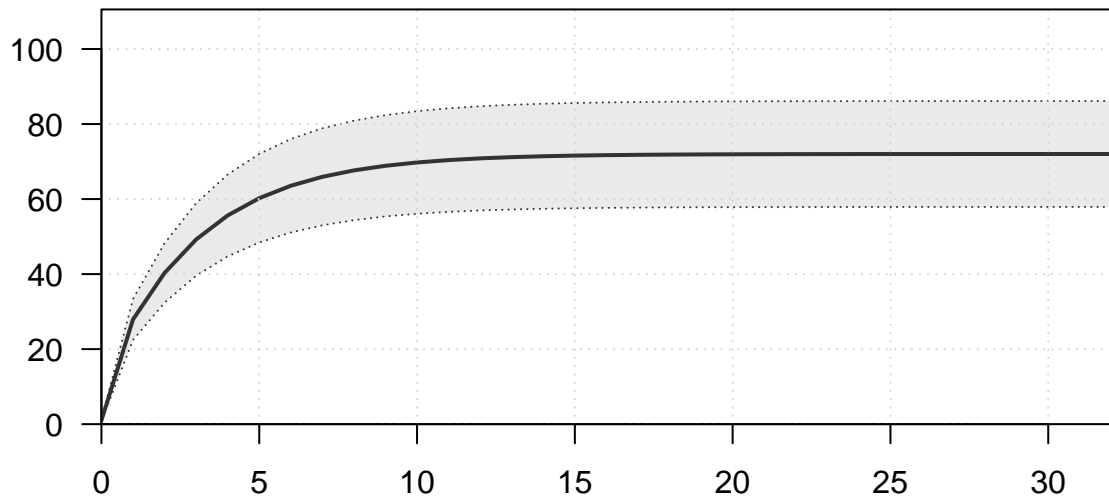
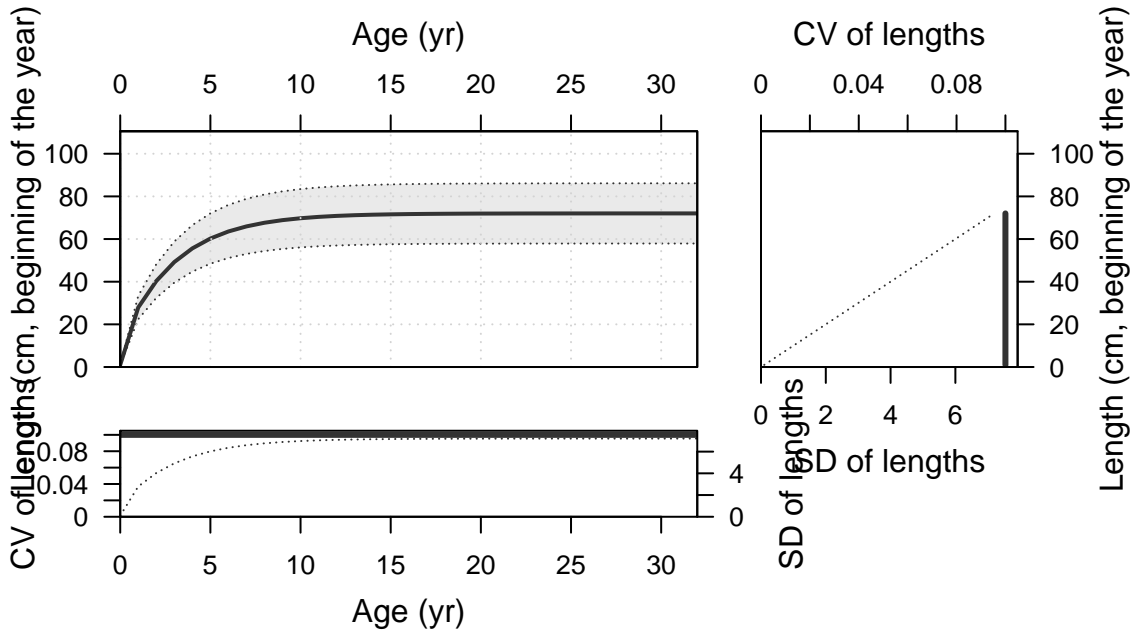


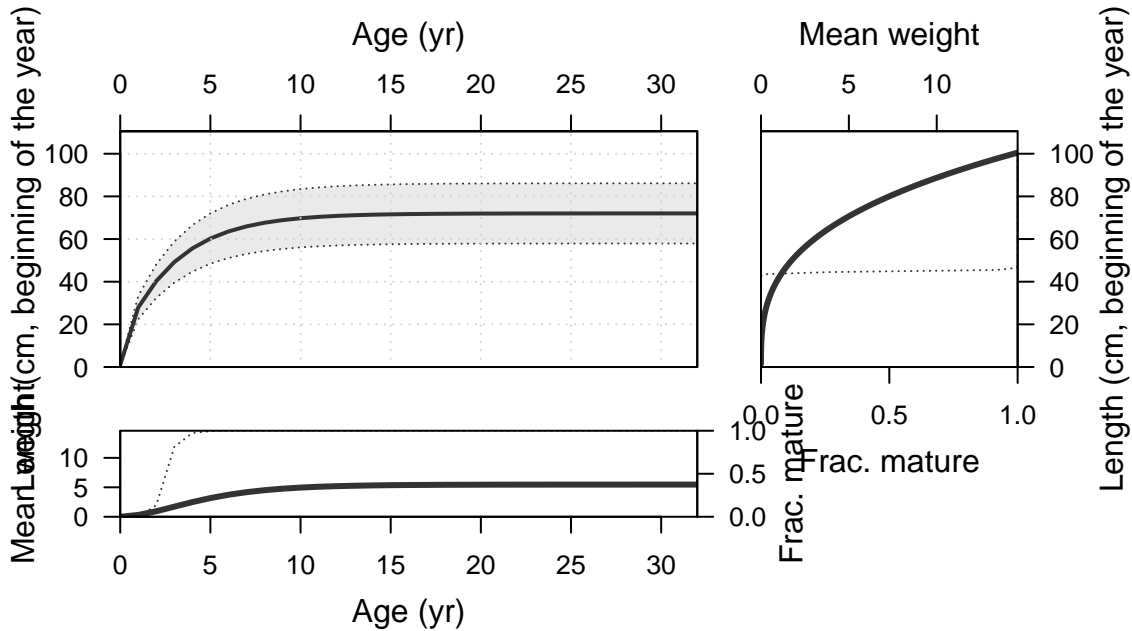
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Fri Jul 08 10:55:54 2022  
Data\_File: data.ss  
Control\_File: control.ss

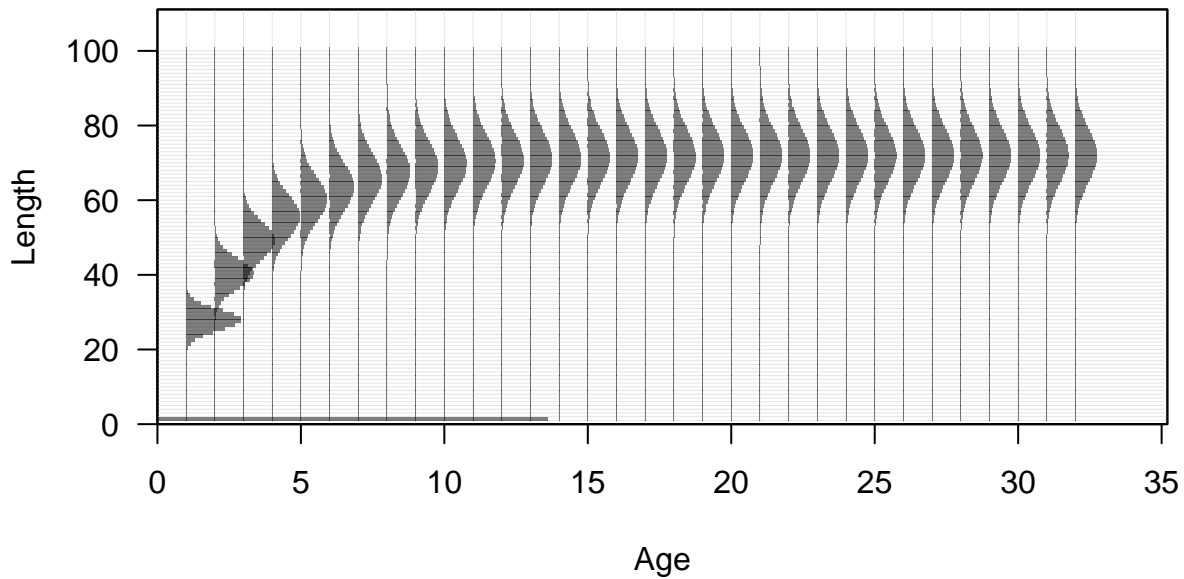
Length (cm, beginning of the year)

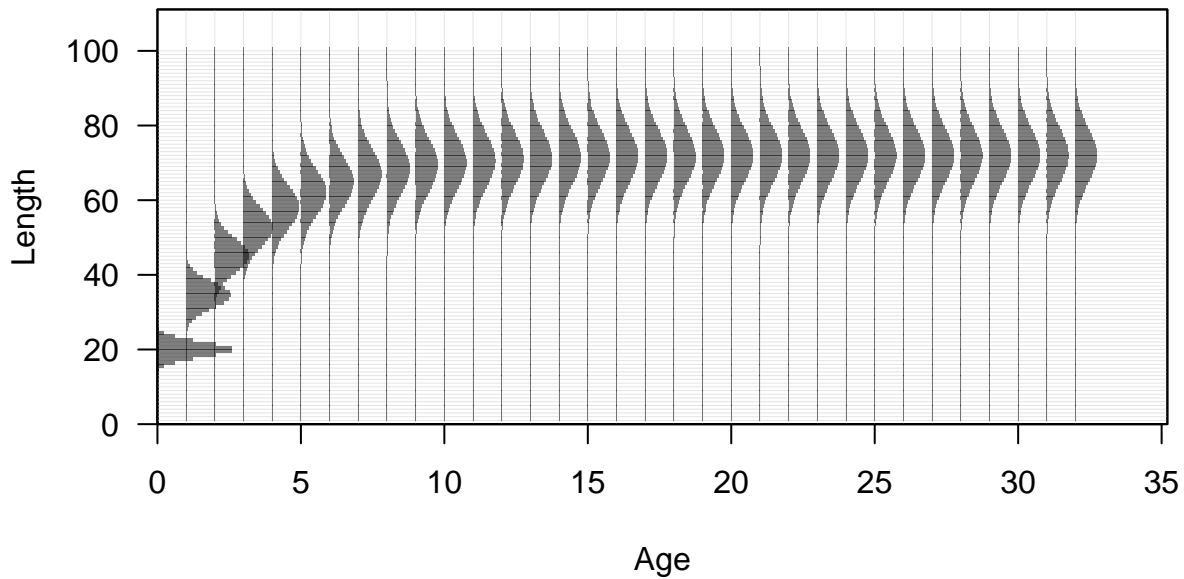


Age (yr)

















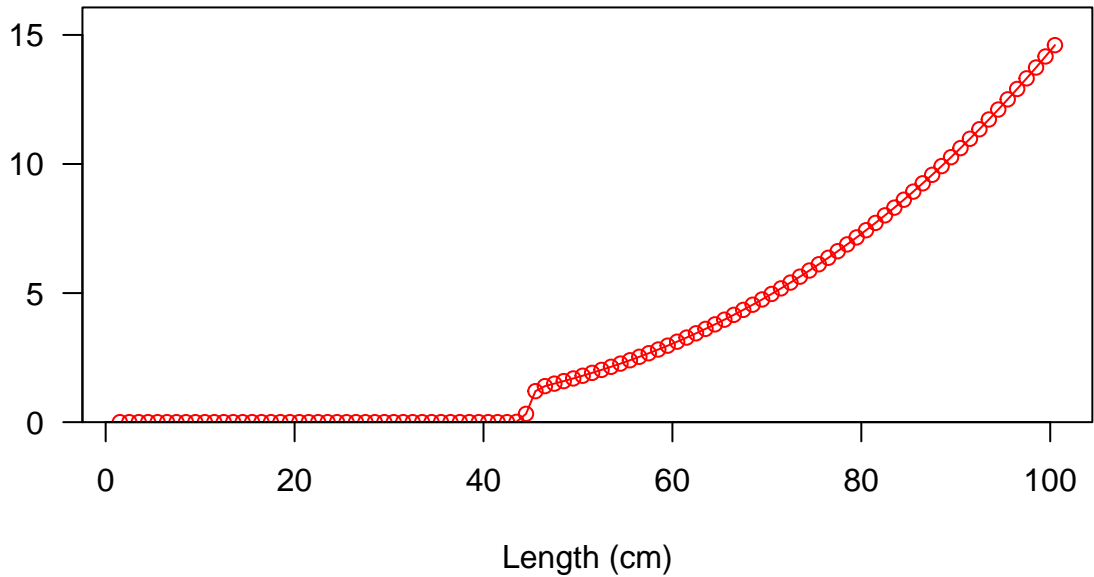
Fecundity

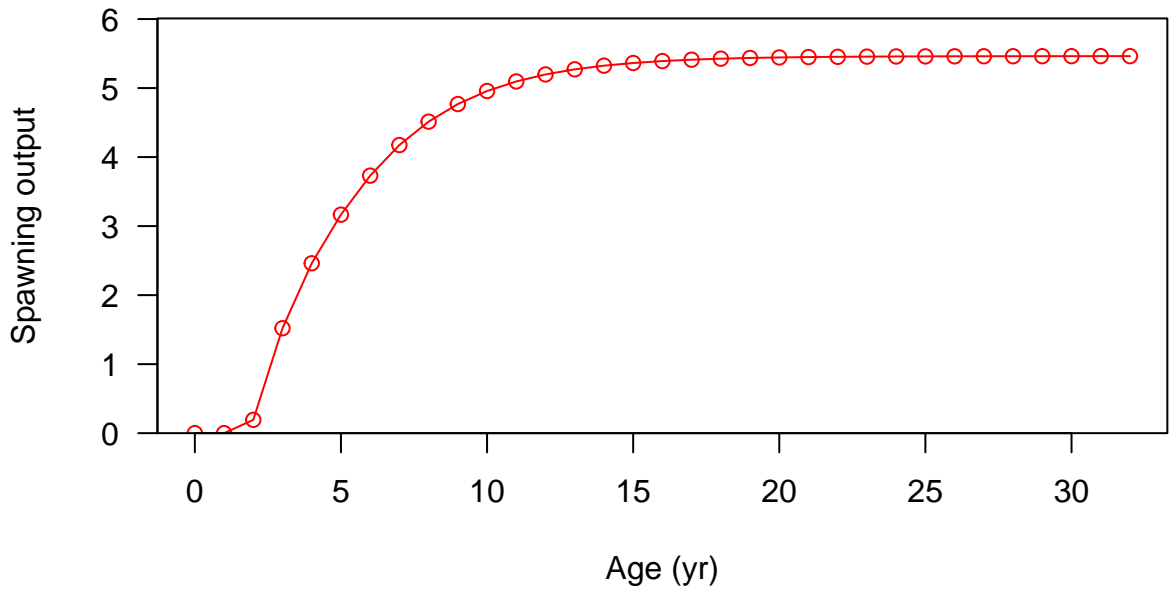


Fecundity

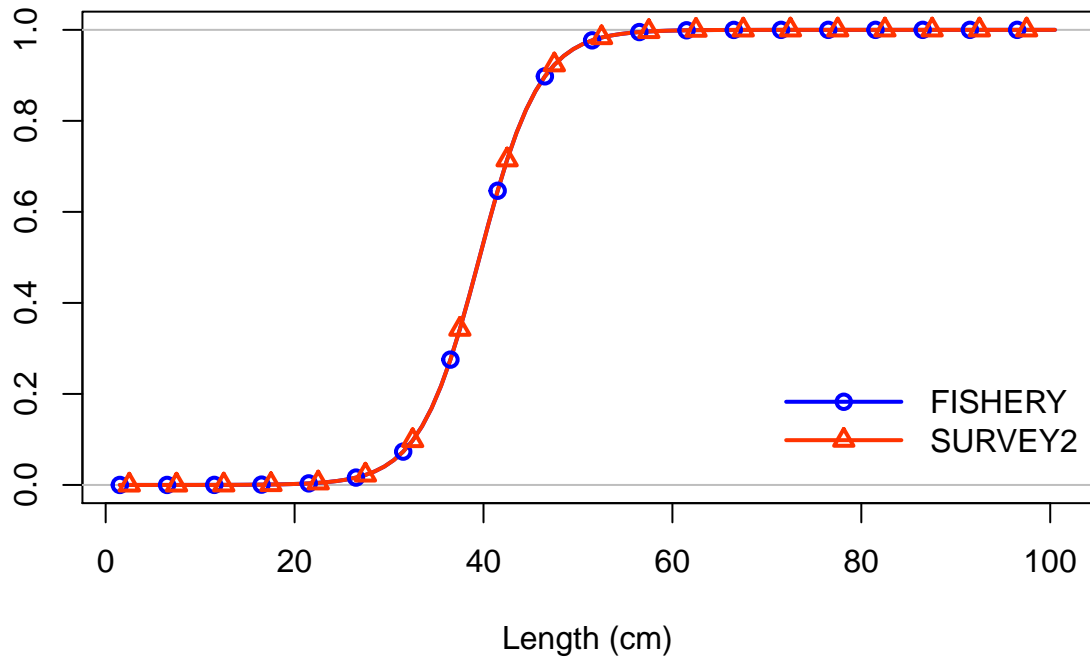


Spawning output

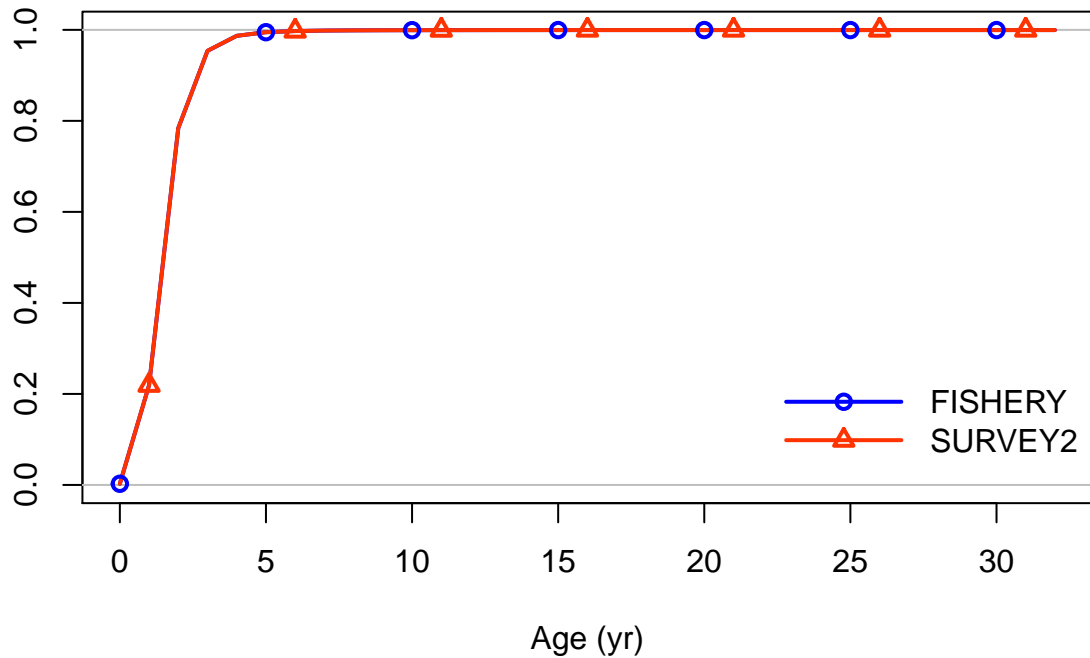




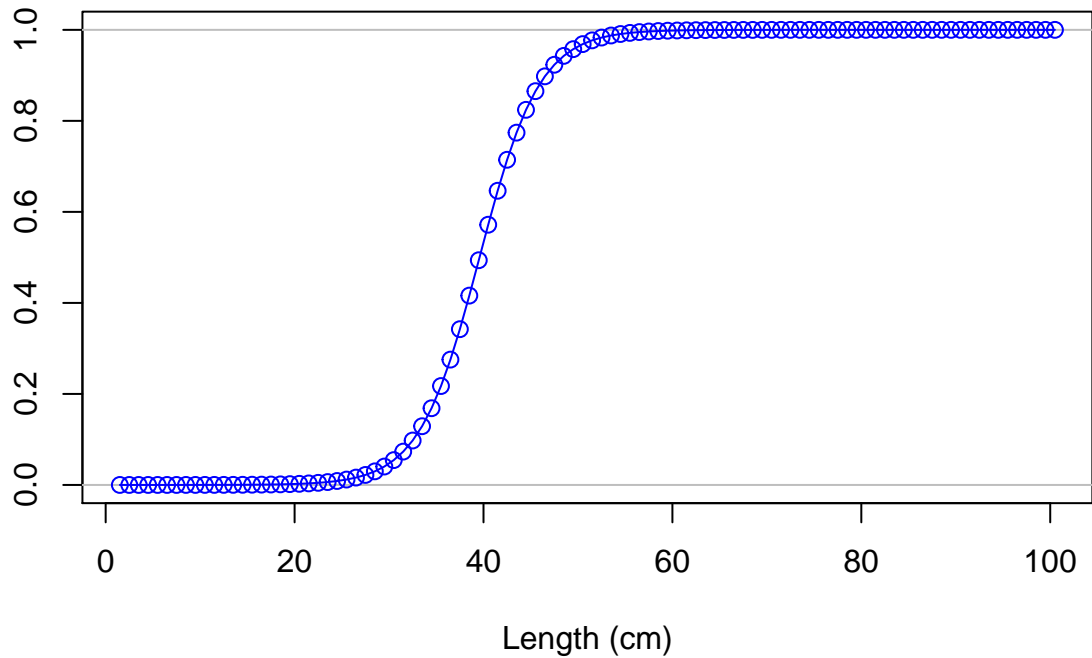
Selectivity



Selectivity

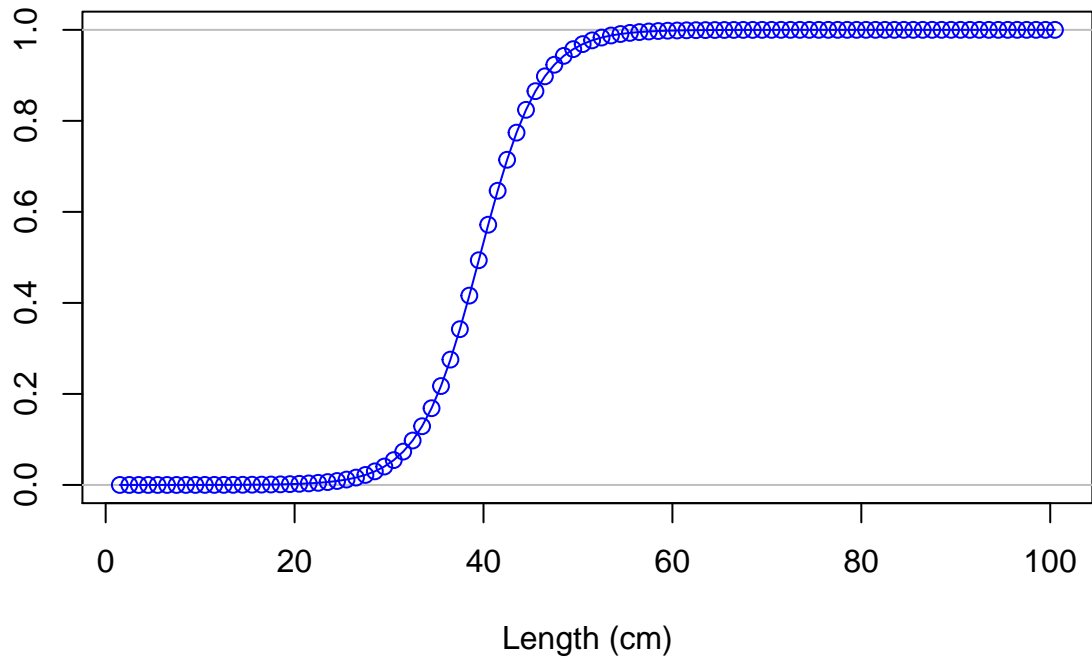


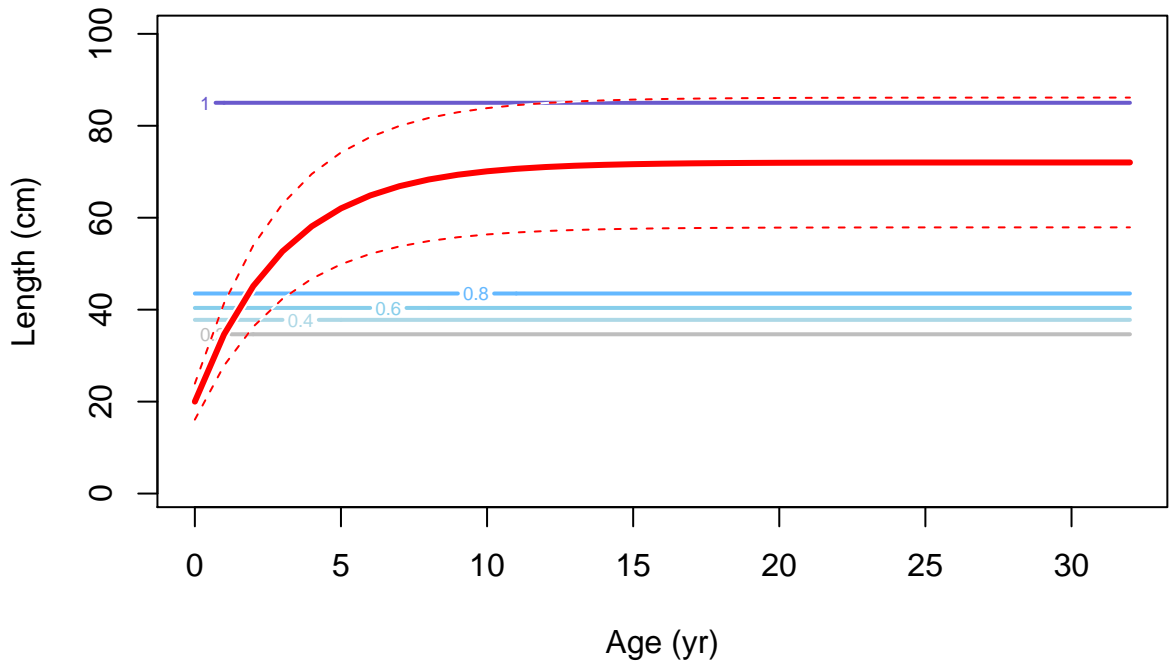
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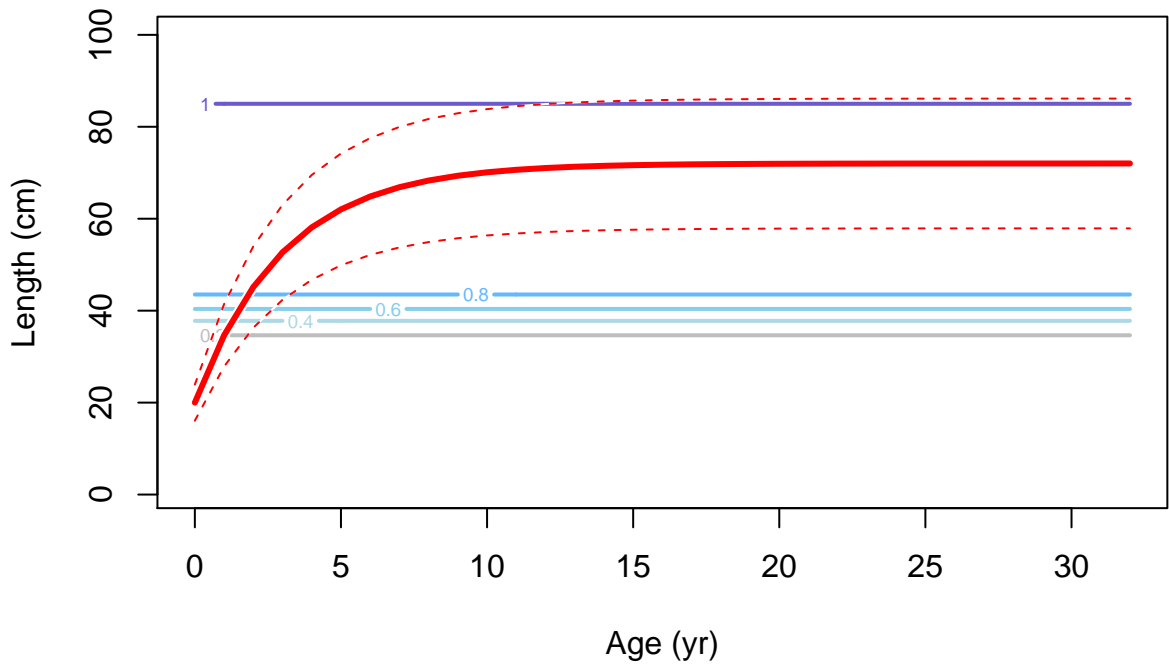


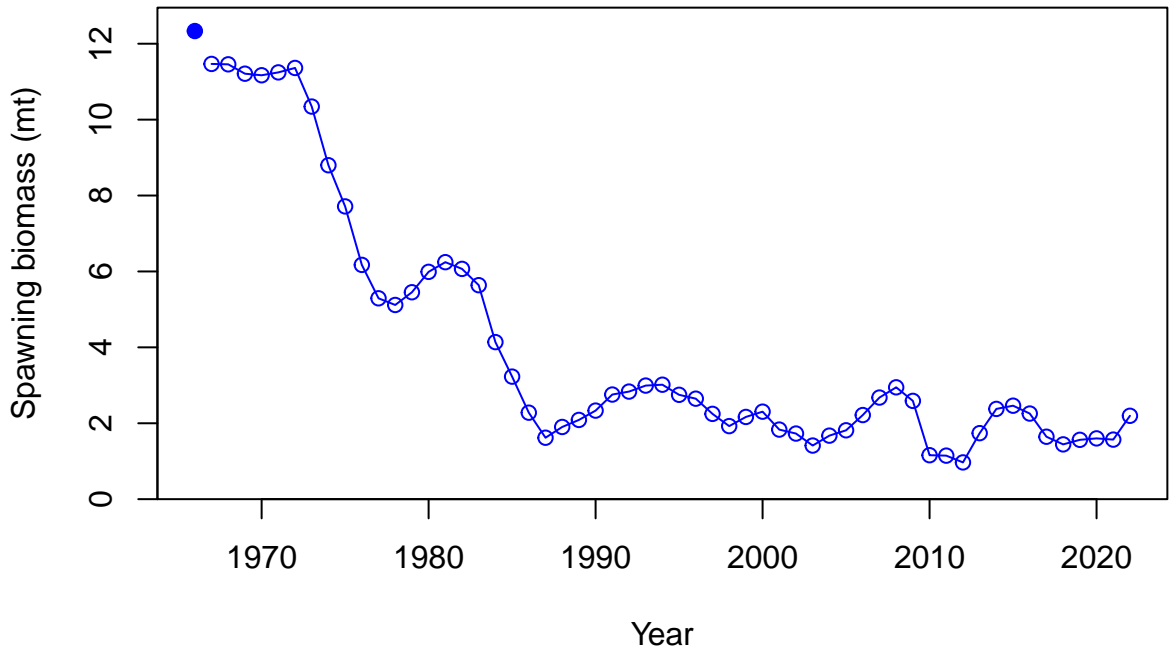


Selectivity

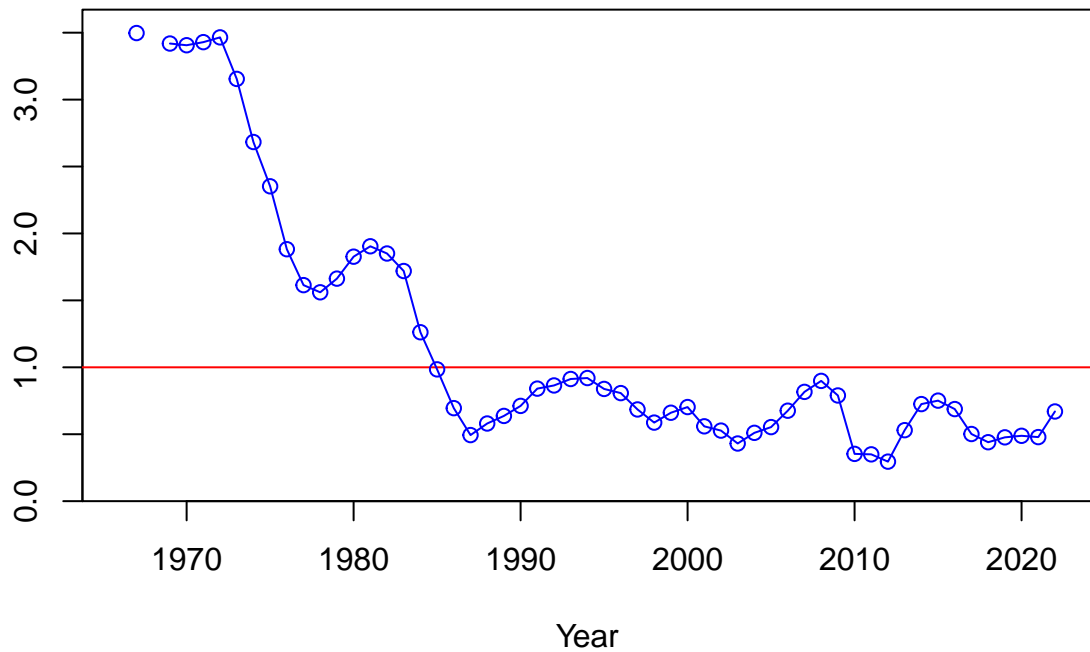


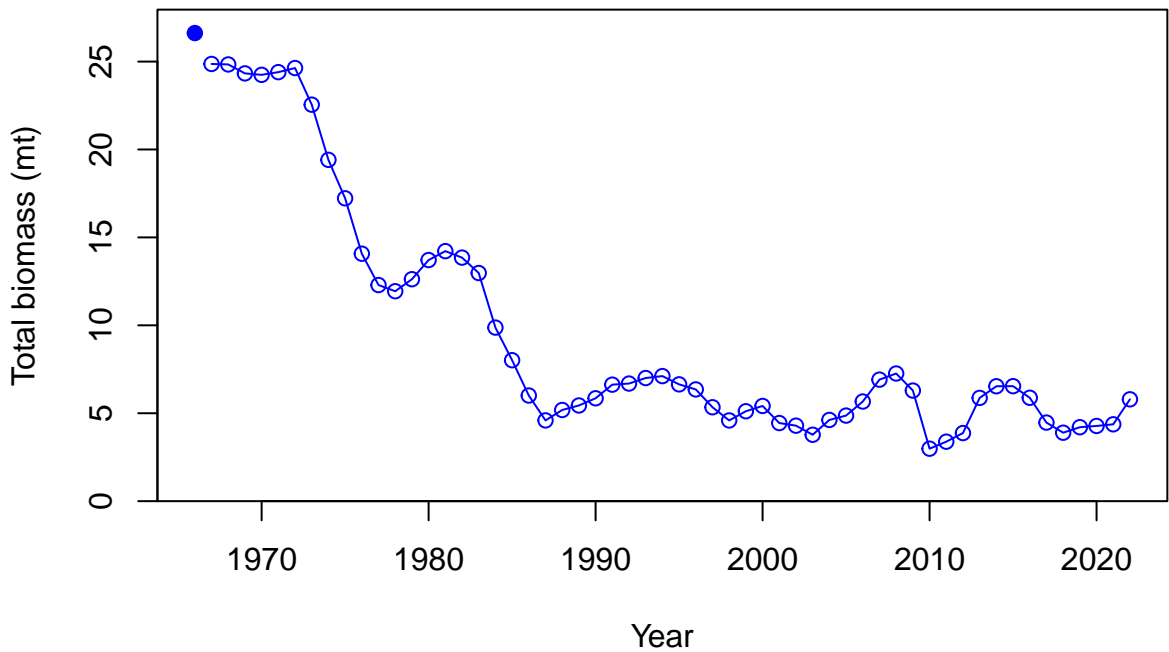


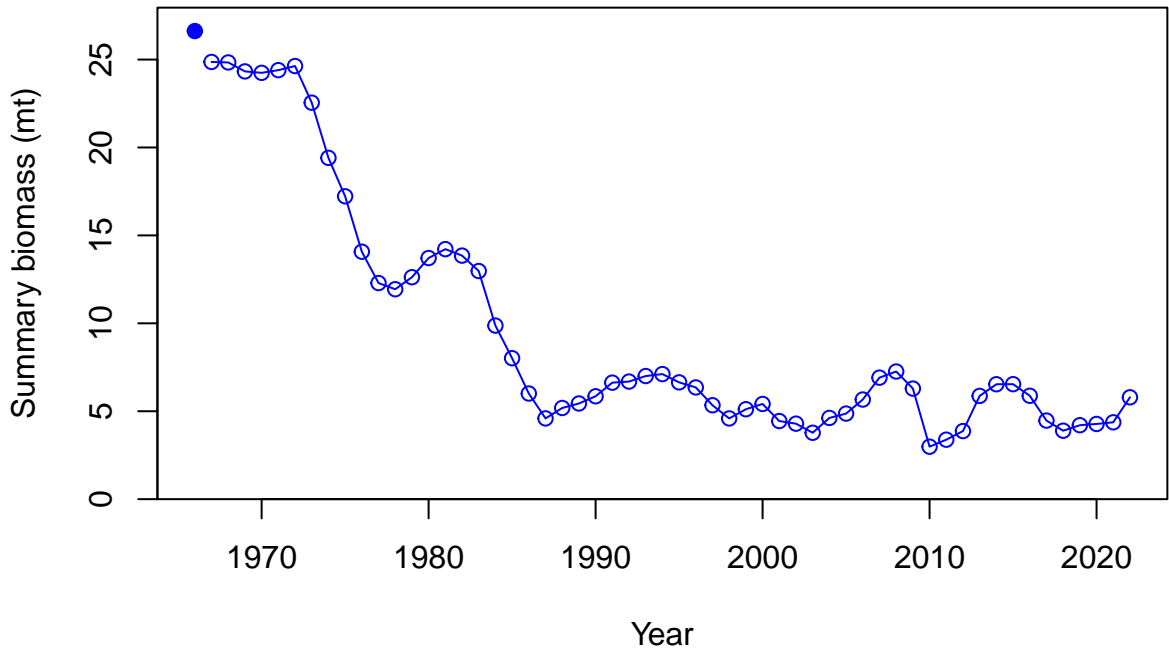




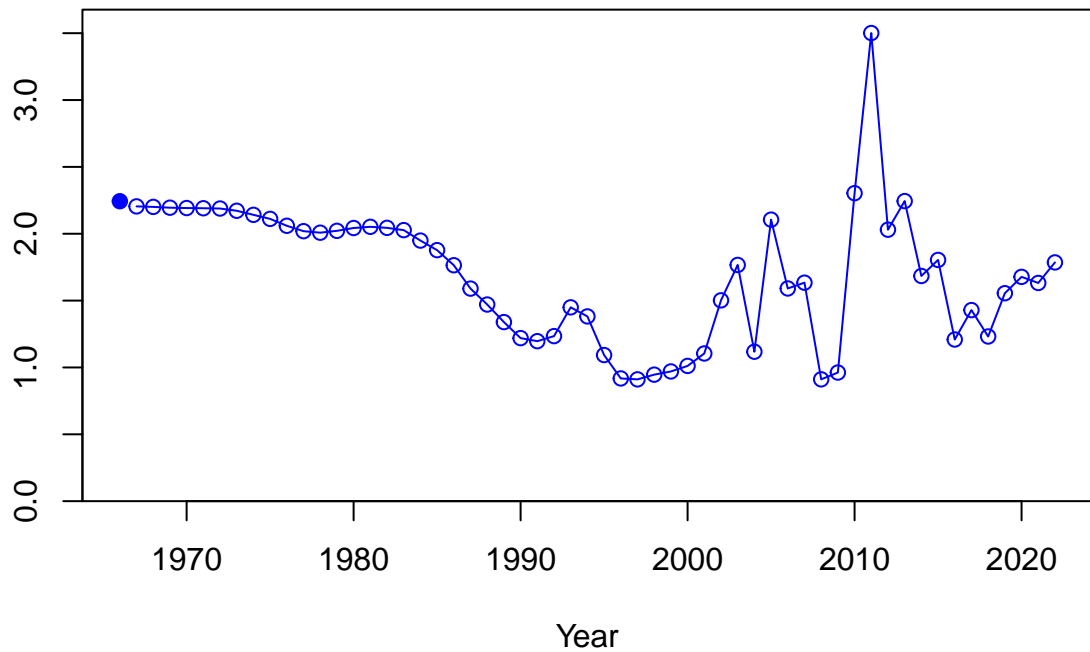
Relative spawning biomass:  $B/B_{MSY}$





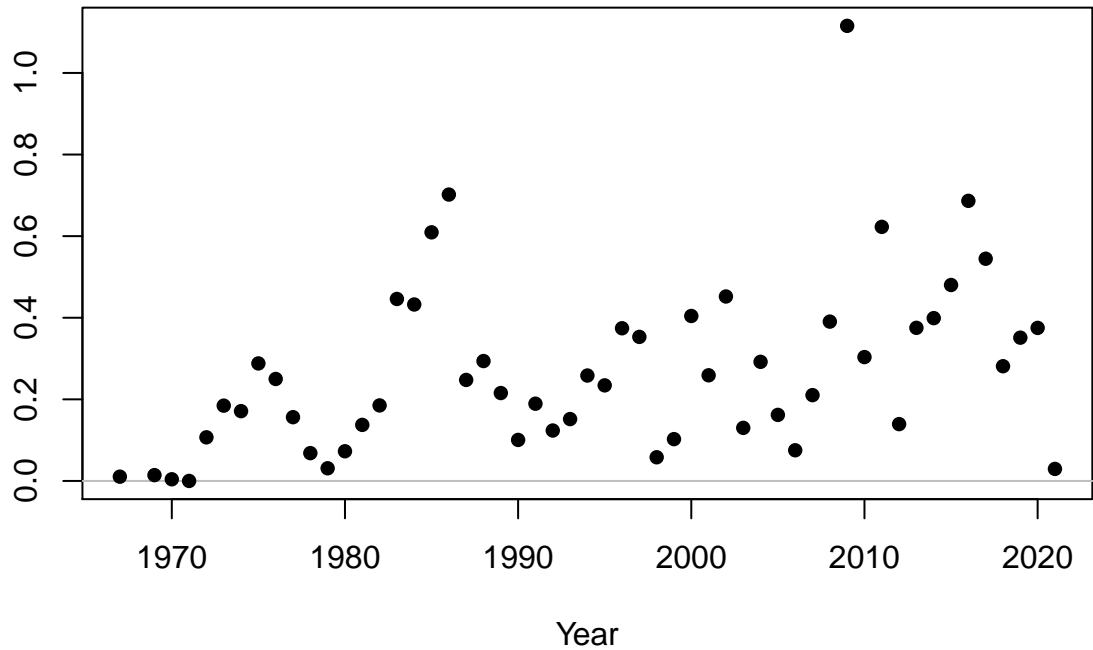


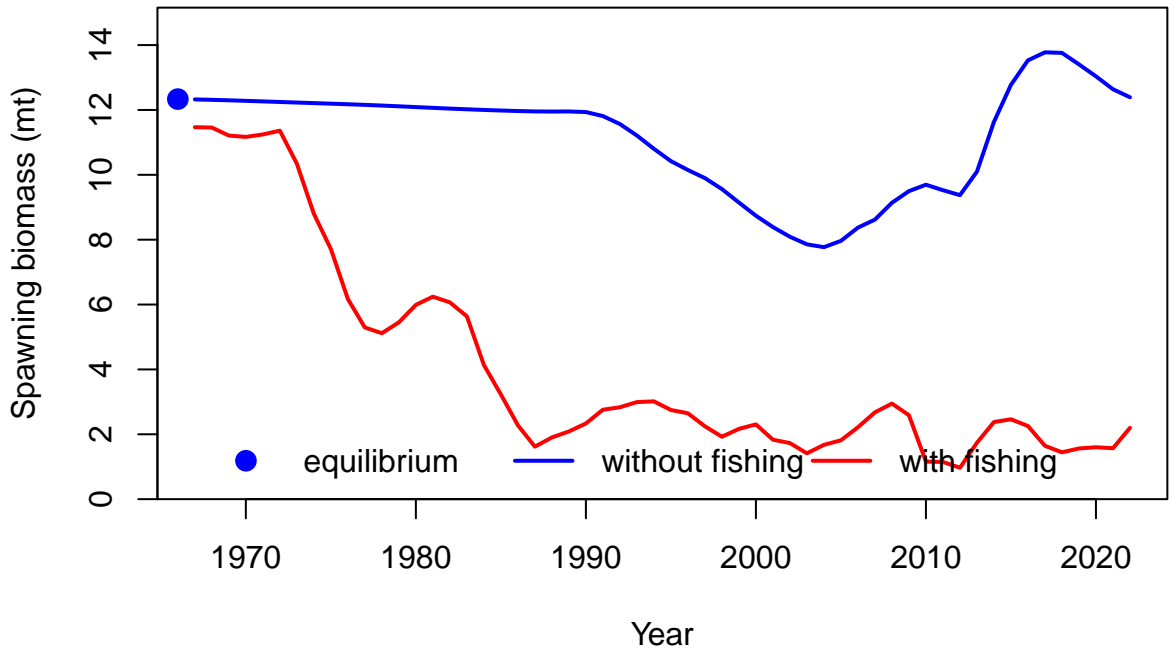
Age-0 recruits (1,000s)



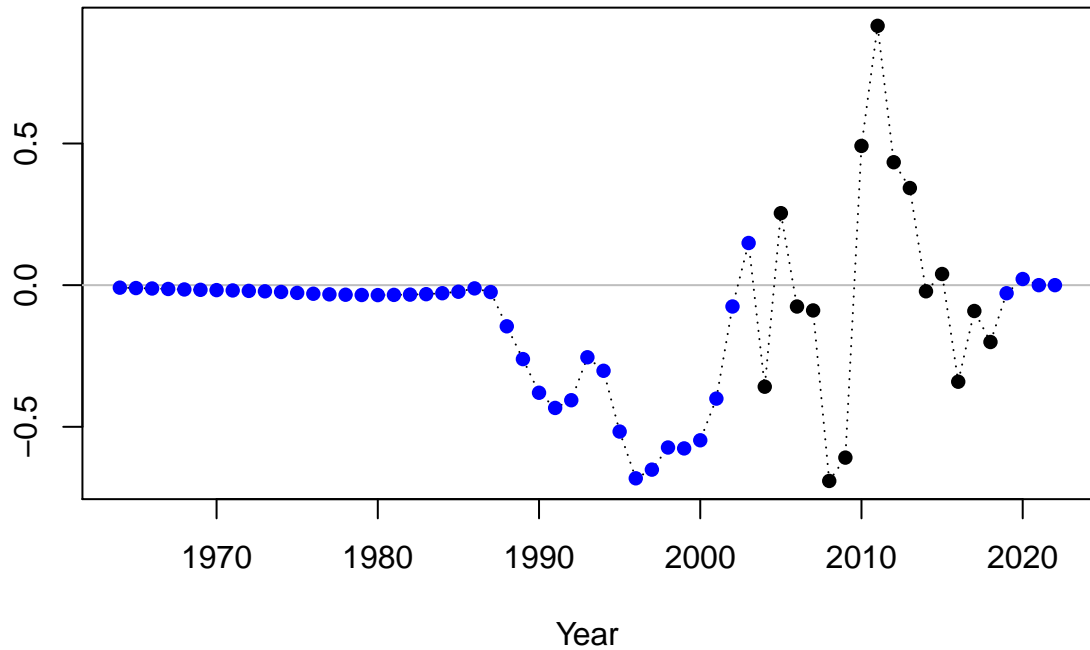


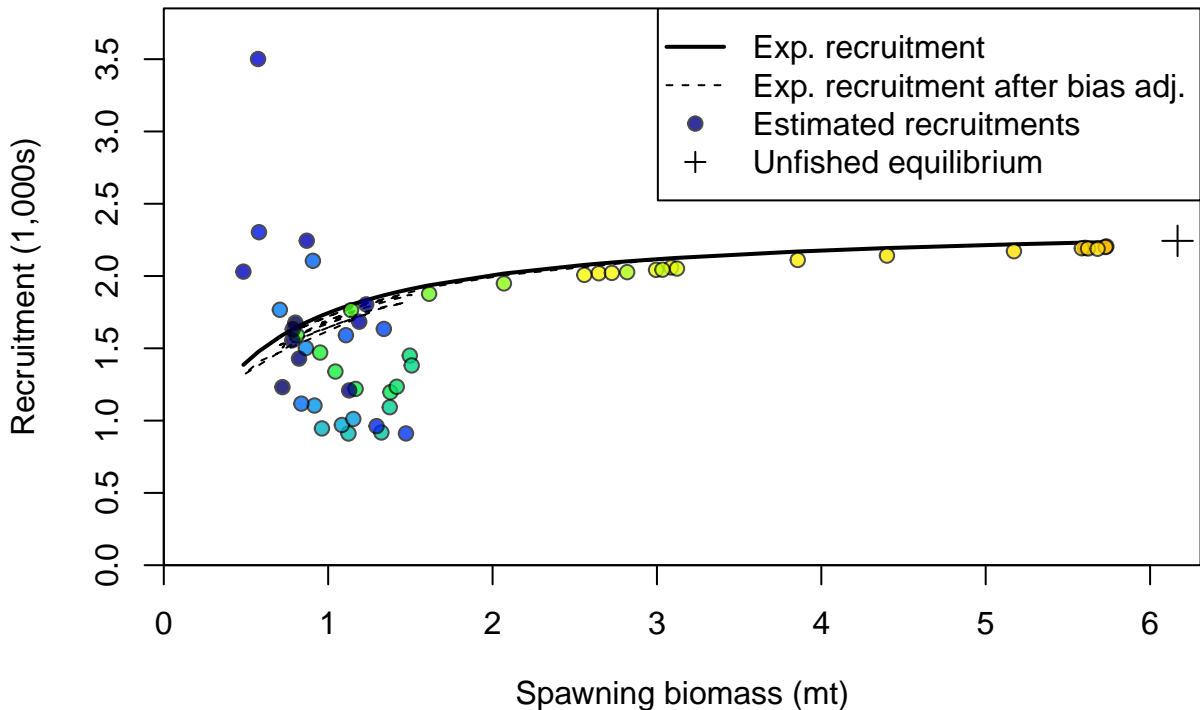
Summary Fishing Mortality

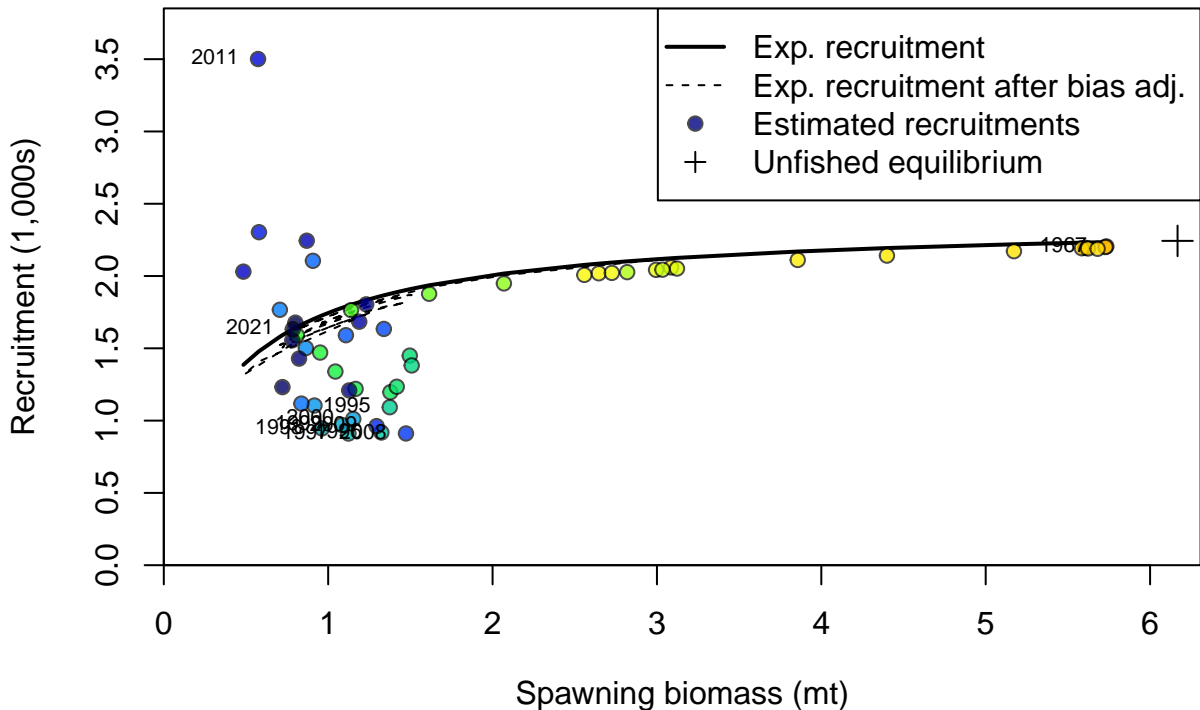


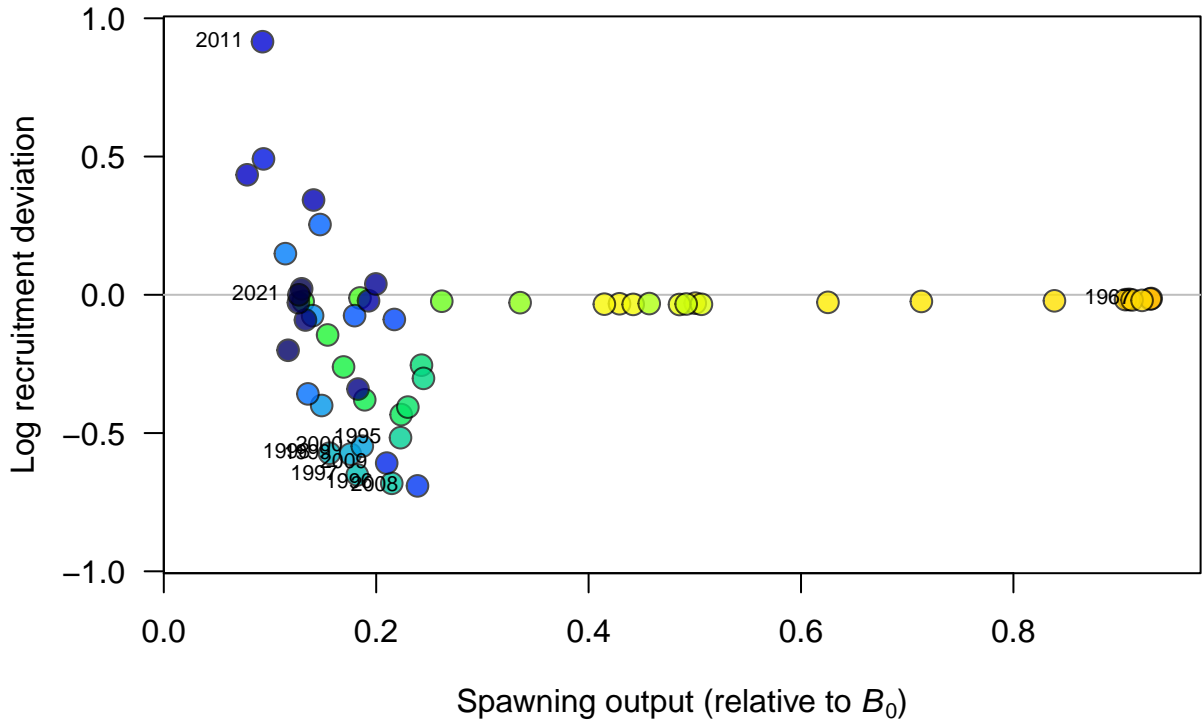


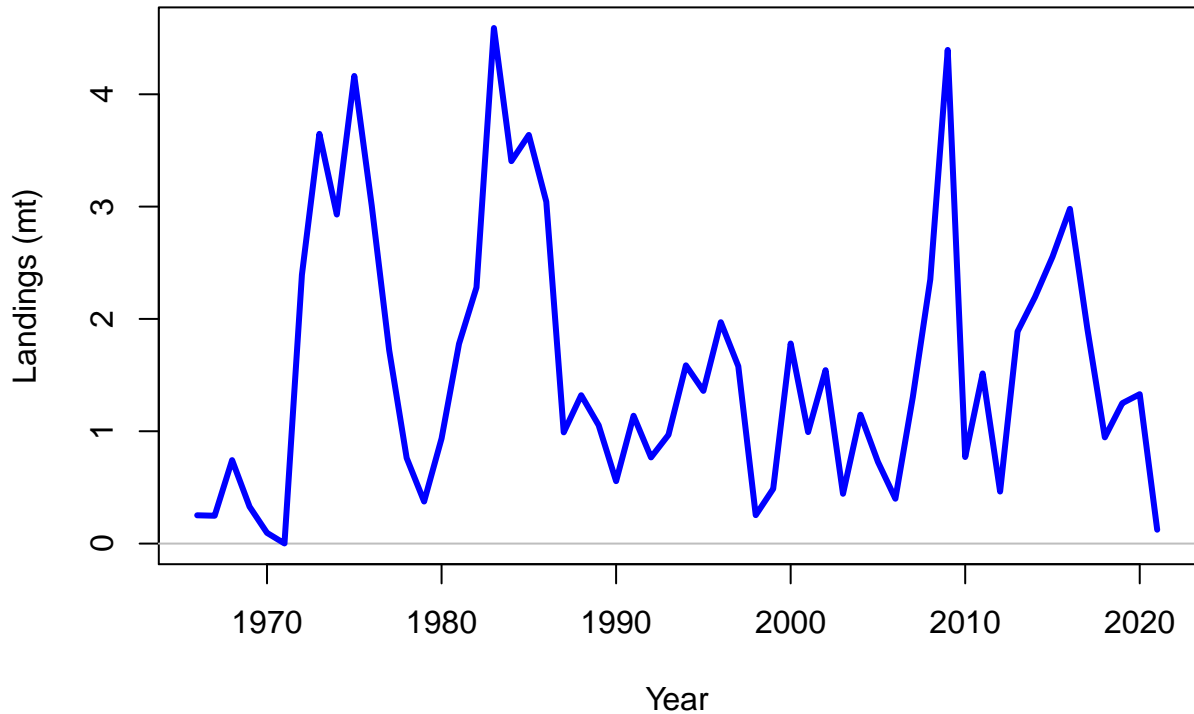
Log recruitment deviation

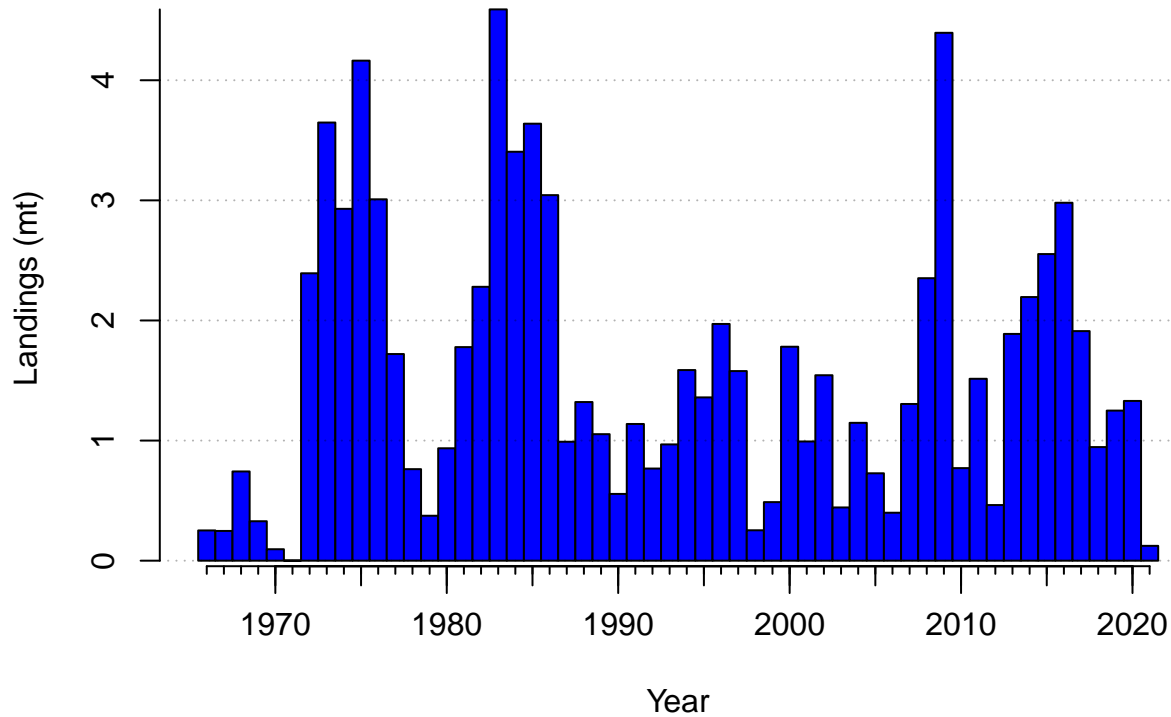




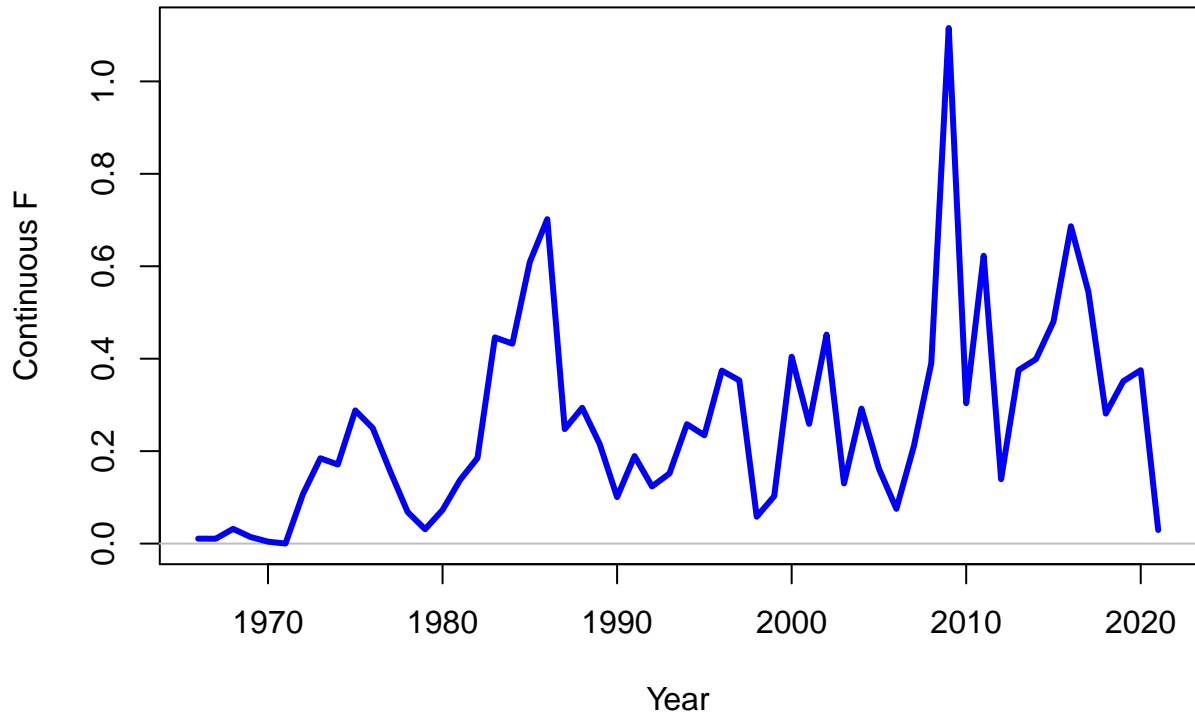




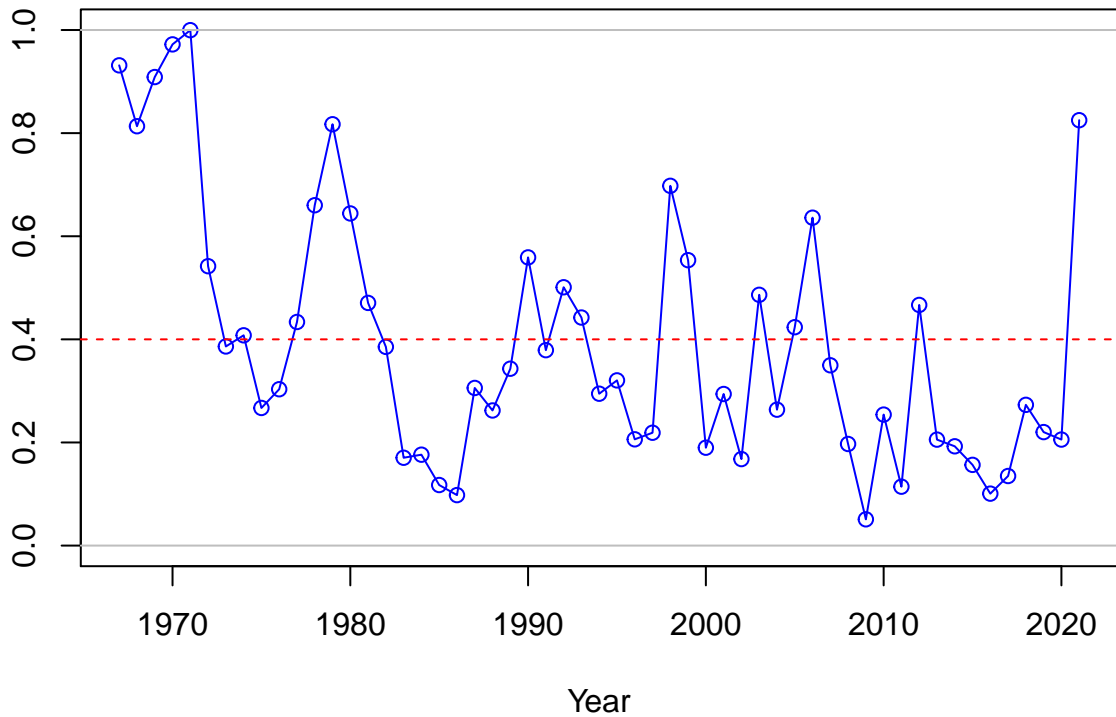


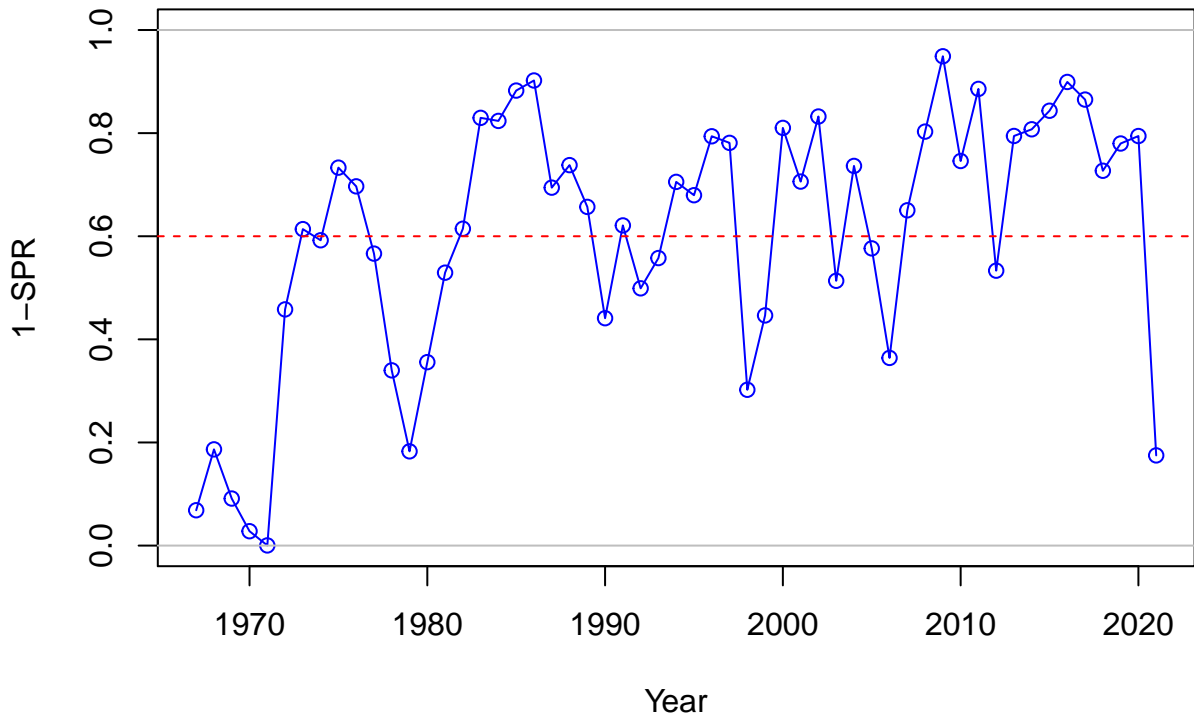




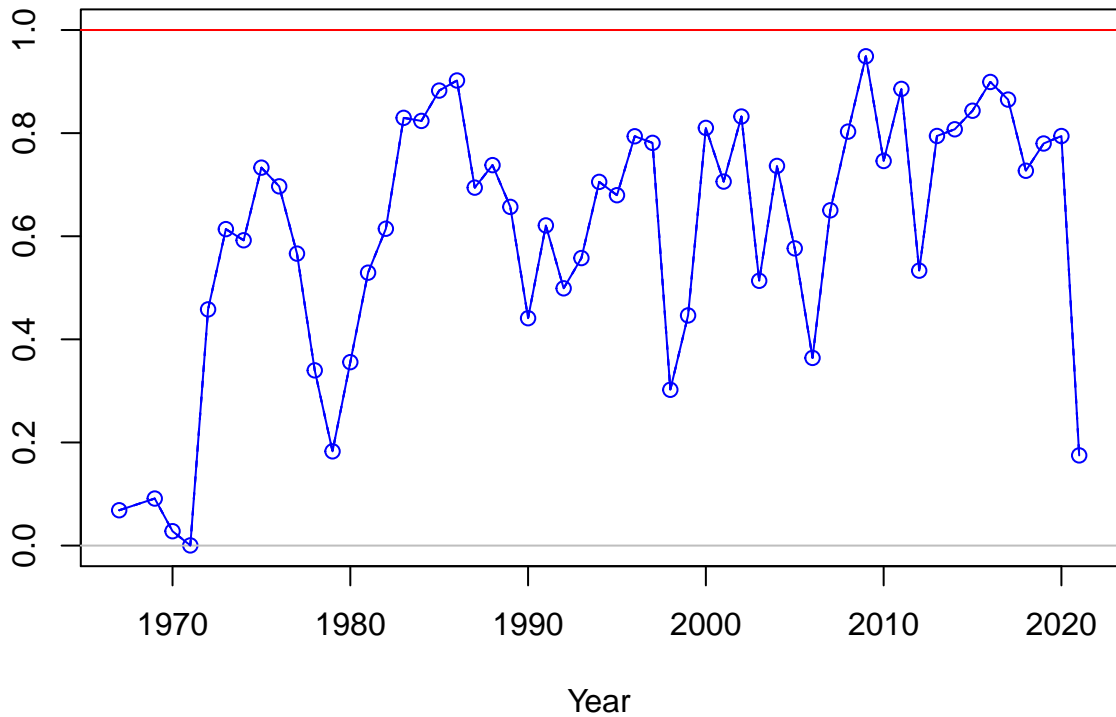


SPR

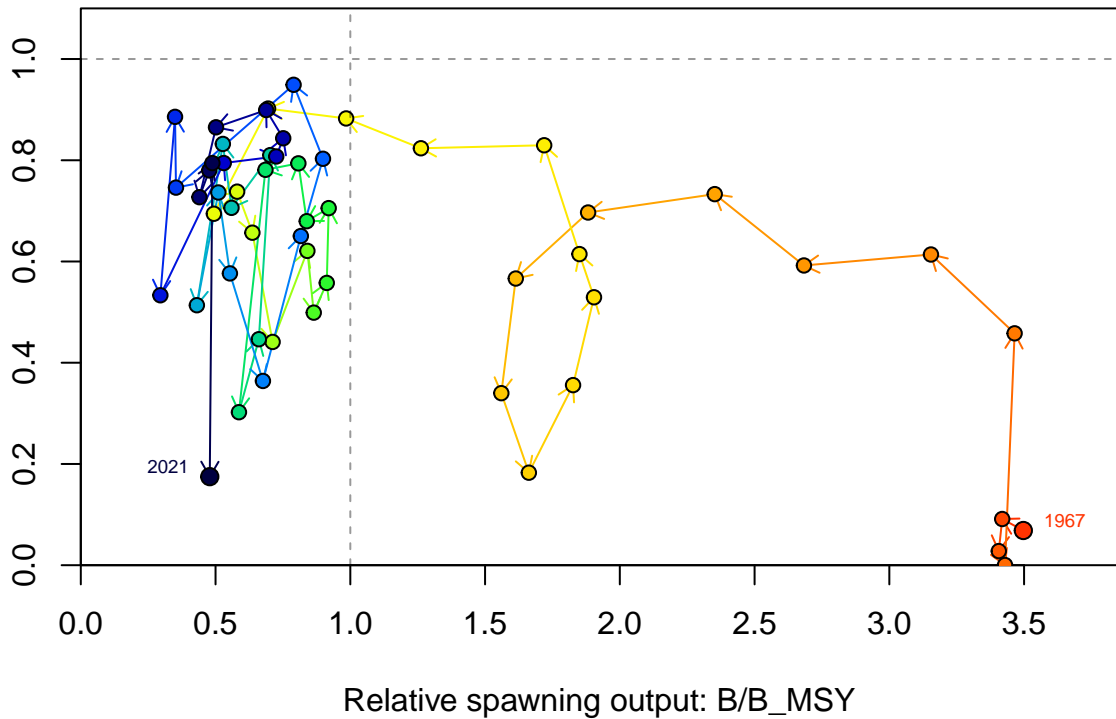




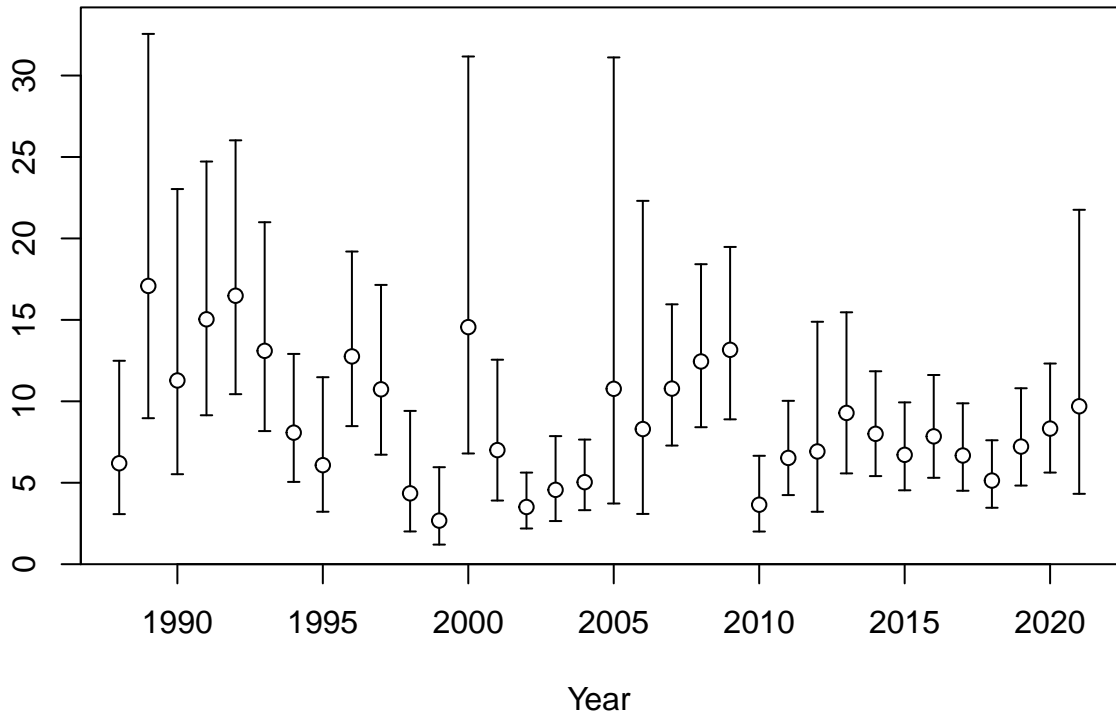
Fishing intensity: 1-SPR



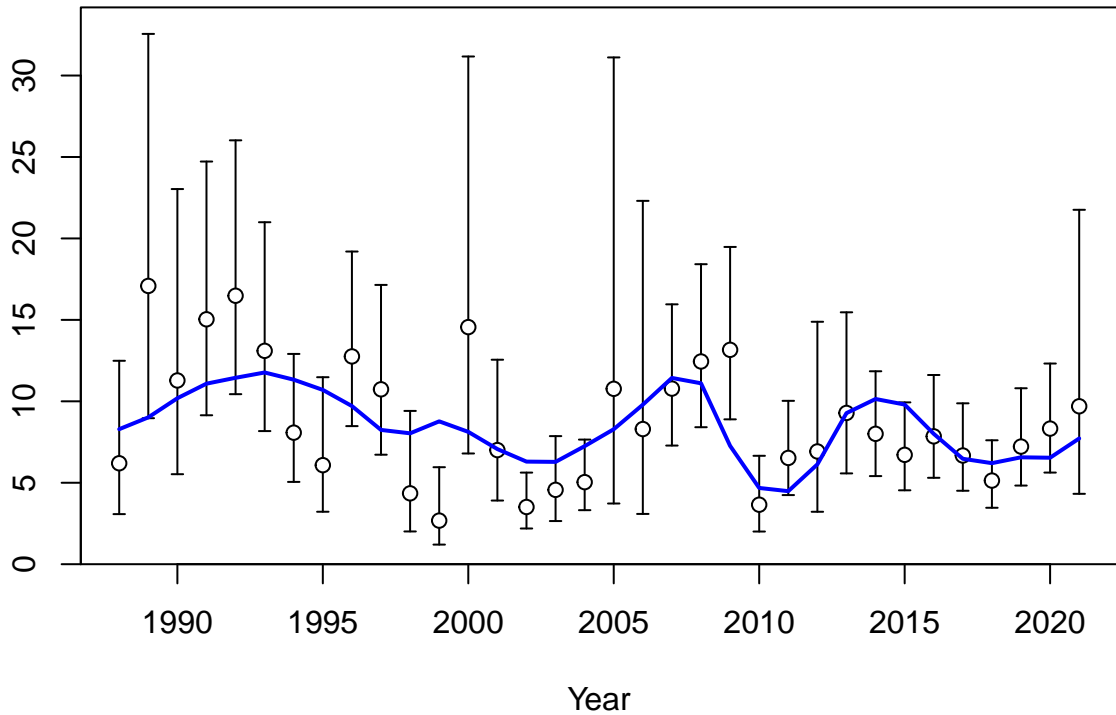
Fishing intensity: 1-SPR

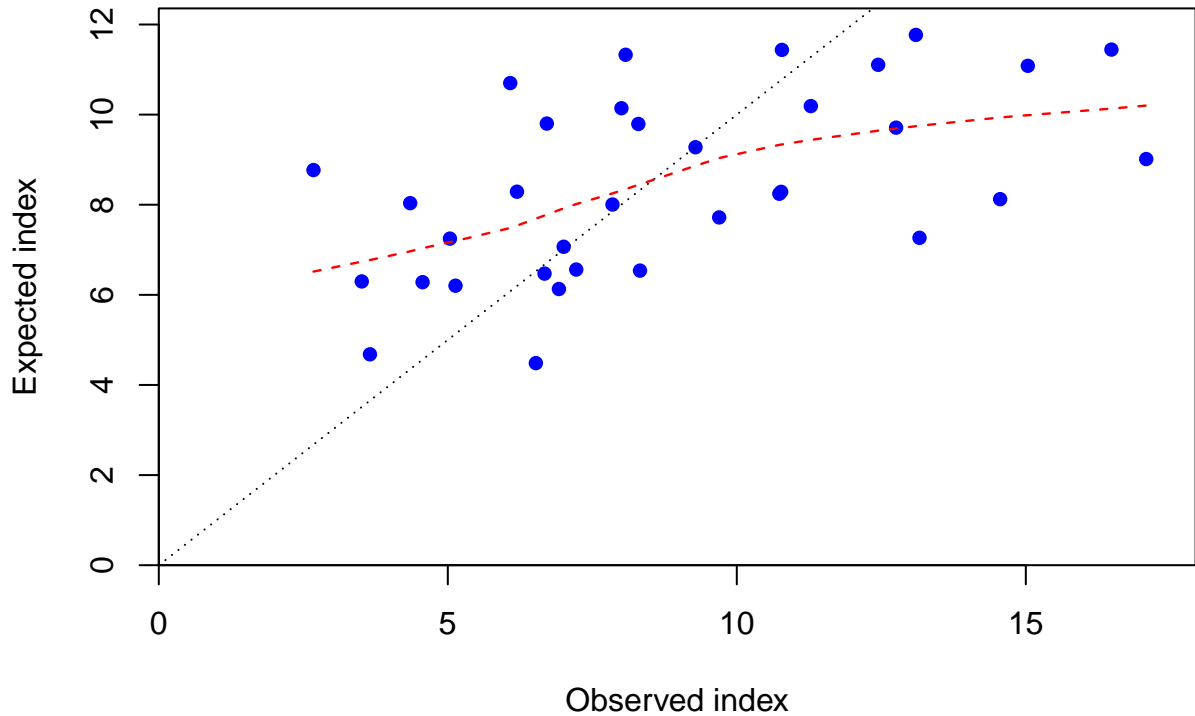


Index



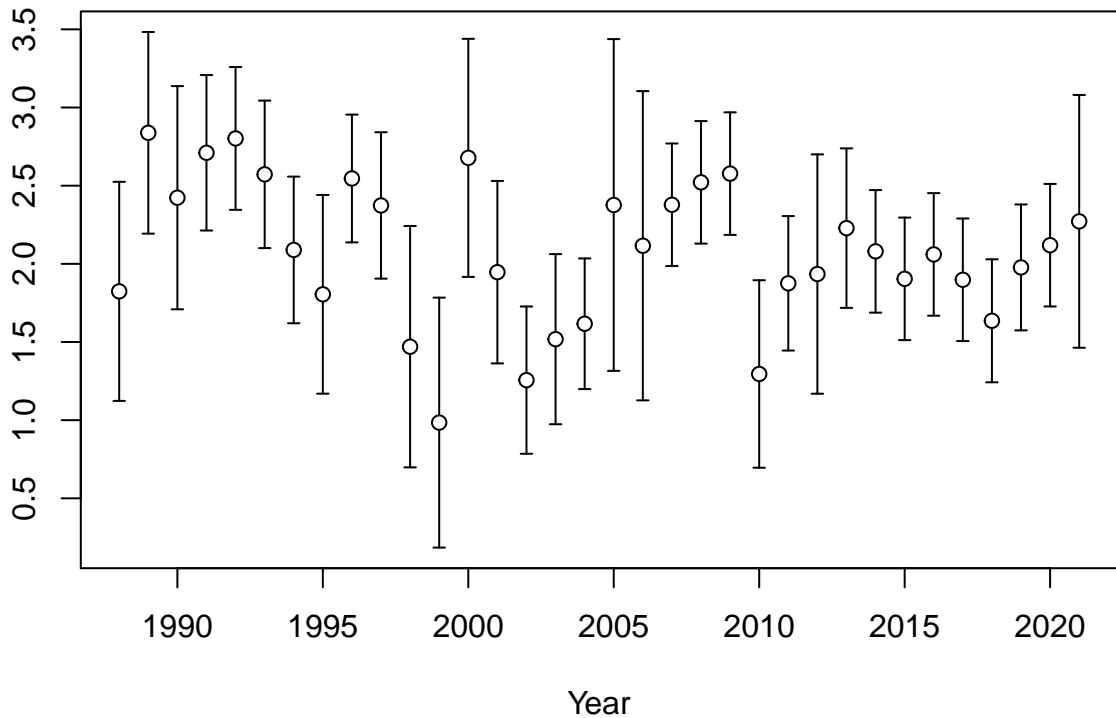
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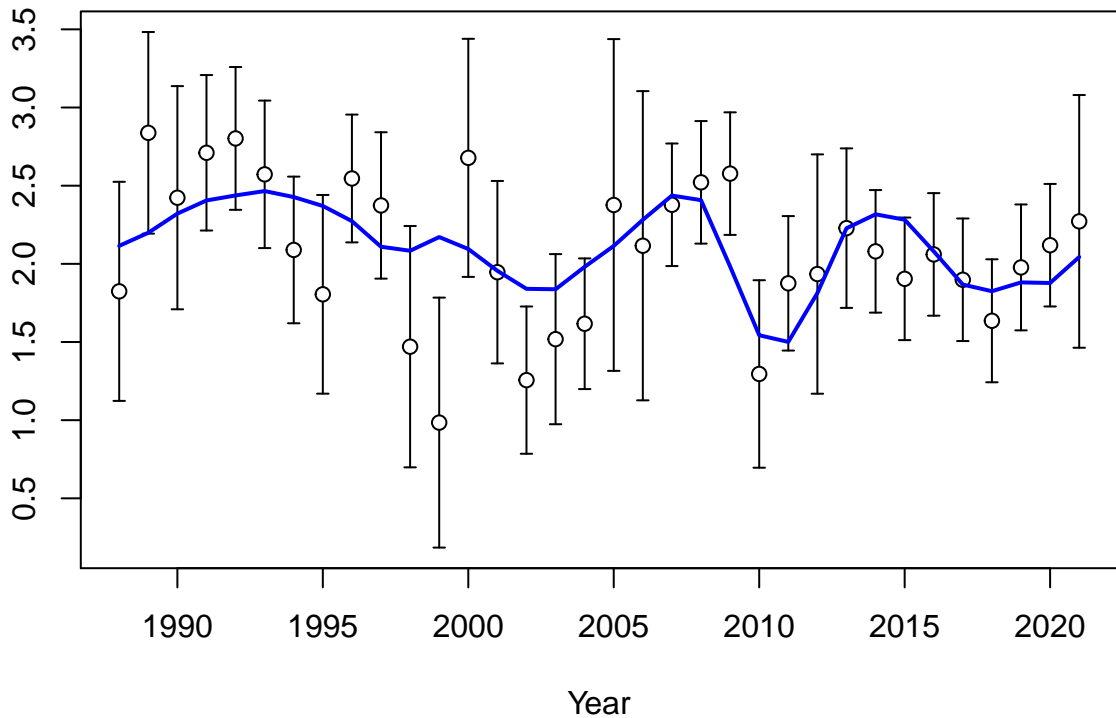


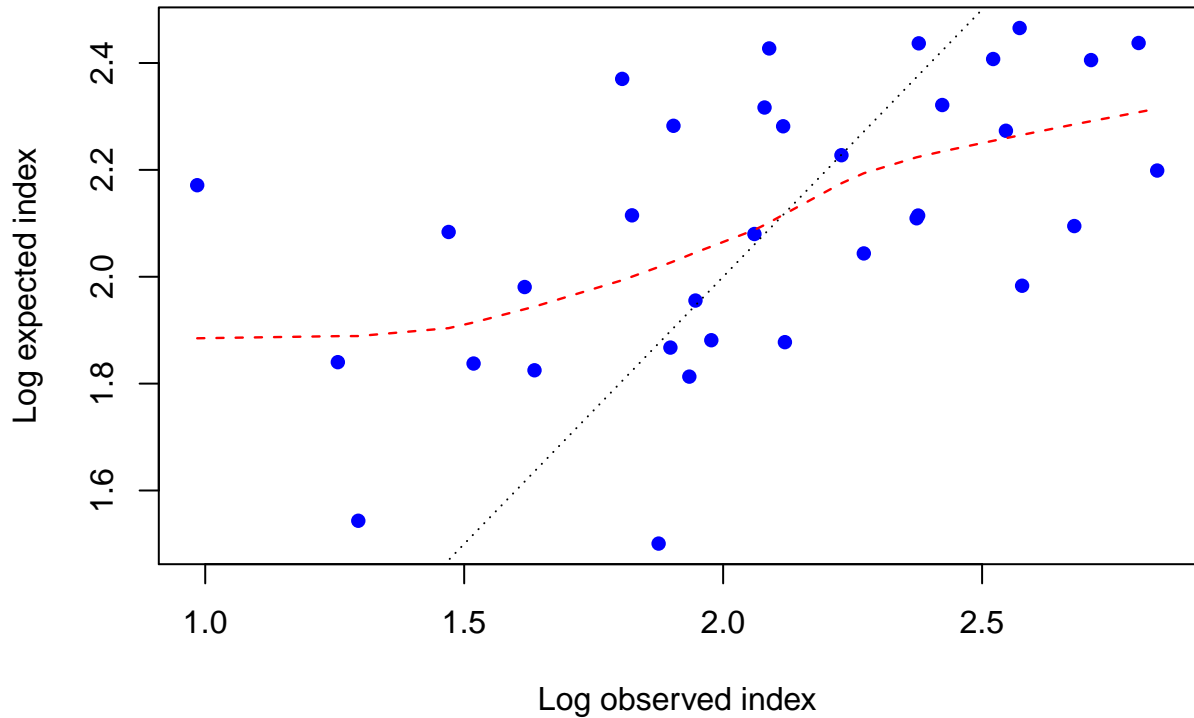


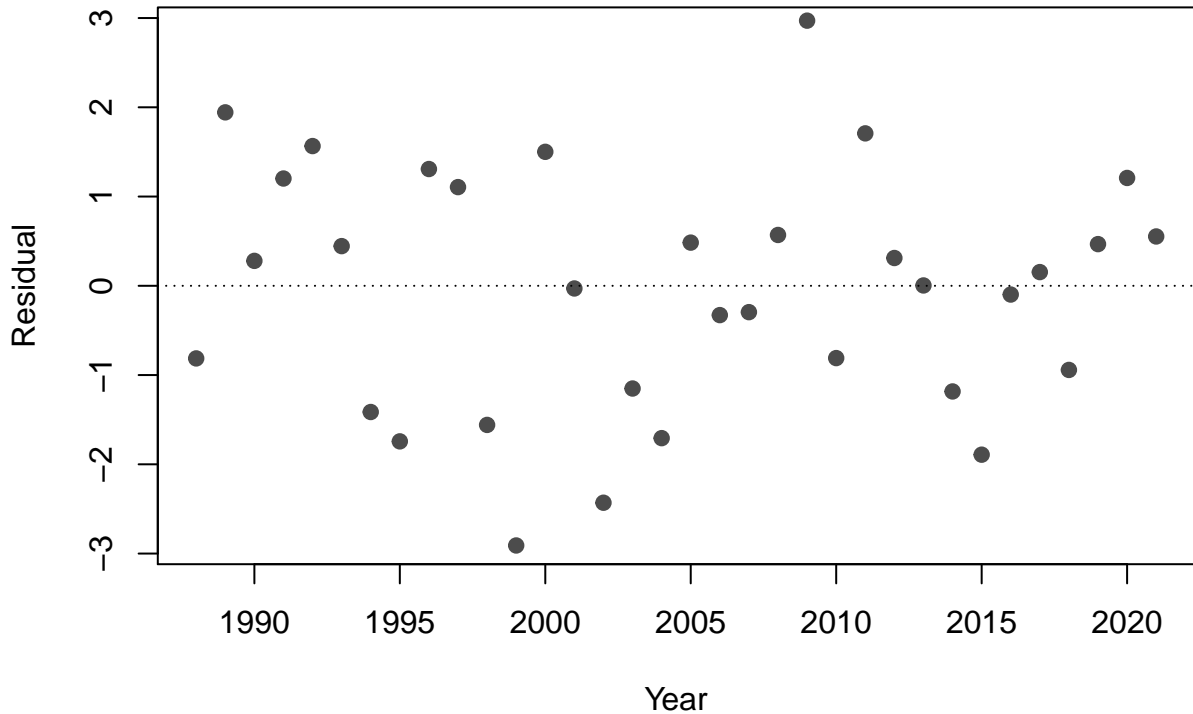
Log index

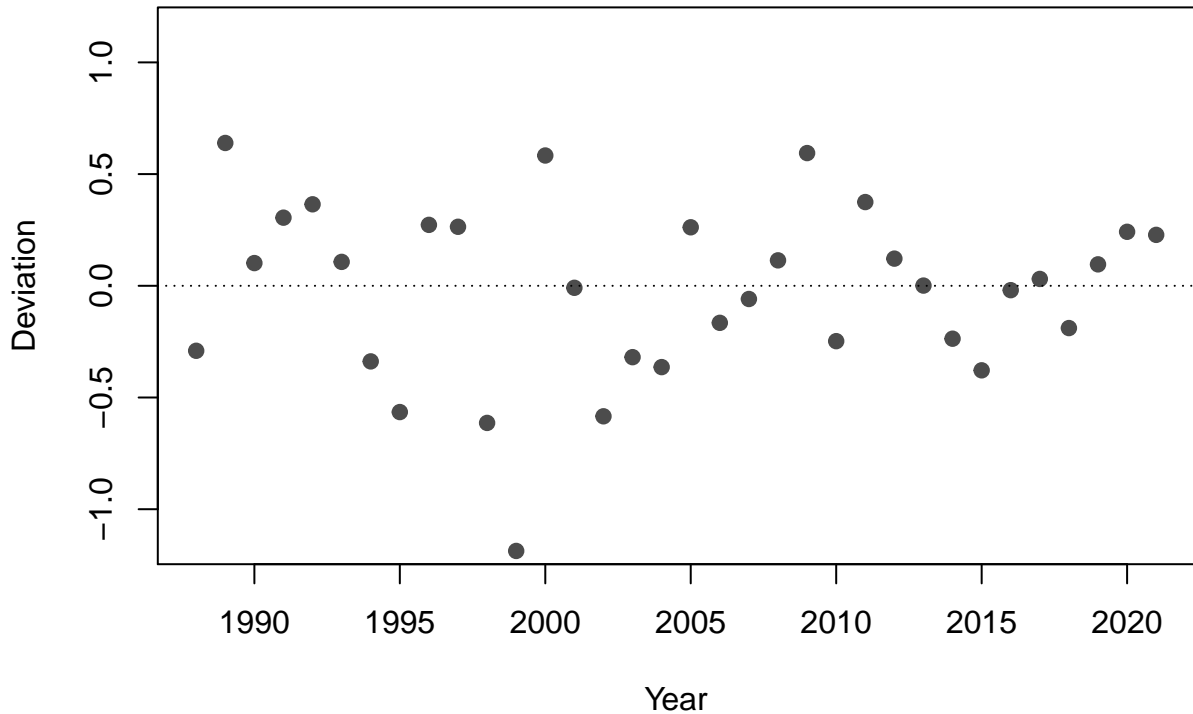


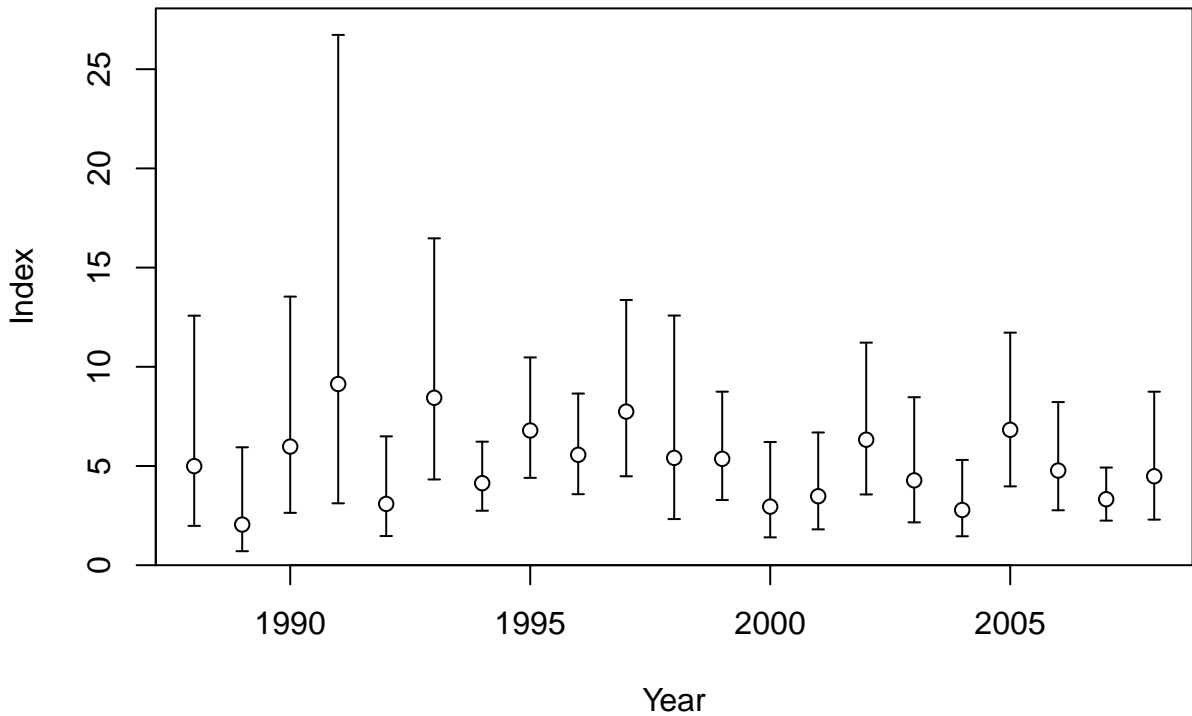
Log index



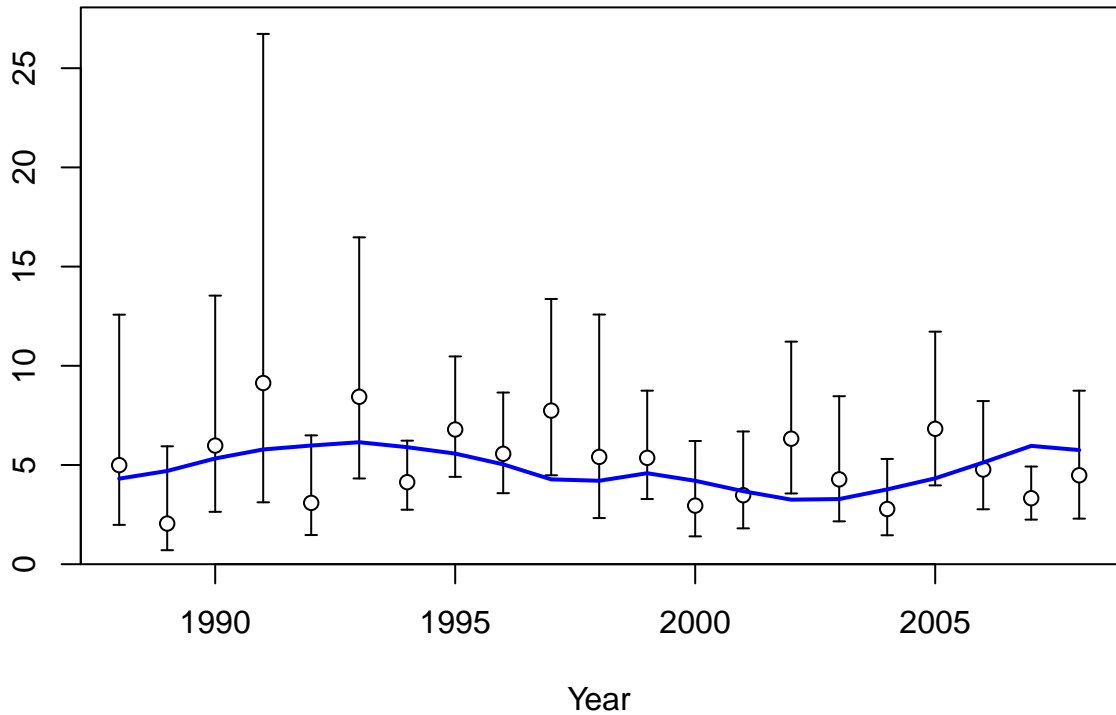


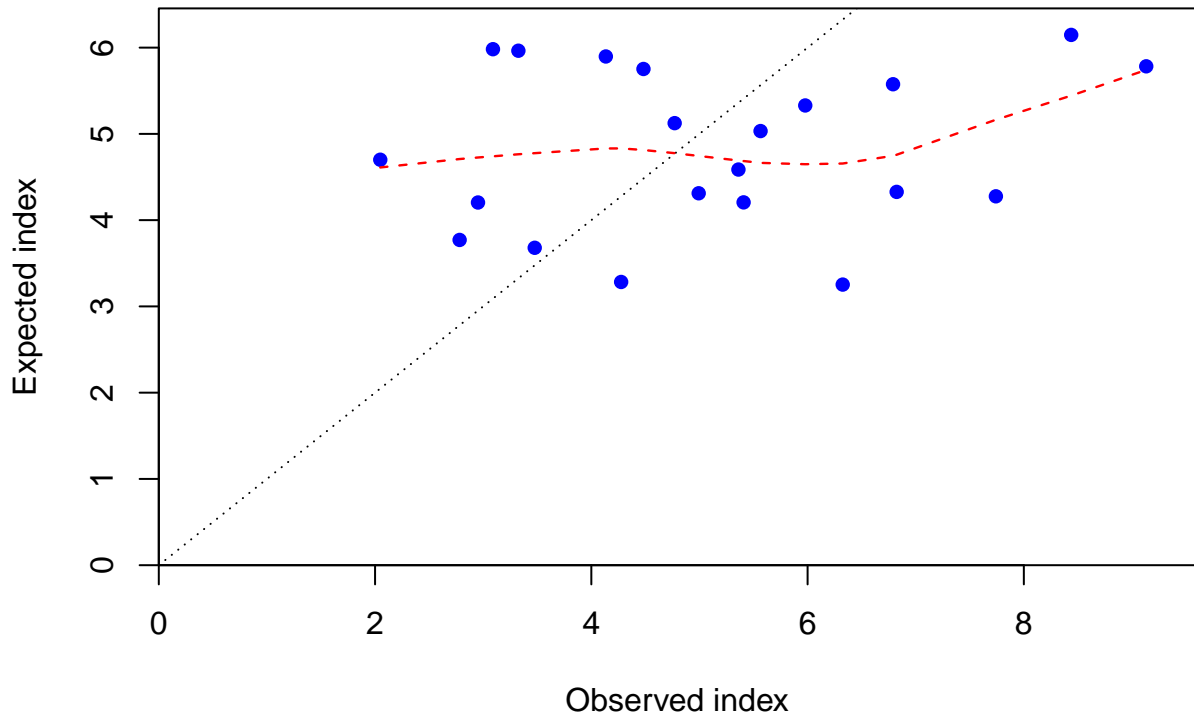




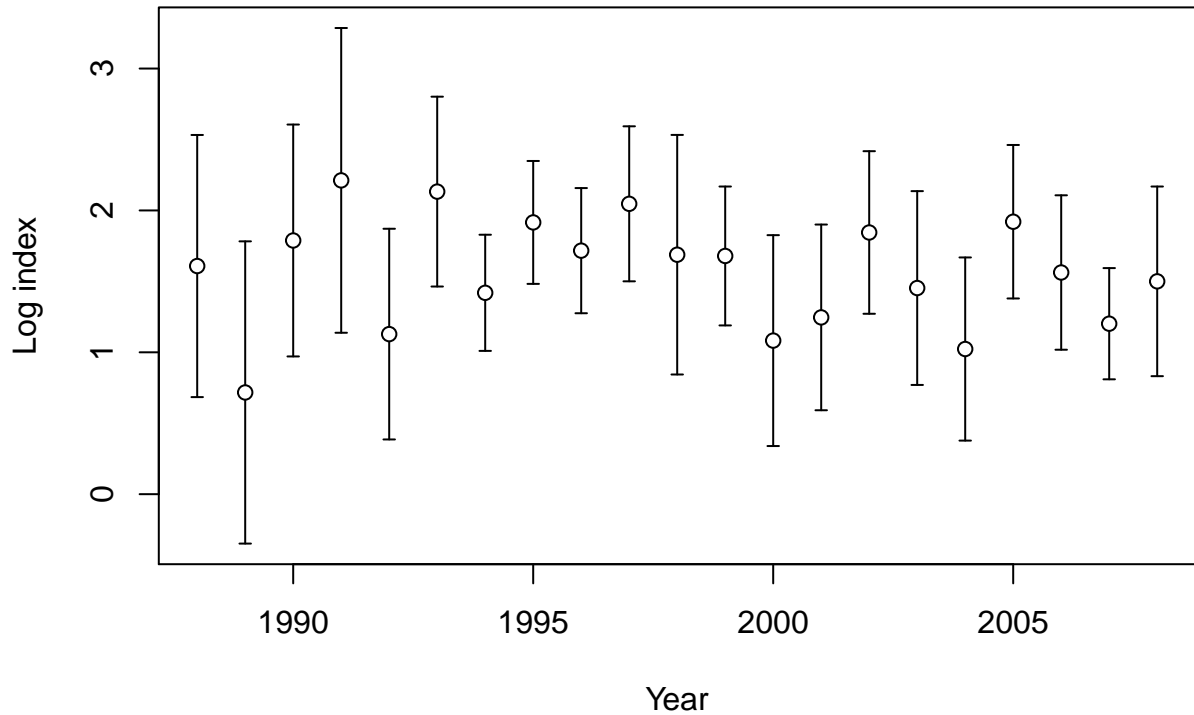


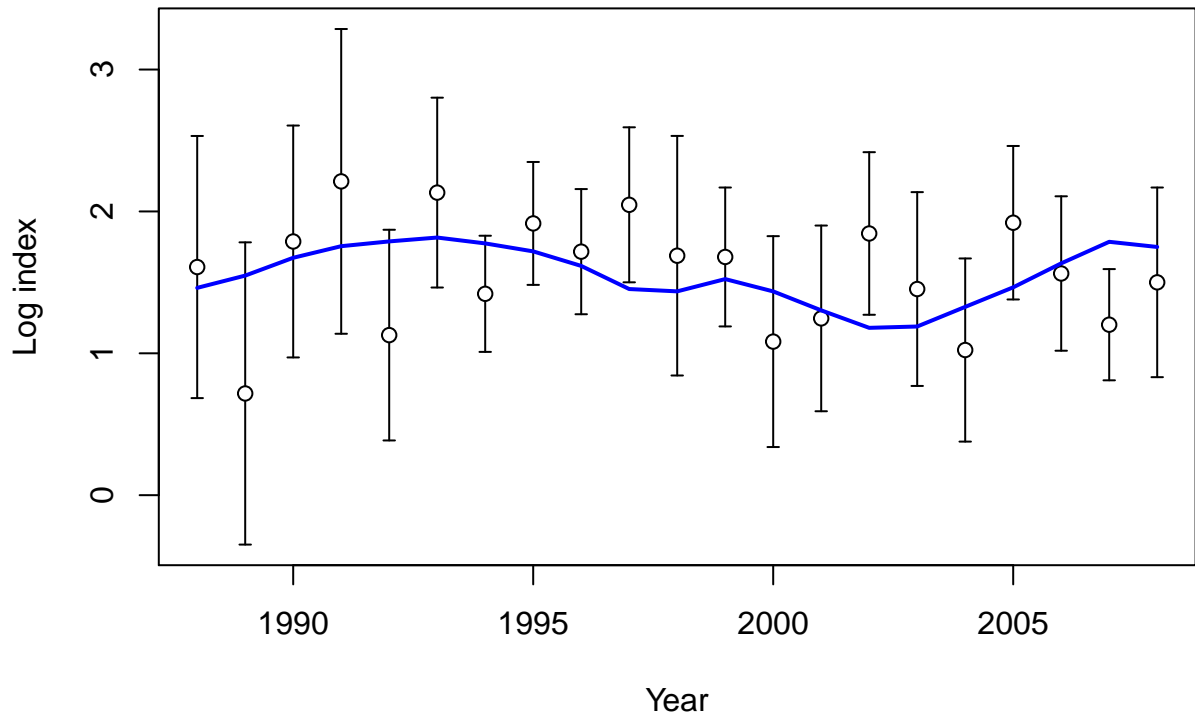
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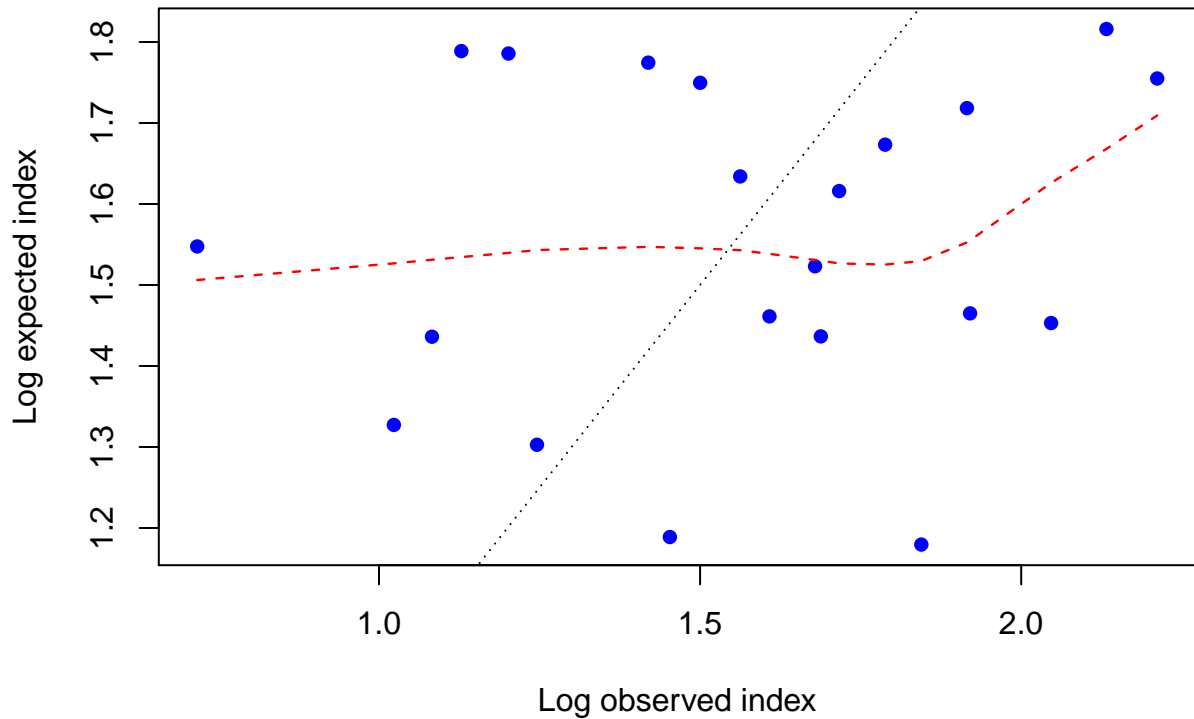




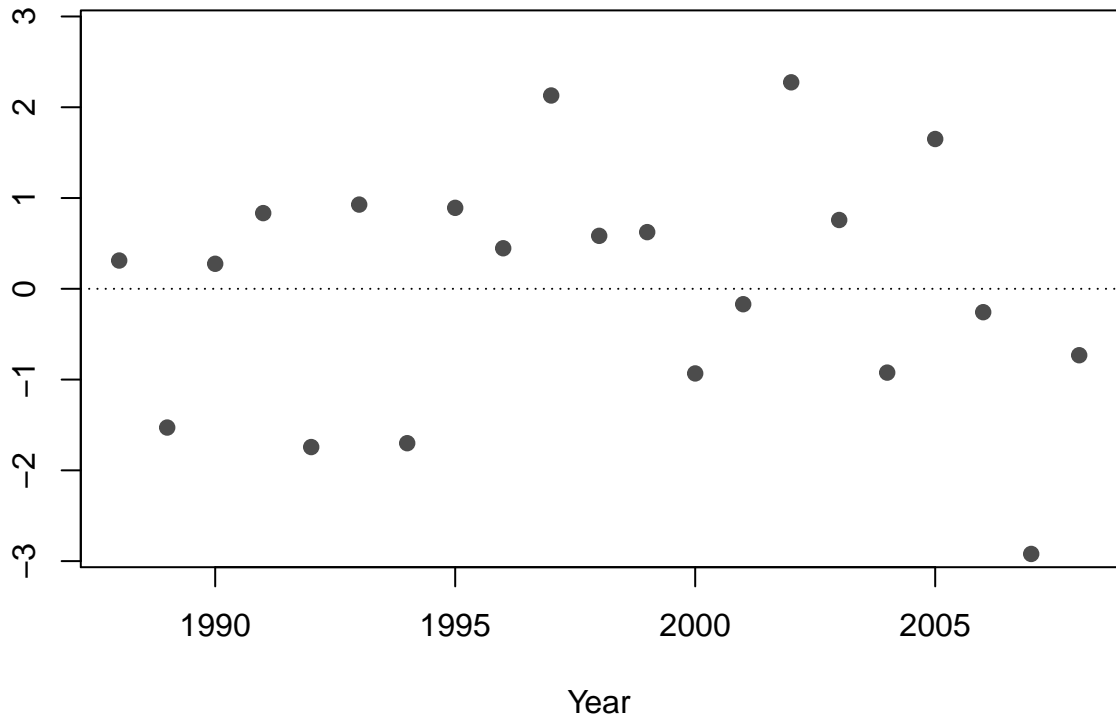


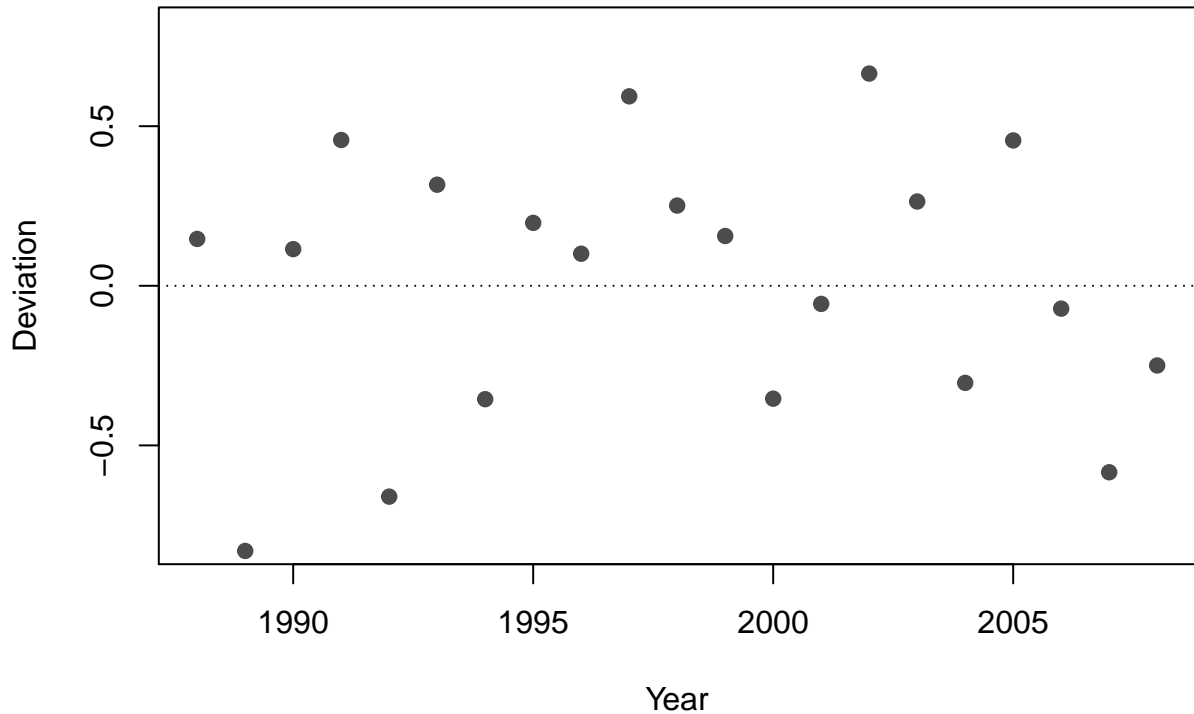




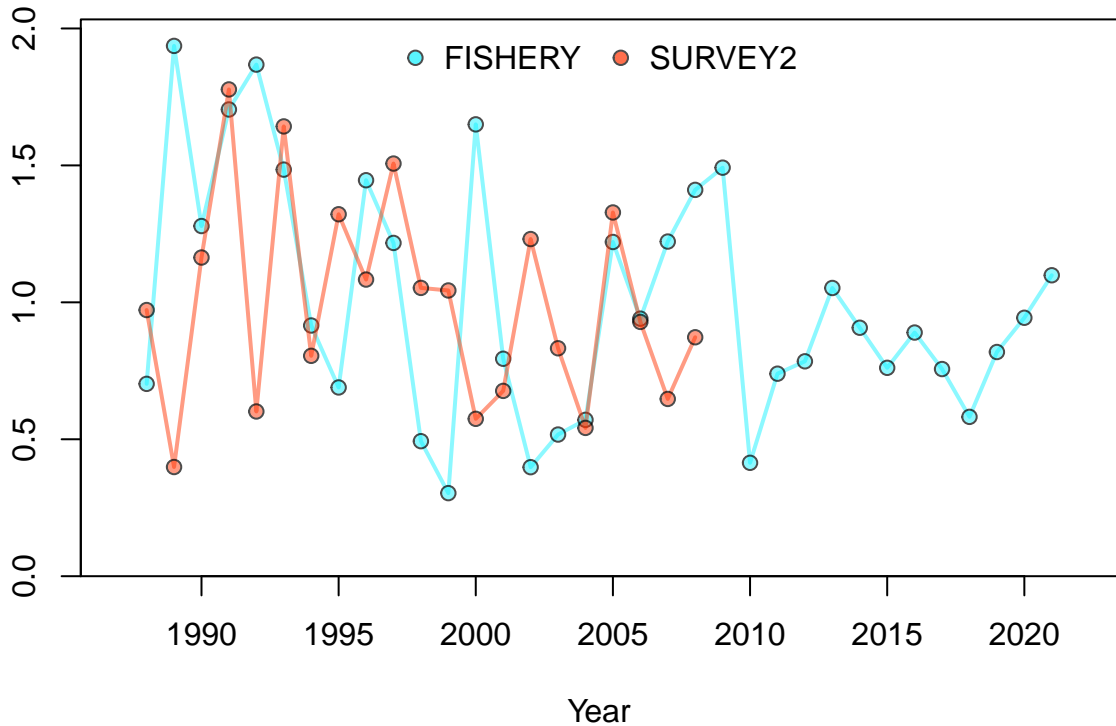


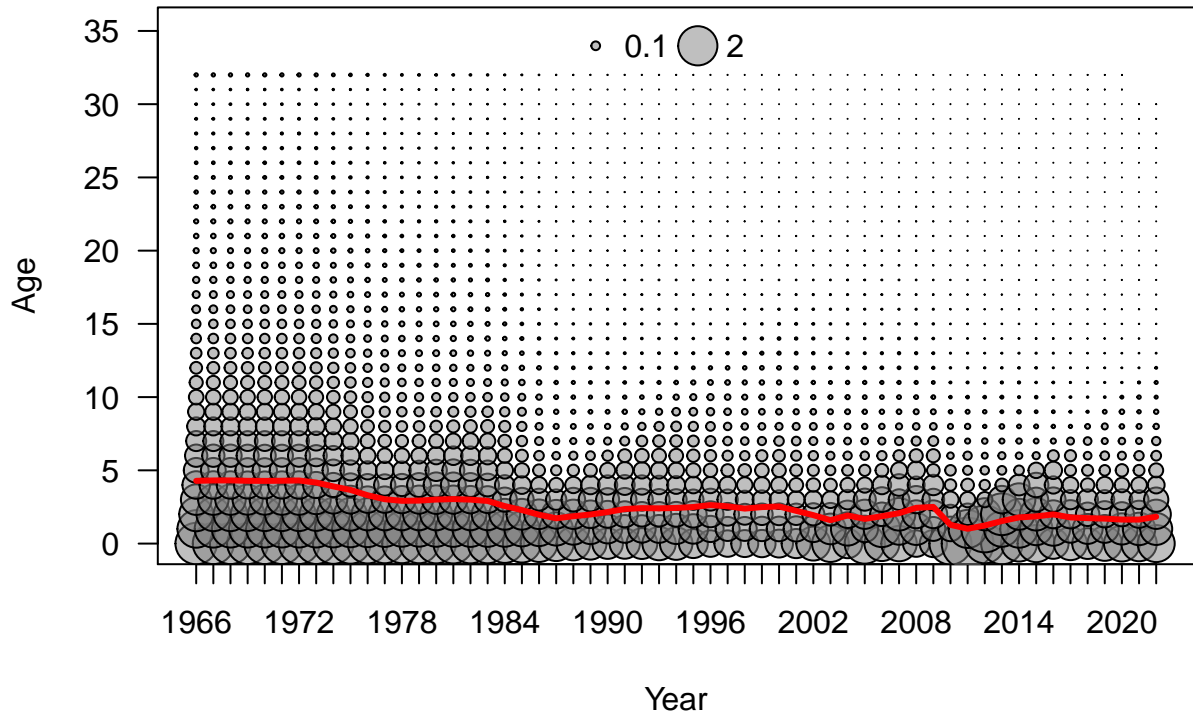
Residual

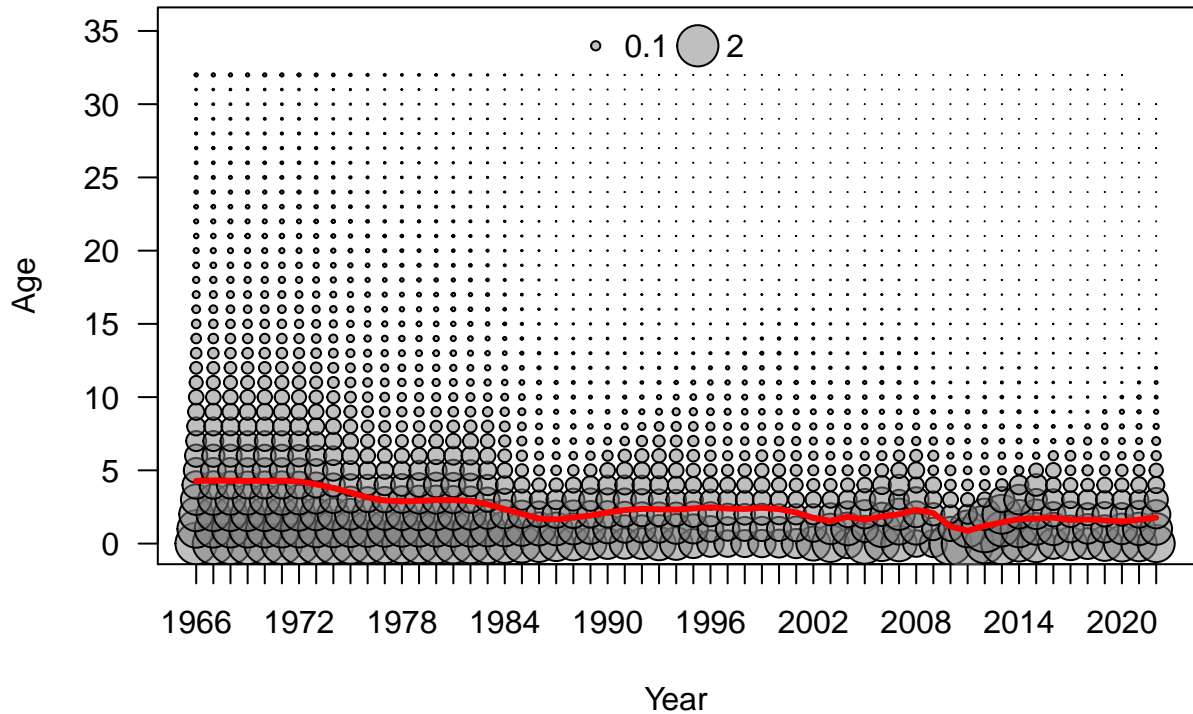




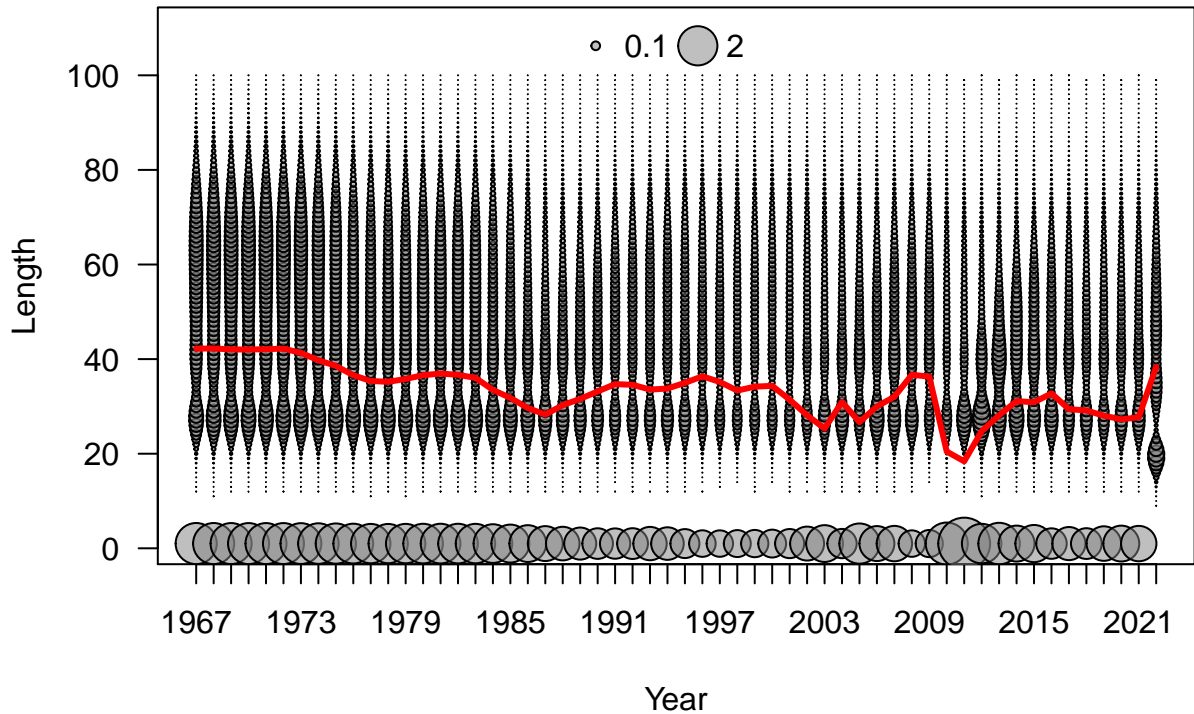
Standardized index

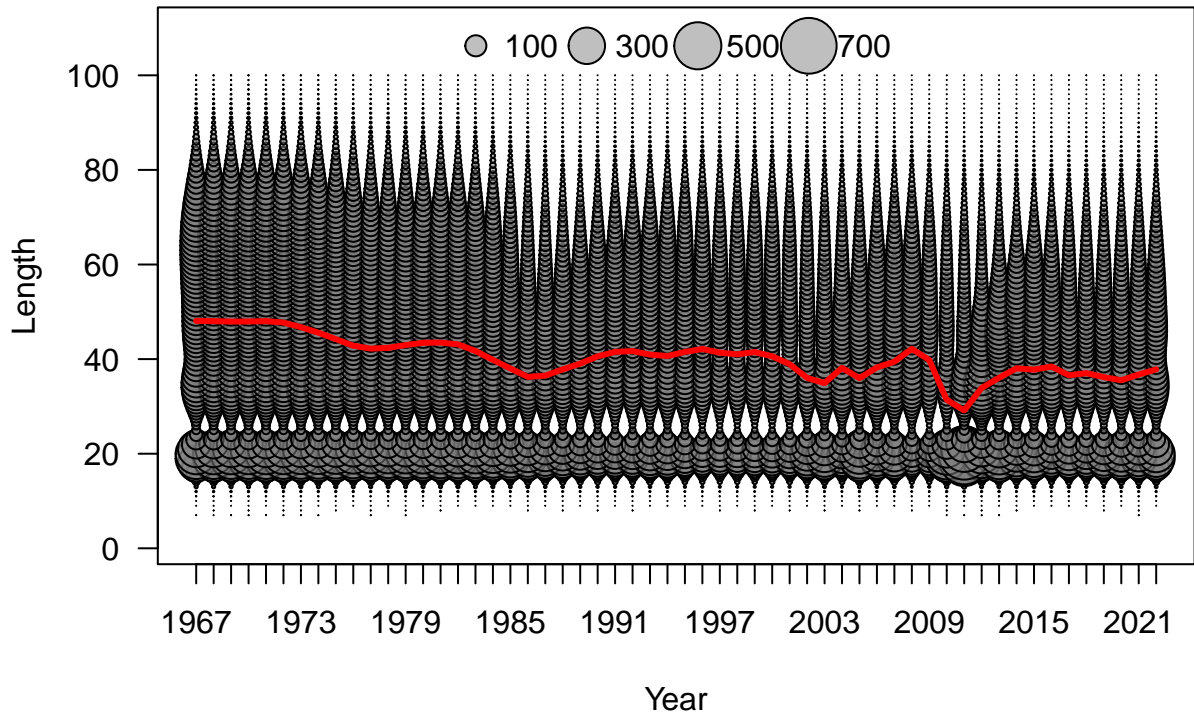


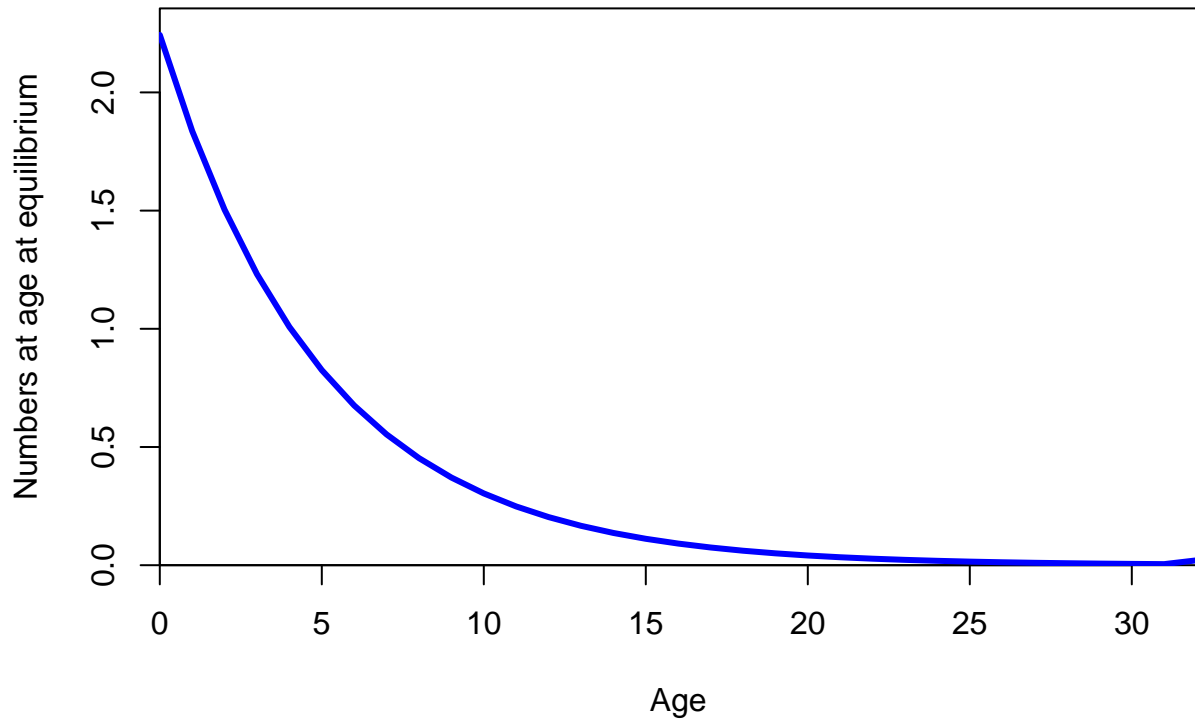


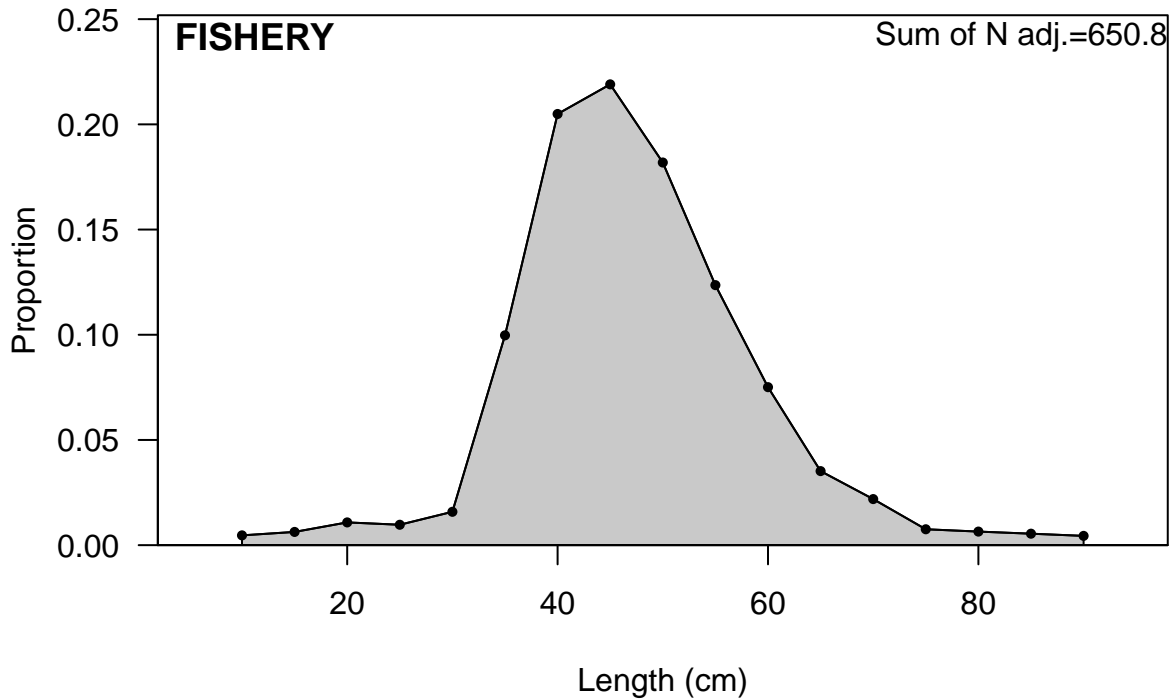






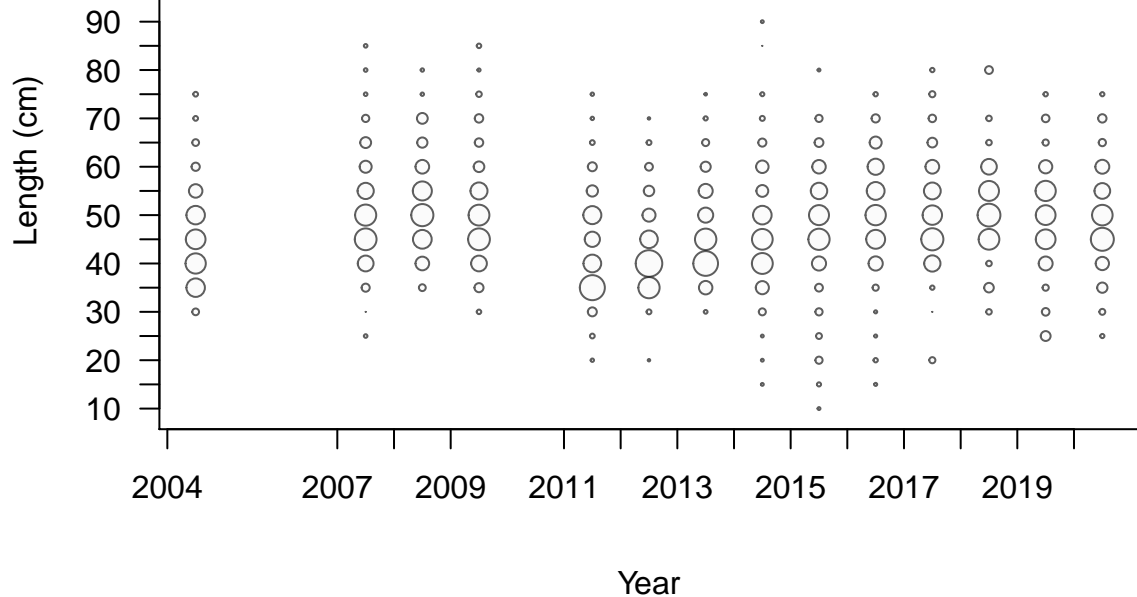




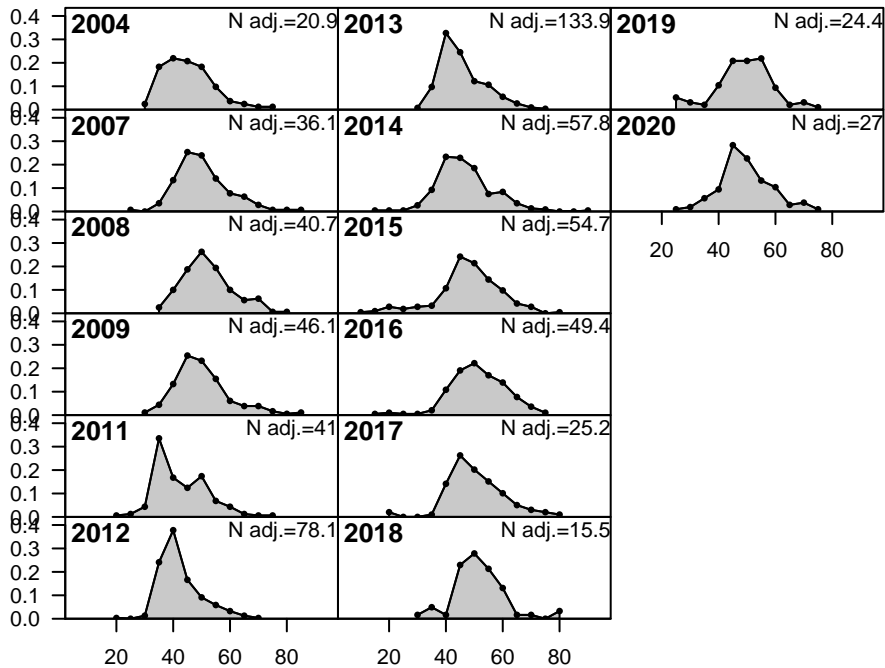


# FISHERY

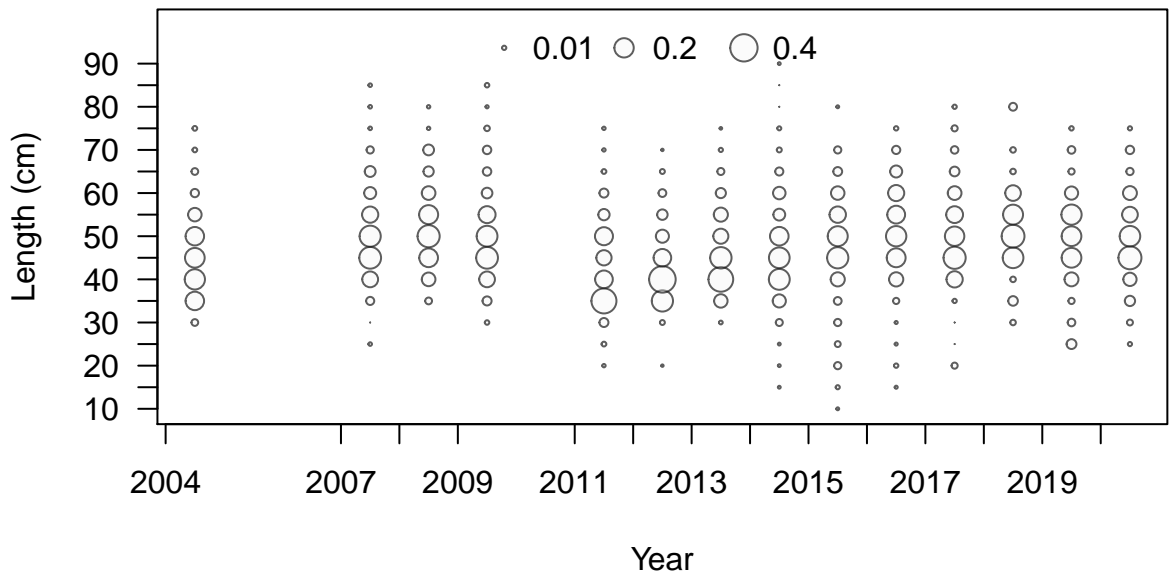
• 0.01 ○ 0.2 ○ 0.4



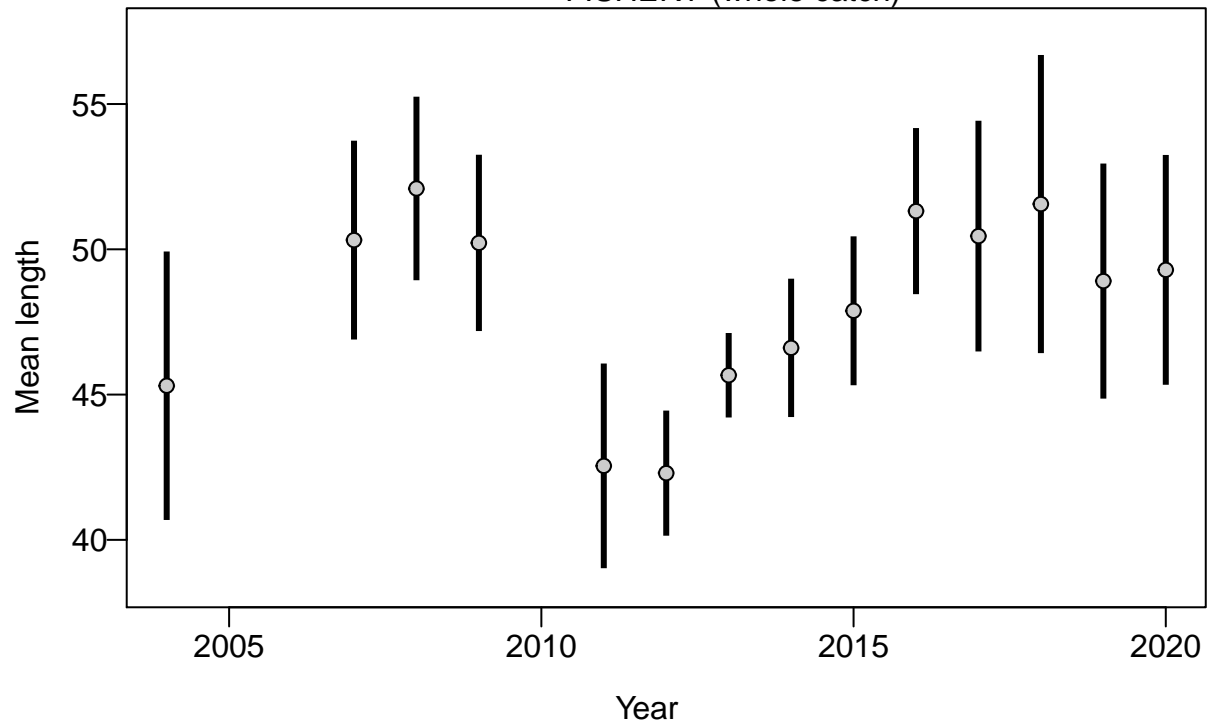
Proportion



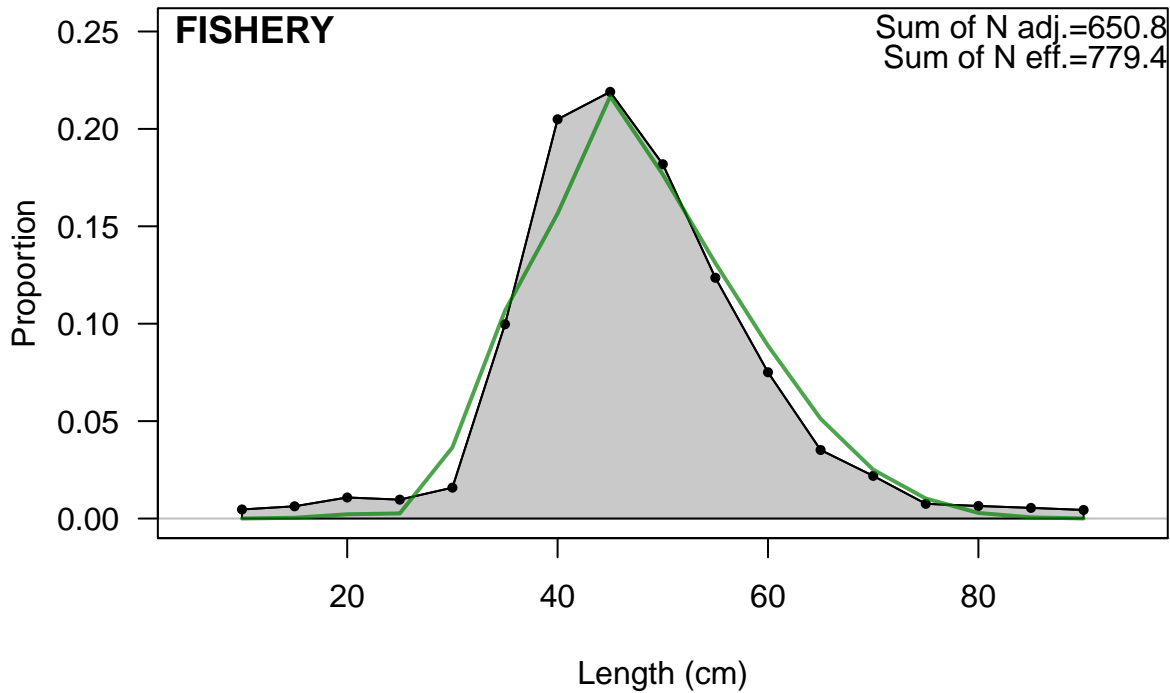
Length (cm)

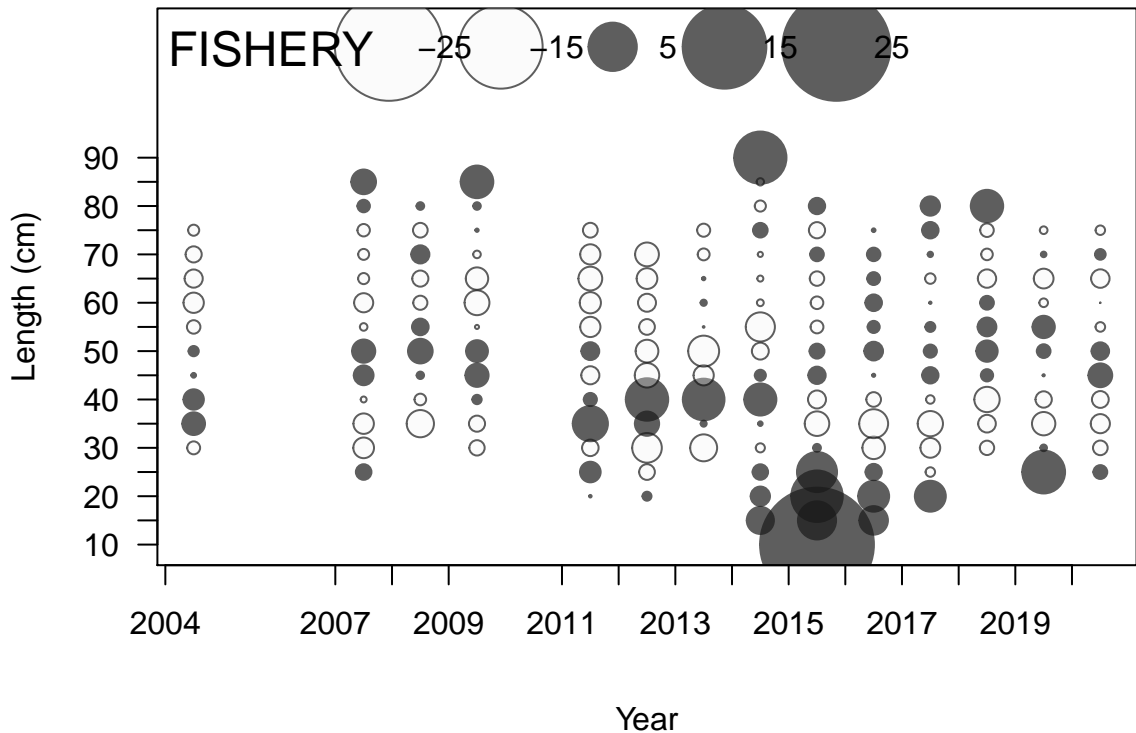


FISHERY (whole catch)

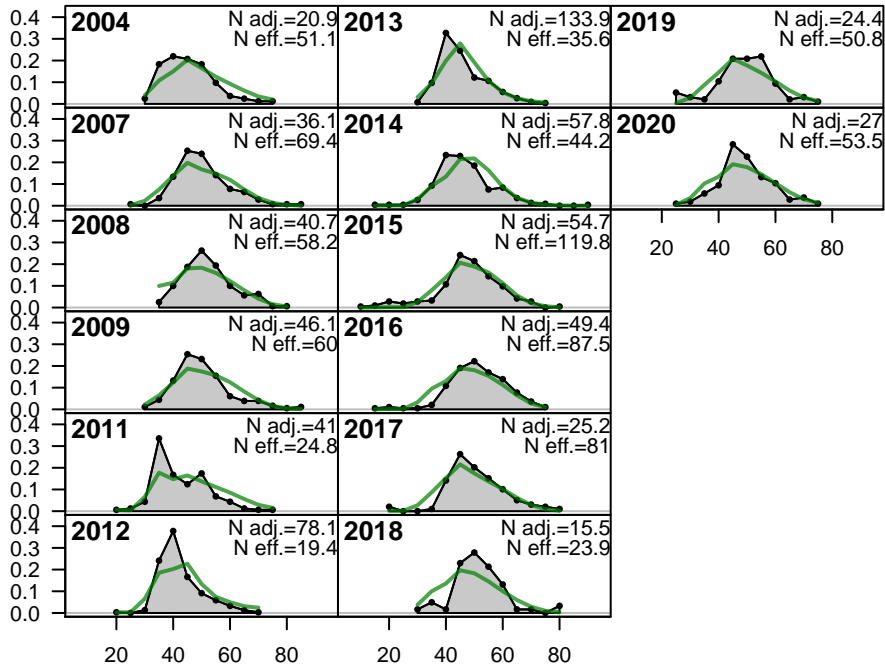






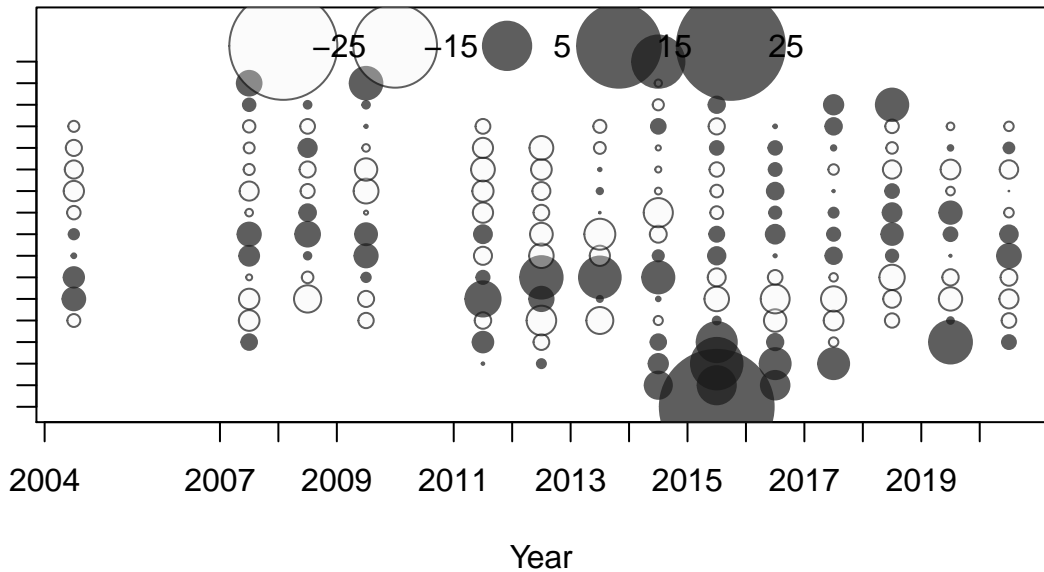


Proportion

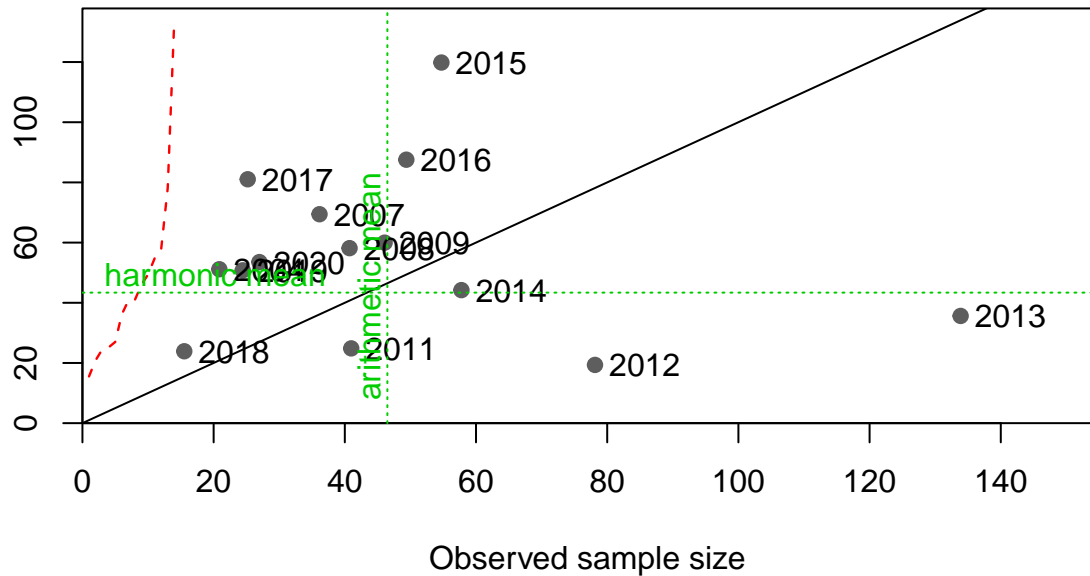


Length (cm)

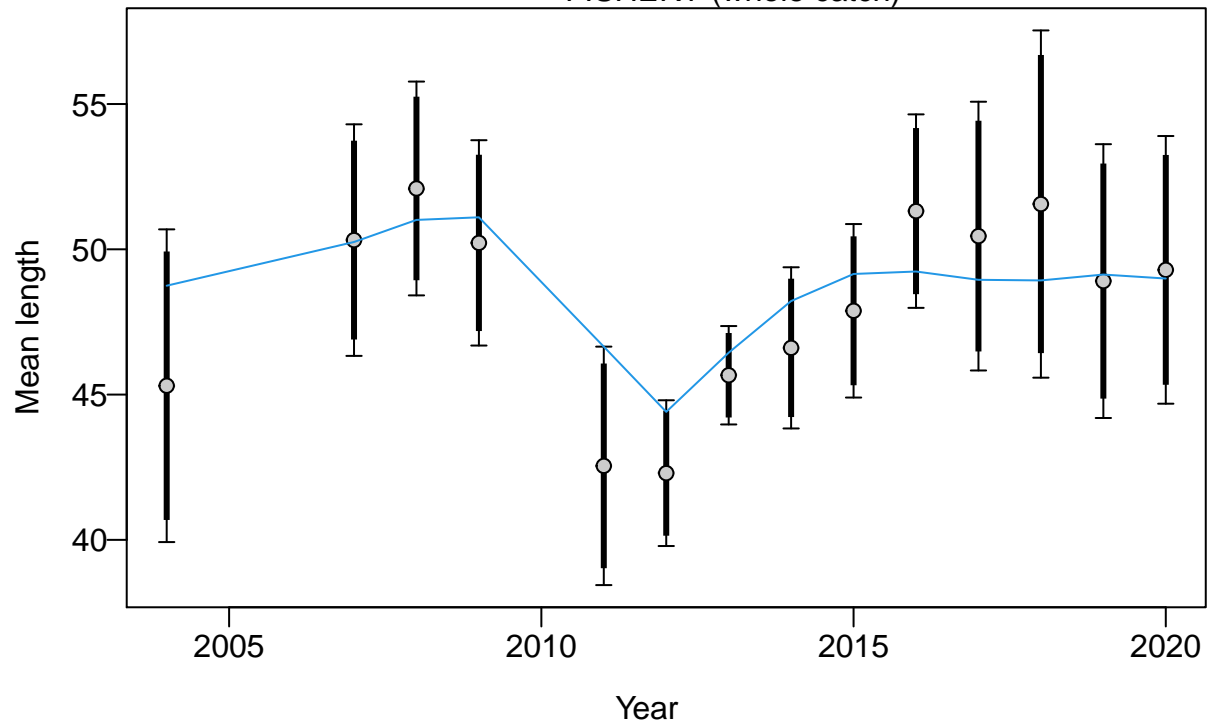
Length (cm)

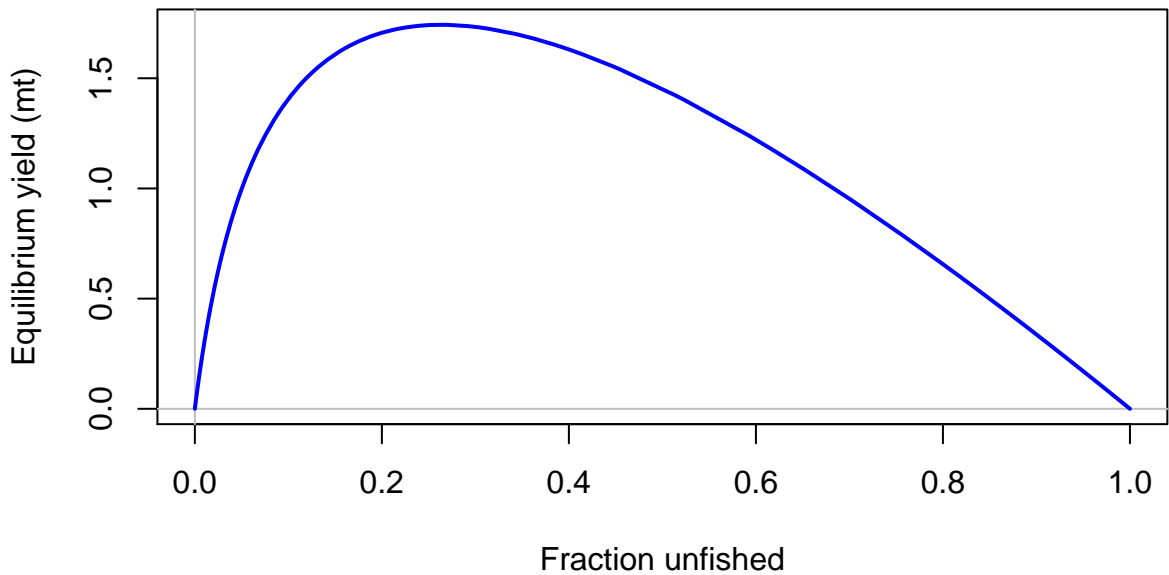


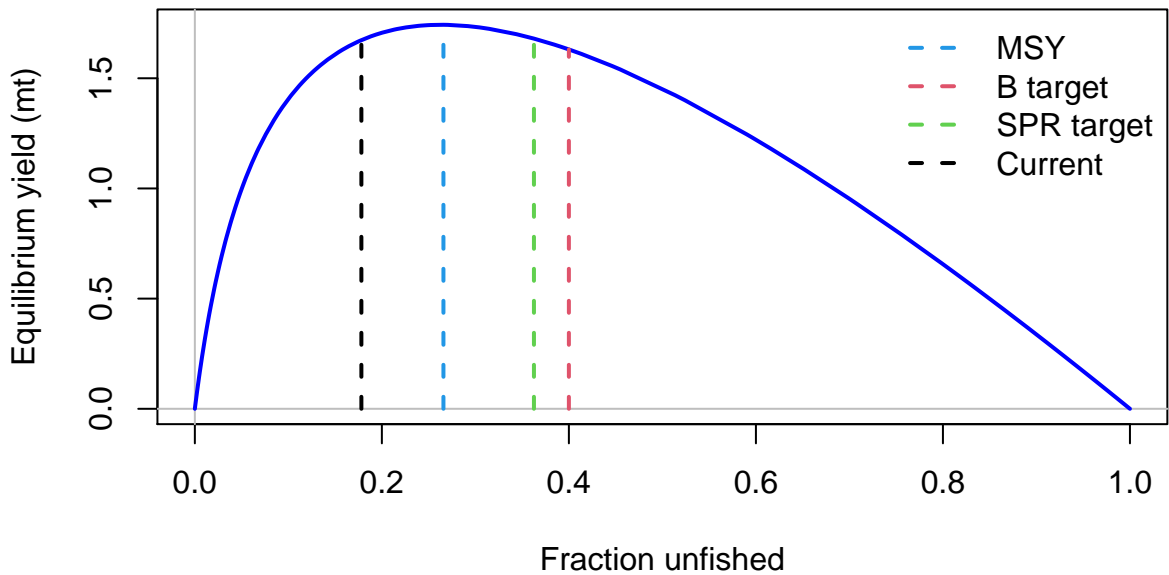
Effective sample size



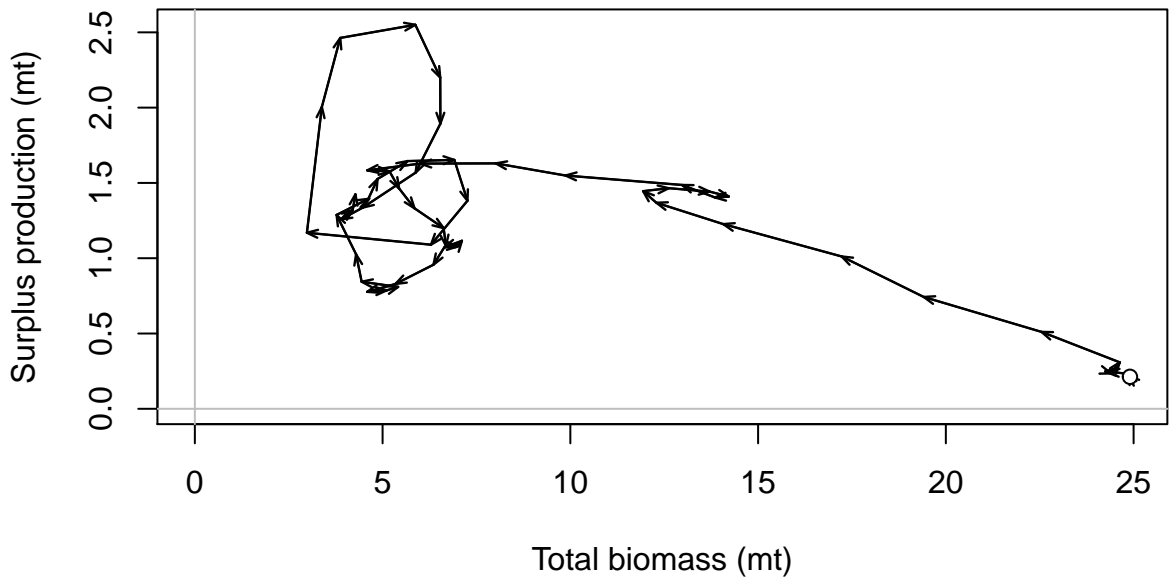
FISHERY (whole catch)

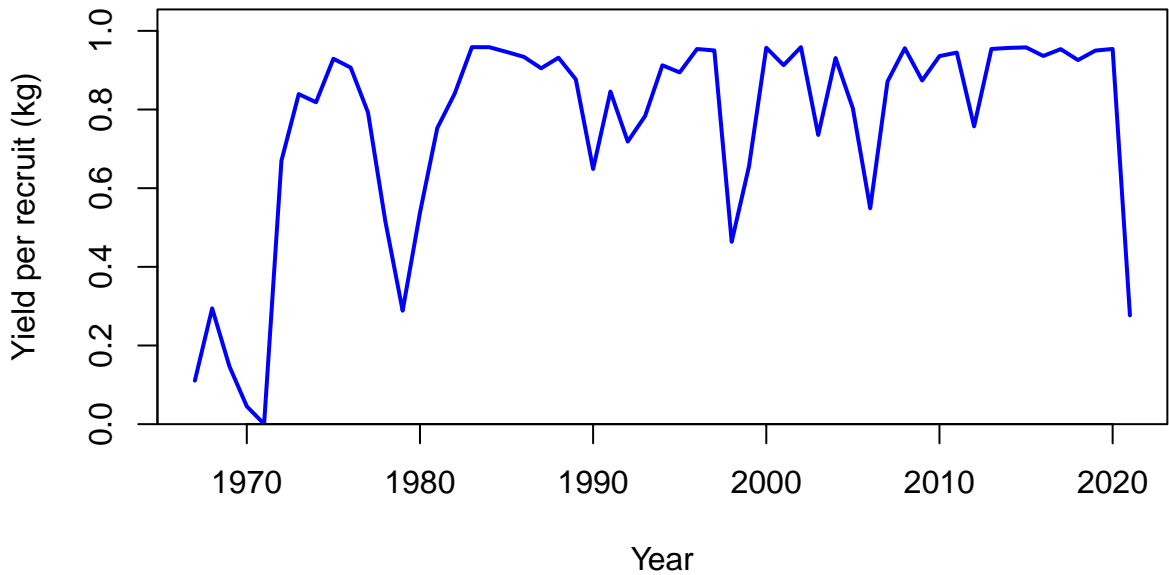


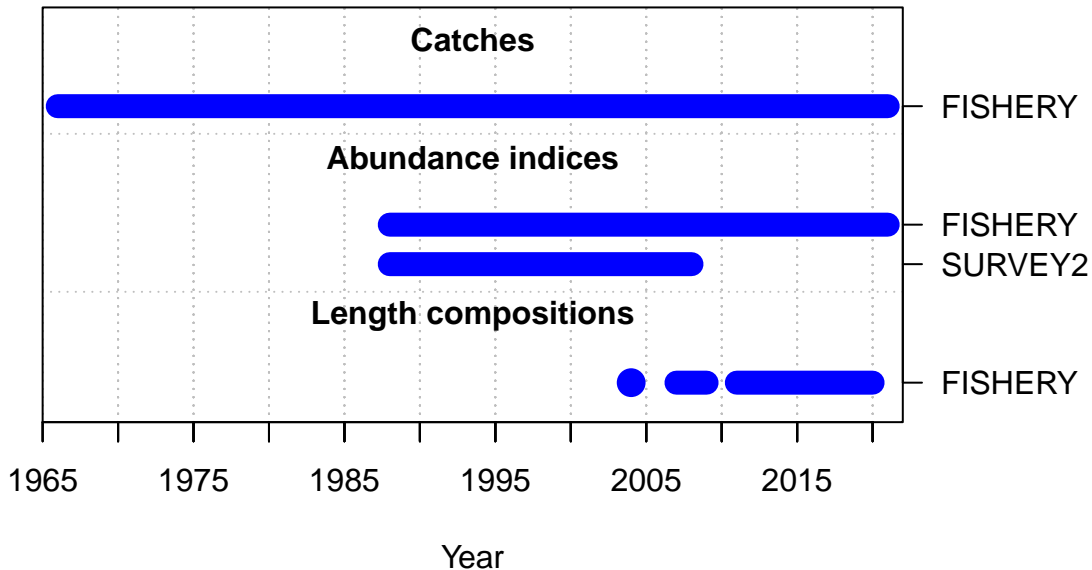


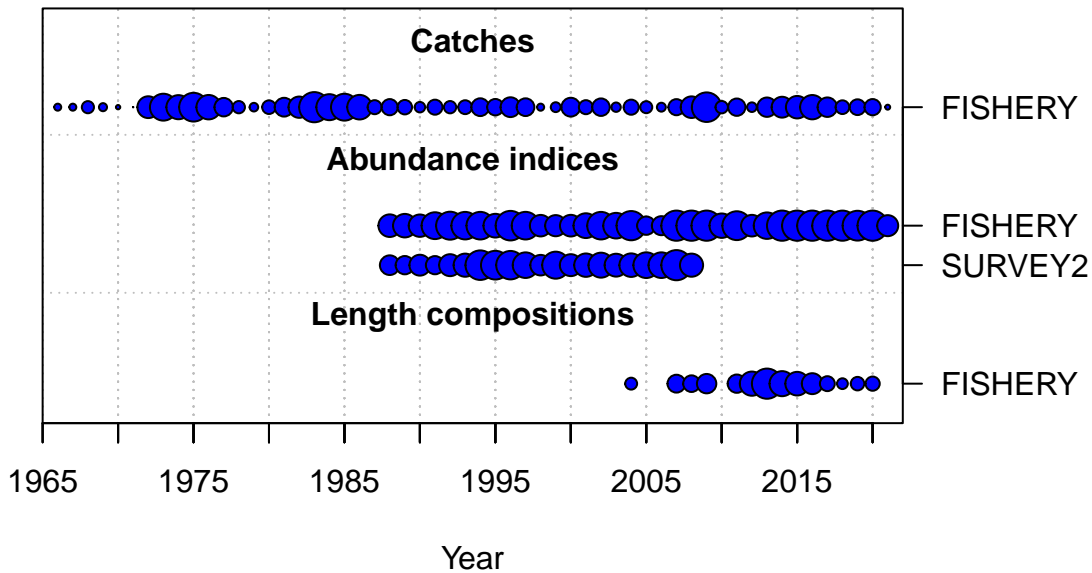






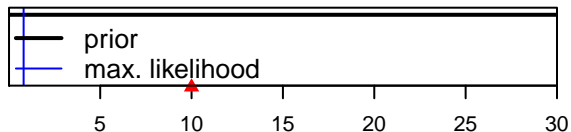




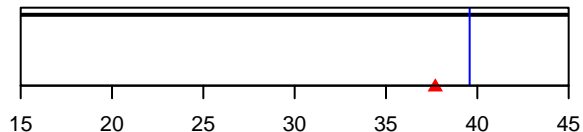


Density

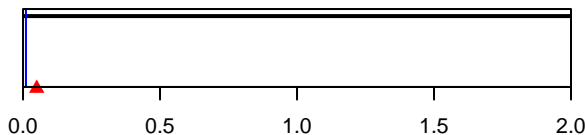
SR\_LN(R0)



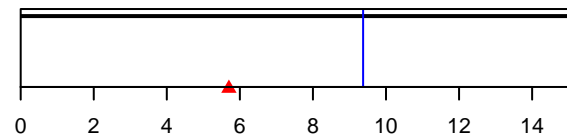
Size\_inflection\_FISHERY(1)



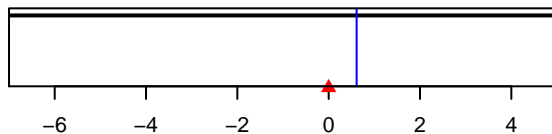
InitF\_seas\_1\_flt\_1FISHERY



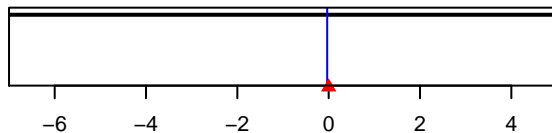
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value