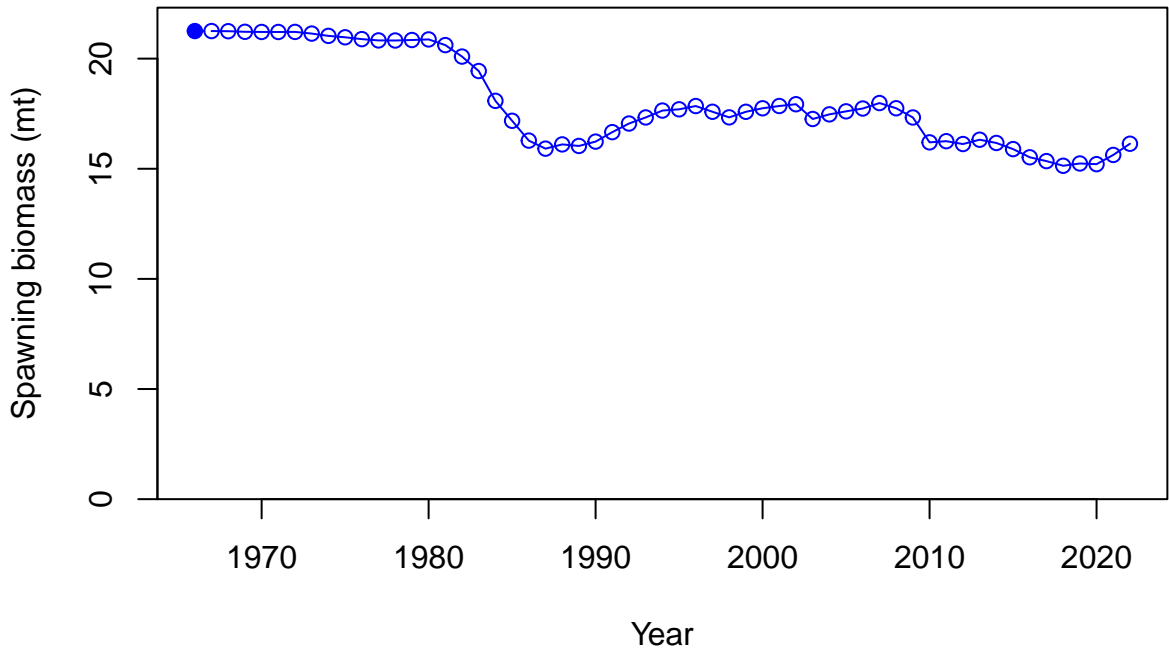
Selectivity

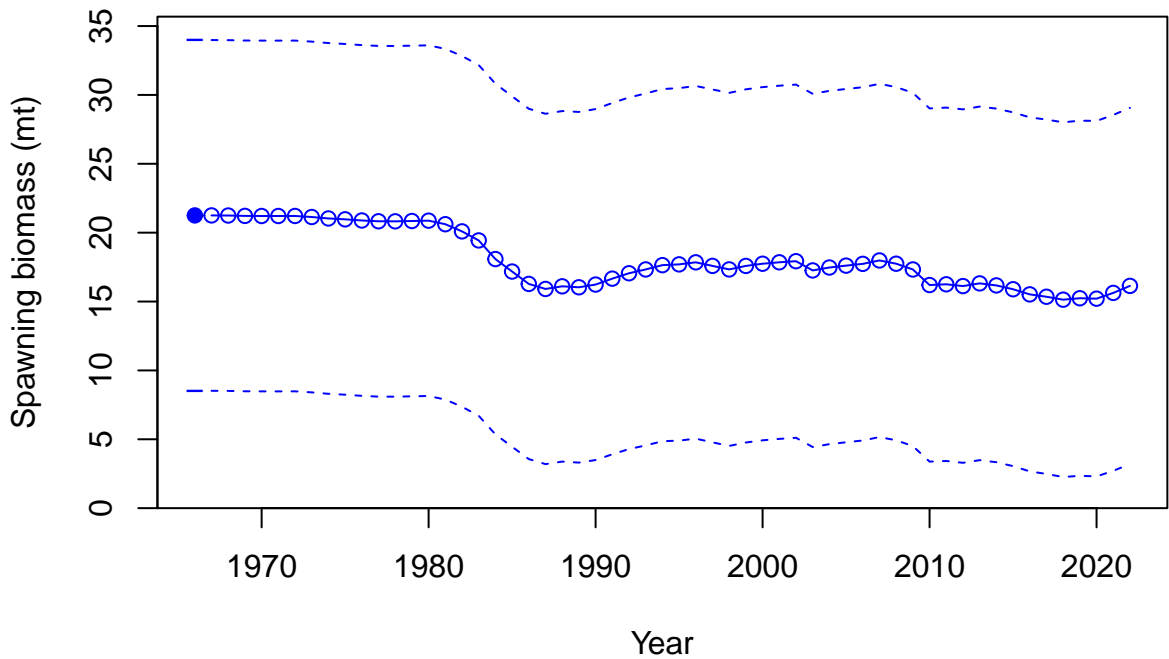


Selectivity

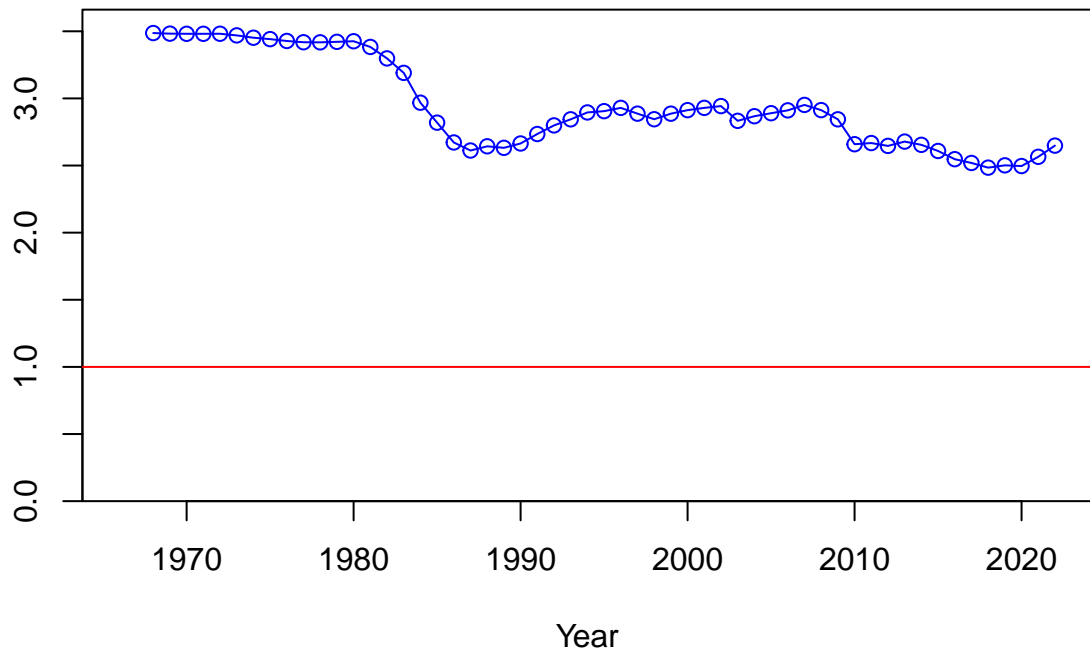




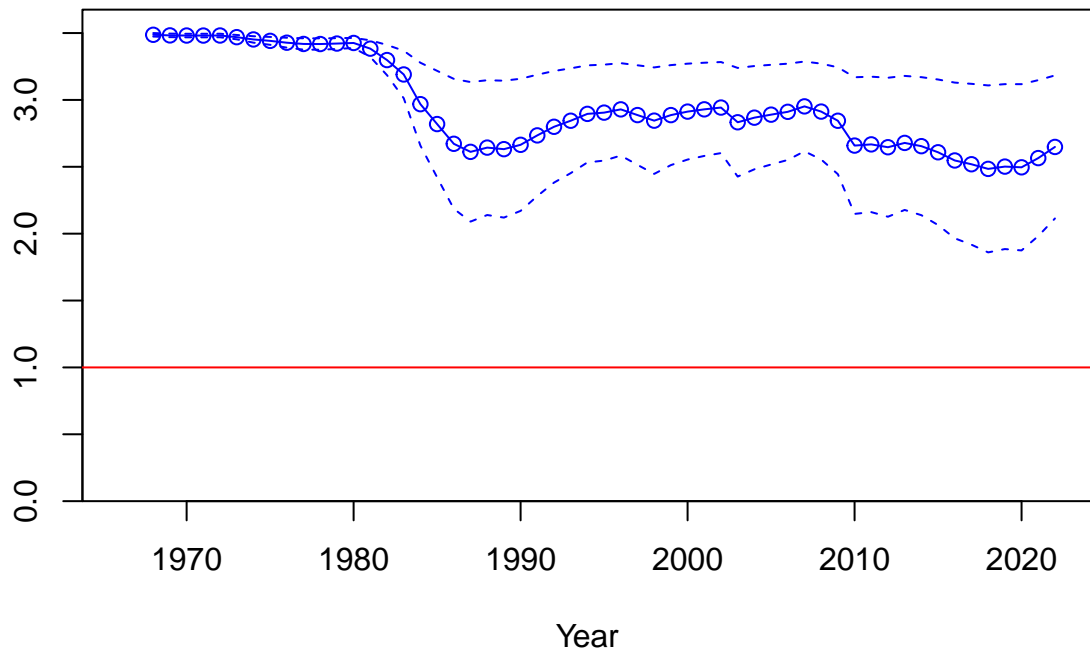


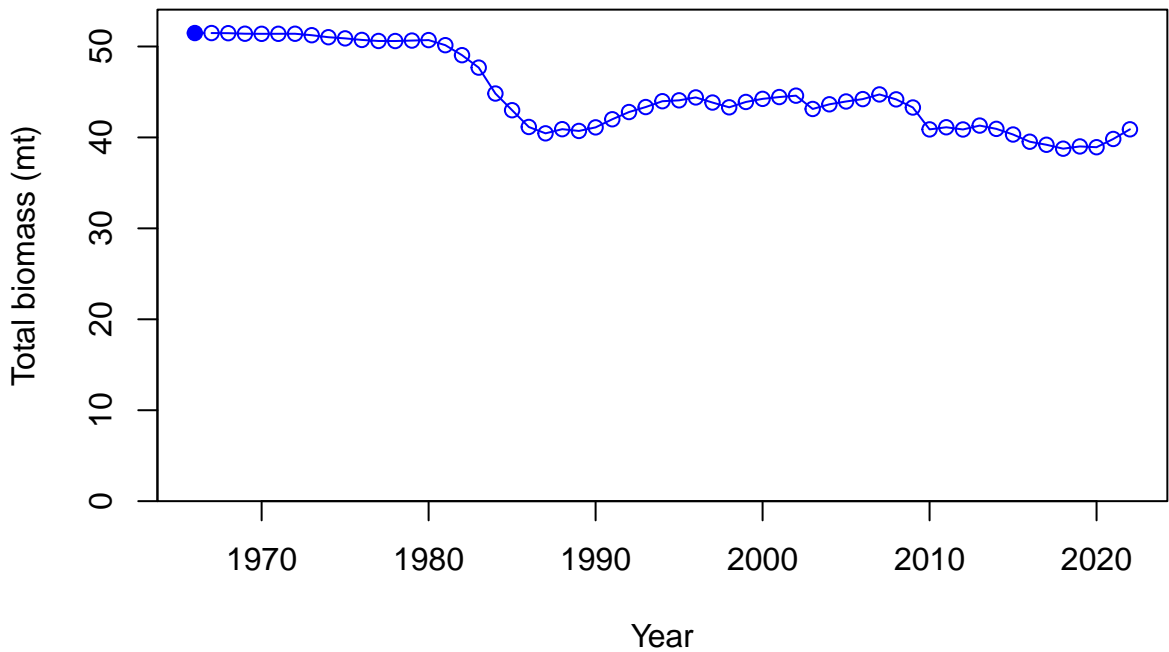


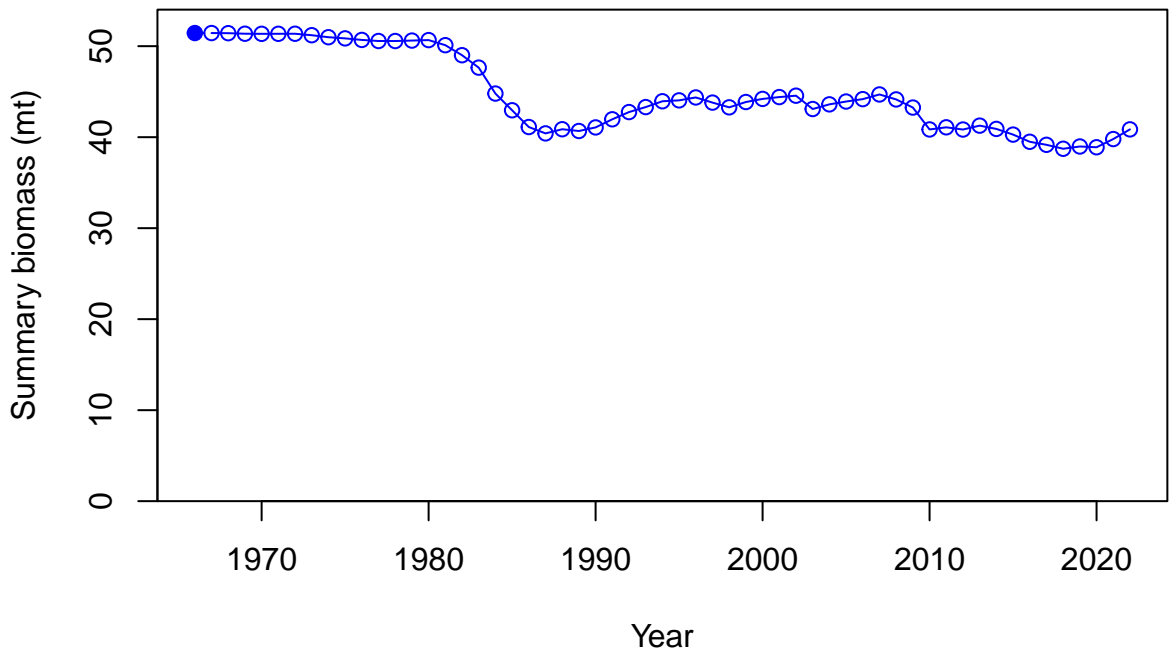
Relative spawning biomass: B/B_{MSY}



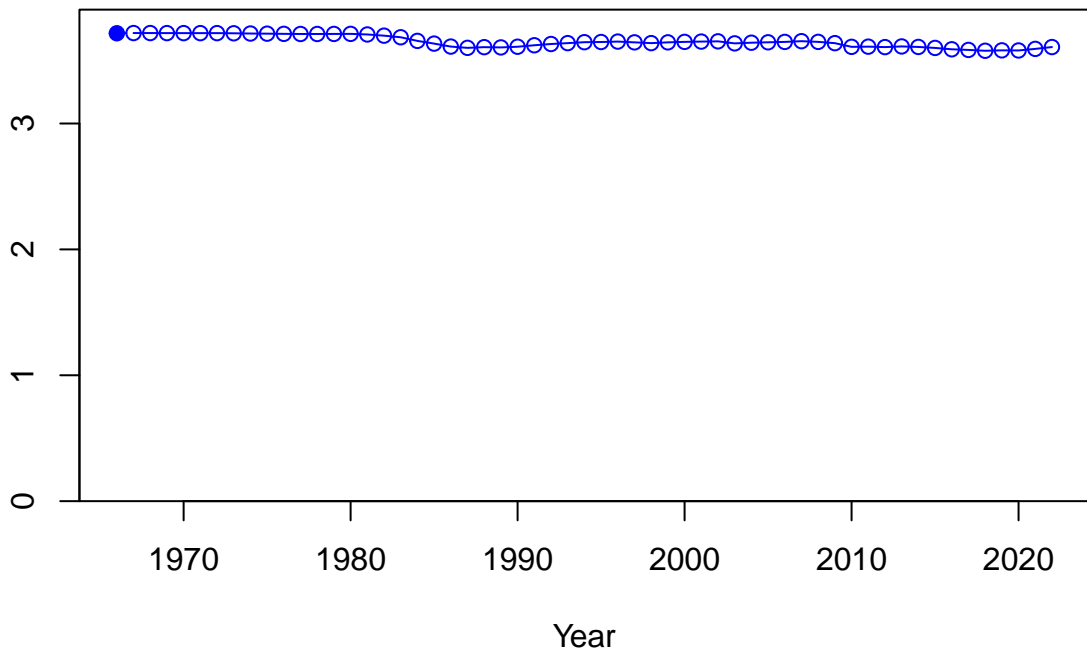
Relative spawning biomass: B/B_{MSY}

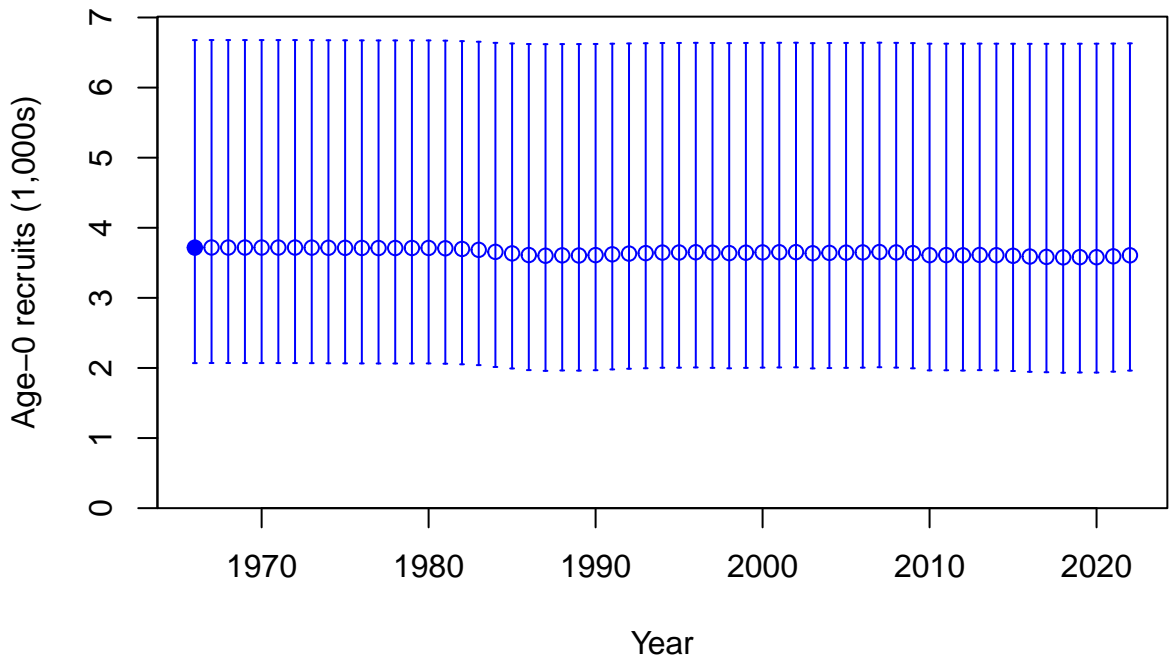




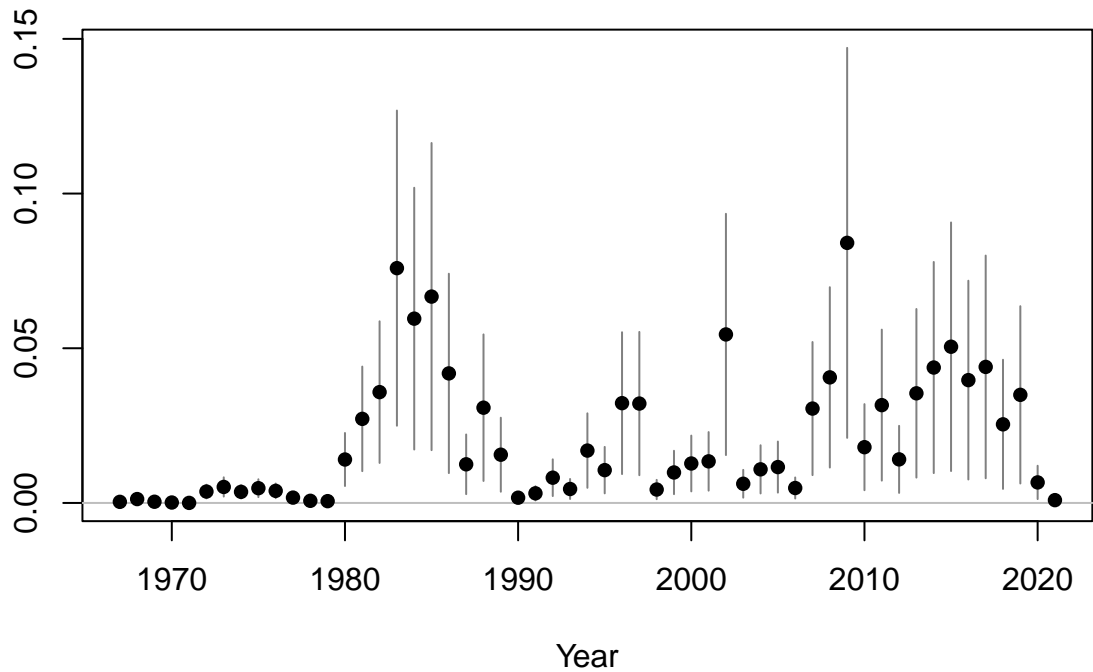


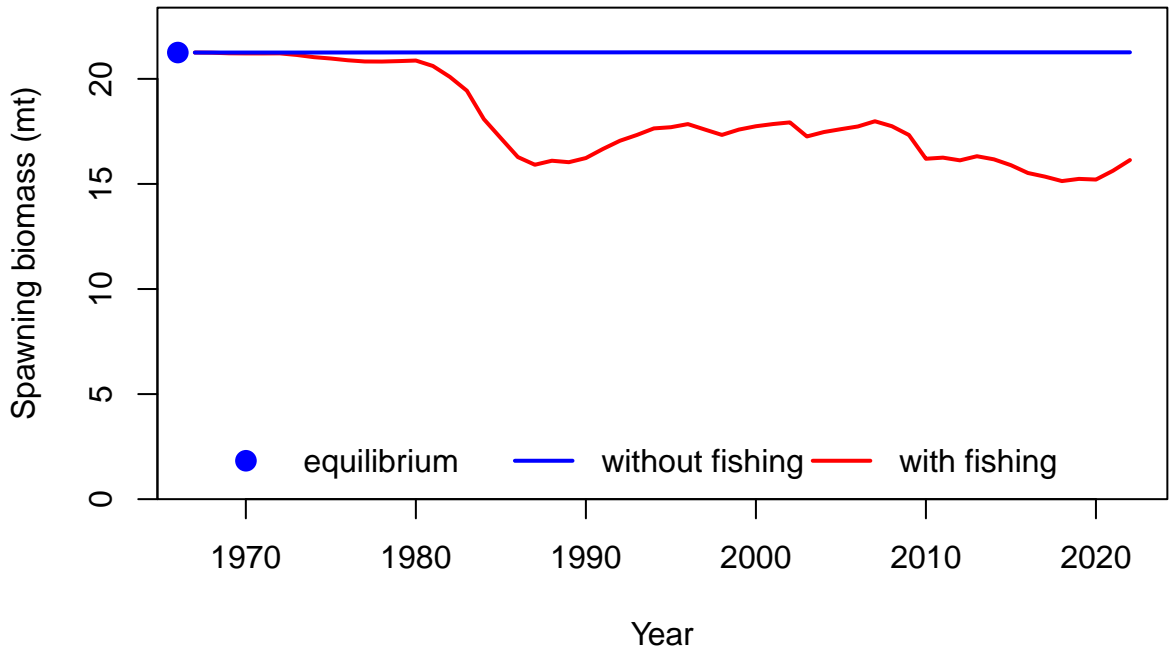
Age-0 recruits (1,000s)



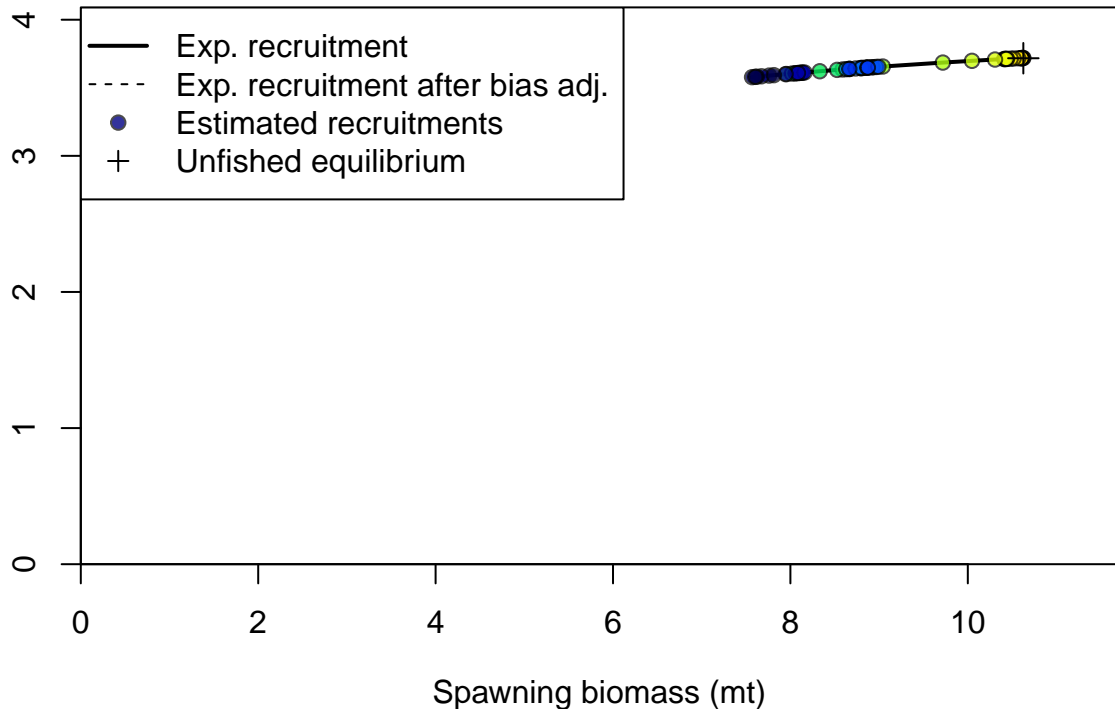


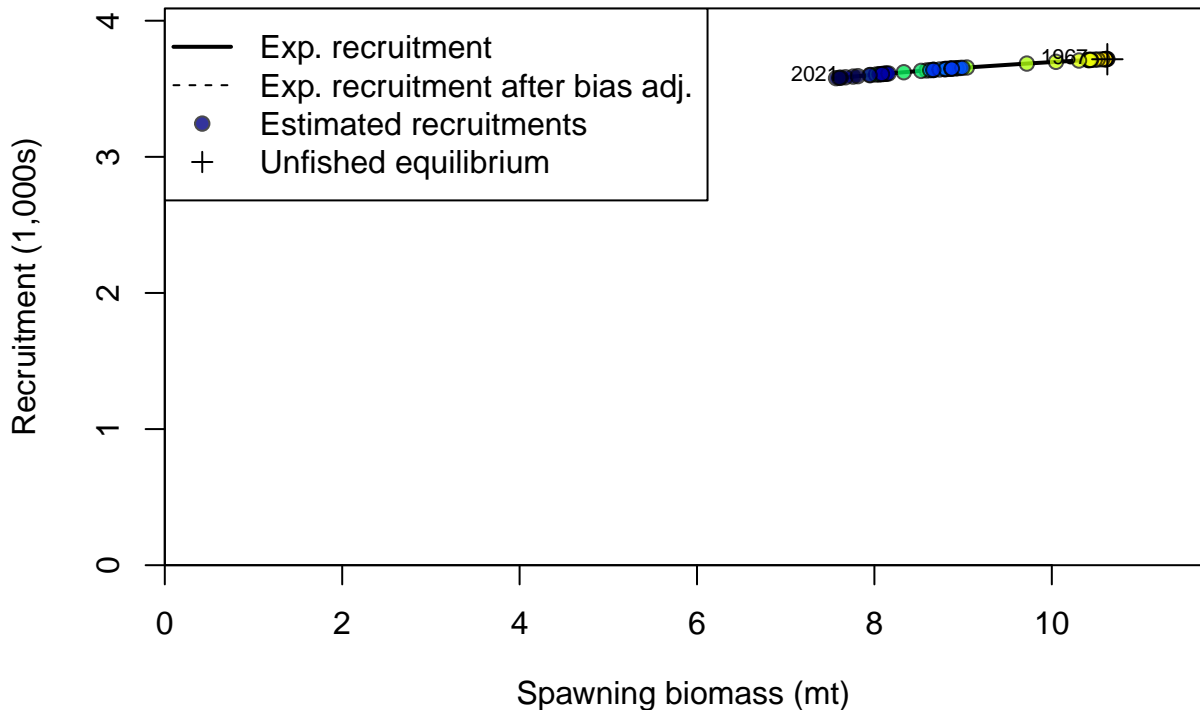
Summary Fishing Mortality

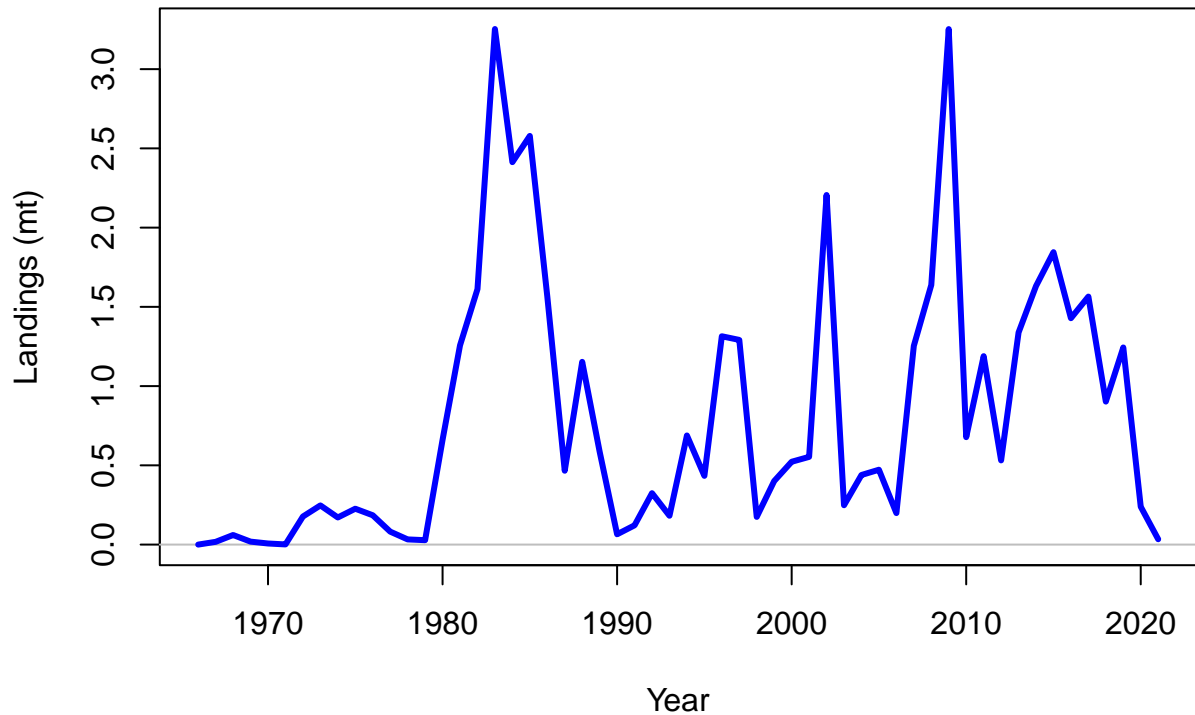


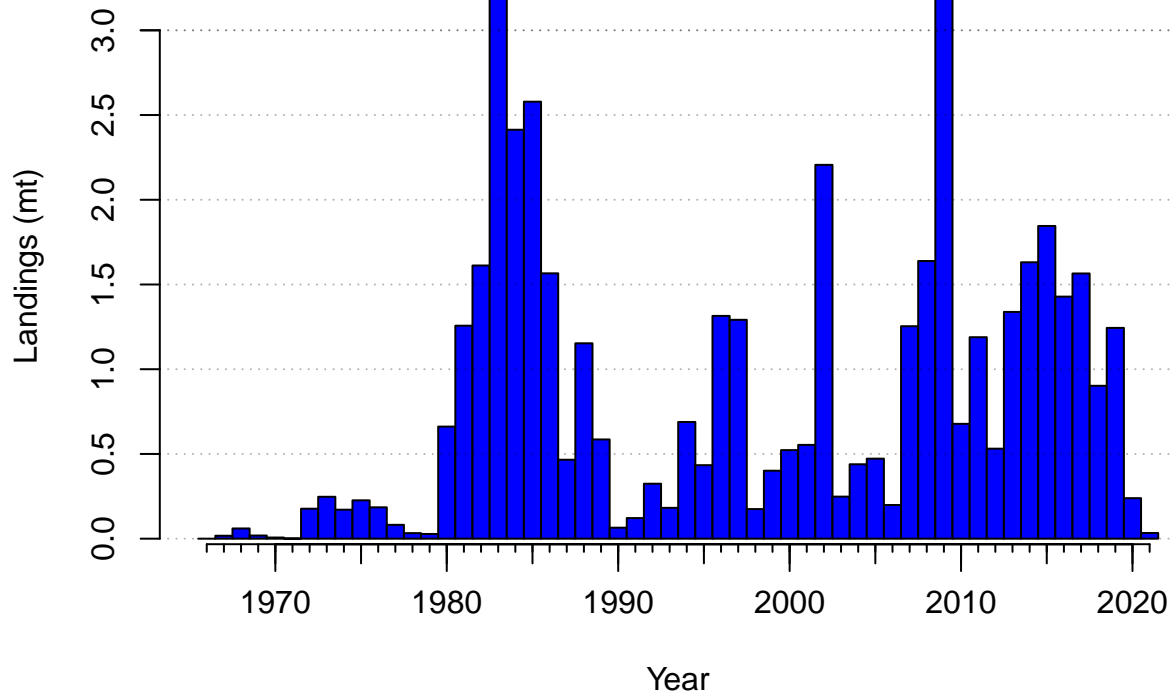


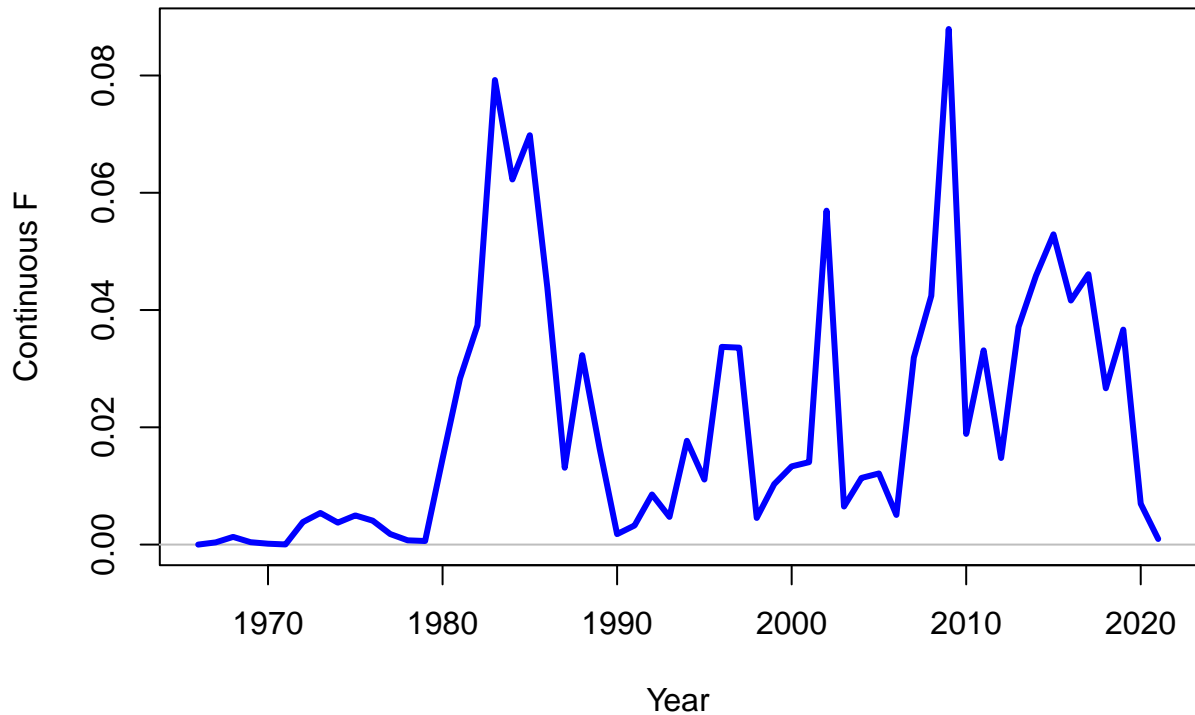
Recruitment (1,000s)



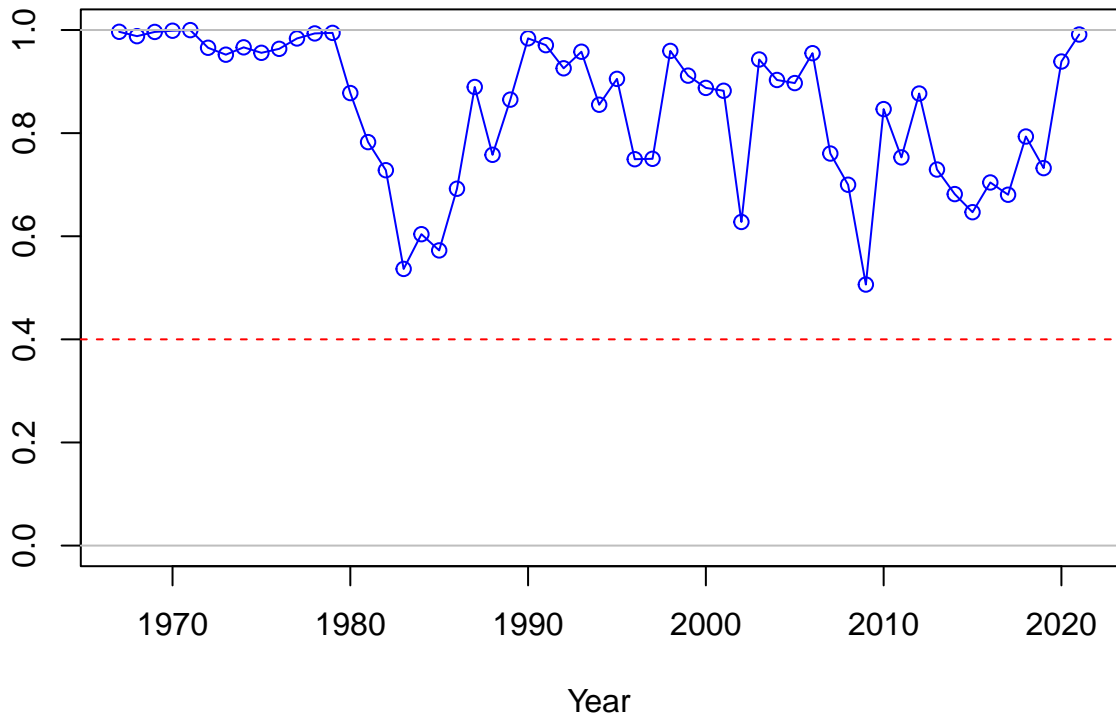


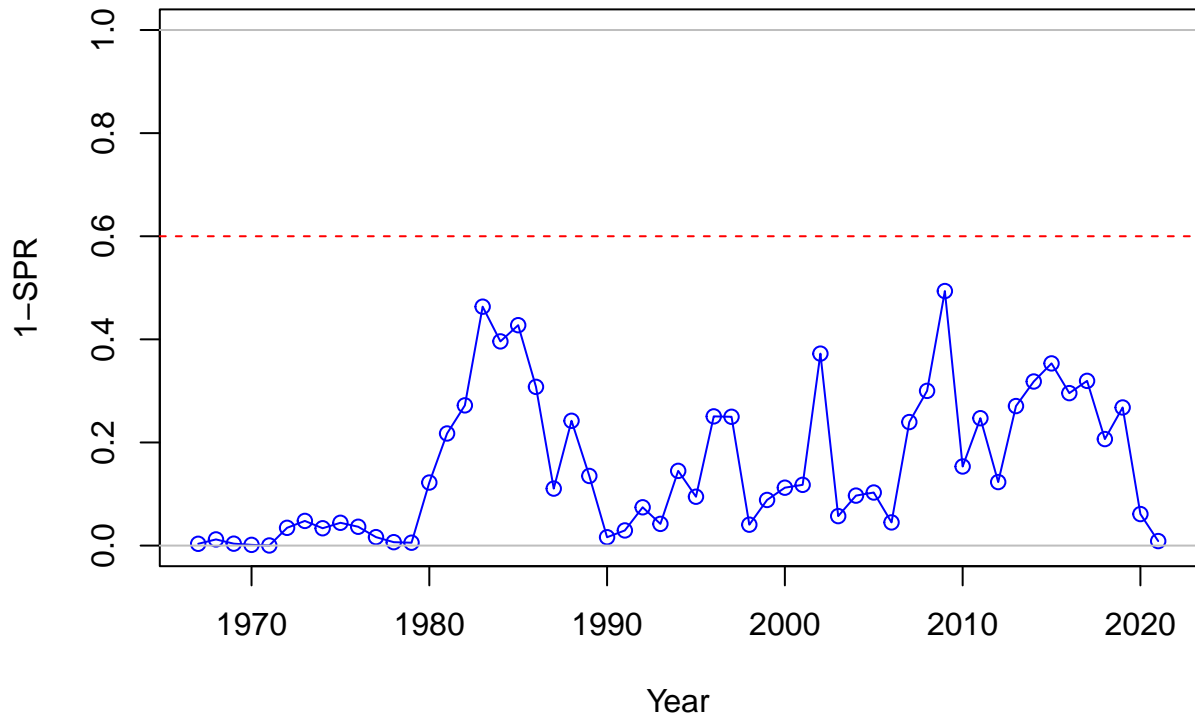




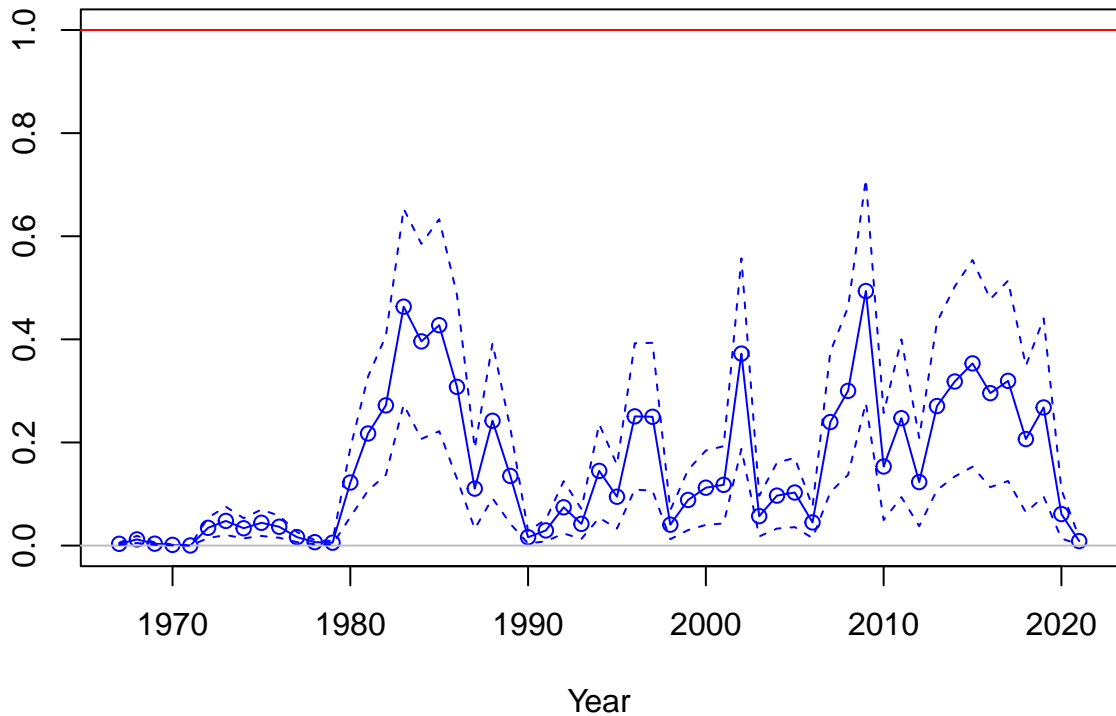


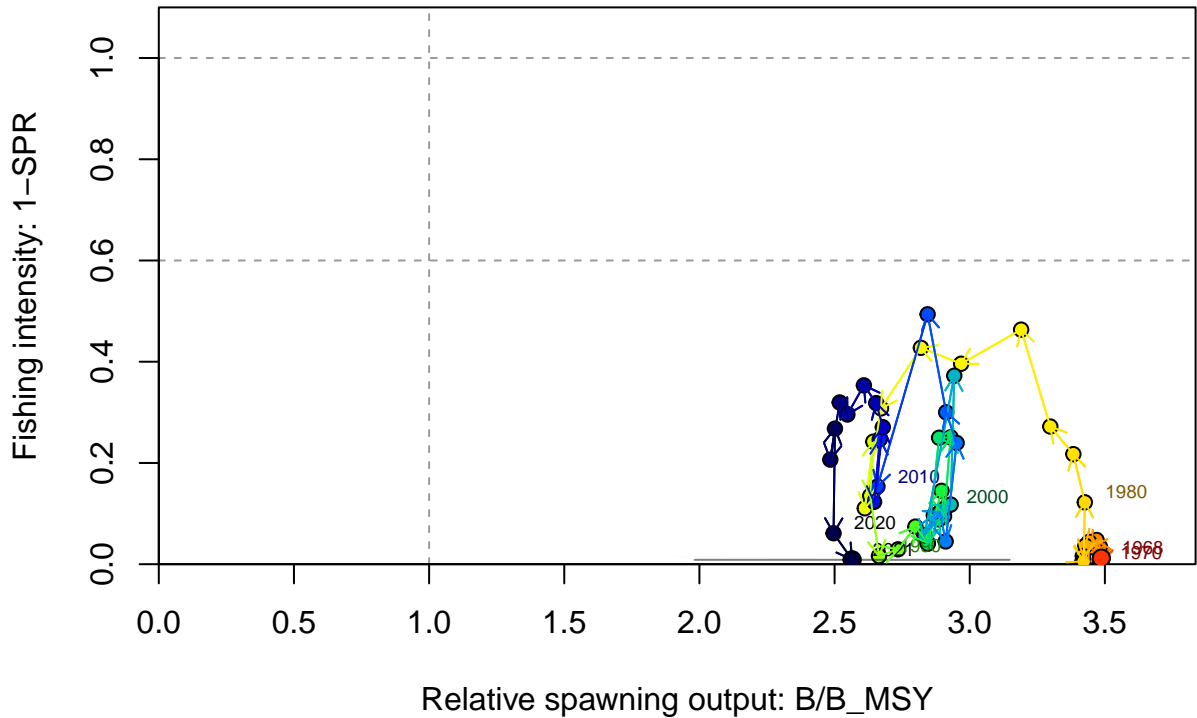
SPR



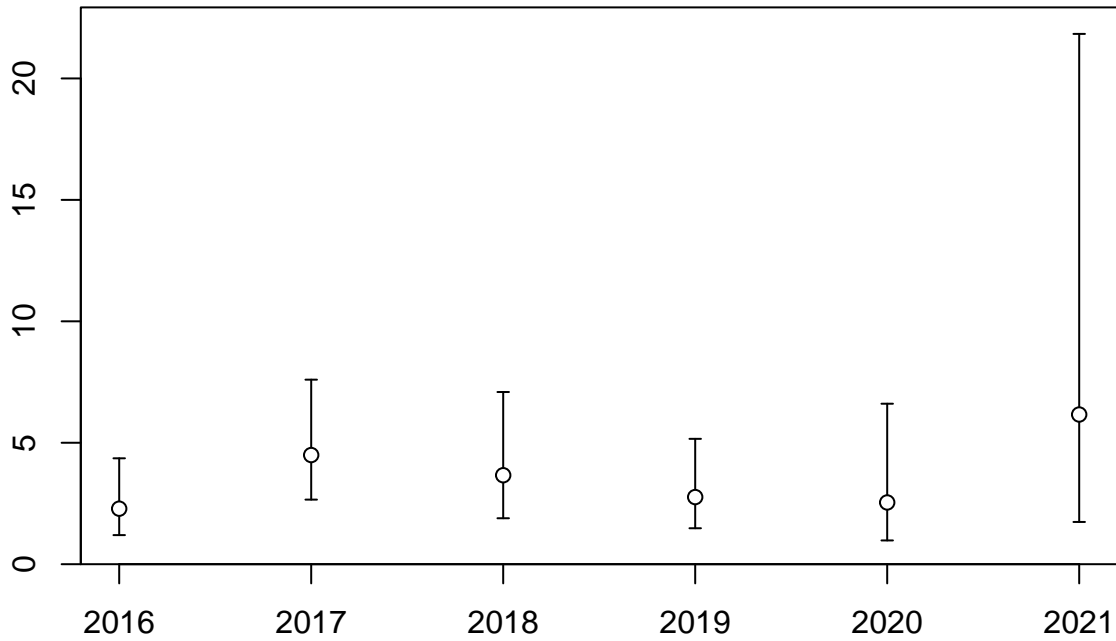


Fishing intensity: 1-SPR



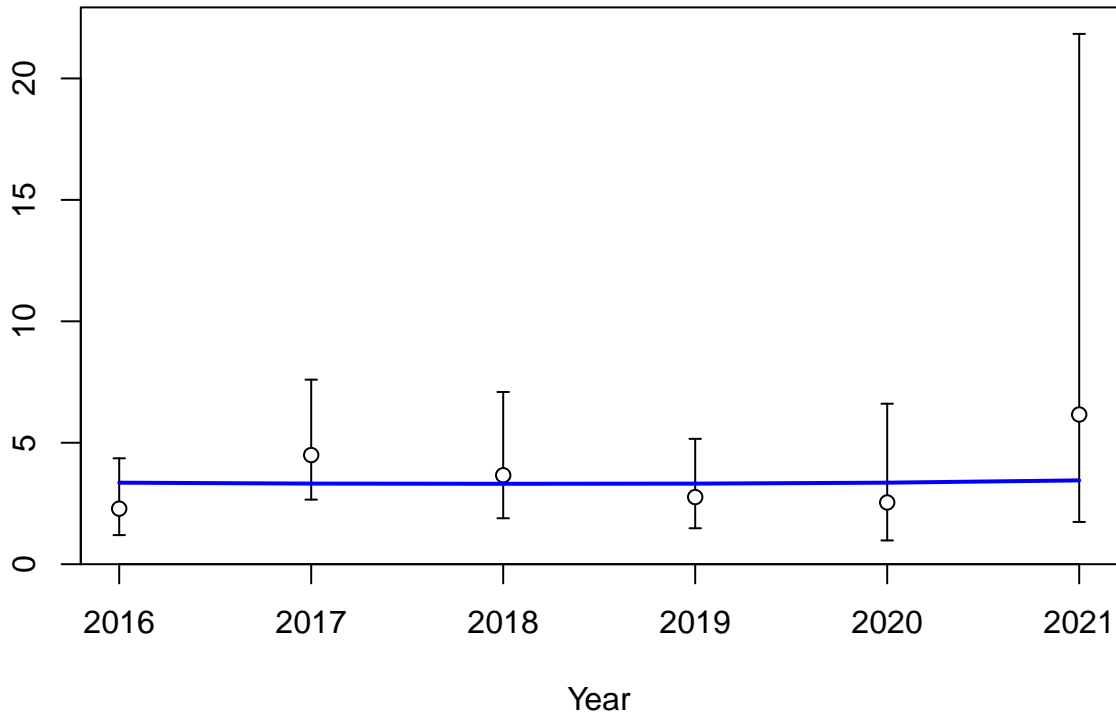


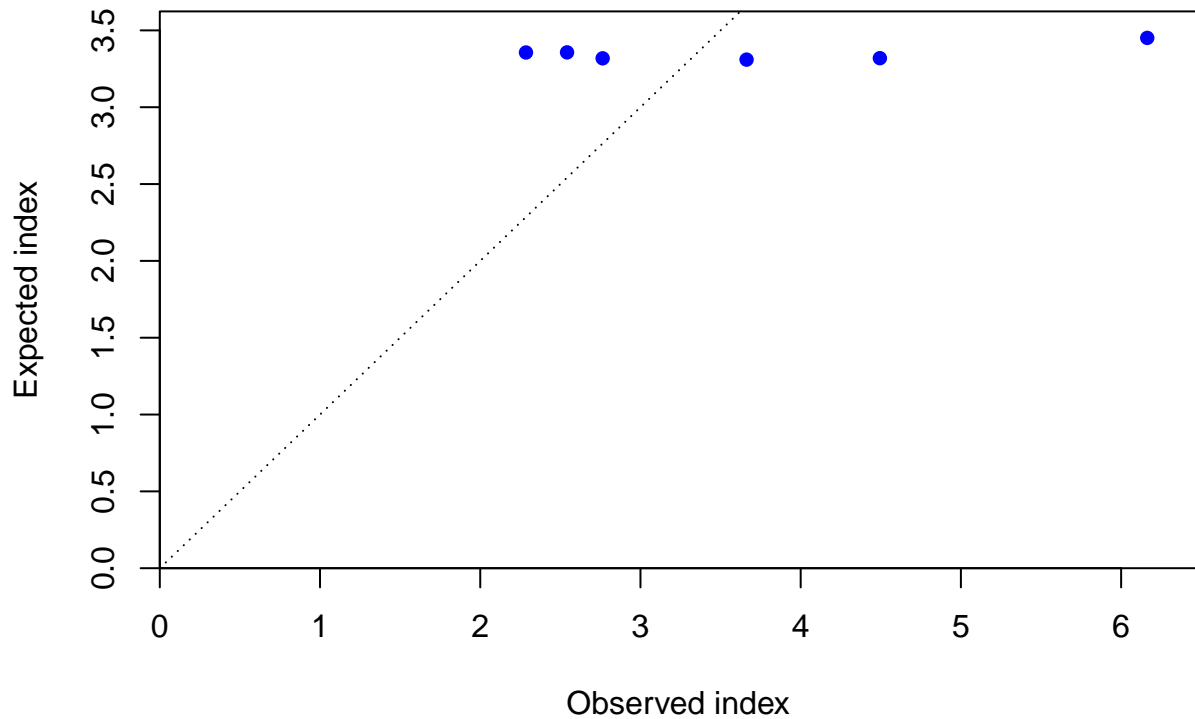
Index



Year

Index





Log index

3.0
2.5
2.0
1.5
1.0
0.5
0.0

2016

2017

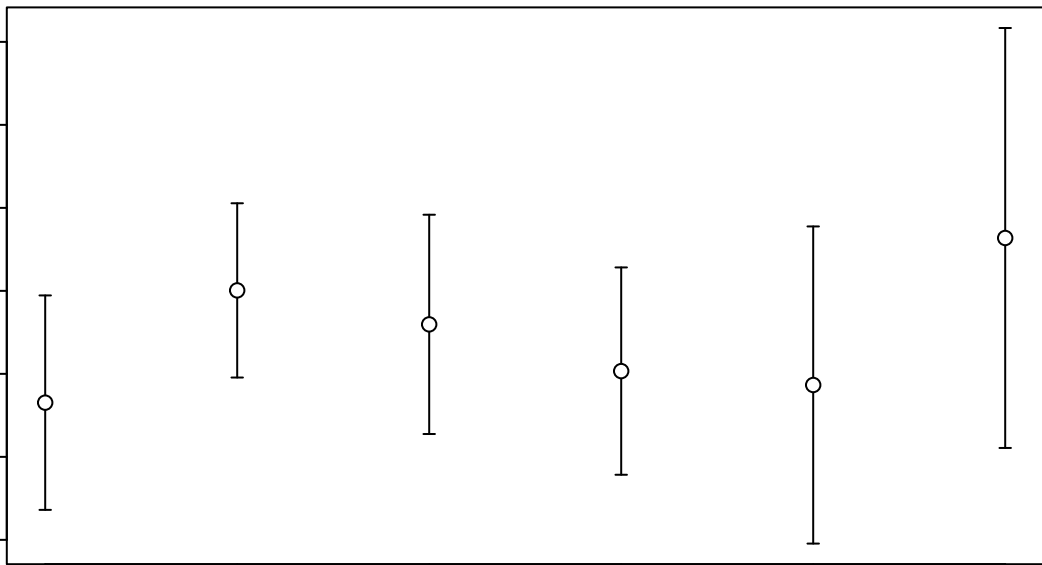
2018

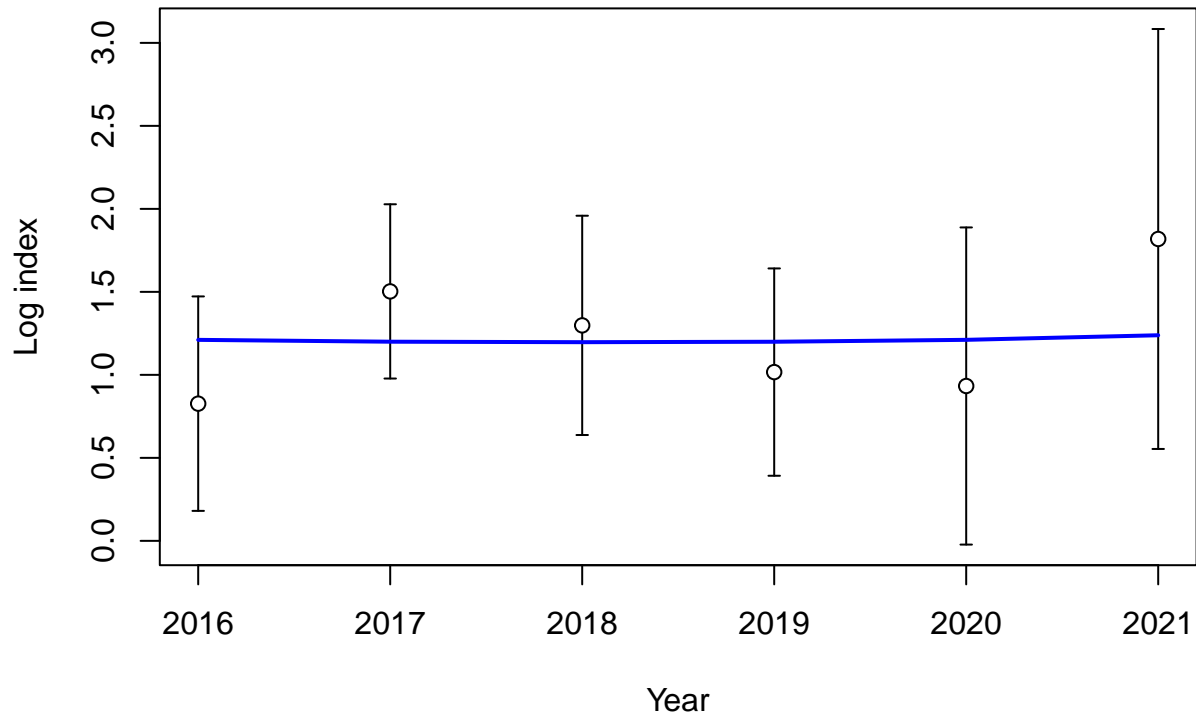
2019

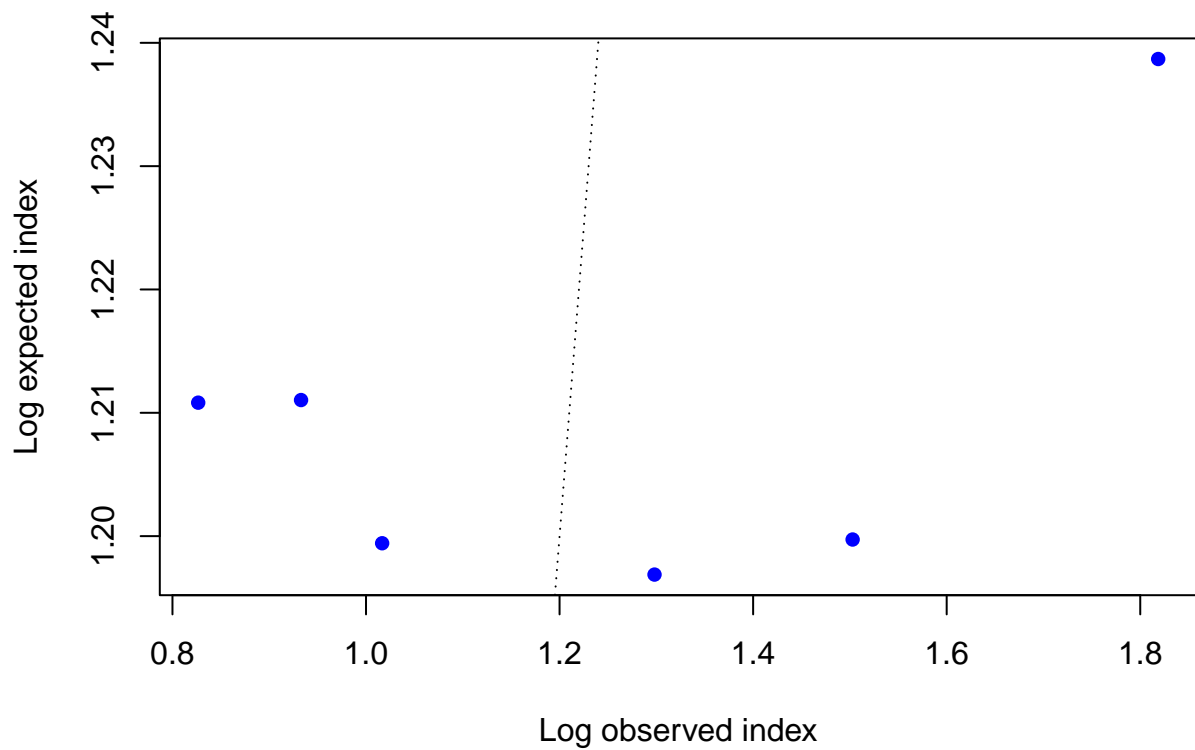
2020

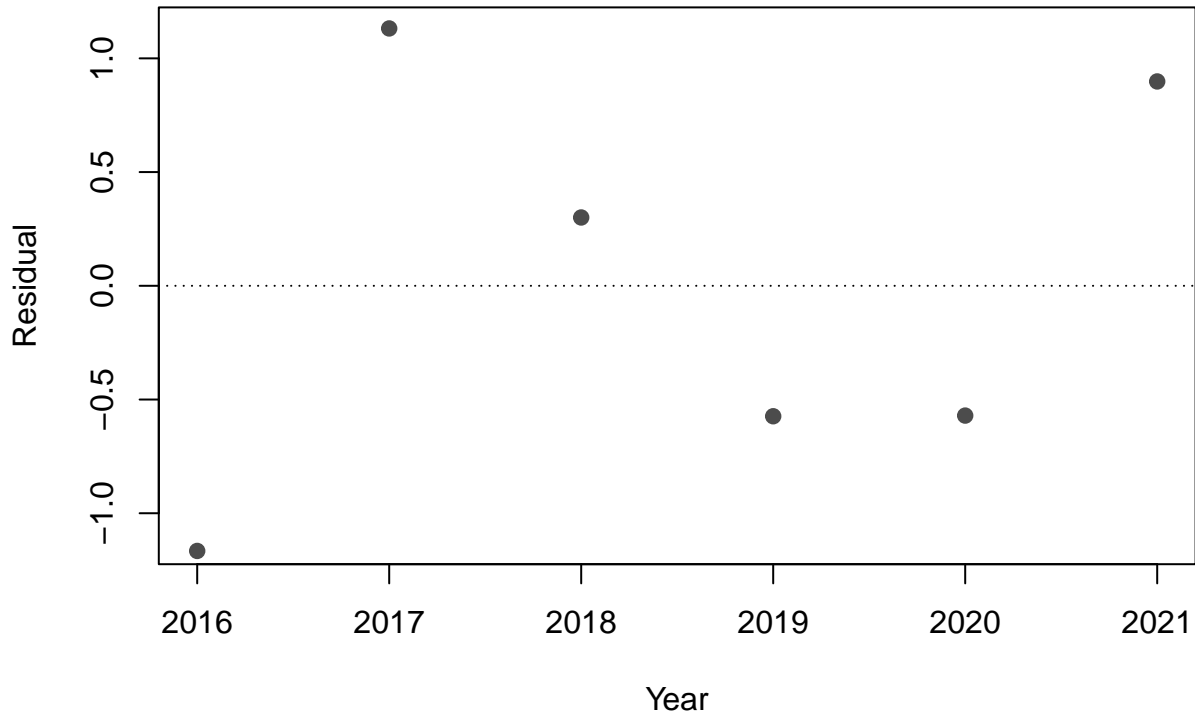
2021

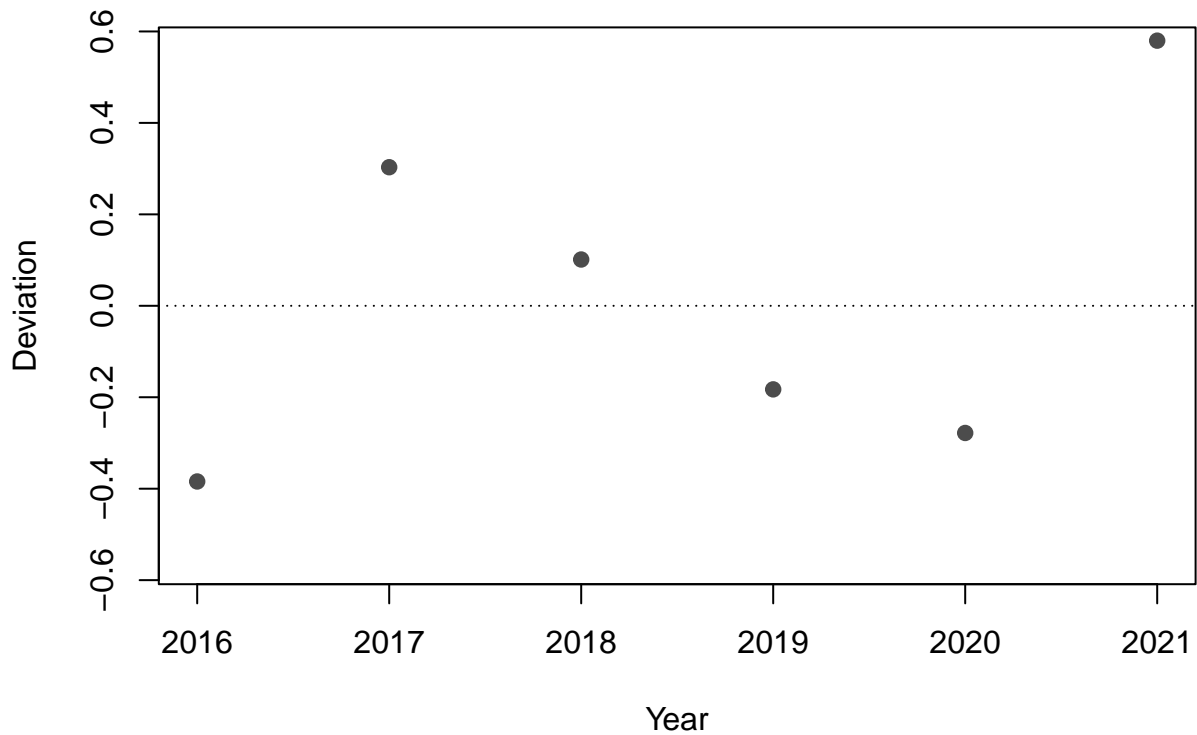
Year

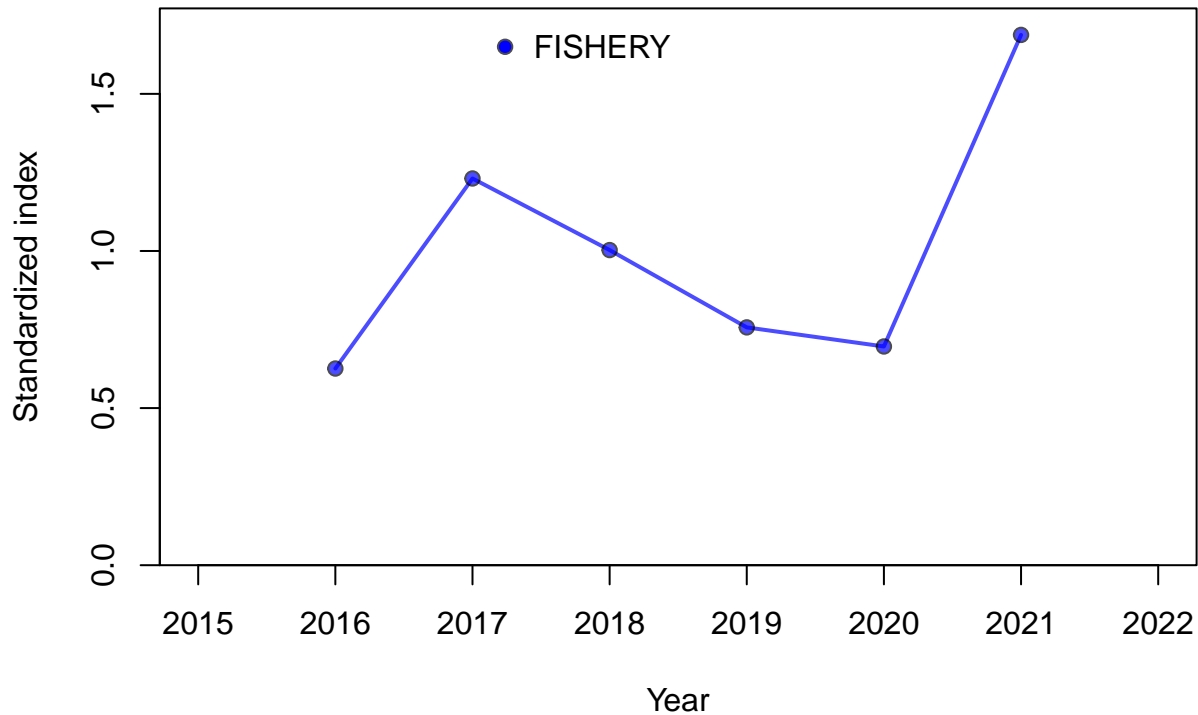


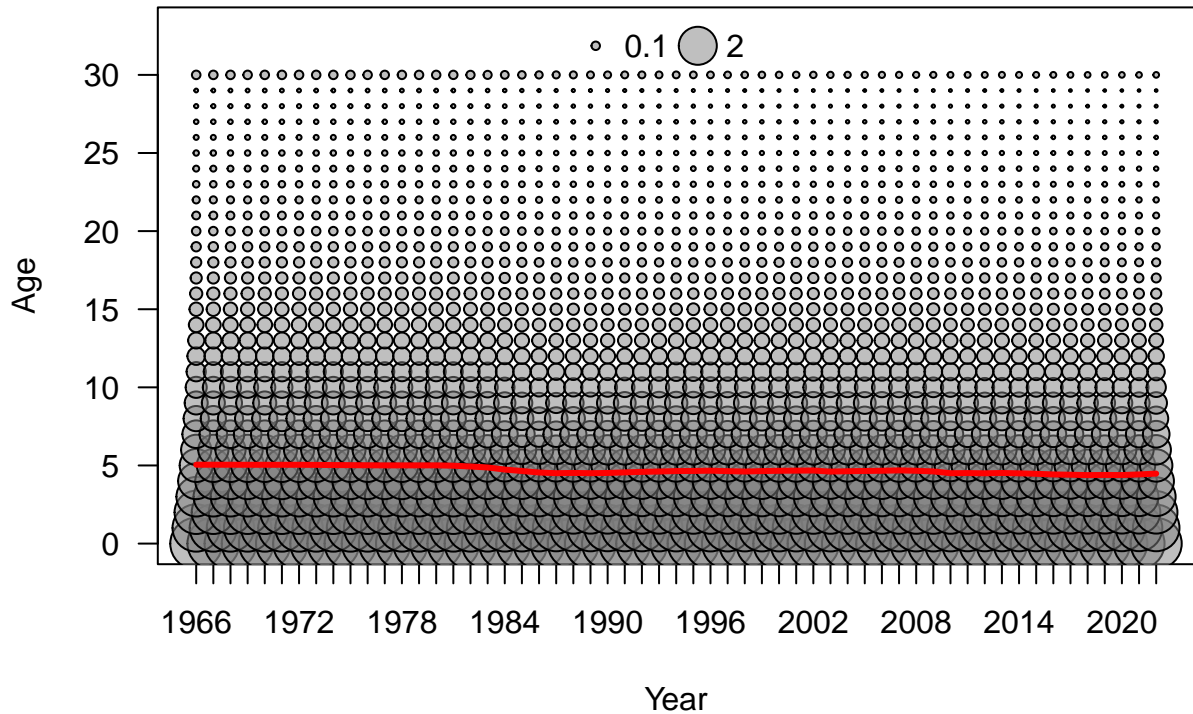


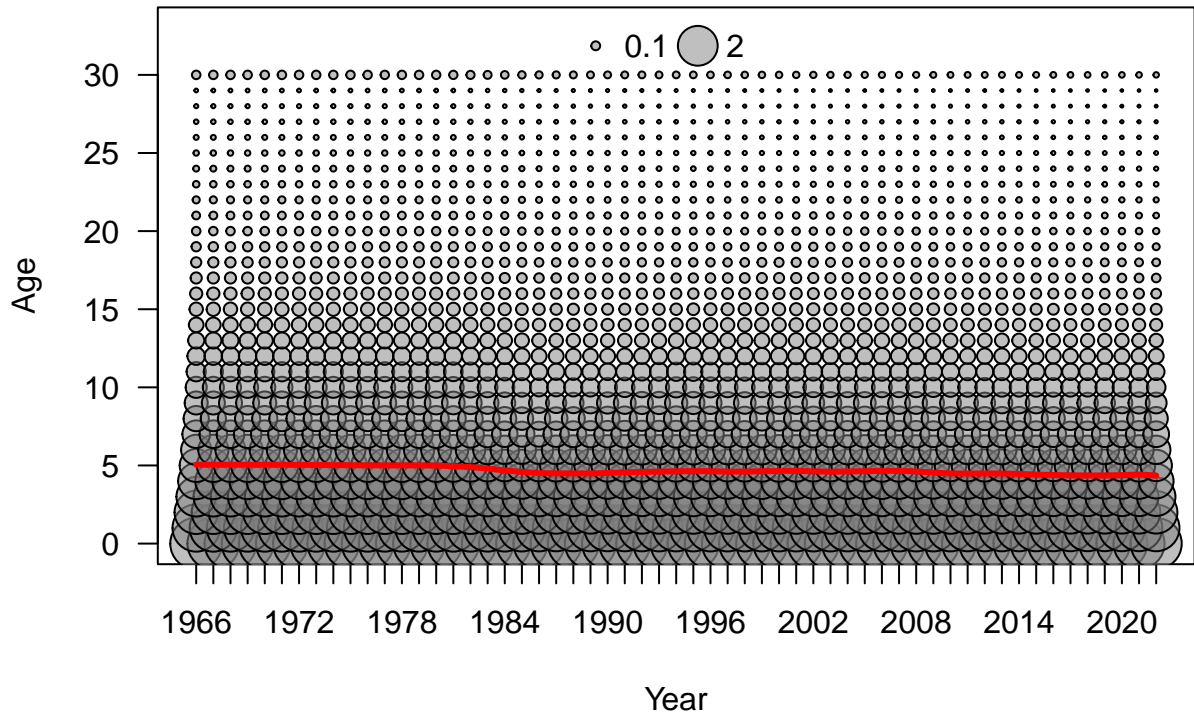


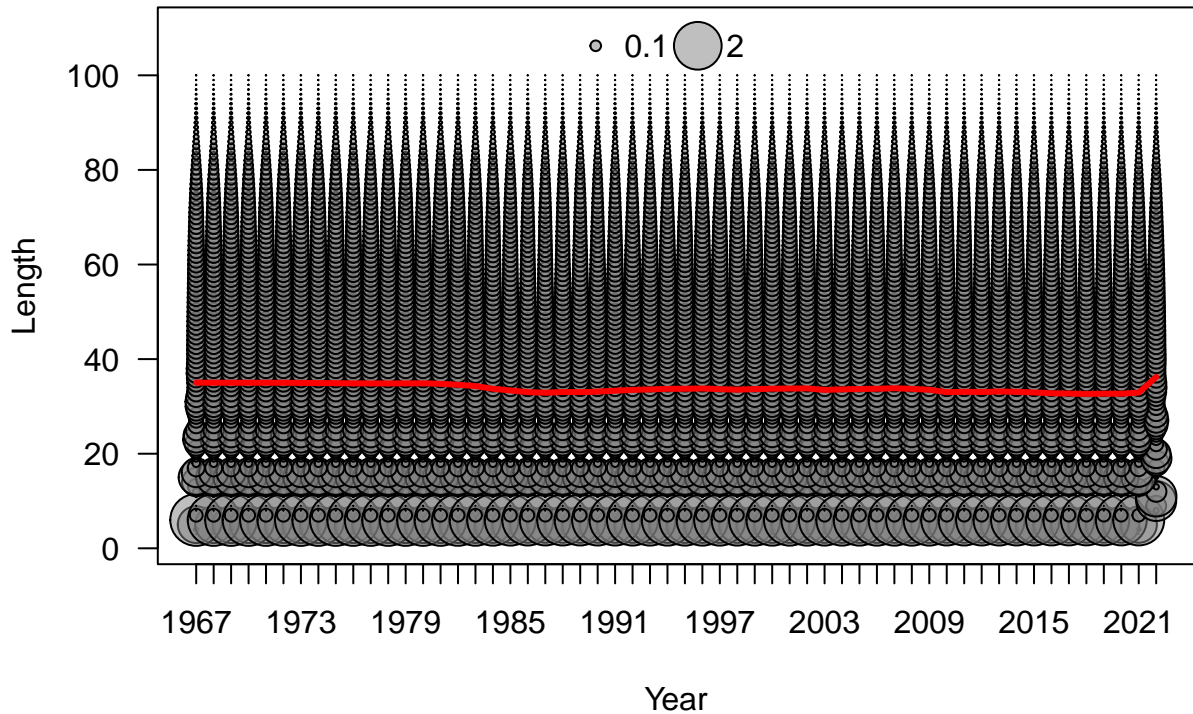


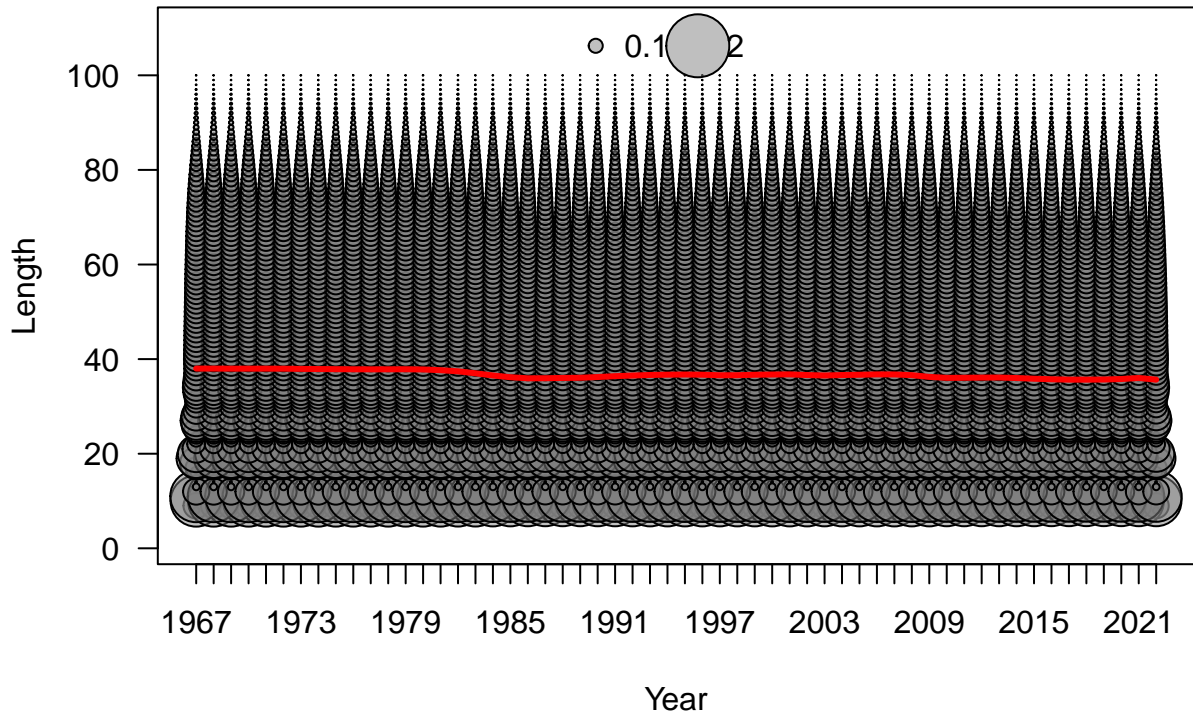


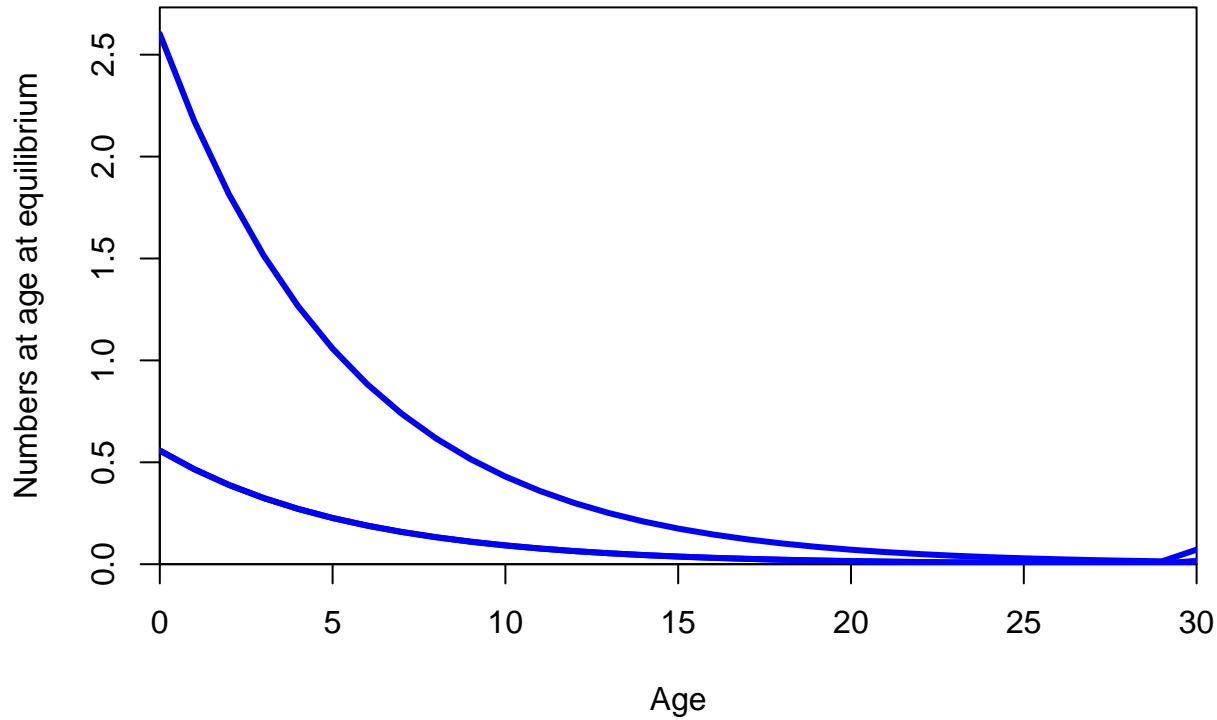






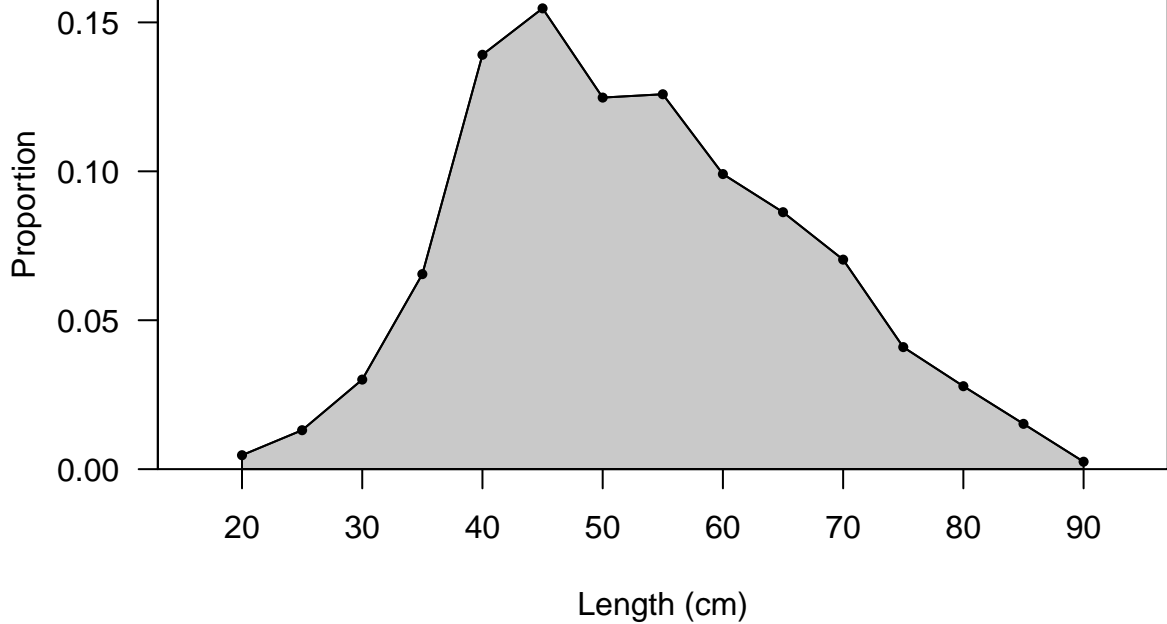






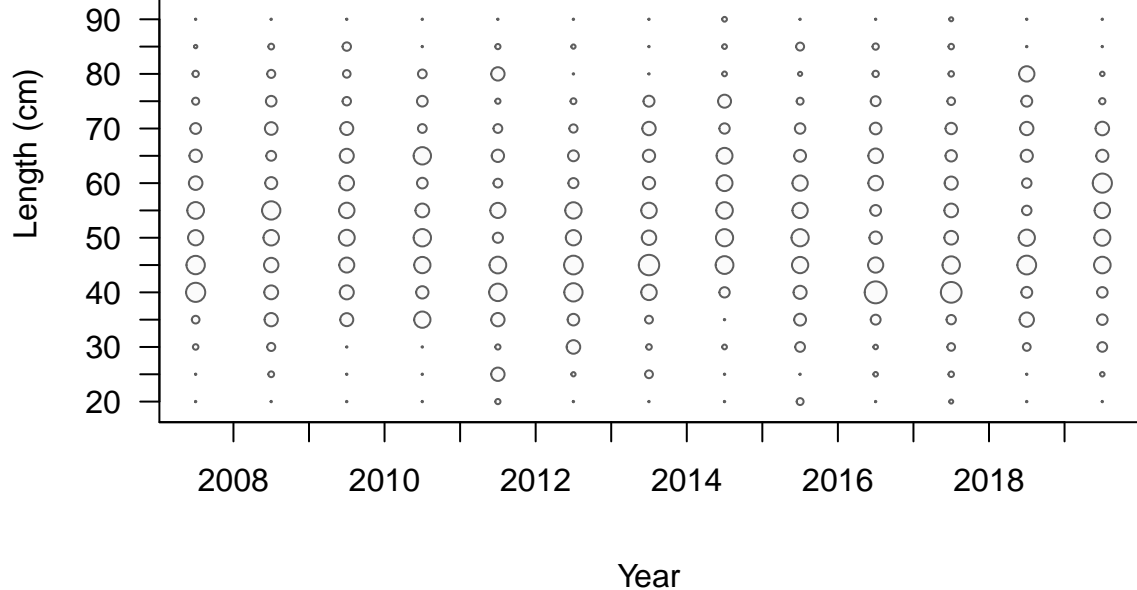
FISHERY

Sum of N input=1078

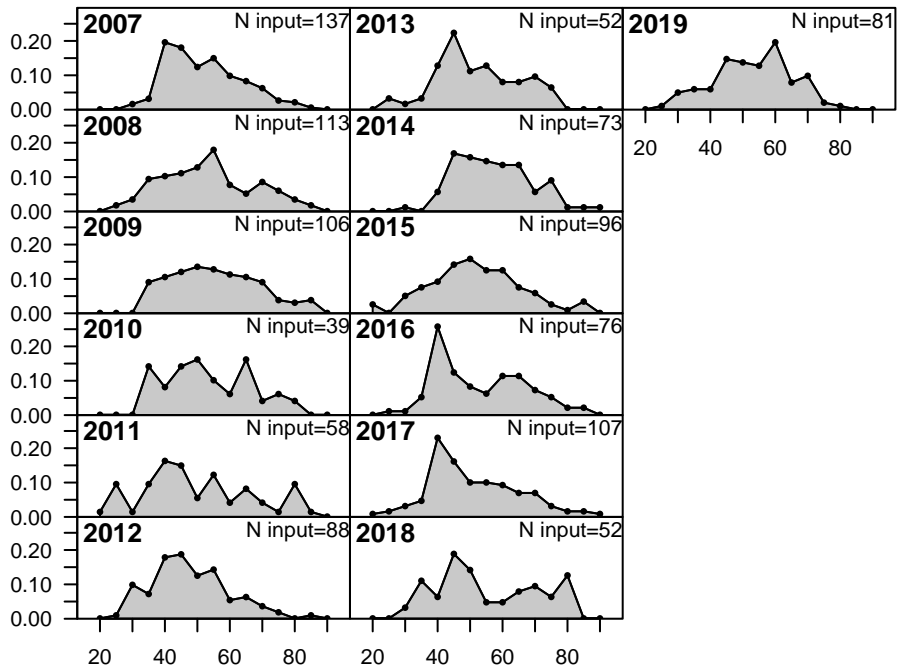


FISHERY

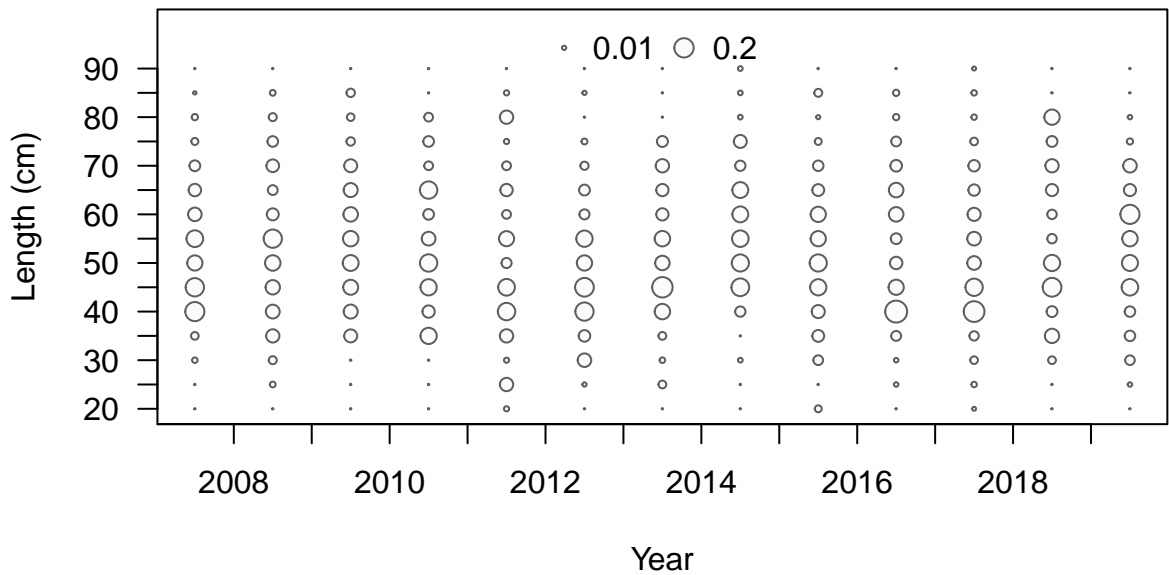
◦ 0.01 ○ 0.2



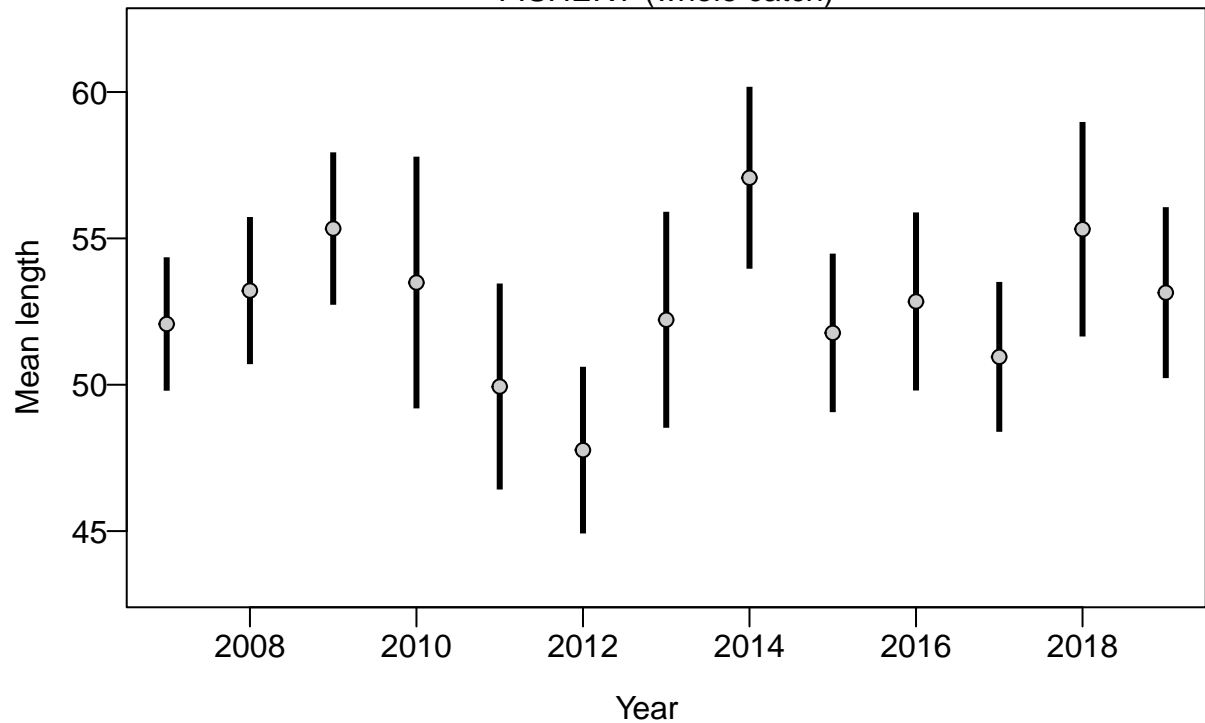
Proportion



Length (cm)

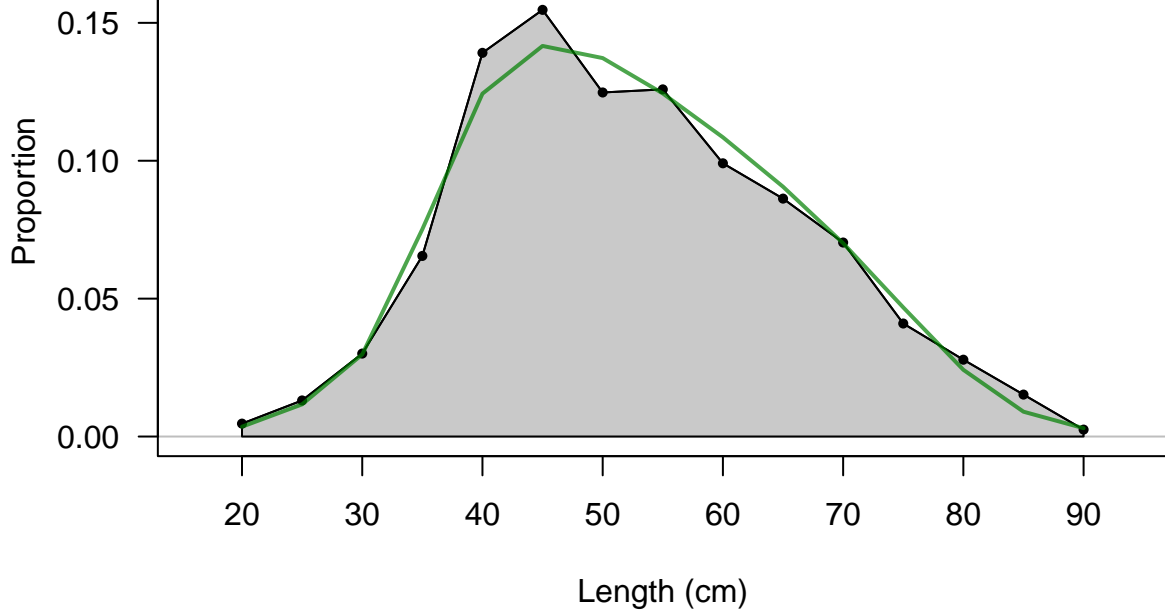


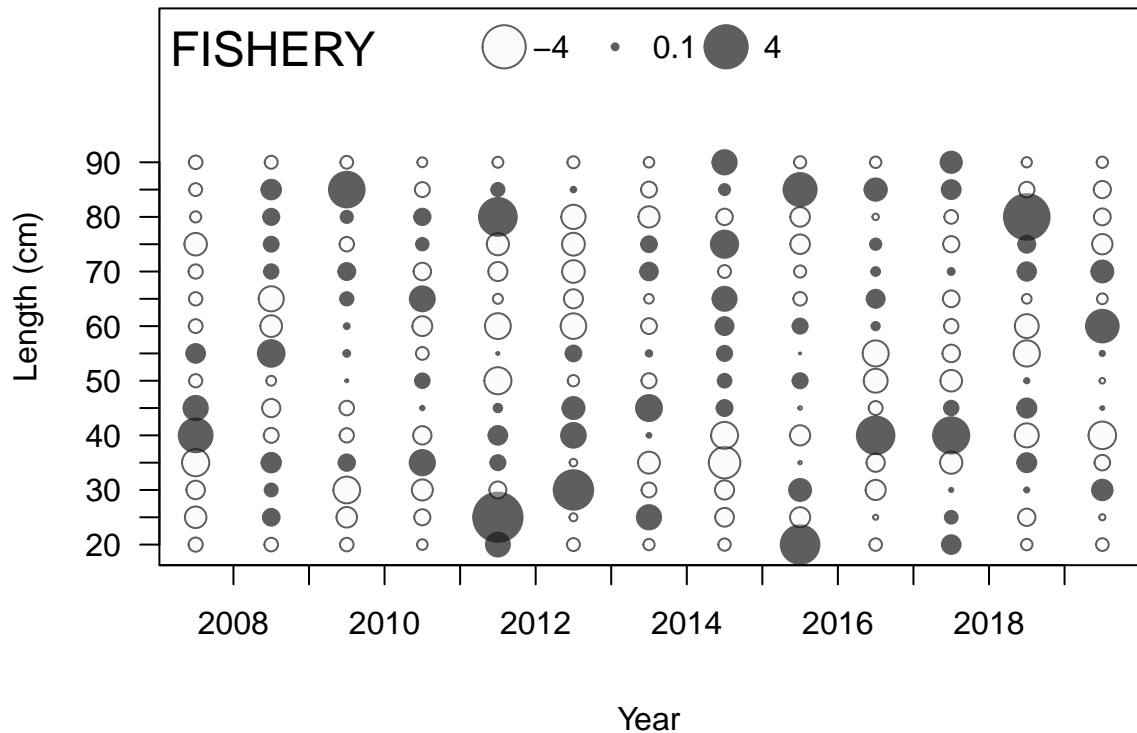
FISHERY (whole catch)



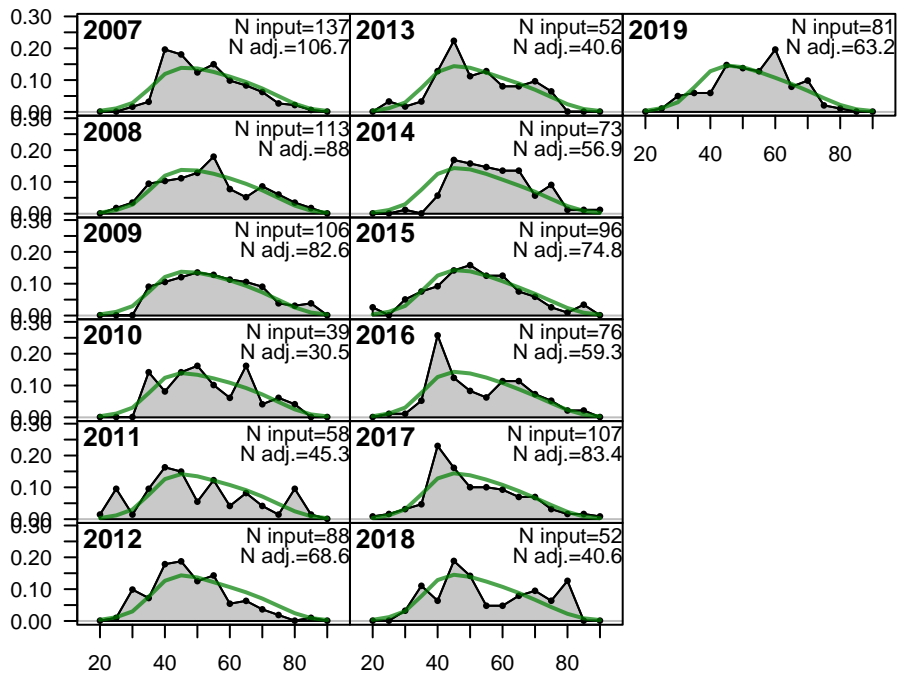
FISHERY

Sum of N input=1078
Sum of N adj.=840.4

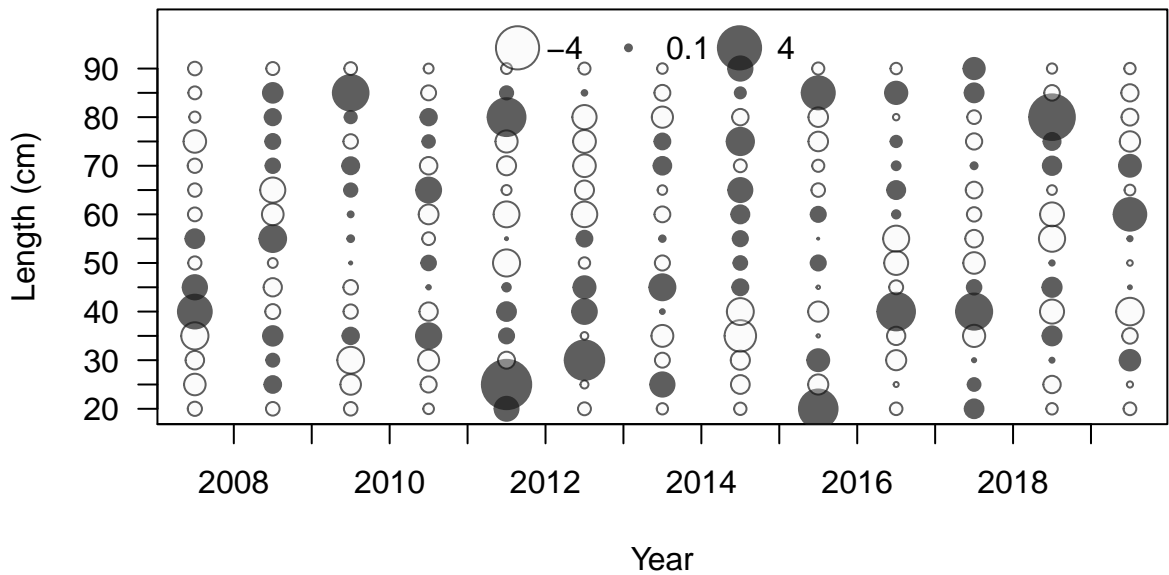




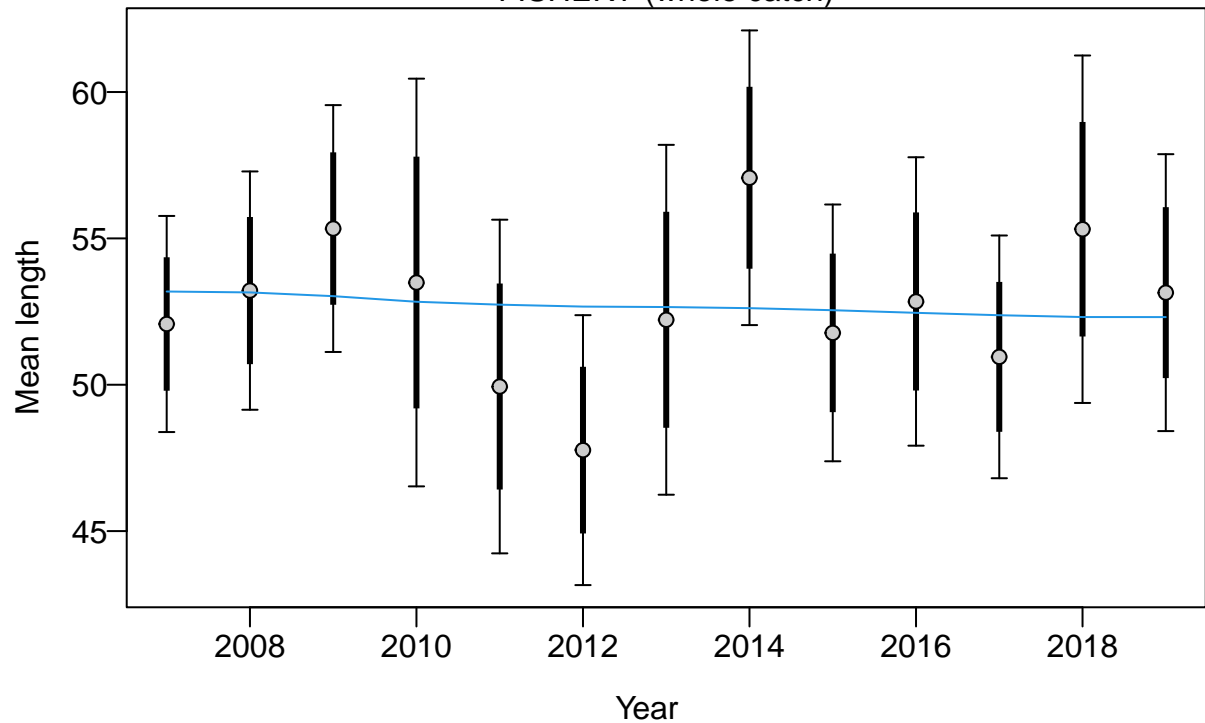
Proportion

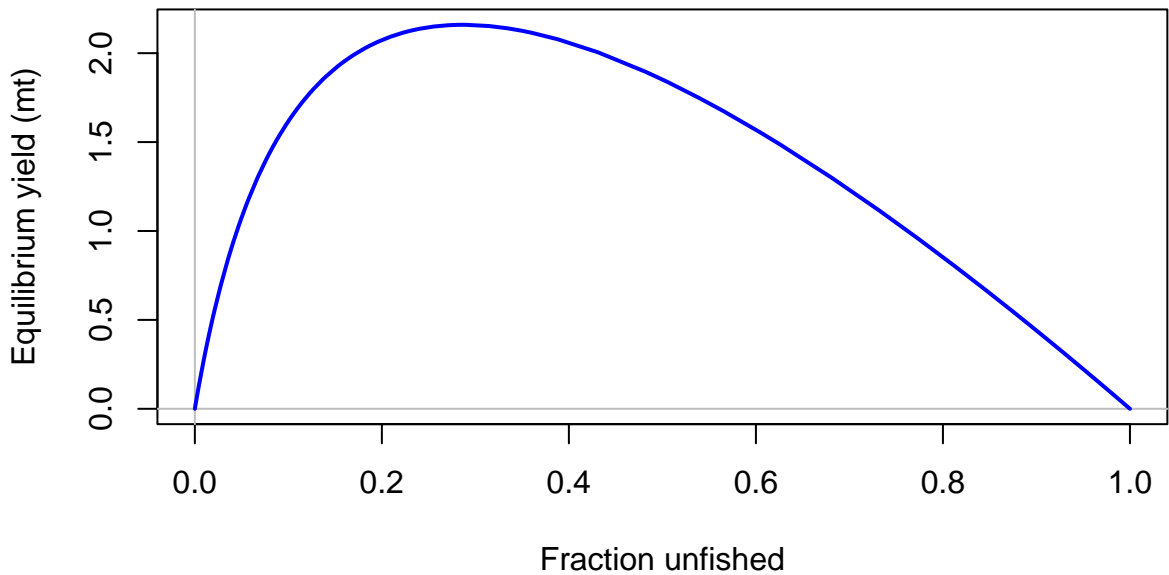


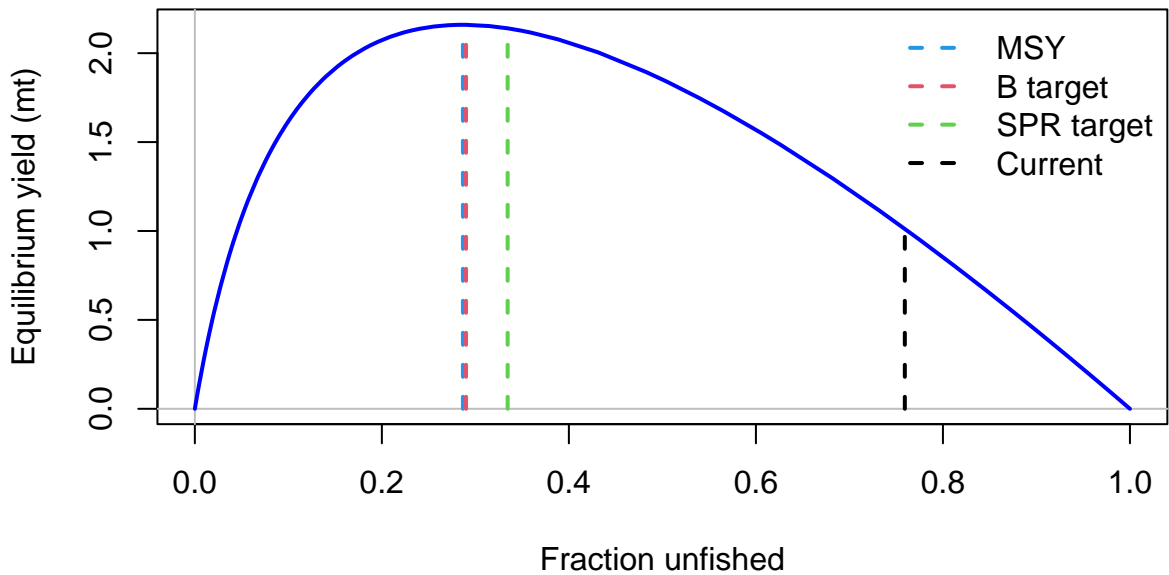
Length (cm)

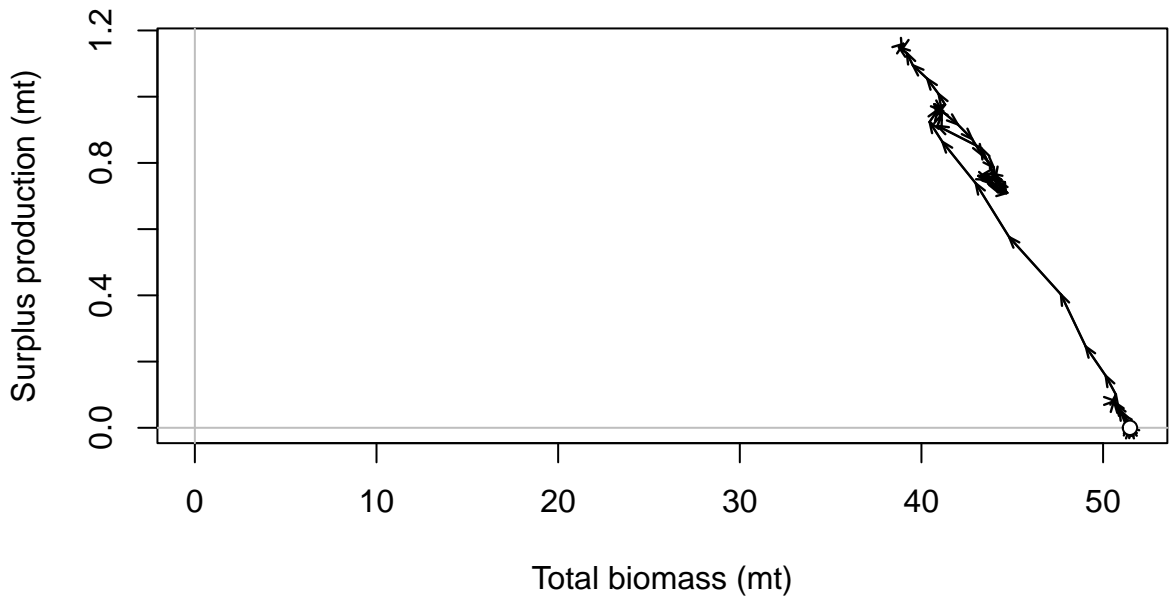


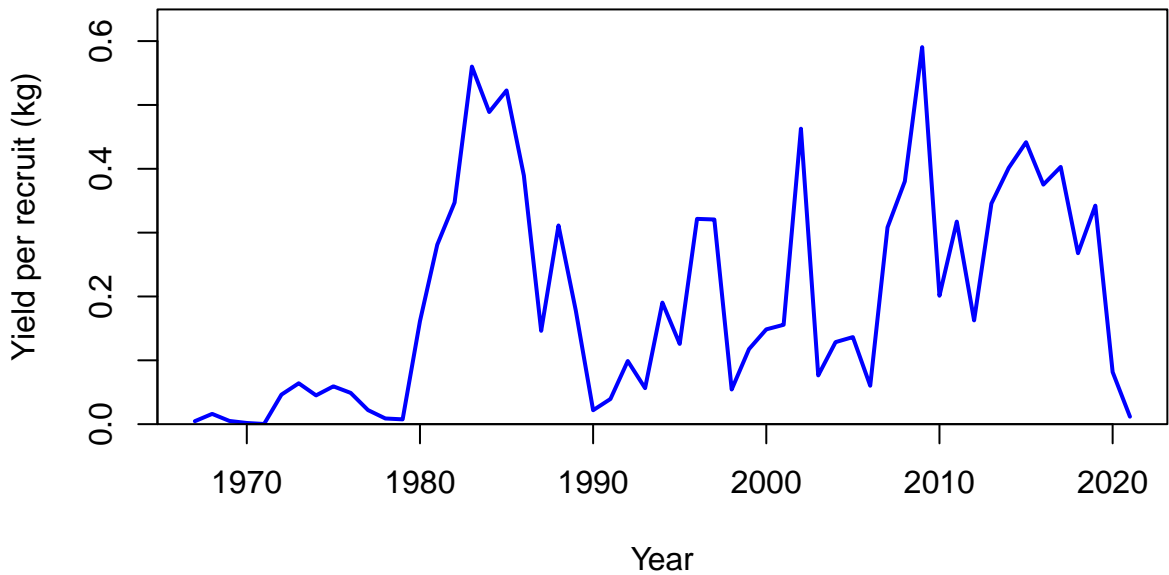
FISHERY (whole catch)

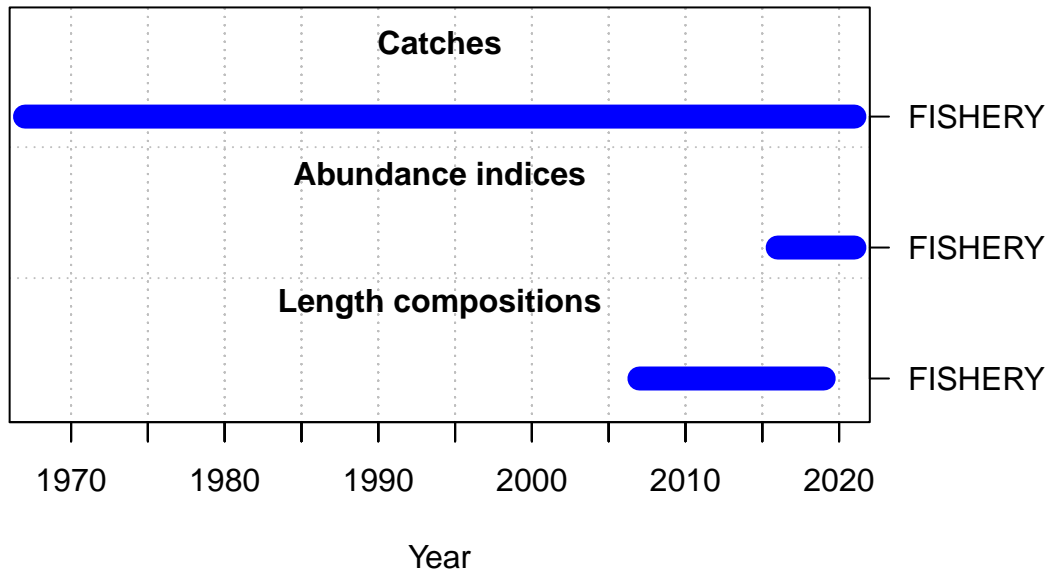


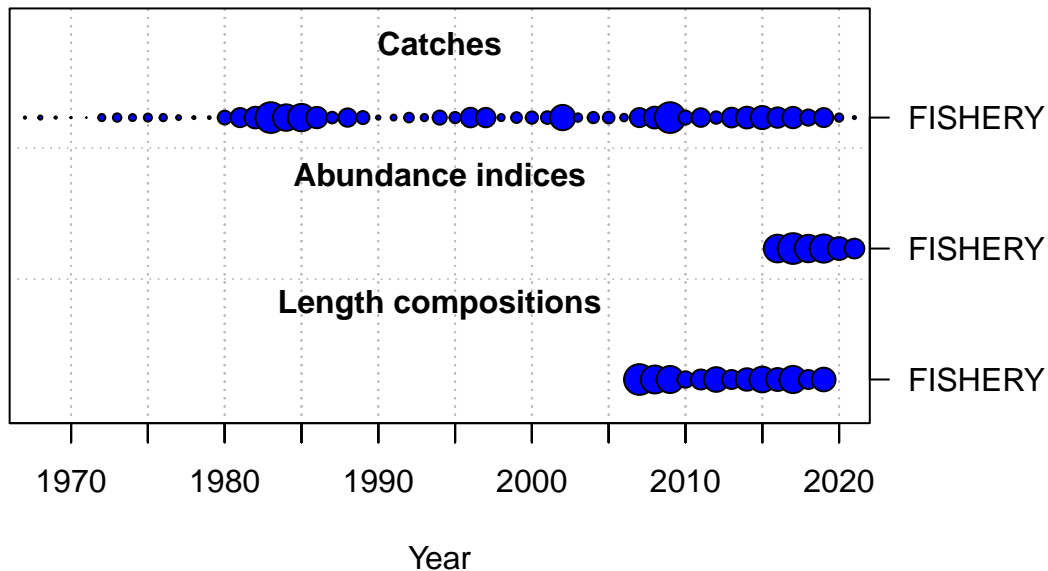








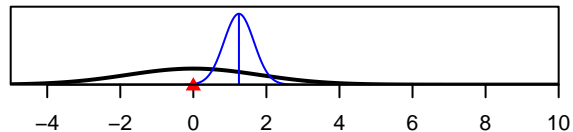




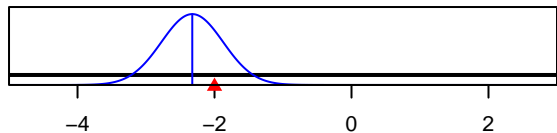
SR_LN(R0)



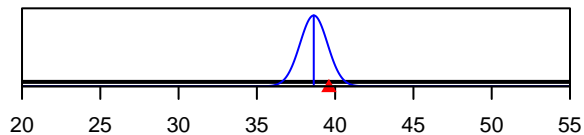
ln(DM_theta)_1



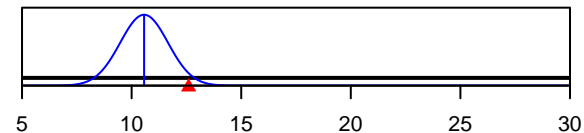
LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Parameter value