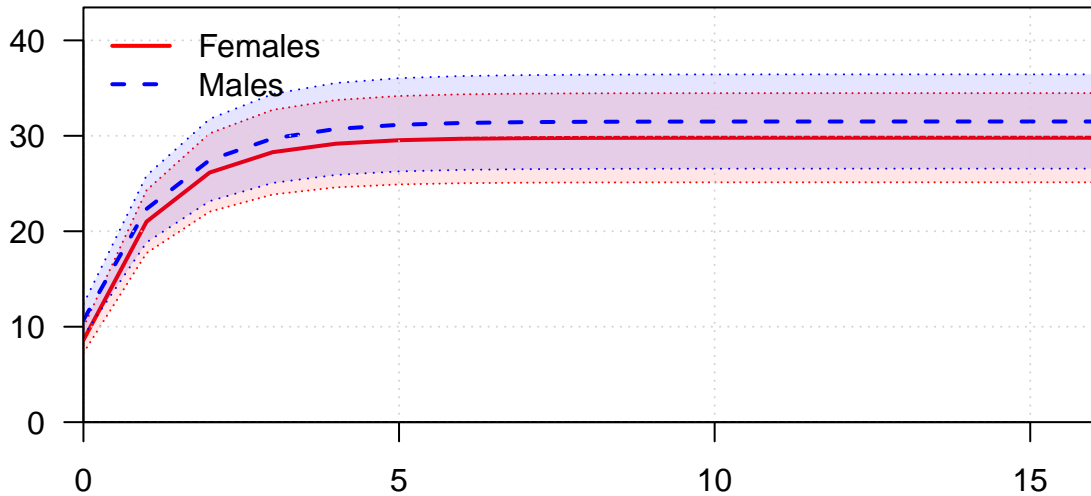
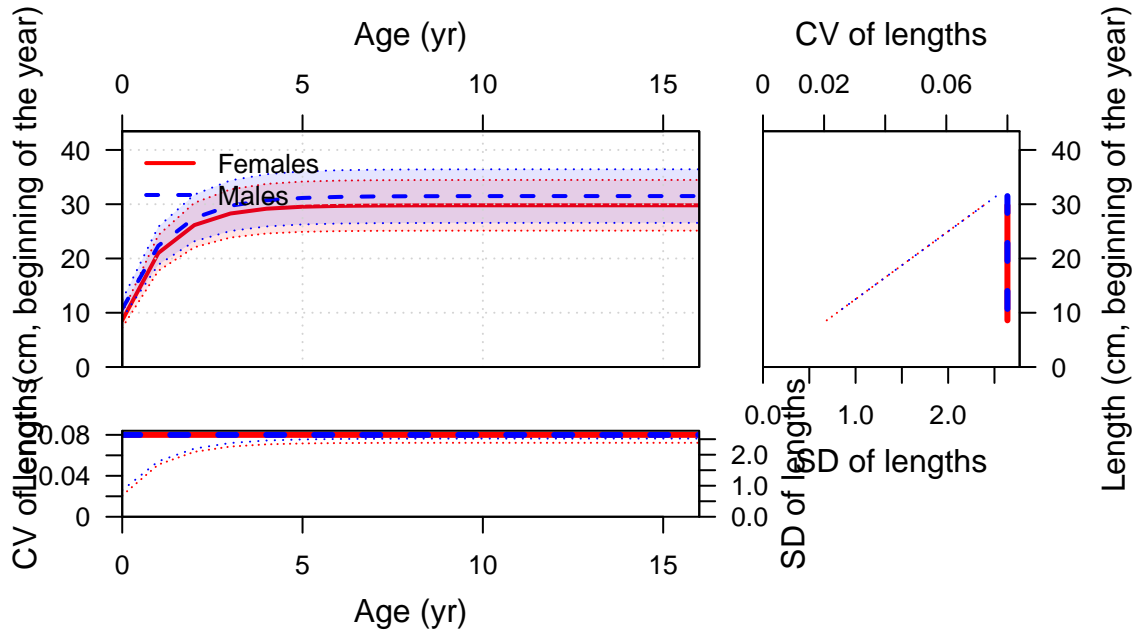


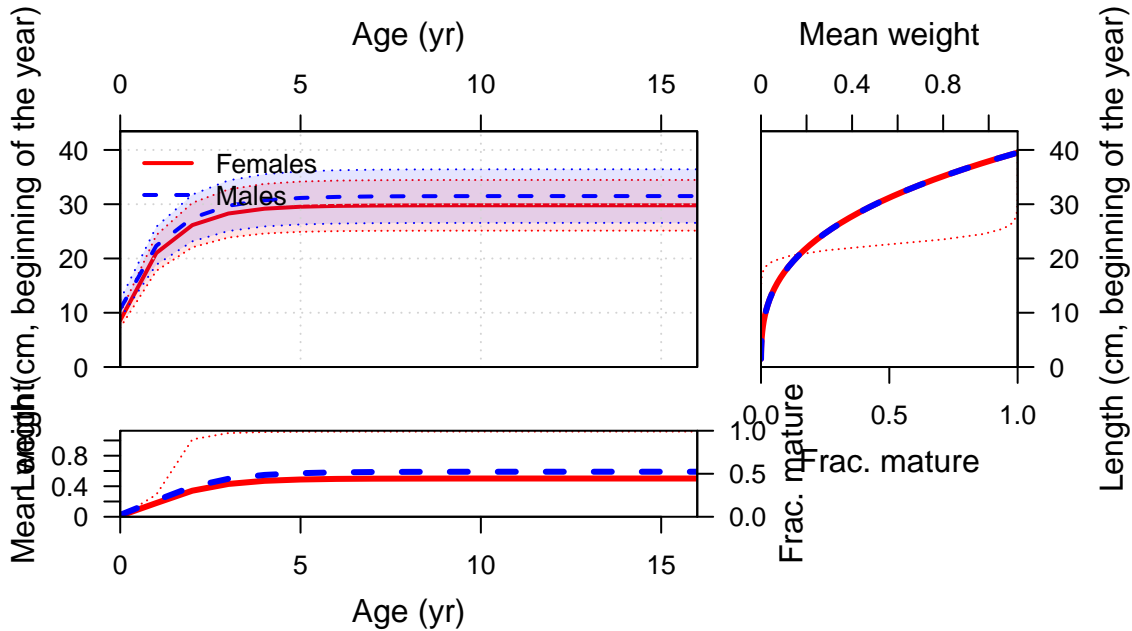
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Wed Jul 20 15:56:48 2022  
Data\_File: data.ss  
Control\_File: control.ss

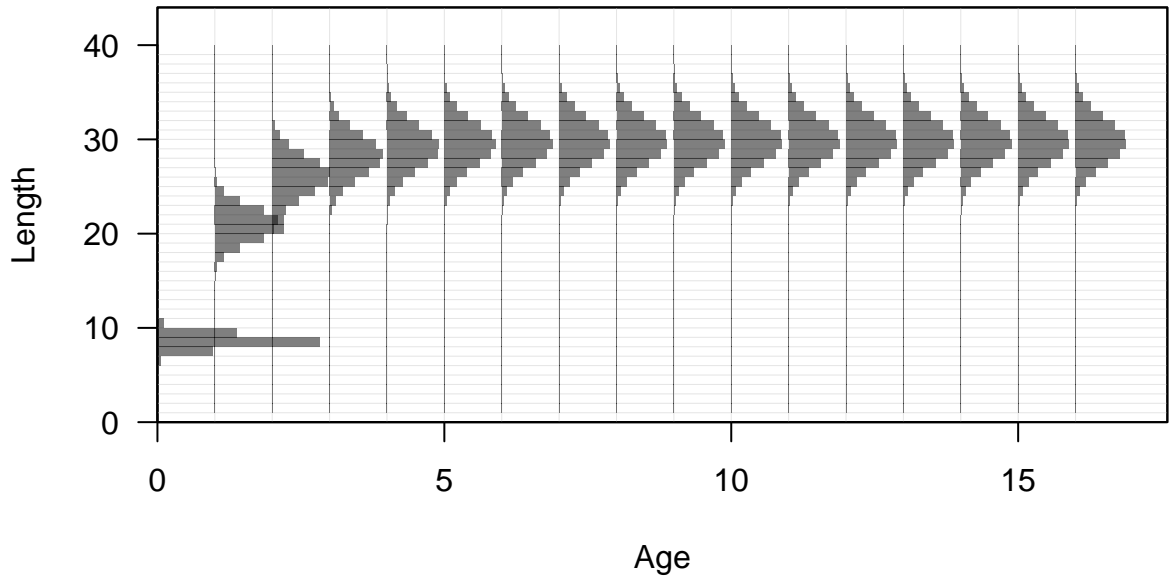
Length (cm, beginning of the year)

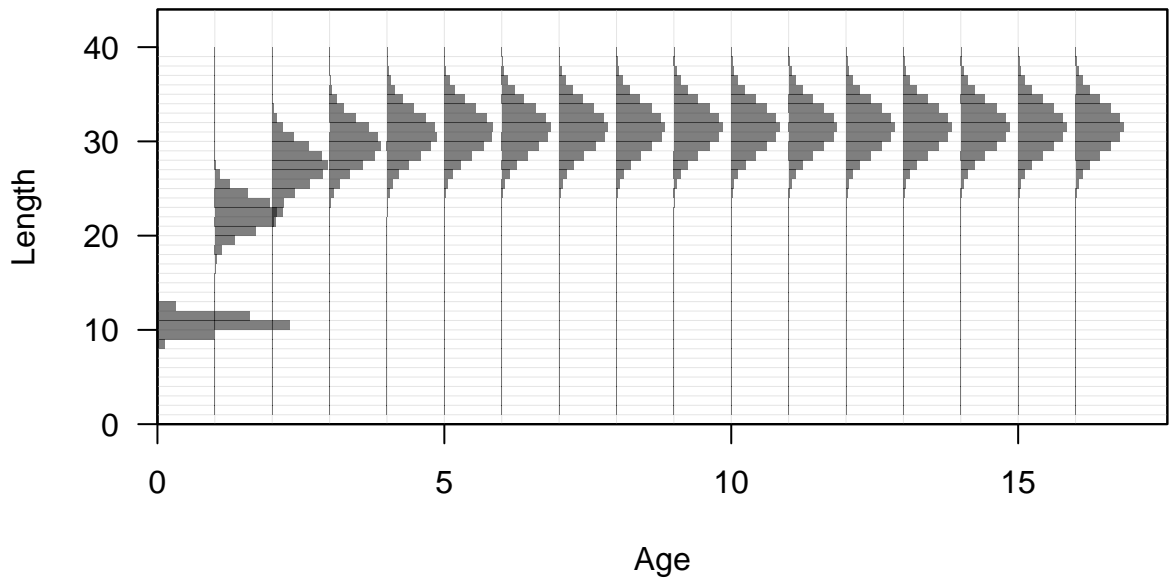


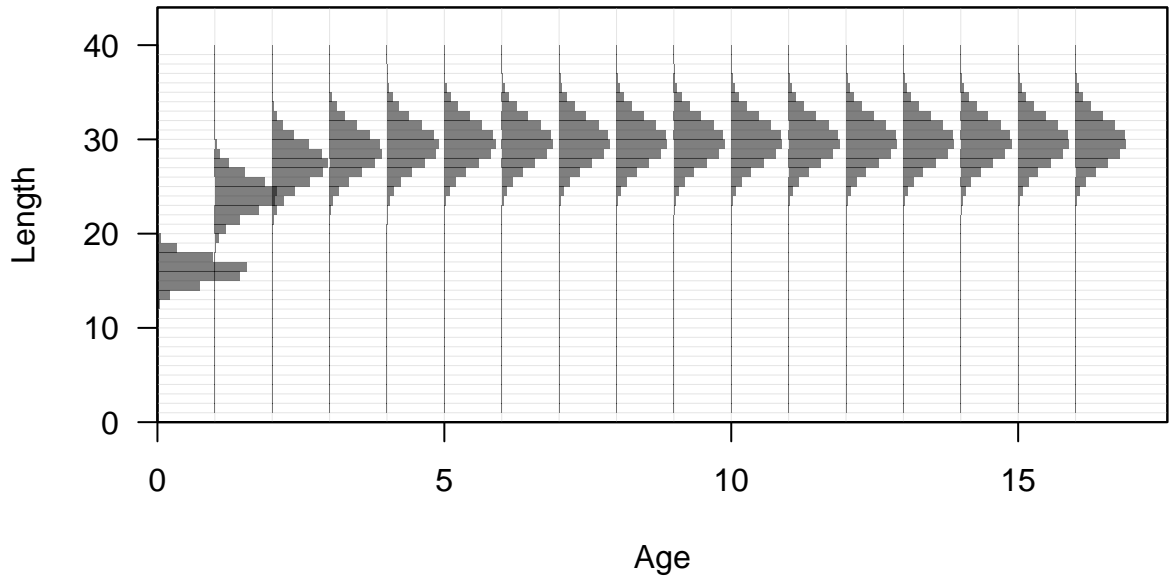
Age (yr)

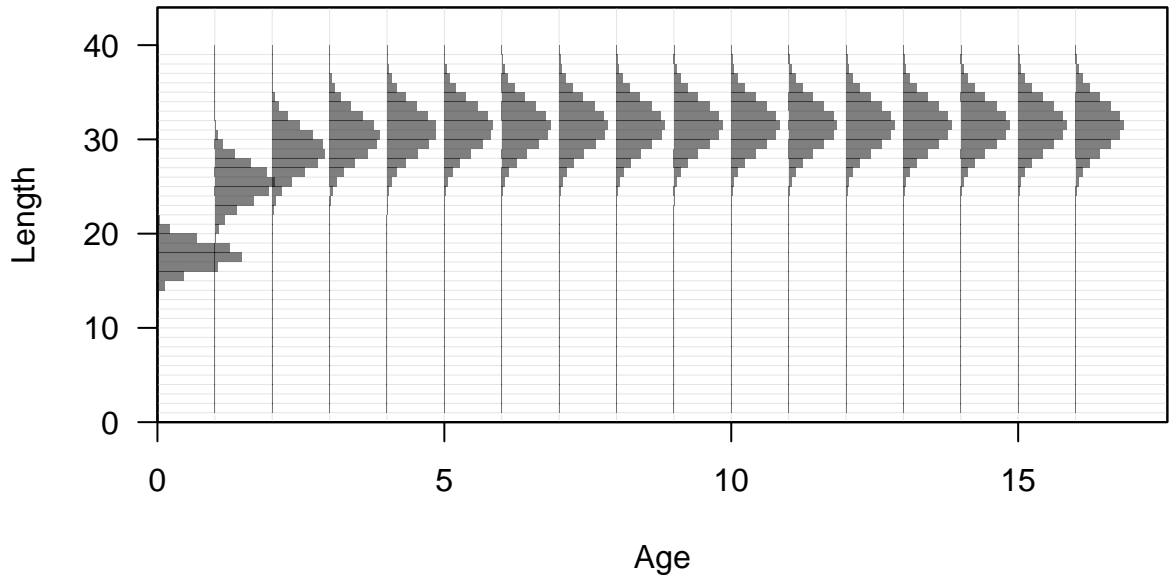




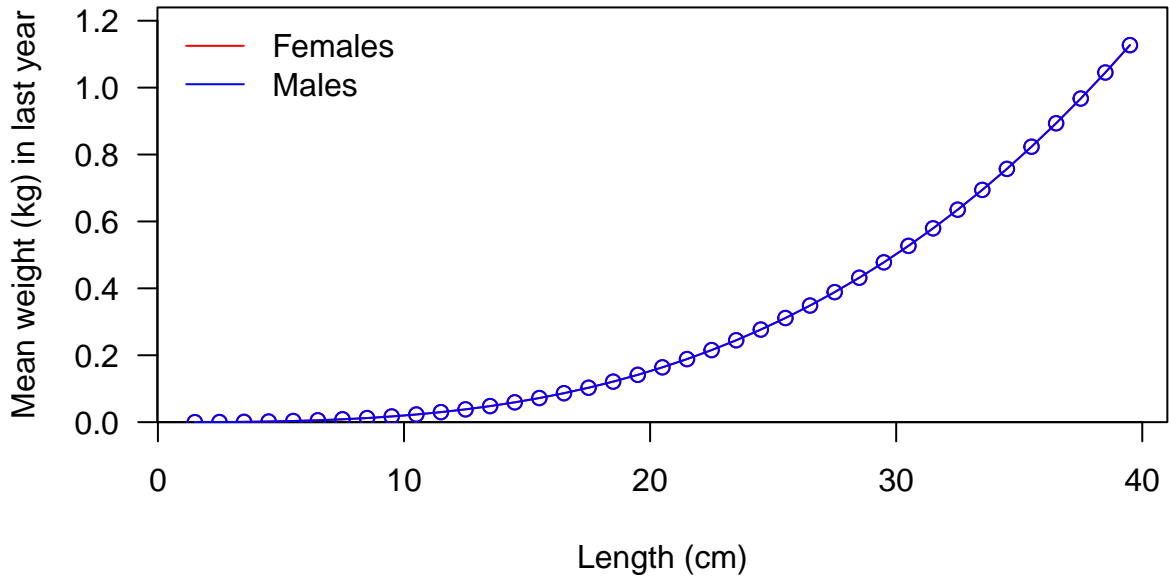


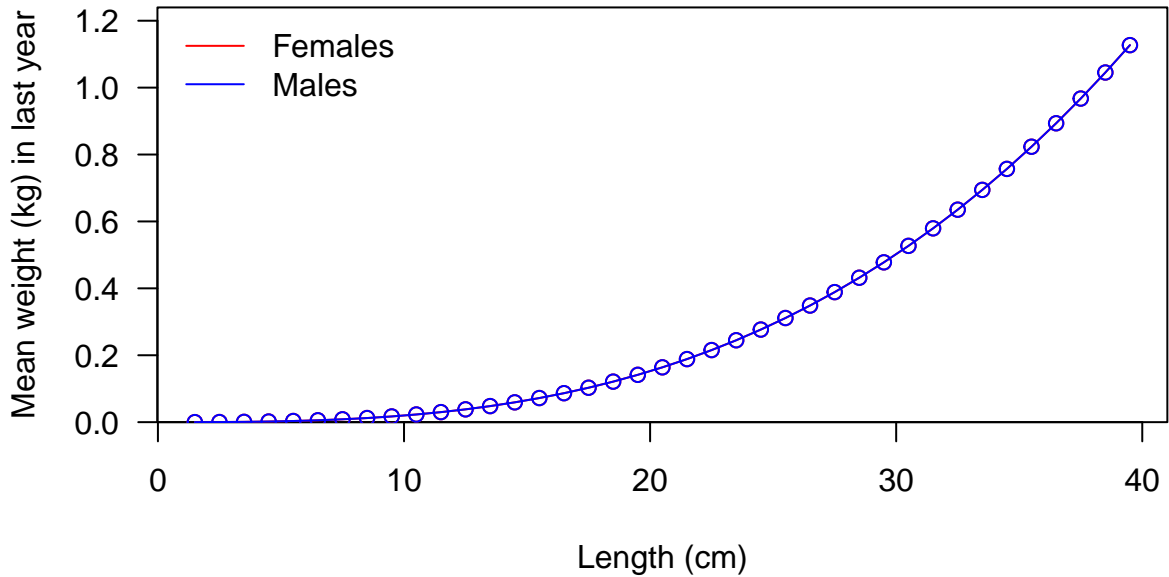


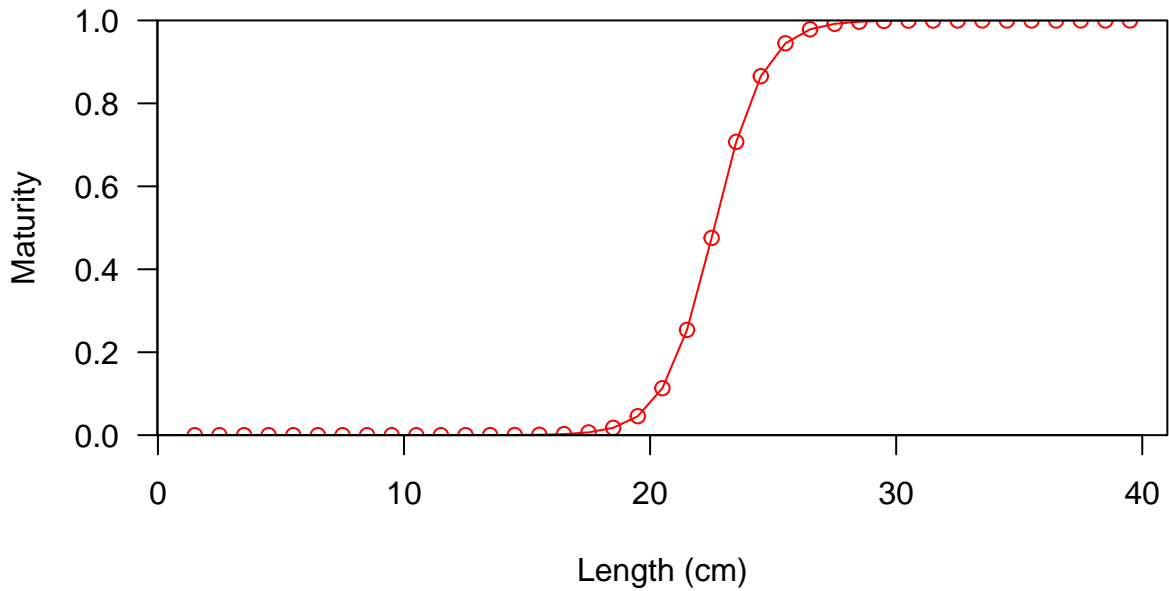


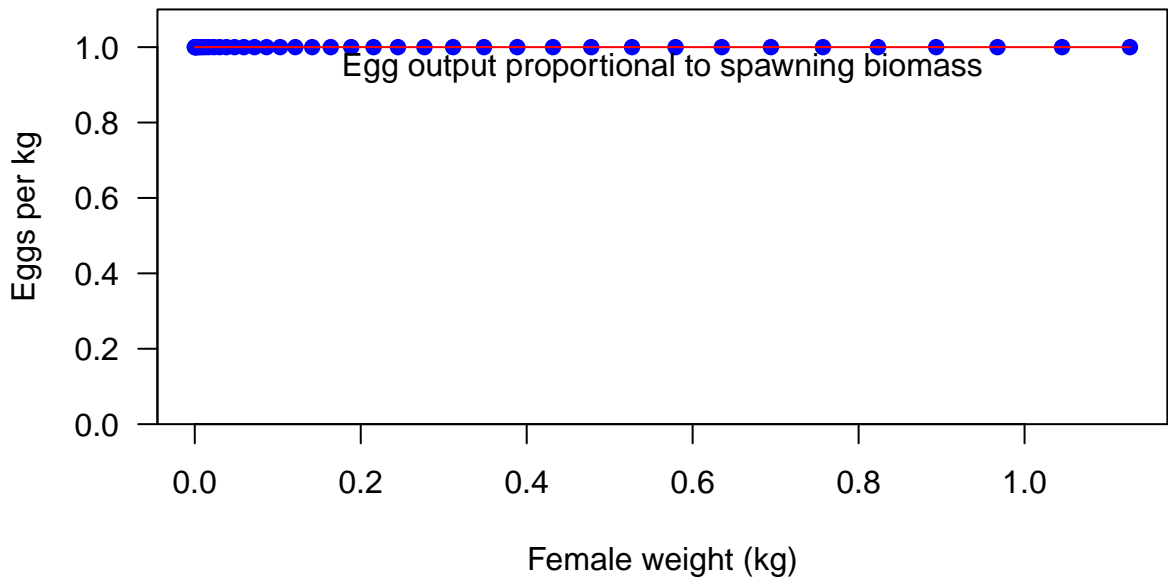


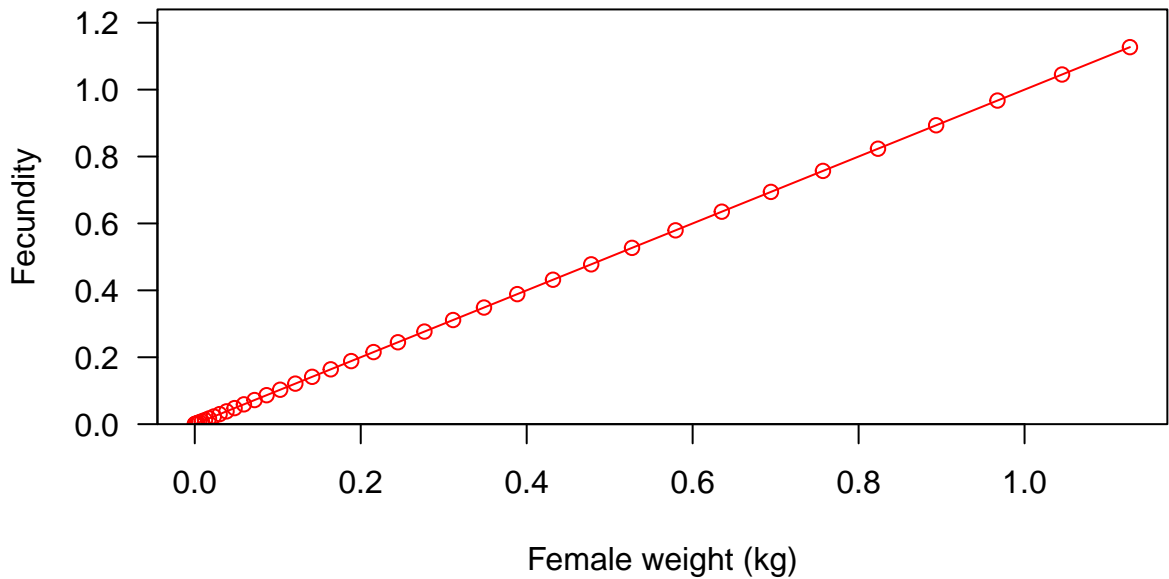


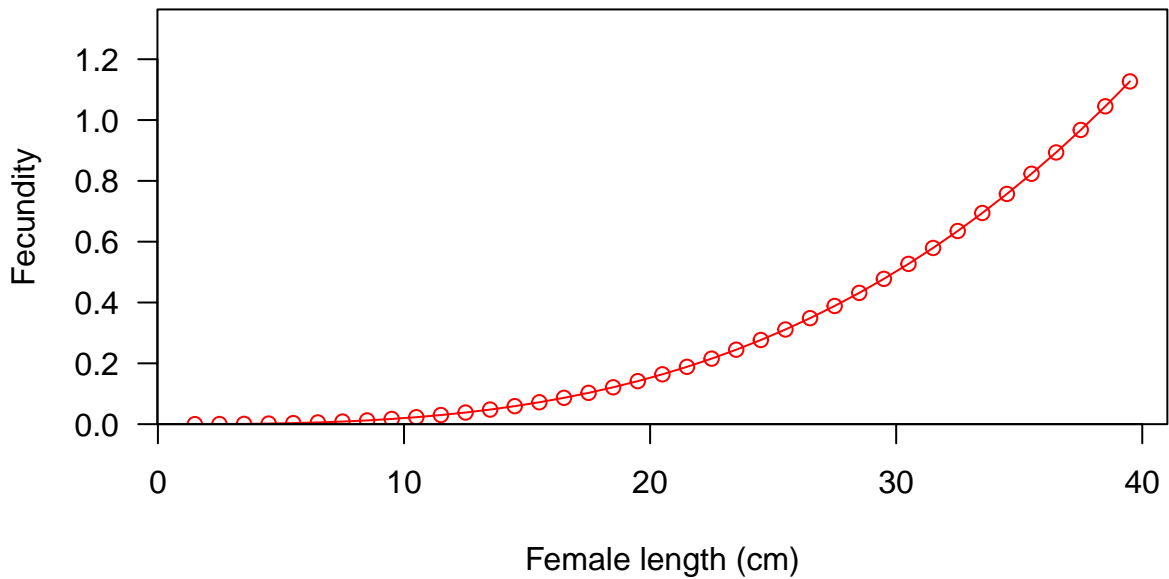


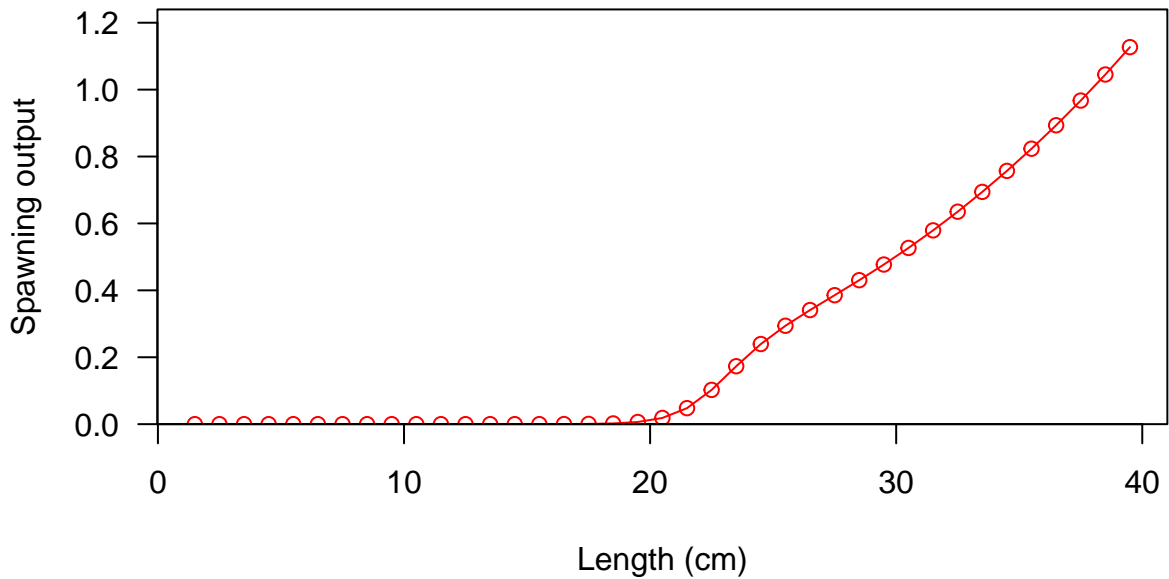


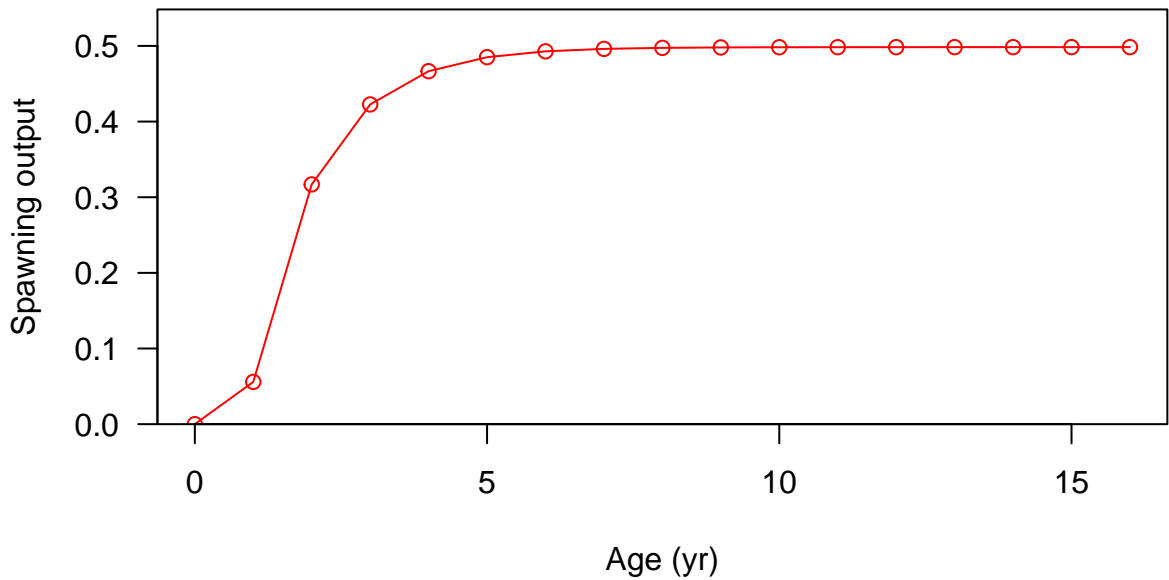




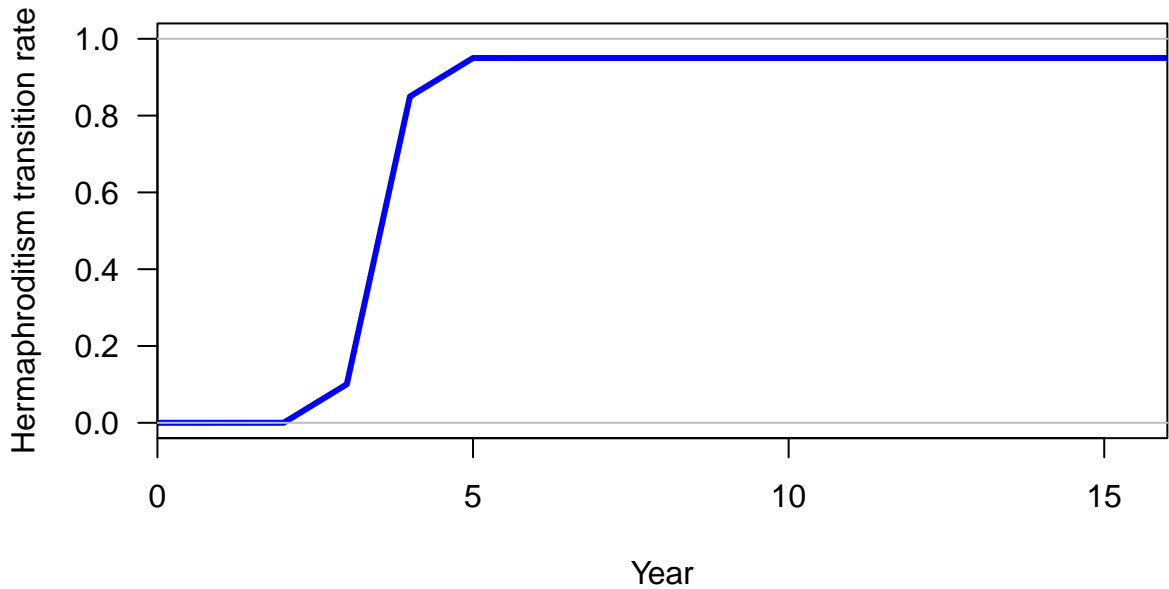




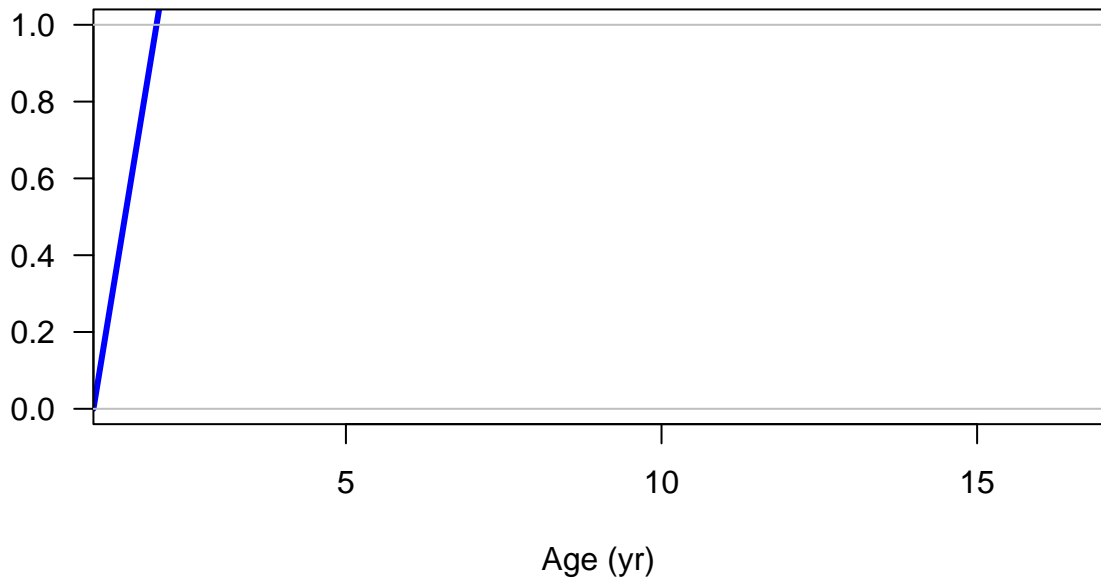




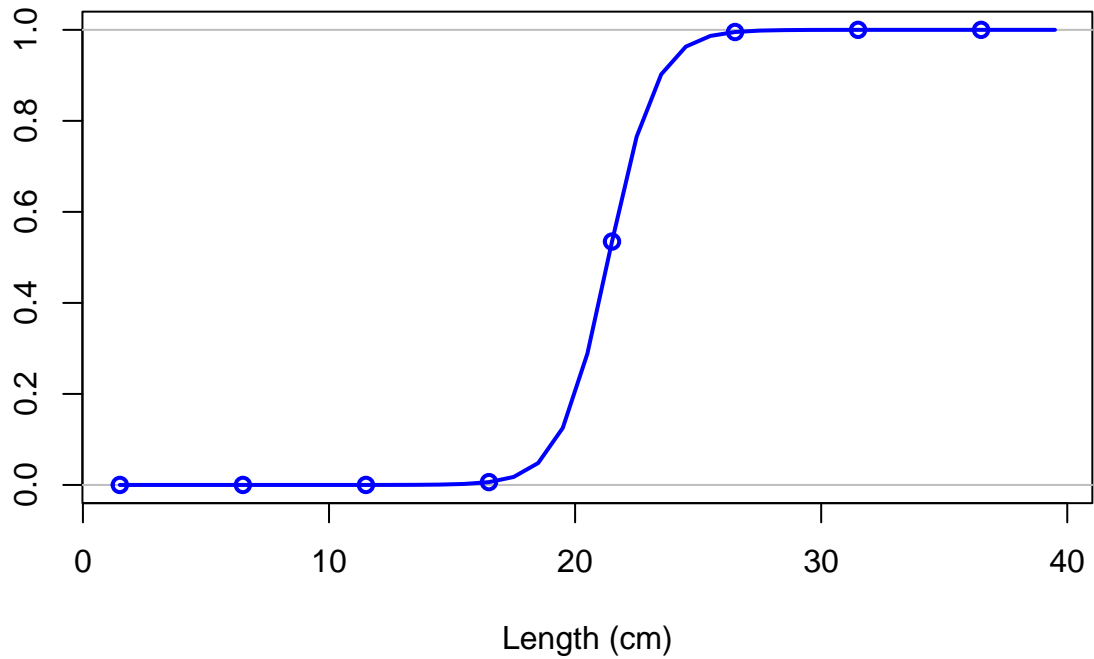




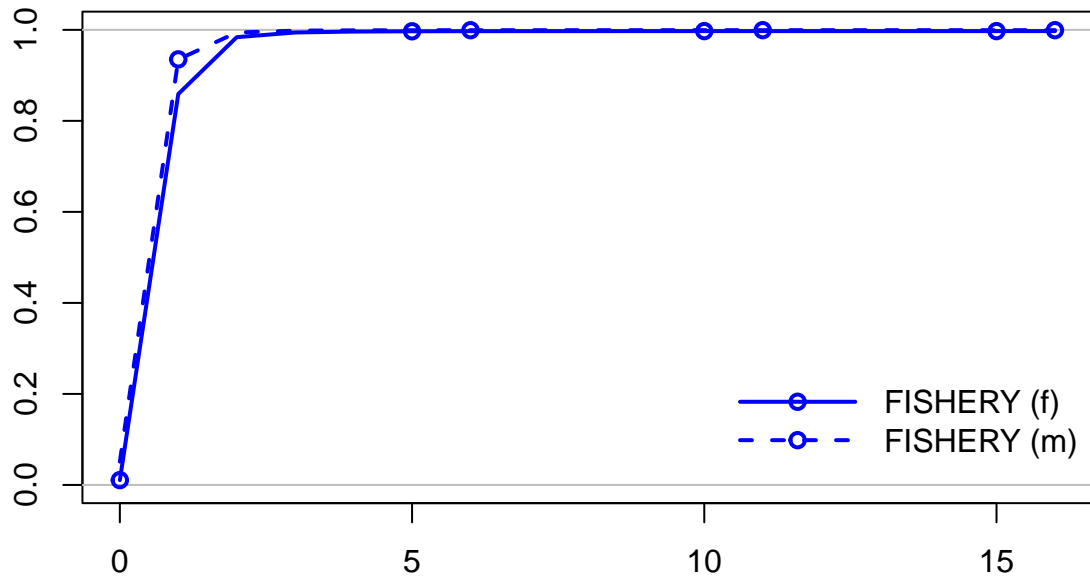
Fraction females by age at equilibrium



Selectivity

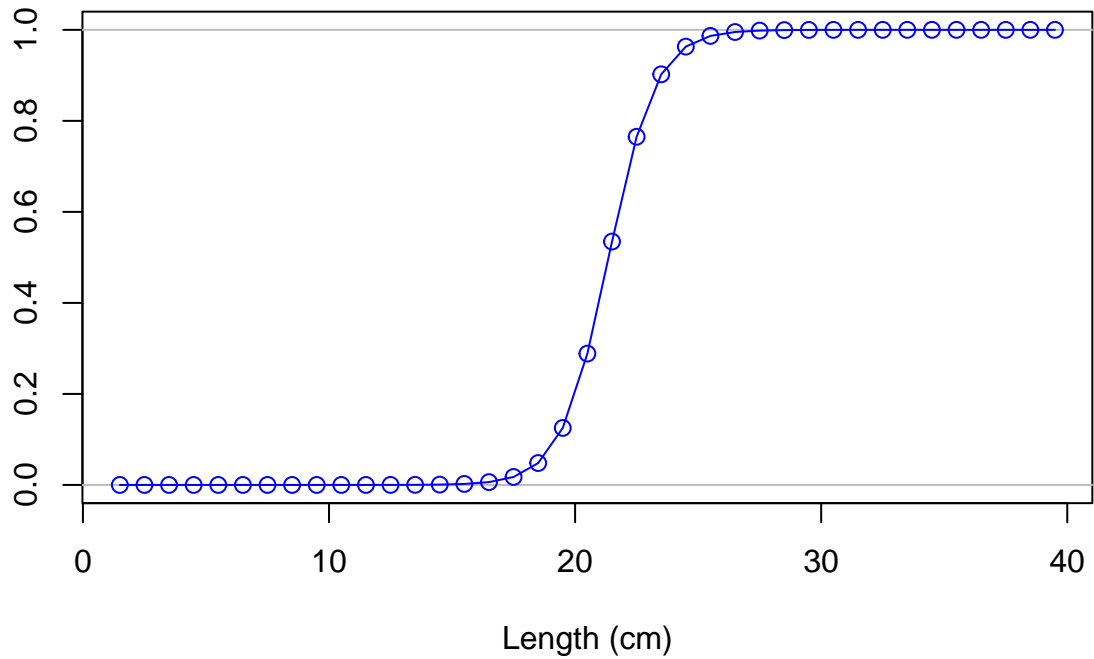


Selectivity

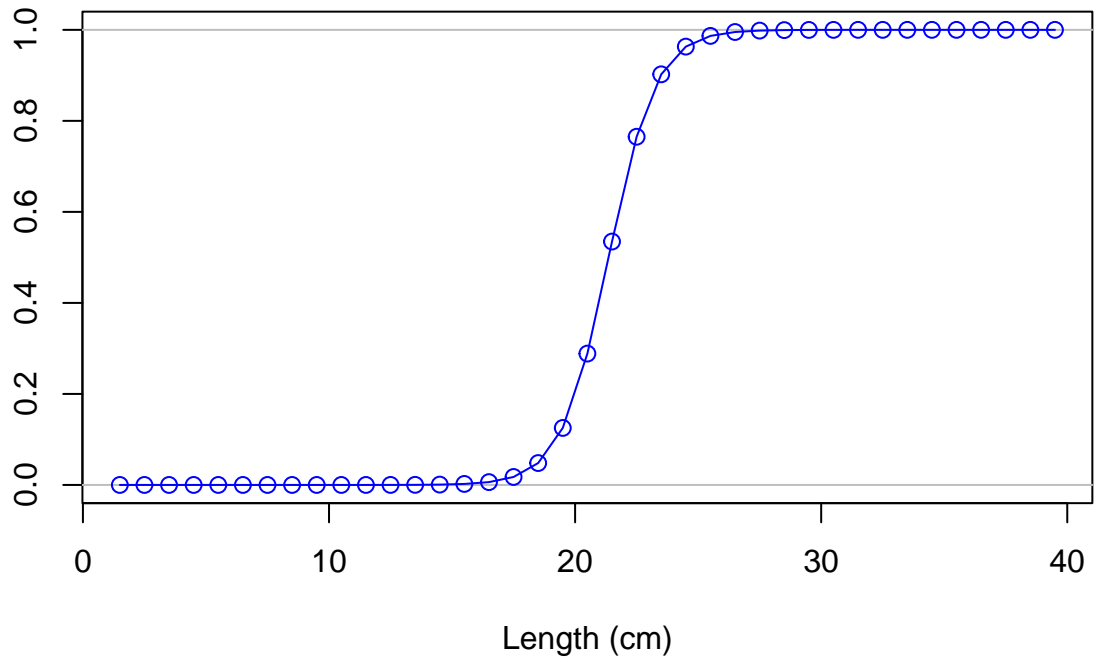


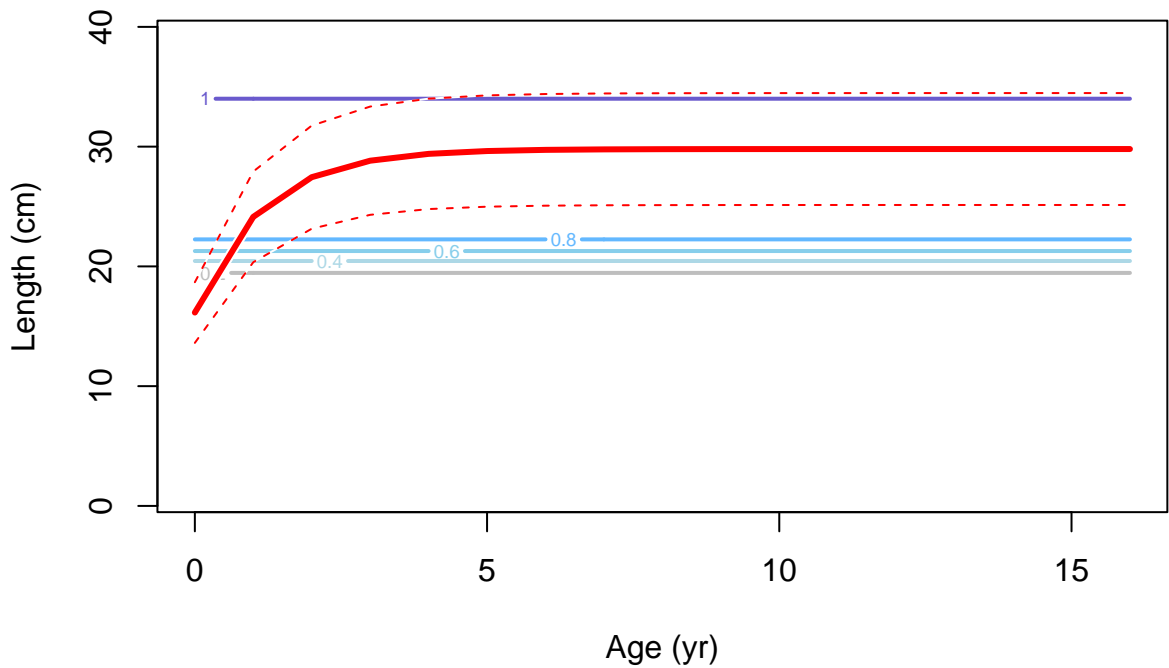
Age (yr)

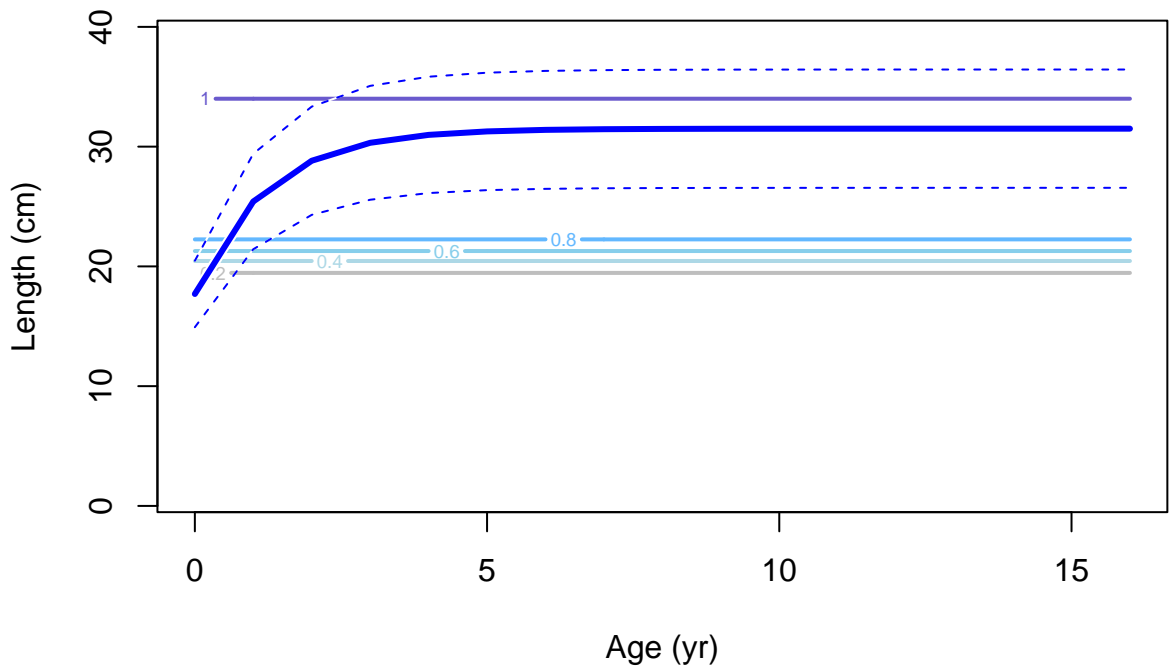
Selectivity



Selectivity

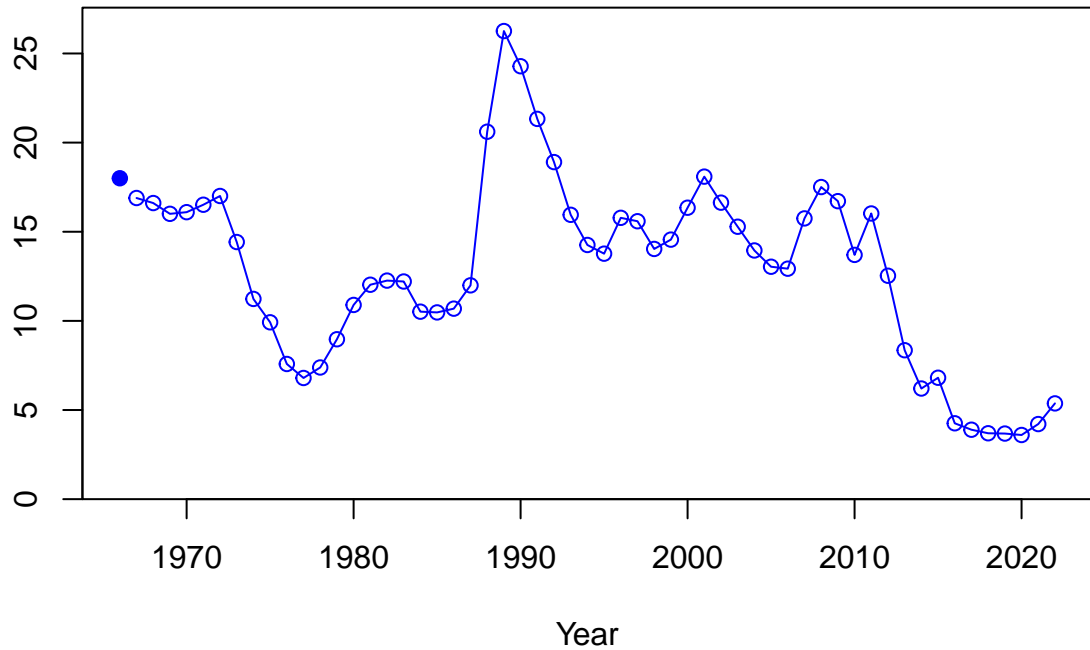




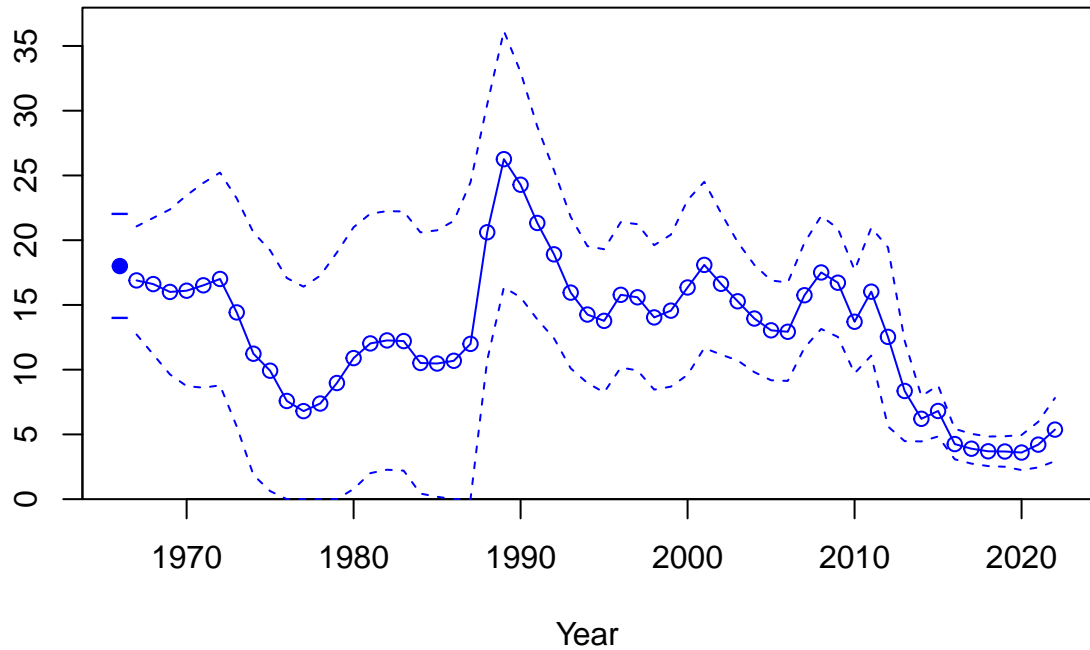




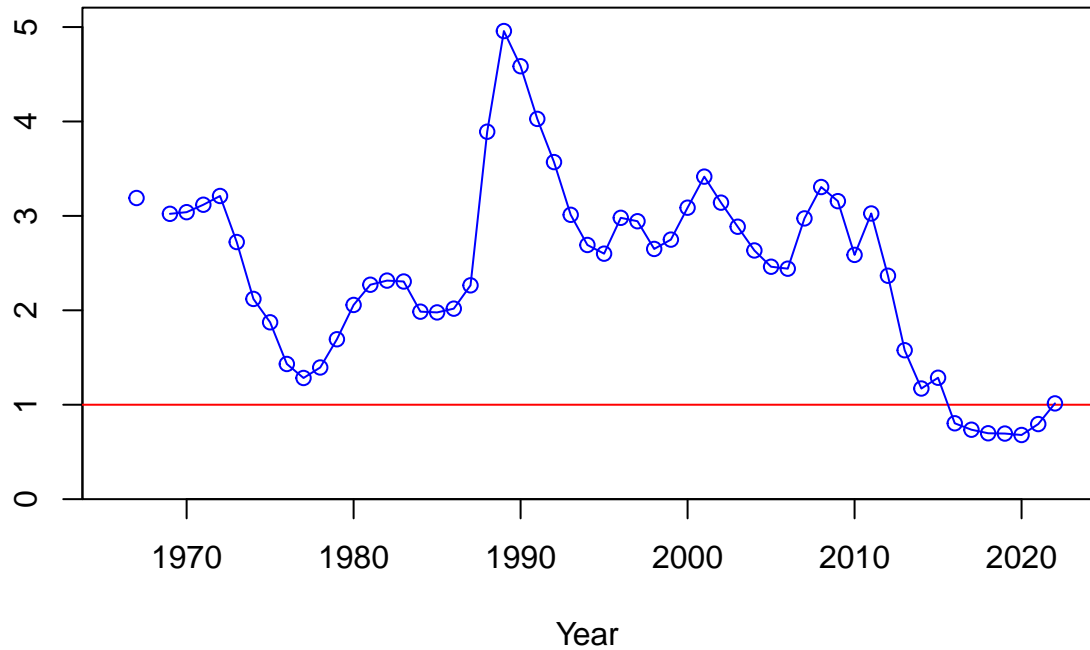
Spawning biomass (mt)



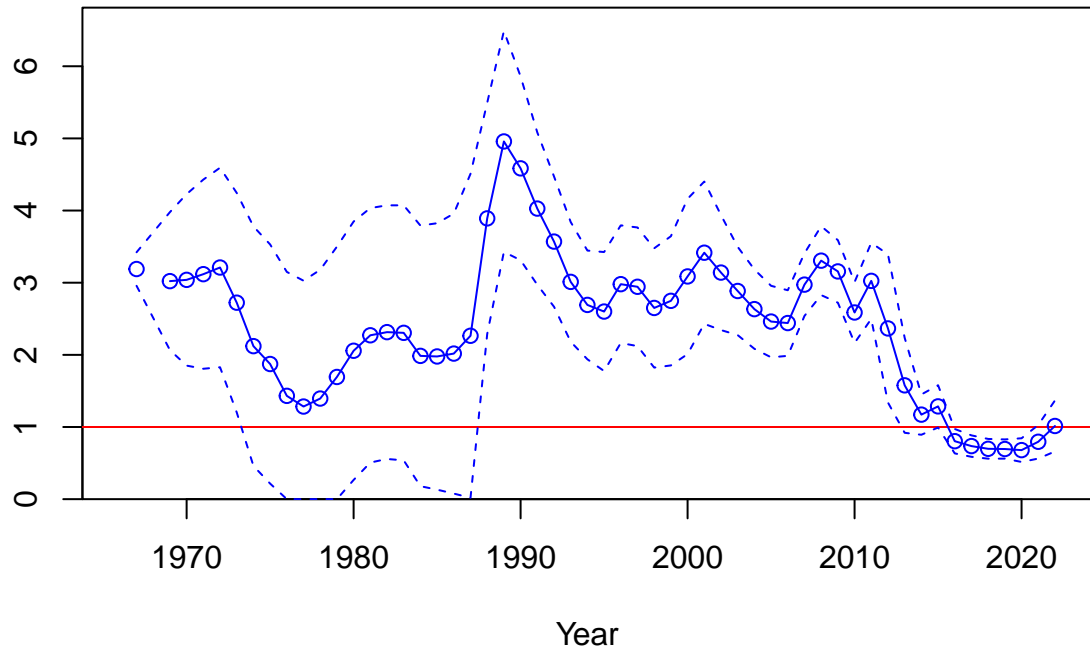
Spawning biomass (mt)

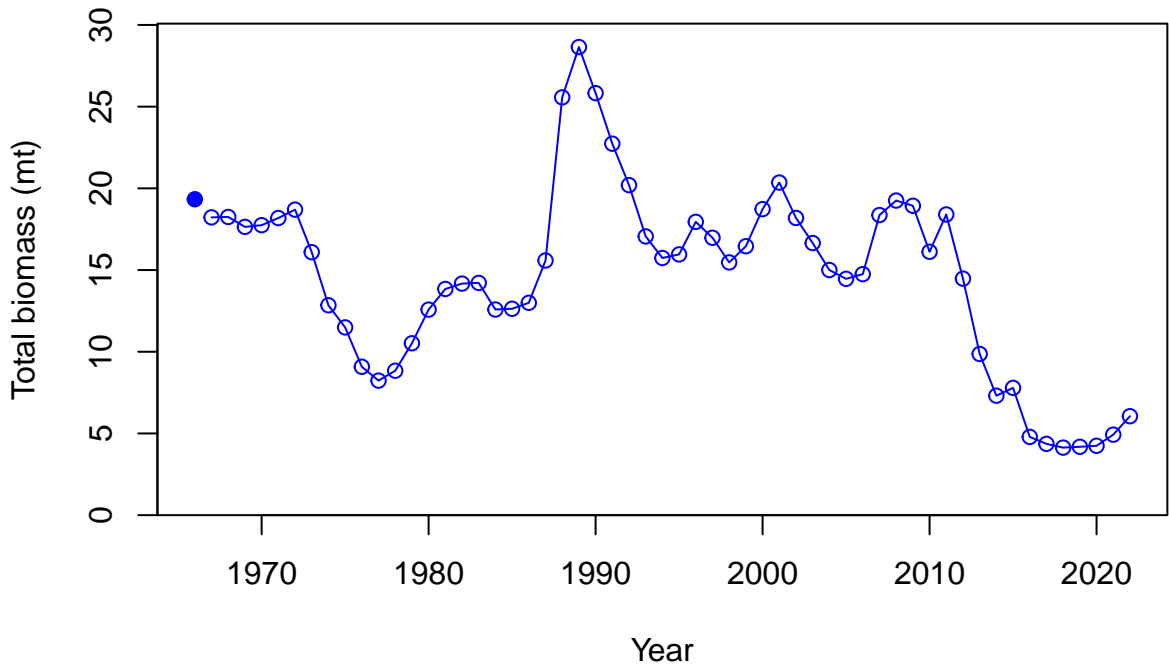


Relative spawning biomass:  $B/B_{MSY}$

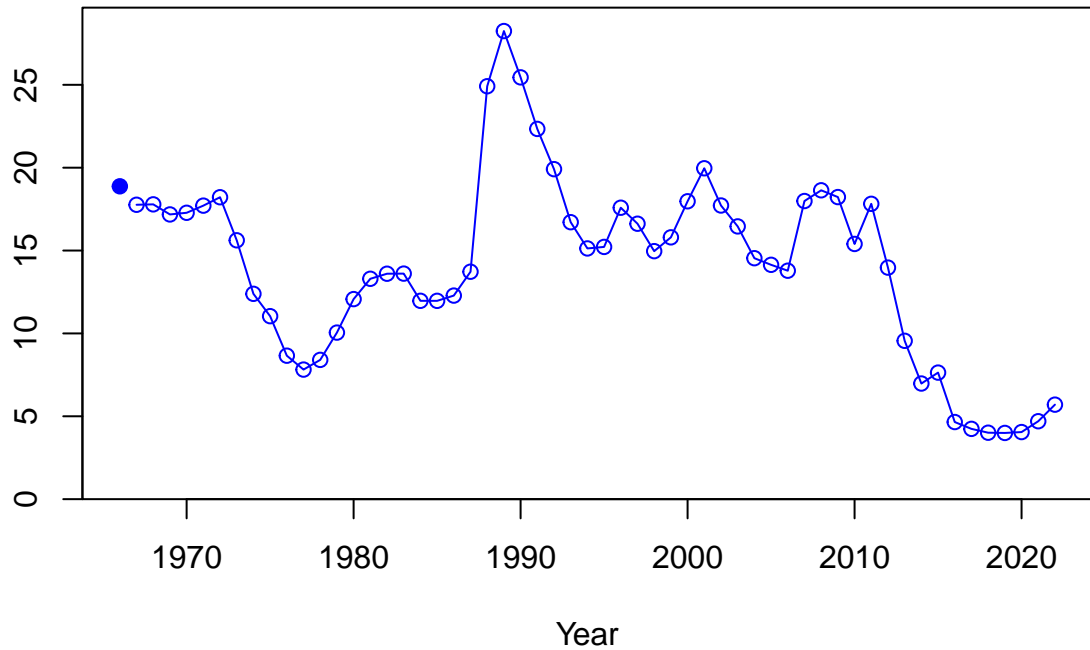


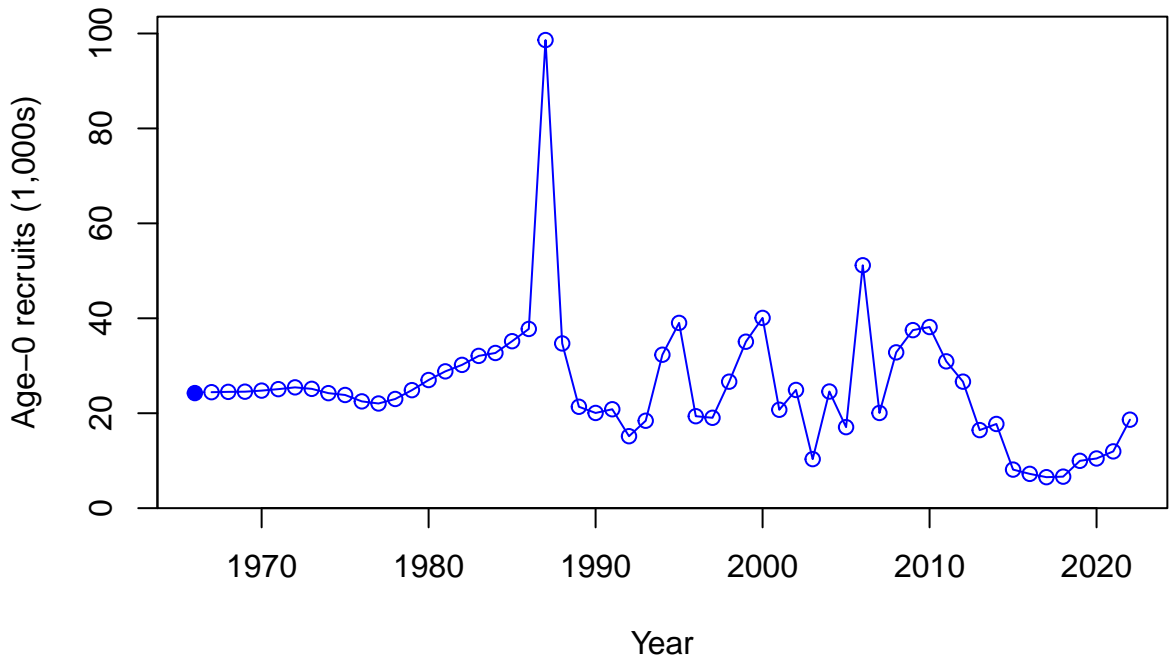
Relative spawning biomass:  $B/B_{MSY}$

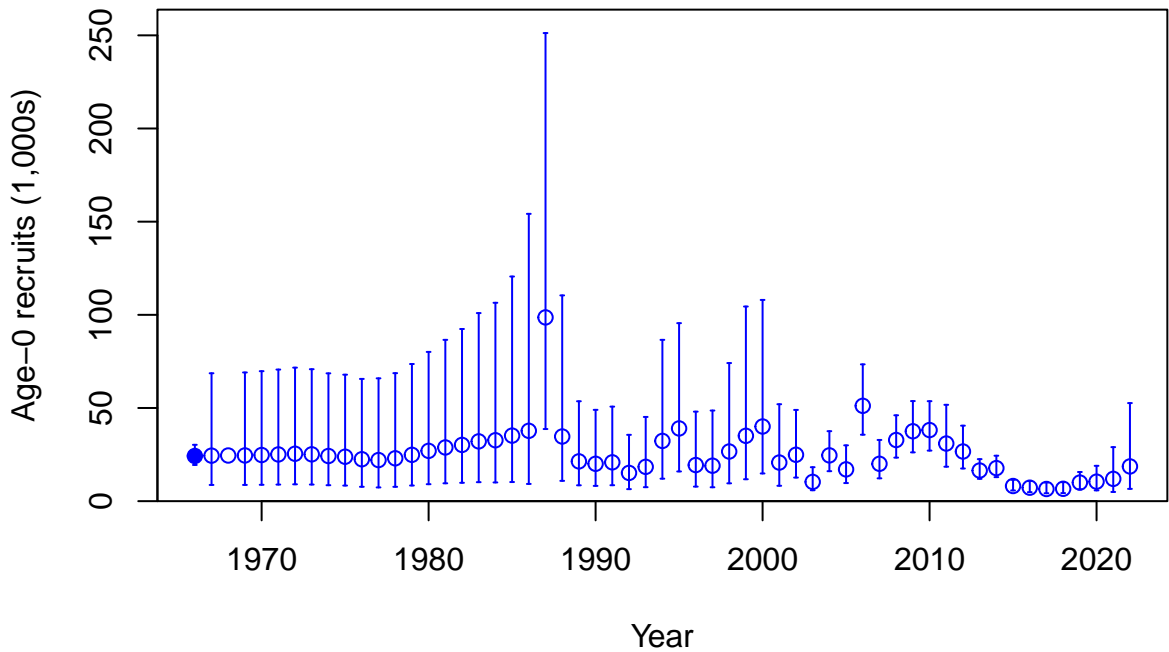




Summary biomass (mt)

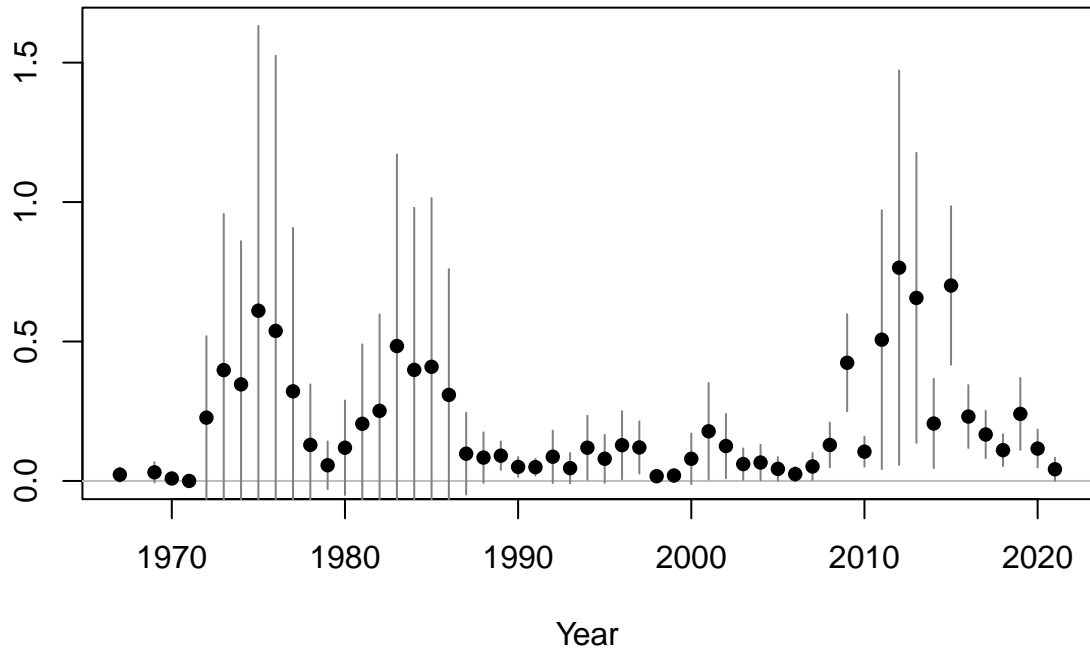


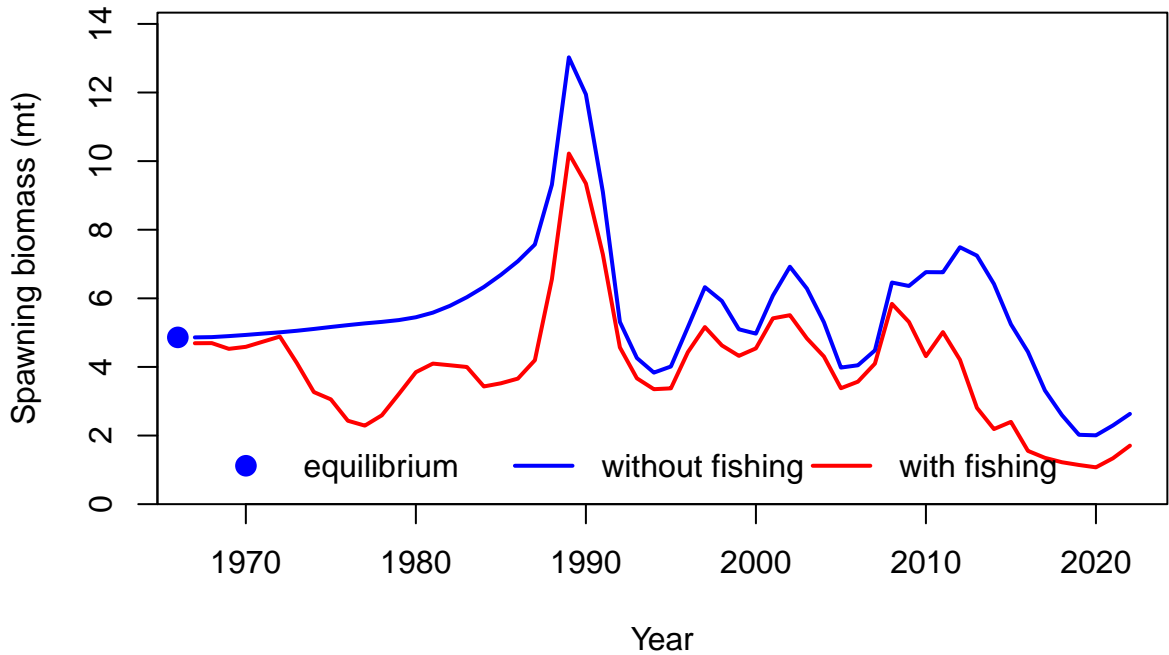




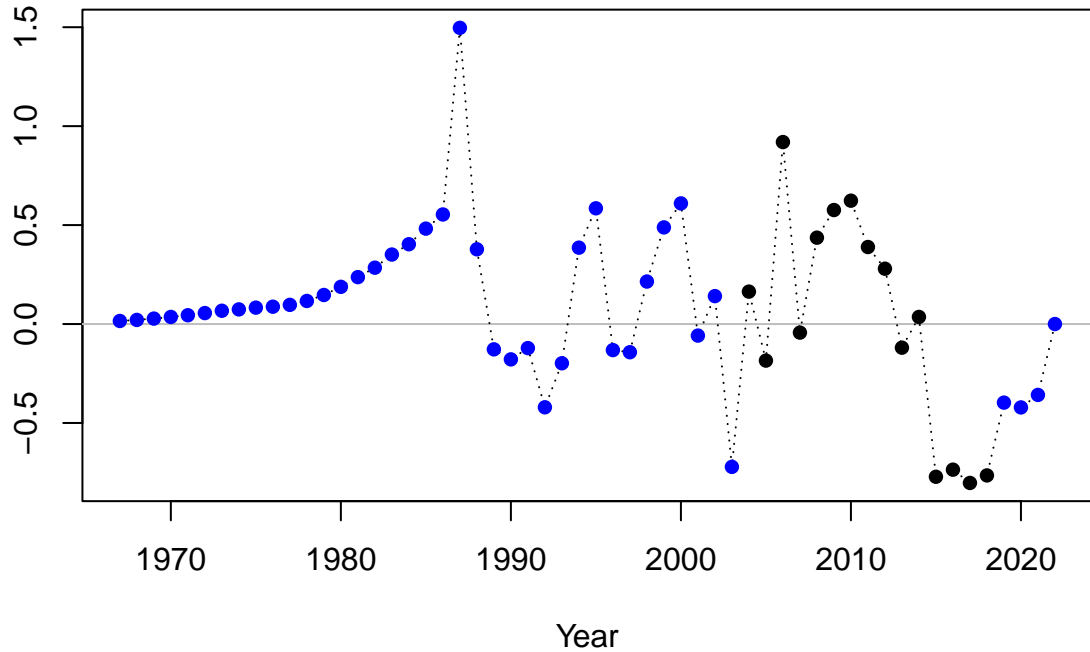


Summary Fishing Mortality

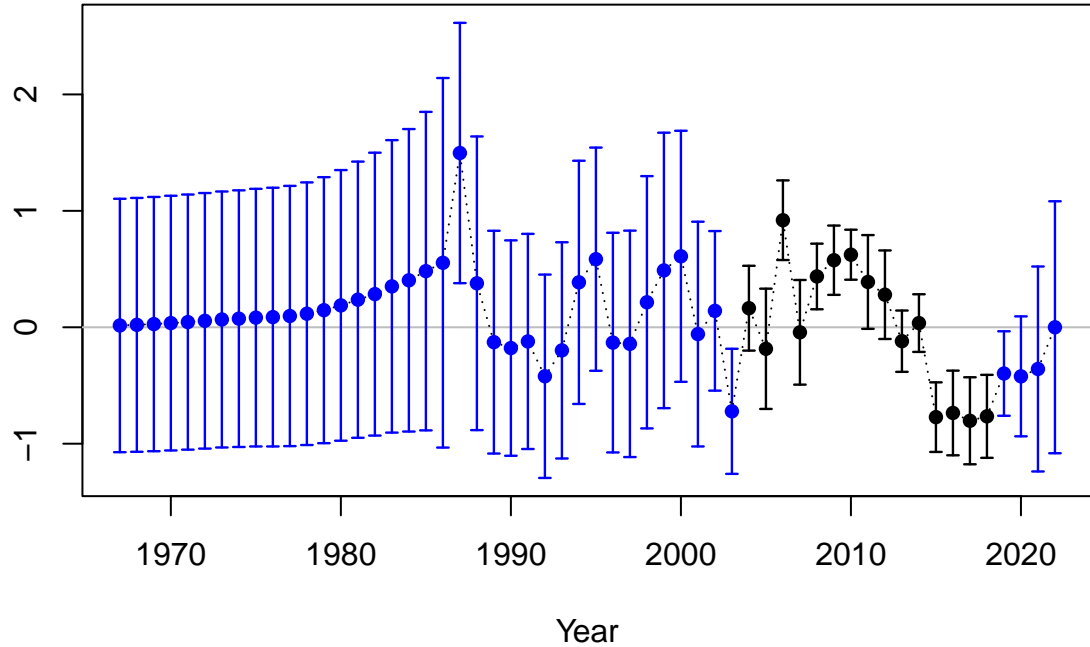




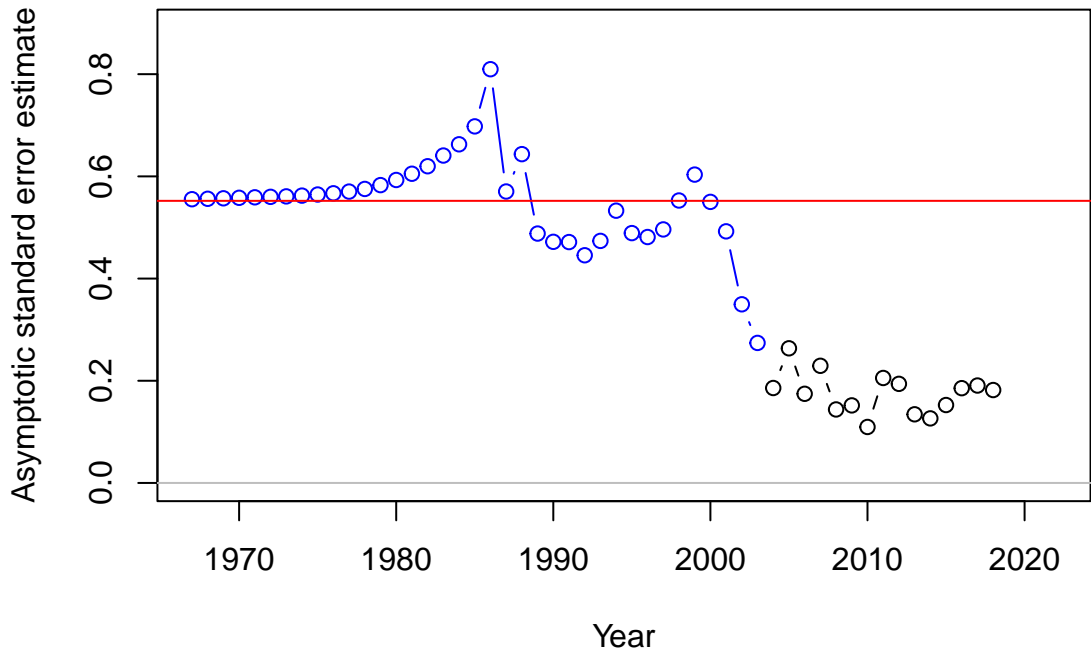
Log recruitment deviation

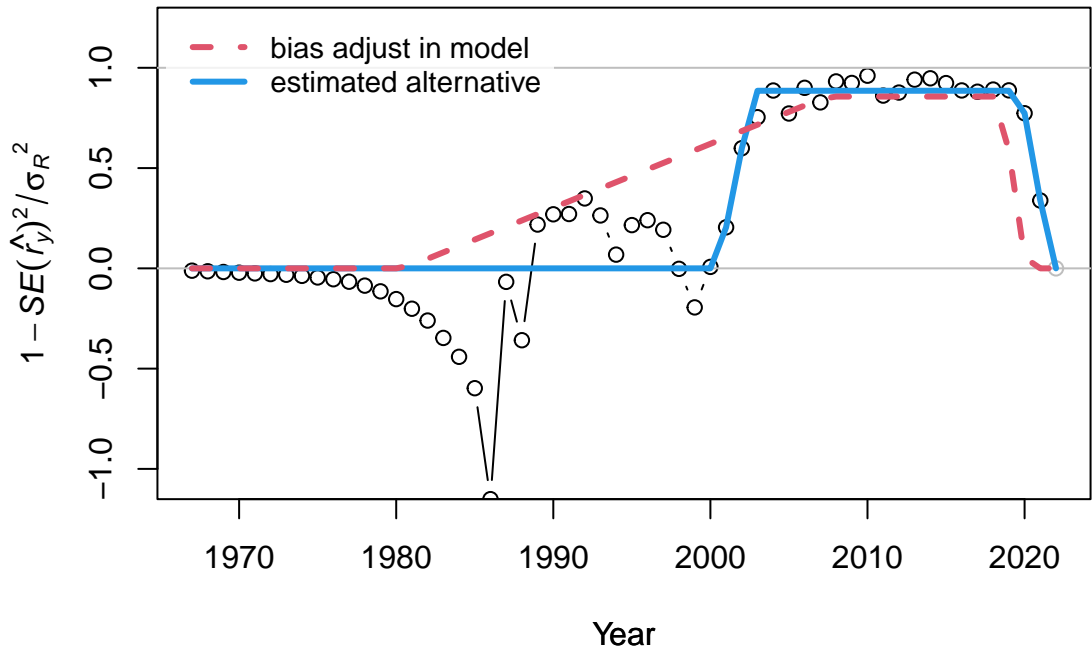


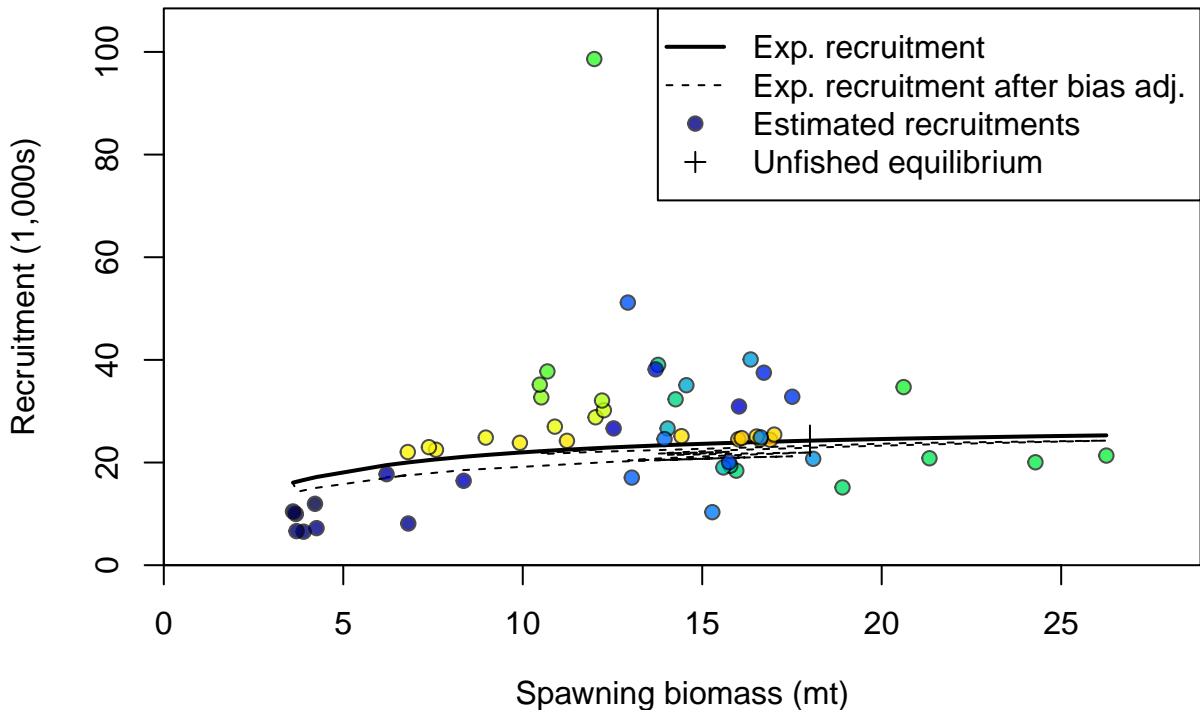
Log recruitment deviation

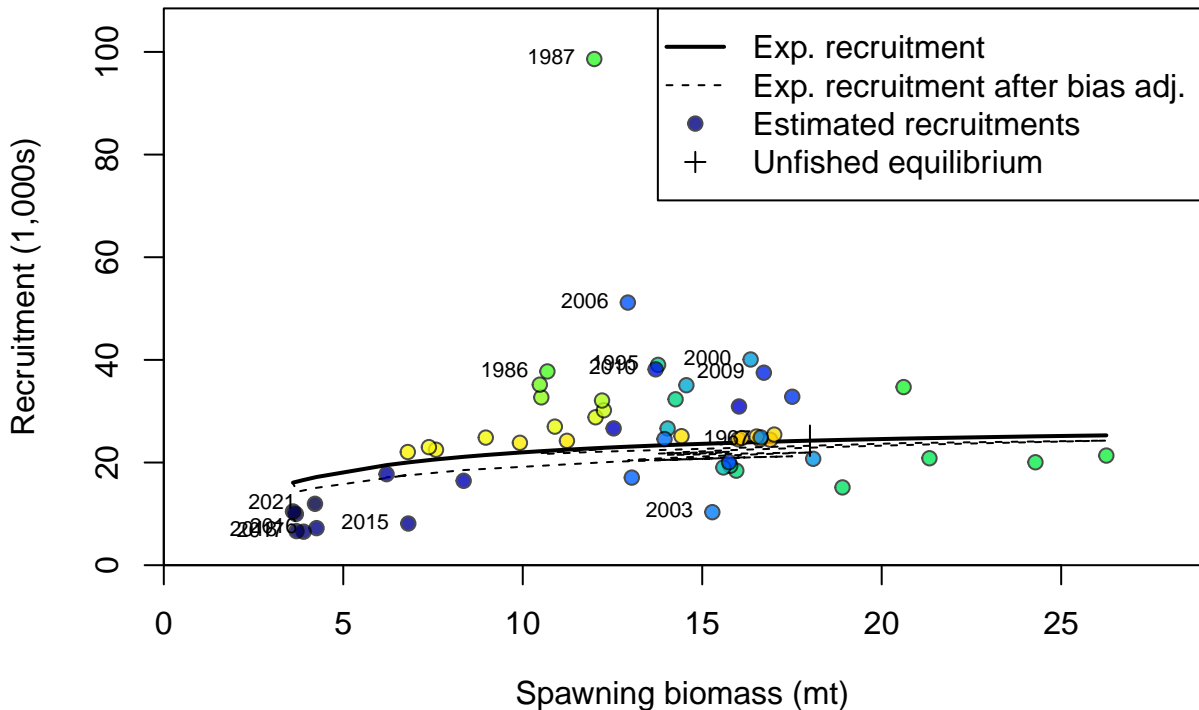


## Recruitment deviation variance



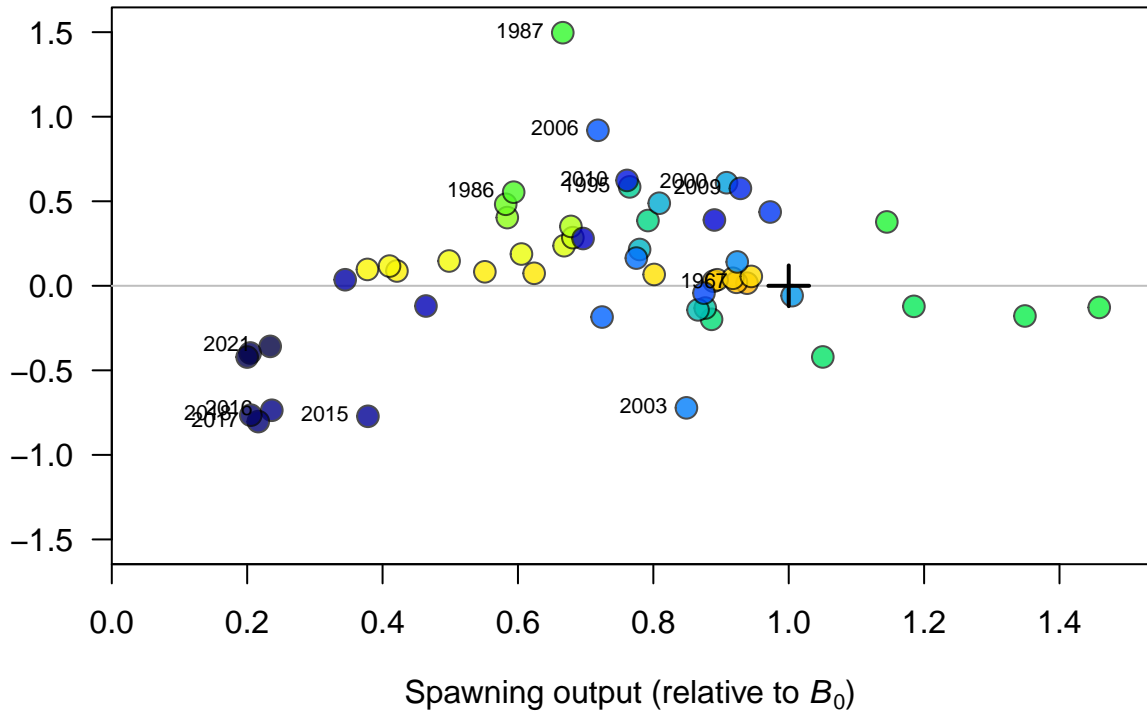


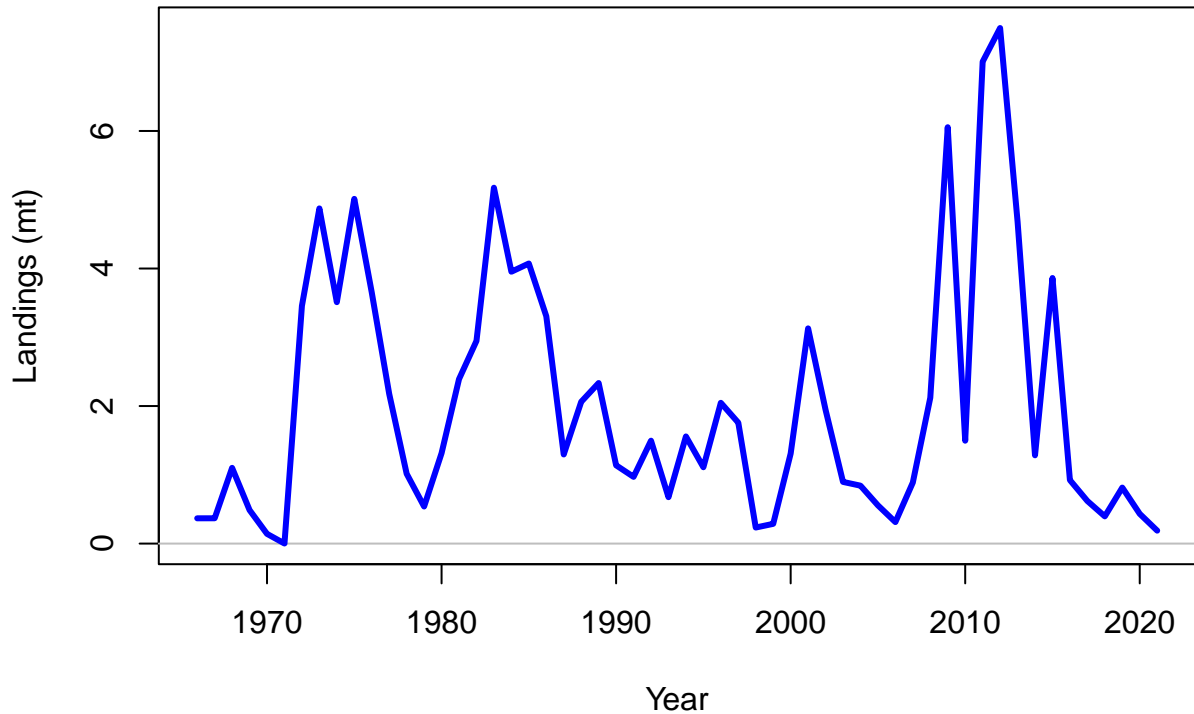


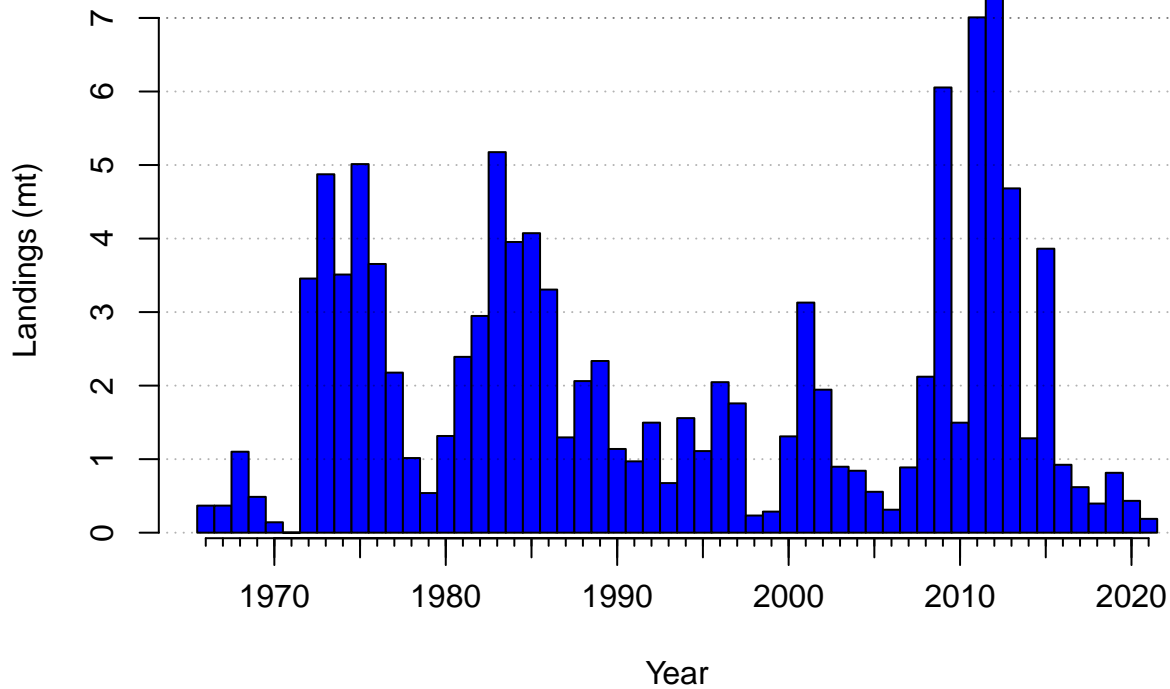




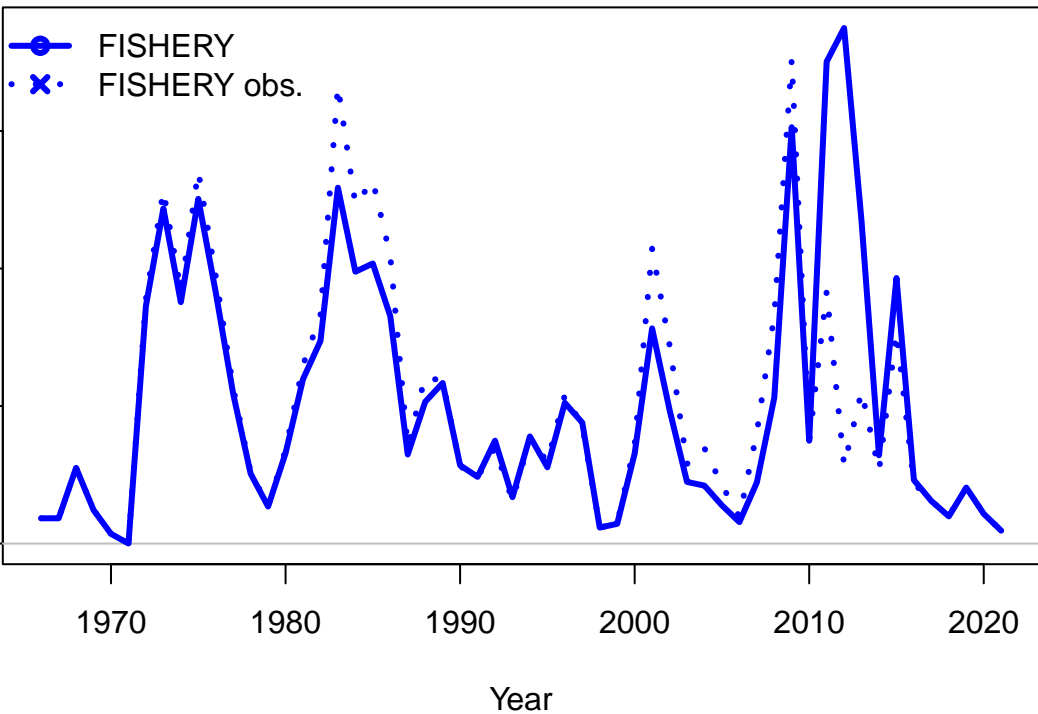
Log recruitment deviation

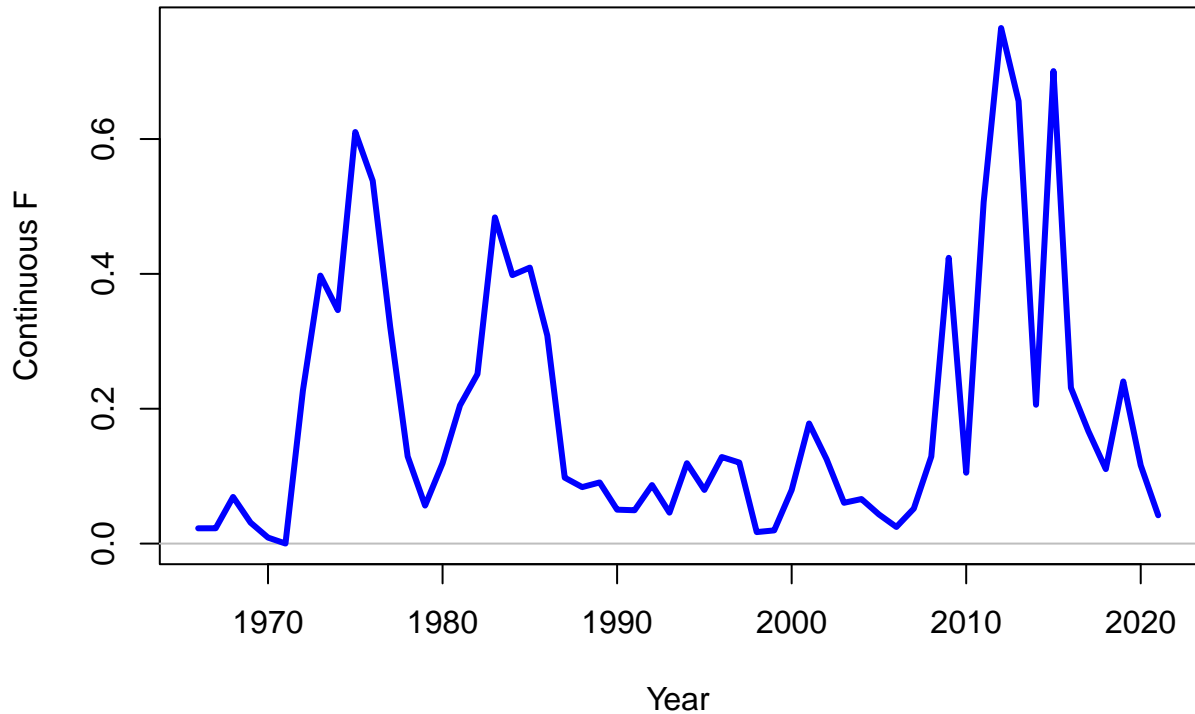




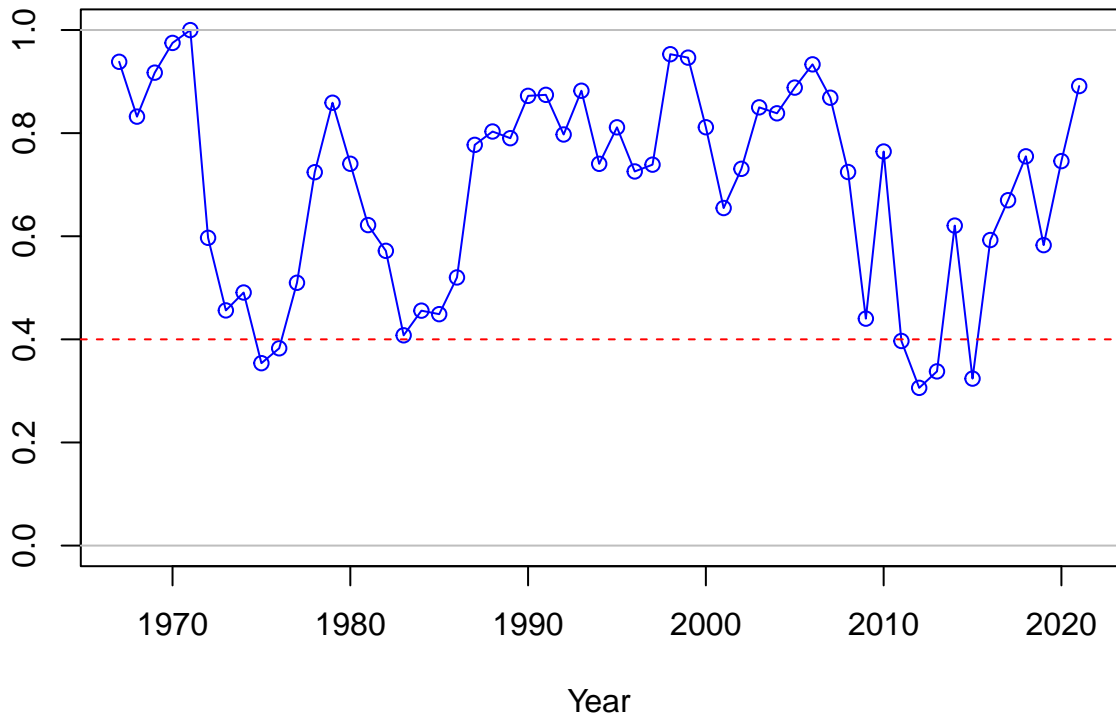


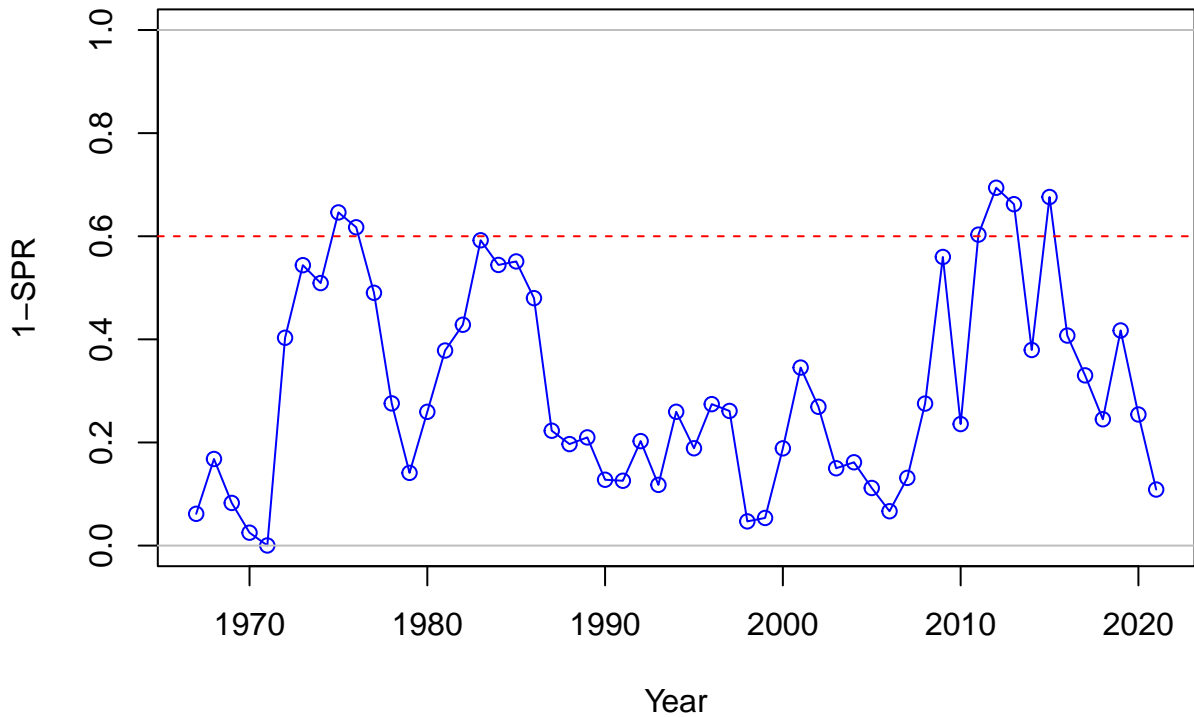
Observed and expected Landings (mt)



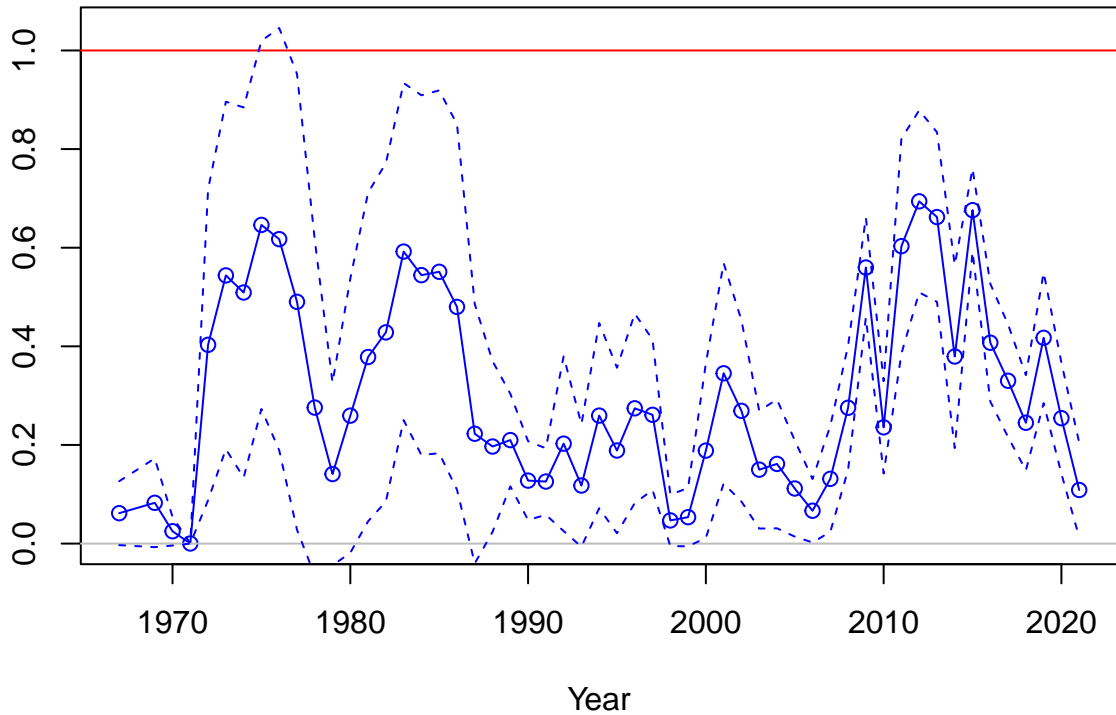


SPR



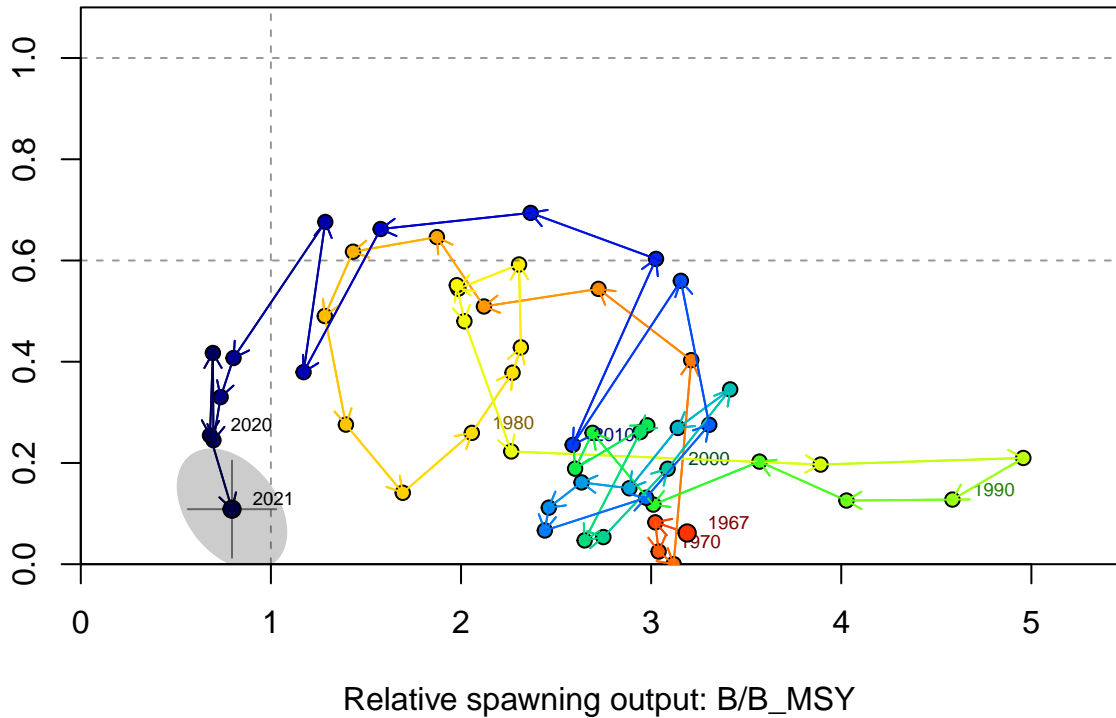


Fishing intensity: 1-SPR

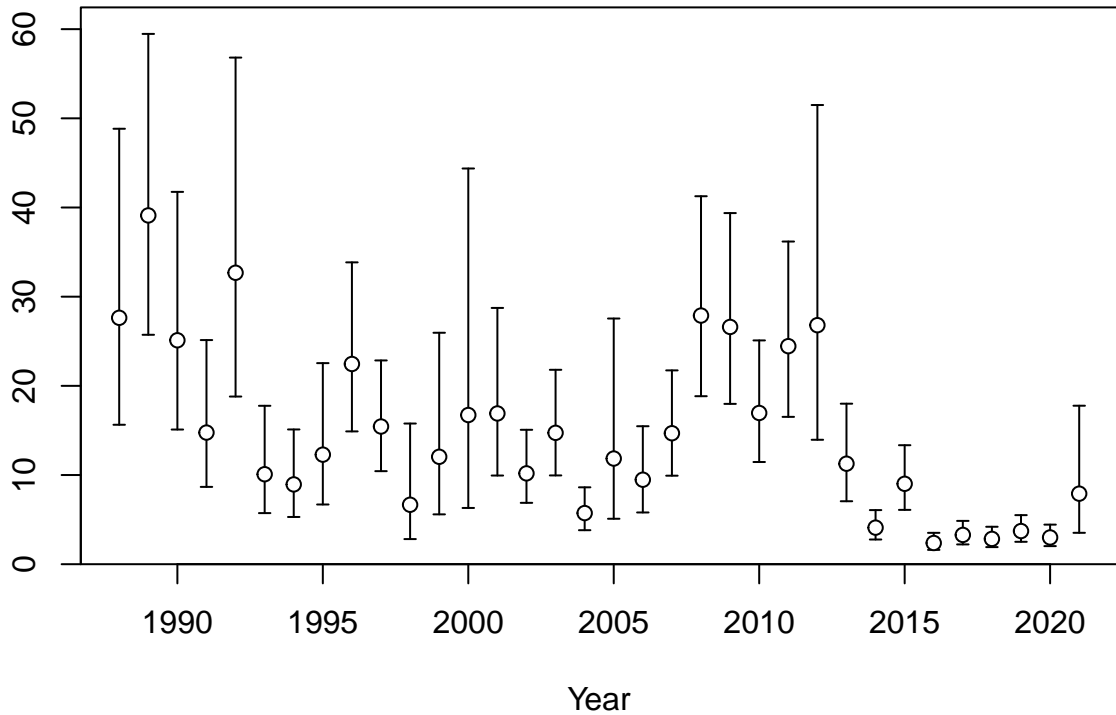




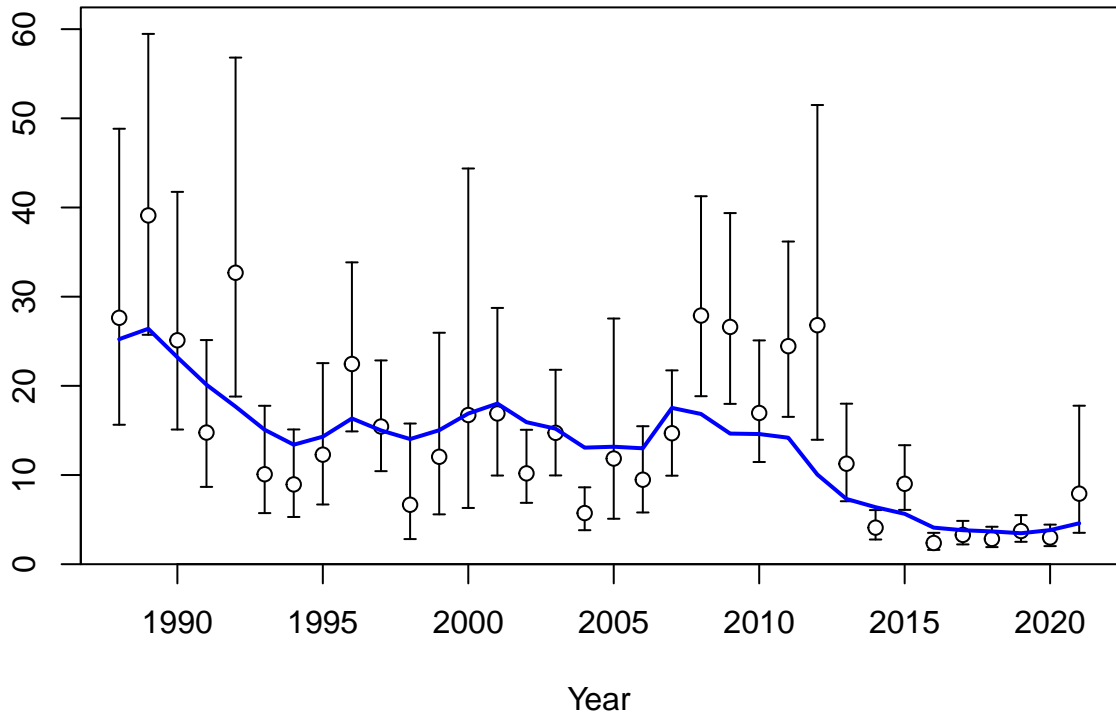
Fishing intensity: 1-SPR

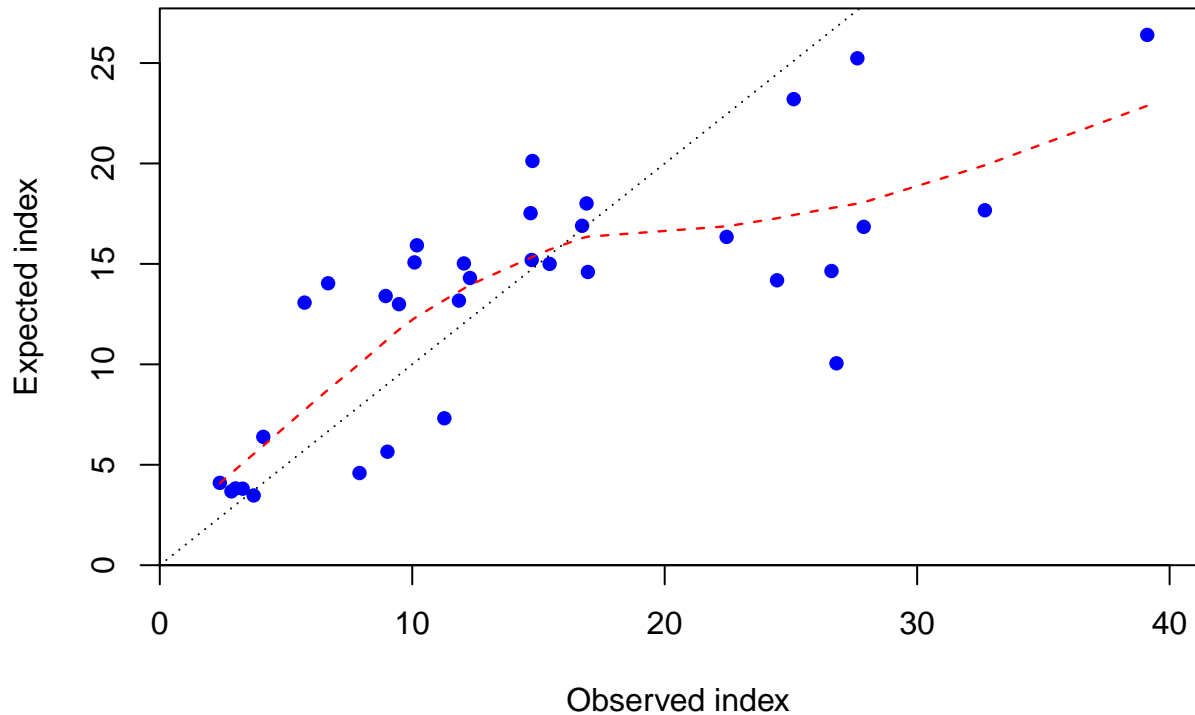


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2000

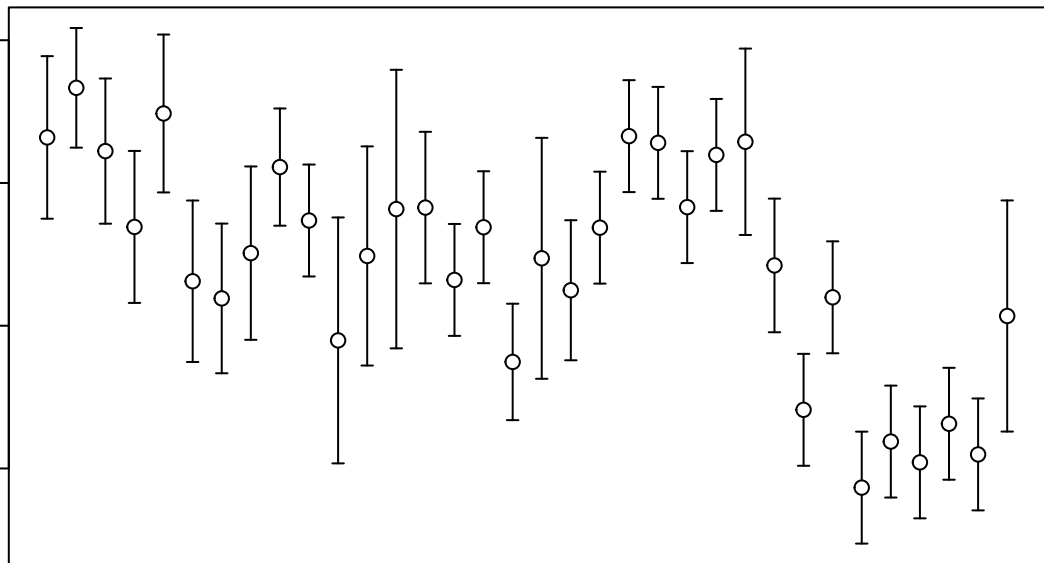
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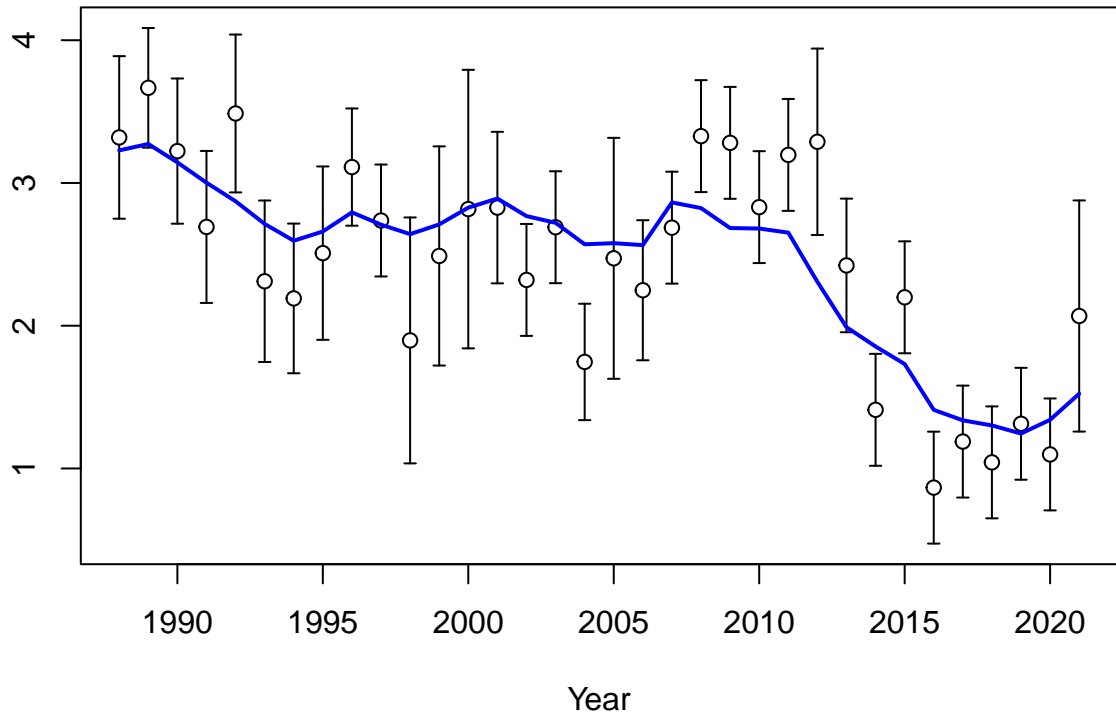
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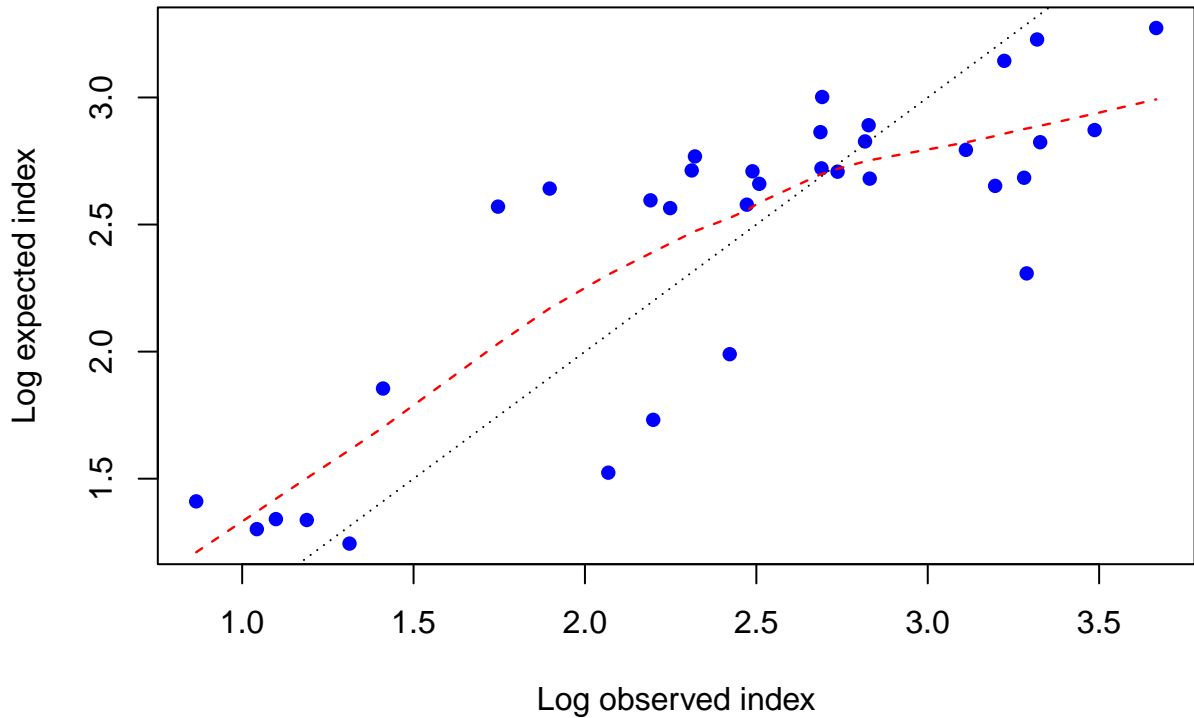
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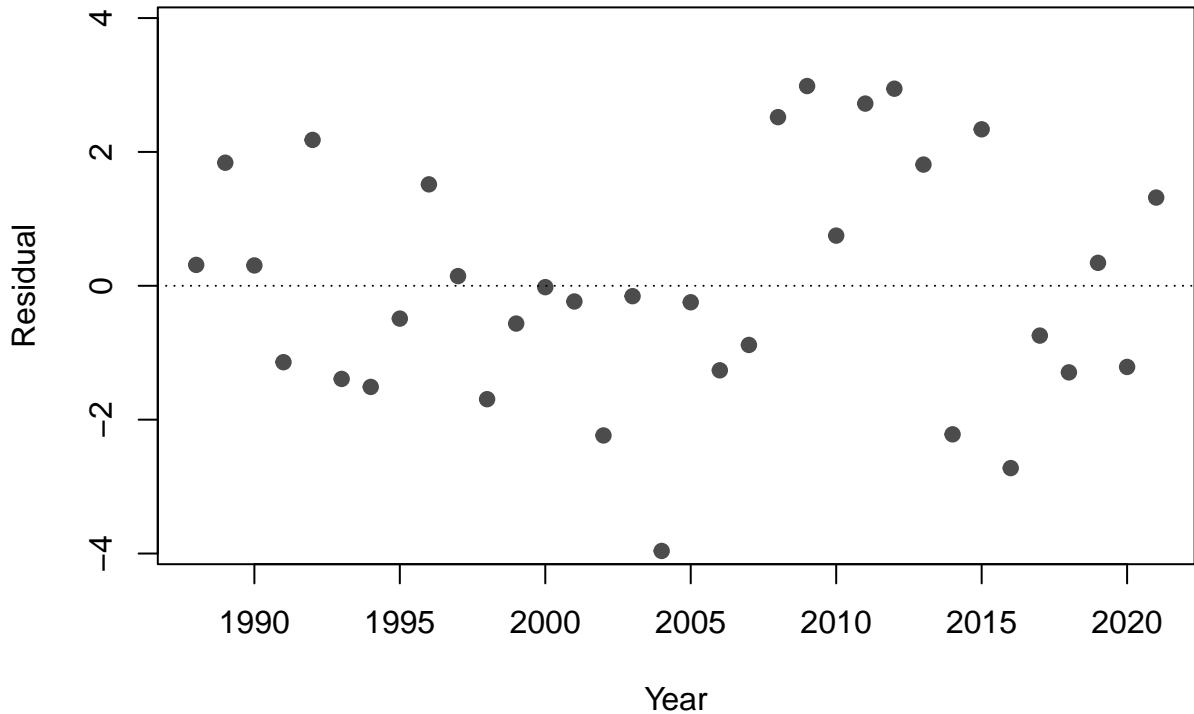
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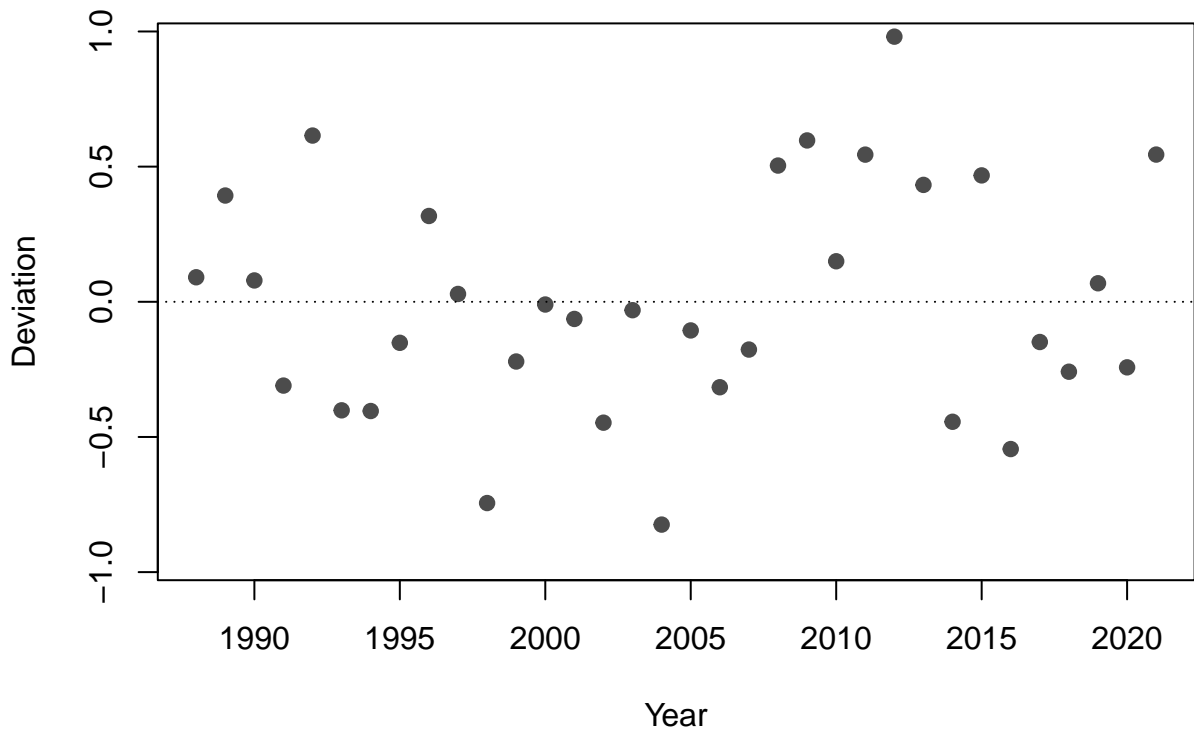
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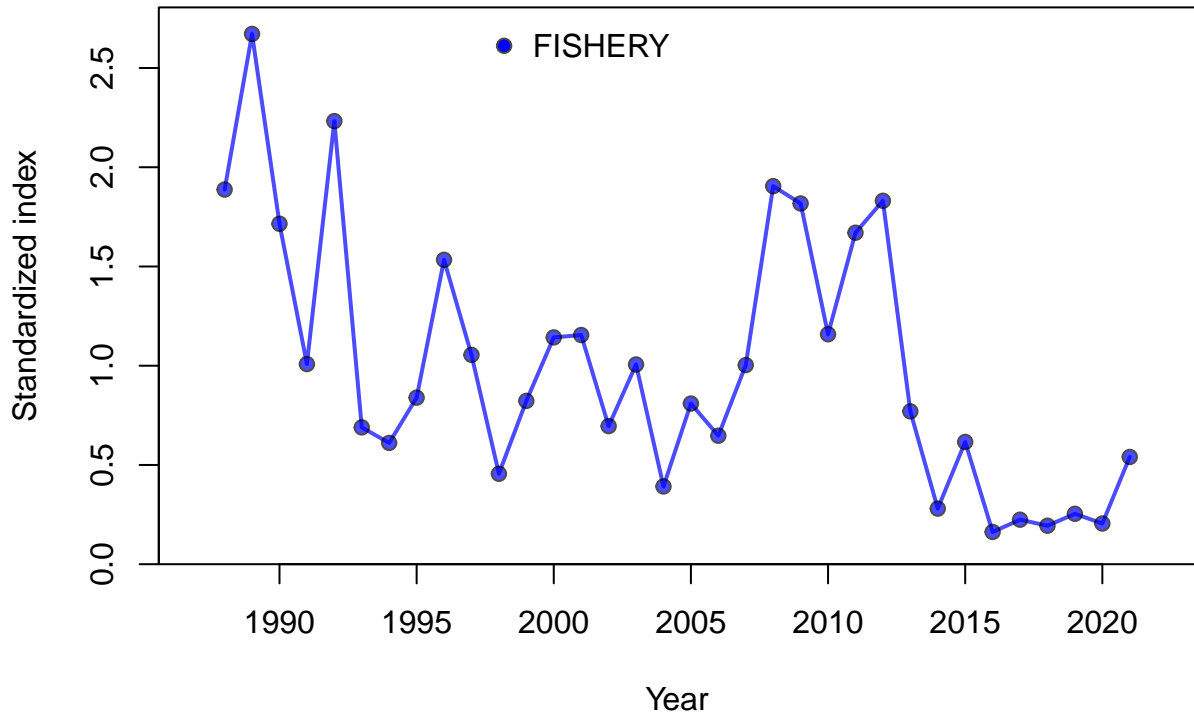




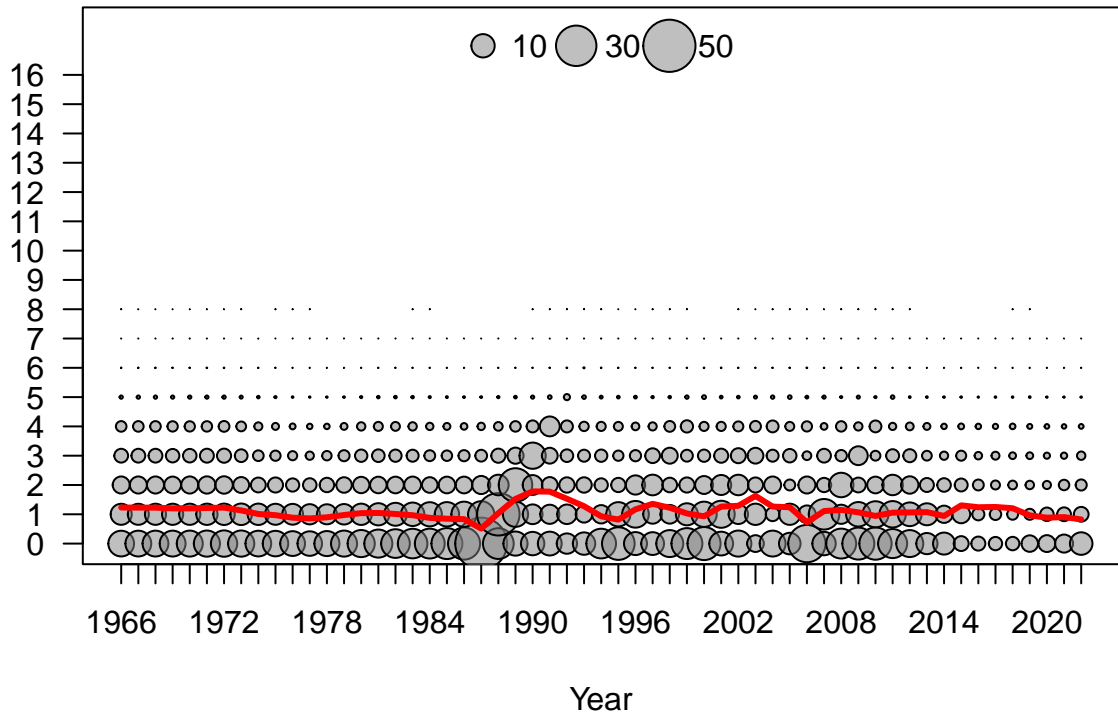




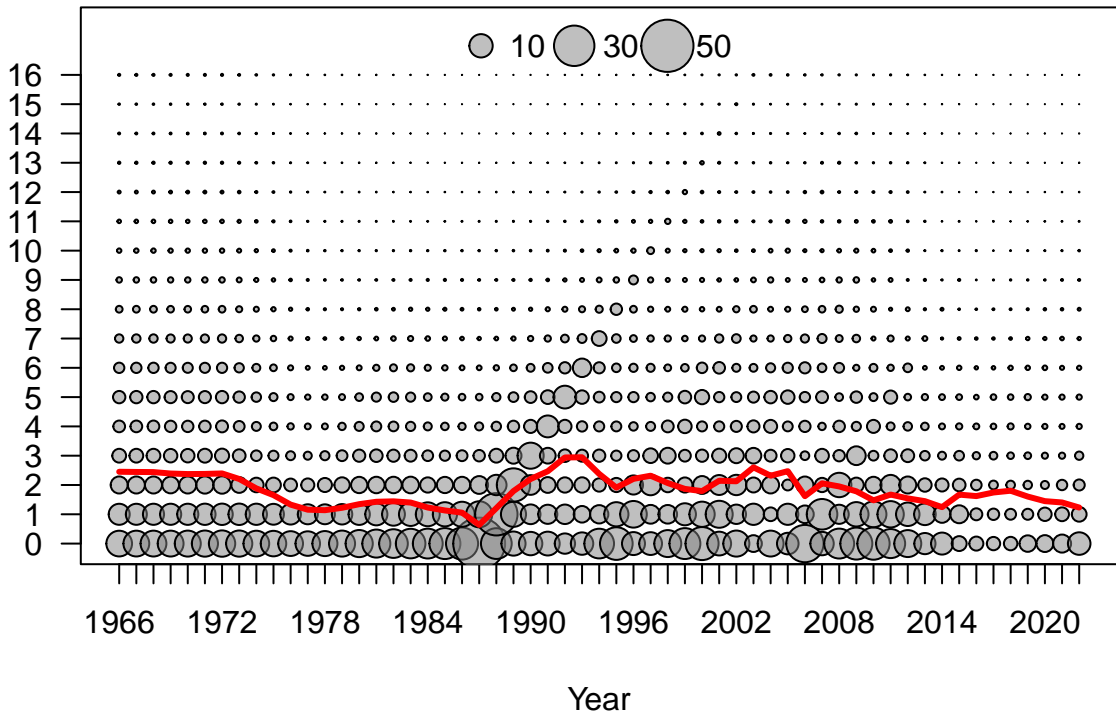


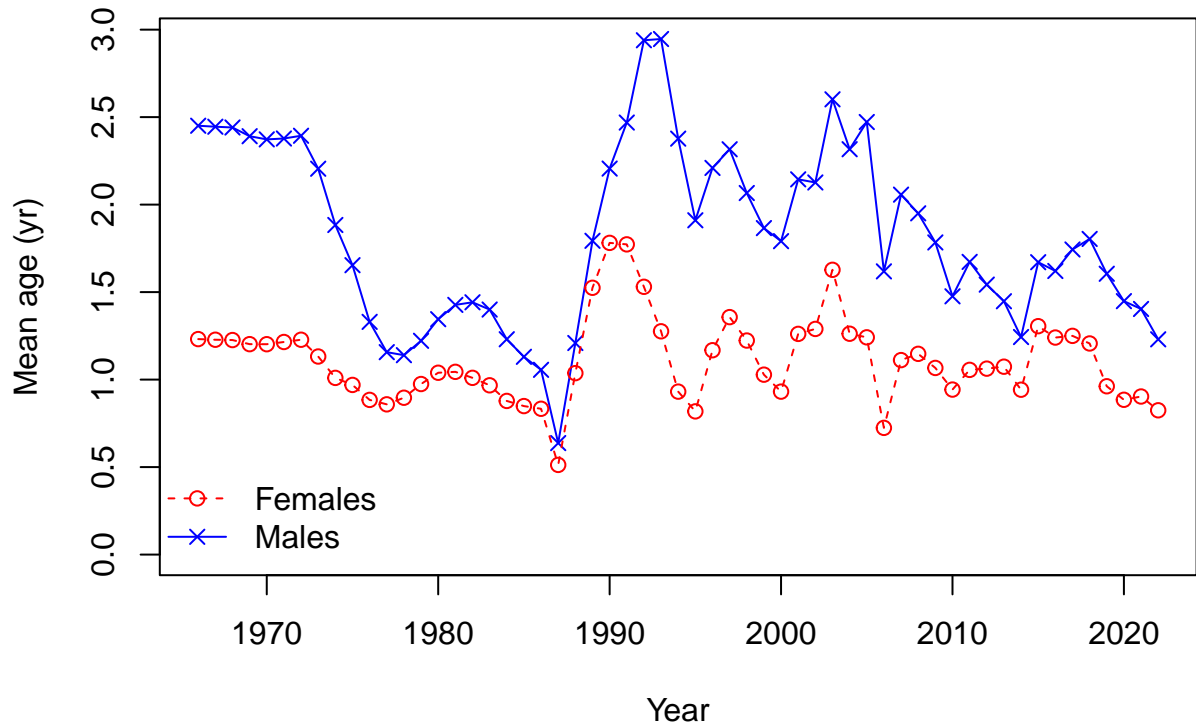


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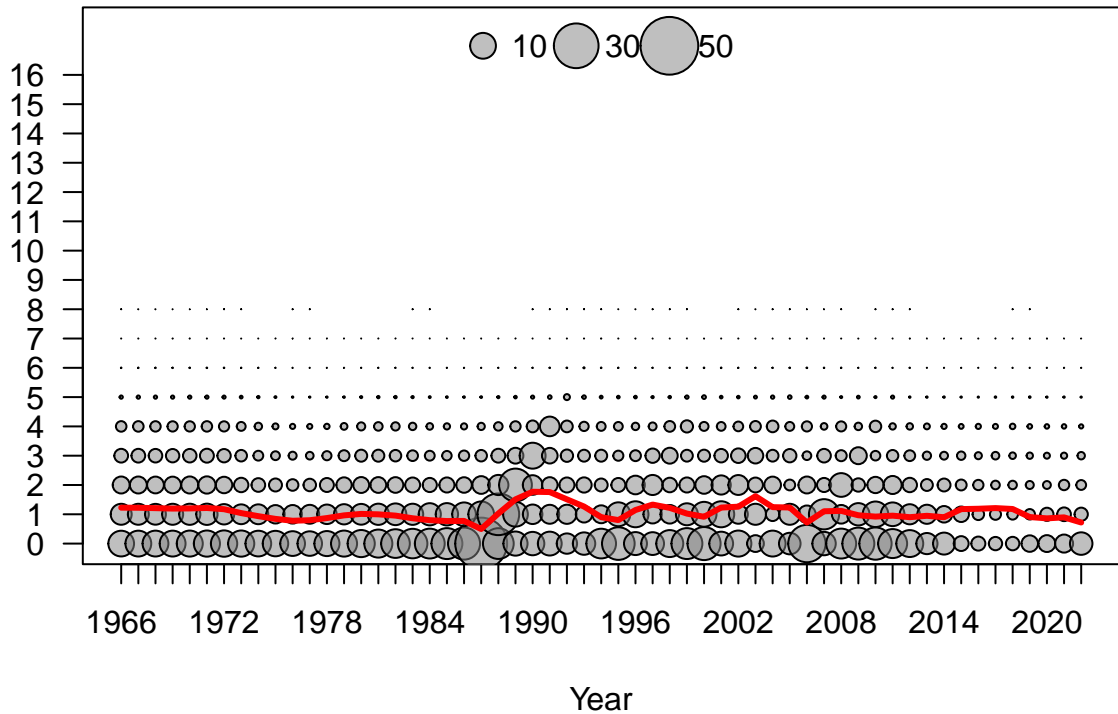


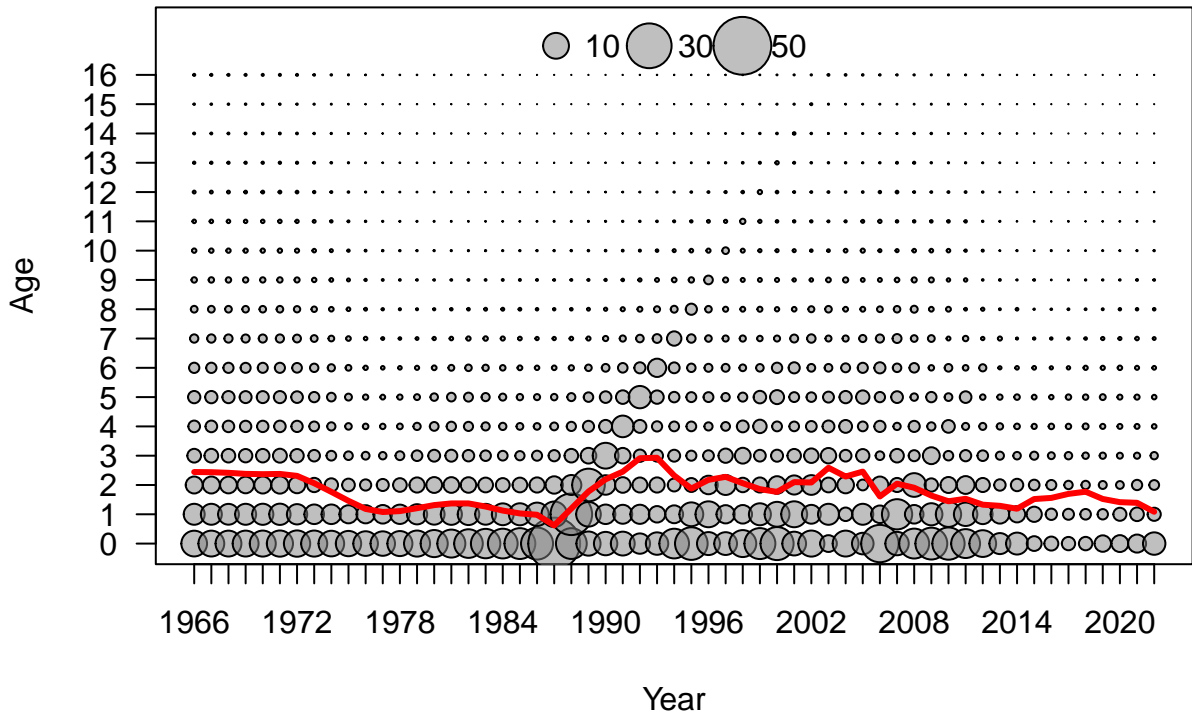
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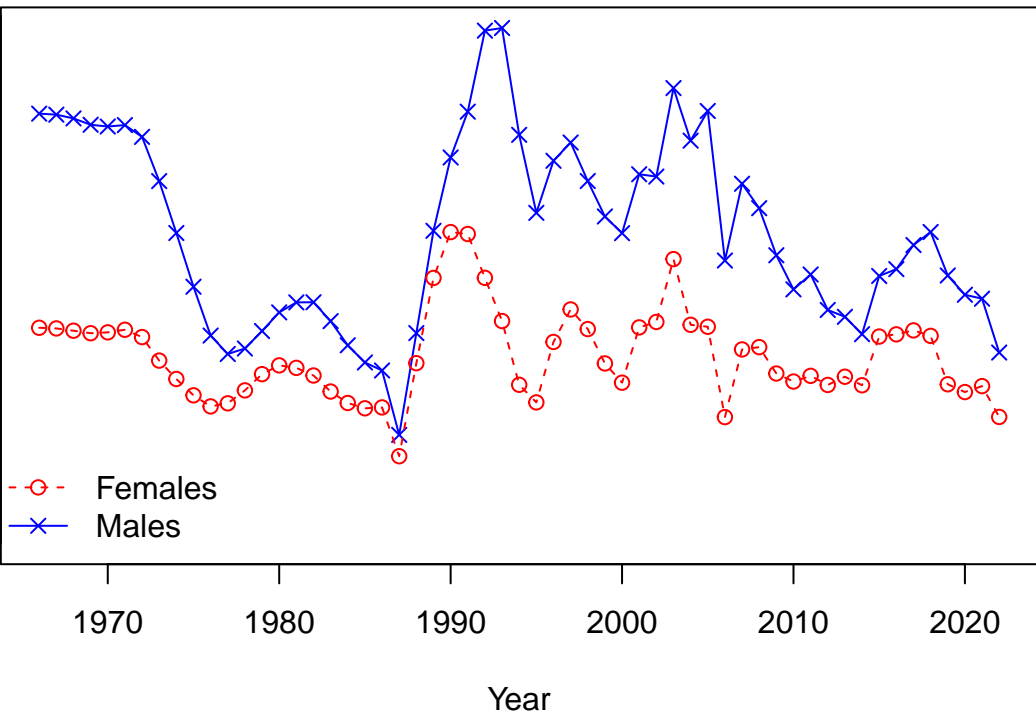


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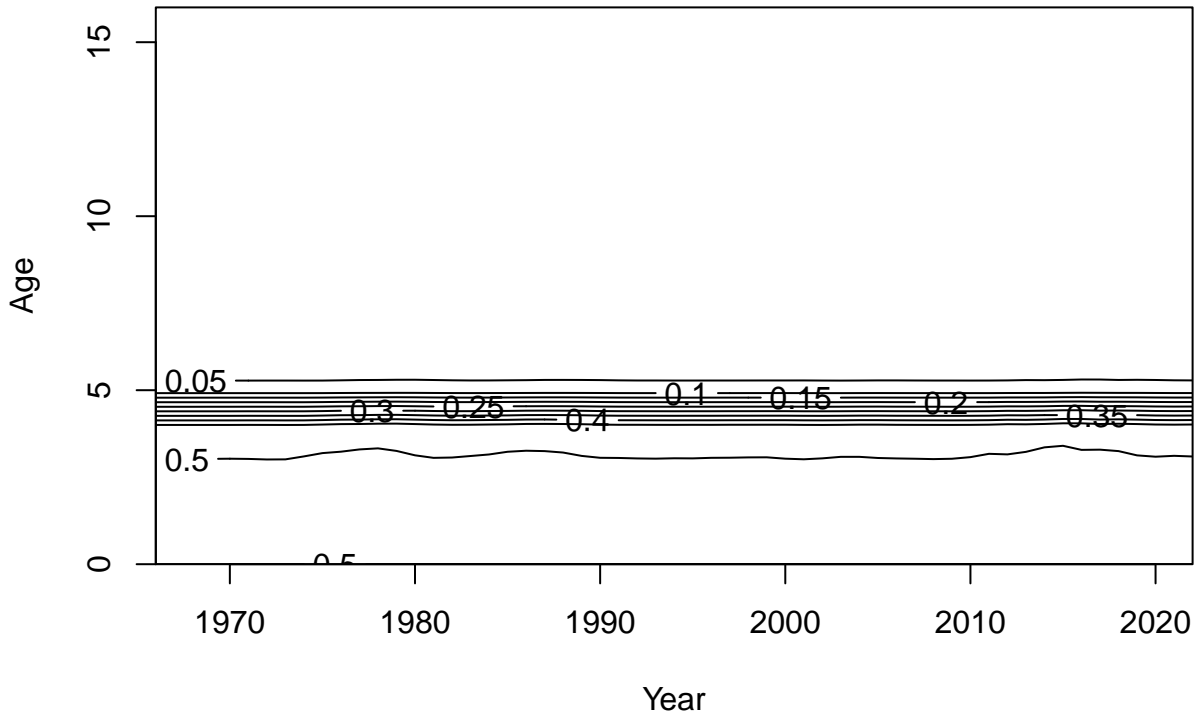


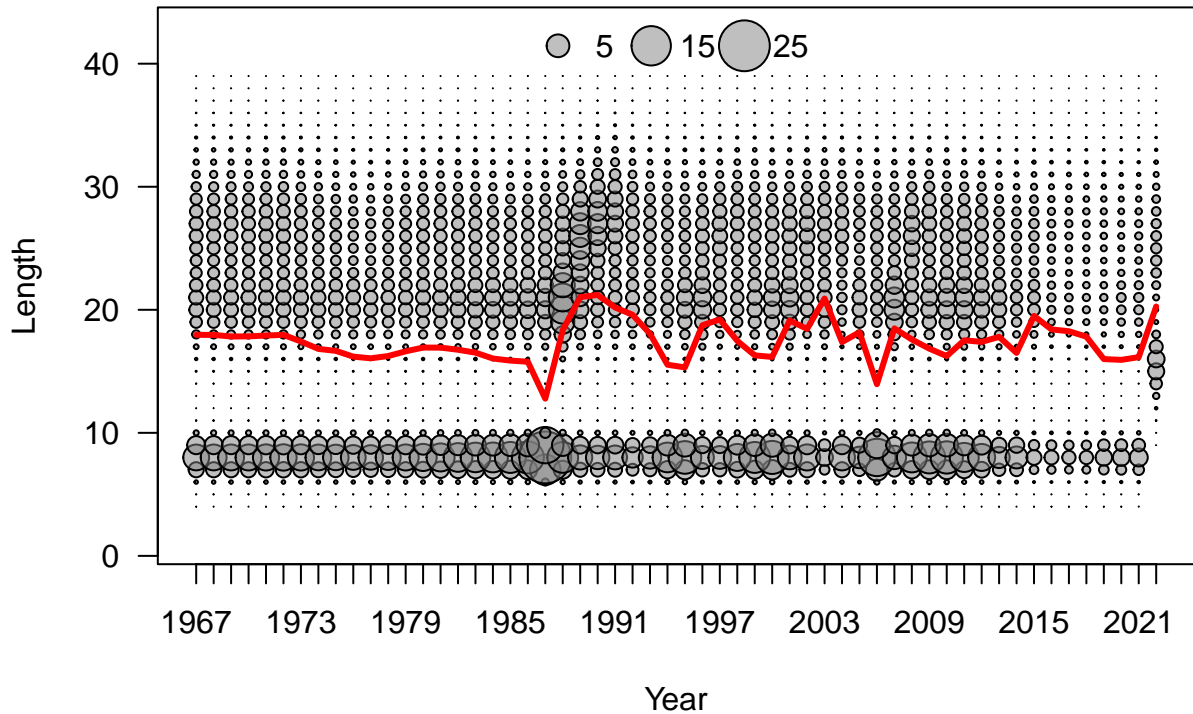


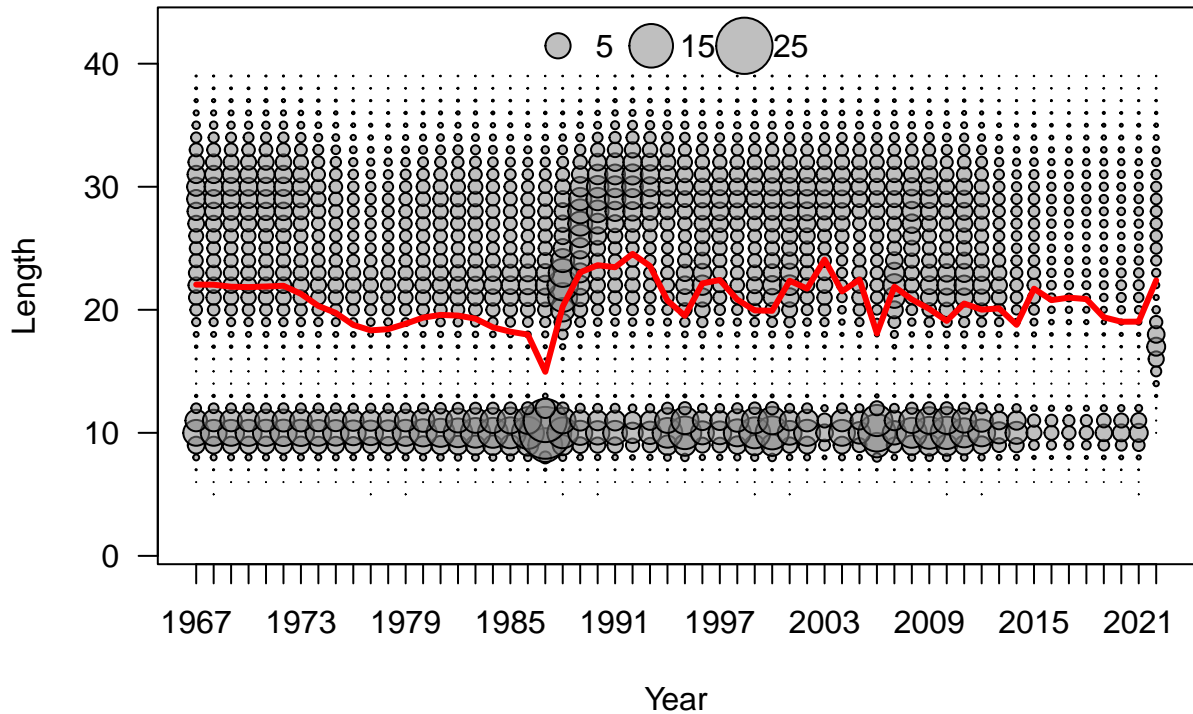
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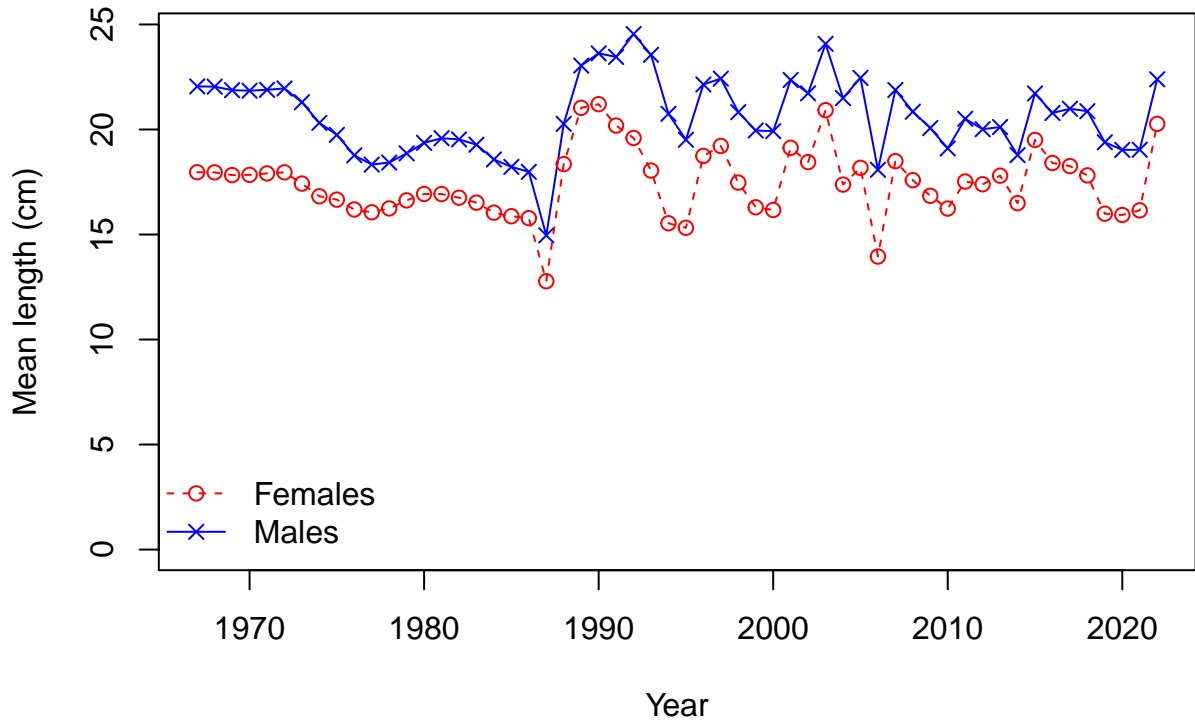


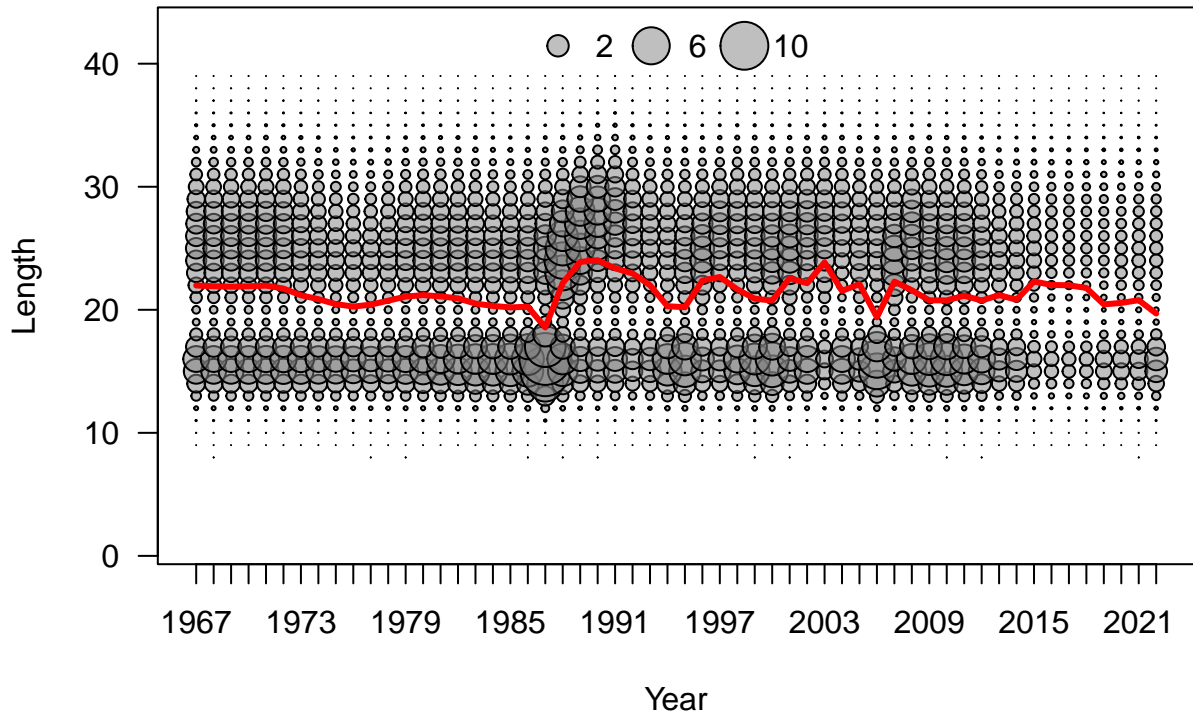


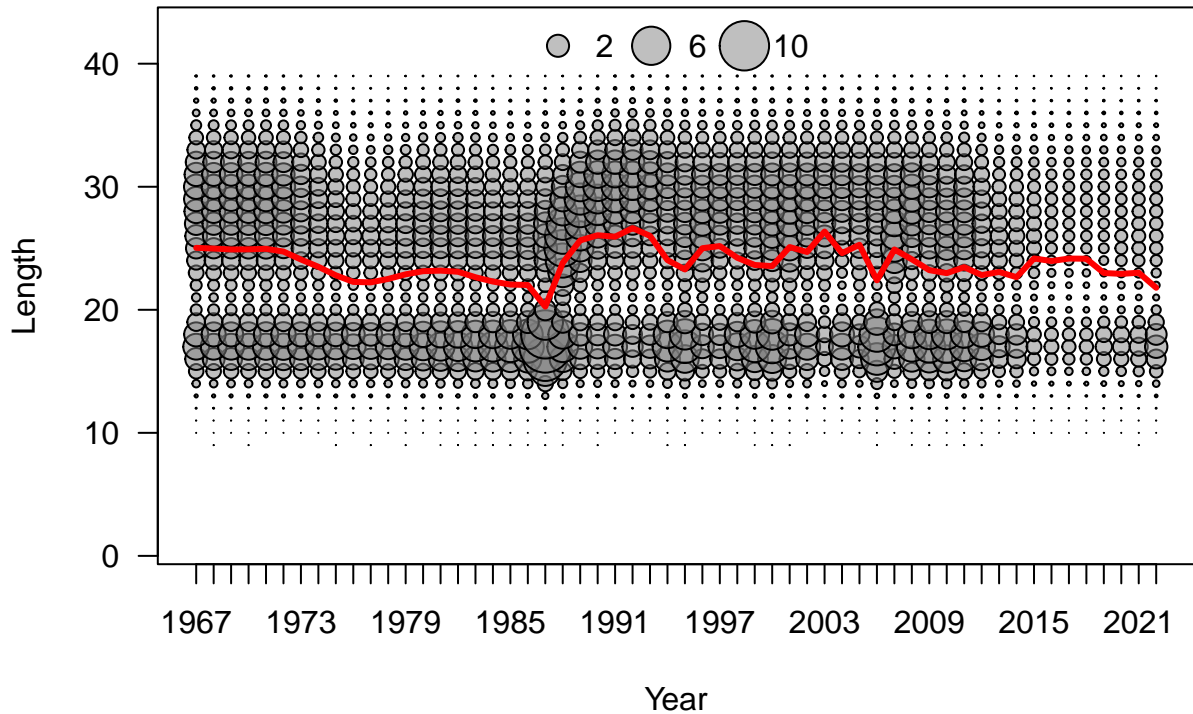


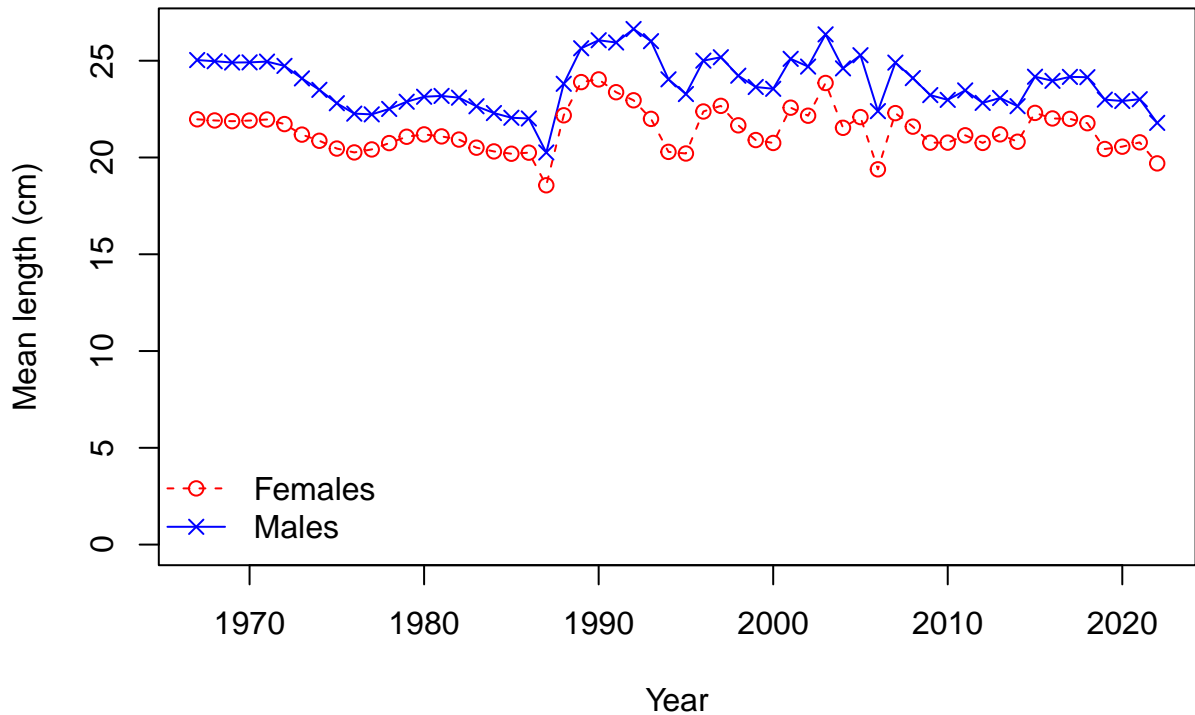


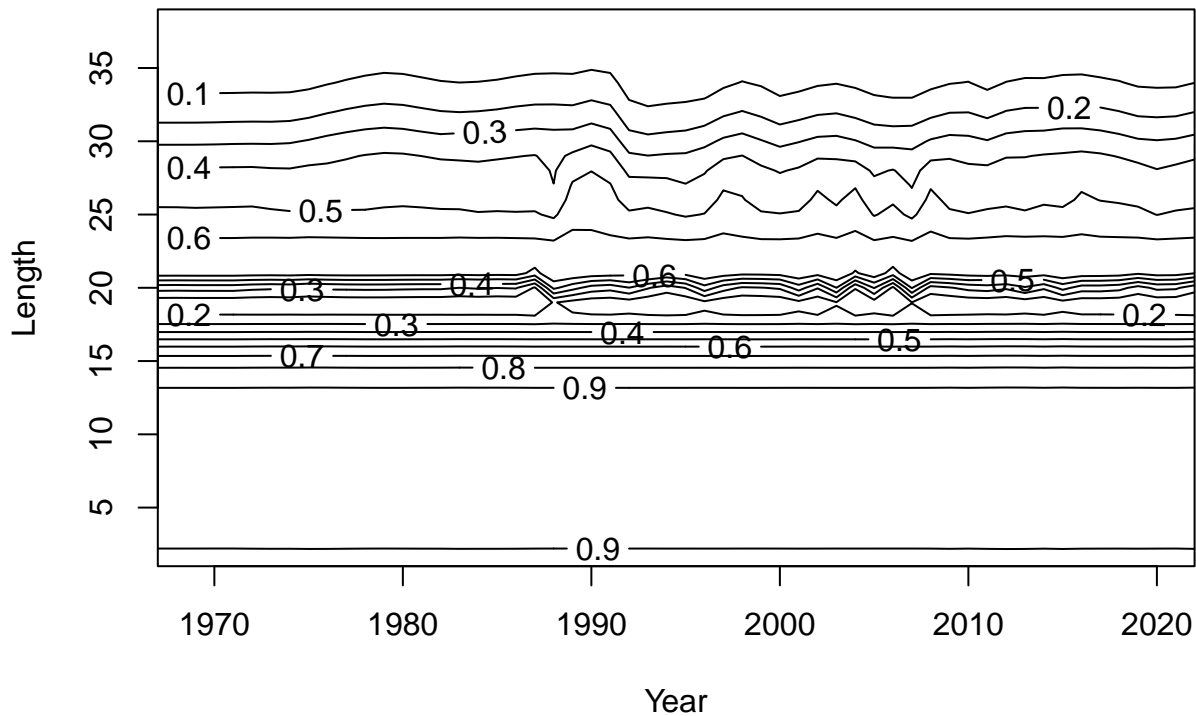




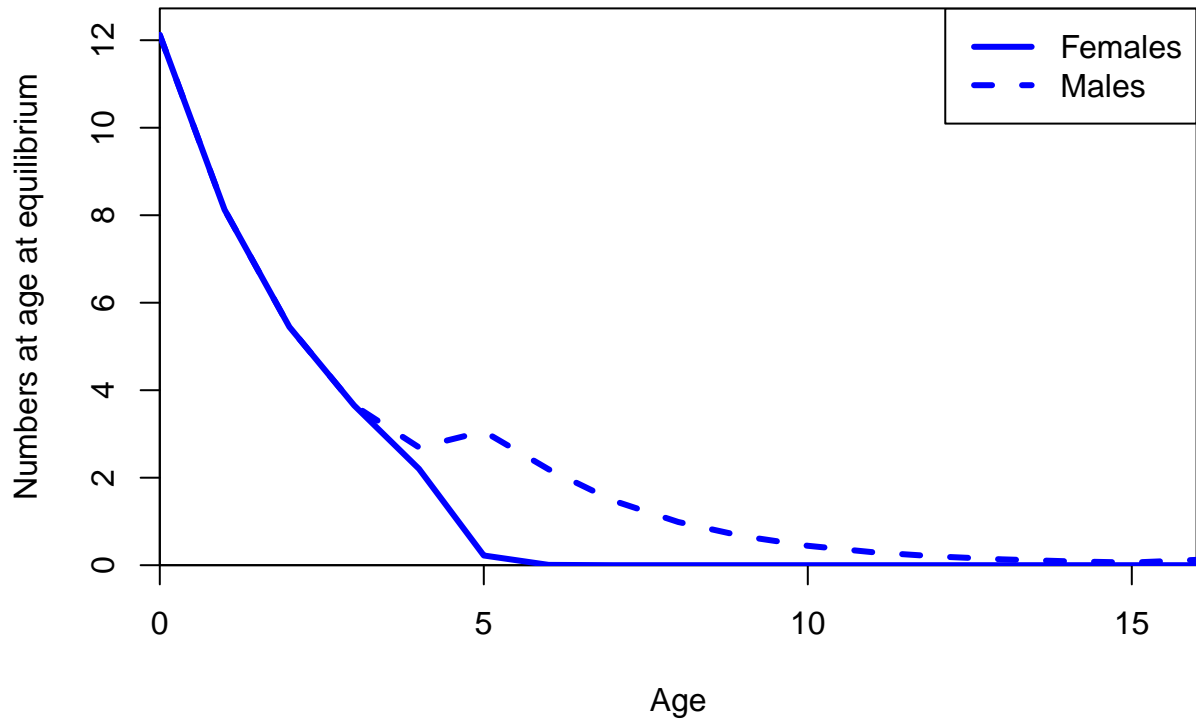


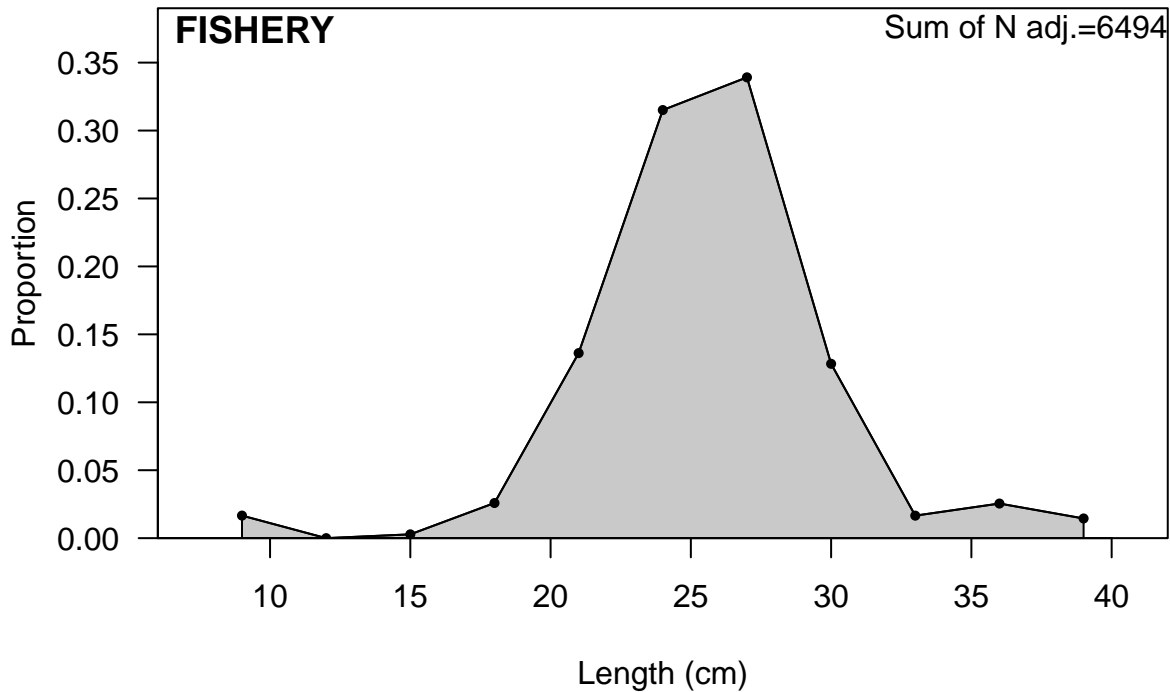


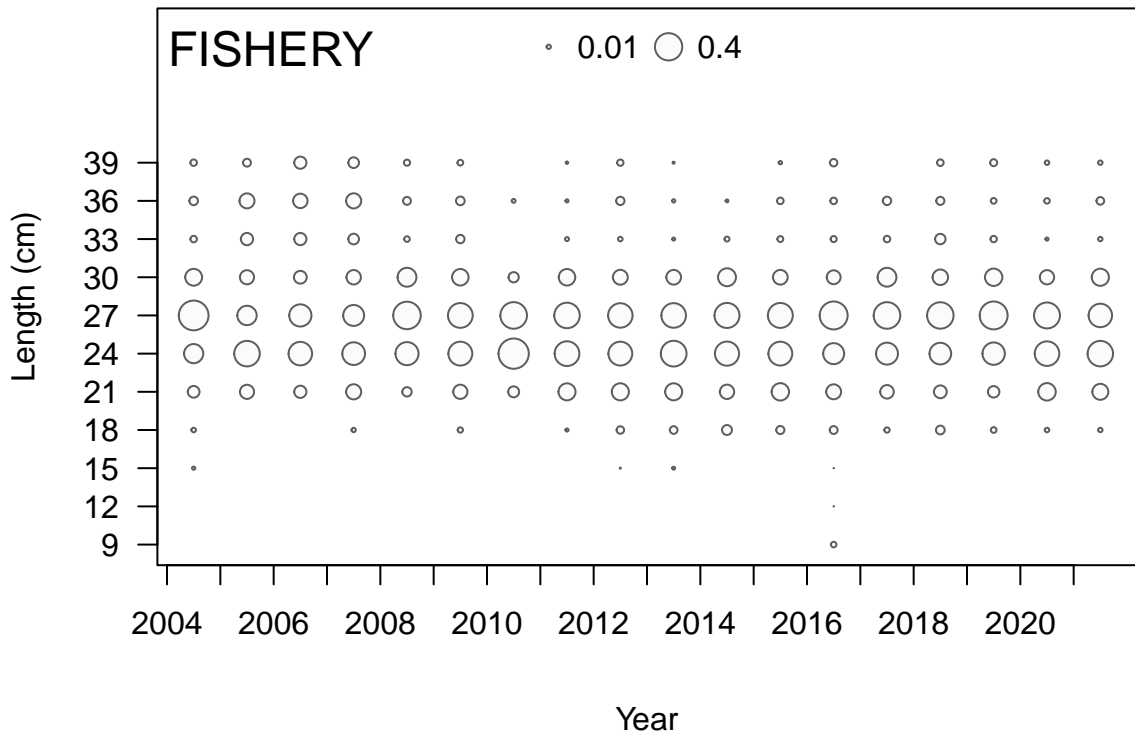




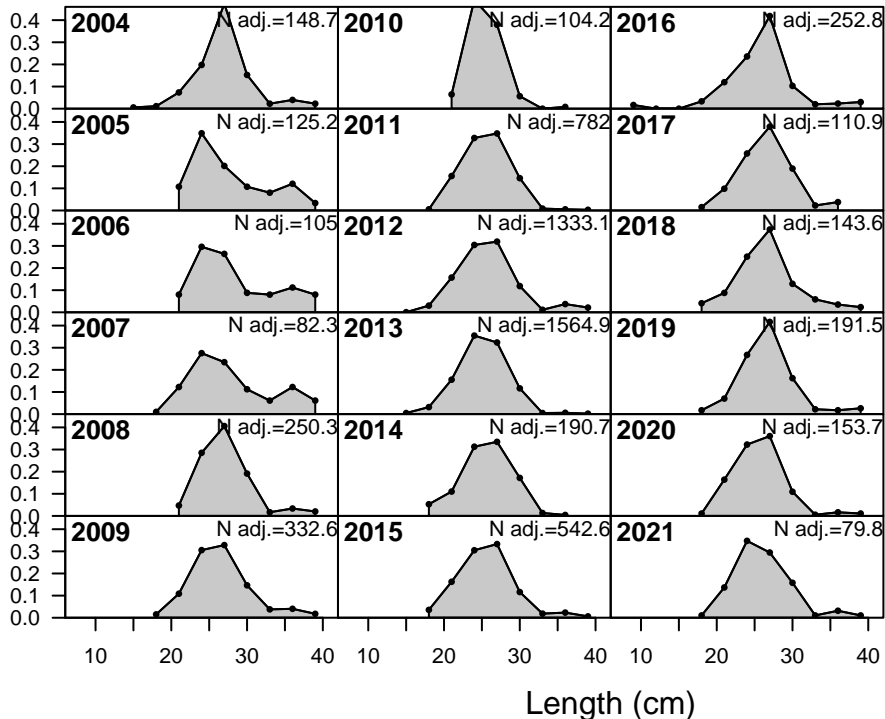


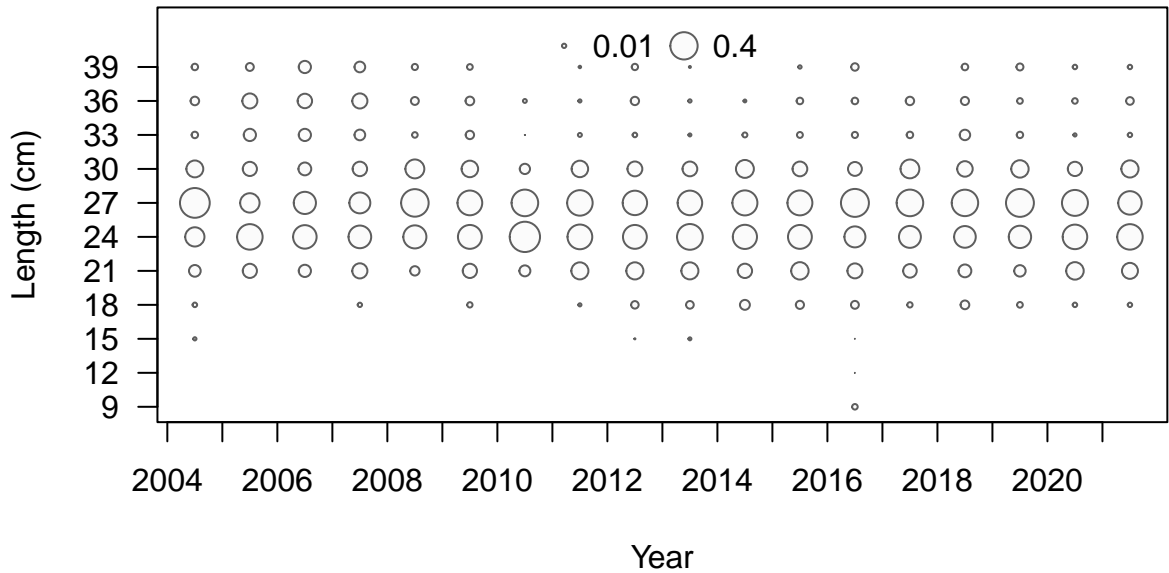




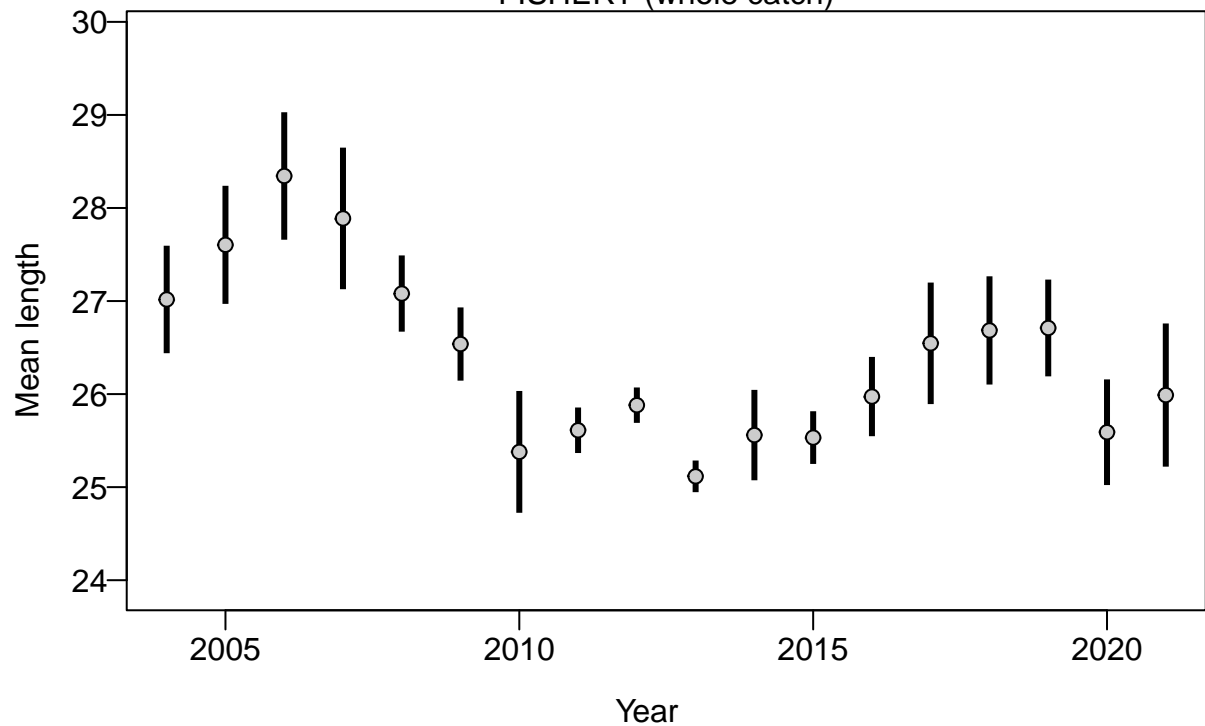


Proportion



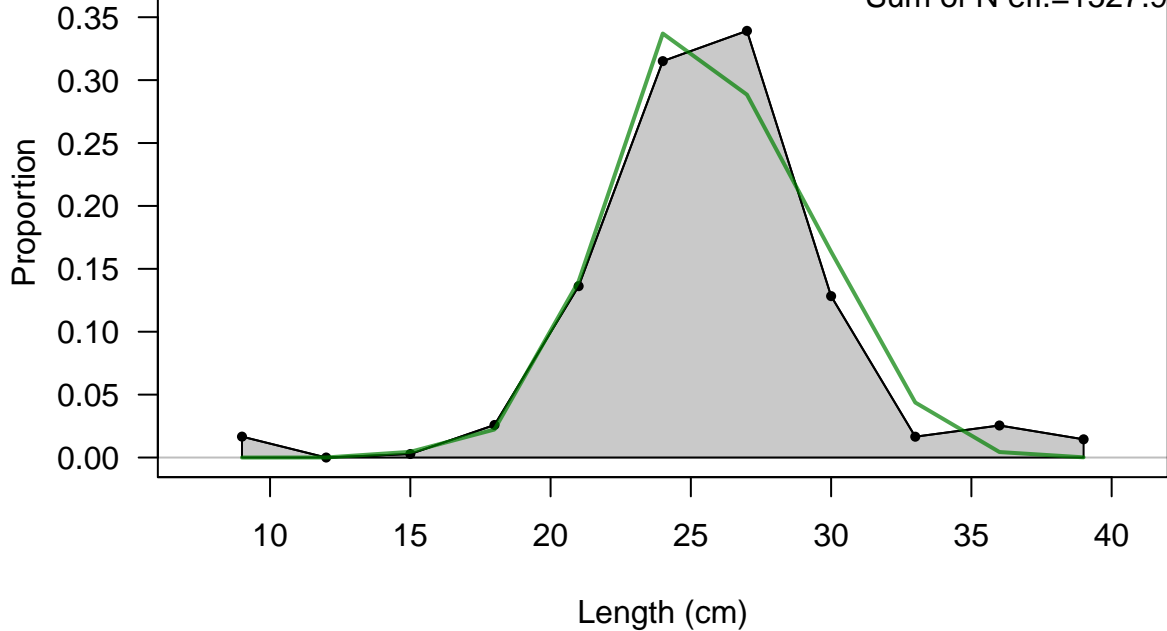


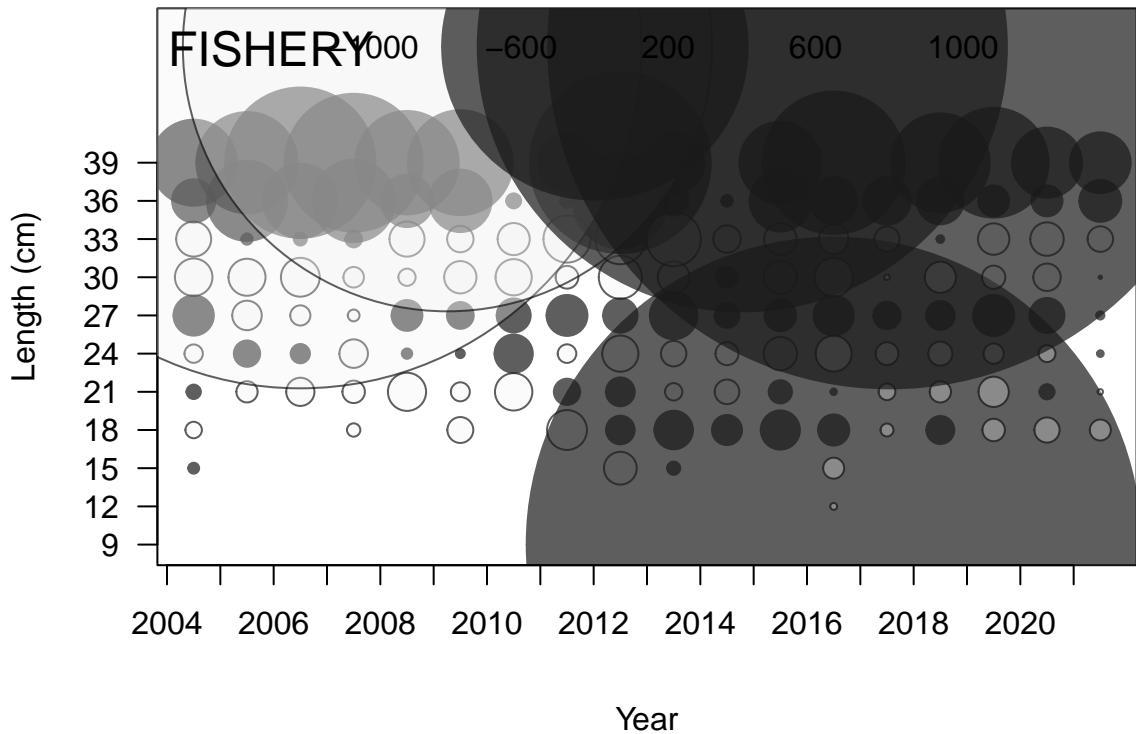
FISHERY (whole catch)



# FISHERY

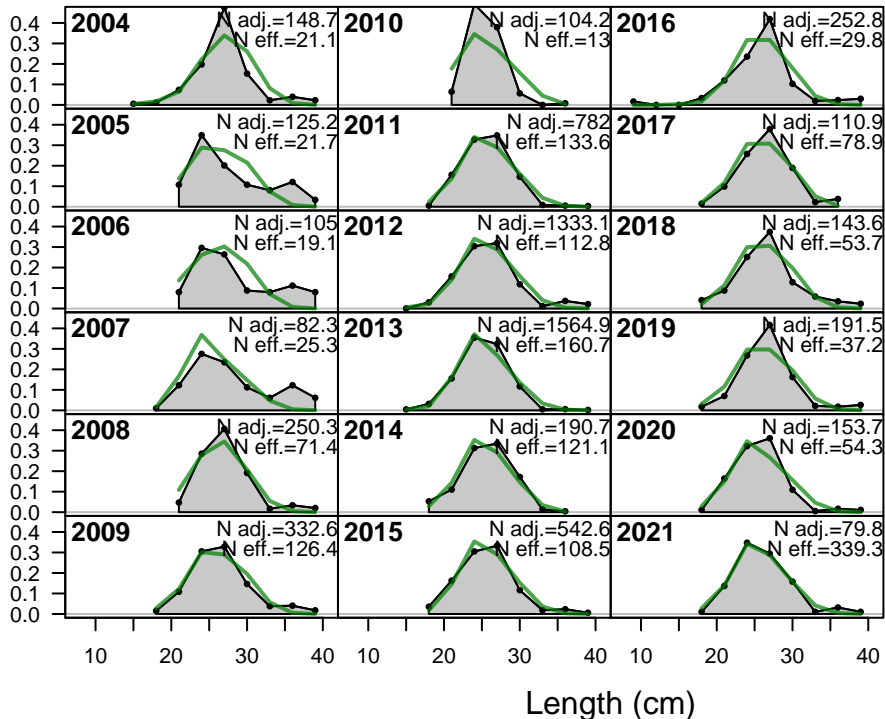
Sum of N adj.=6494  
Sum of N eff.=1527.9

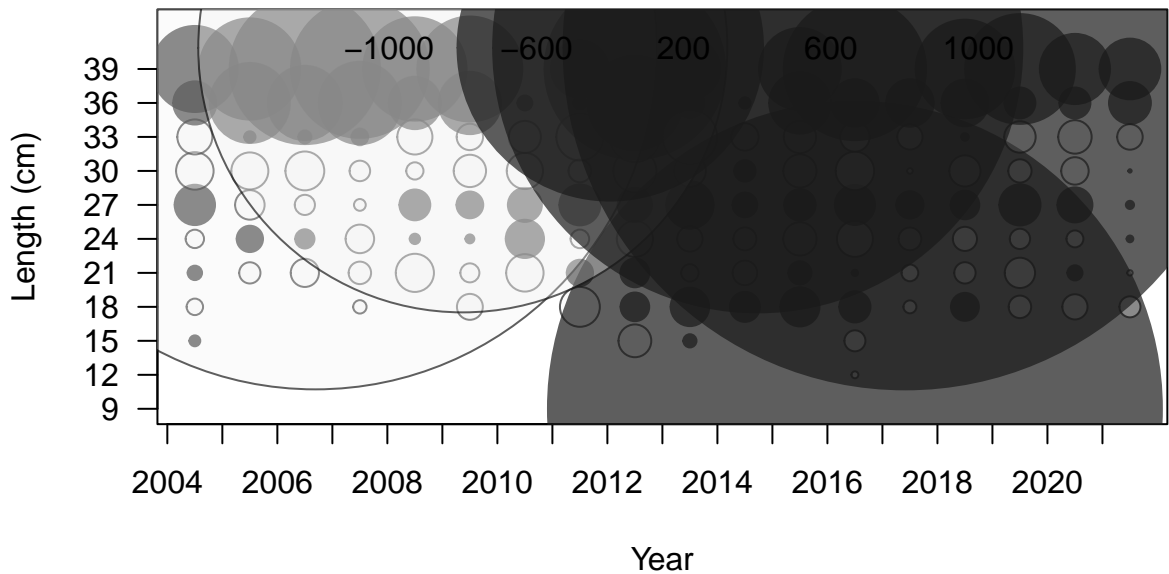




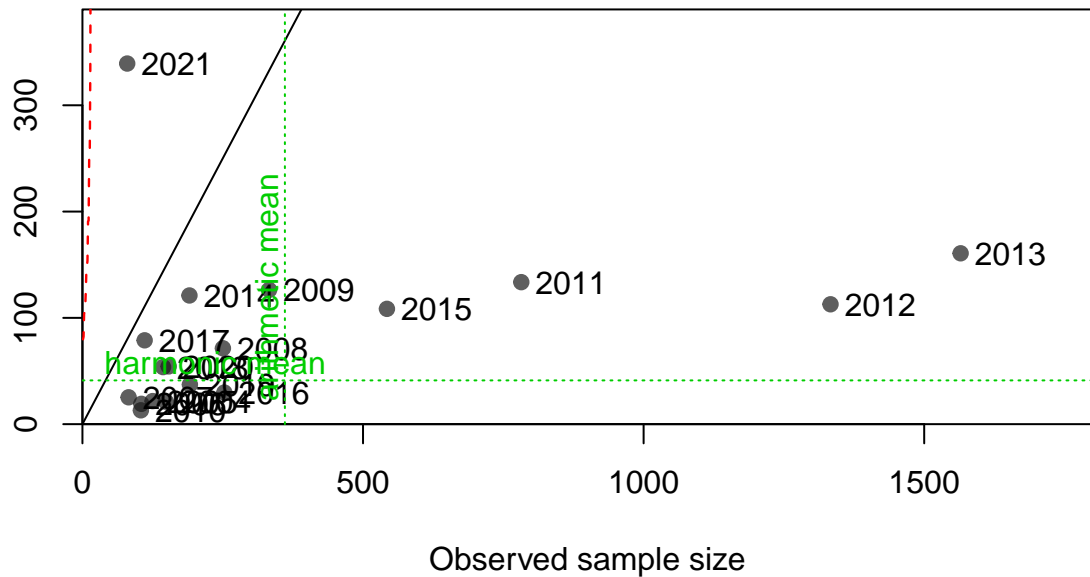


Proportion

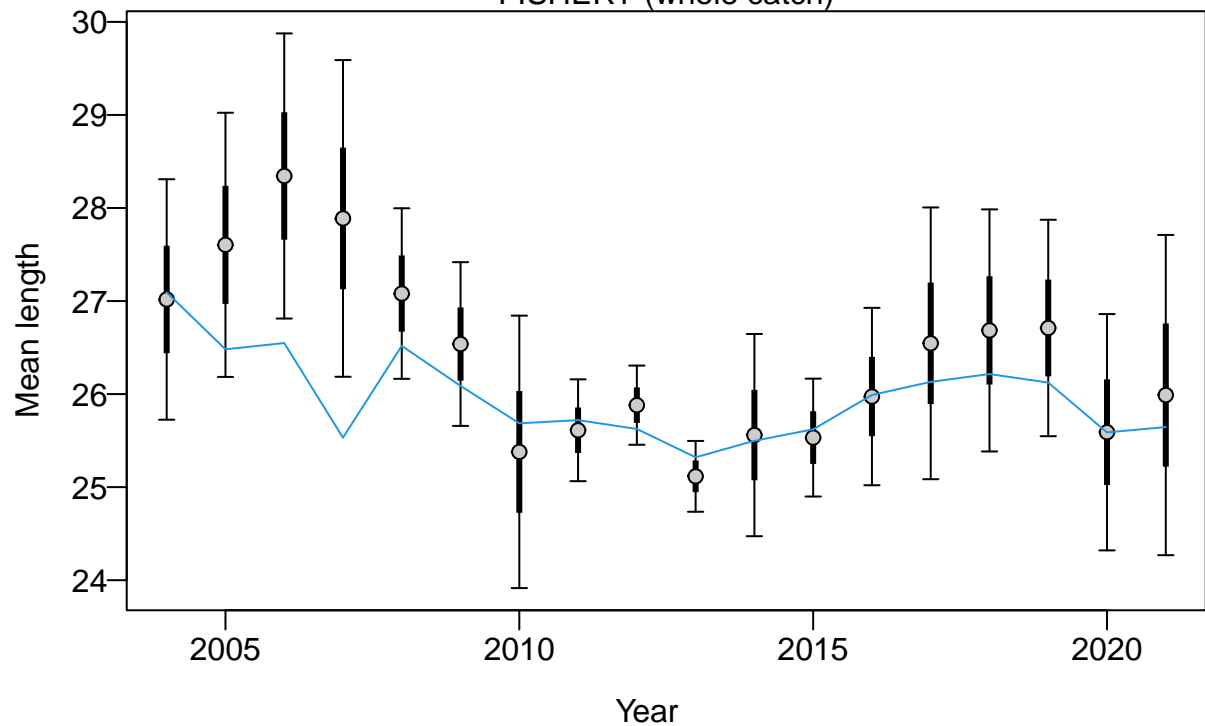


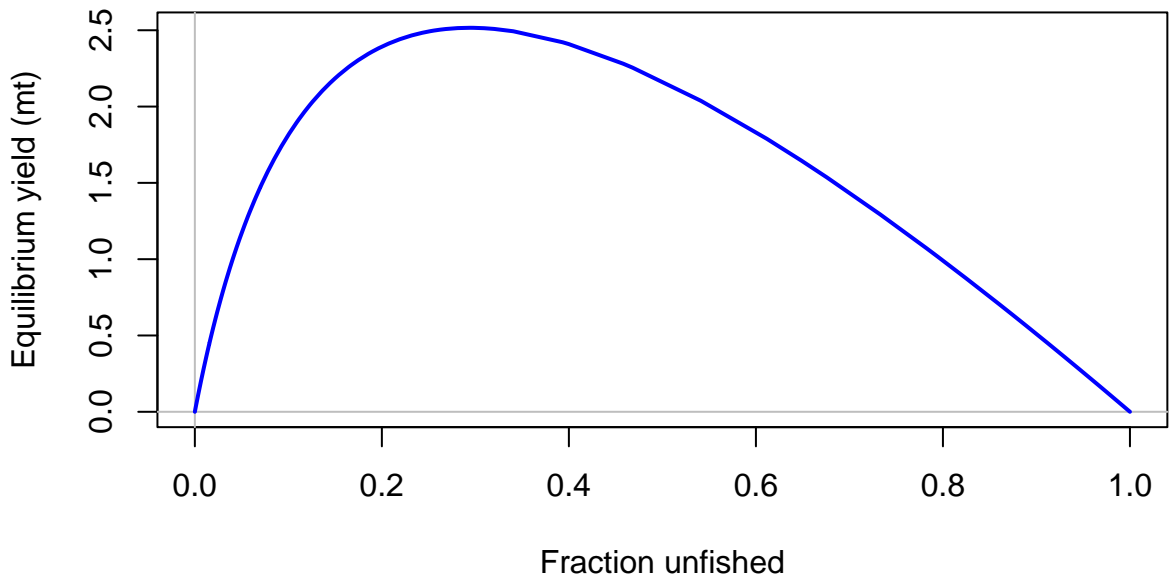


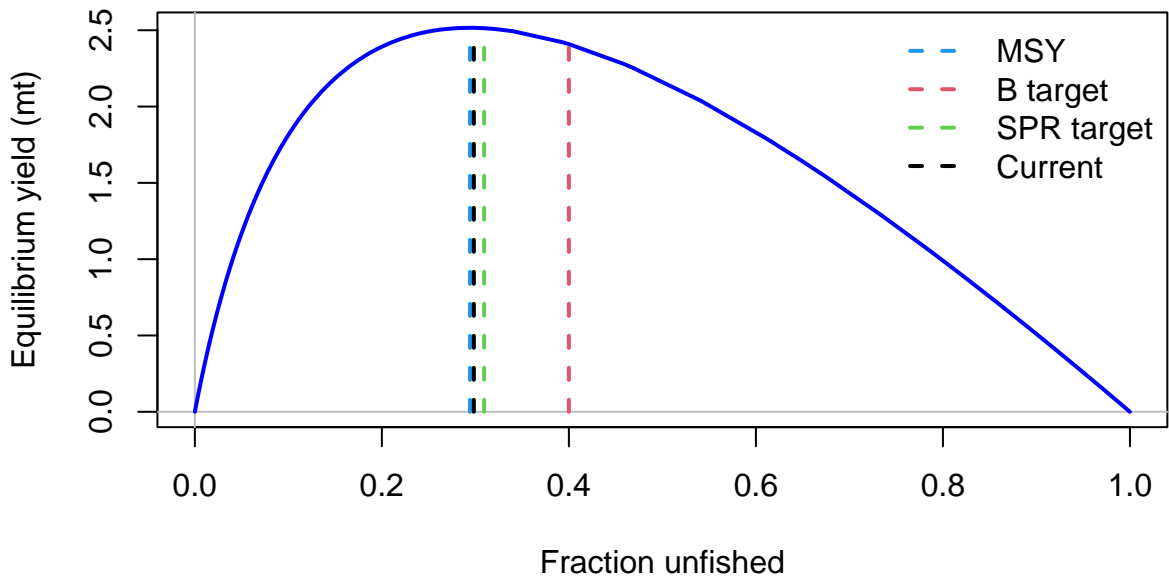
Effective sample size

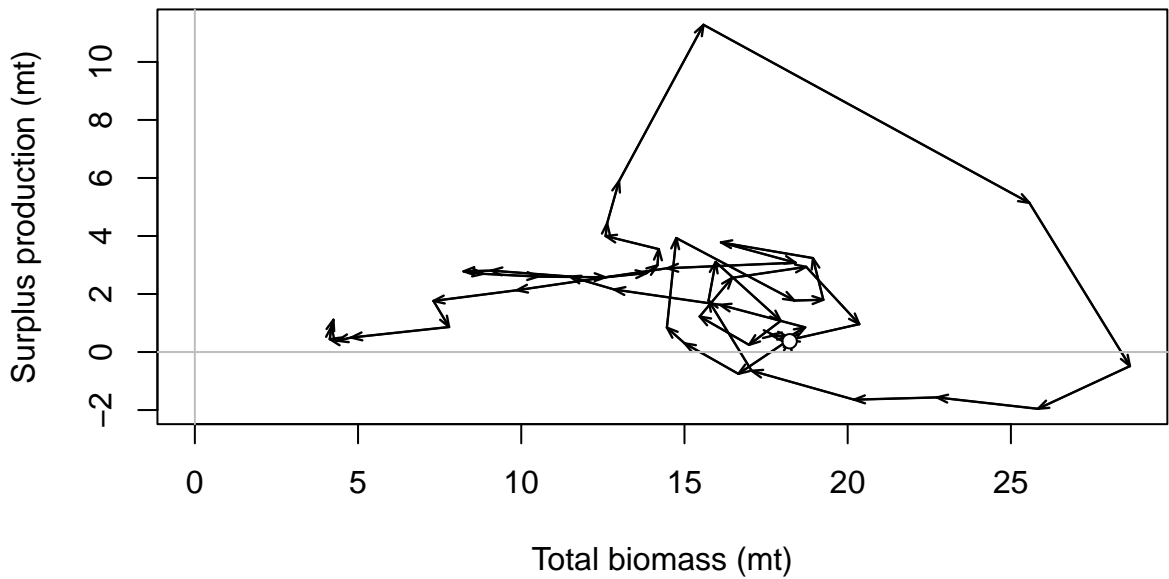


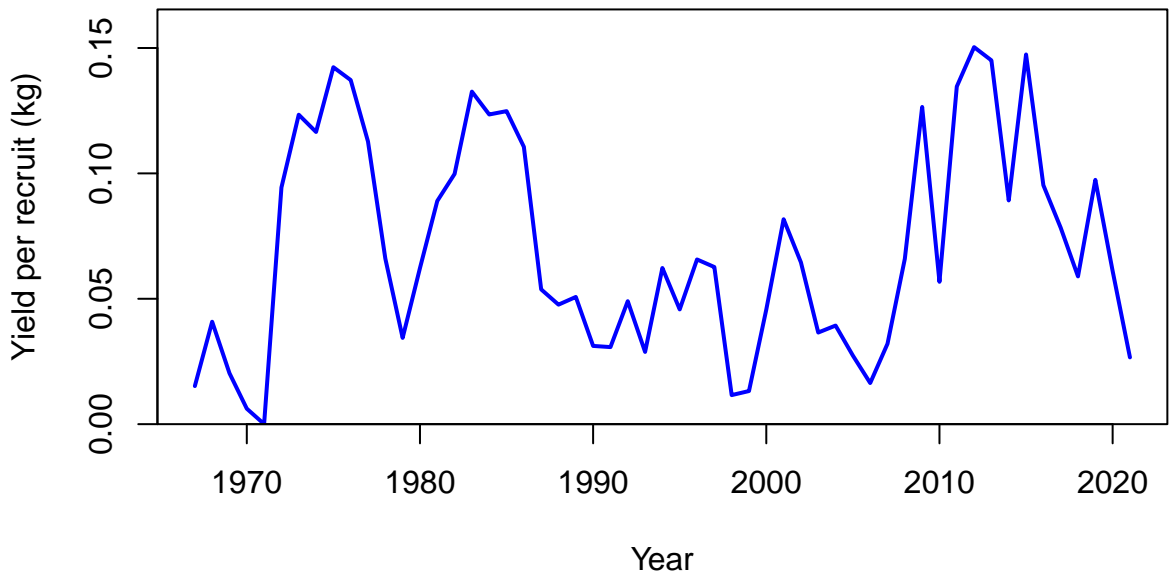
FISHERY (whole catch)



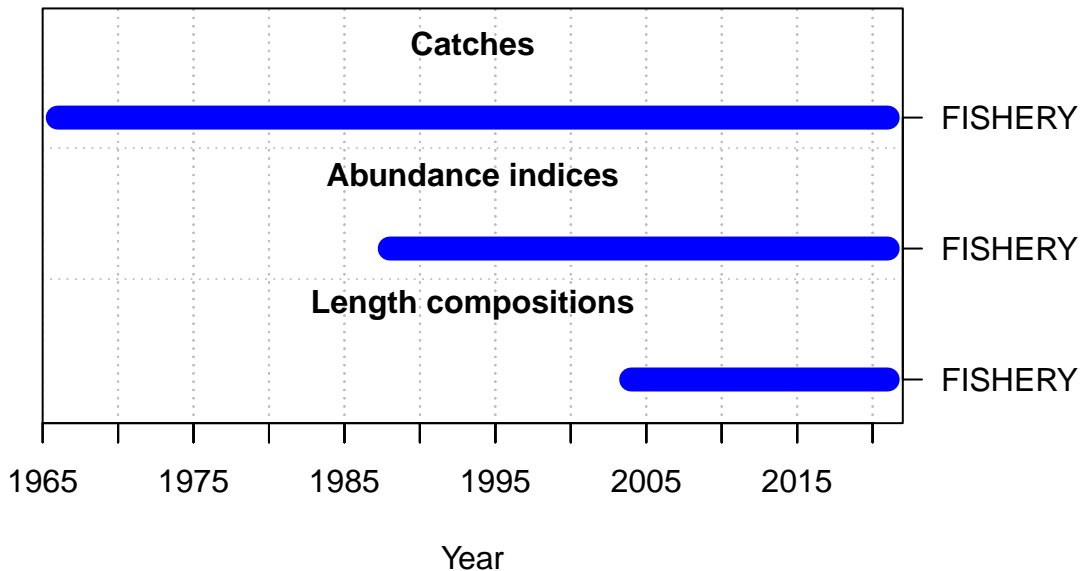


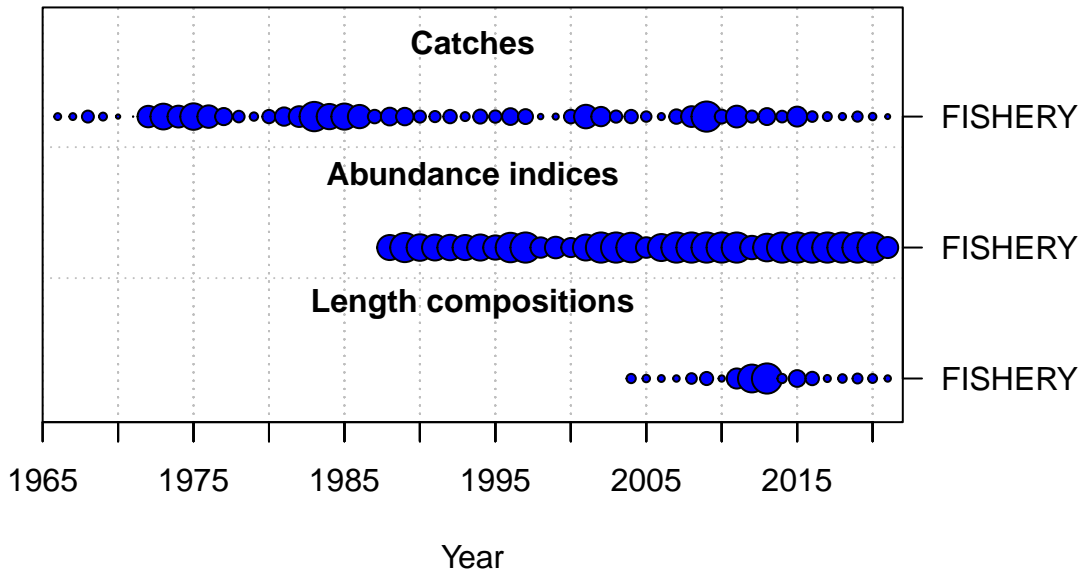






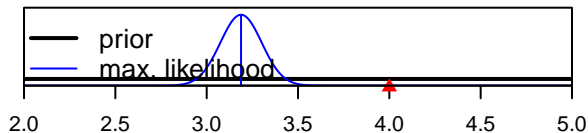




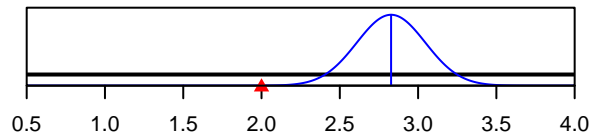


Density

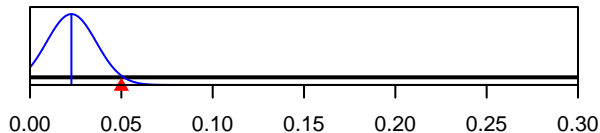
SR\_LN(R0)



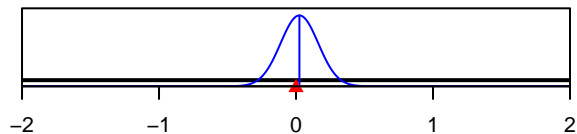
Size\_95%width\_FISHERY(1)



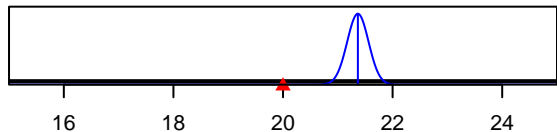
InitF\_seas\_1\_flt\_1FISHERY



LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Parameter value