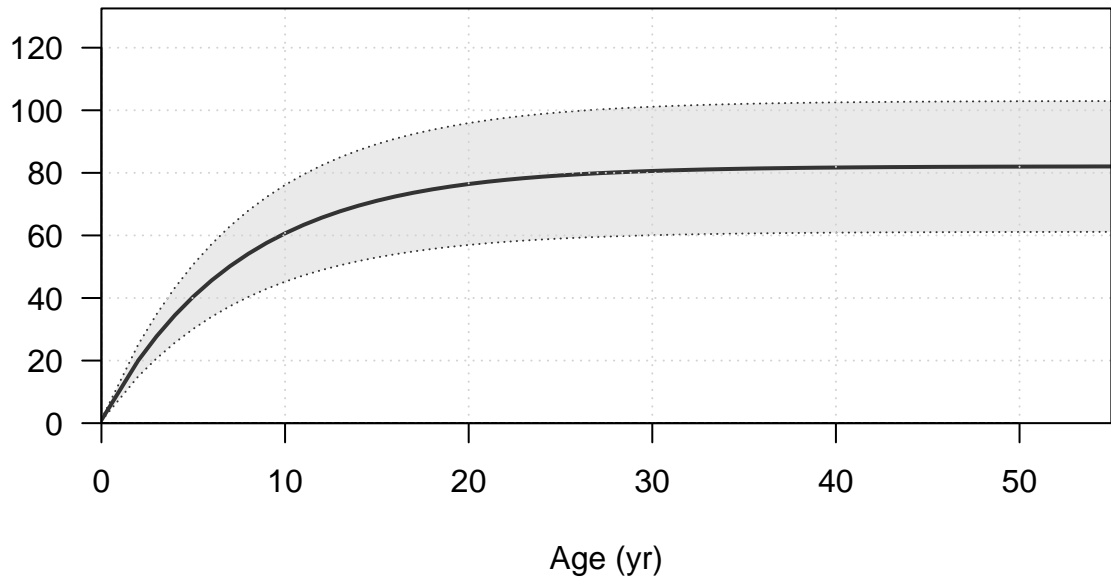
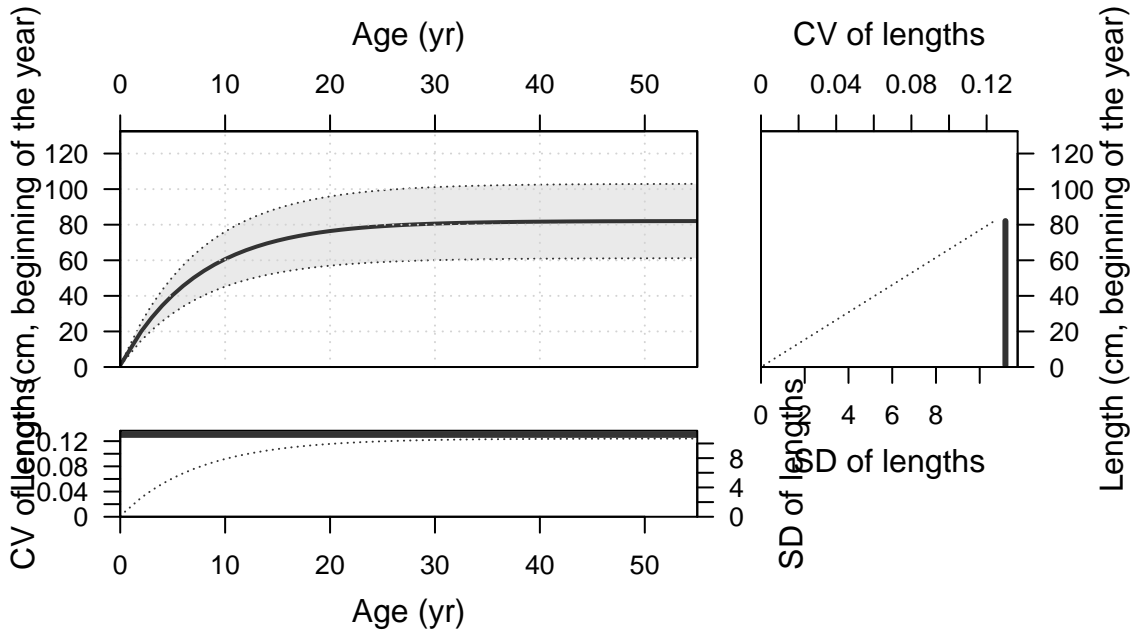
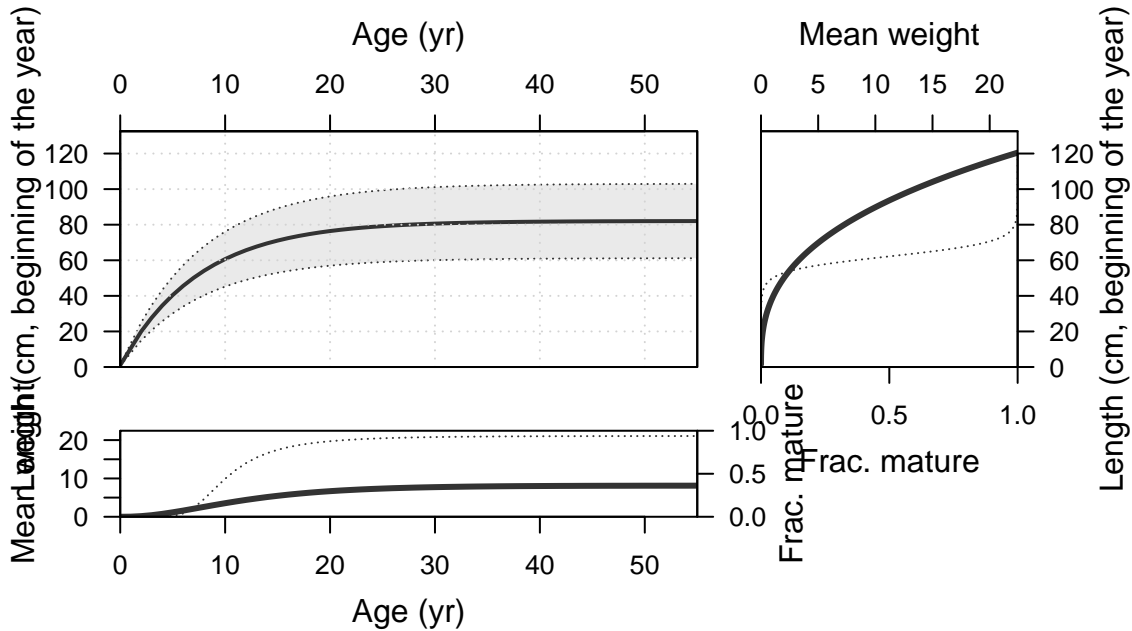


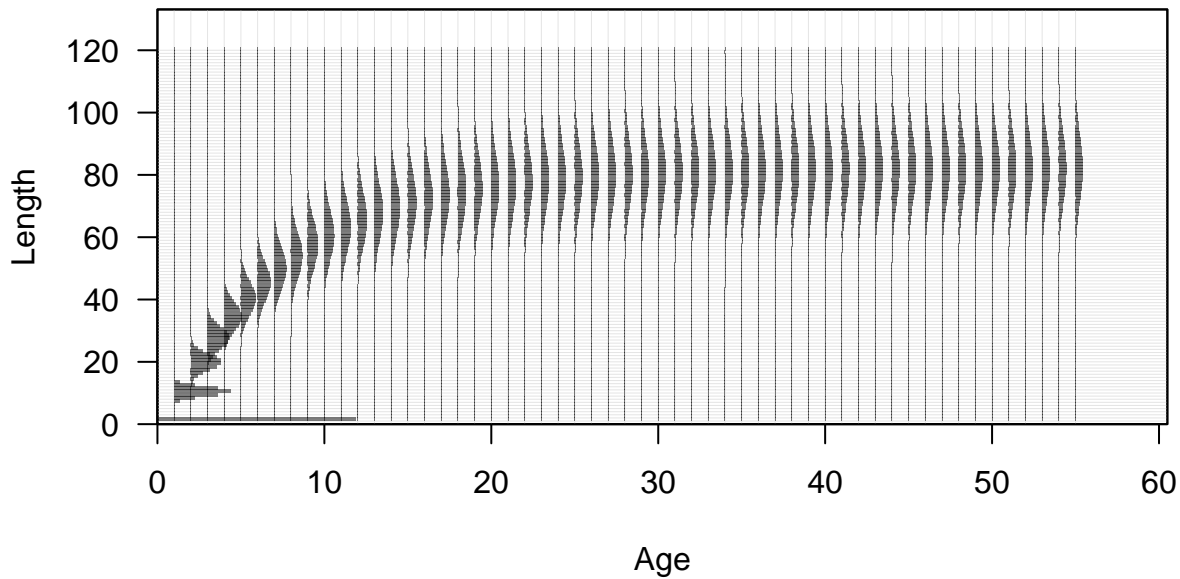
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Wed Jul 06 10:06:00 2022
Data_File: data.ss
Control_File: control.ss

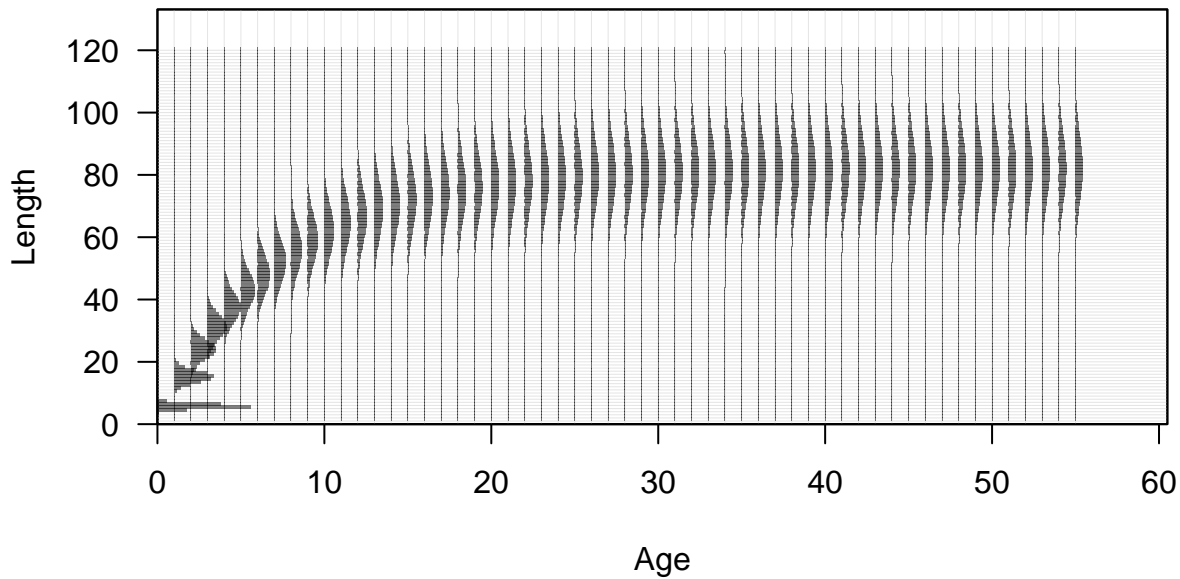
Length (cm, beginning of the year)



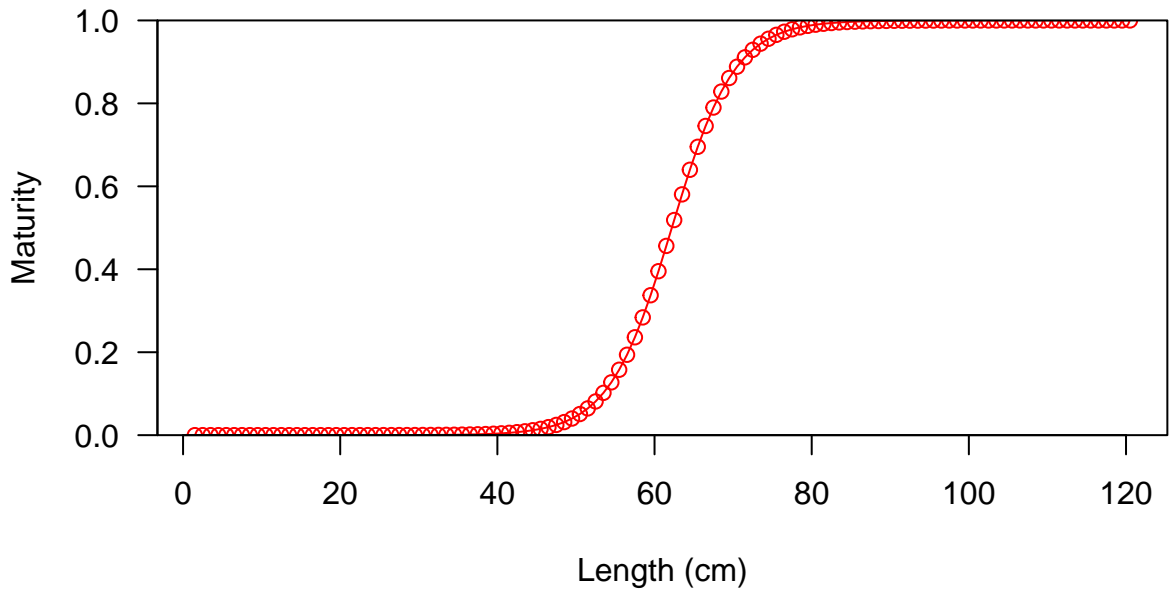














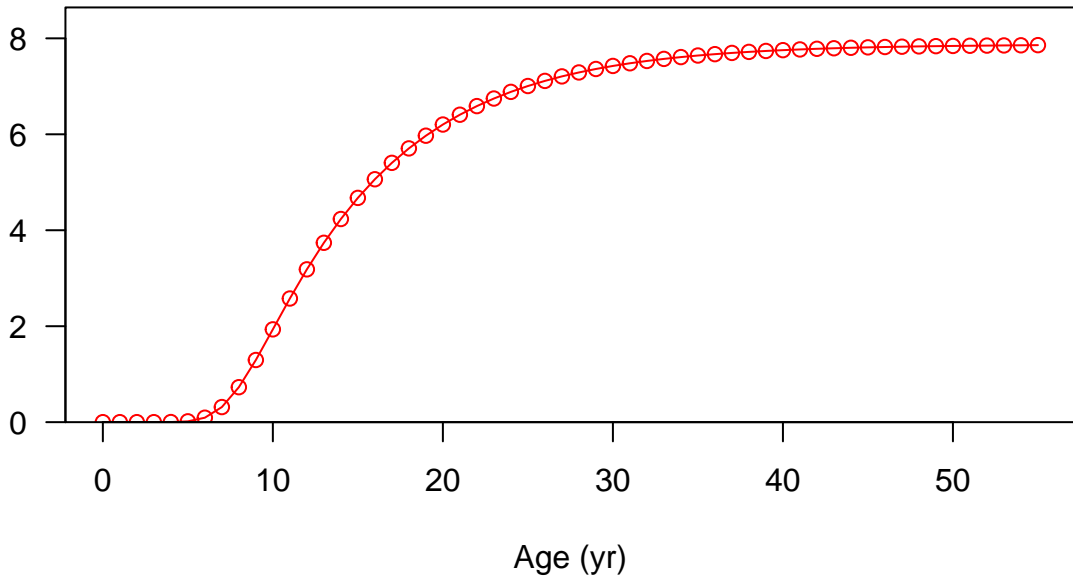


Fecundity

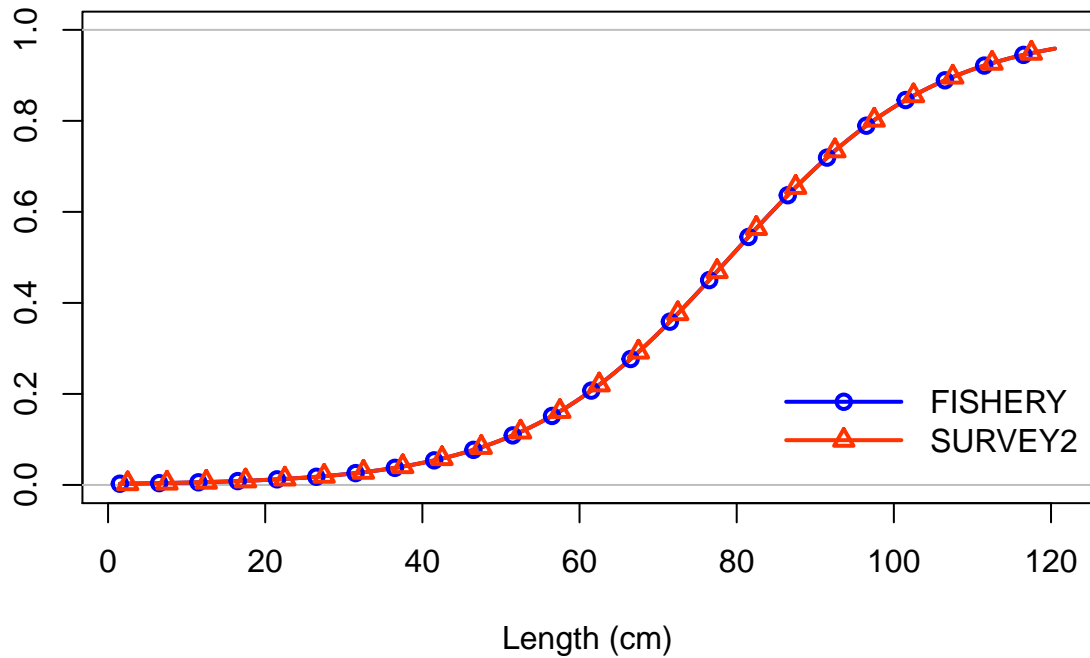




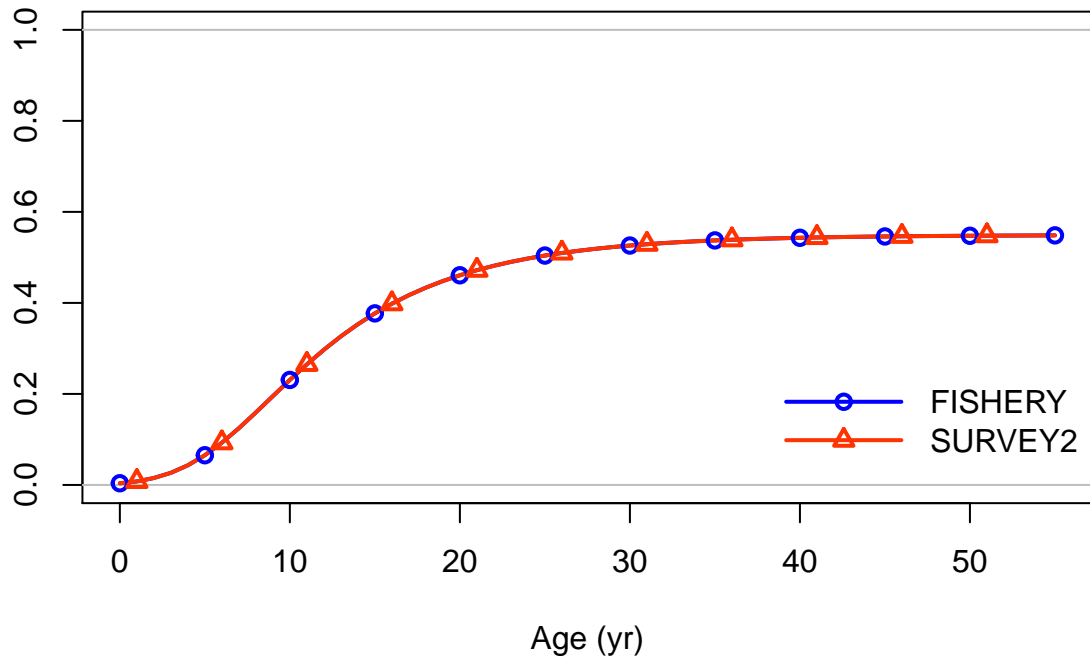
Spawning output



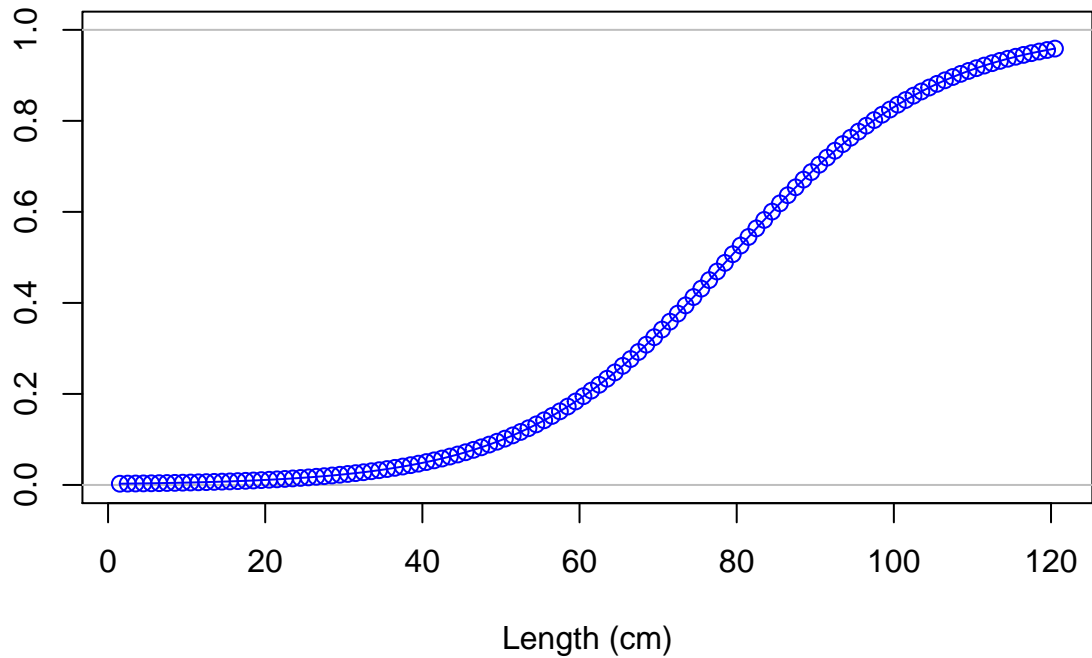
Selectivity



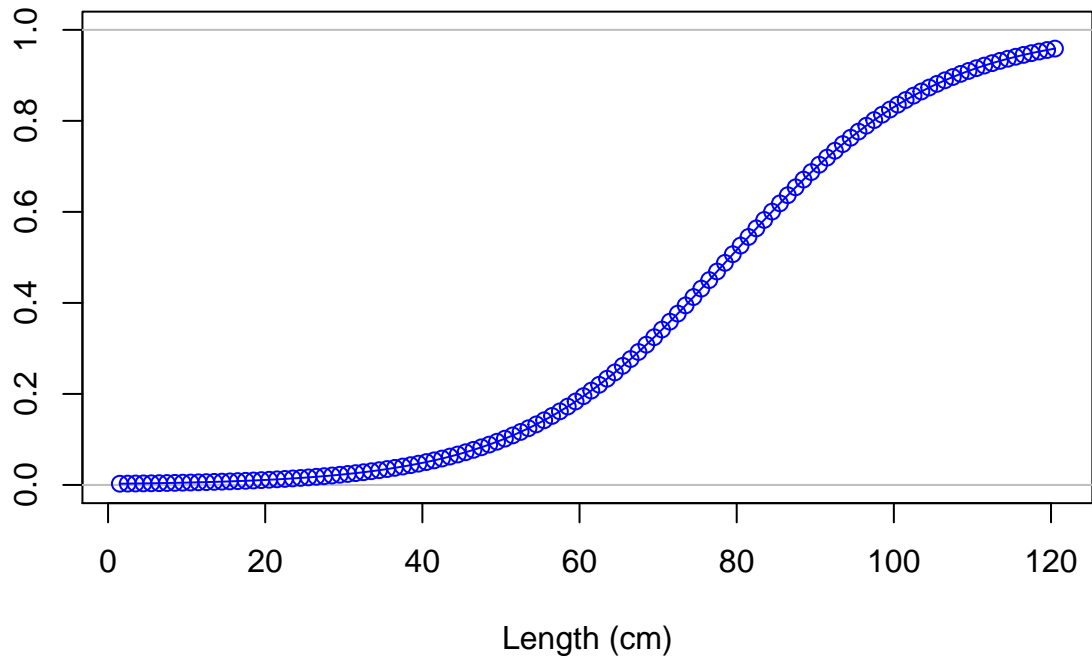
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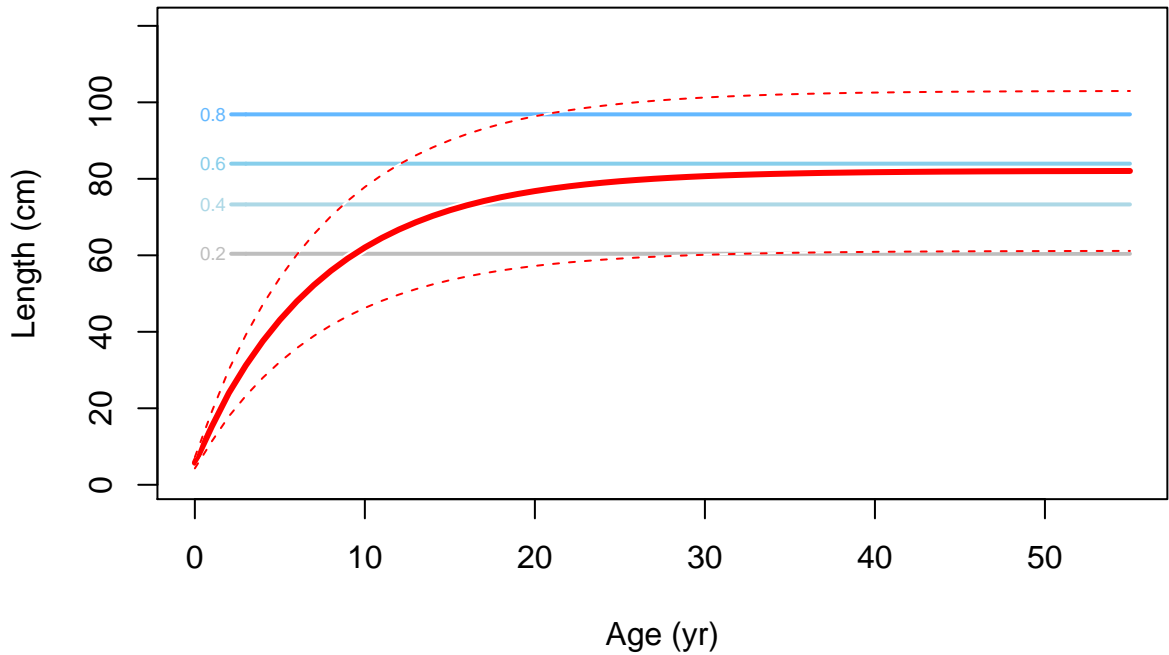


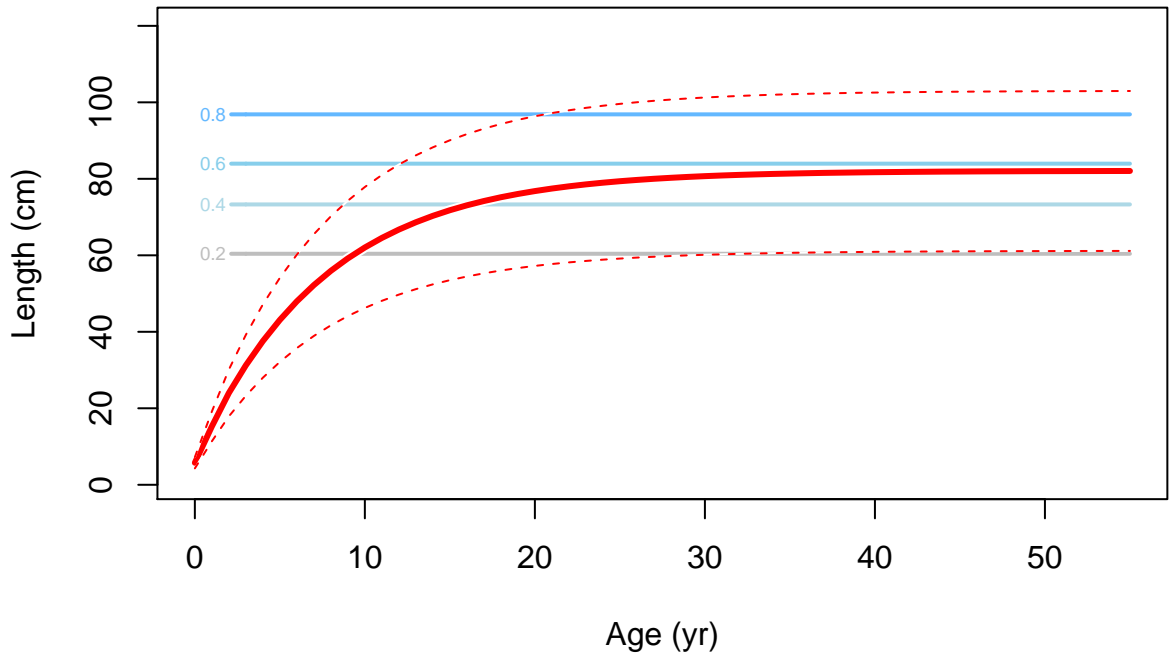
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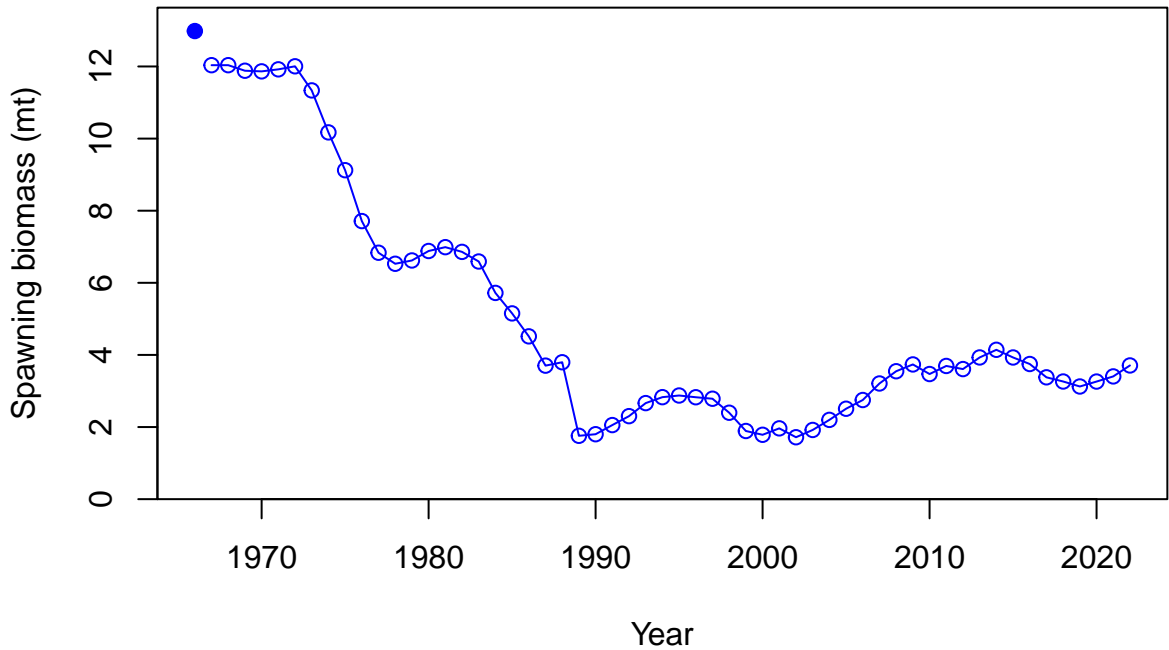


Selectivity

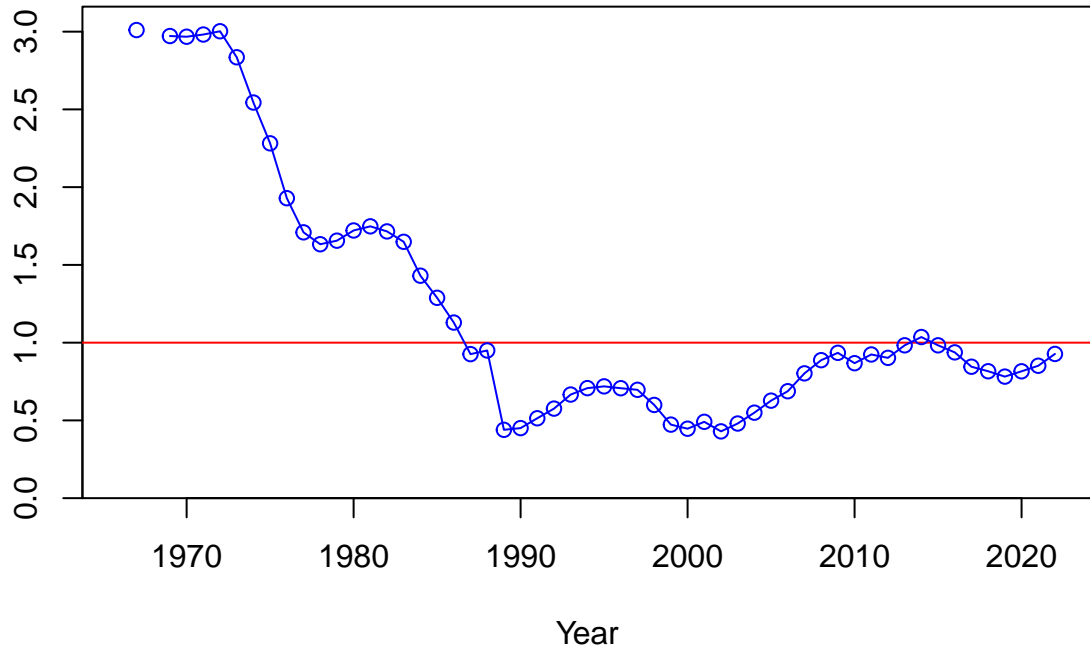


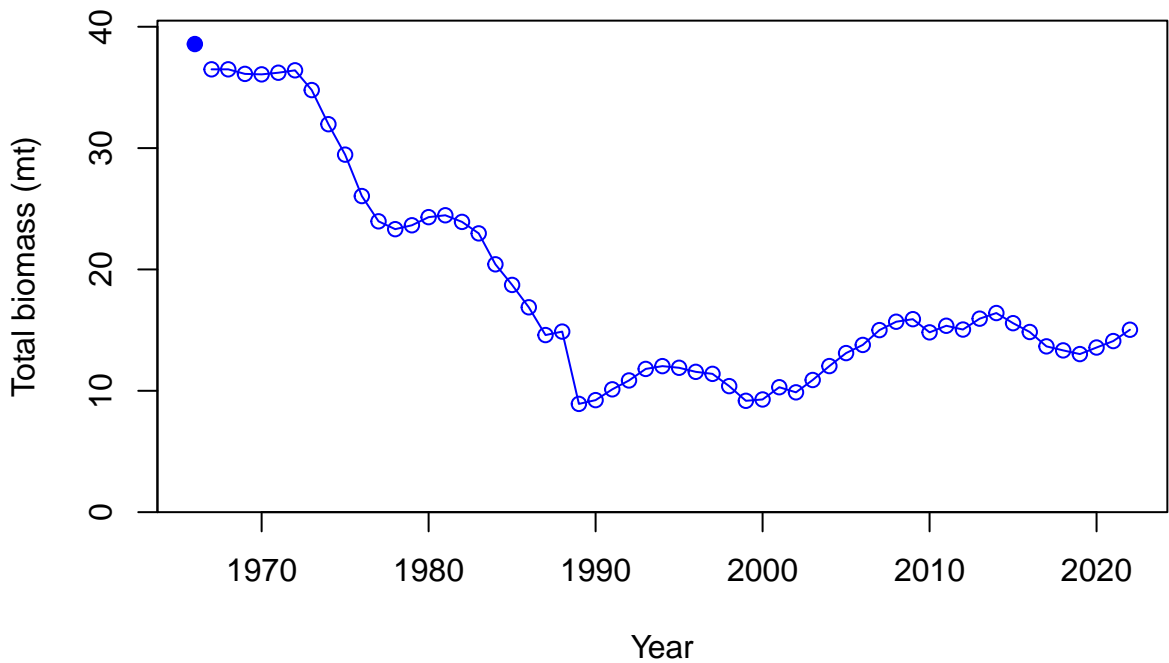


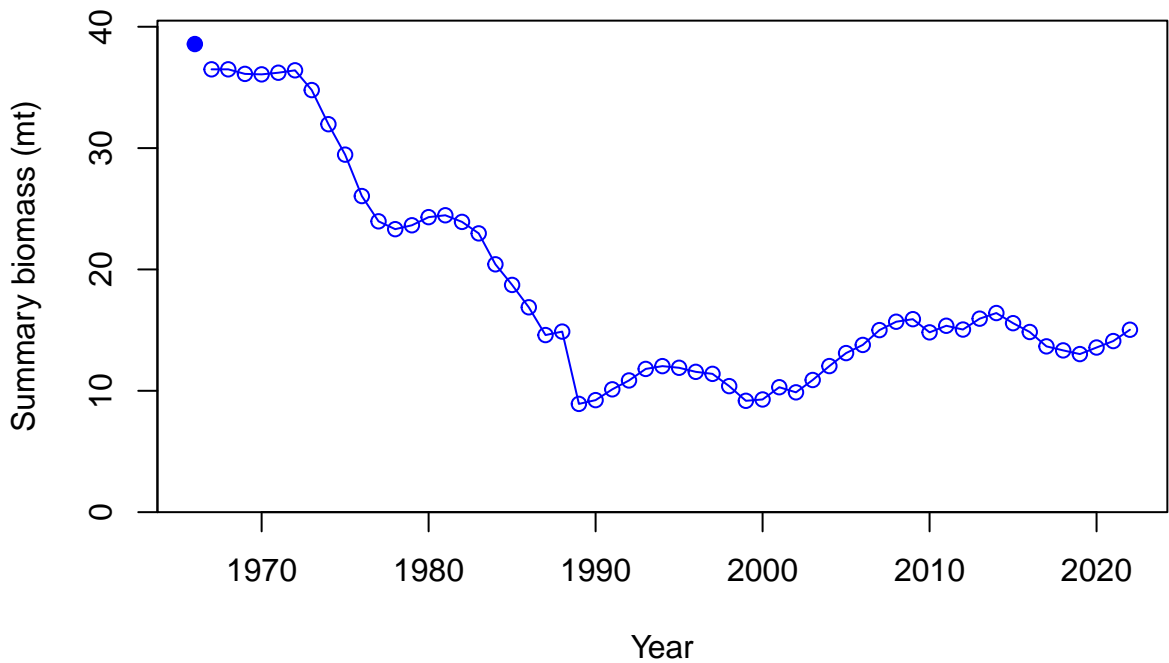




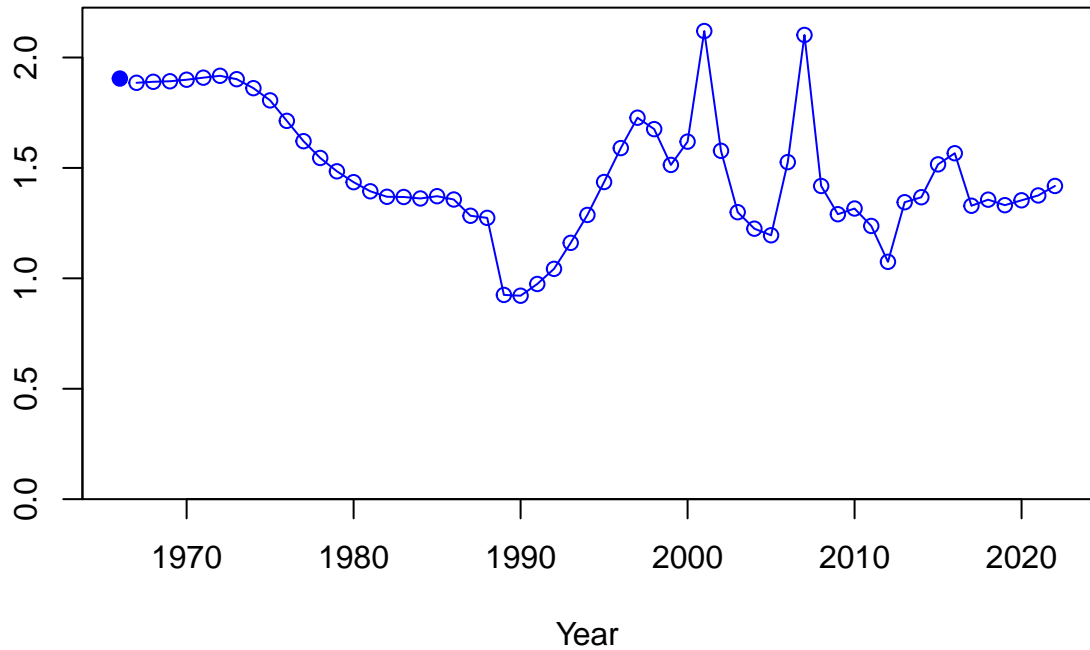
Relative spawning biomass: B/B_{MSY}



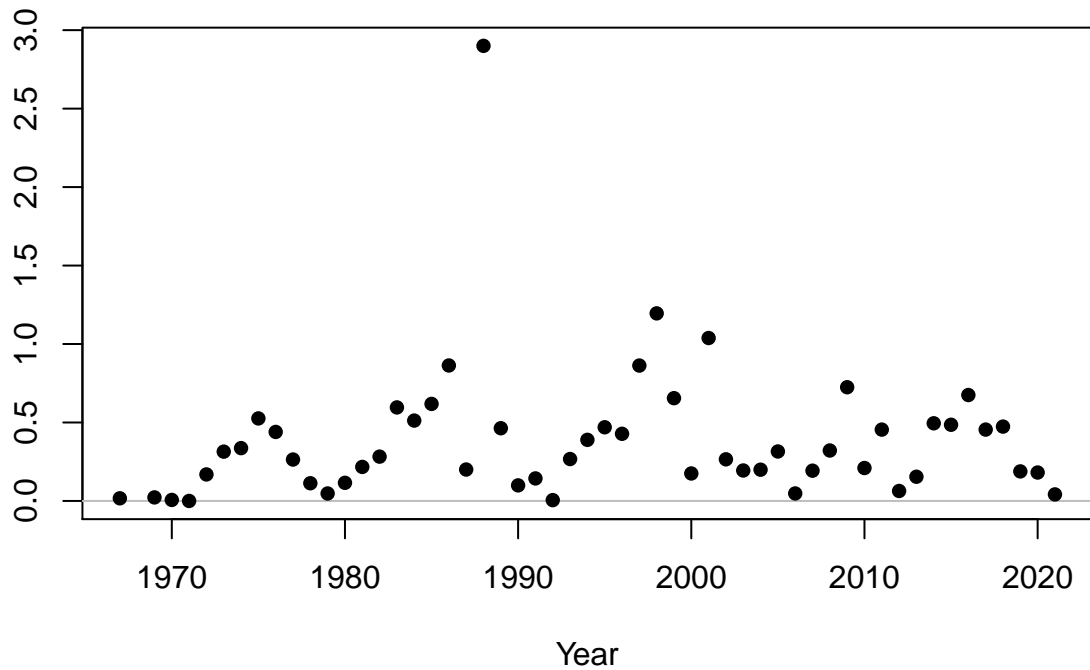




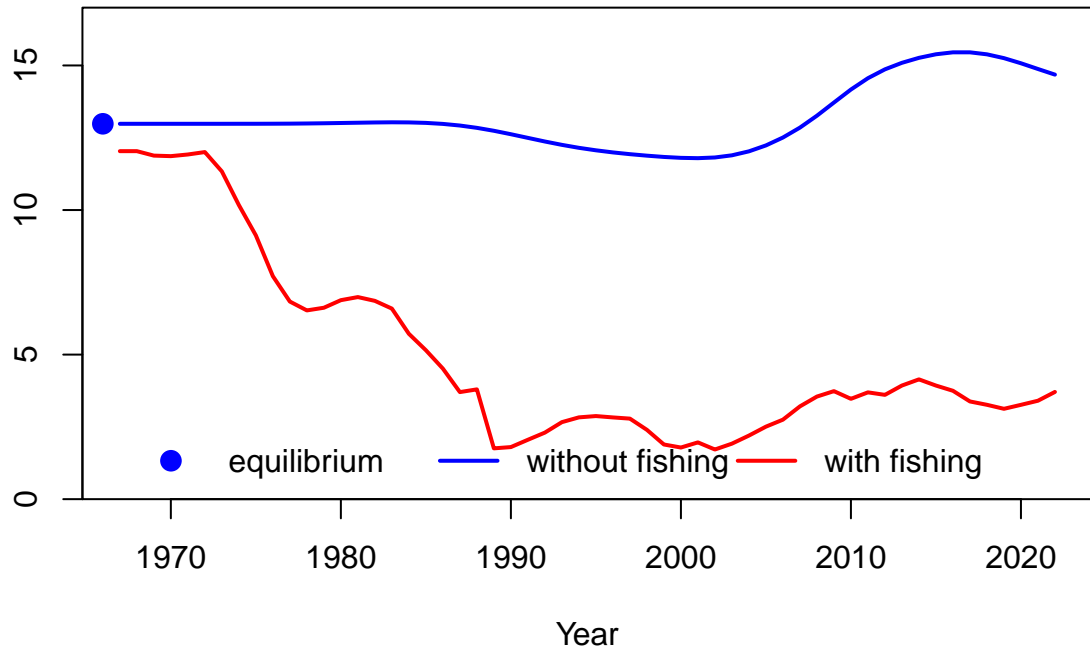
Age-0 recruits (1,000s)



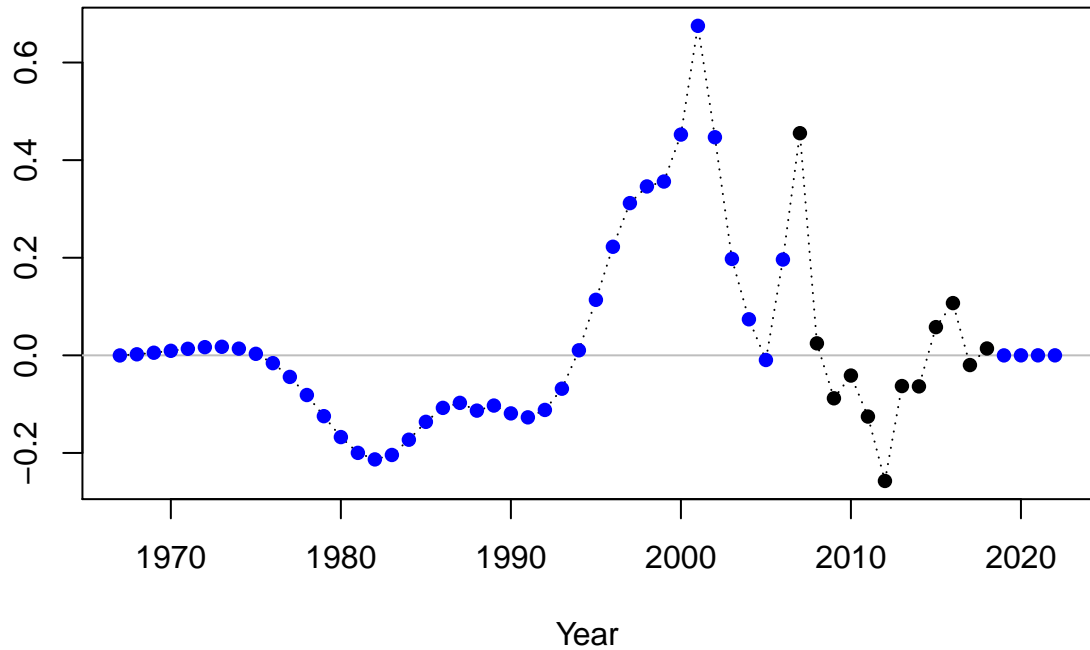
Summary Fishing Mortality

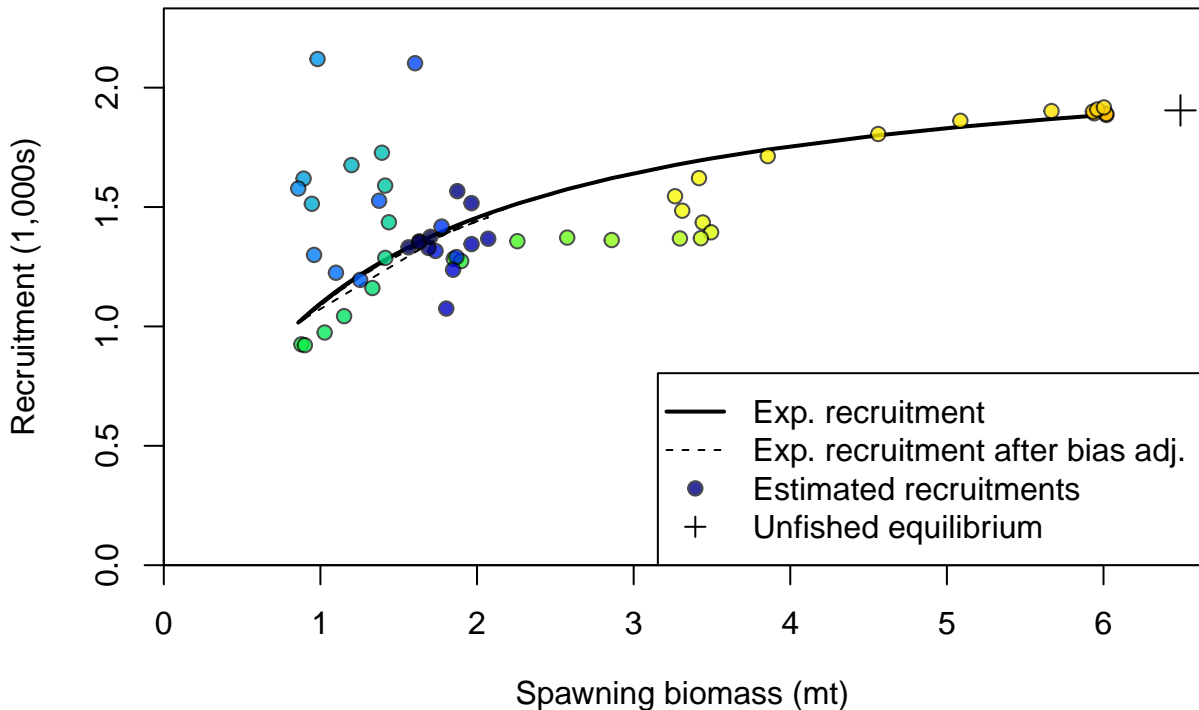


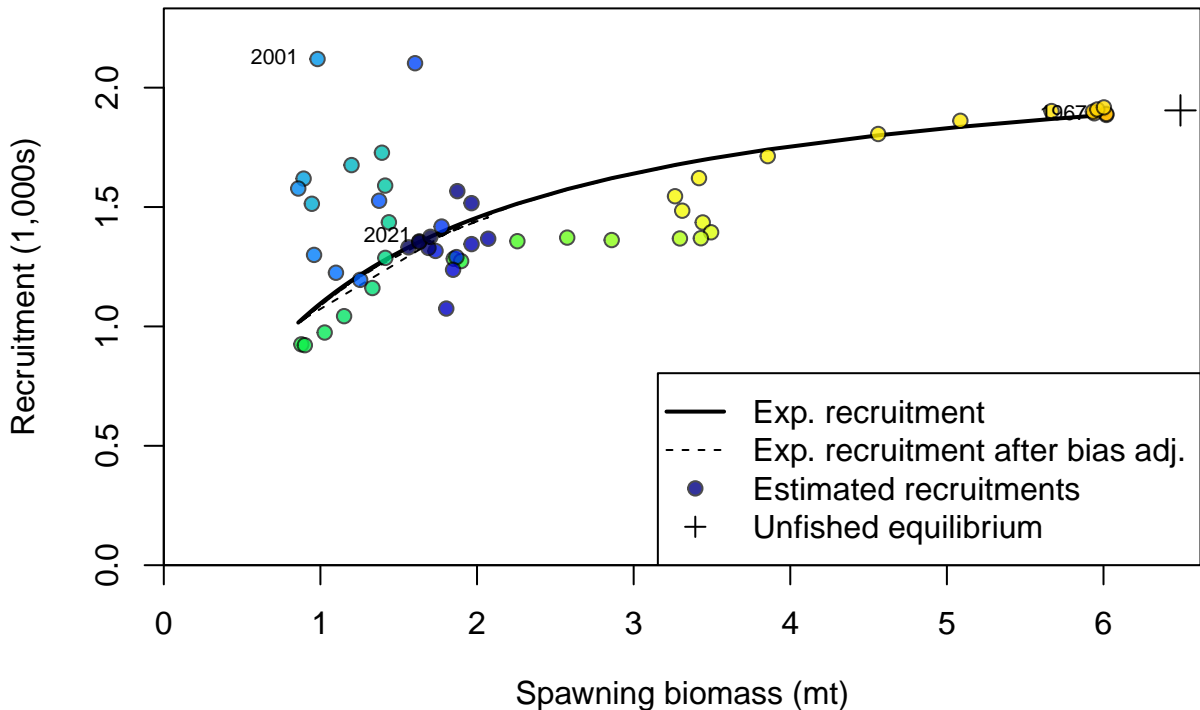
Spawning biomass (mt)

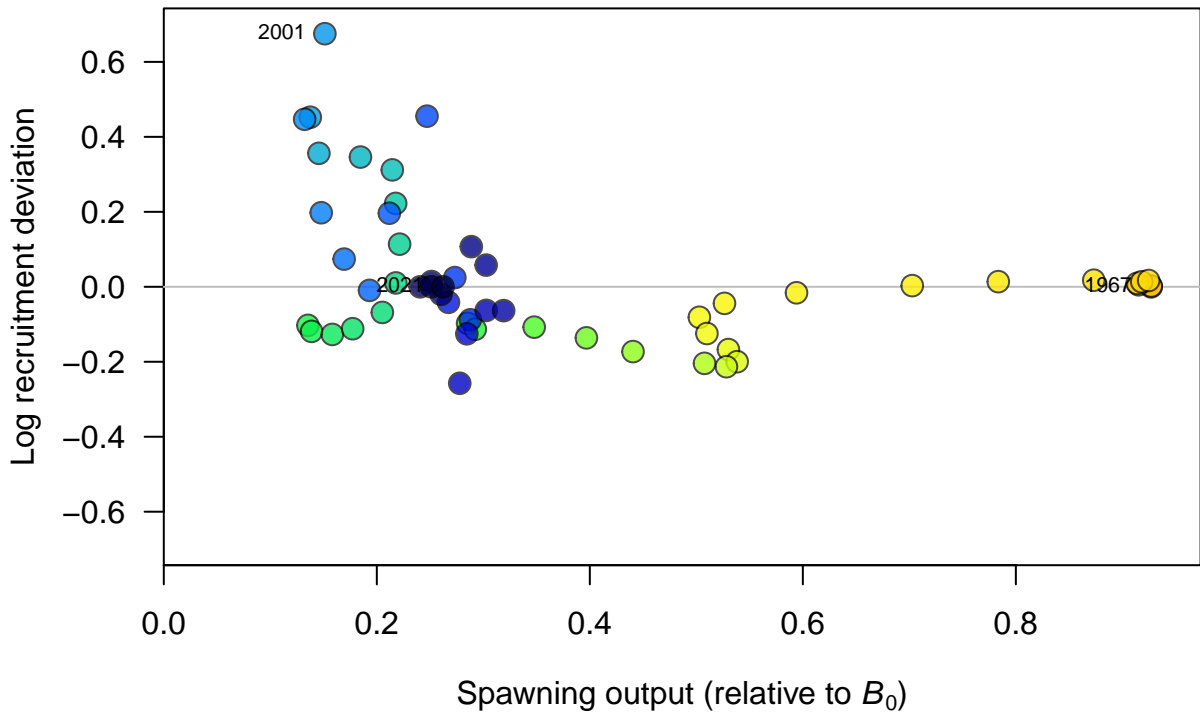


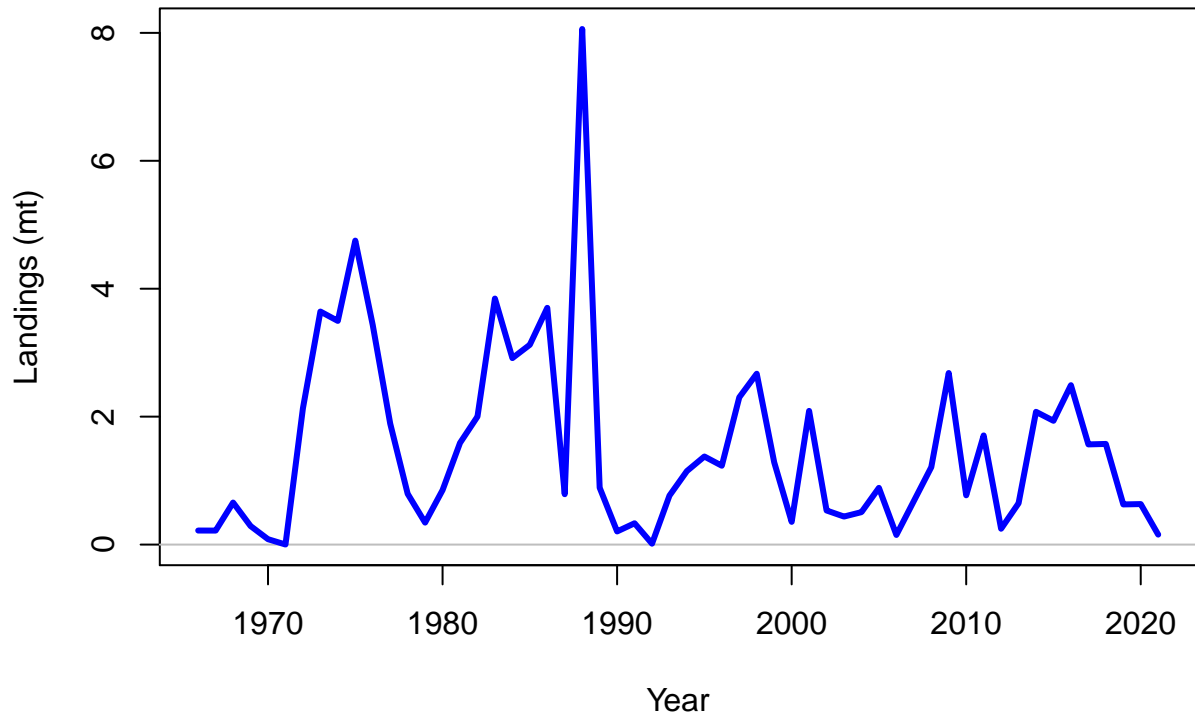
Log recruitment deviation

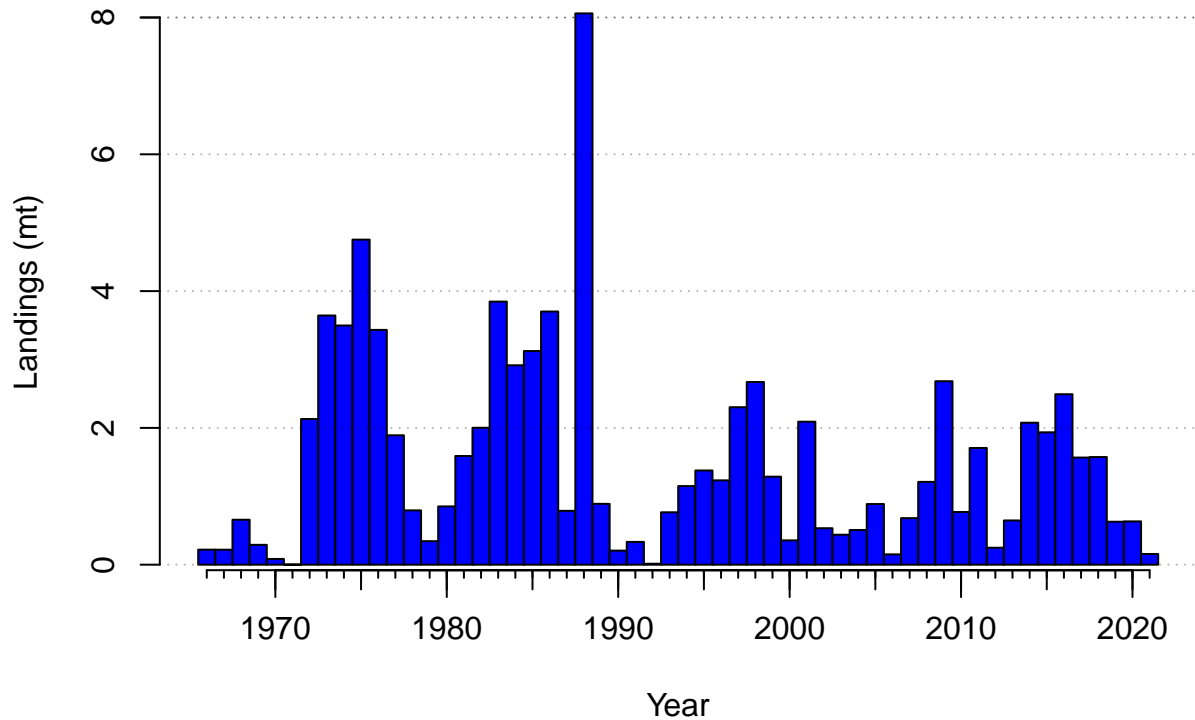


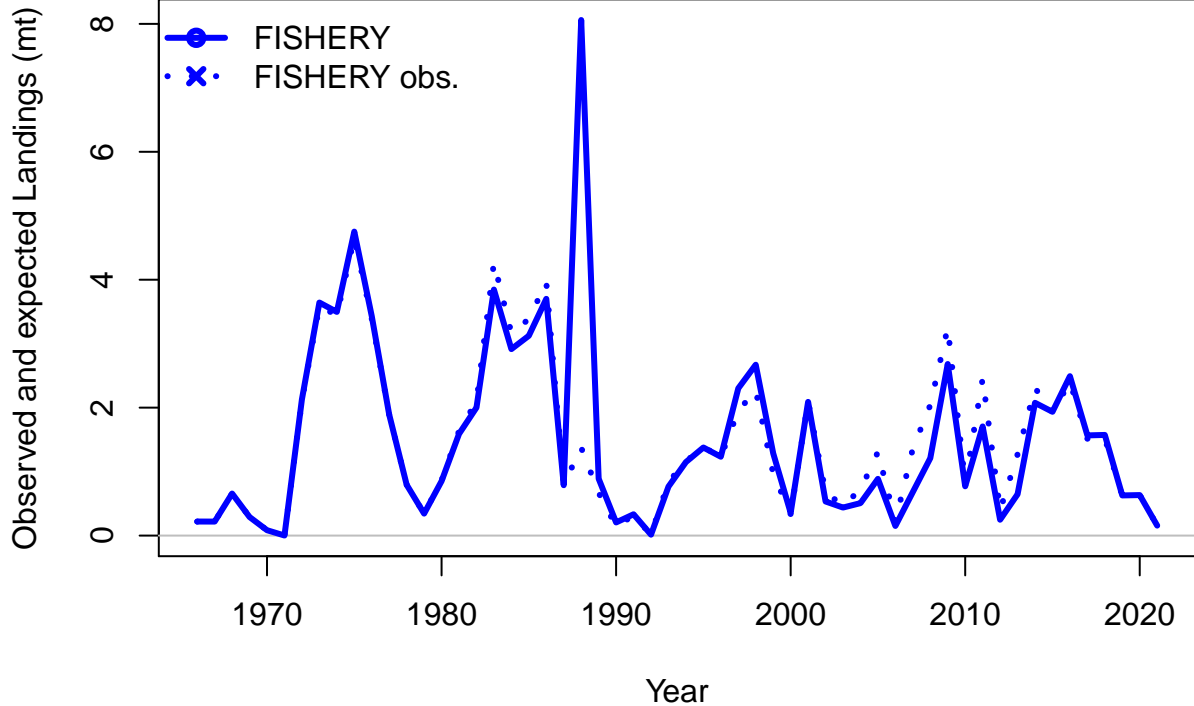


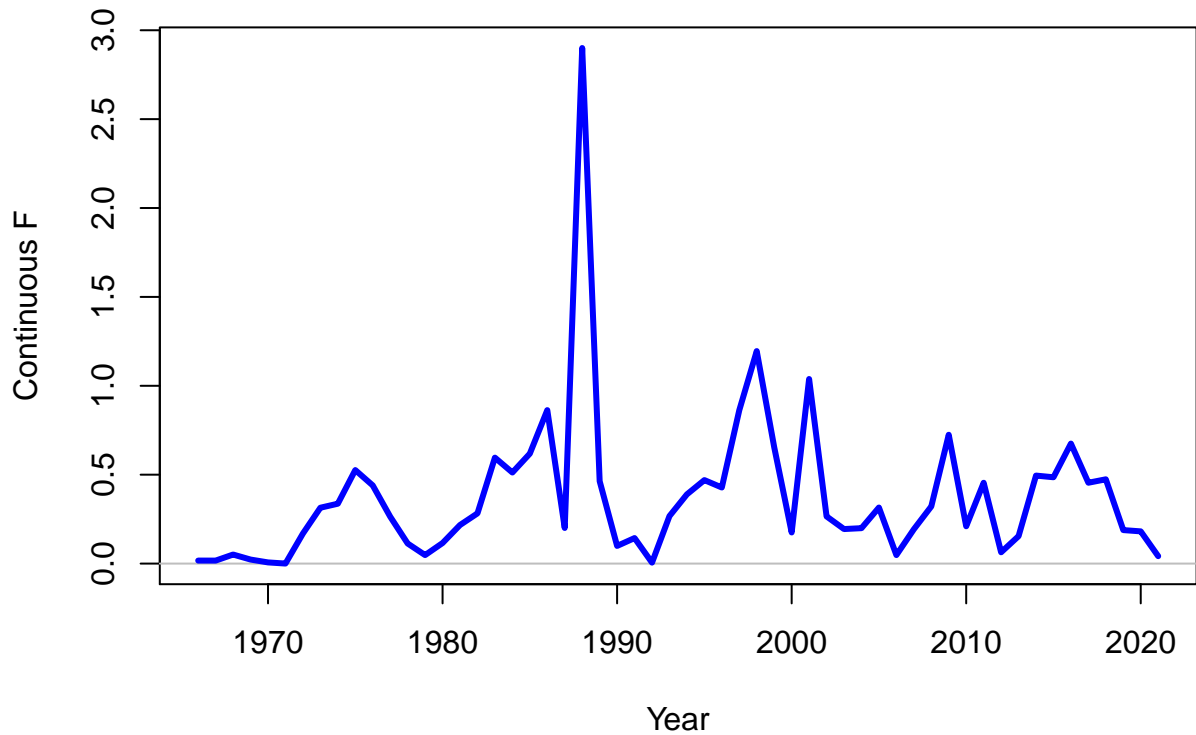




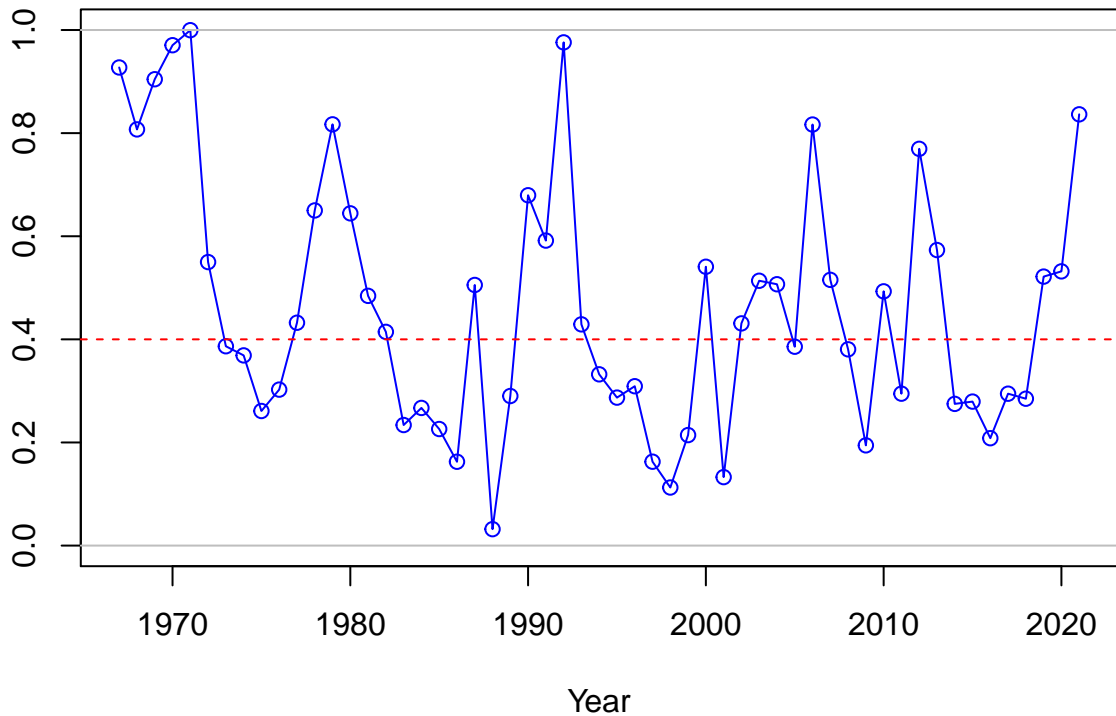


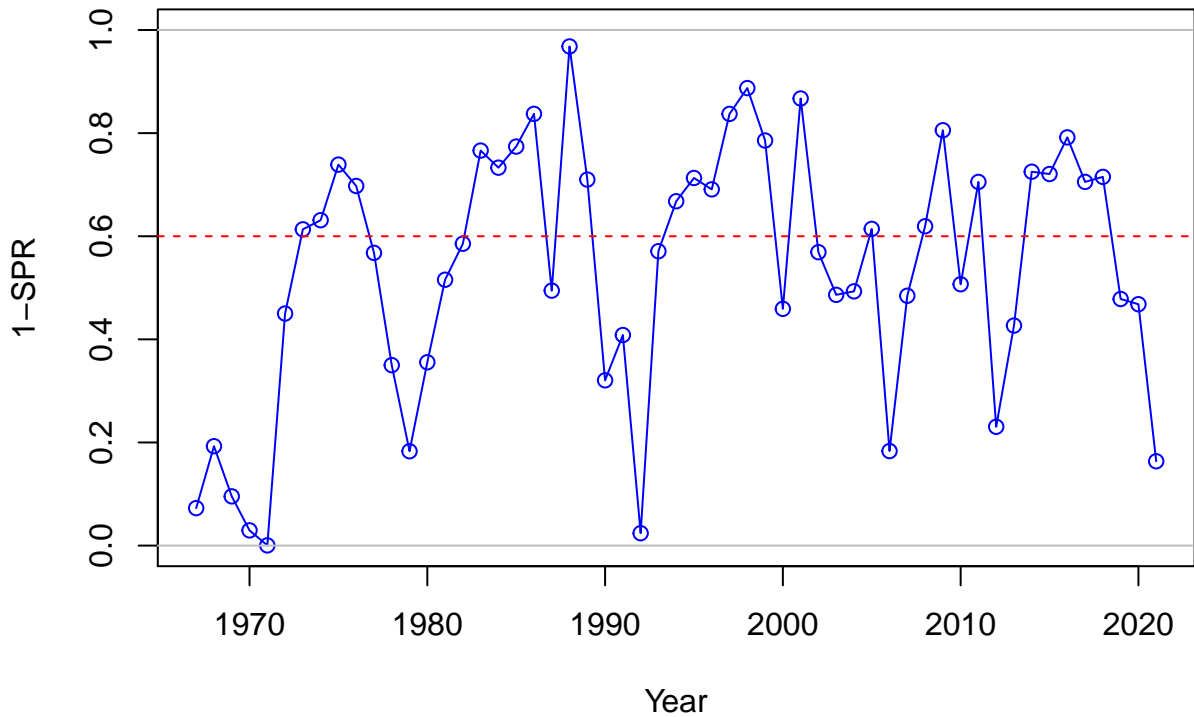




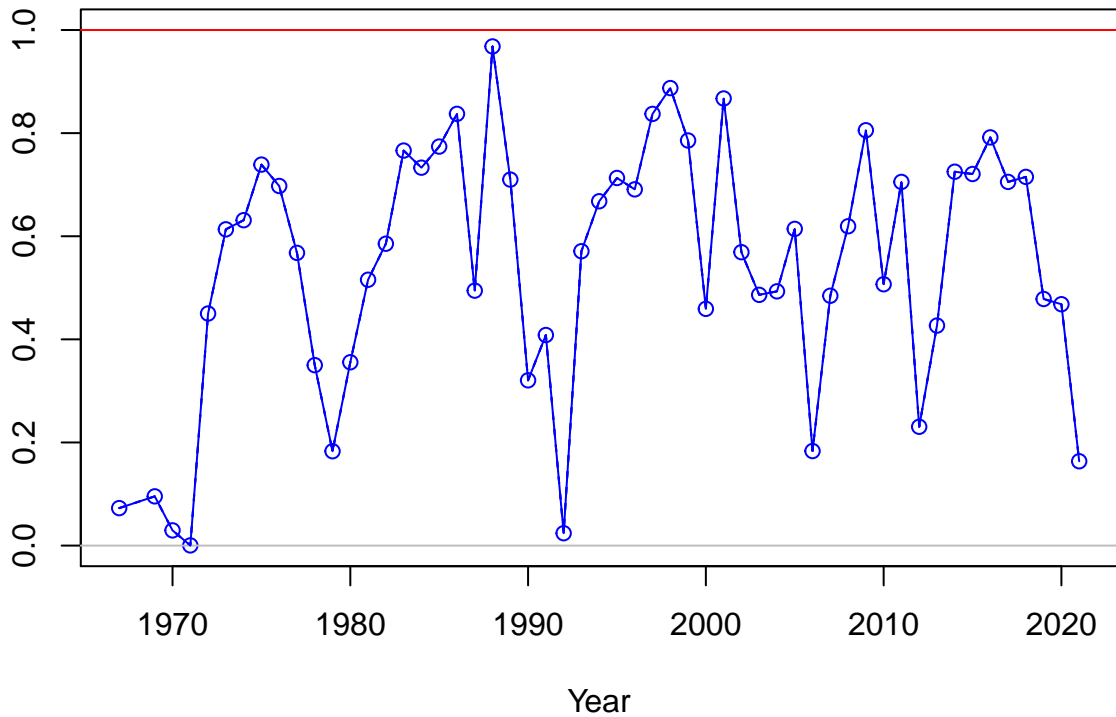


SPR

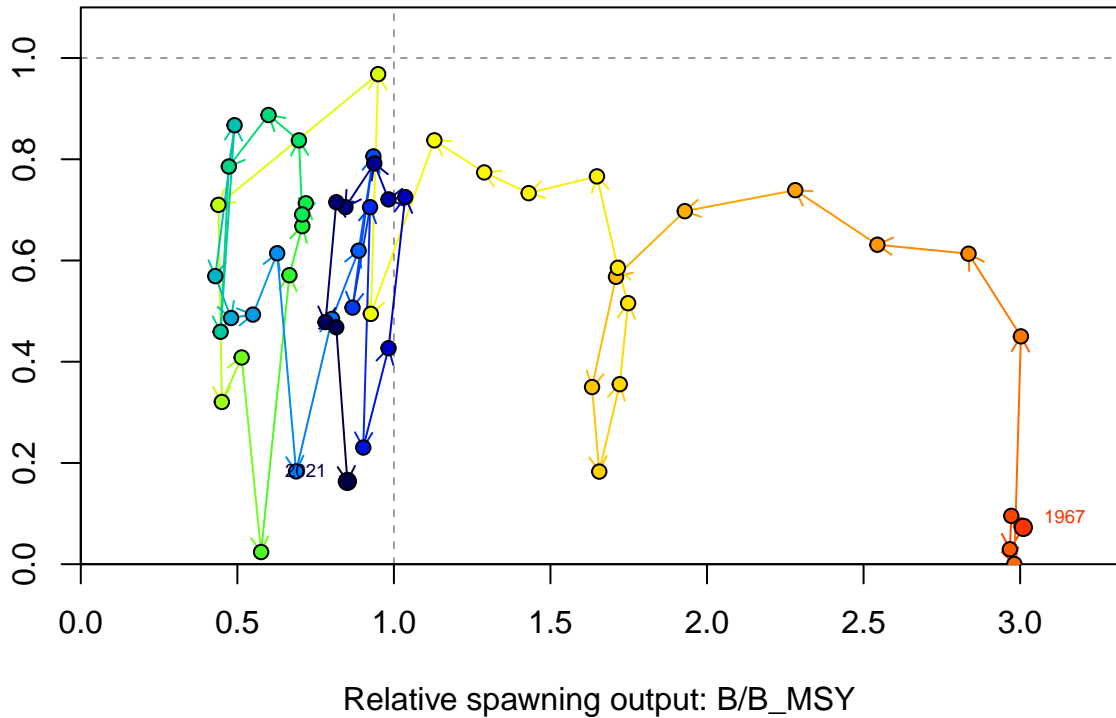




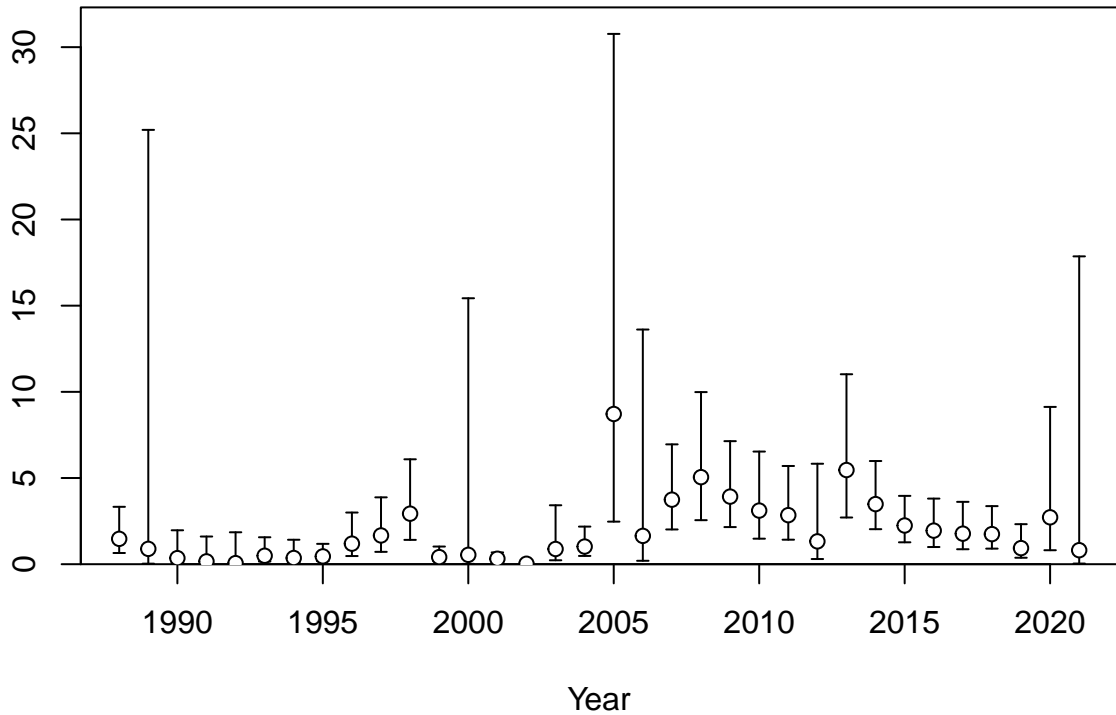
Fishing intensity: 1-SPR



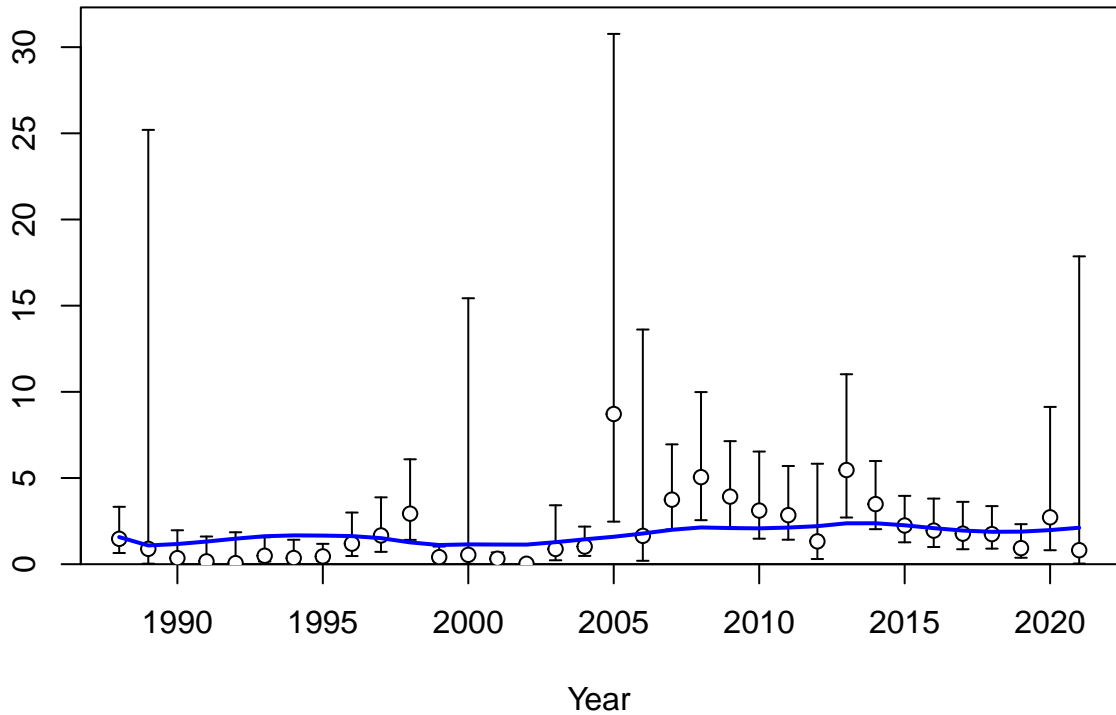
Fishing intensity: 1-SPR

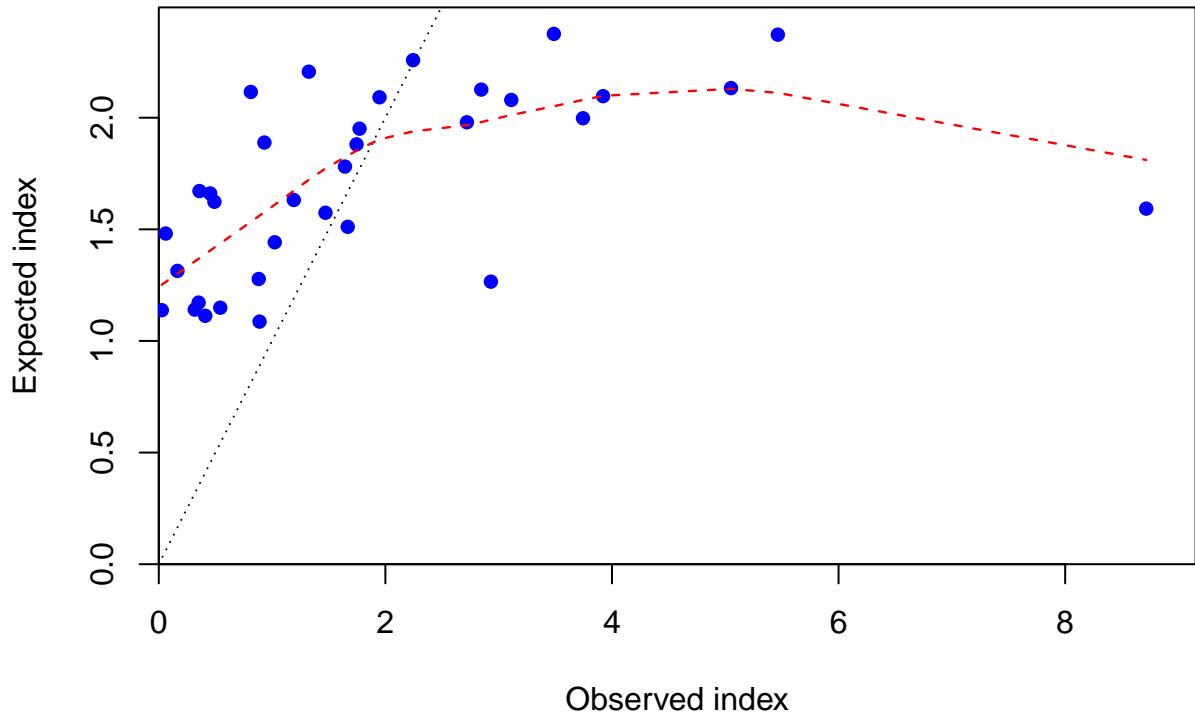


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0
-2
-4
-6

1990

1995

2000

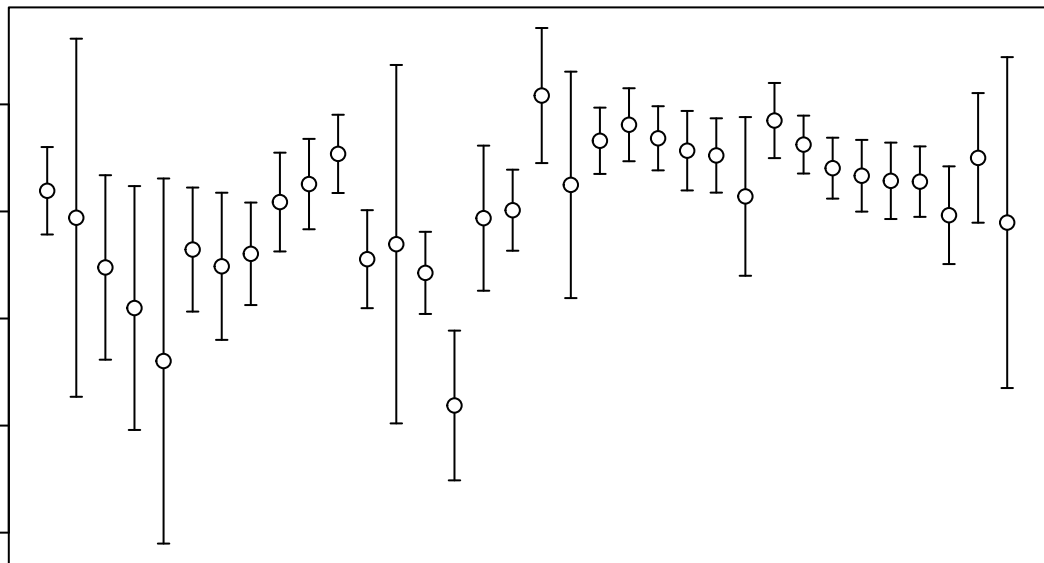
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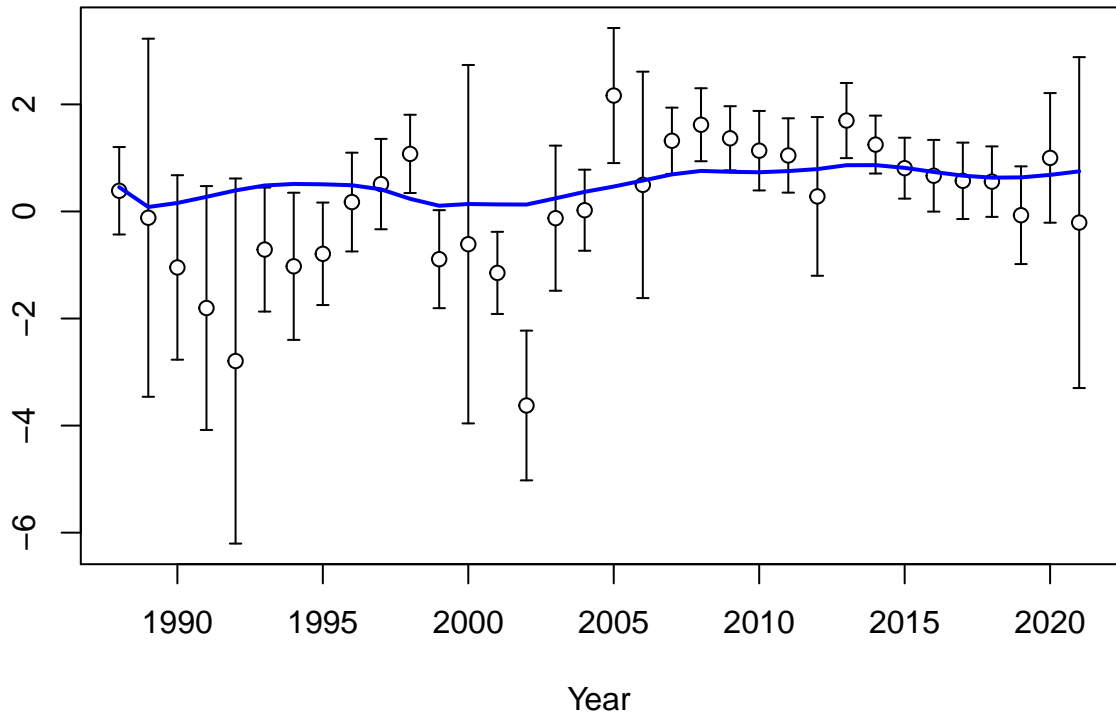
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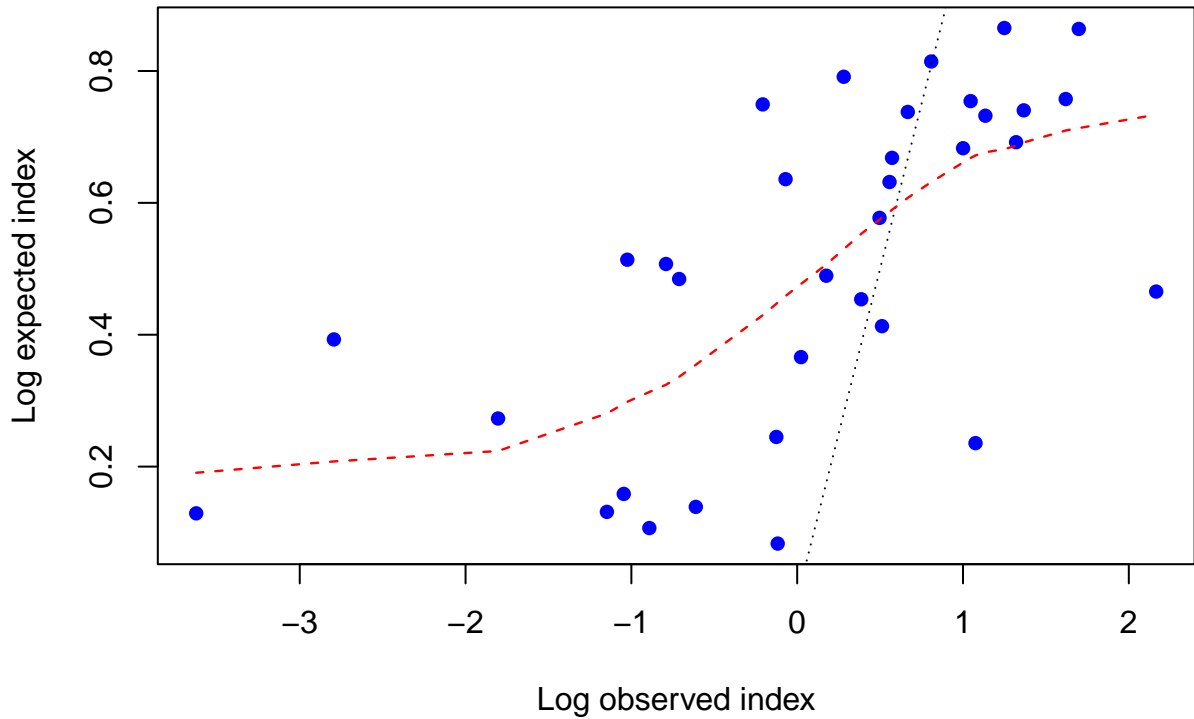
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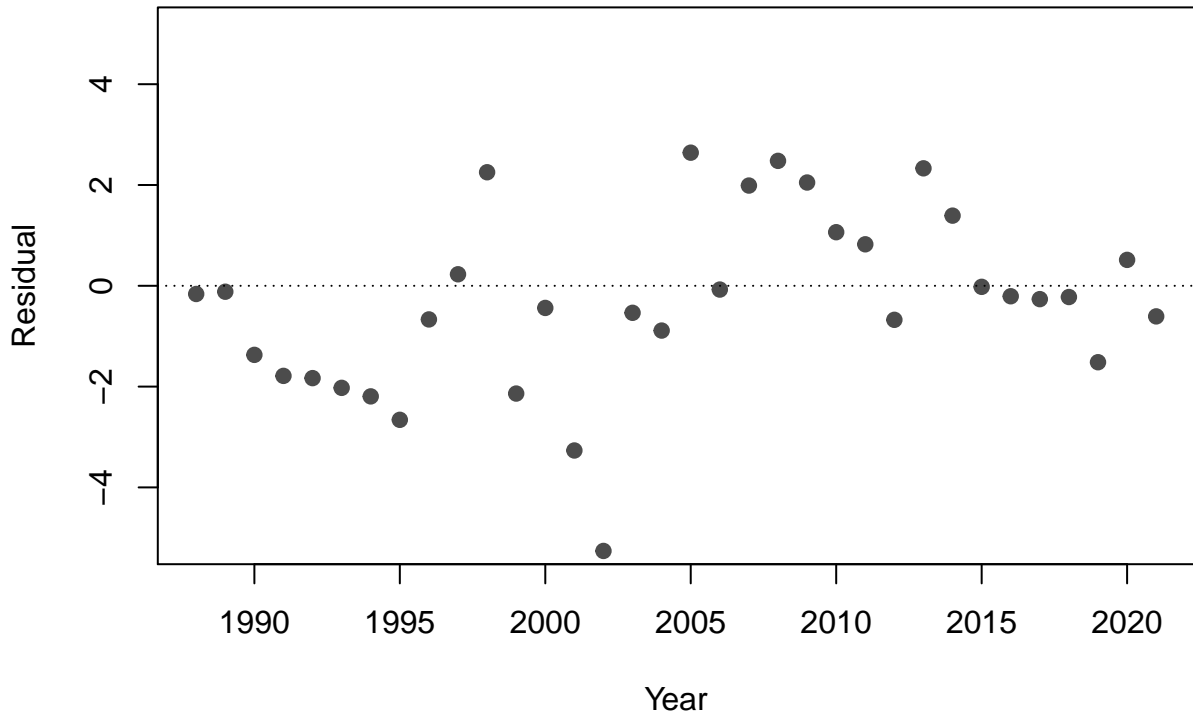
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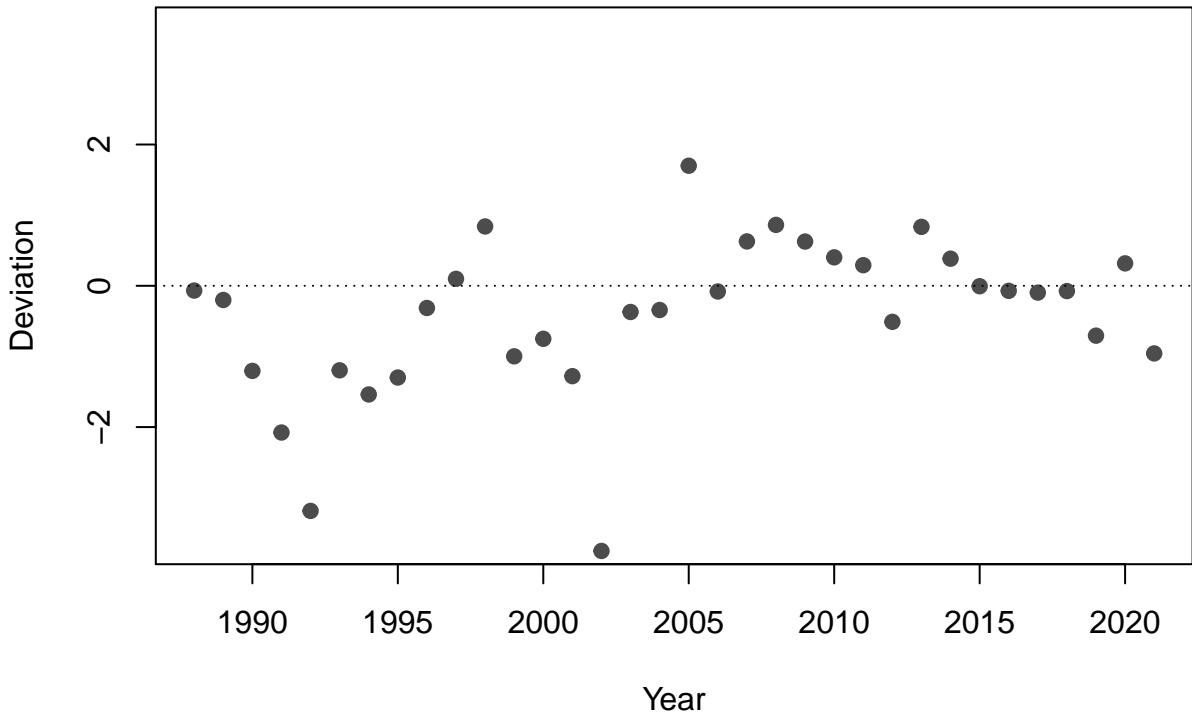


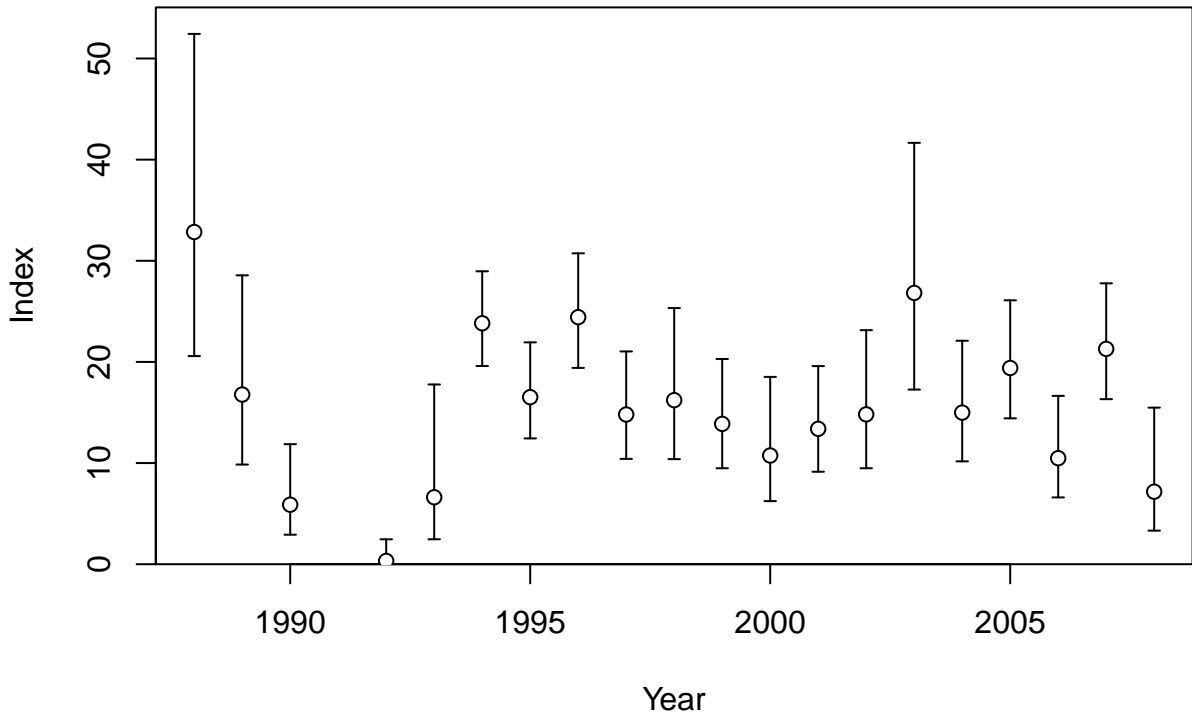
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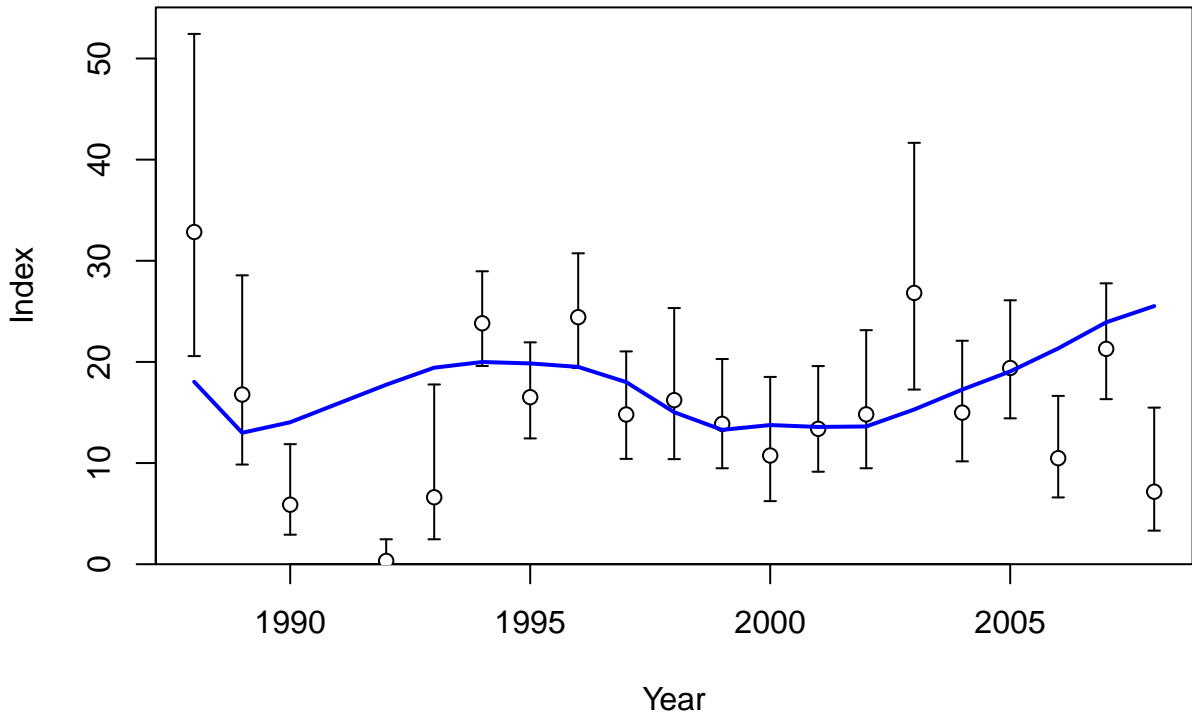


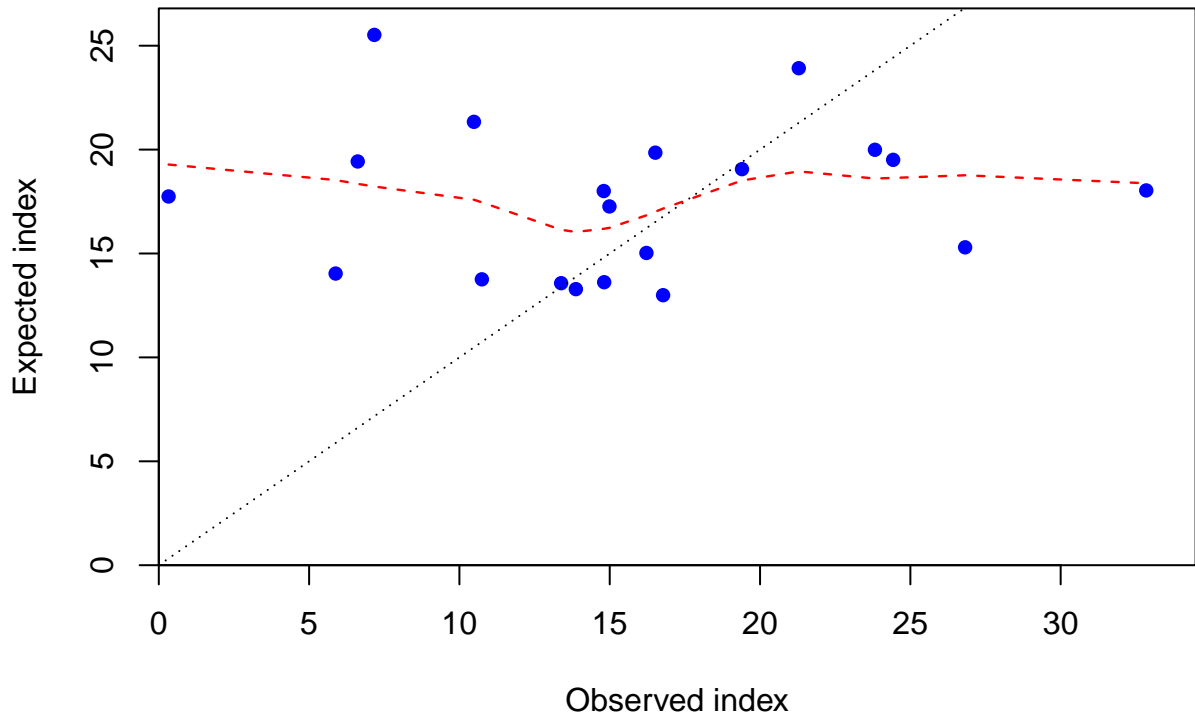




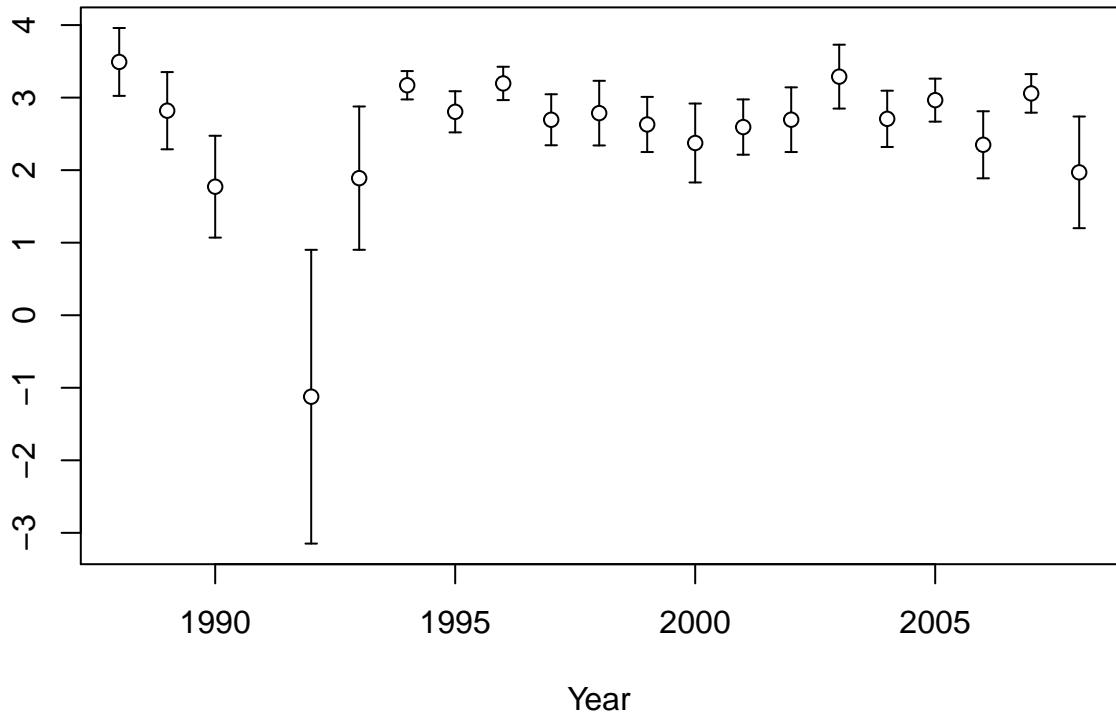




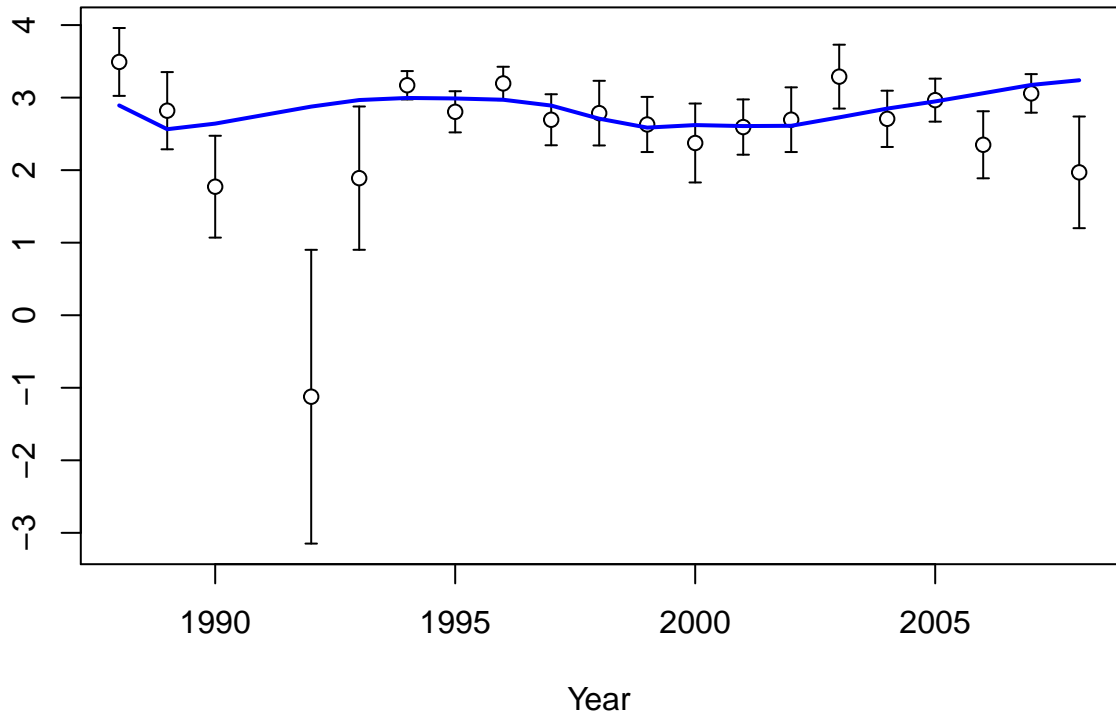


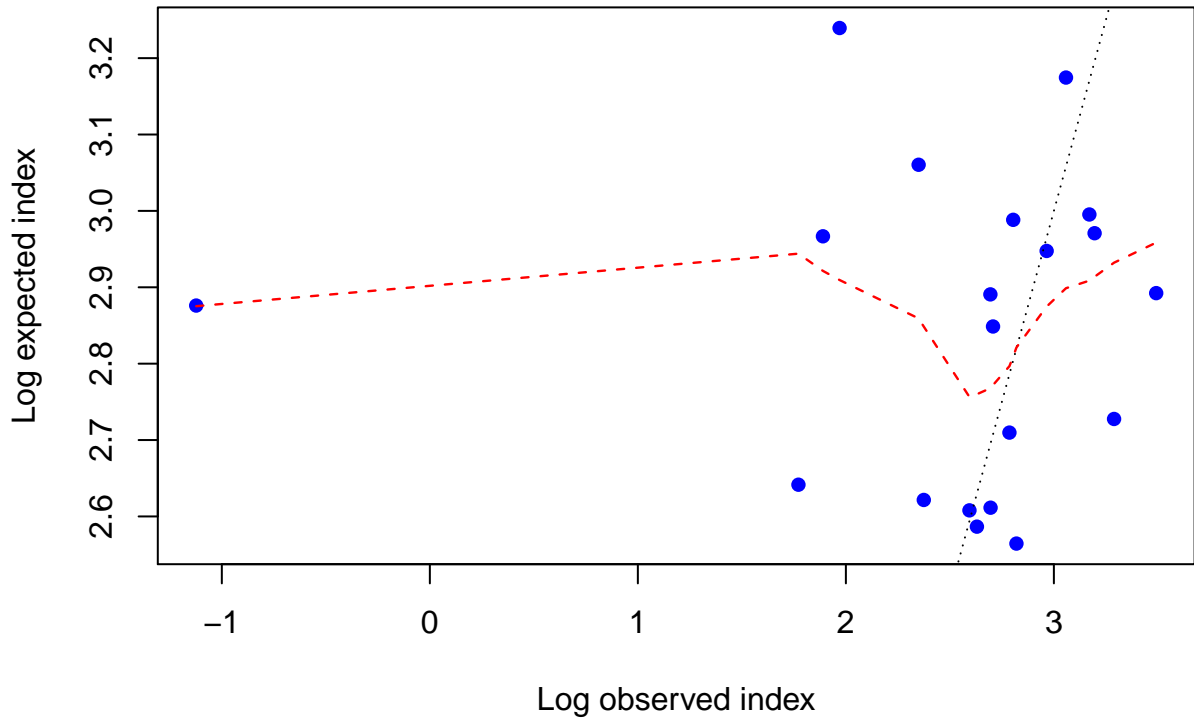


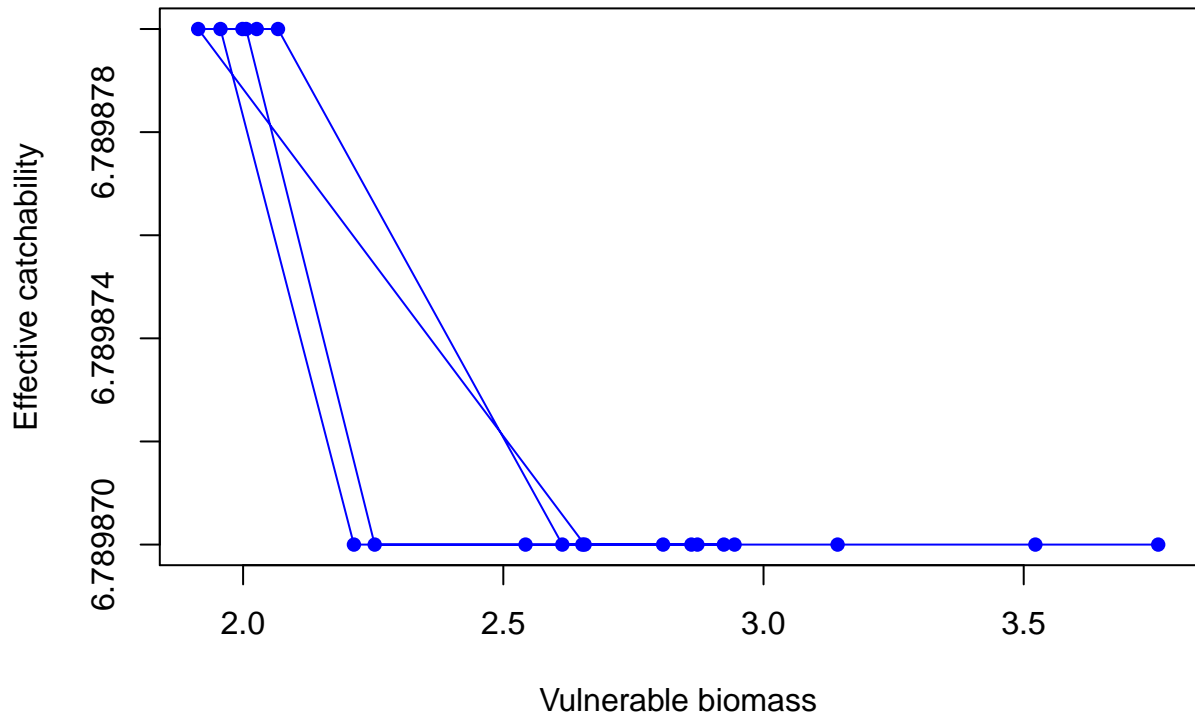
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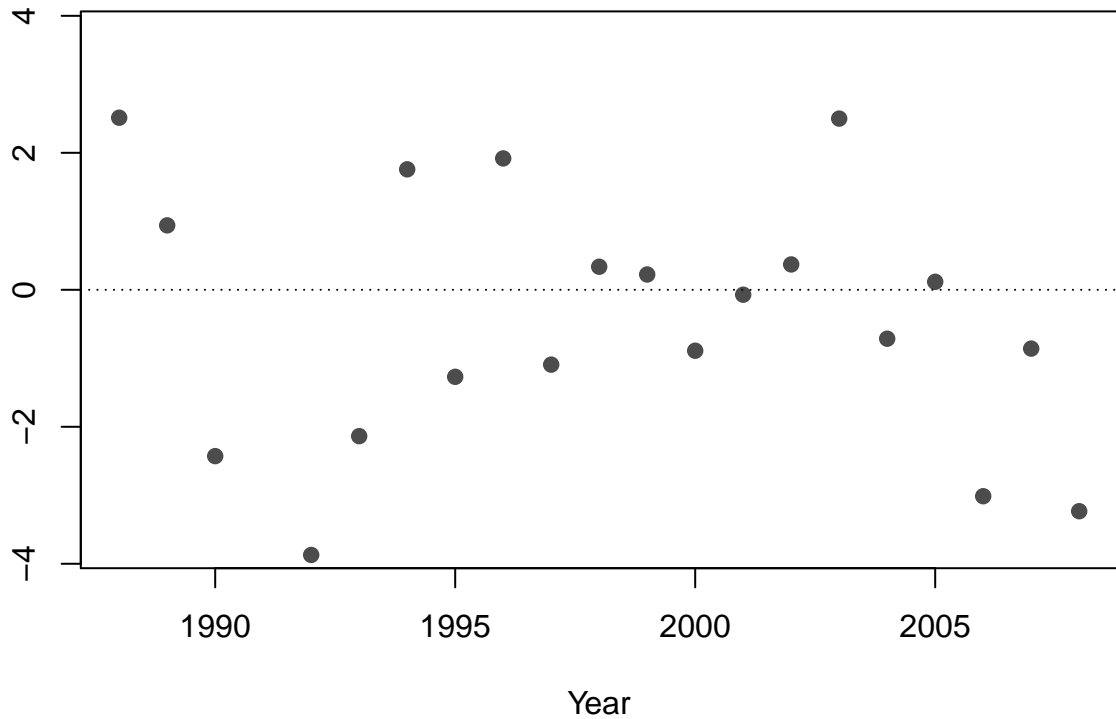
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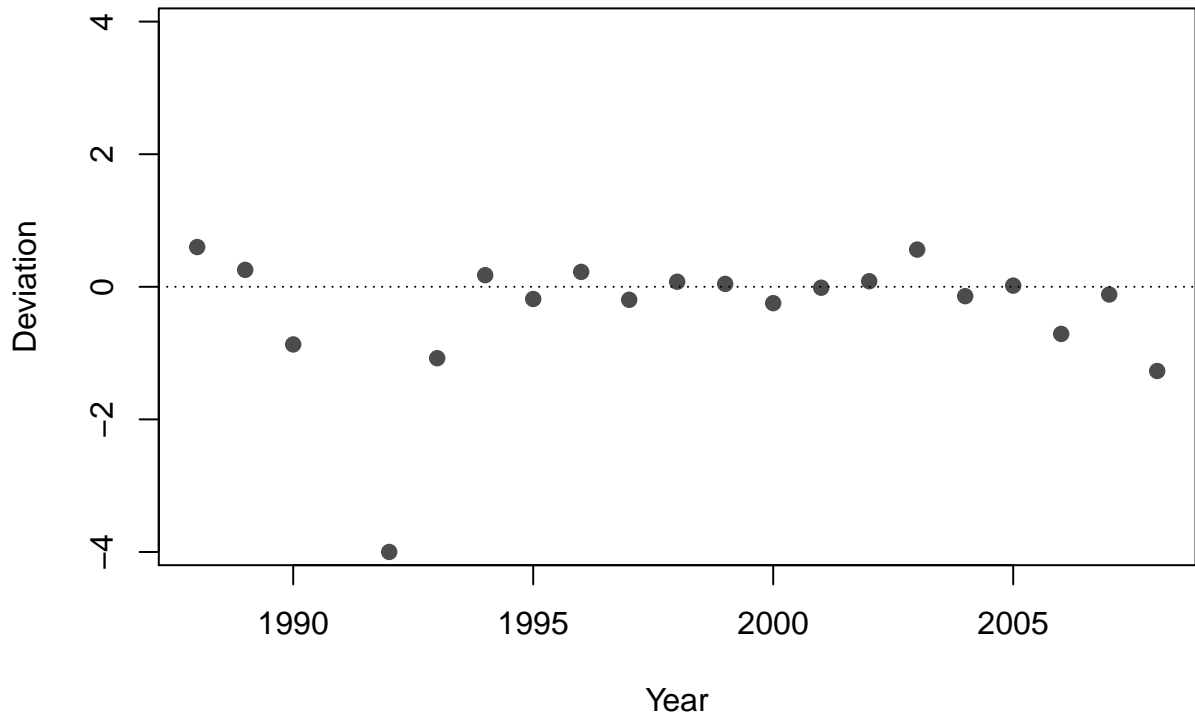


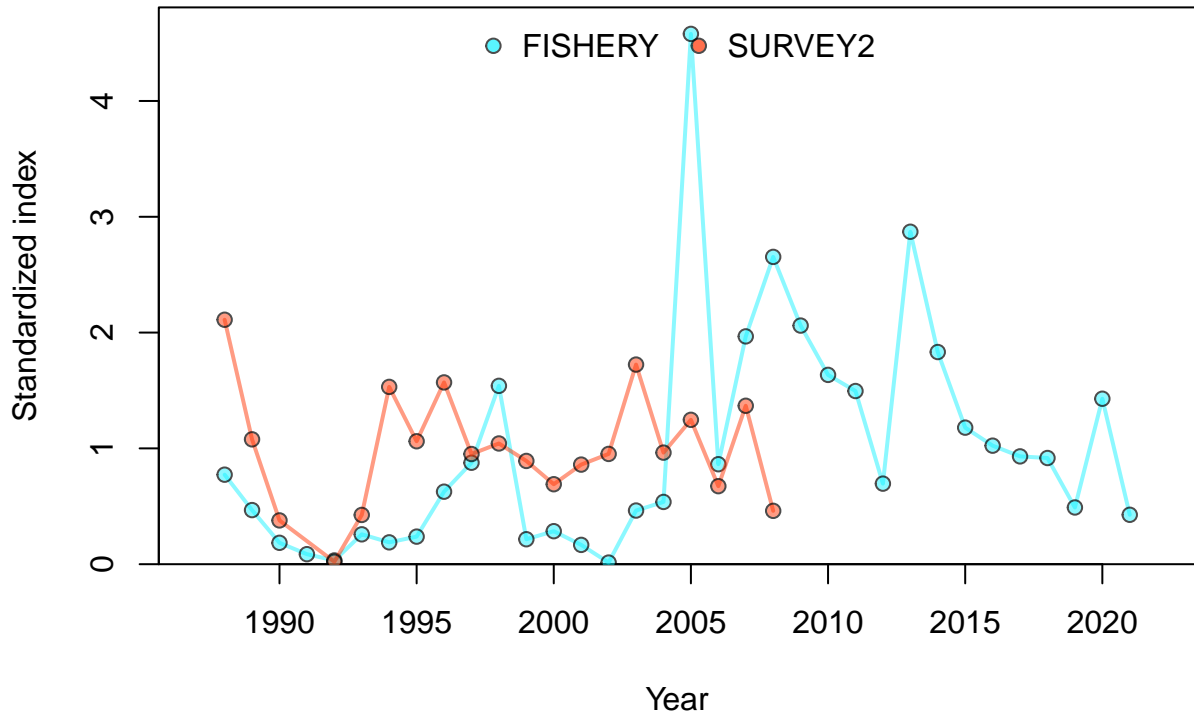


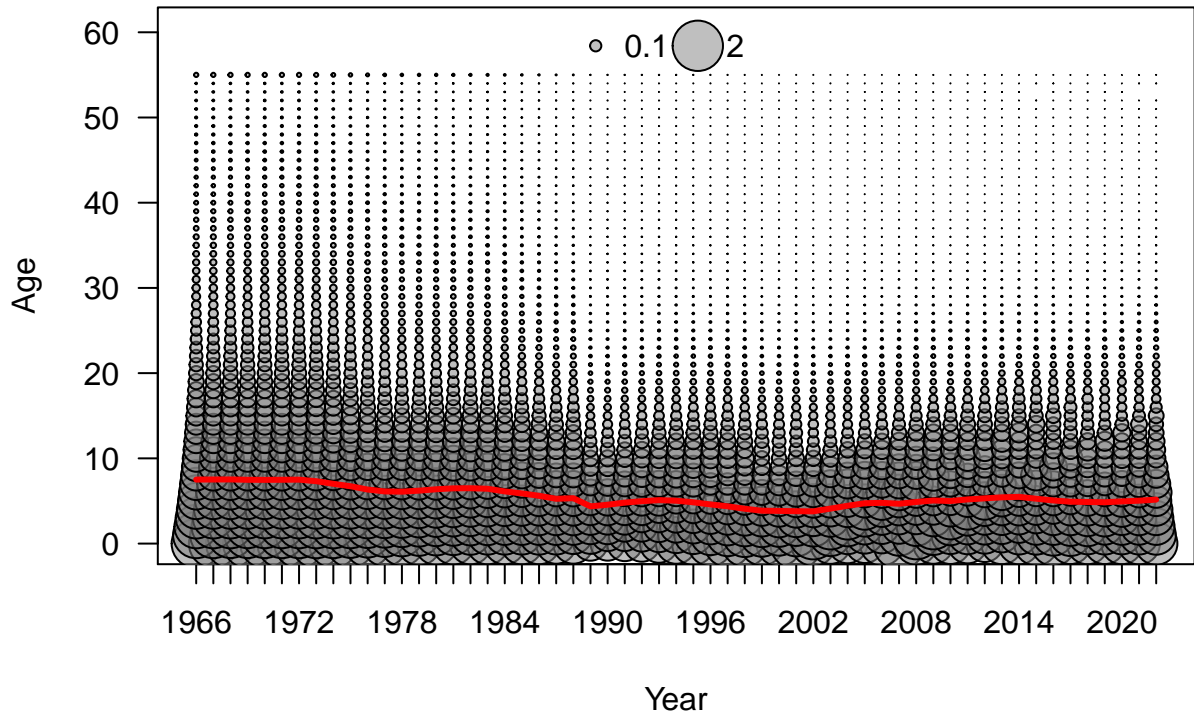


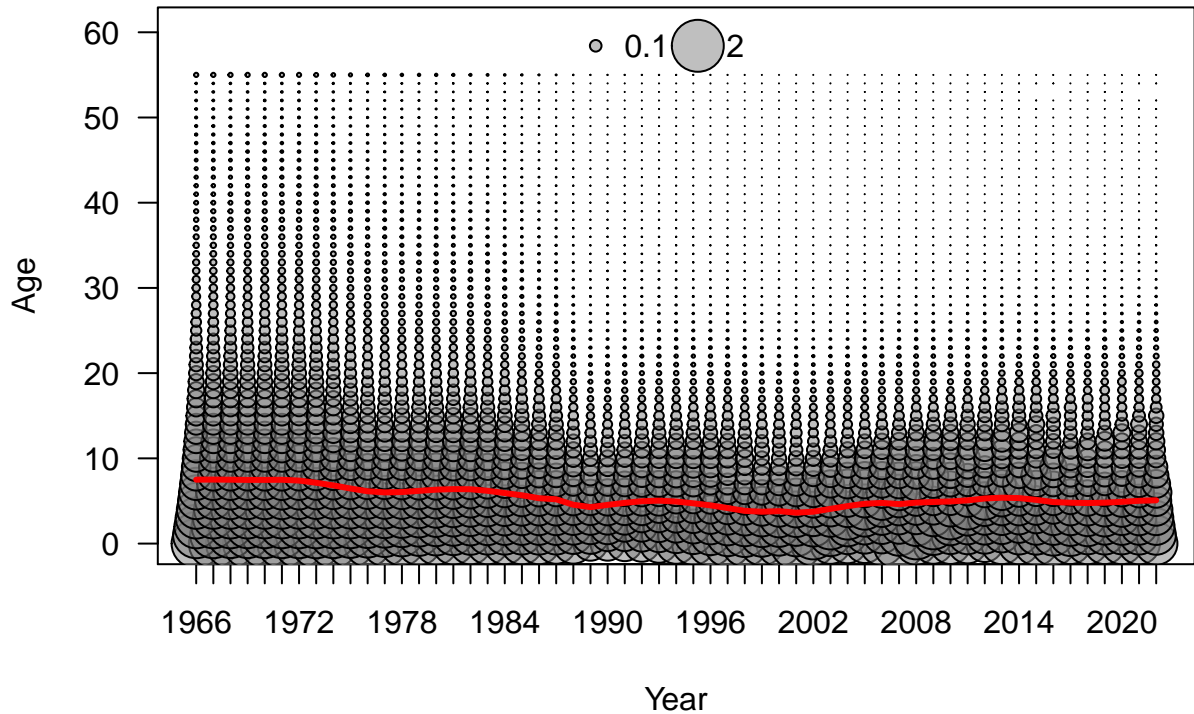
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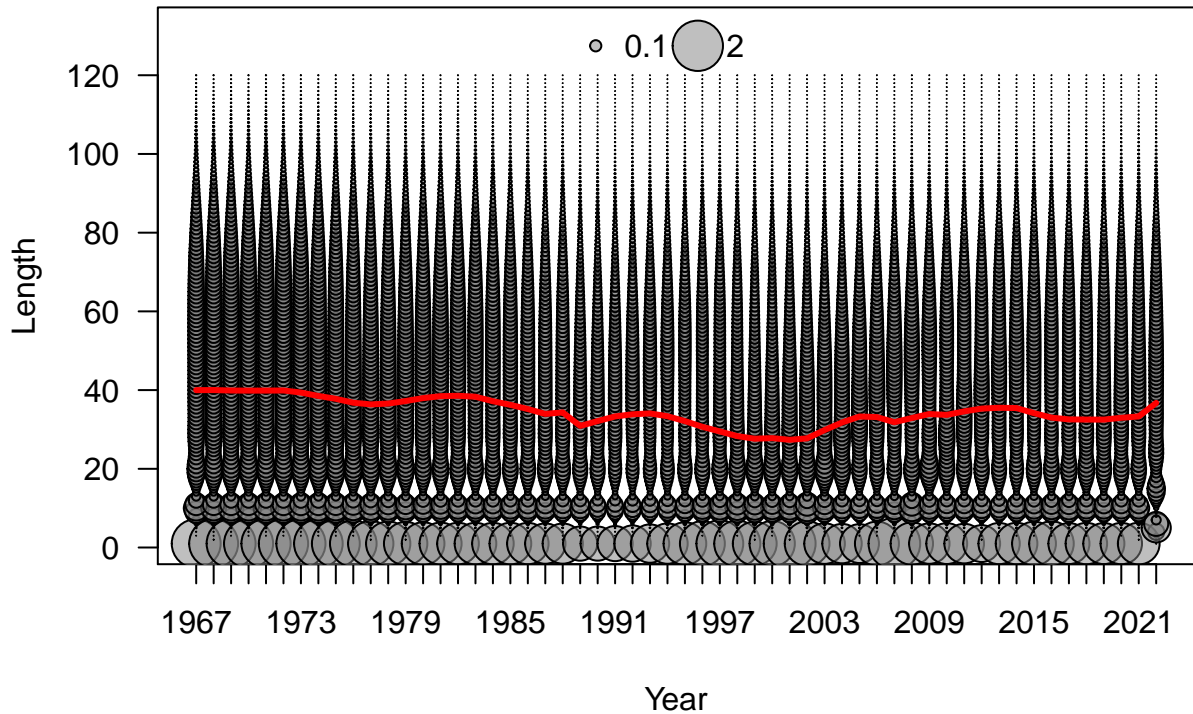


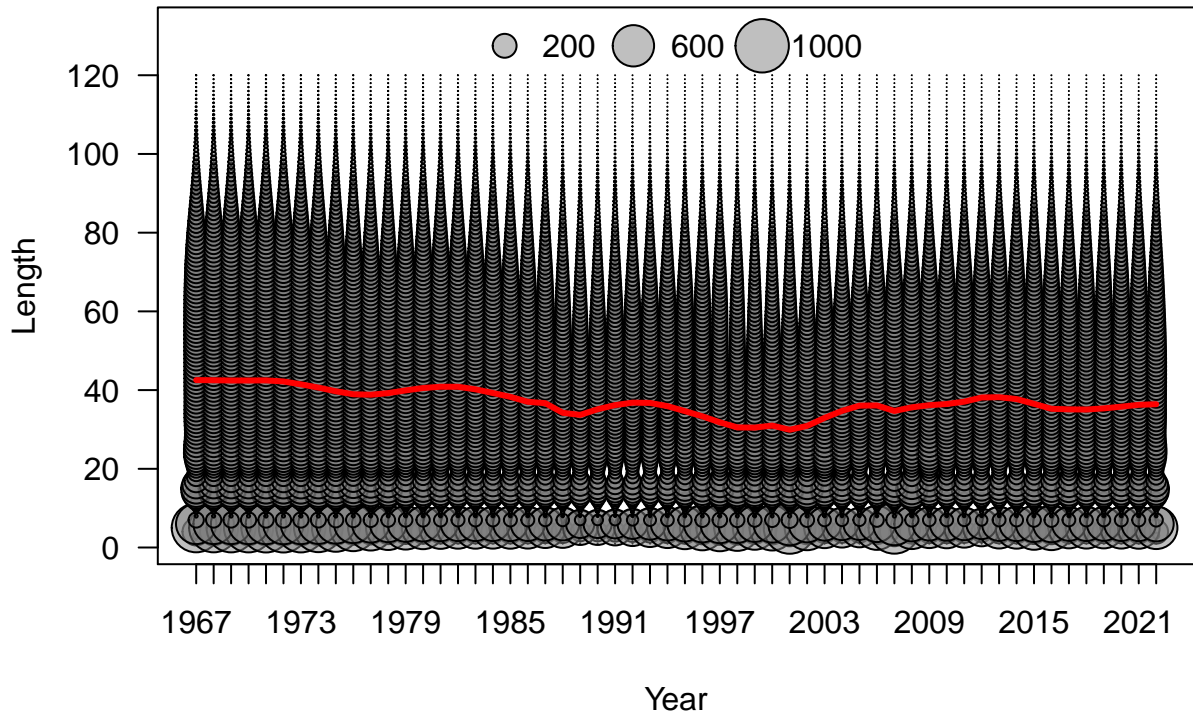












Numbers at age at equilibrium

1.5
1.0
0.5
0.0

0

10

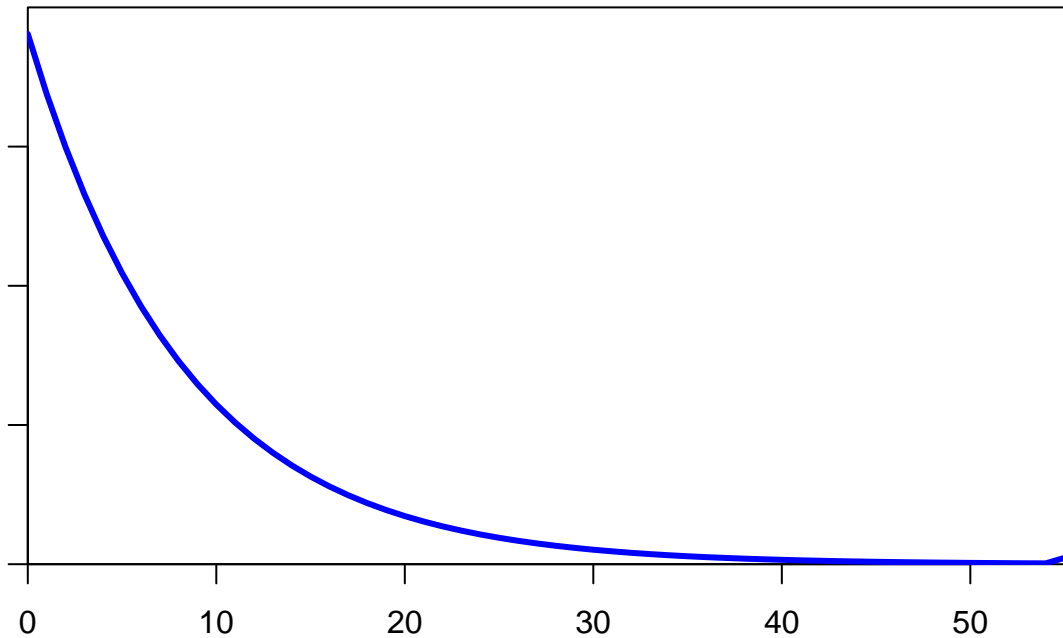
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30

40

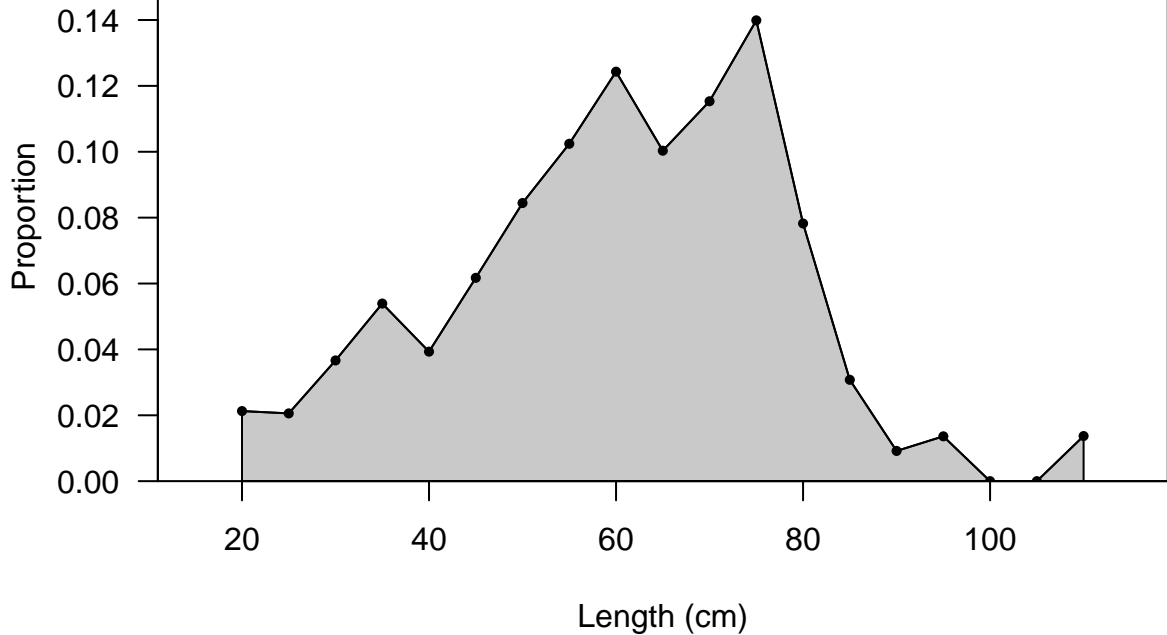
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Age



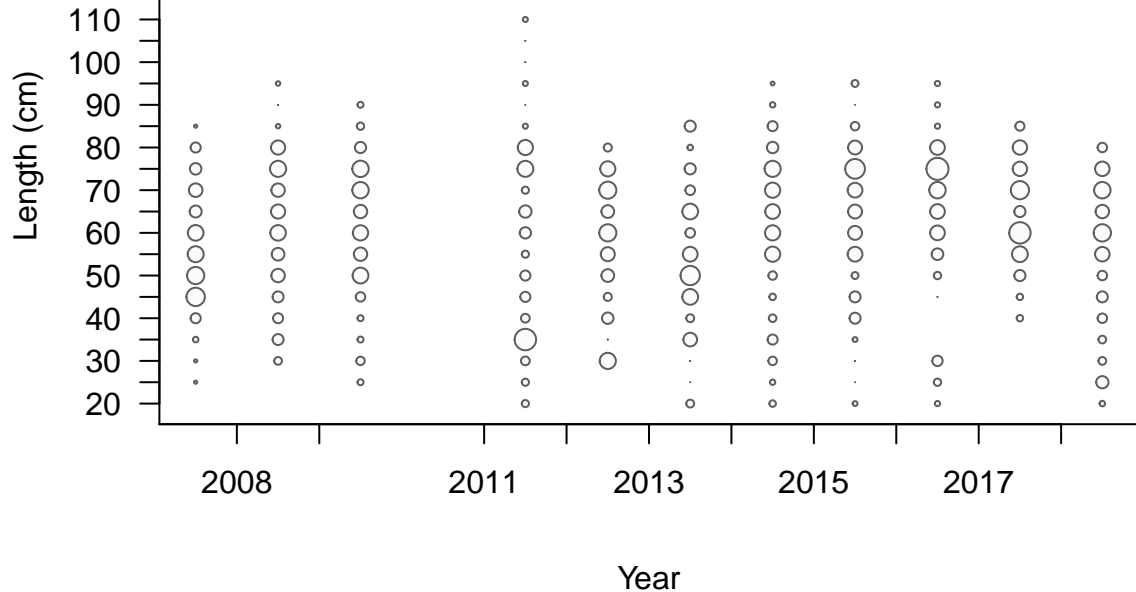
FISHERY

Sum of N adj.=285

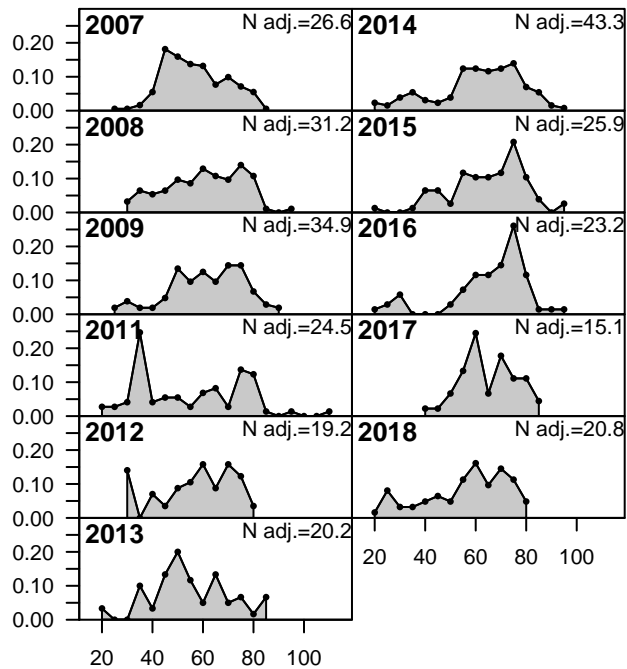


FISHERY

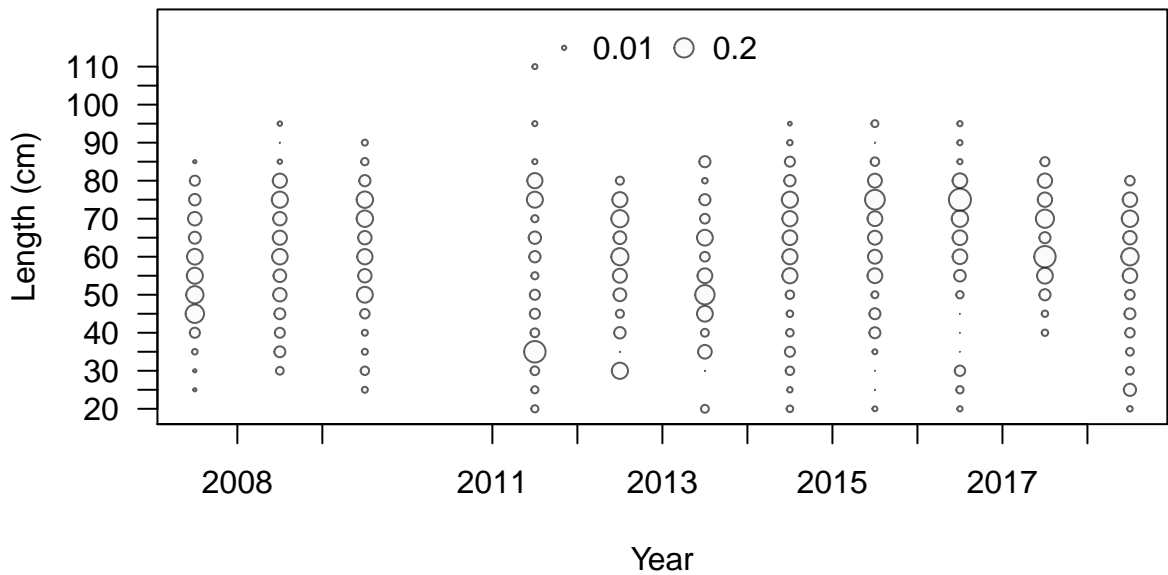
◦ 0.01 ○ 0.2



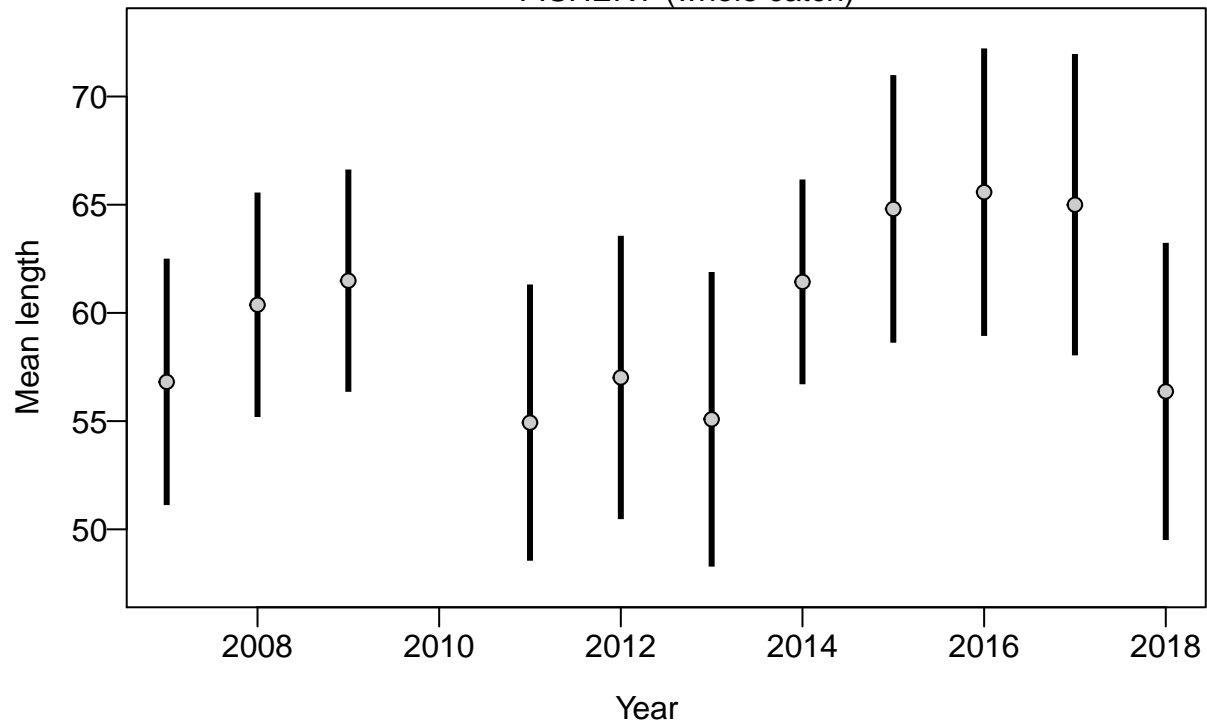
Proportion



Length (cm)

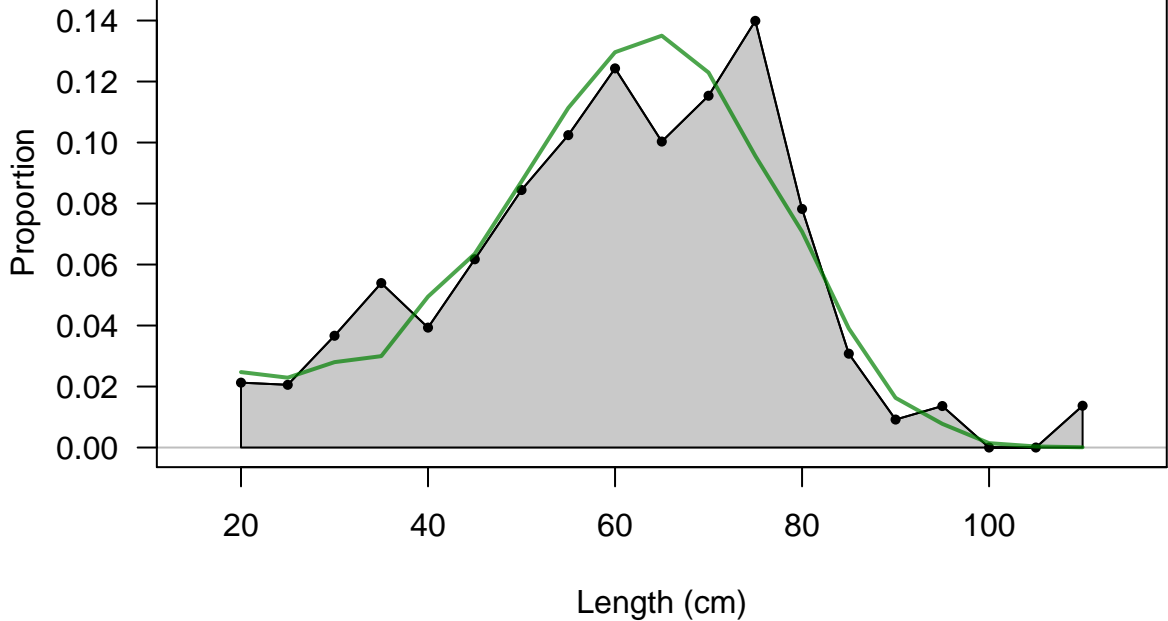


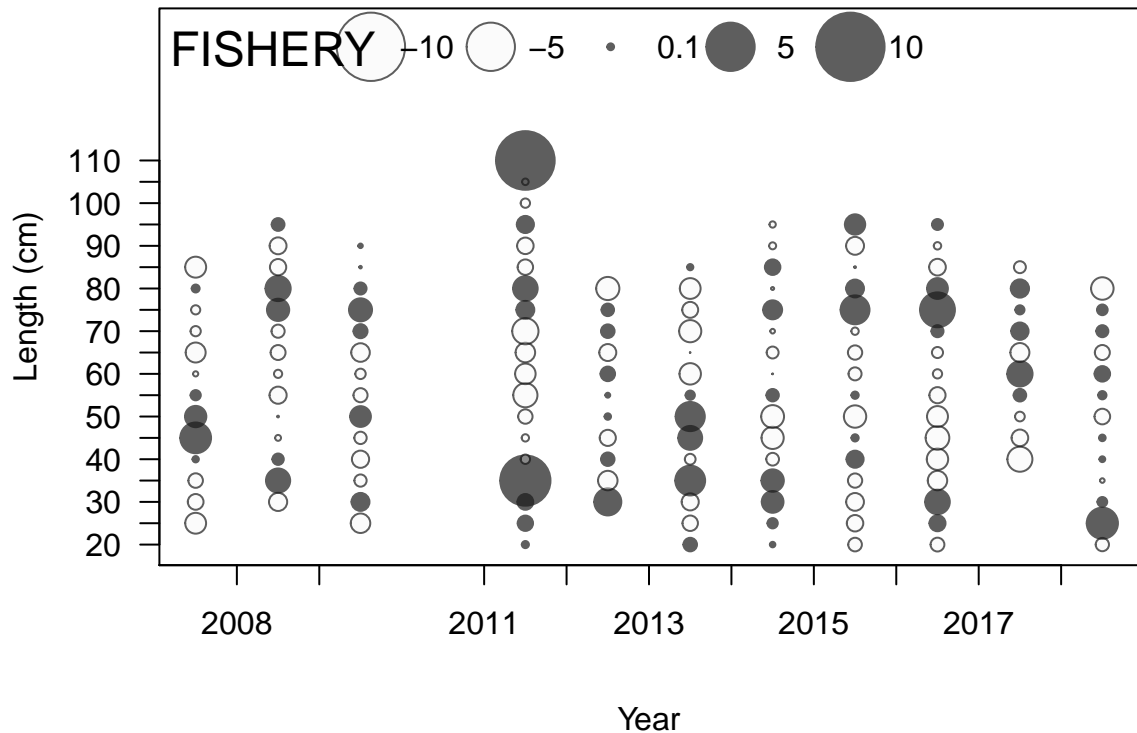
FISHERY (whole catch)



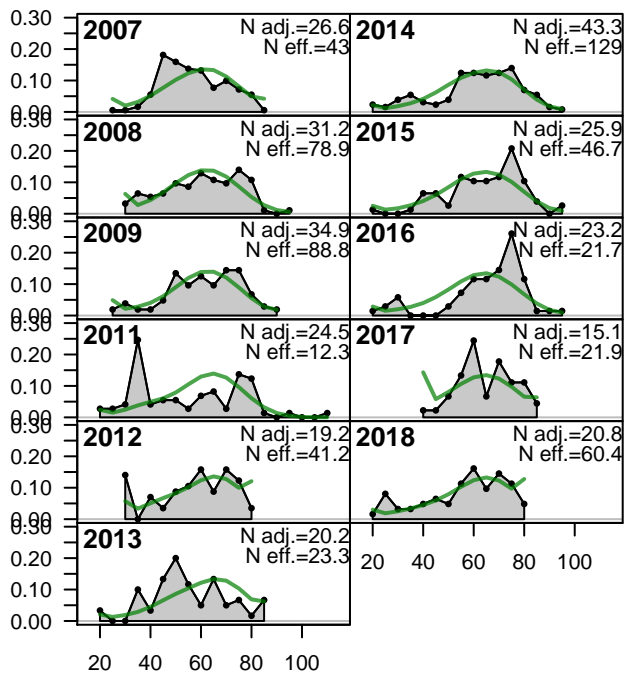
FISHERY

Sum of N adj.=285
Sum of N eff.=567

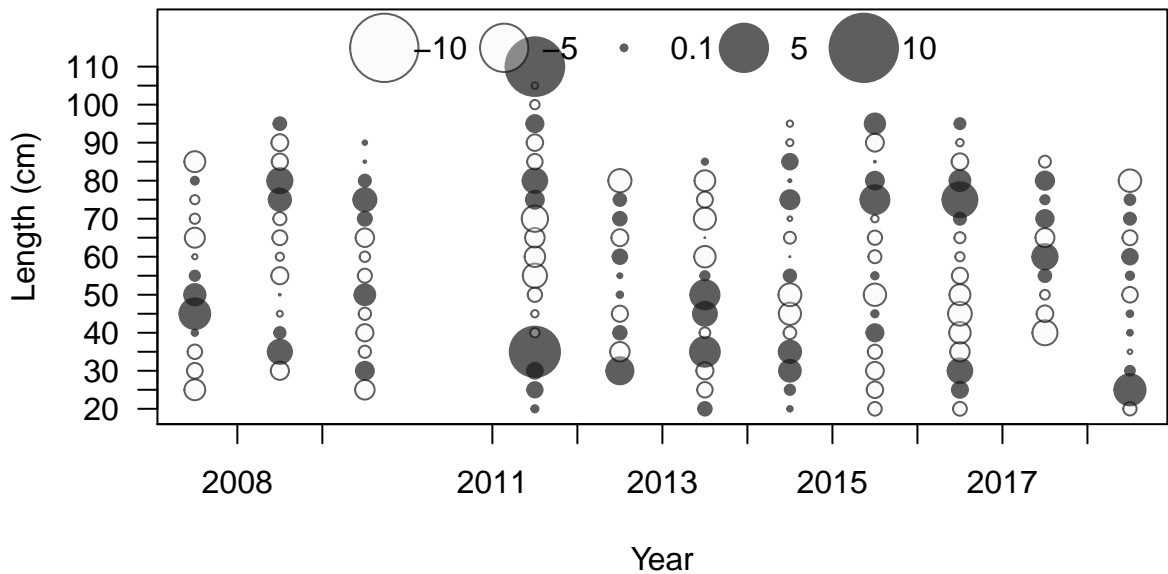


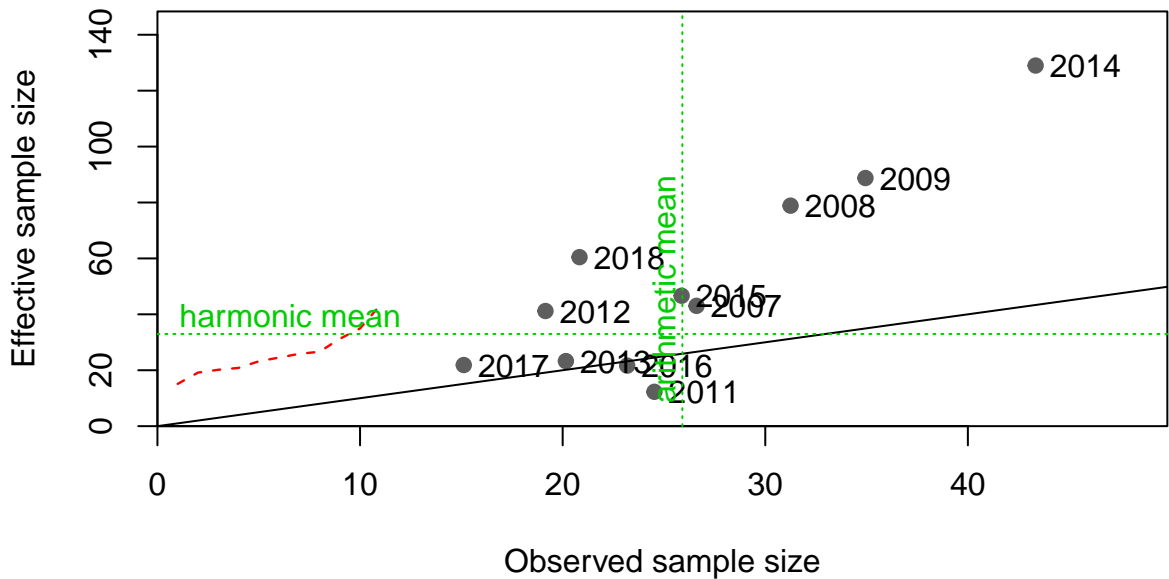


Proportion

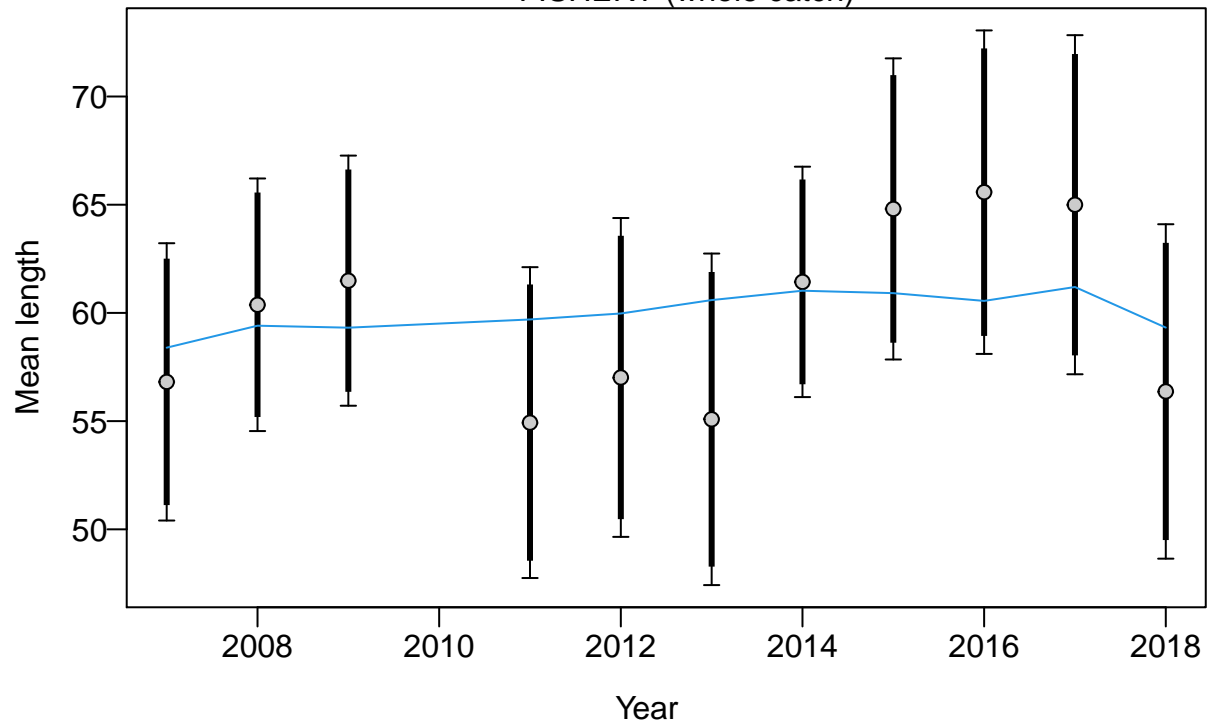


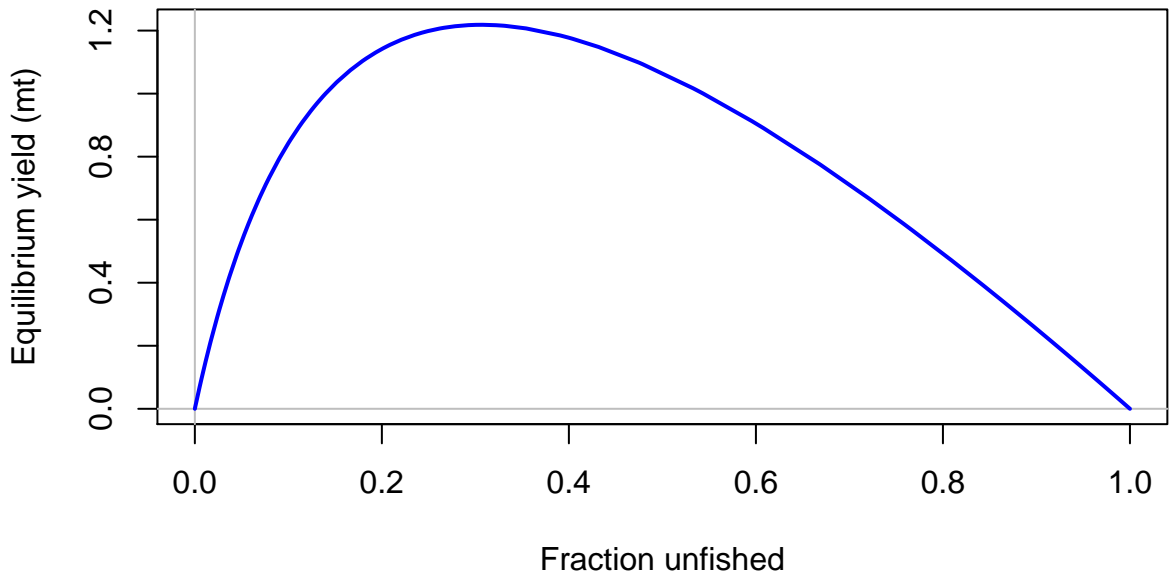
Length (cm)

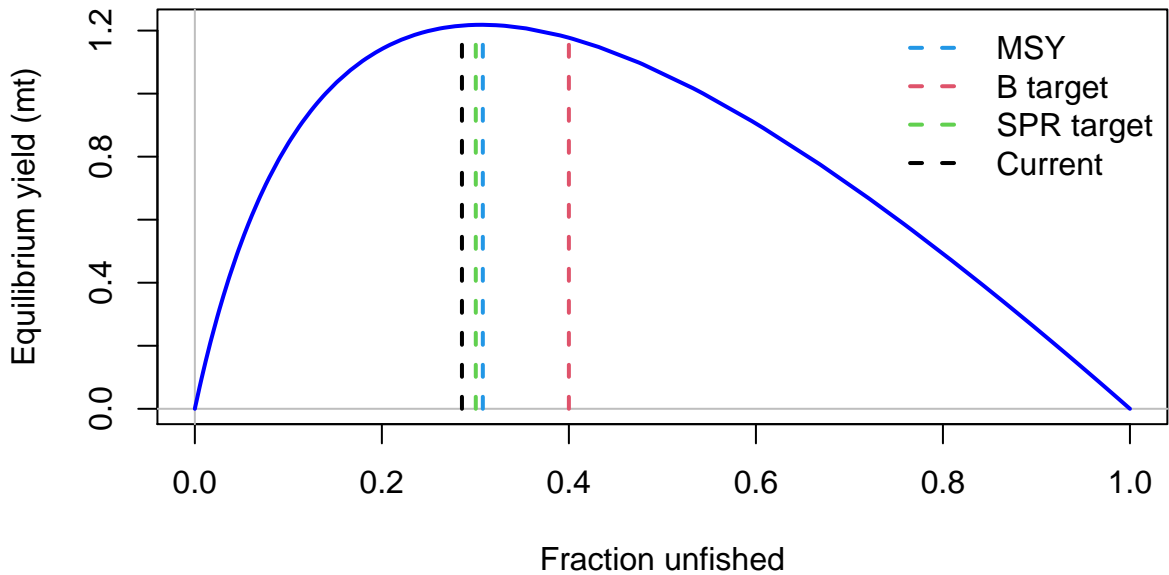


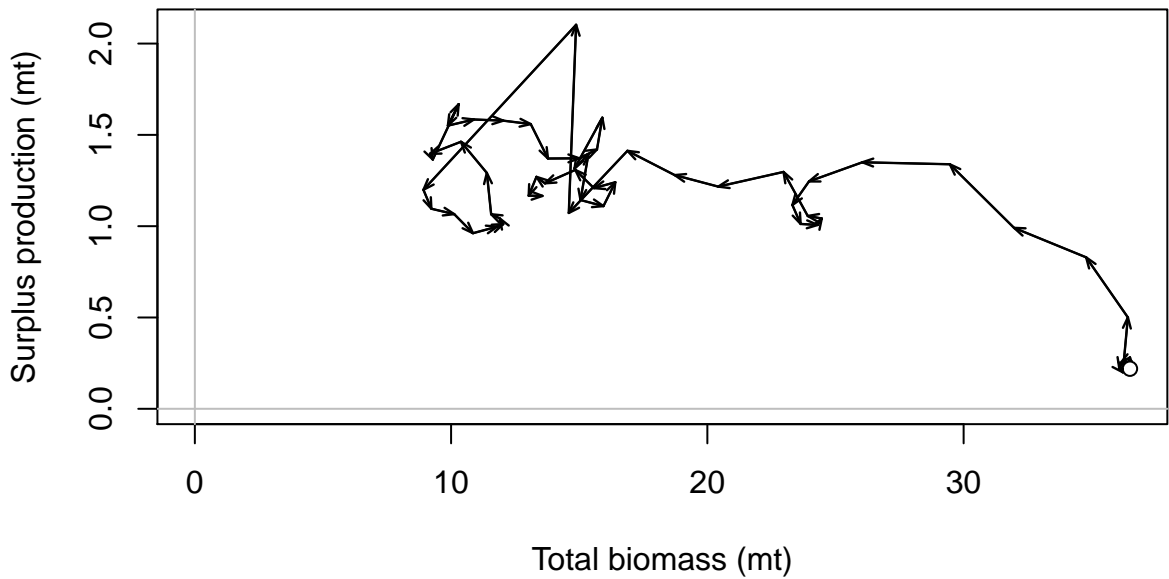


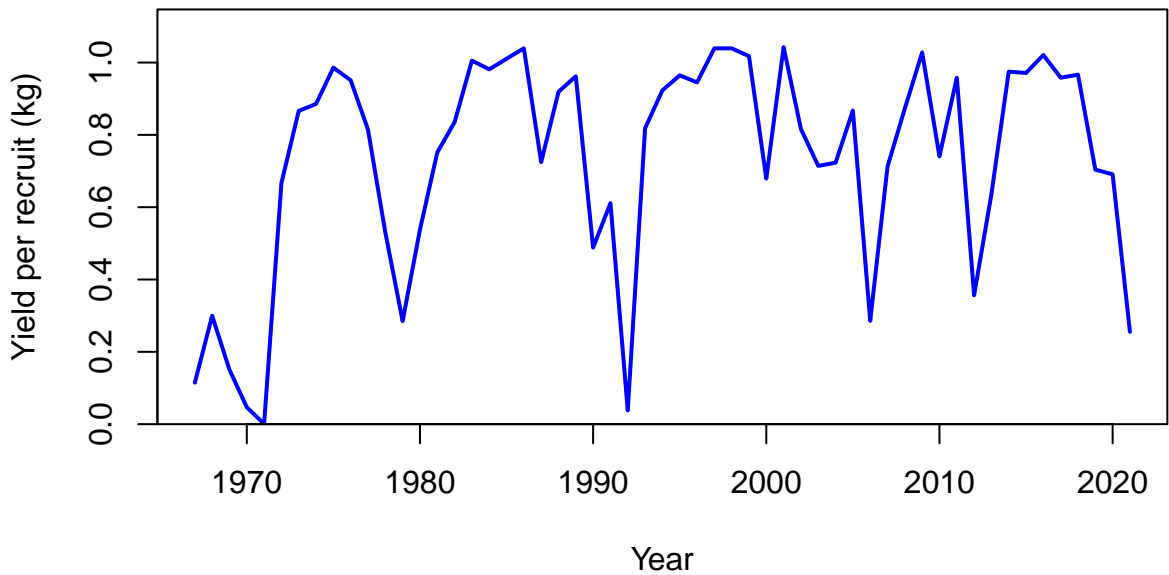
FISHERY (whole catch)

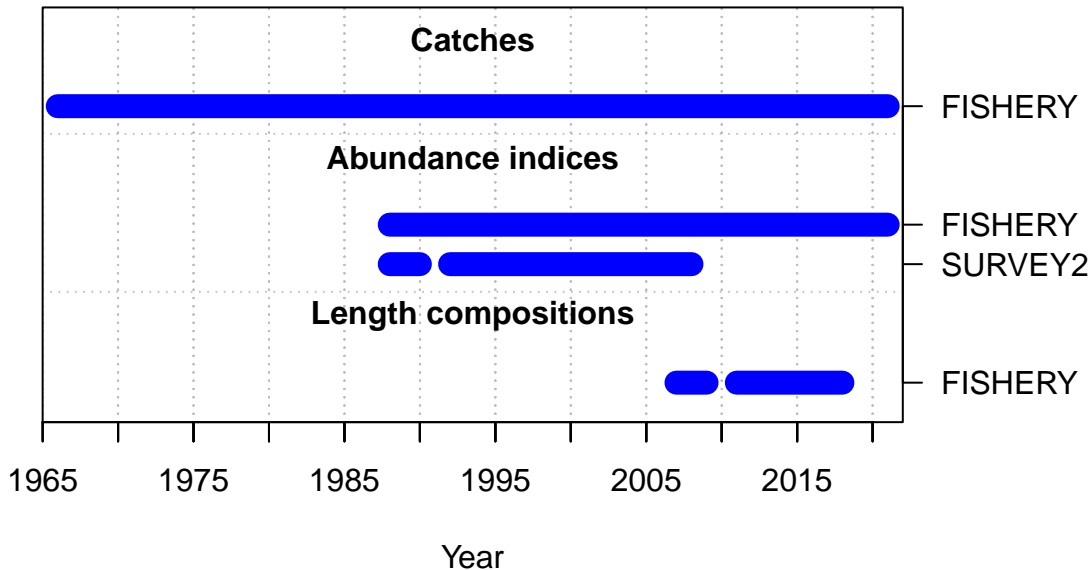


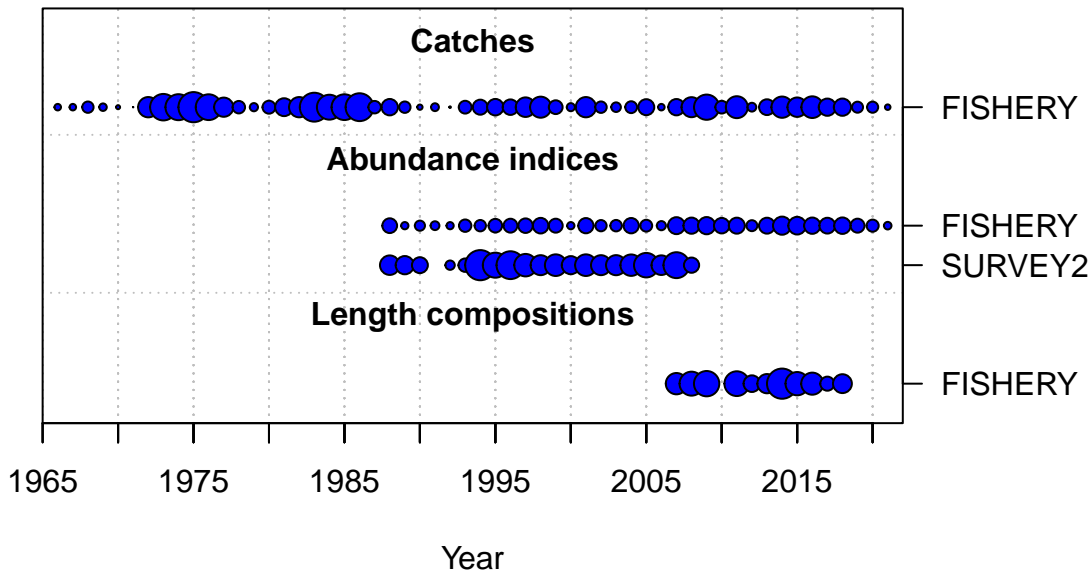






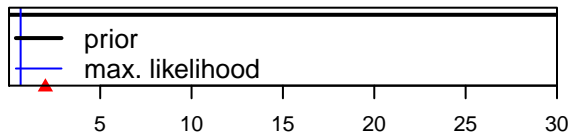




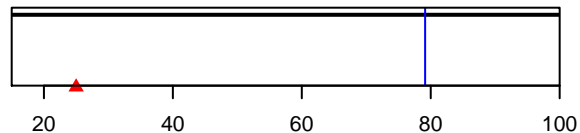


Density

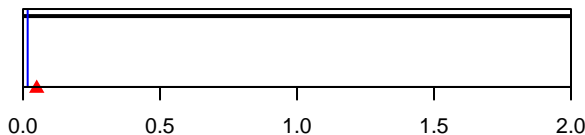
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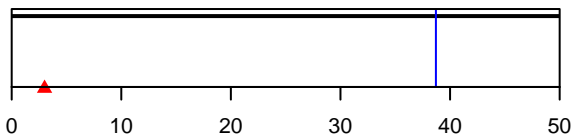
Size_inflection_FISHERY(1)



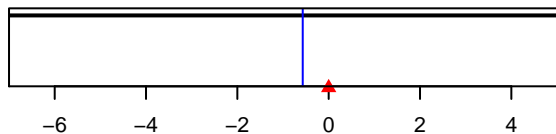
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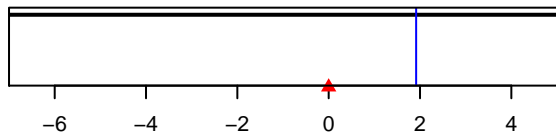
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value