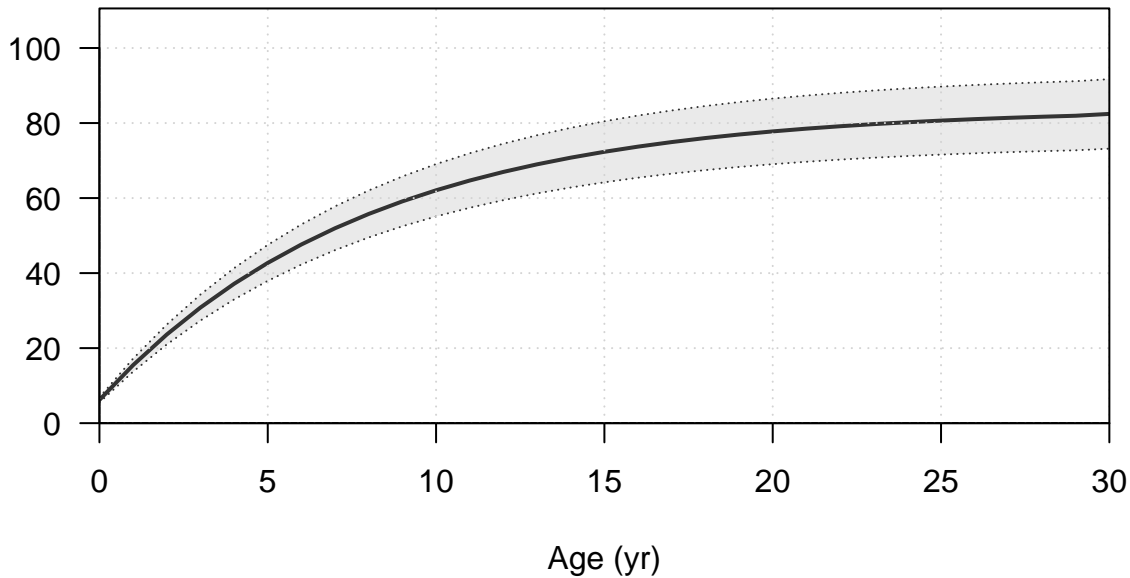
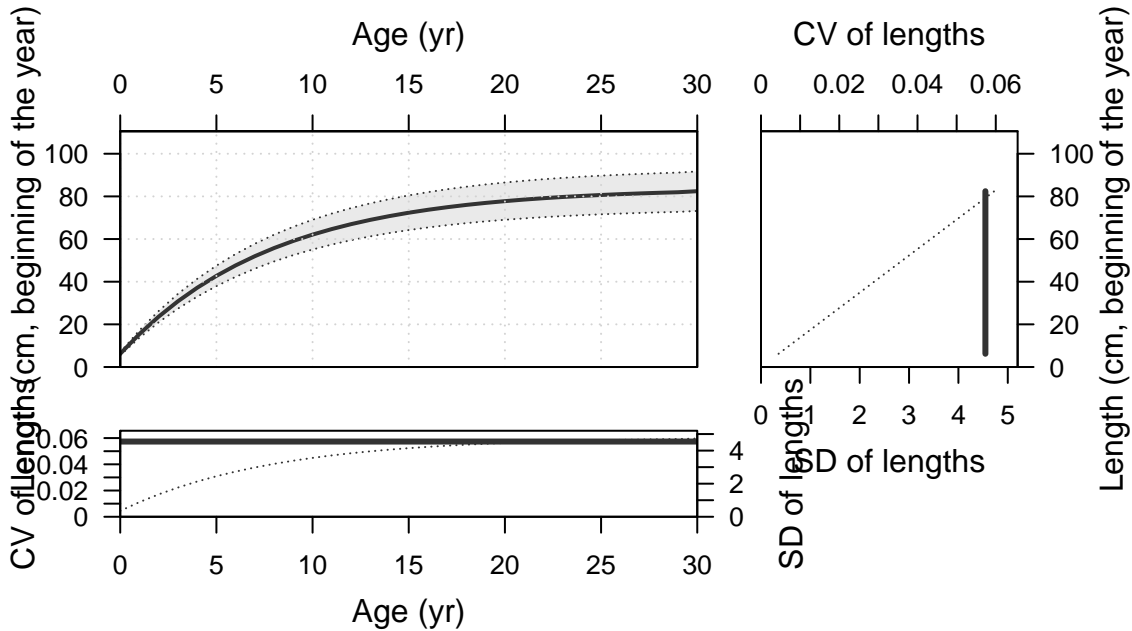
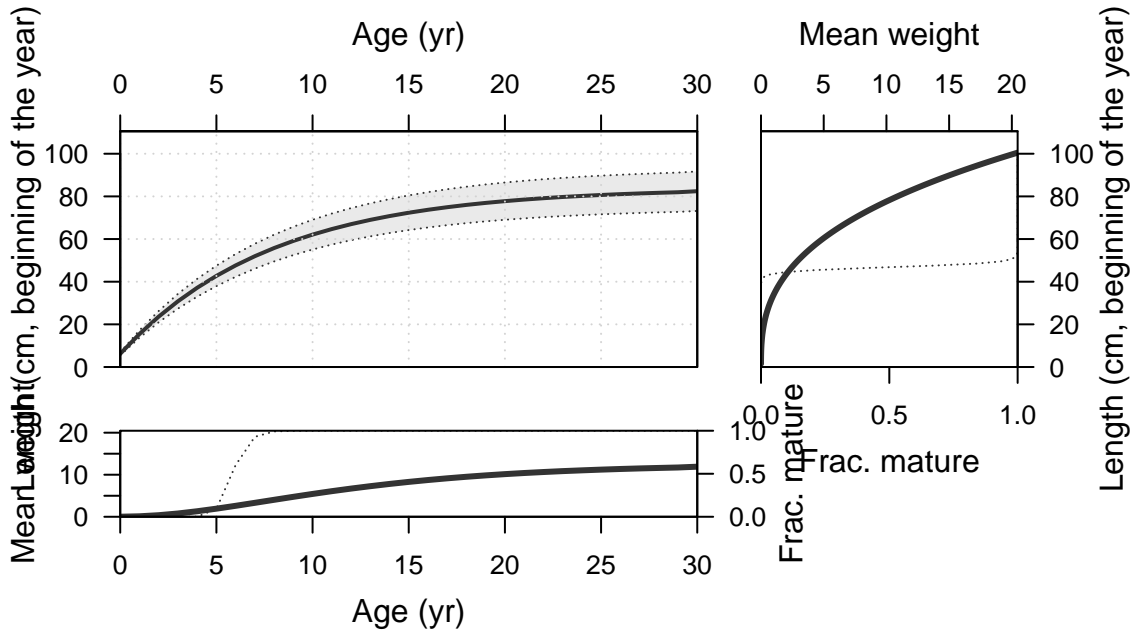


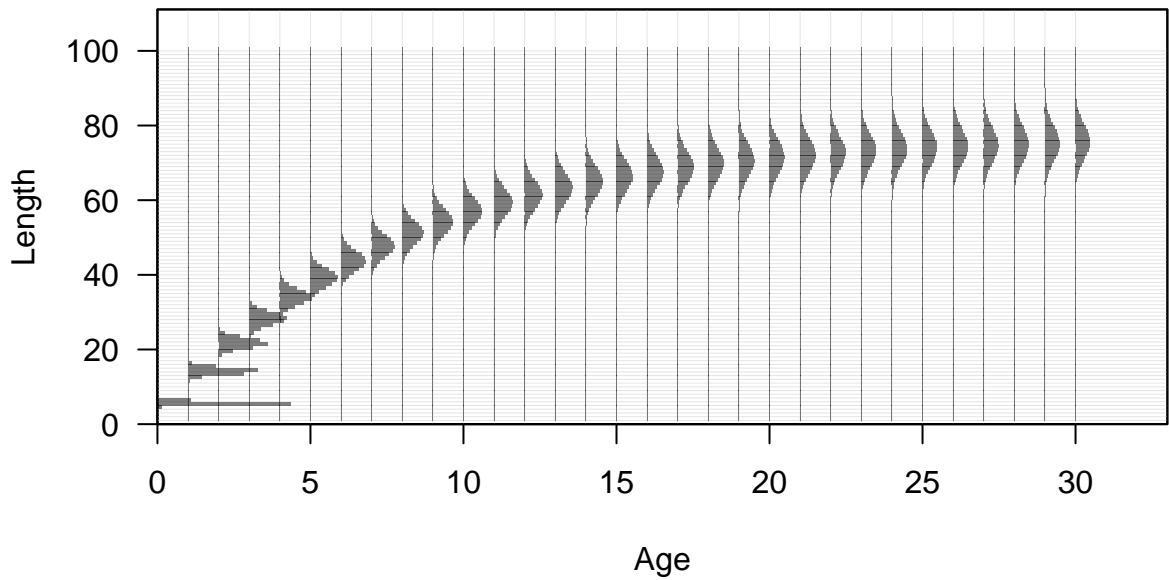
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Sun Oct 16 09:41:36 2022
Data_File: data.ss
Control_File: control.ss

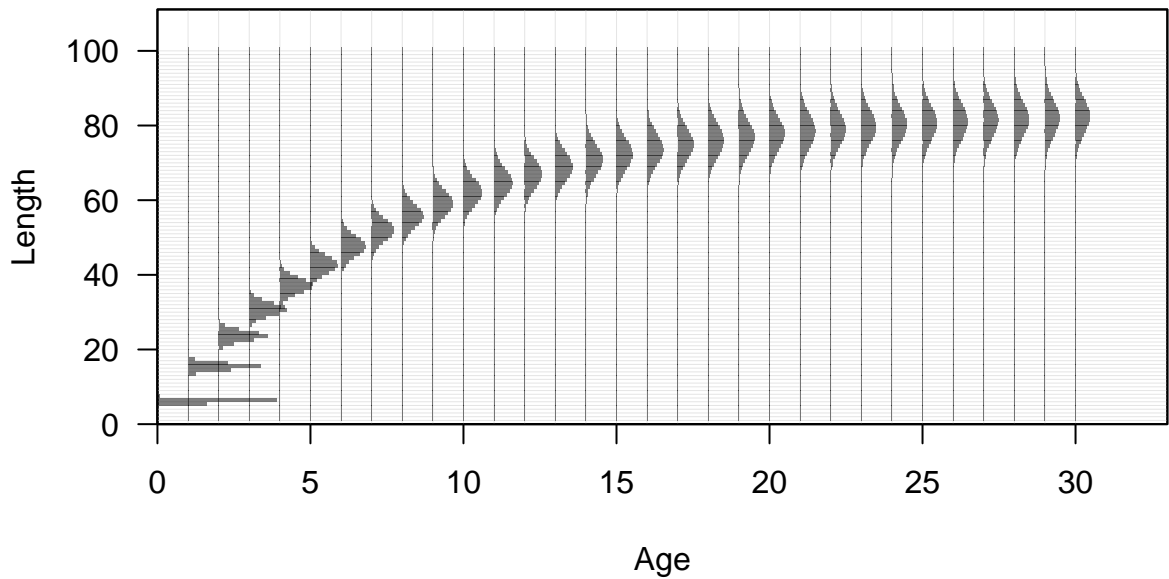
Length (cm, beginning of the year)

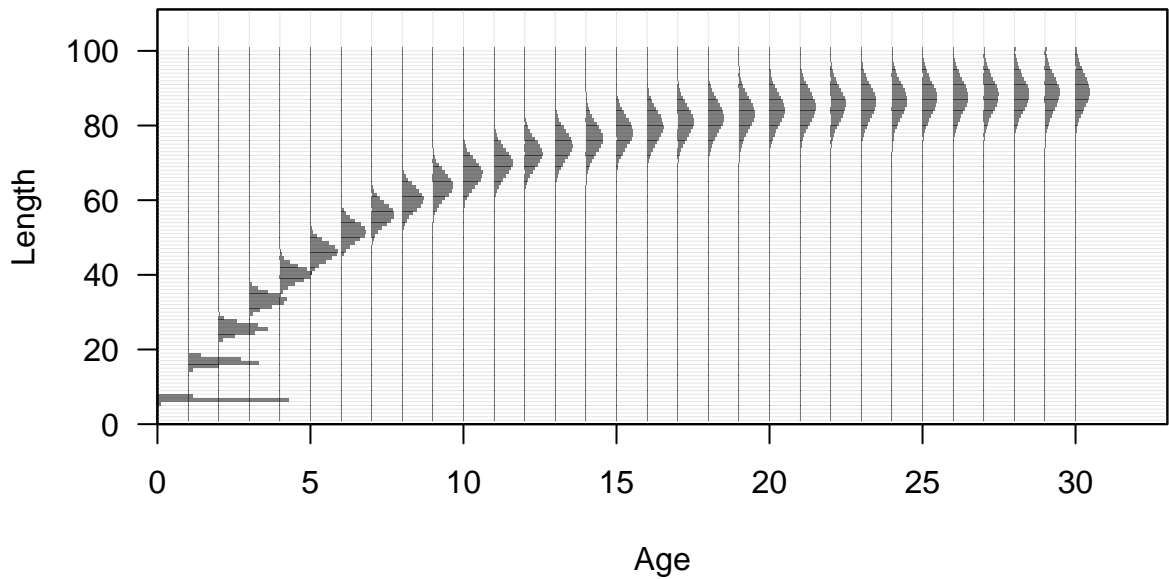


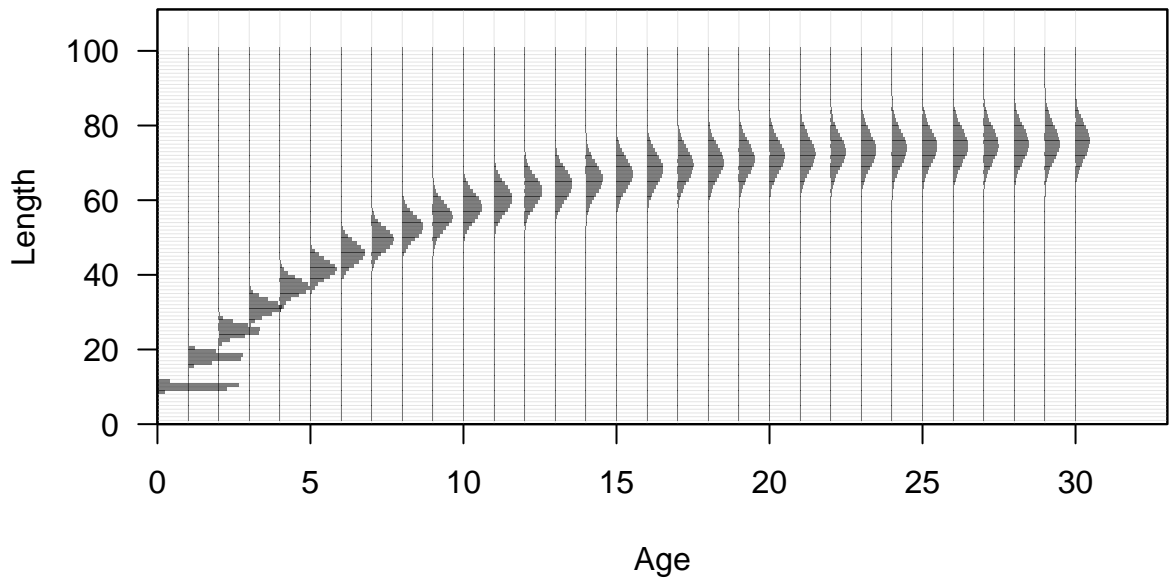


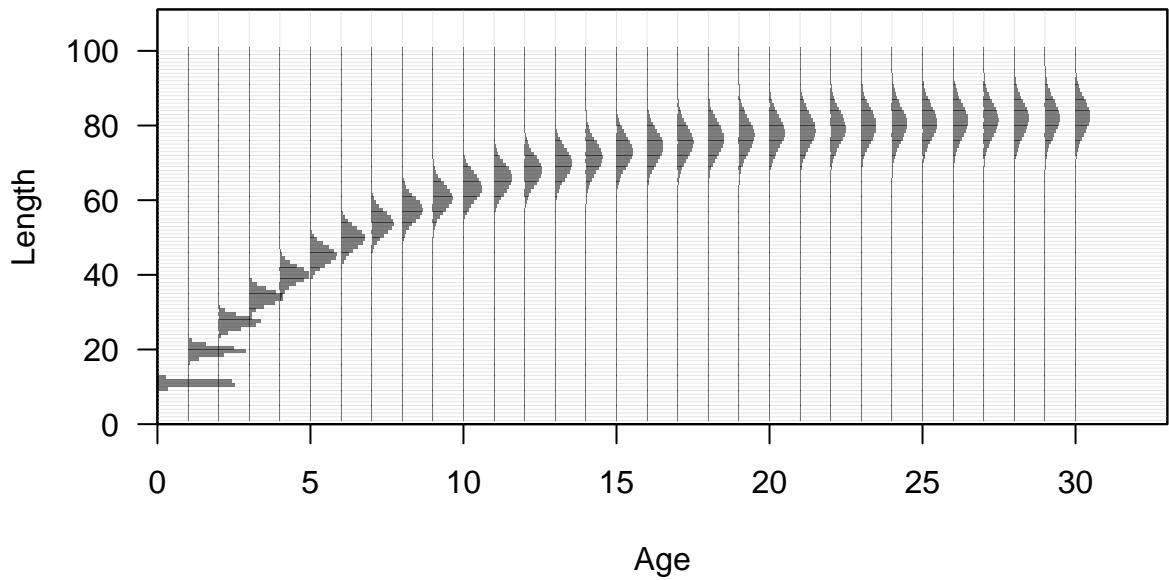


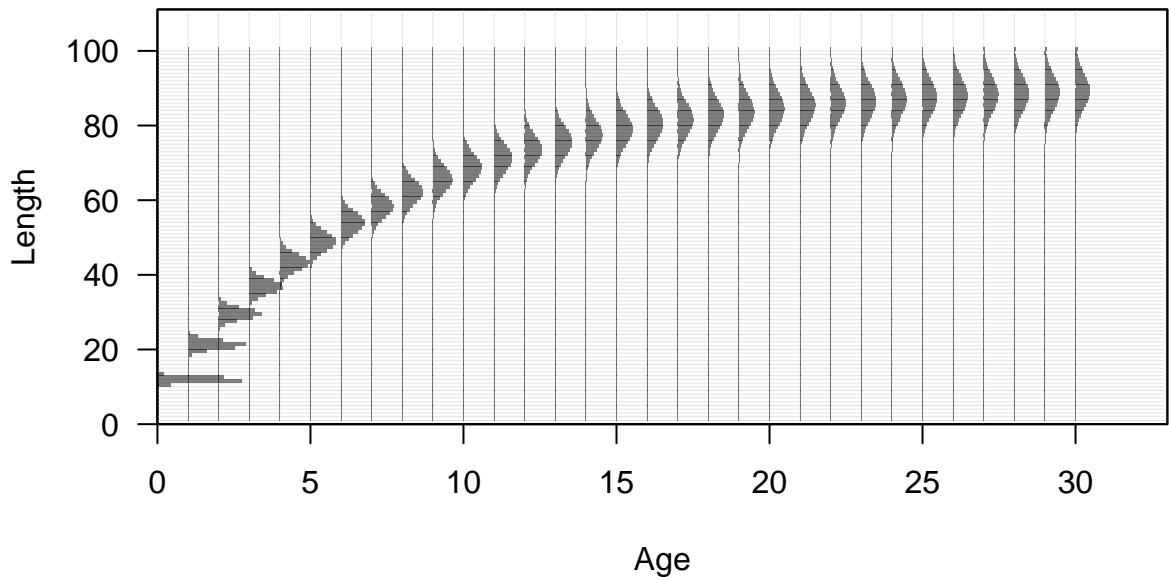




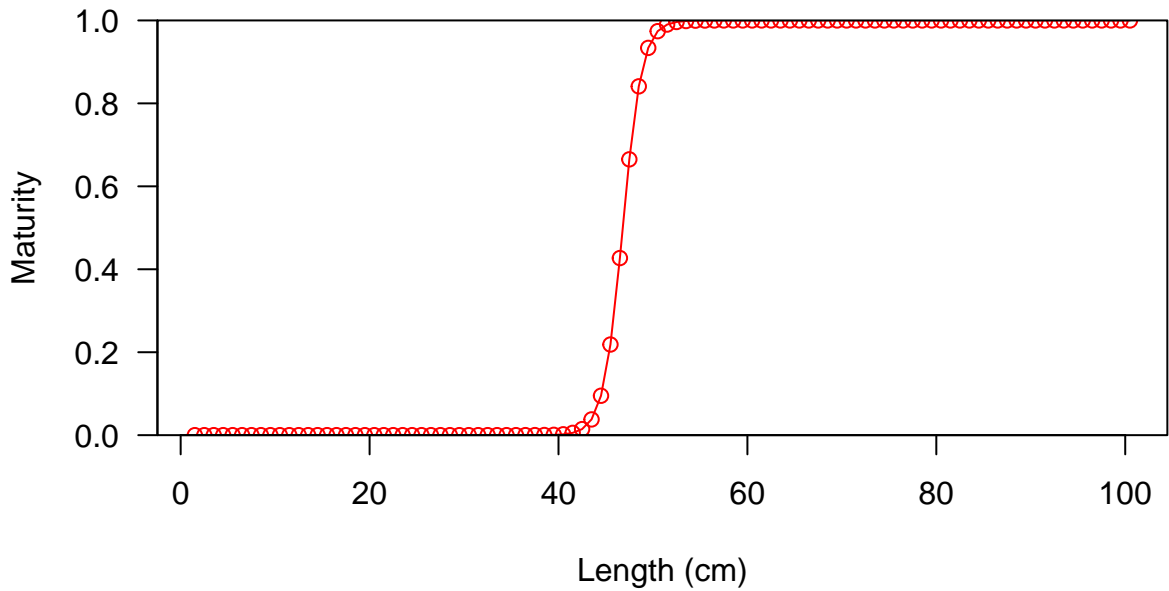


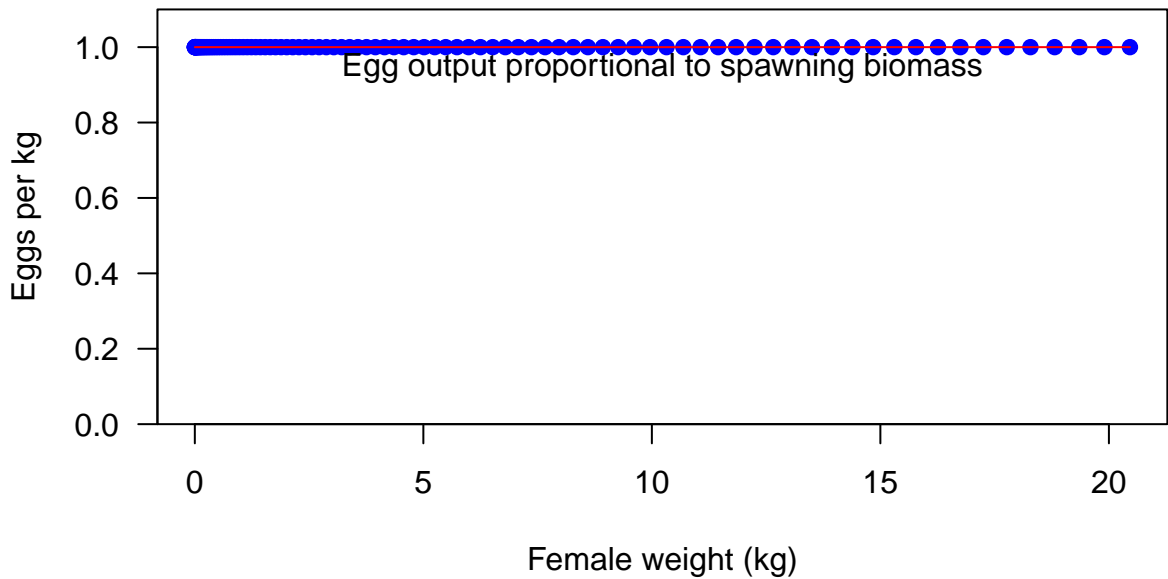




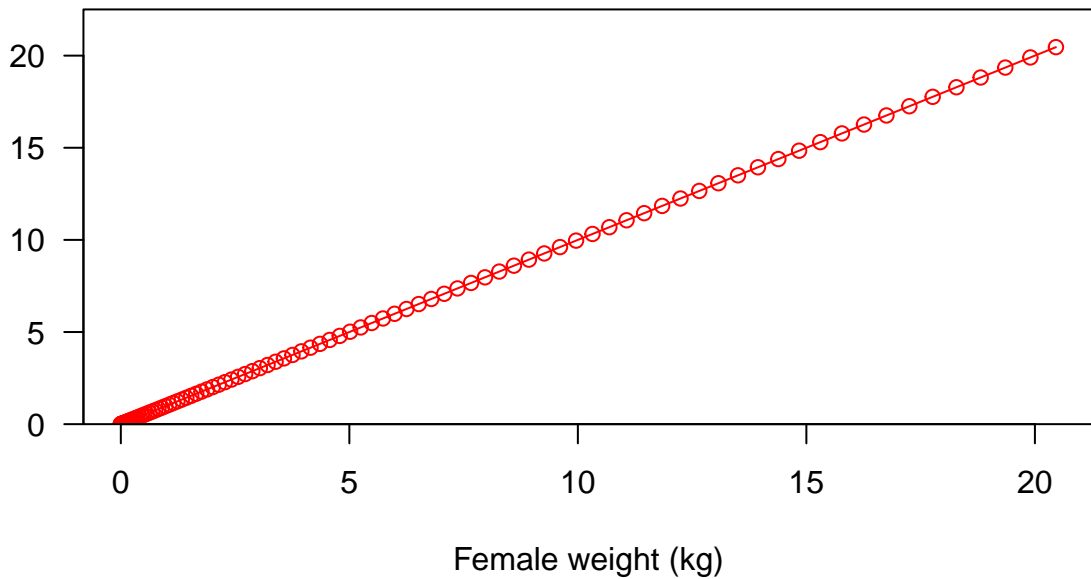








Fecundity



Fecundity

20

15

10

5

0

0

20

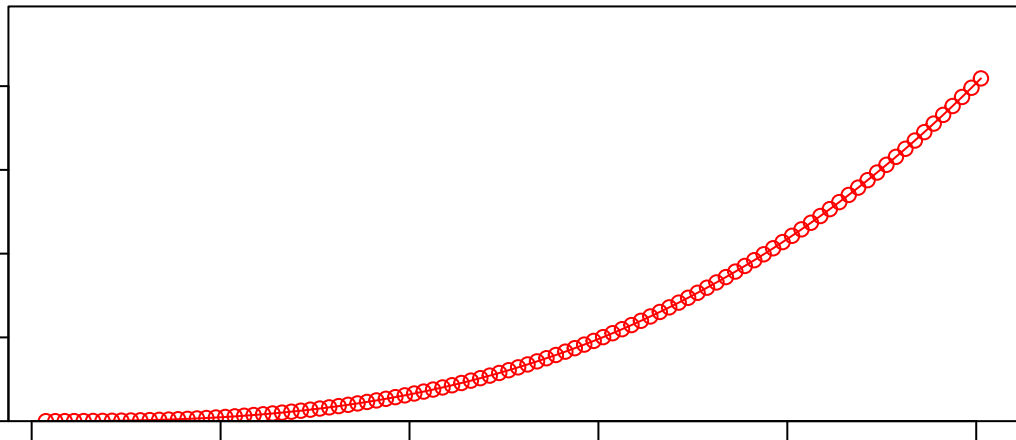
40

60

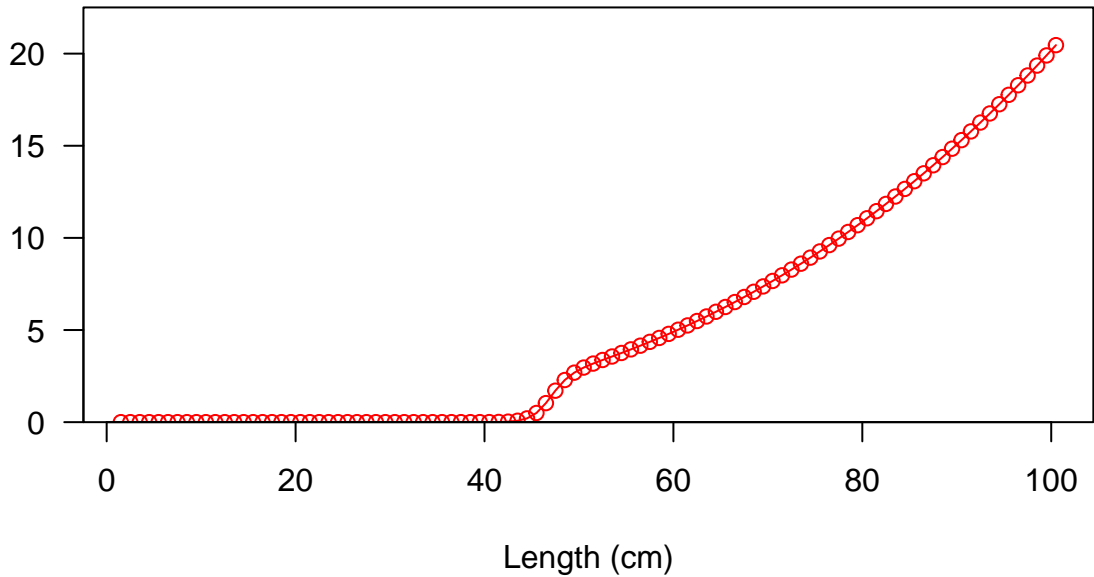
80

100

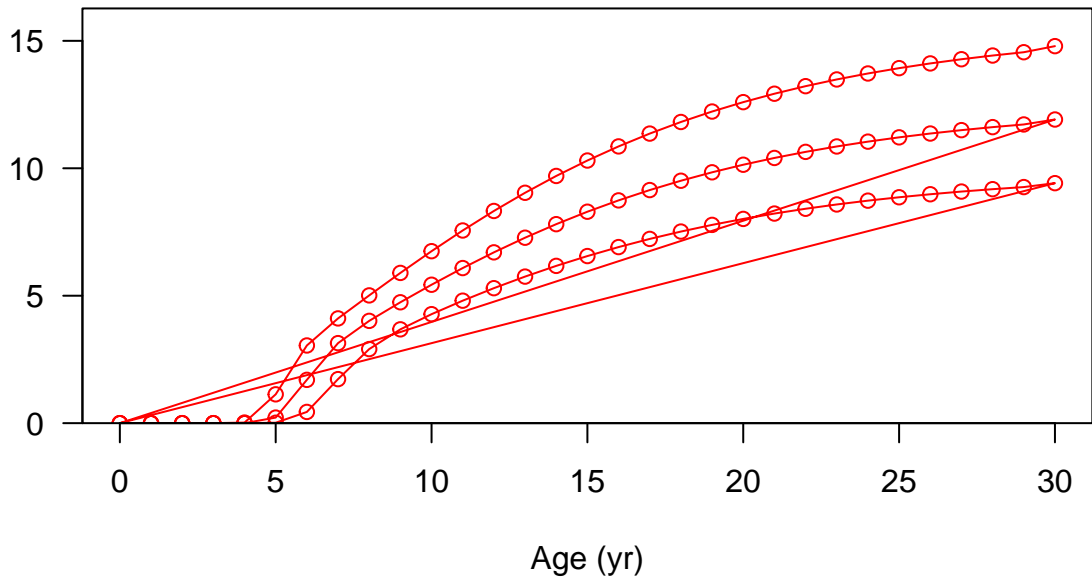
Female length (cm)



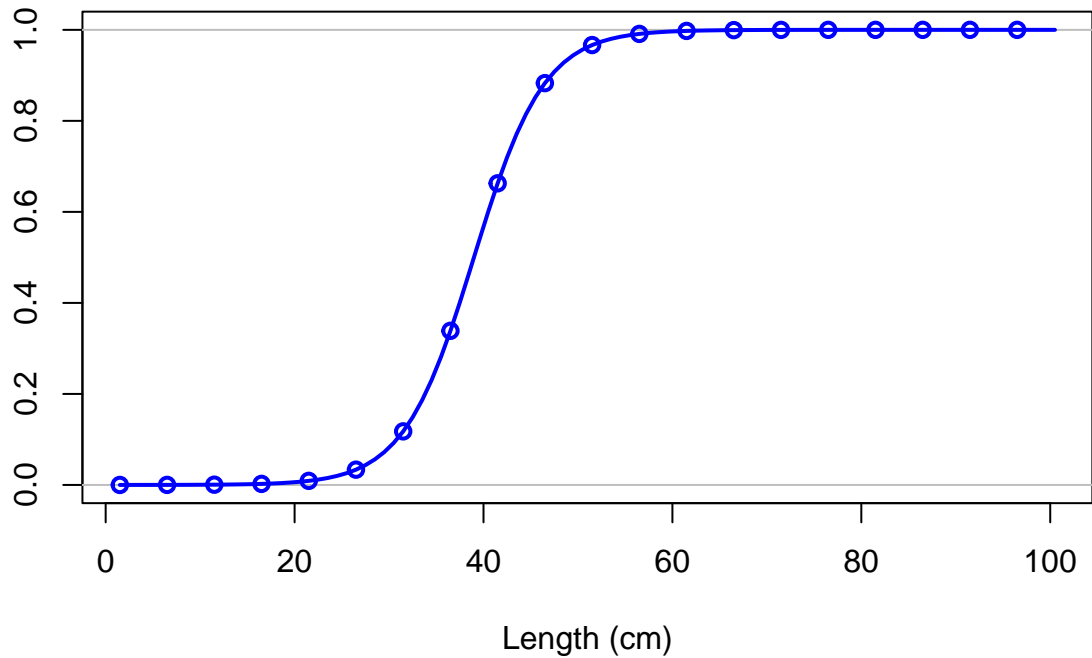
Spawning output



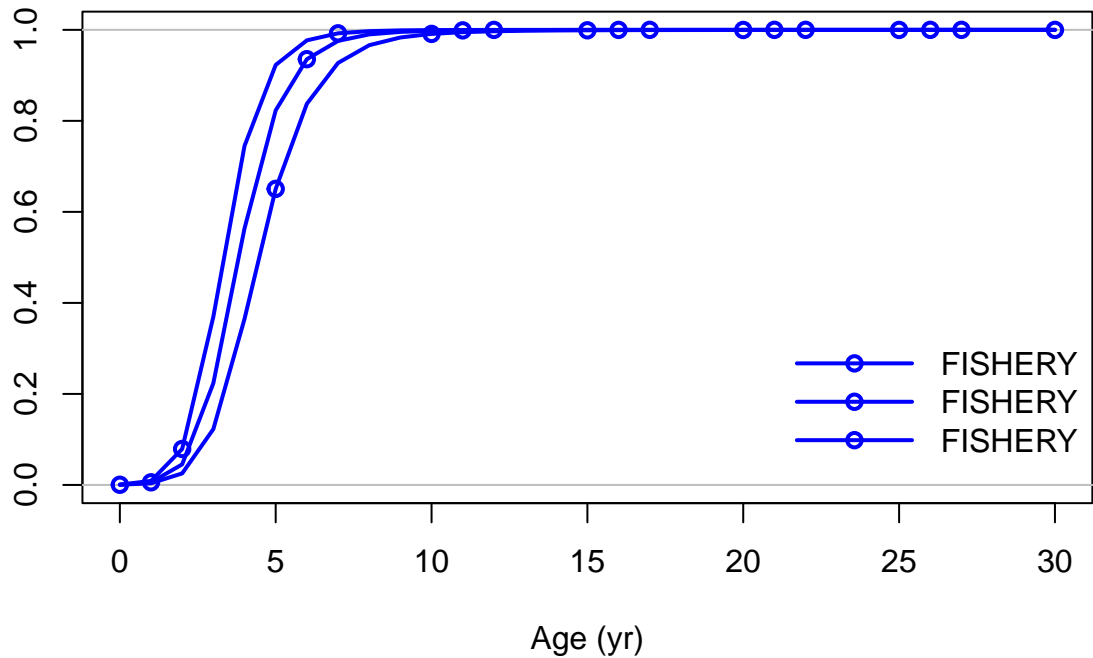
Spawning output



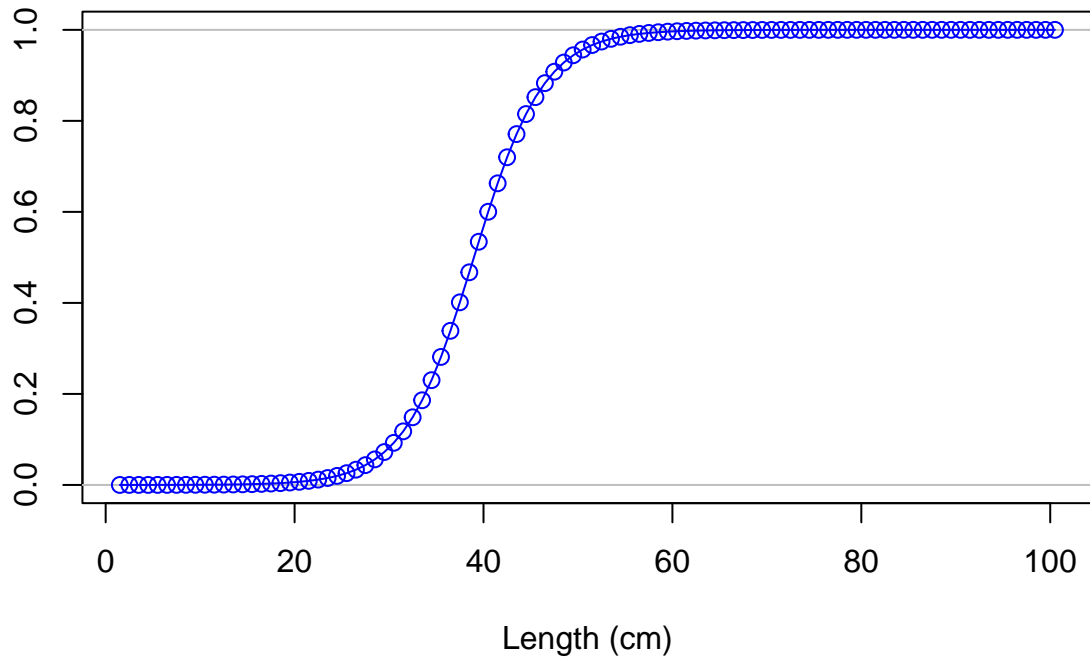
Selectivity

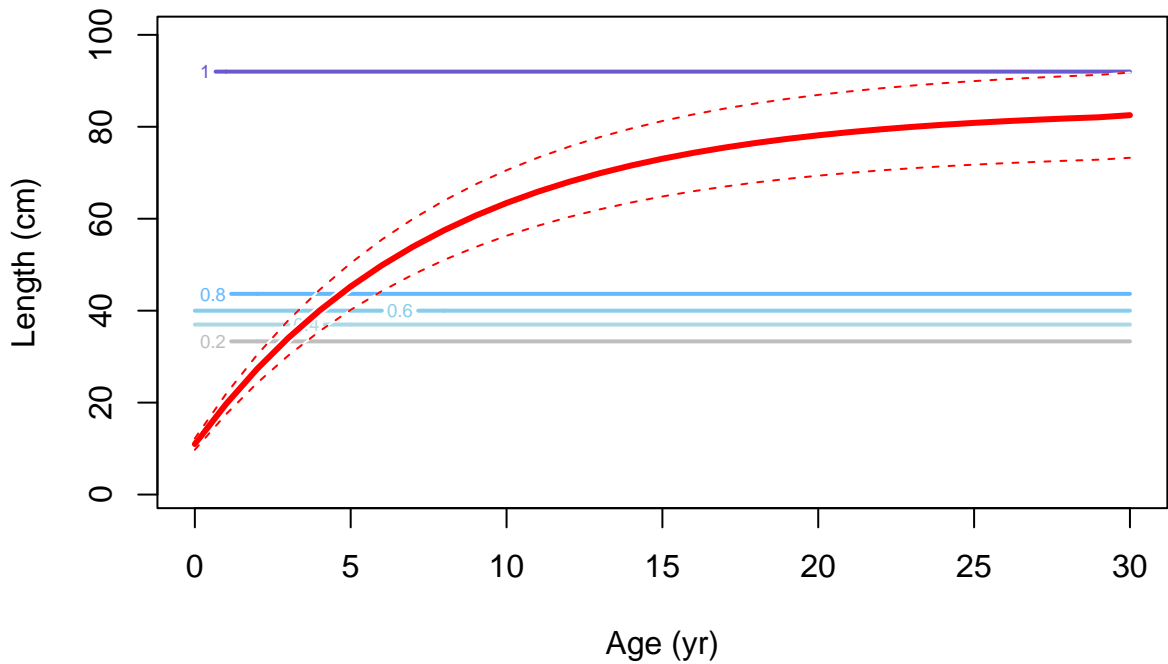


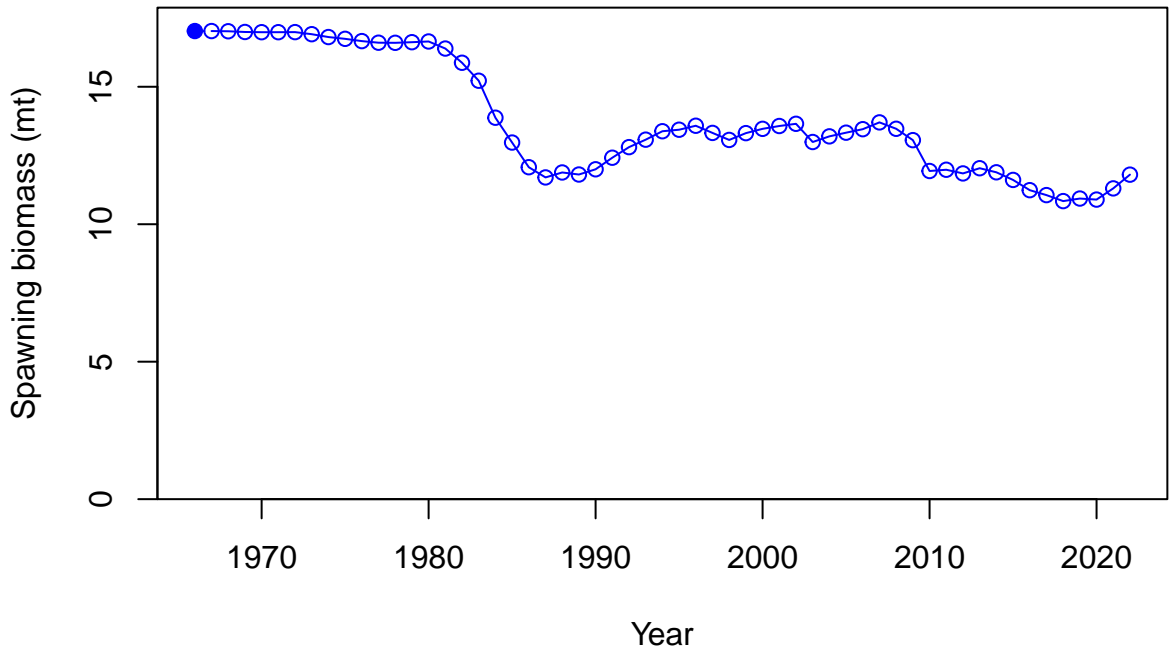
Selectivity



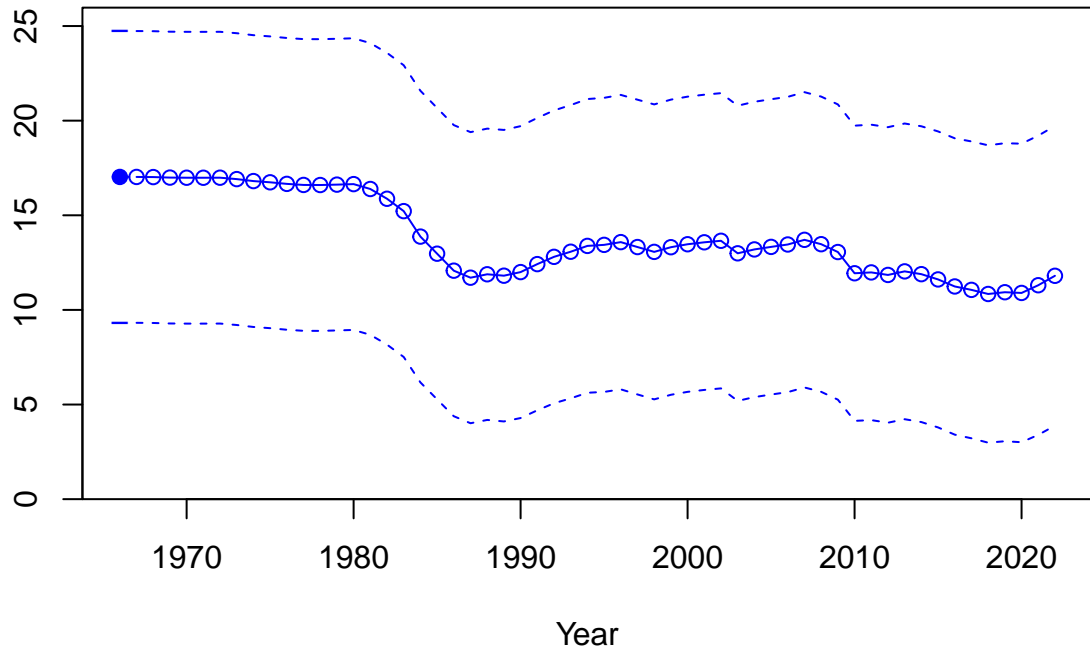
Selectivity



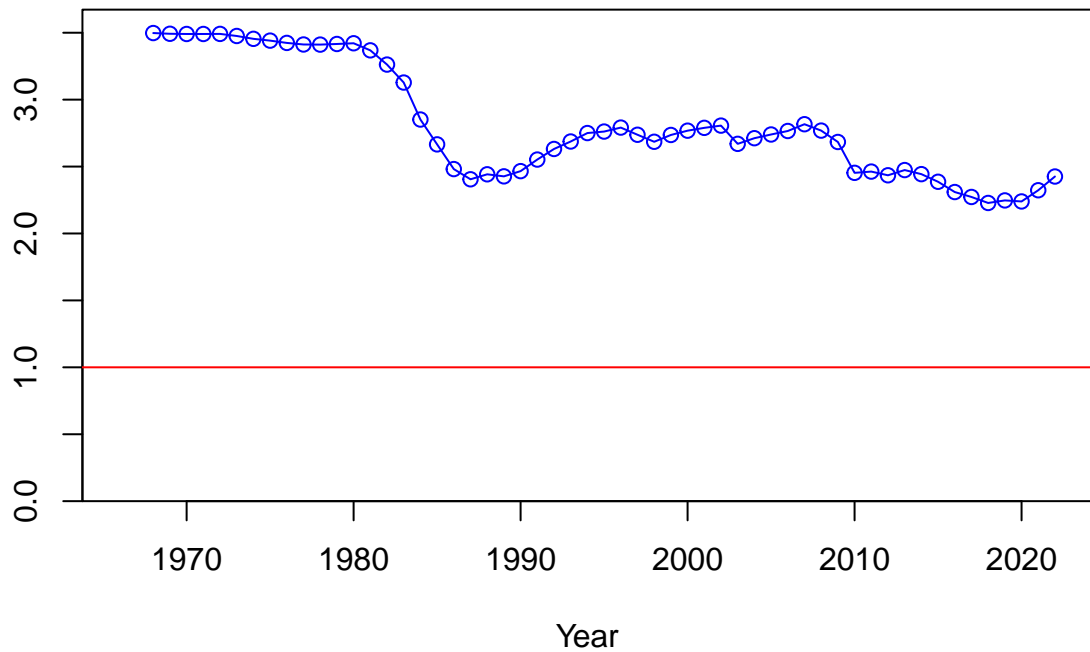




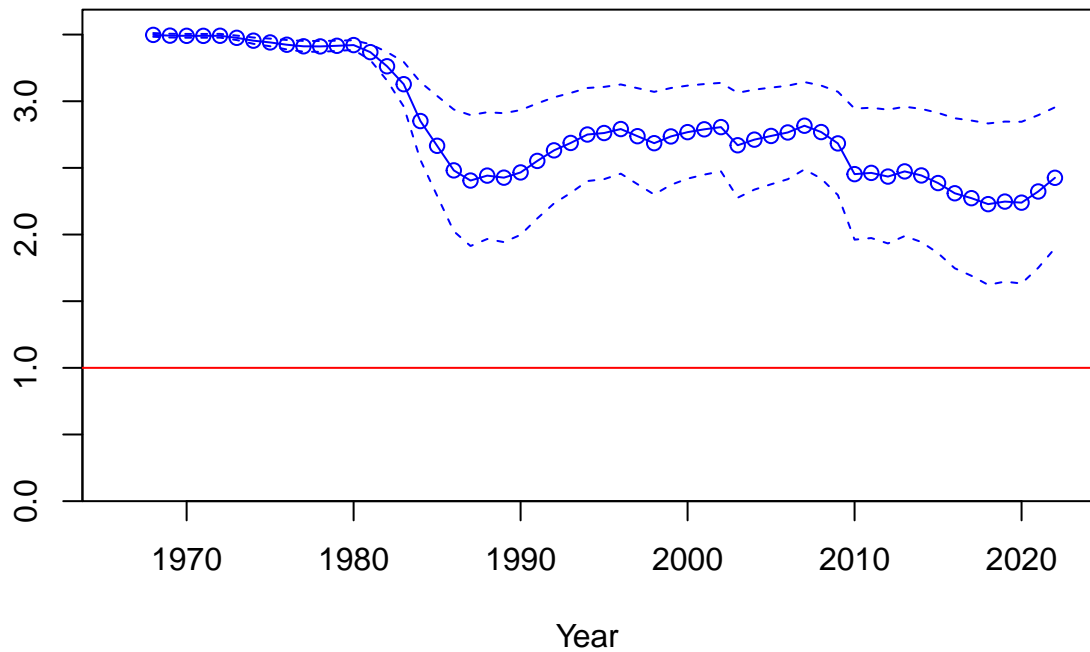
Spawning biomass (mt)

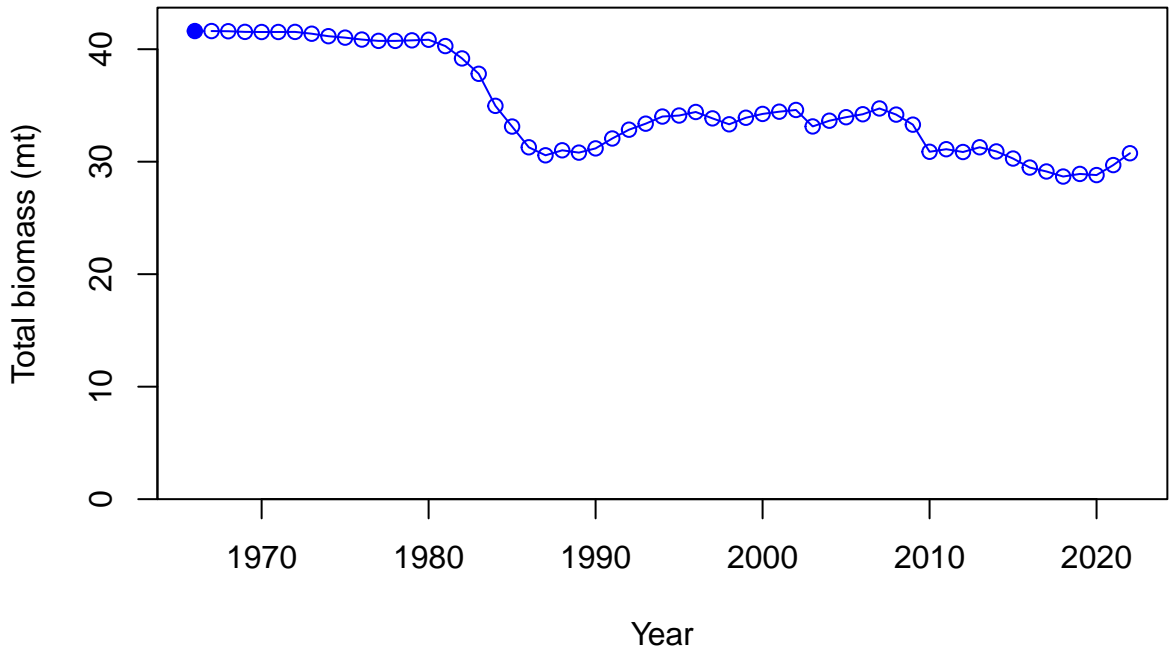


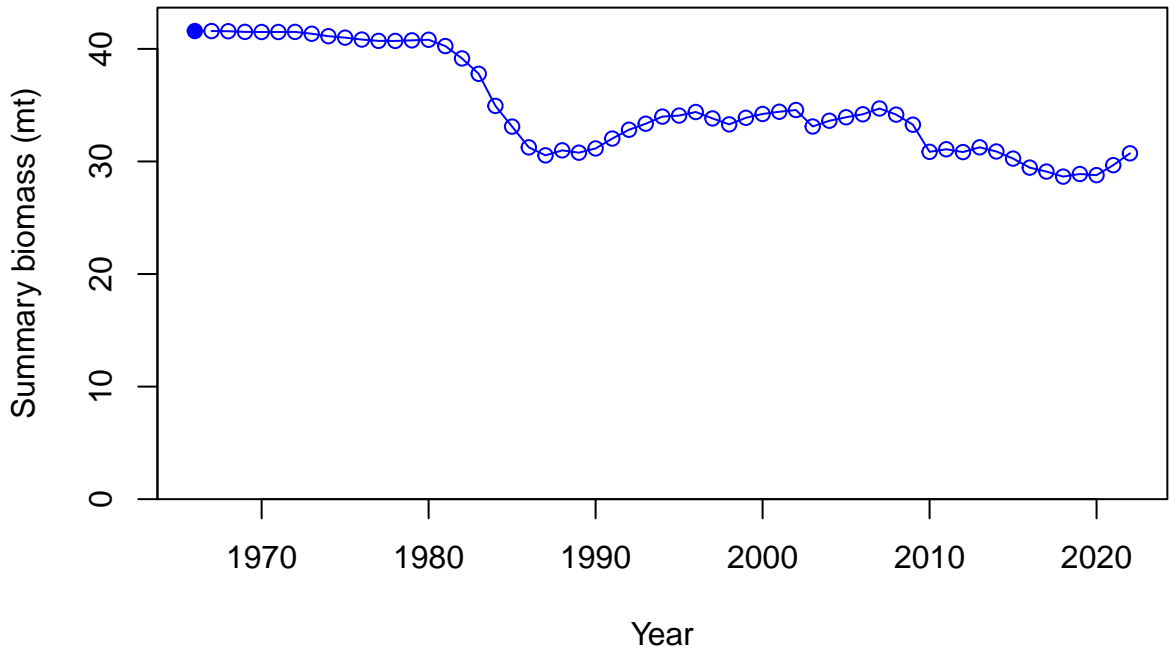
Relative spawning biomass: B/B_{MSY}



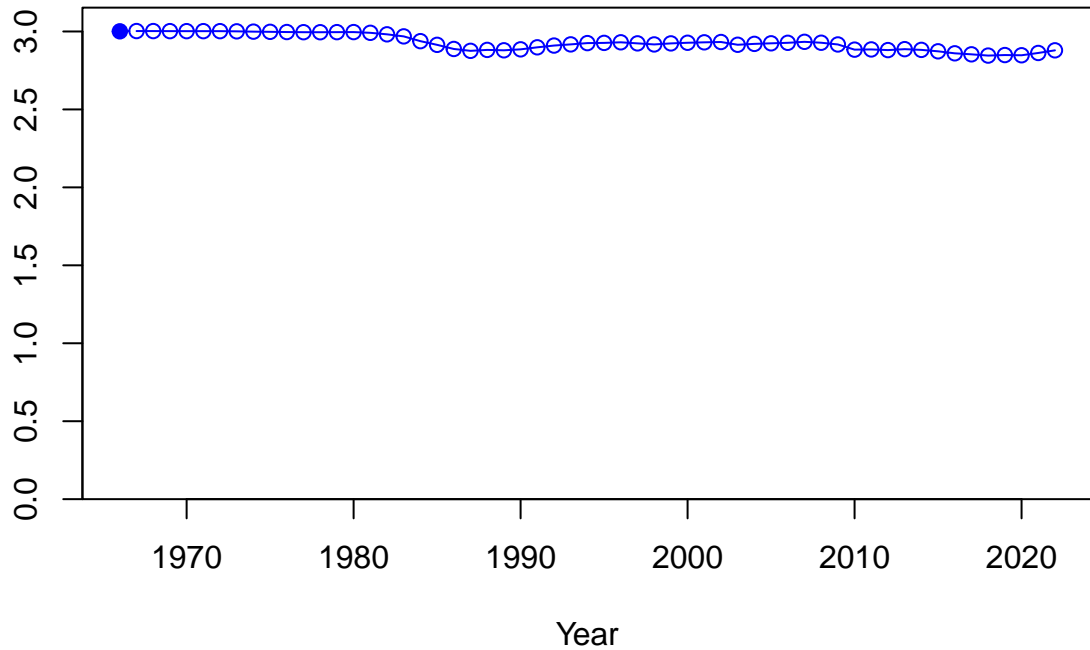
Relative spawning biomass: B/B_{MSY}



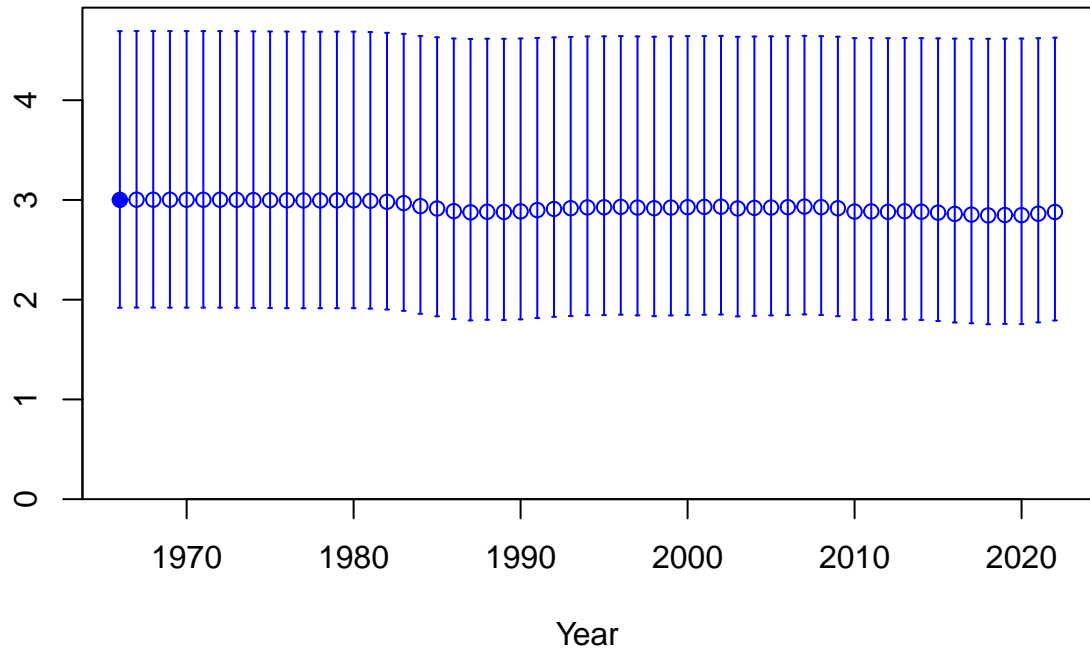




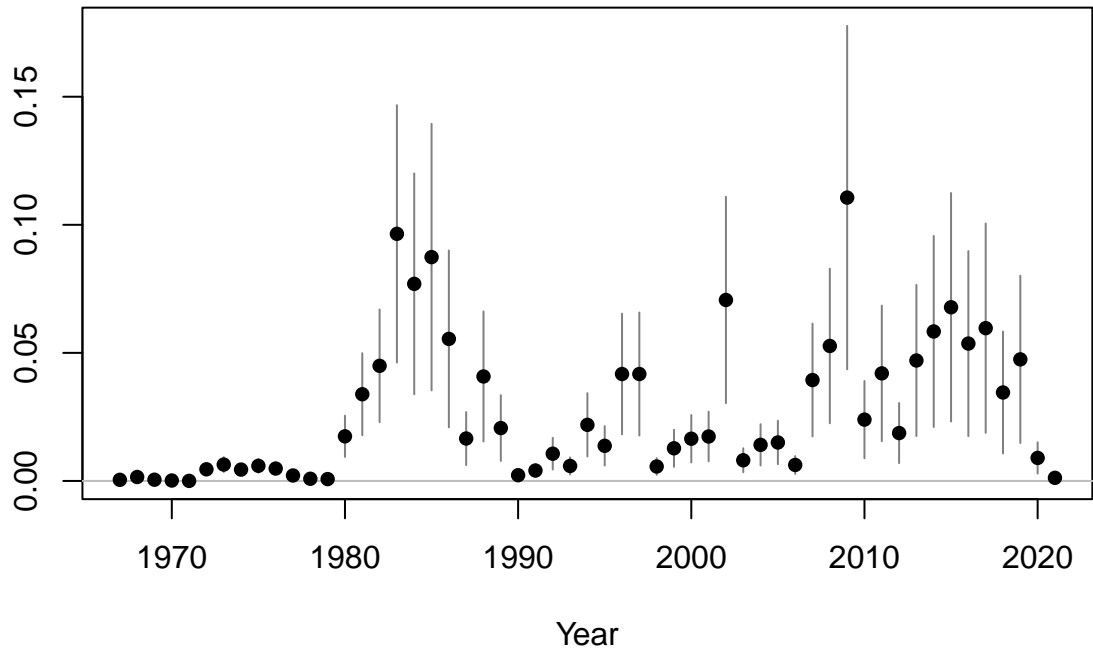
Age-0 recruits (1,000s)

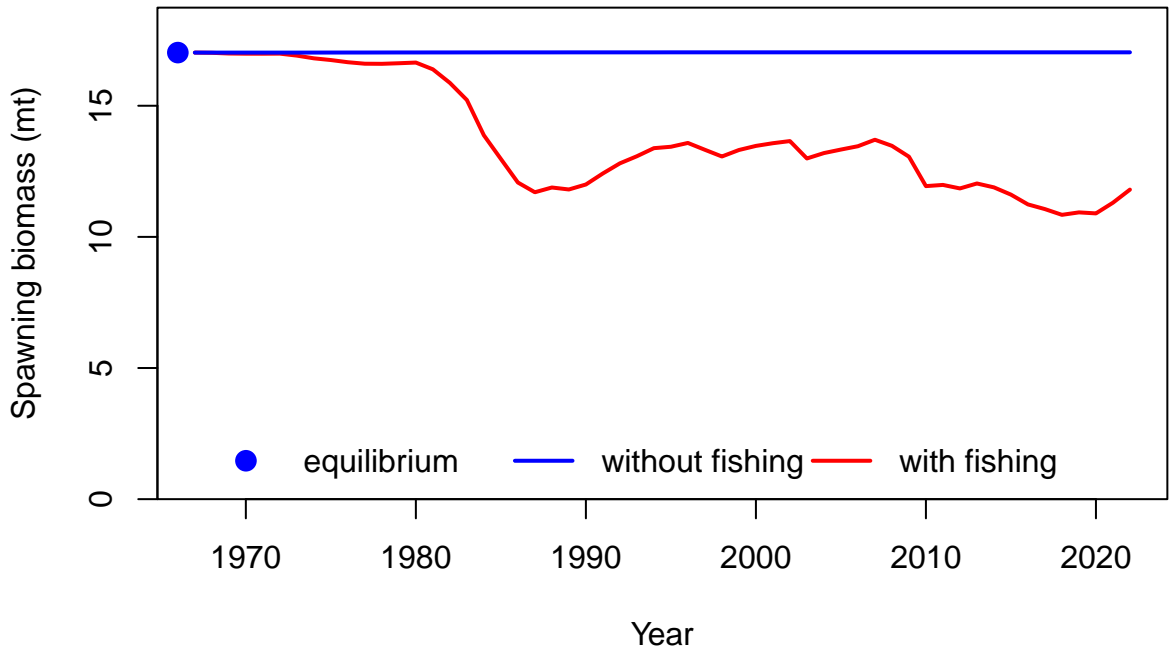


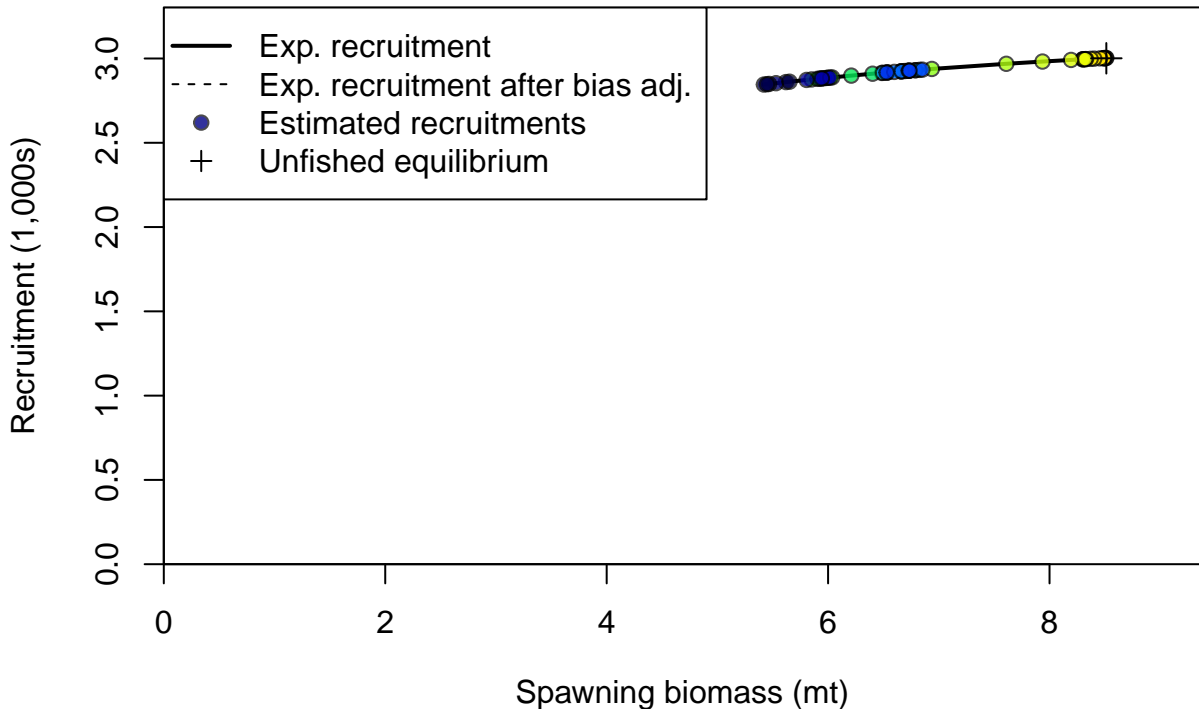
Age-0 recruits (1,000s)



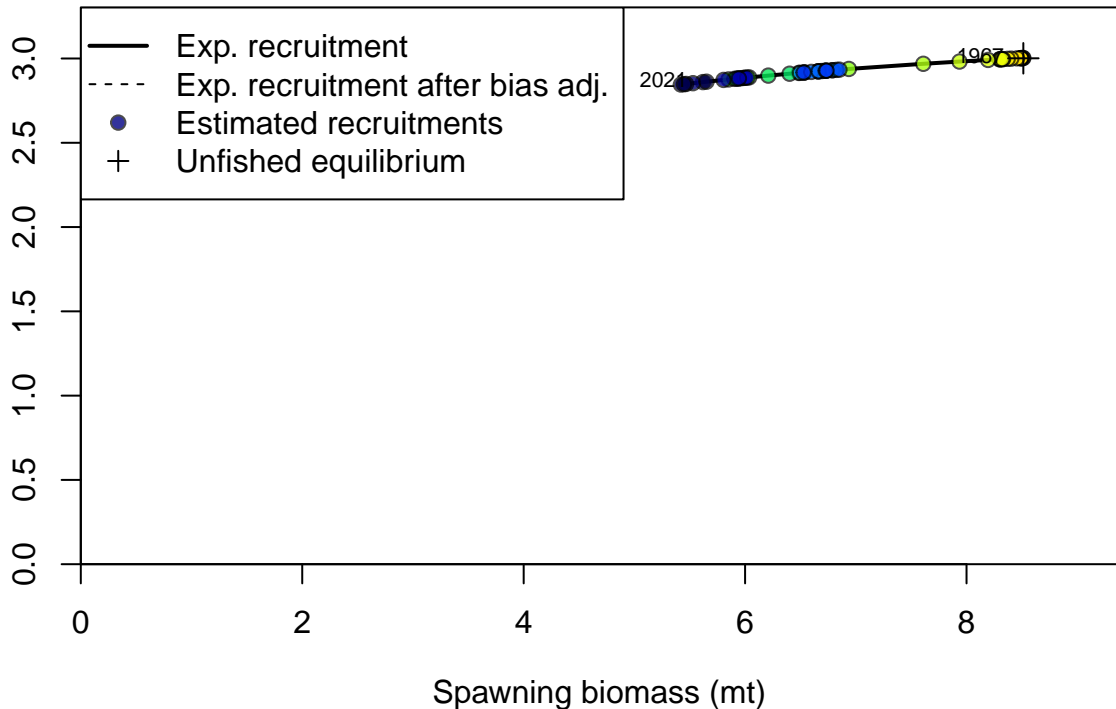
Summary Fishing Mortality

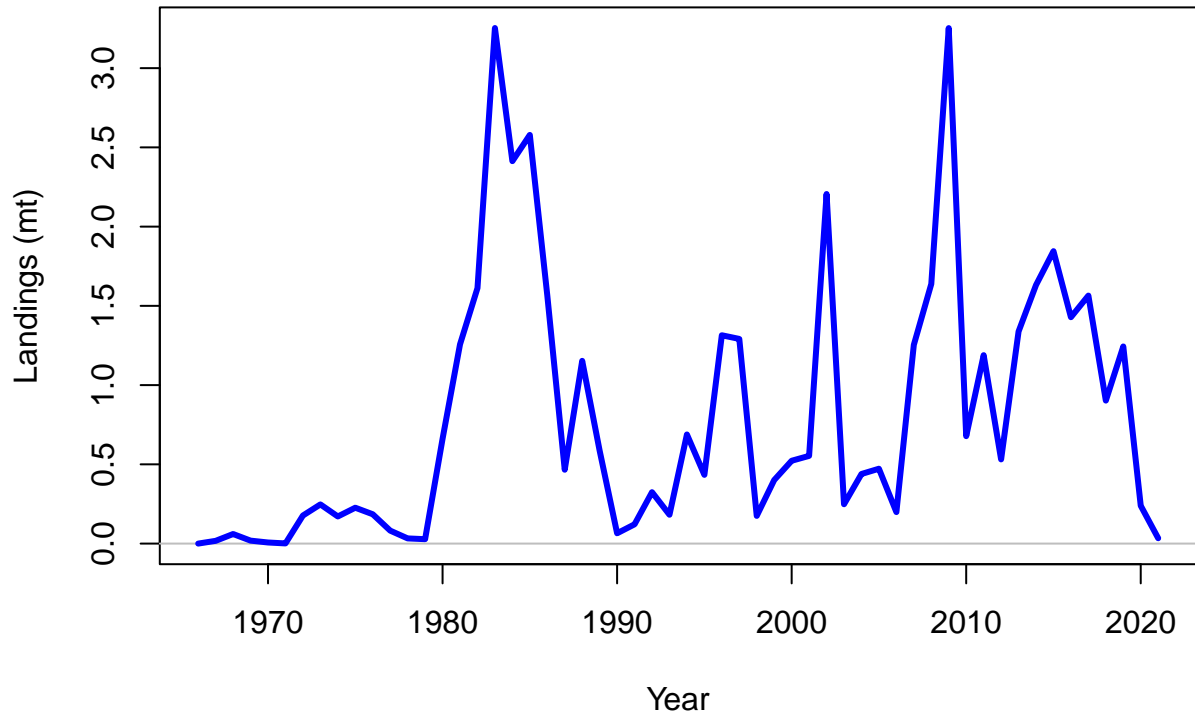


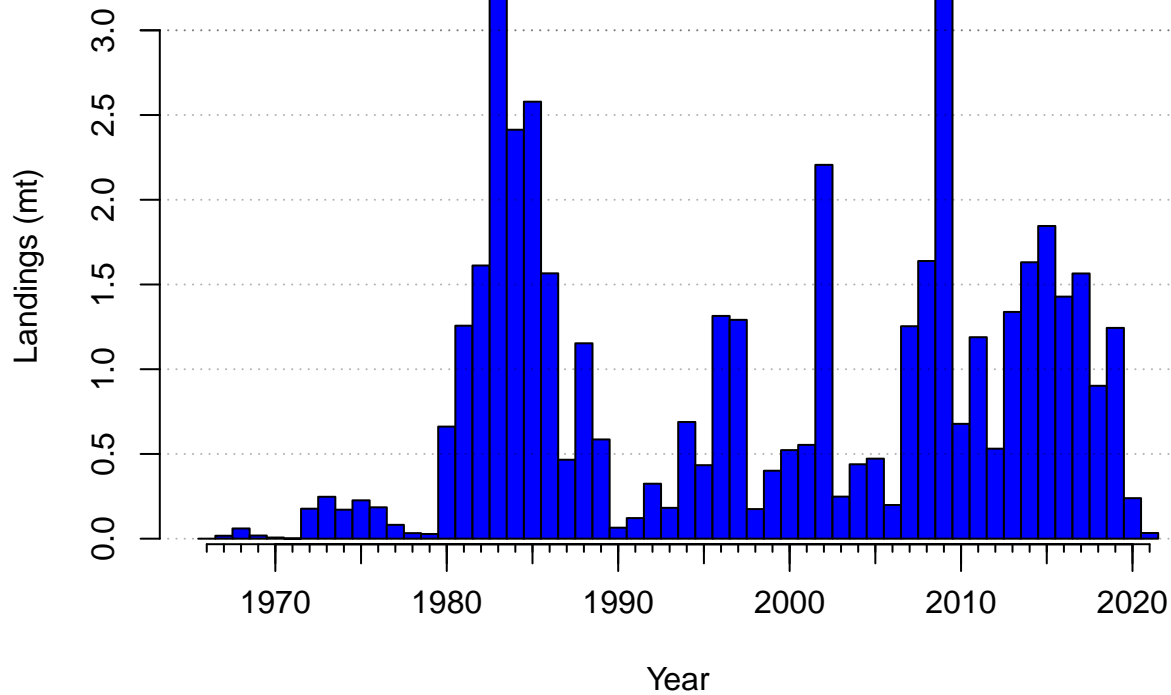


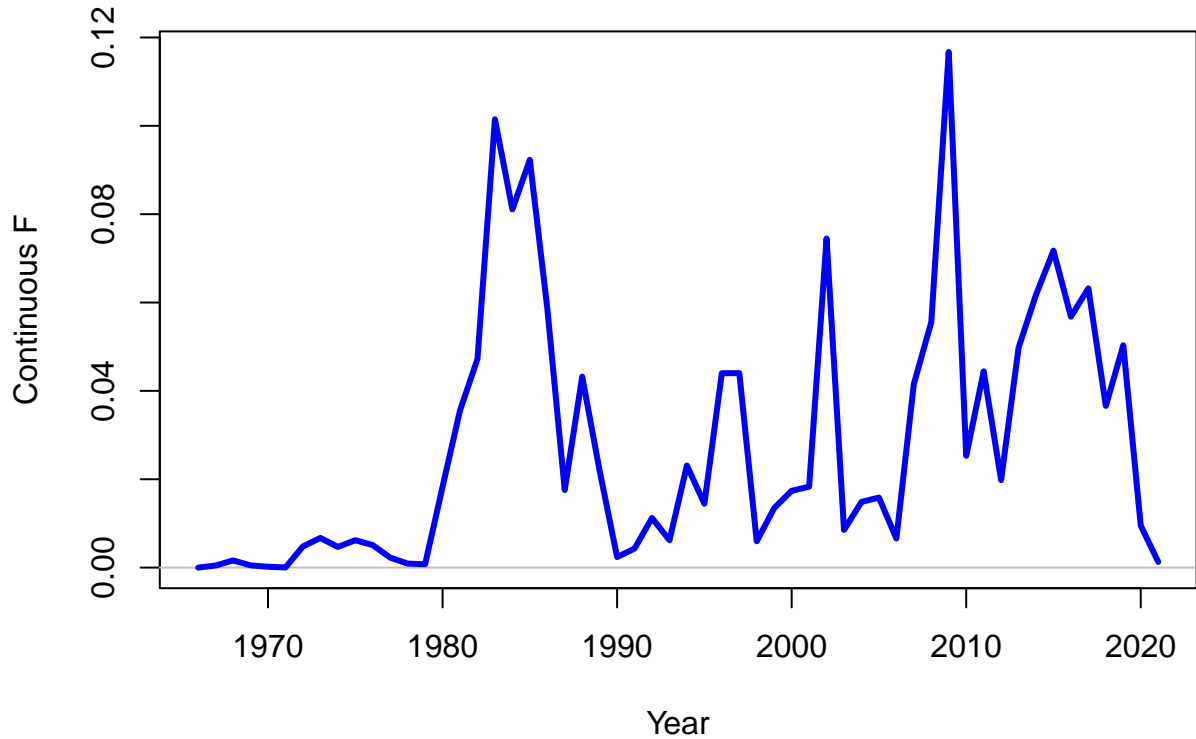


Recruitment (1,000s)

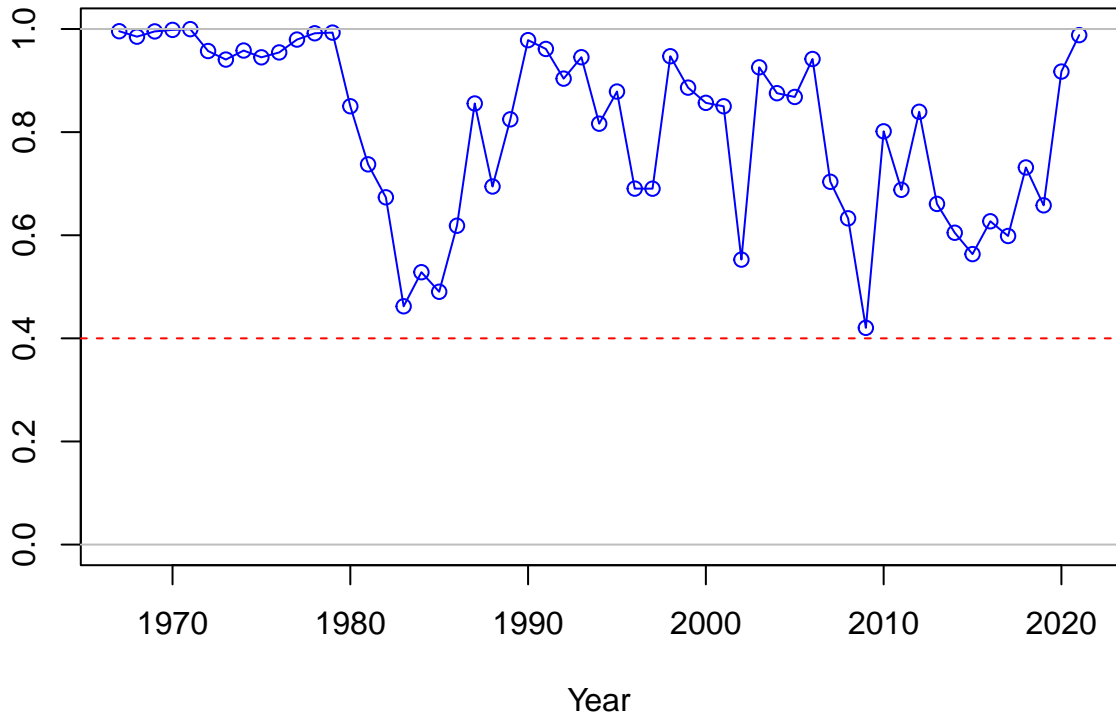




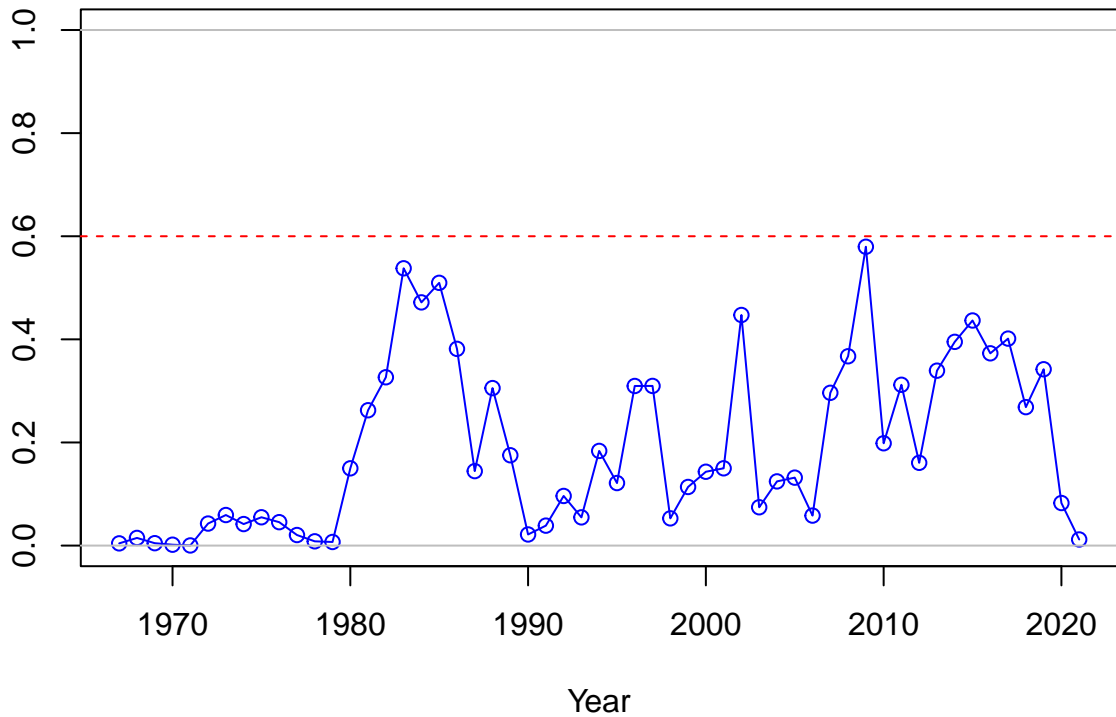




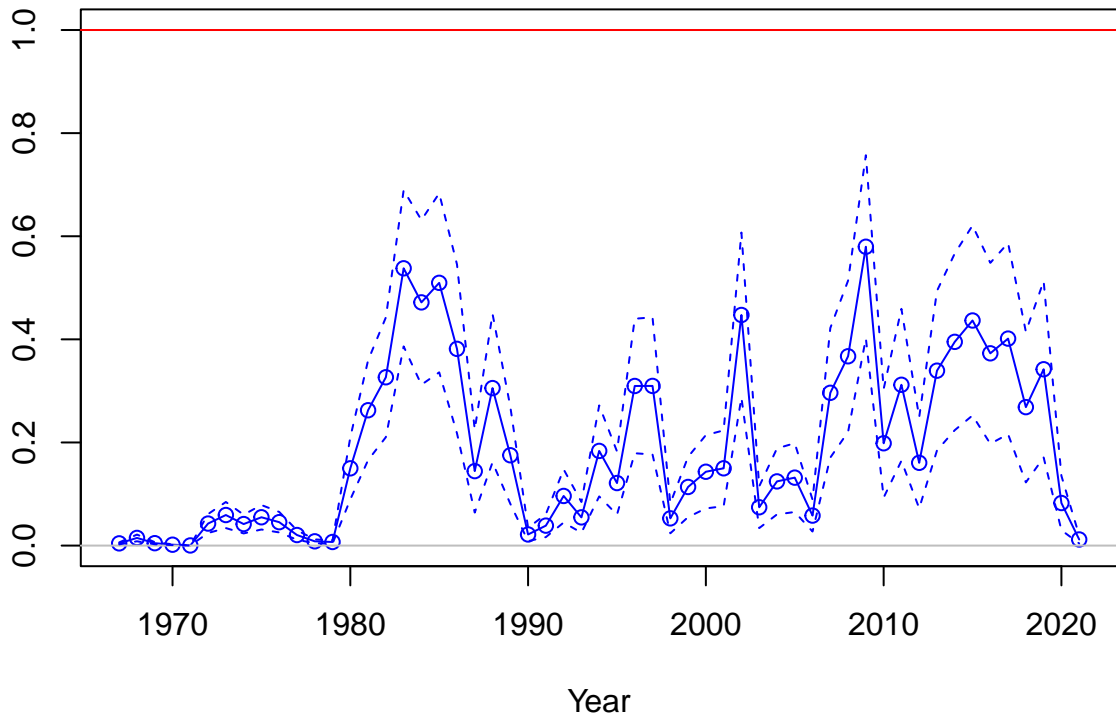
SPR



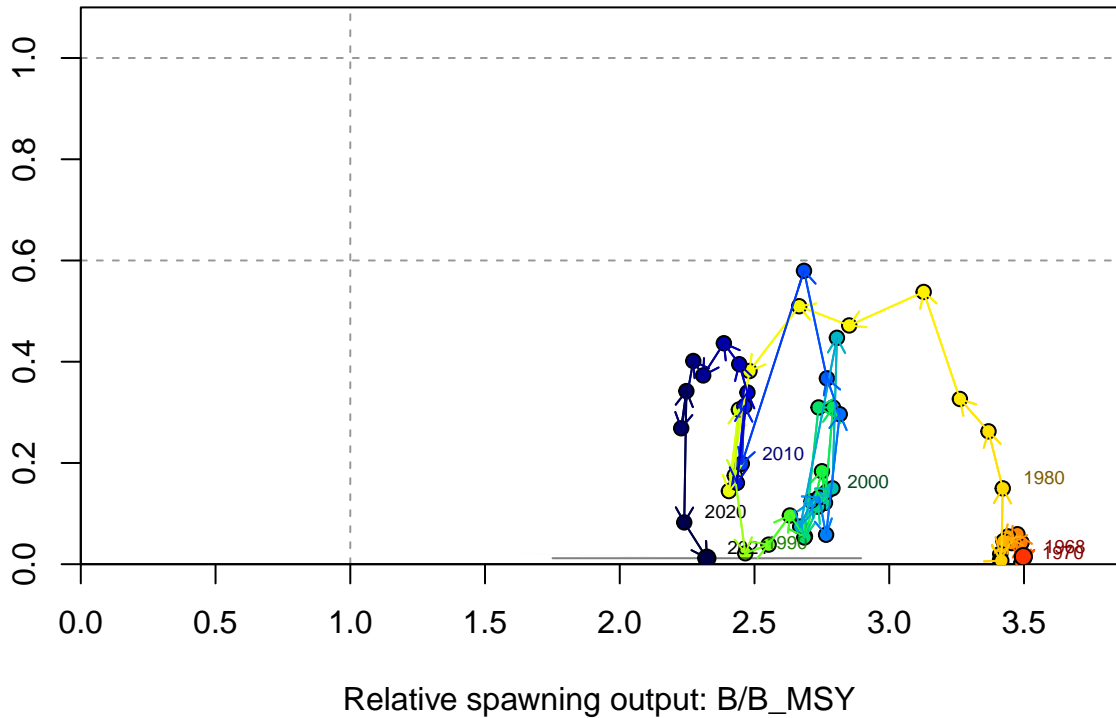
1-SPR



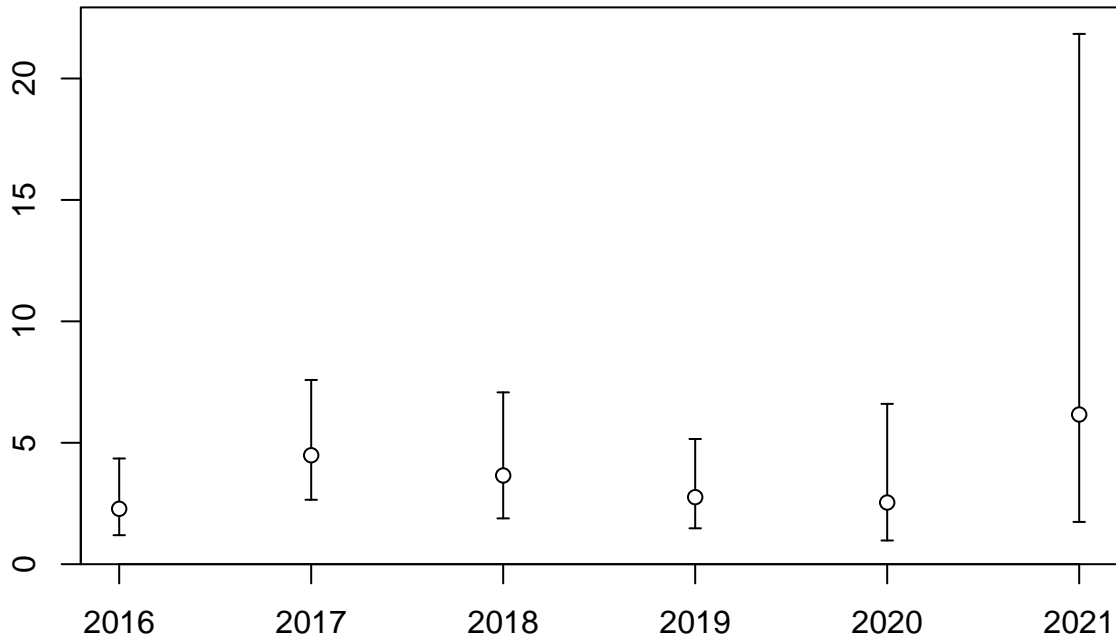
Fishing intensity: 1-SPR



Fishing intensity: 1-SPR

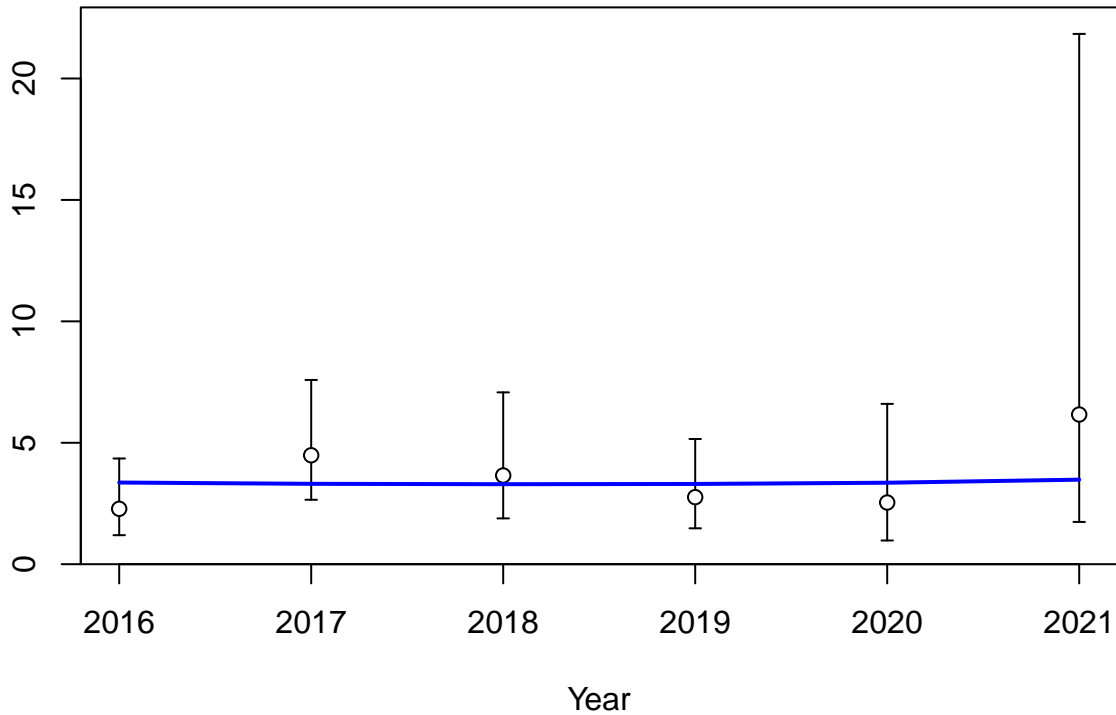


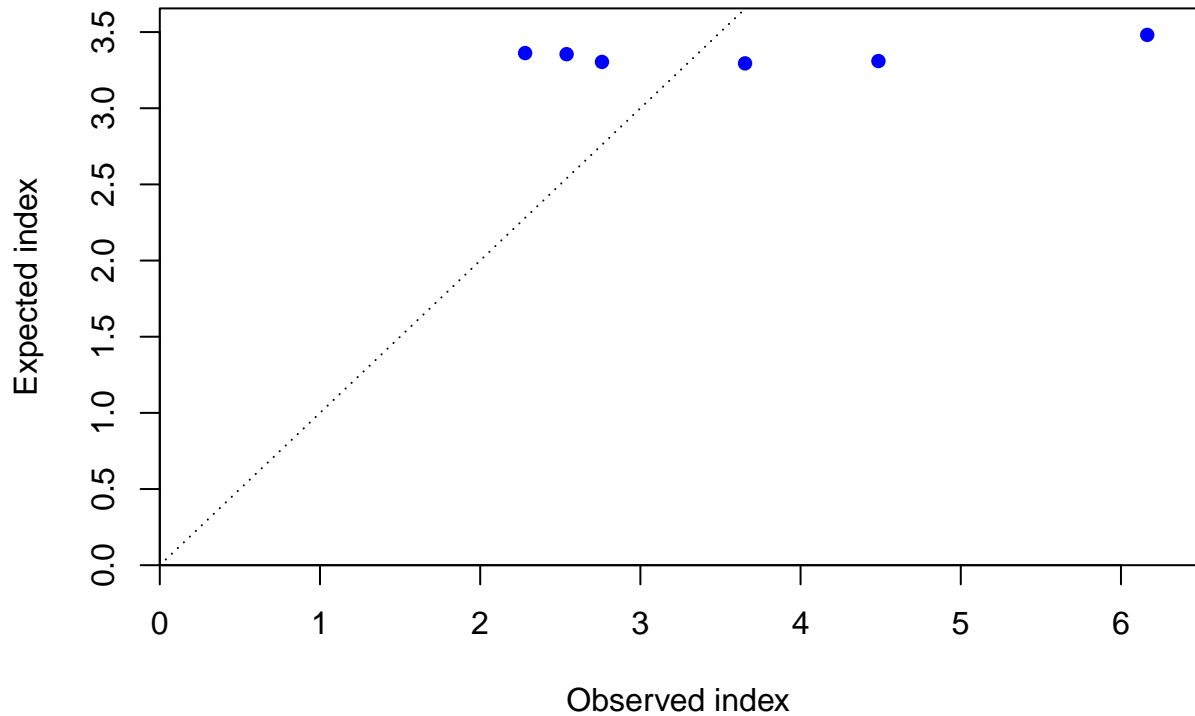
Index



Year

Index





Log index

3.0
2.5
2.0
1.5
1.0
0.5
0.0

2016

2017

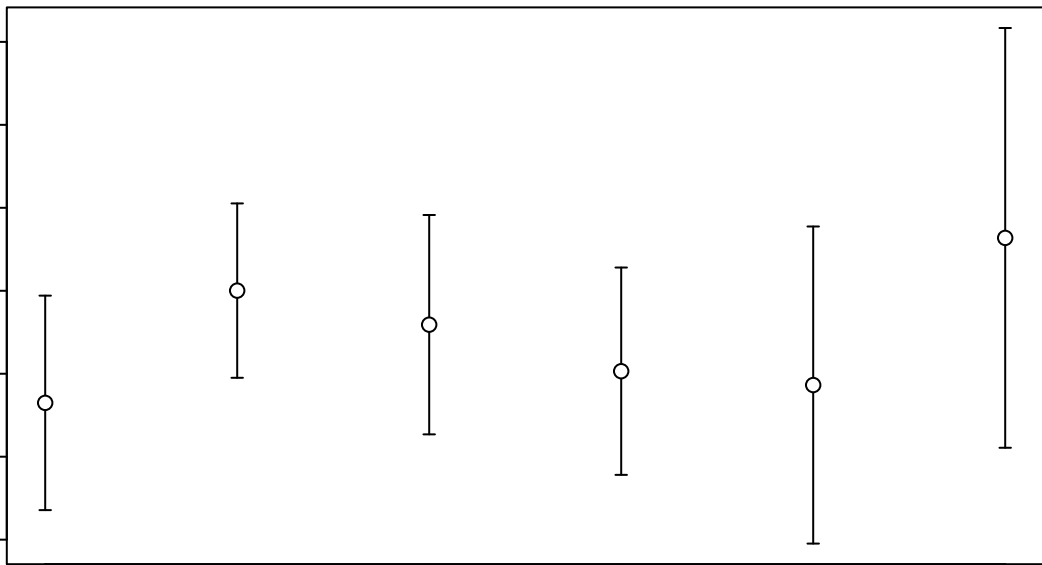
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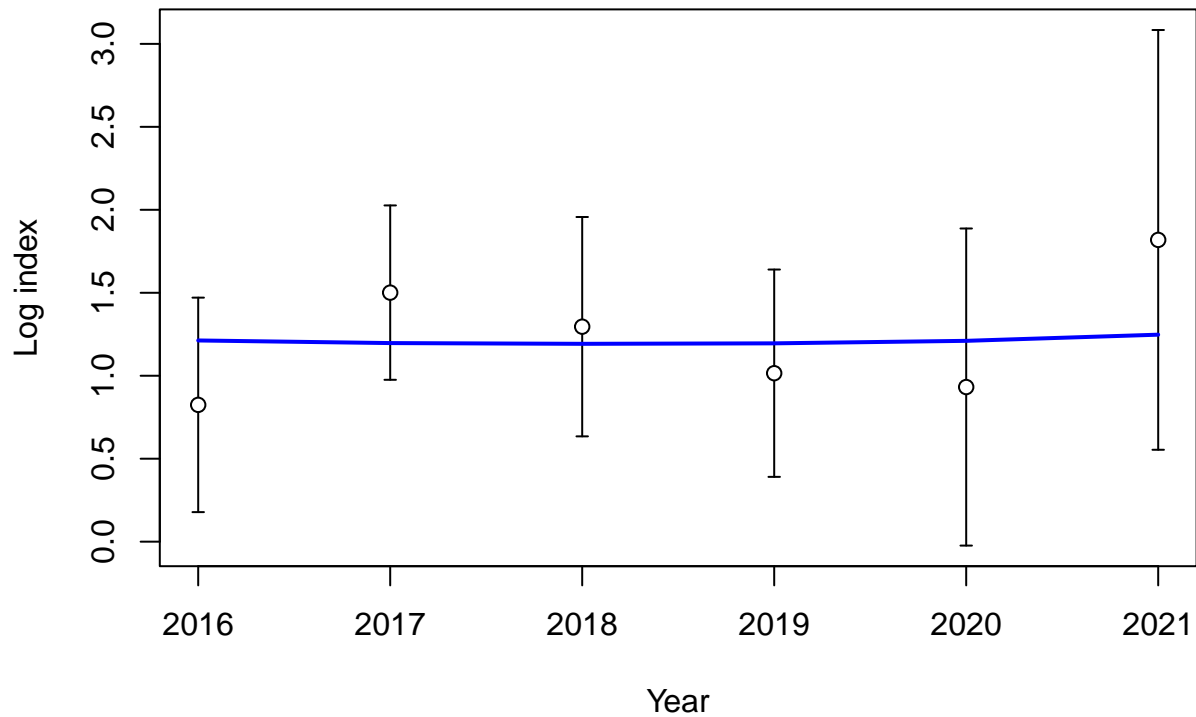
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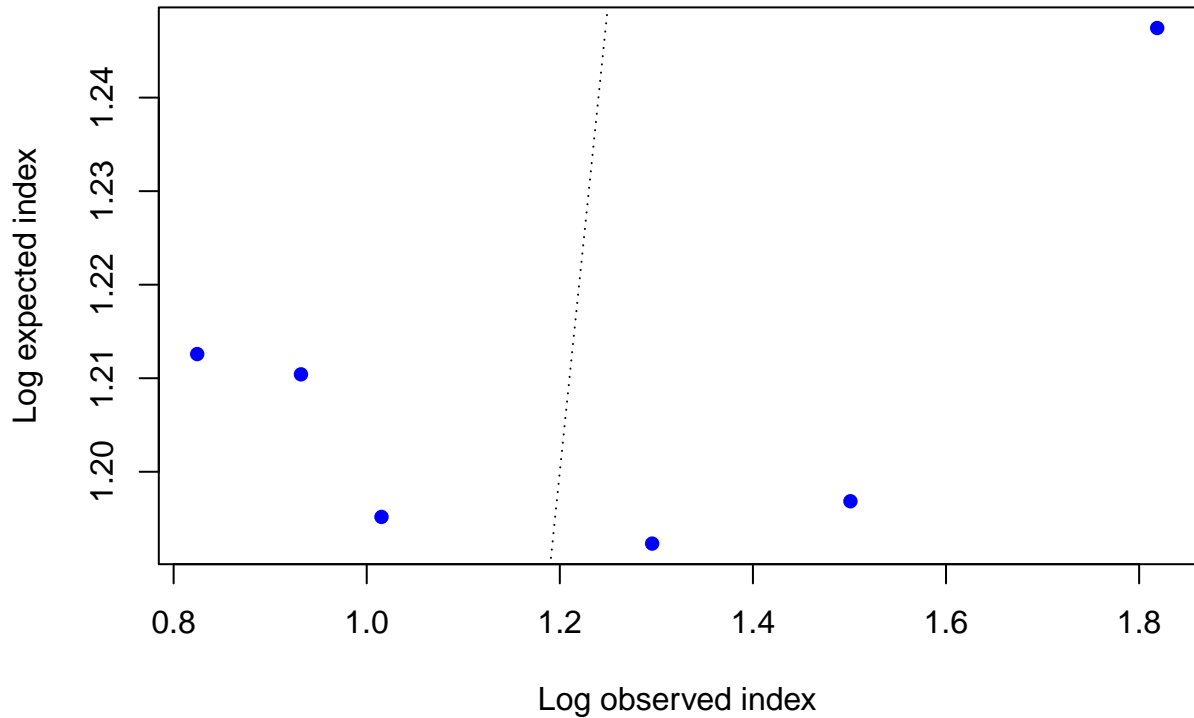
2020

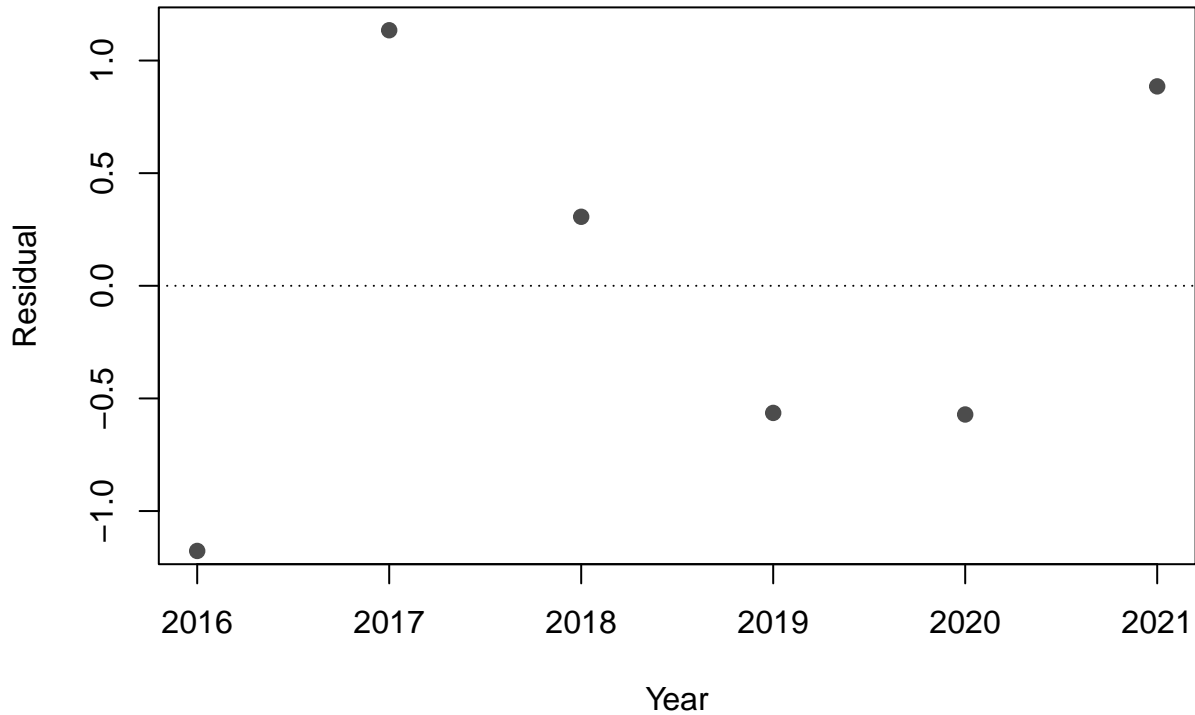
2021

Year









Deviation

0.4
0.2
0.0
-0.2
-0.4

2016

2017

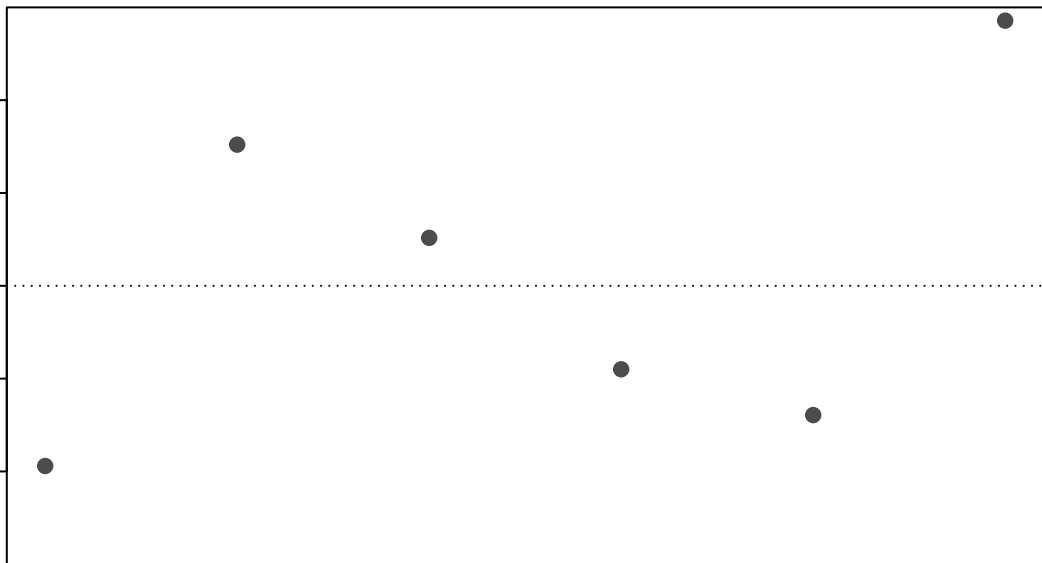
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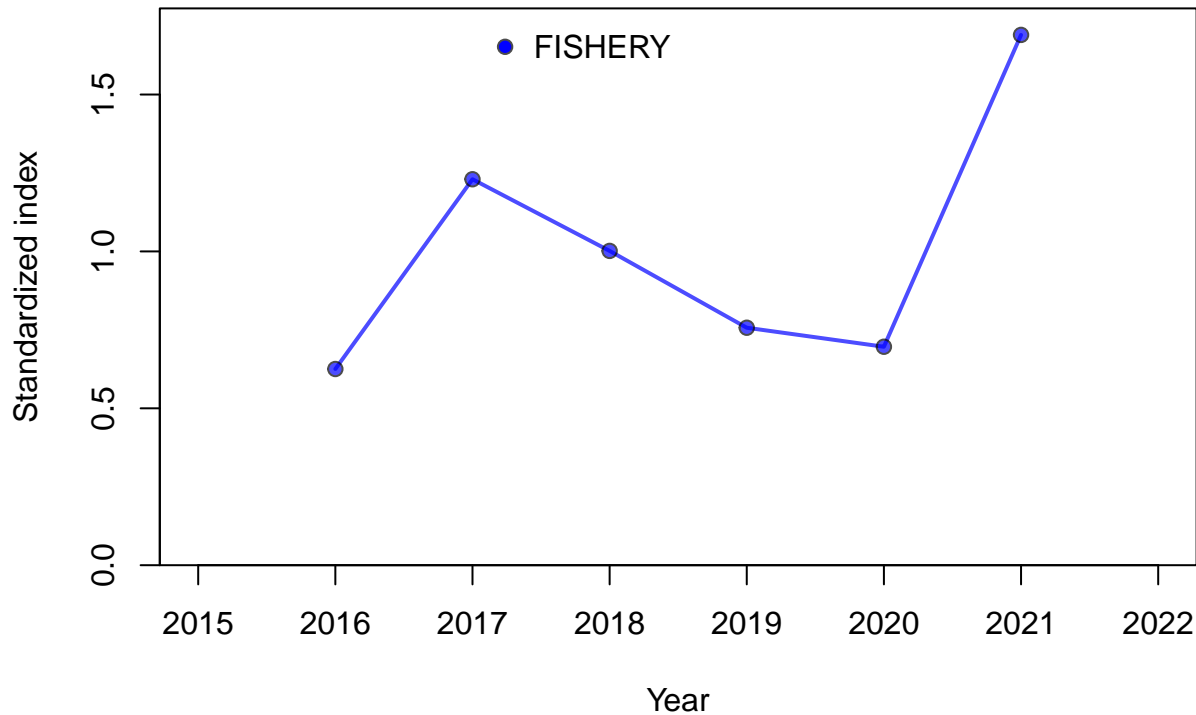
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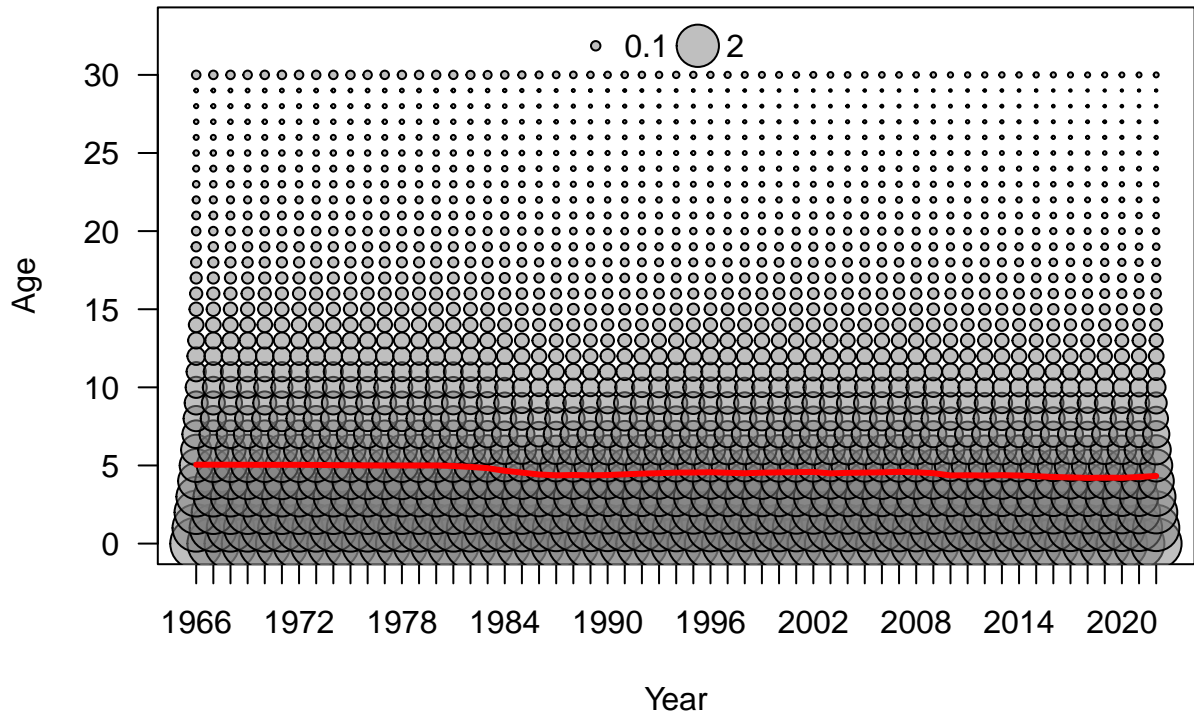
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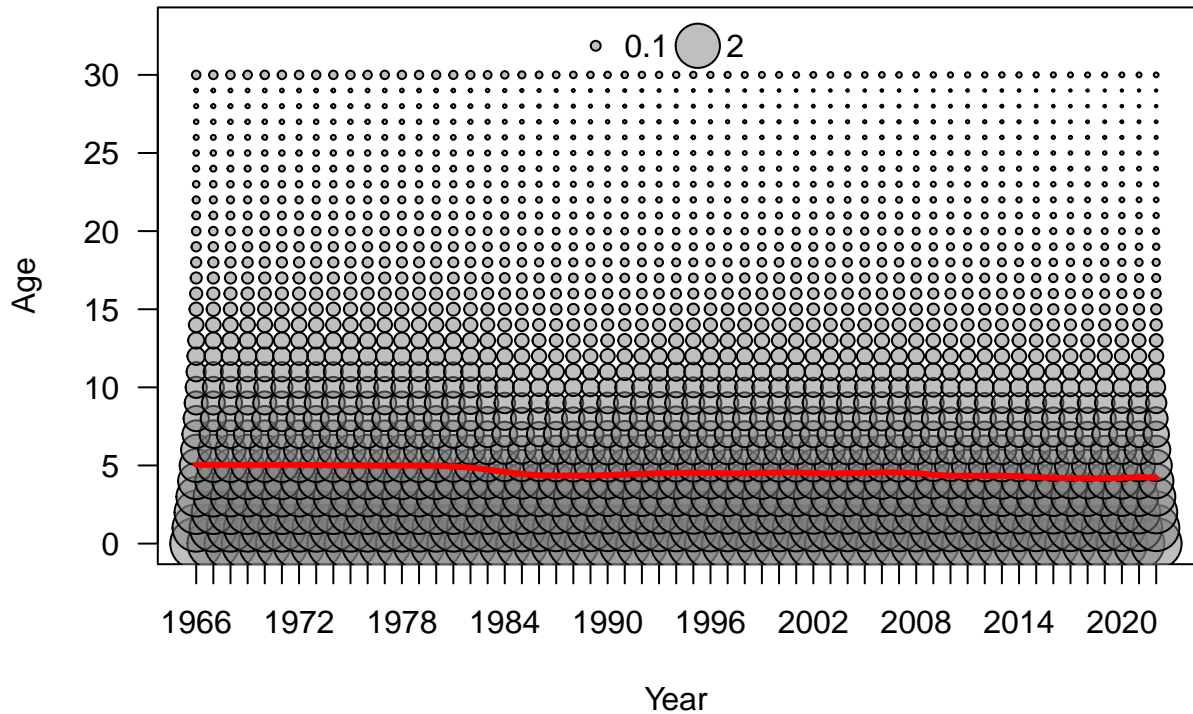
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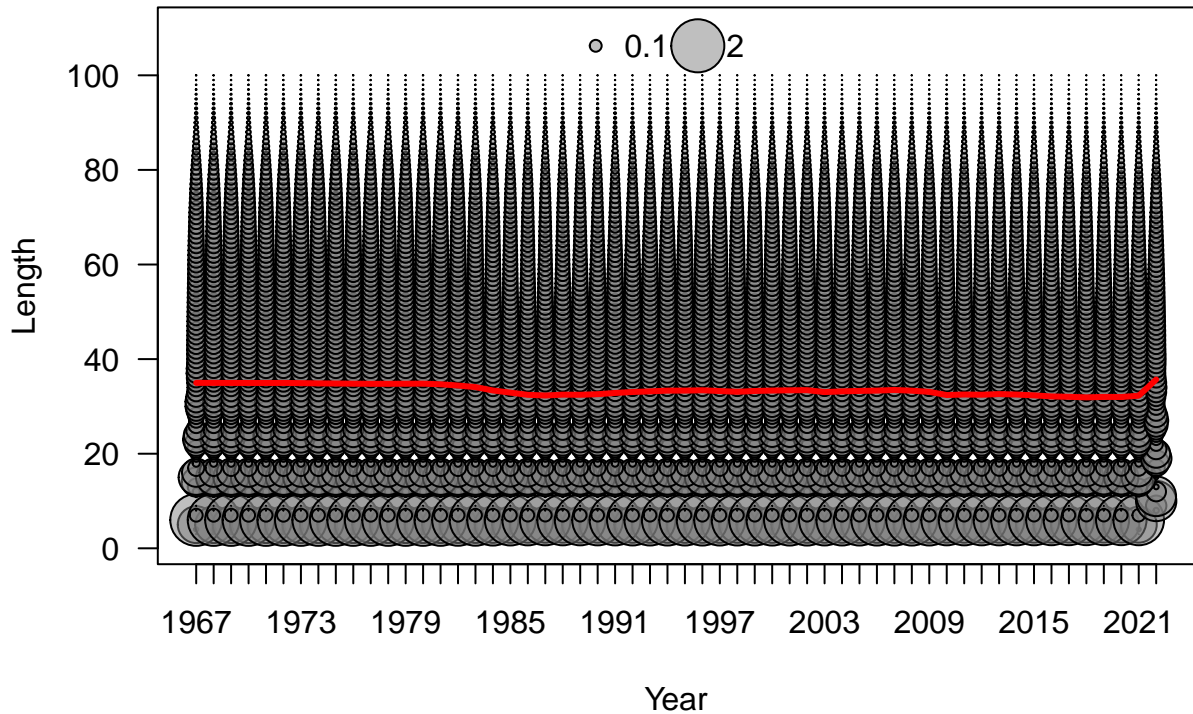
Year

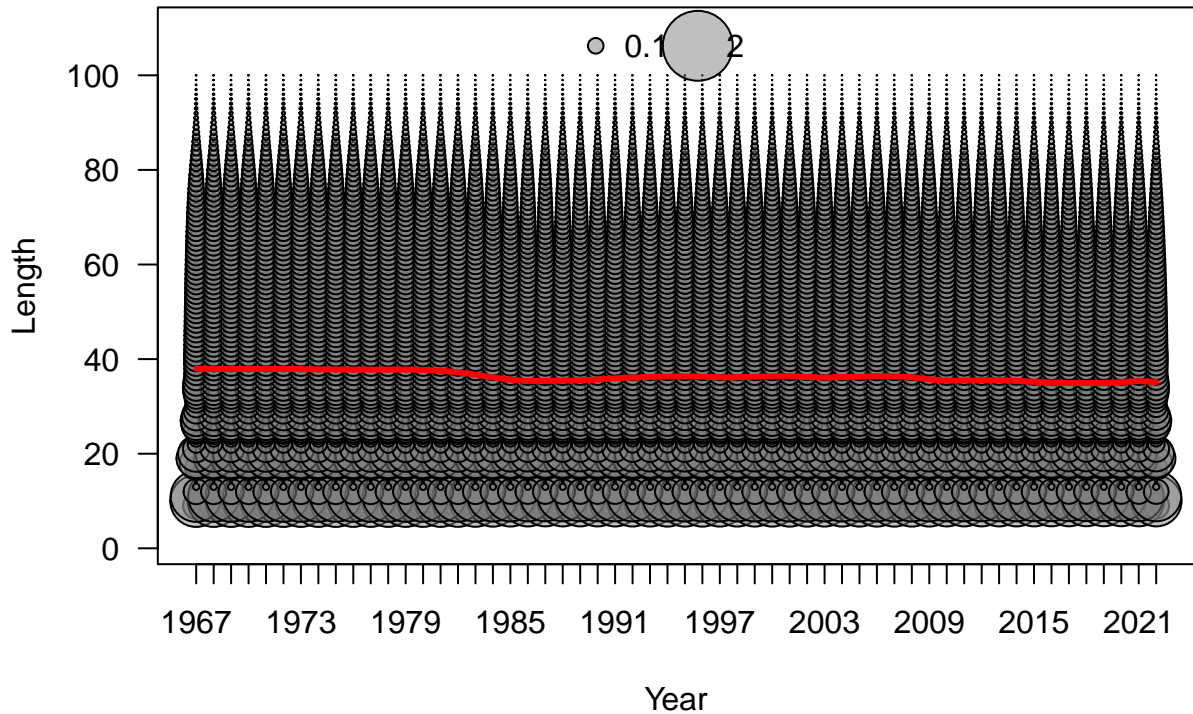


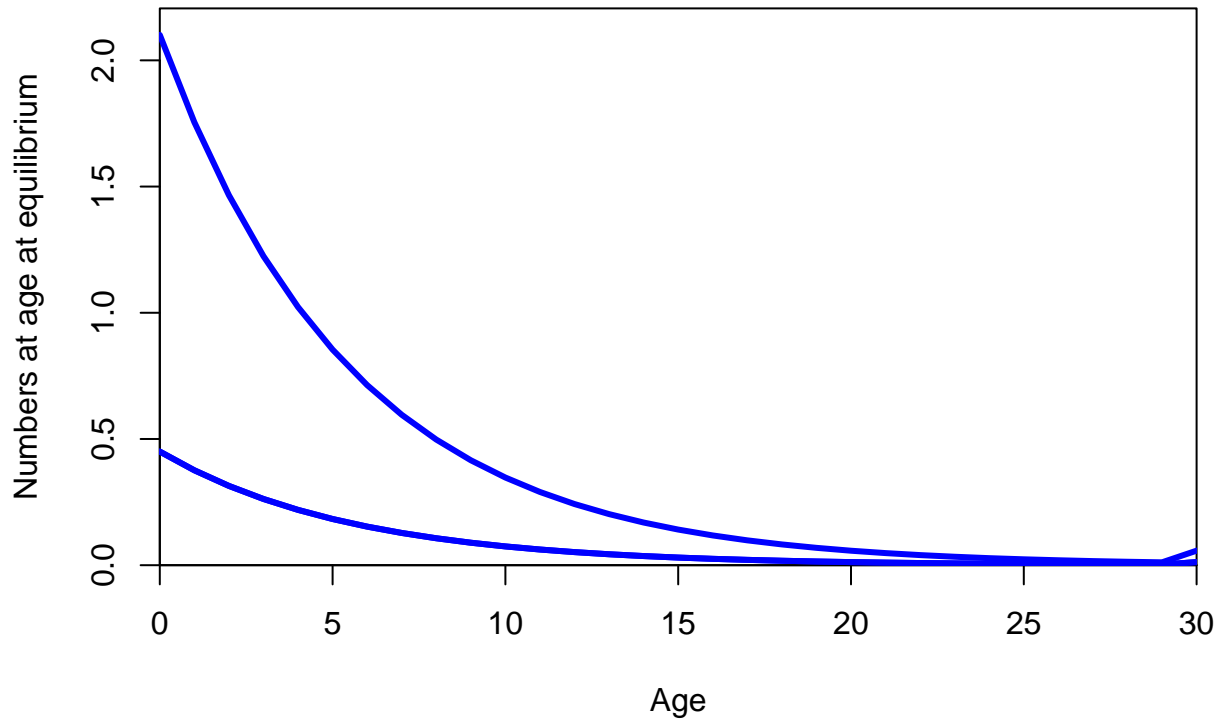






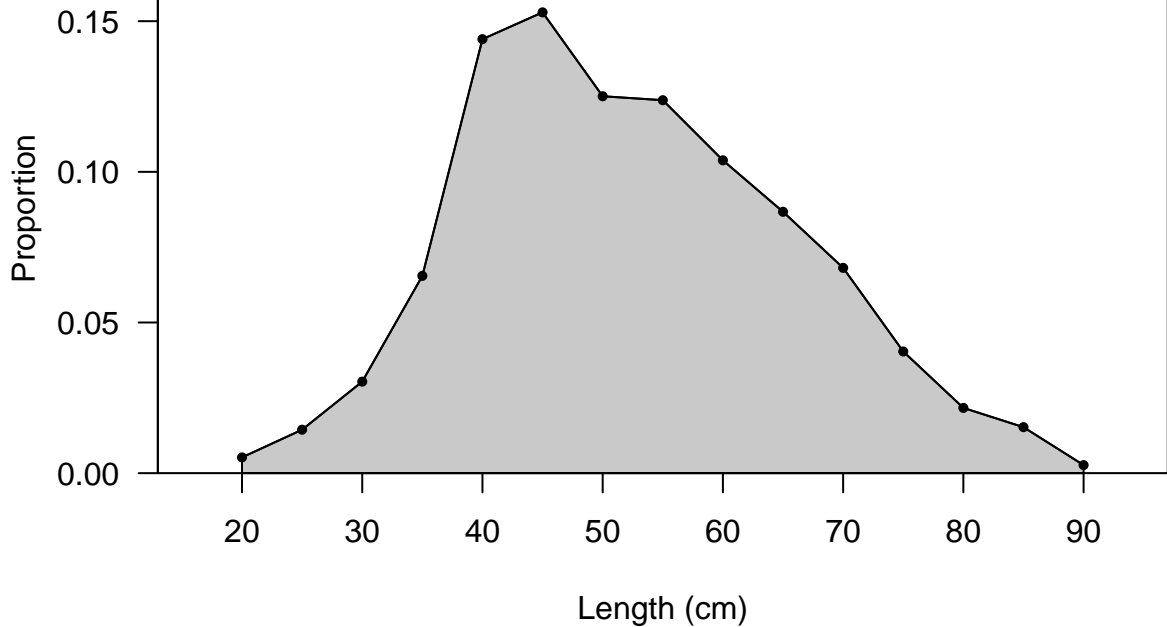


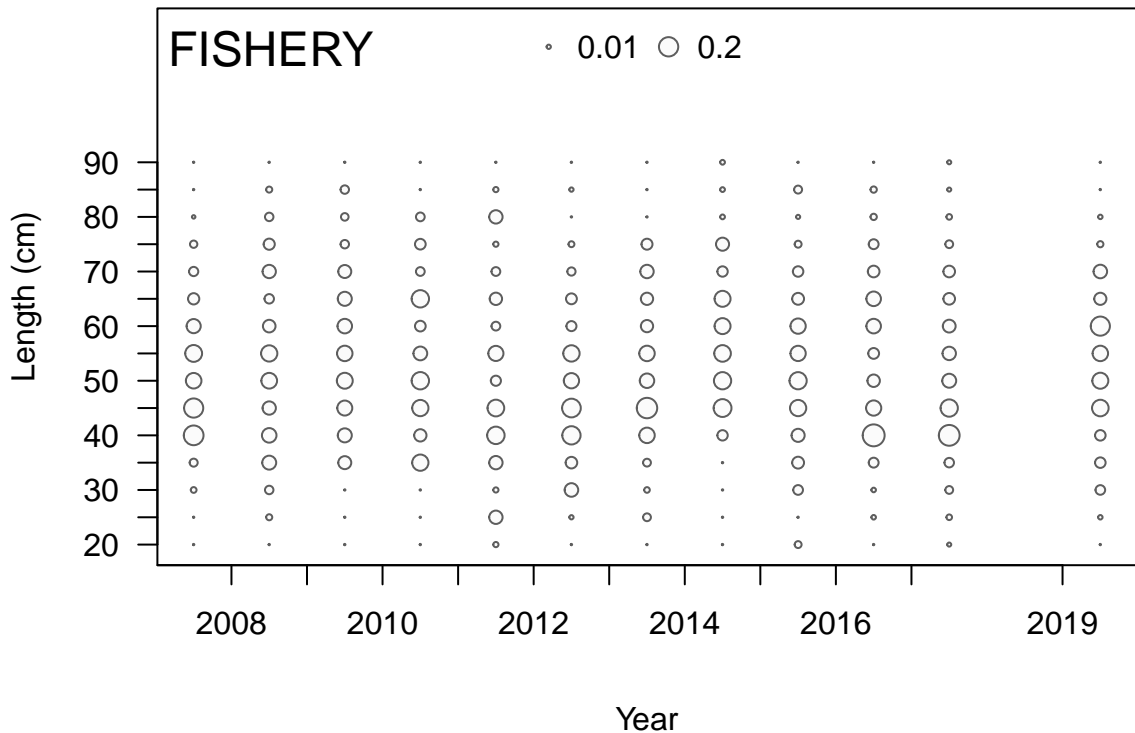




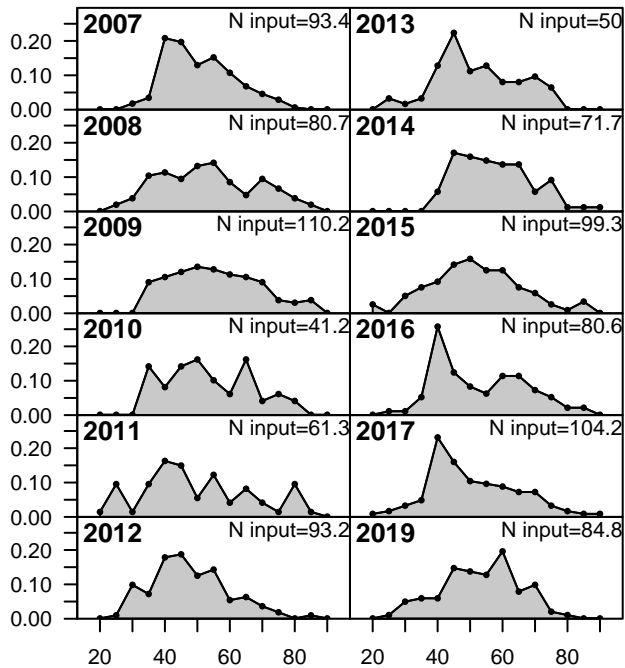
FISHERY

Sum of N input=970.8

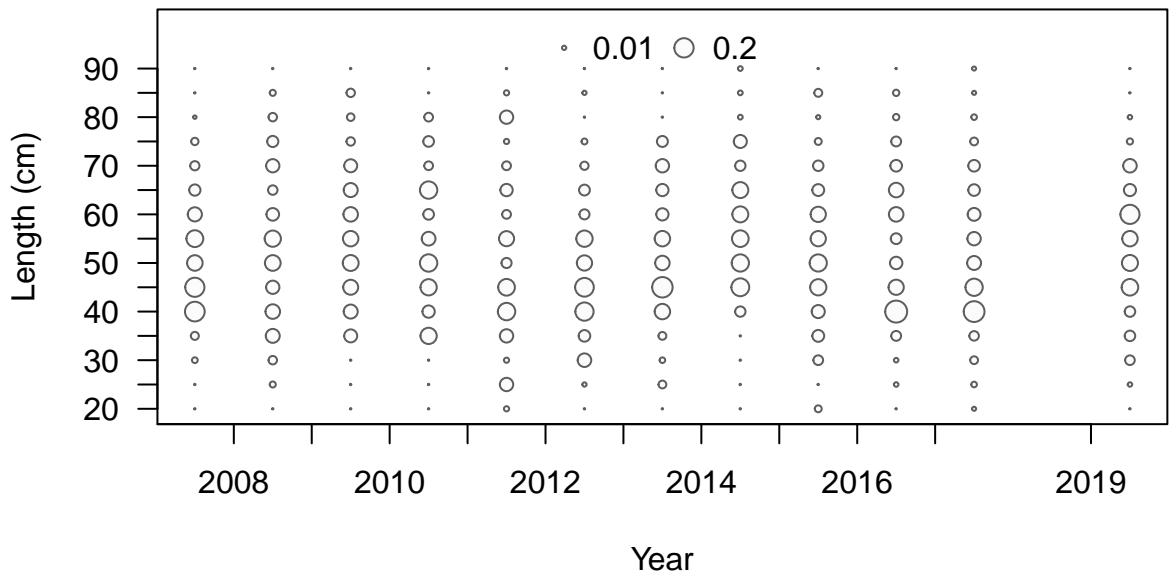




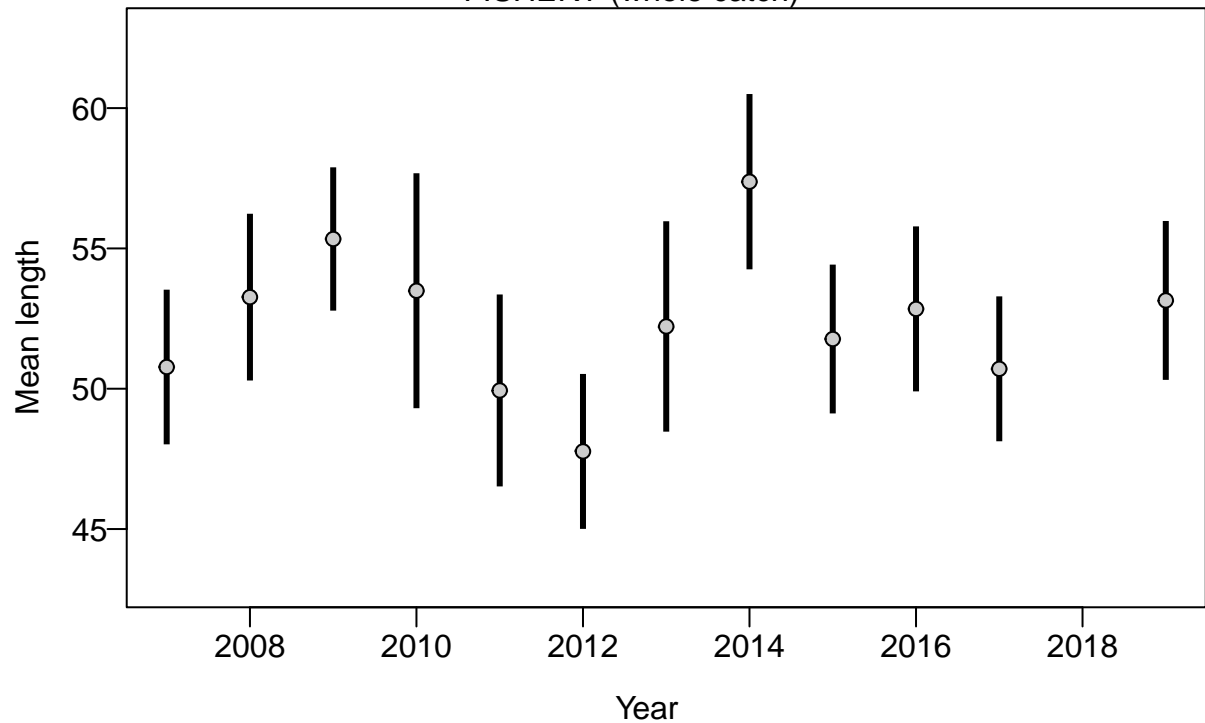
Proportion



Length (cm)

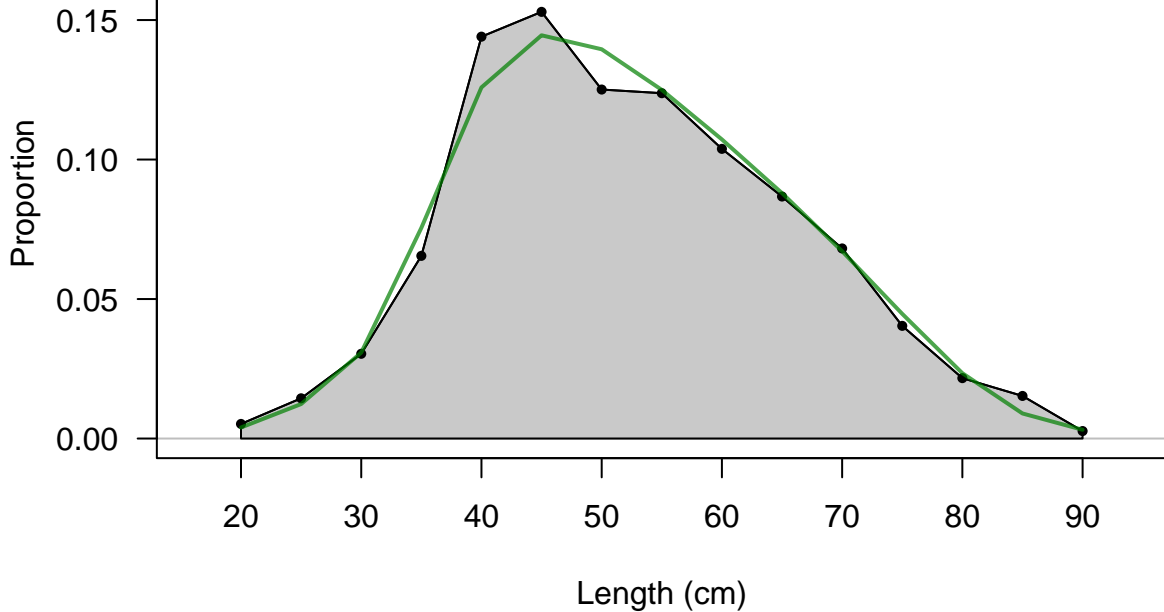


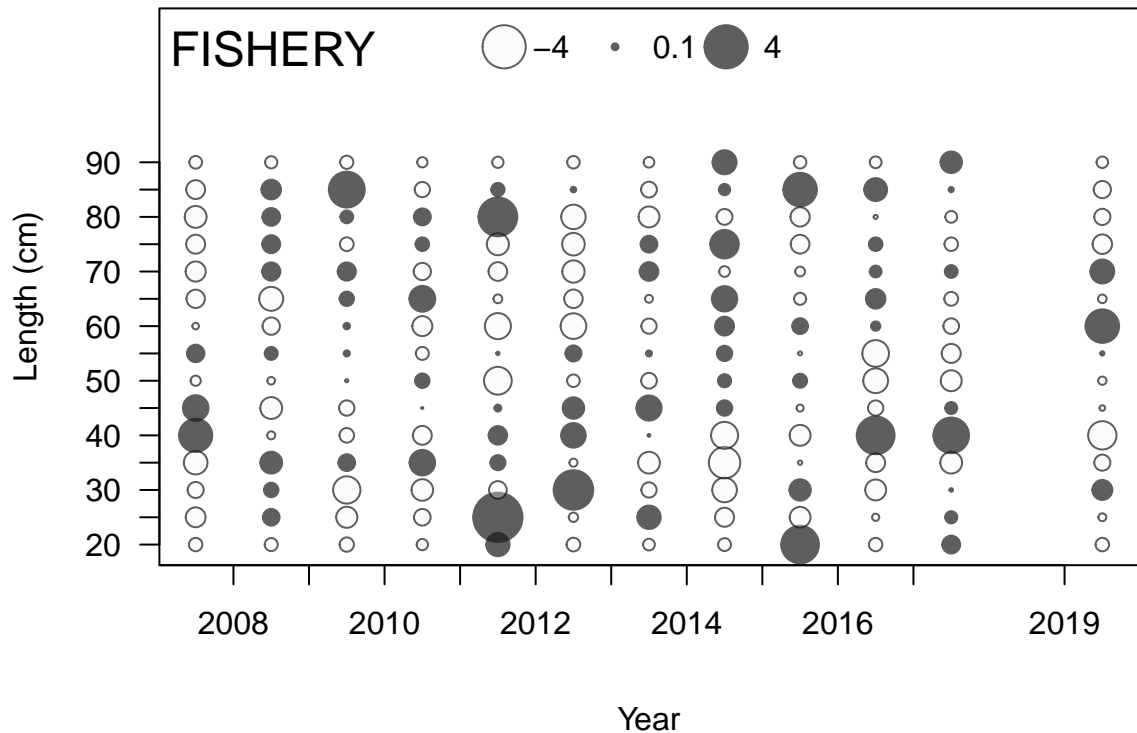
FISHERY (whole catch)



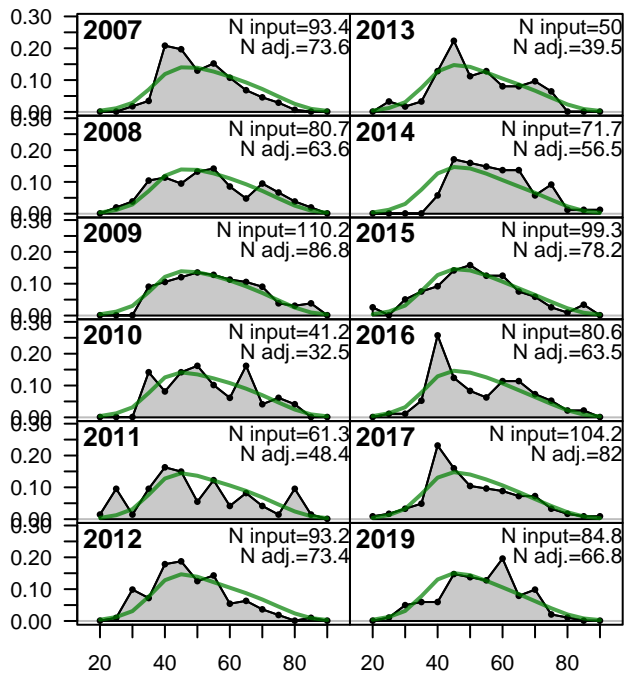
FISHERY

Sum of N input=970.8
Sum of N adj.=765

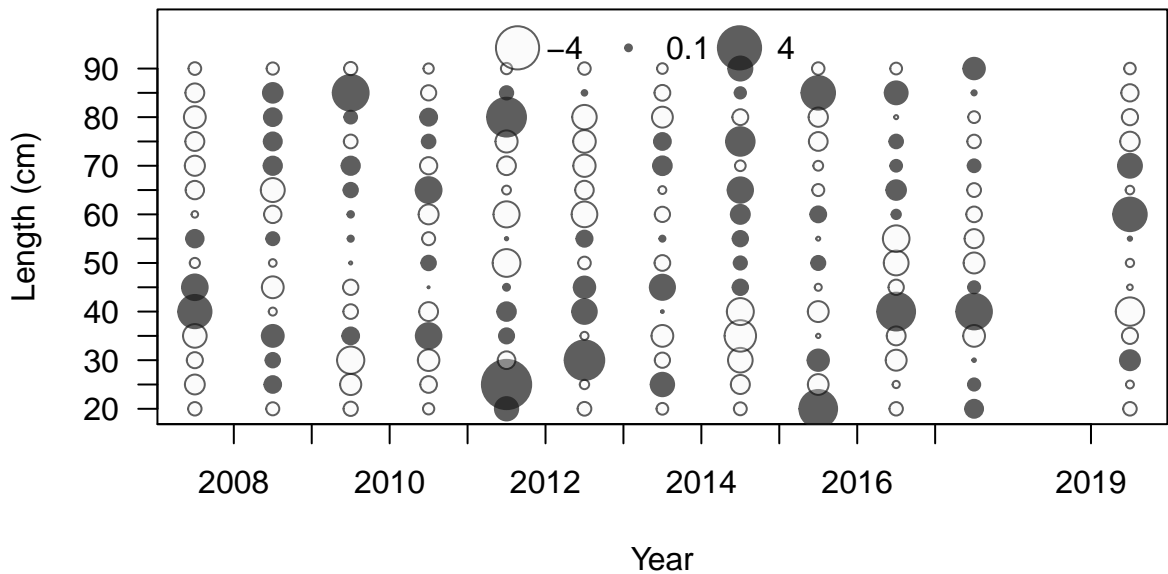




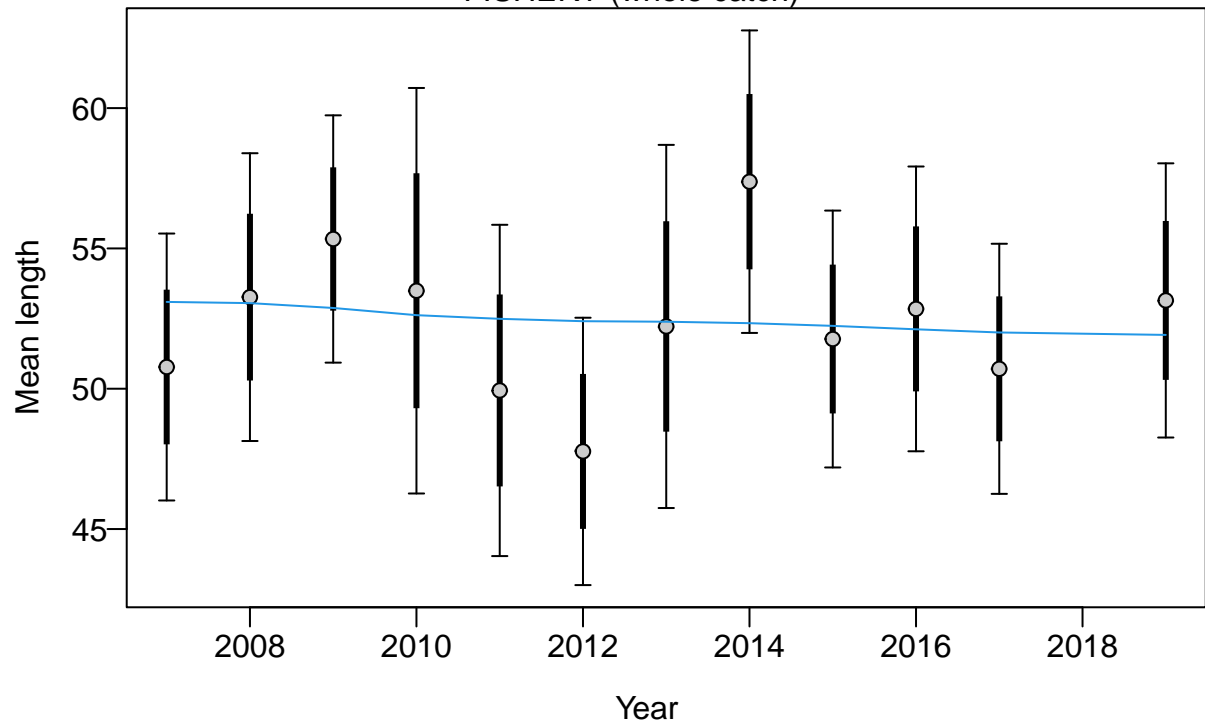
Proportion

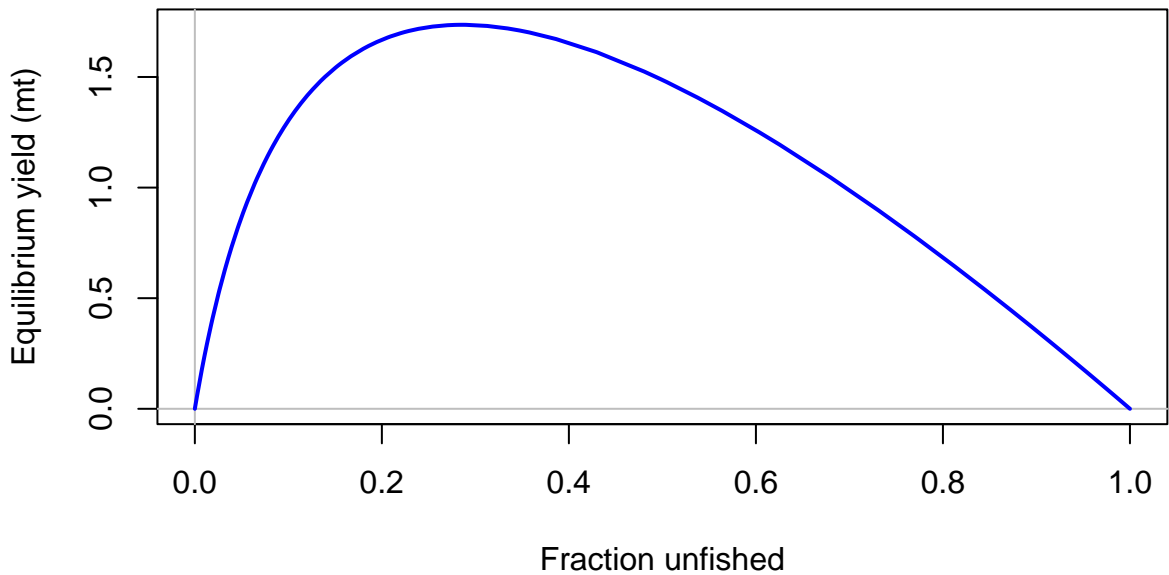


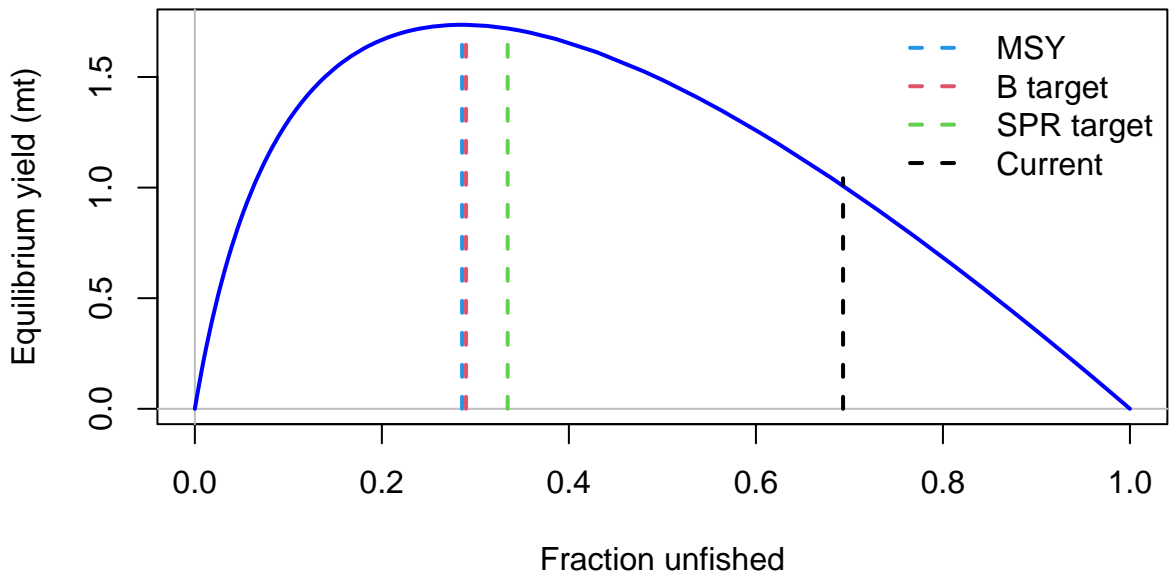
Length (cm)

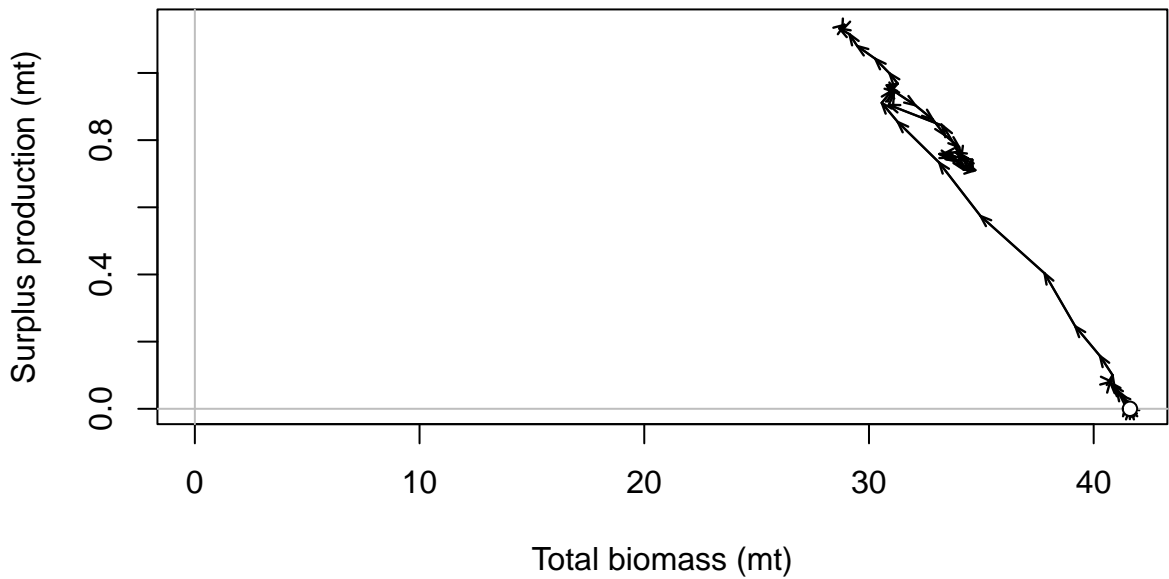


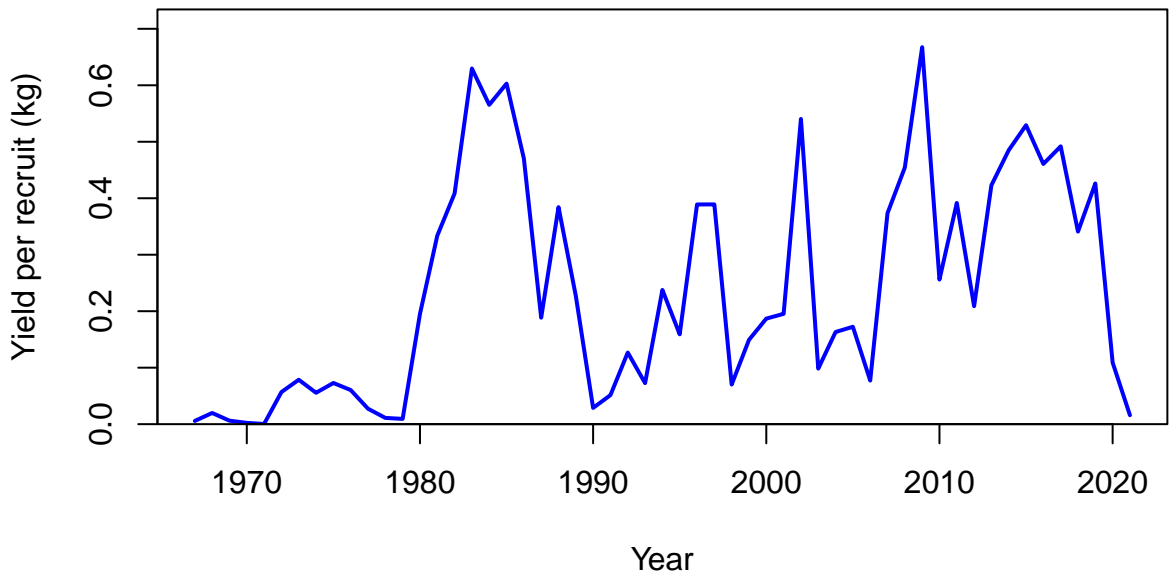
FISHERY (whole catch)

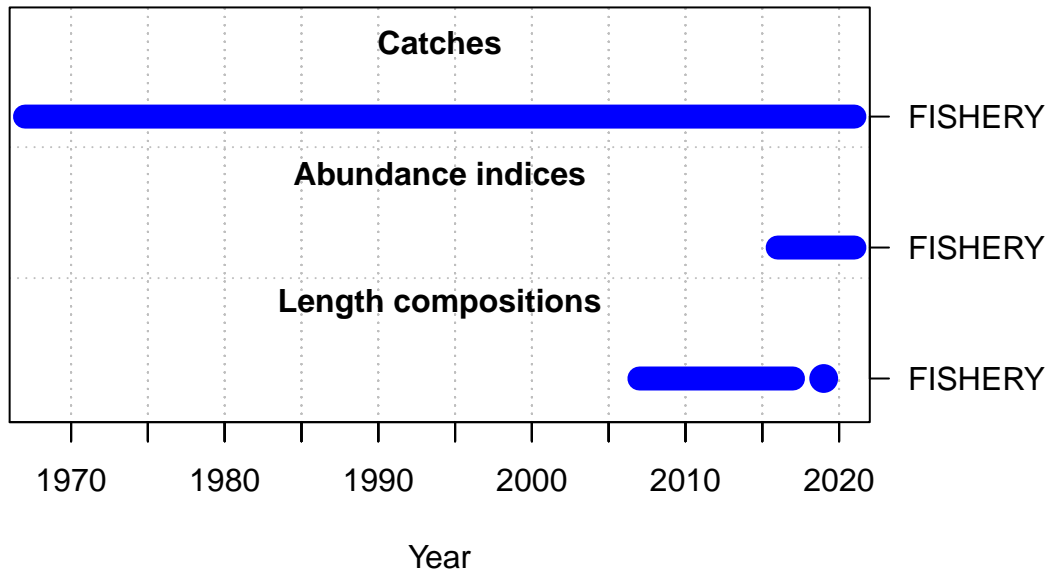


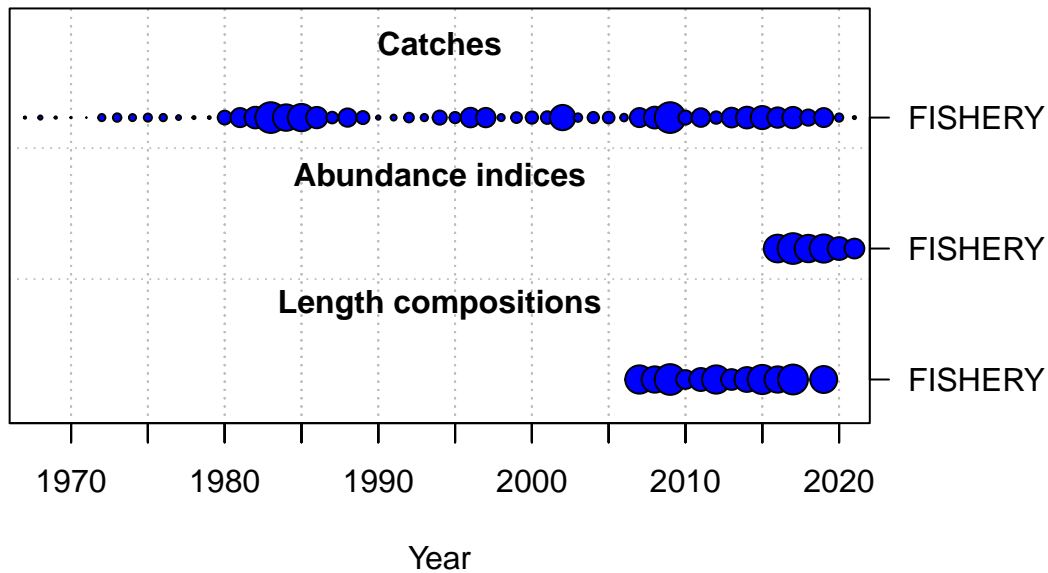




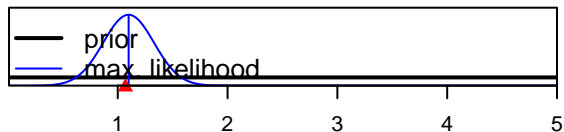




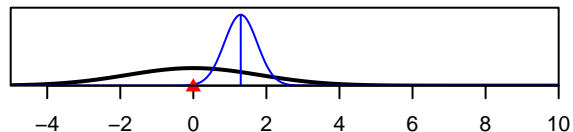




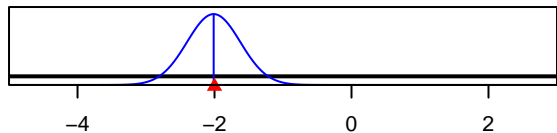
SR_LN(R0)



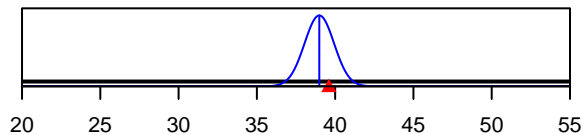
ln(DM_theta)_1



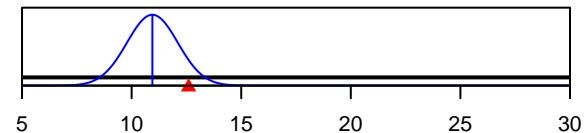
LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Density

Parameter value