

Plots created using the 'r4ss' package in R

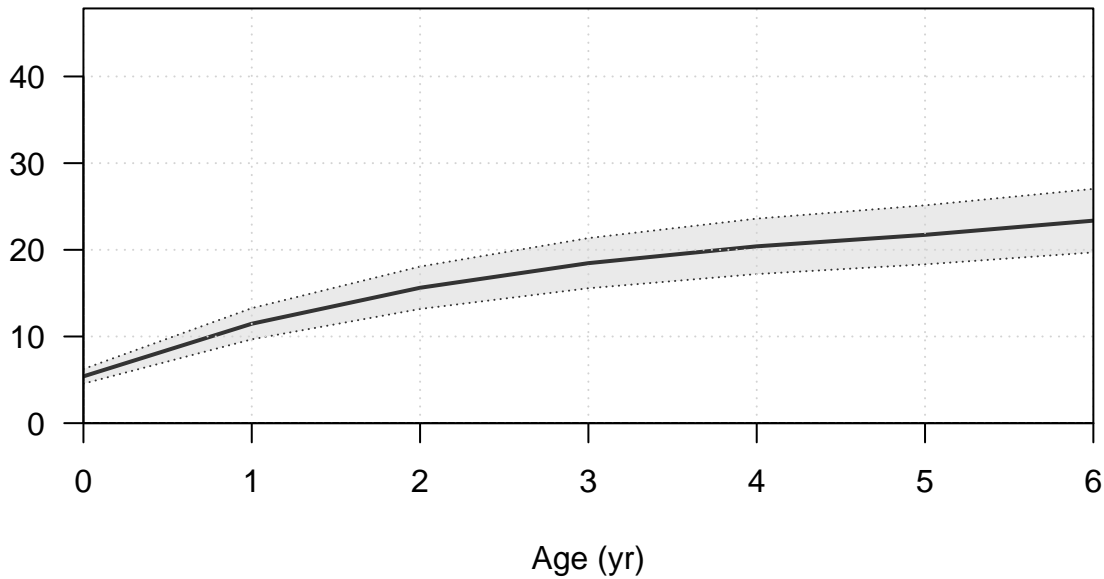
Stock Synthesis version: 3.30.19.0

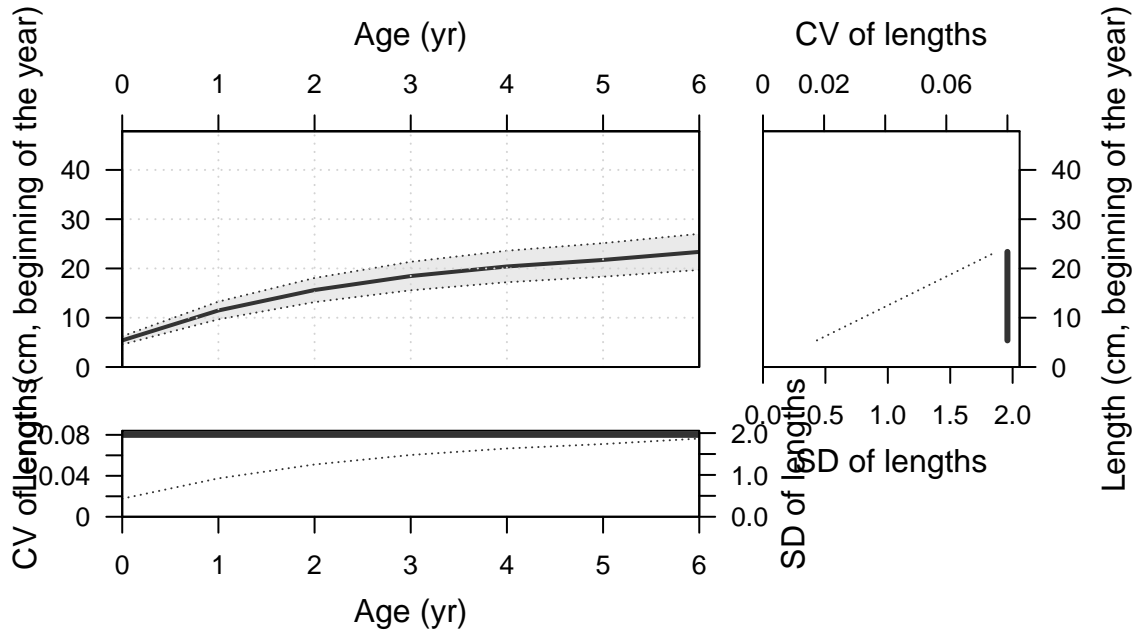
StartTime: Fri Jul 22 14:12:08 2022

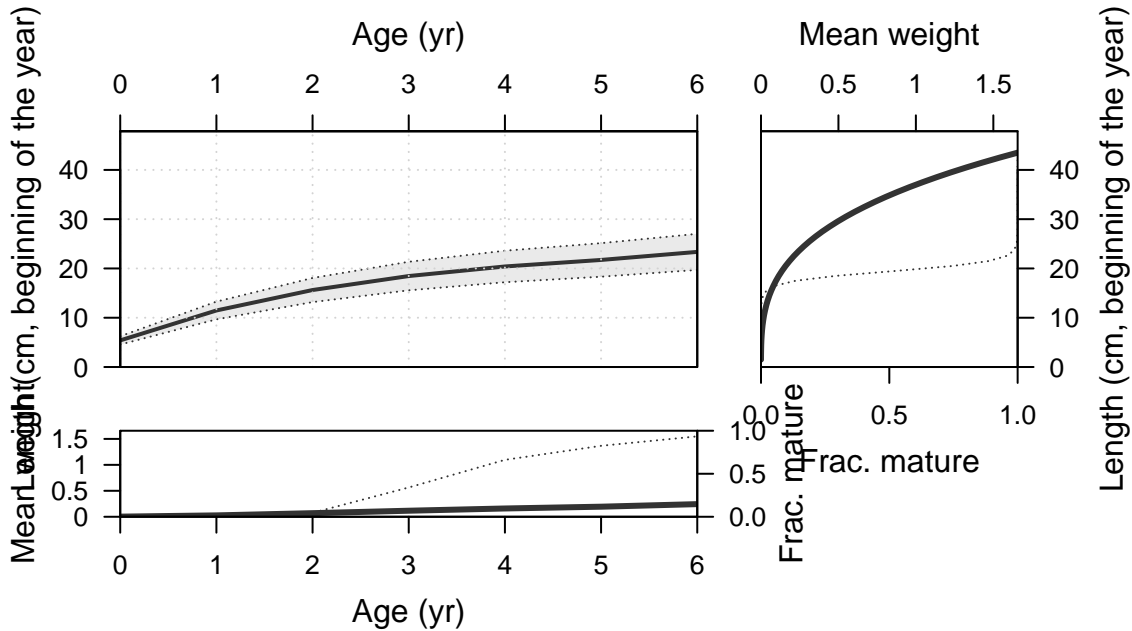
Data_File: data.ss

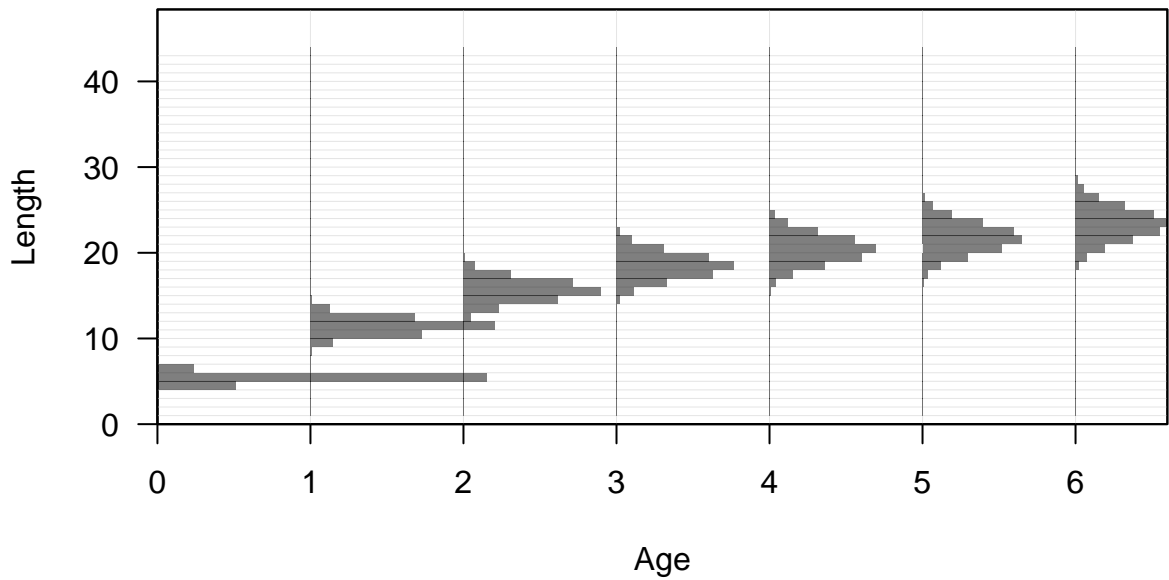
Control_File: control.ss

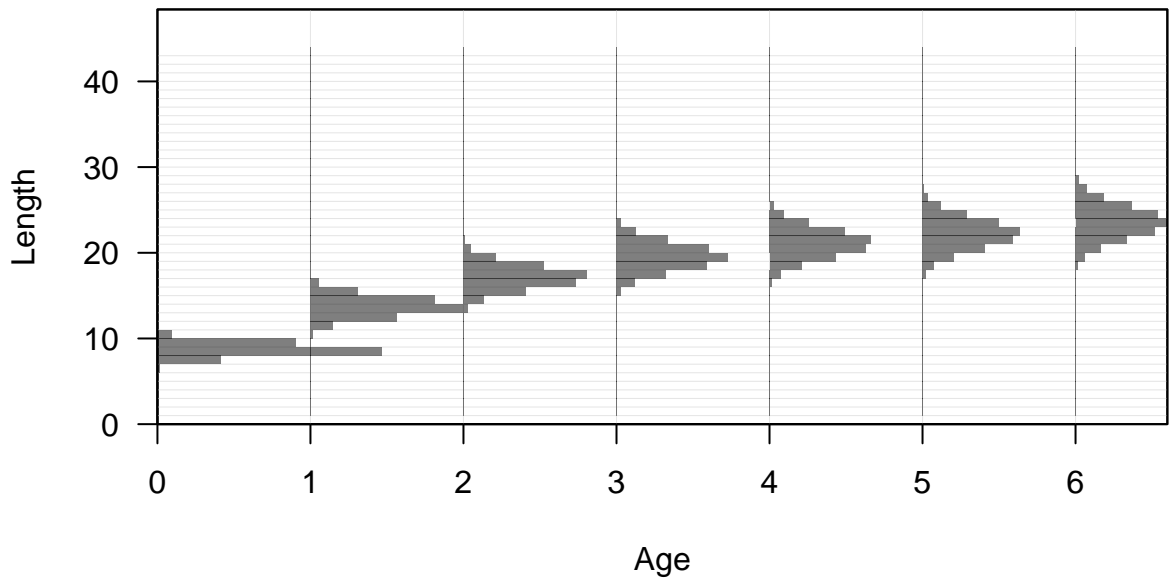
Length (cm, beginning of the year)



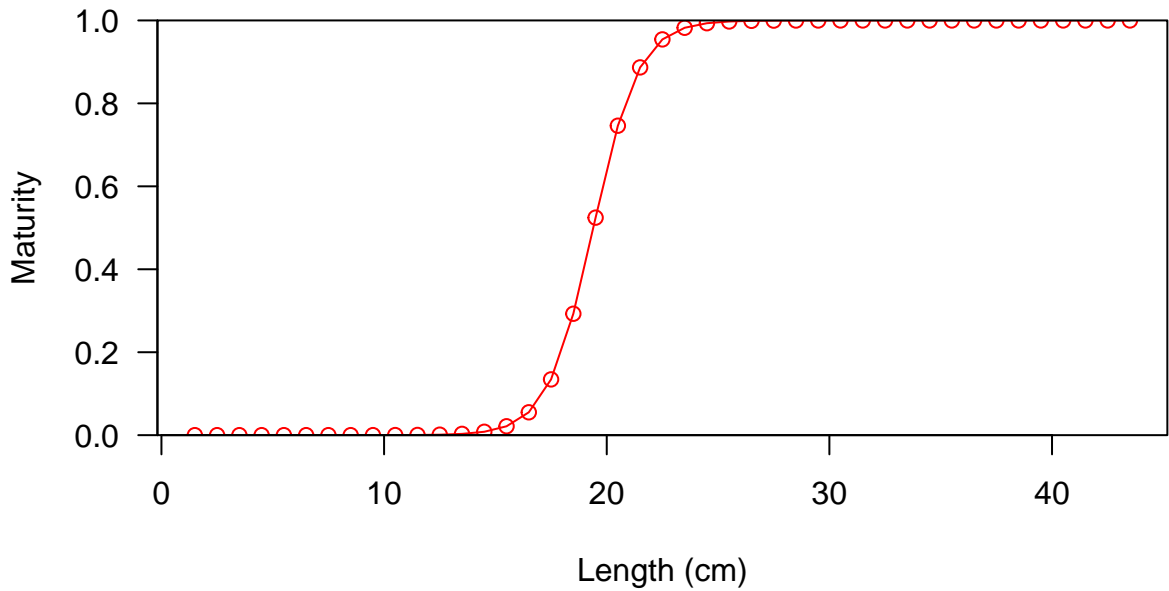








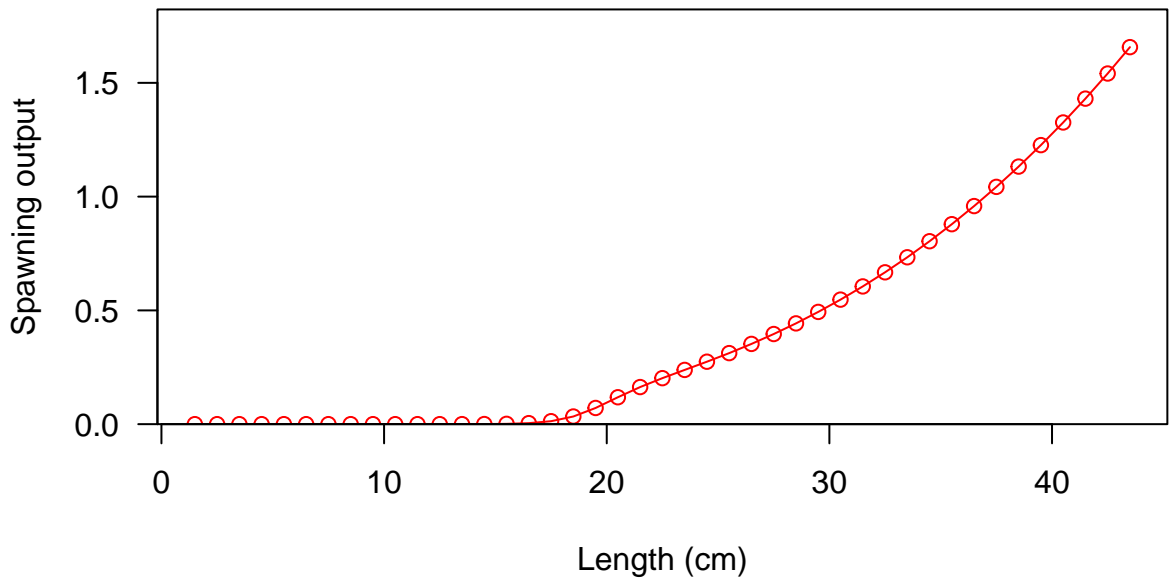


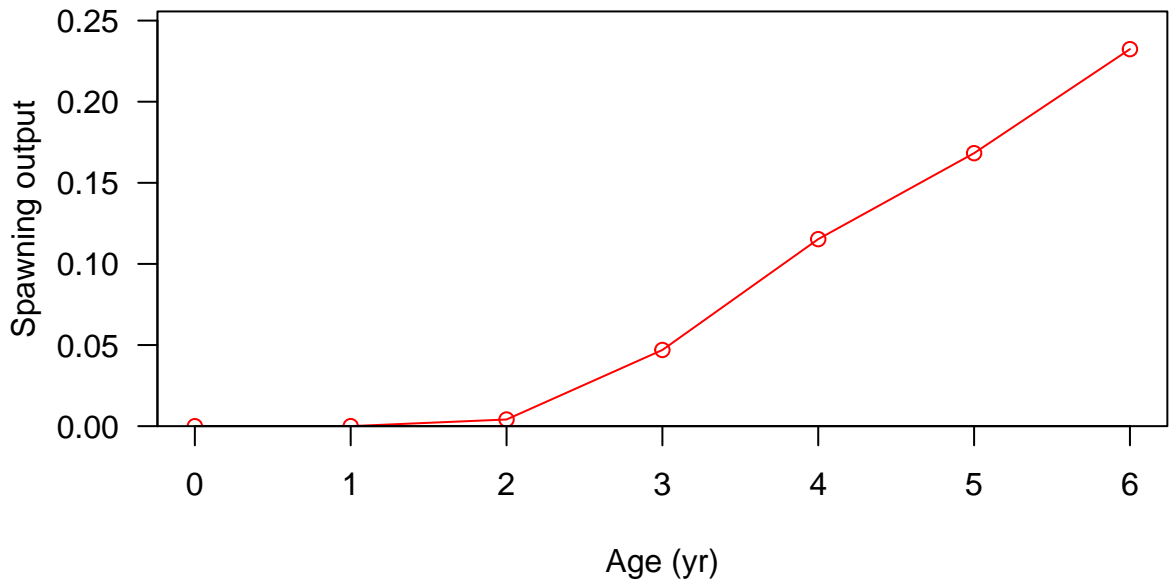




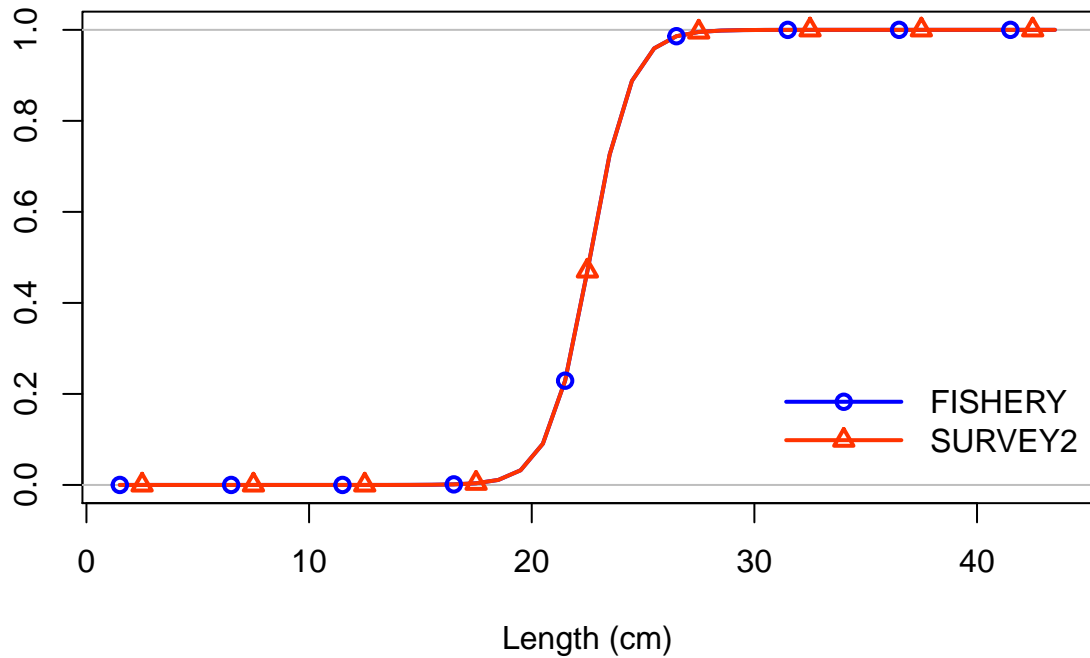




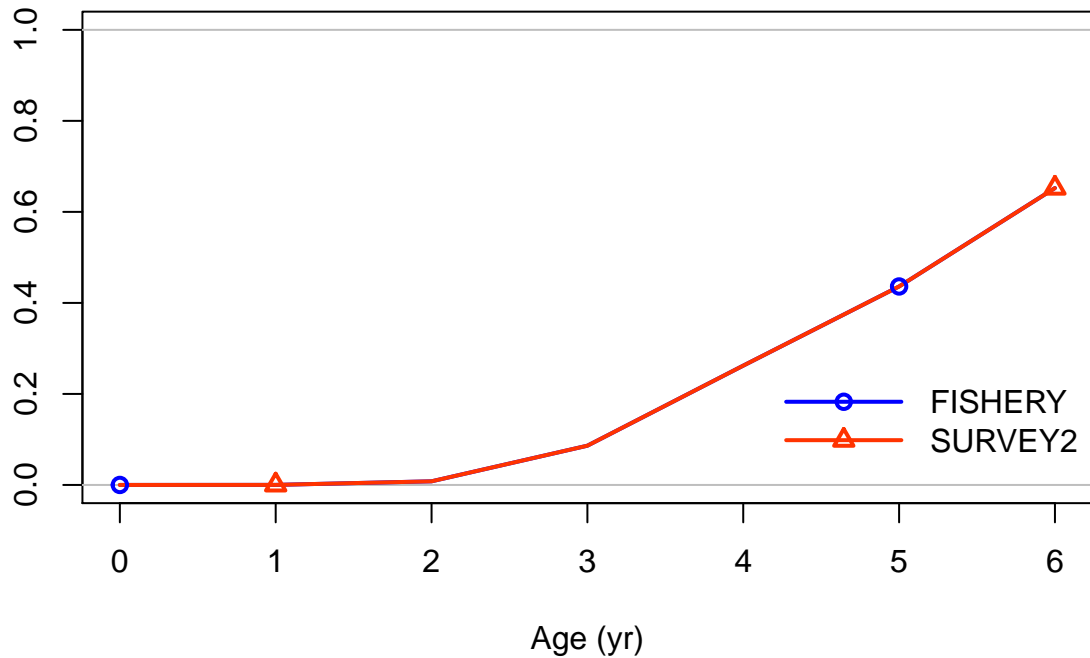




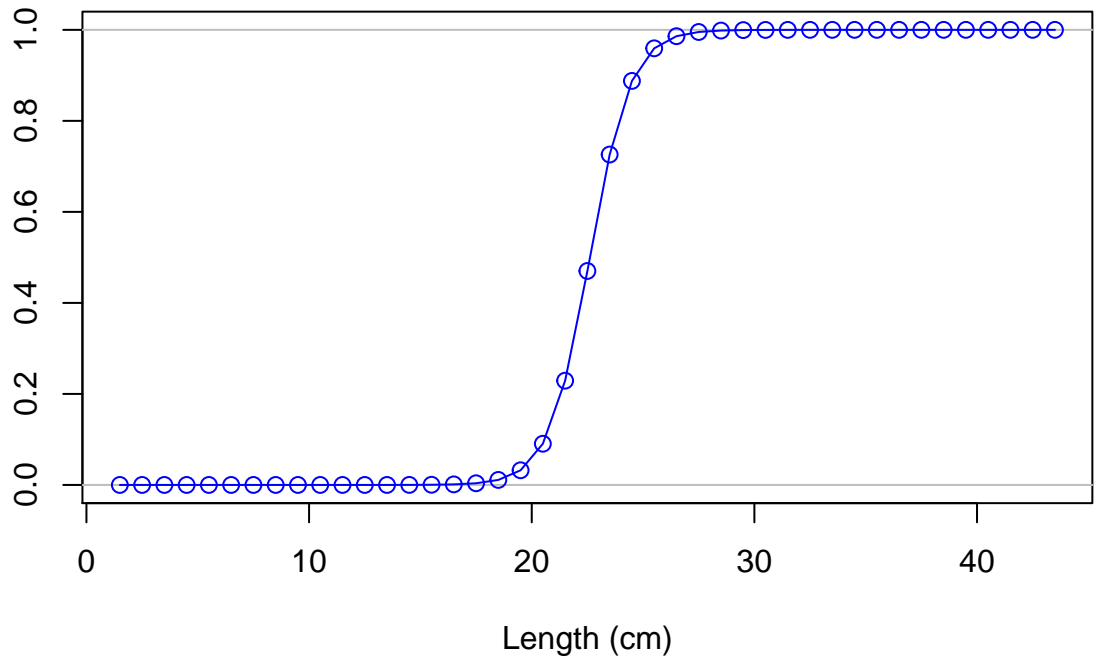
Selectivity



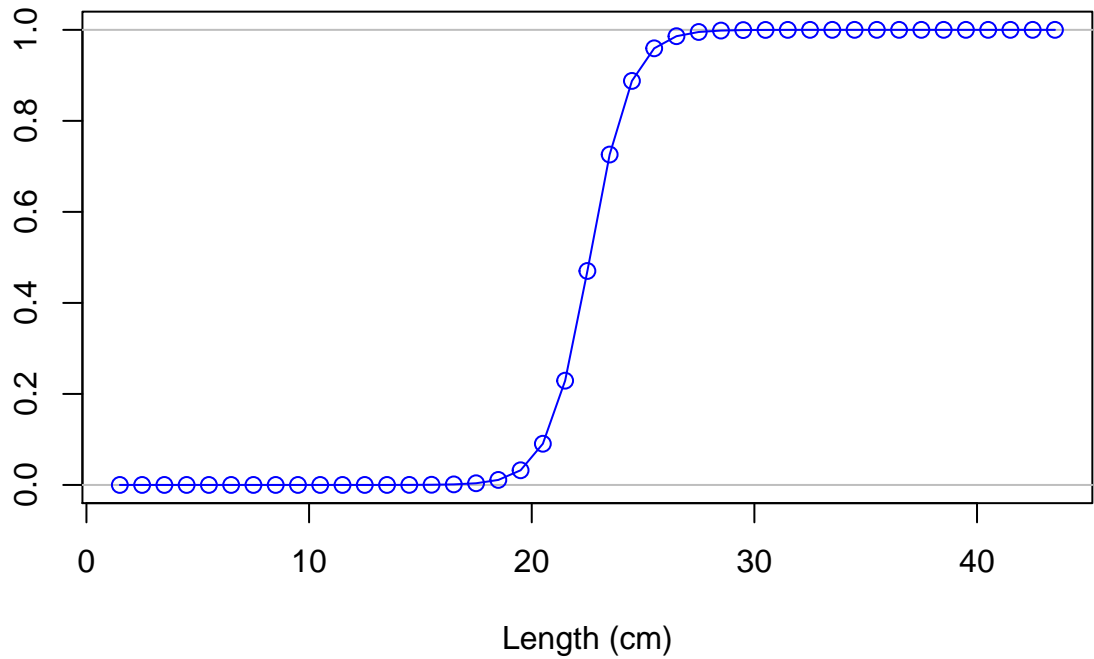
Selectivity

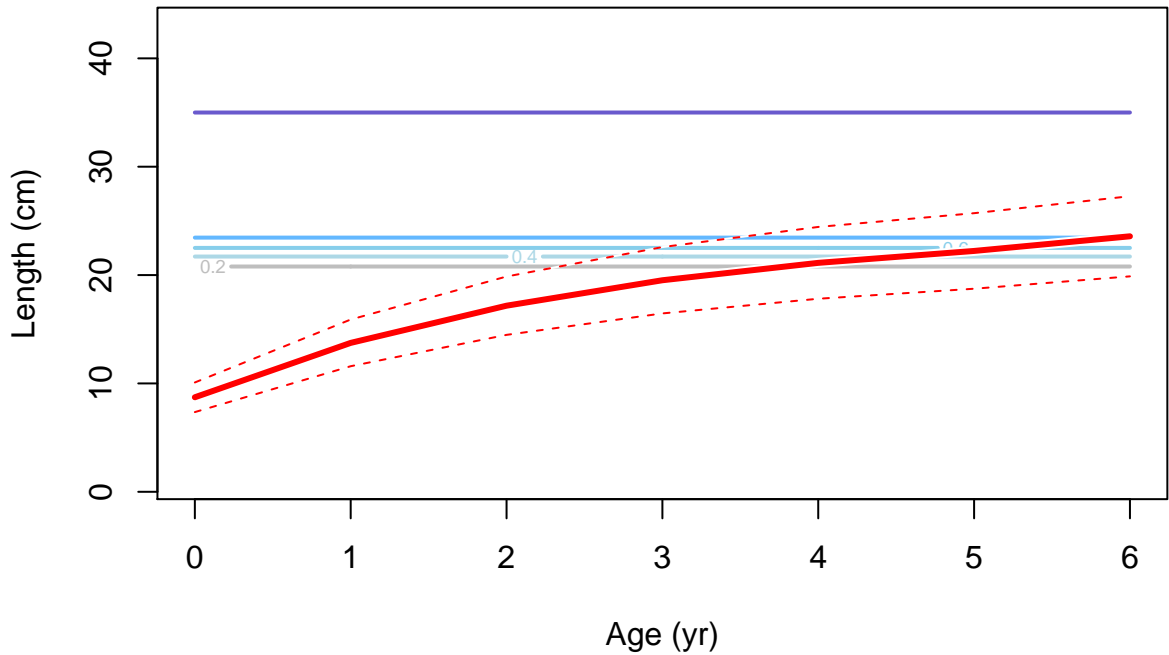


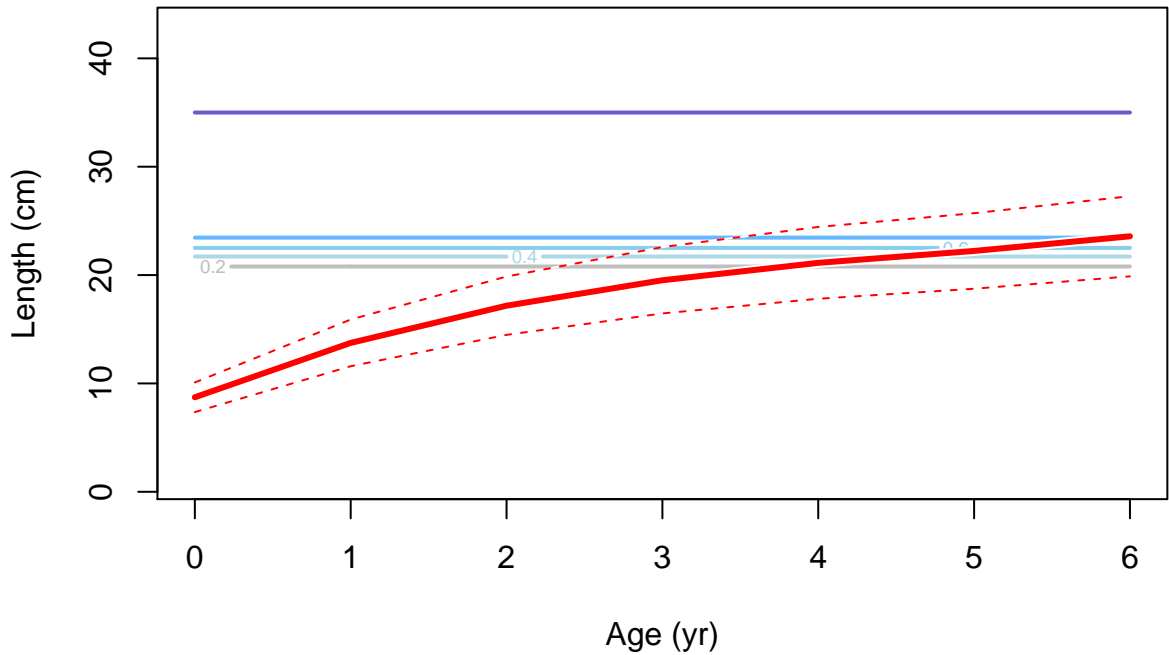
Selectivity

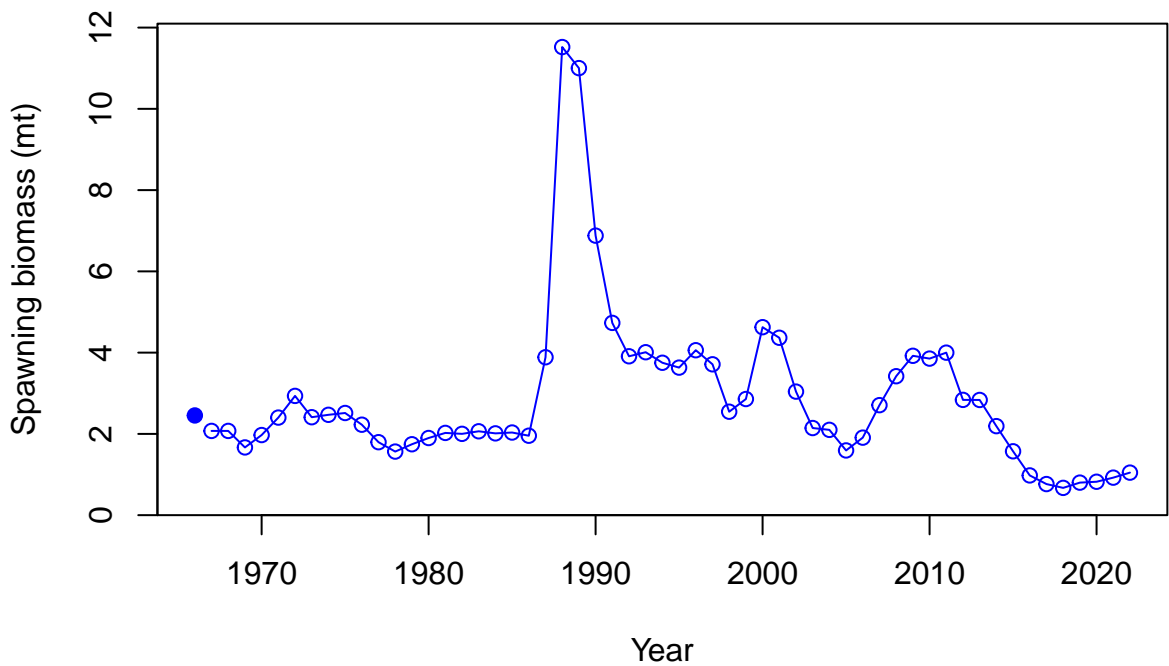


Selectivity

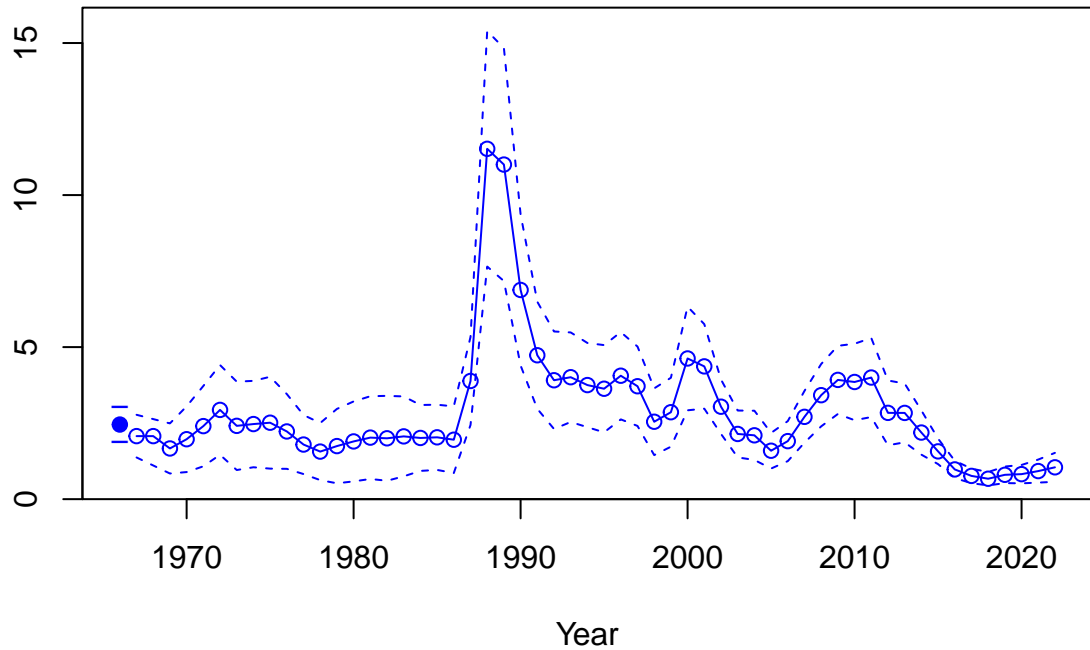




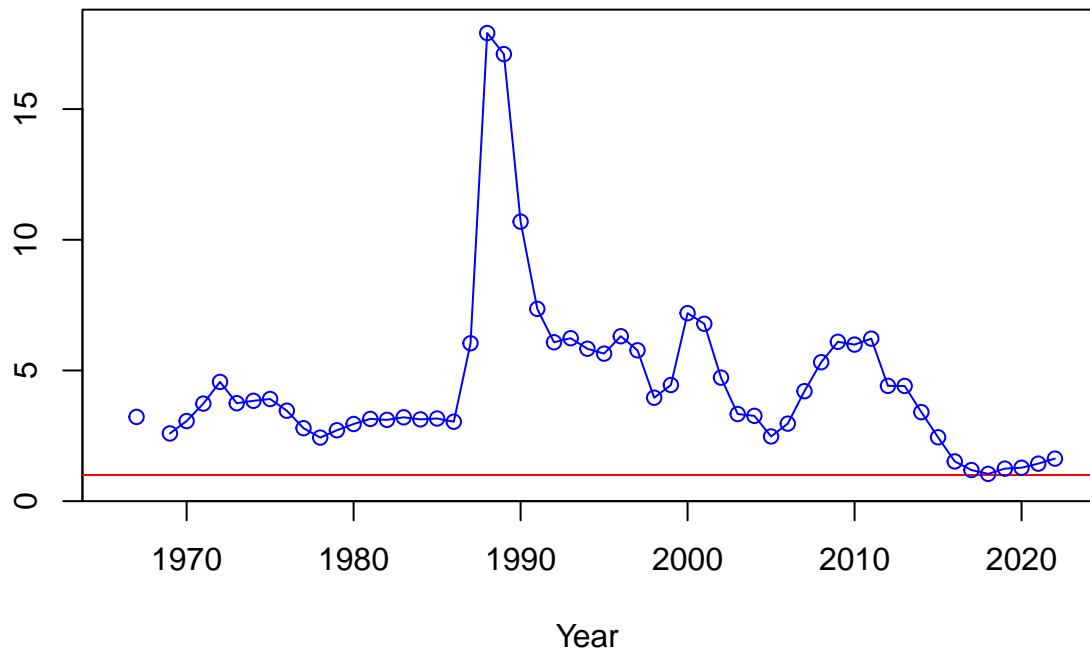




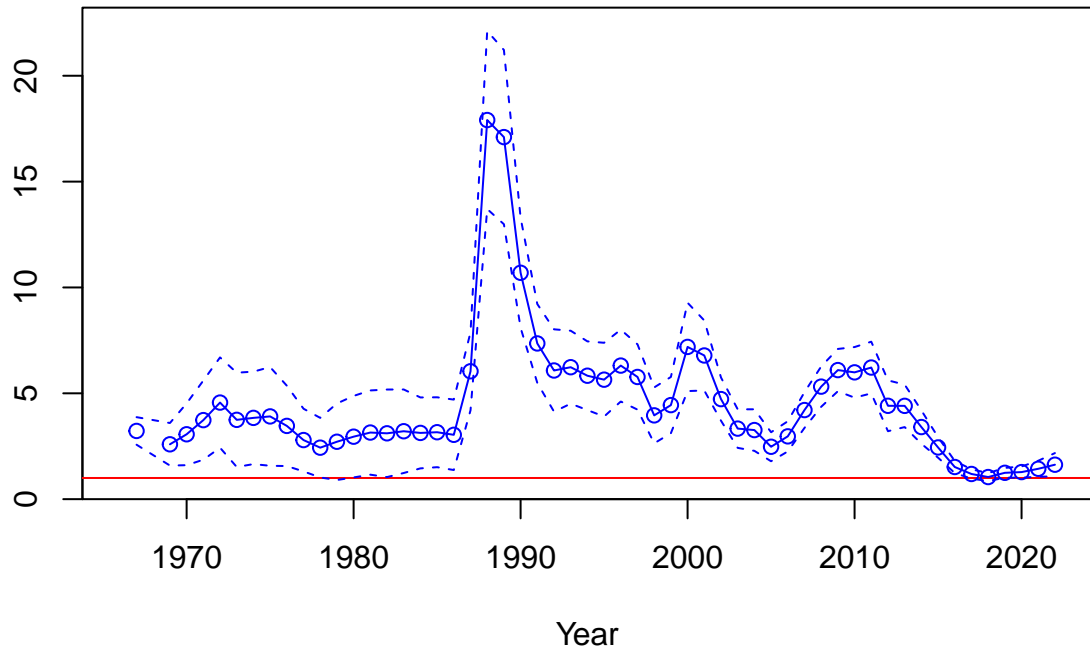
Spawning biomass (mt)

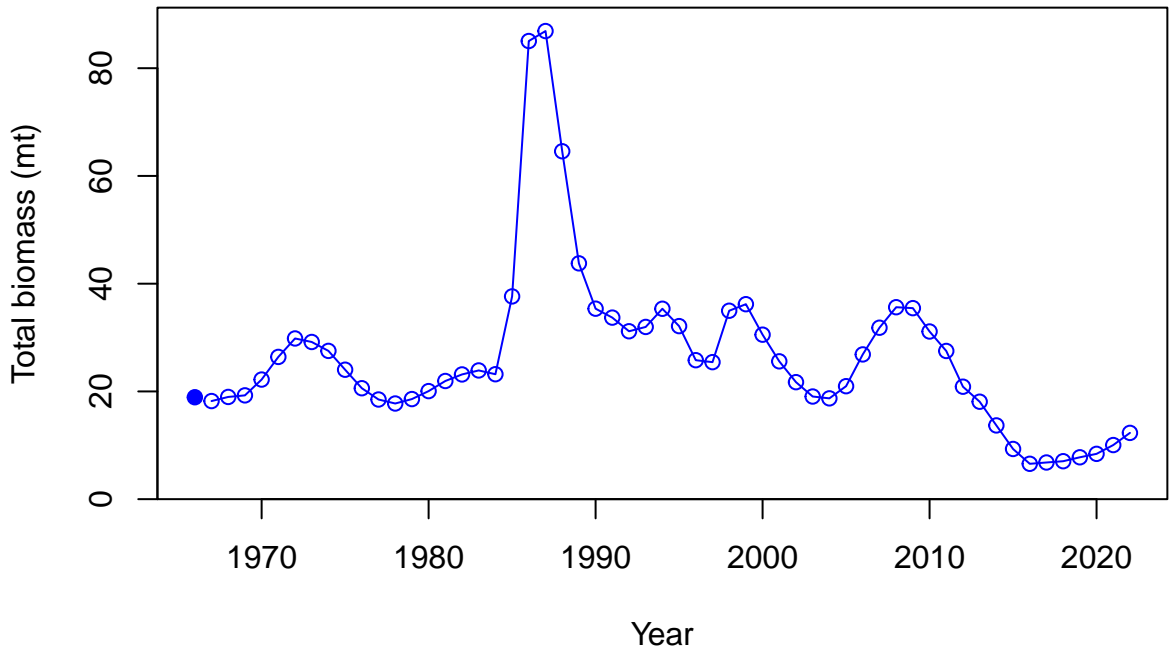


Relative spawning biomass: B/B_{MSY}

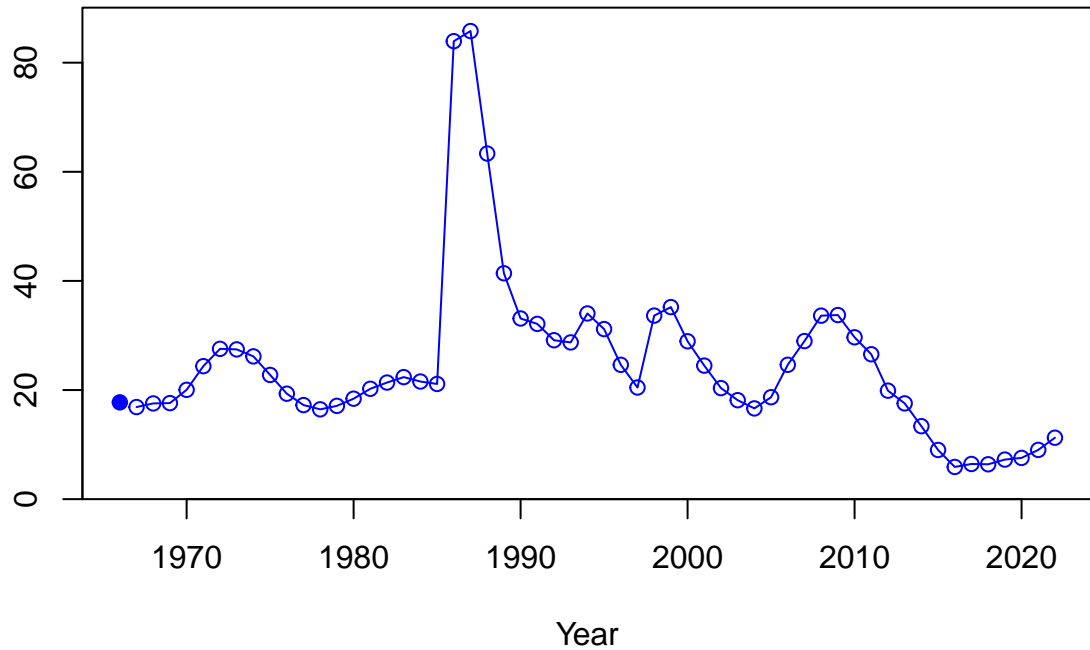


Relative spawning biomass: B/B_{MSY}

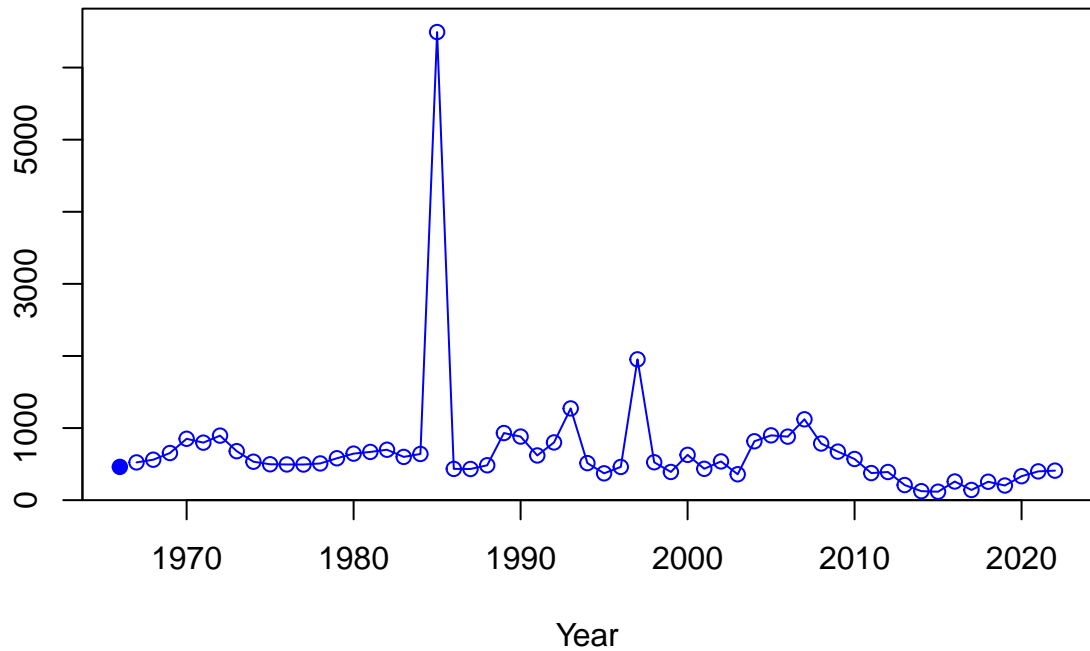




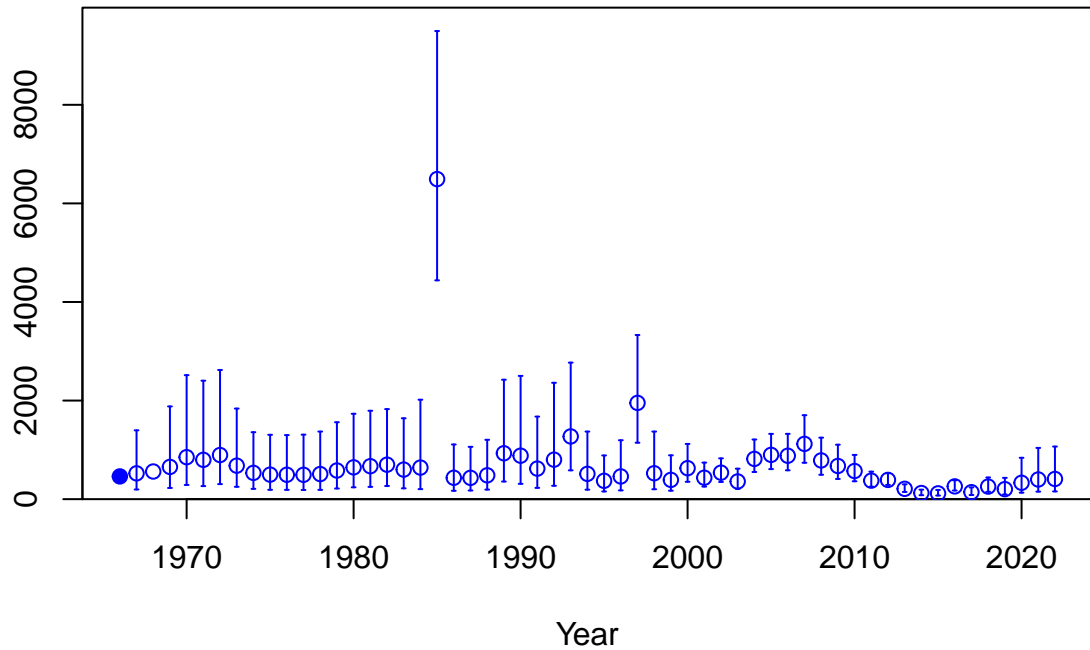
Summary biomass (mt)



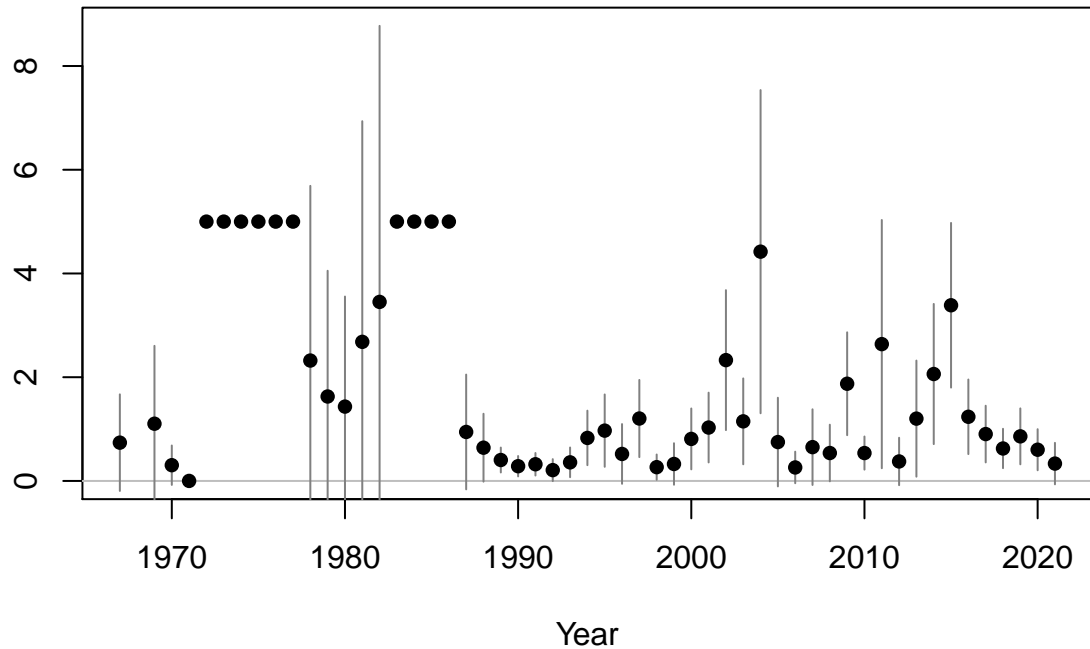
Age-0 recruits (1,000s)

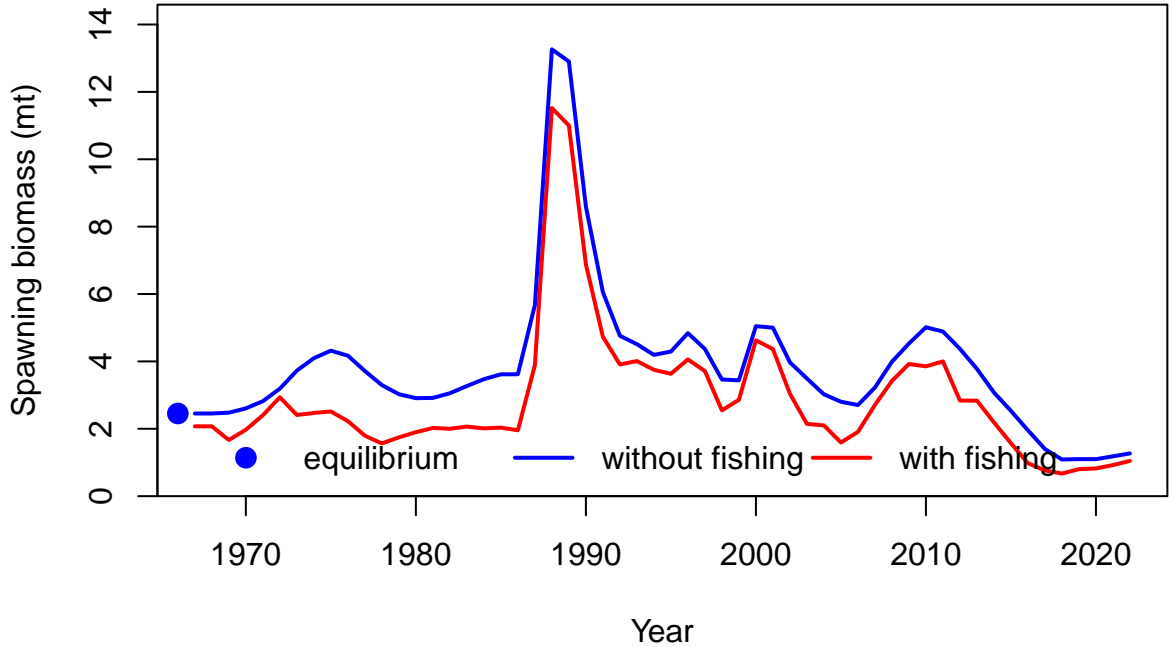


Age-0 recruits (1,000s)

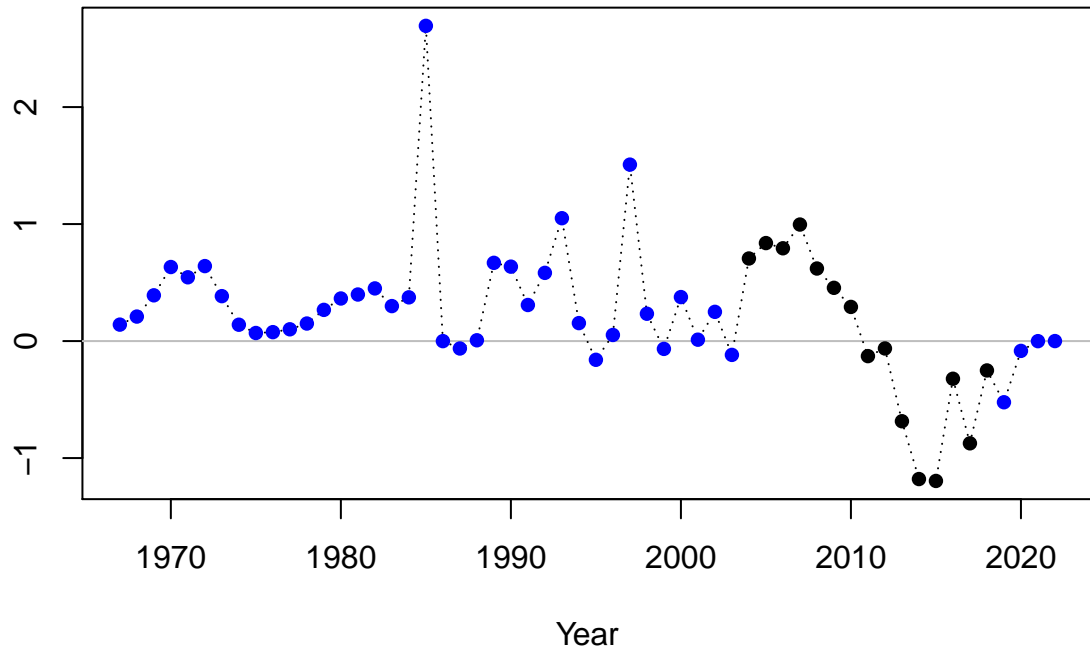


Summary Fishing Mortality

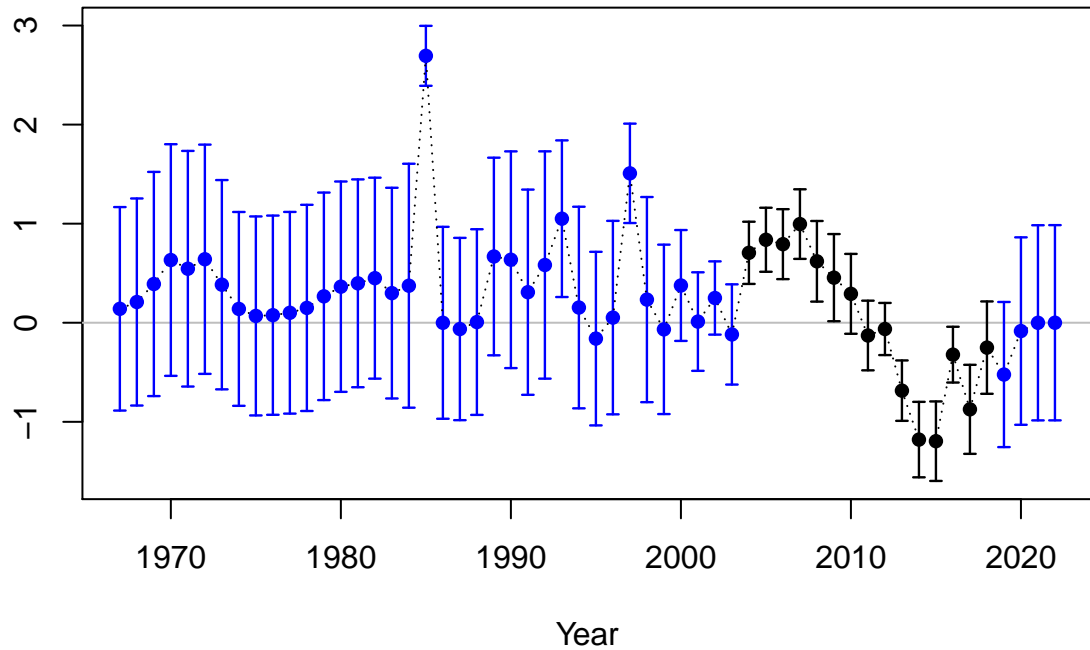




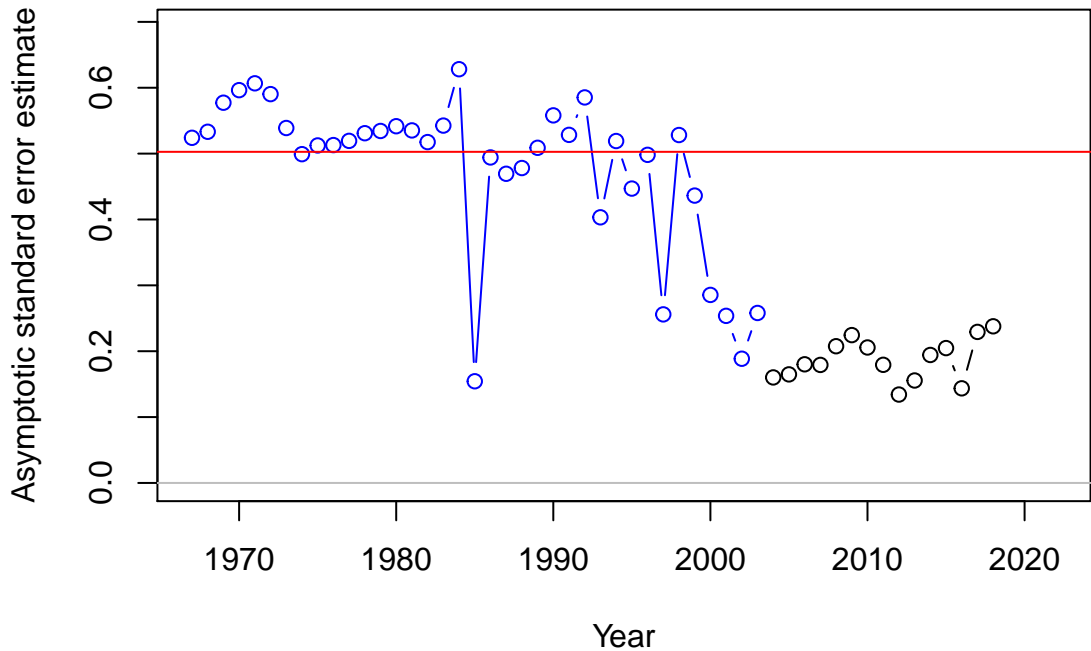
Log recruitment deviation

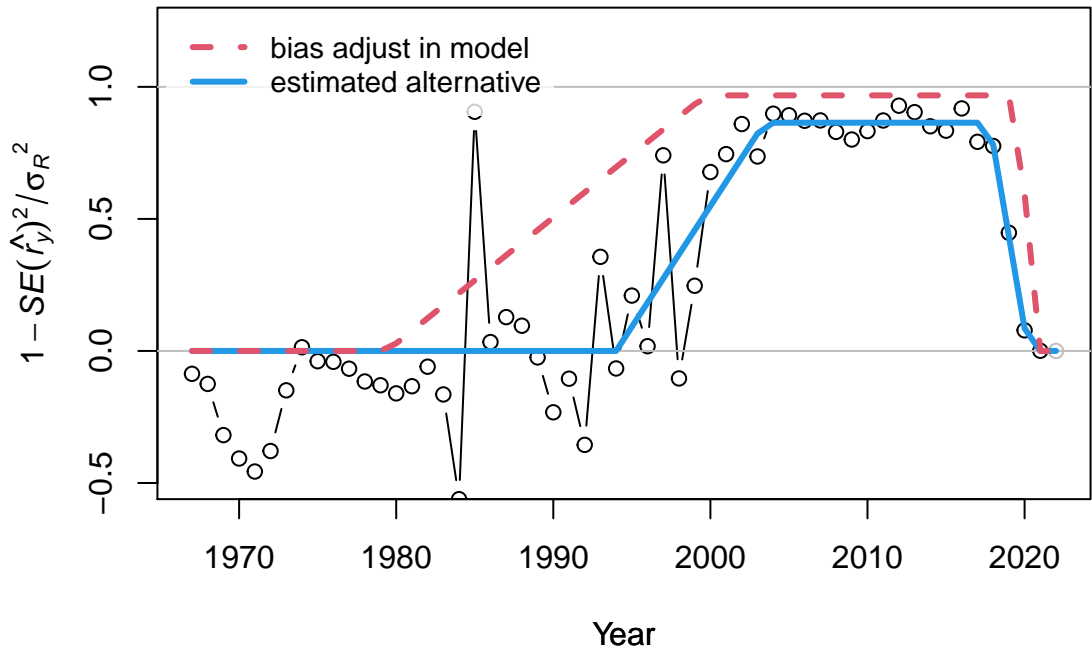


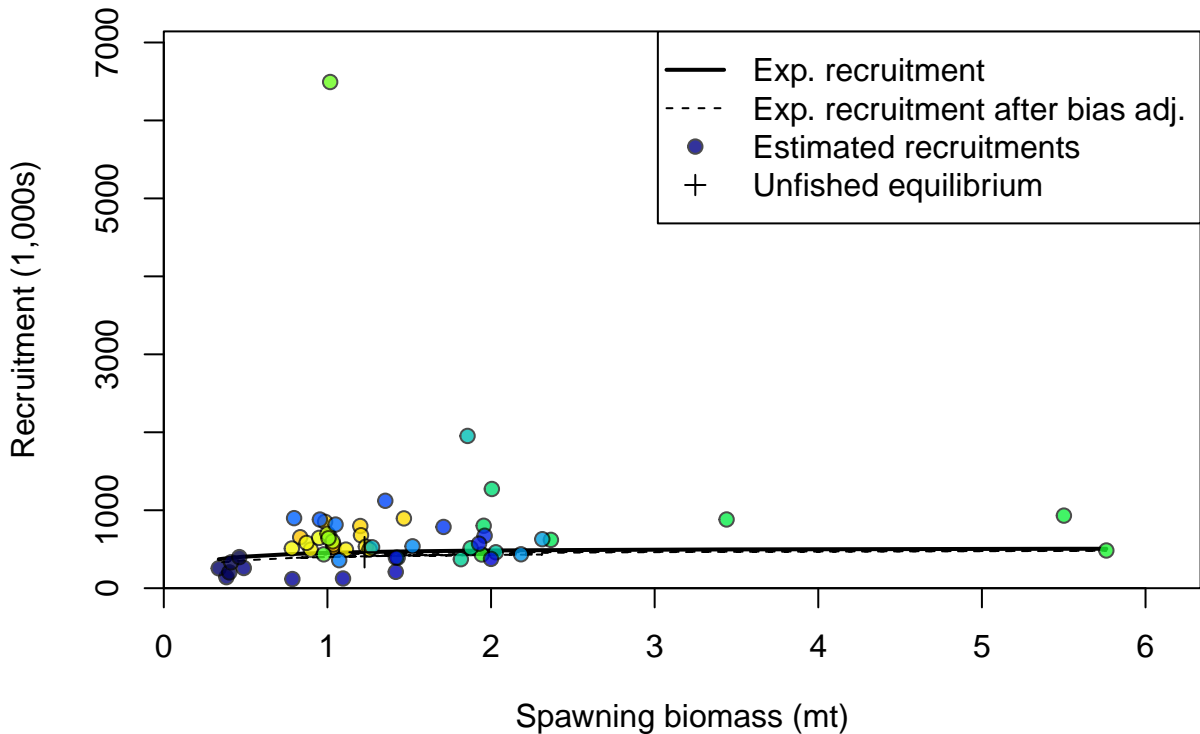
Log recruitment deviation

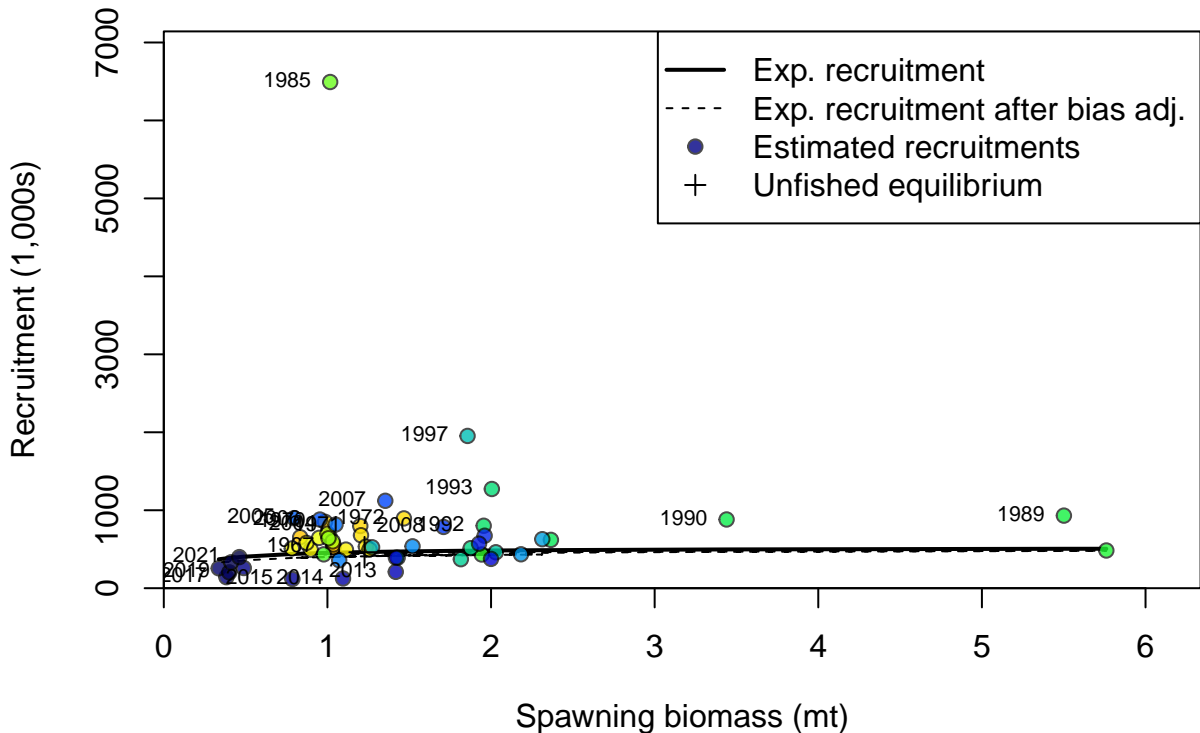


Recruitment deviation variance

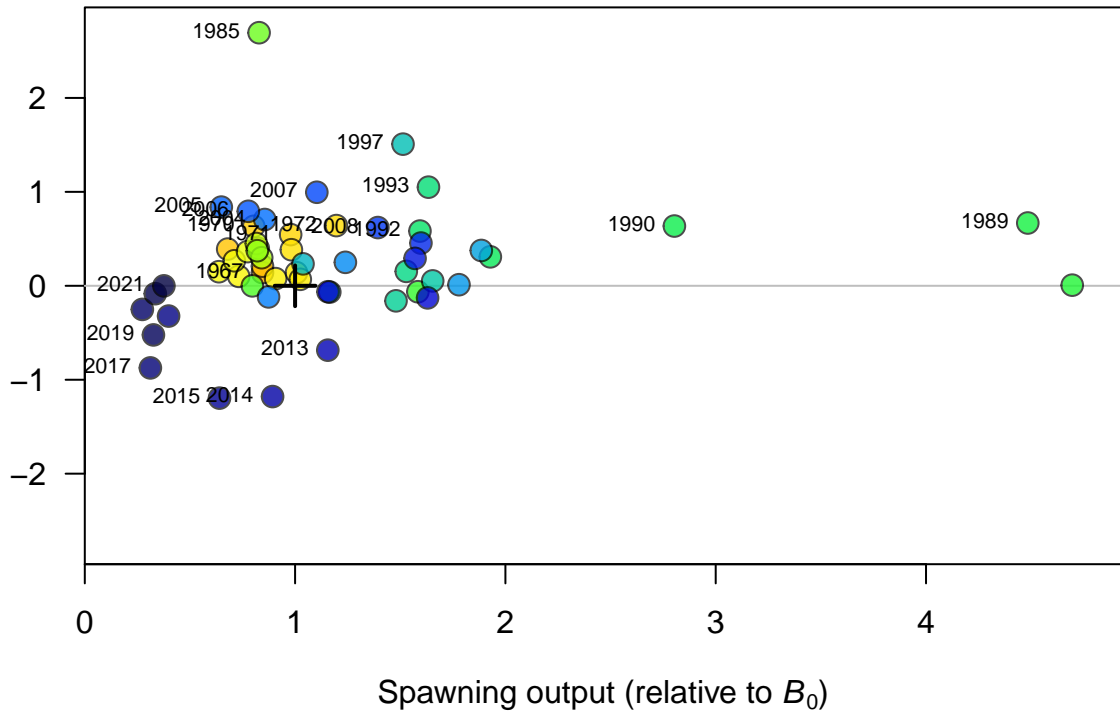


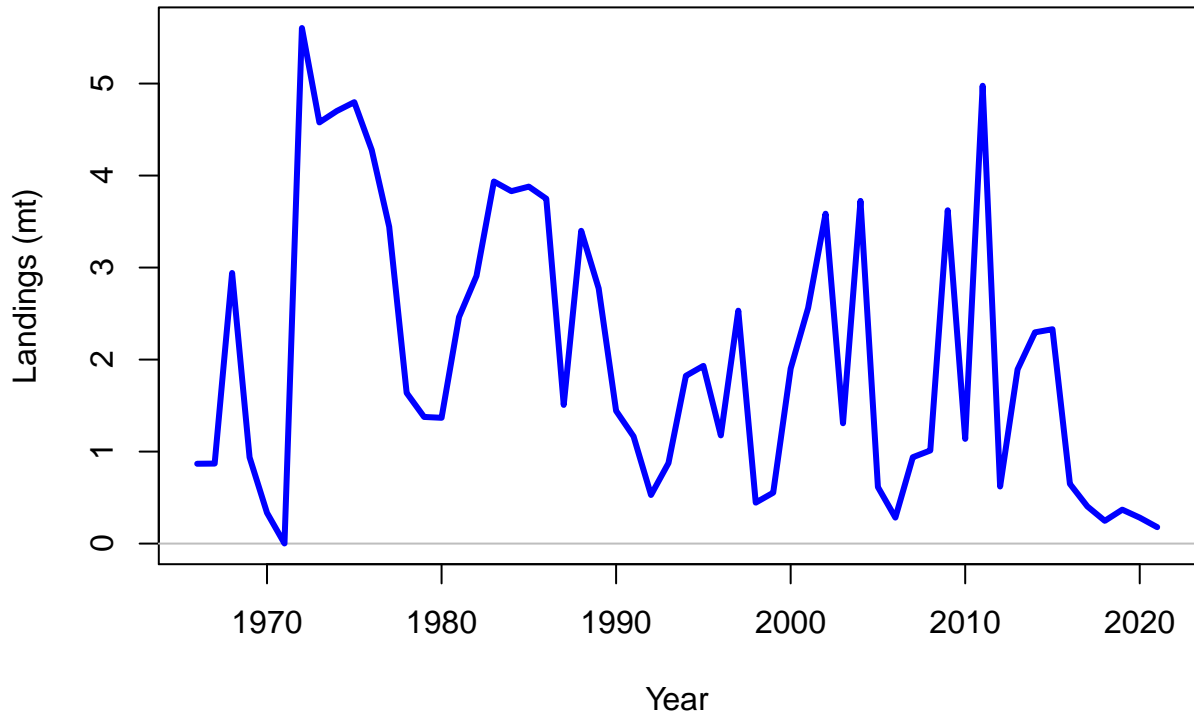


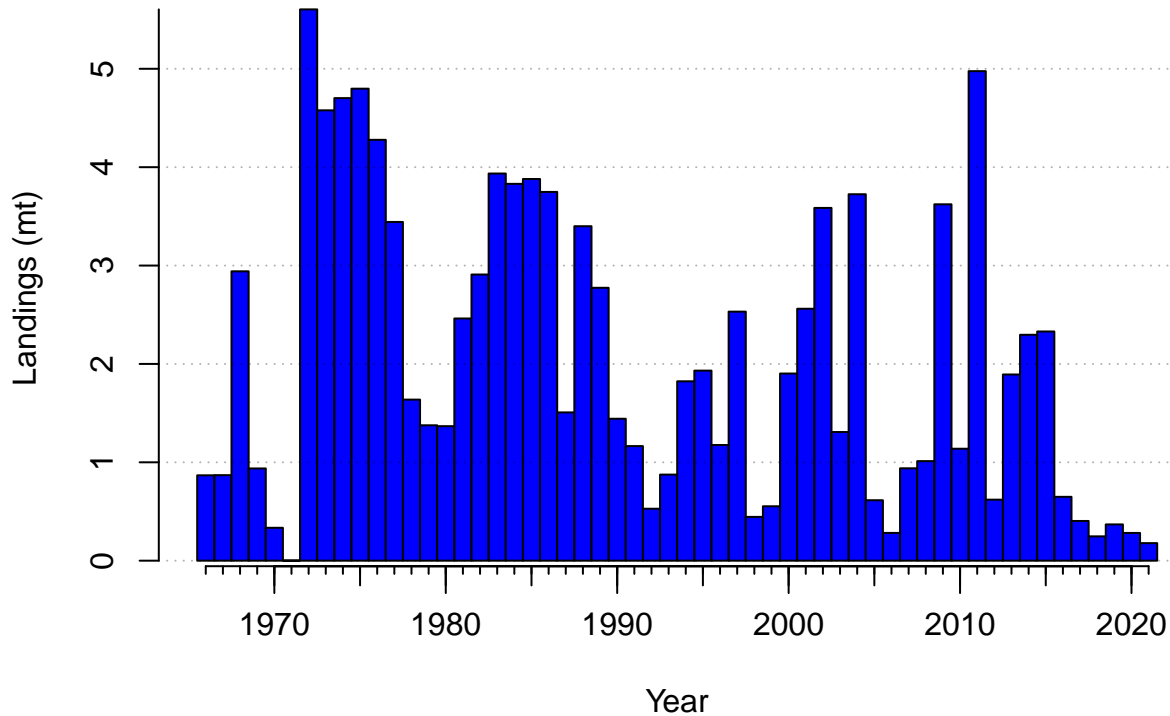


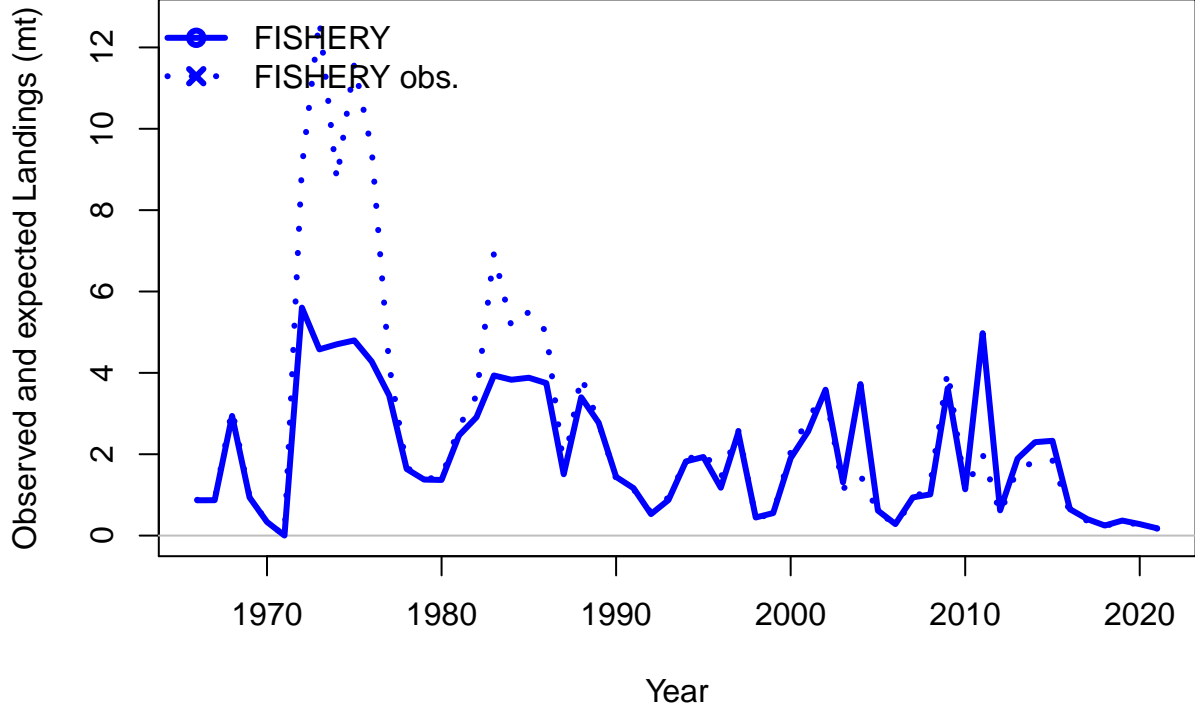


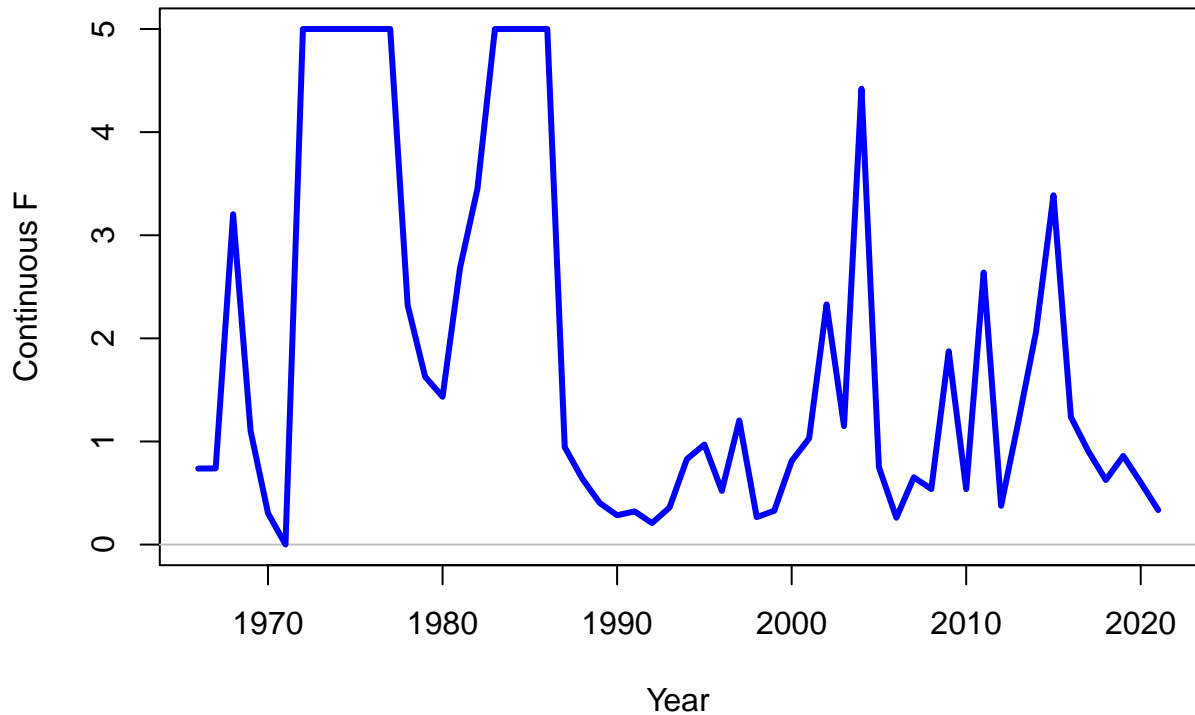
Log recruitment deviation



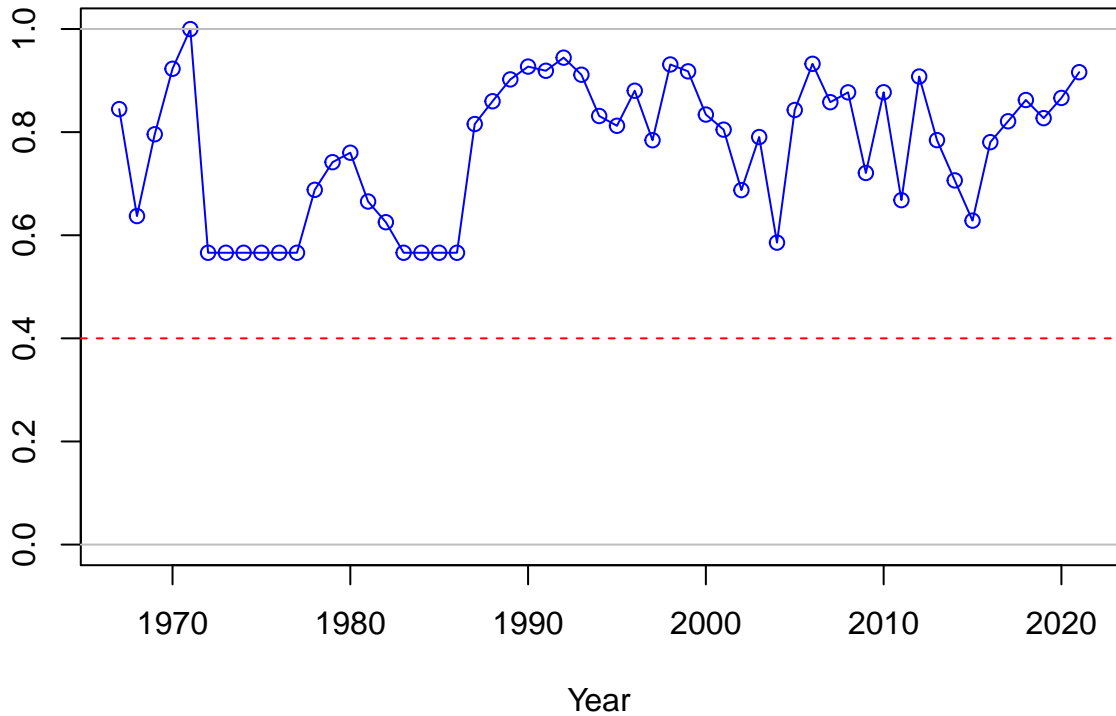




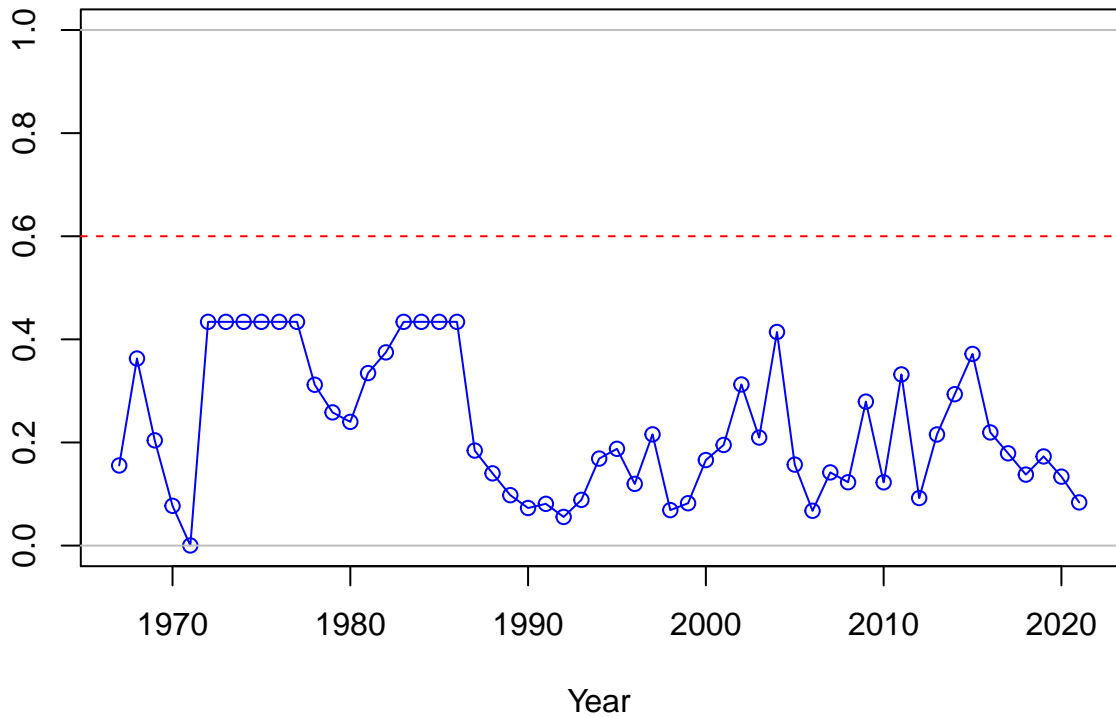




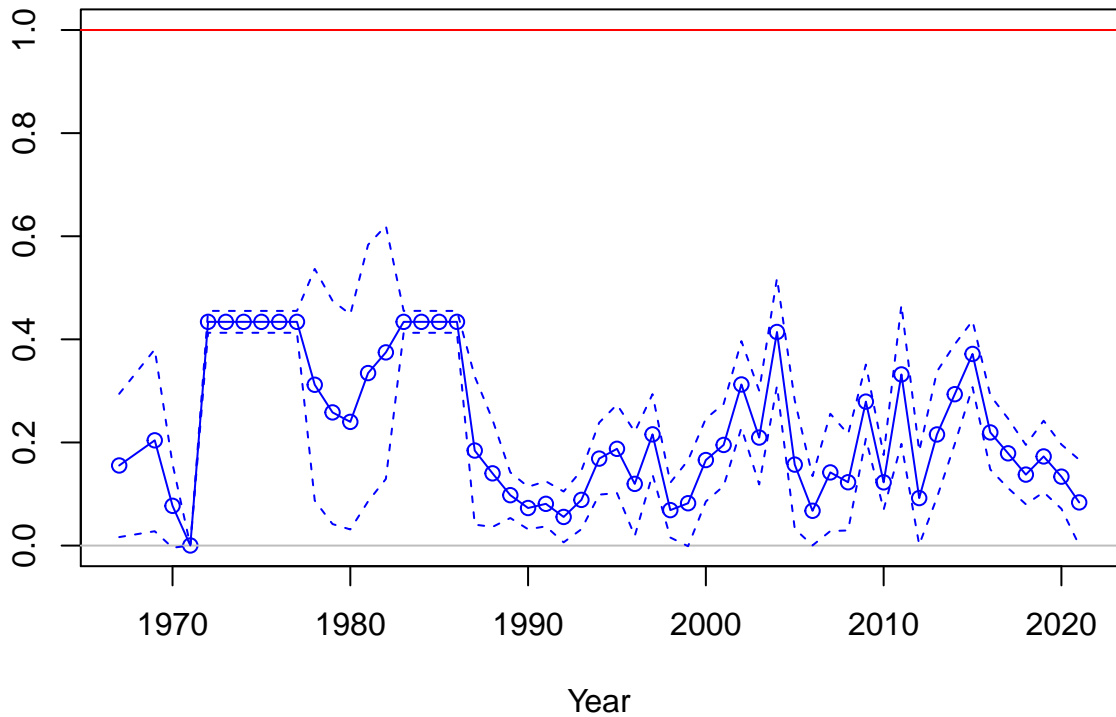
SPR



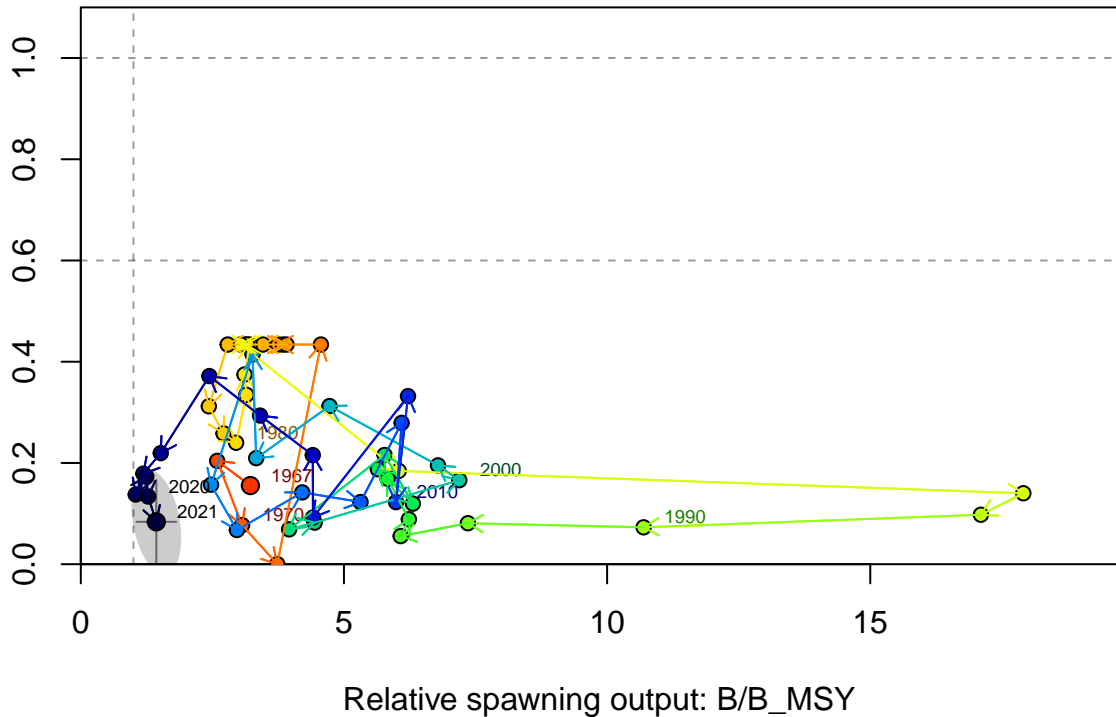
1-SPR



Fishing intensity: 1-SPR



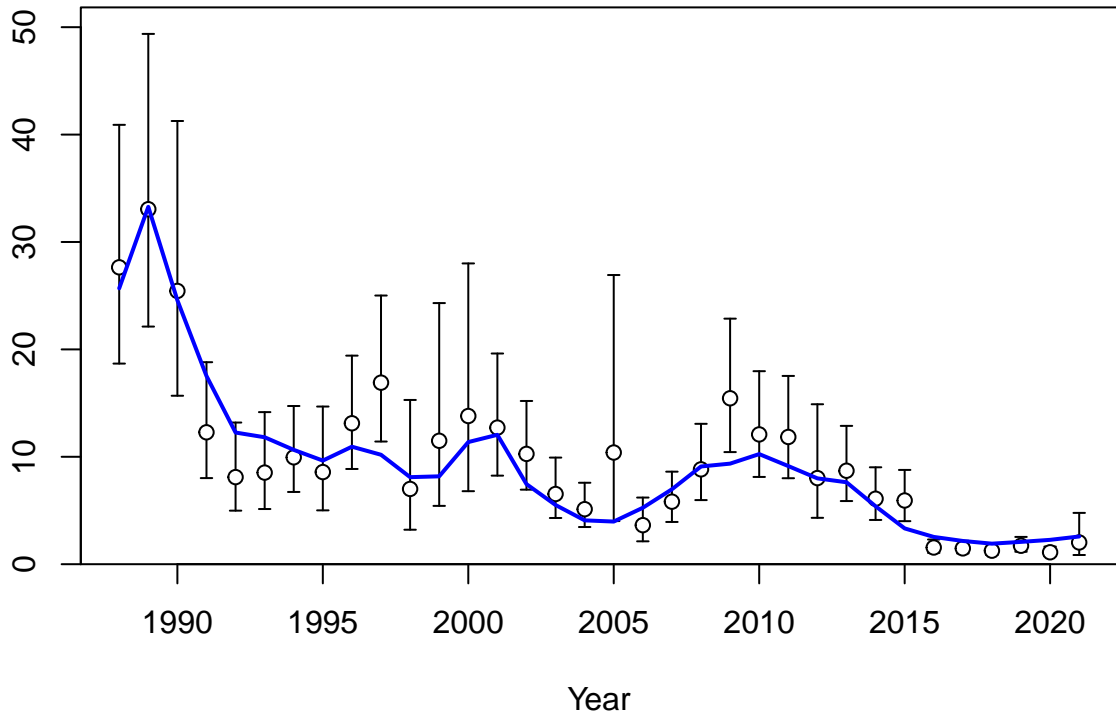
Fishing intensity: 1-SPR

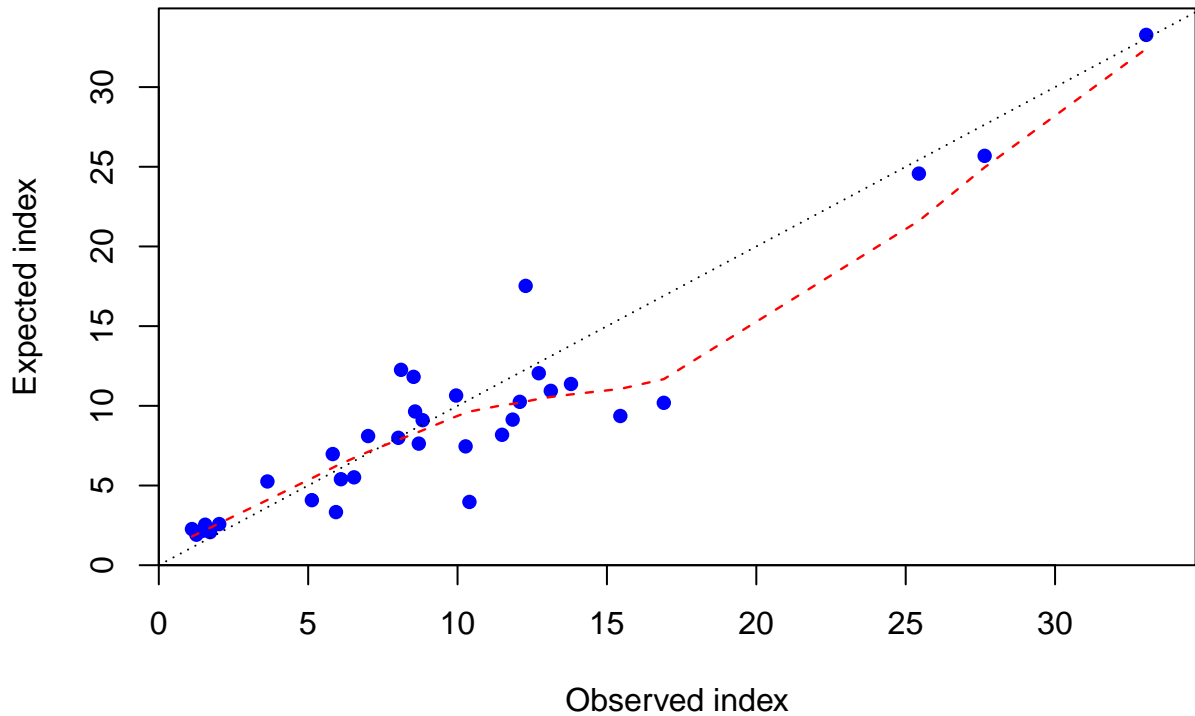


Index



Index

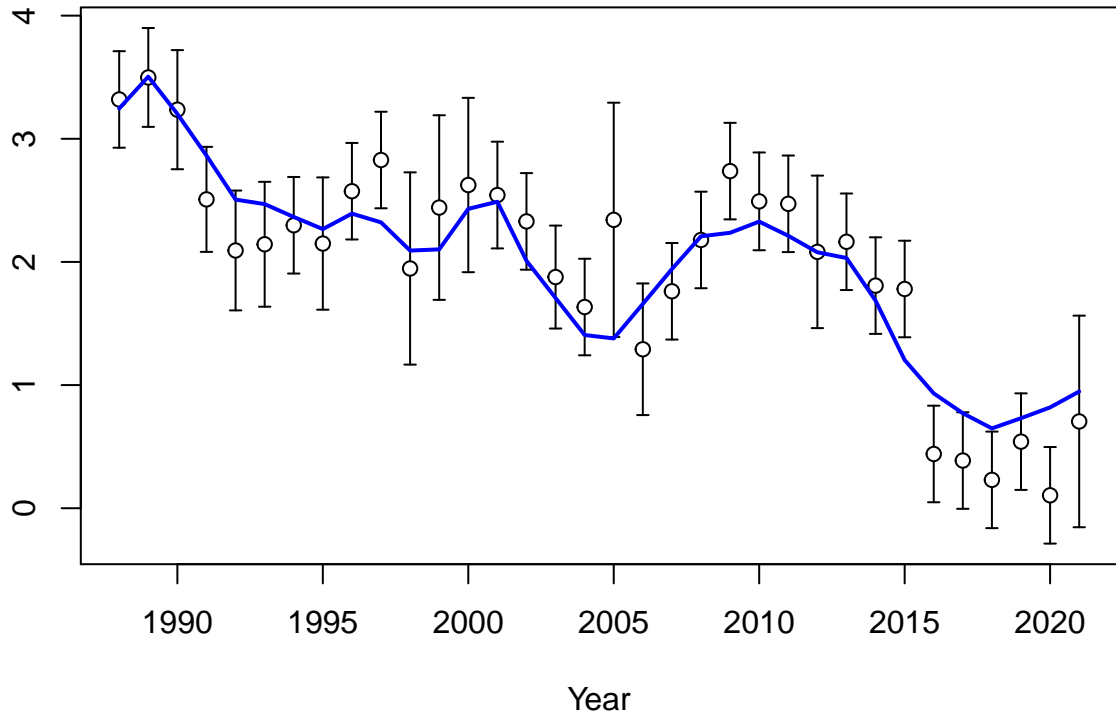


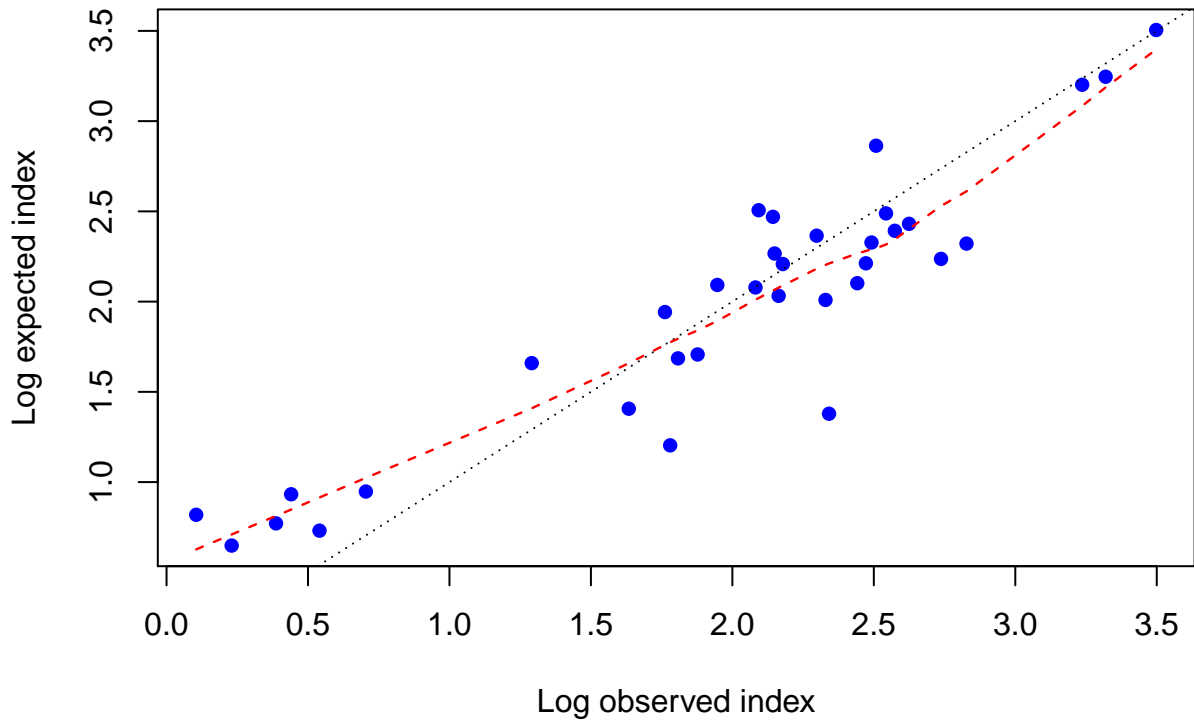


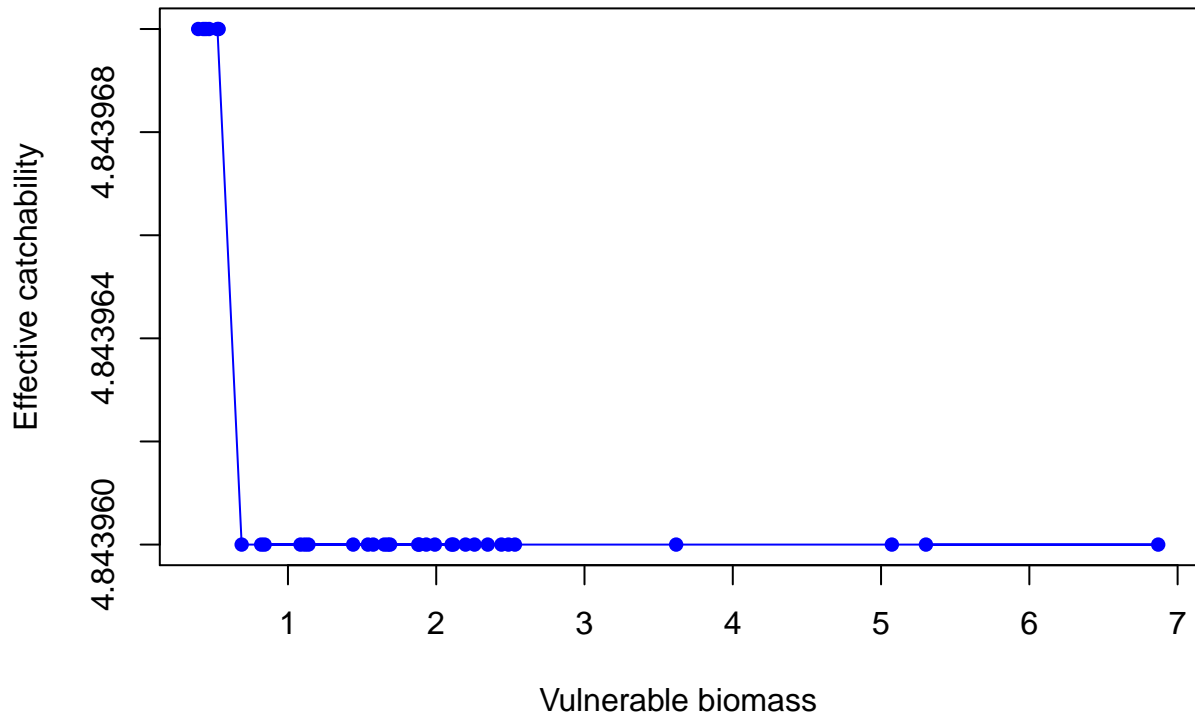
Log index

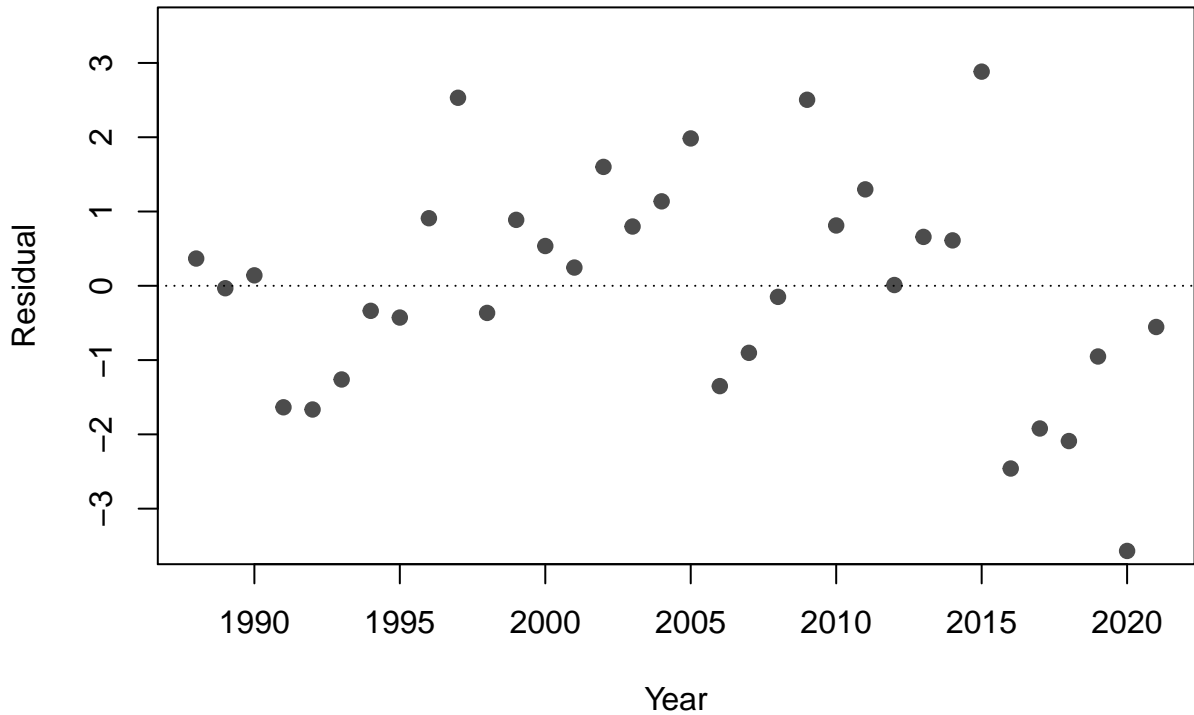


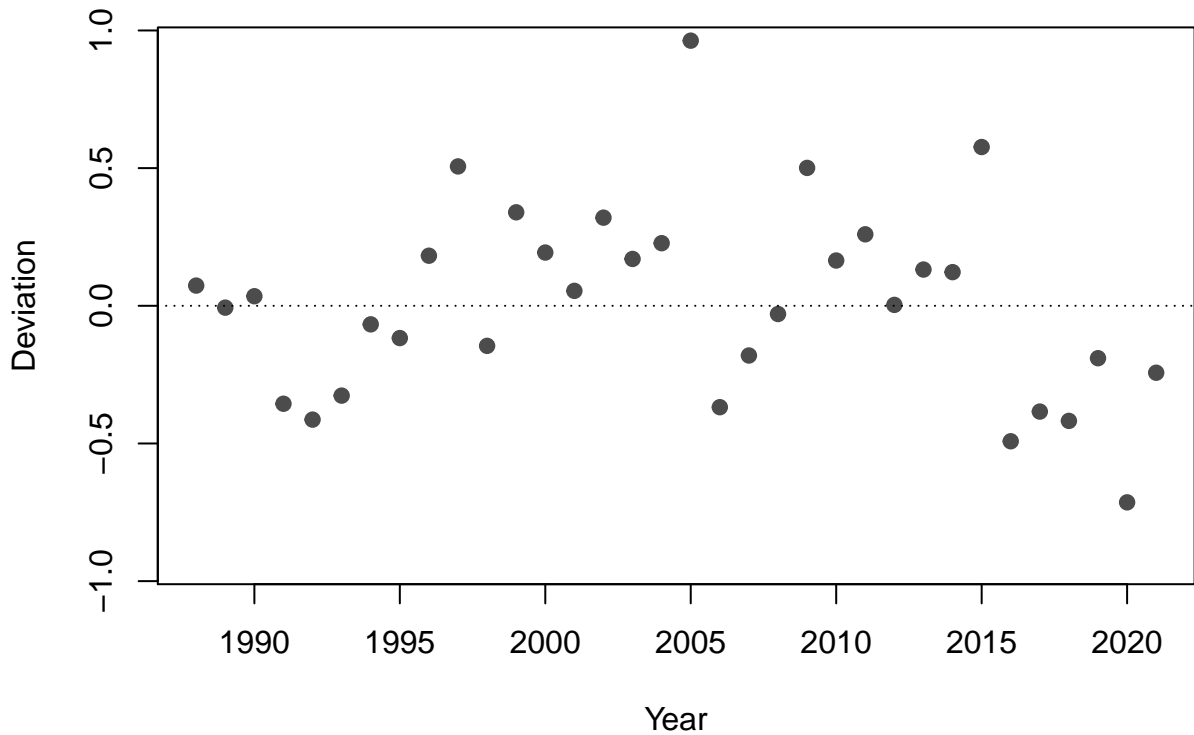
Log index



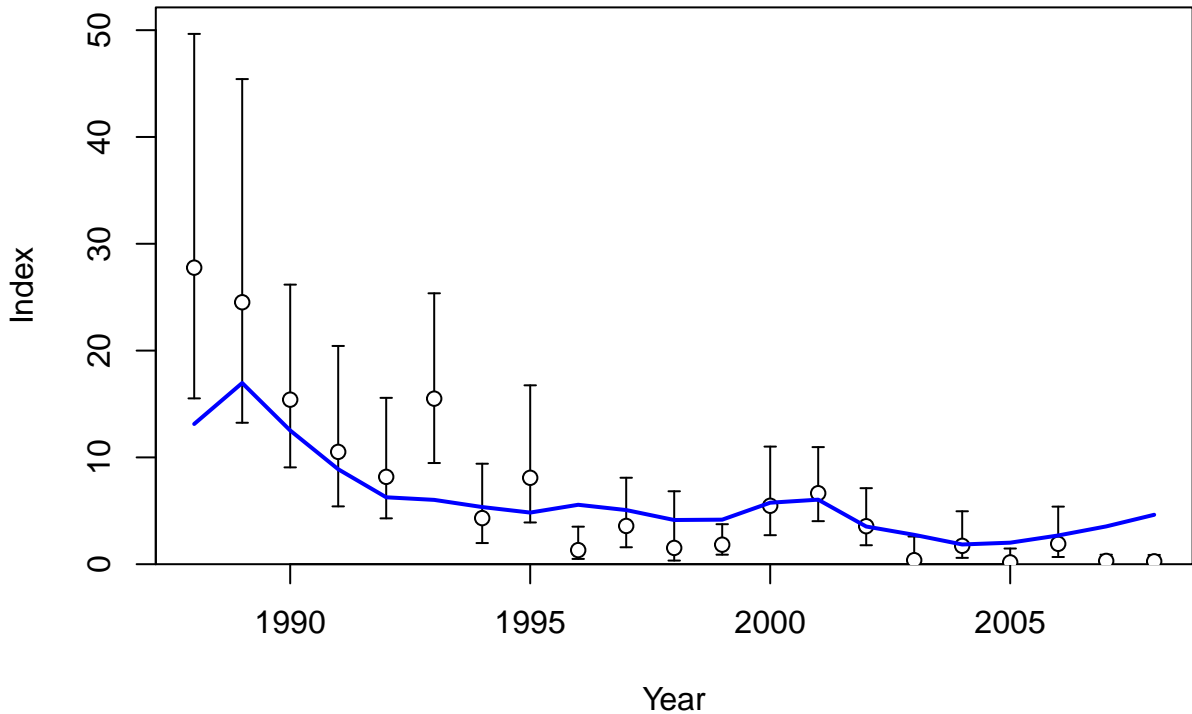


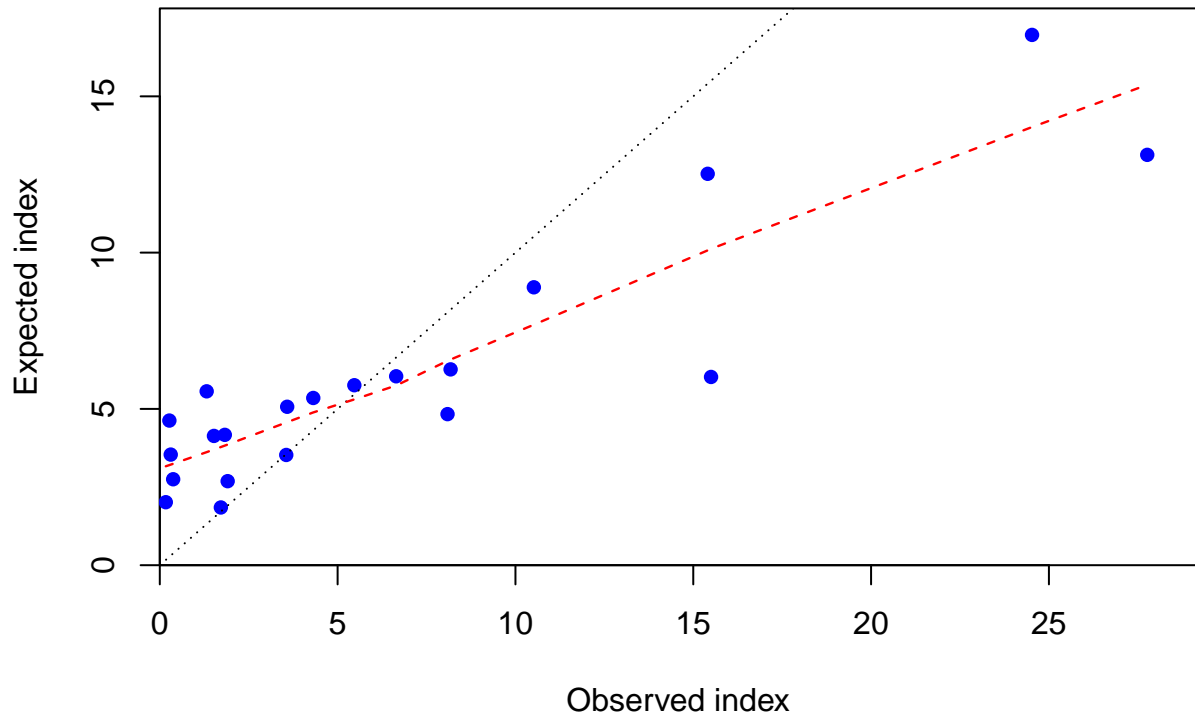


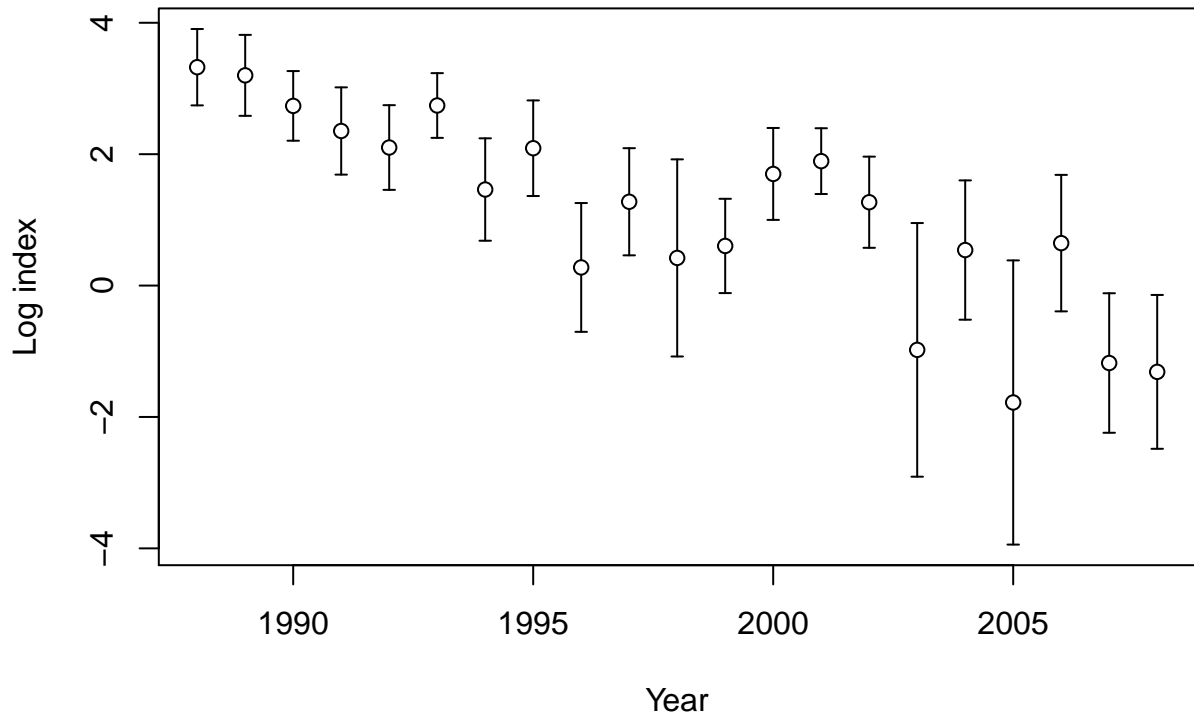


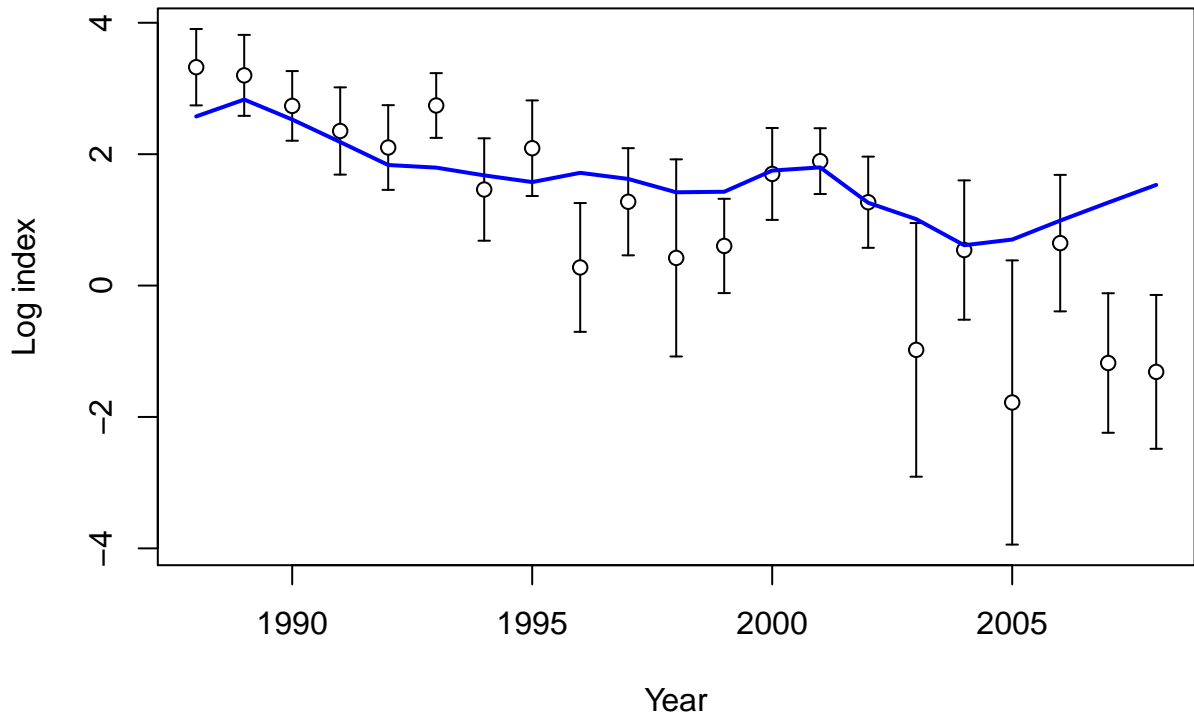


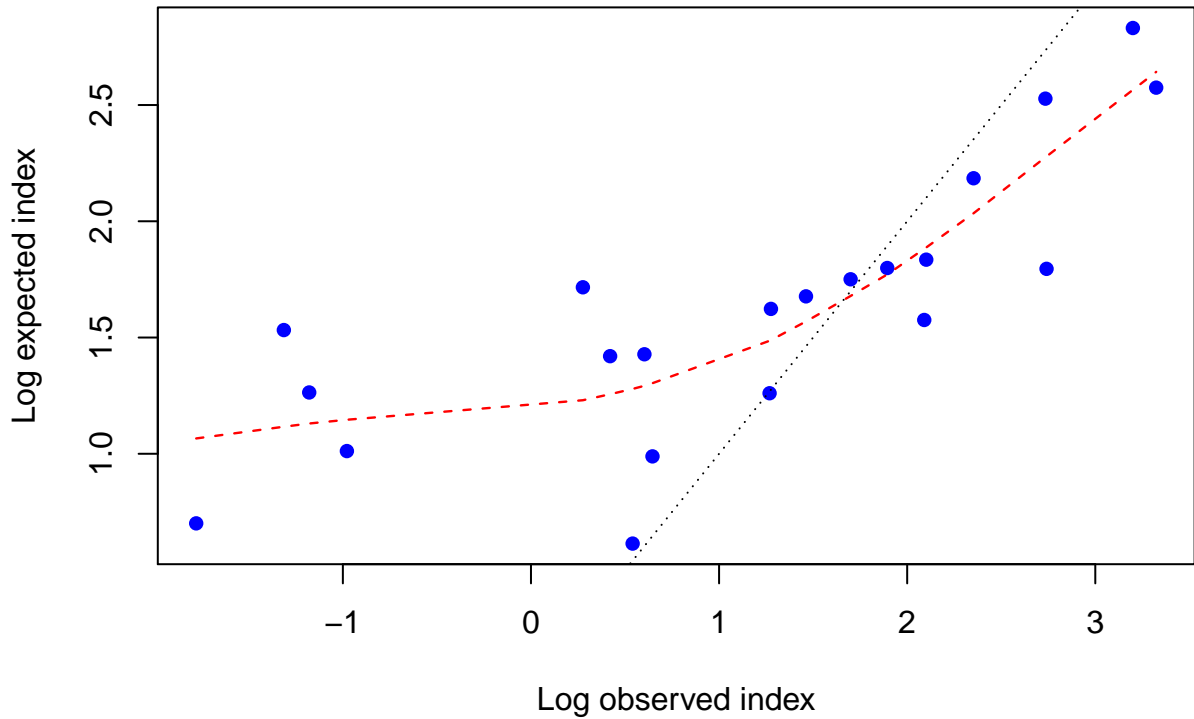


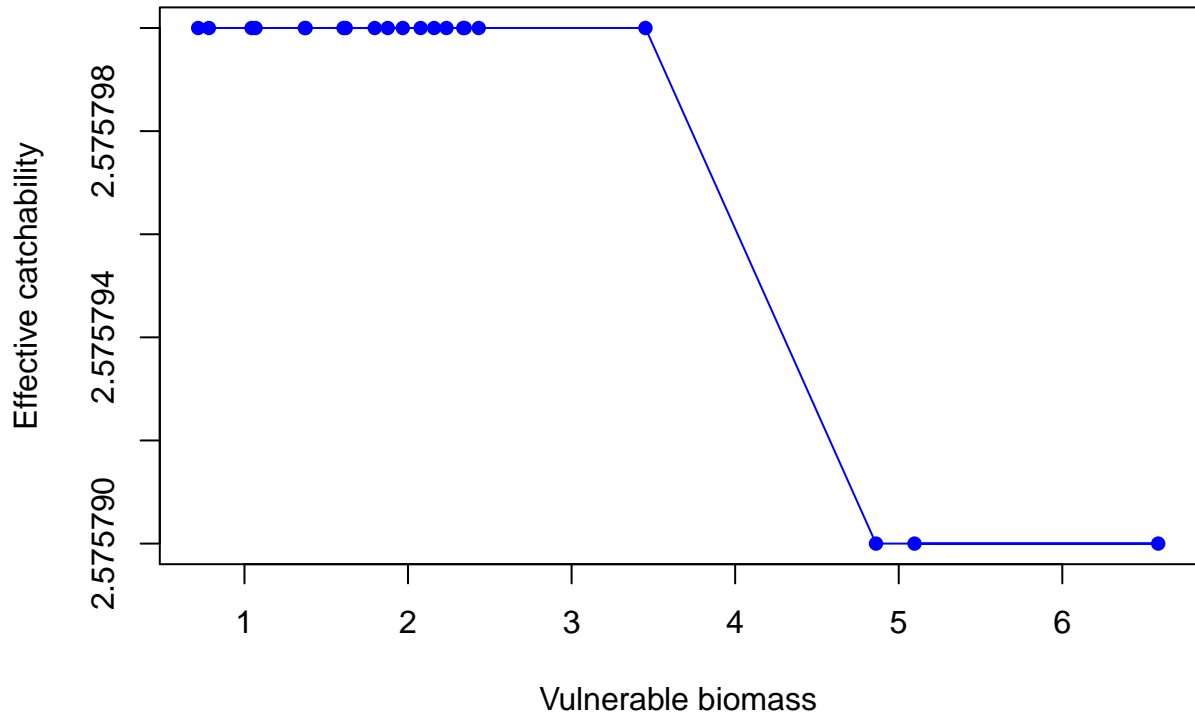


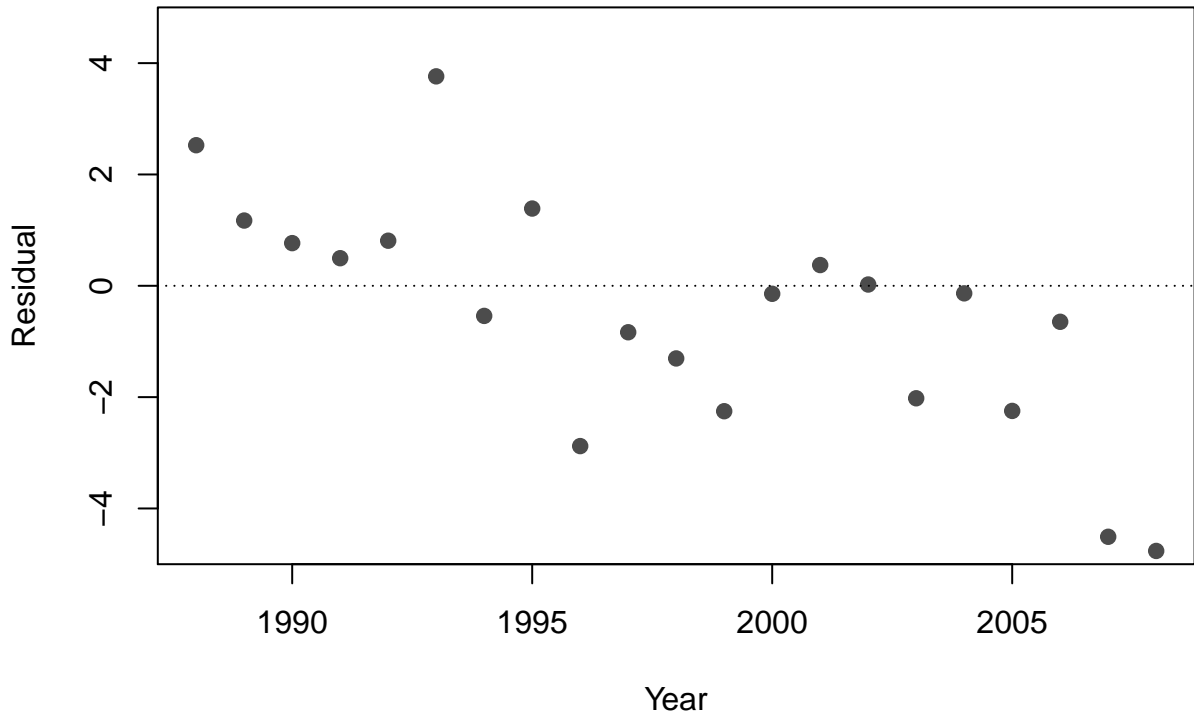


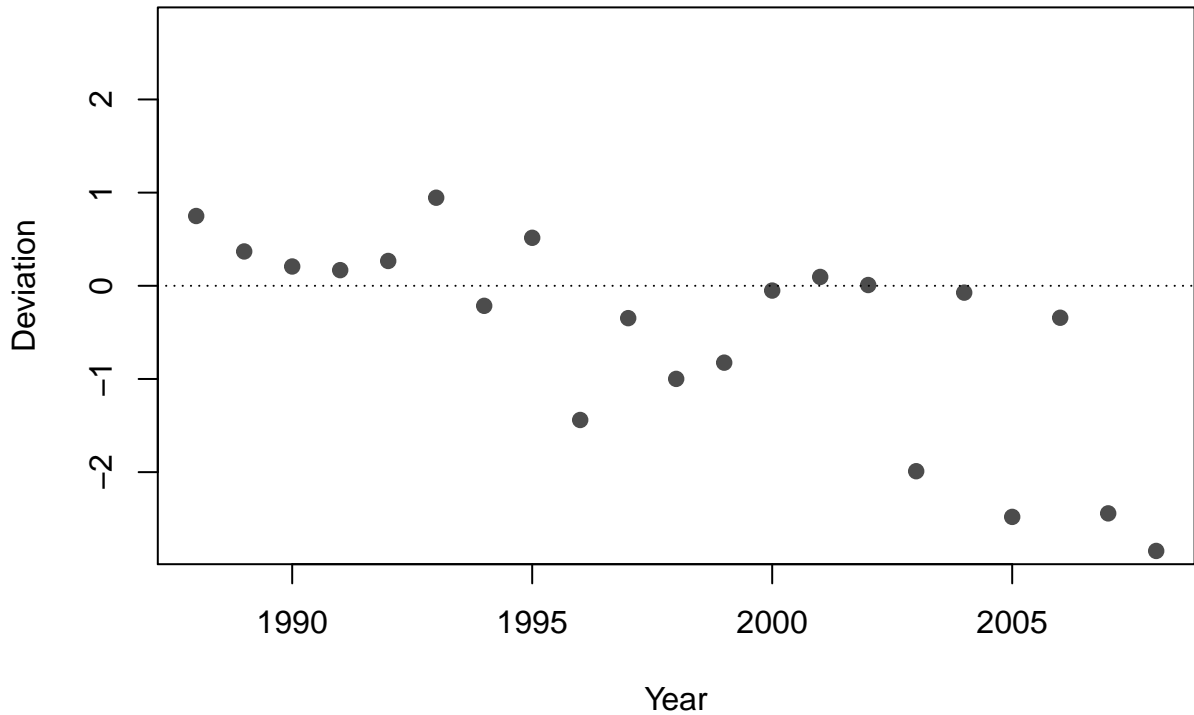






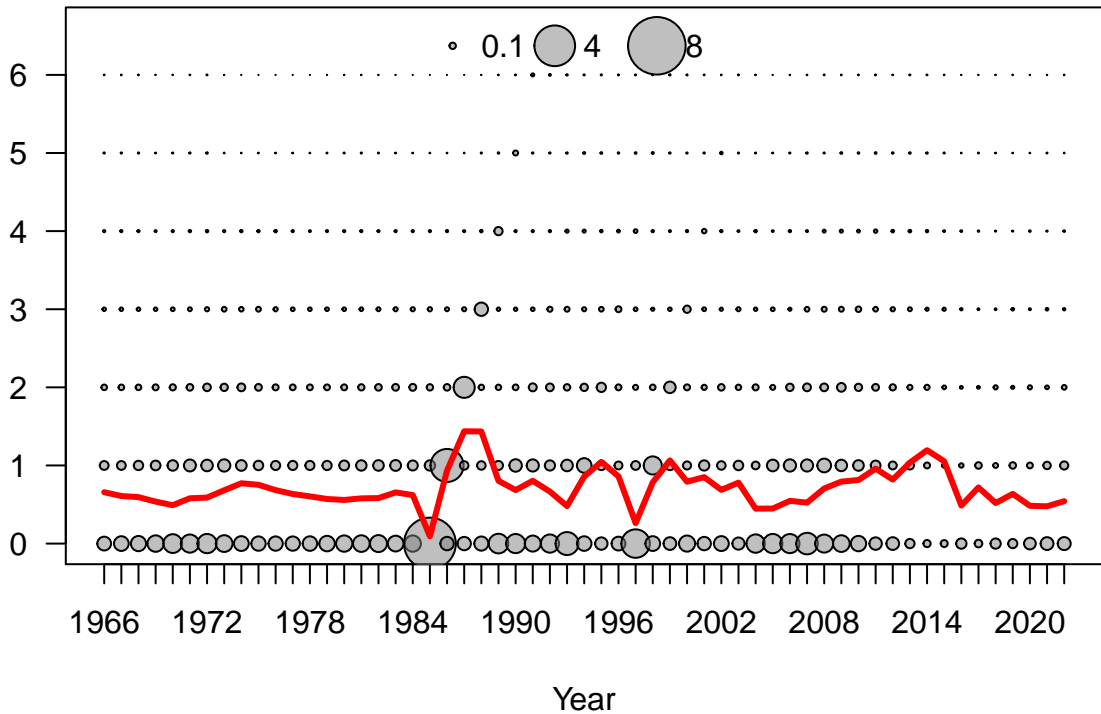




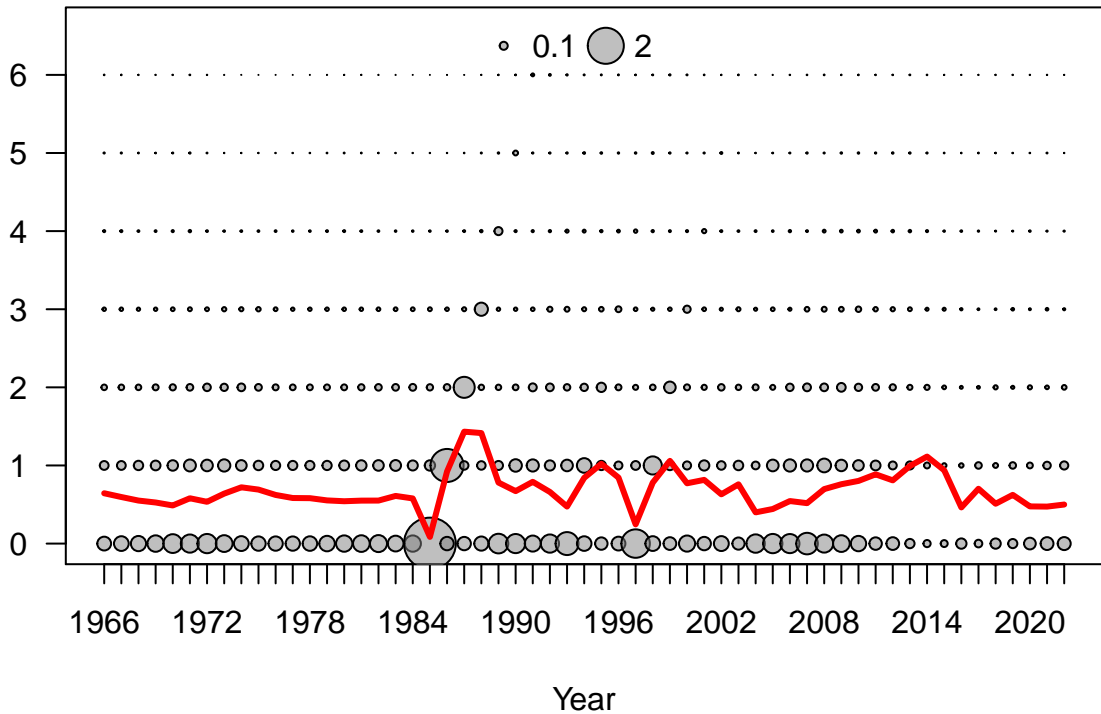


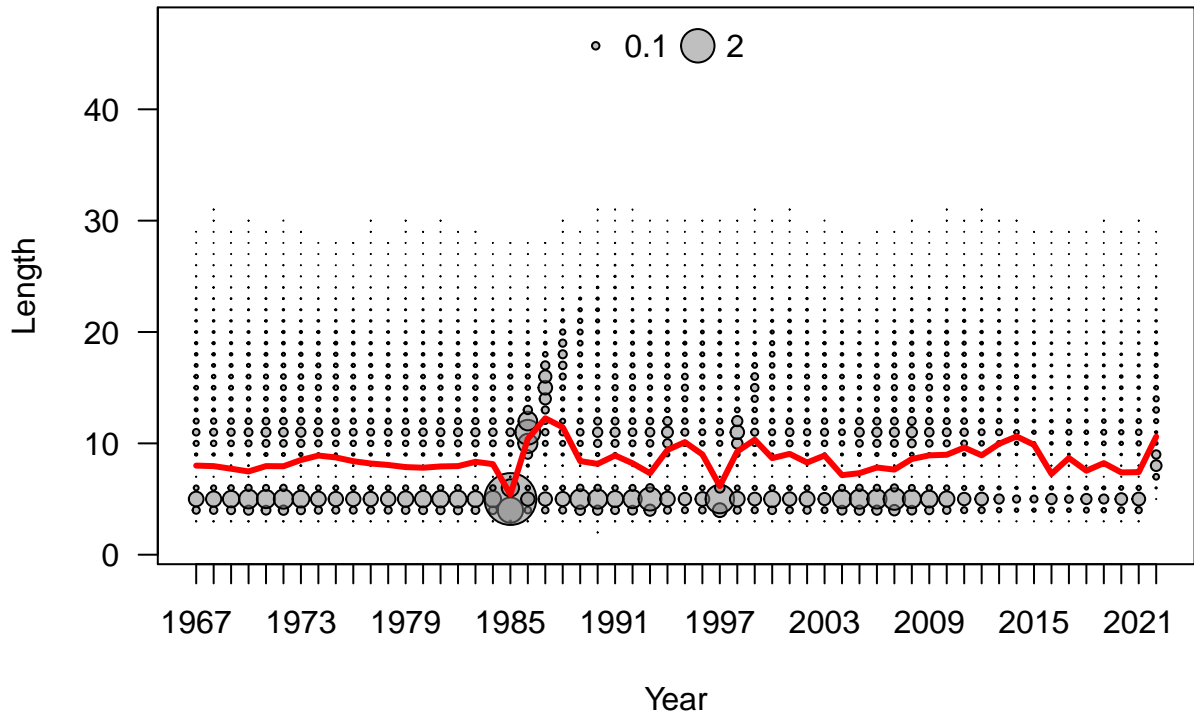


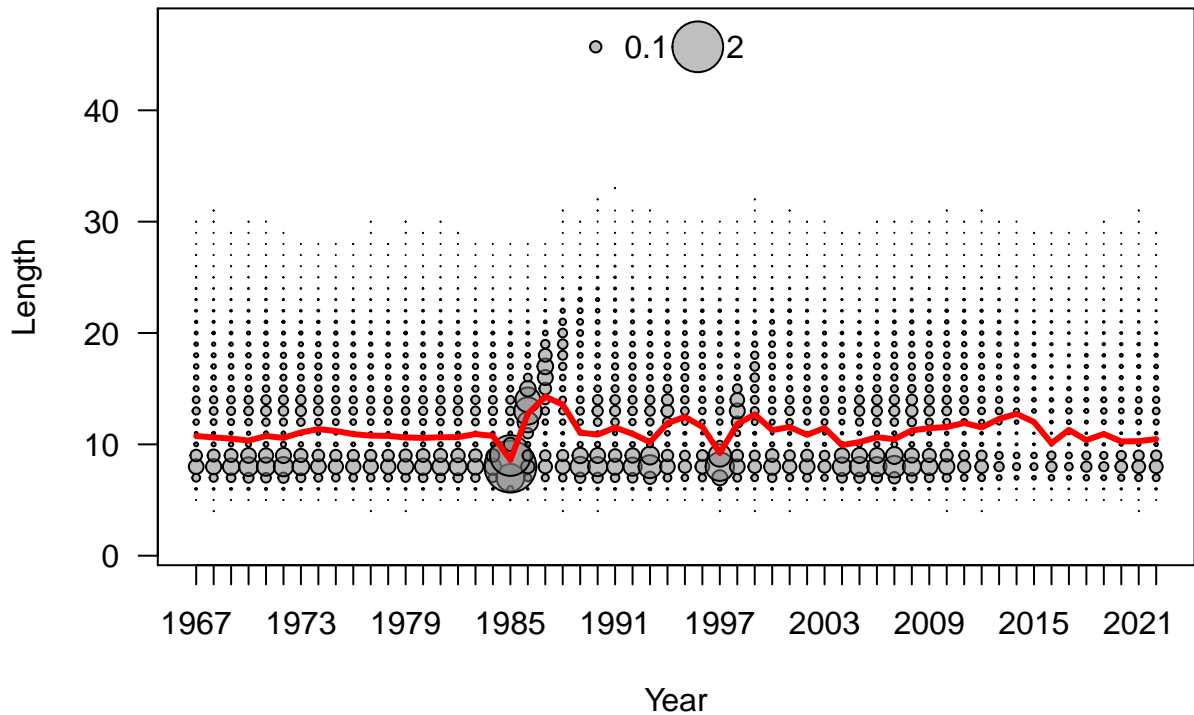
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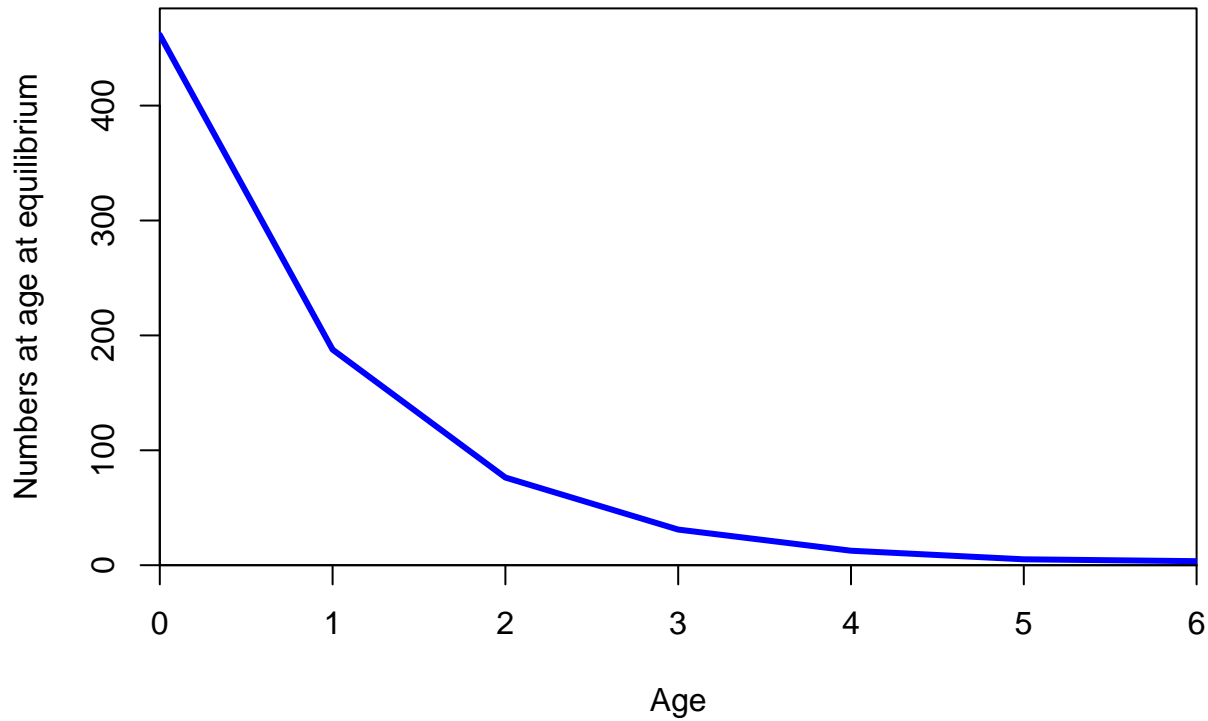


Age



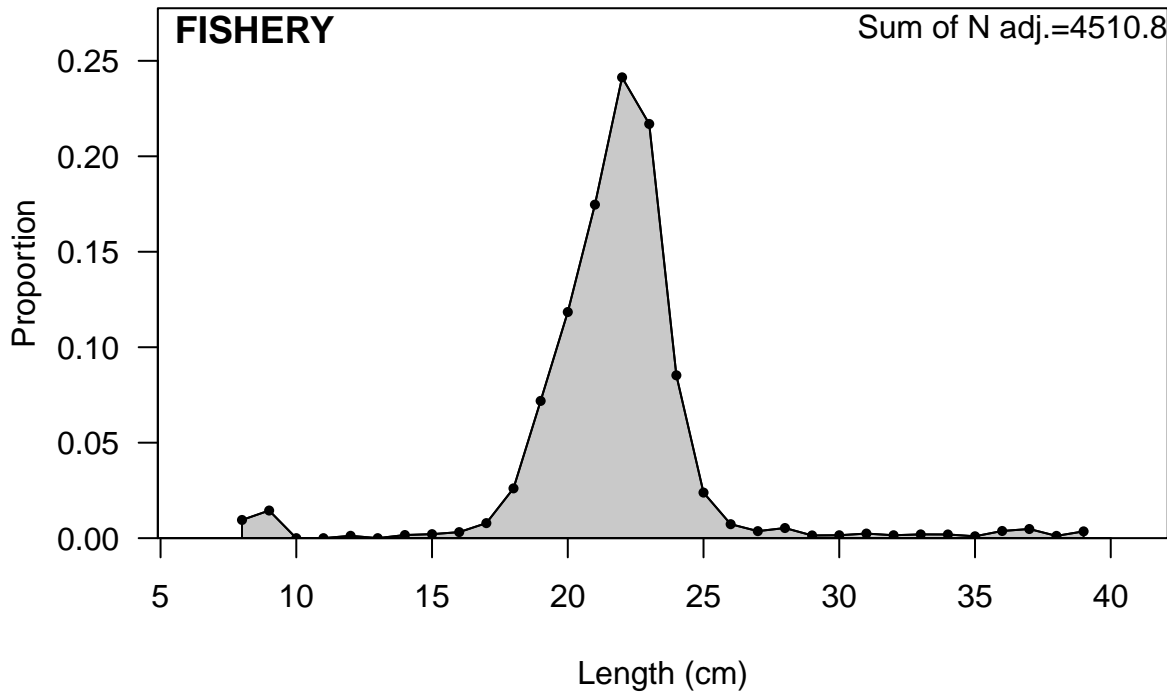


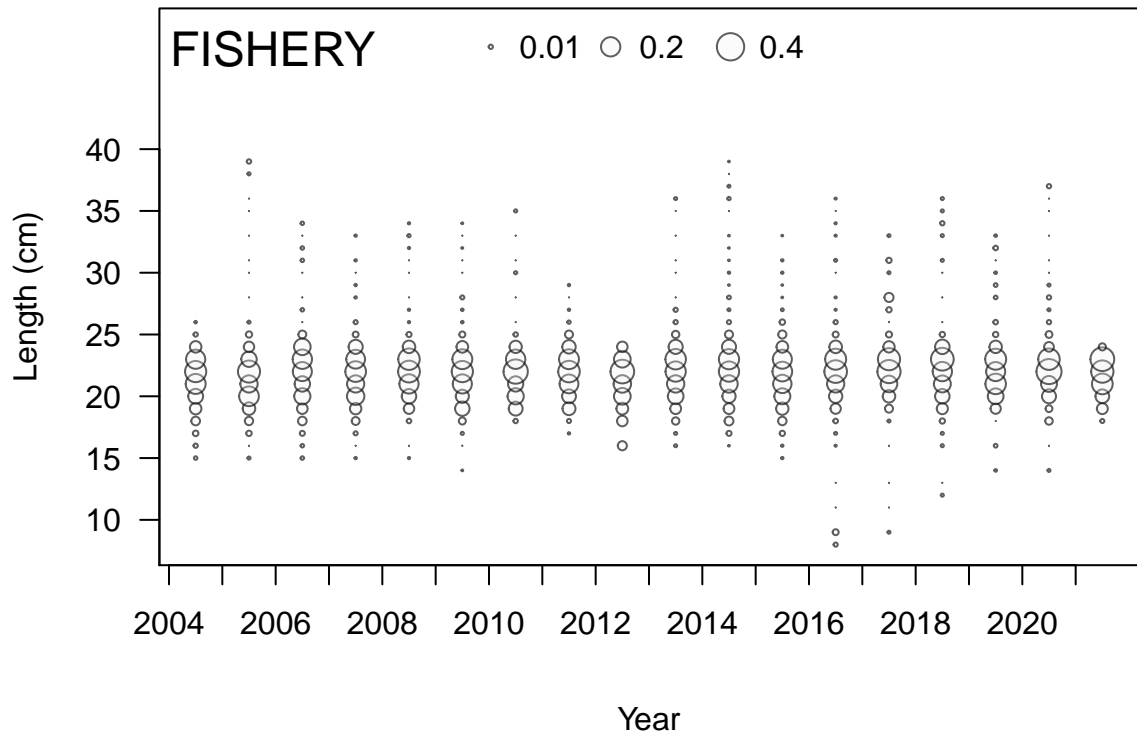


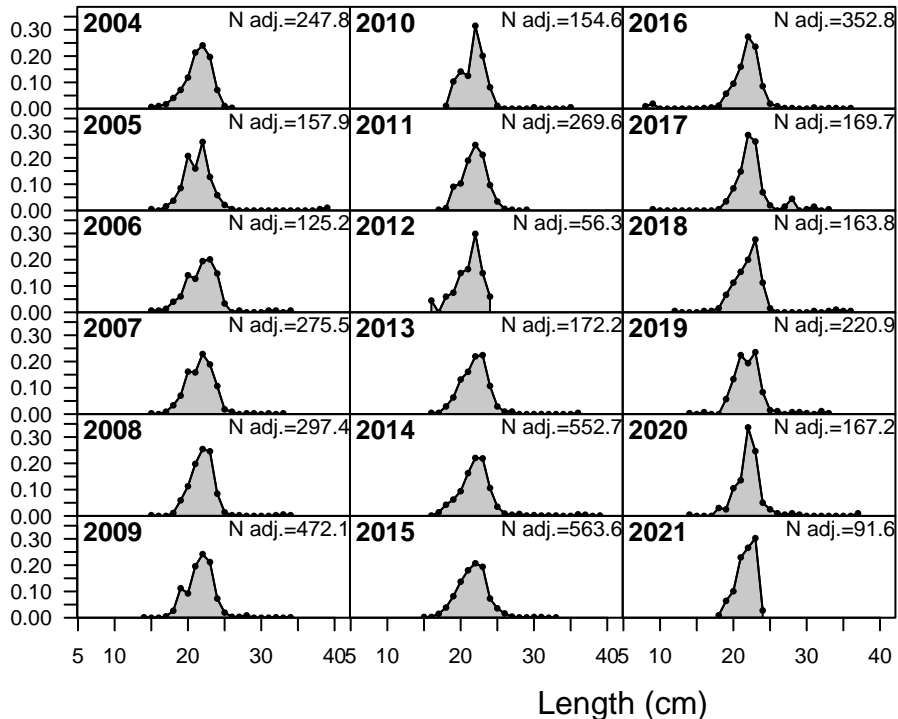


FISHERY

Sum of N adj.=4510.8

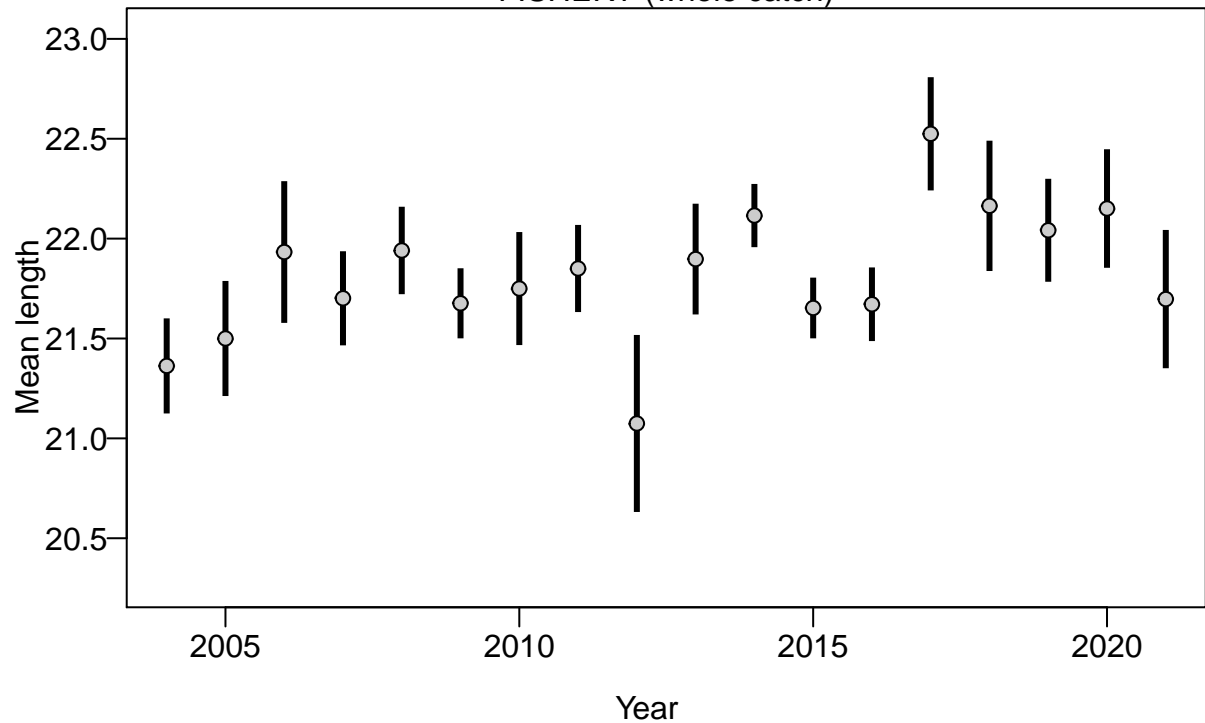






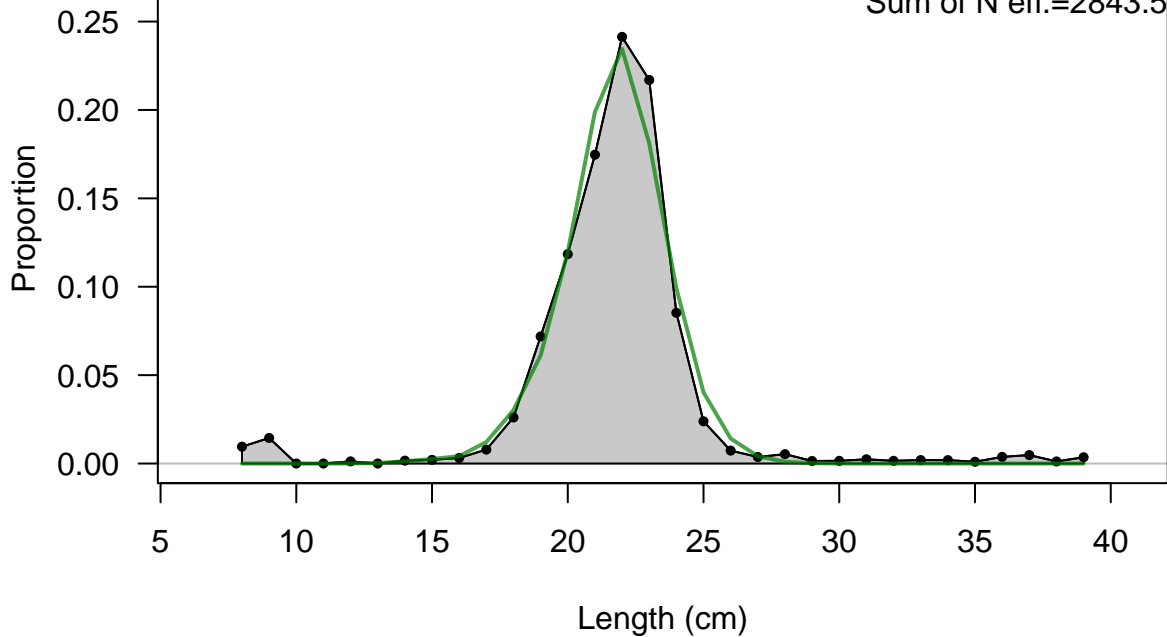


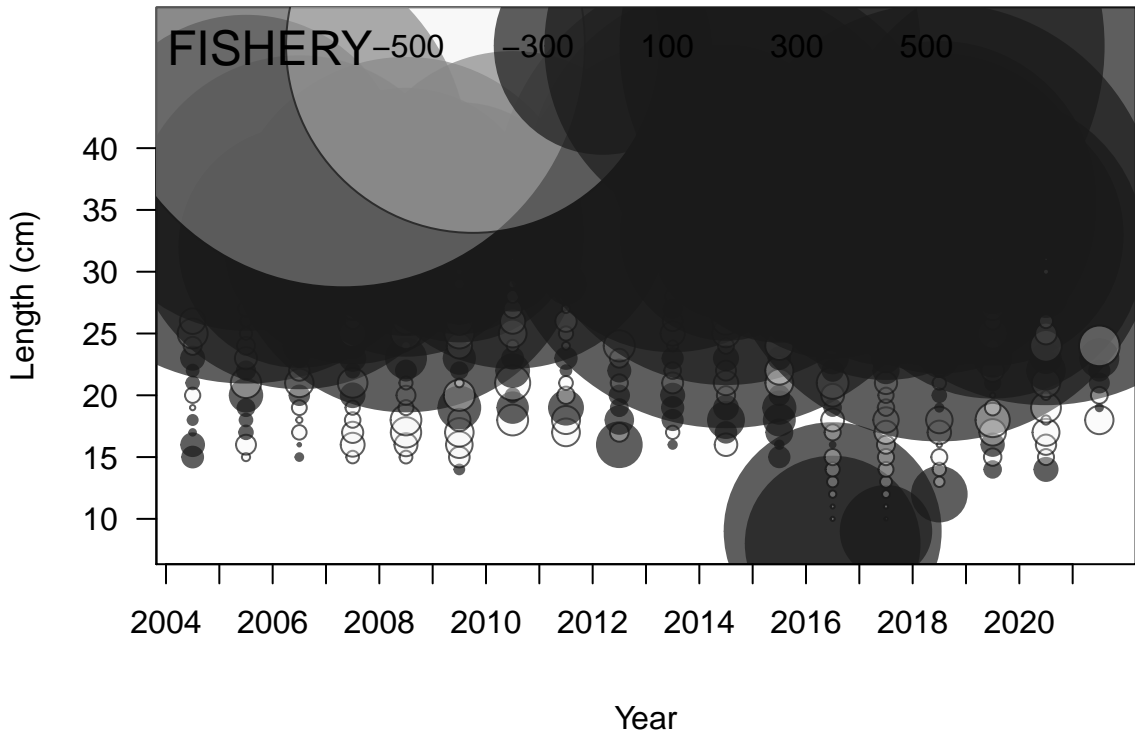
FISHERY (whole catch)

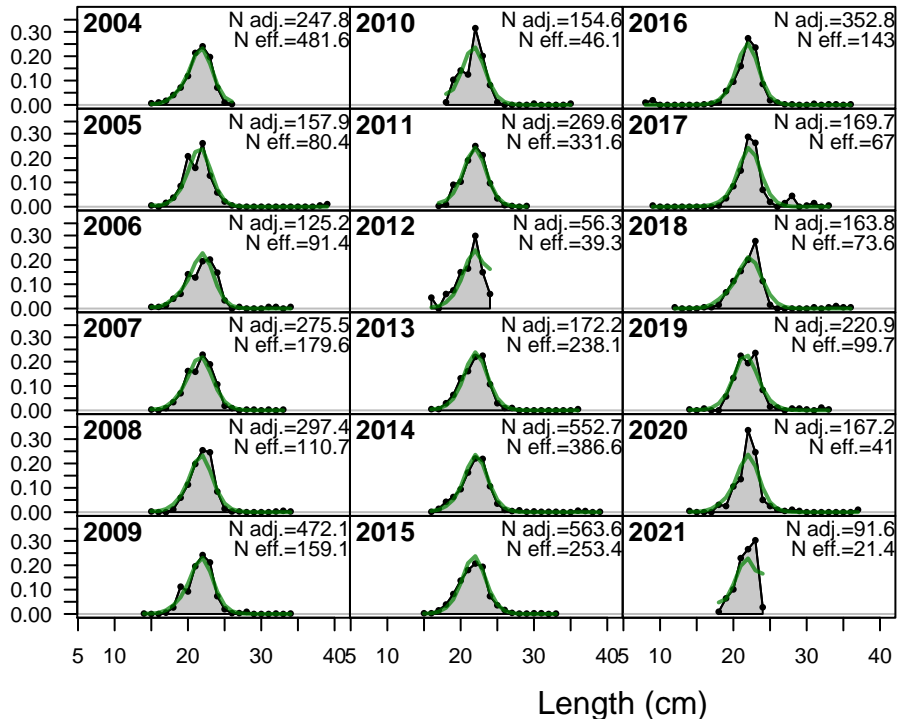


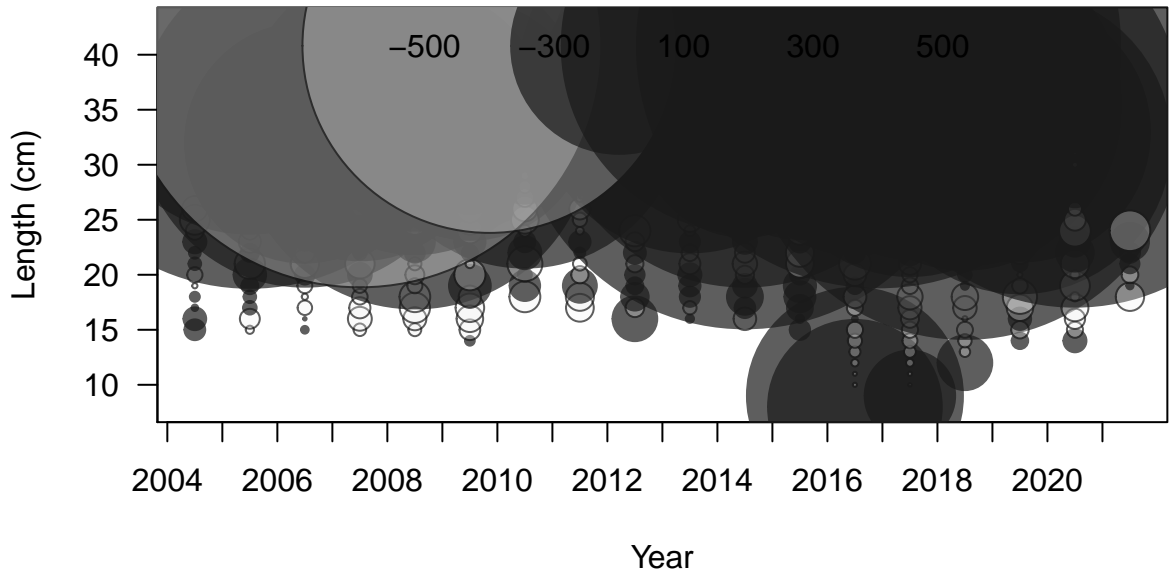
FISHERY

Sum of N adj.=4510.8
Sum of N eff.=2843.5

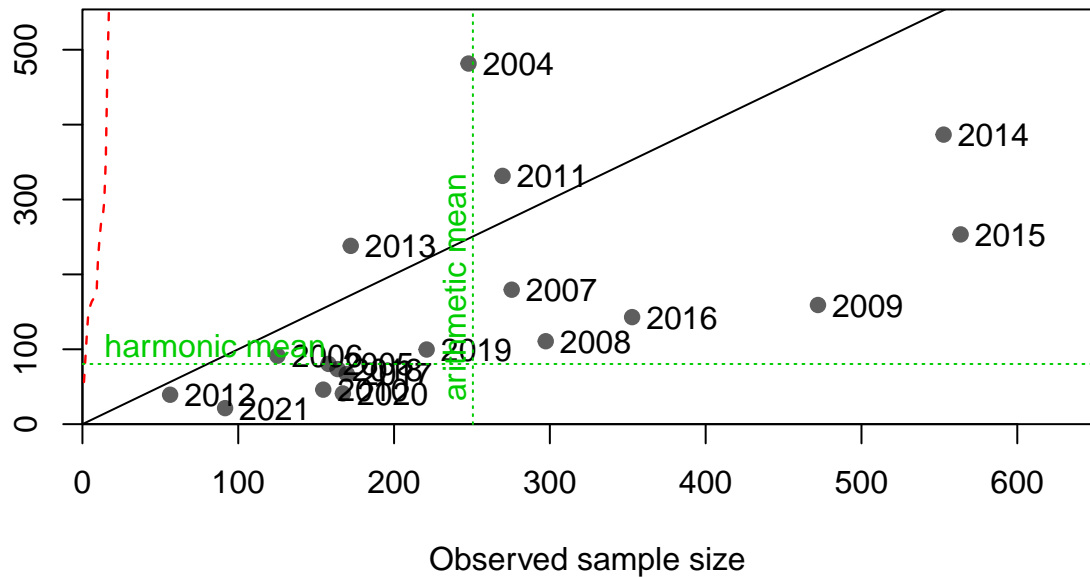




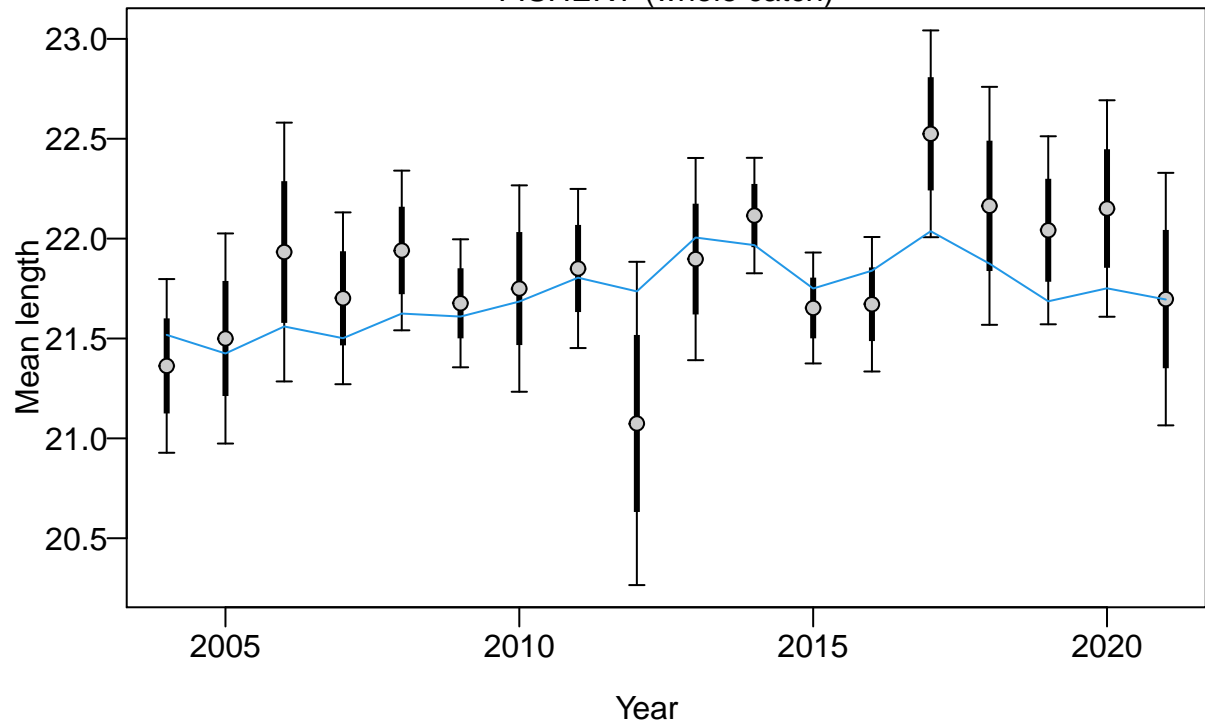


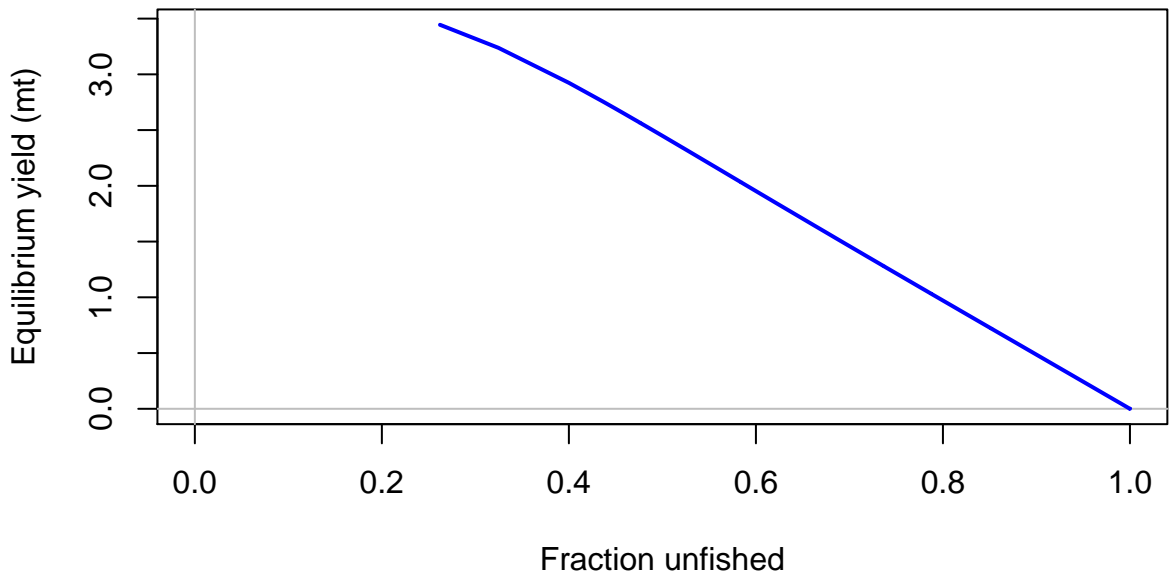


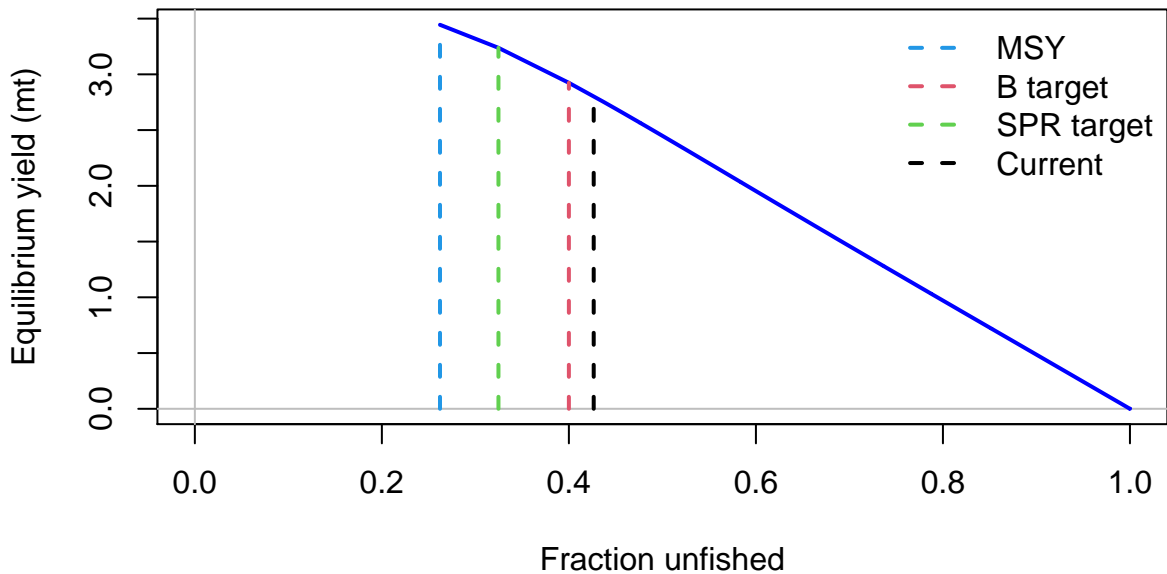
Effective sample size

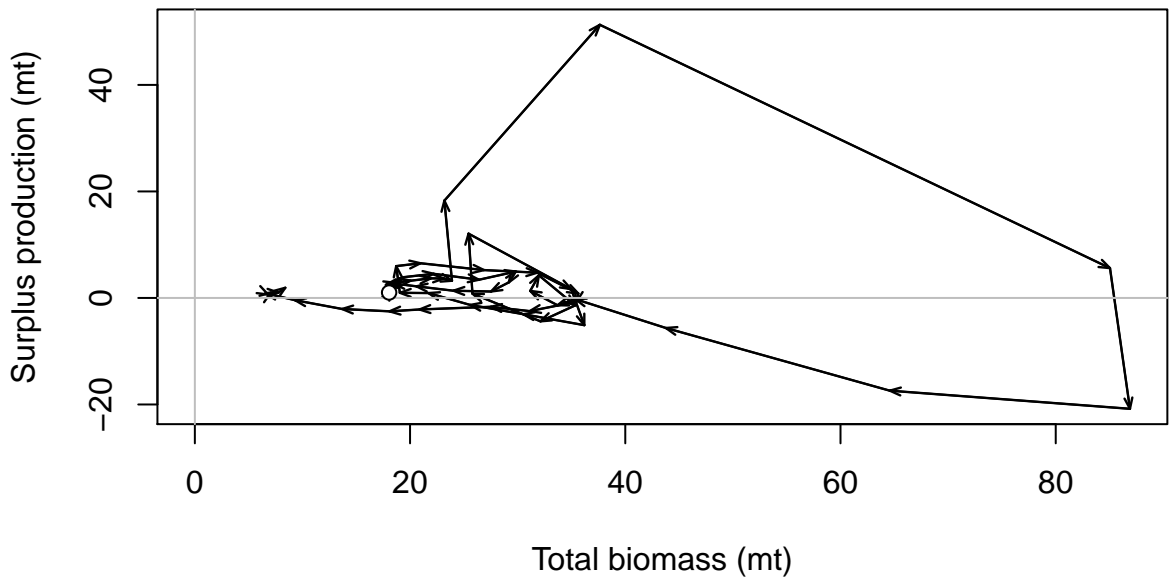


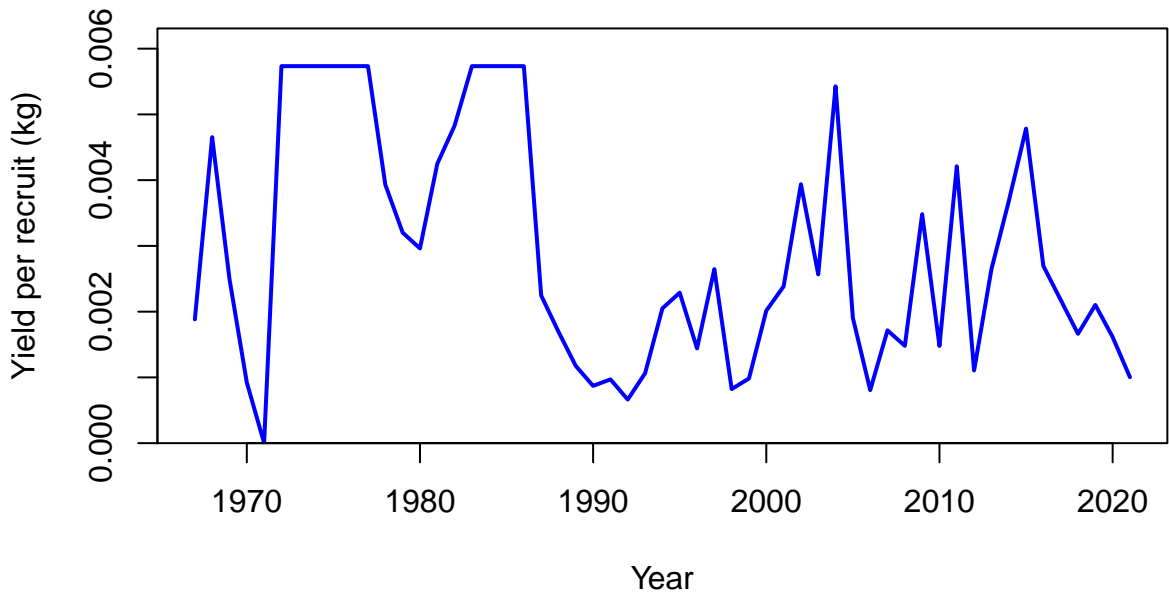
FISHERY (whole catch)

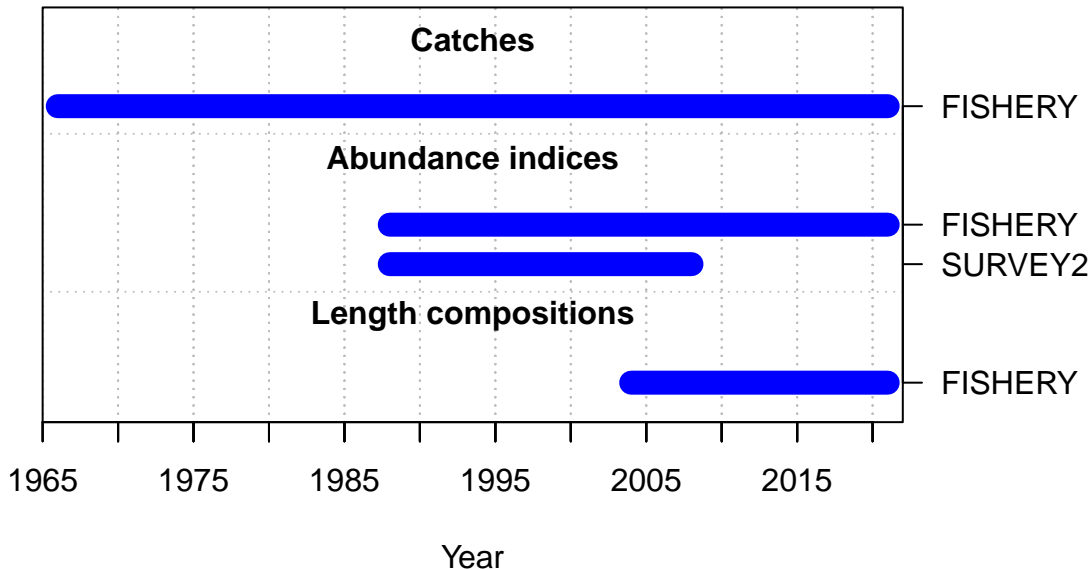


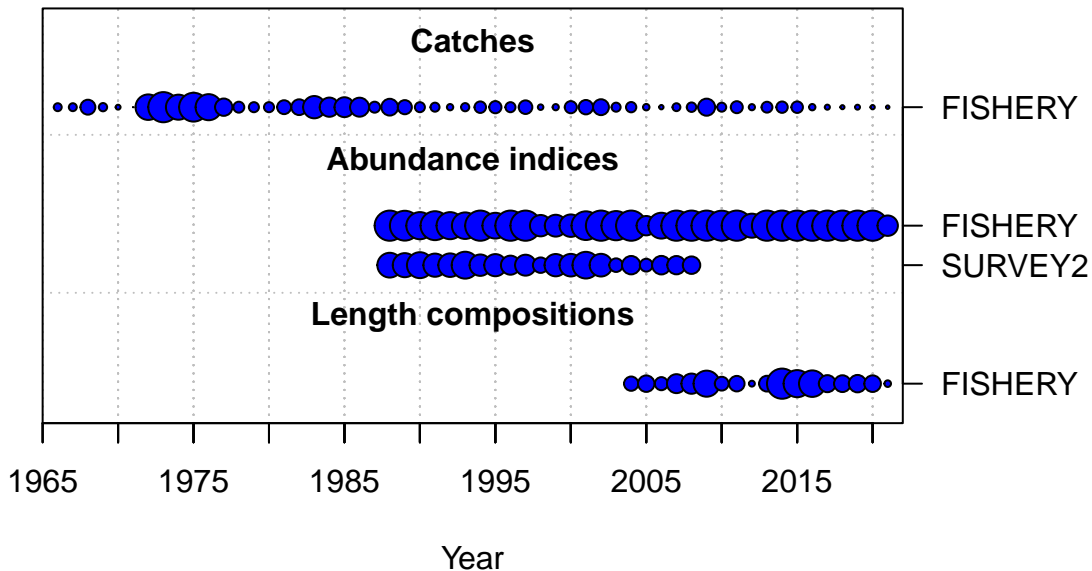








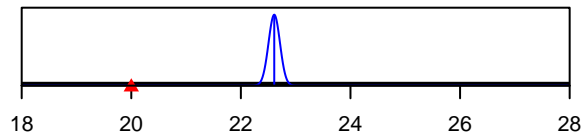




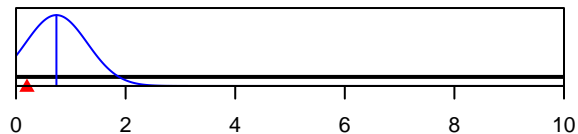
SR_LN(R0)



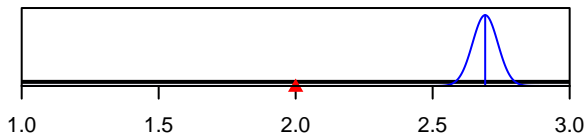
Size_inflection_FISHERY(1)



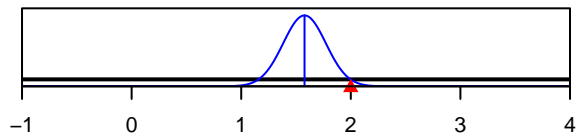
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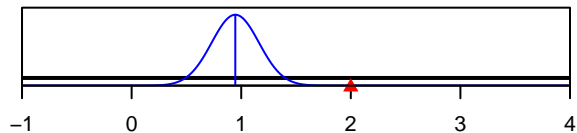
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value