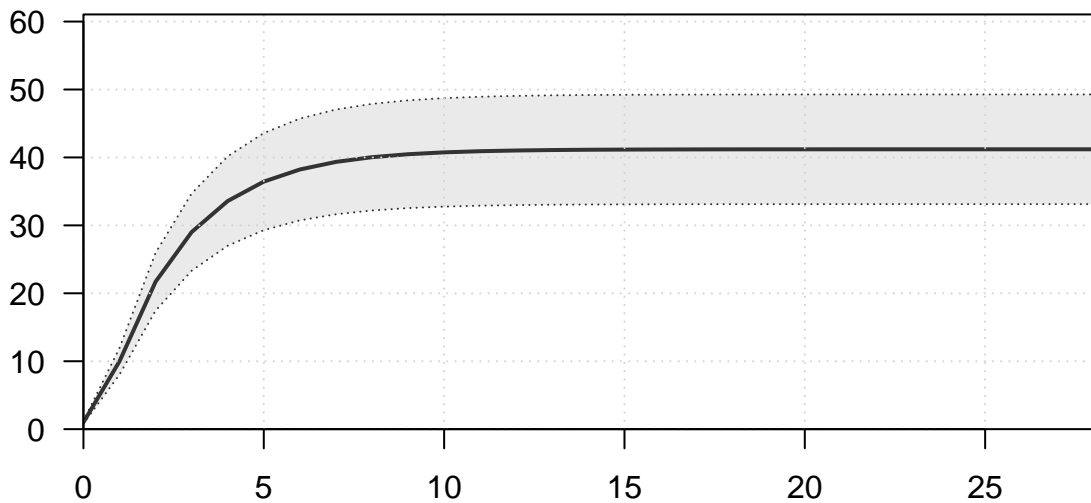
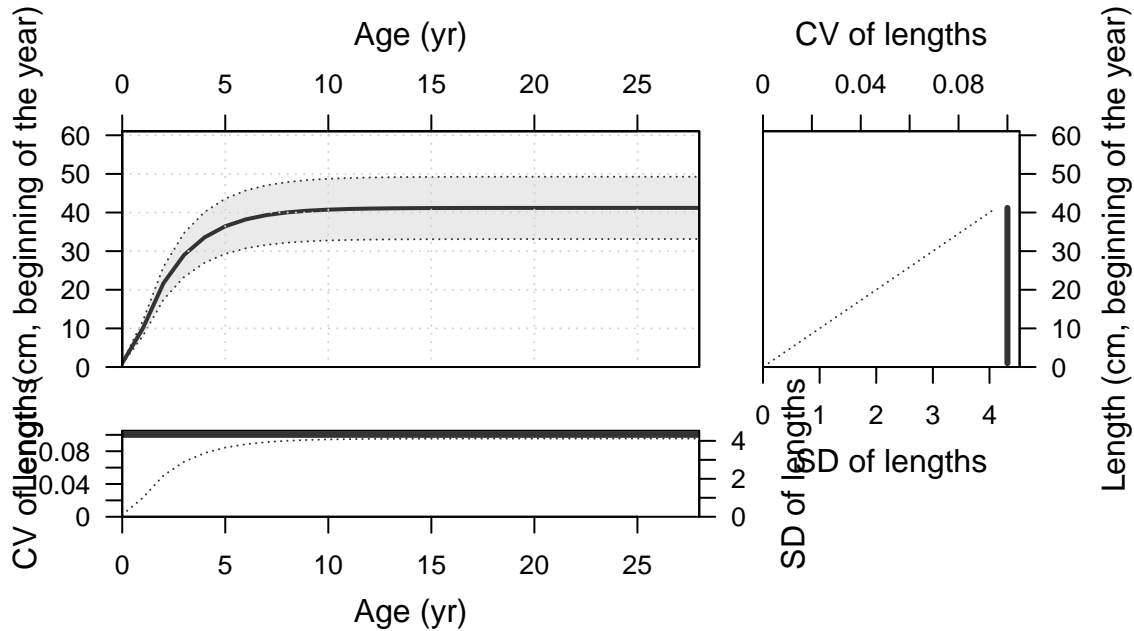


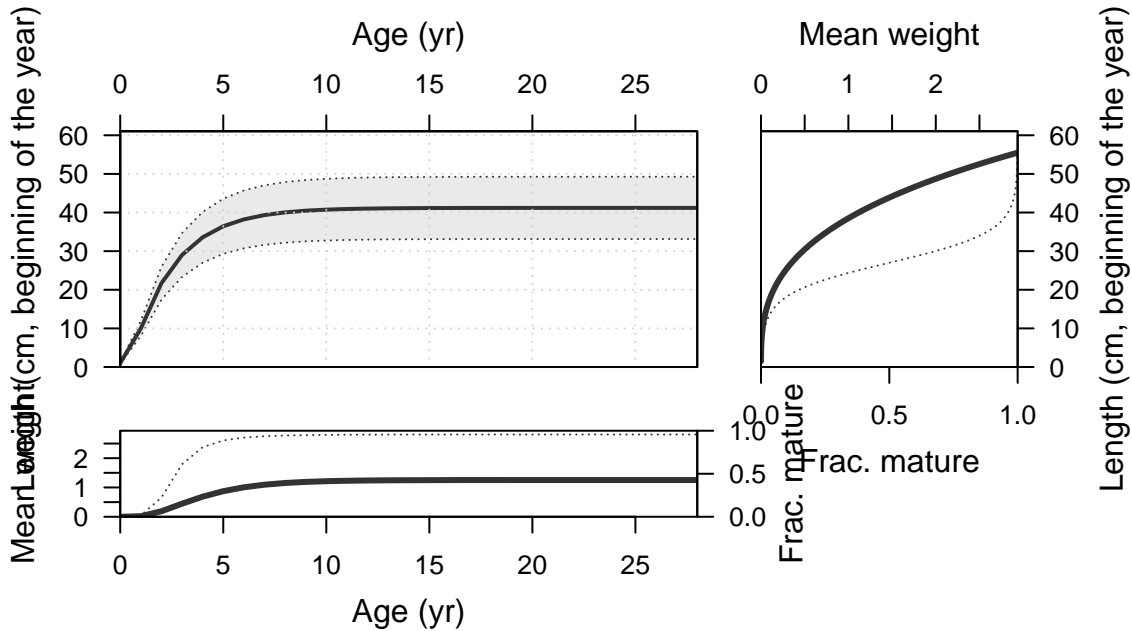
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Wed Jul 13 15:31:41 2022  
Data\_File: data.ss  
Control\_File: control.ss

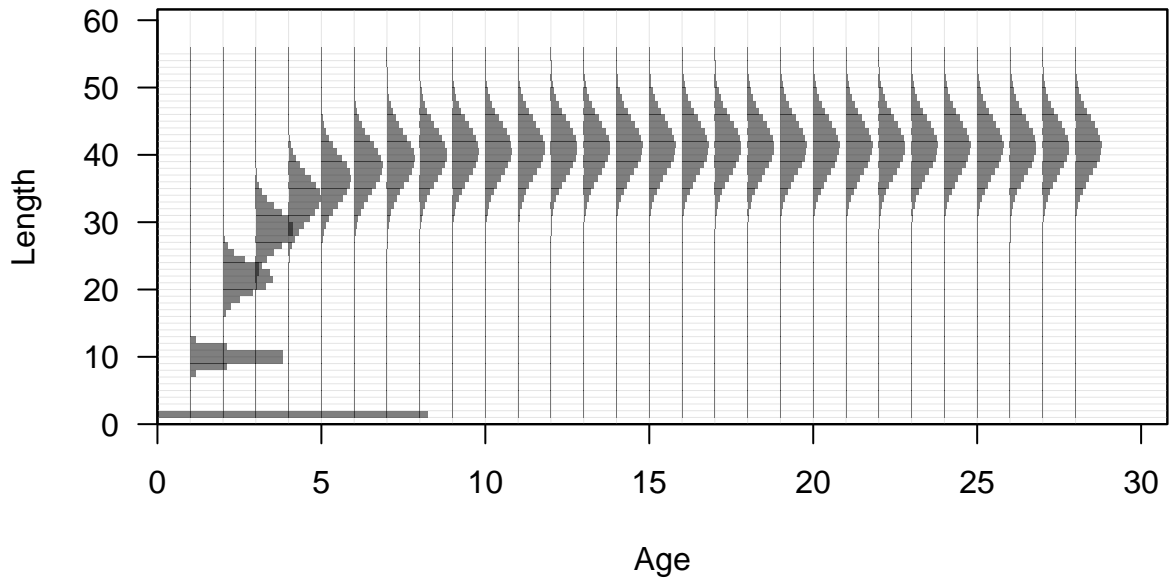
Length (cm, beginning of the year)

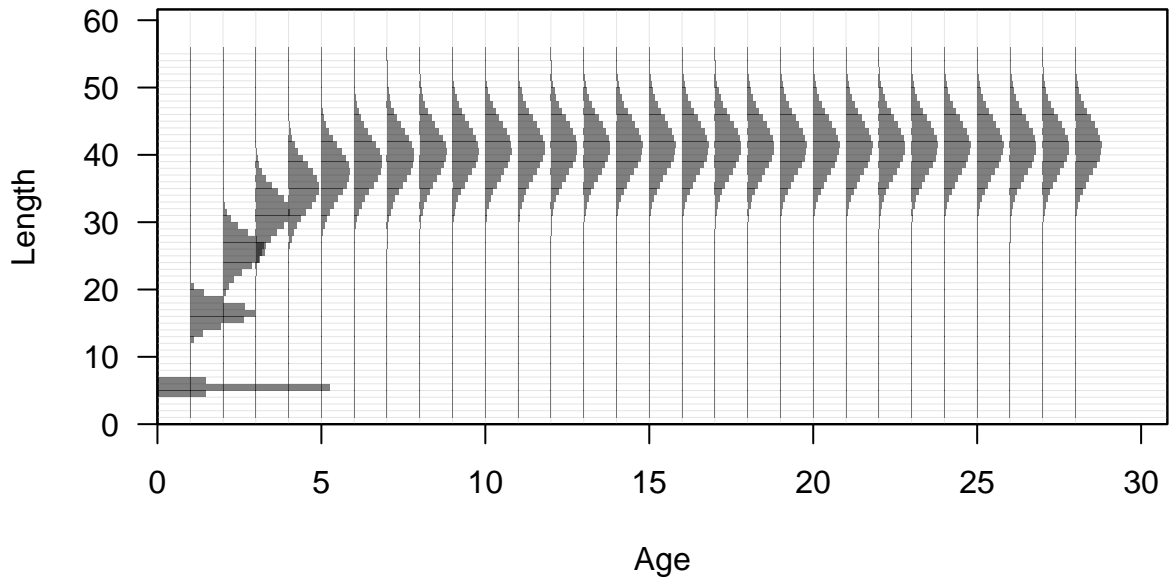


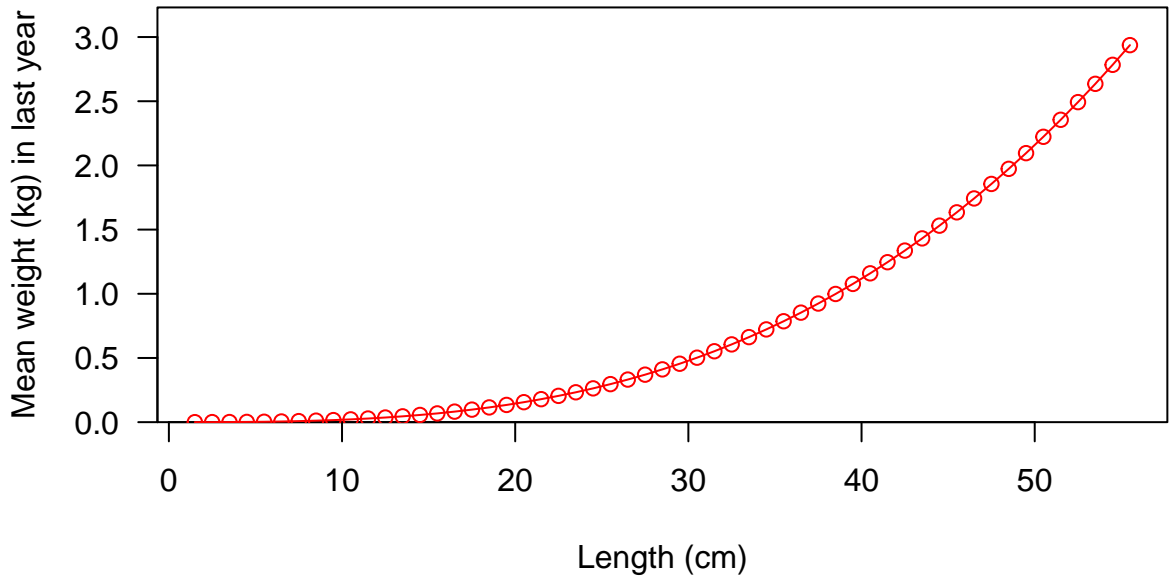
Age (yr)

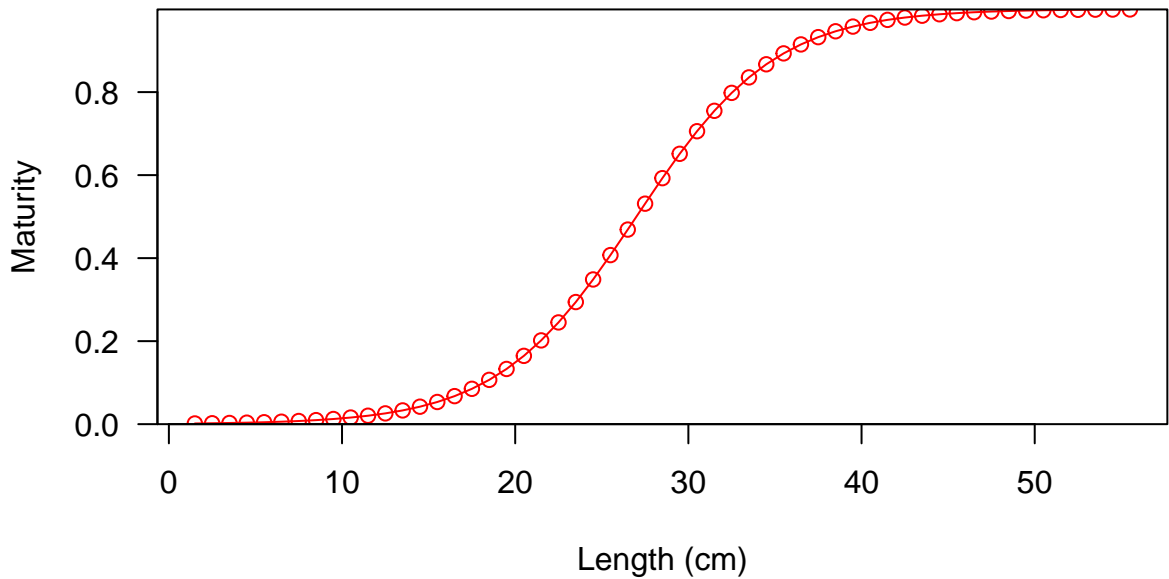




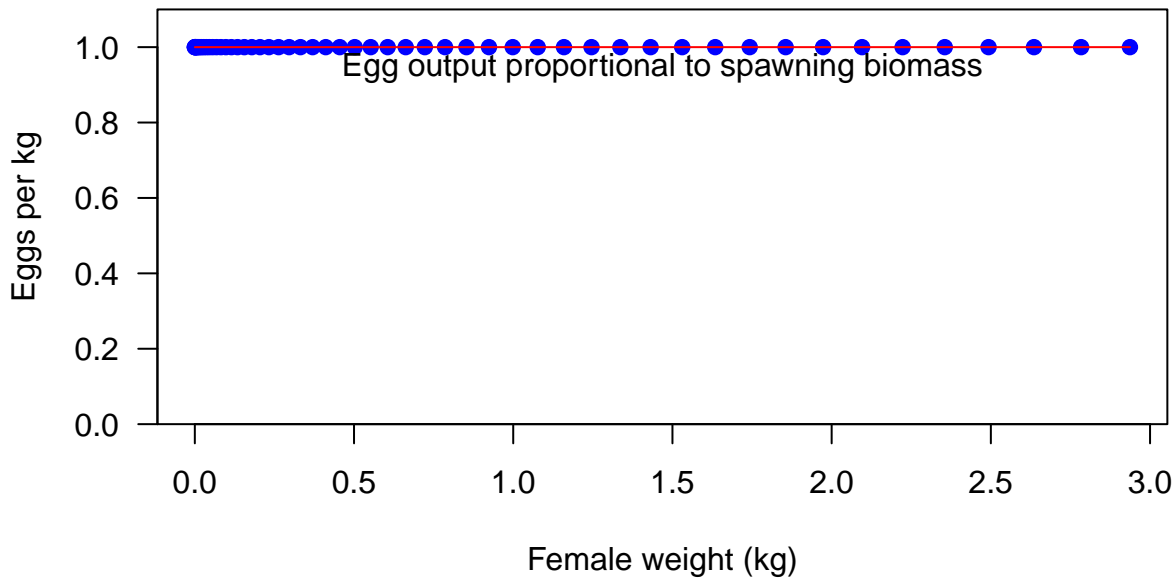


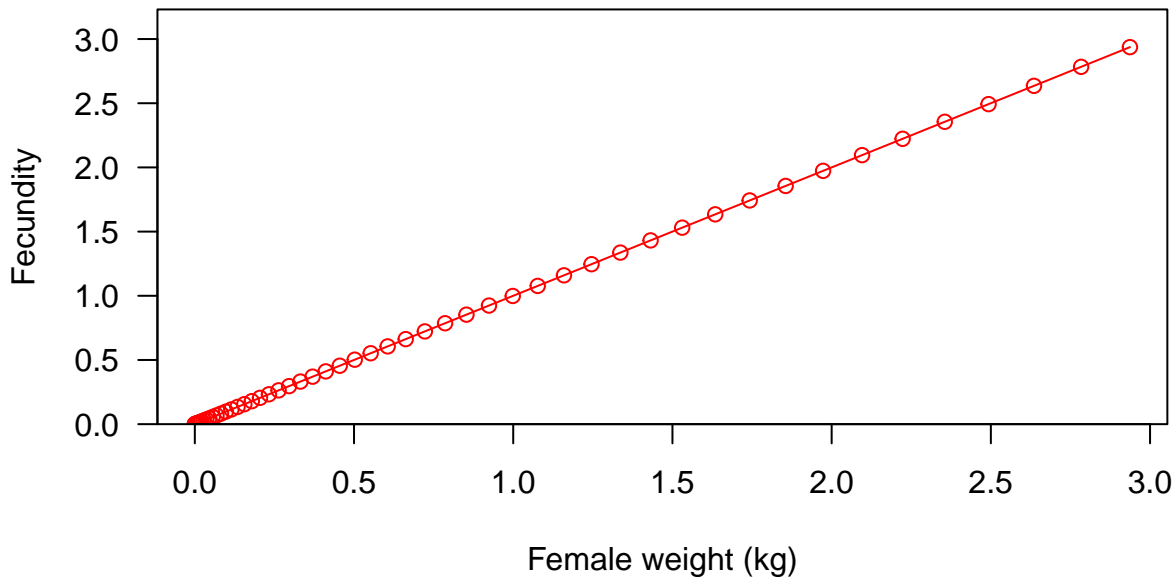


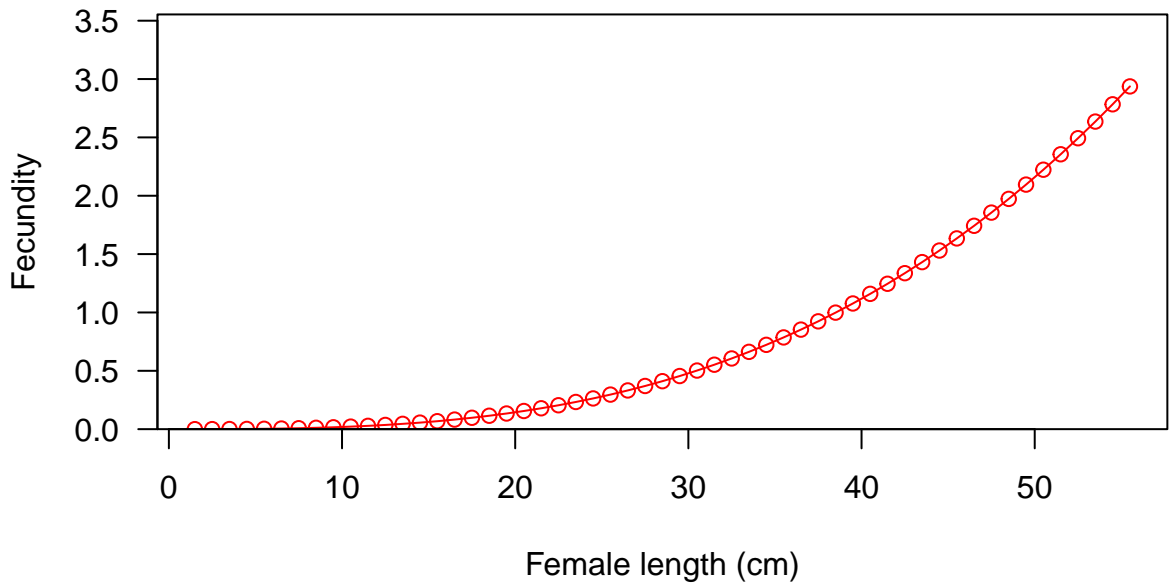


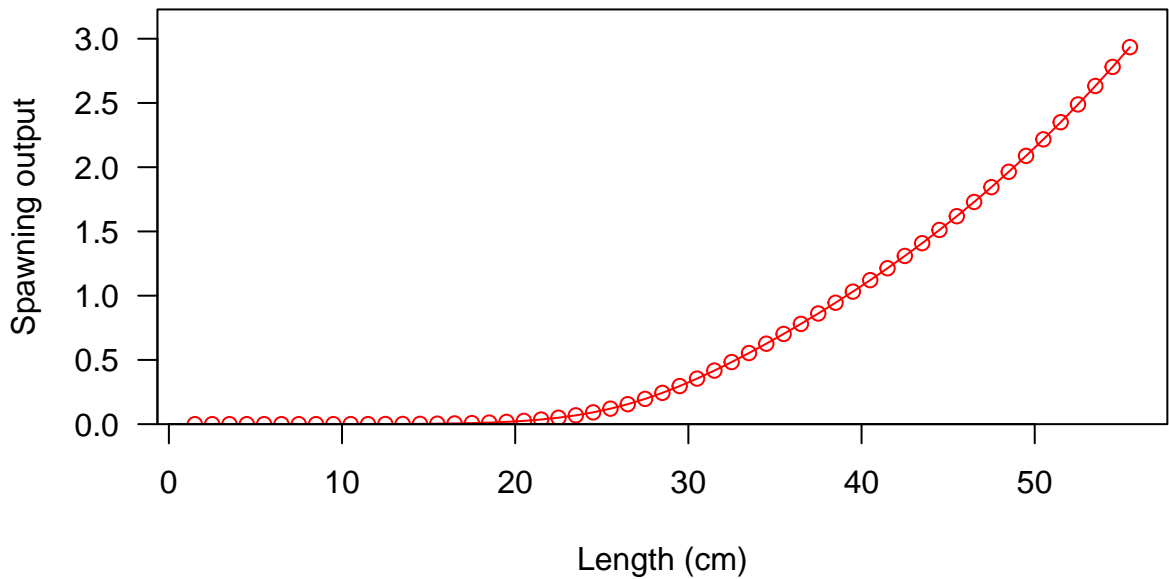


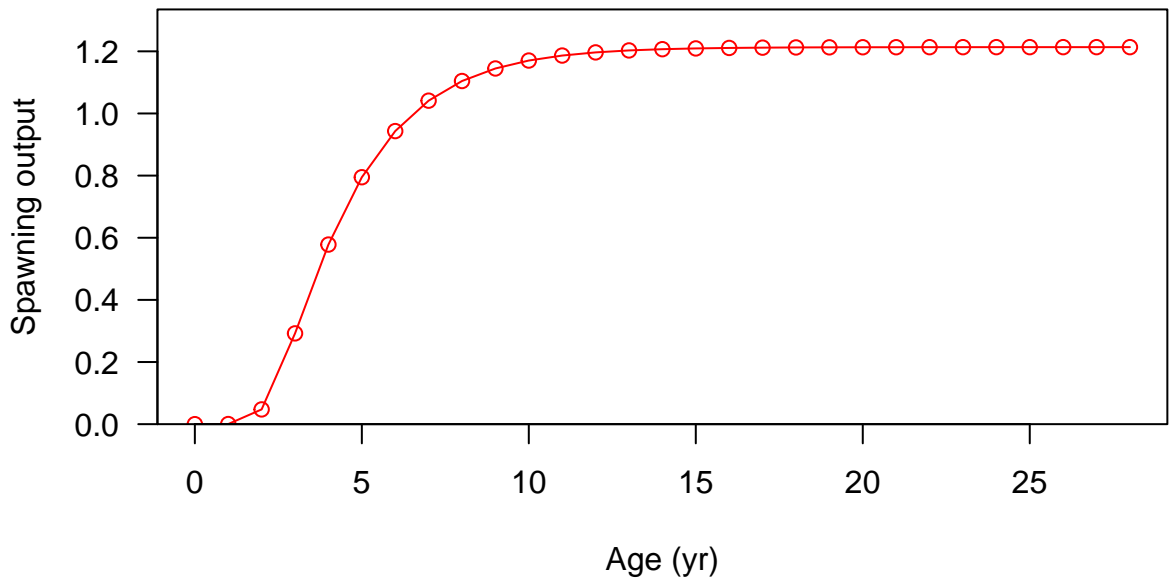




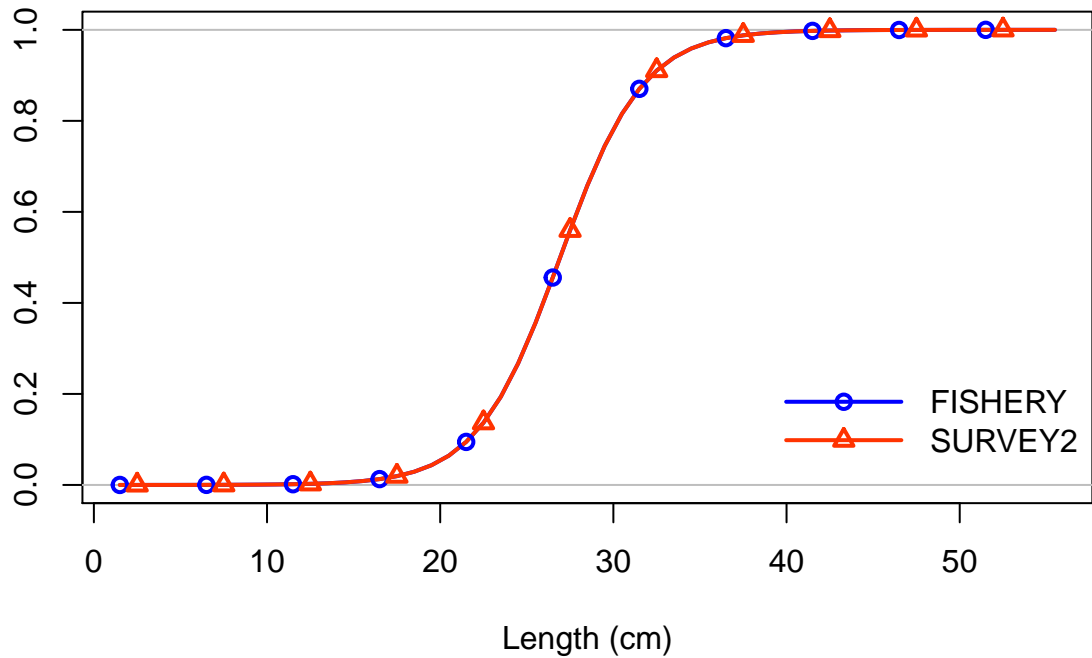




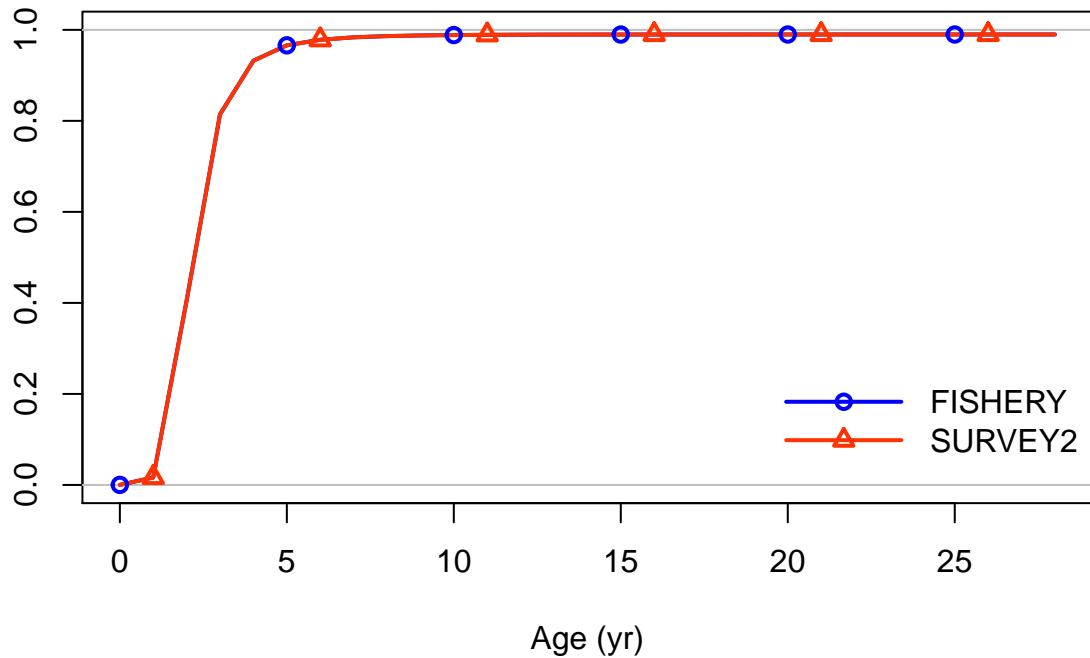




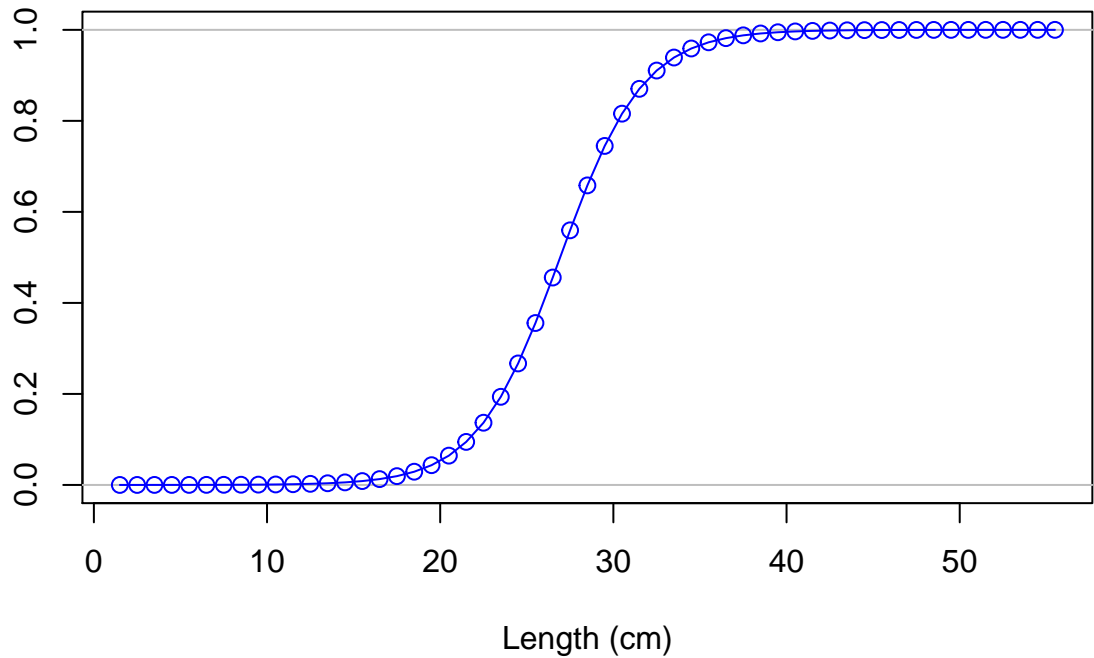
Selectivity



Selectivity

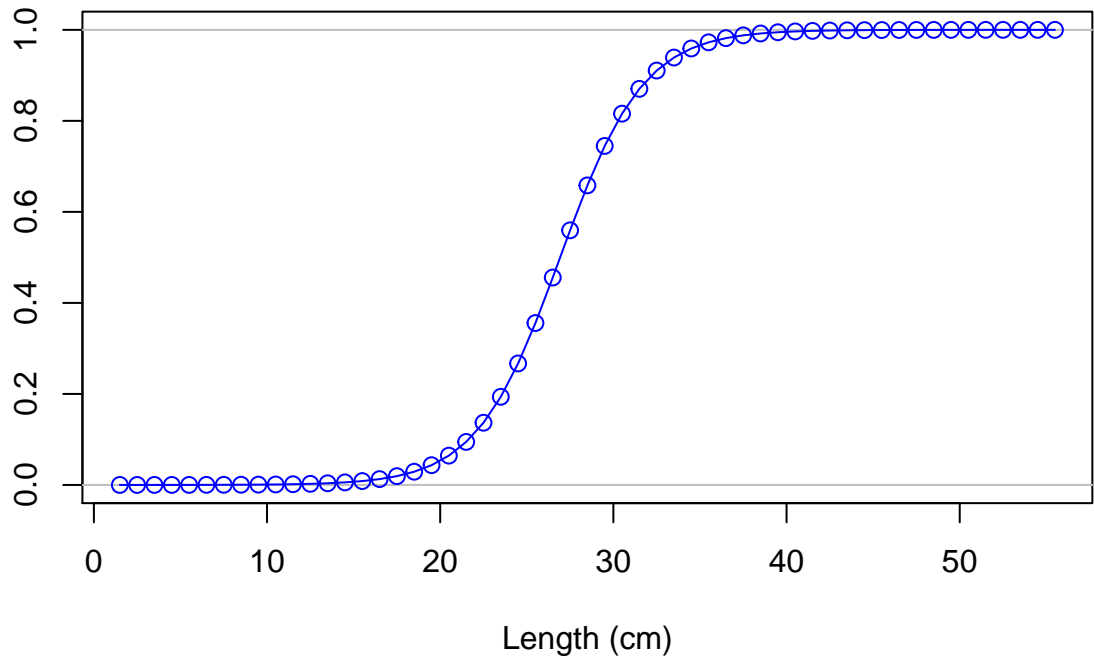


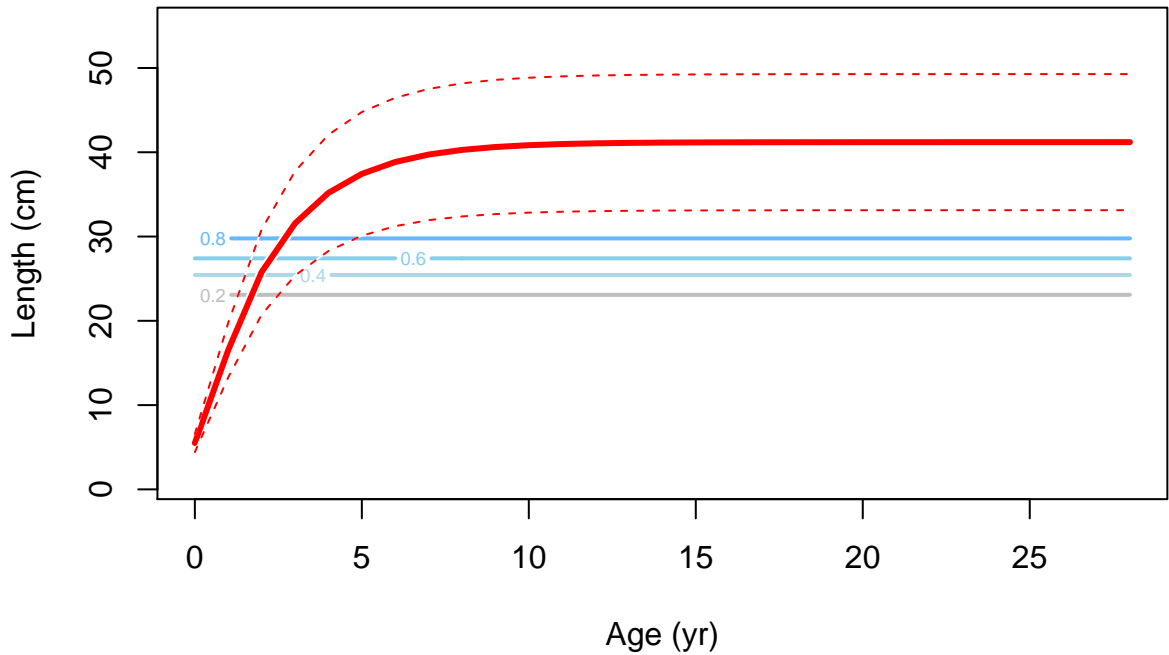
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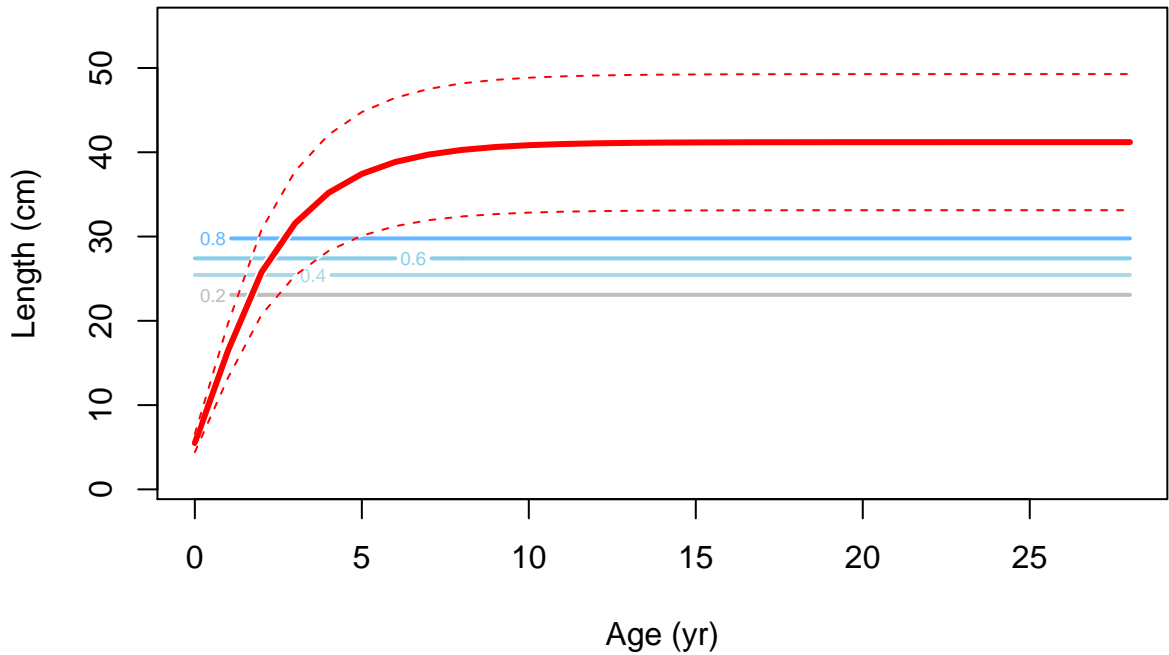


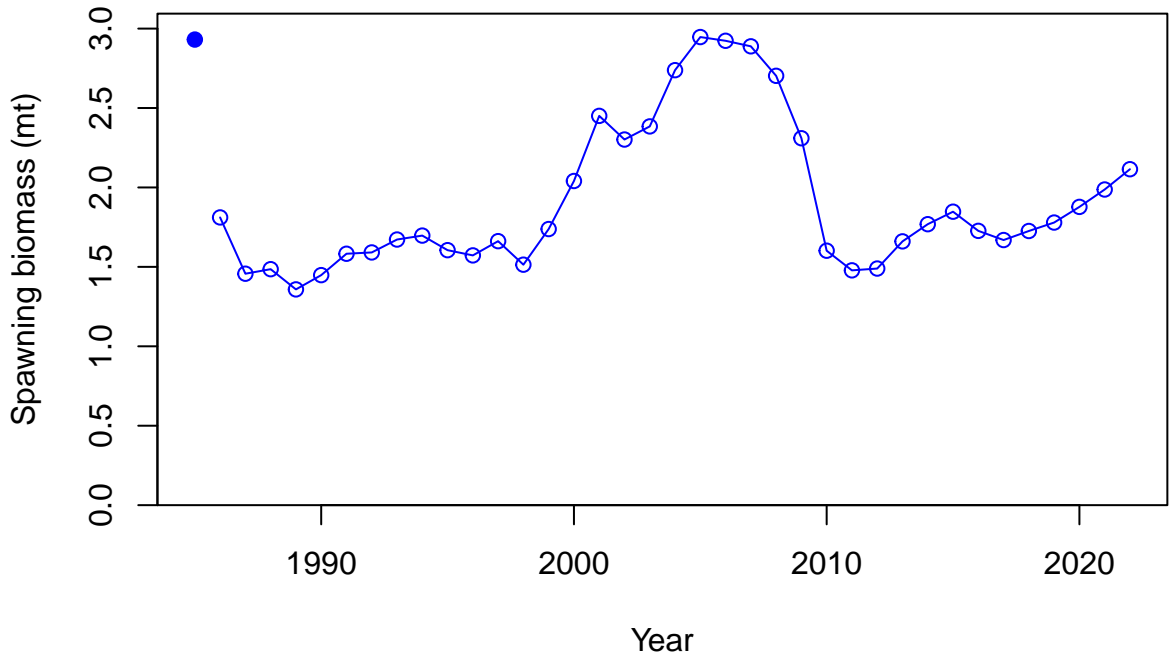


Selectivity

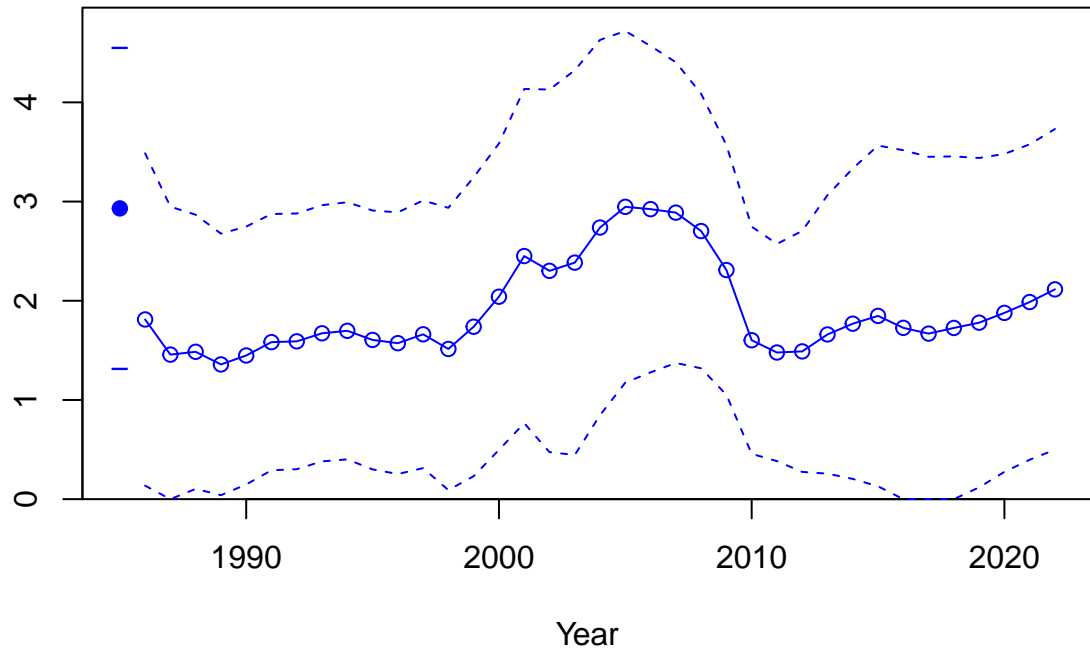




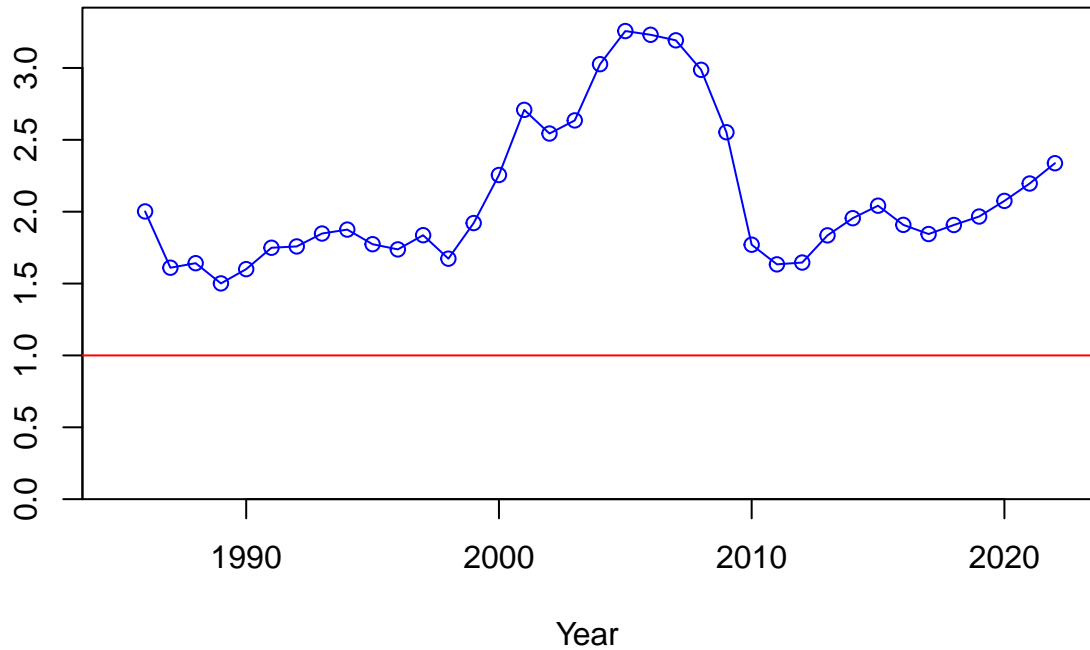




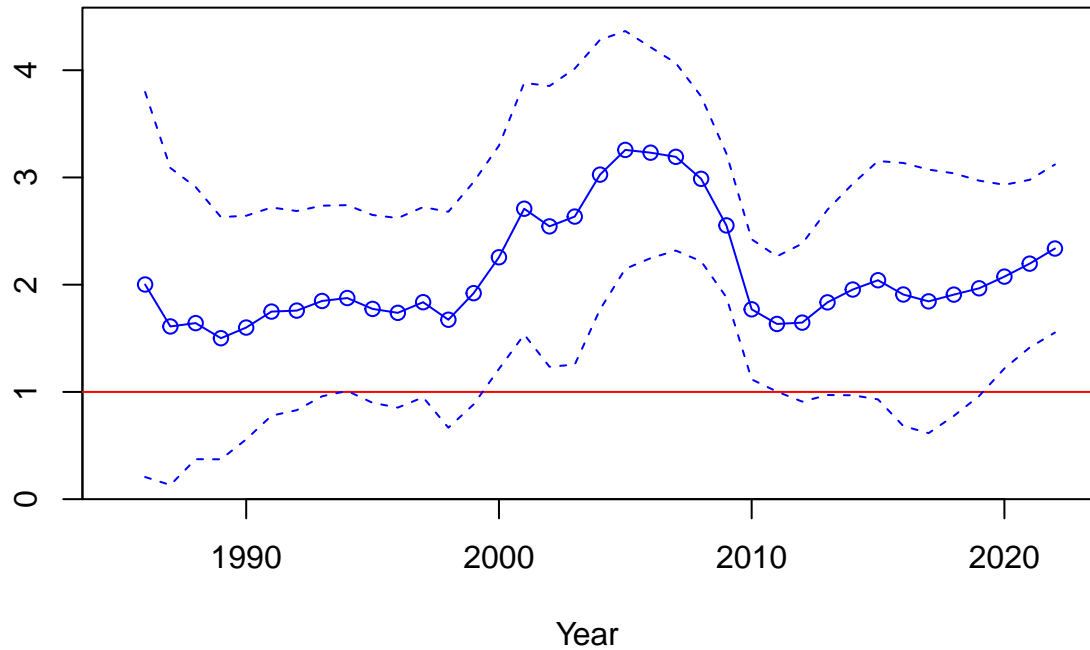
Spawning biomass (mt)

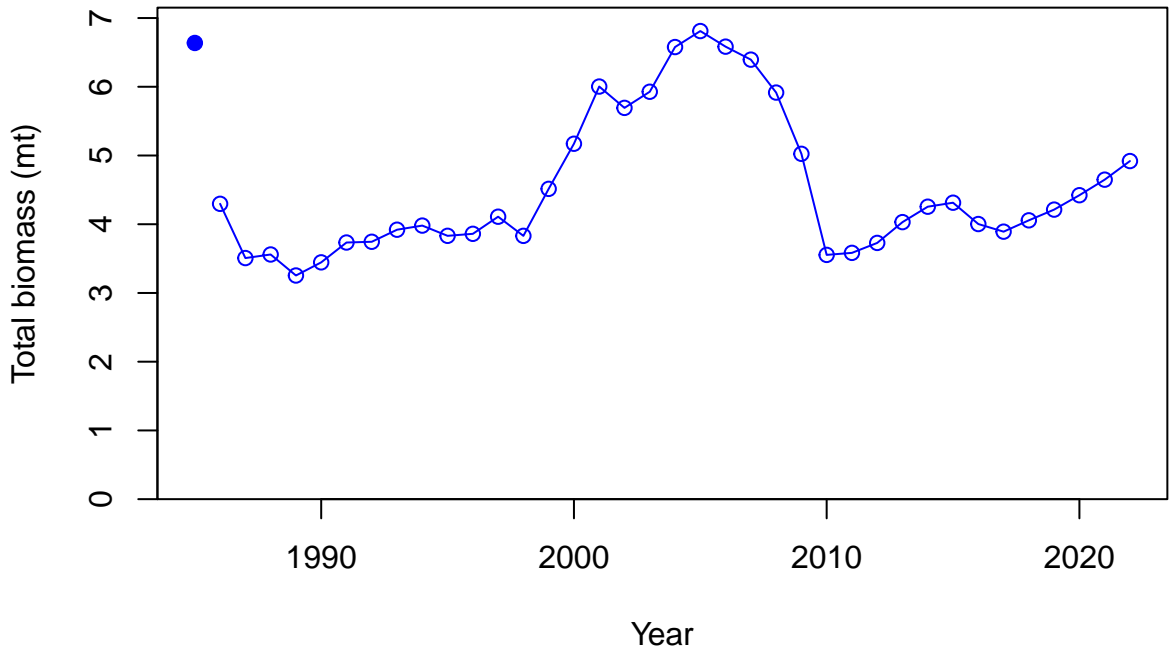


Relative spawning biomass:  $B/B_{MSY}$

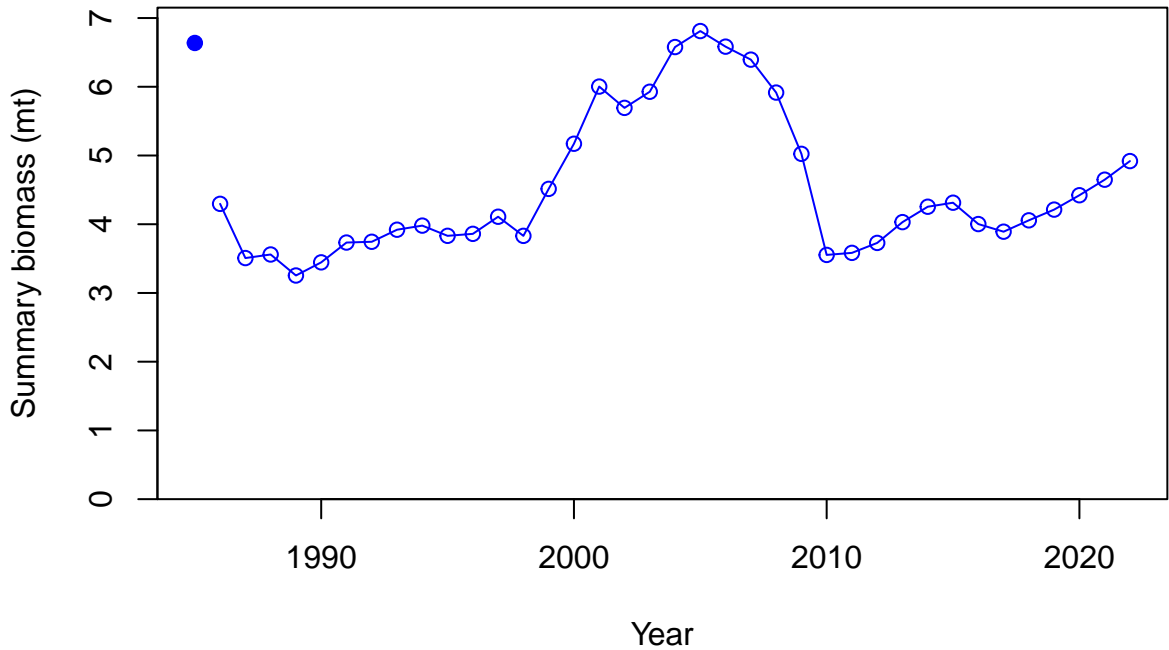


Relative spawning biomass:  $B/B_{MSY}$

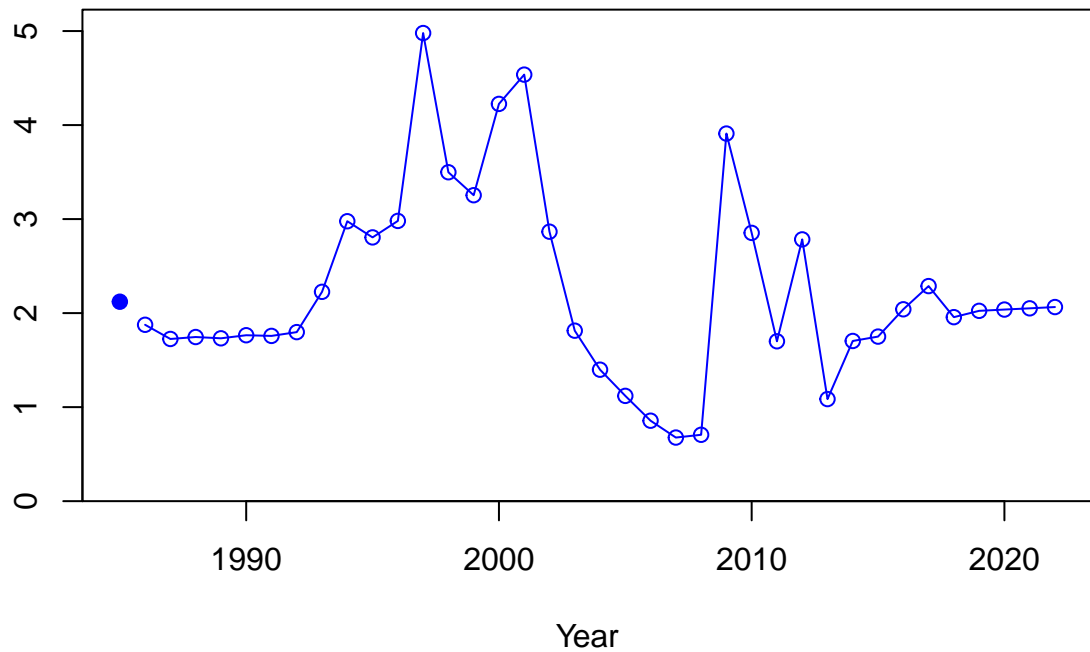




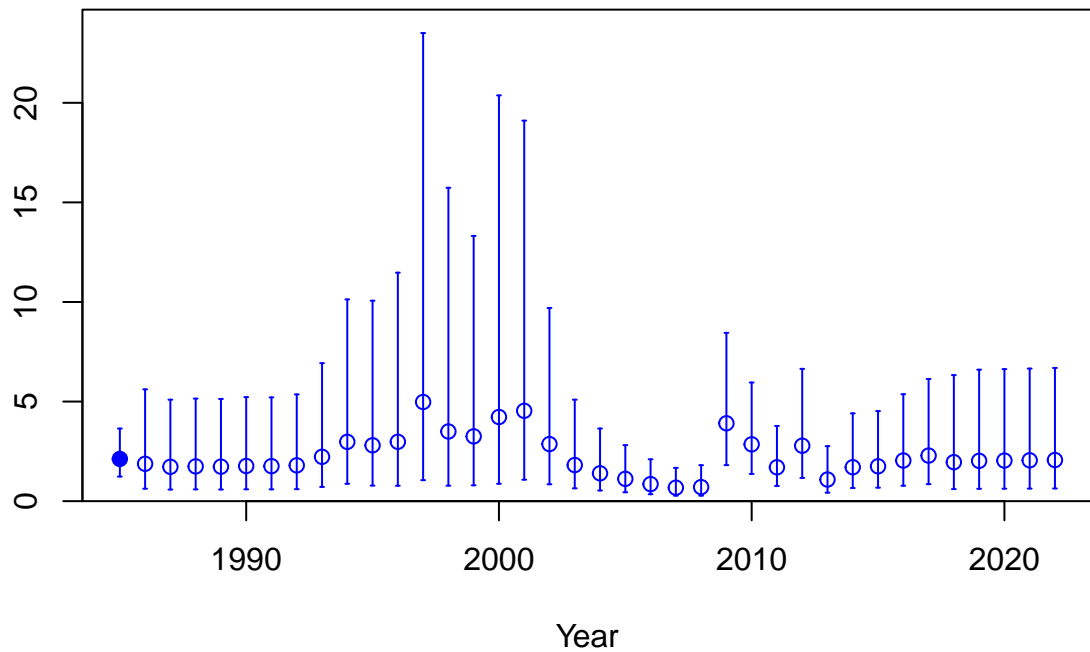




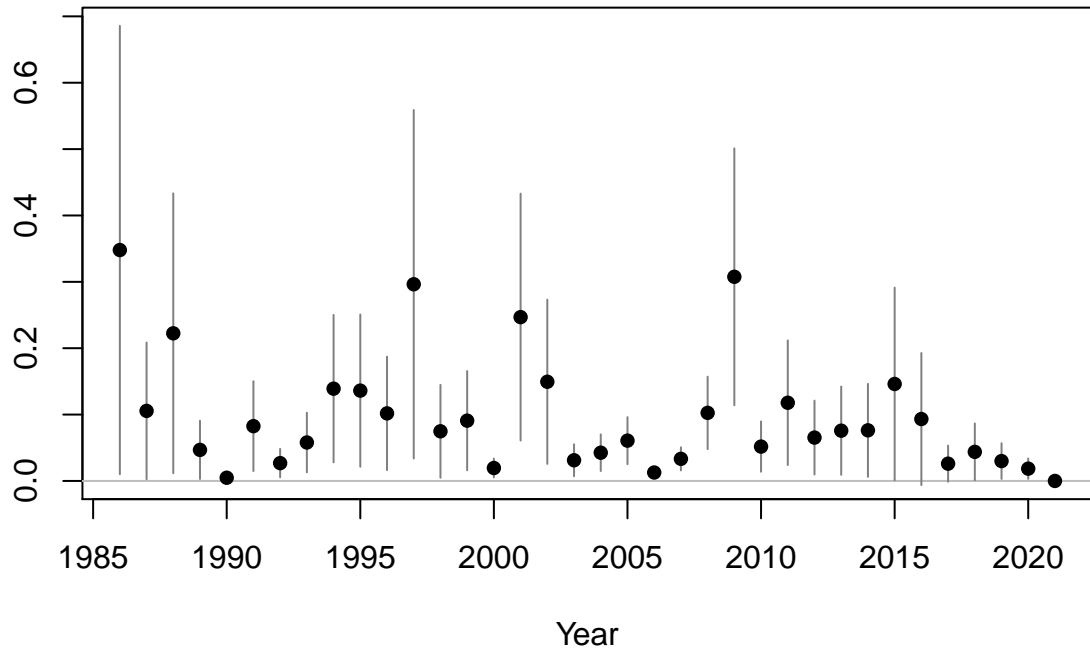
Age-0 recruits (1,000s)



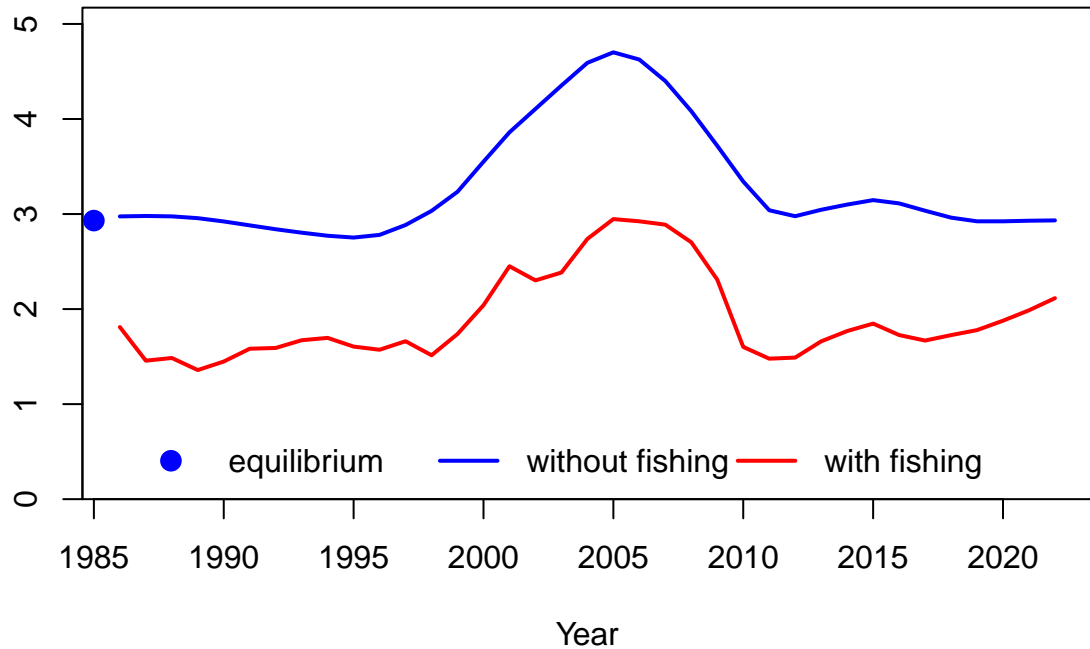
Age-0 recruits (1,000s)



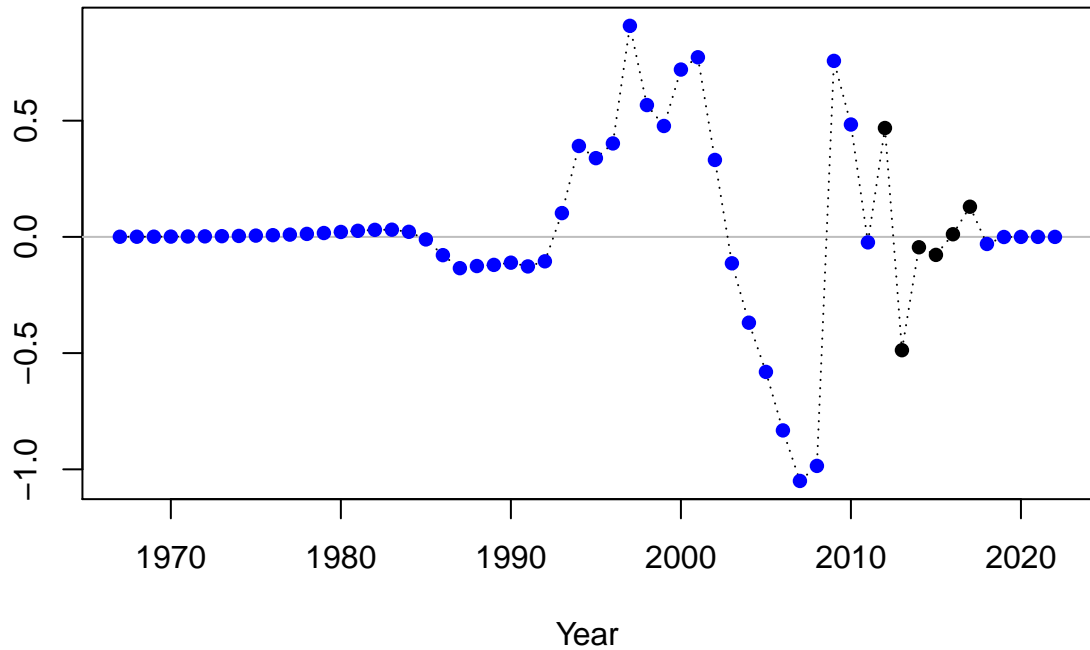
Summary Fishing Mortality



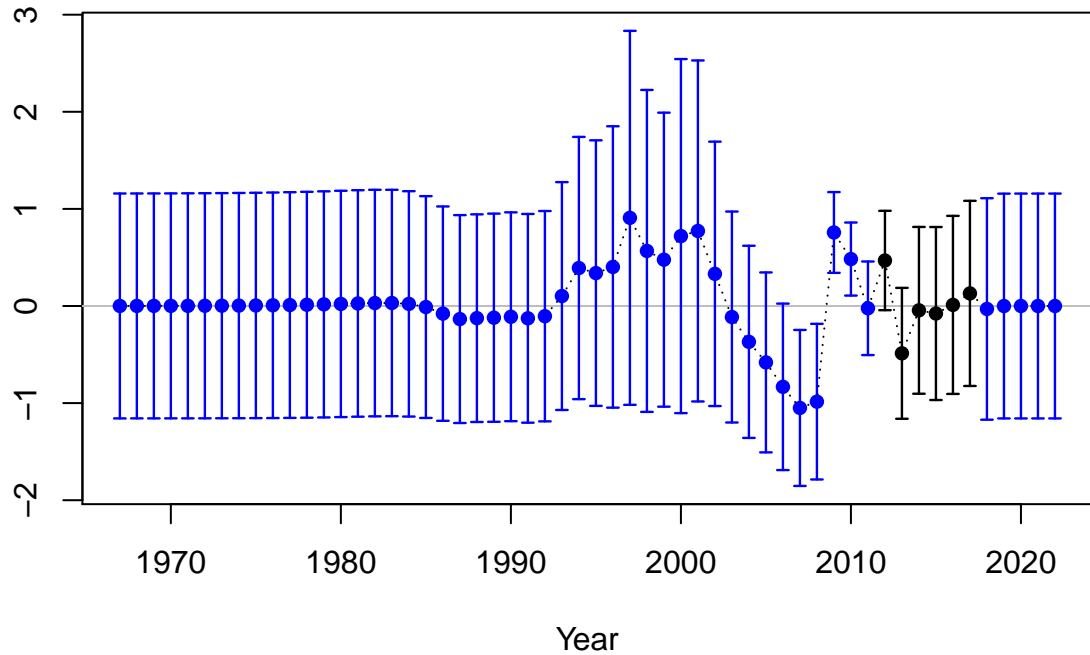
Spawning biomass (mt)



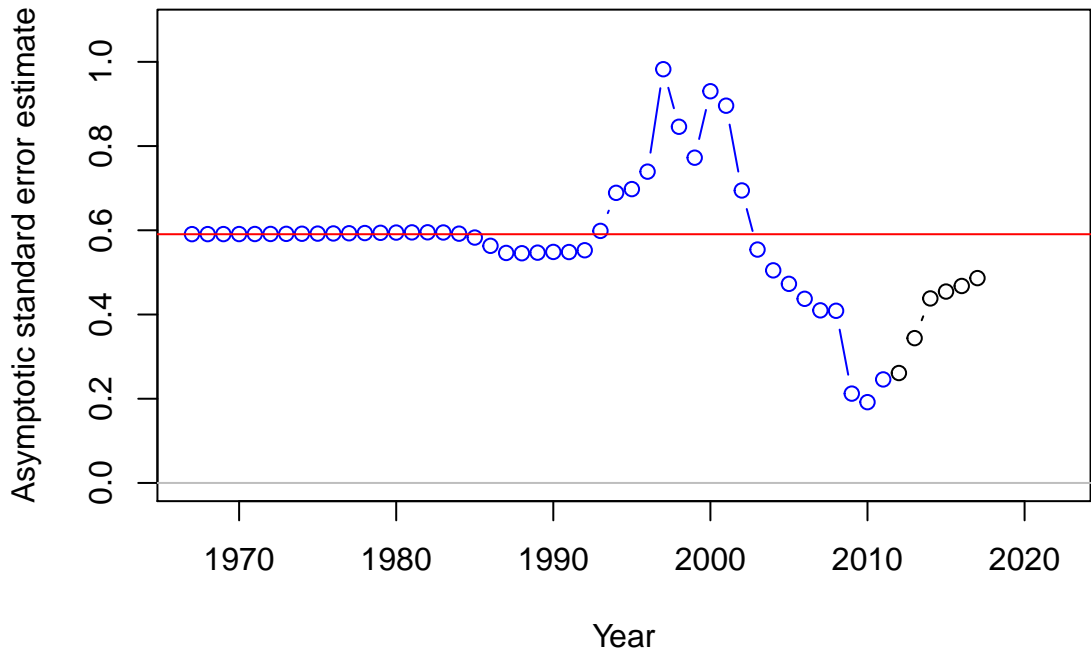
Log recruitment deviation



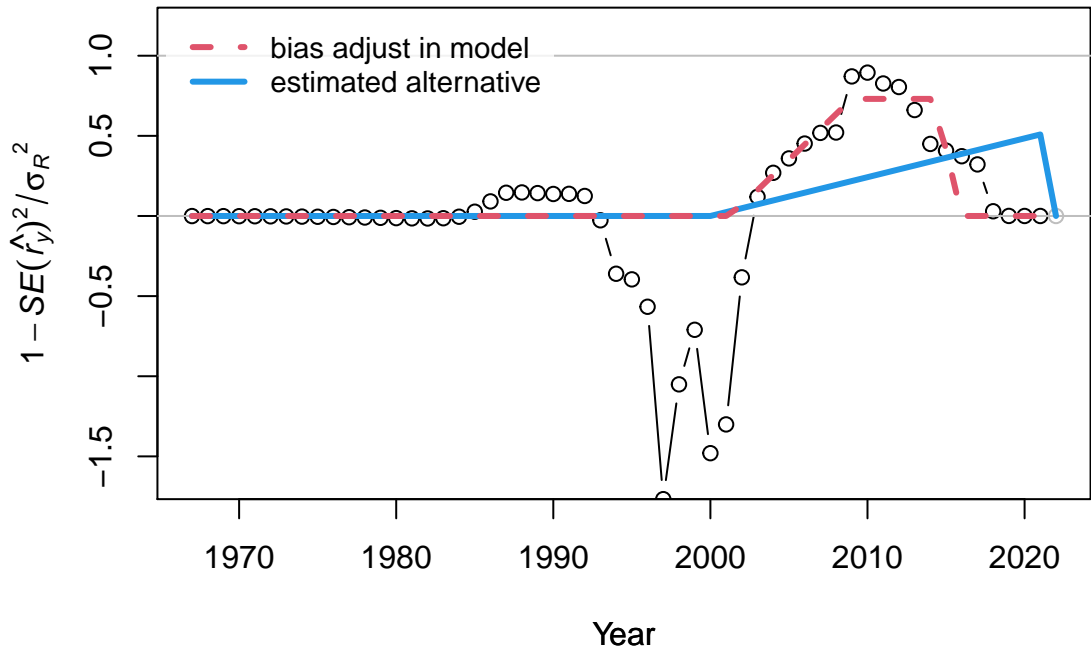
Log recruitment deviation

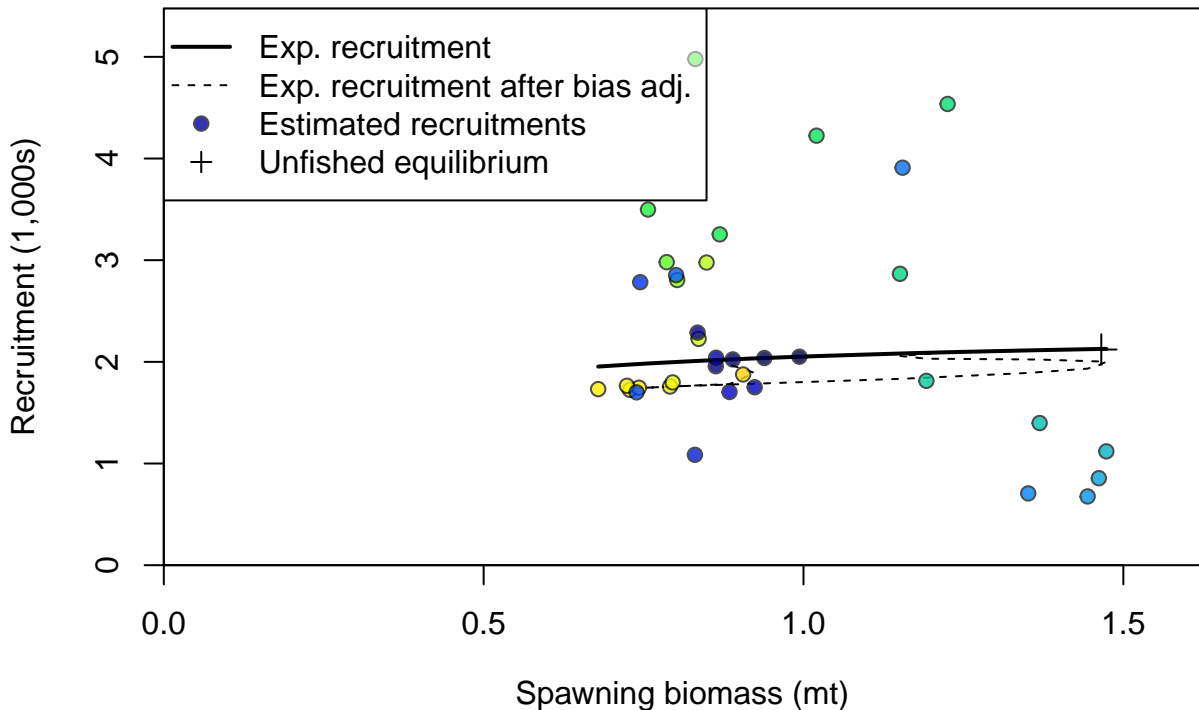


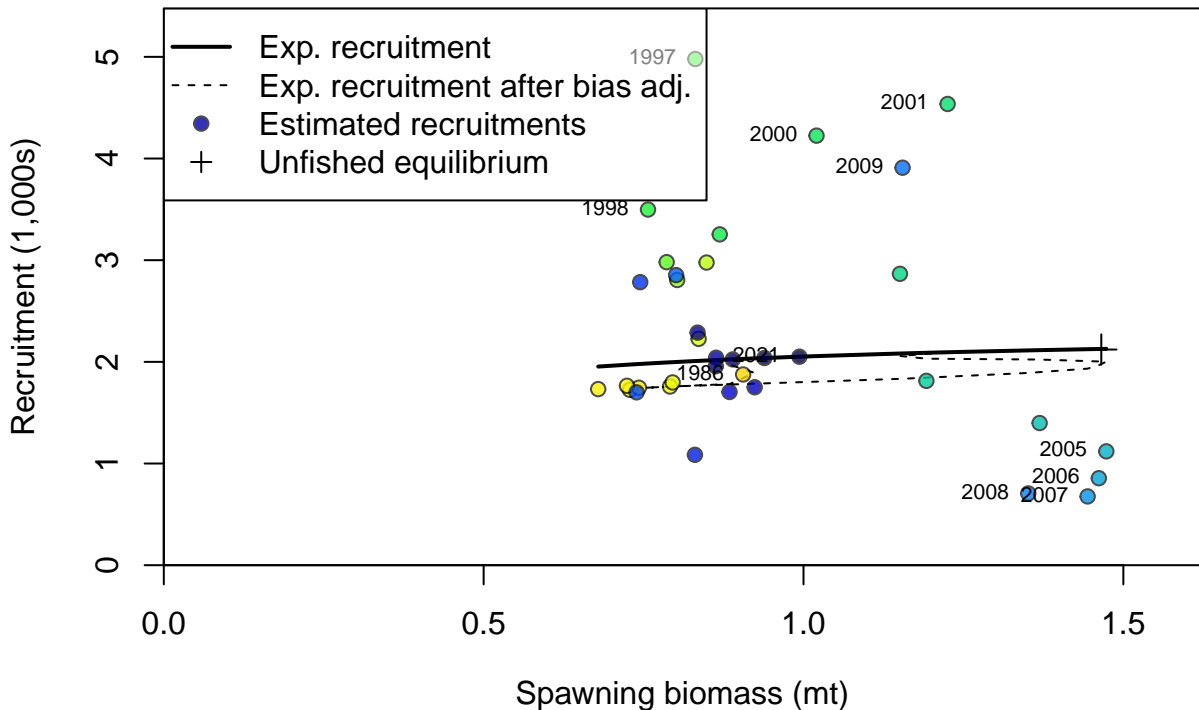
## Recruitment deviation variance



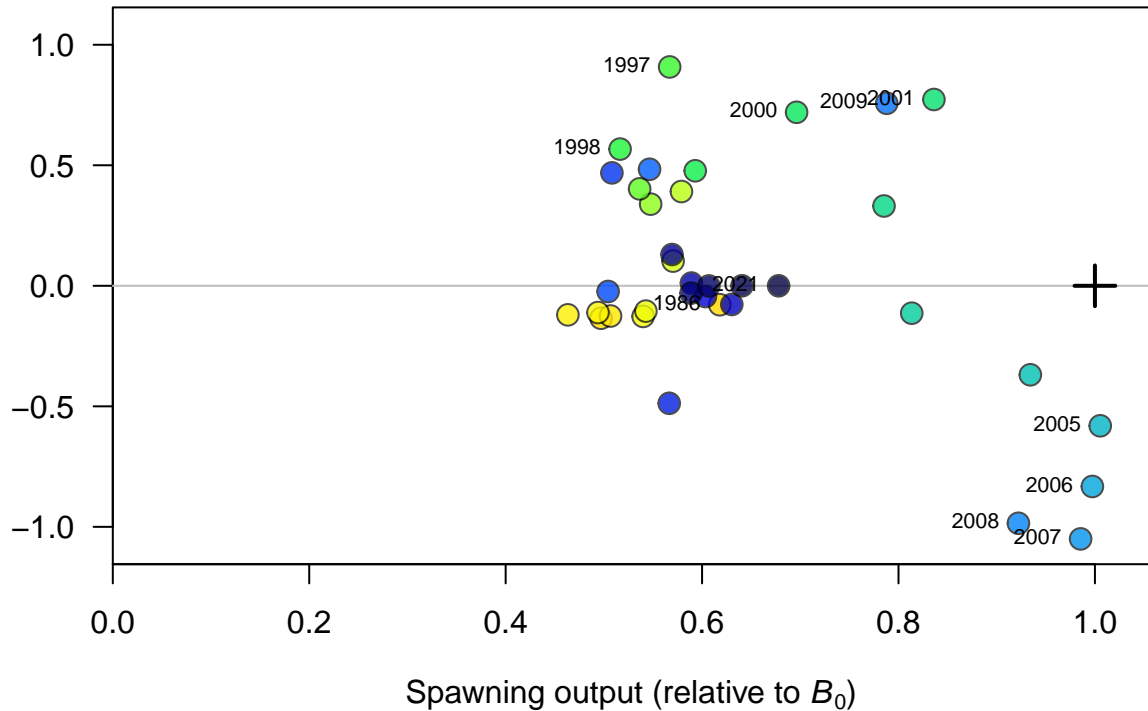


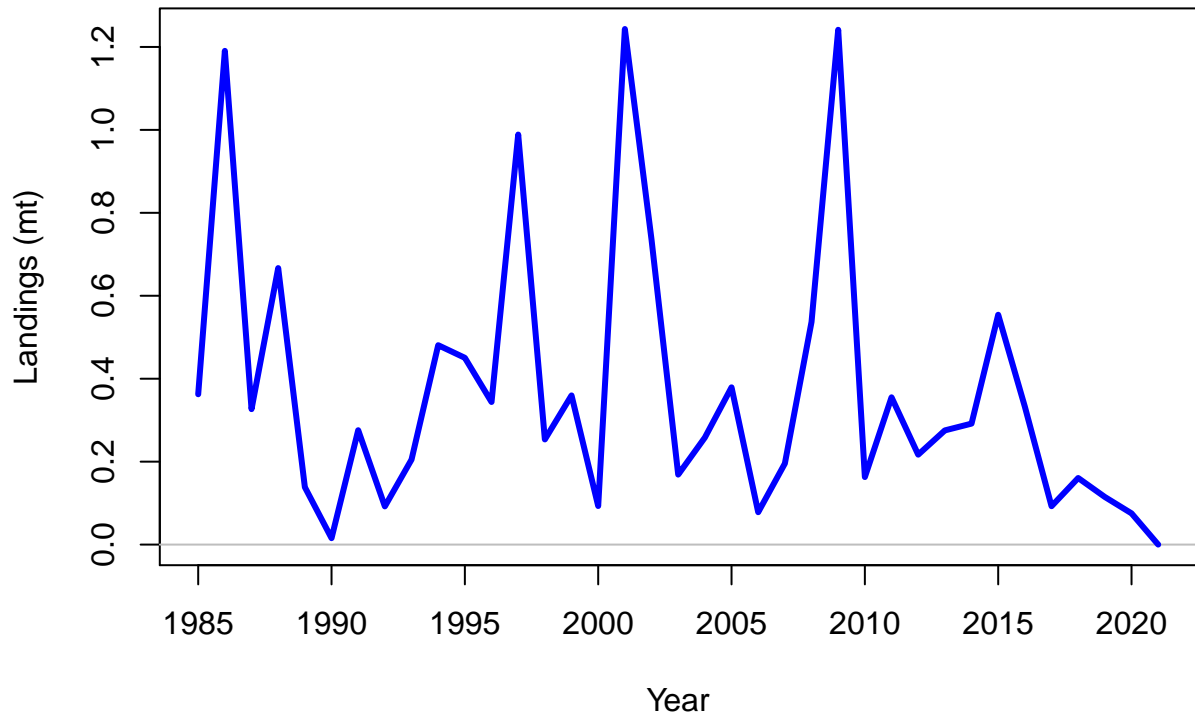


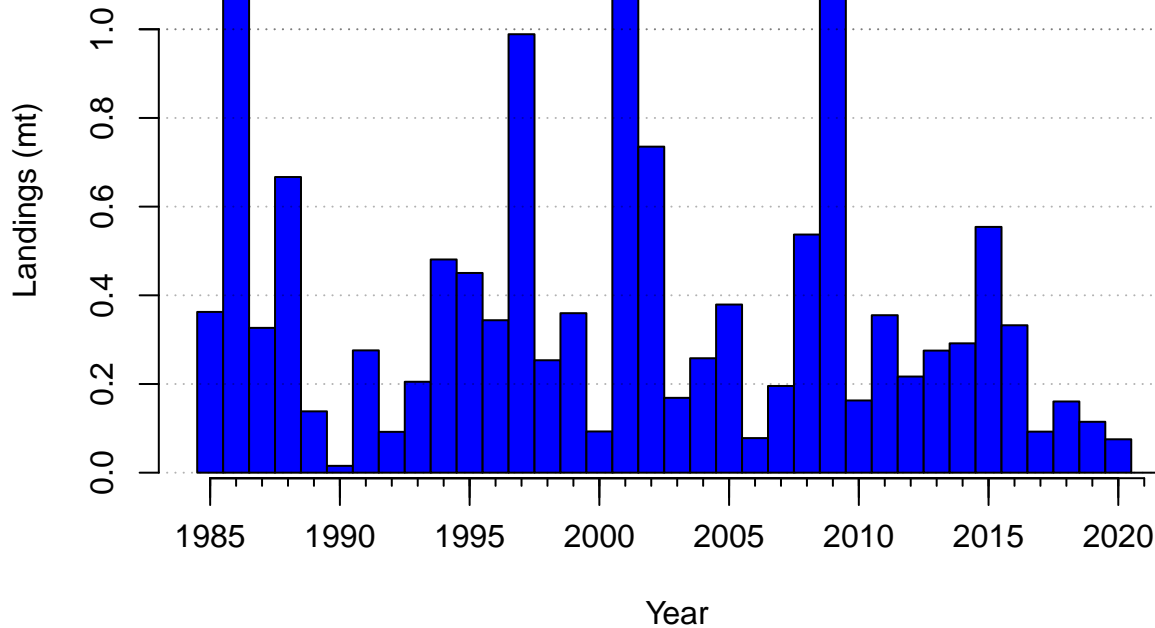


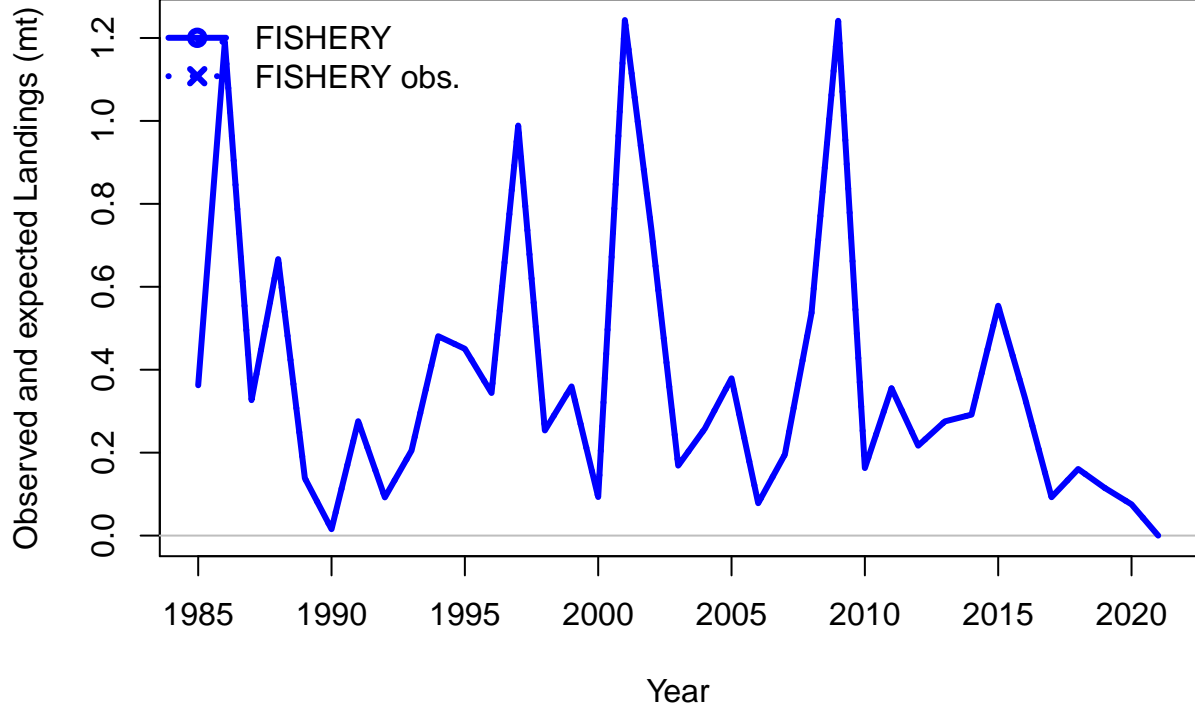


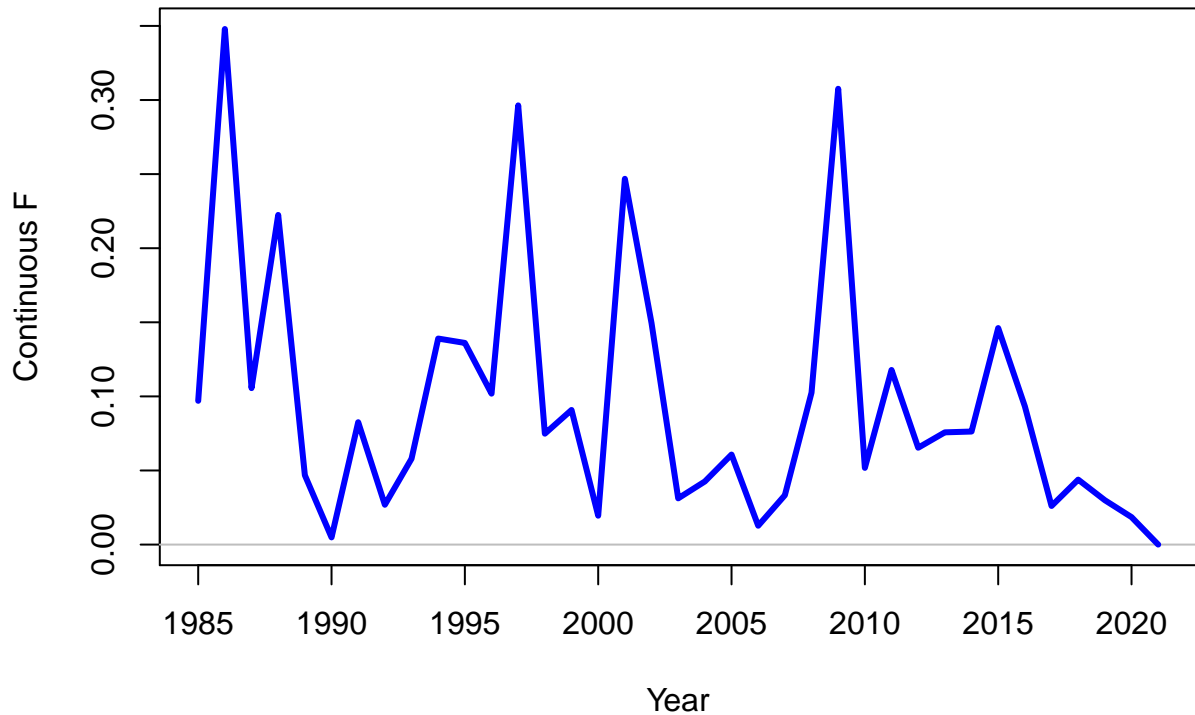
Log recruitment deviation





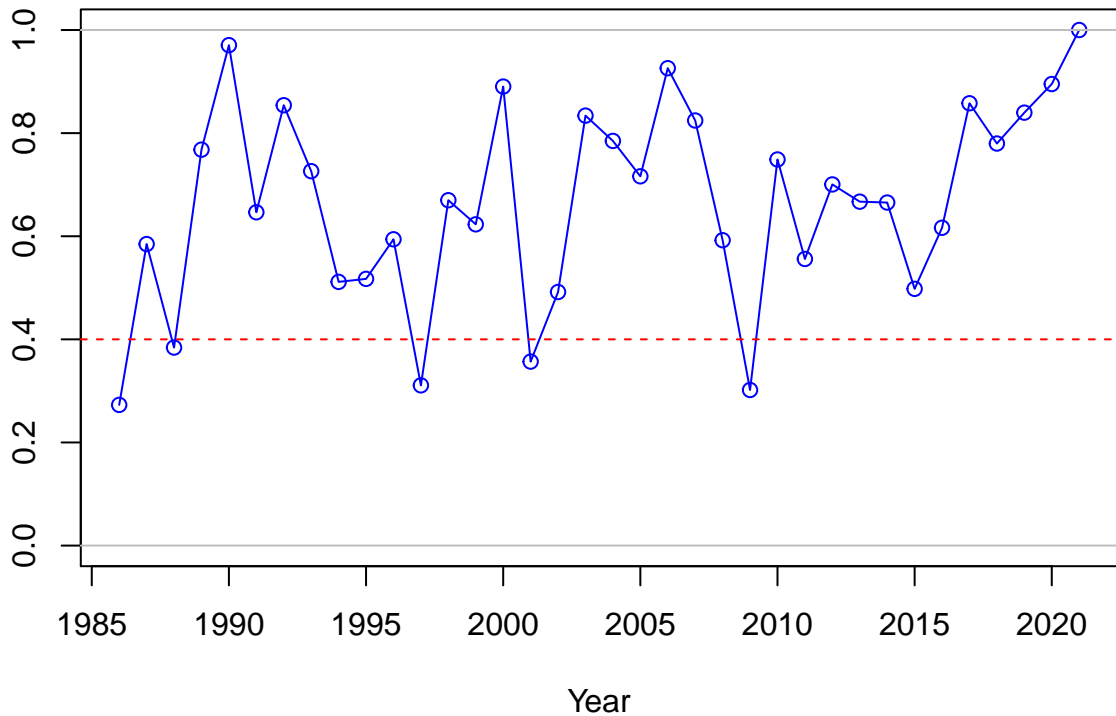




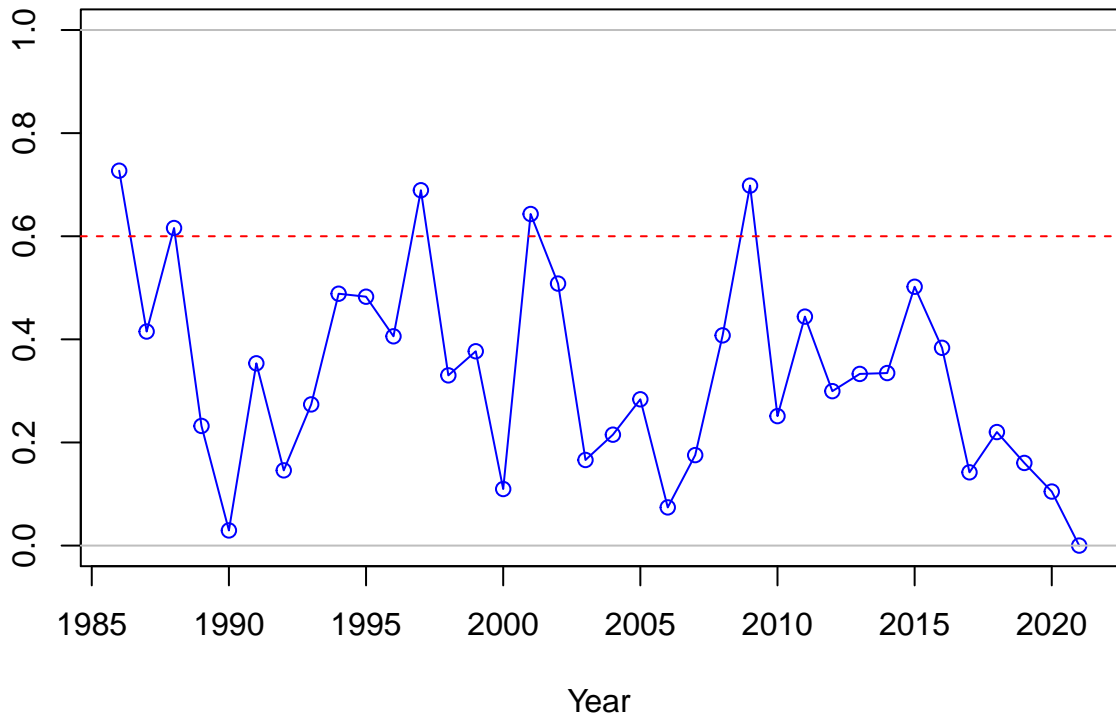




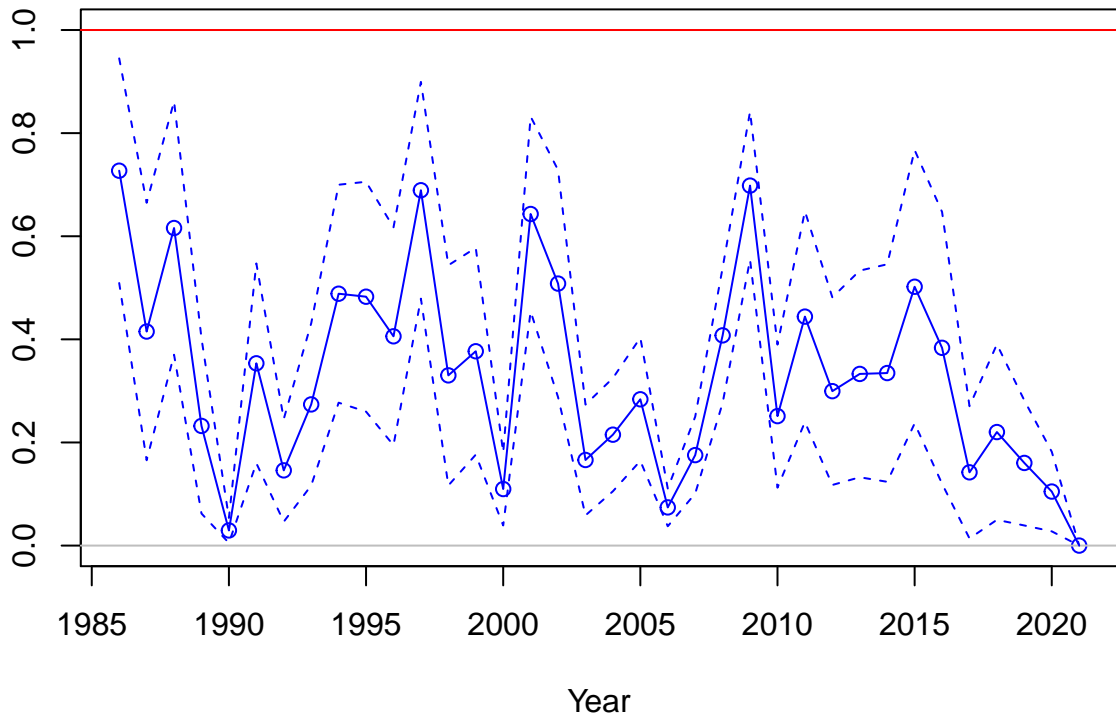
SPR



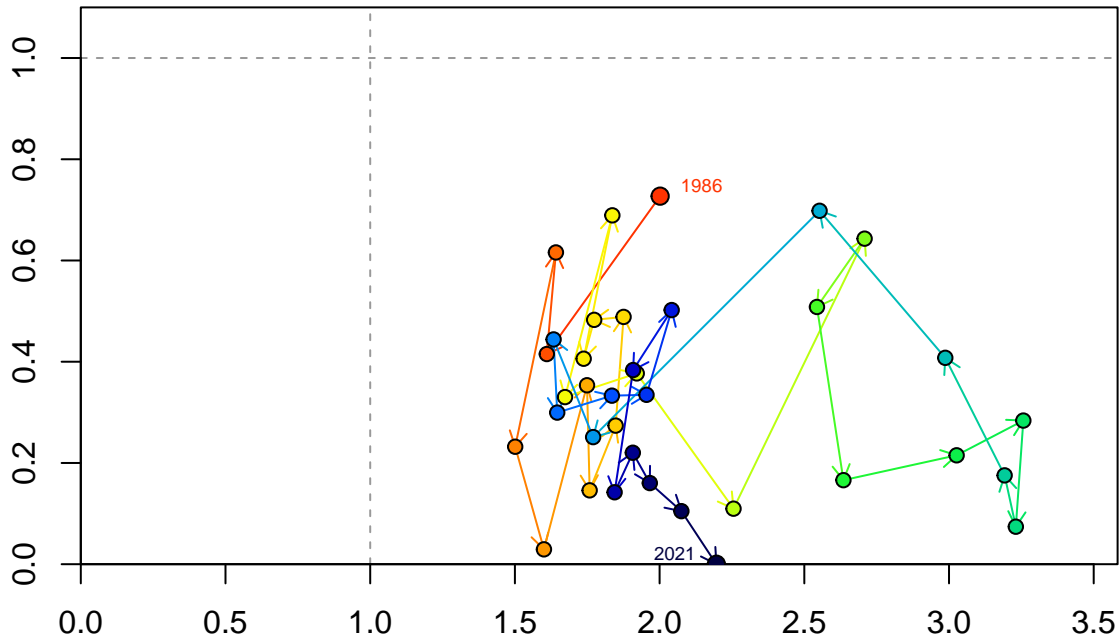
1-SPR



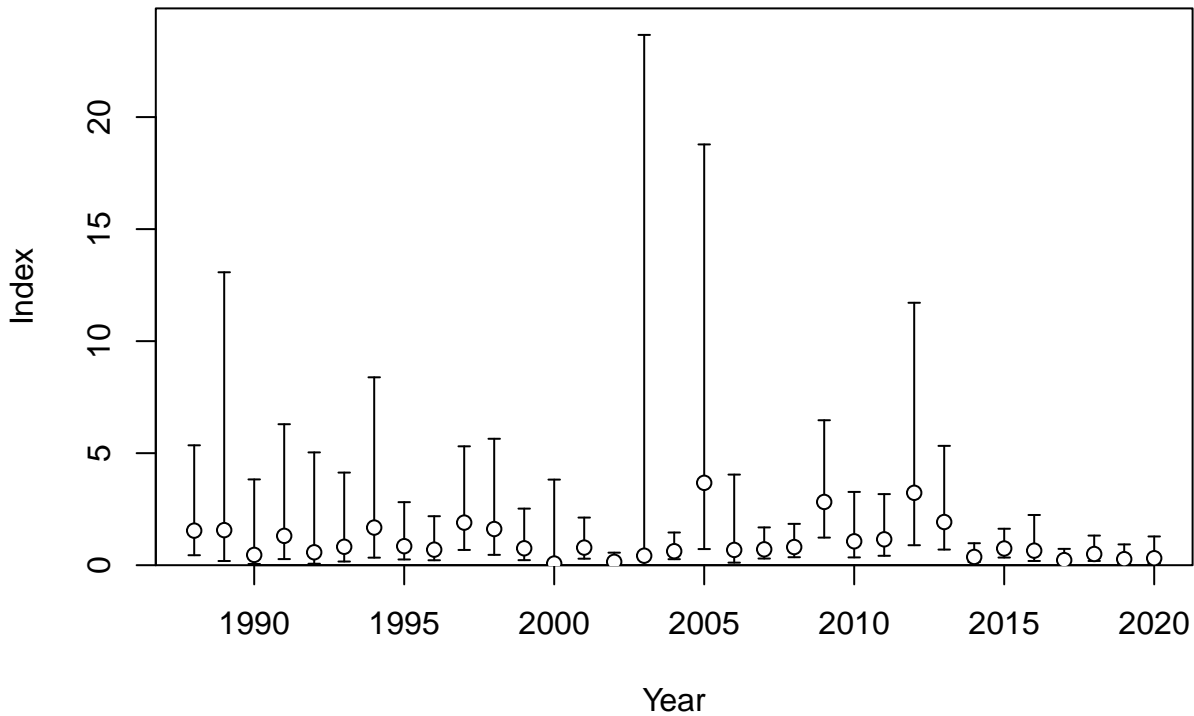
Fishing intensity: 1-SPR

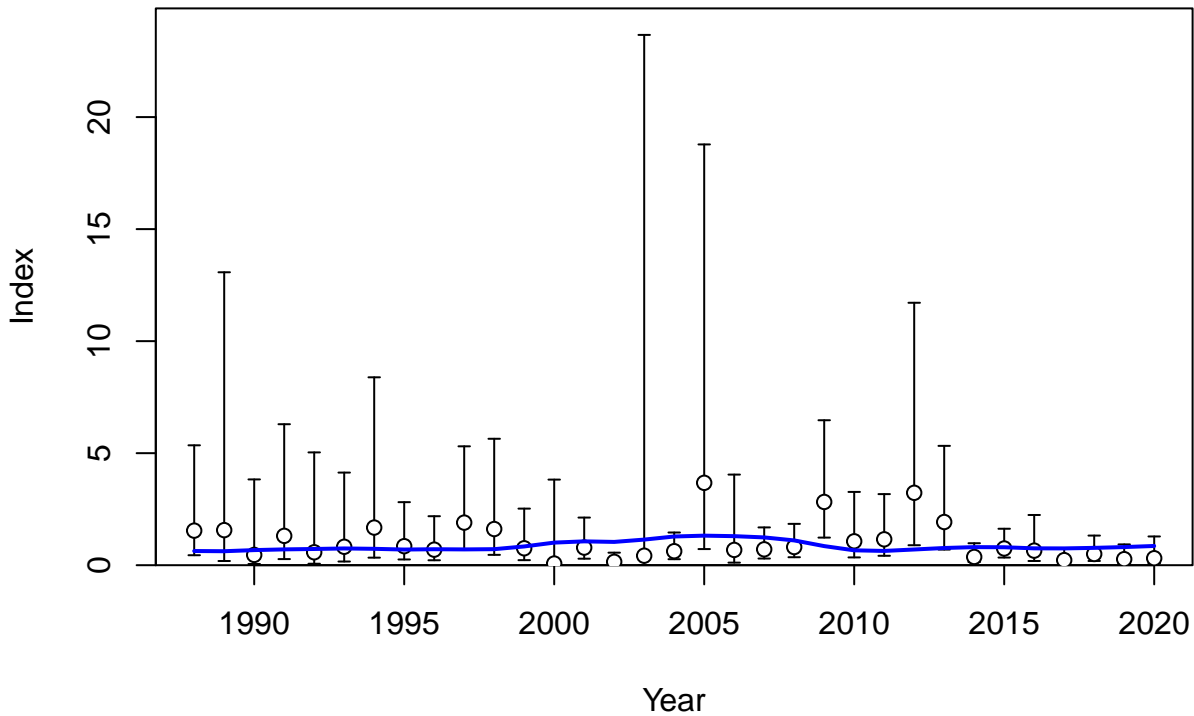


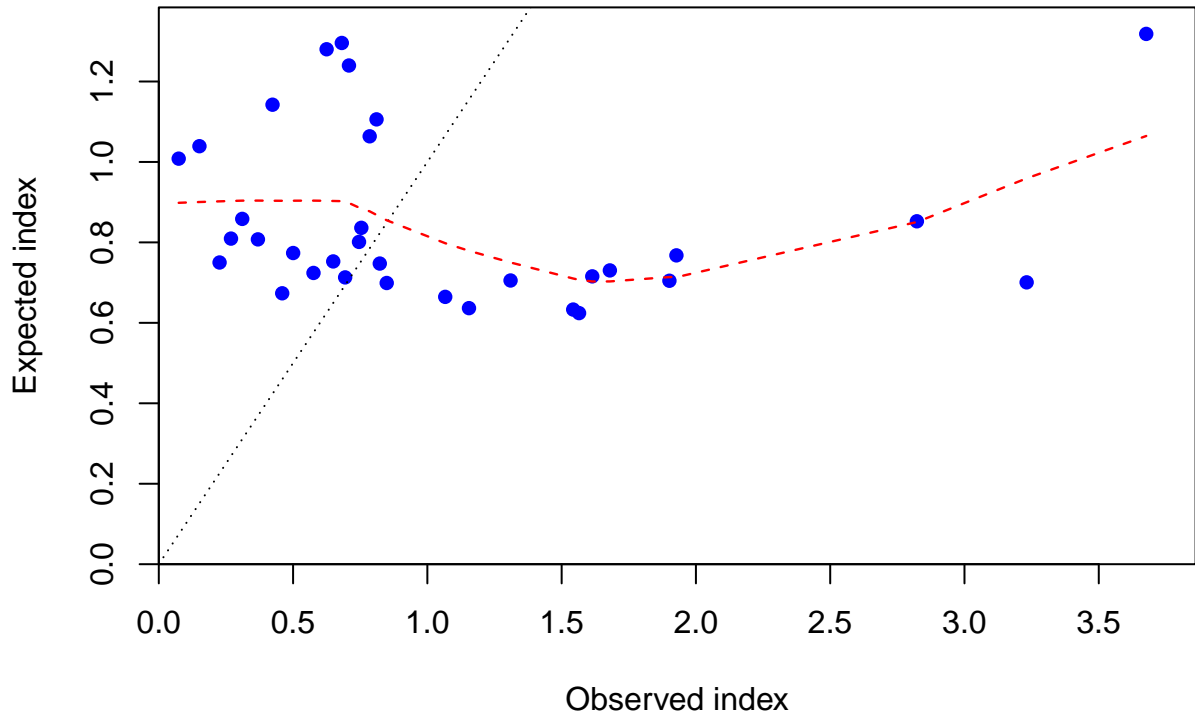
Fishing intensity: 1-SPR

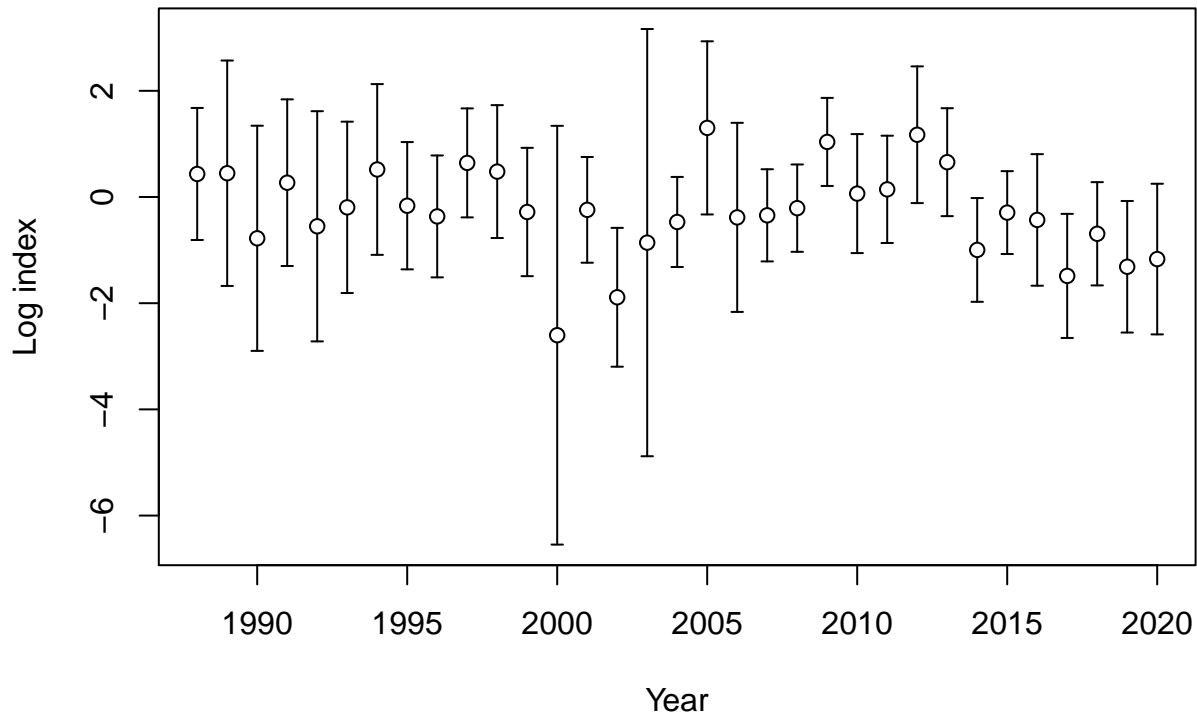


Relative spawning output: B/B\_MSY

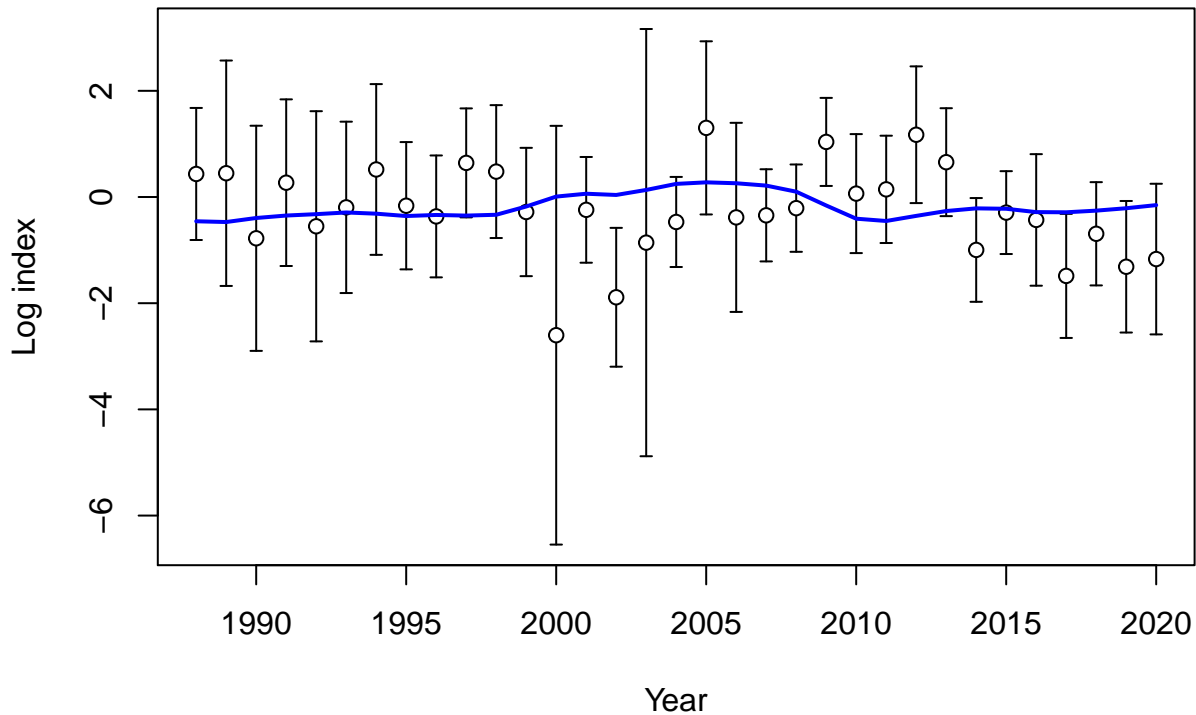


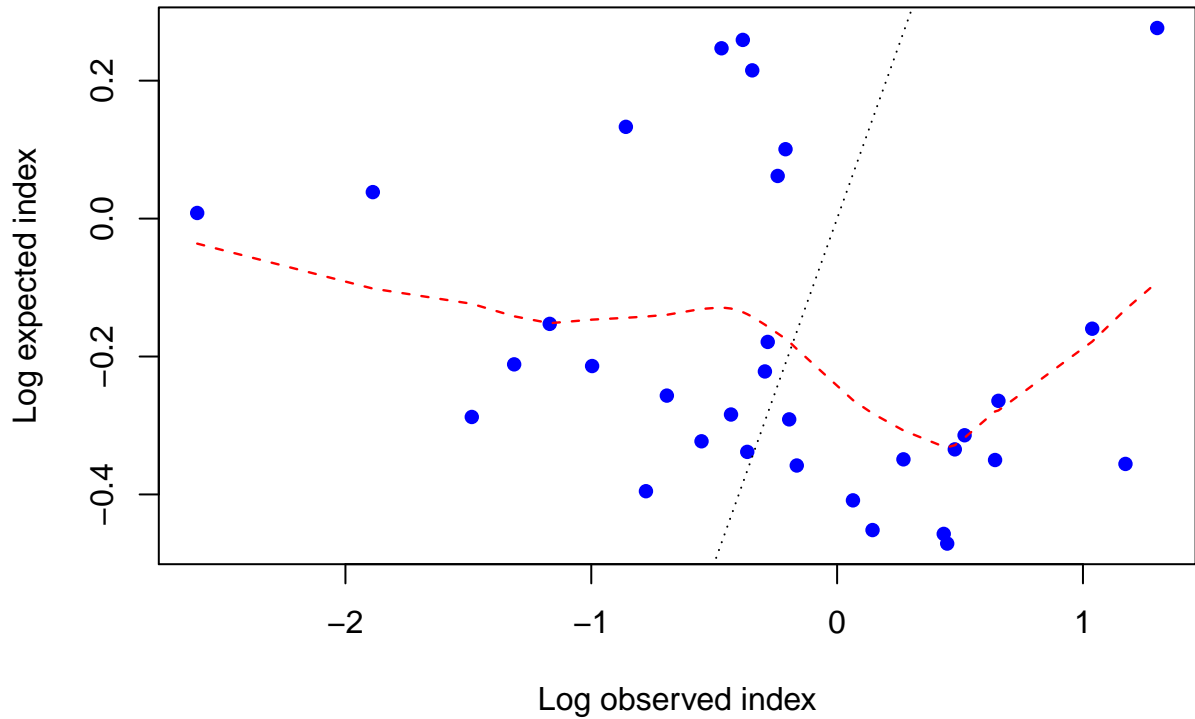




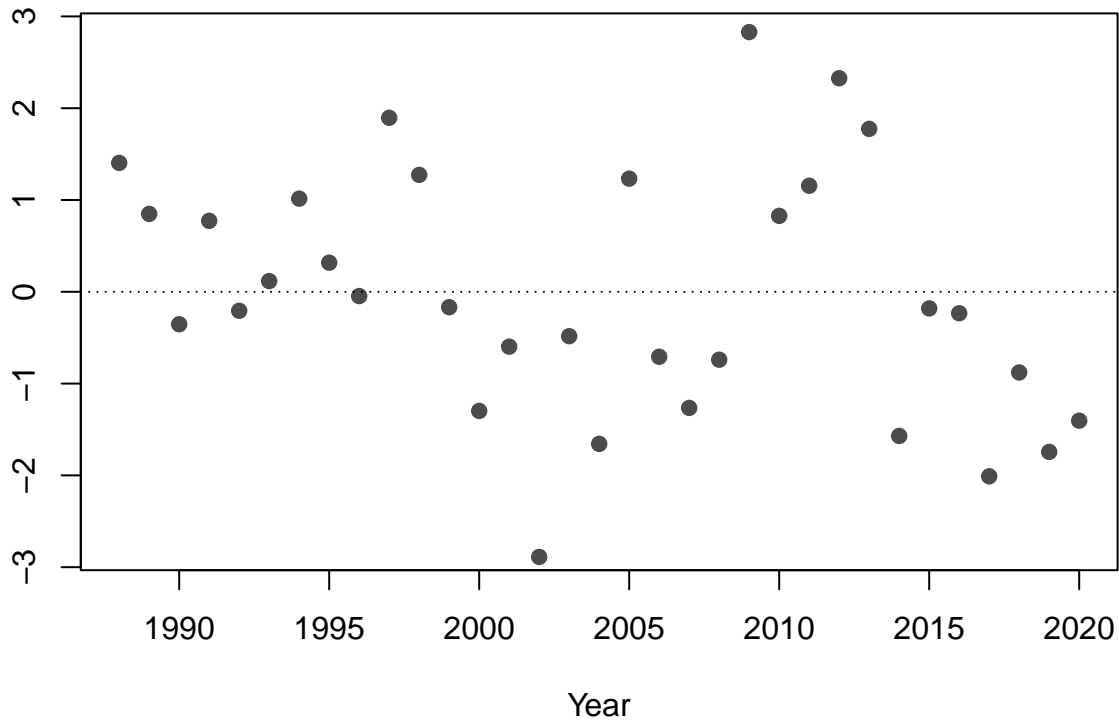


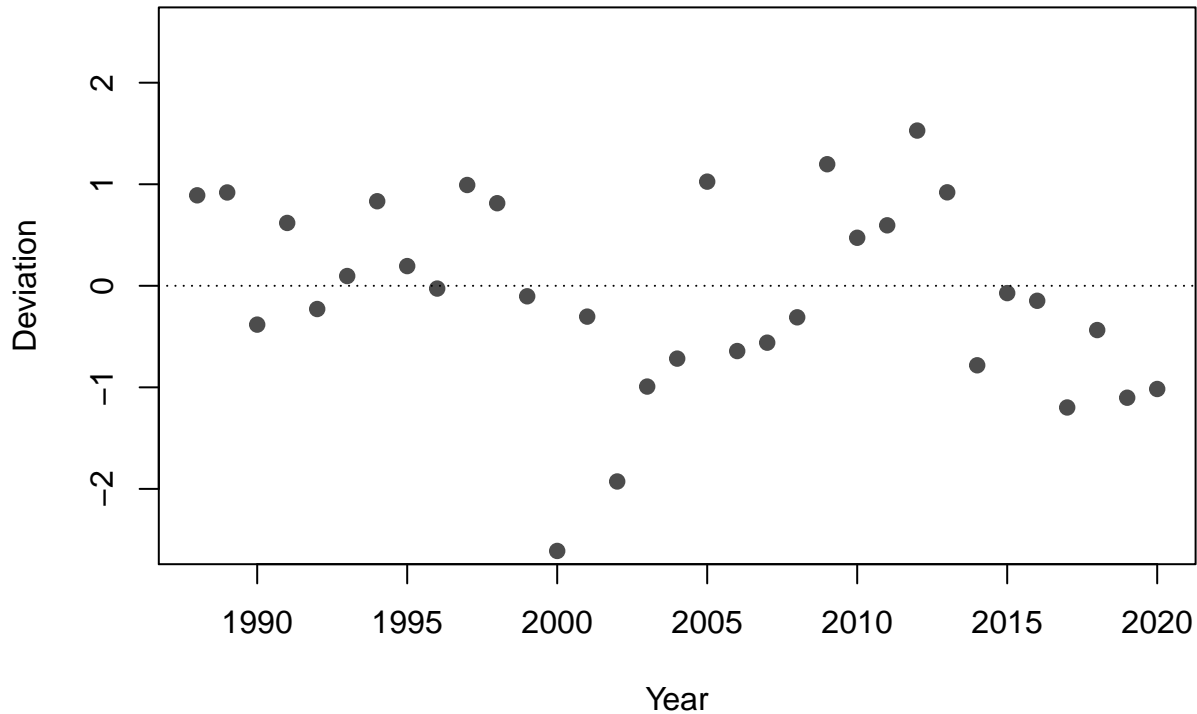


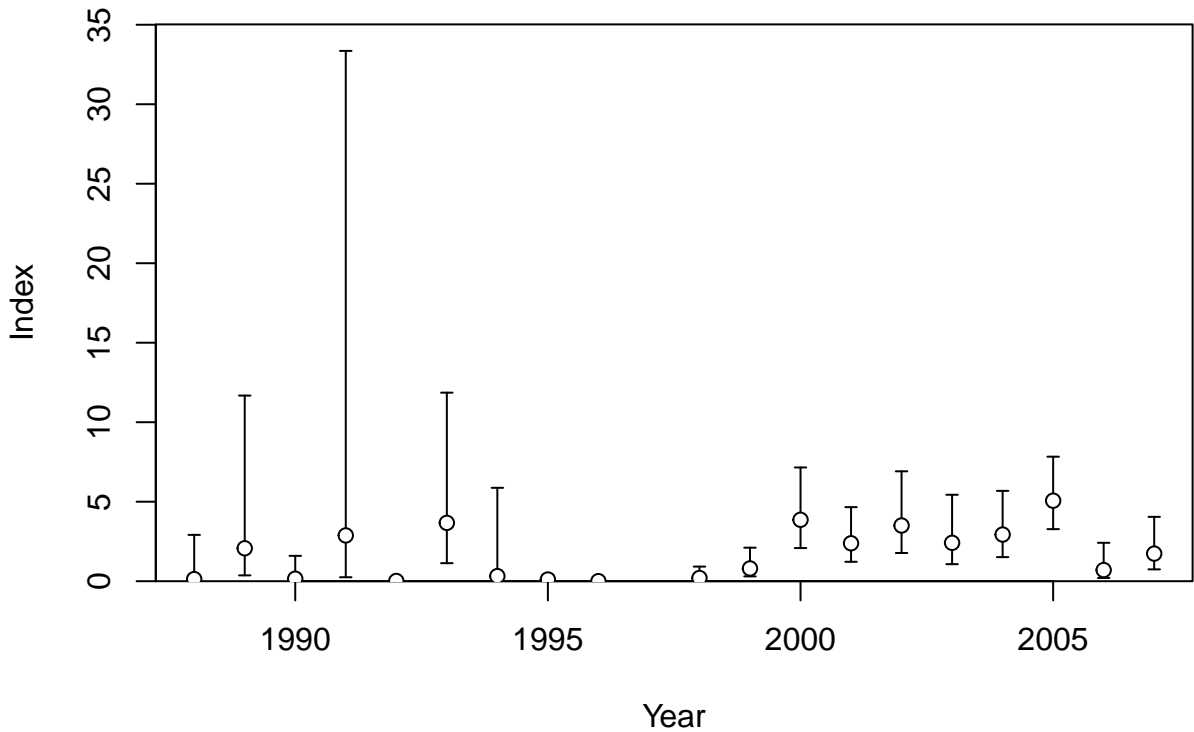


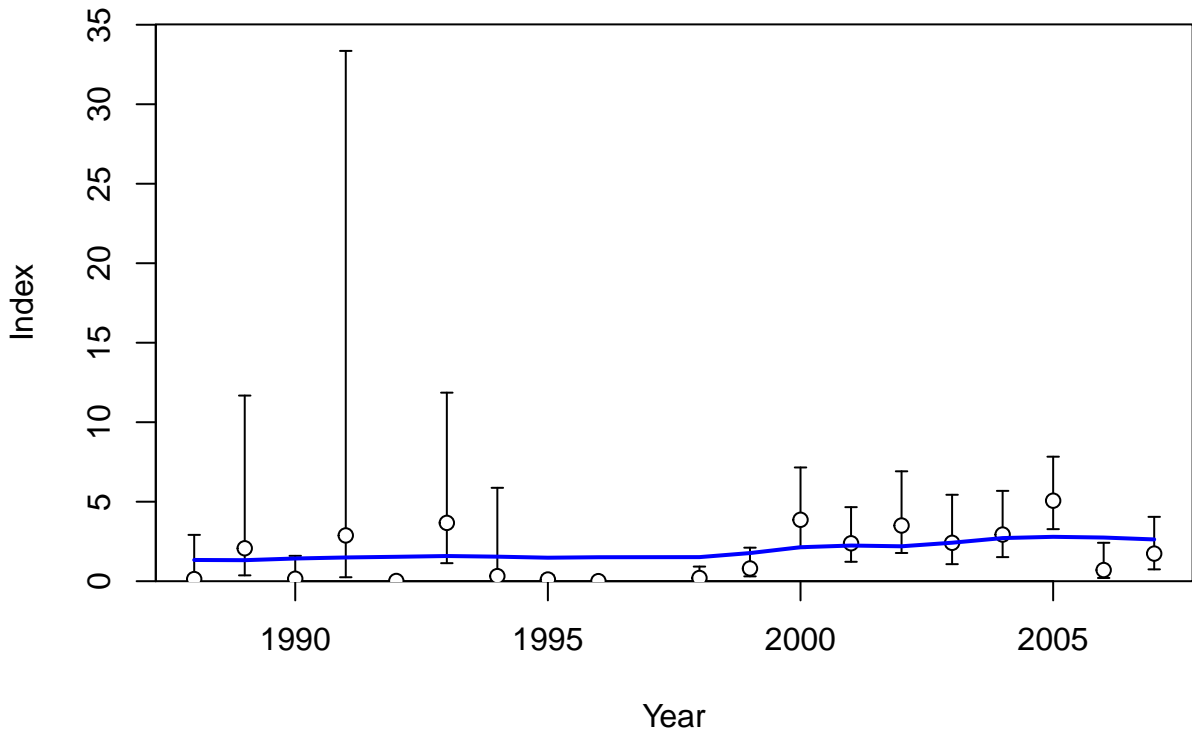


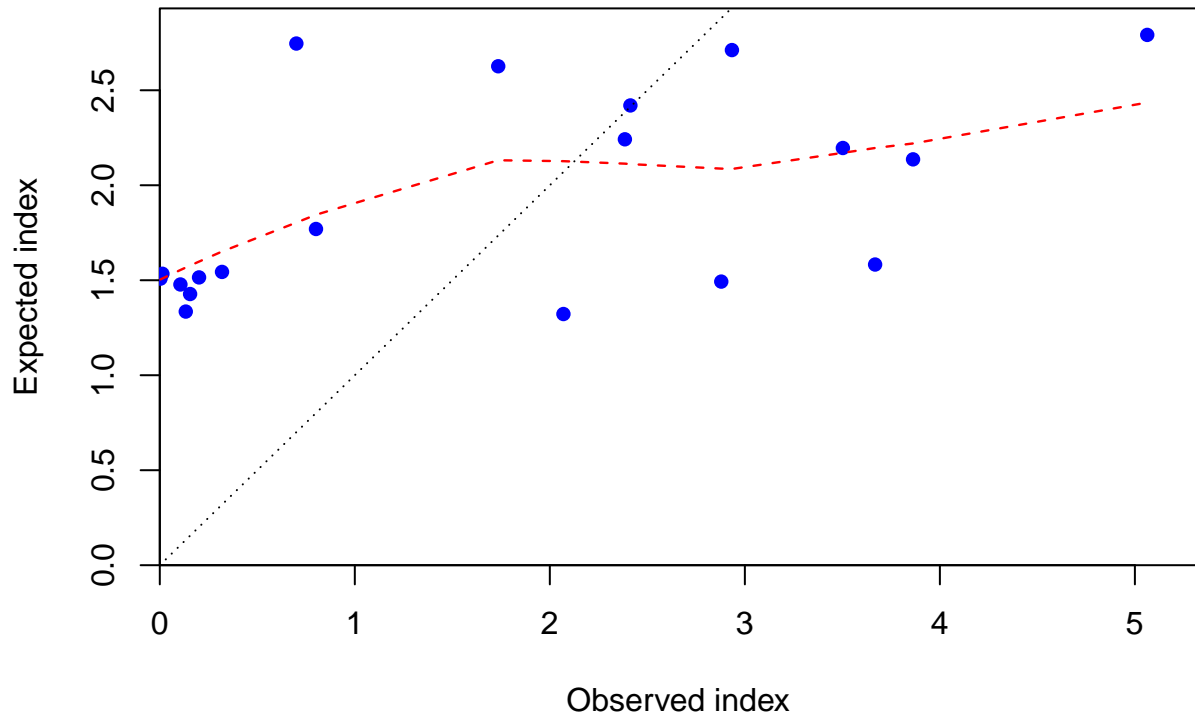
Residual

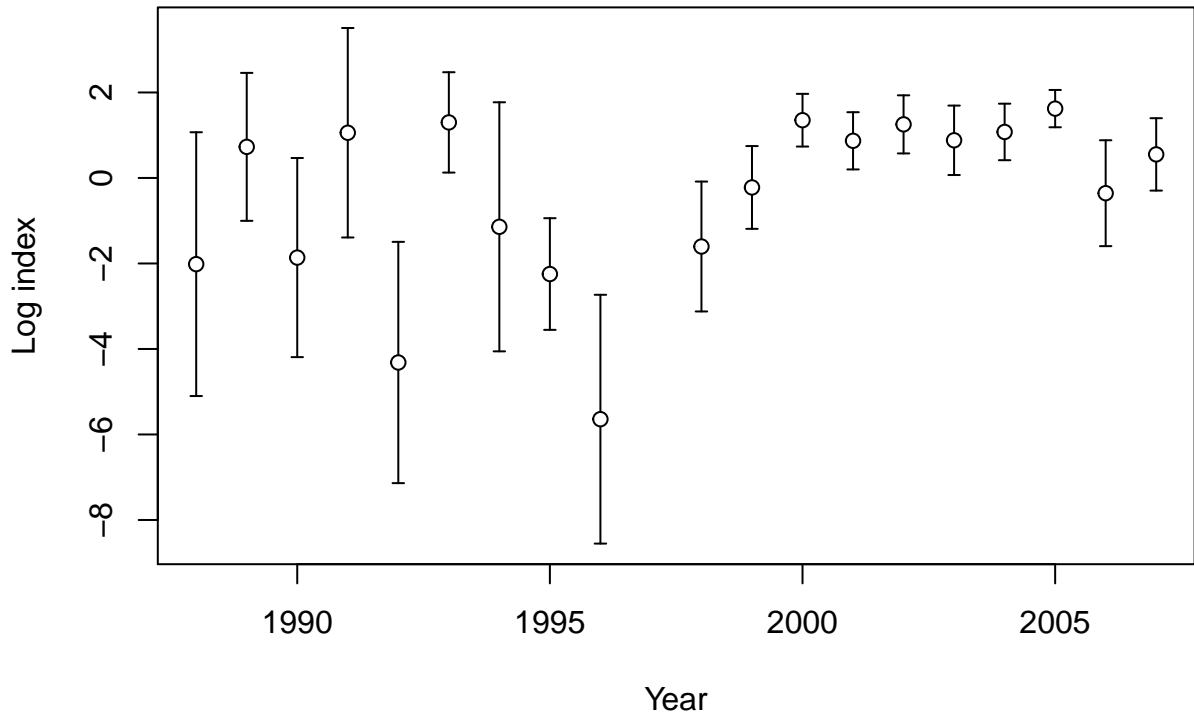














Log index

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0  
-2  
-4  
-6  
-8

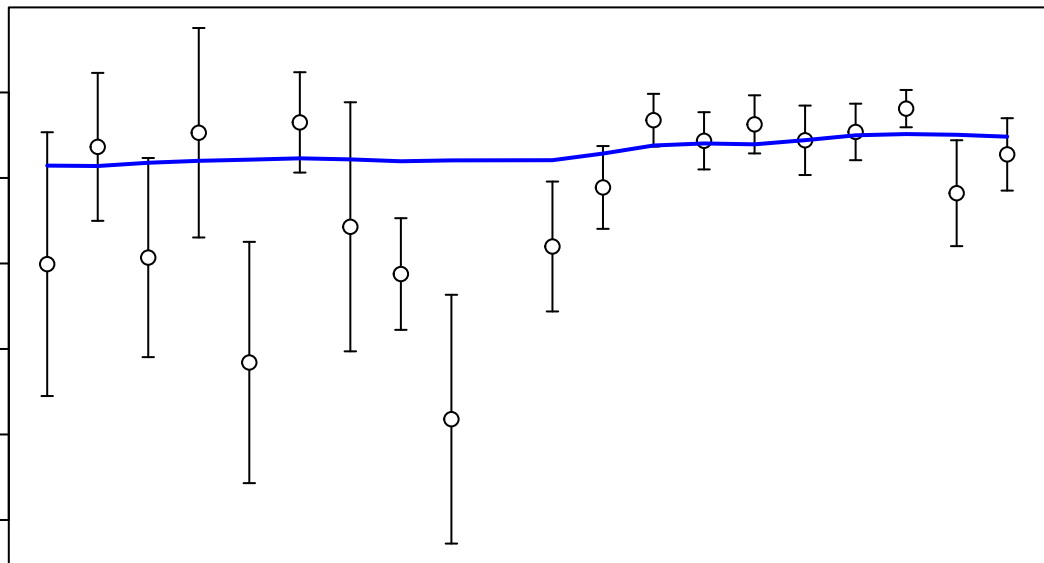
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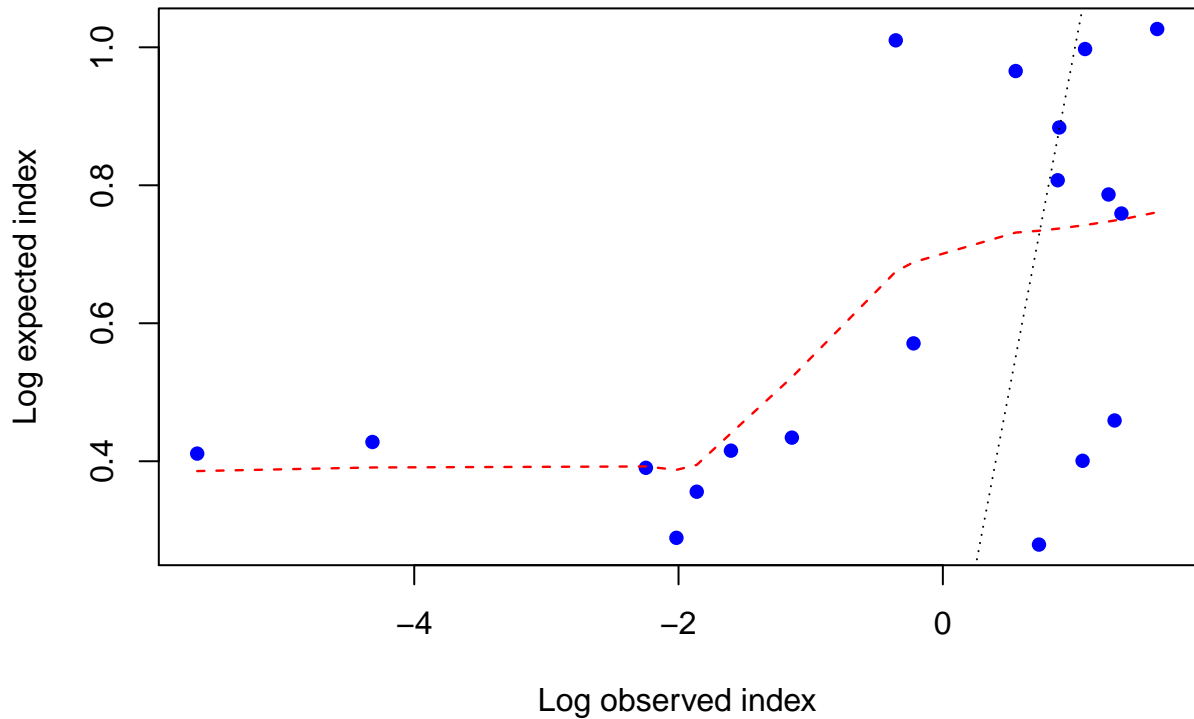
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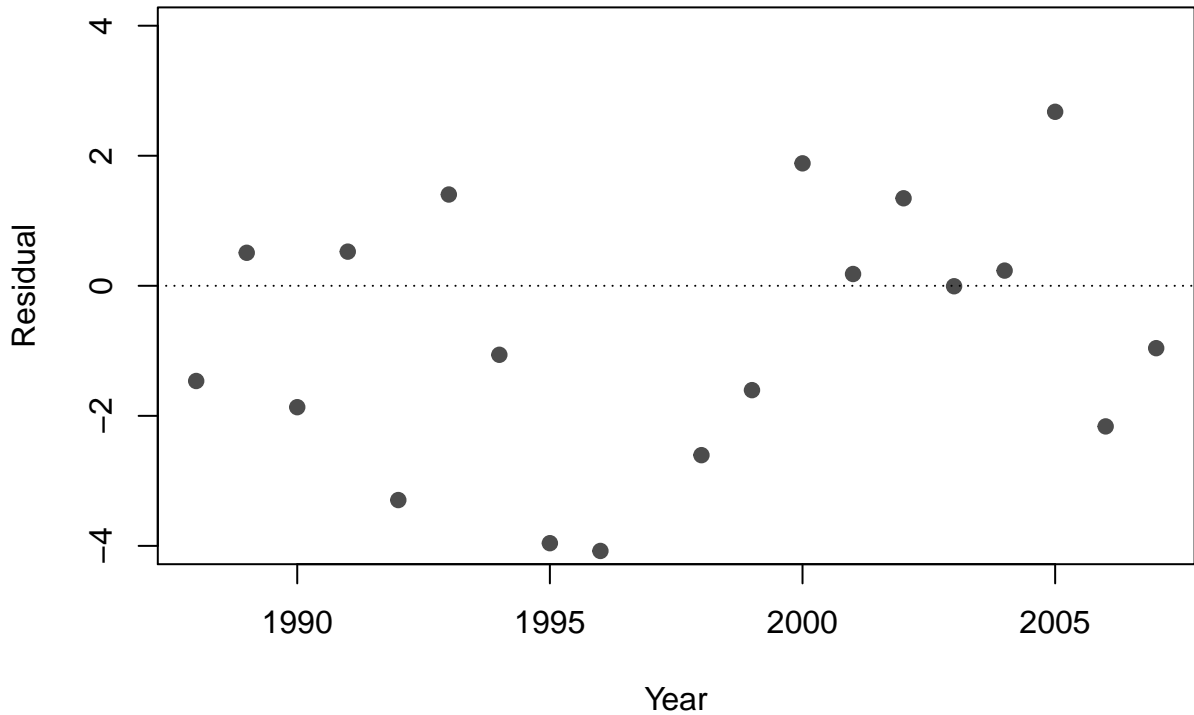
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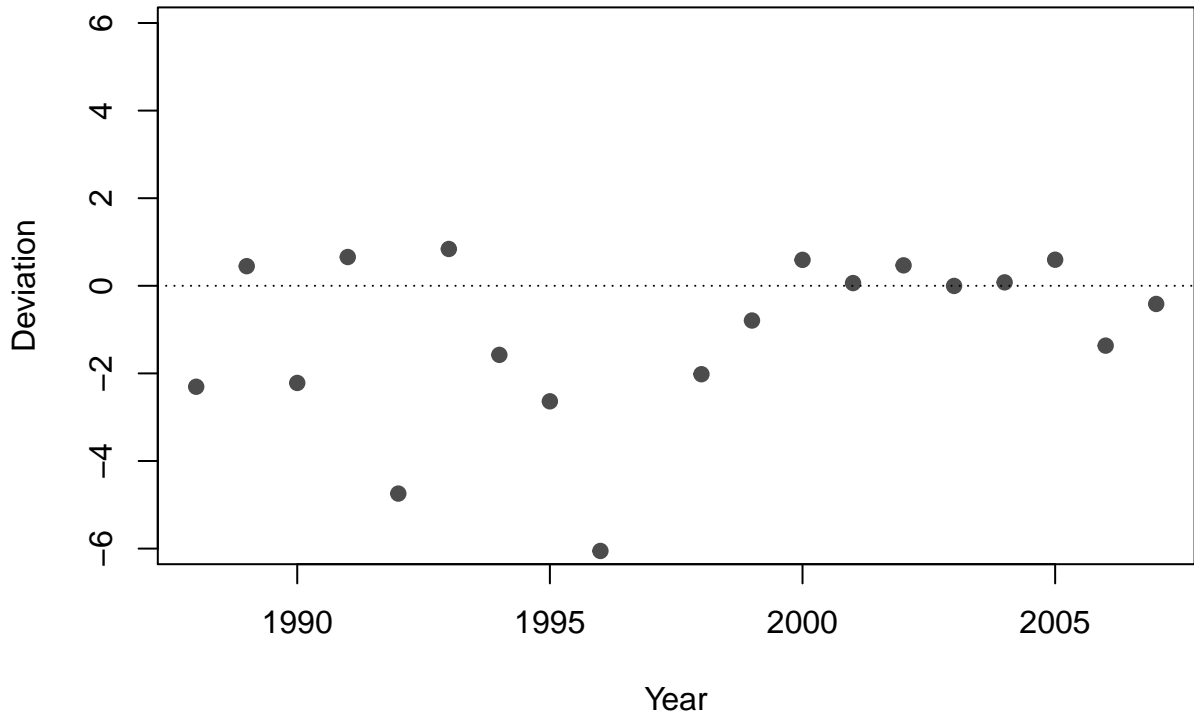
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Year

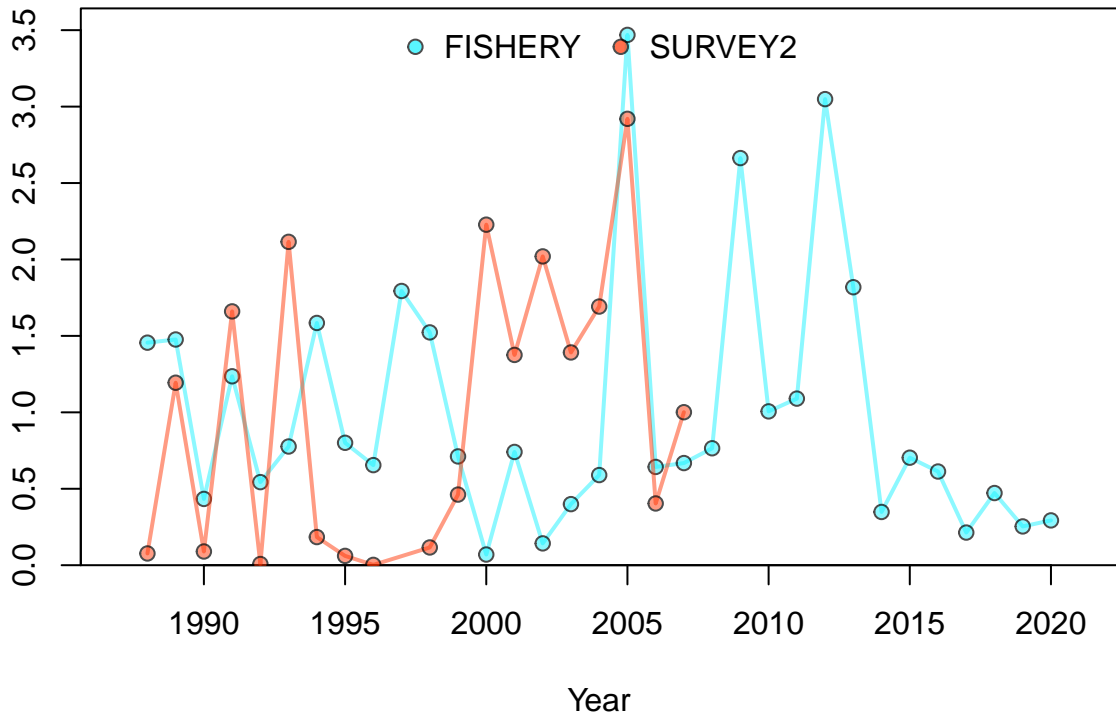




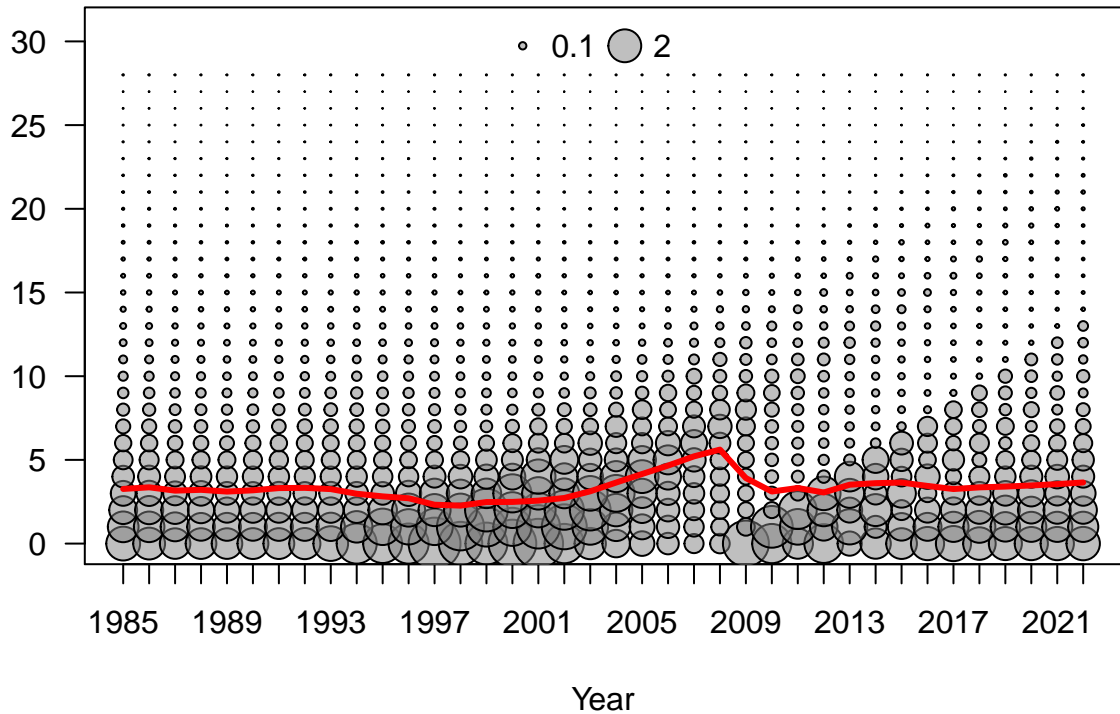




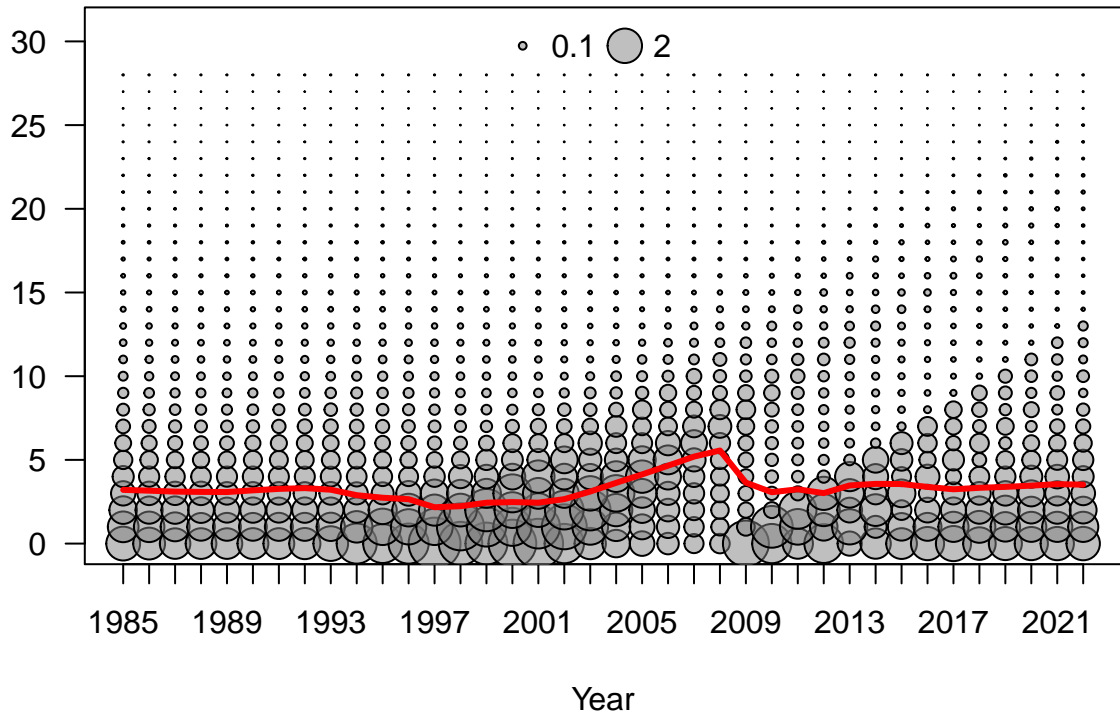
Standardized index

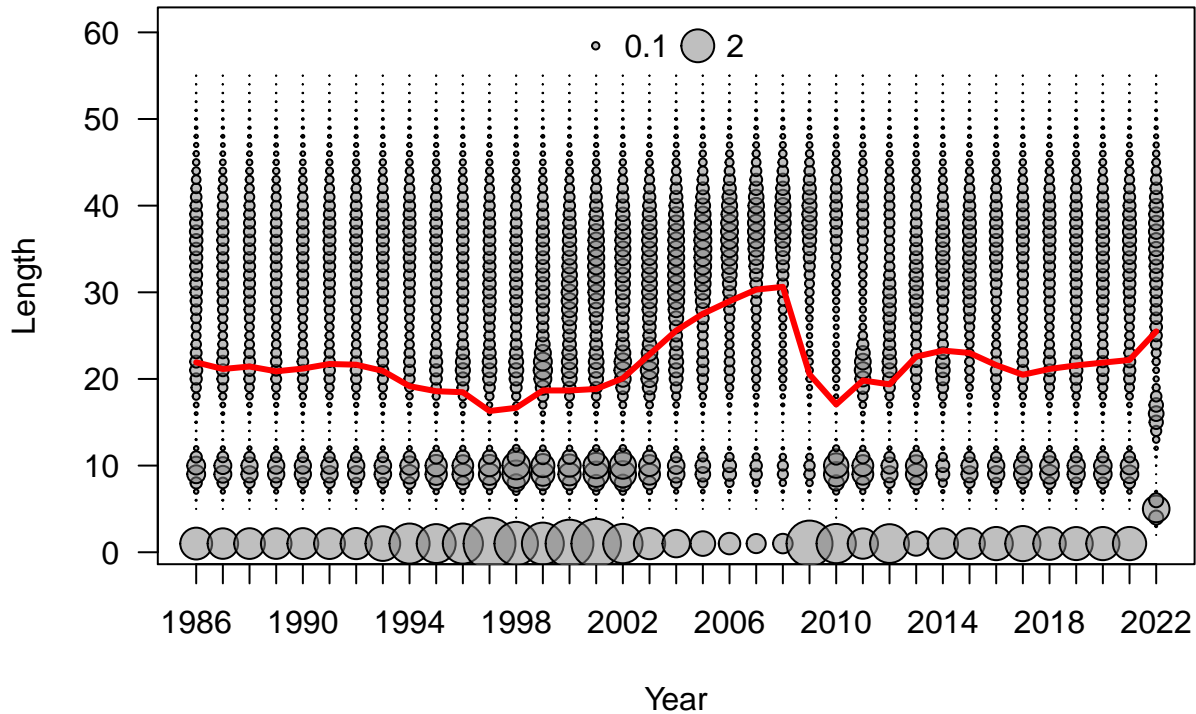


Age

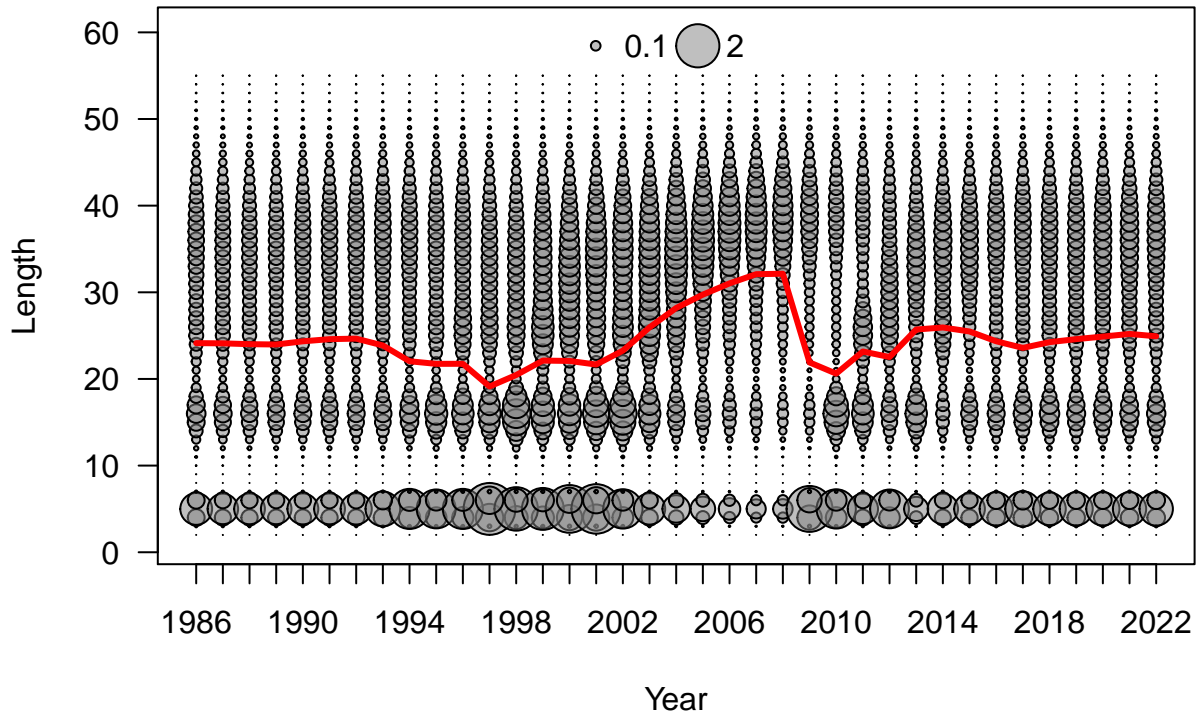


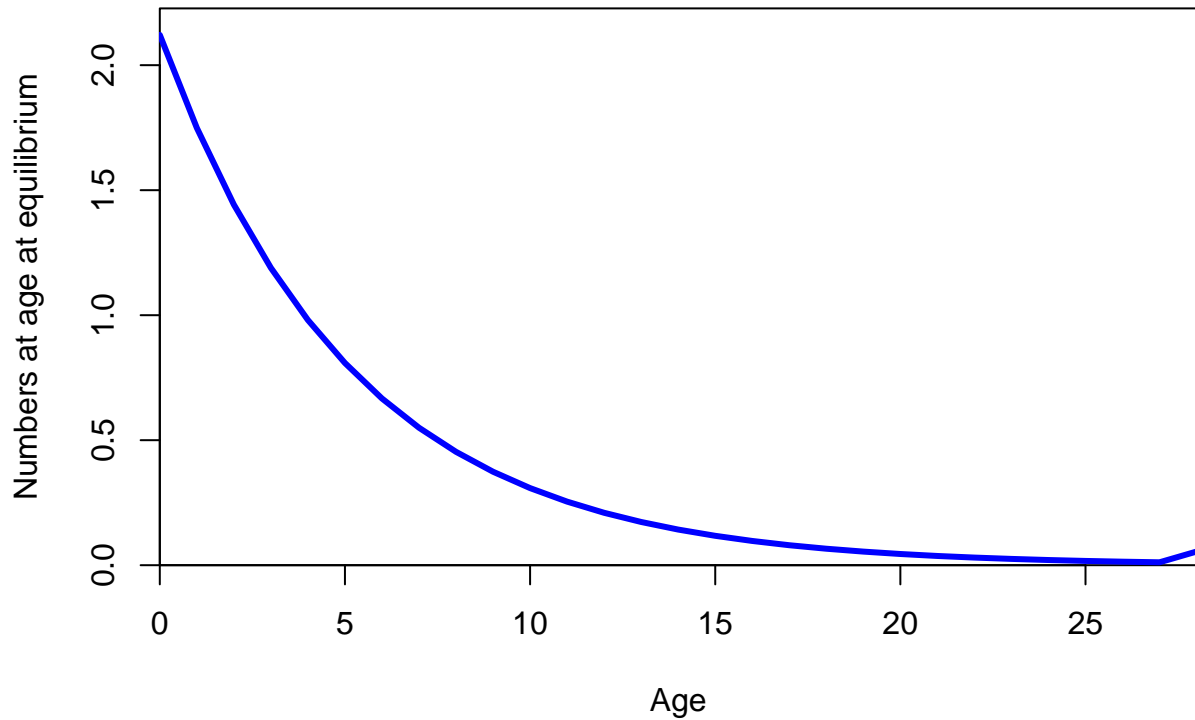
Age

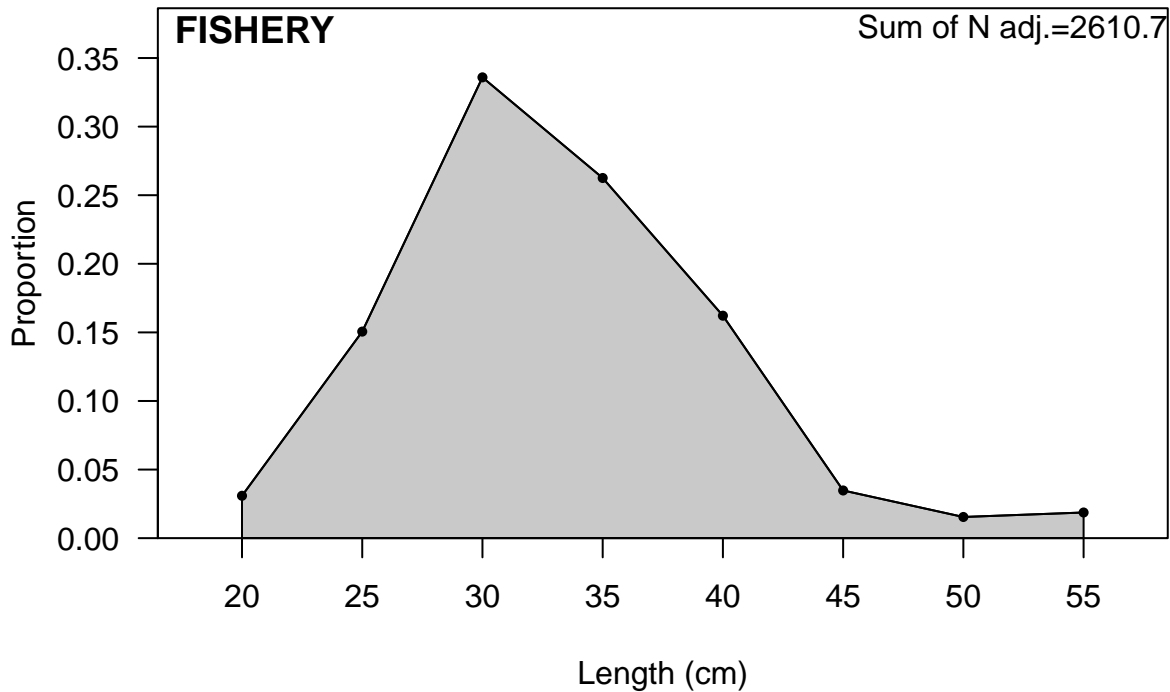


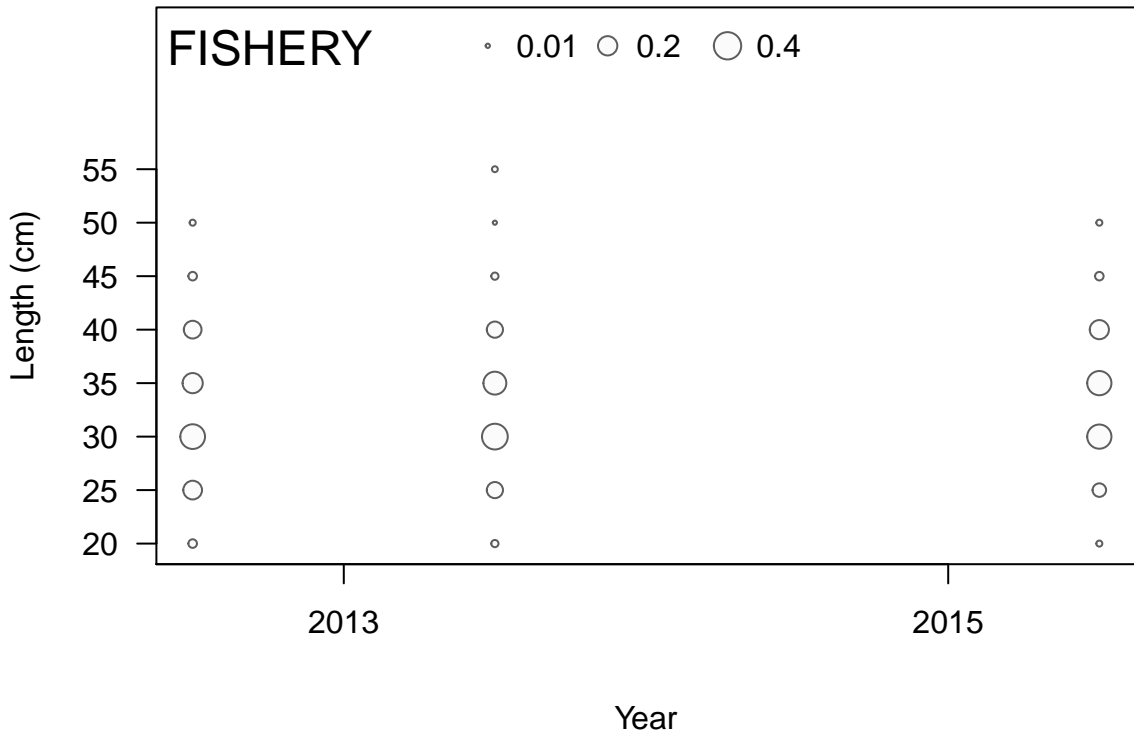


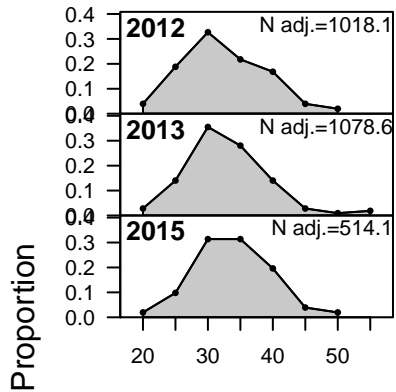




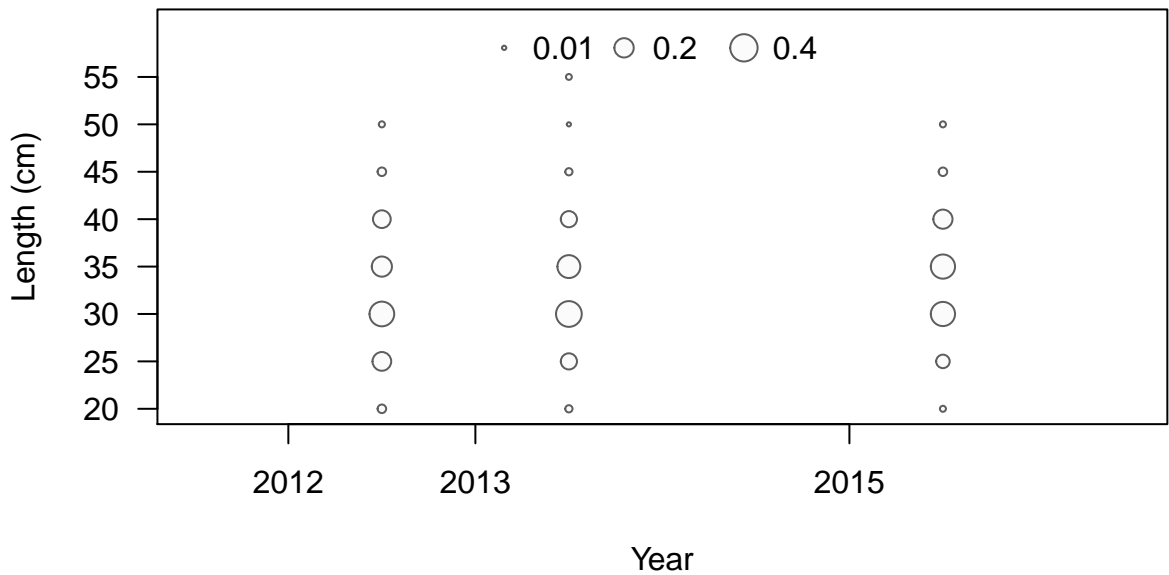




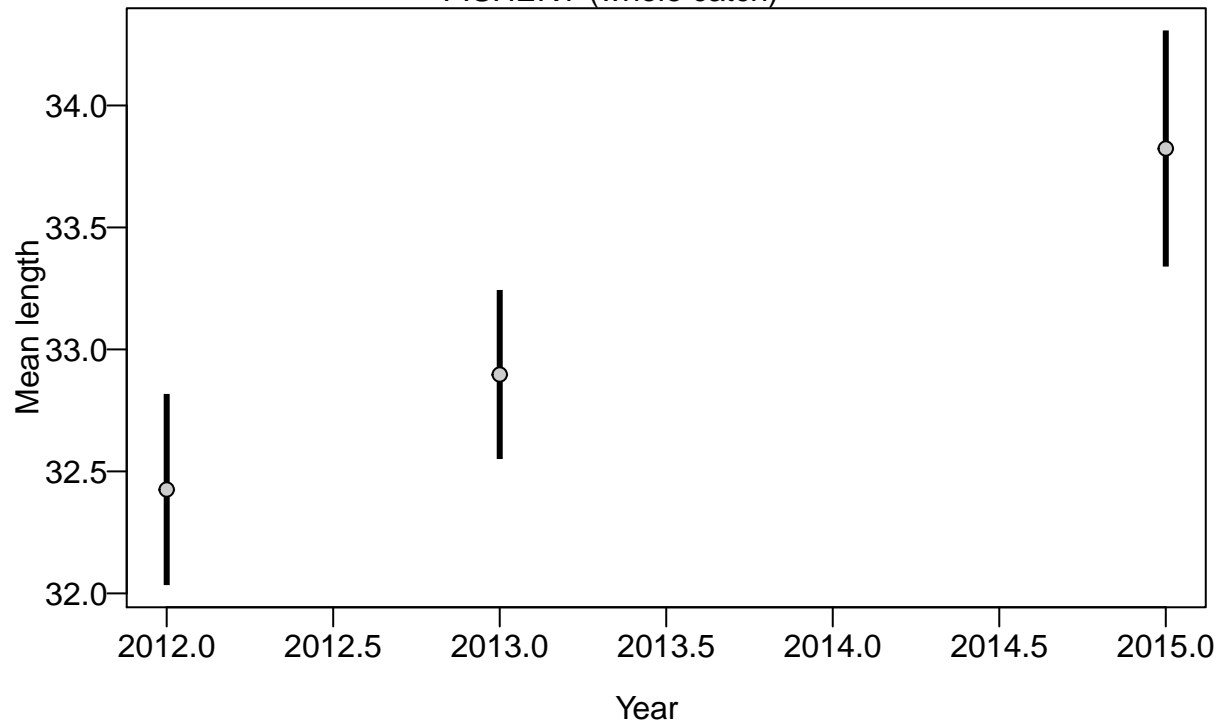


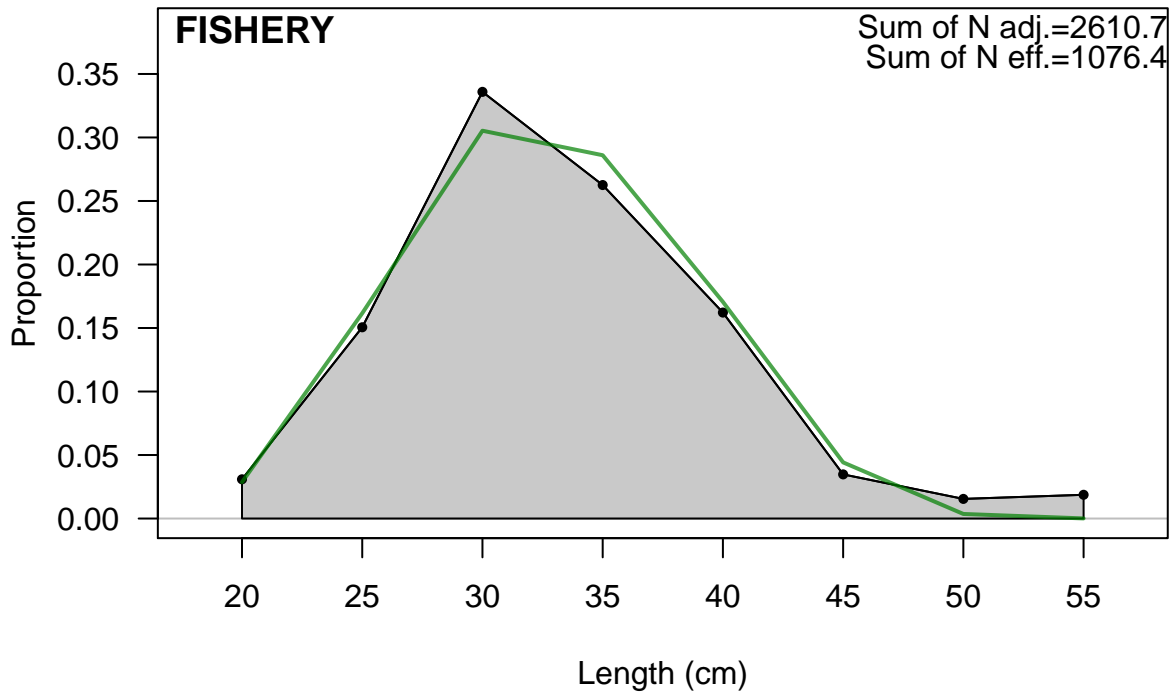


Length (cm)

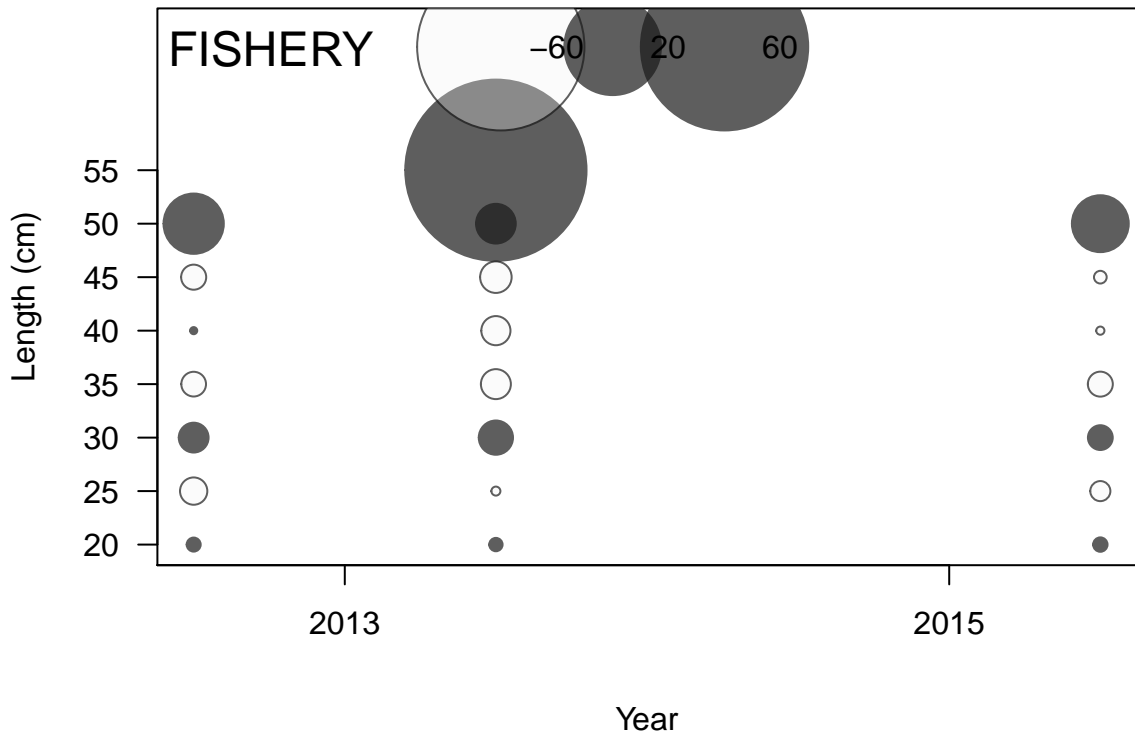


FISHERY (whole catch)

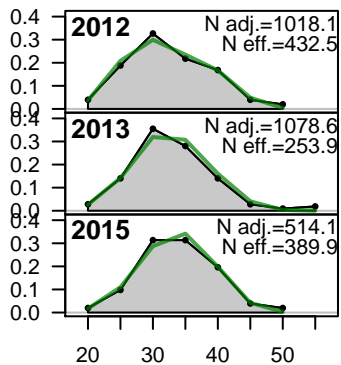




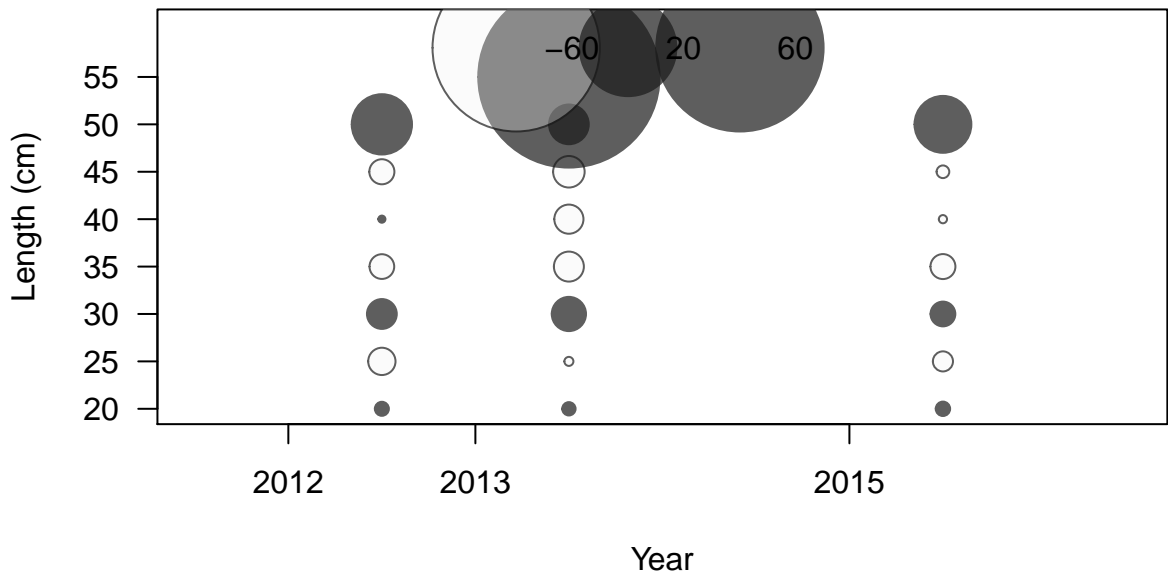




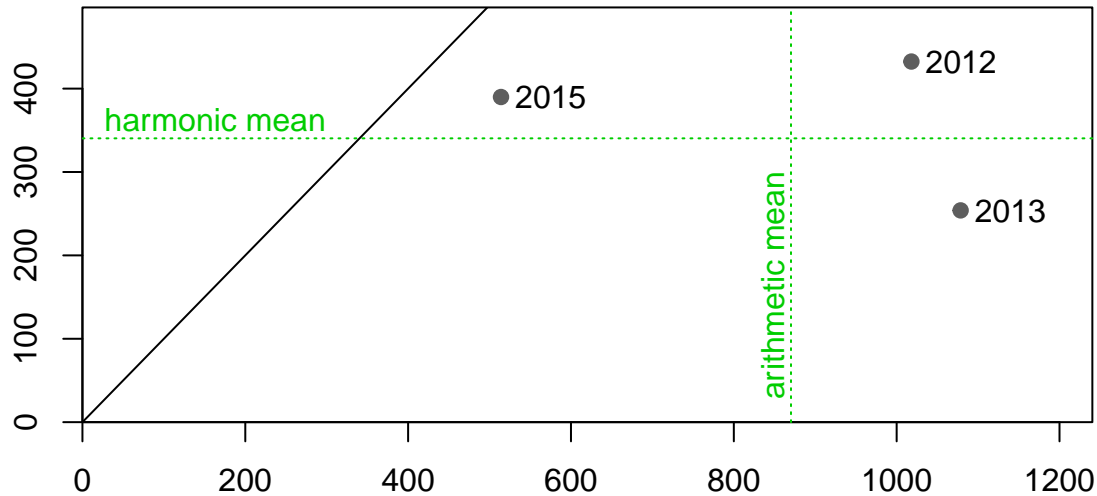
Proportion



Length (cm)

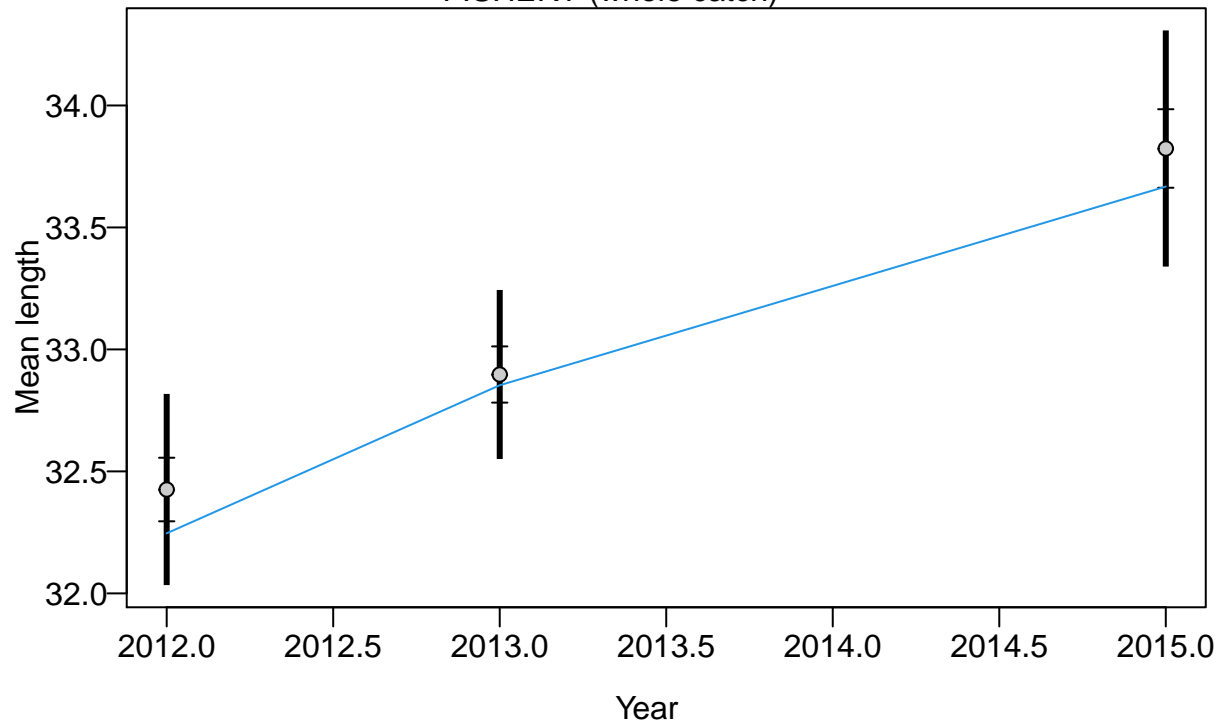


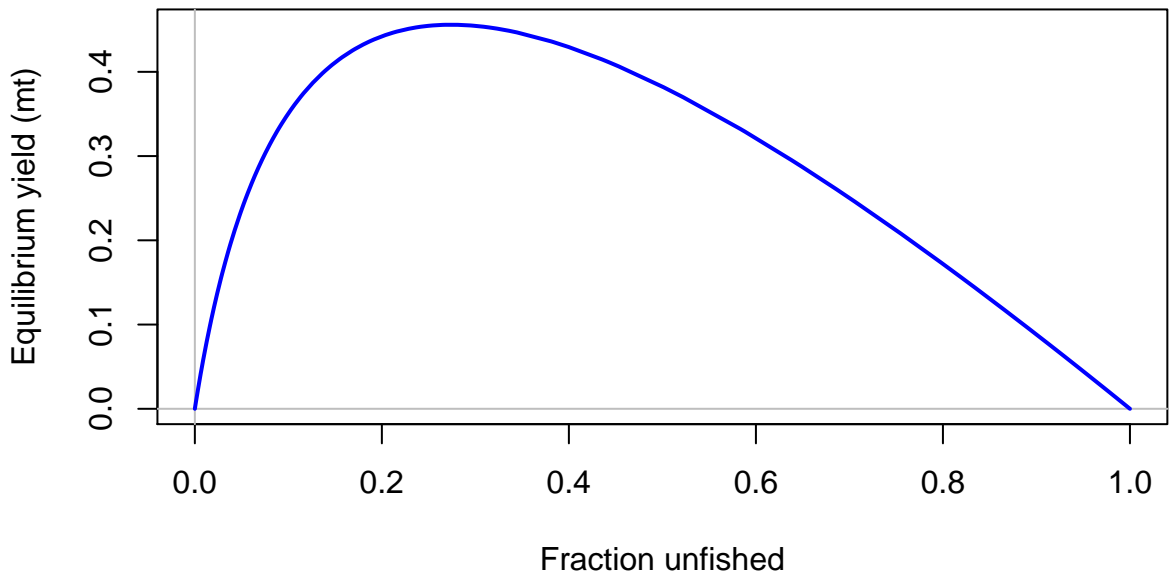
Effective sample size

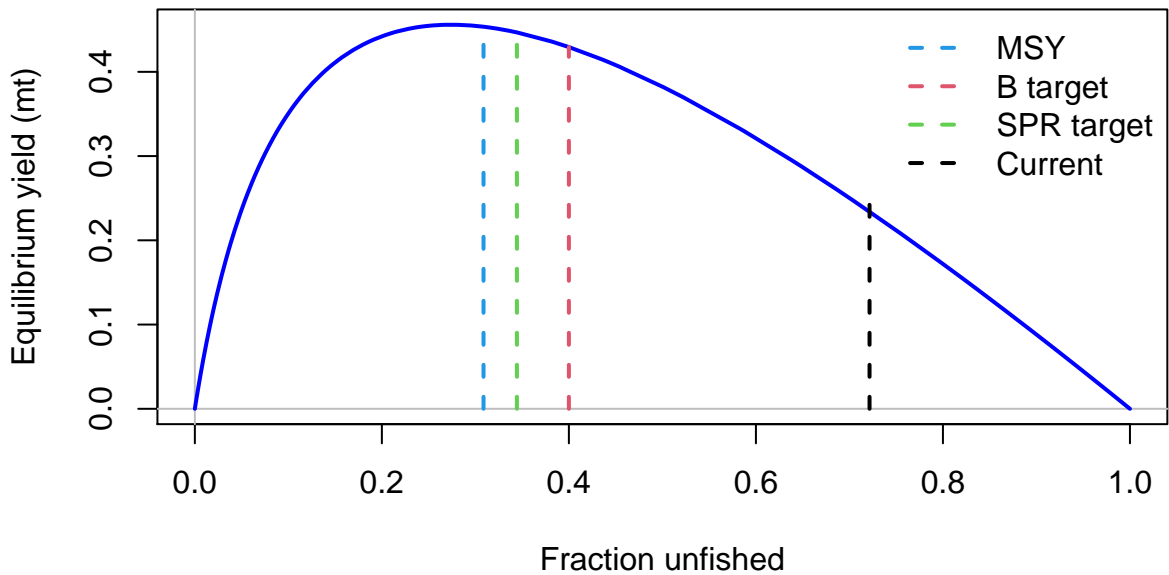


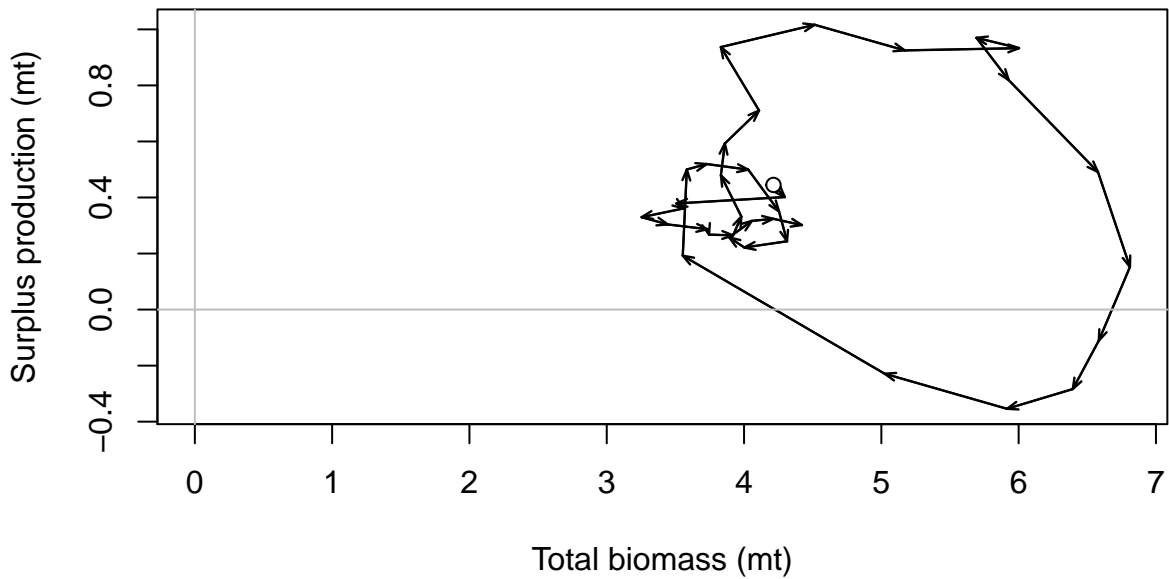
Observed sample size

FISHERY (whole catch)

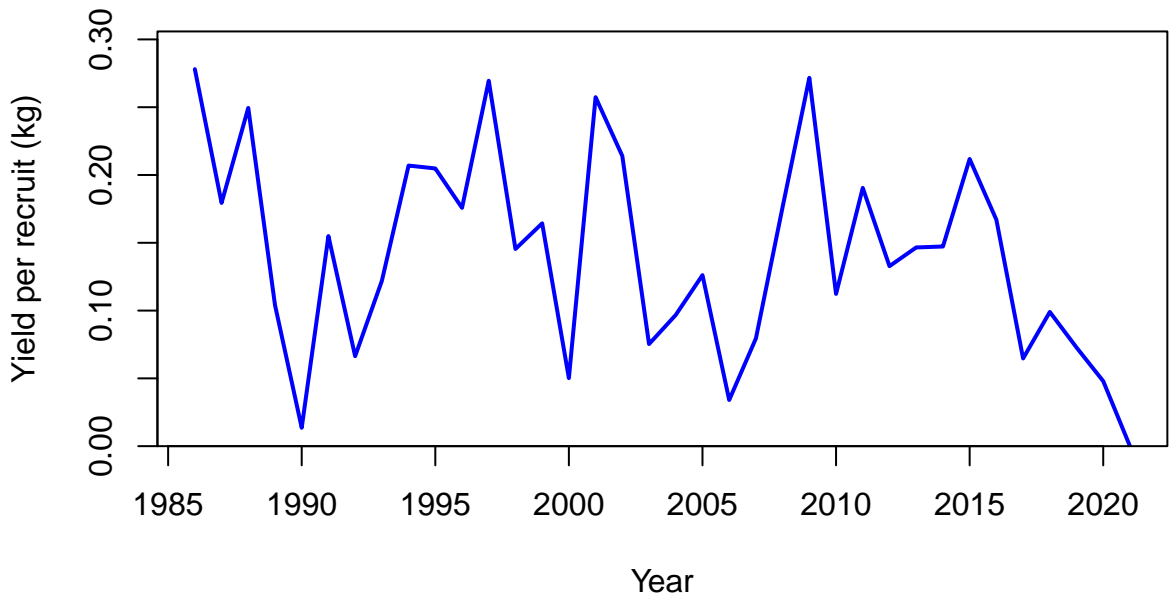


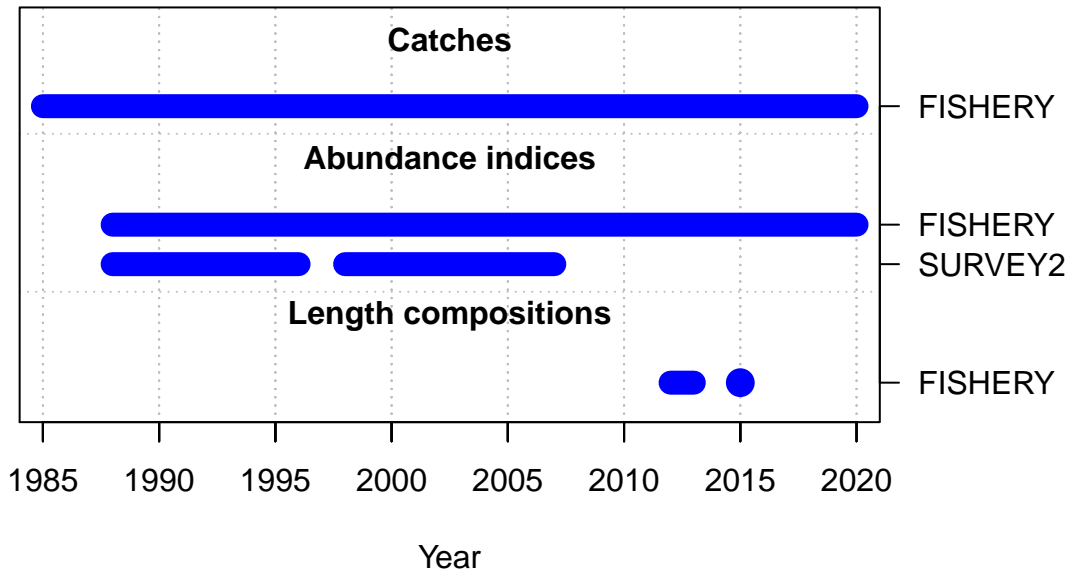


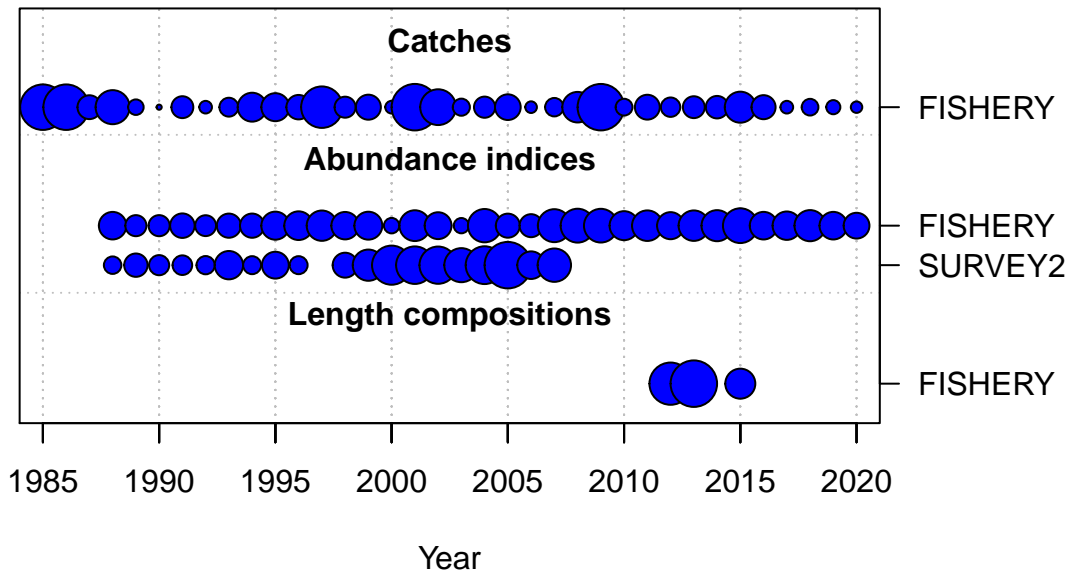




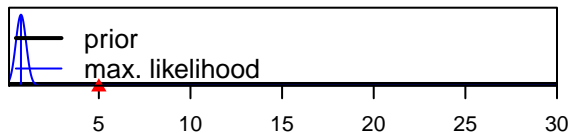




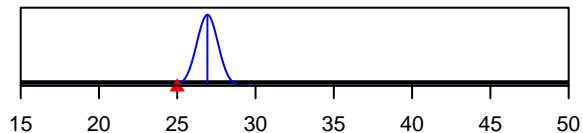




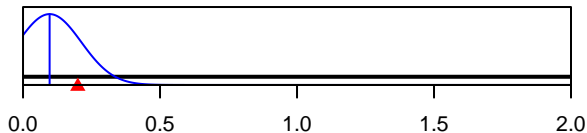
SR\_LN(R0)



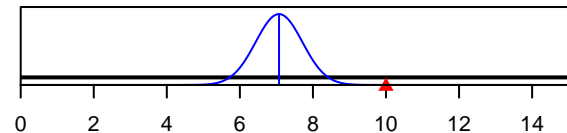
Size\_inflection\_FISHERY(1)



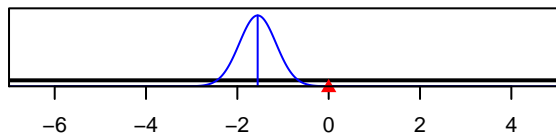
InitF\_seas\_1\_flt\_1FISHERY



Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)

