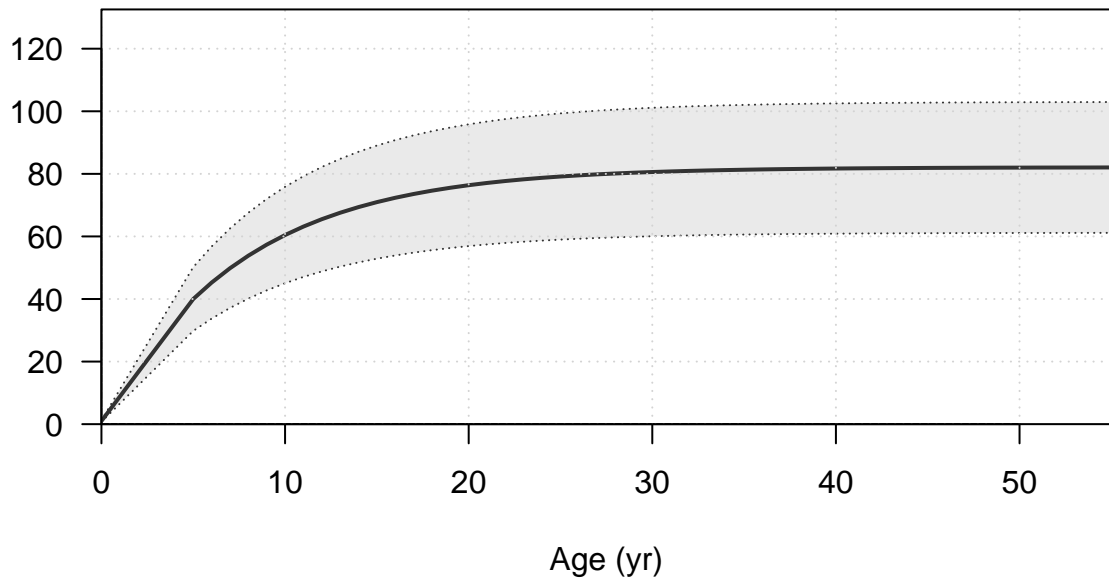
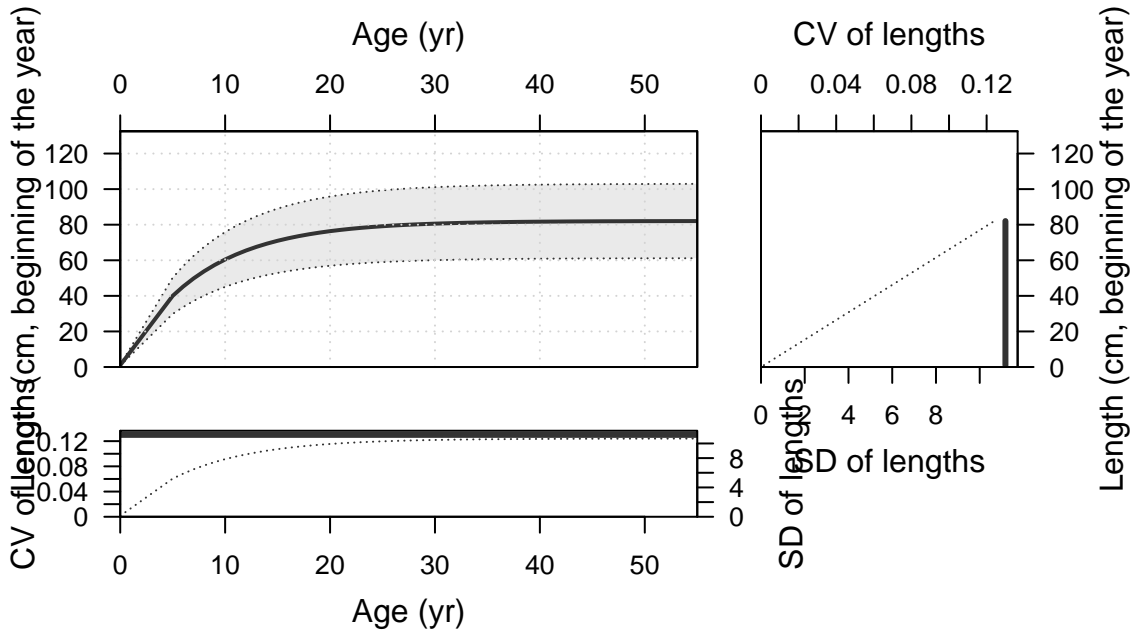
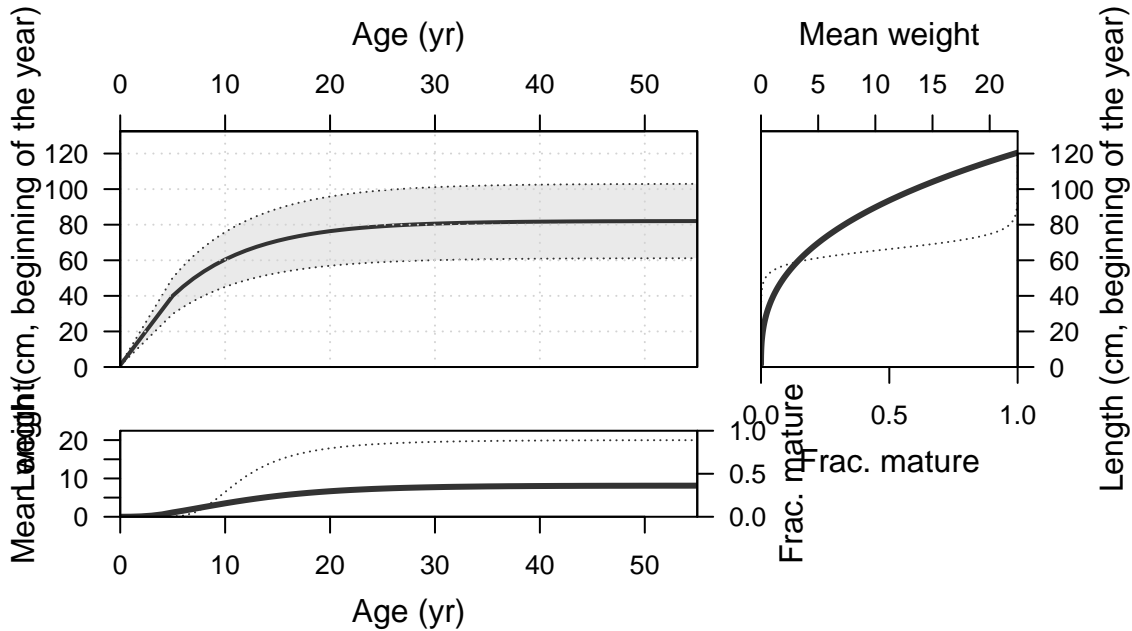


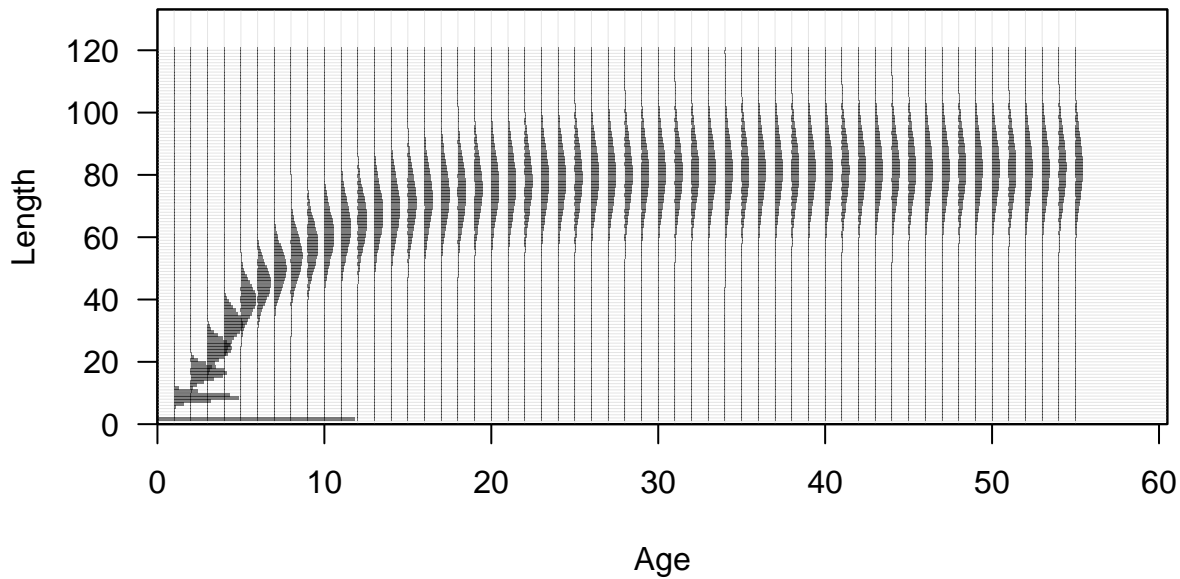
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Wed Jun 29 12:14:27 2022
Data_File: data.ss
Control_File: control.ss

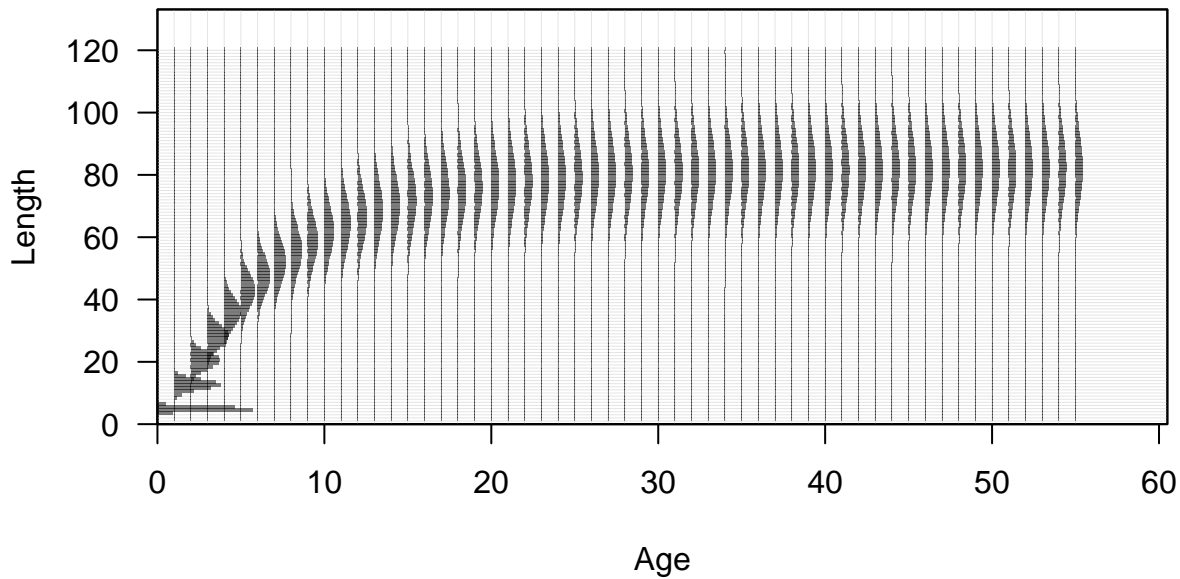
Length (cm, beginning of the year)



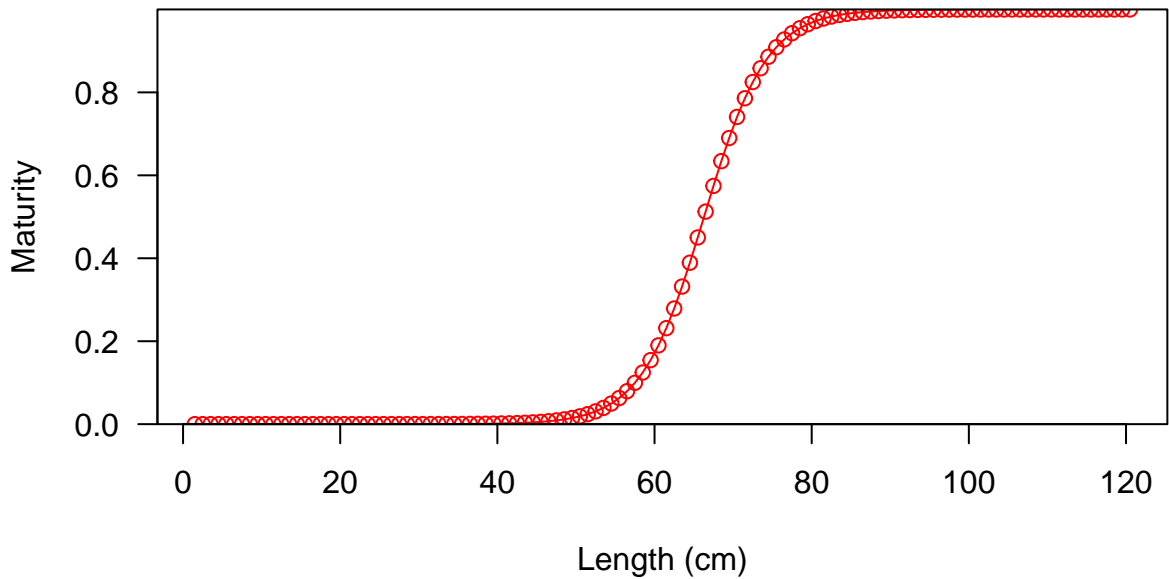










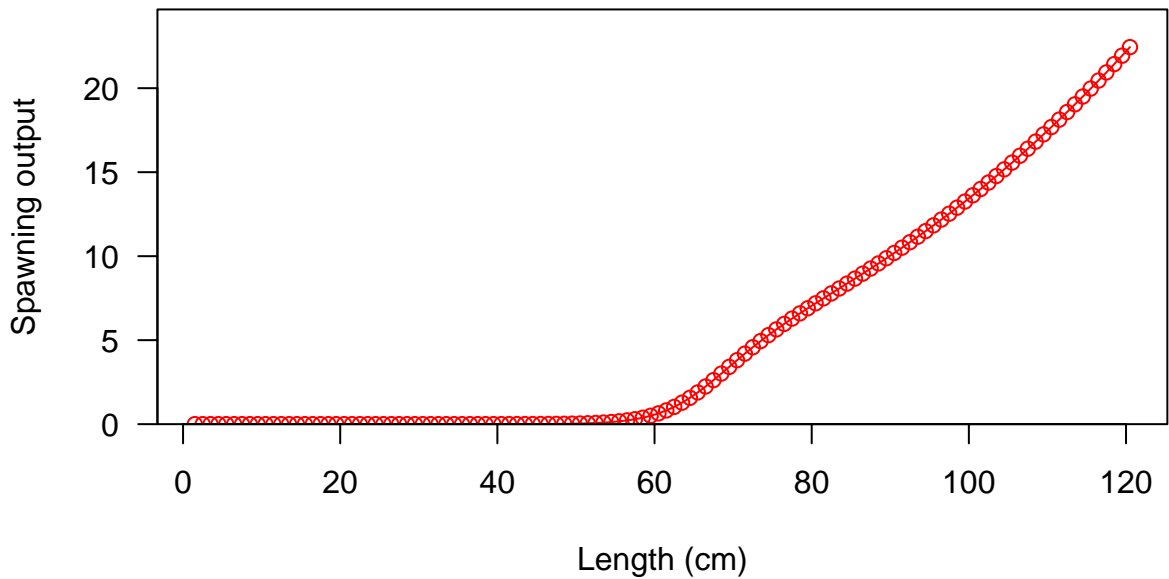




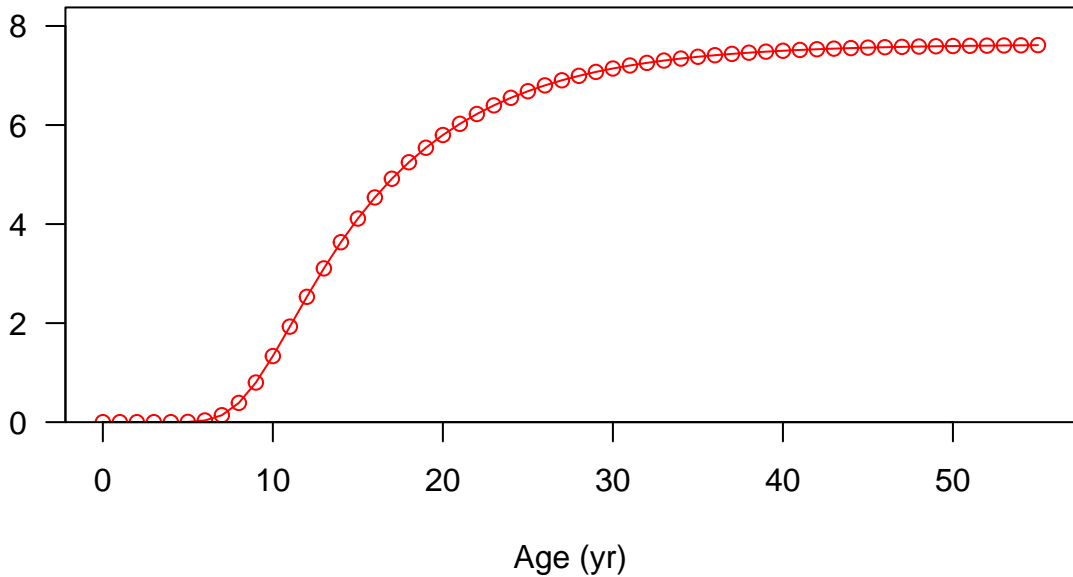


Fecundity

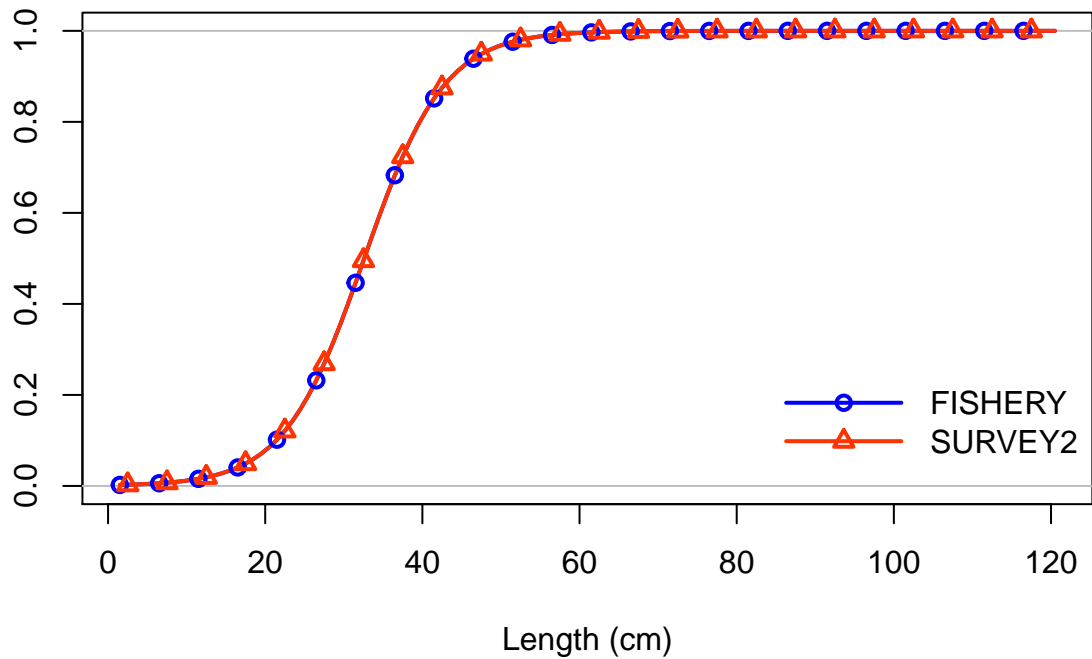




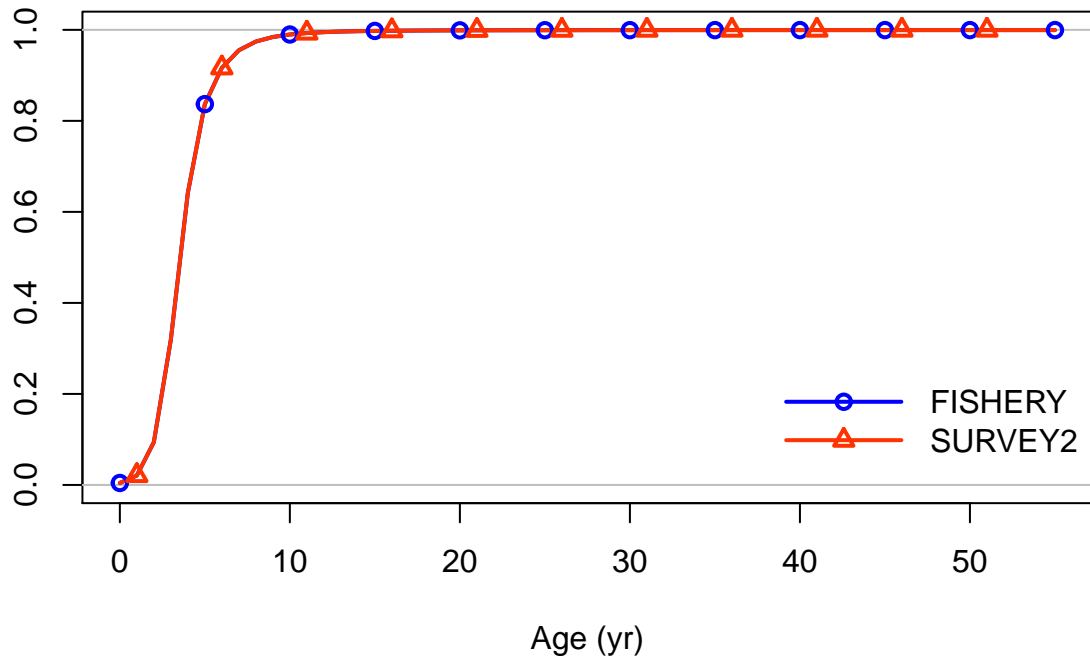
Spawning output



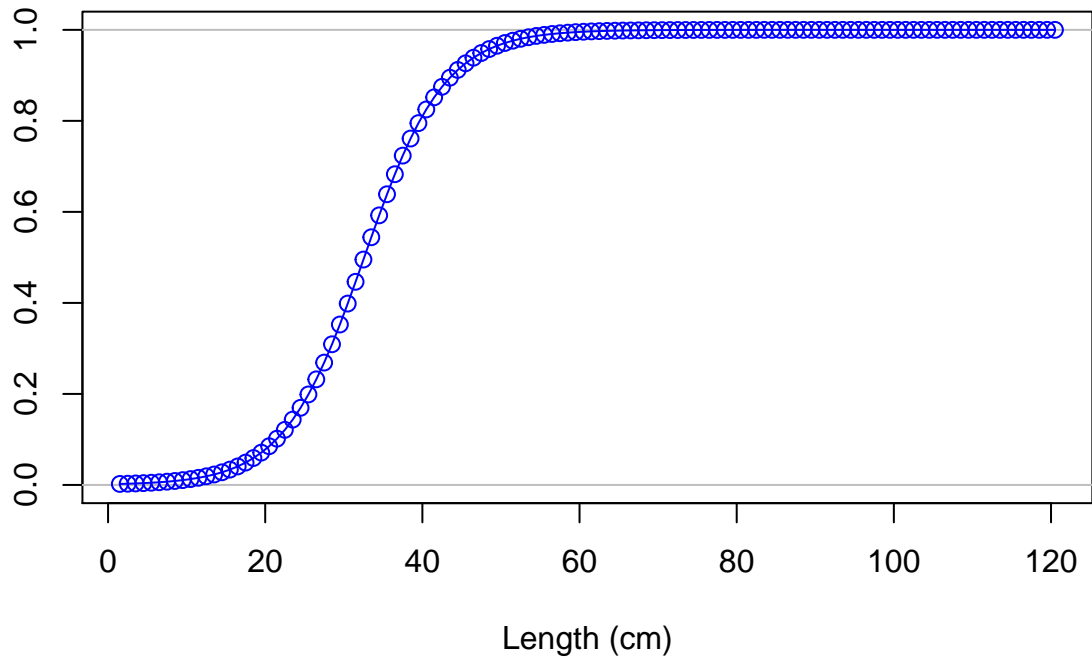
Selectivity



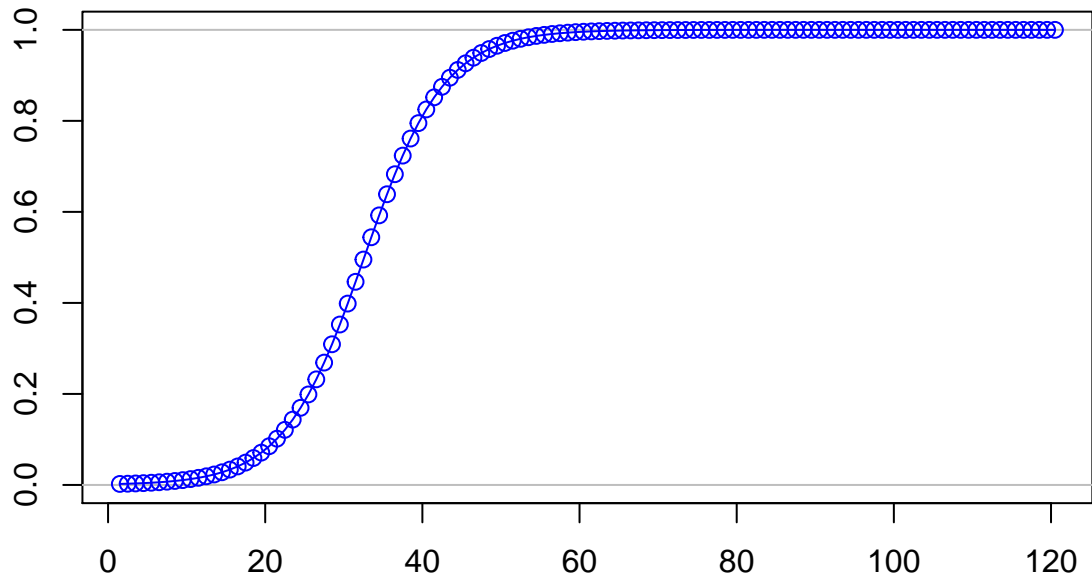
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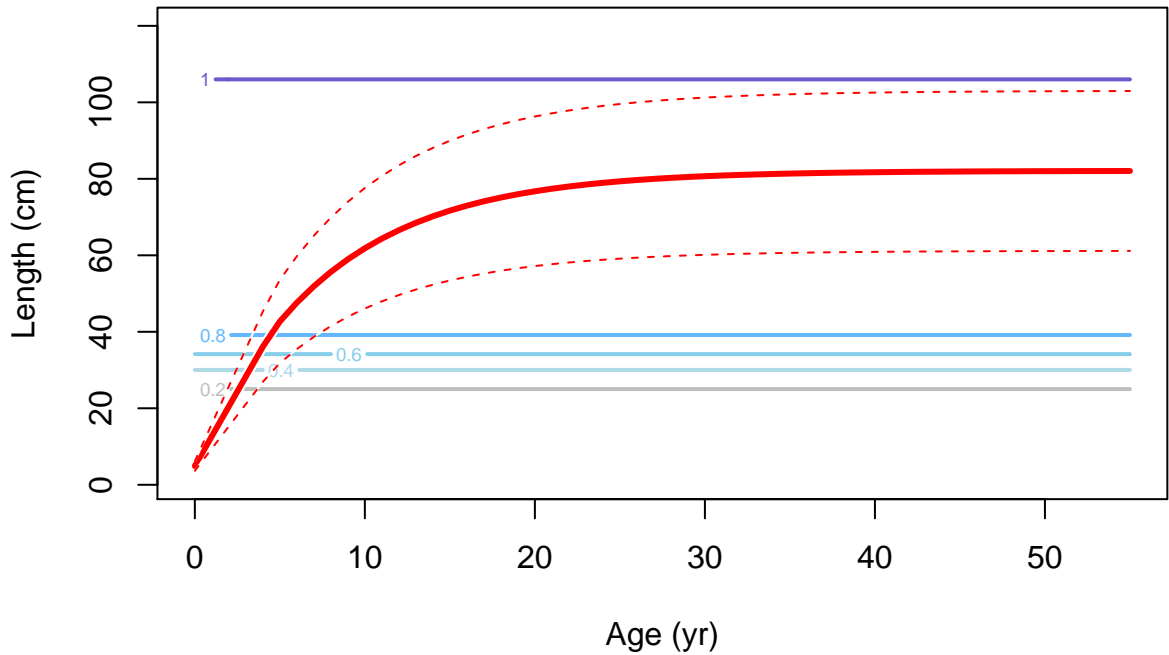
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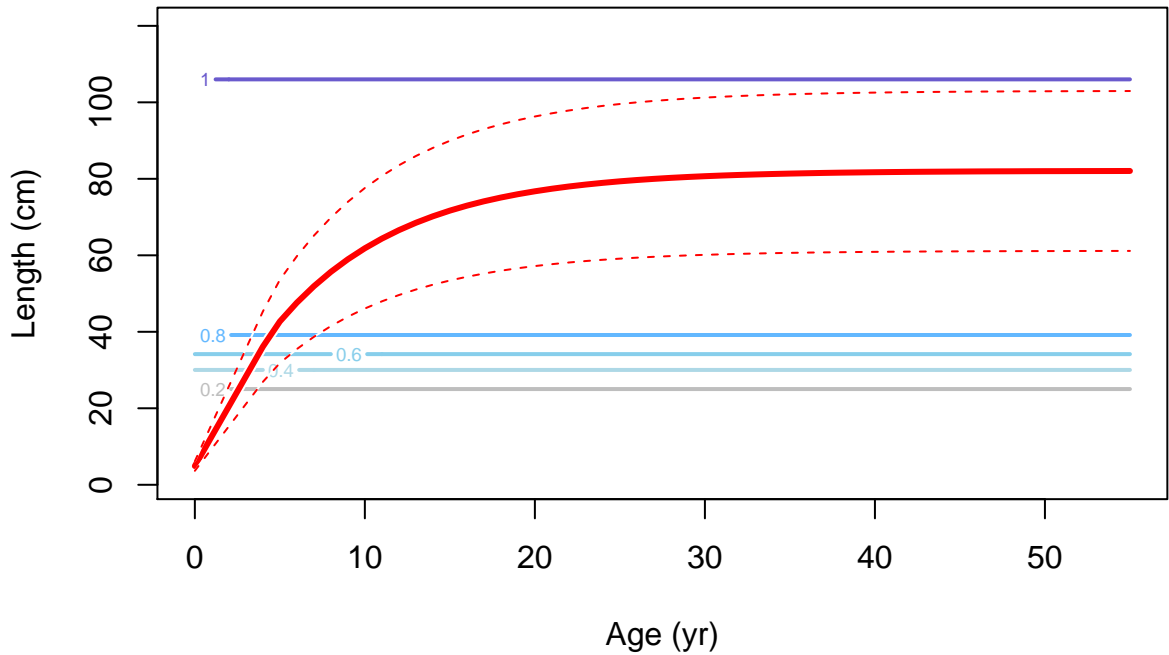


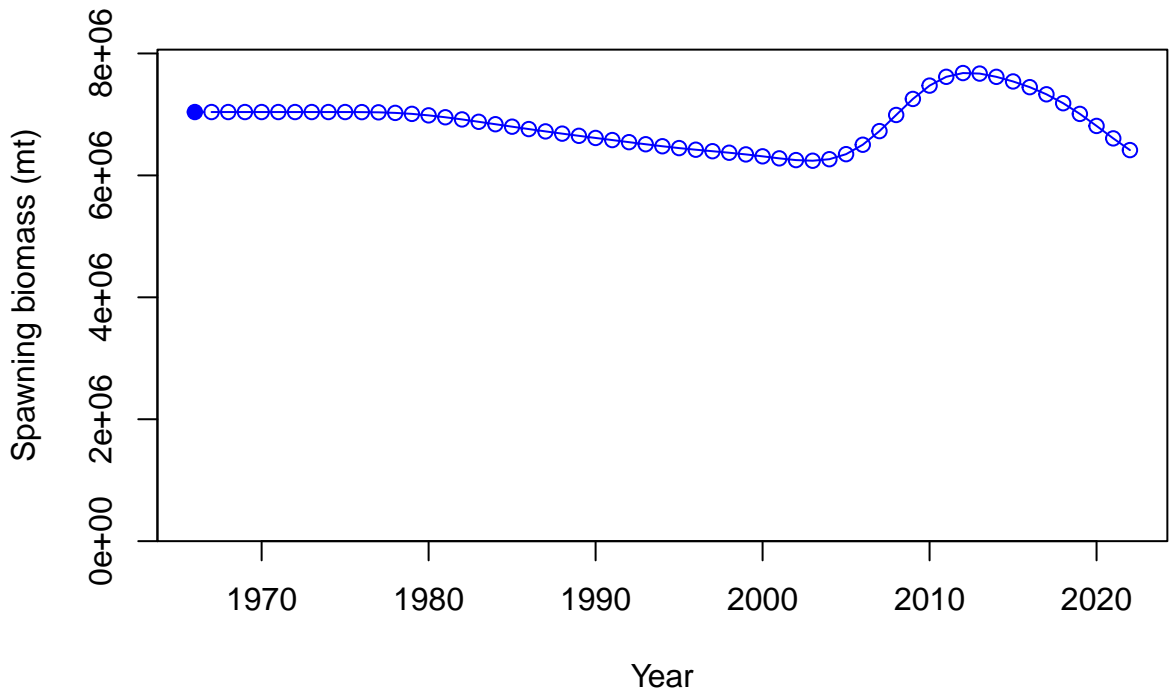
Selectivity



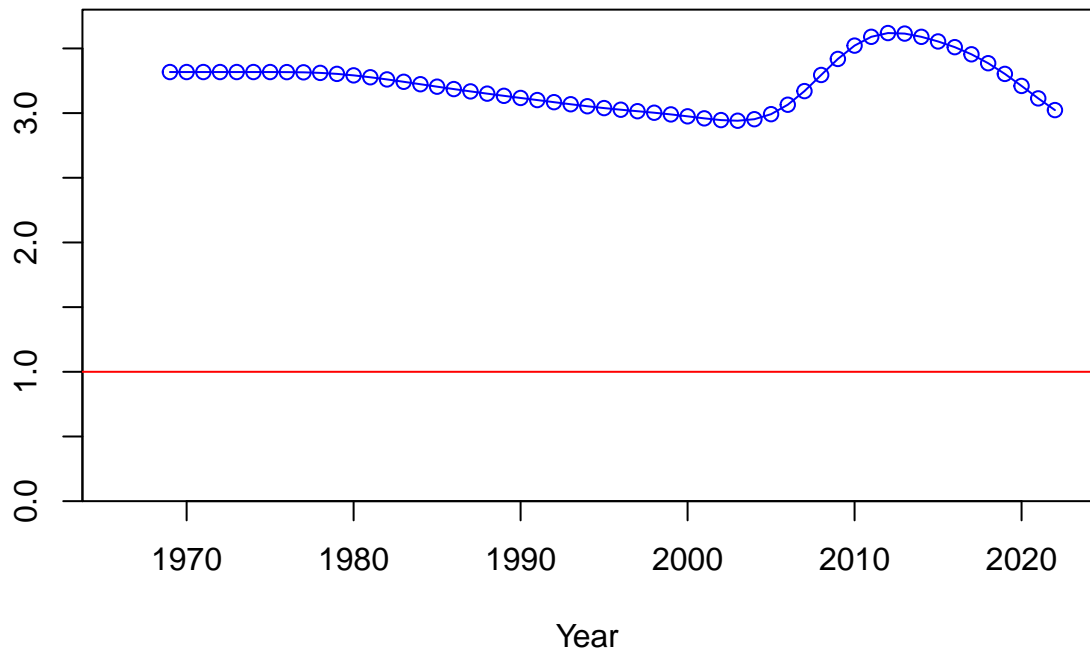
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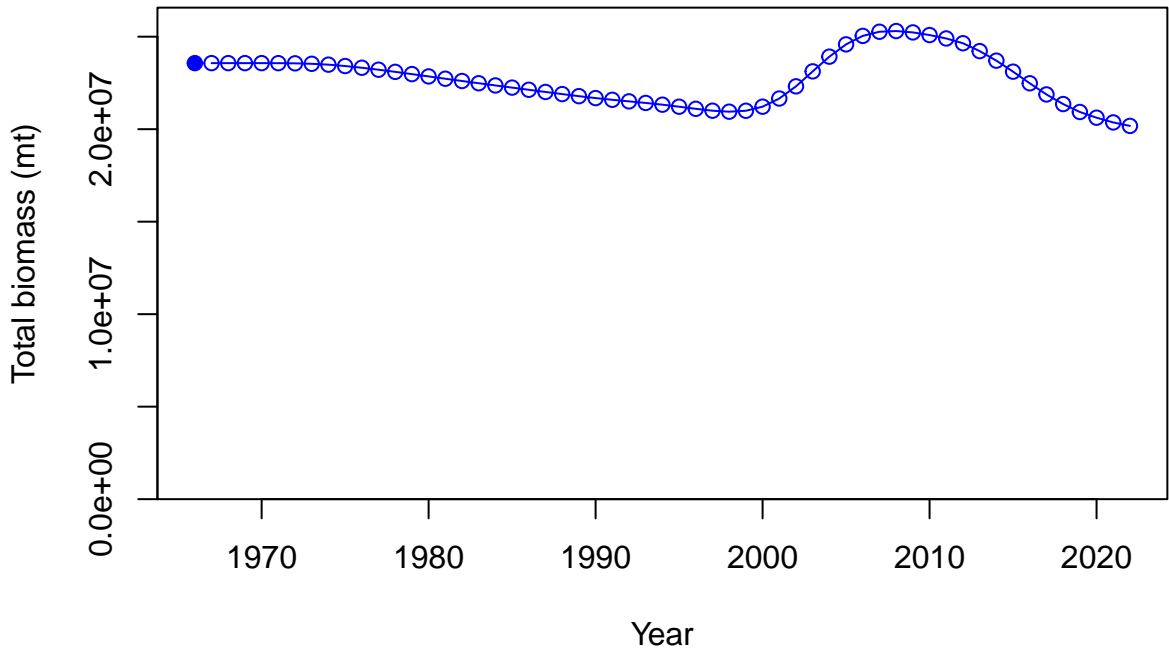




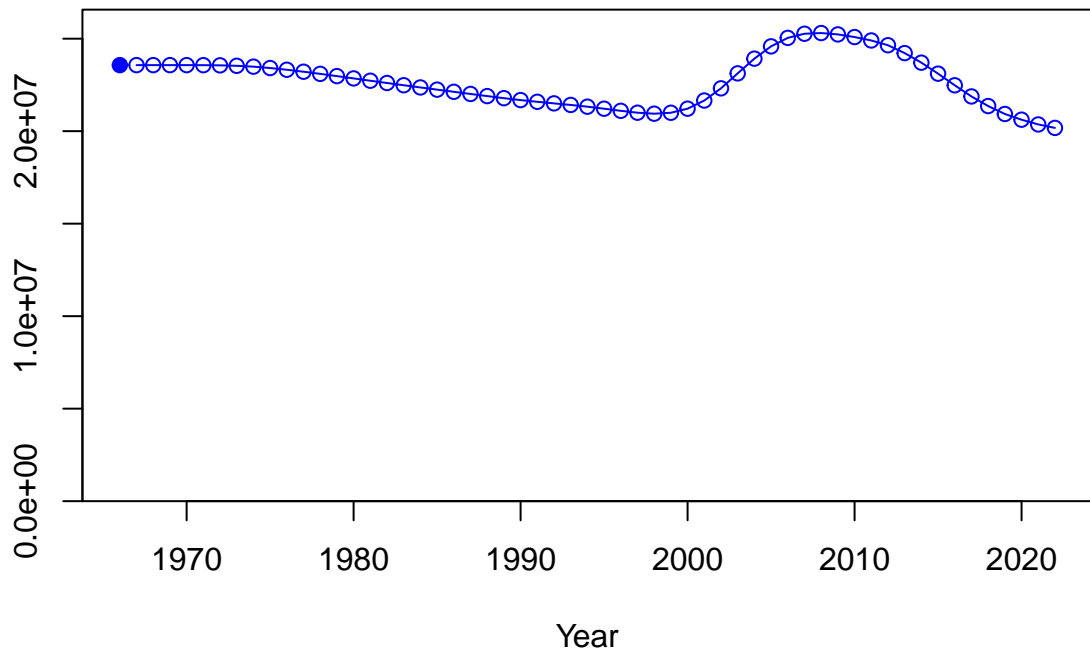


Relative spawning biomass: B/B_{MSY}

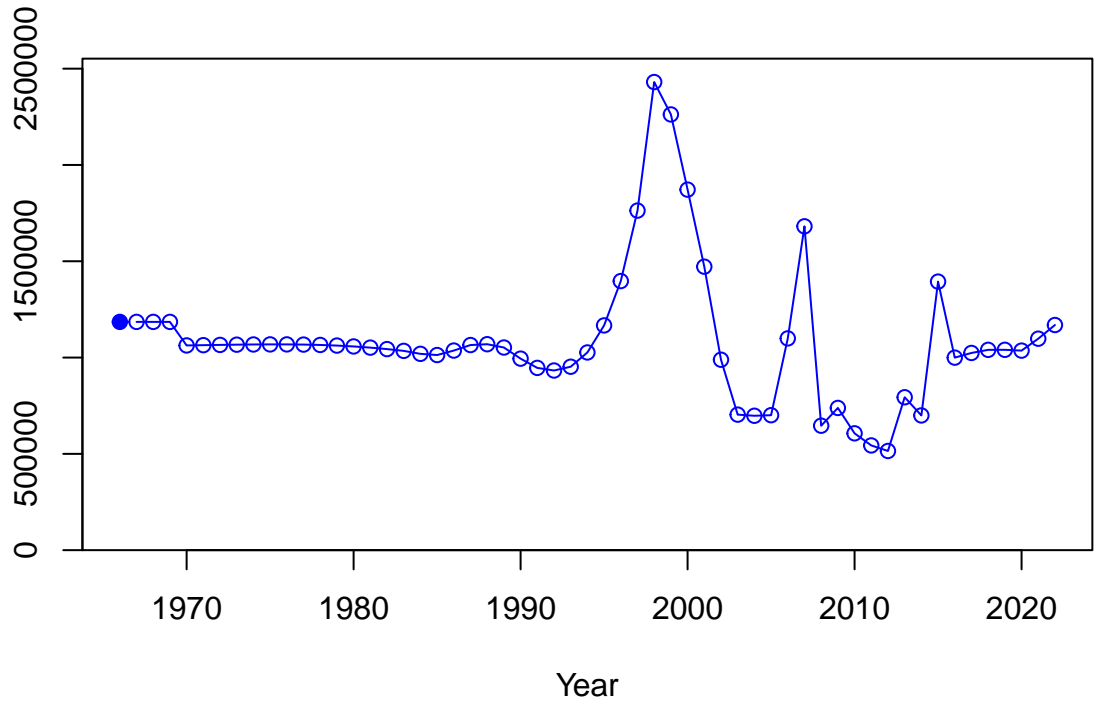




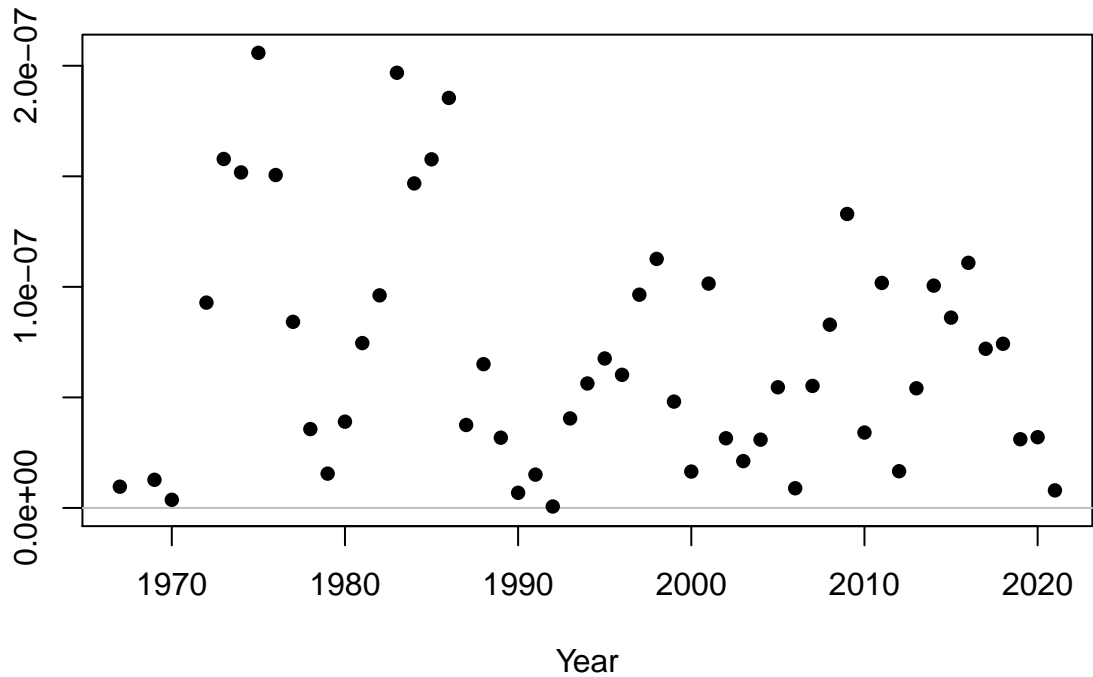
Summary biomass (mt)

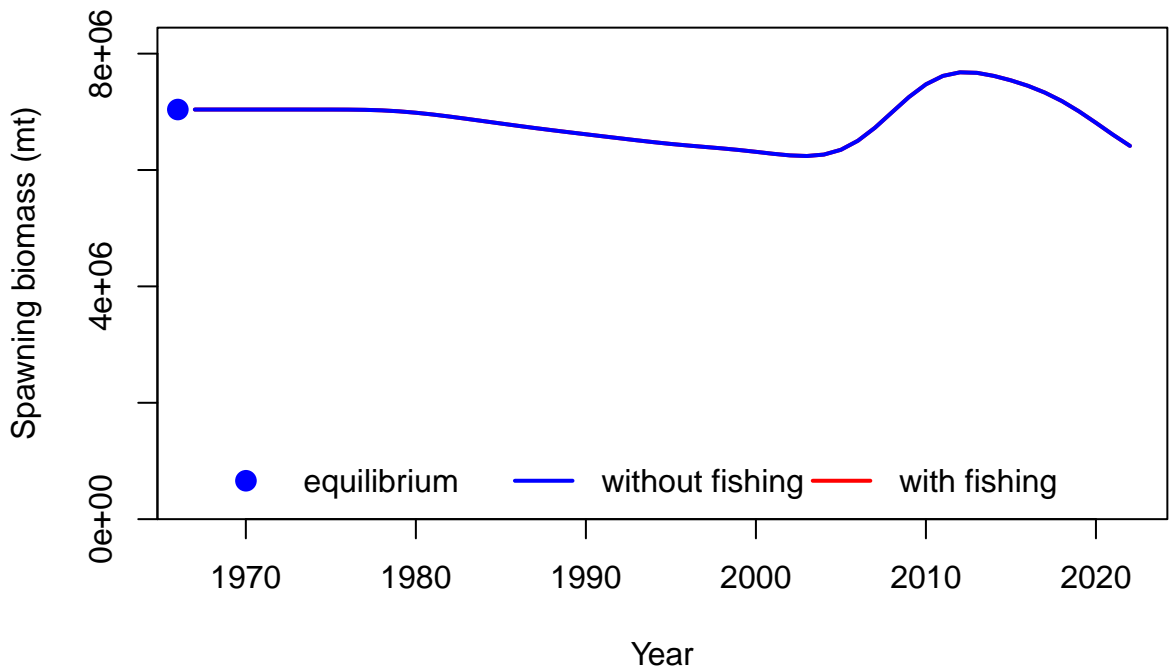


Age-0 recruits (1,000s)

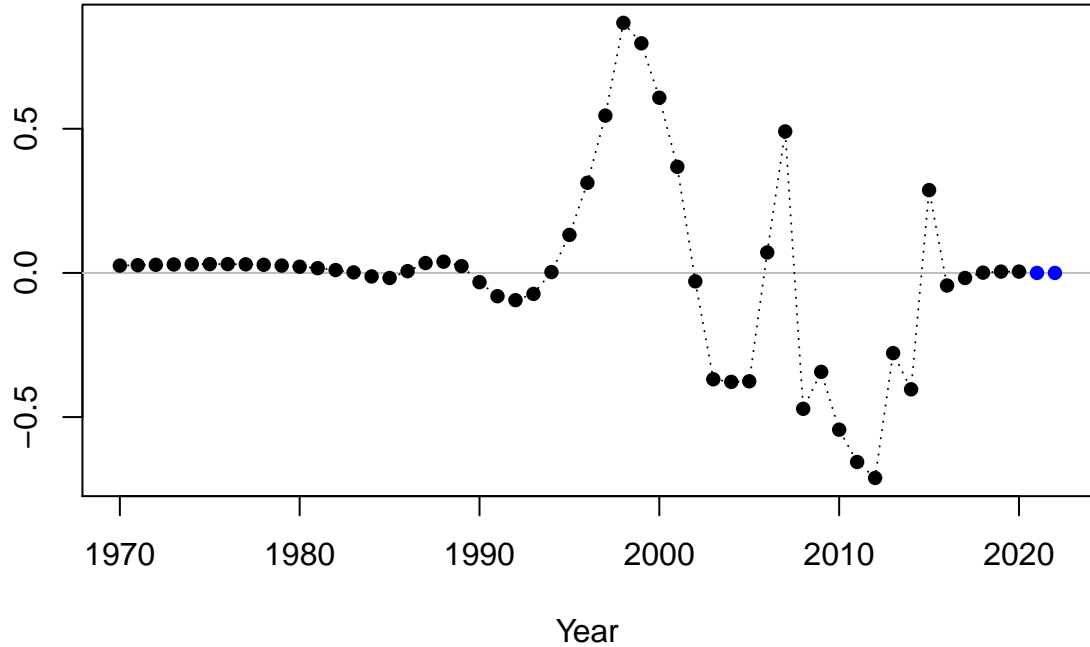


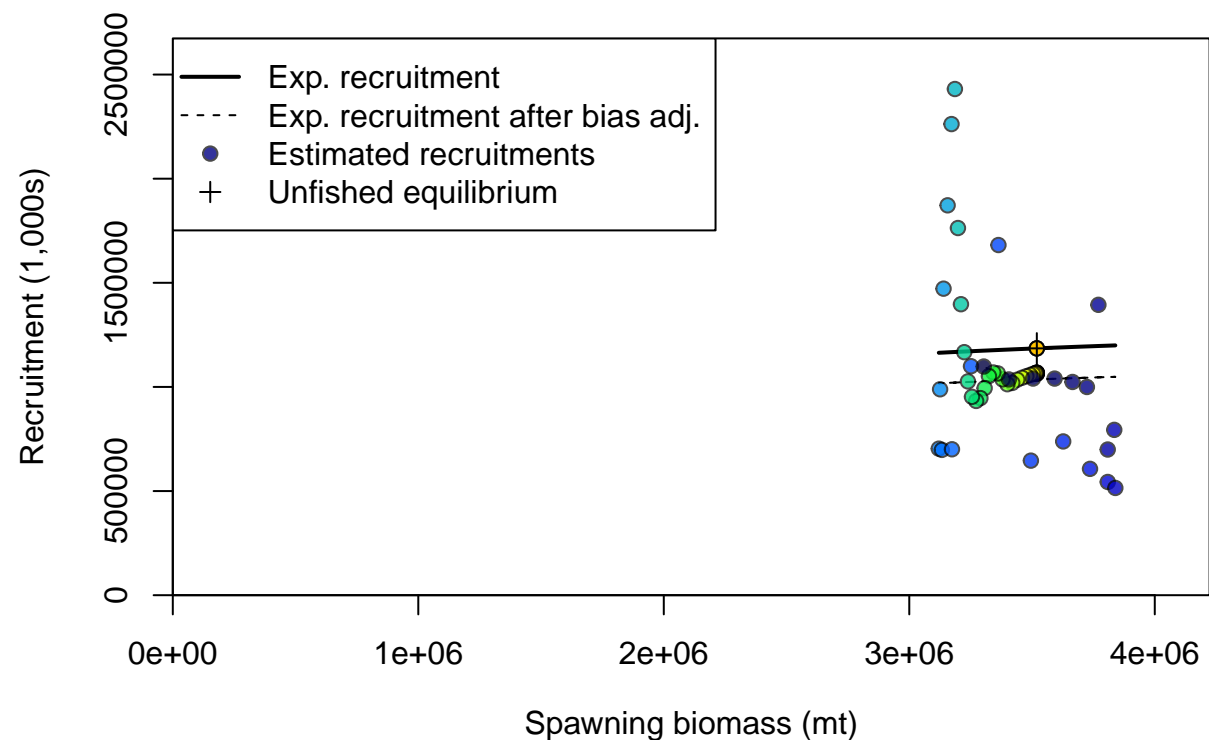
Summary Fishing Mortality

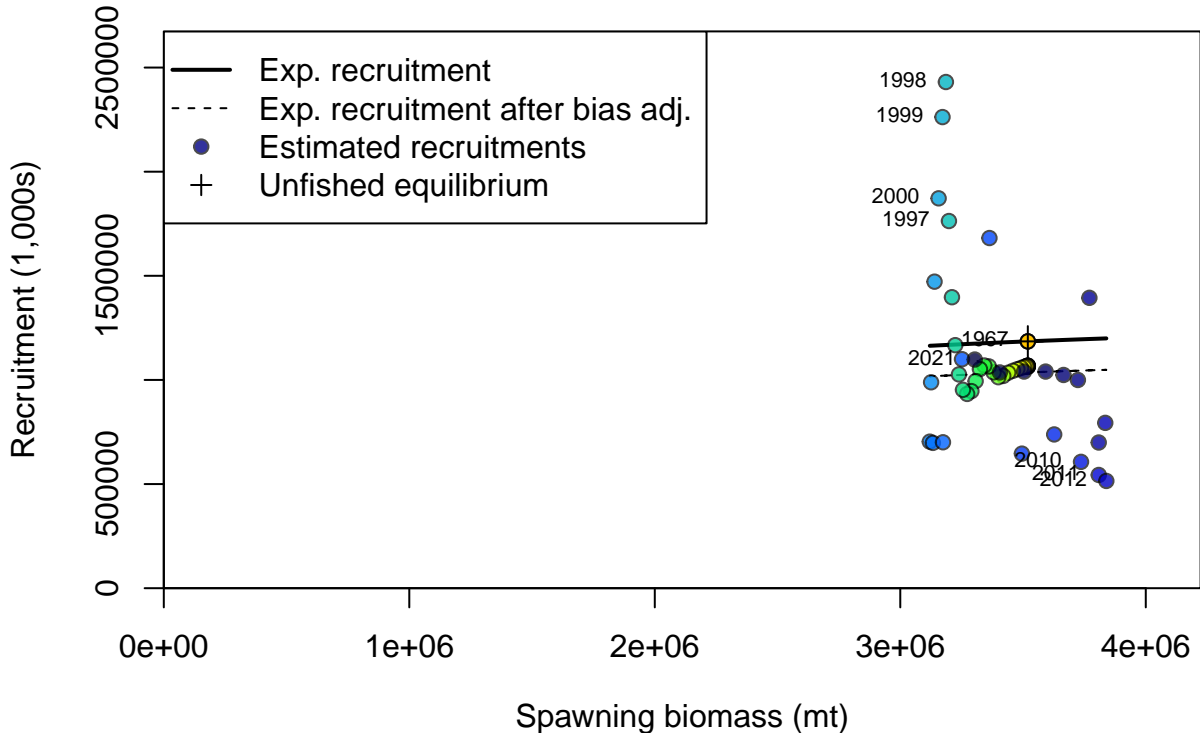




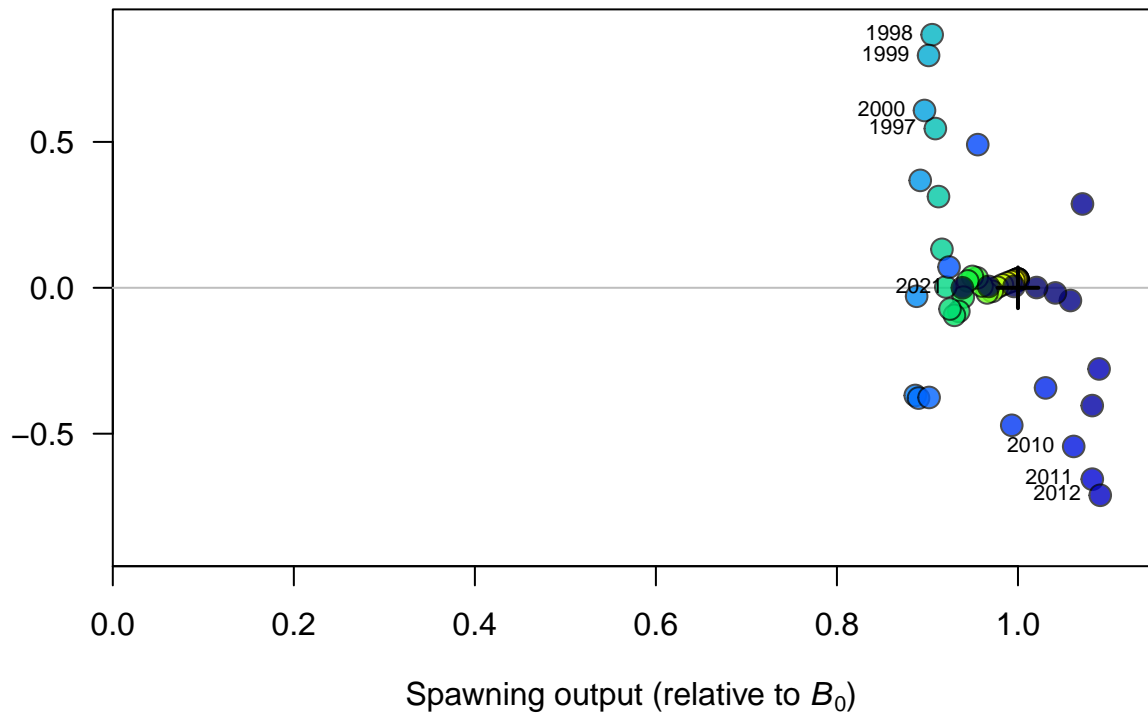
Log recruitment deviation

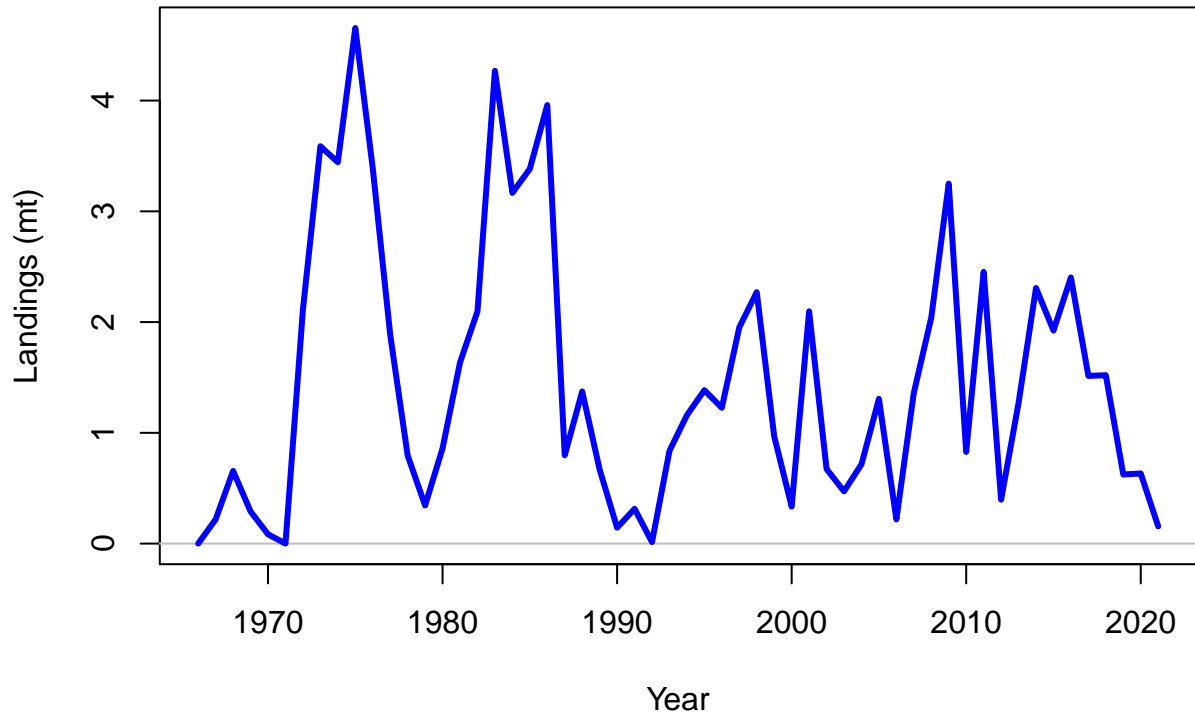


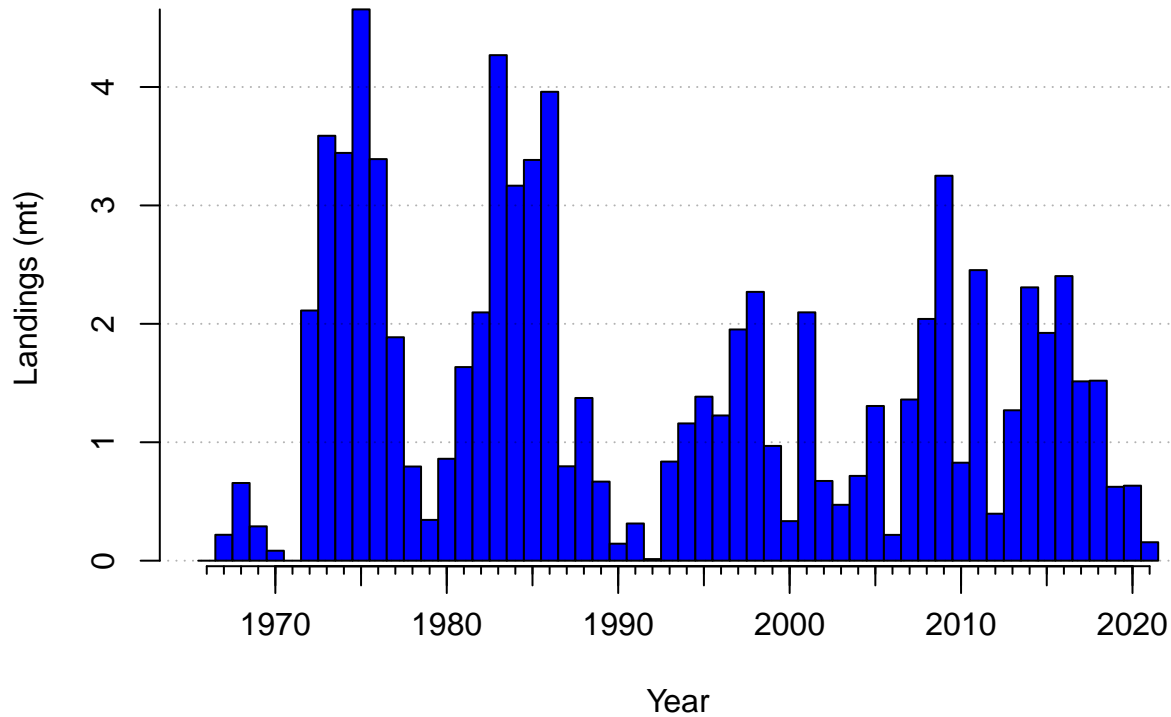


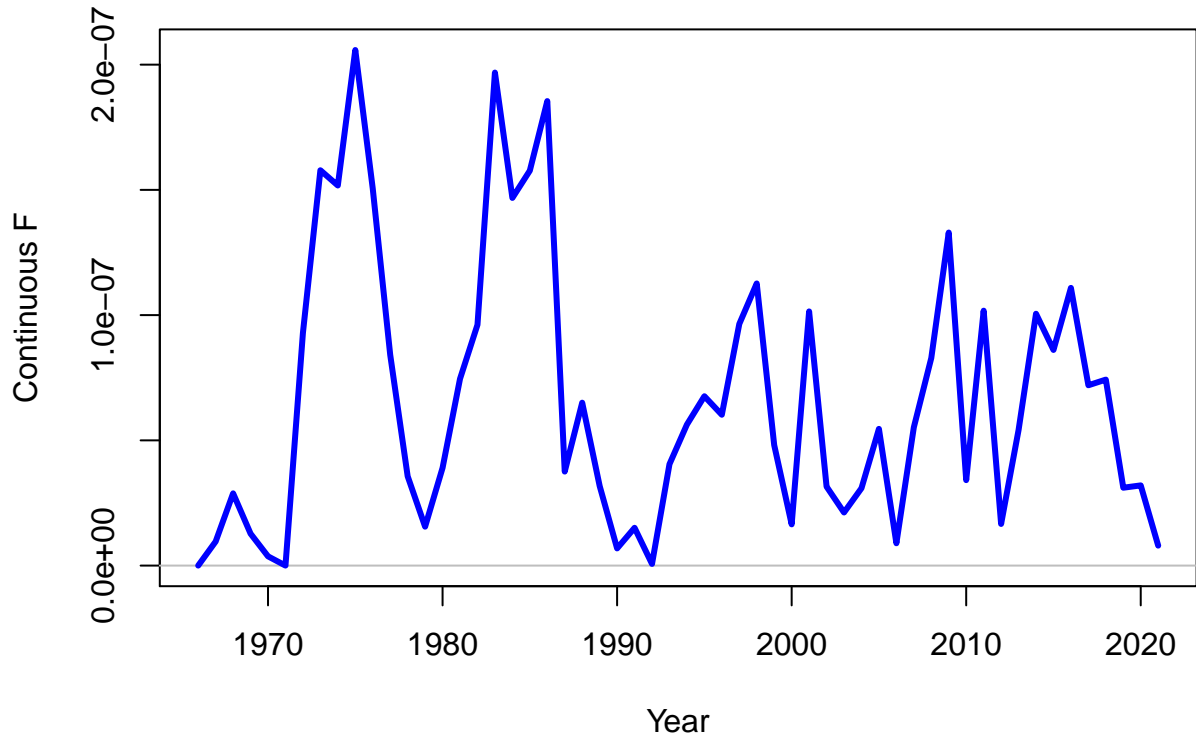


Log recruitment deviation

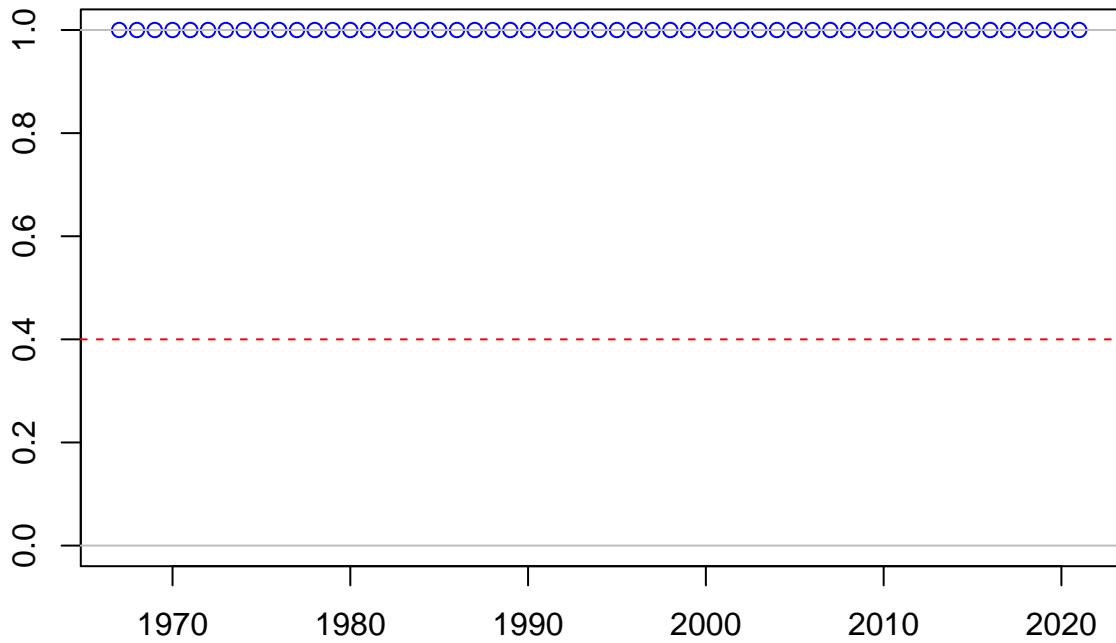




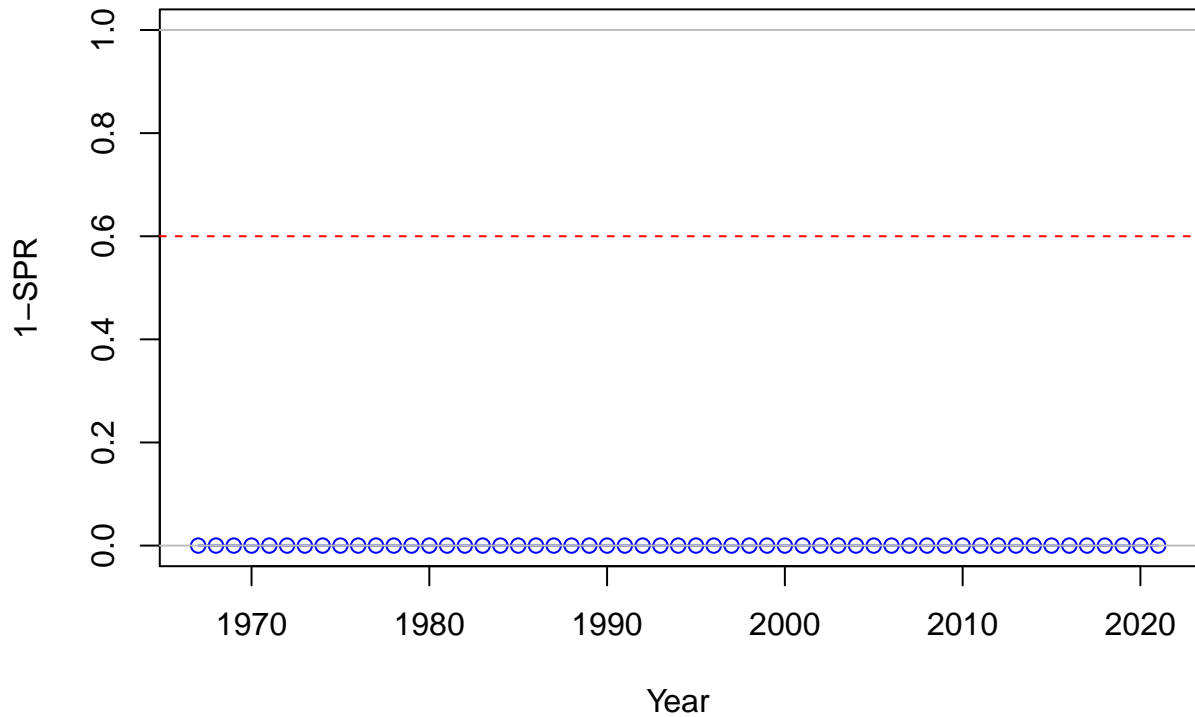




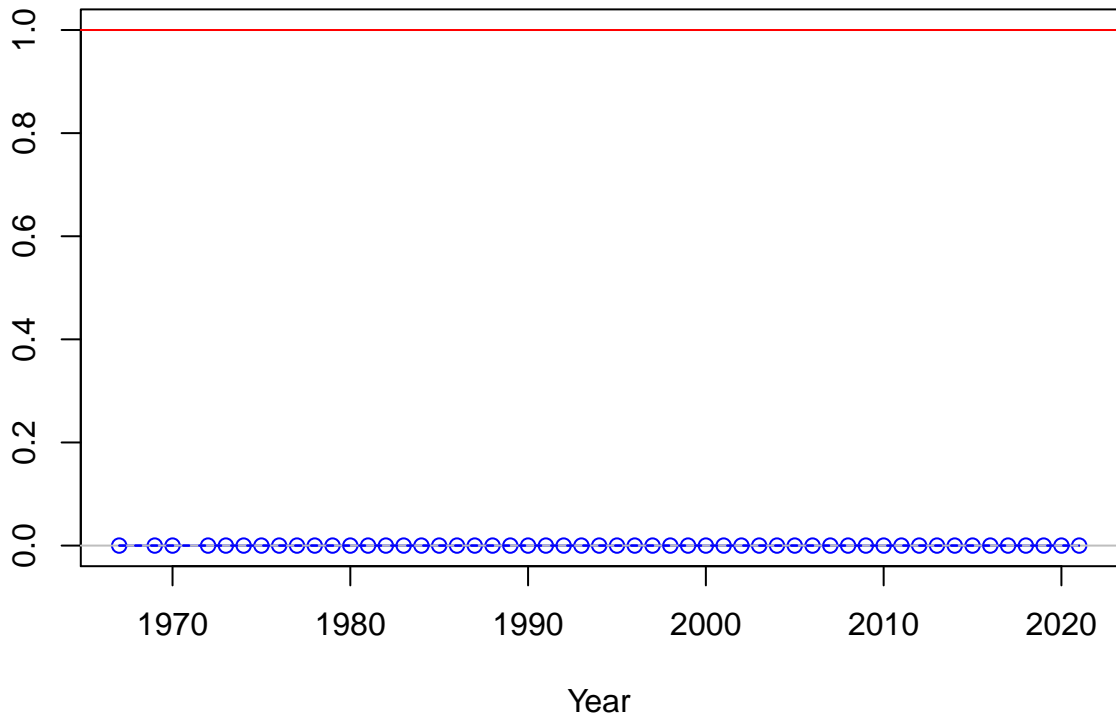
SPR



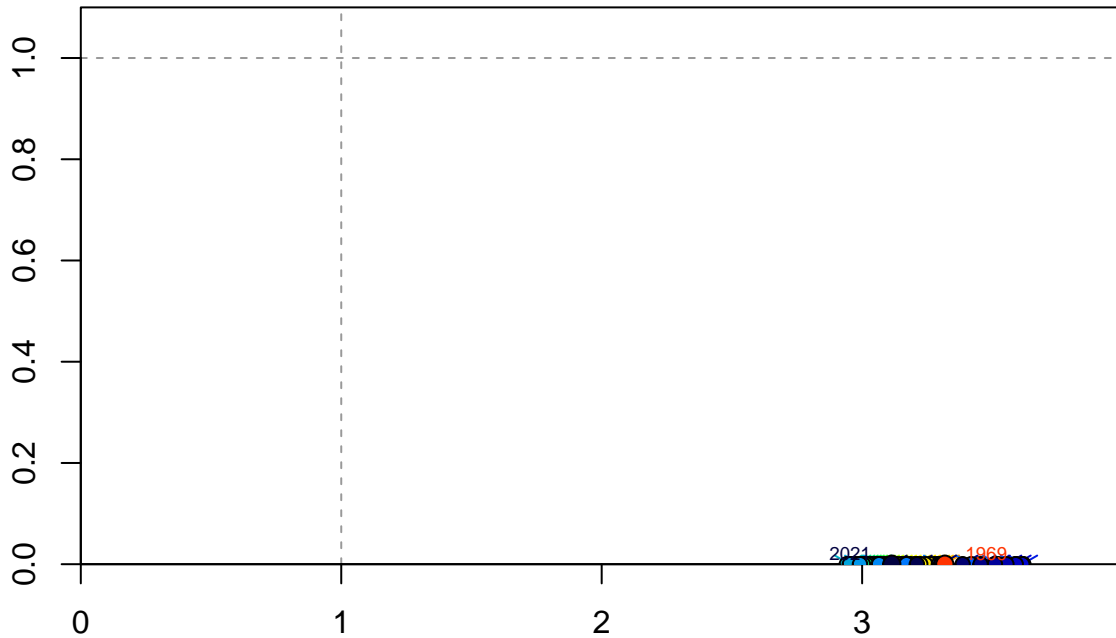
Year



Fishing intensity: 1-SPR

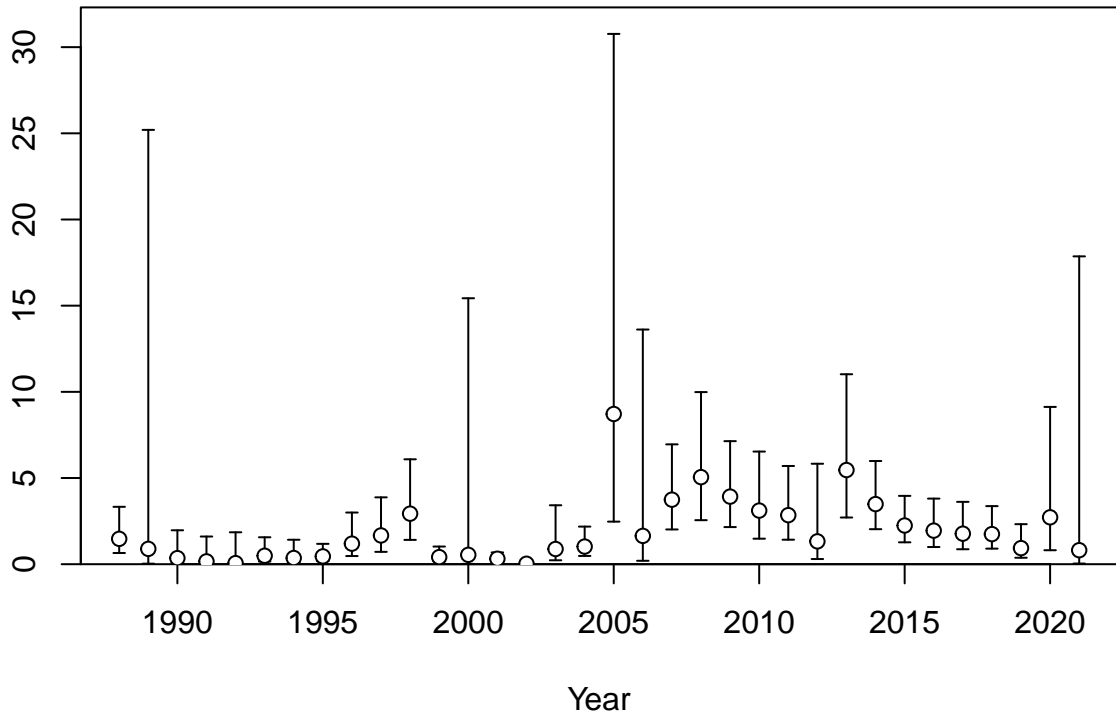


Fishing intensity: 1-SPR

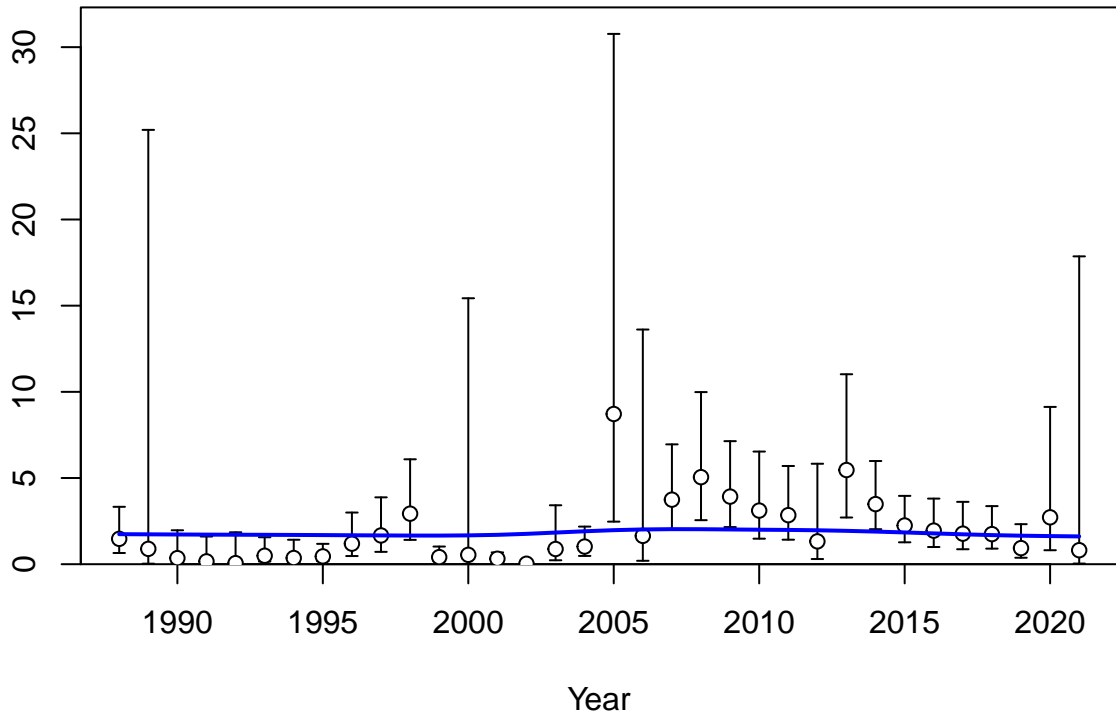


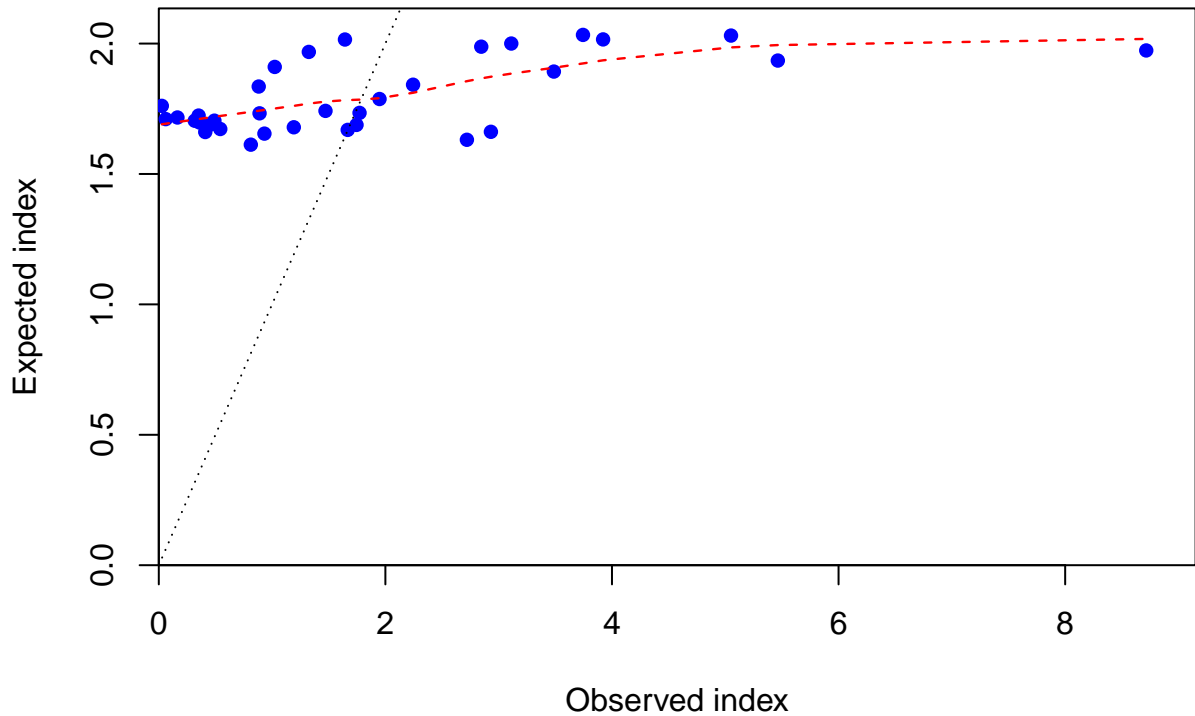
Relative spawning output: B/B_{MSY}

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1990

1995

2000

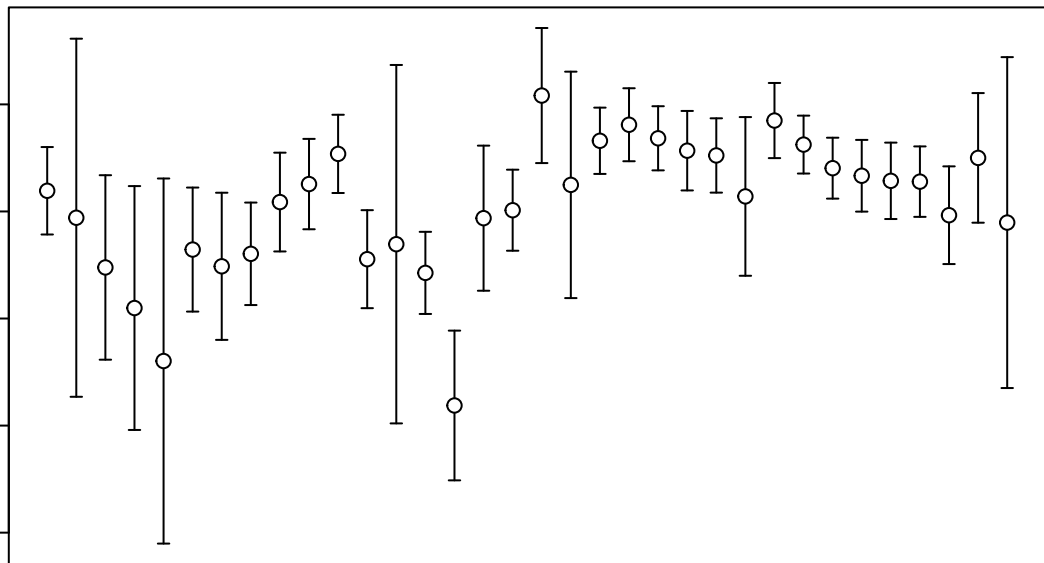
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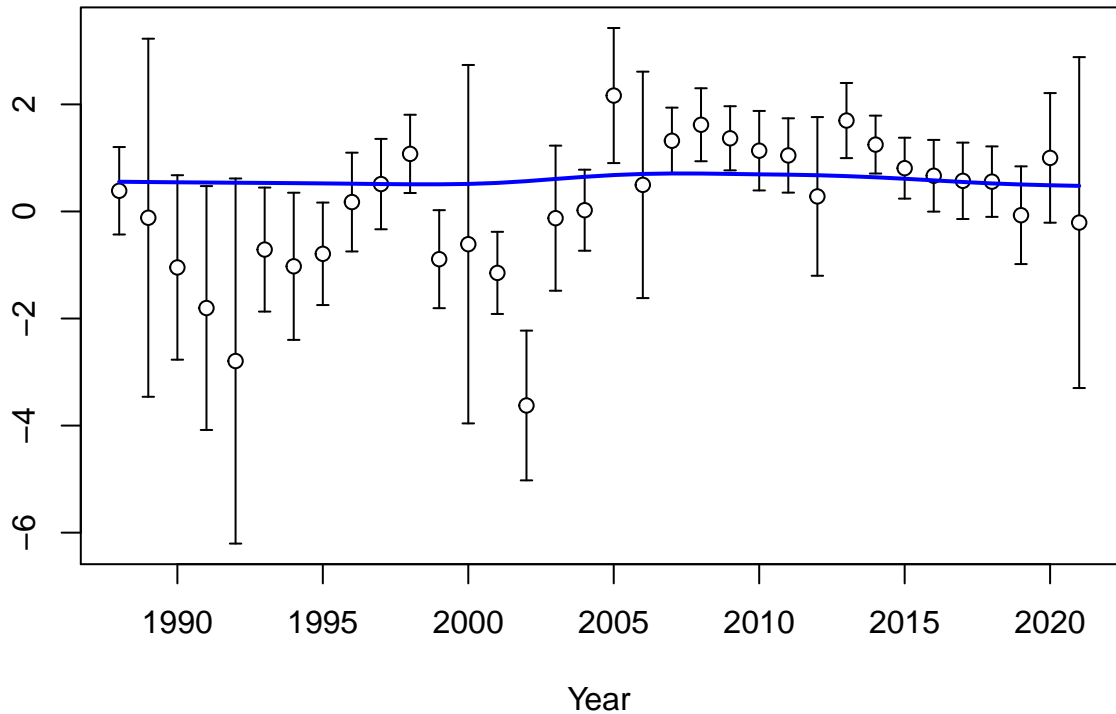
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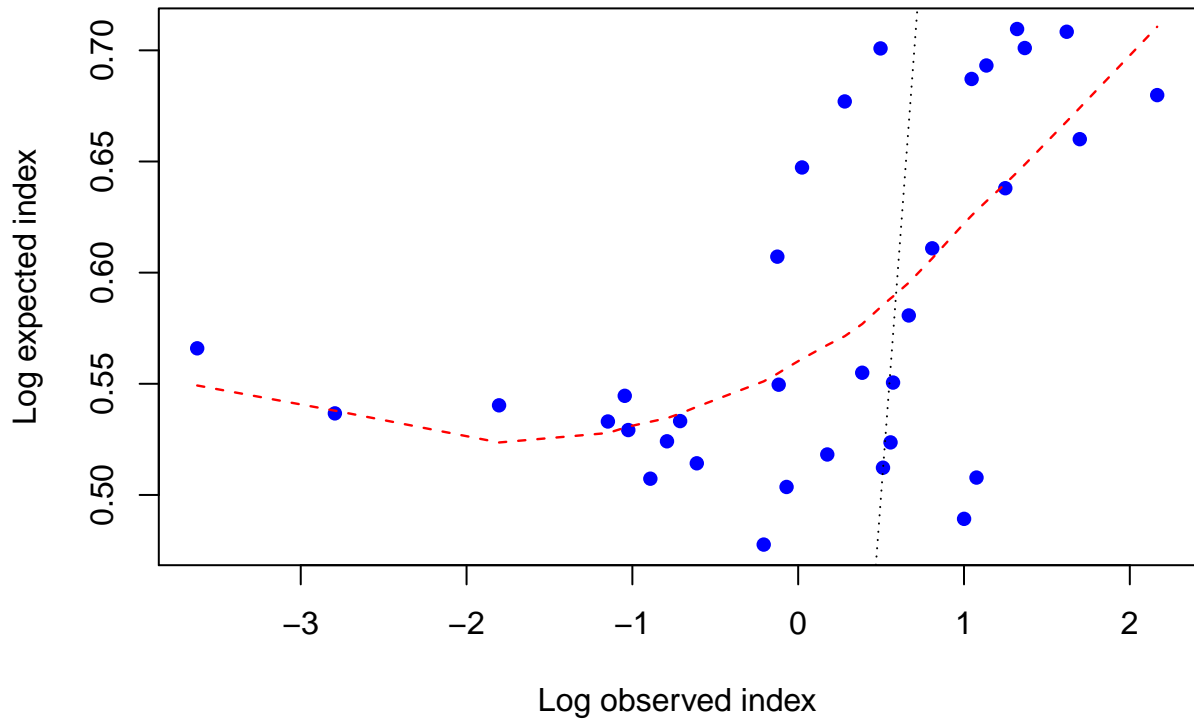
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Year

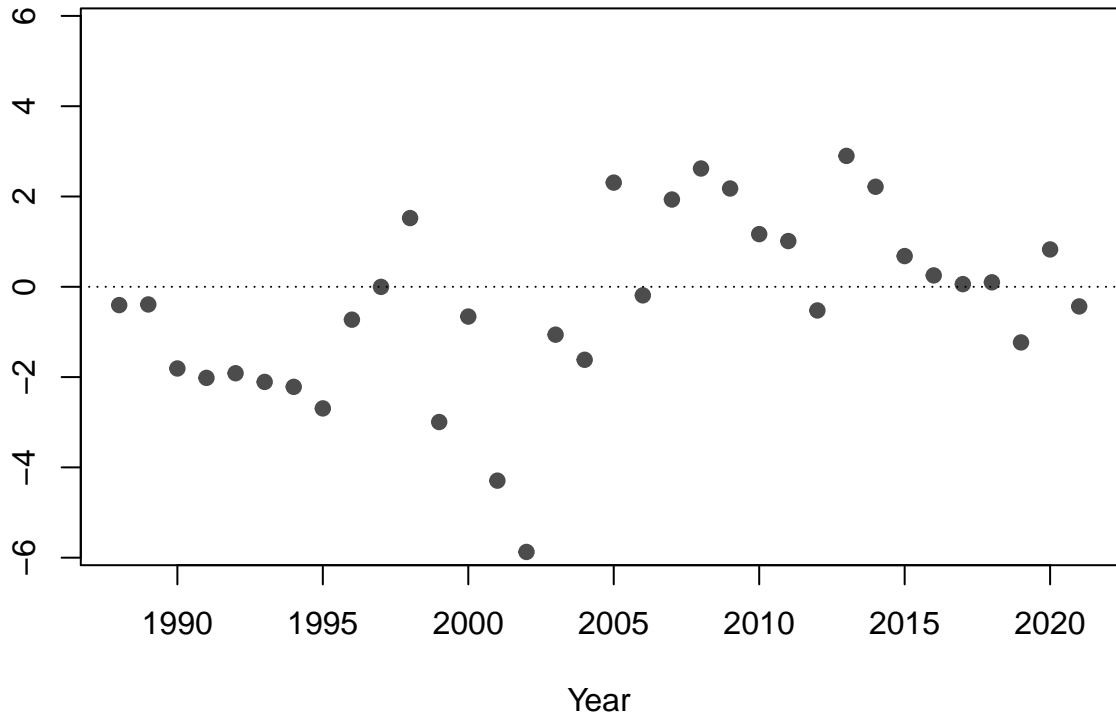


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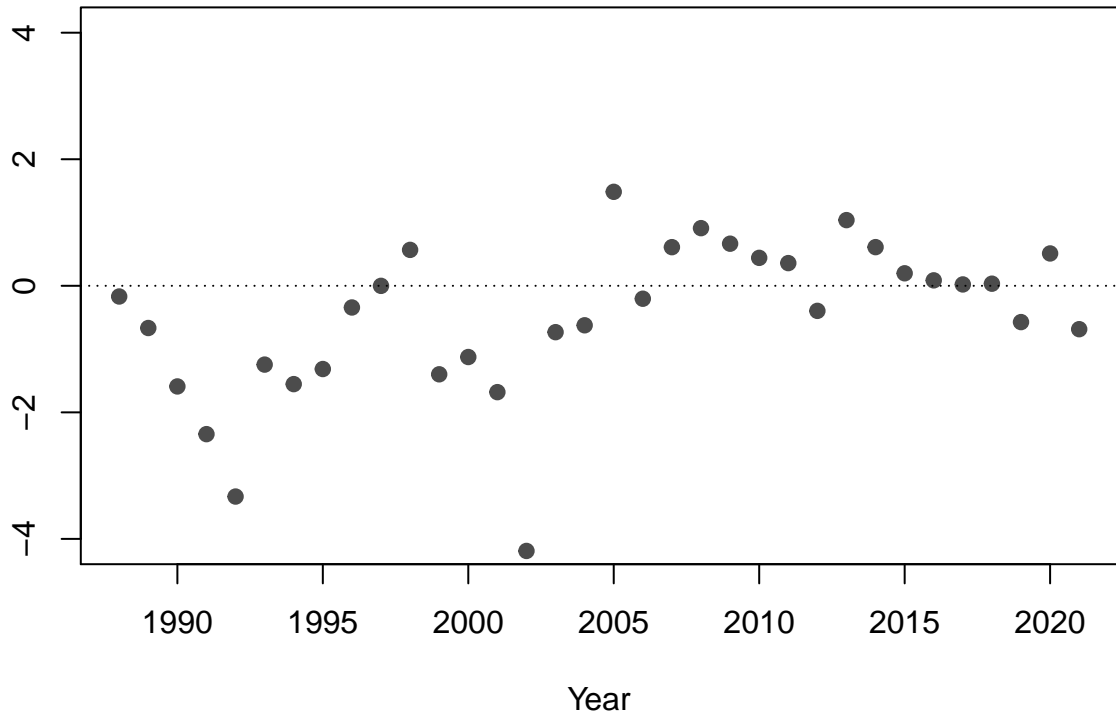


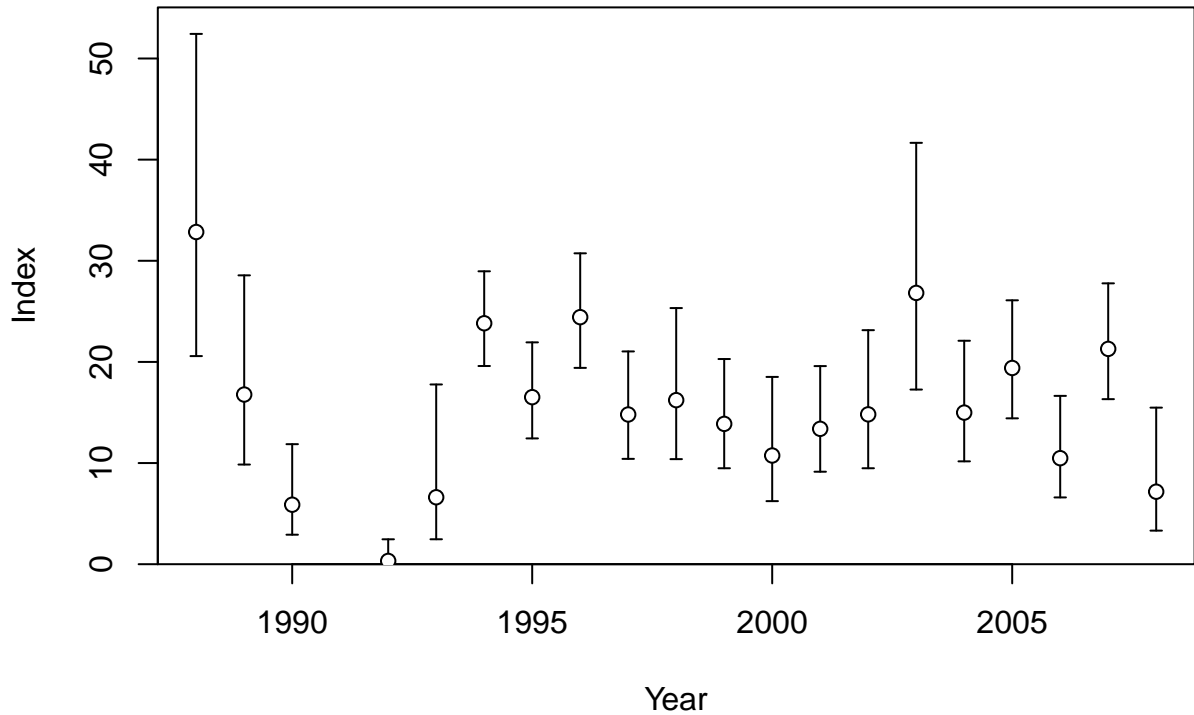


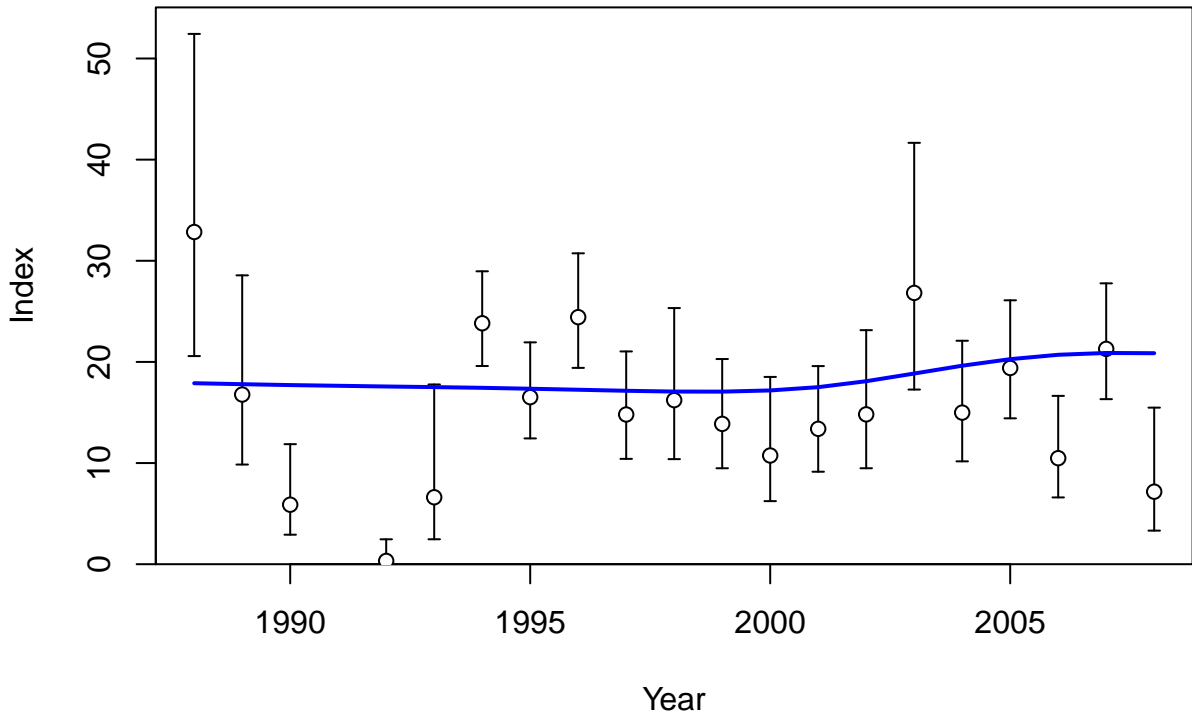
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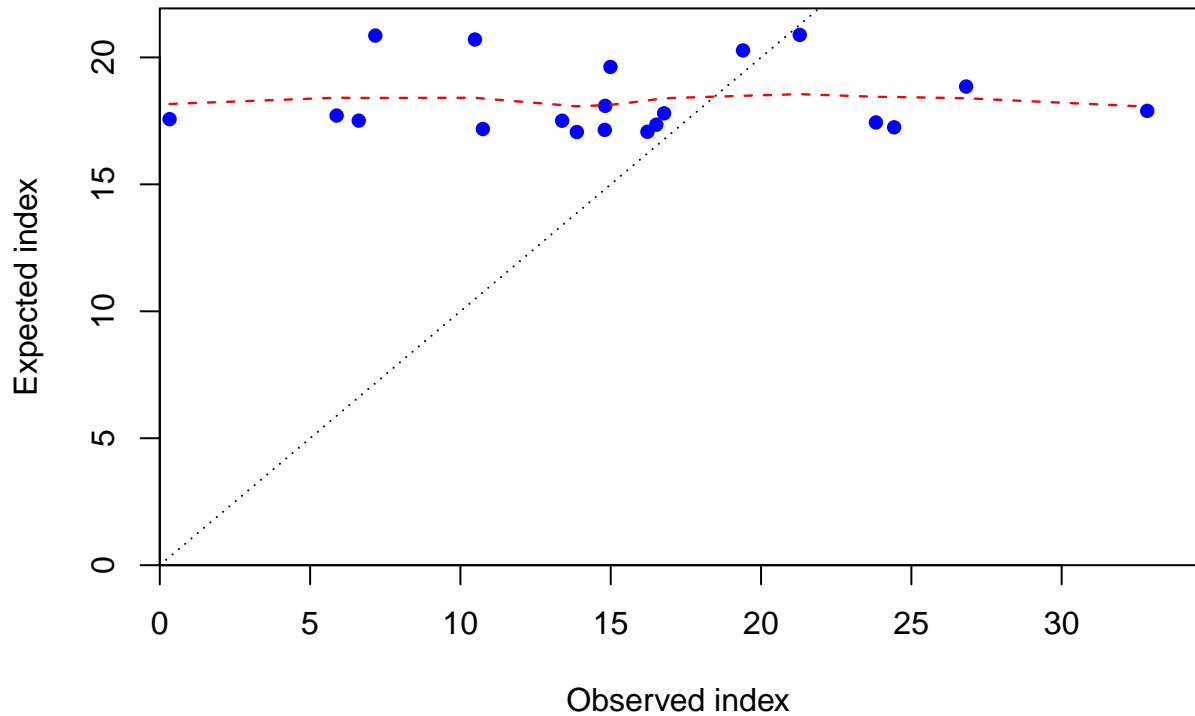


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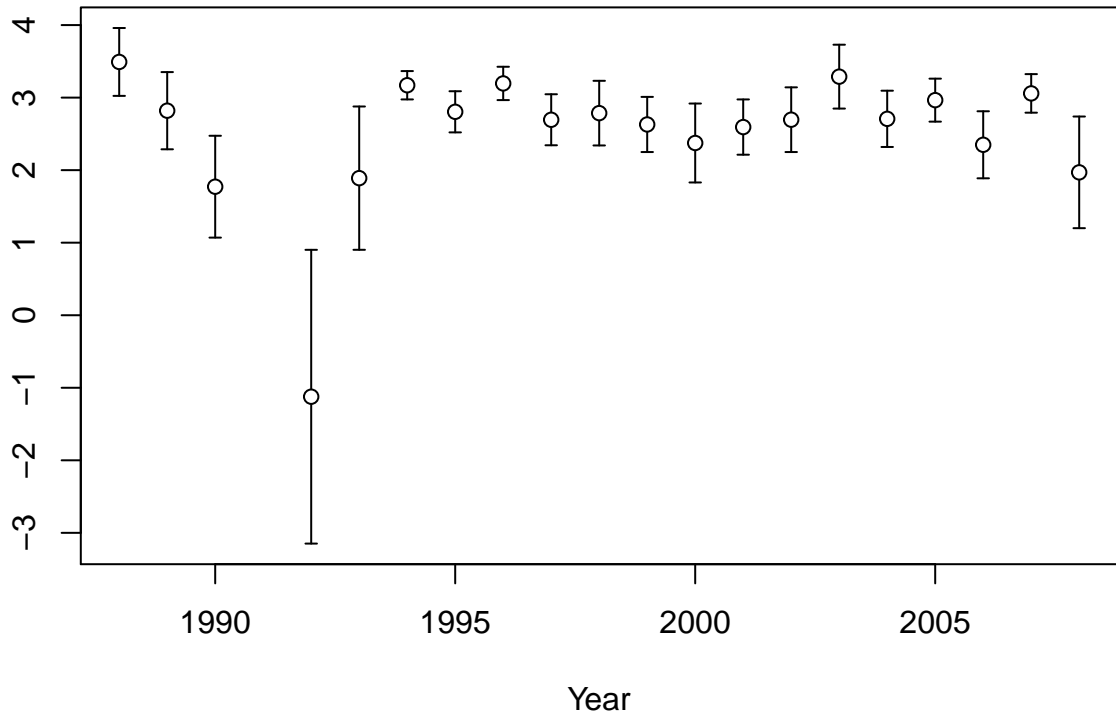


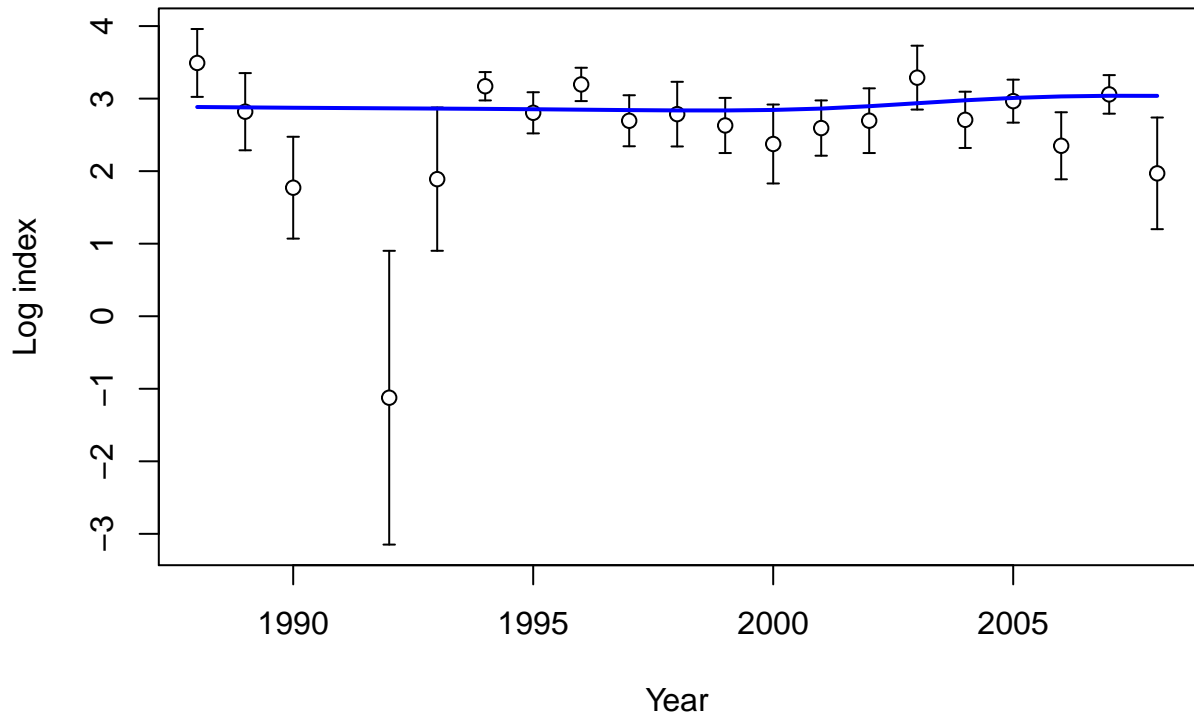


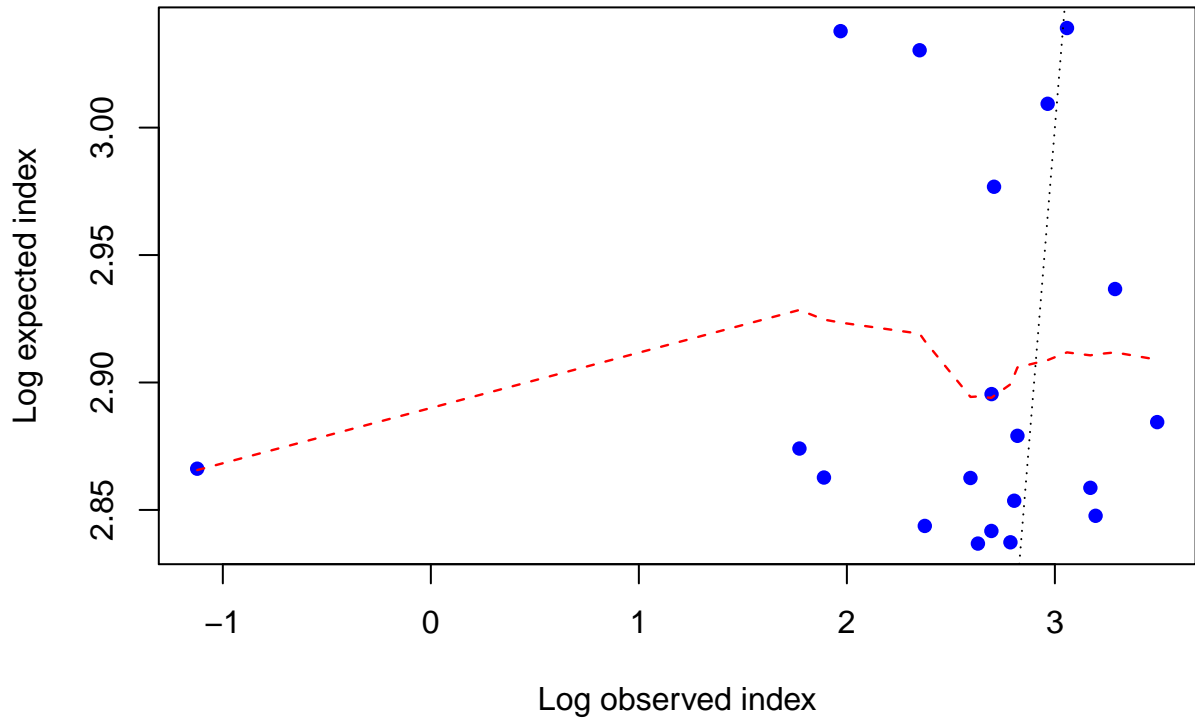




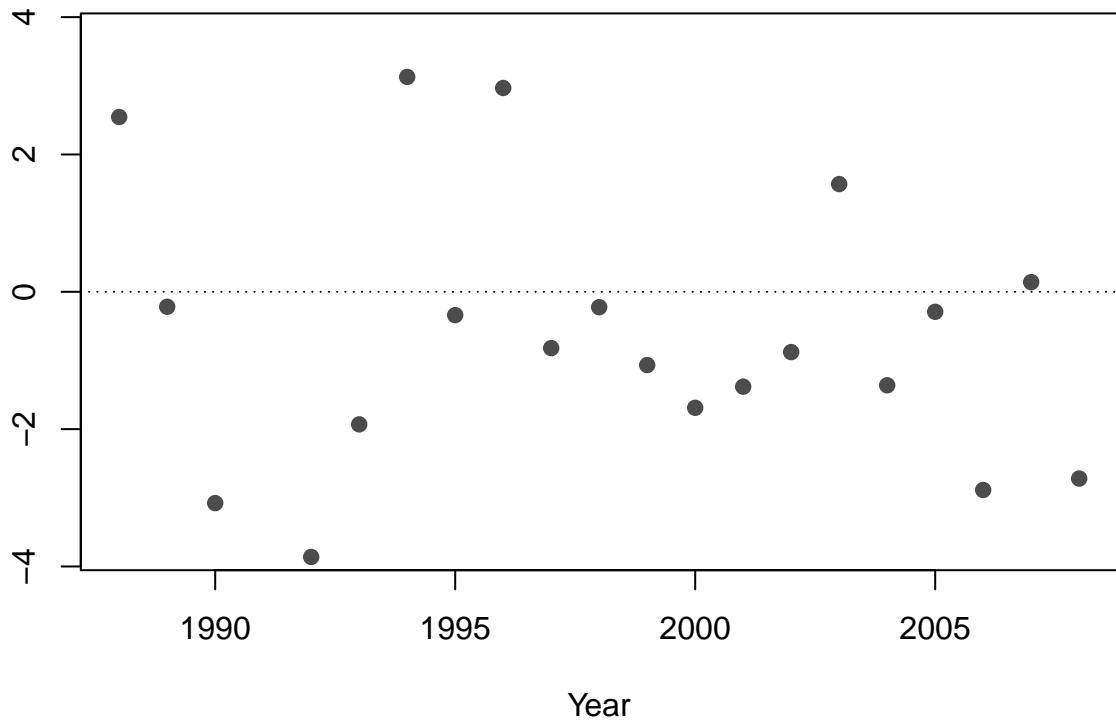
Log index



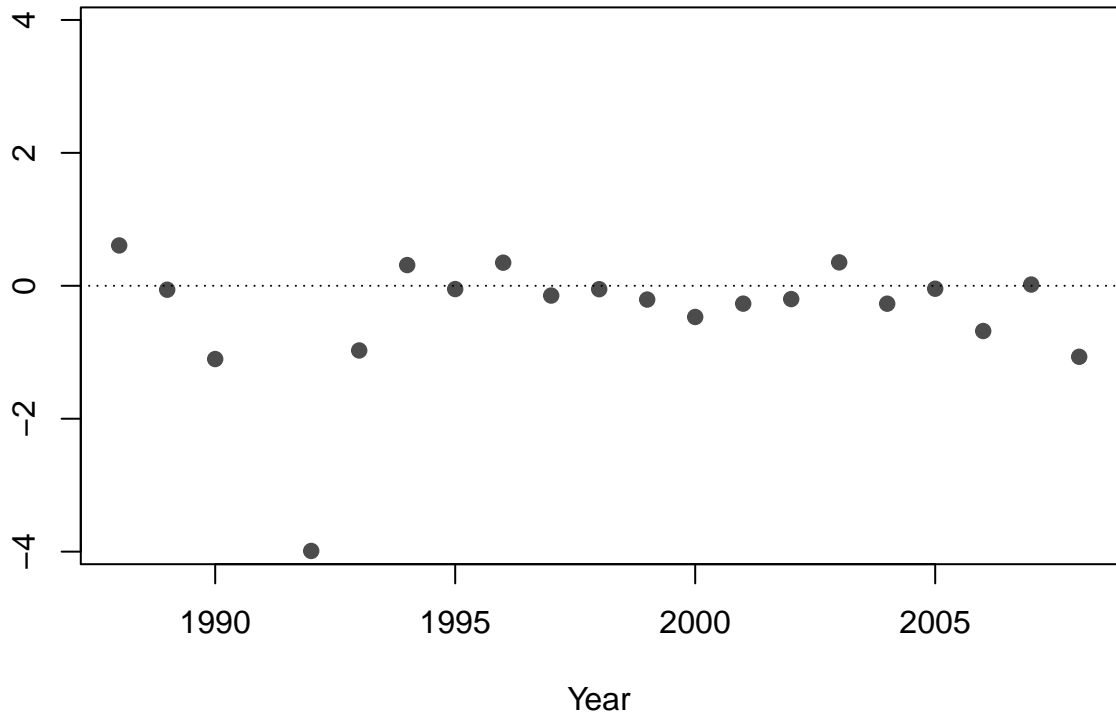


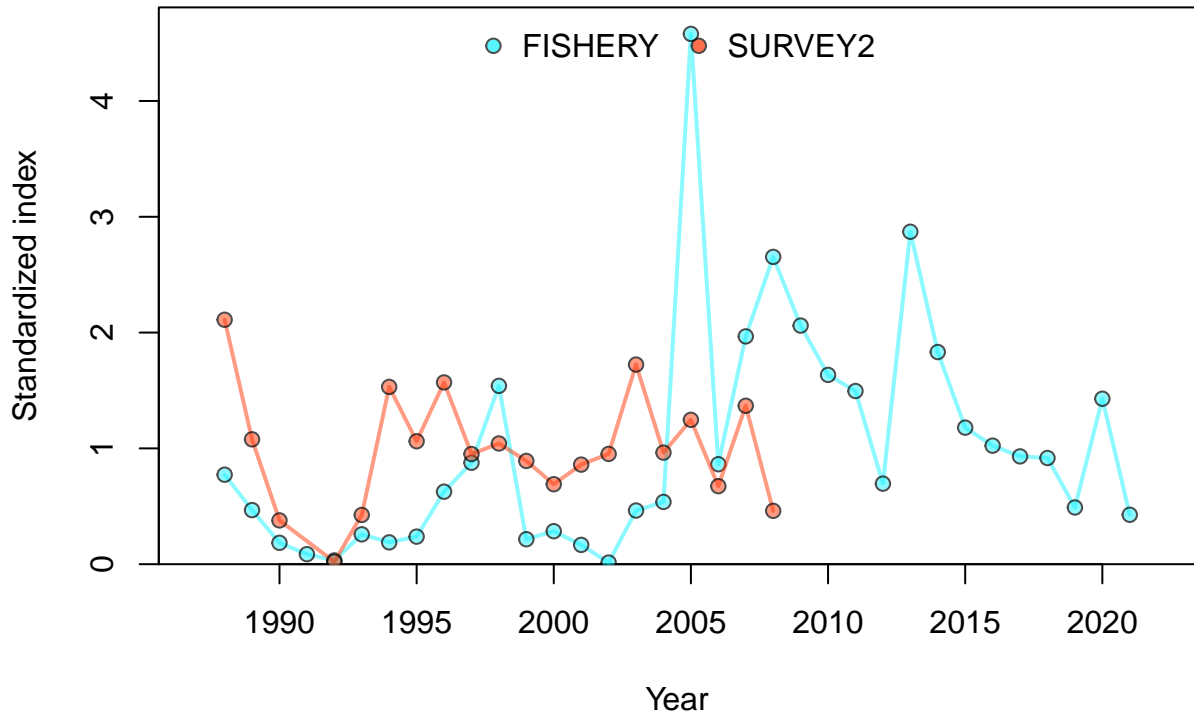


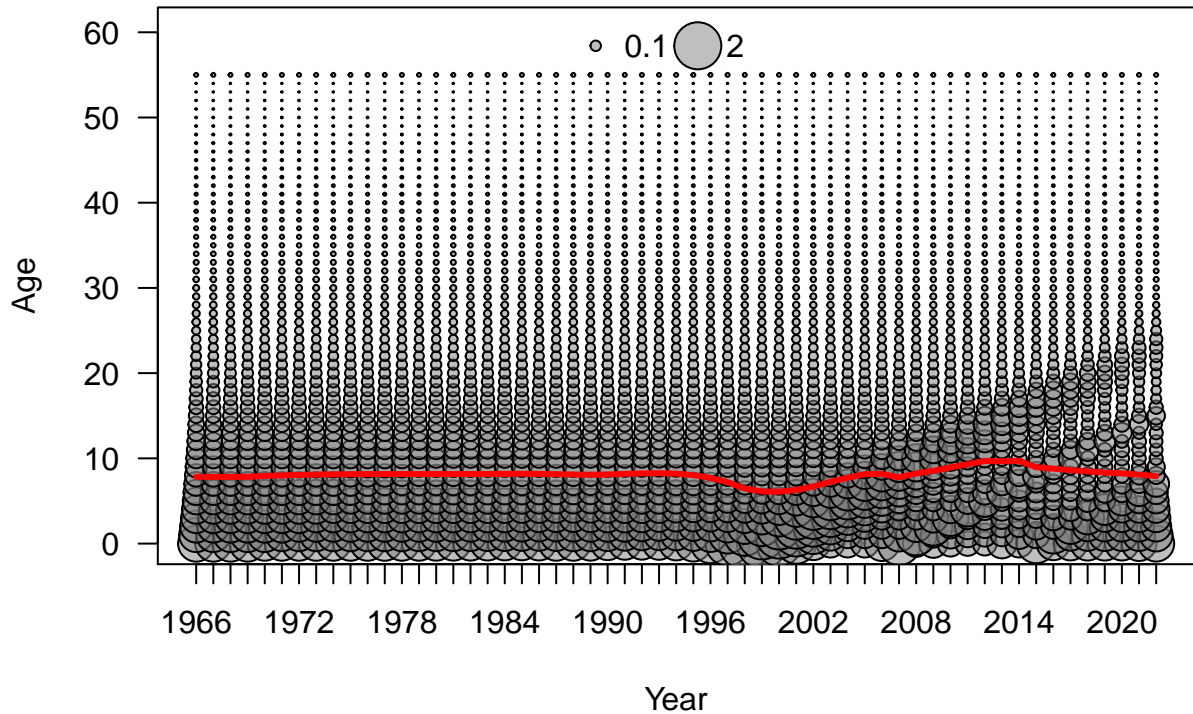
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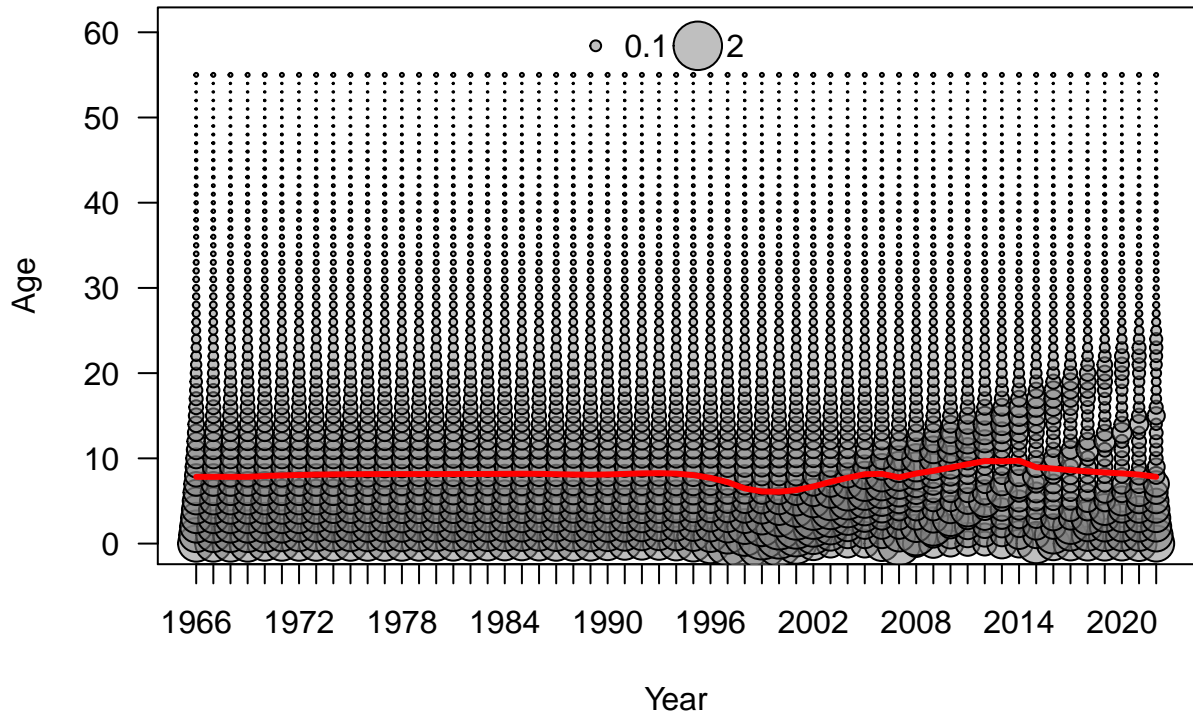


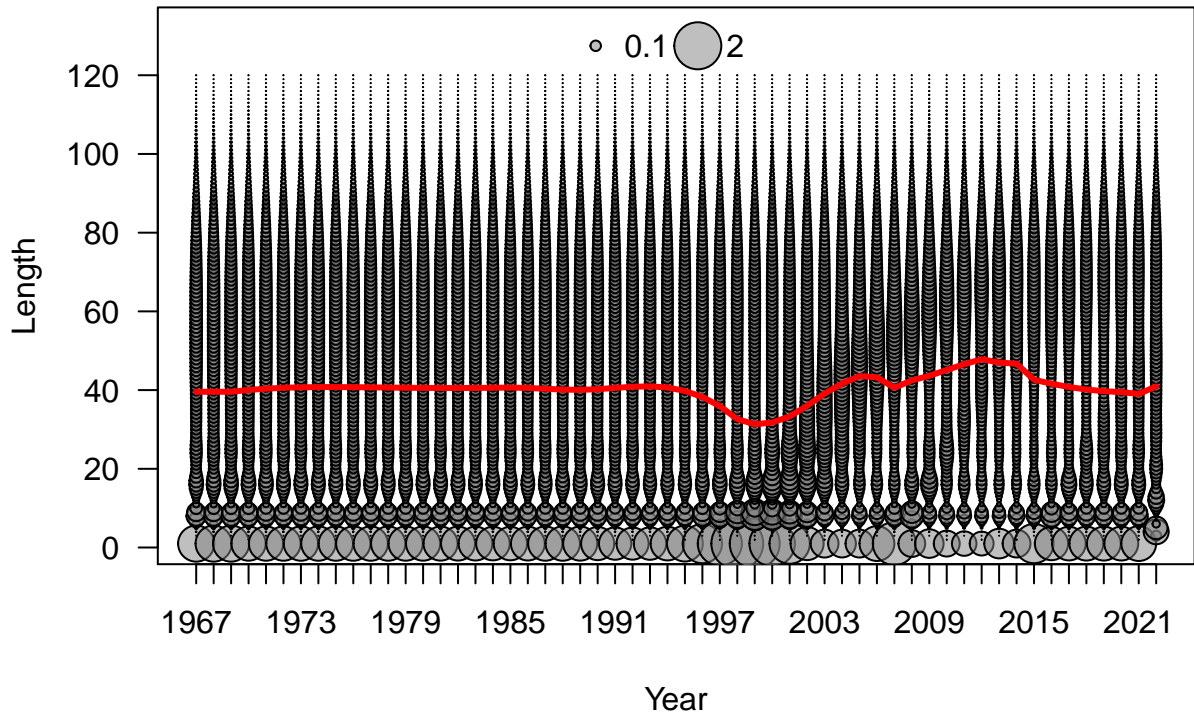
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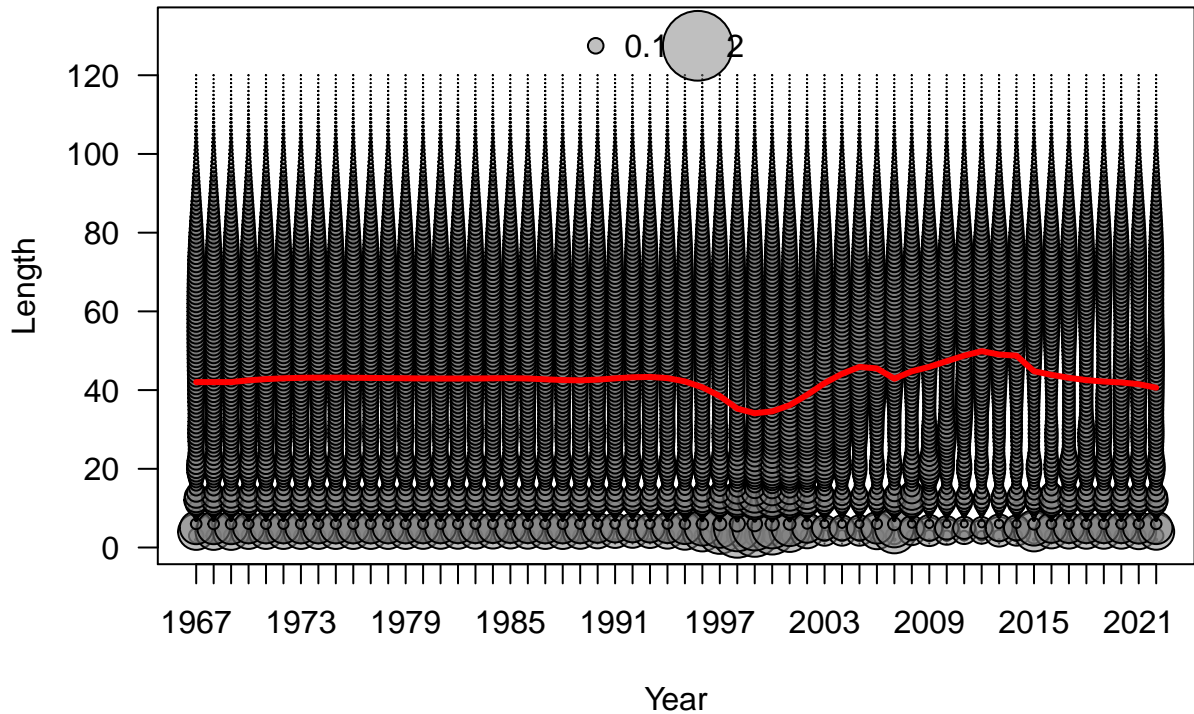


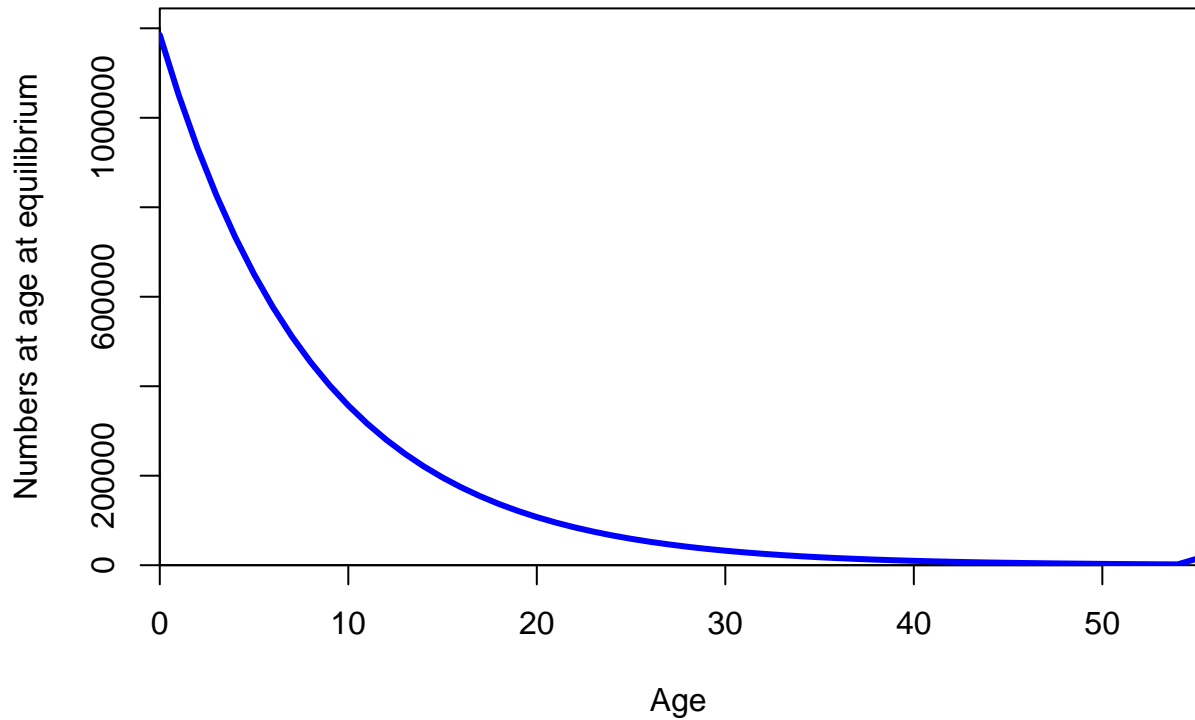






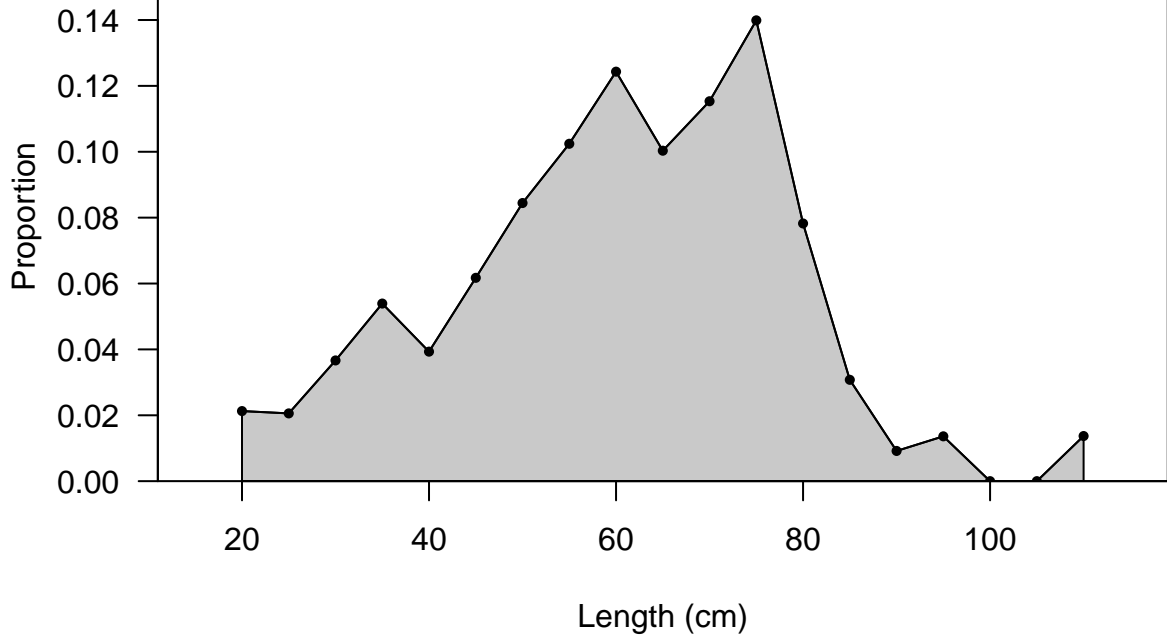






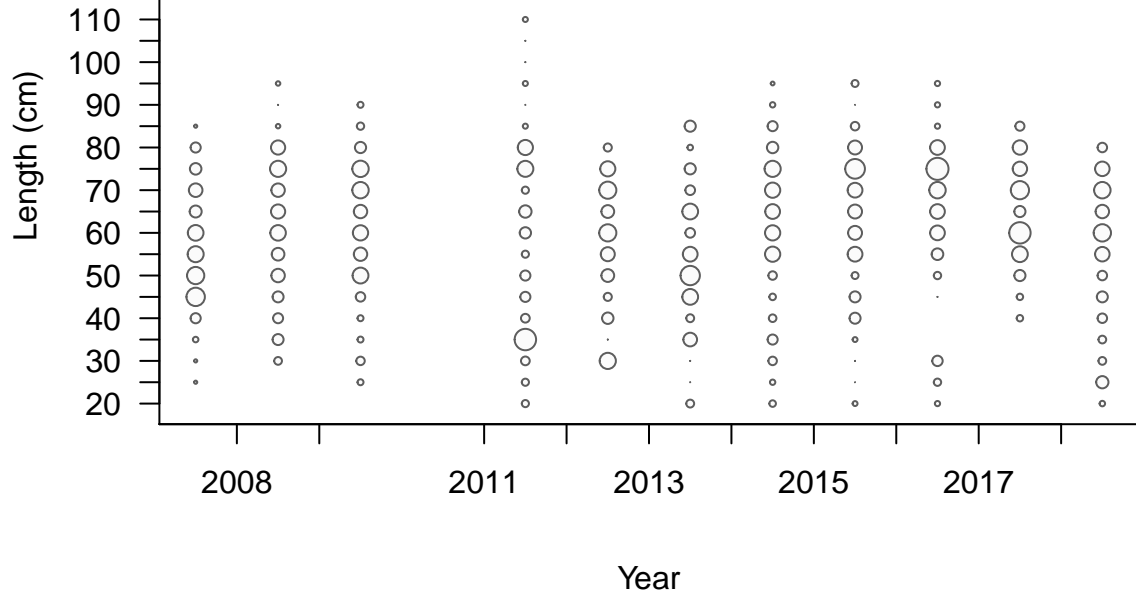
FISHERY

Sum of N adj.=712.5

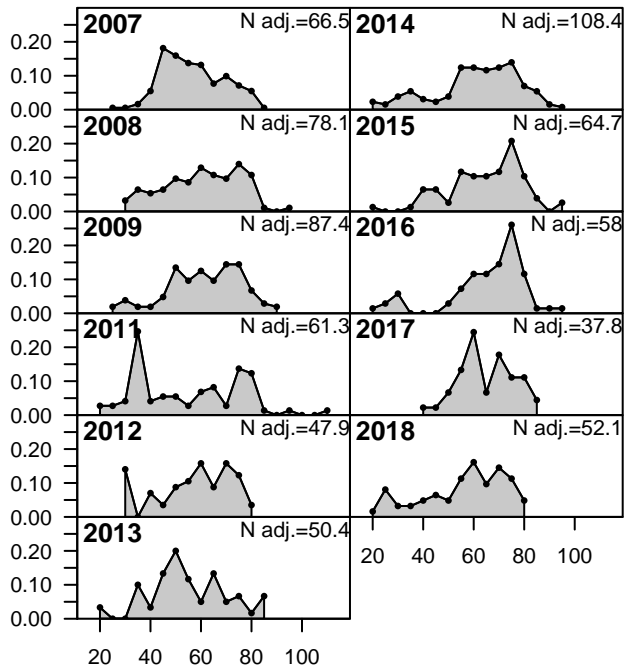


FISHERY

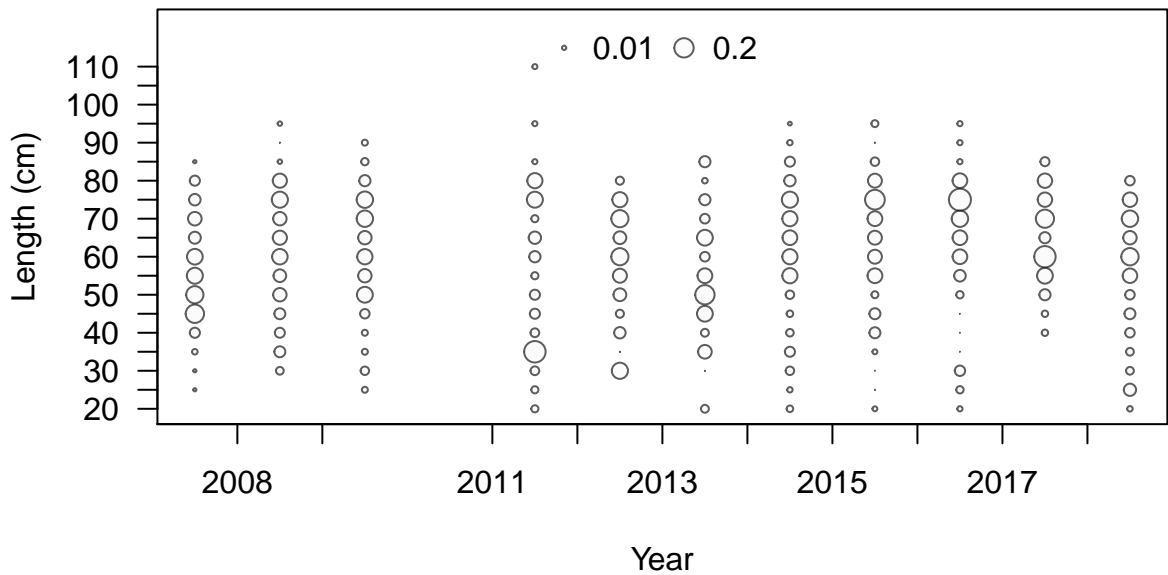
◦ 0.01 ○ 0.2



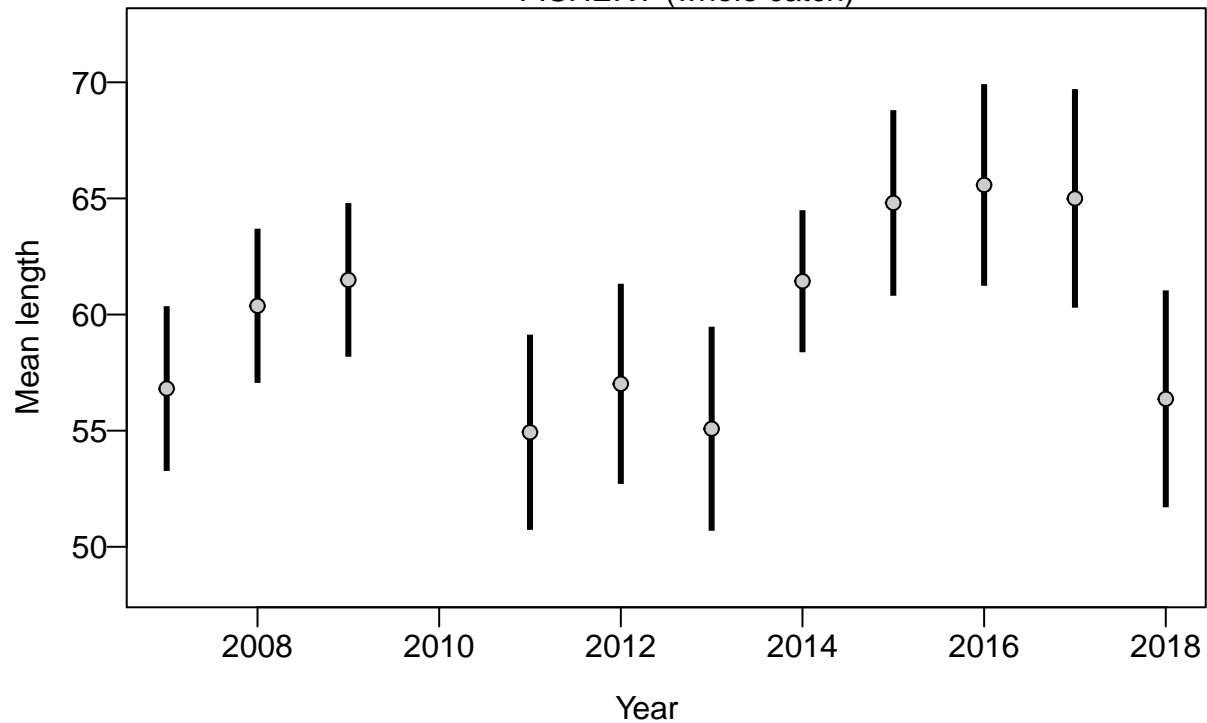
Proportion



Length (cm)

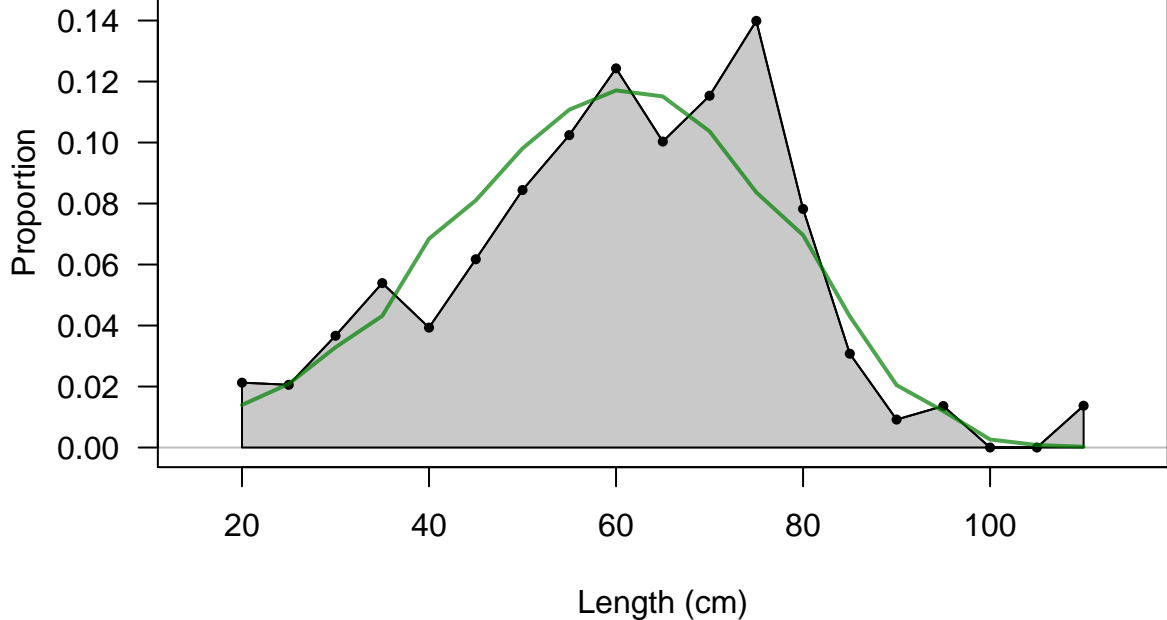


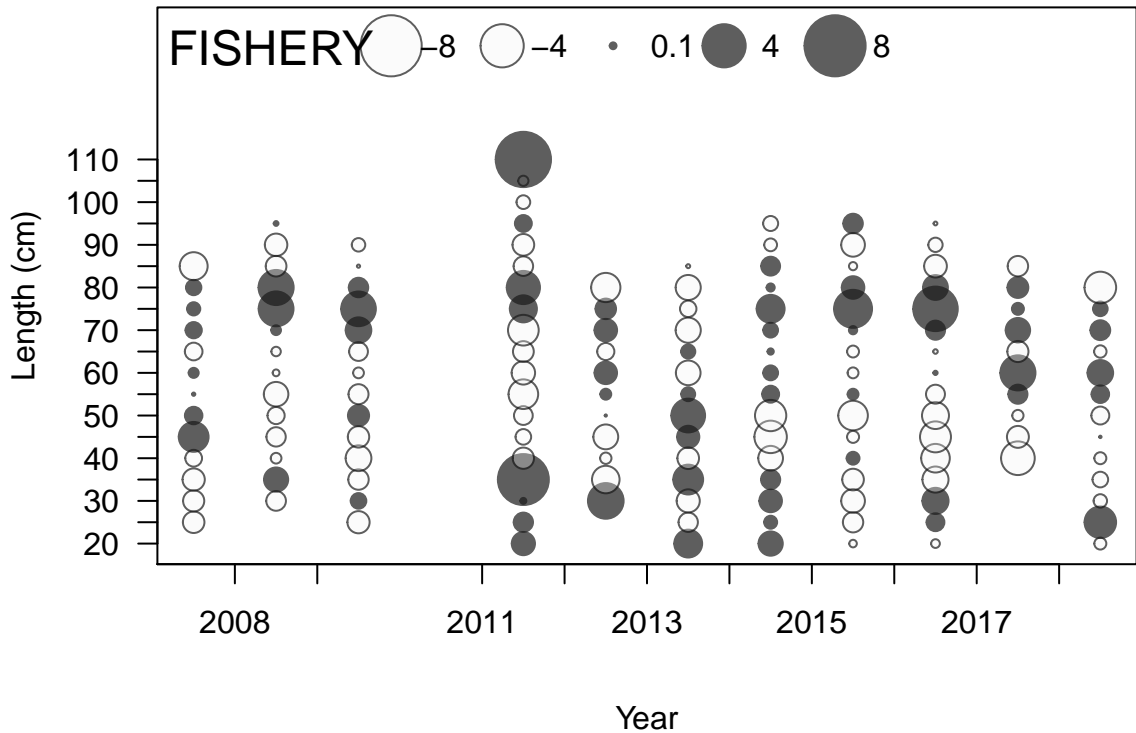
FISHERY (whole catch)



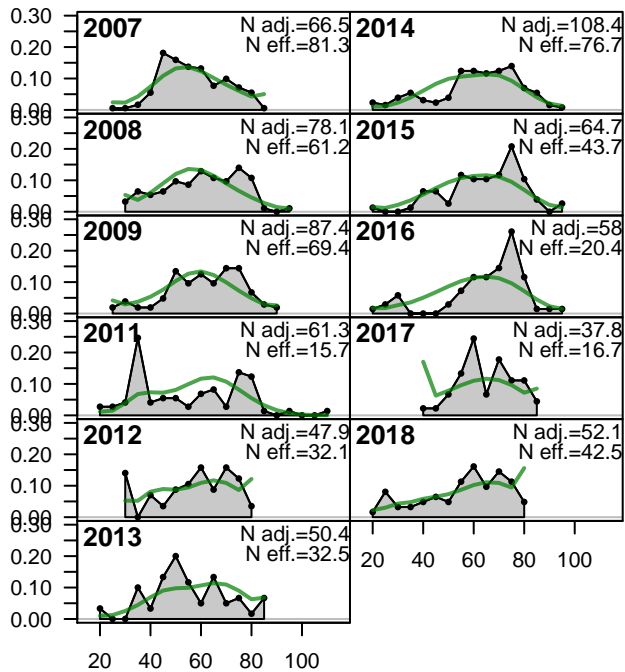
FISHERY

Sum of N adj.=712.5
Sum of N eff.=492.2

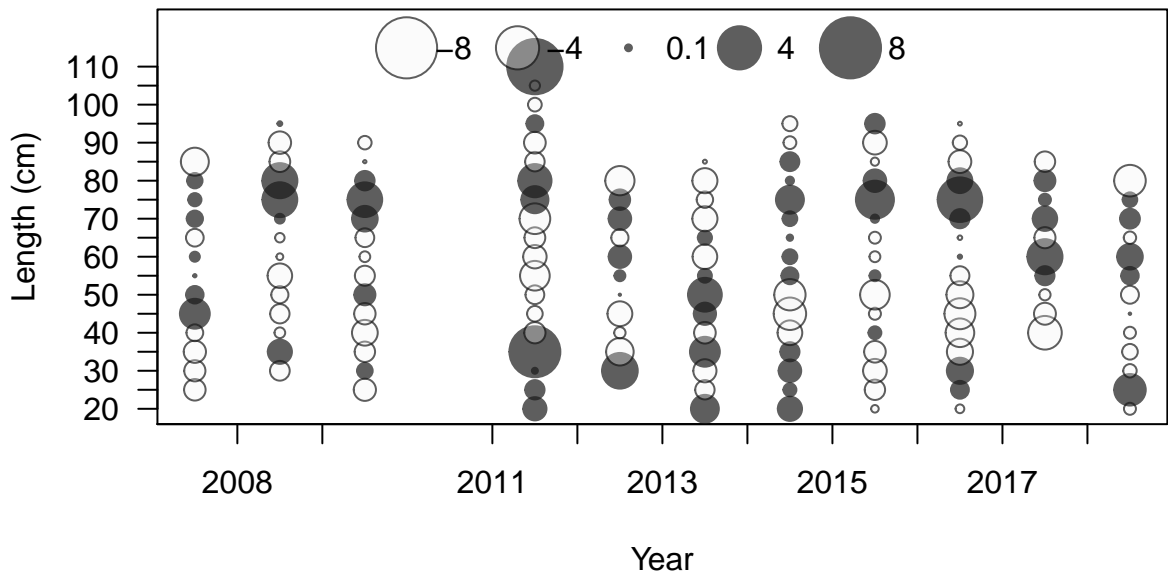




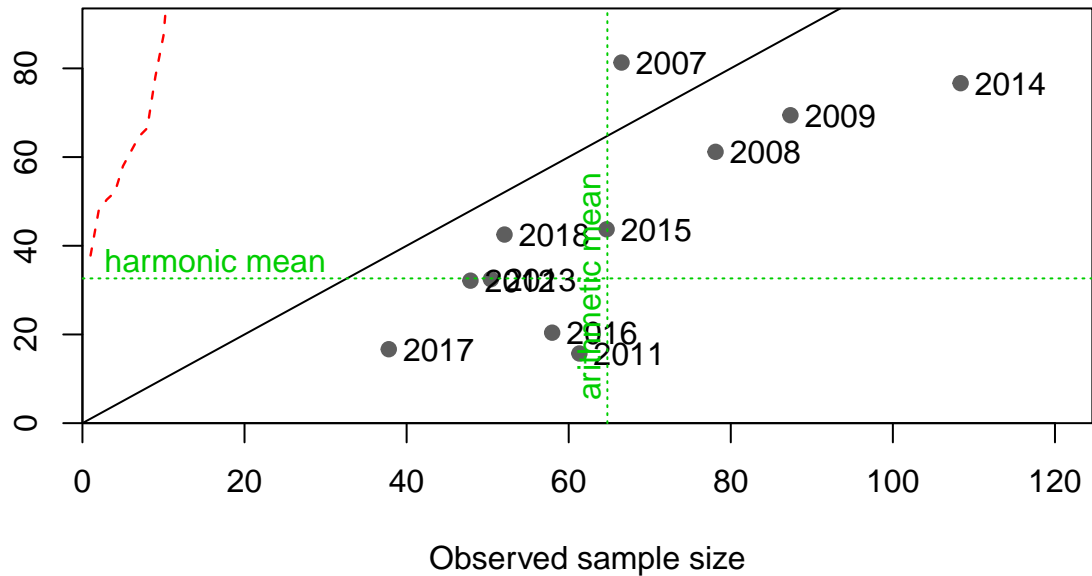
Proportion



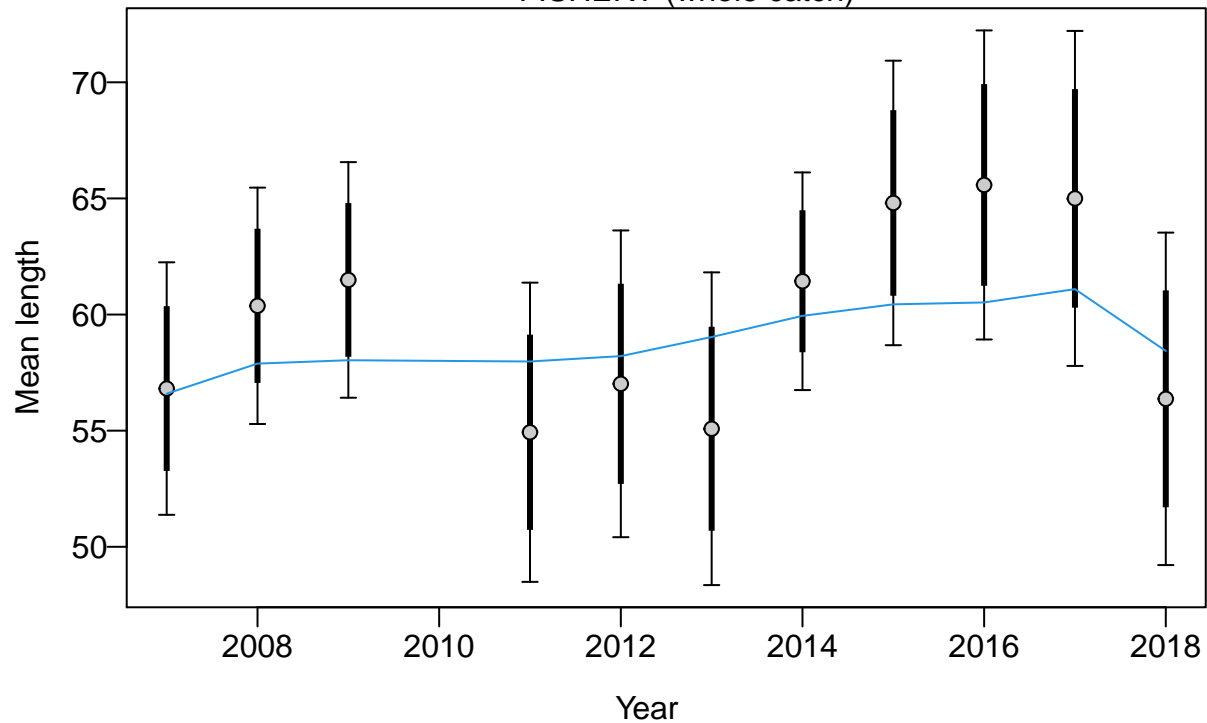
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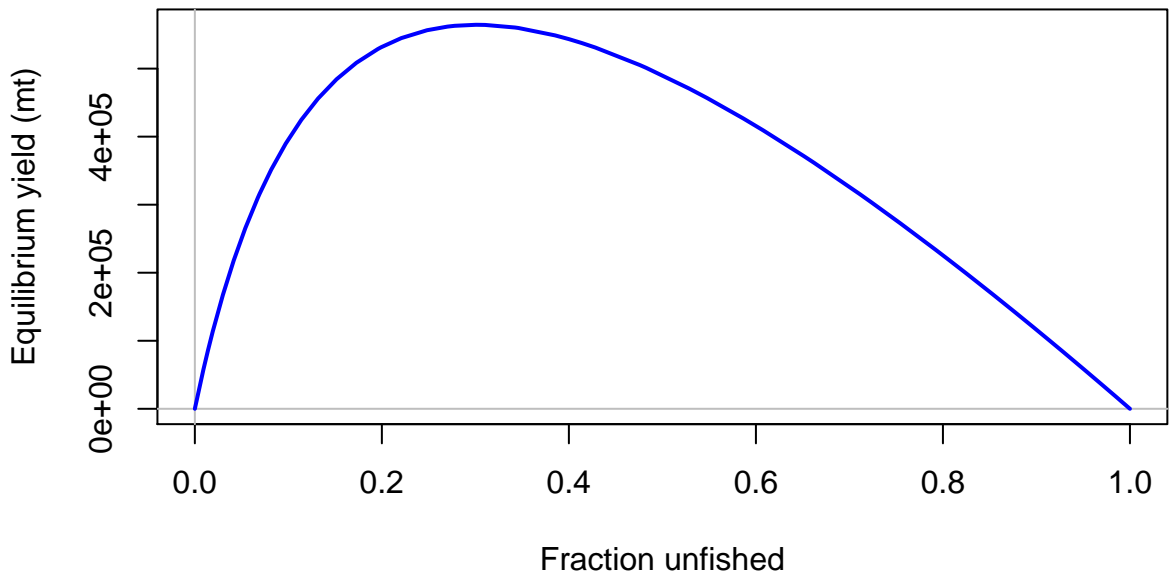


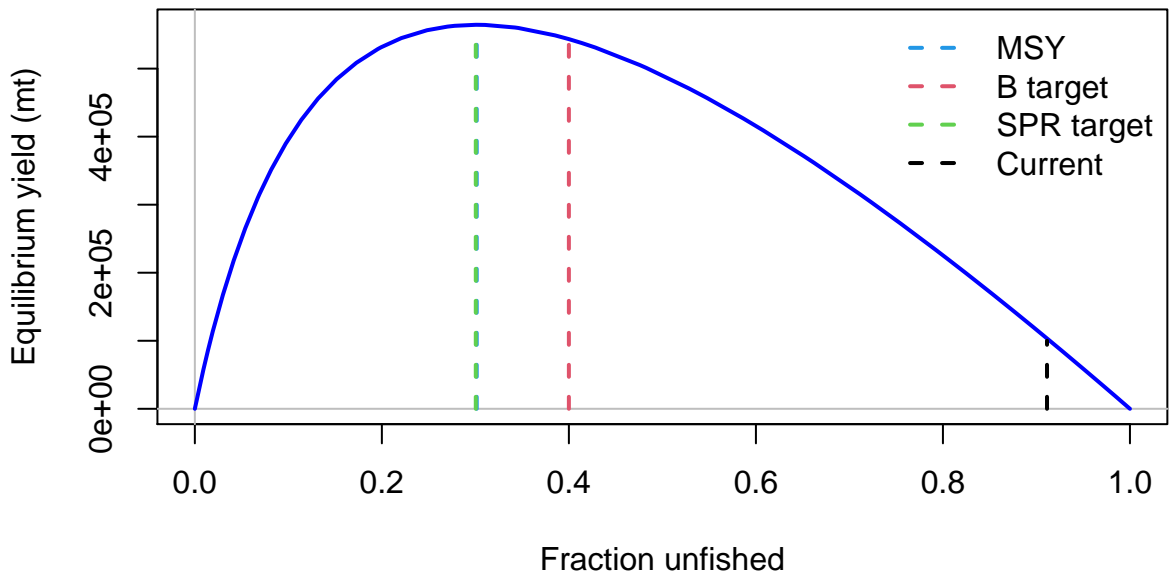
Effective sample size

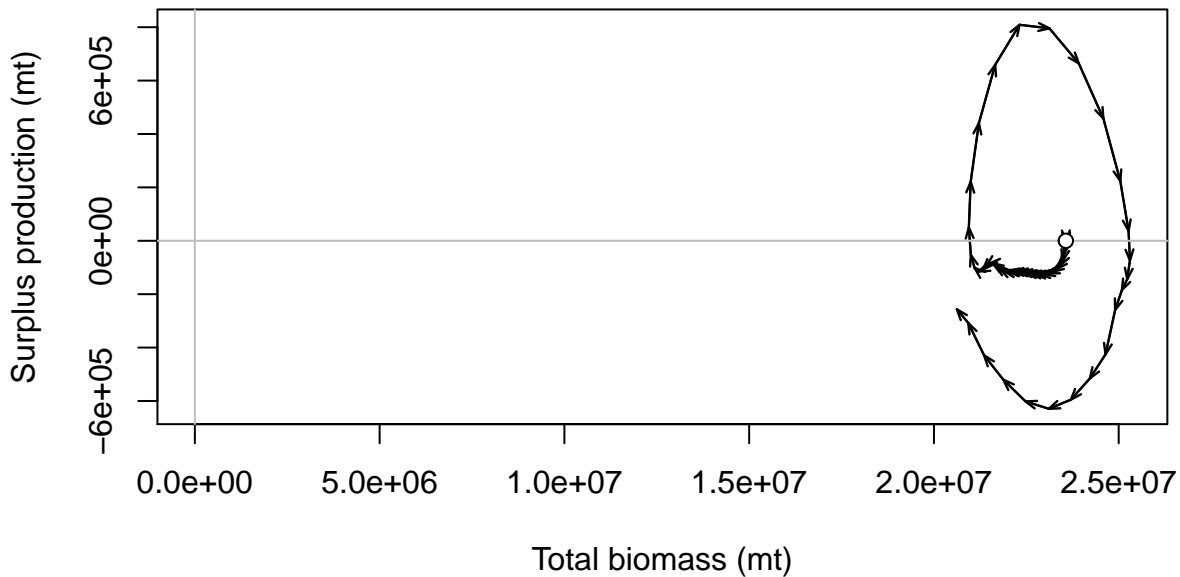


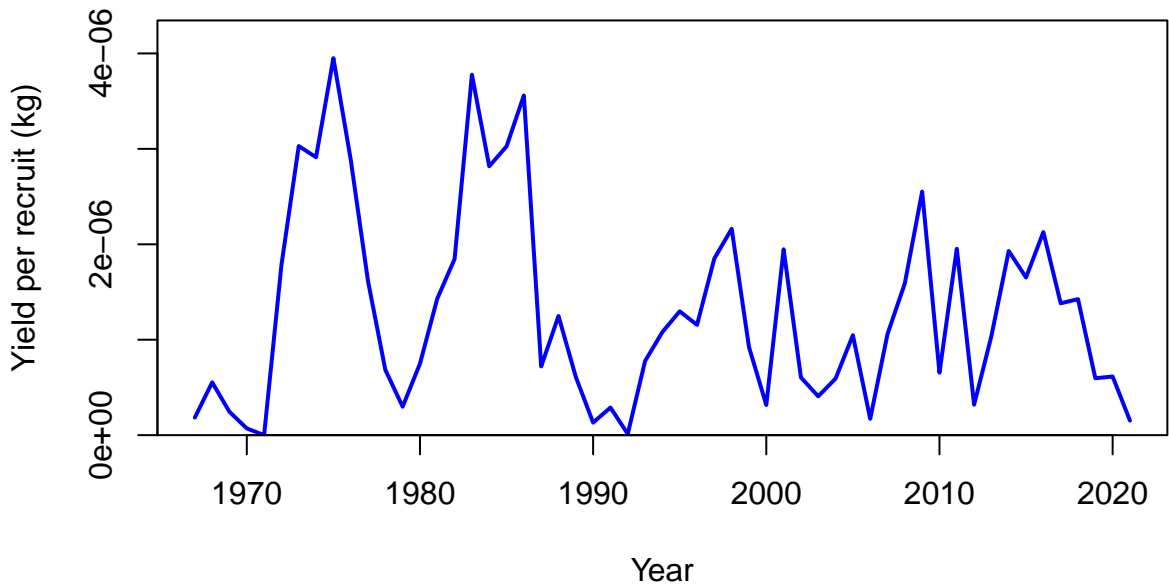
FISHERY (whole catch)

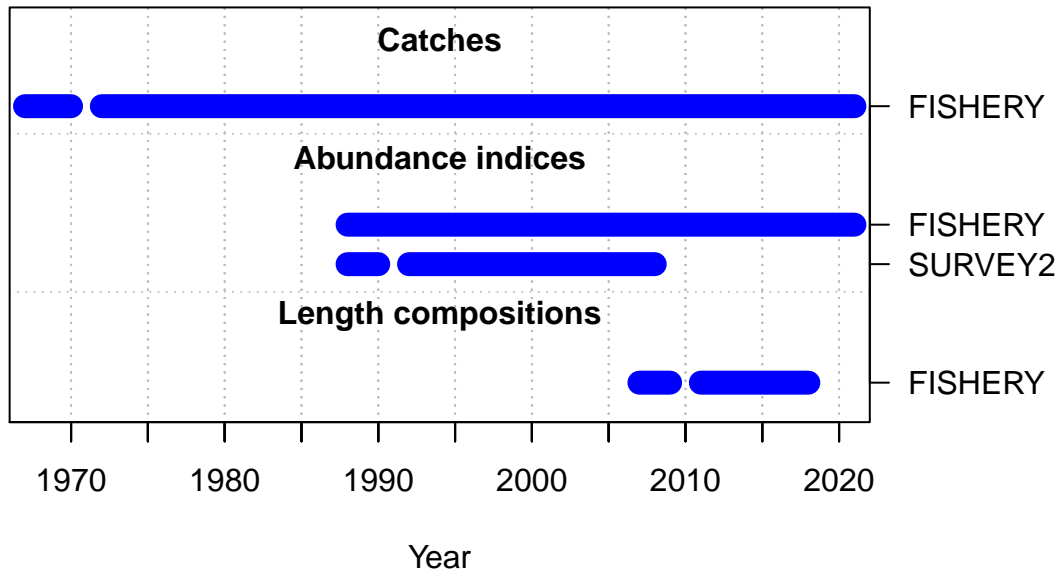


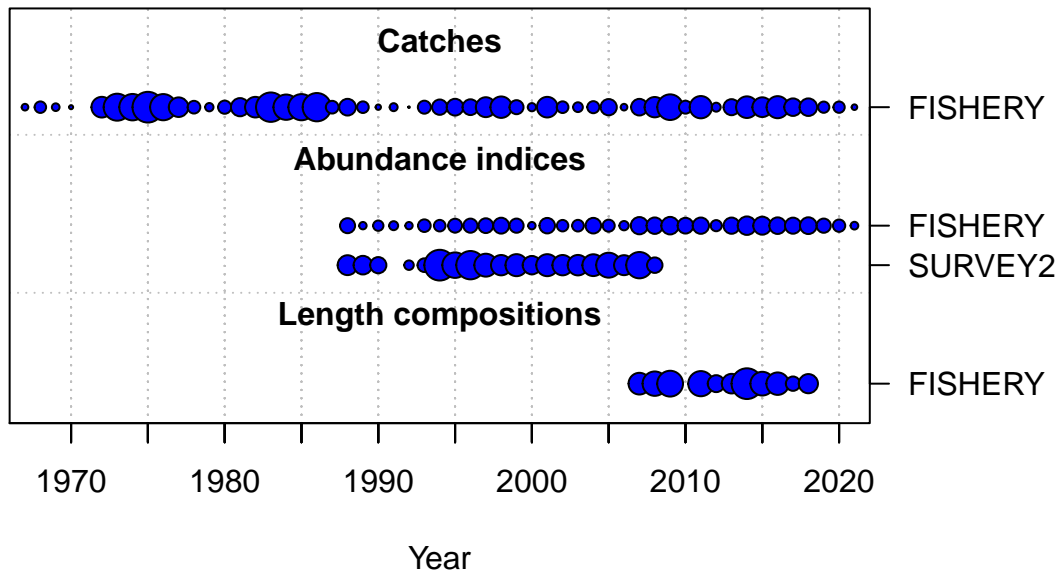






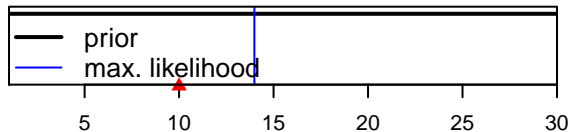




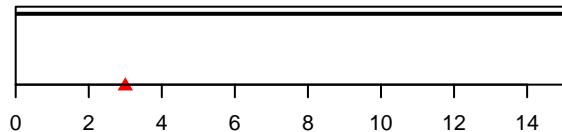


Density

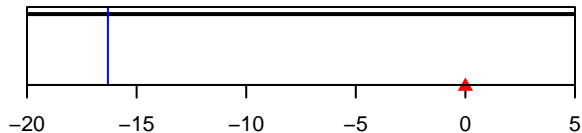
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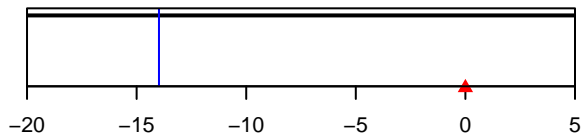
Size_95%width_FISHERY(1)



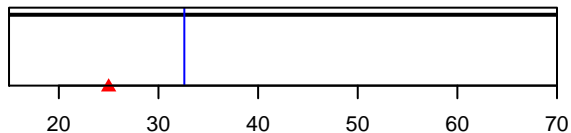
LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Size_inflection_FISHERY(1)



Parameter value