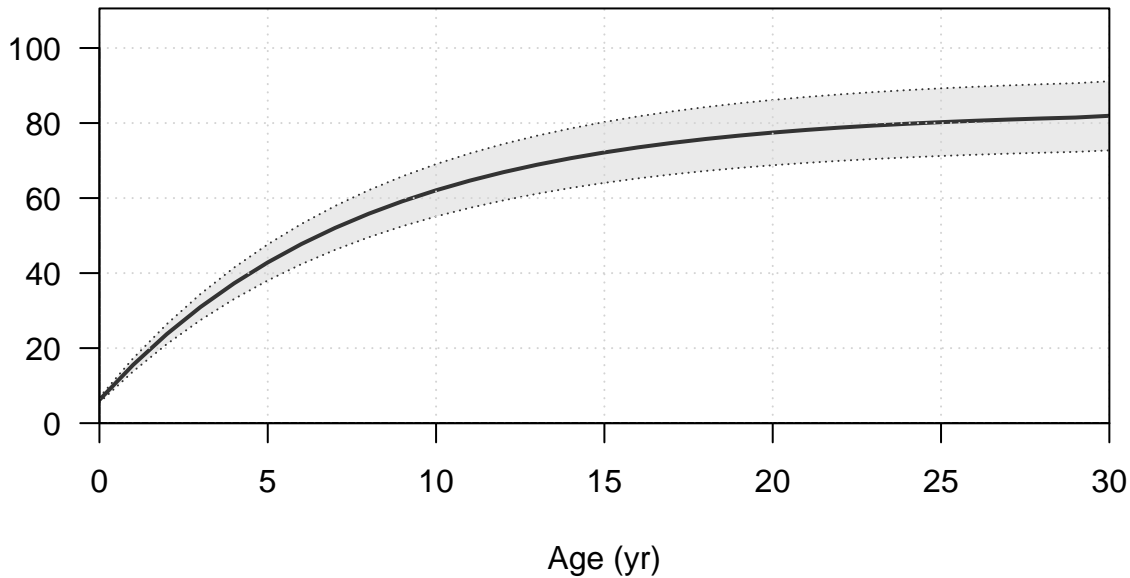
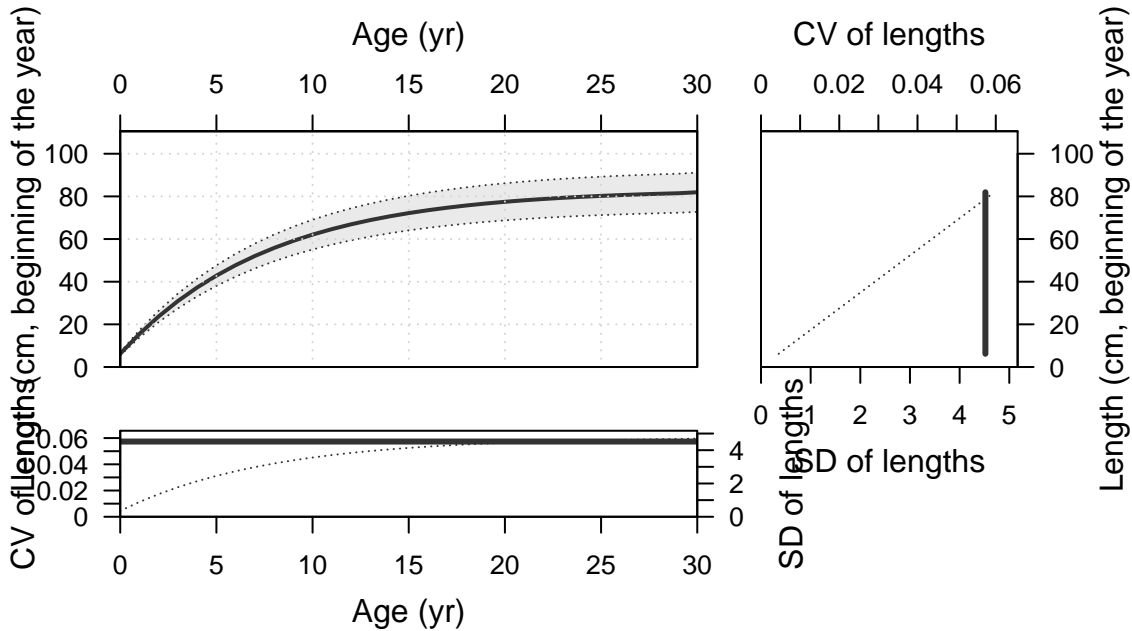
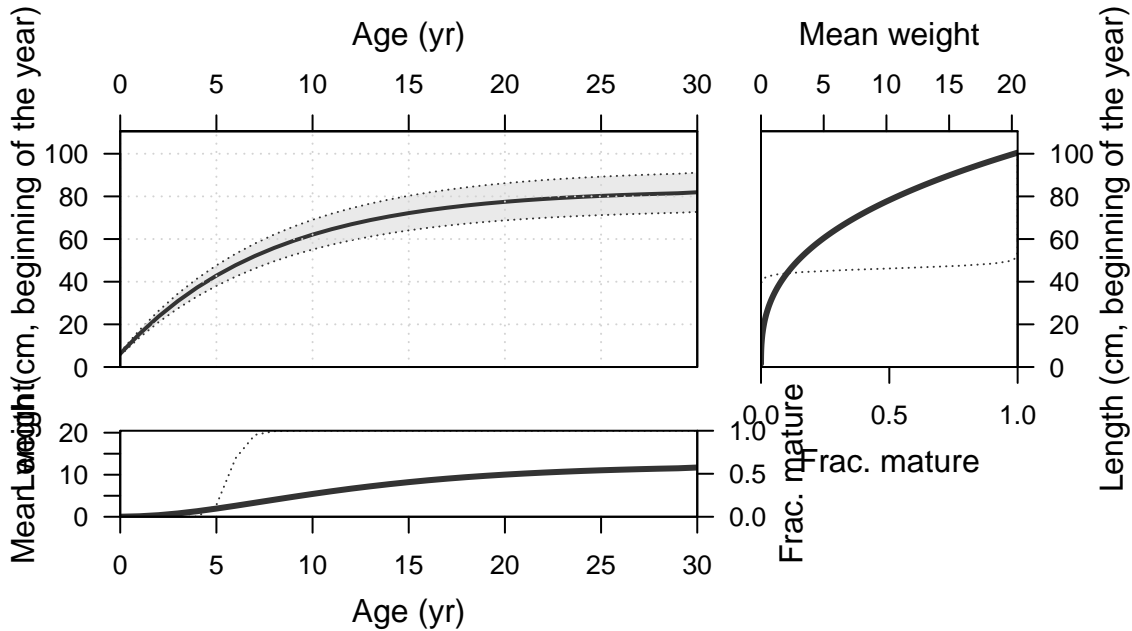


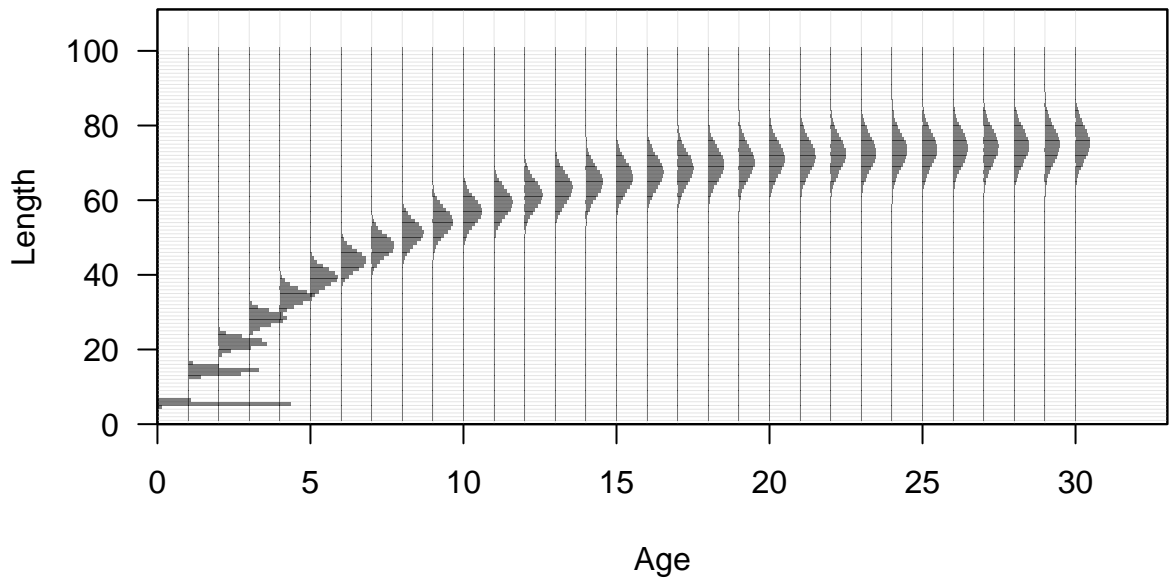
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Sat Feb 18 11:05:08 2023
Data_File: data.ss
Control_File: control.ss

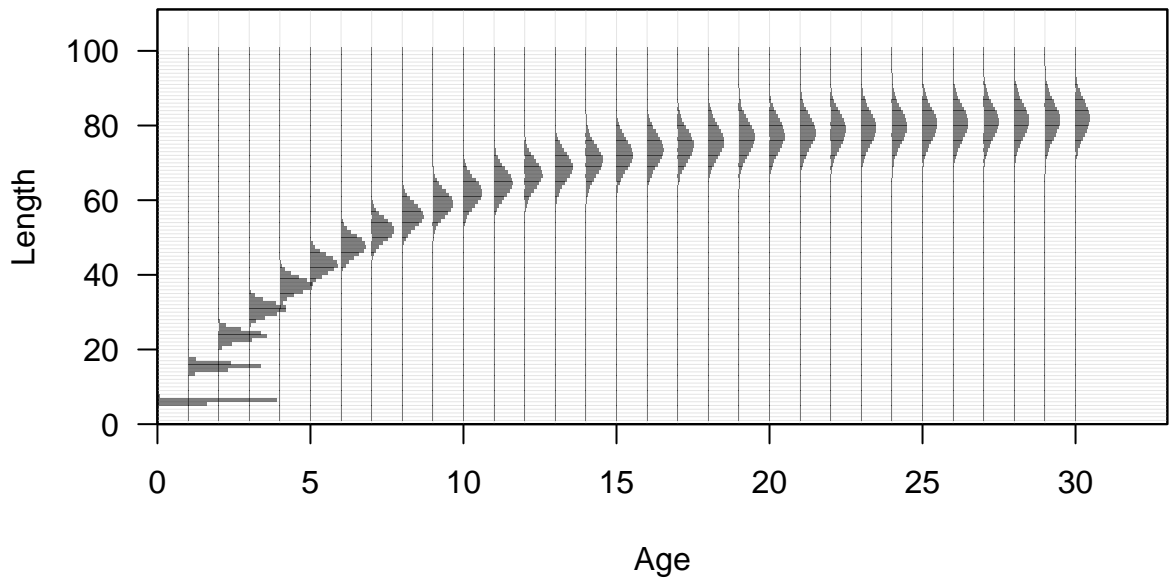
Length (cm, beginning of the year)

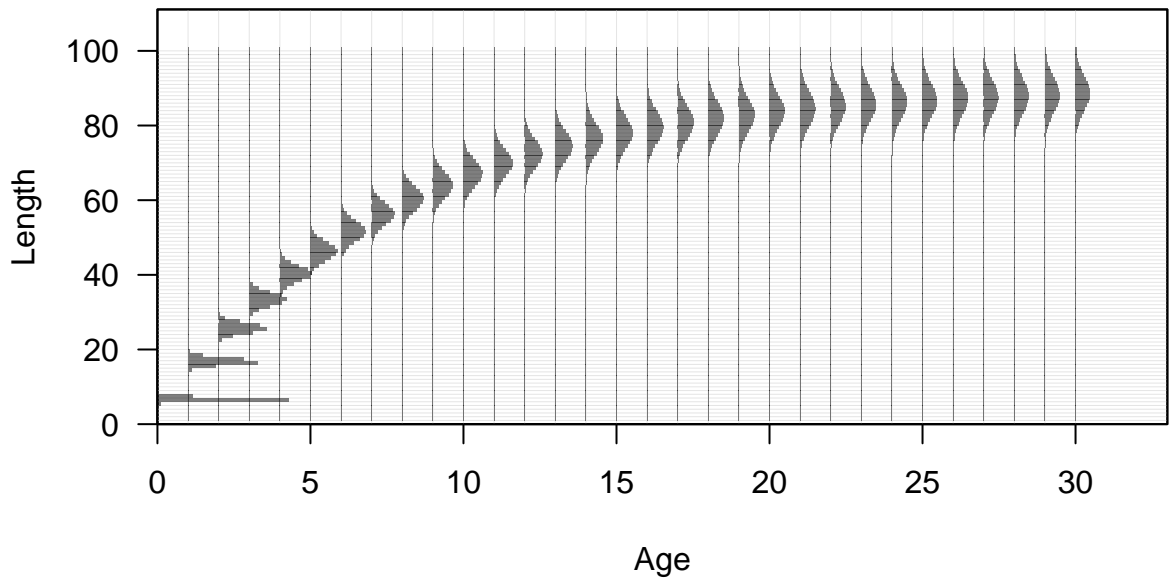


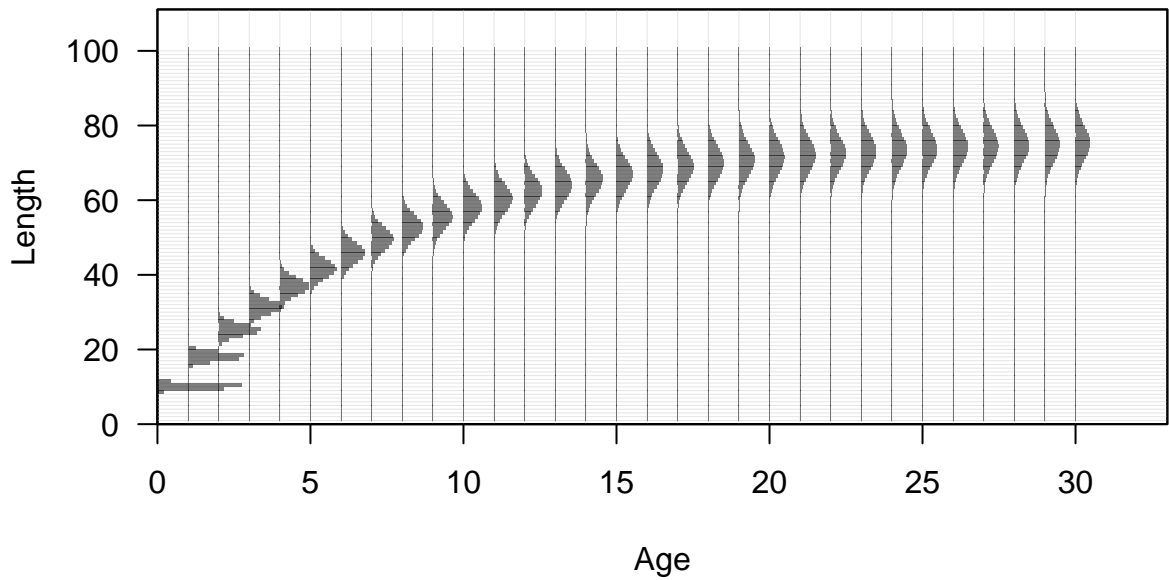


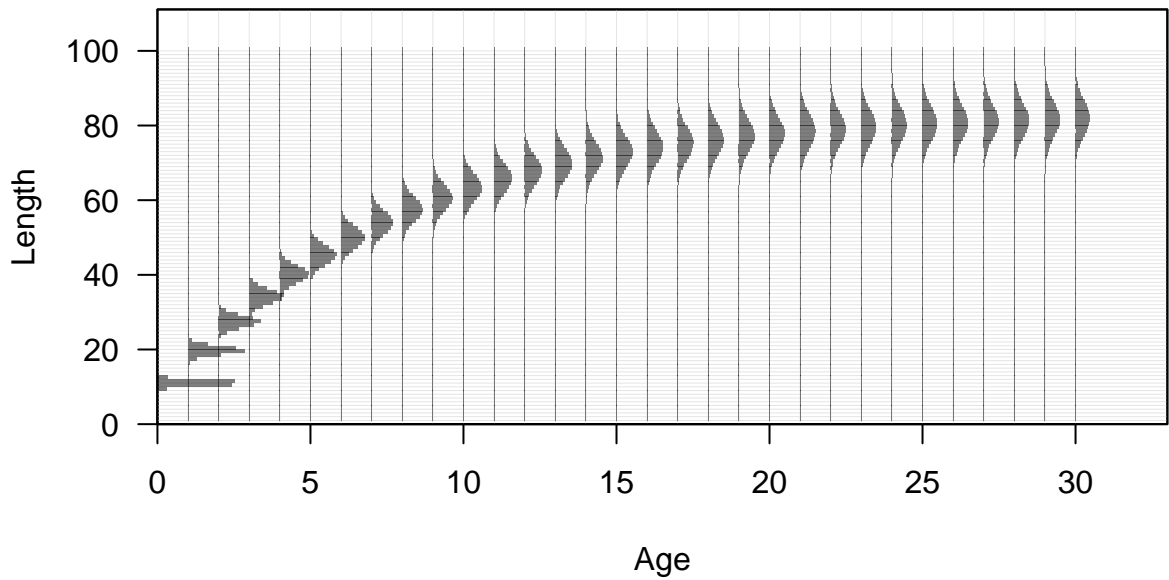


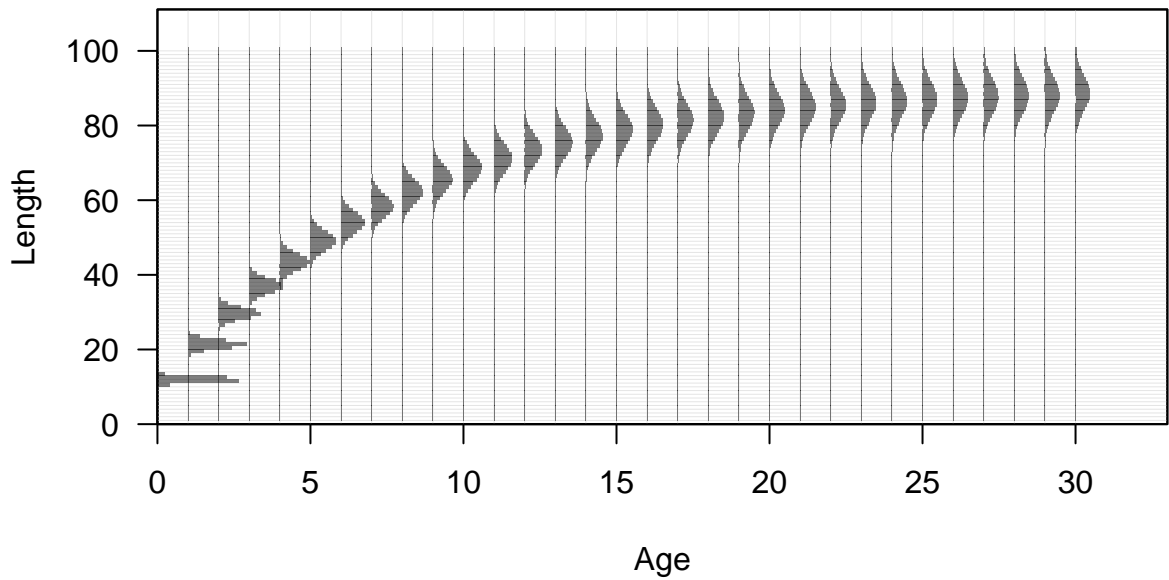




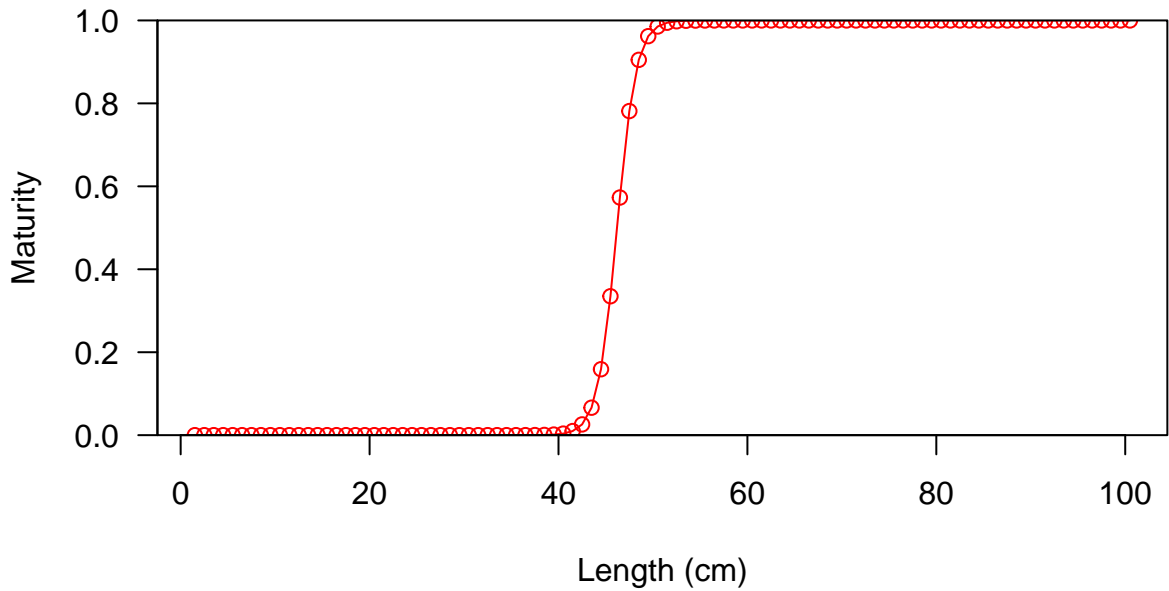


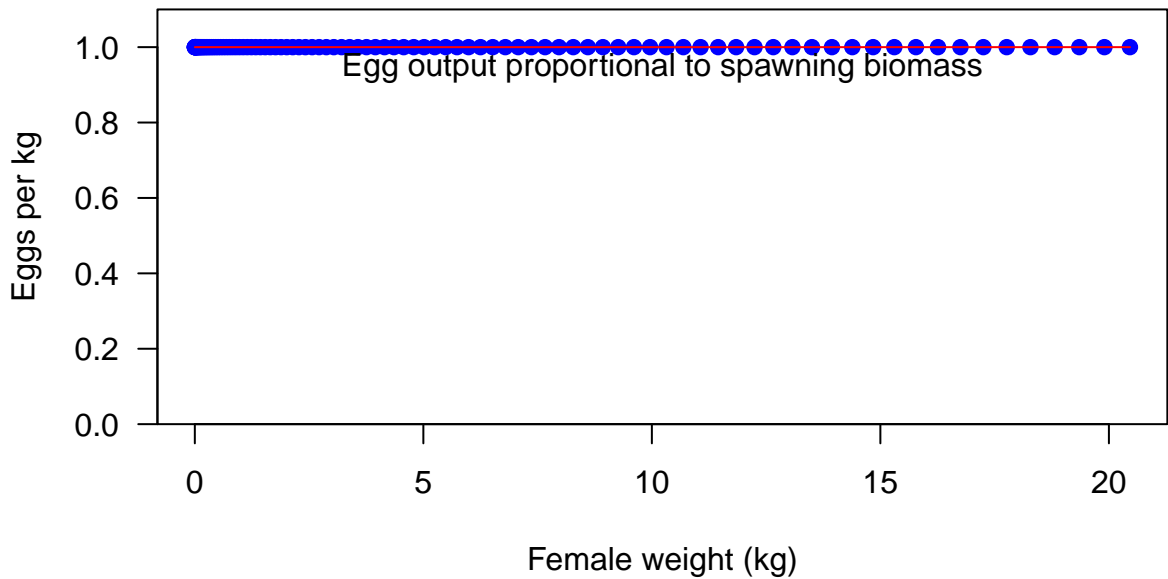




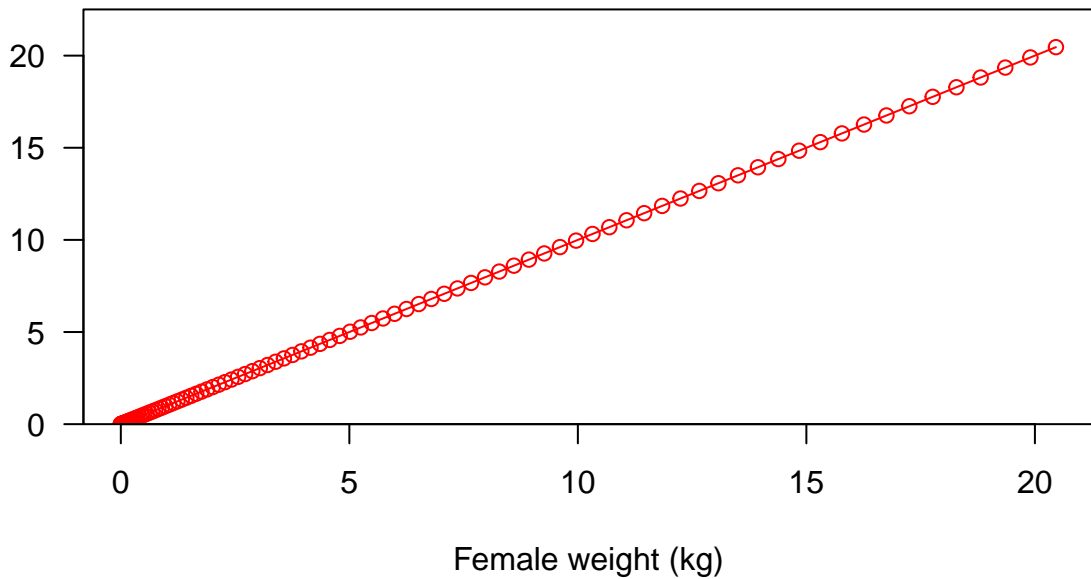








Fecundity



Fecundity

20

15

10

5

0

0

20

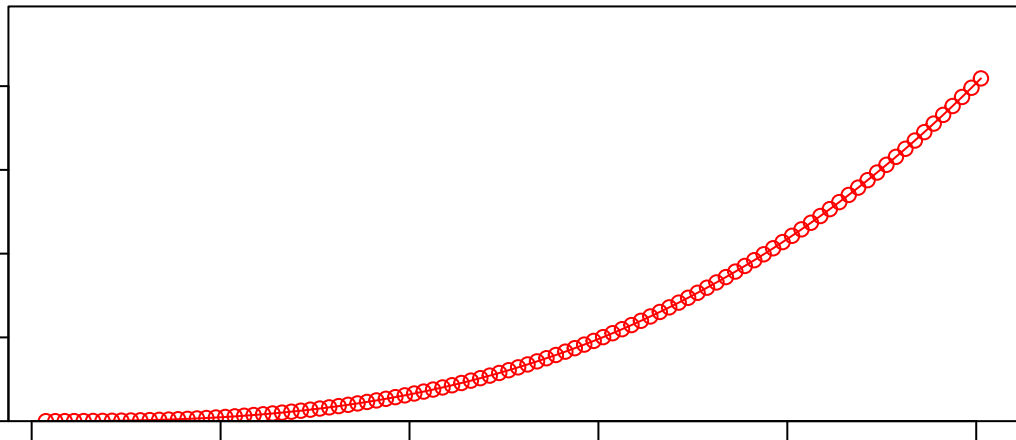
40

60

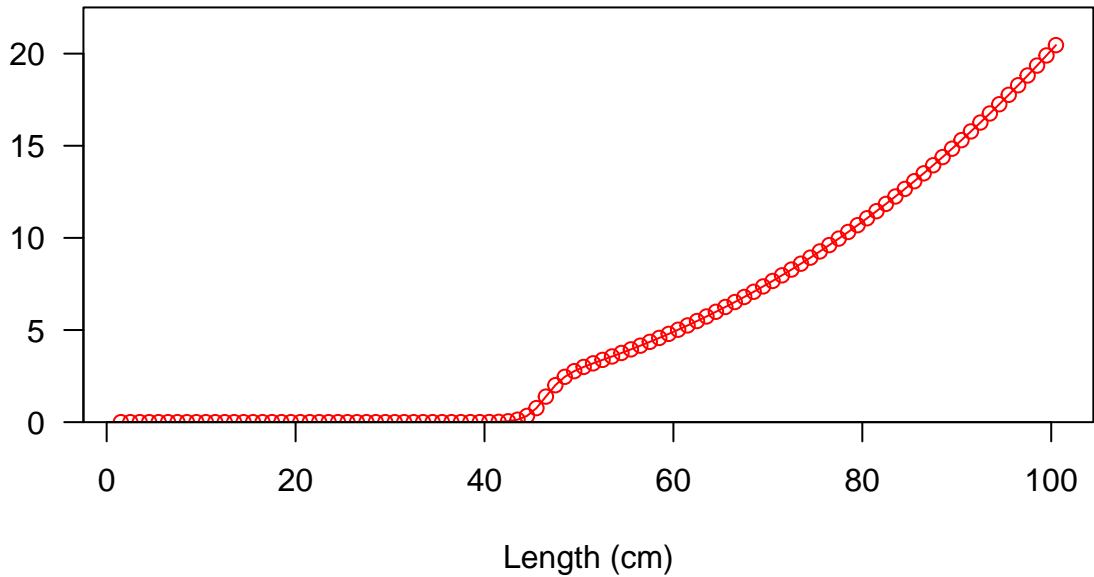
80

100

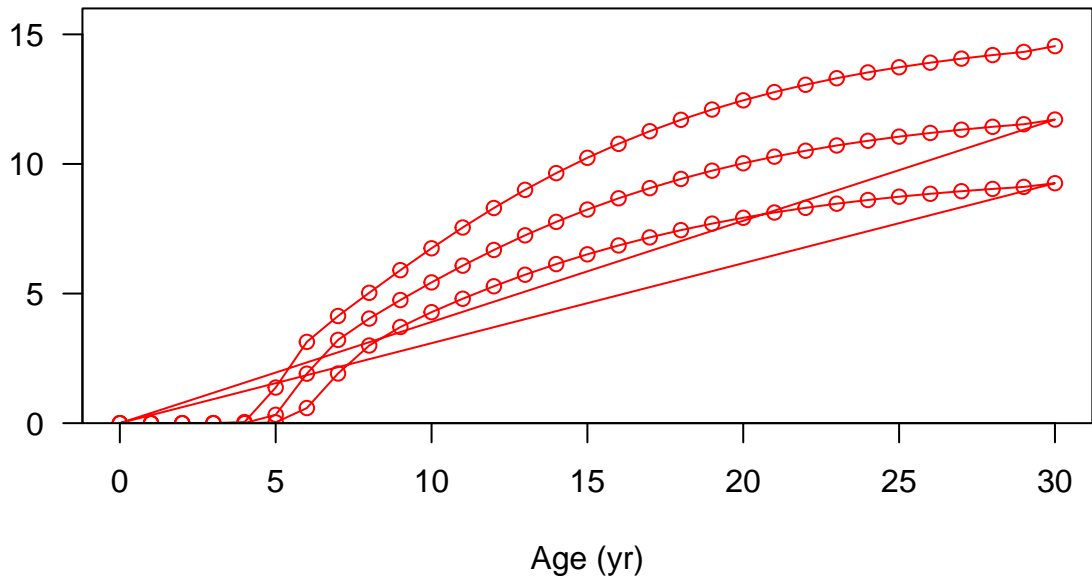
Female length (cm)



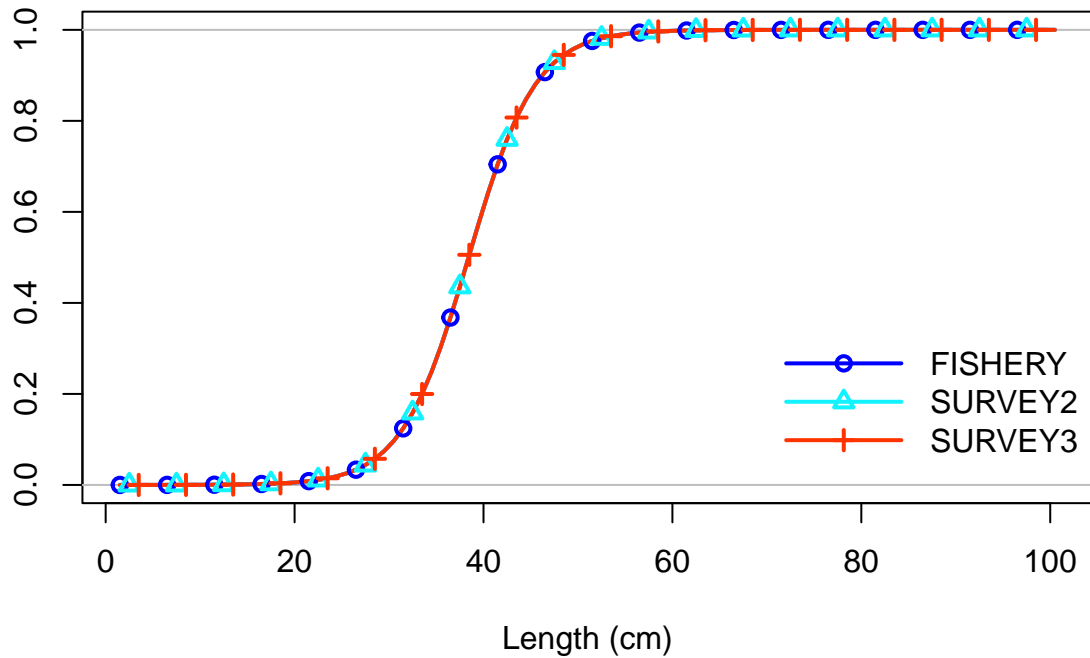
Spawning output

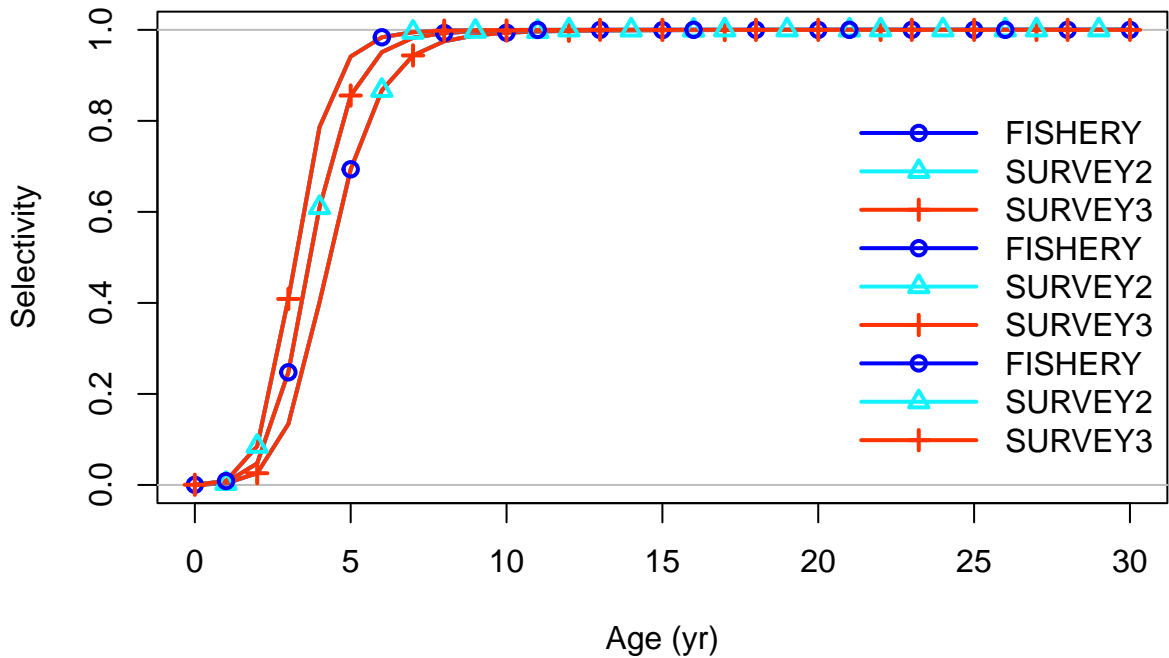


Spawning output

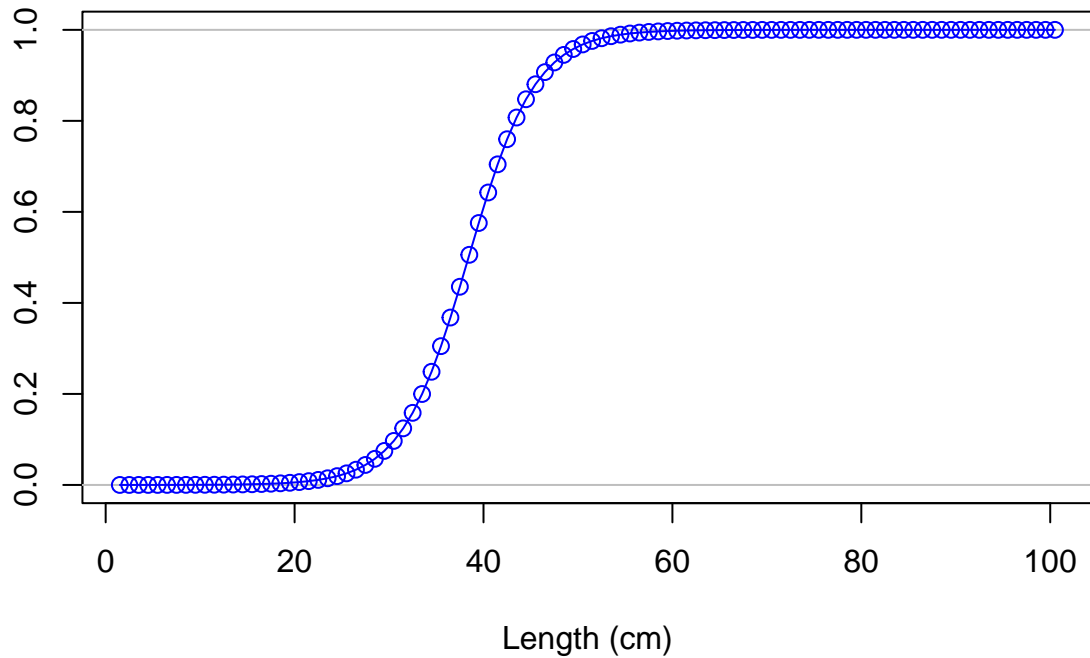


Selectivity

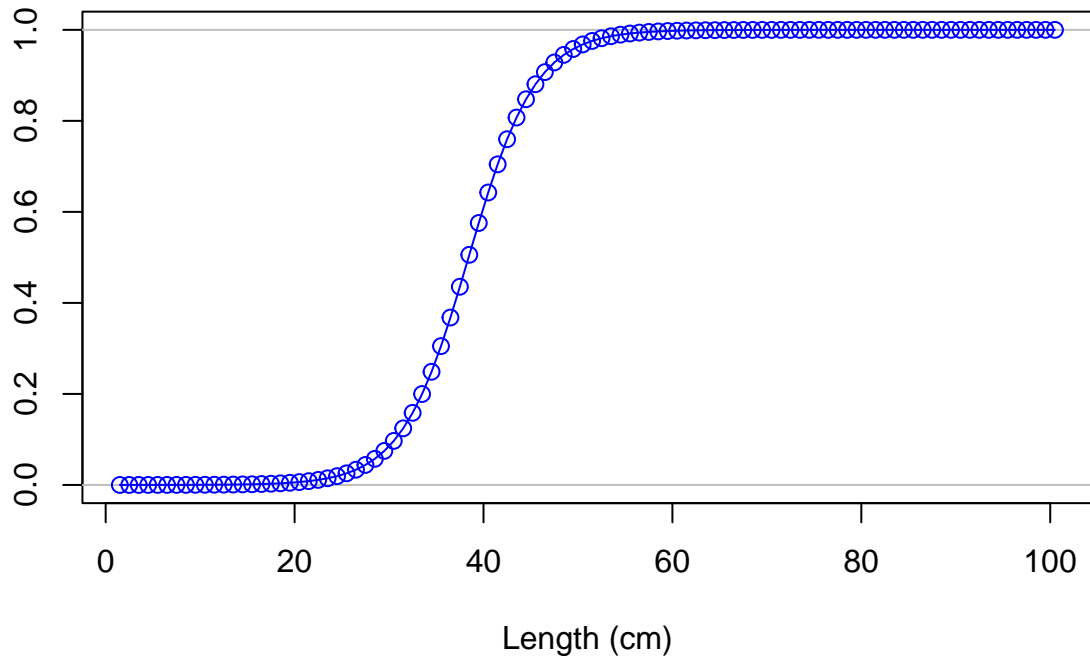




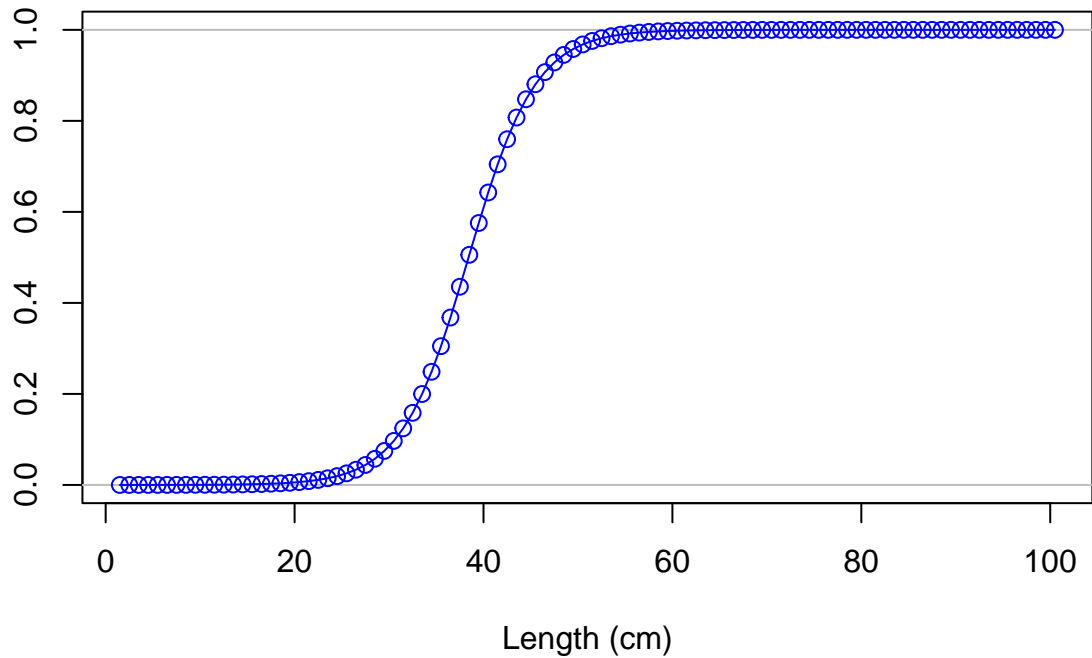
Selectivity

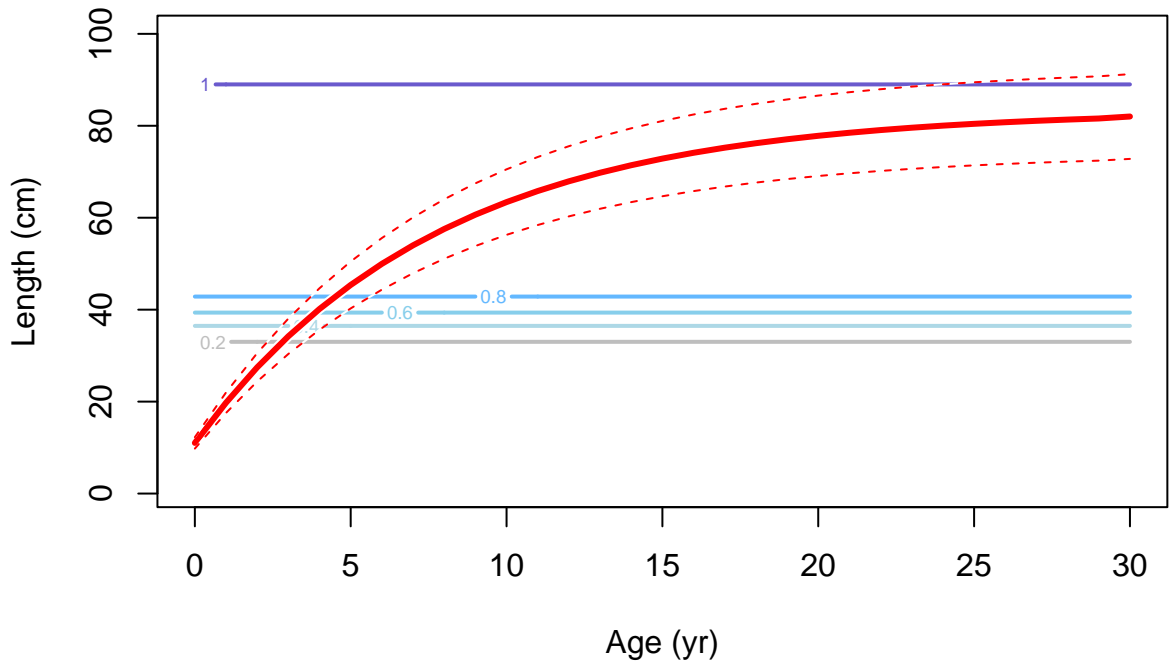


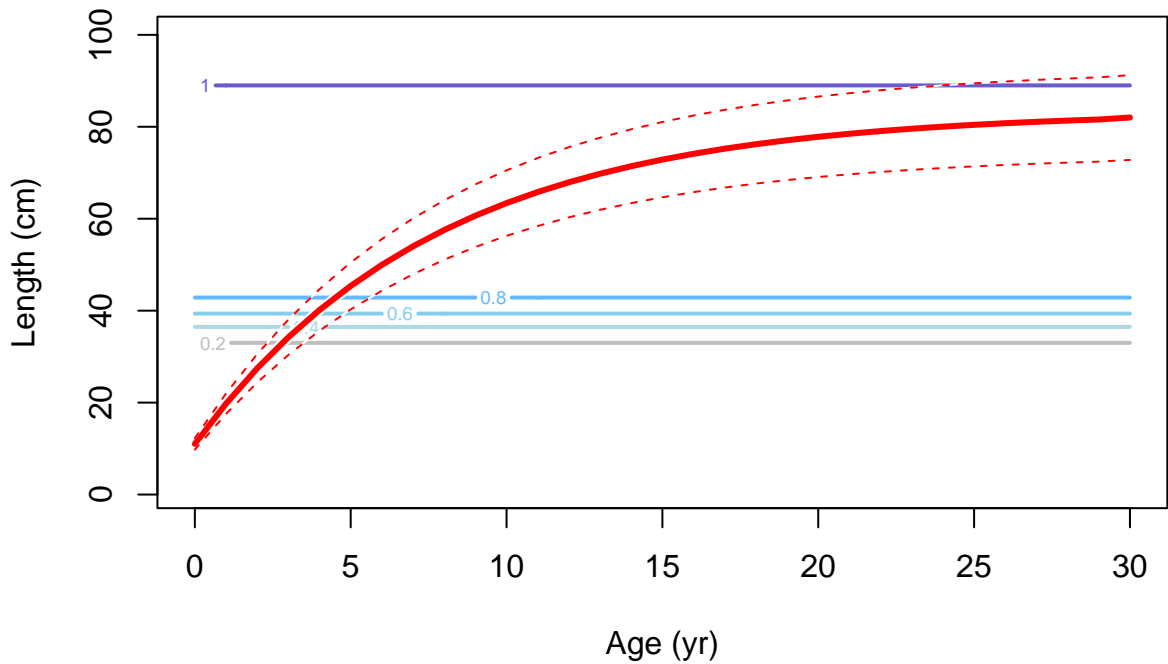
Selectivity

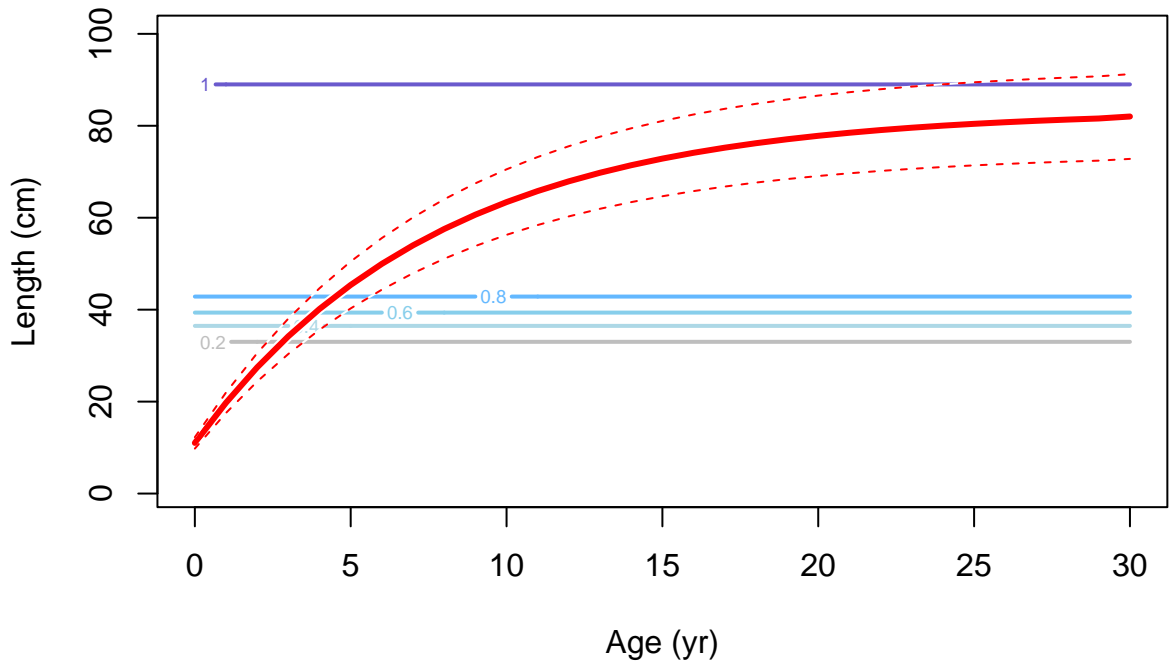


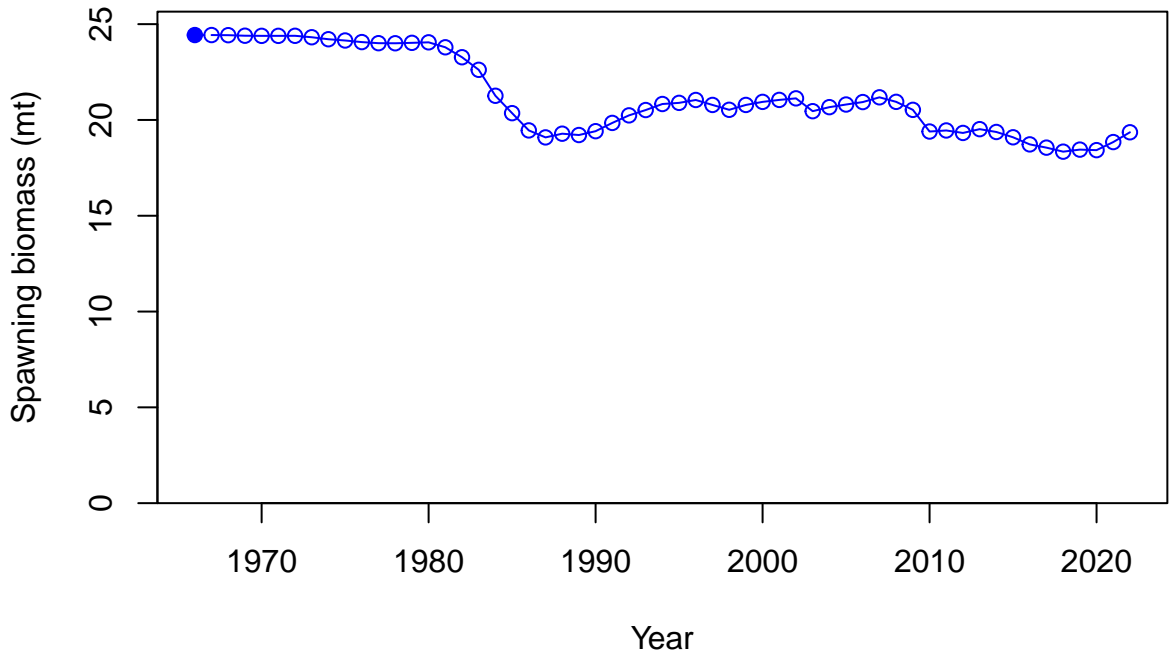
Selectivity



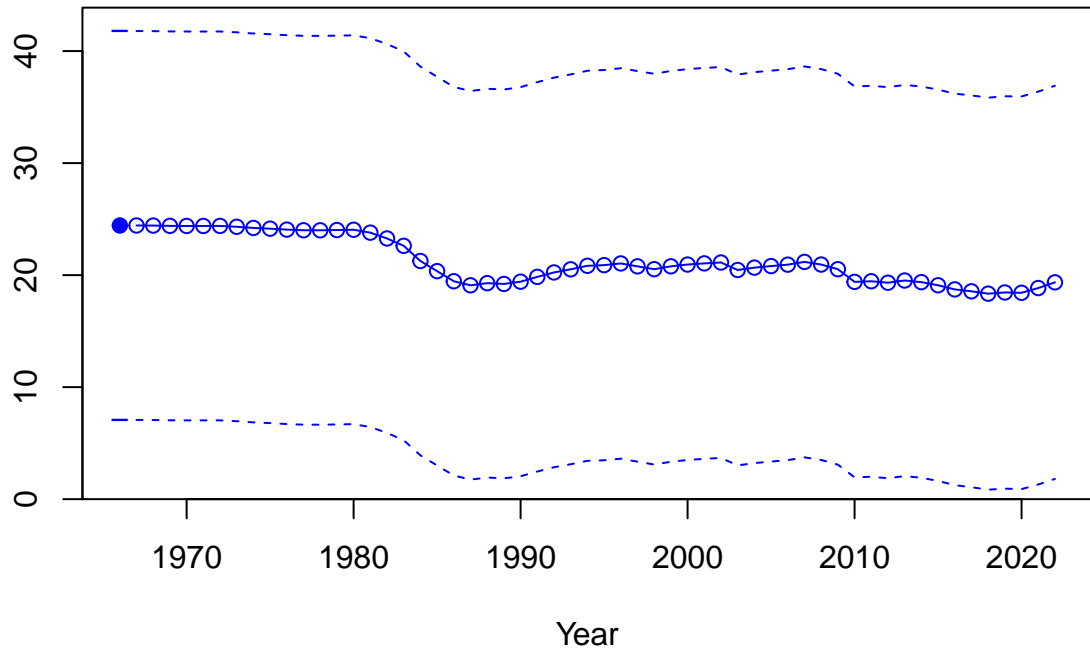




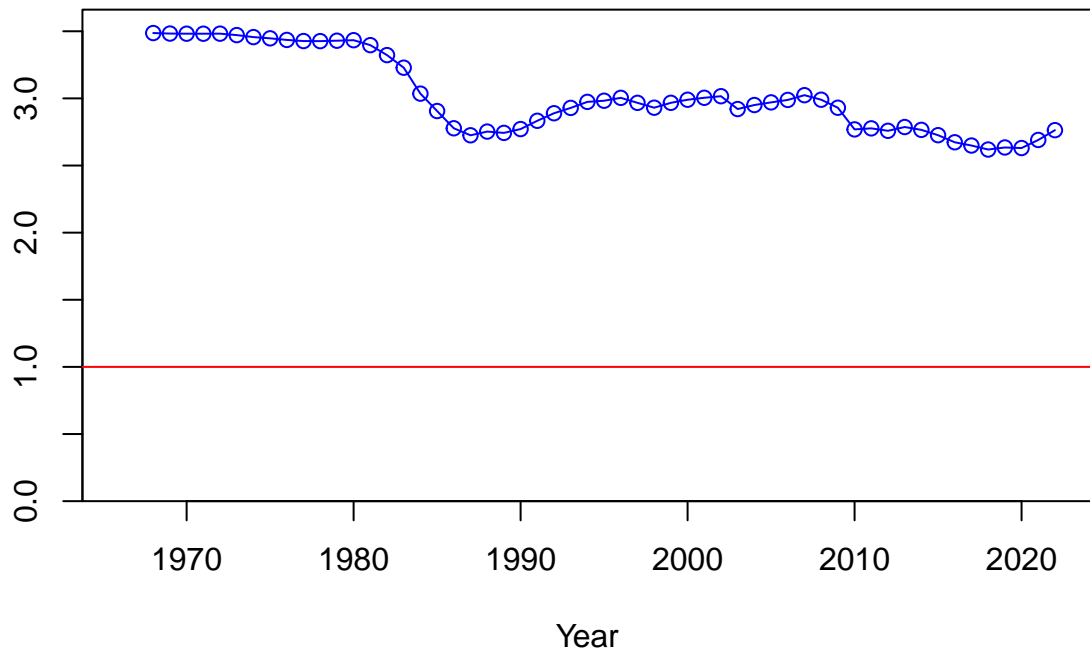




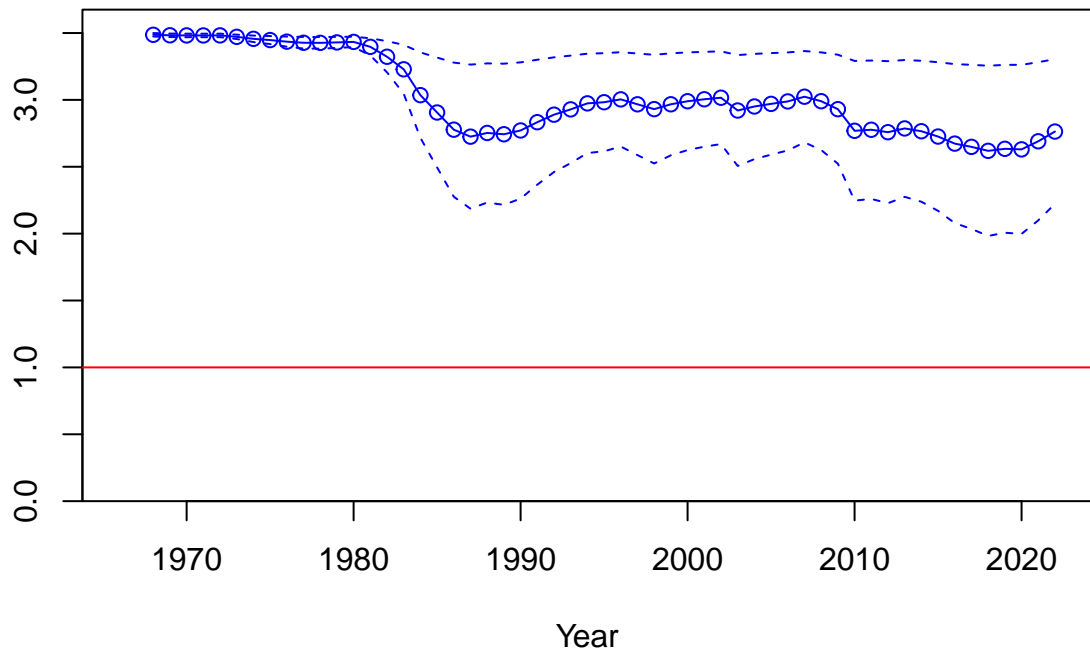
Spawning biomass (mt)

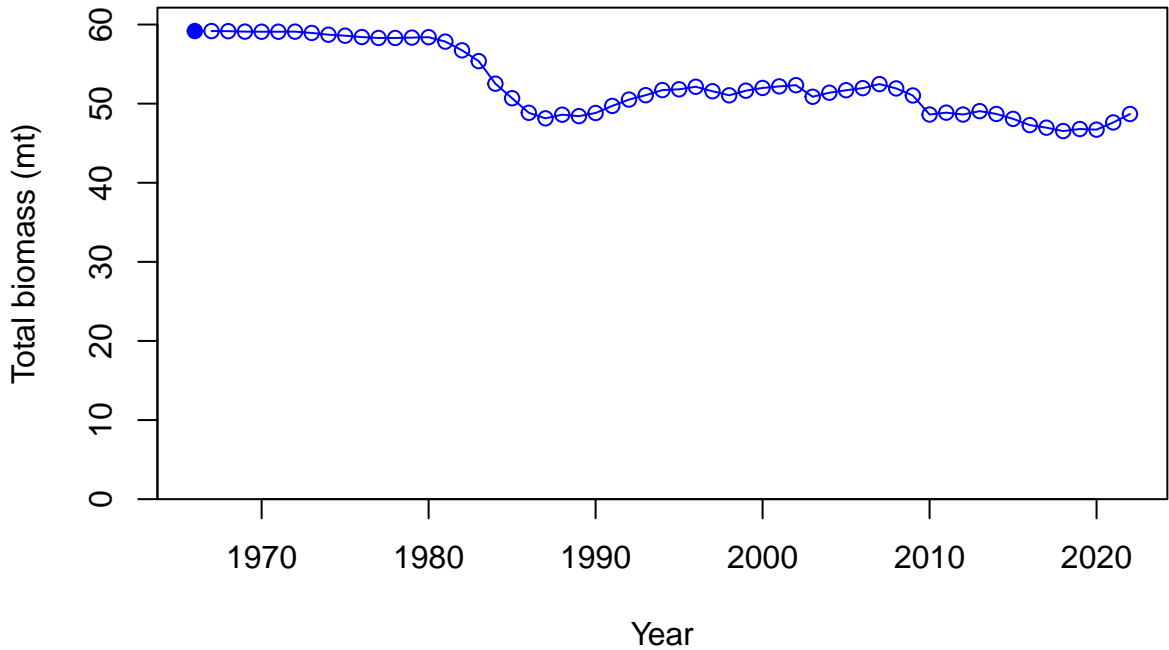


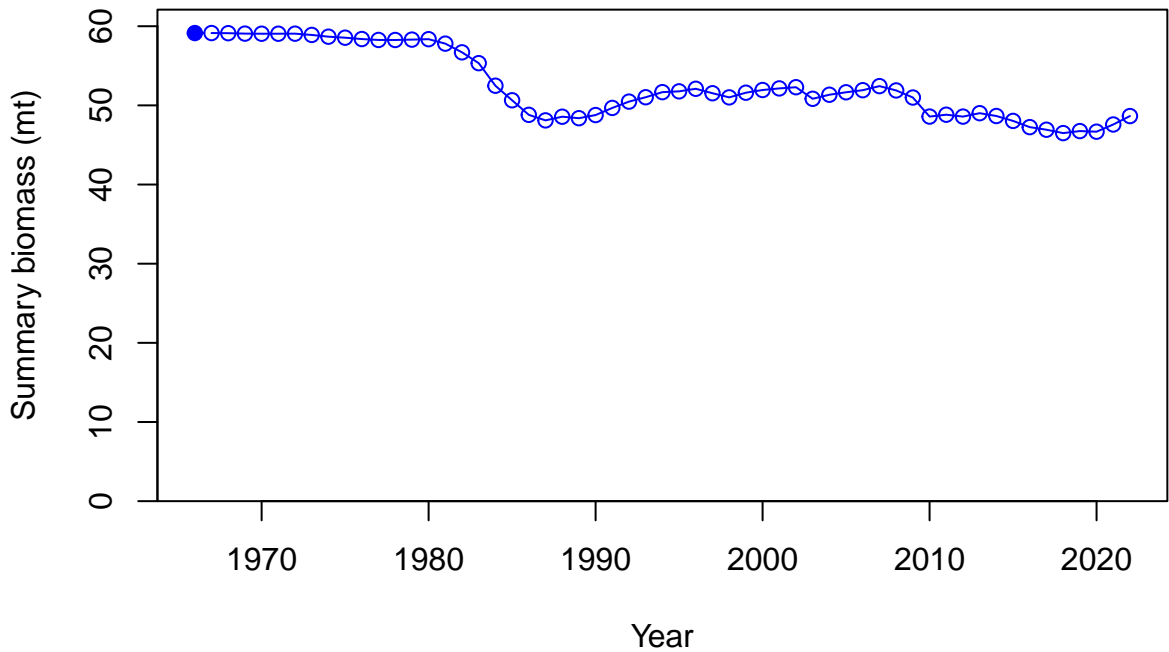
Relative spawning biomass: B/B_{MSY}



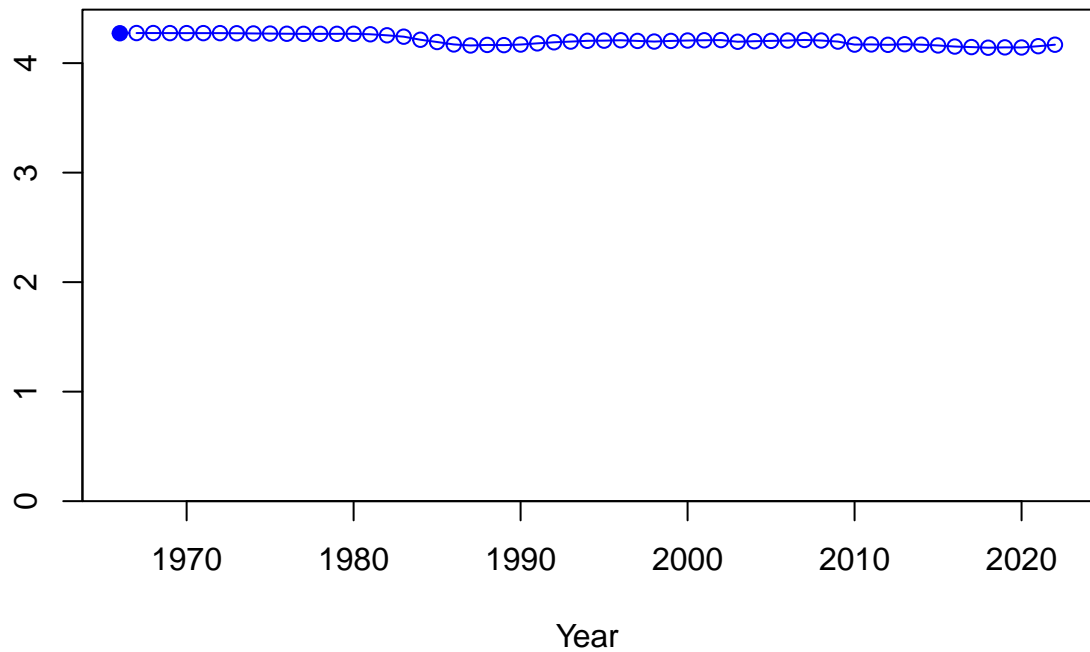
Relative spawning biomass: B/B_{MSY}



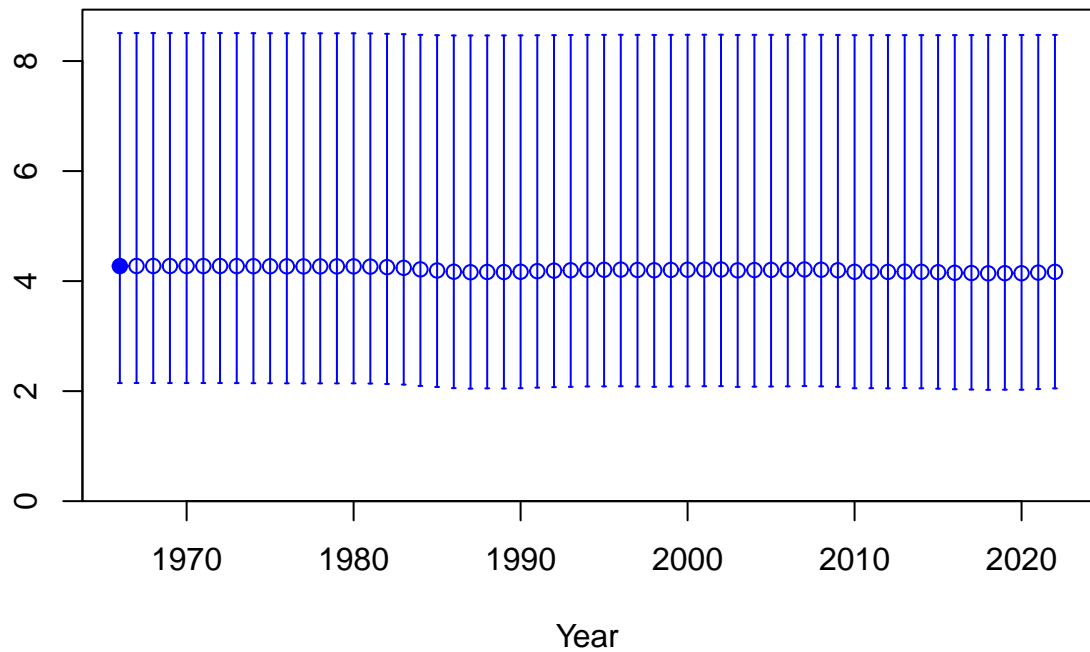




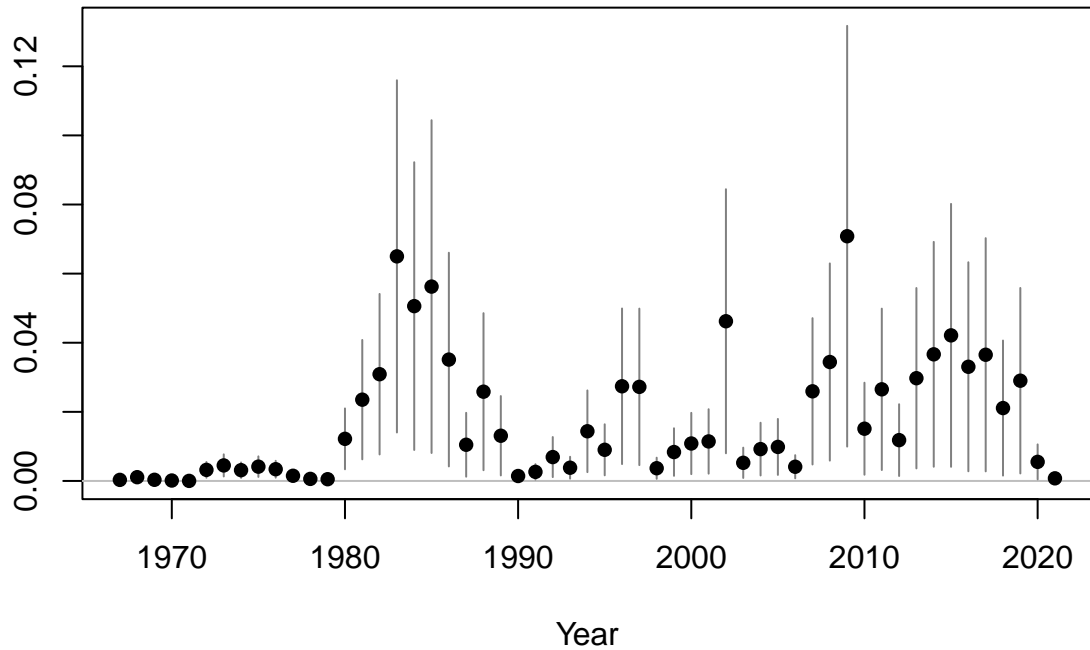
Age-0 recruits (1,000s)

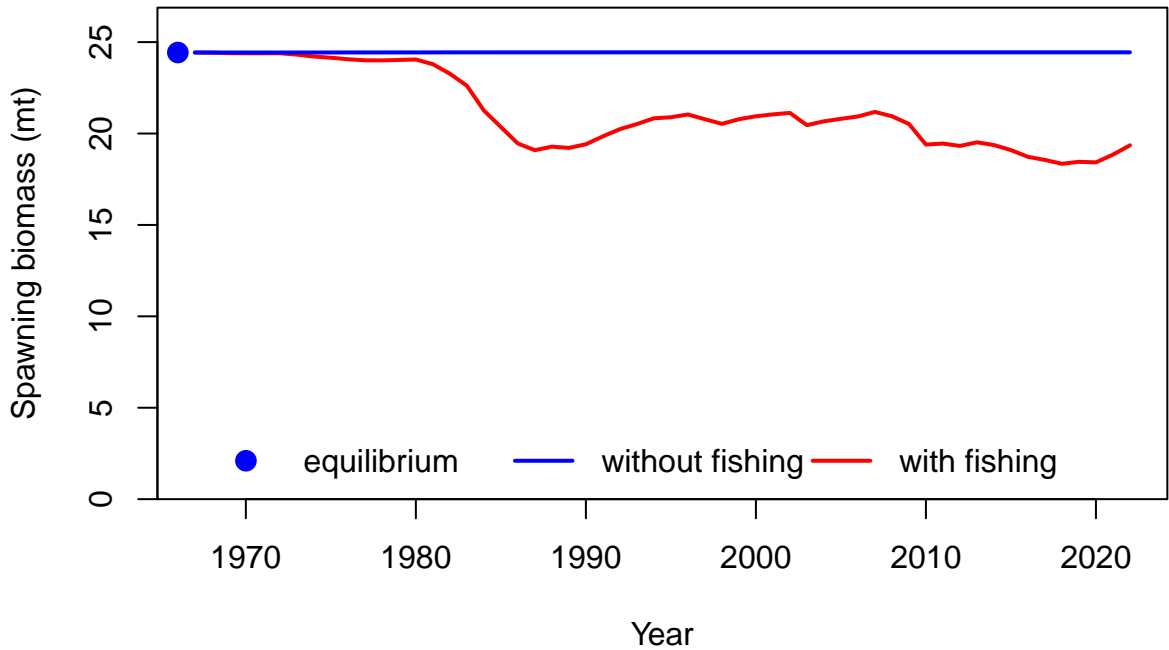


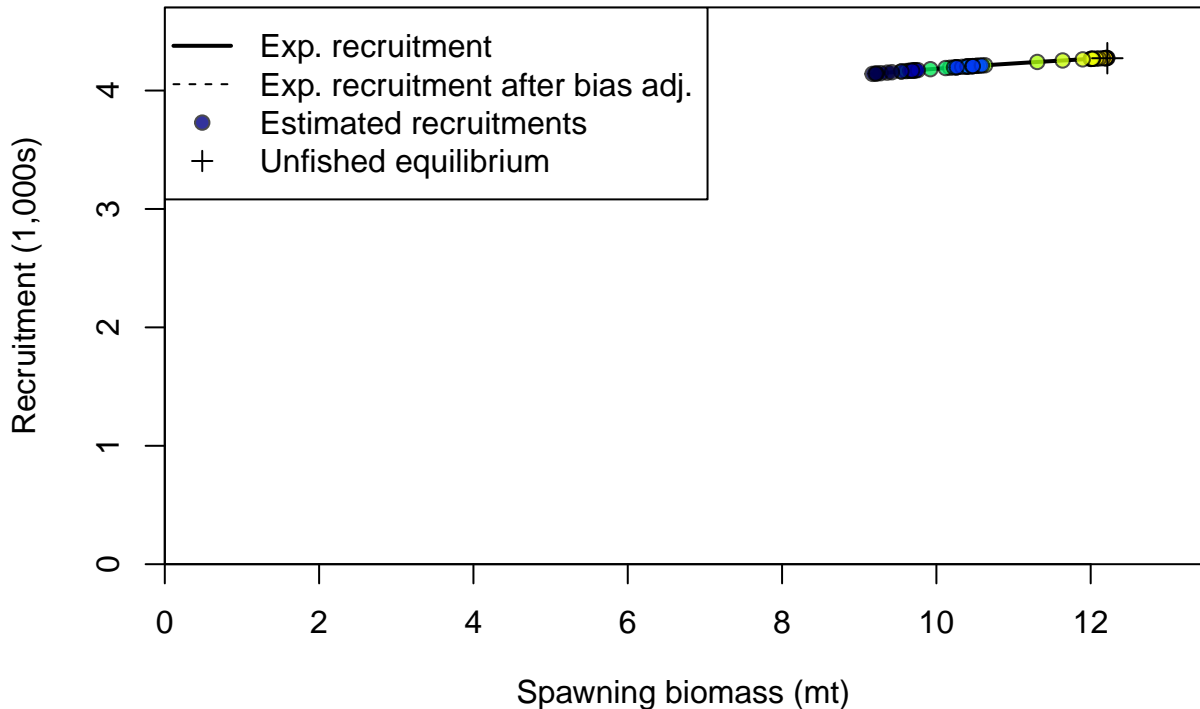
Age-0 recruits (1,000s)

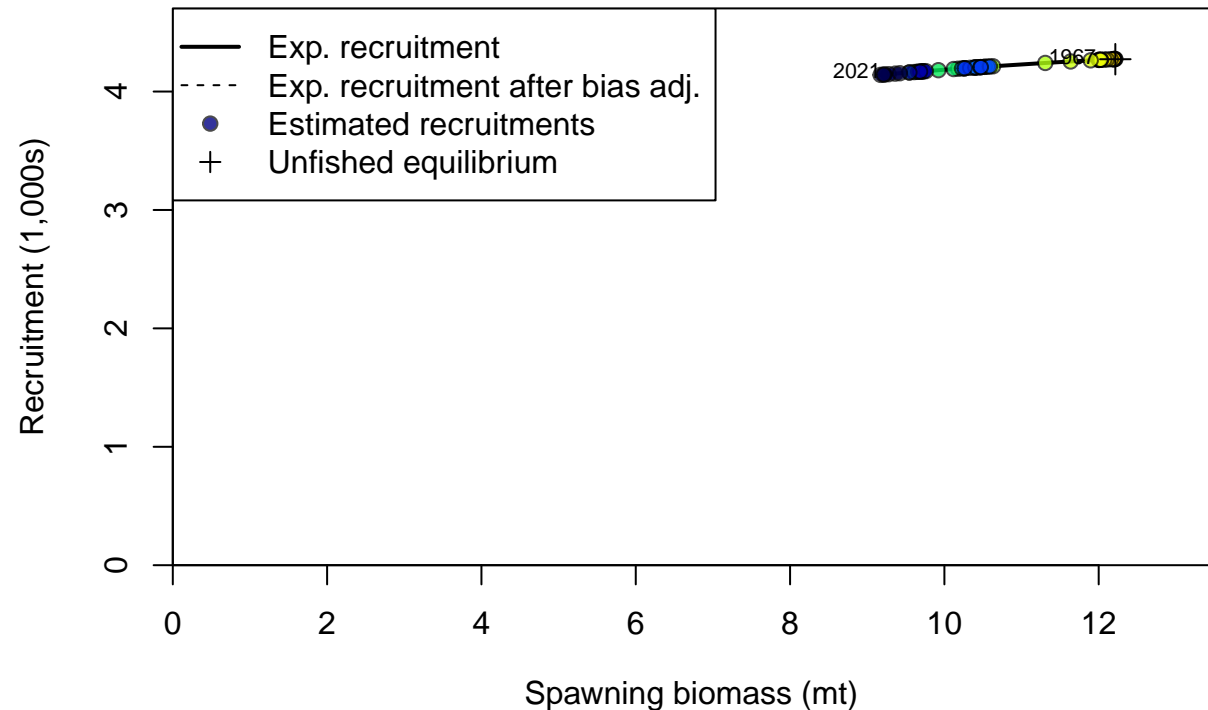


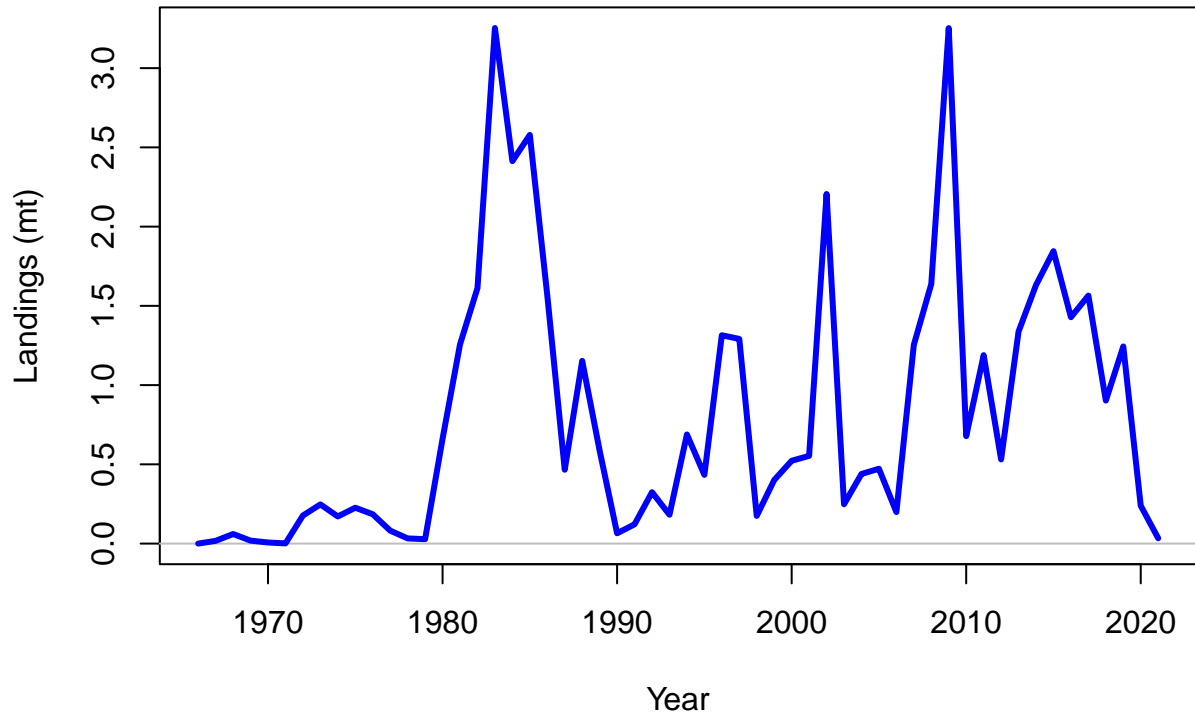
Summary Fishing Mortality

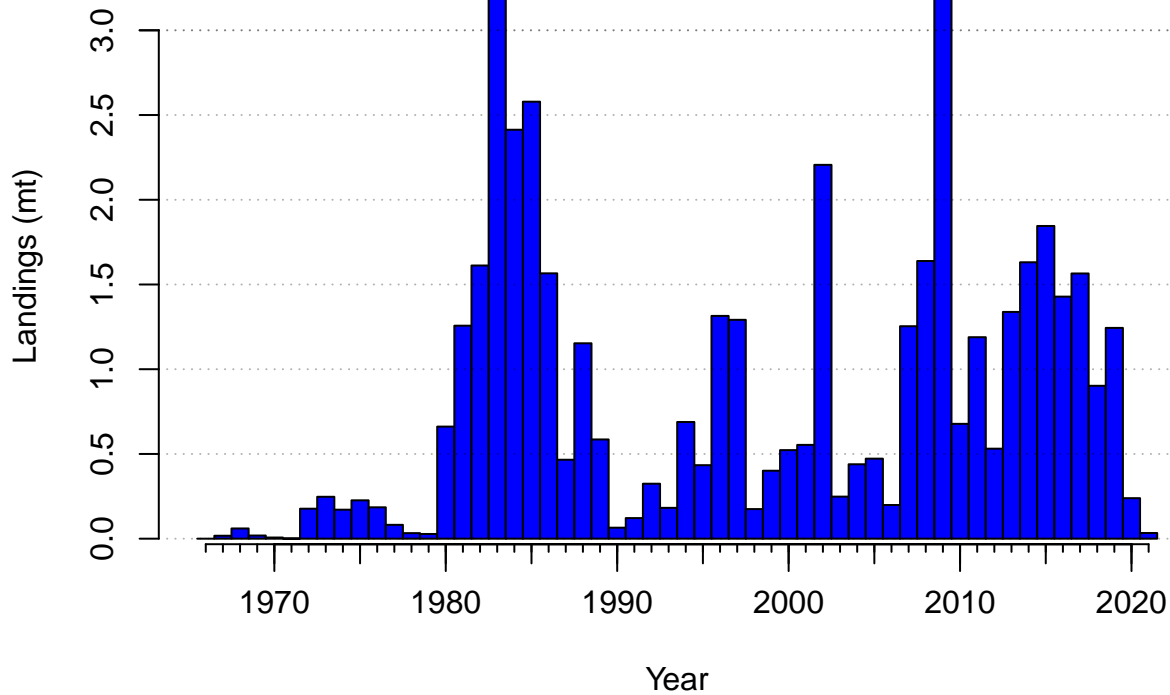


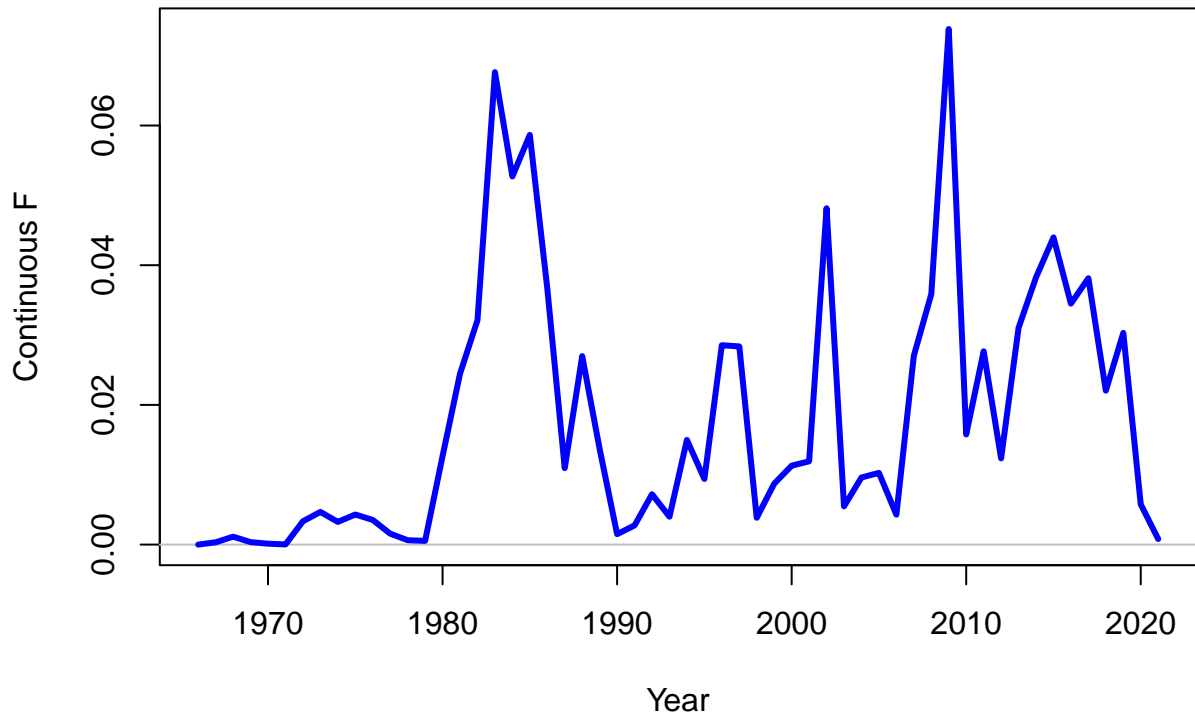




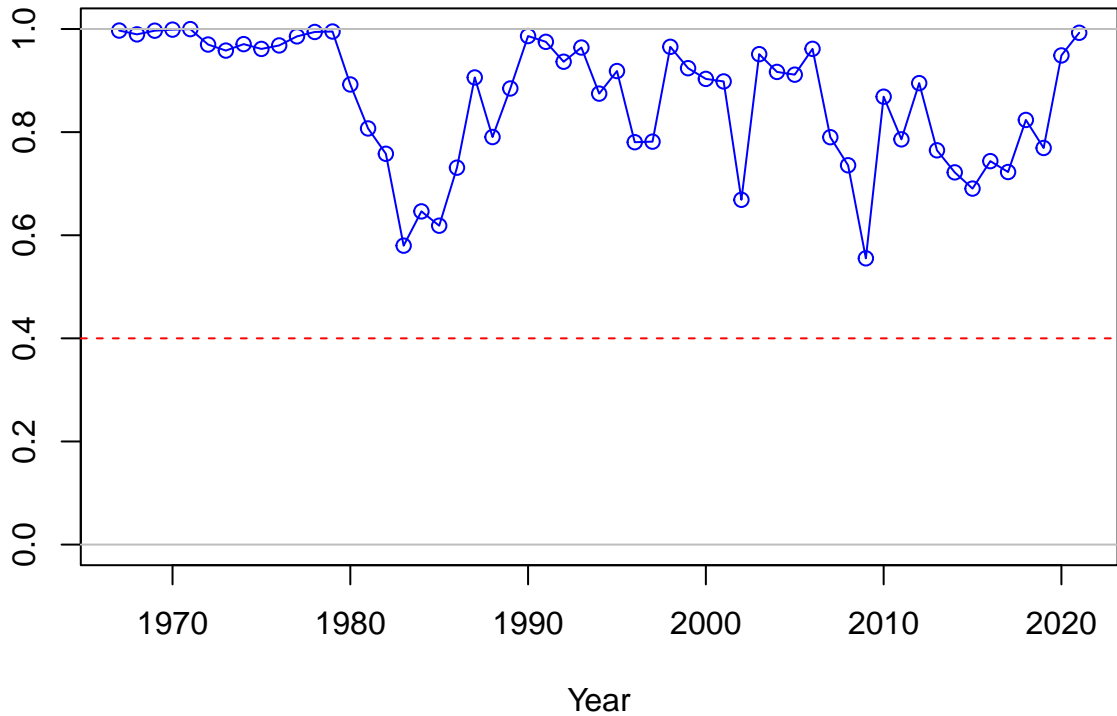


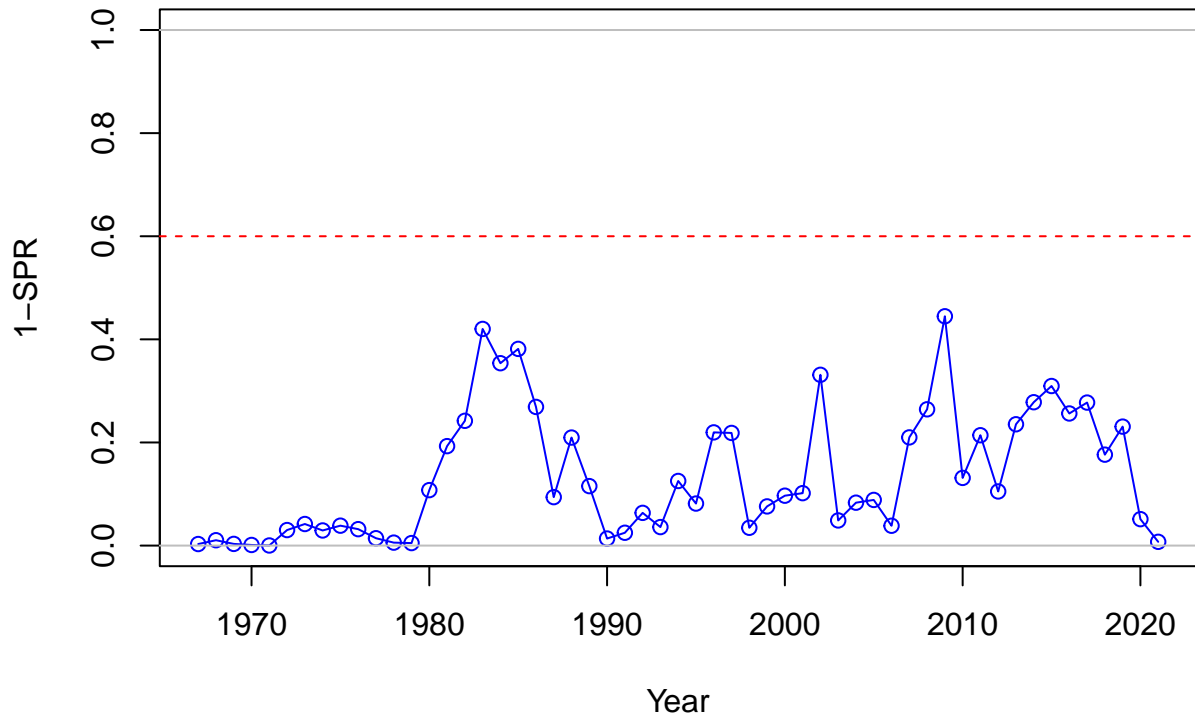




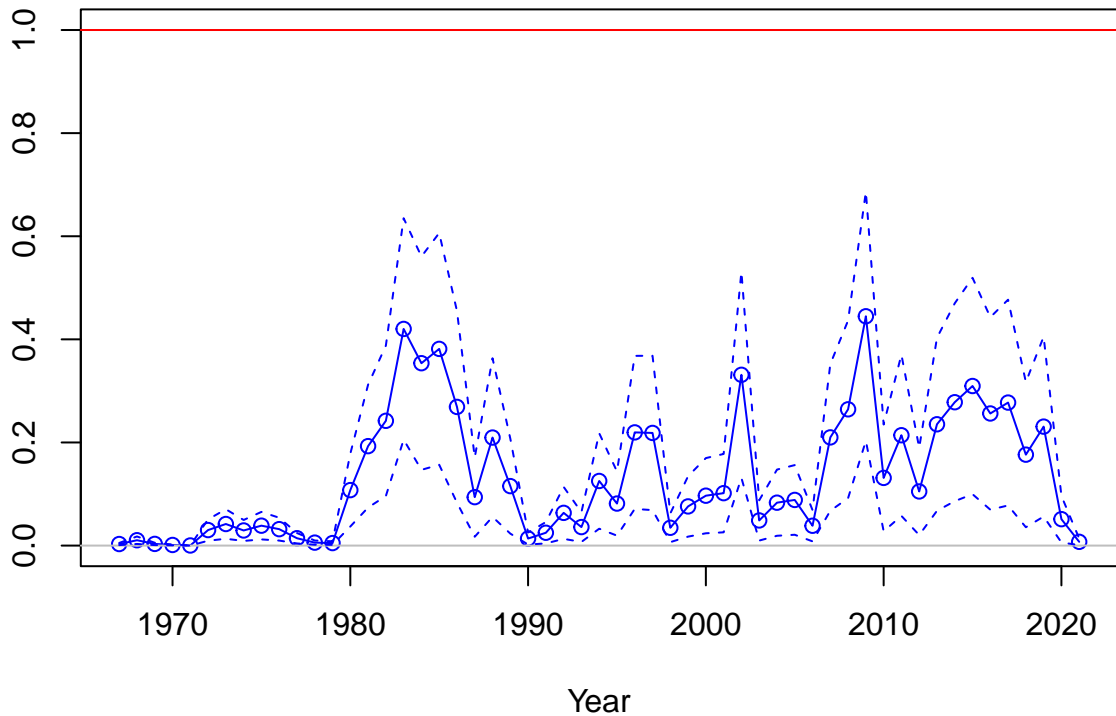


SPR

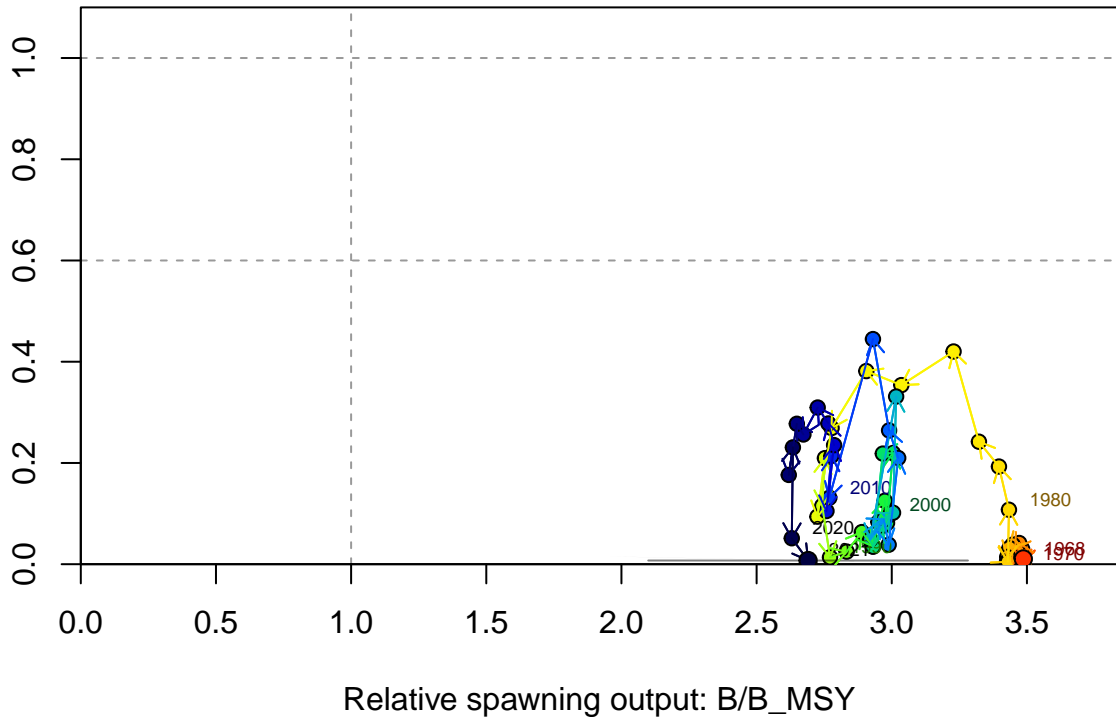




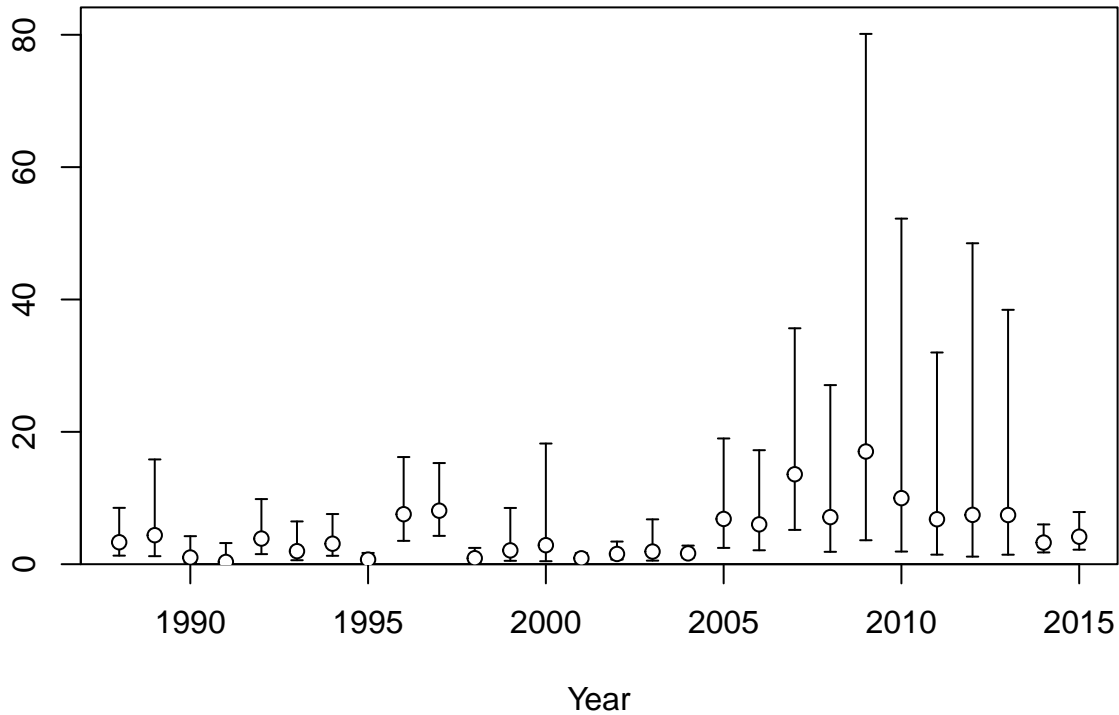
Fishing intensity: 1-SPR



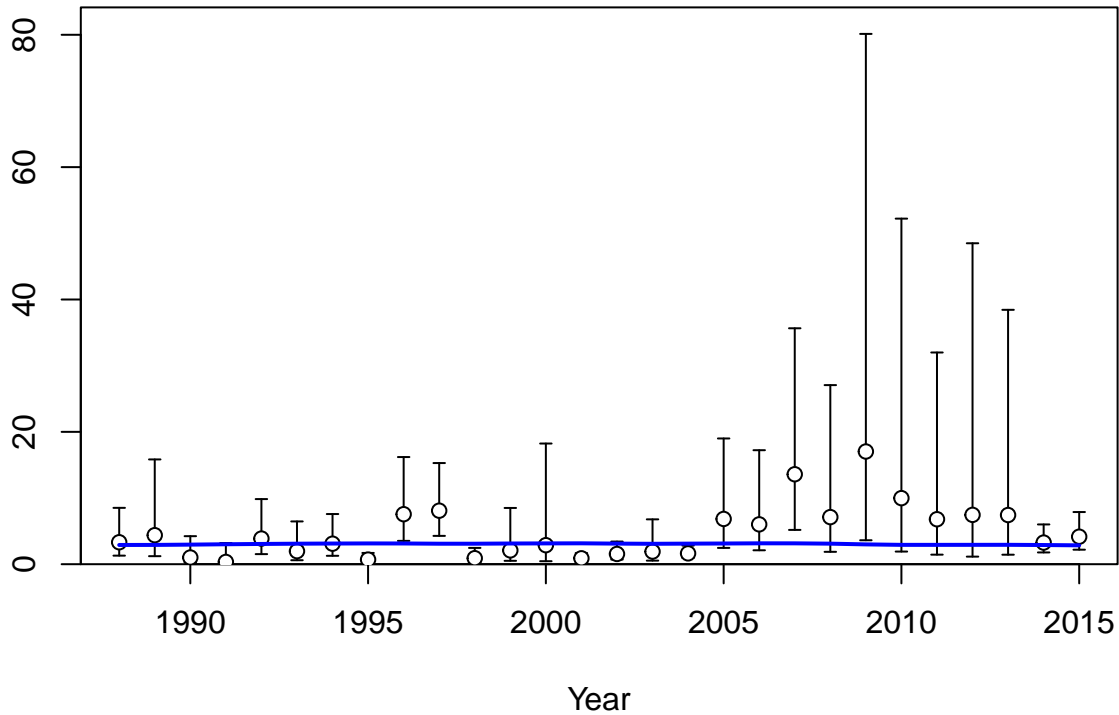
Fishing intensity: 1-SPR



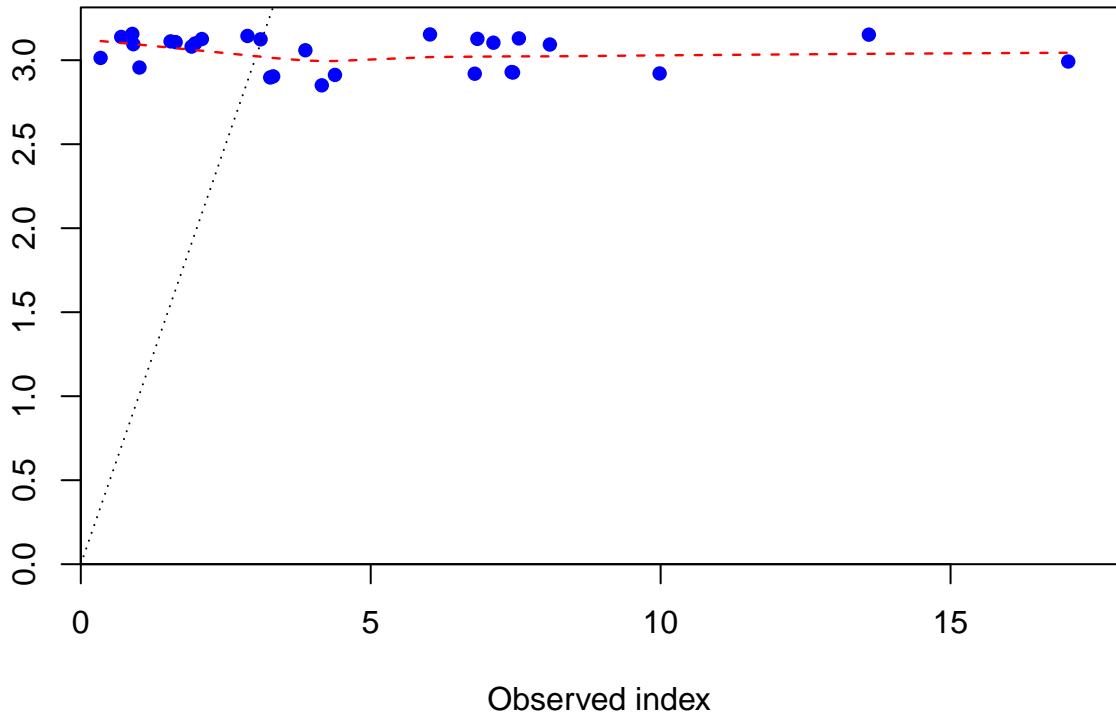
Index



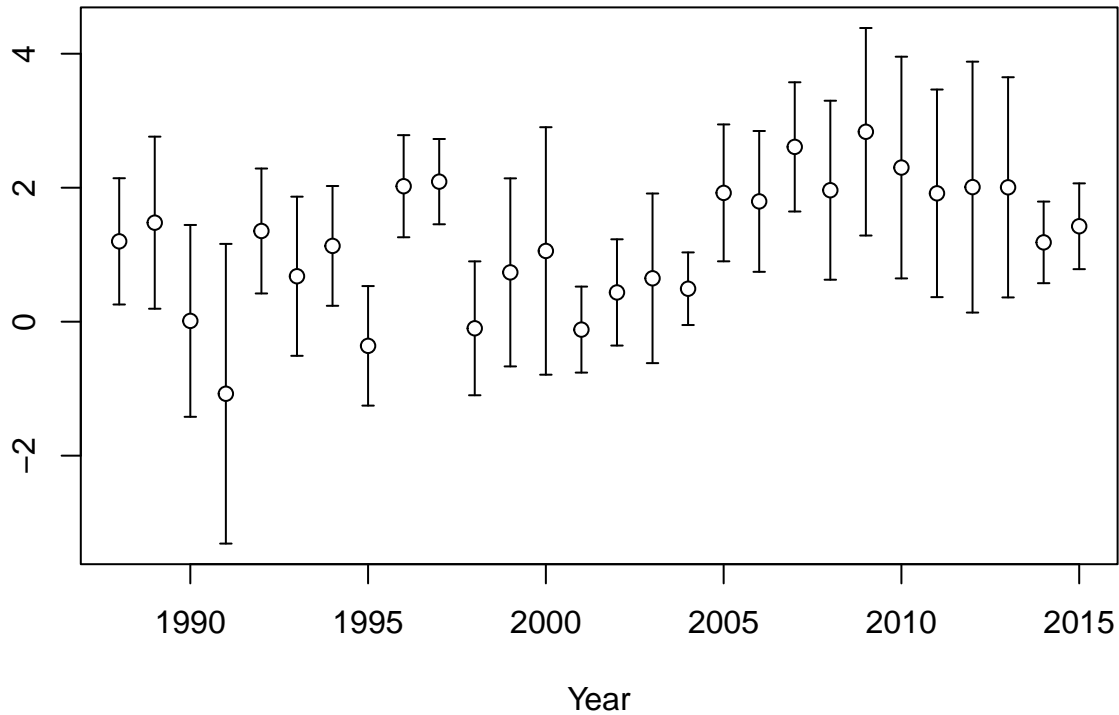
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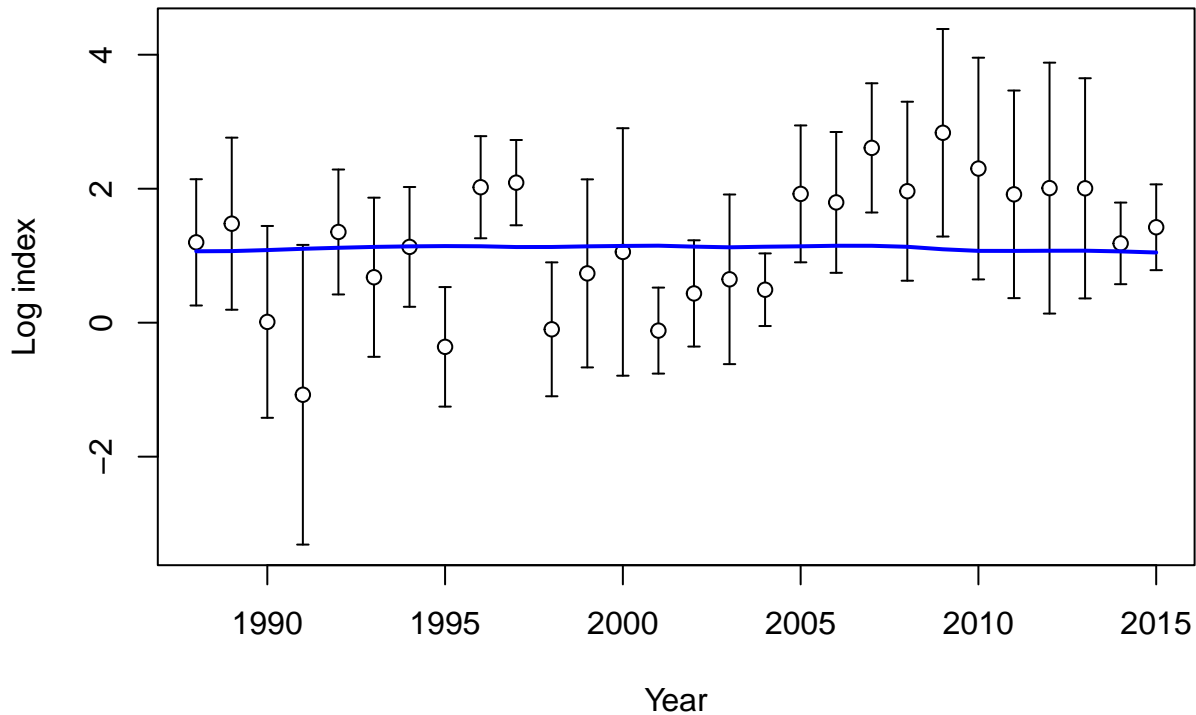


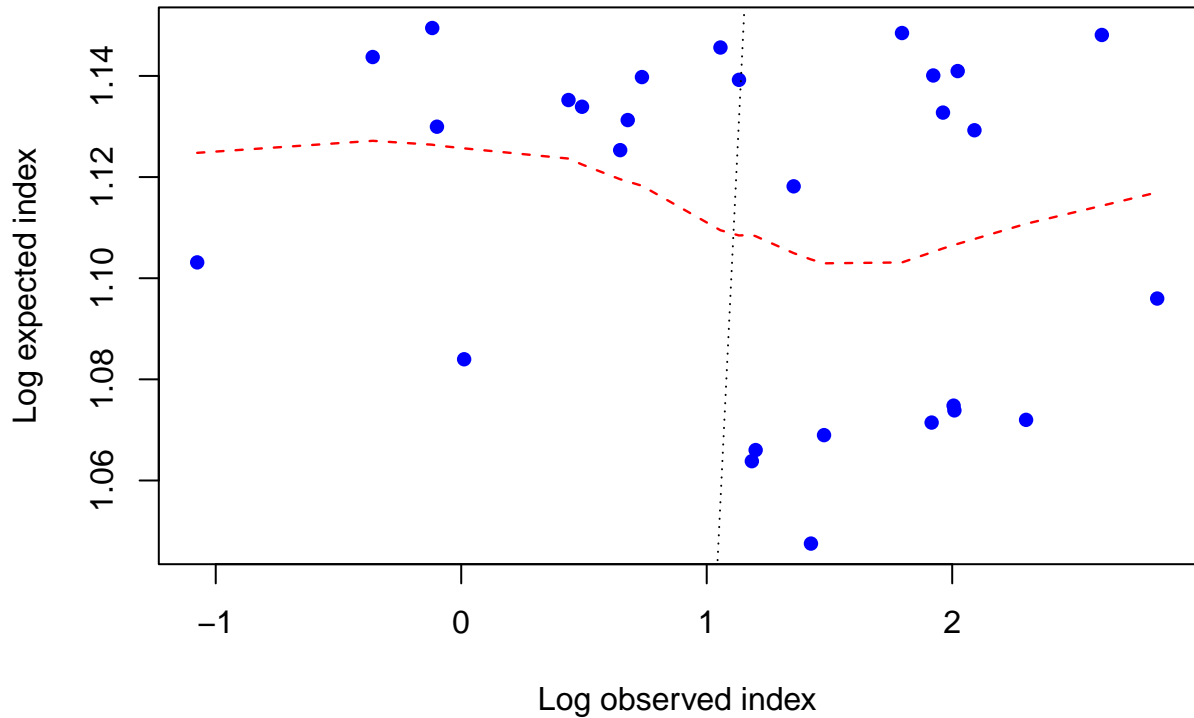
Expected index



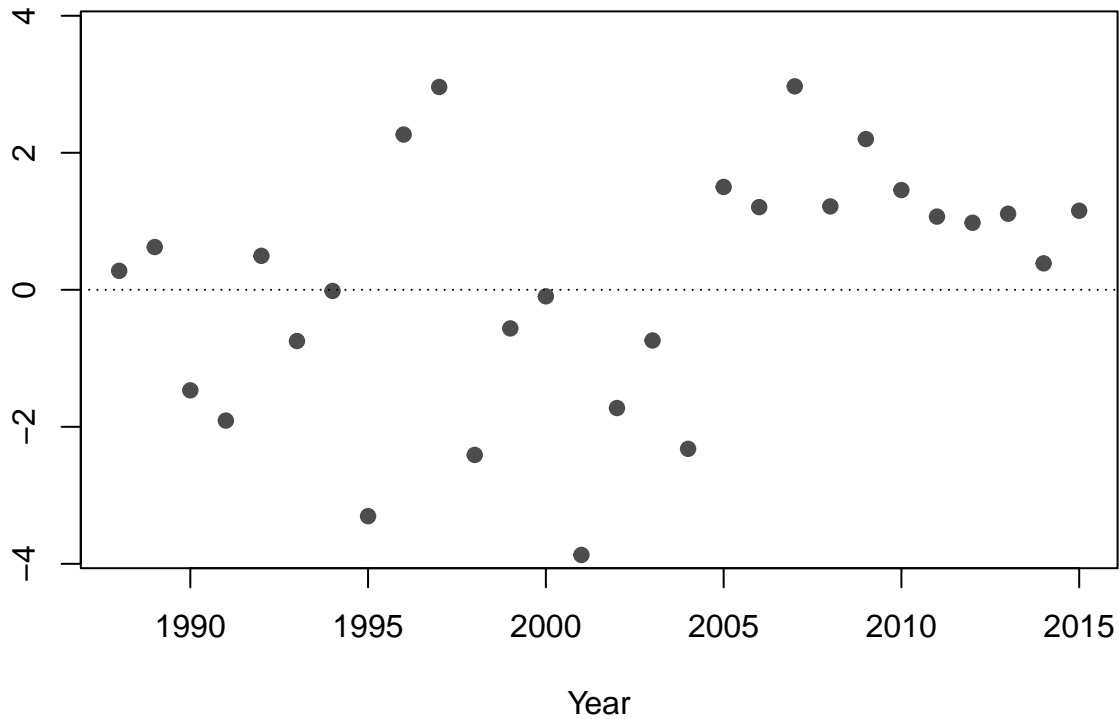
Log index

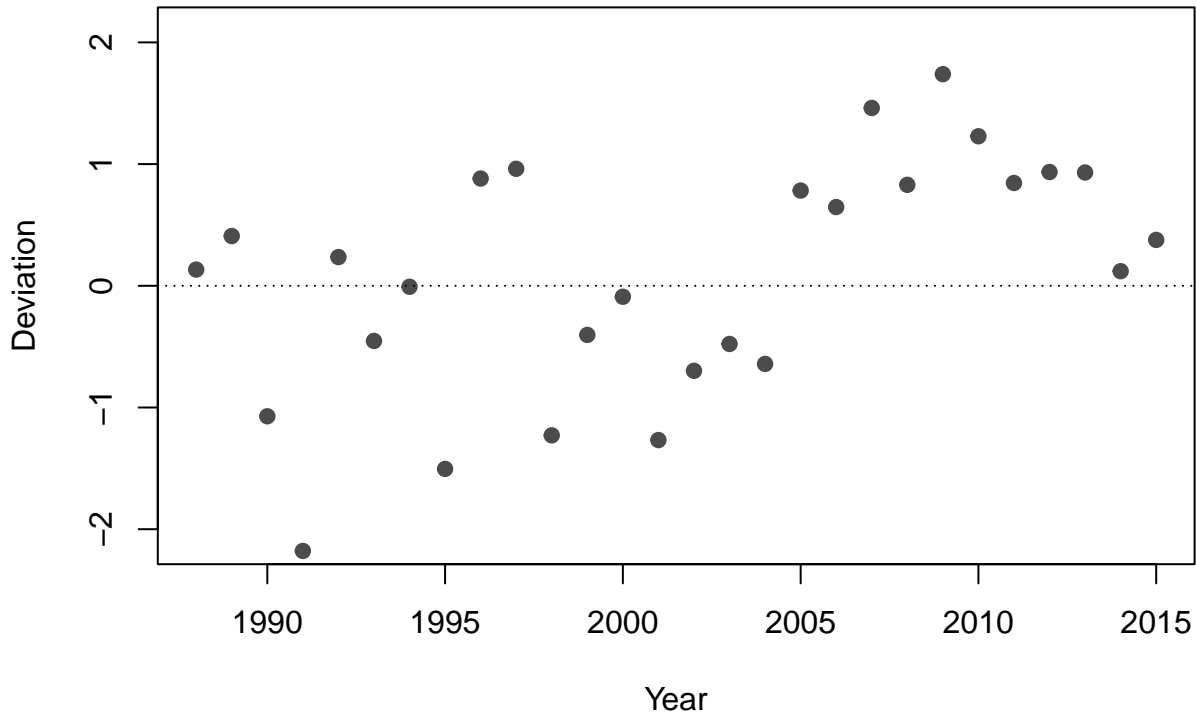




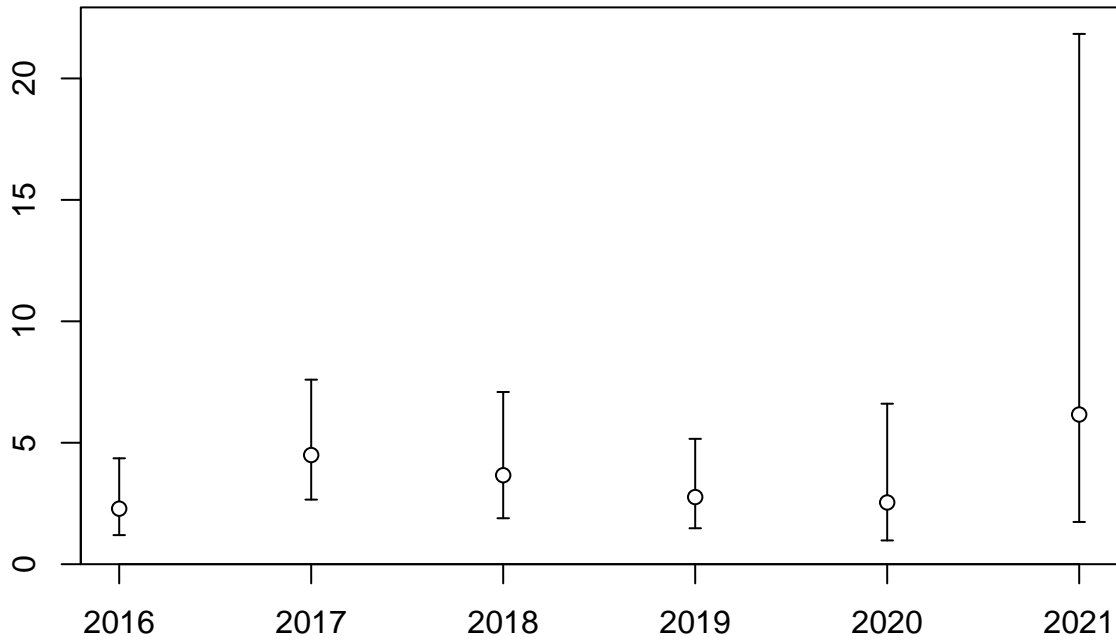


Residual



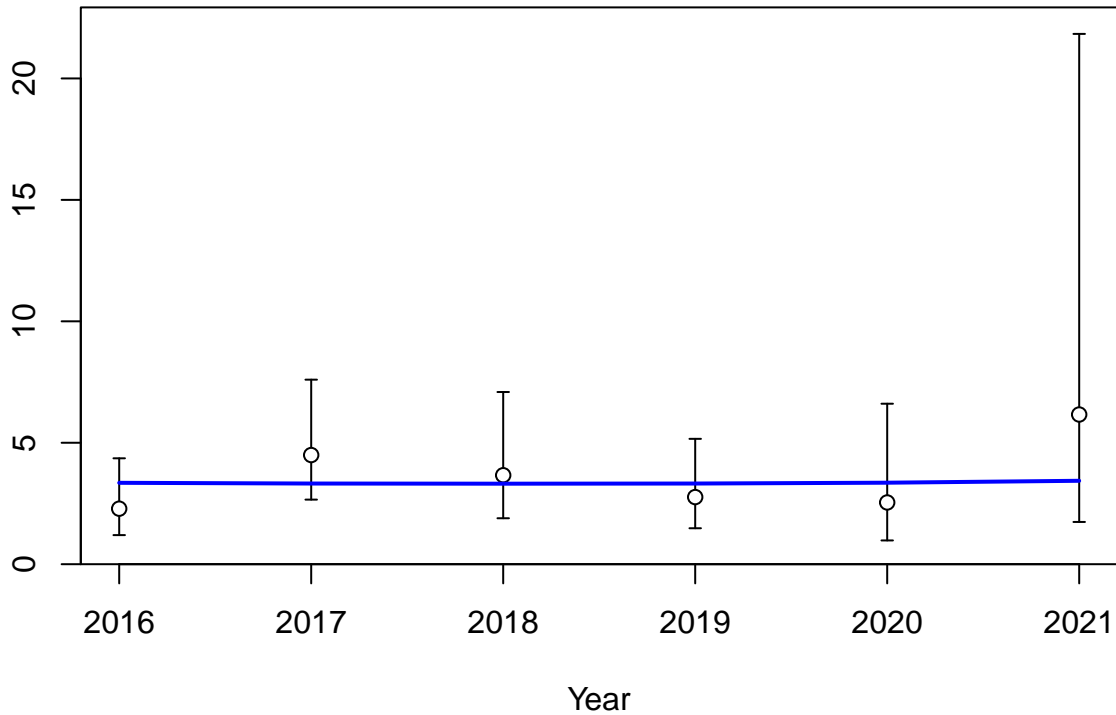


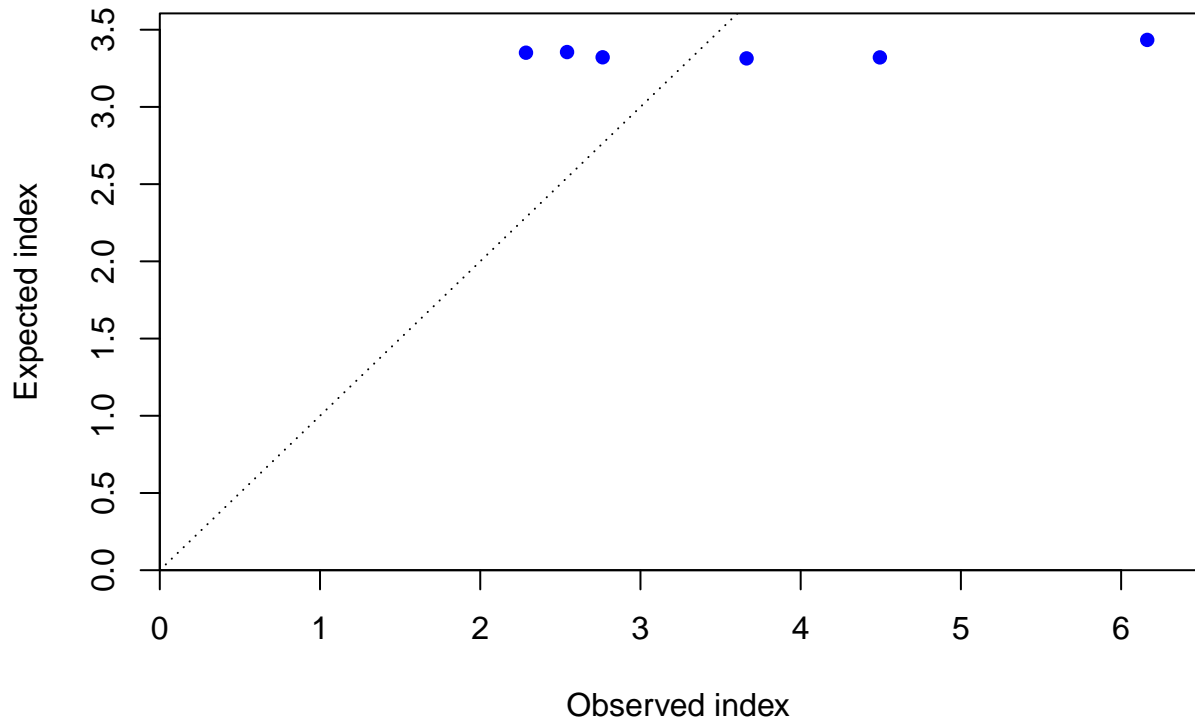
Index



Year

Index





Log index

3.0
2.5
2.0
1.5
1.0
0.5
0.0

2016

2017

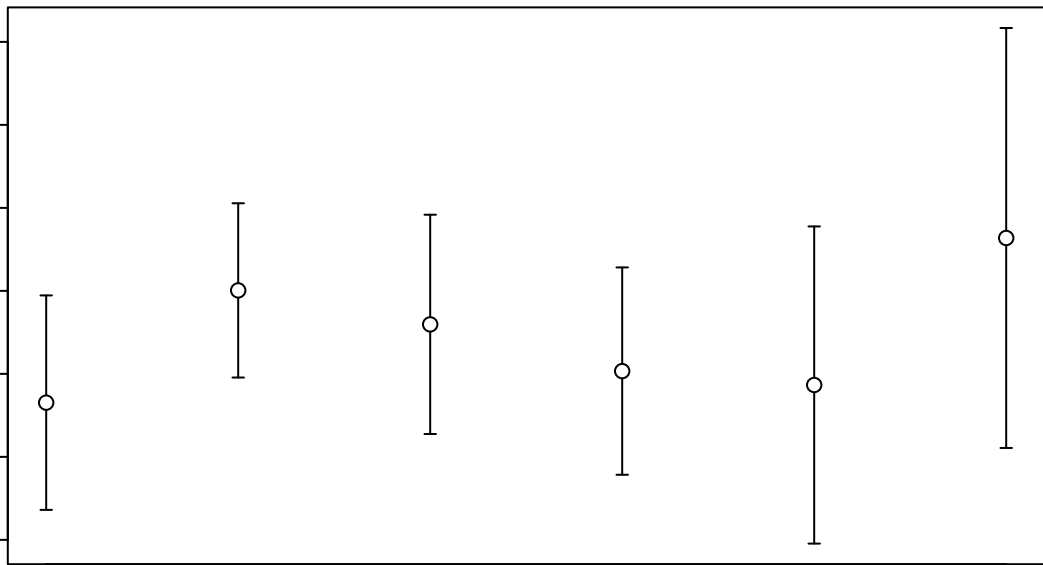
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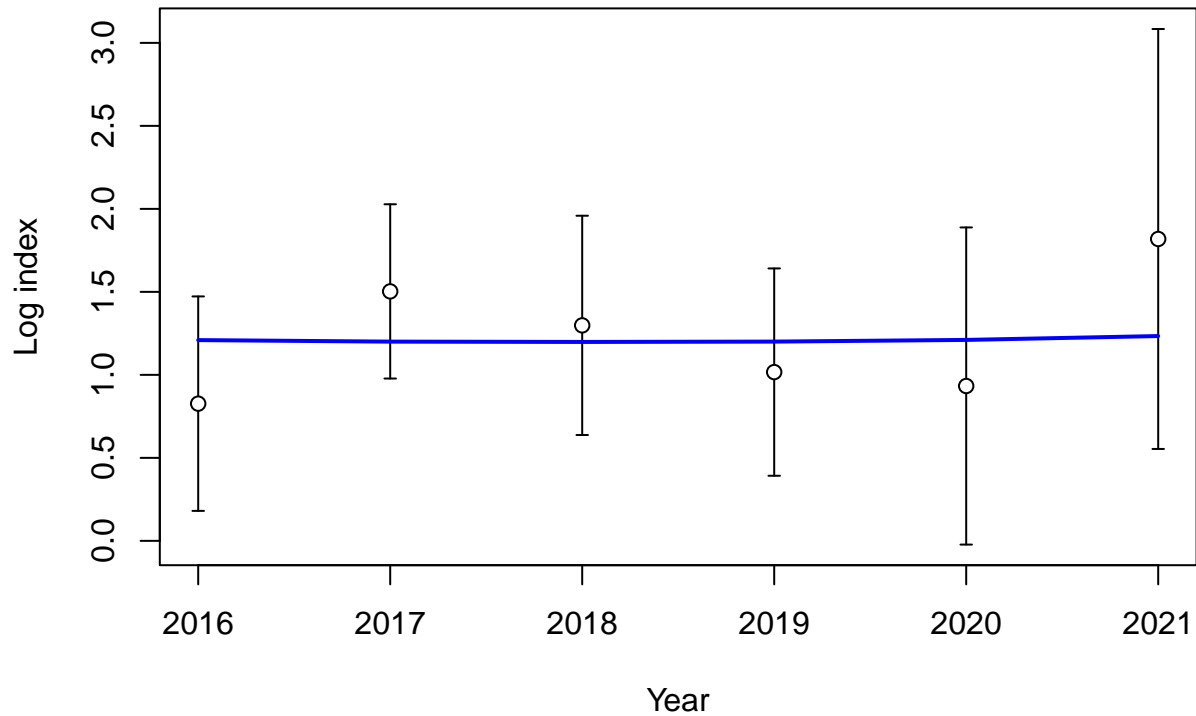
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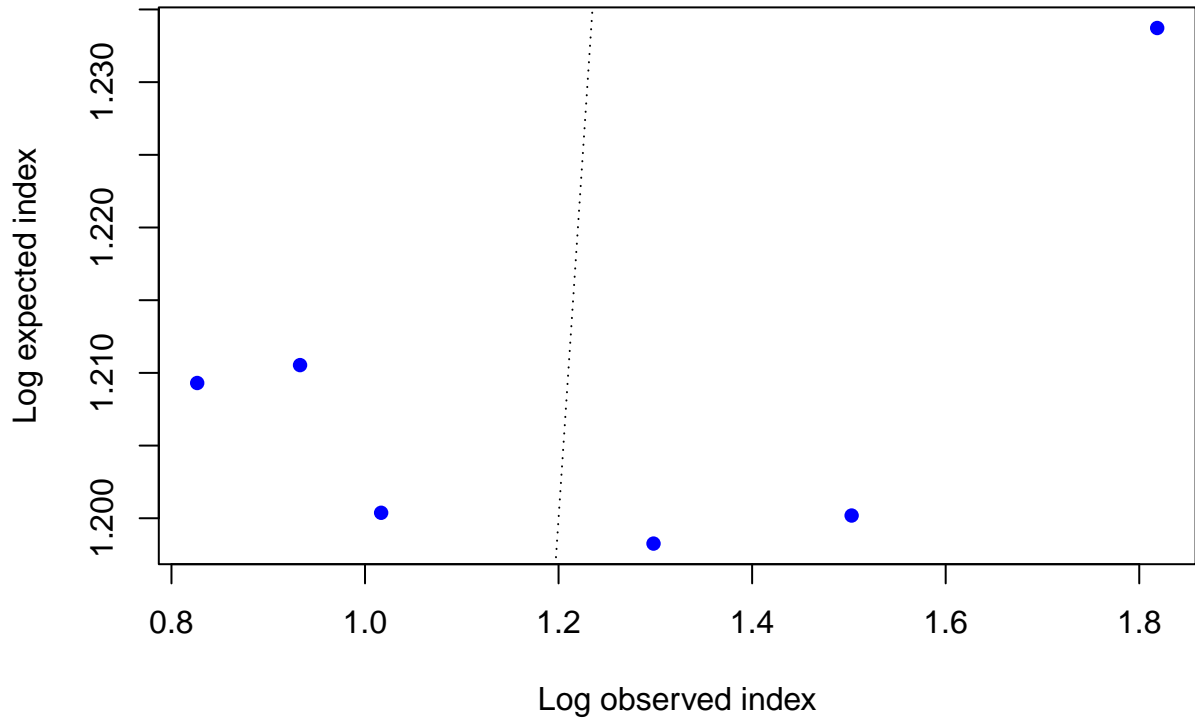
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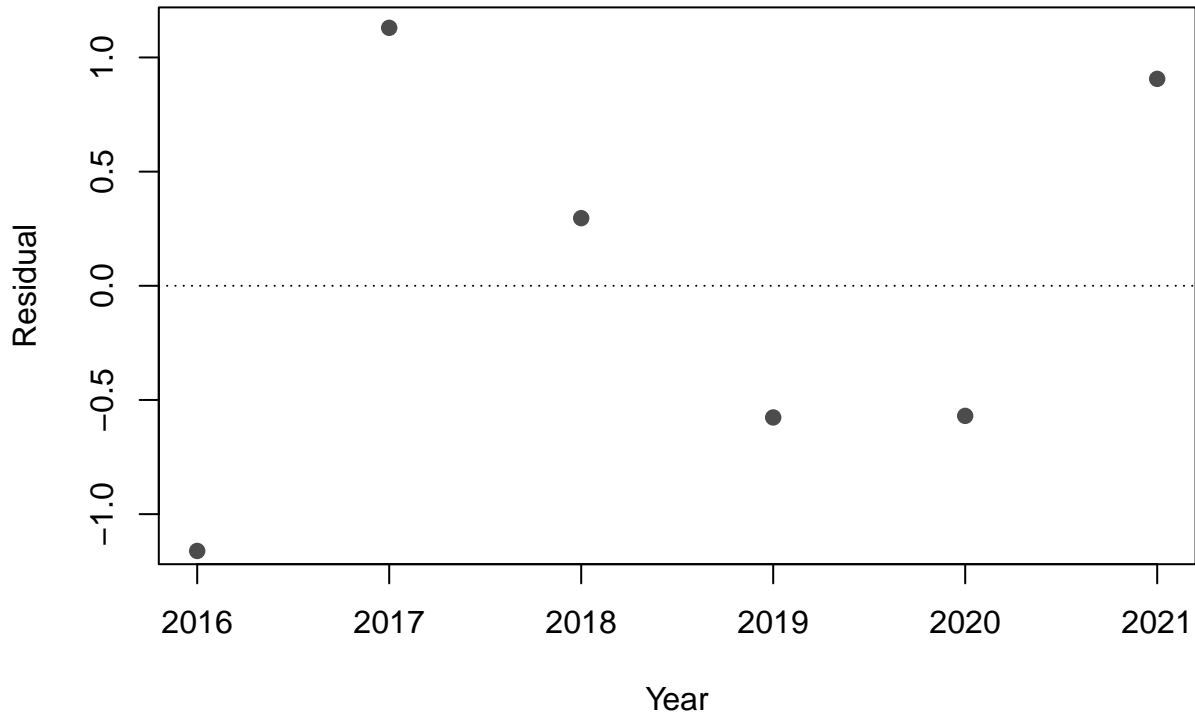
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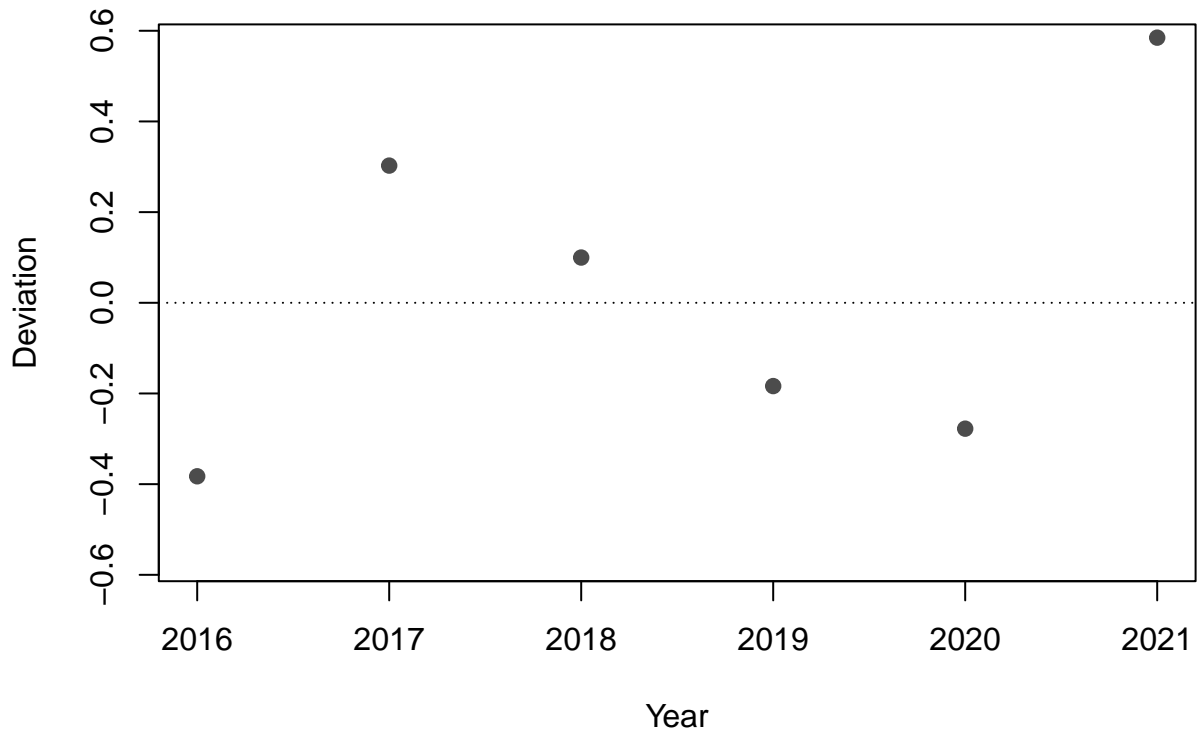
Year

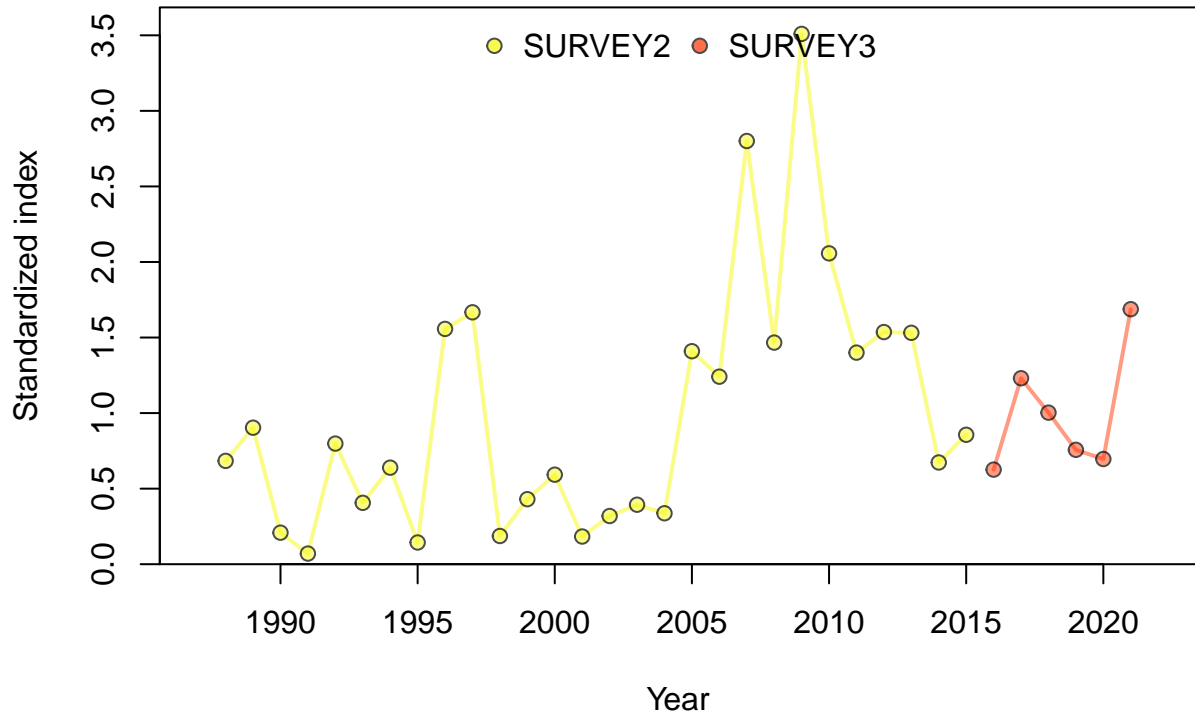


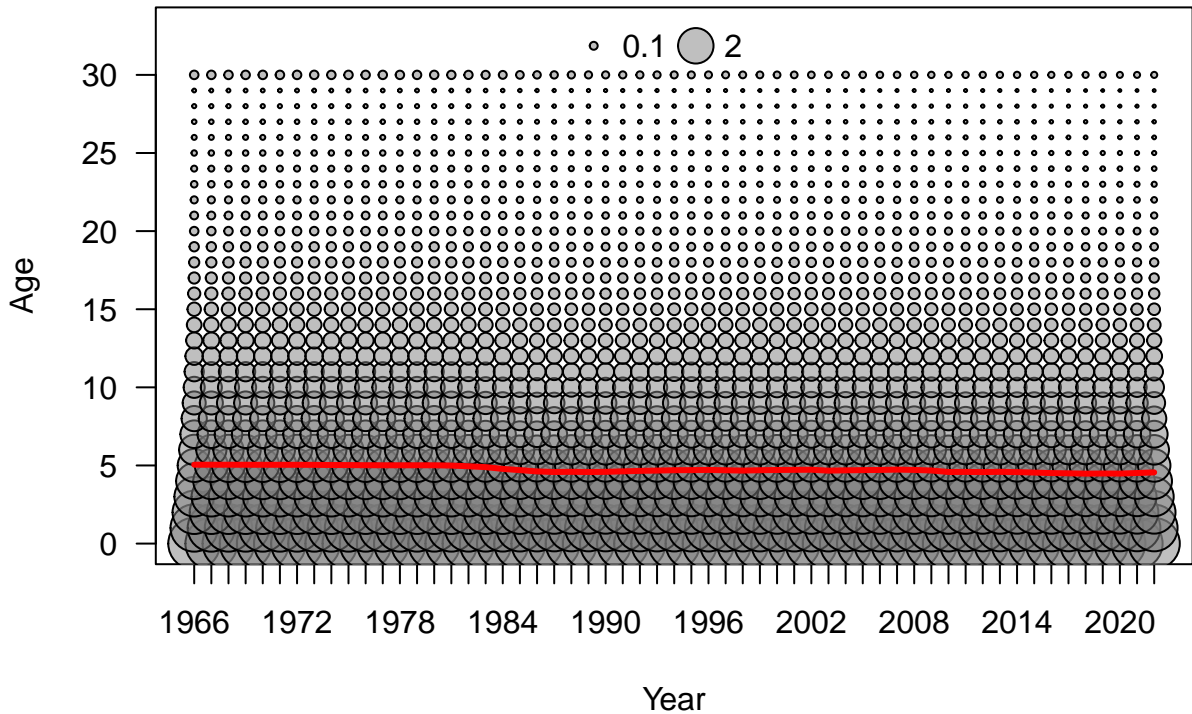


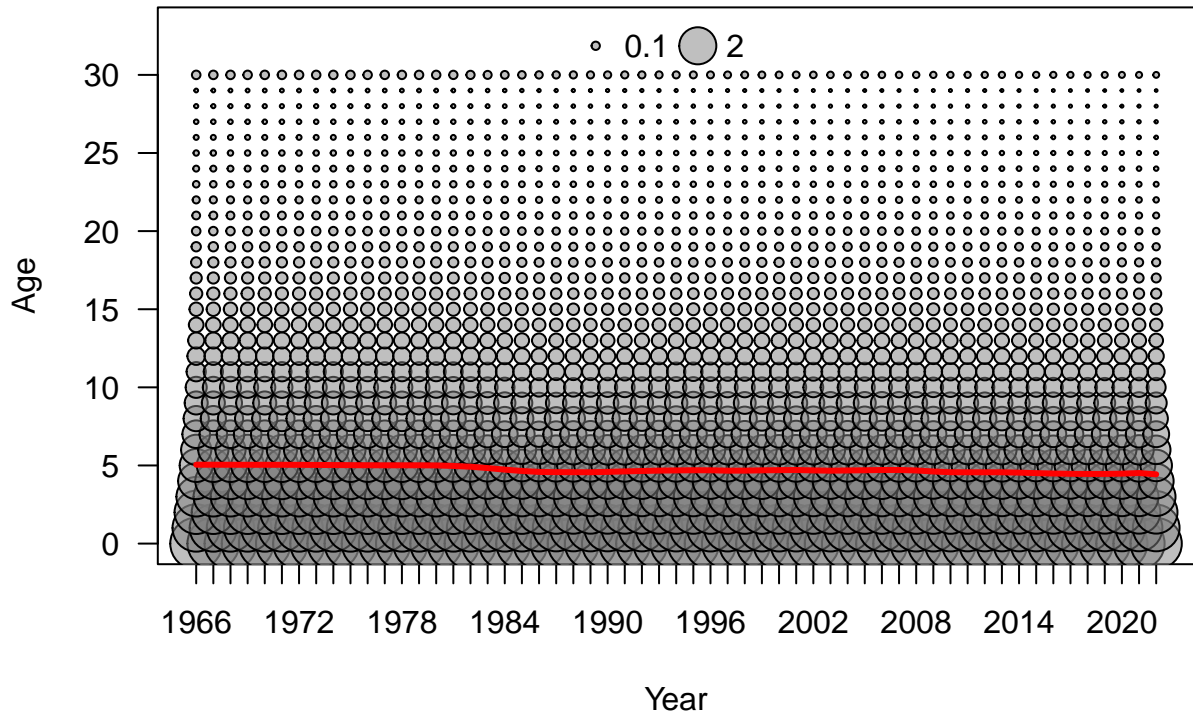


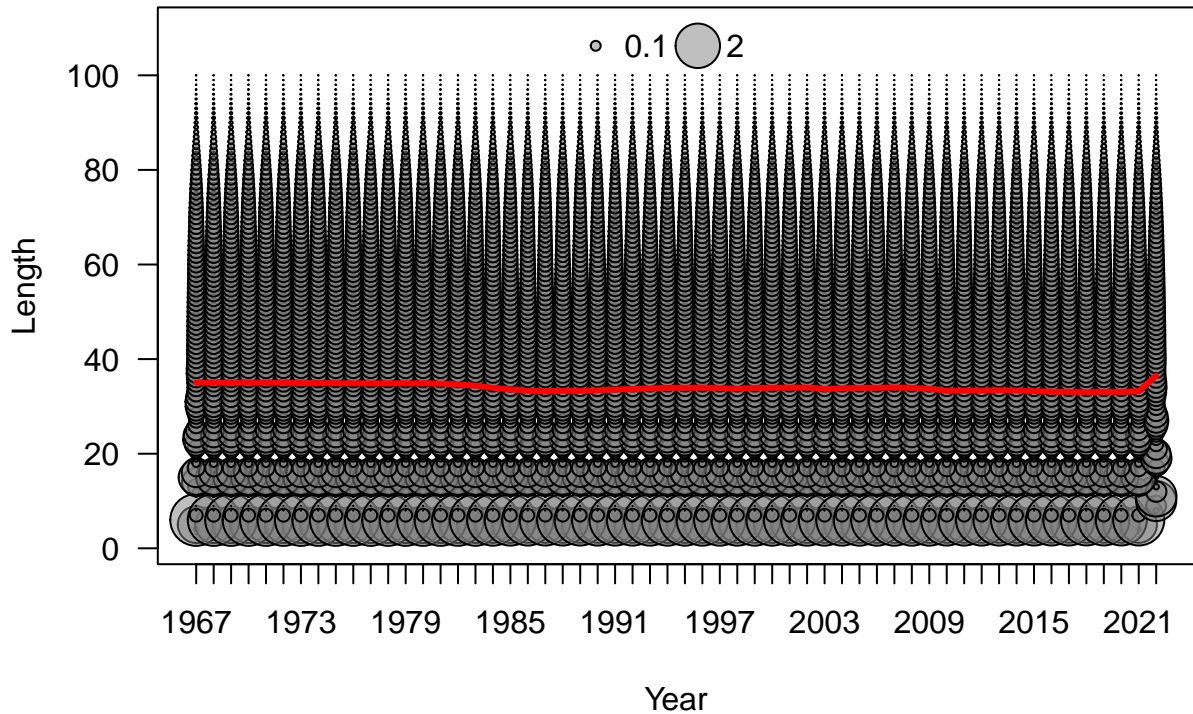


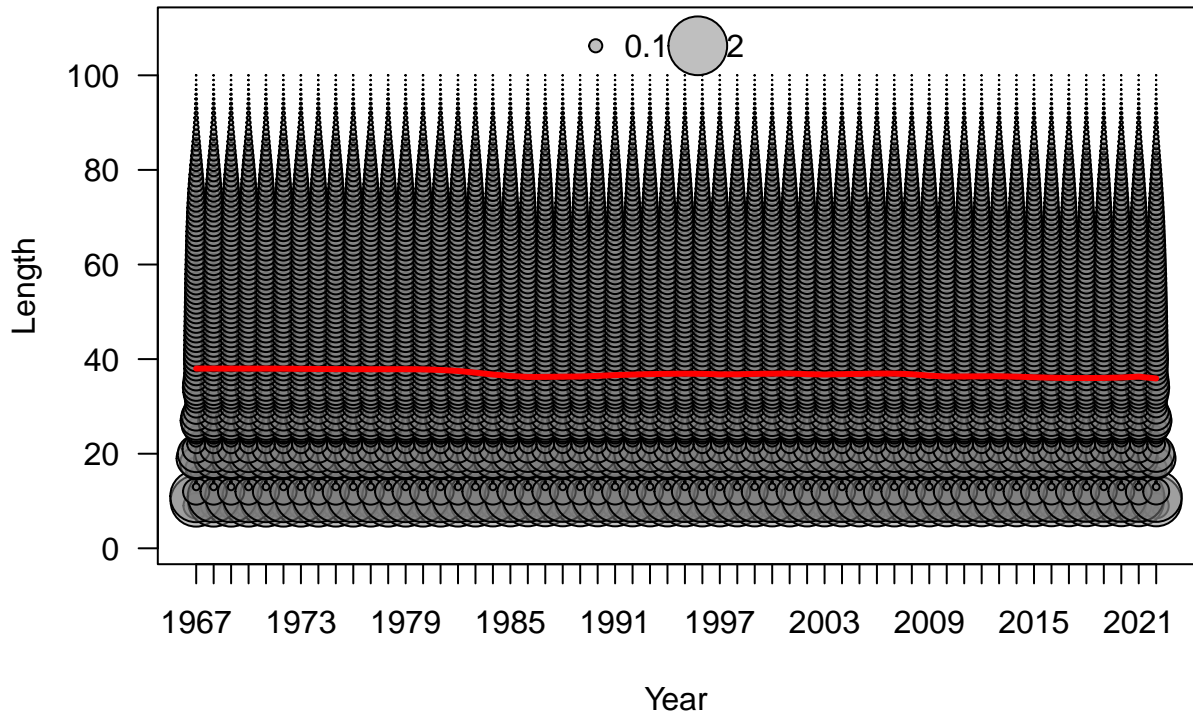


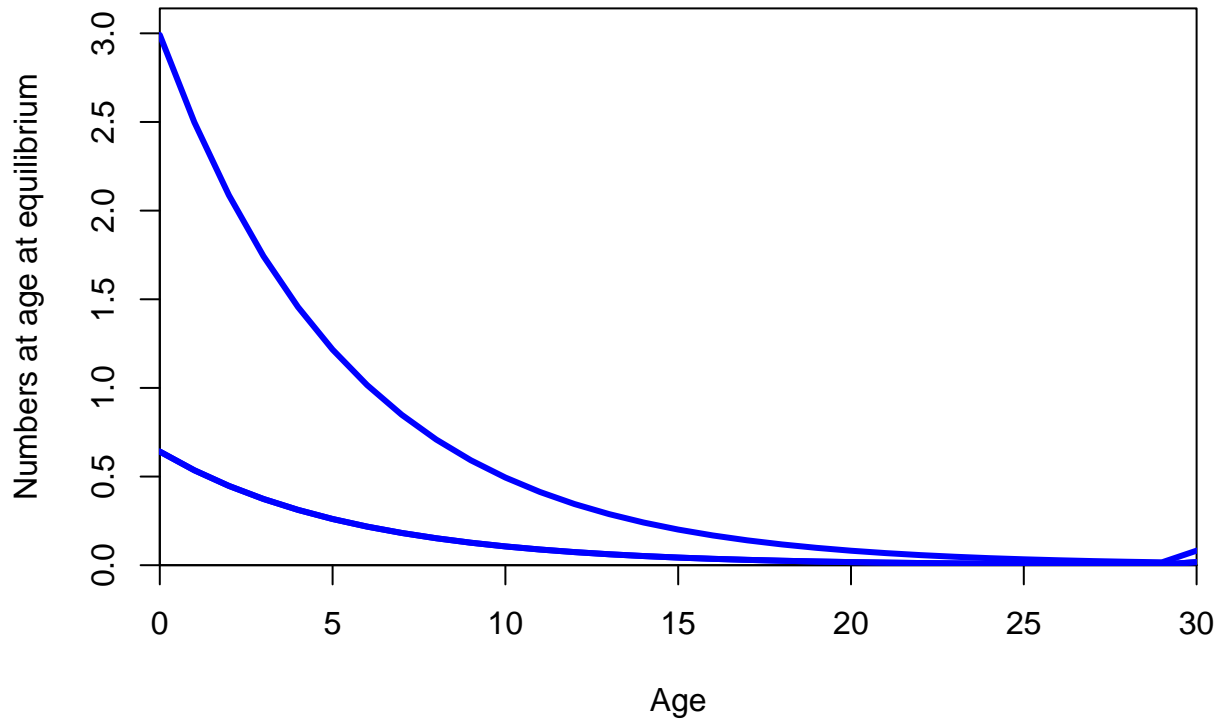






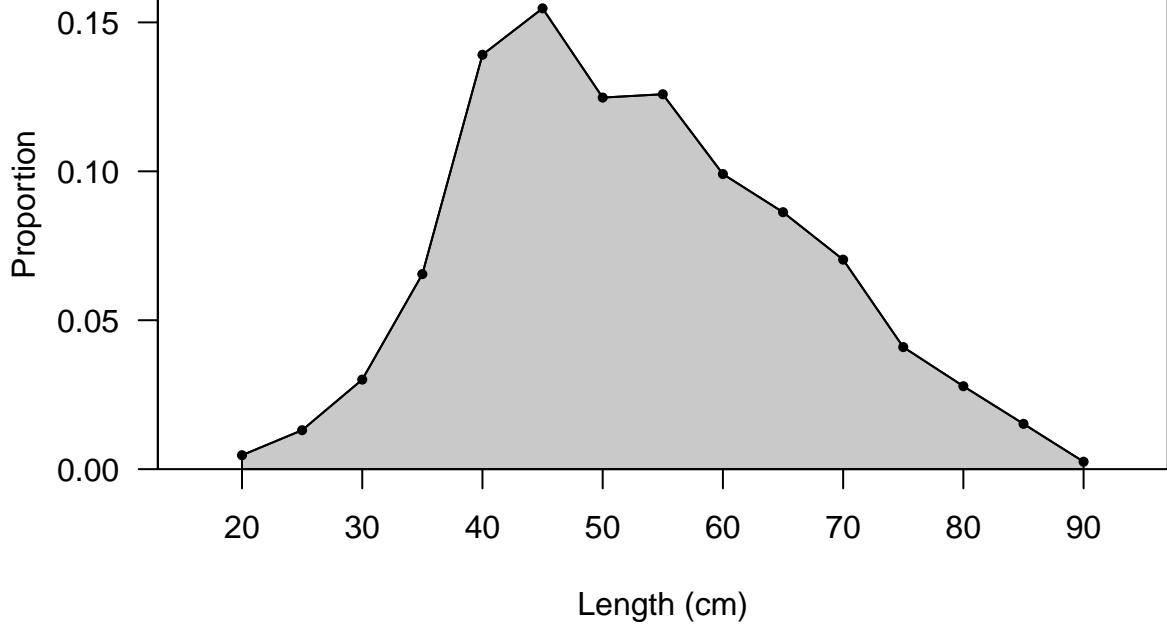






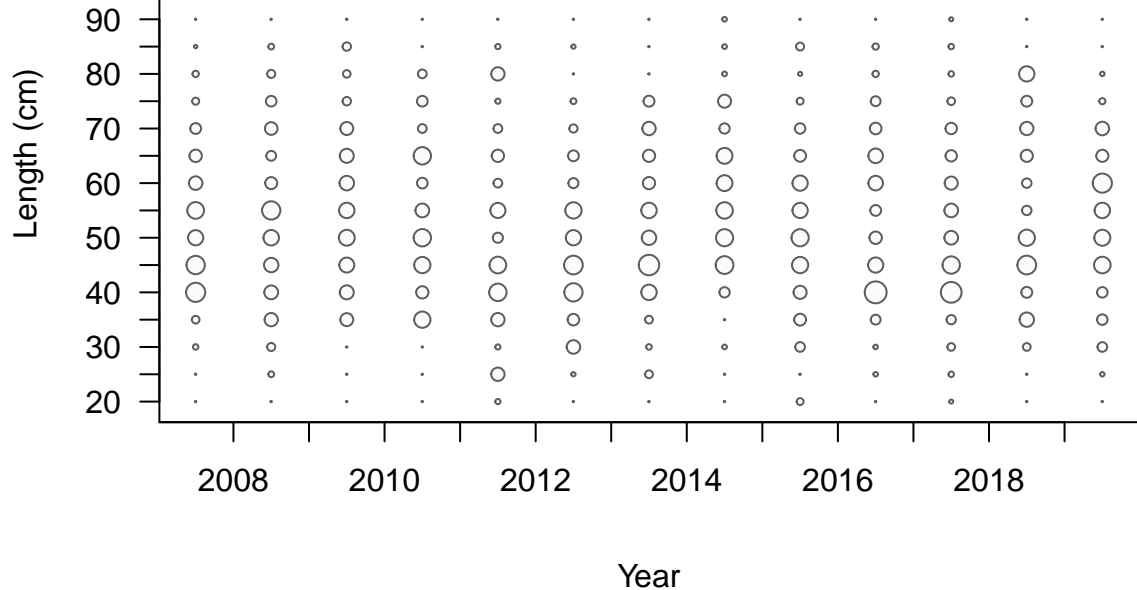
FISHERY

Sum of N input=1078

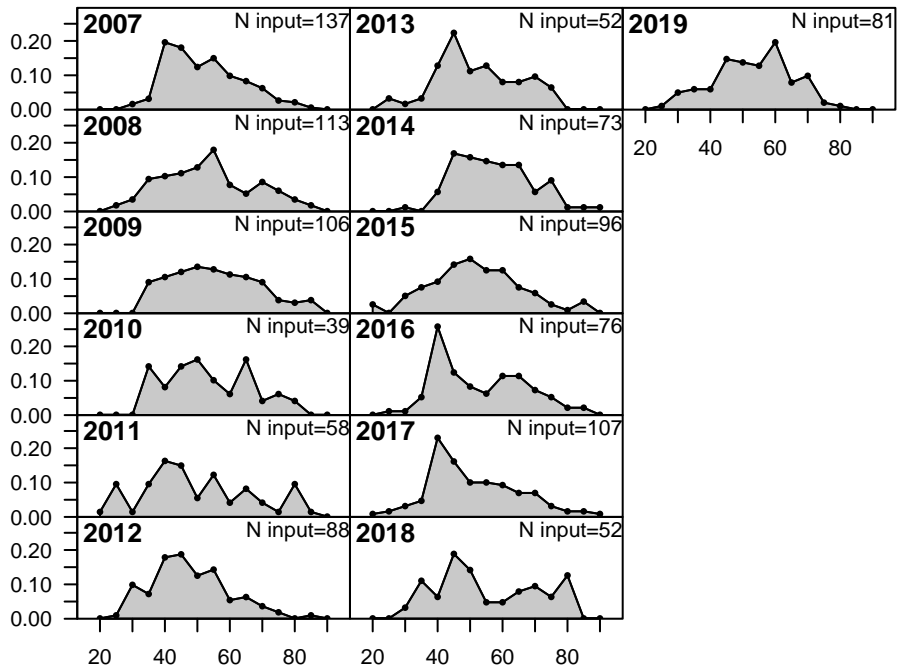


FISHERY

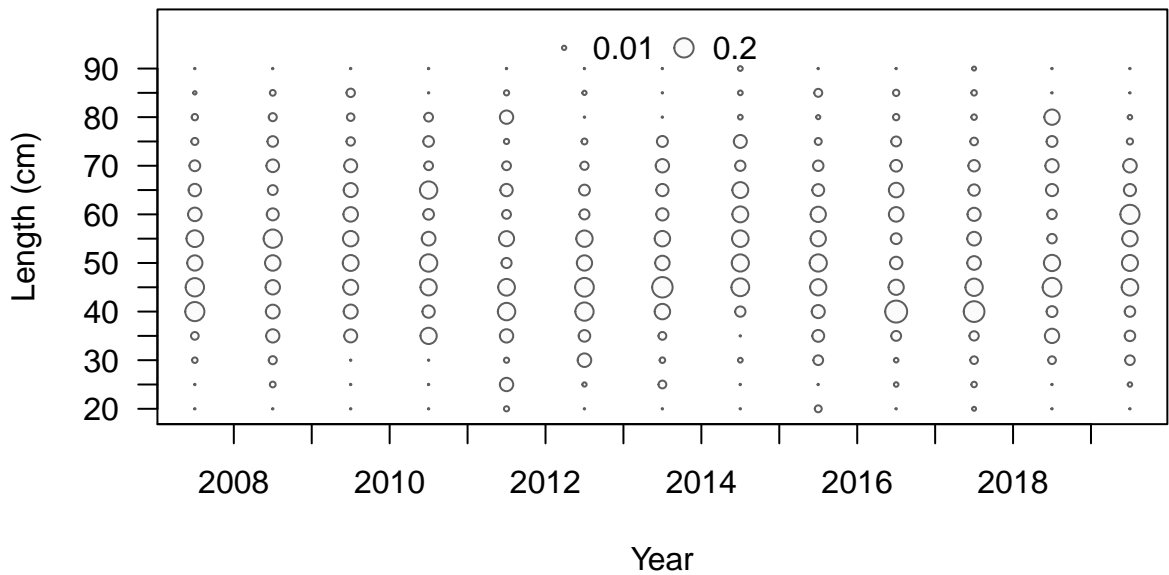
◦ 0.01 ○ 0.2



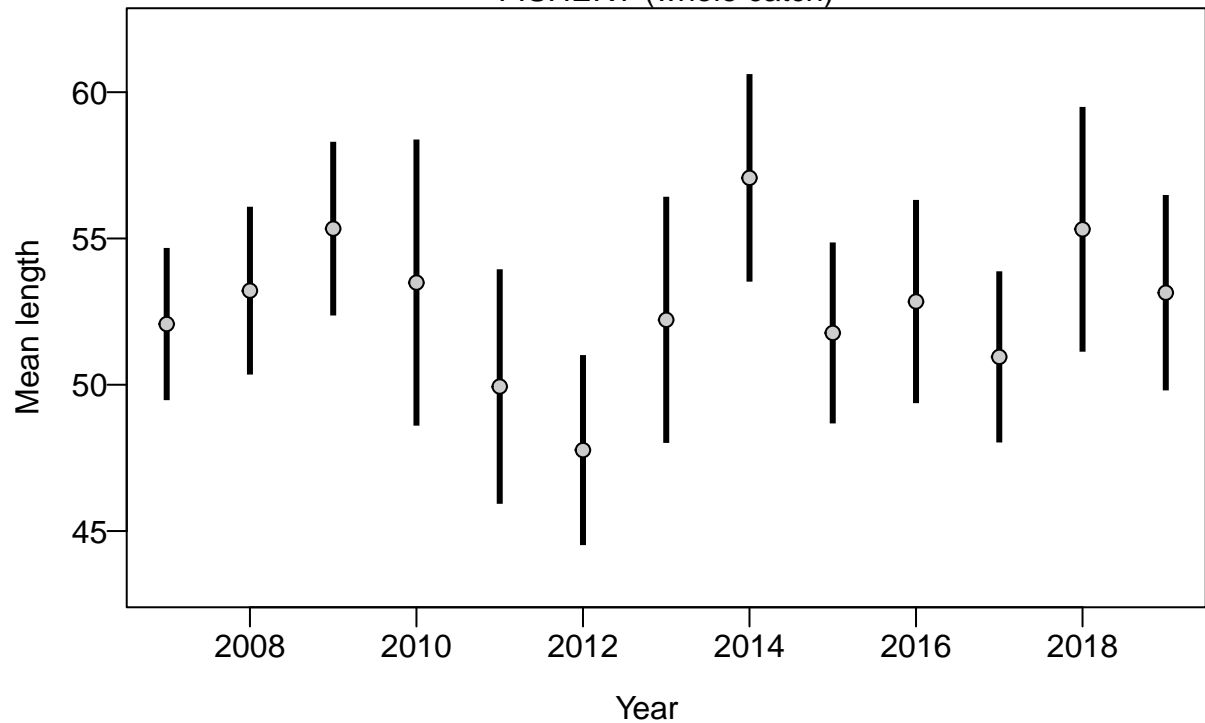
Proportion



Length (cm)

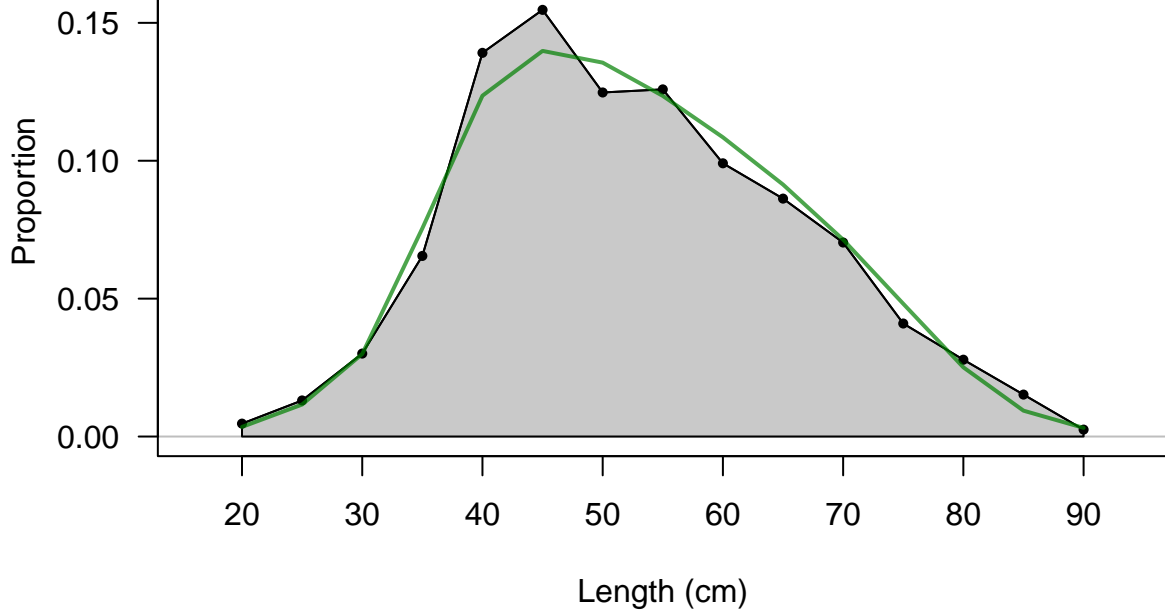


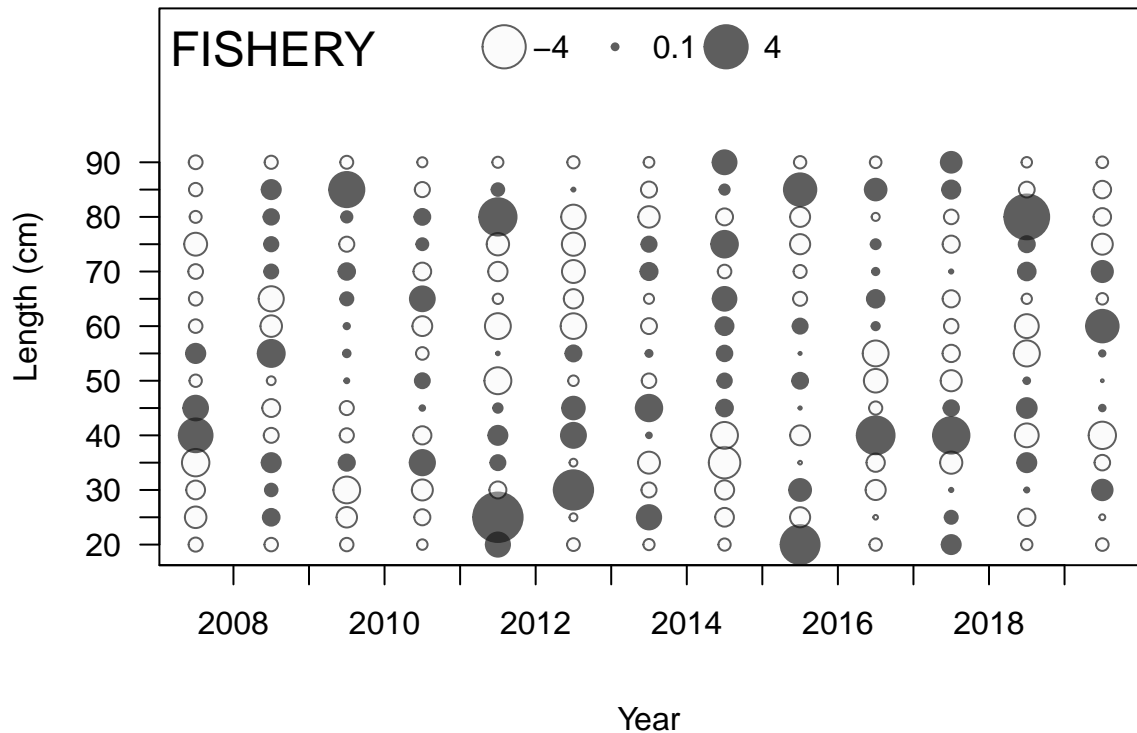
FISHERY (whole catch)

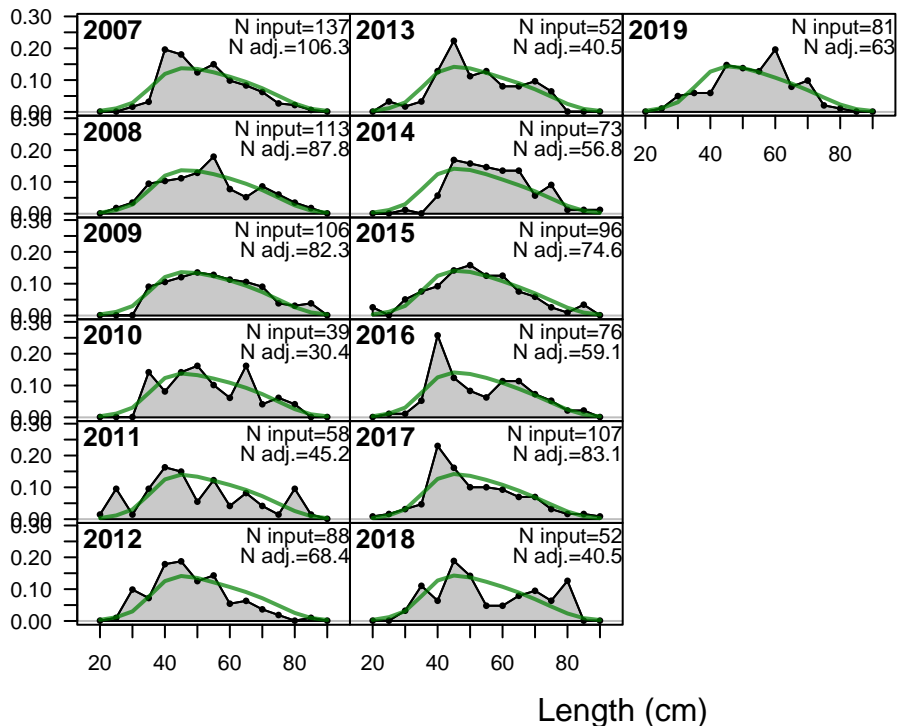


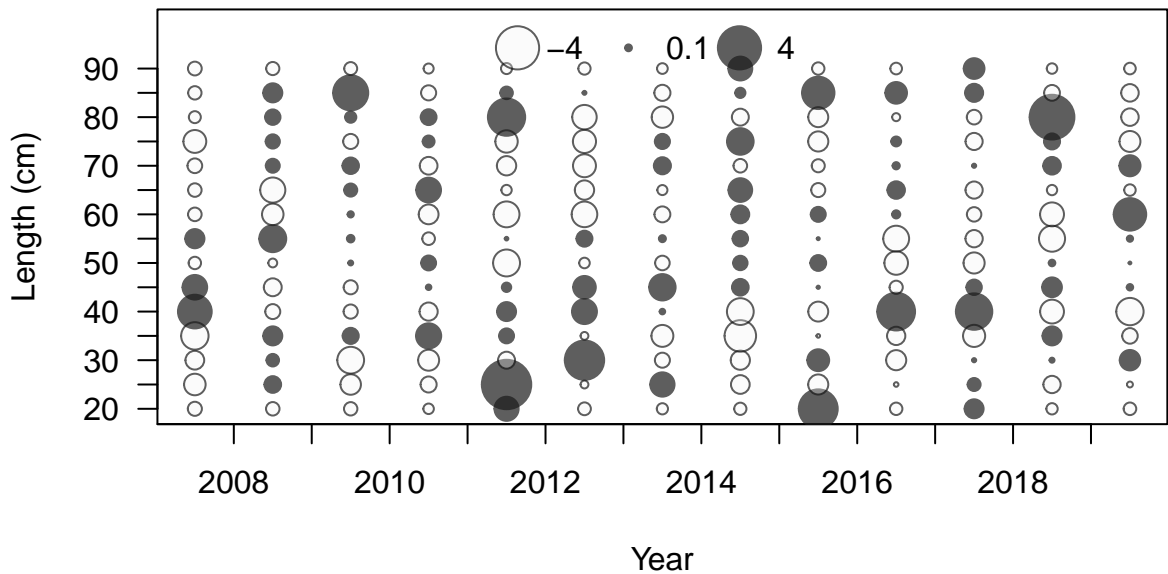
FISHERY

Sum of N input=1078
Sum of N adj.=837.9

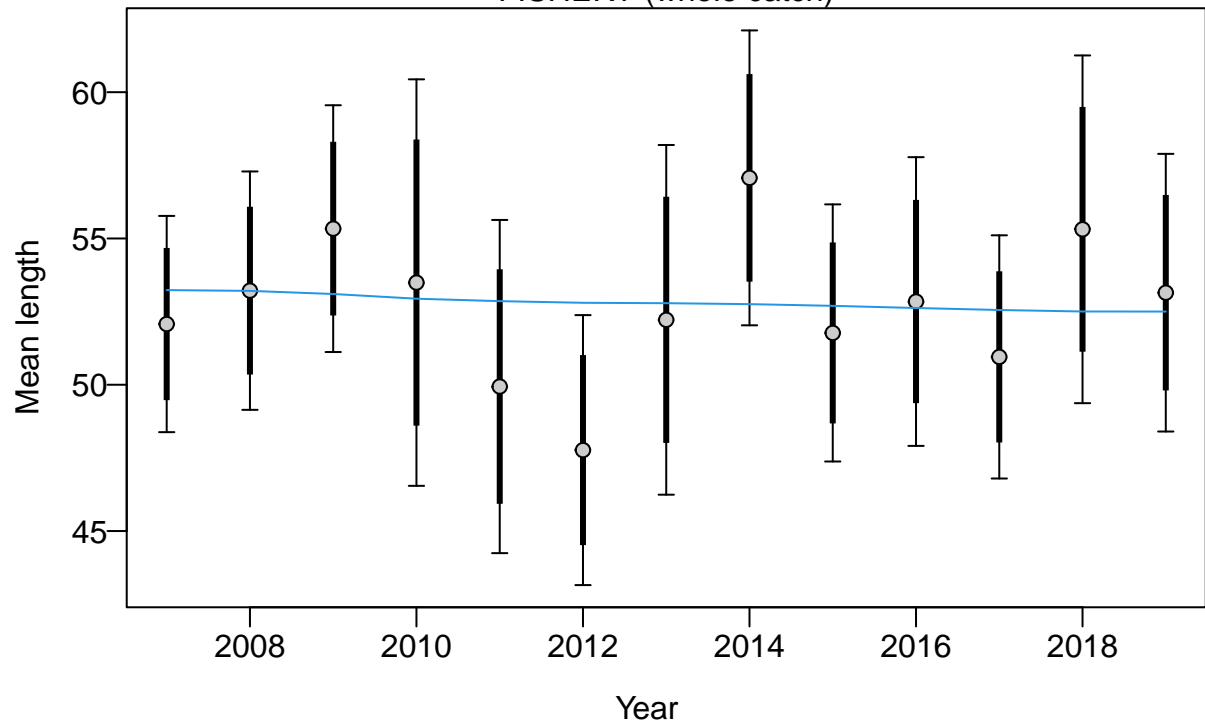


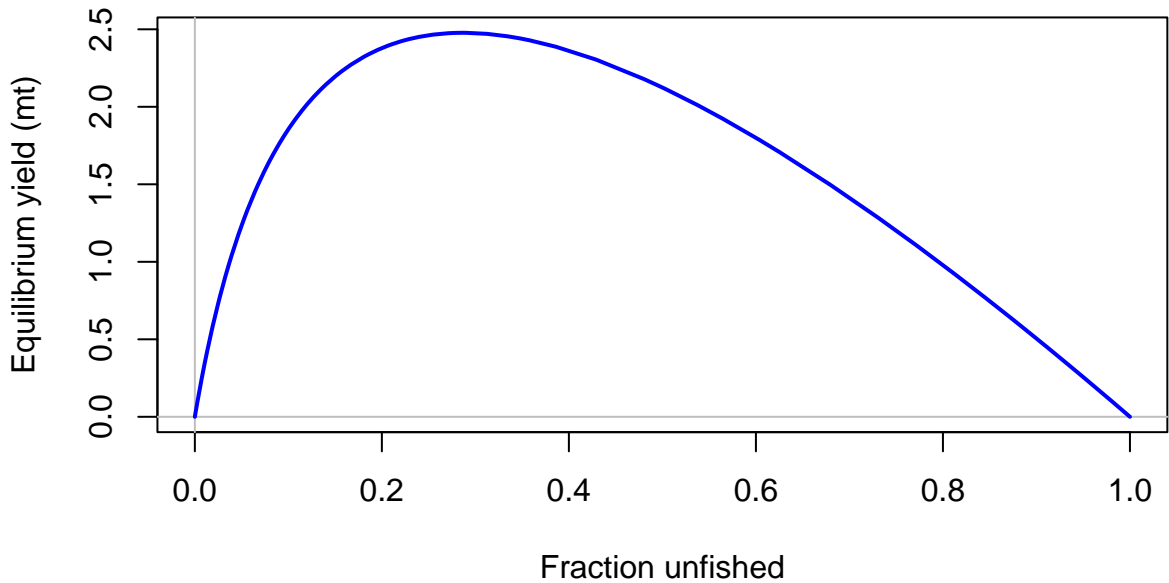


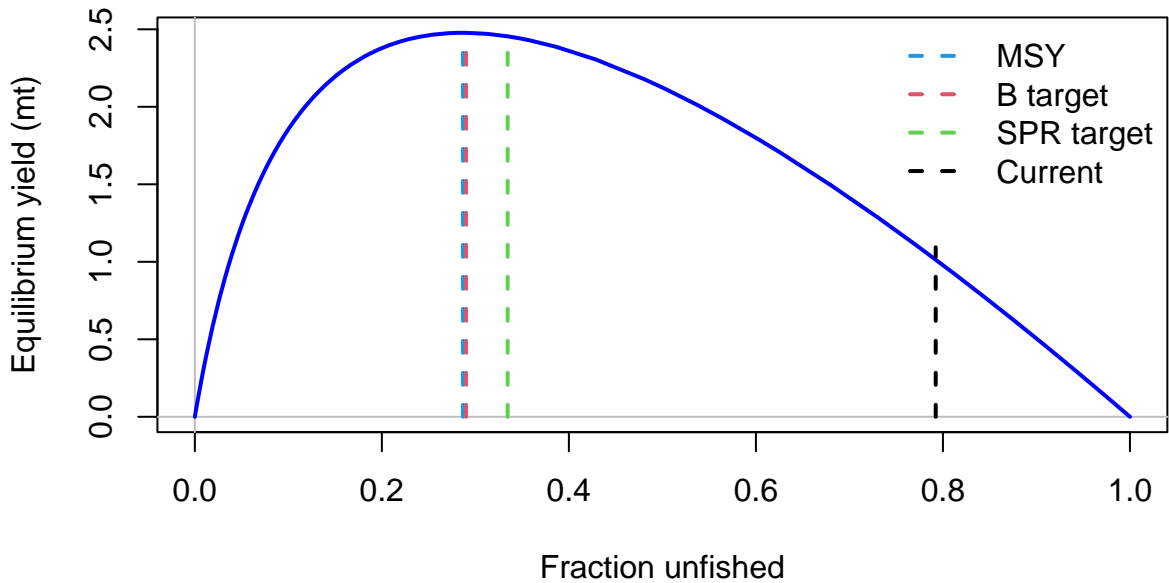


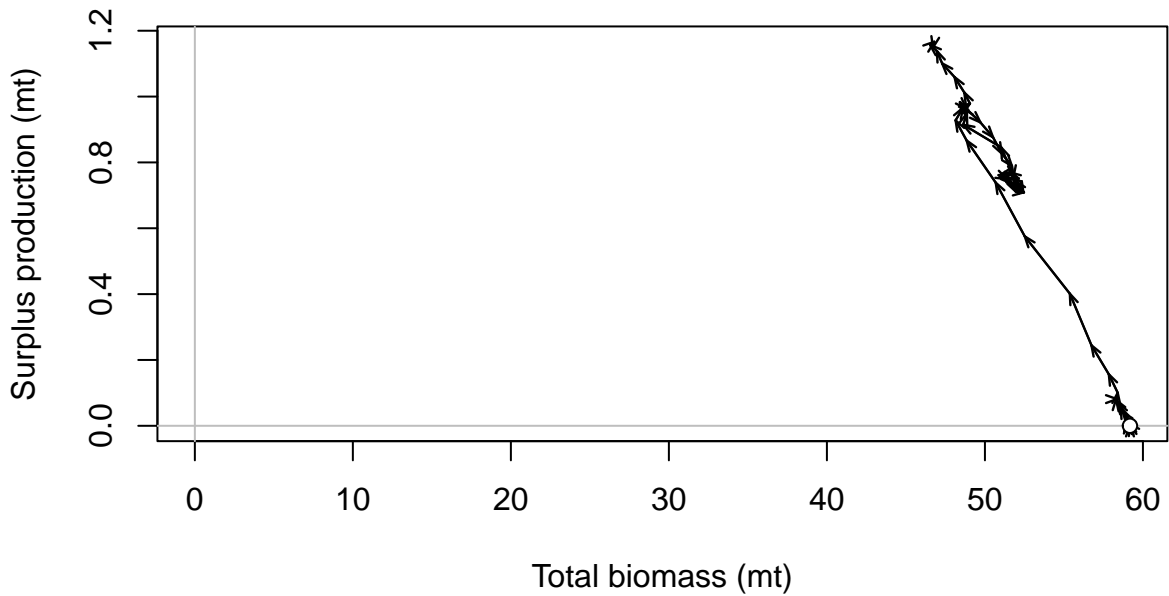


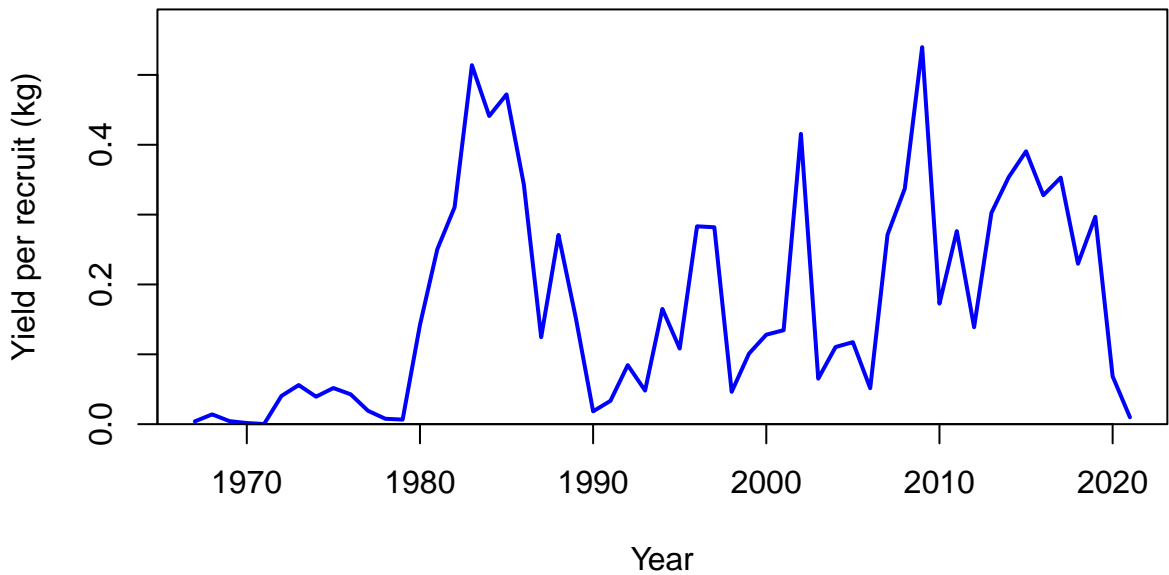
FISHERY (whole catch)

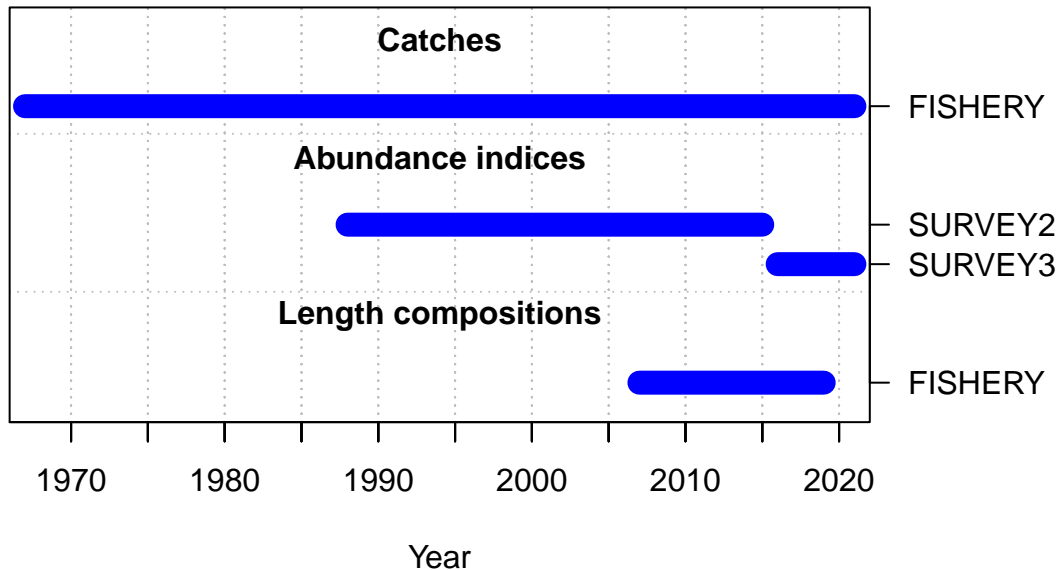


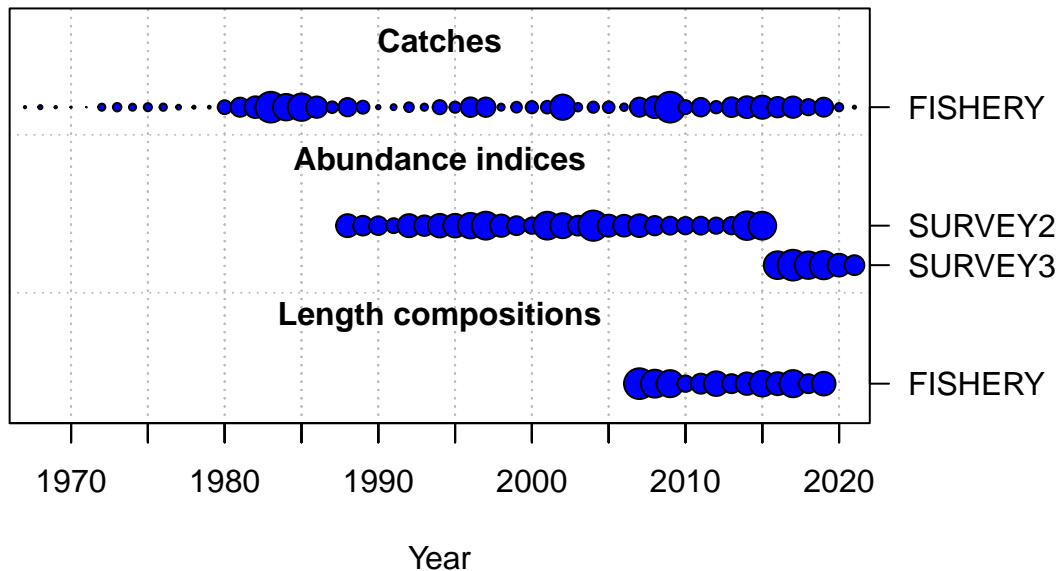




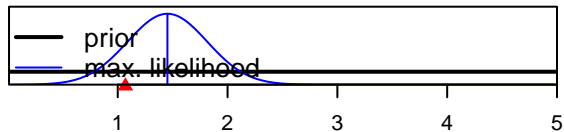




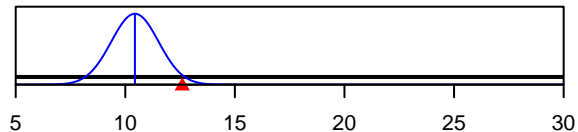




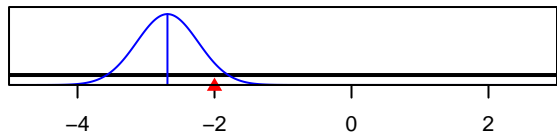
SR_LN(R0)



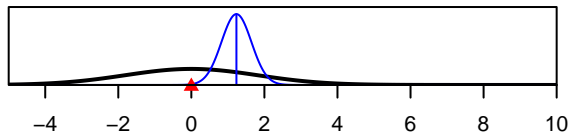
Size_95%width_FISHERY(1)



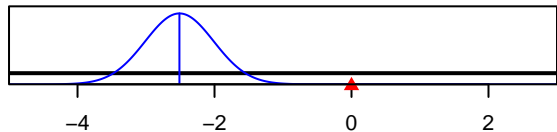
LnQ_base_SURVEY2(2)



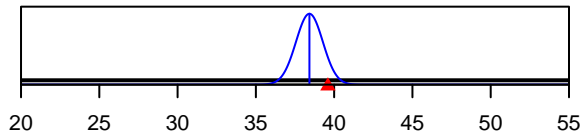
ln(DM_theta)_1



LnQ_base_SURVEY3(3)



Size_inflection_FISHERY(1)



Parameter value