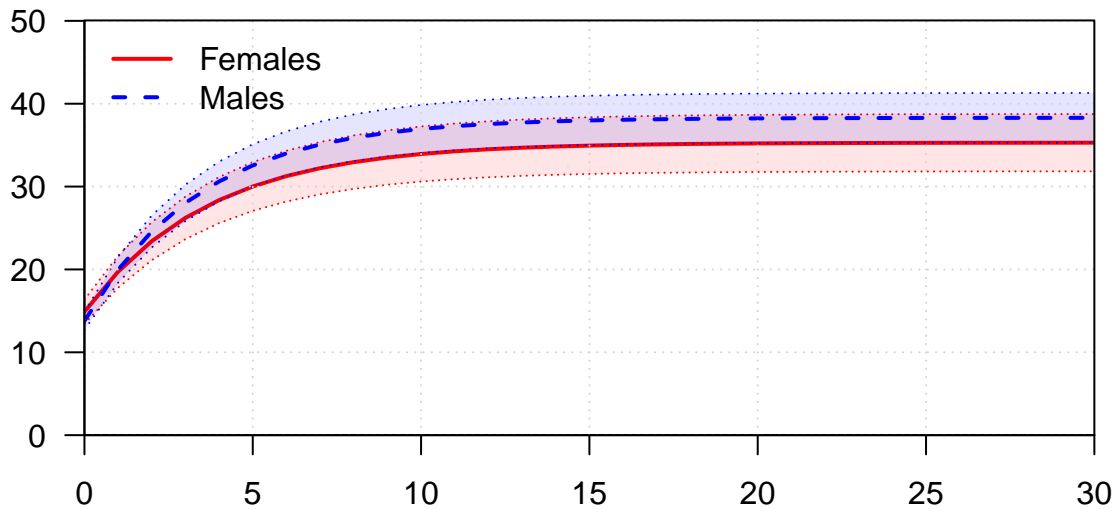
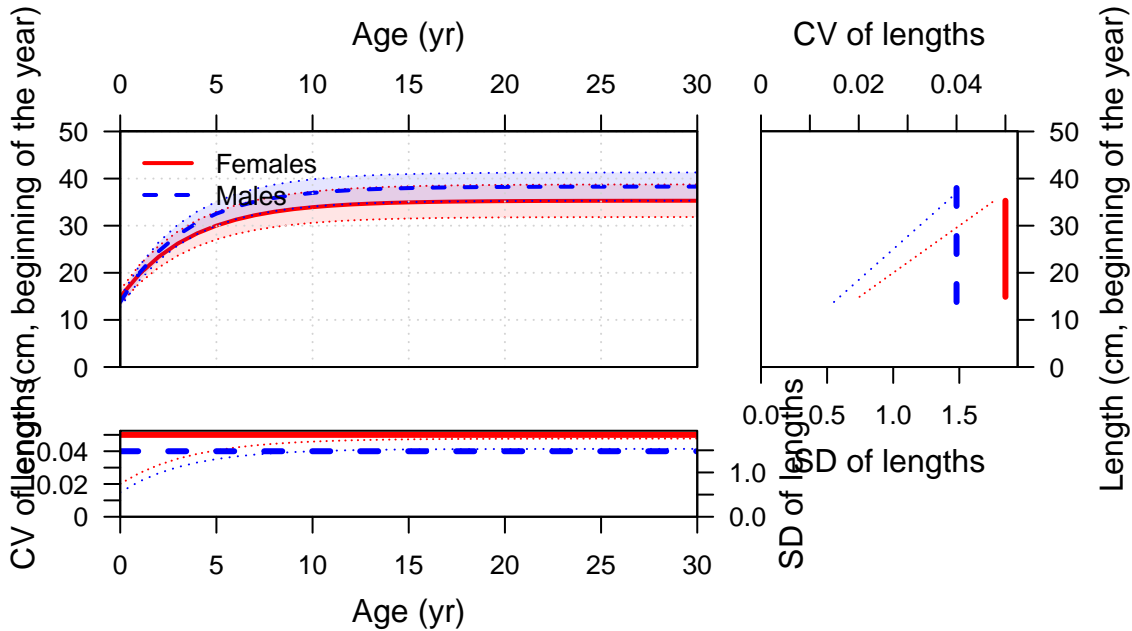


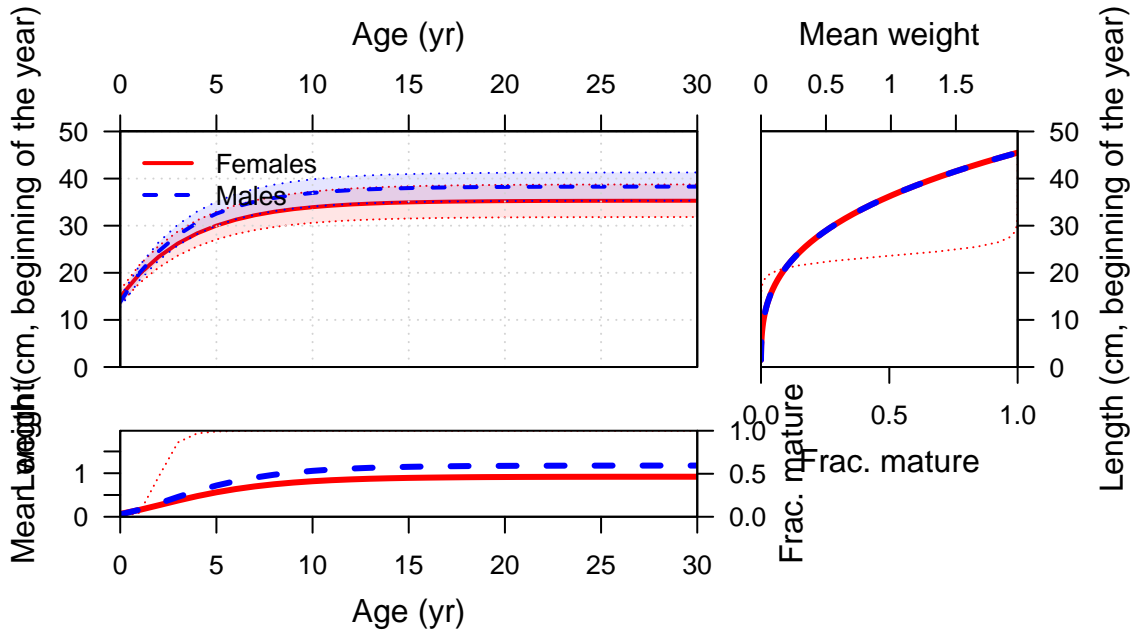
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Jul 19 16:18:14 2022
Data_File: data.ss
Control_File: control.ss

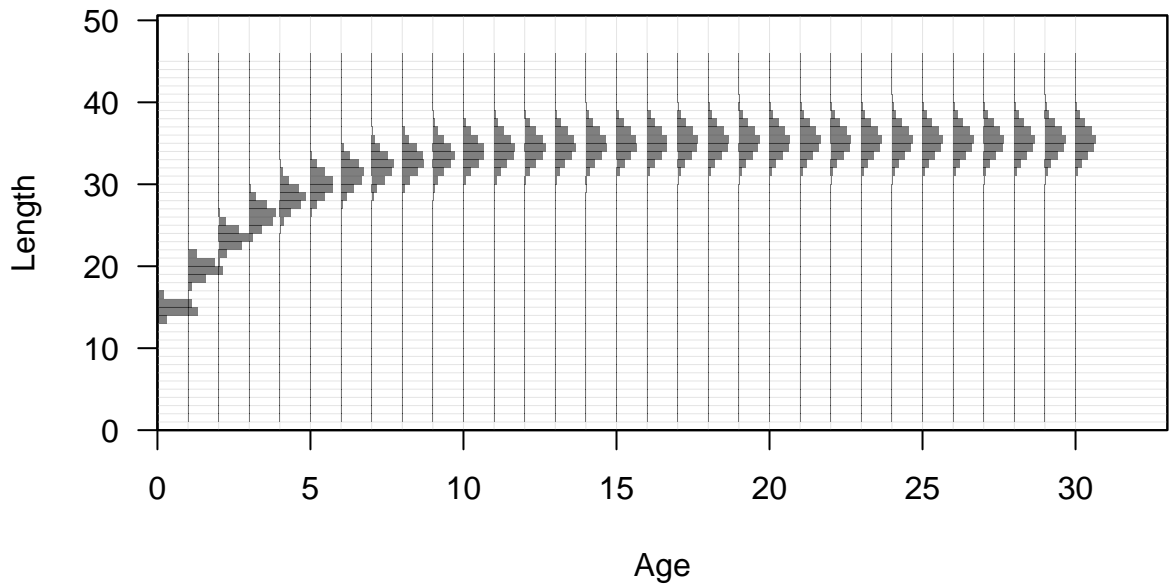
Length (cm, beginning of the year)

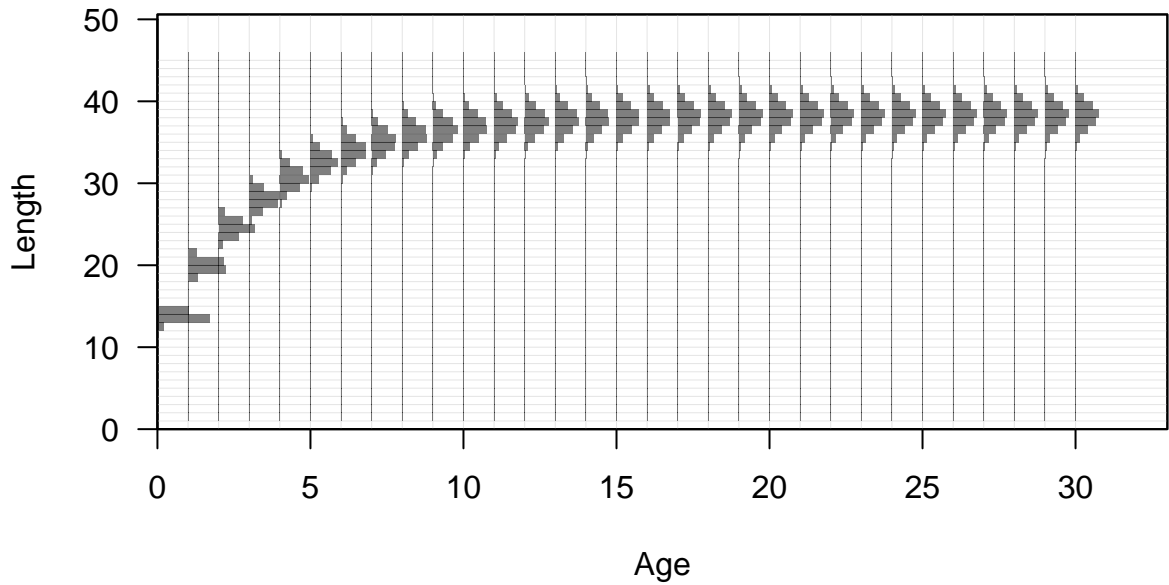


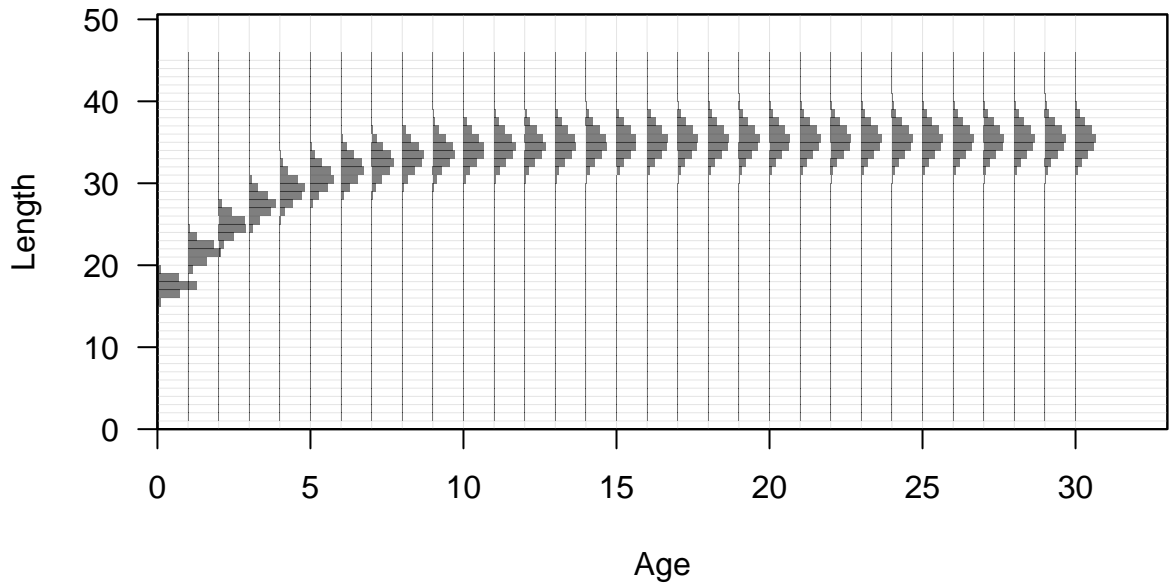
Age (yr)

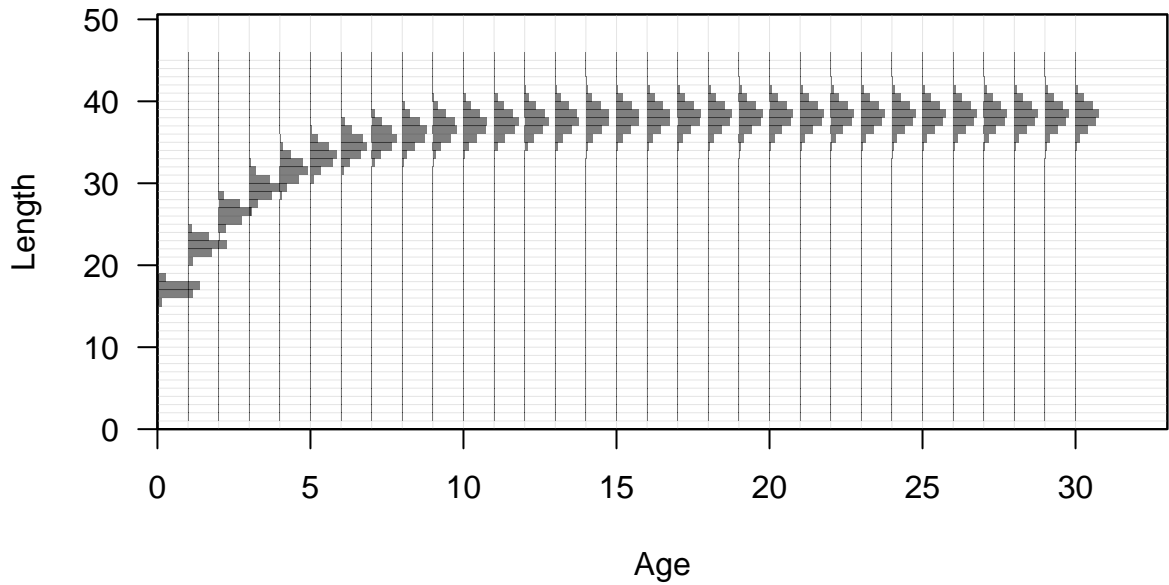


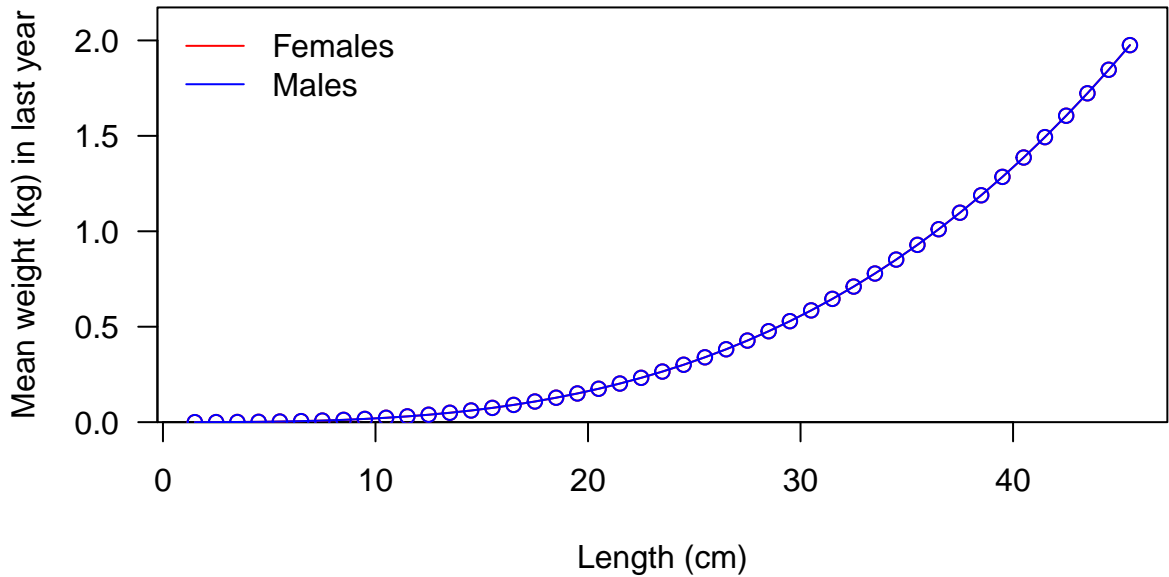


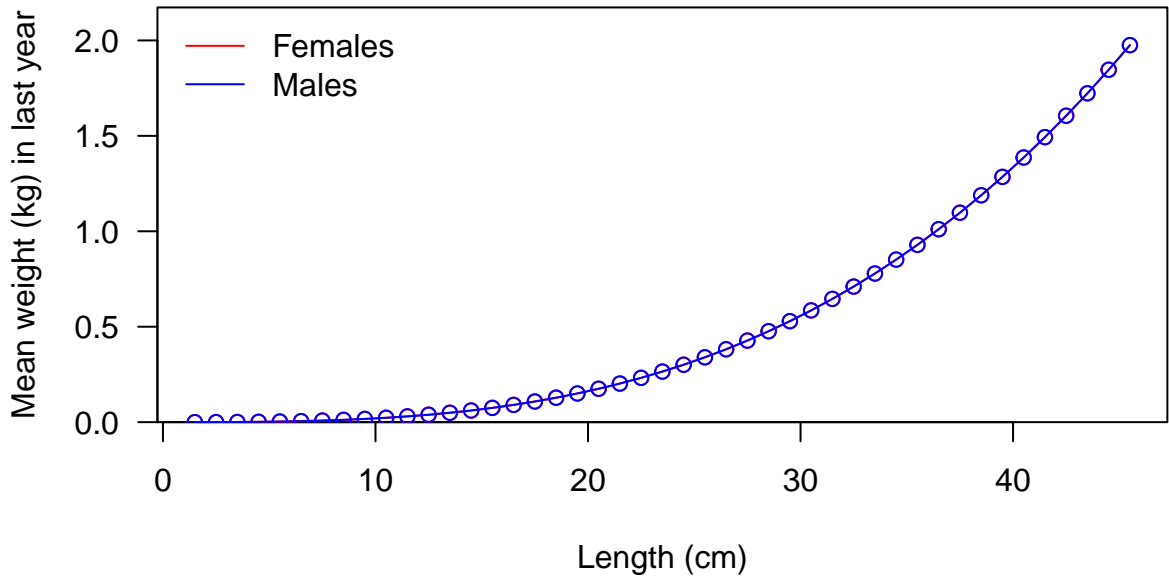


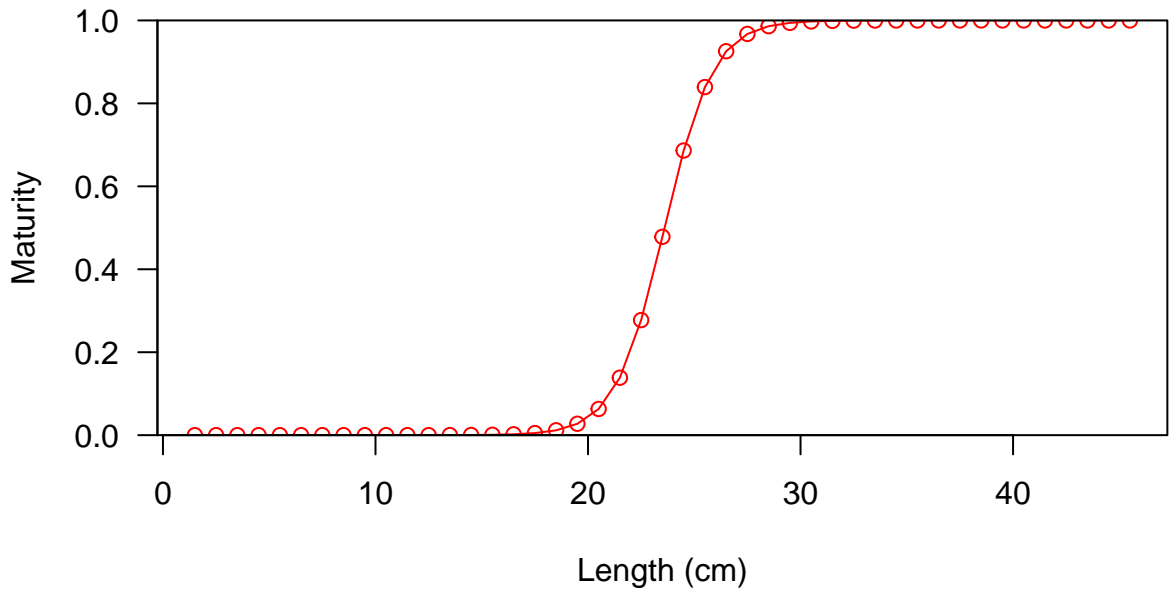


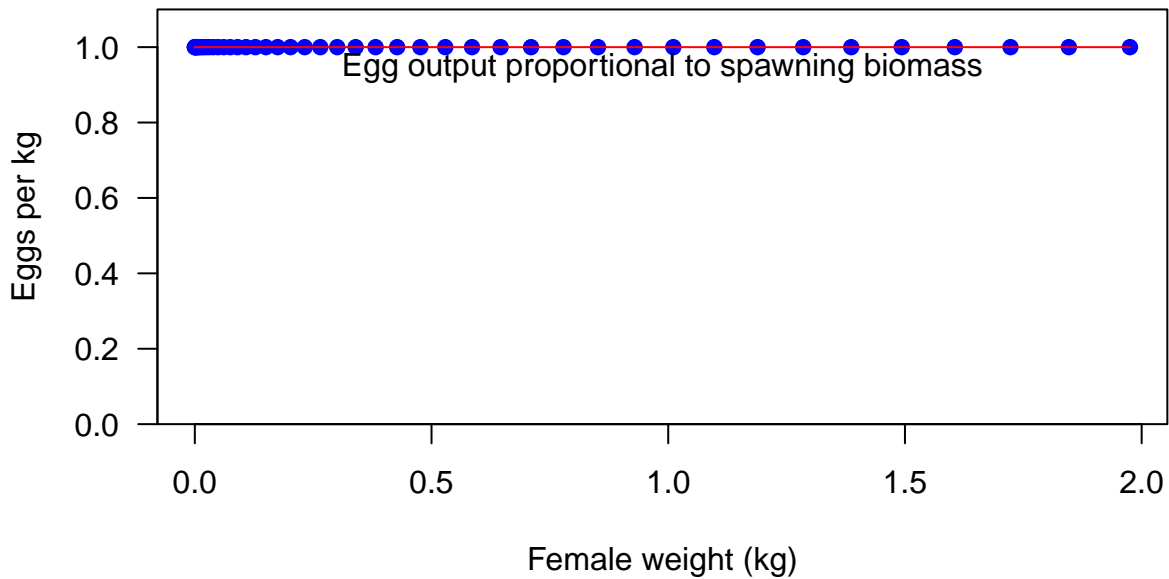


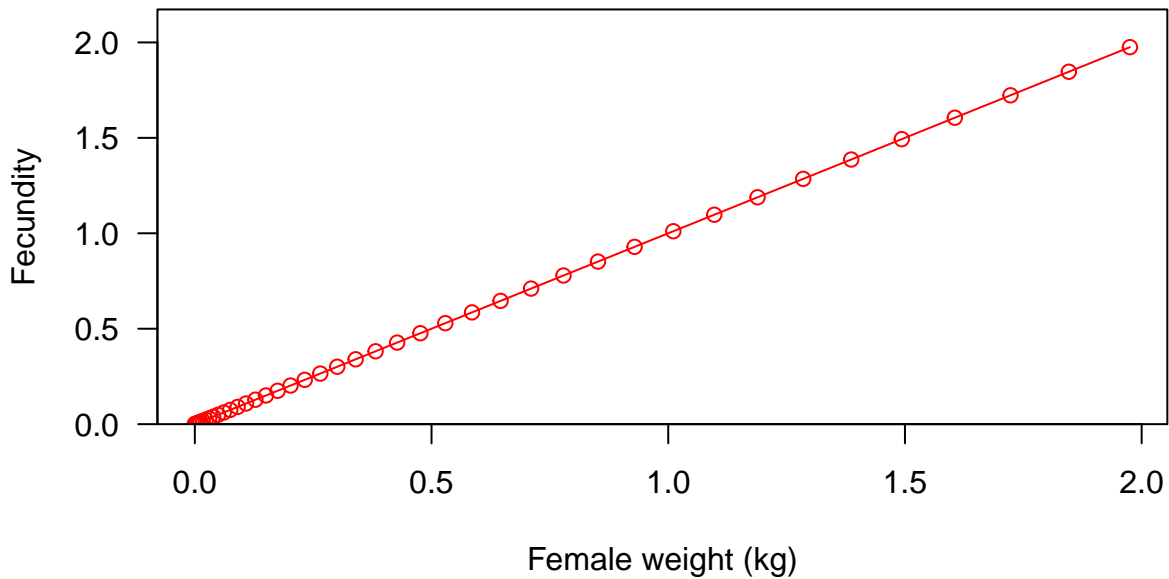


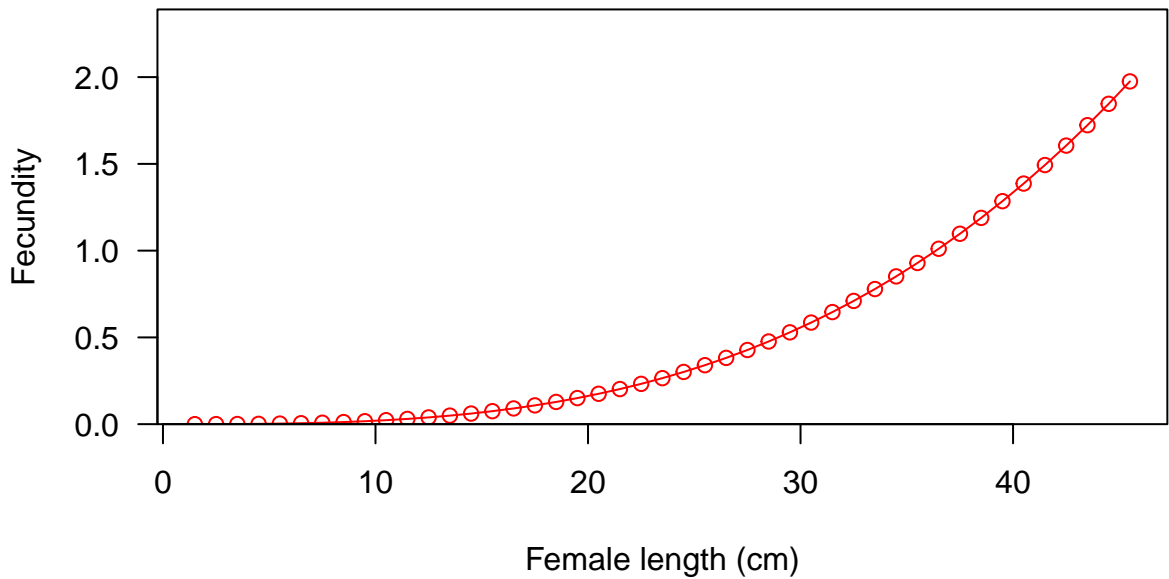


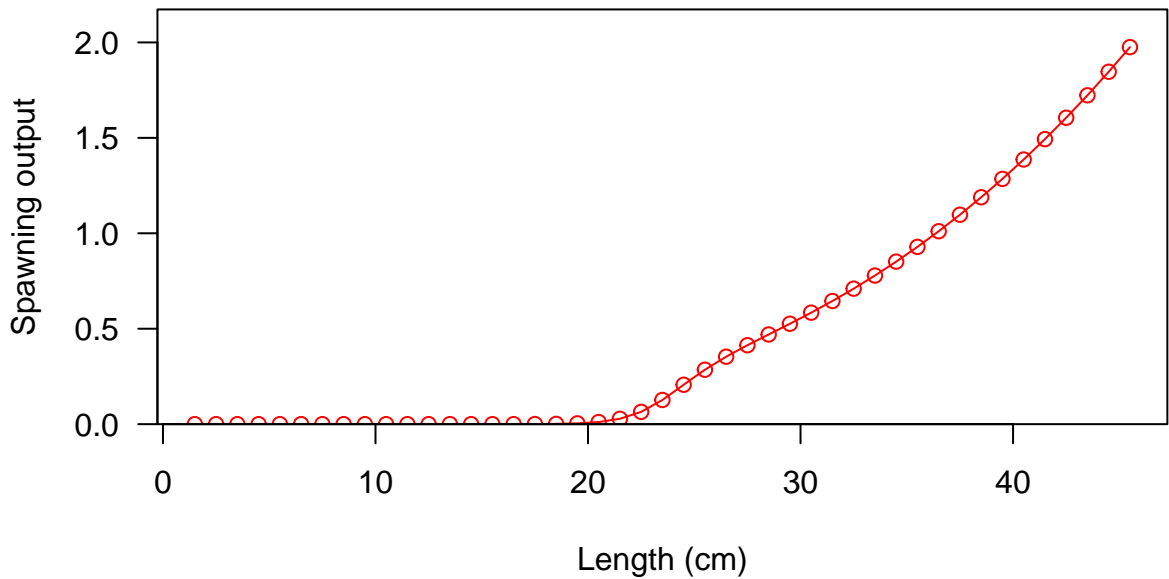


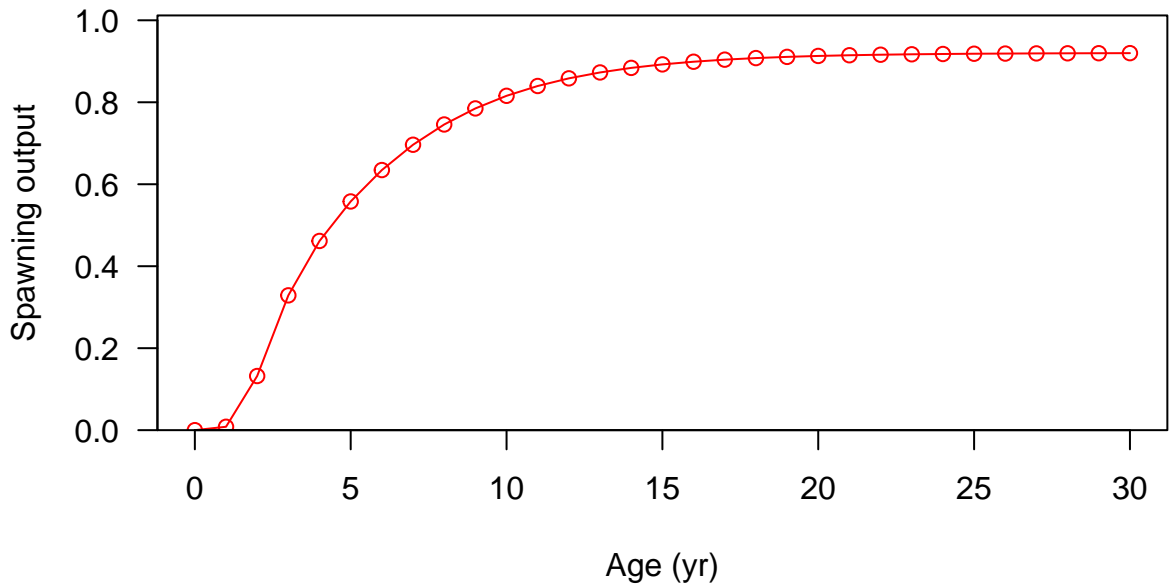




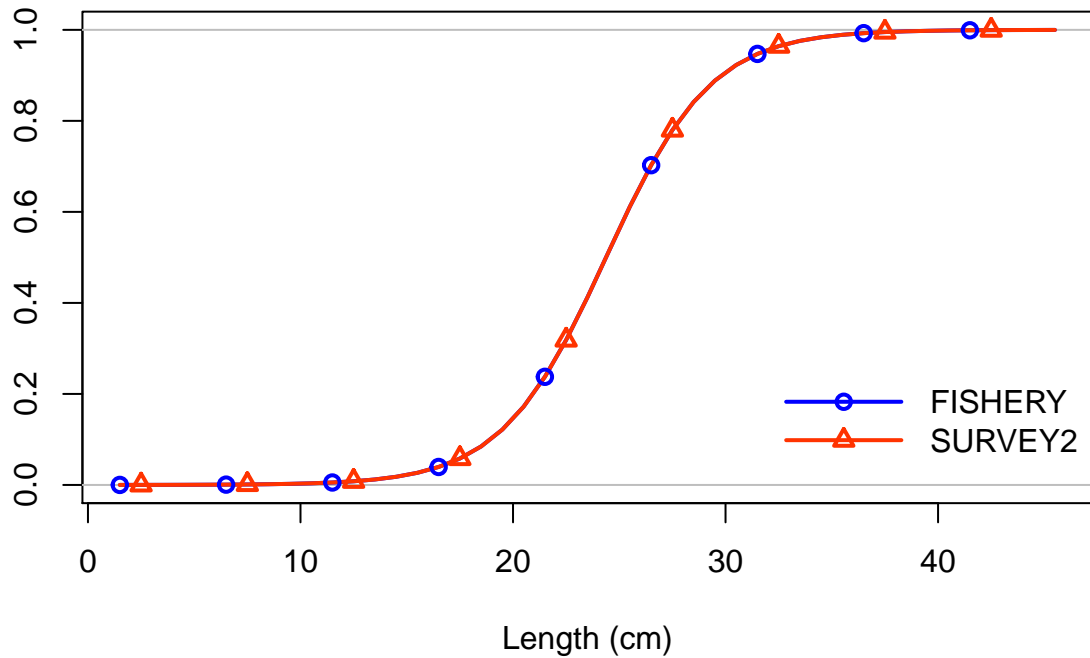




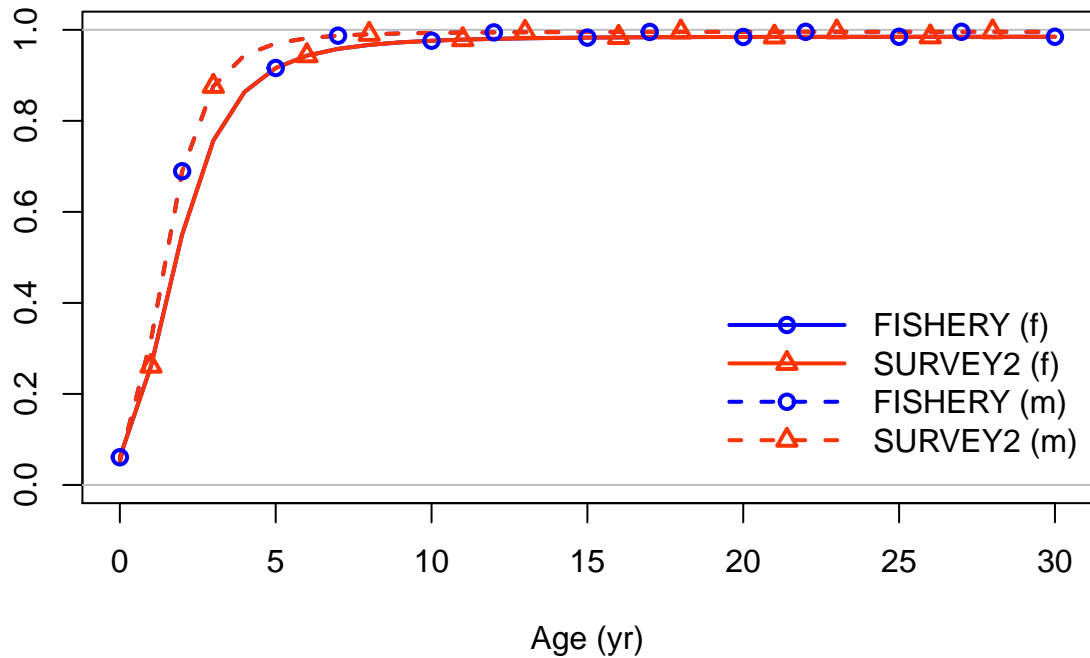




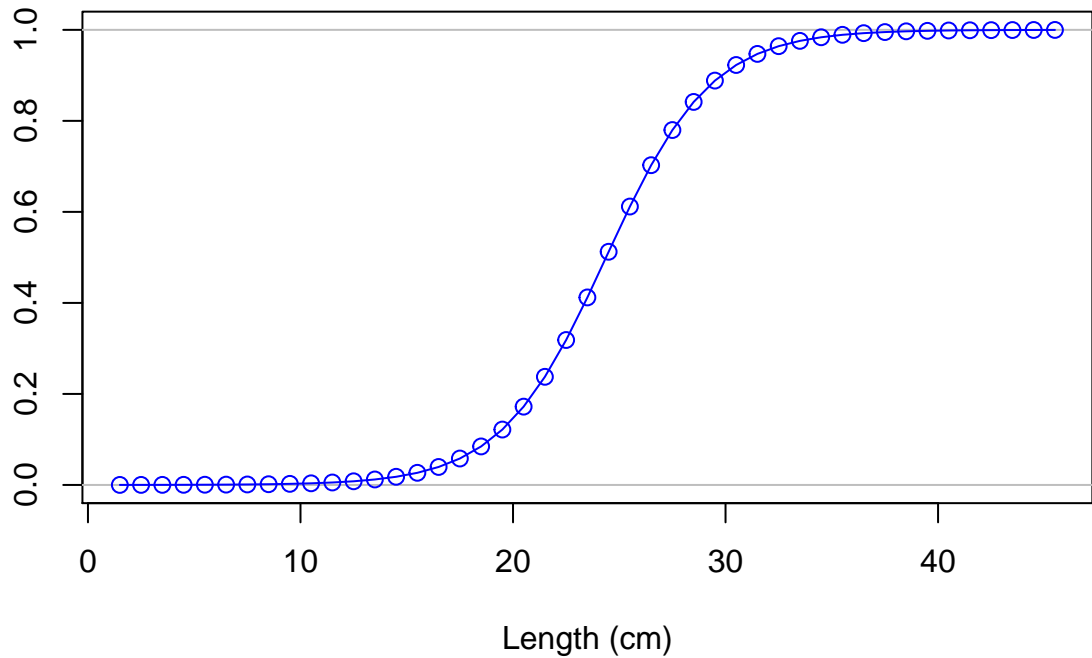
Selectivity



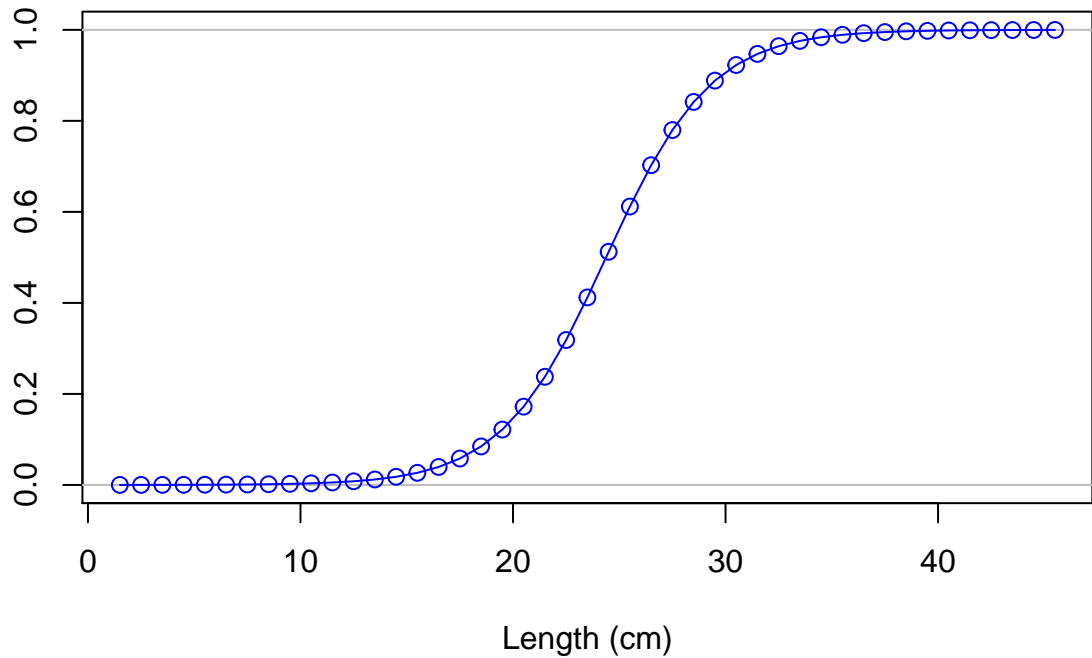
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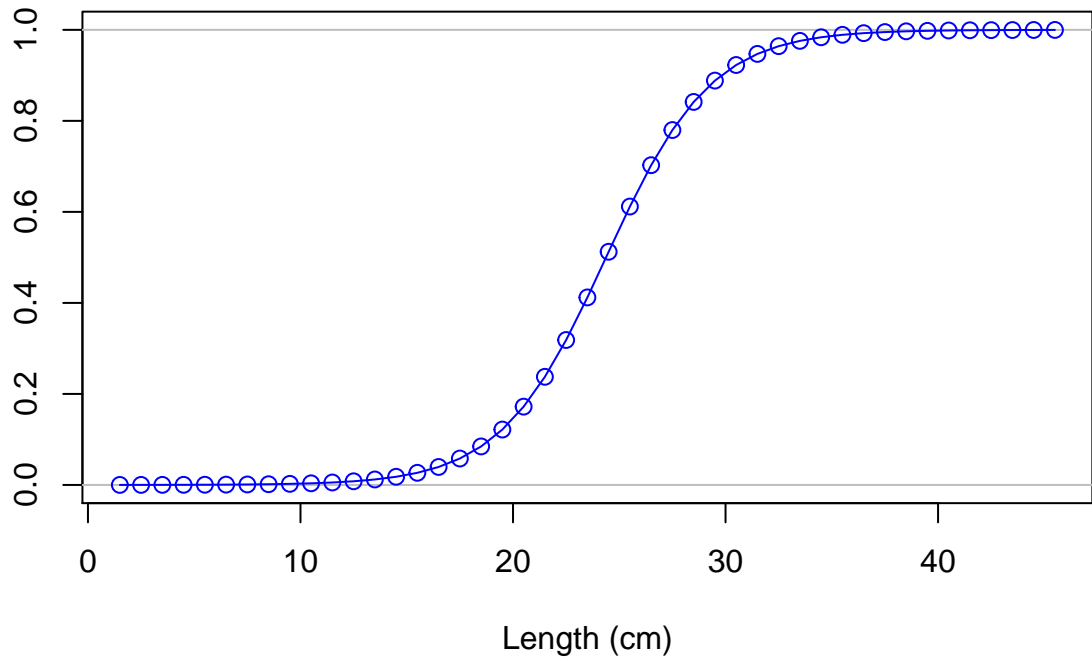
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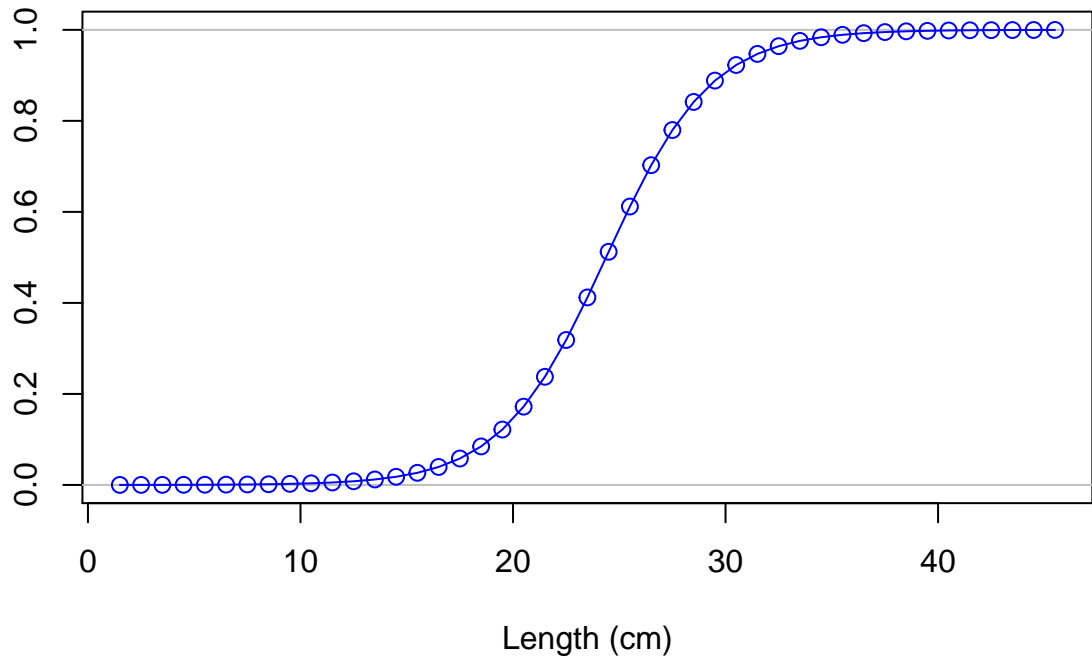
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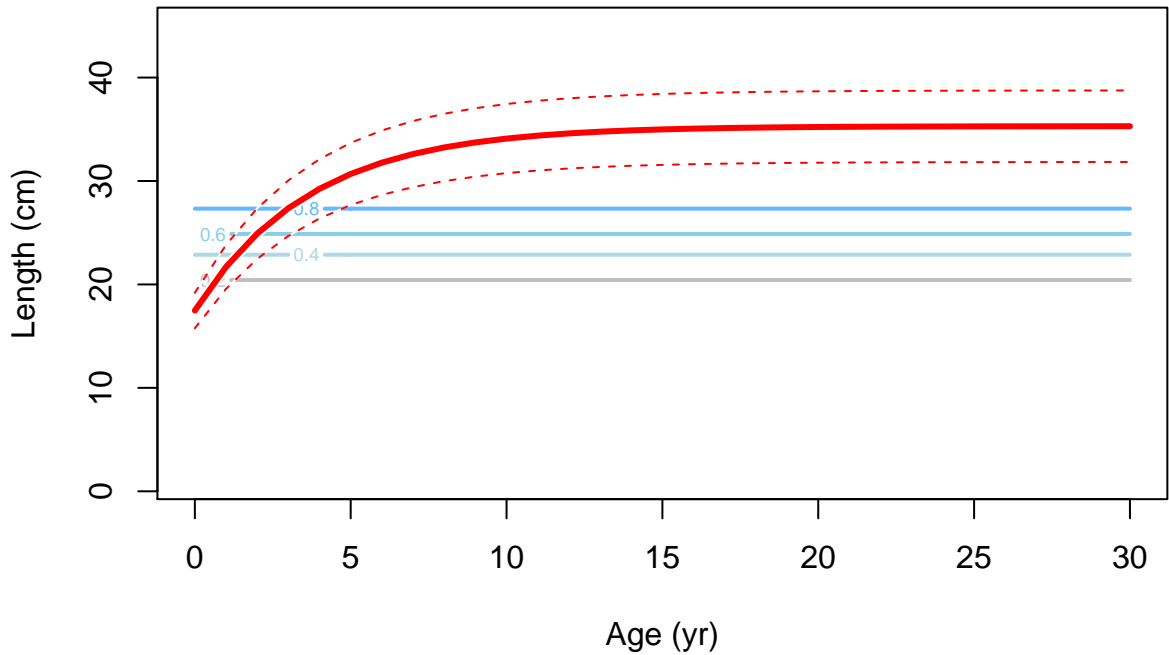


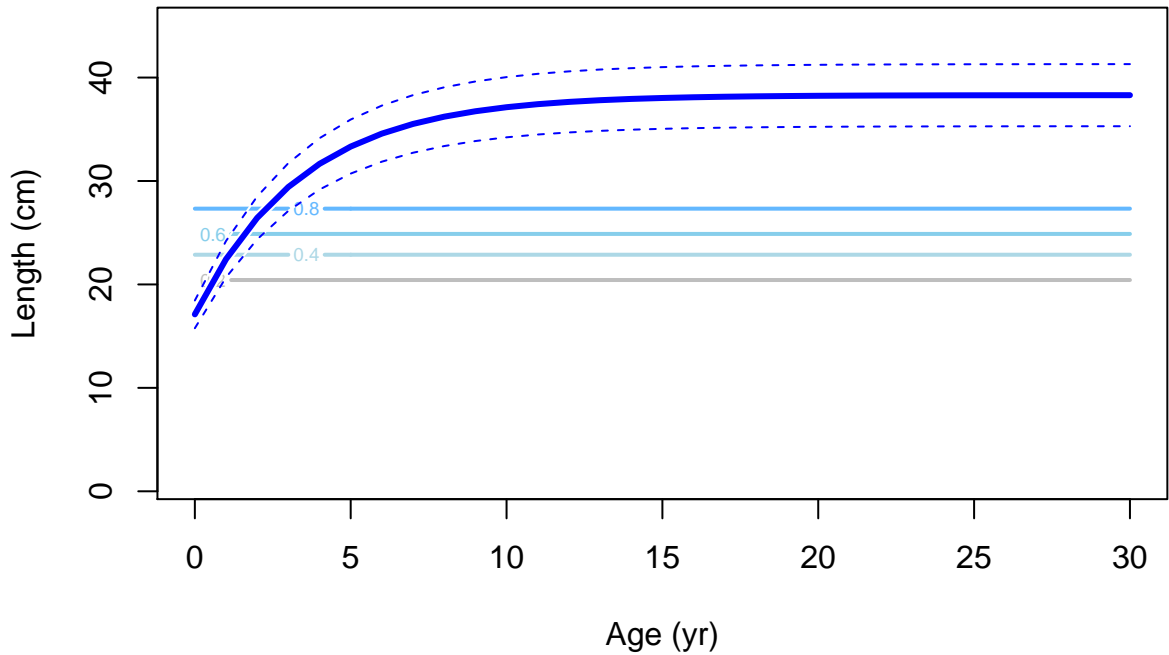
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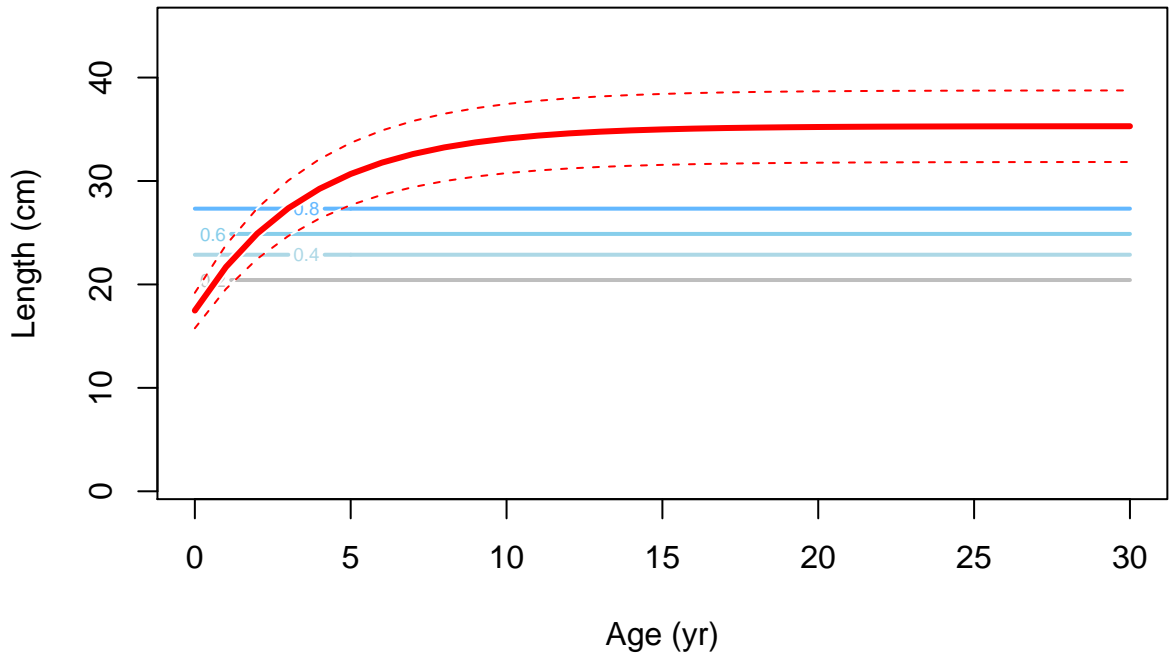


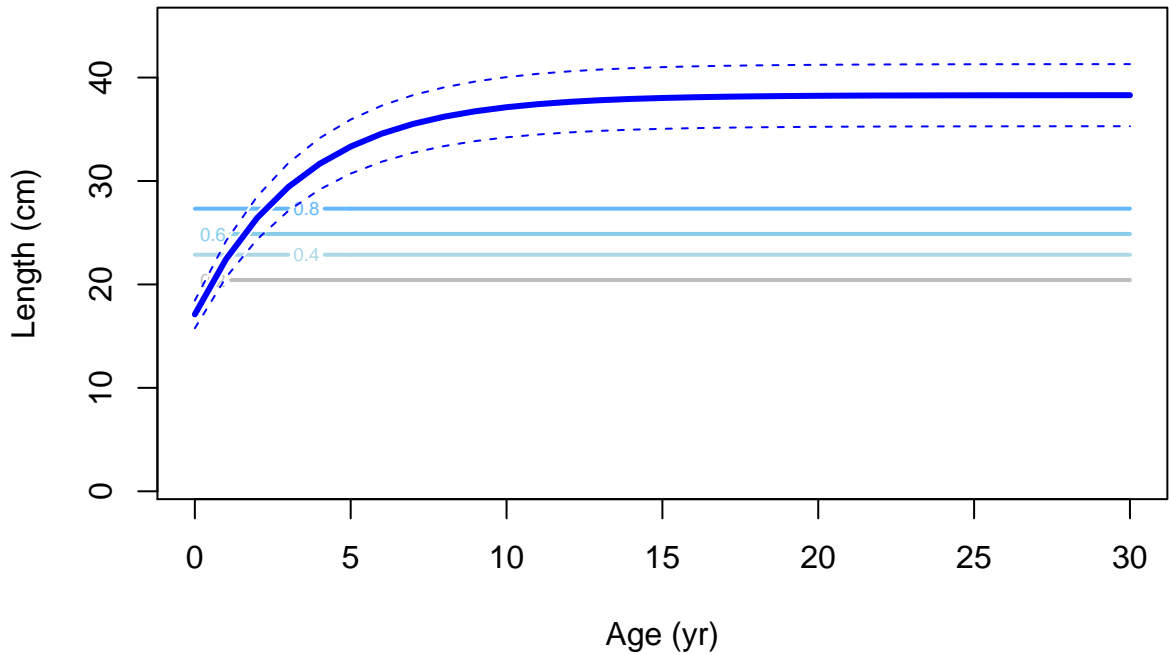
Selectivity



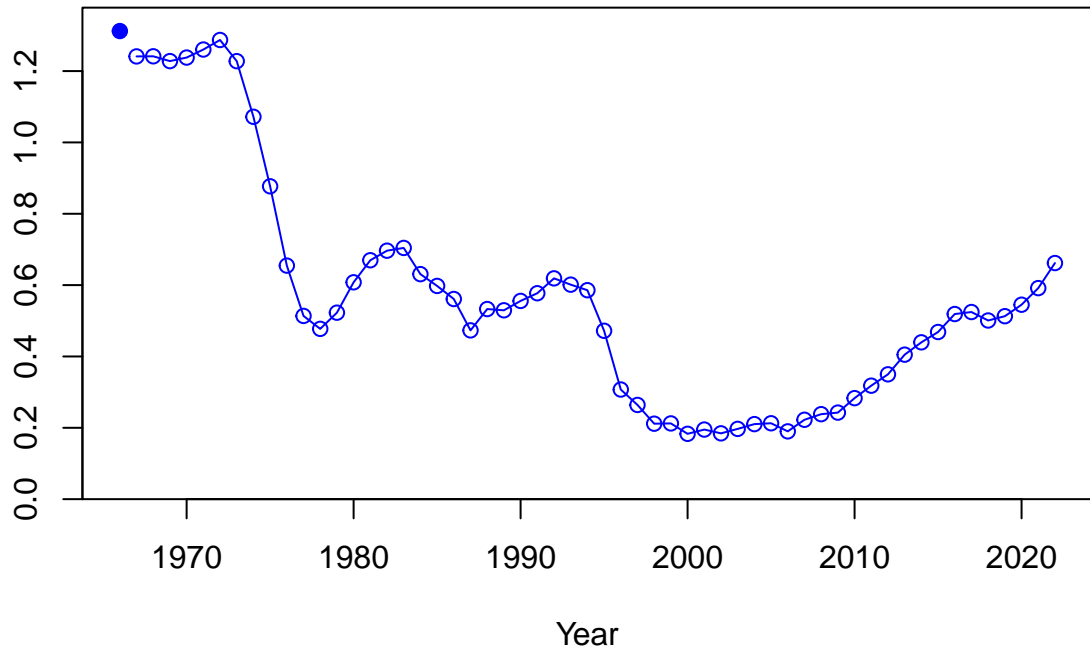




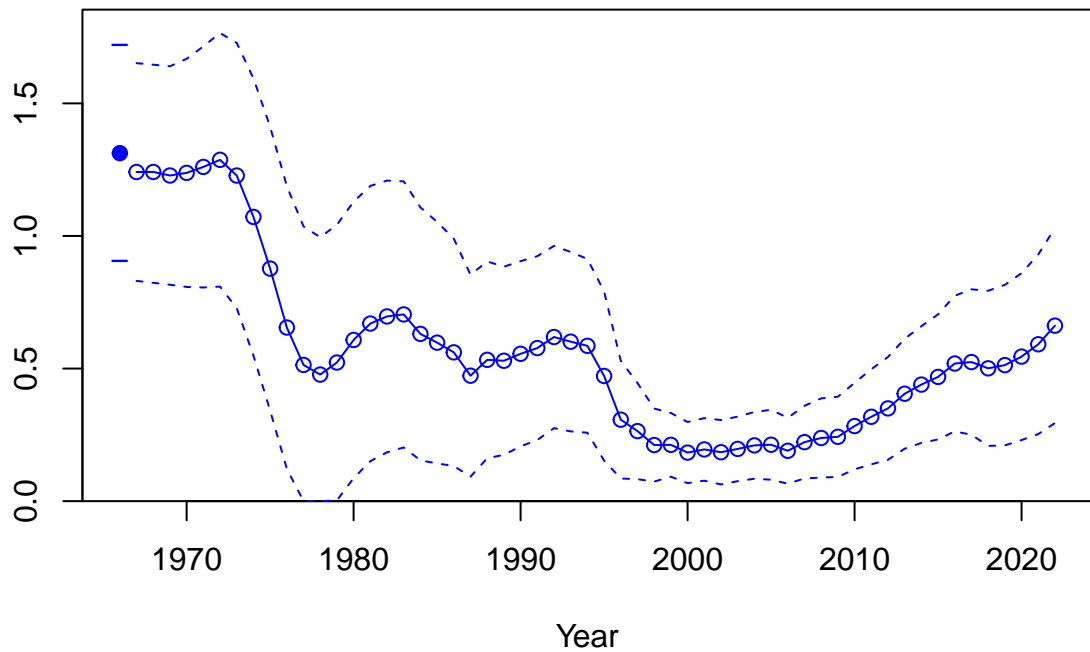




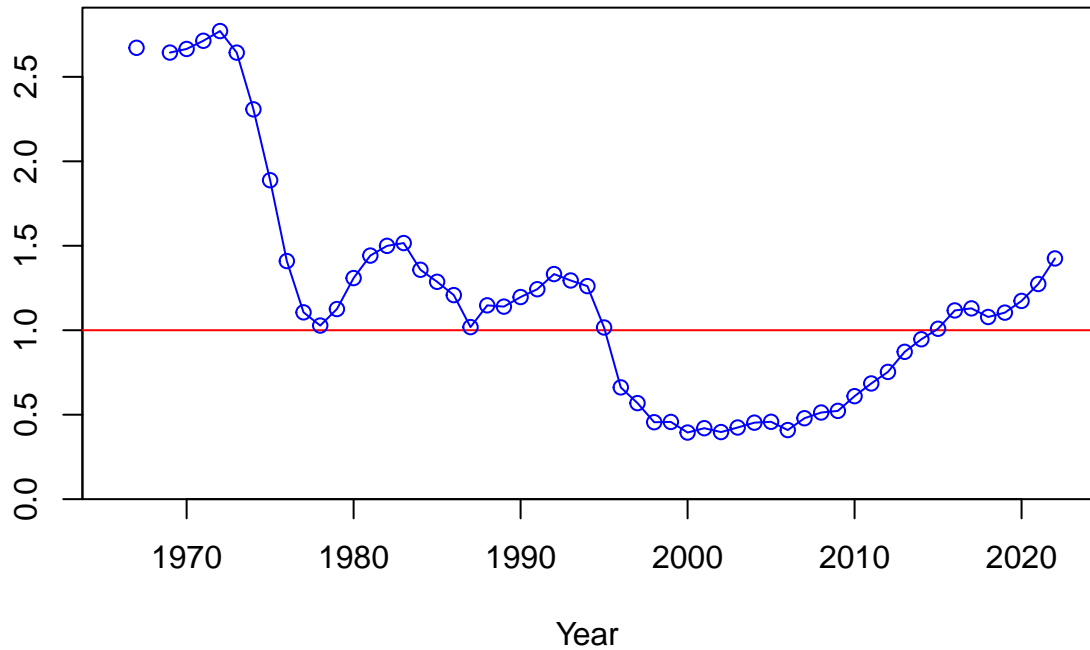
Spawning biomass (mt)



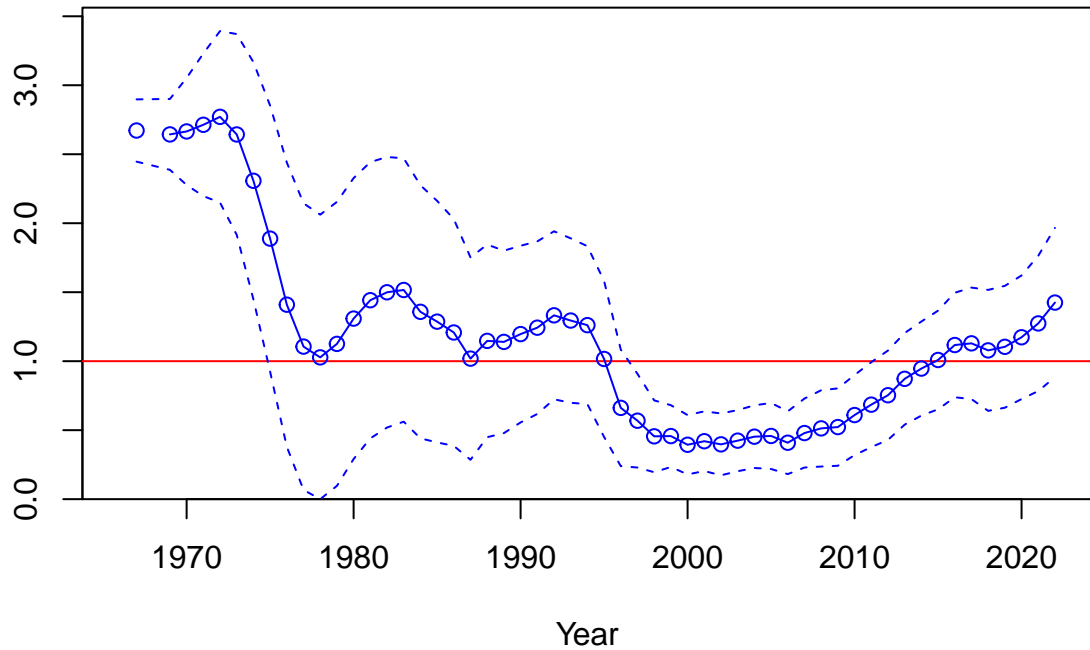
Spawning biomass (mt)

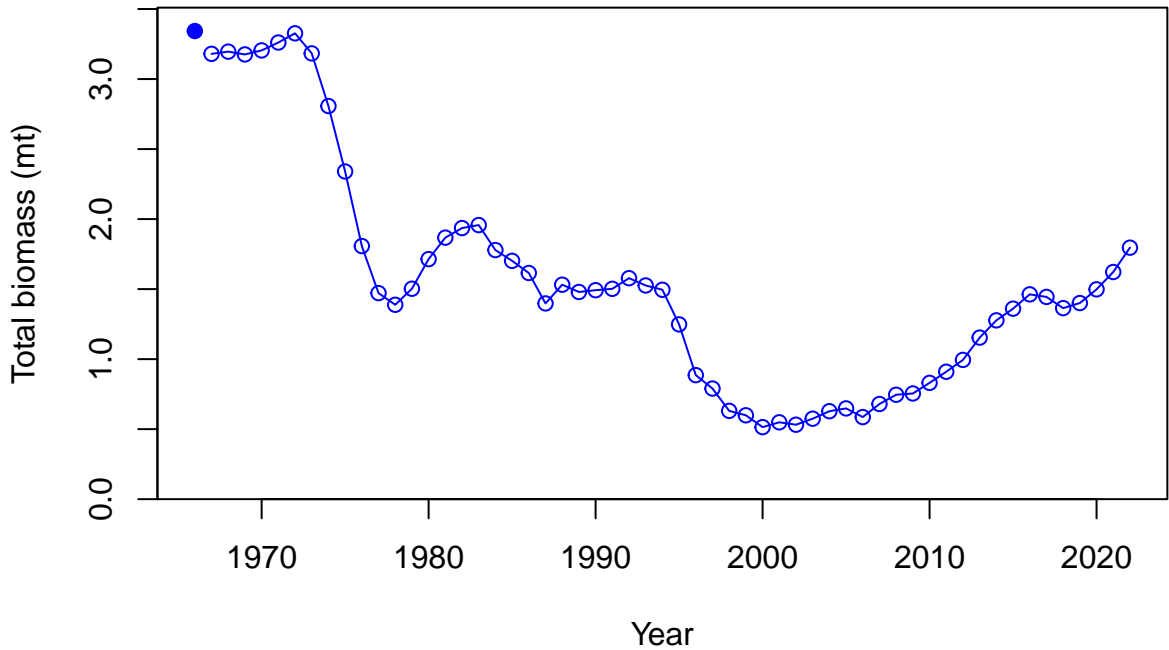


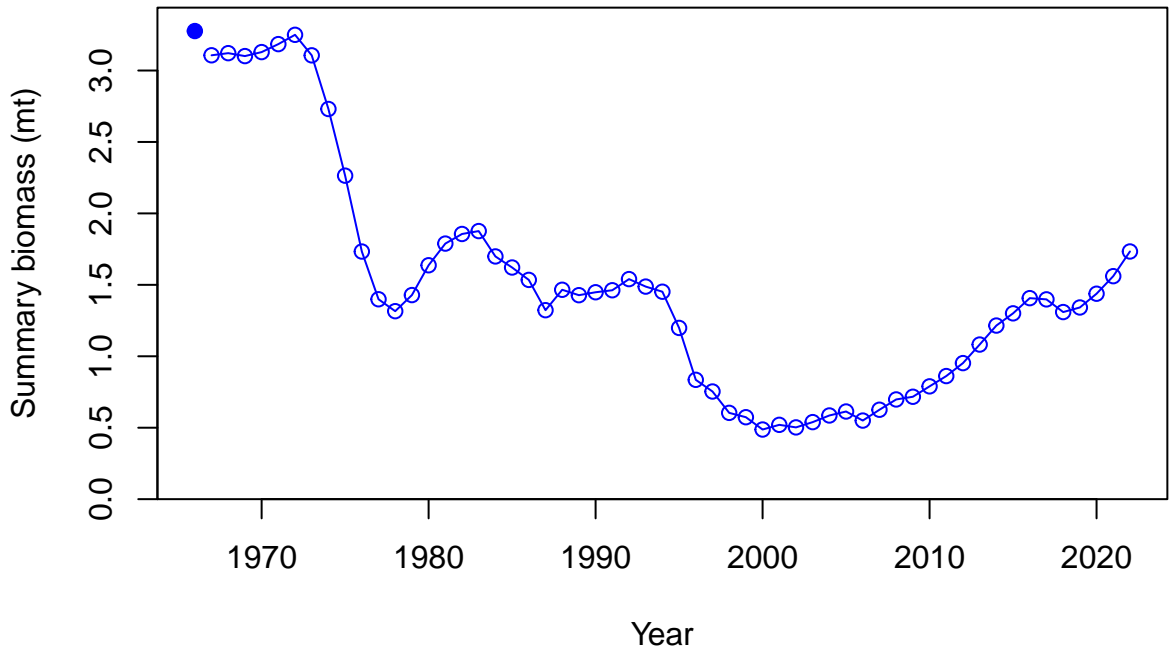
Relative spawning biomass: B/B_{MSY}



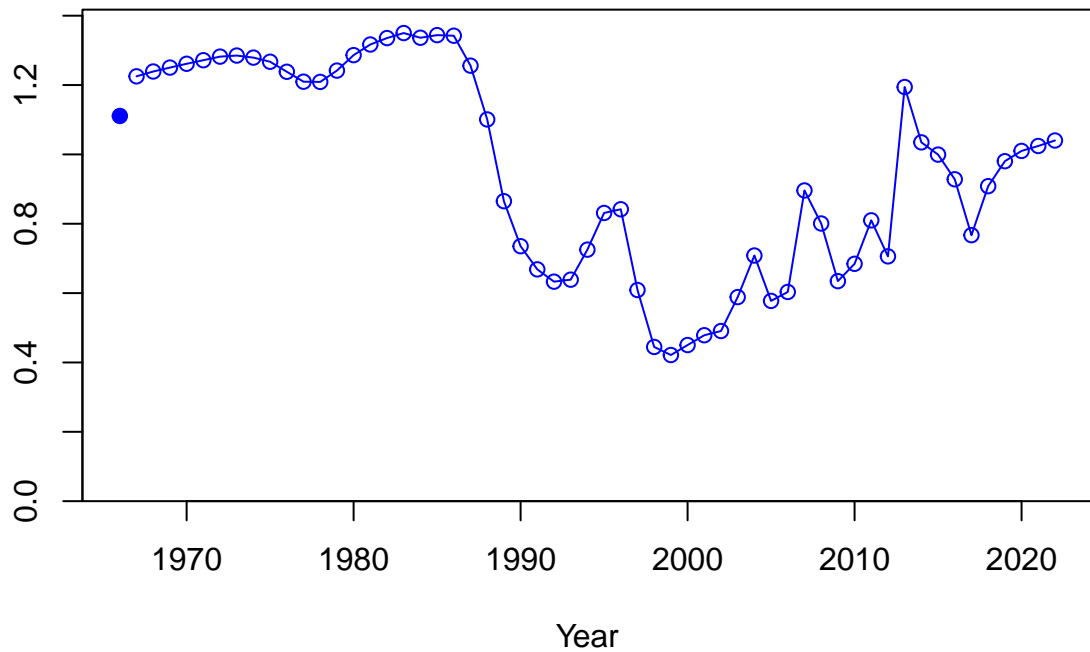
Relative spawning biomass: B/B_{MSY}



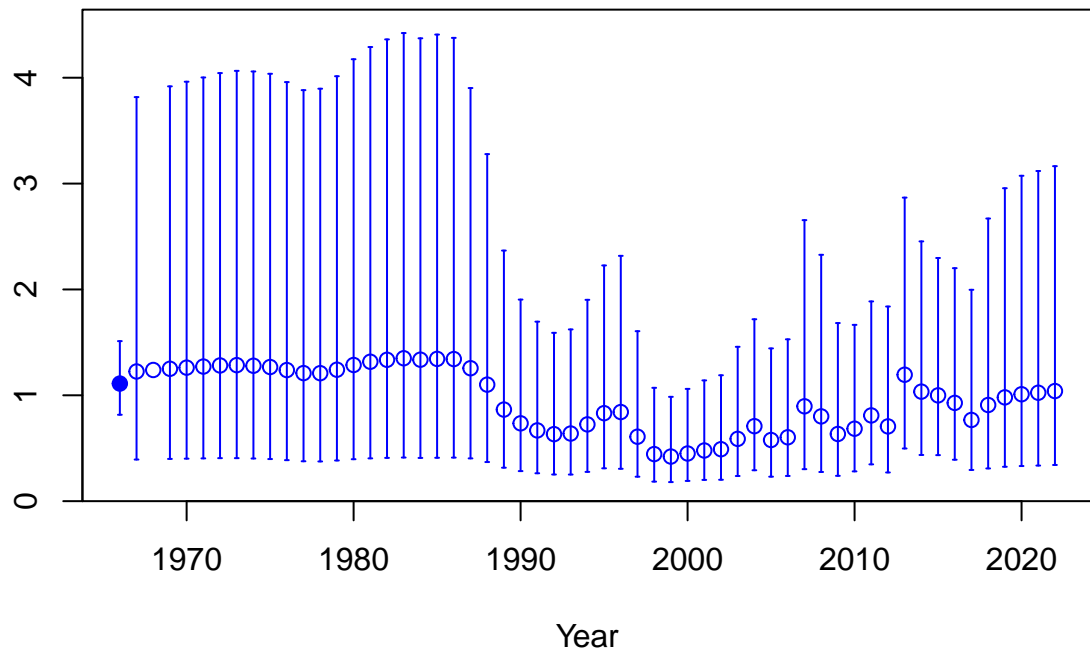




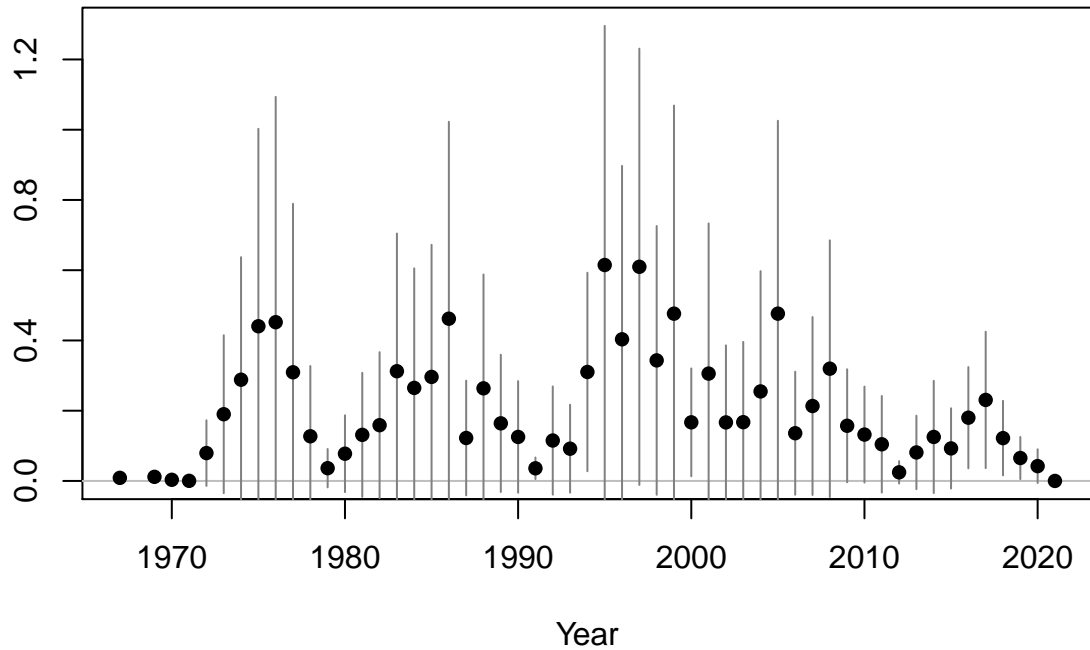
Age-0 recruits (1,000s)

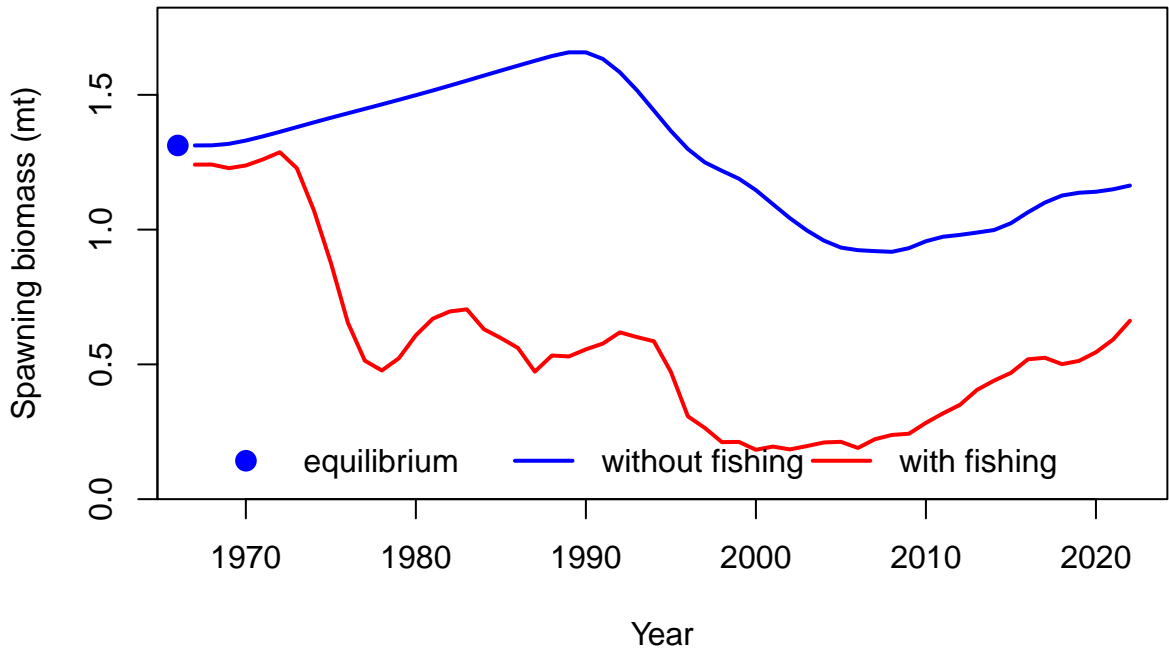


Age-0 recruits (1,000s)

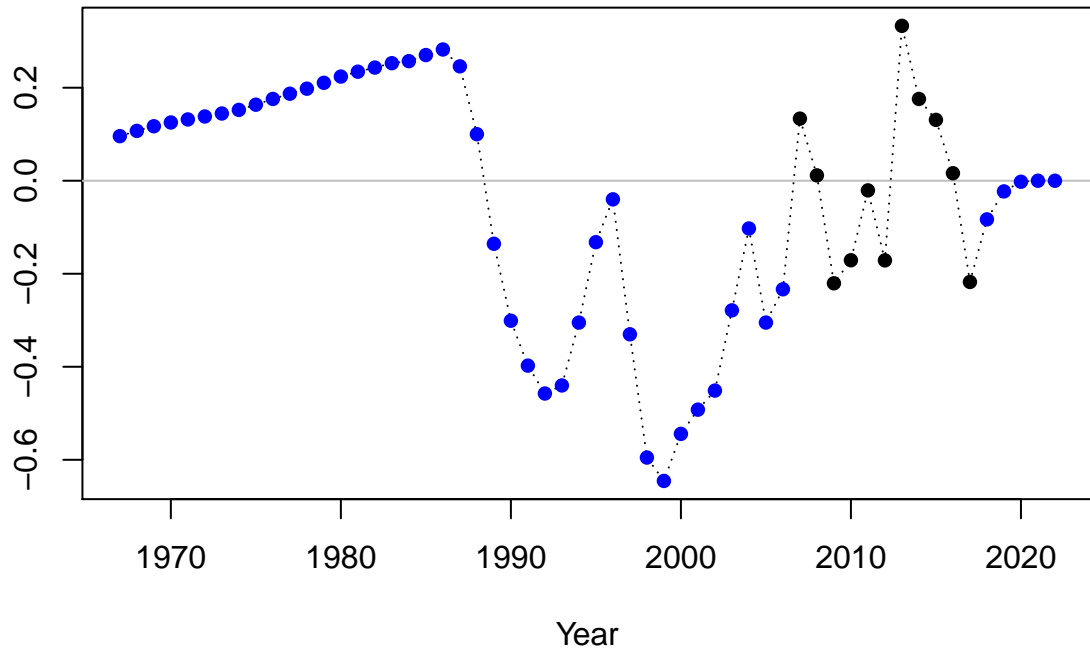


Summary Fishing Mortality

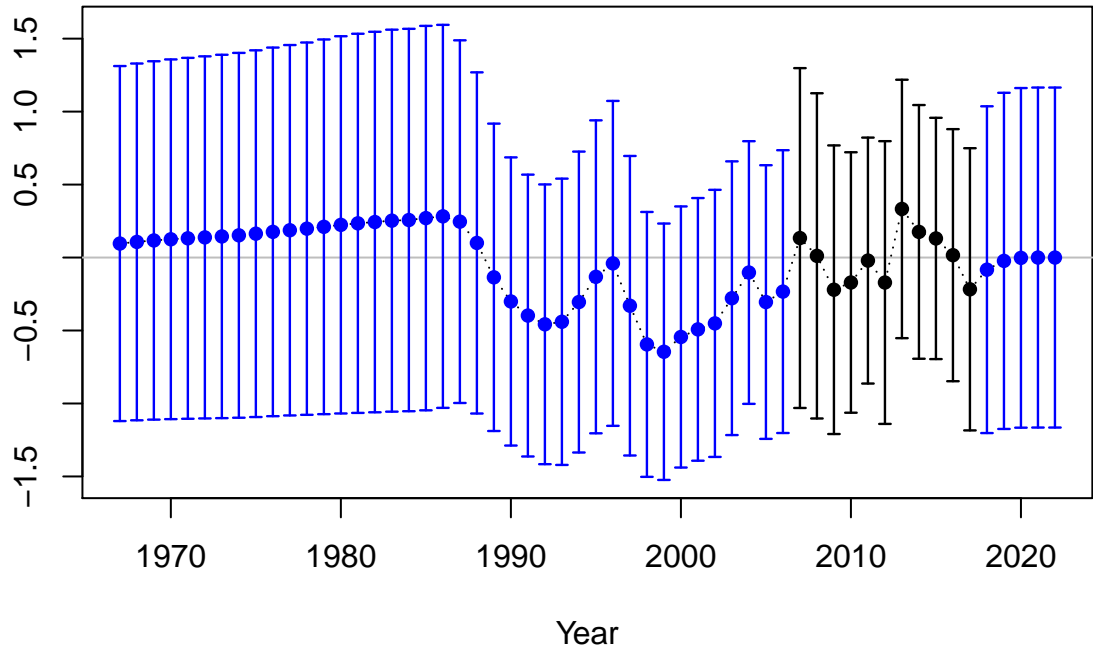




Log recruitment deviation

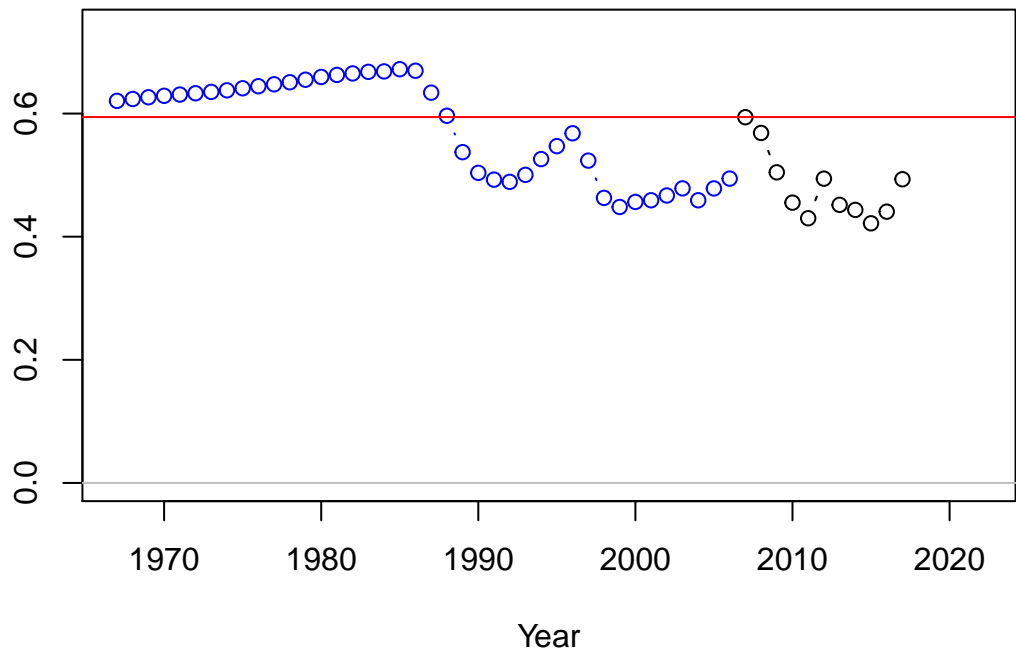


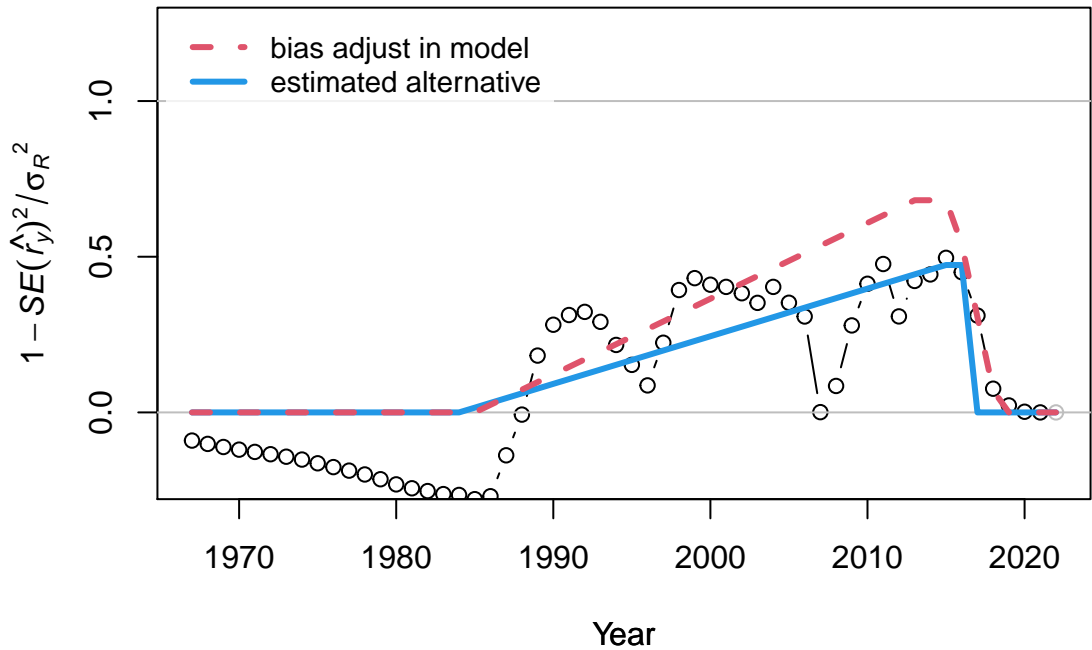
Log recruitment deviation

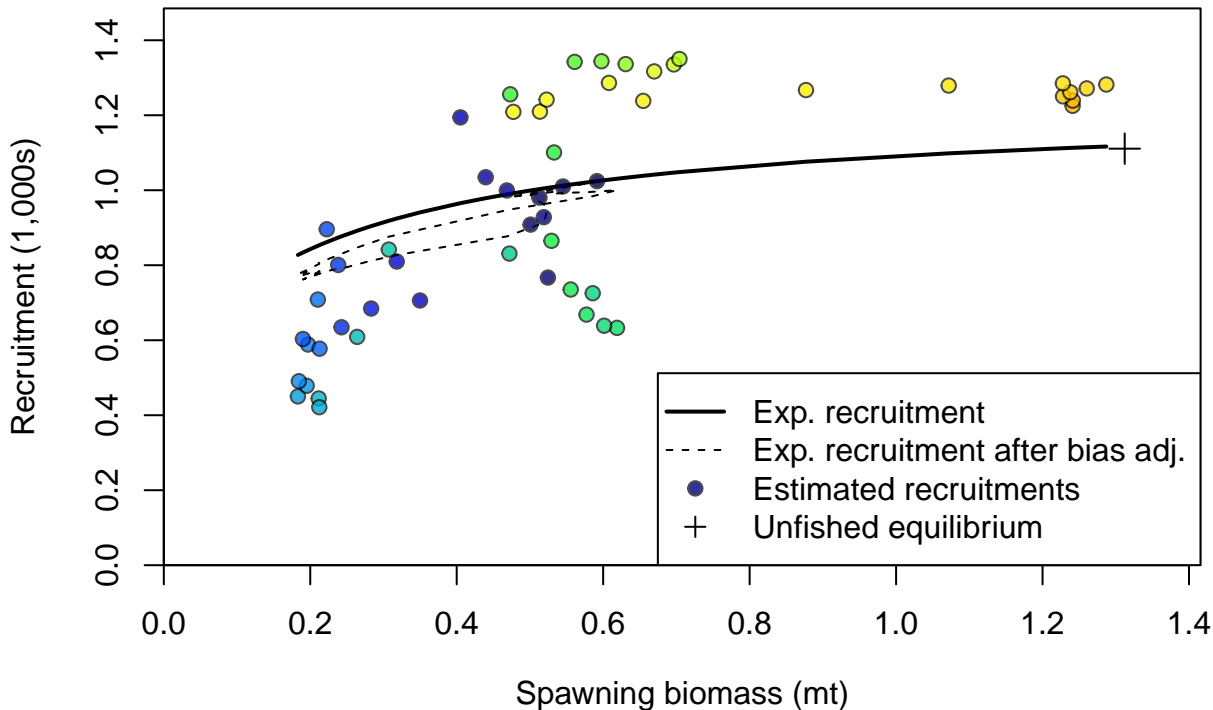


Recruitment deviation variance

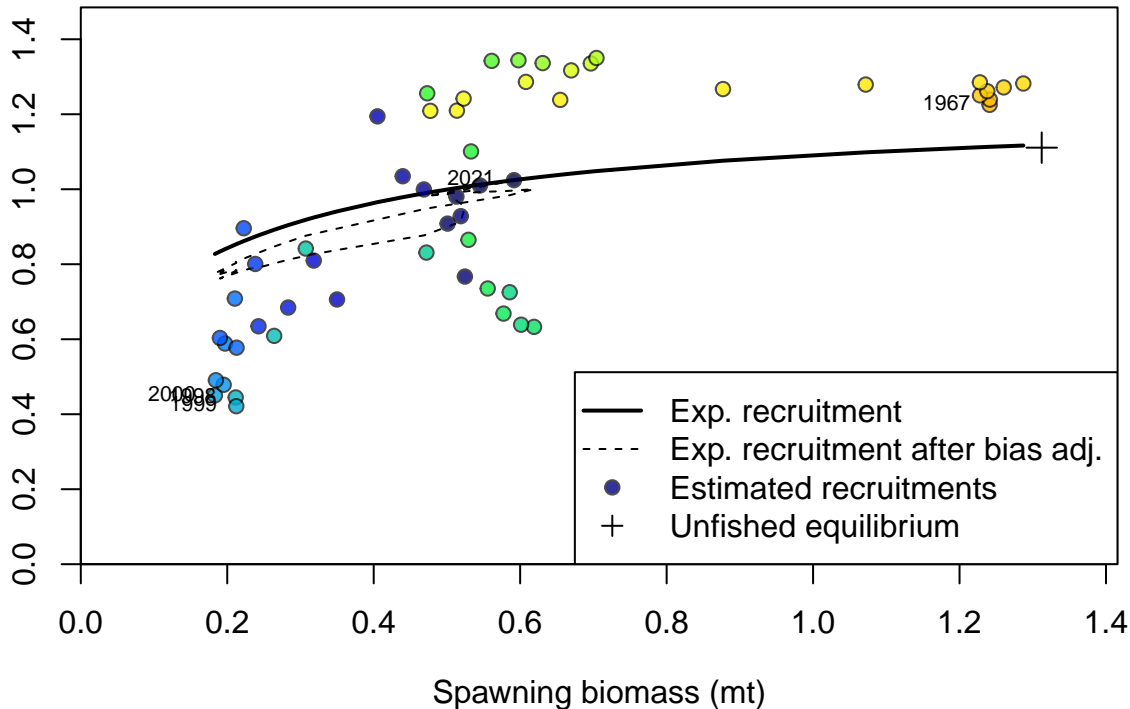
Asymptotic standard error estimate

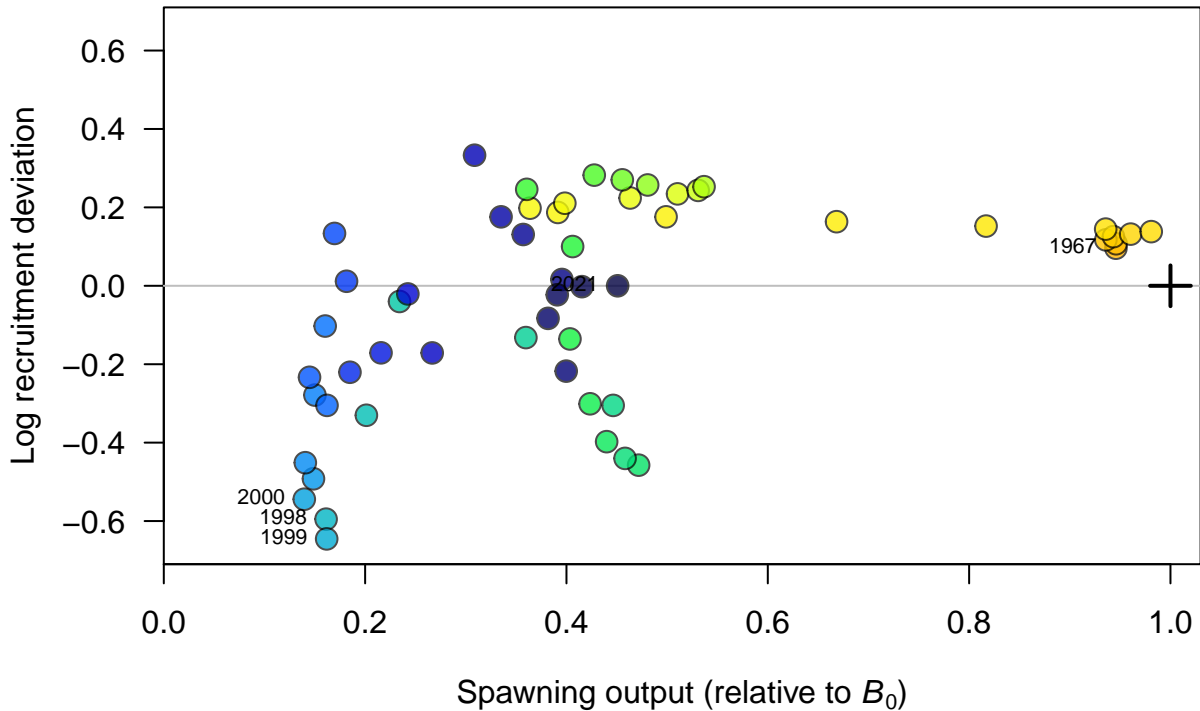


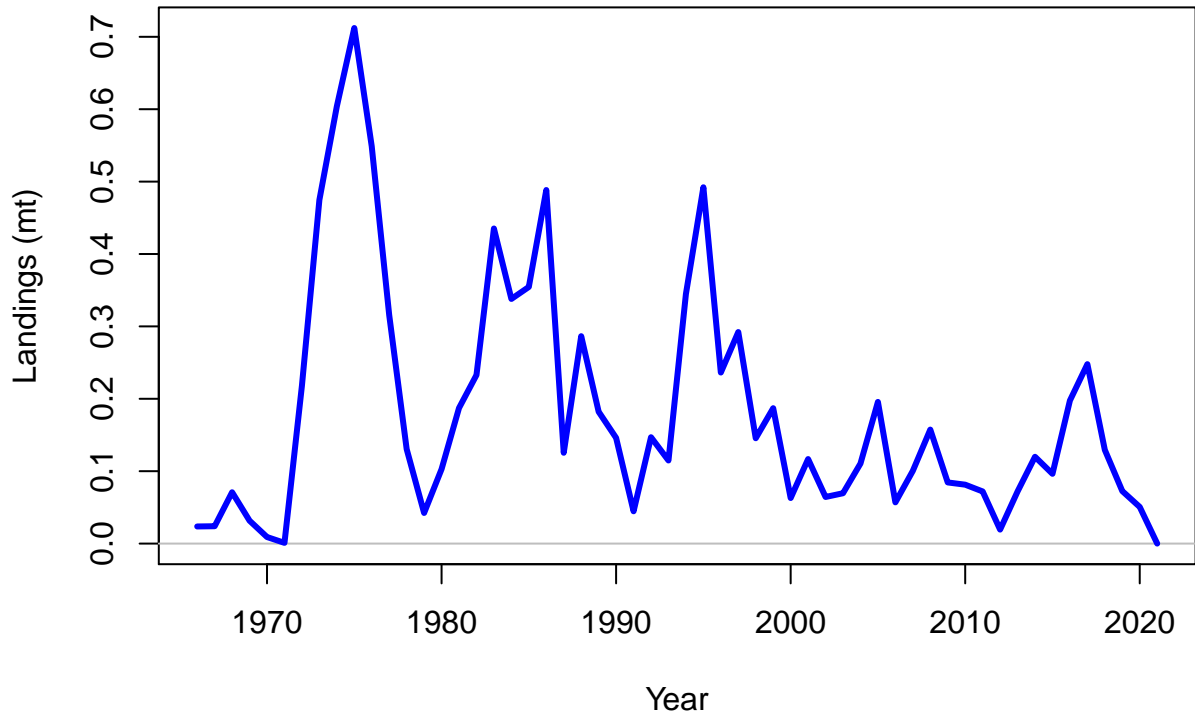


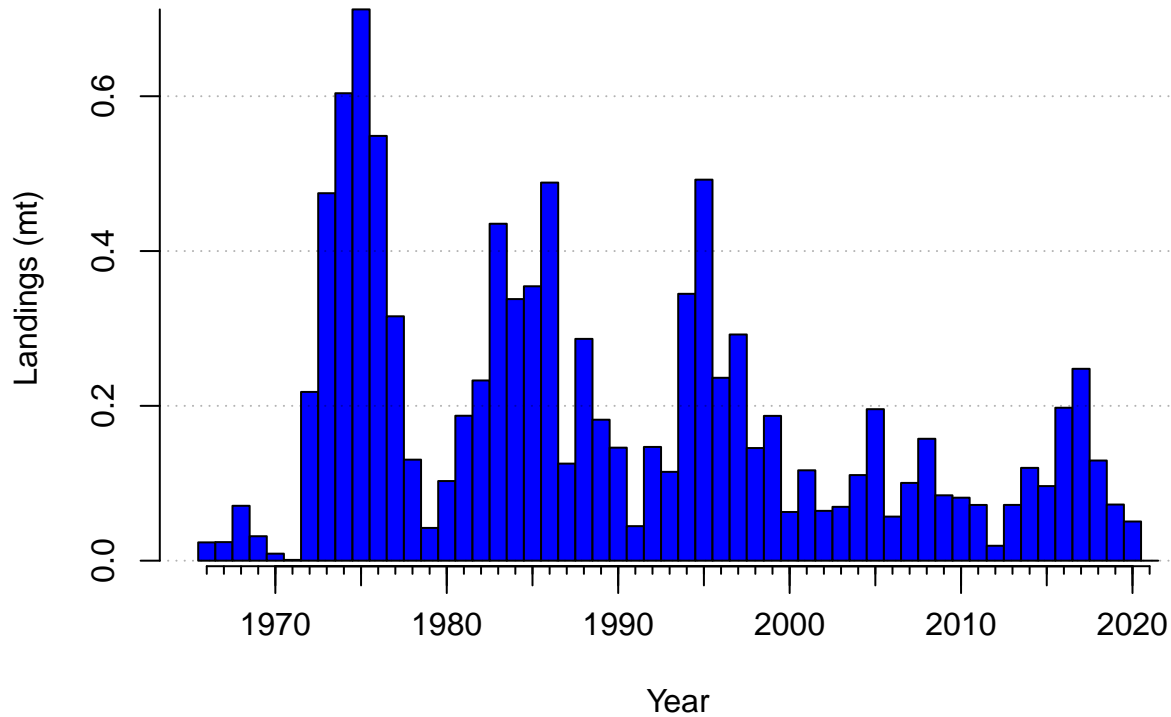


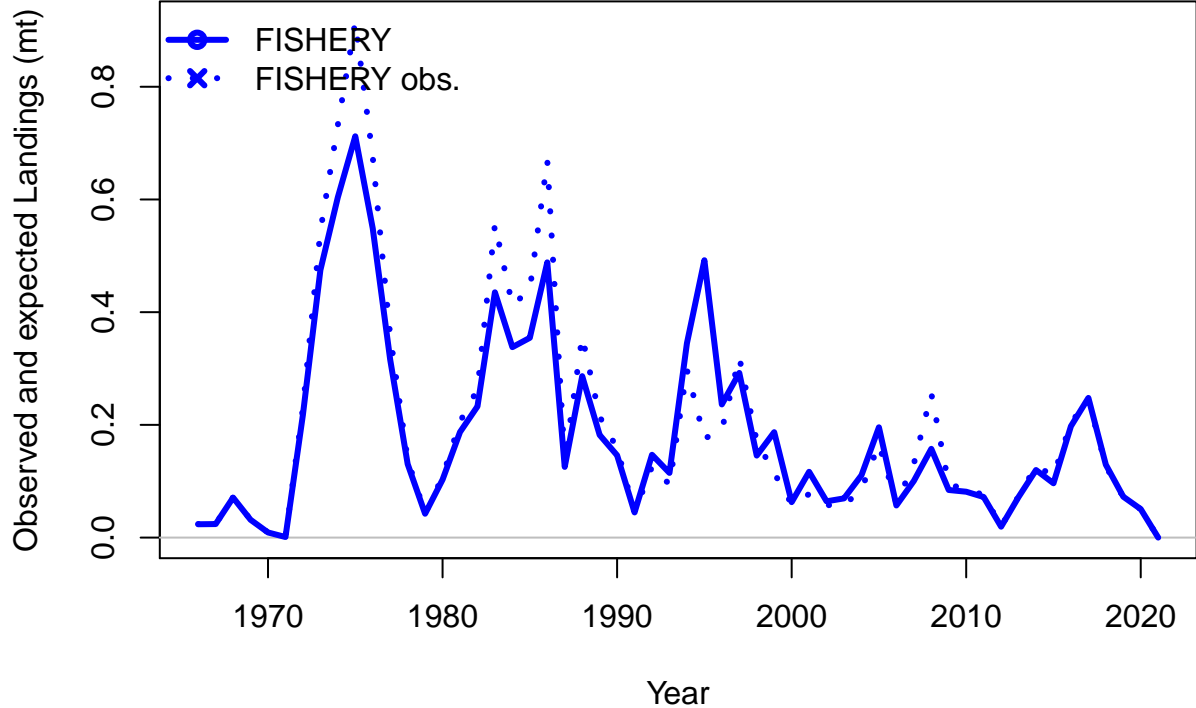
Recruitment (1,000s)

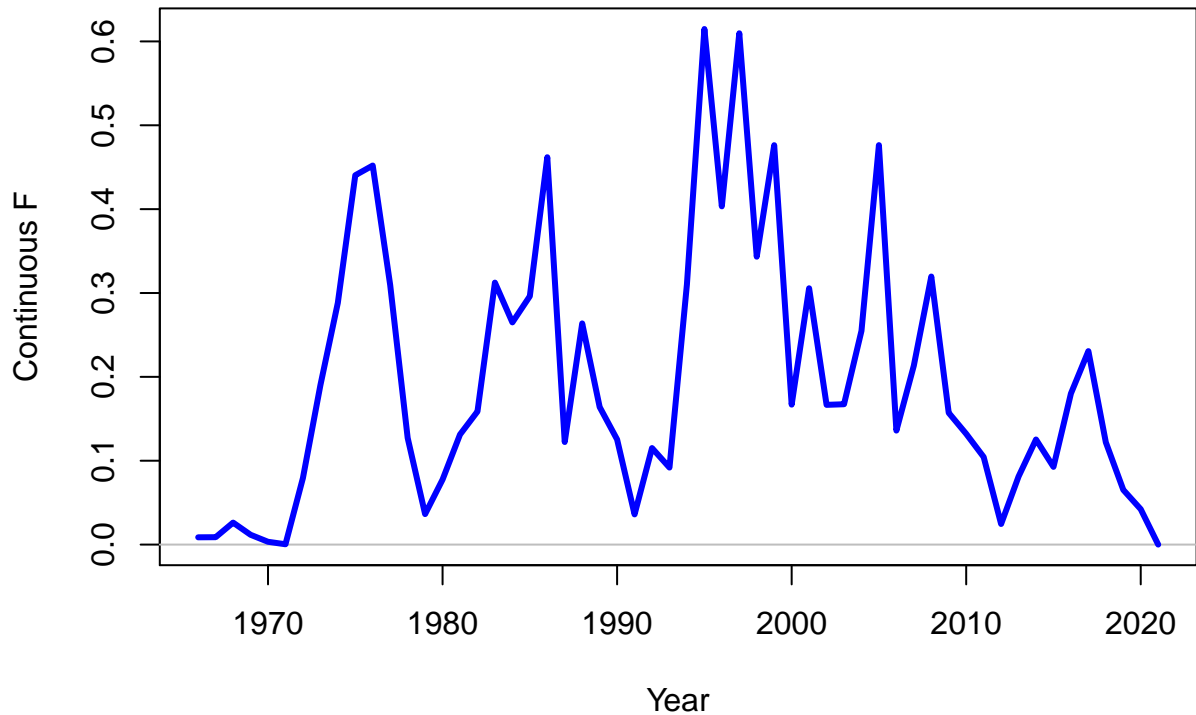




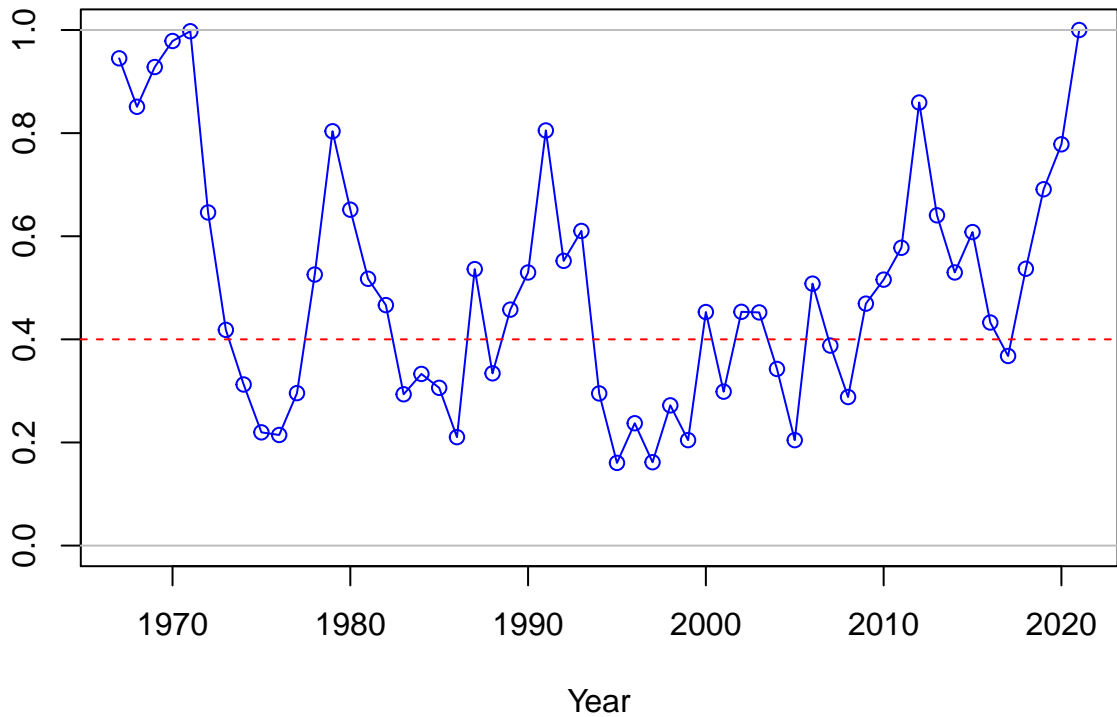


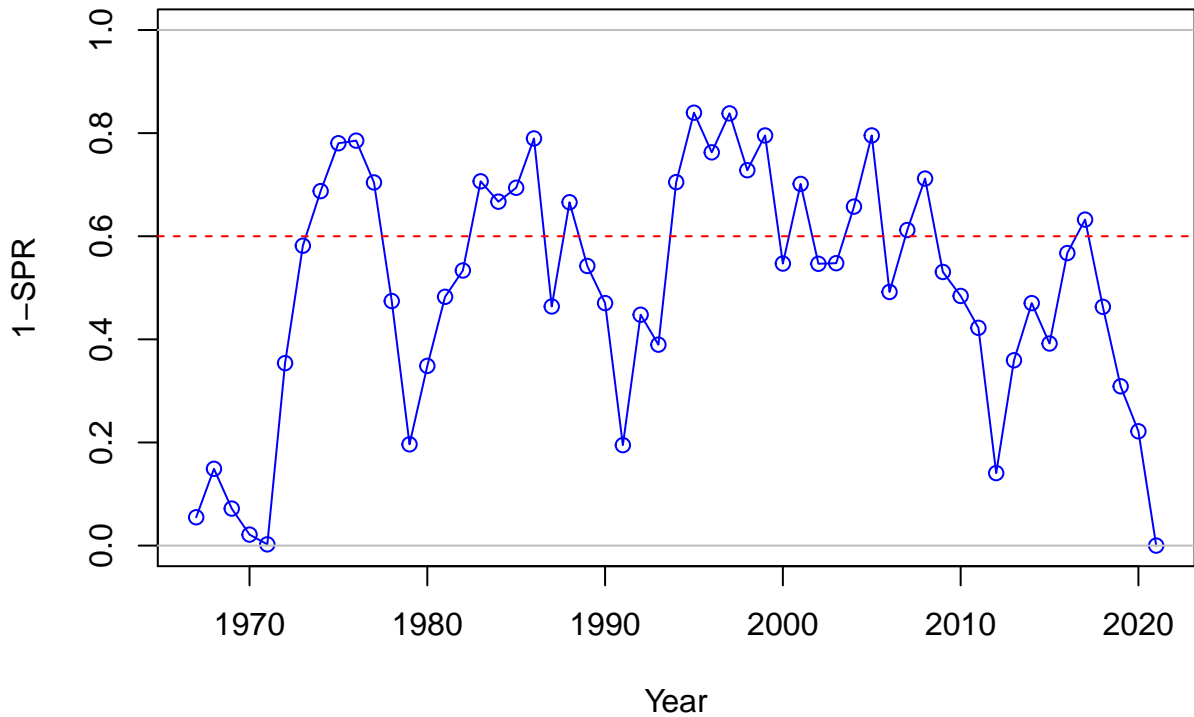




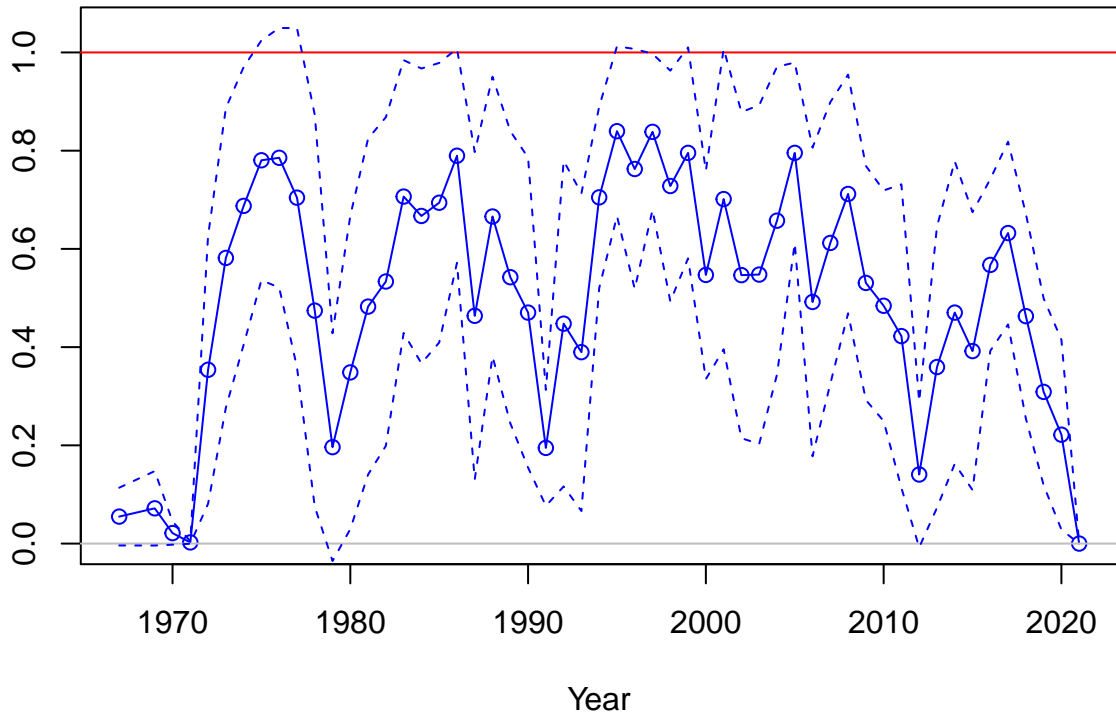


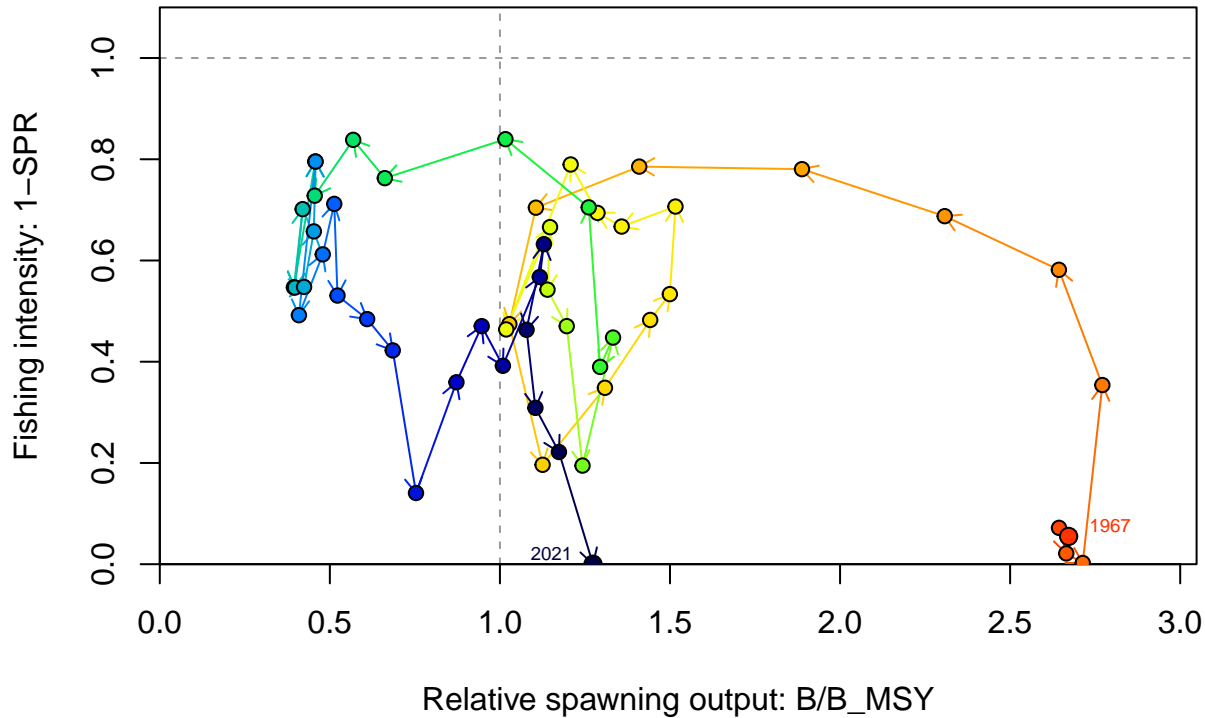
SPR



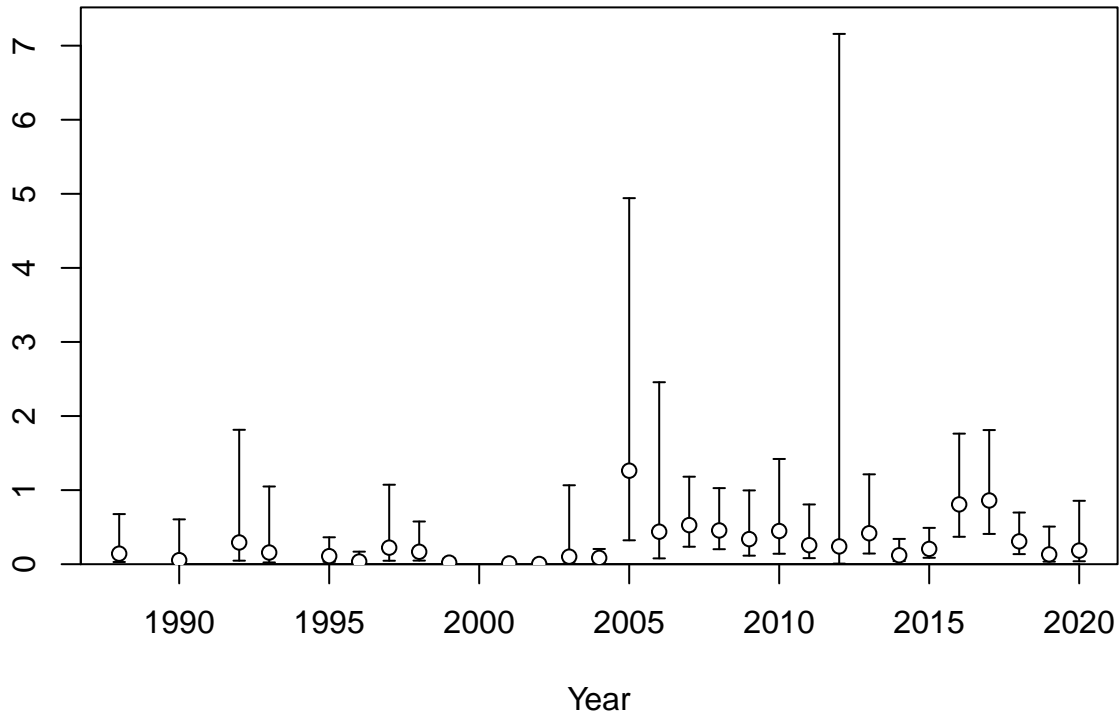


Fishing intensity: 1-SPR

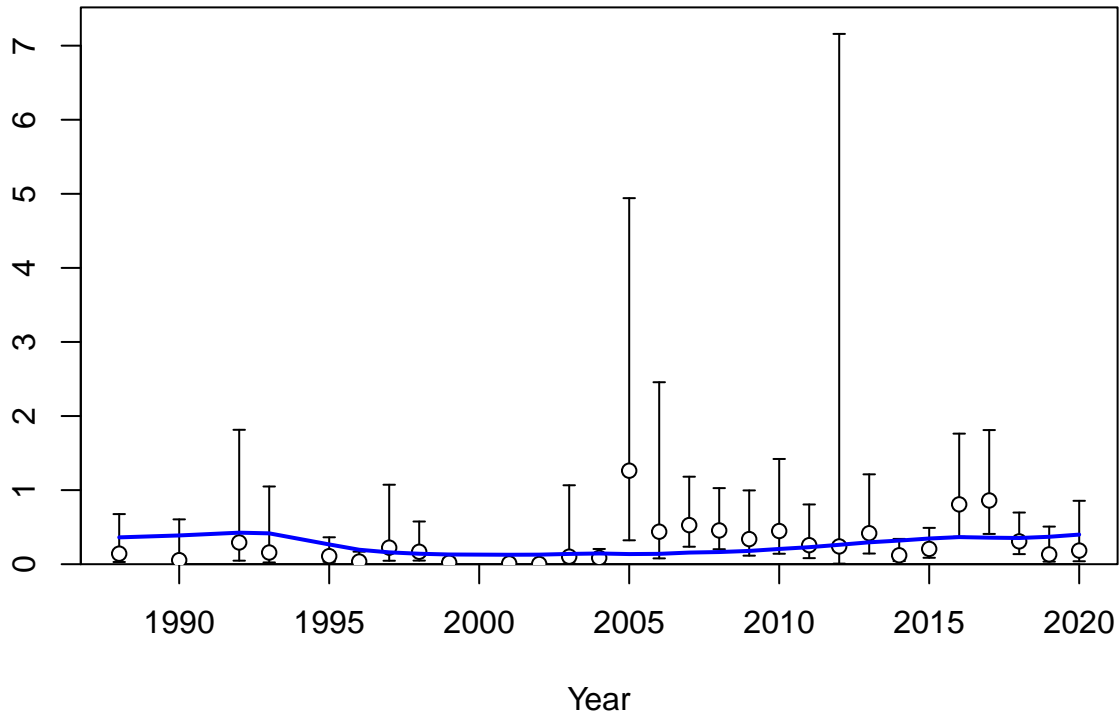


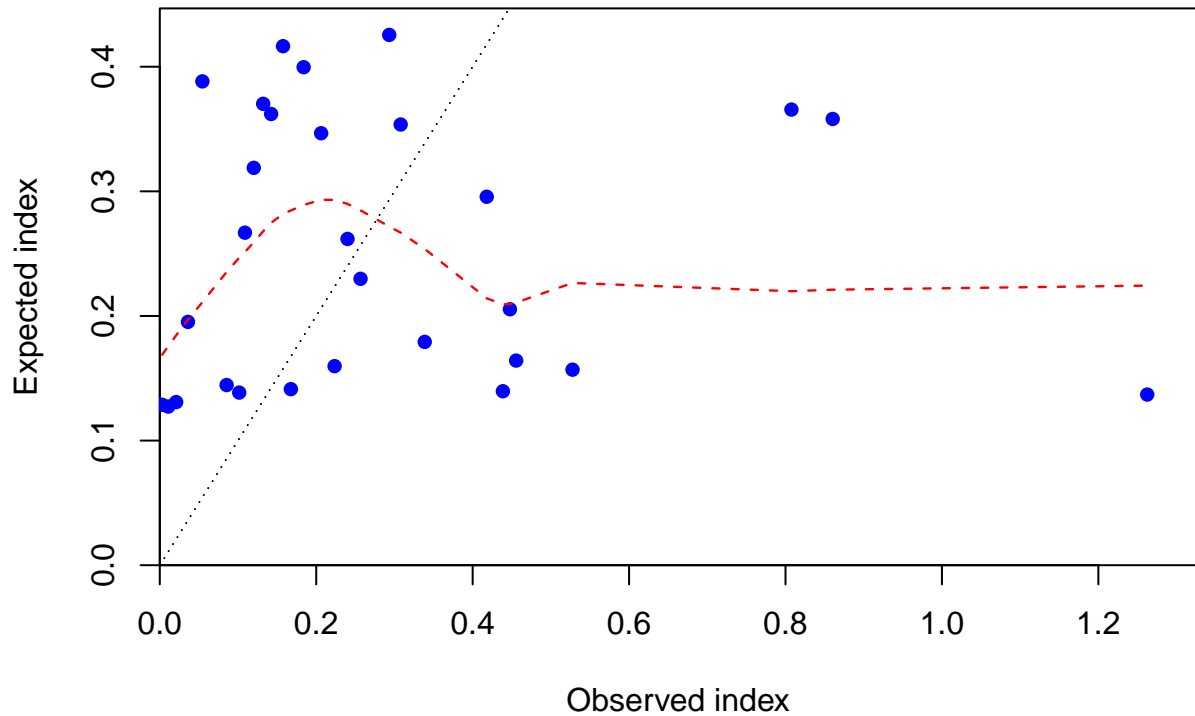


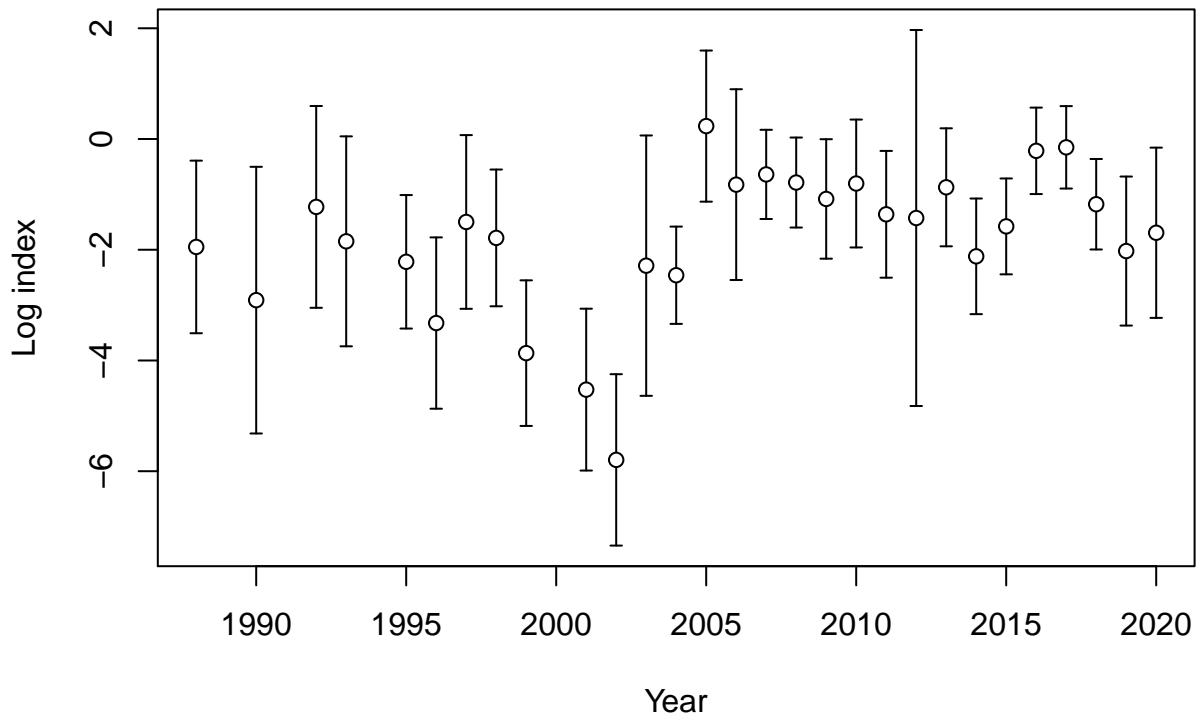
Index



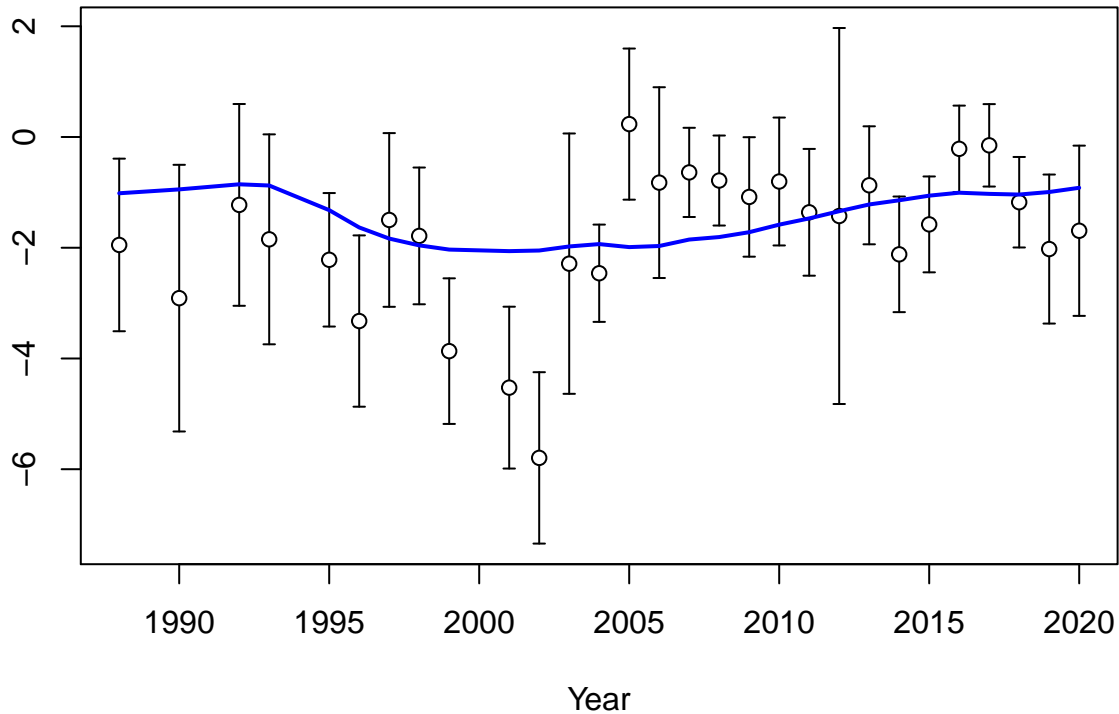
Index

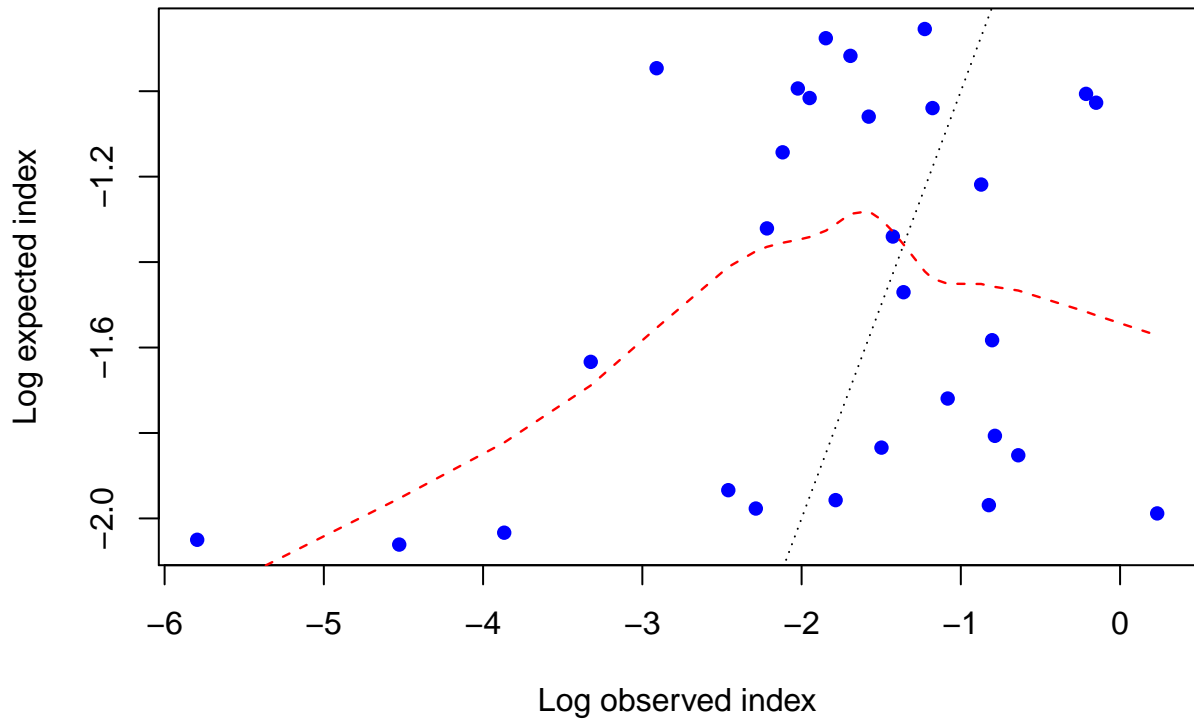


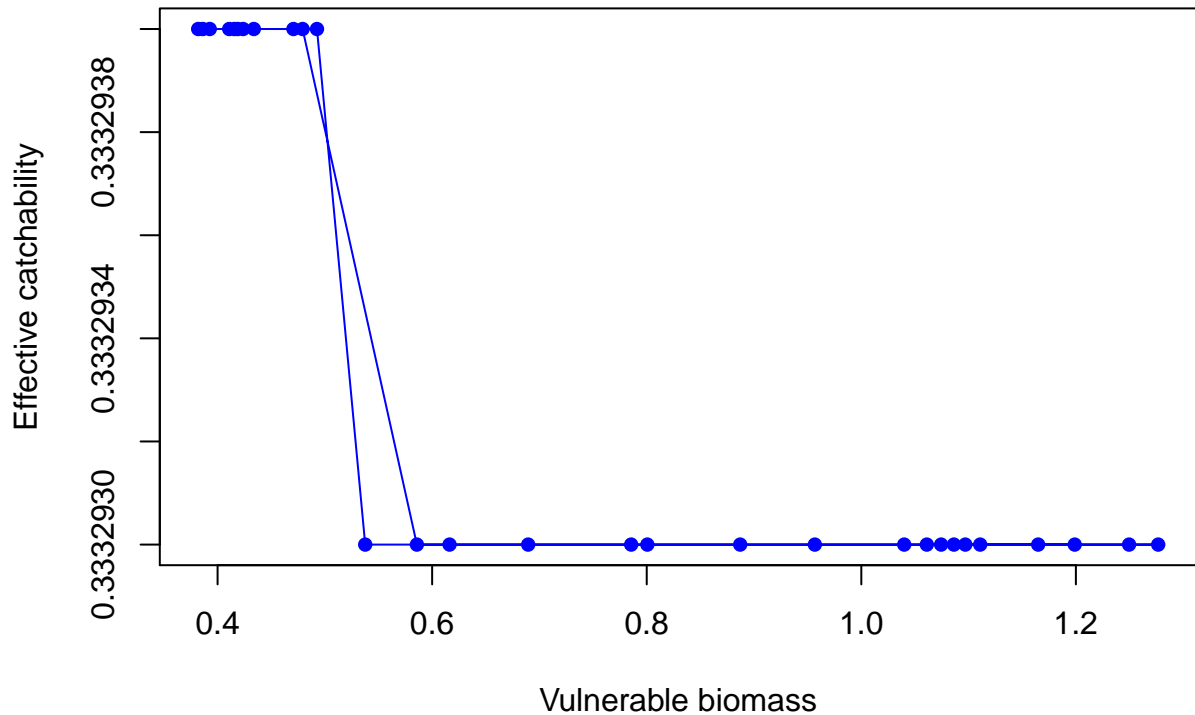


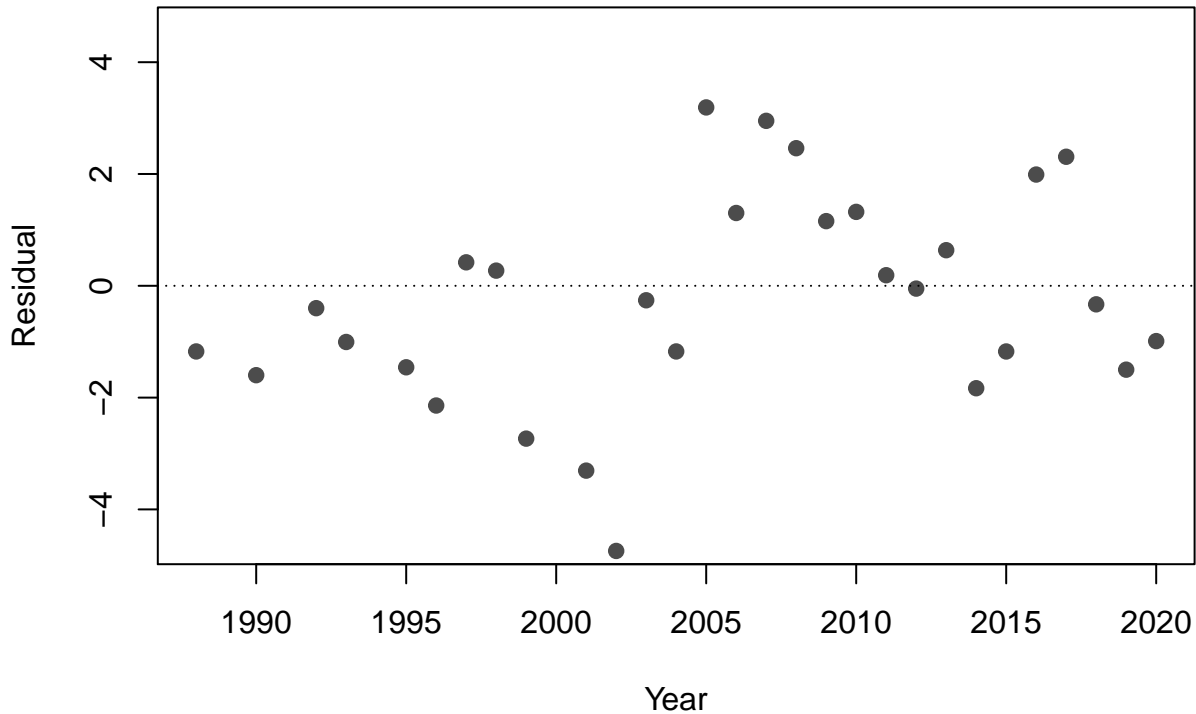


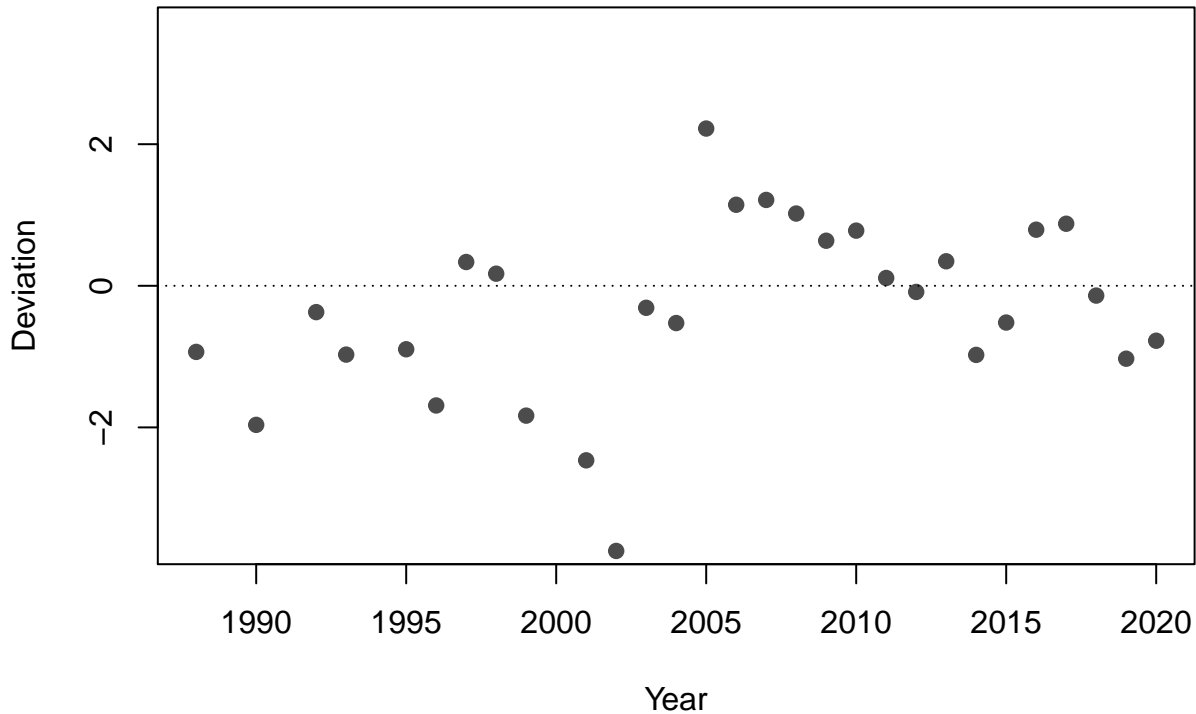
Log index

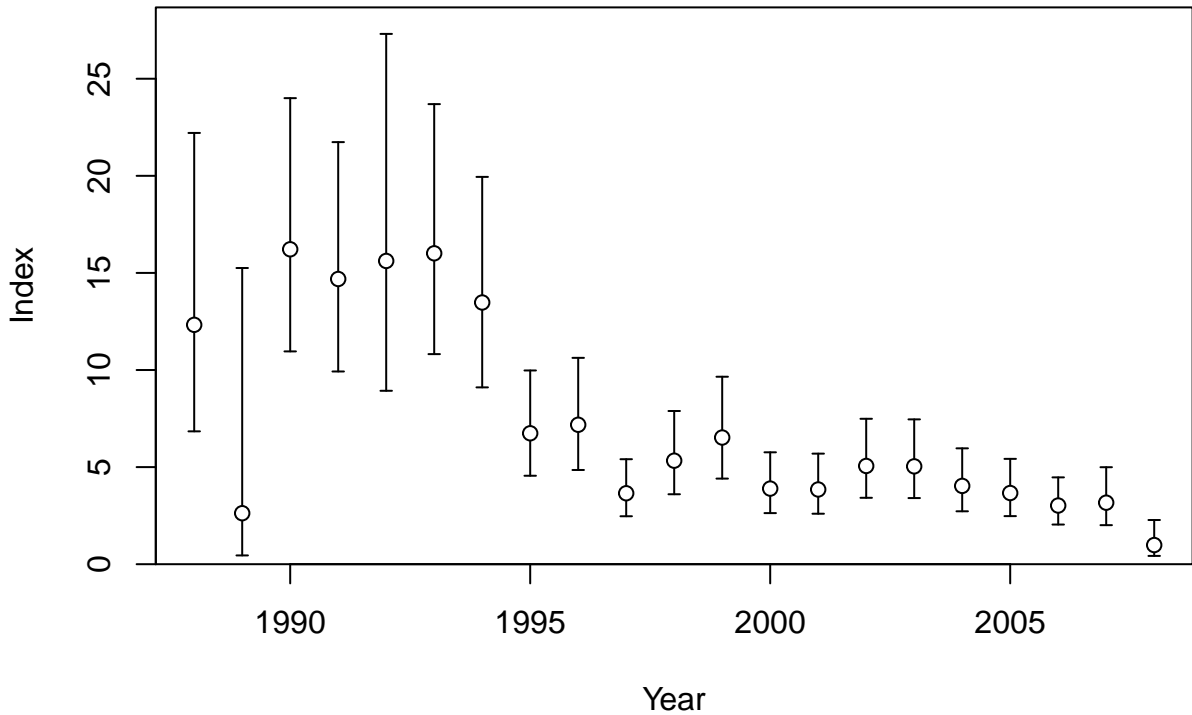


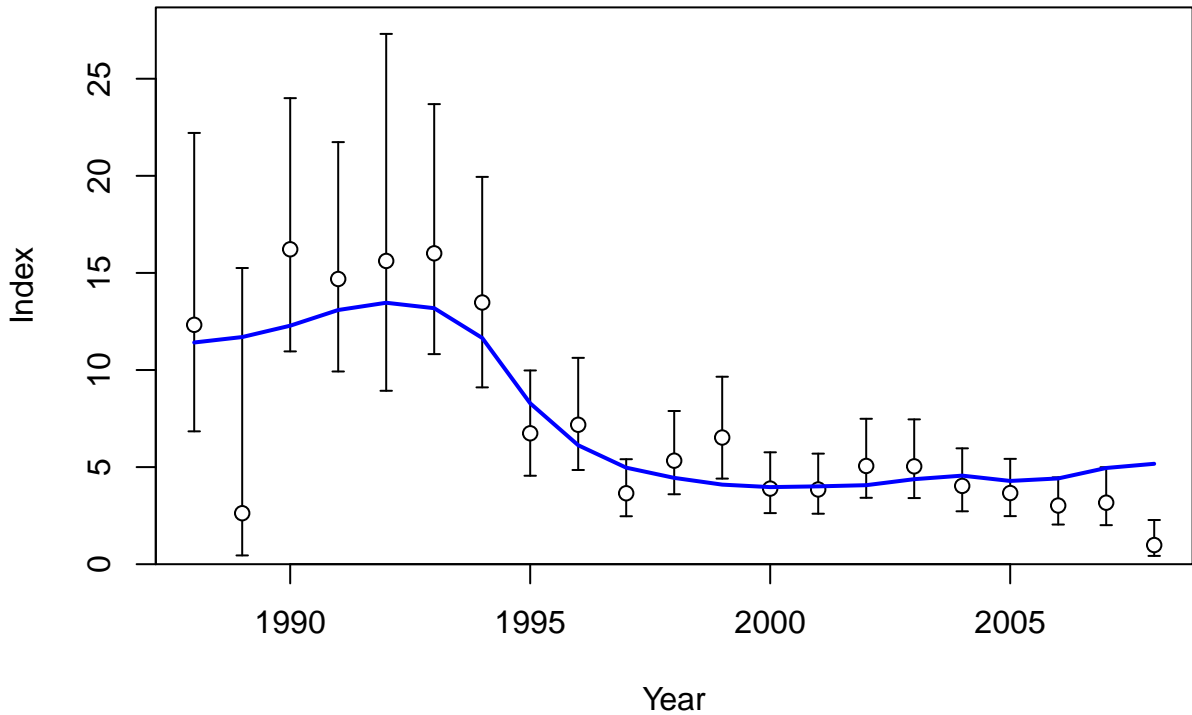


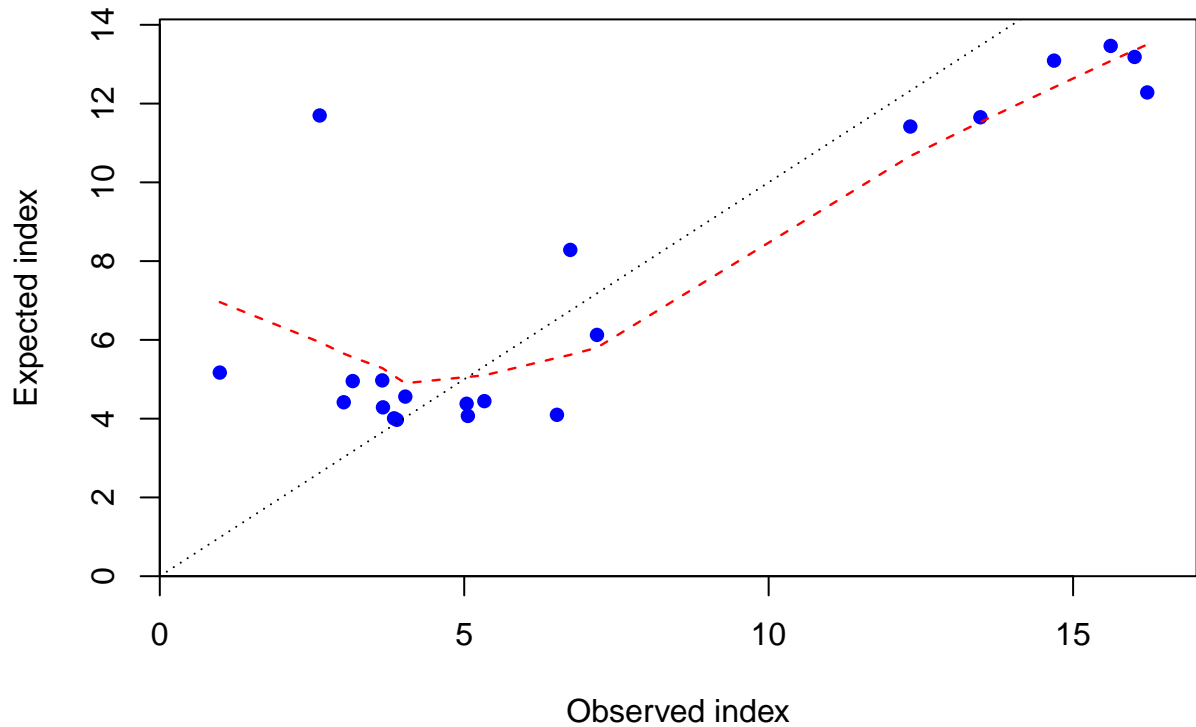


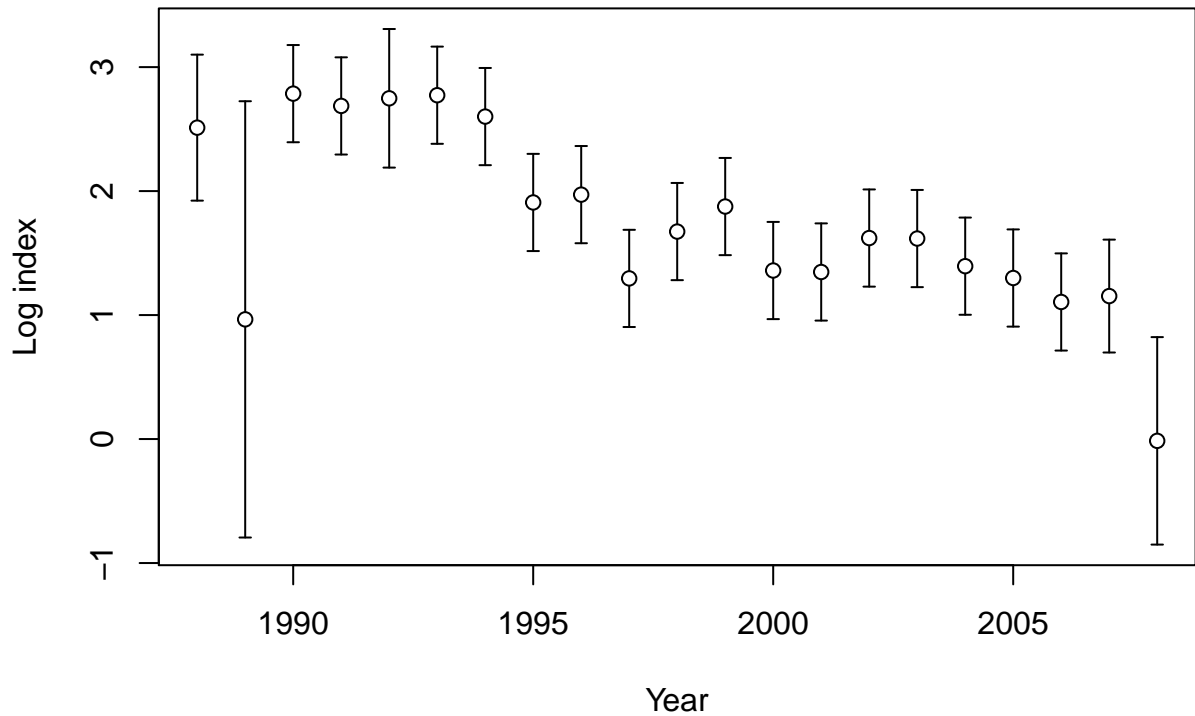


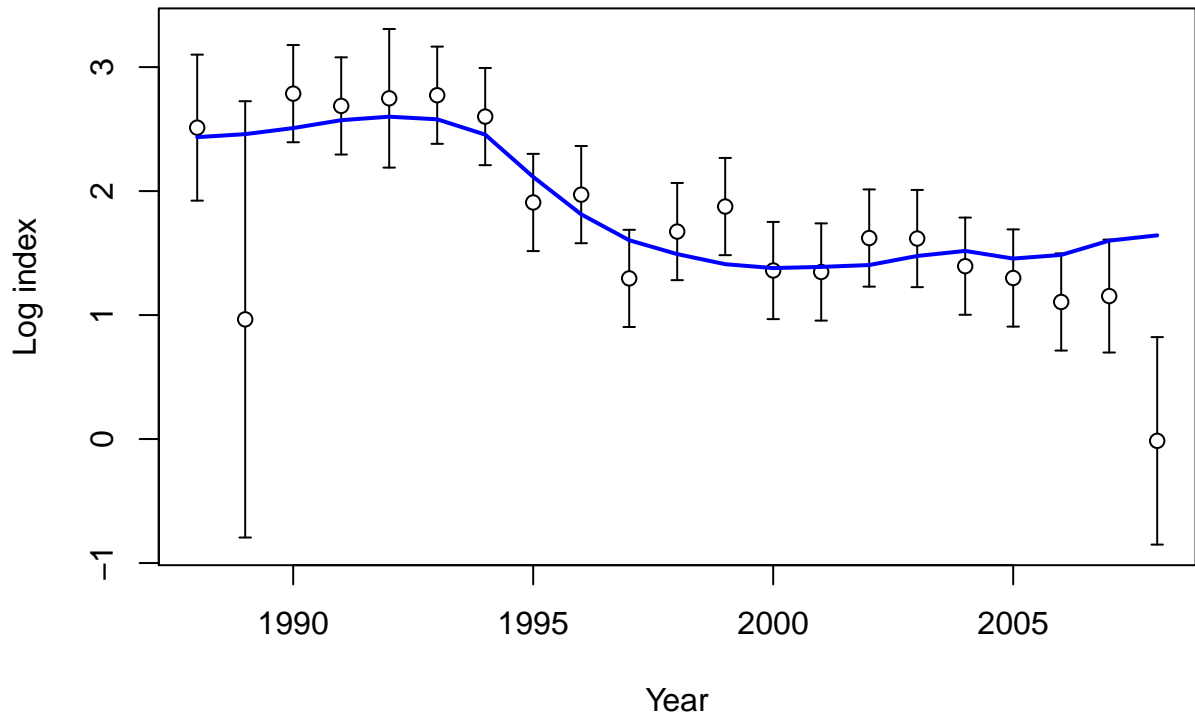


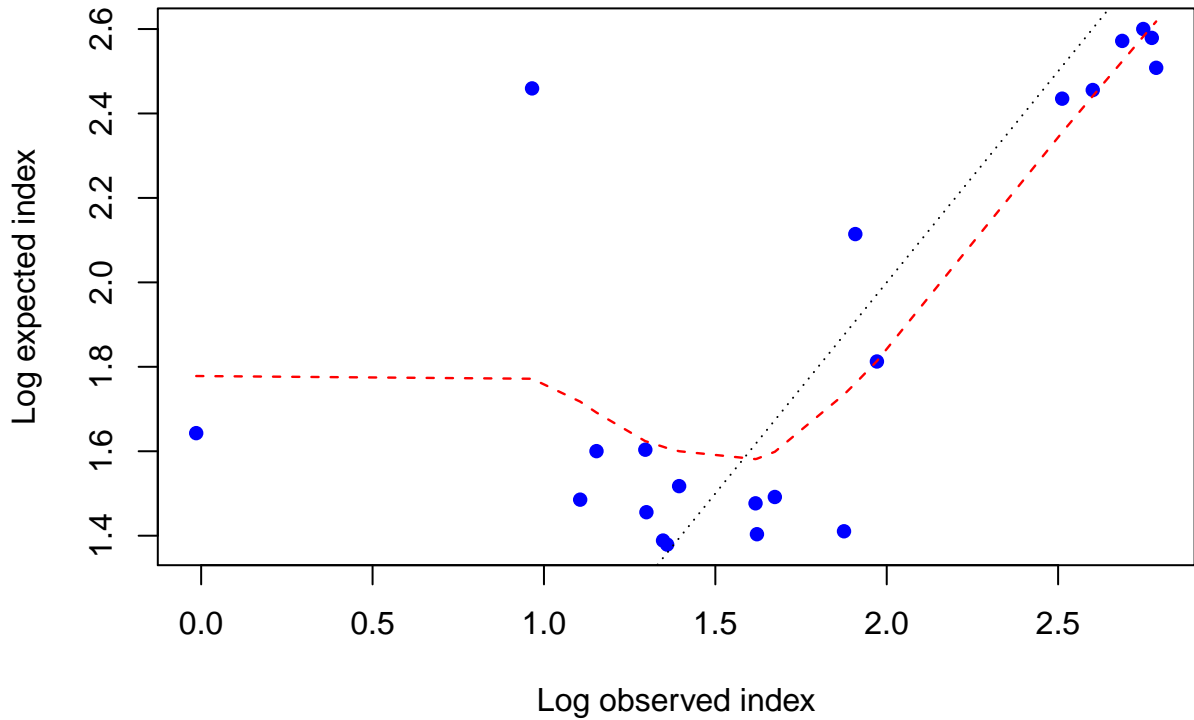


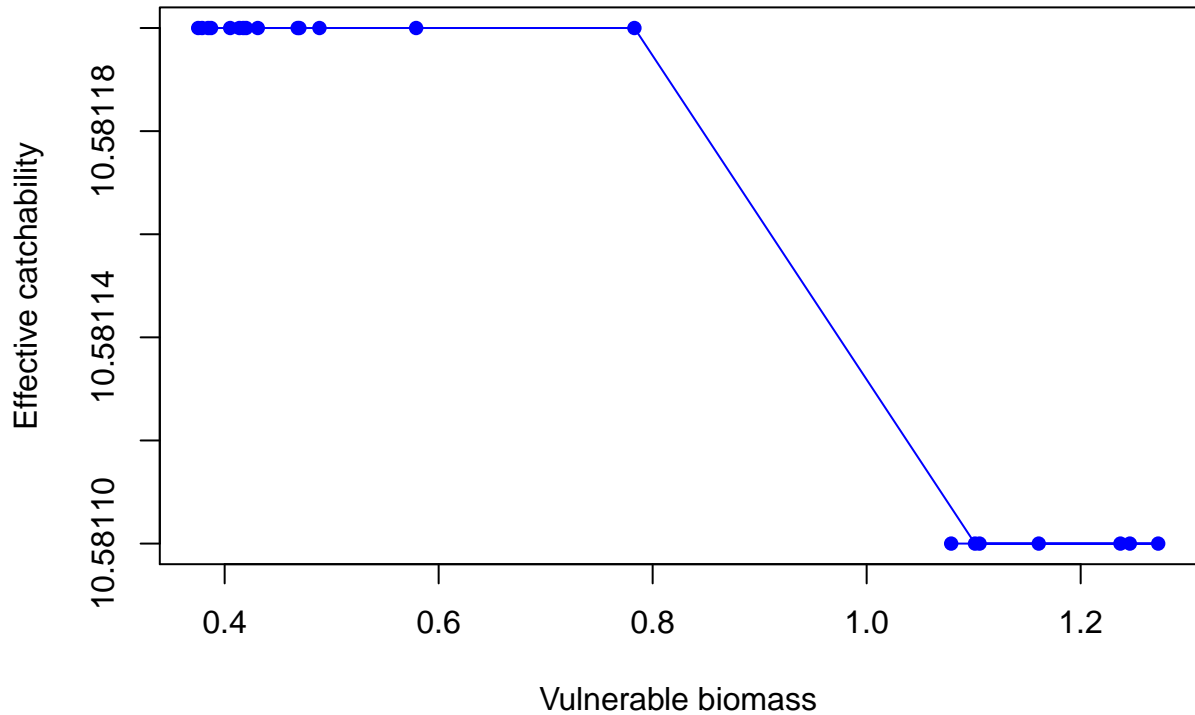




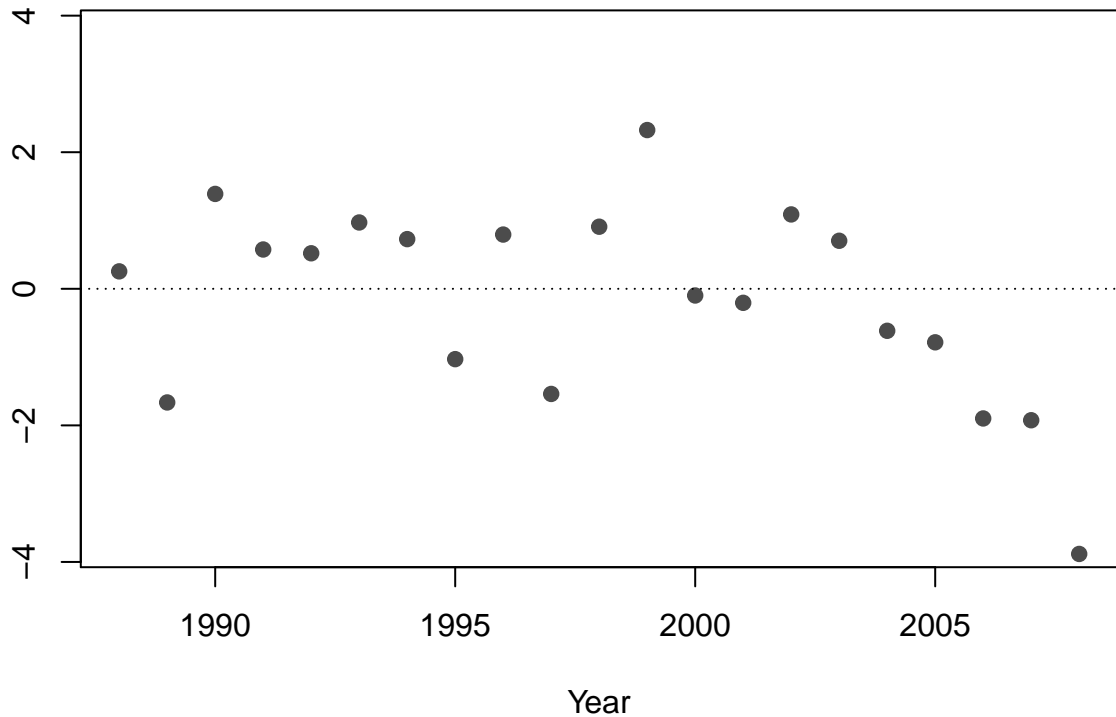


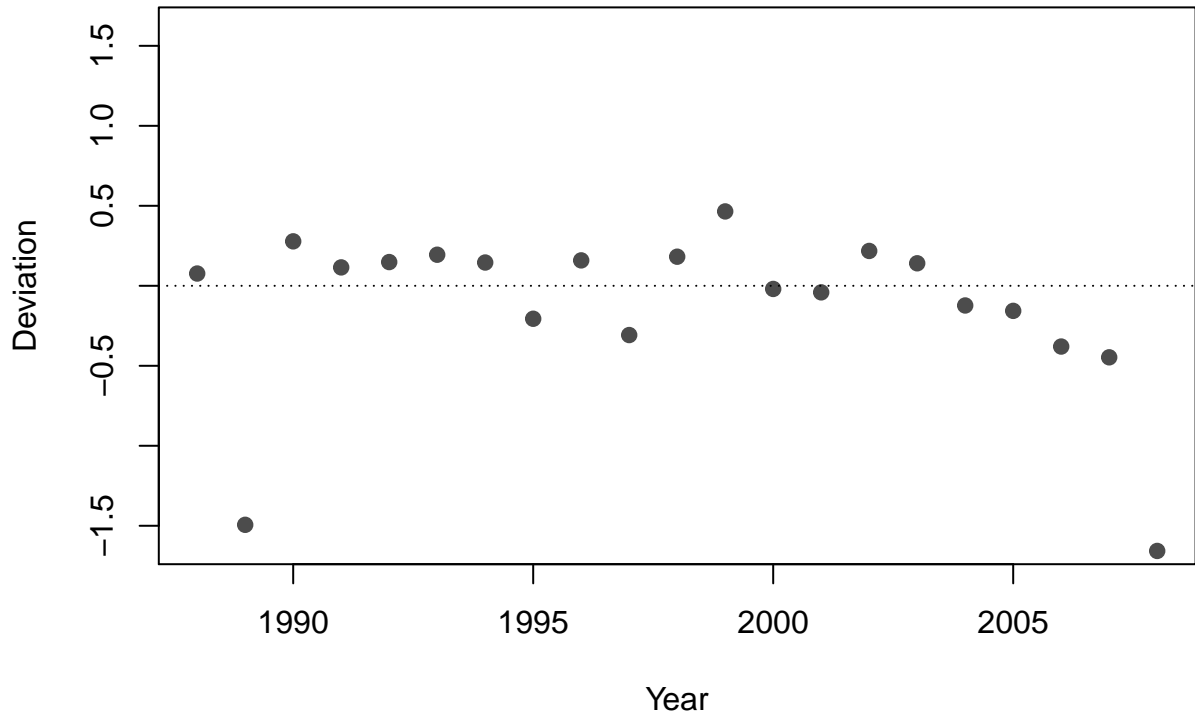


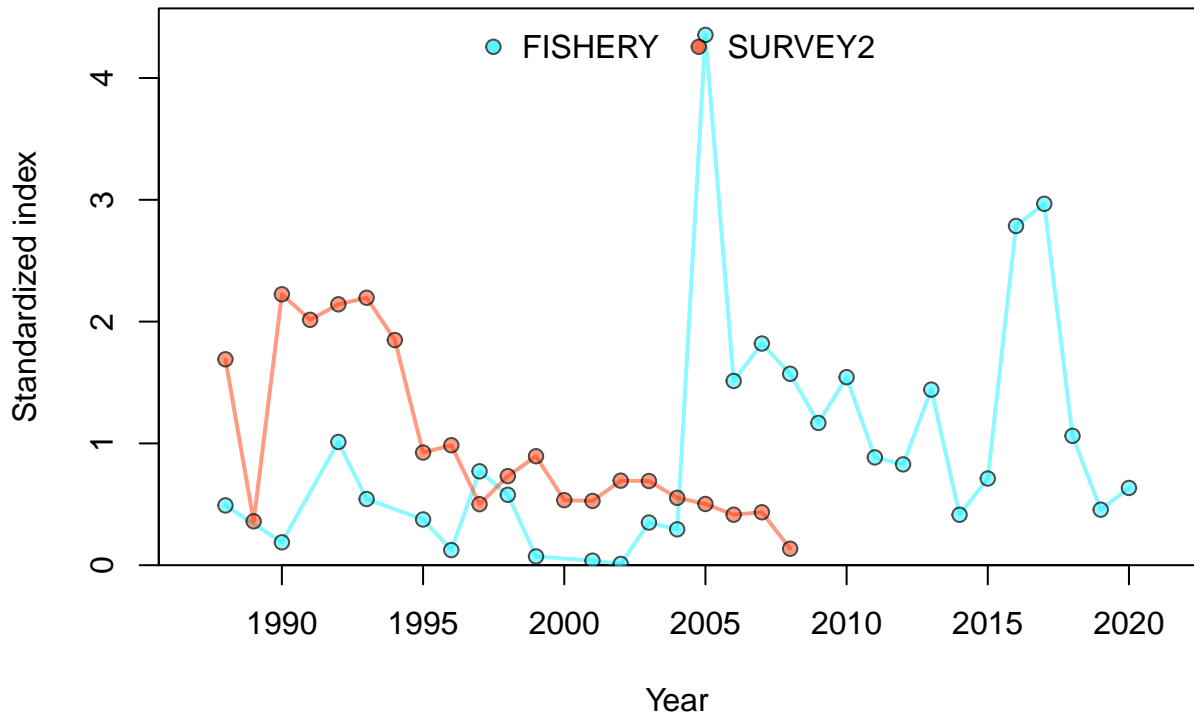


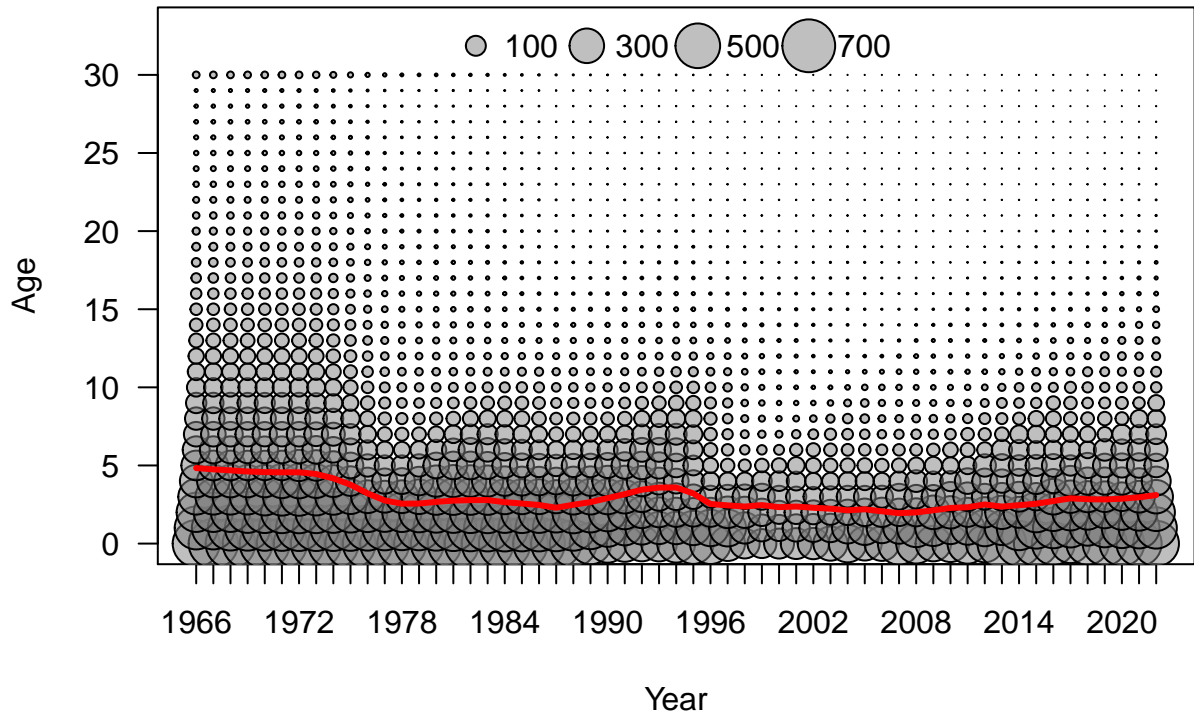


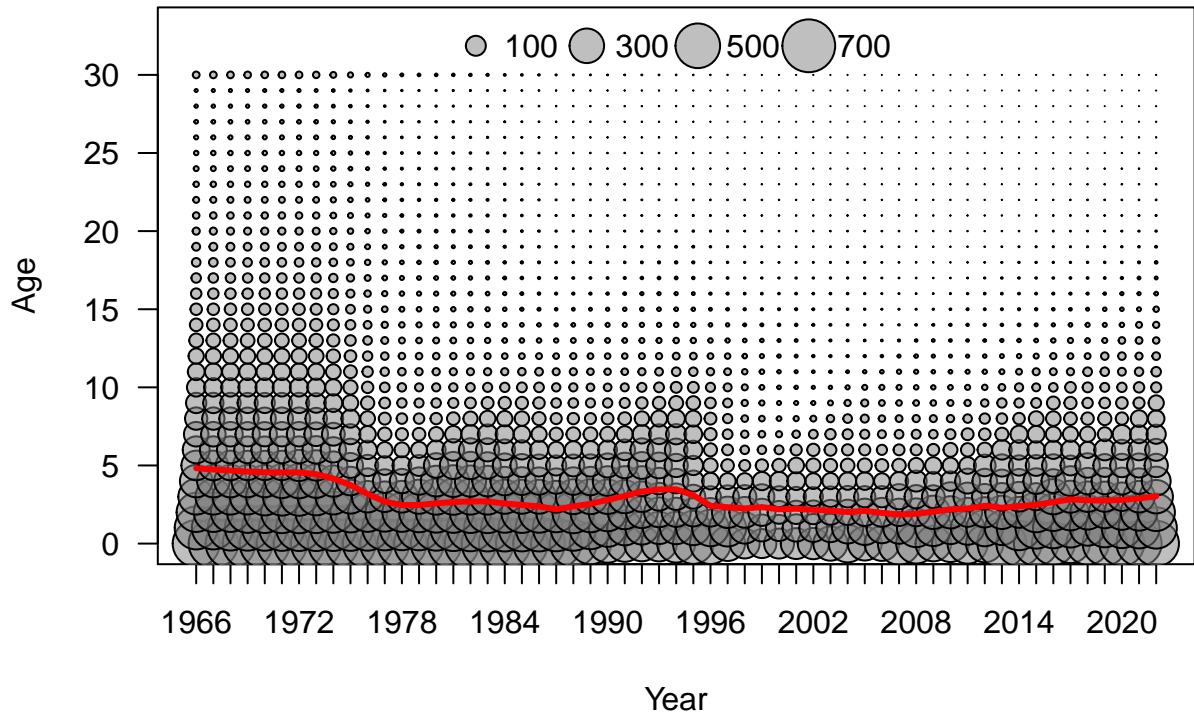
Residual

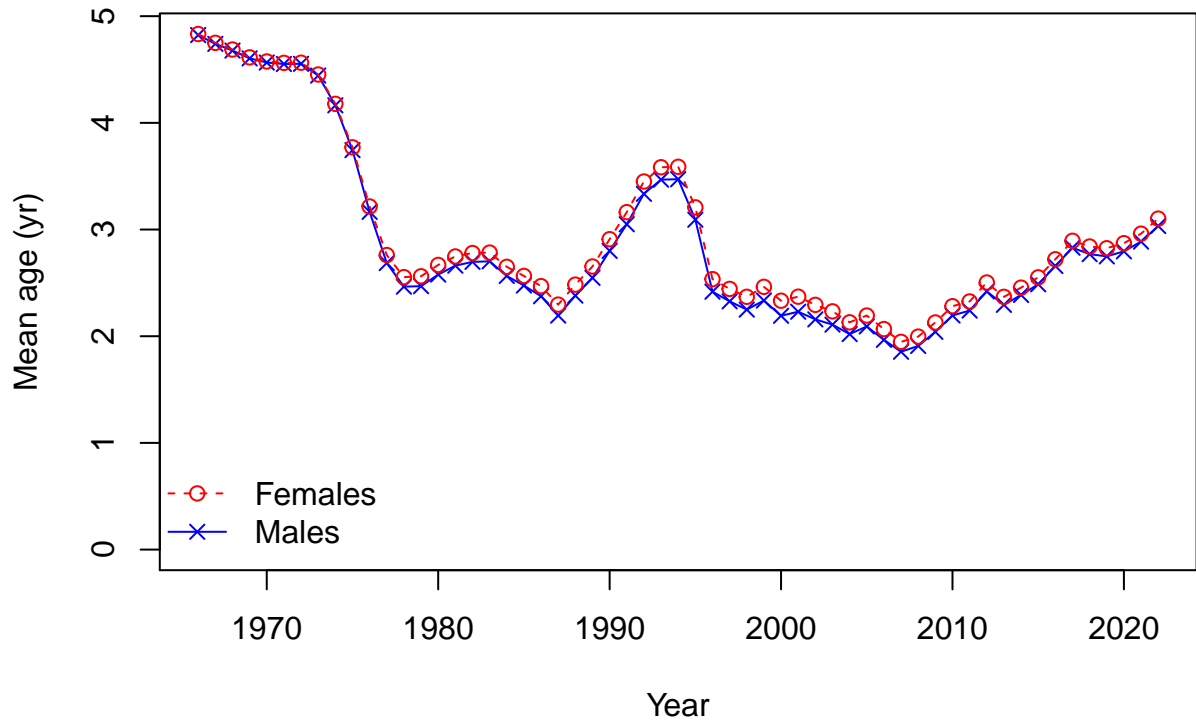


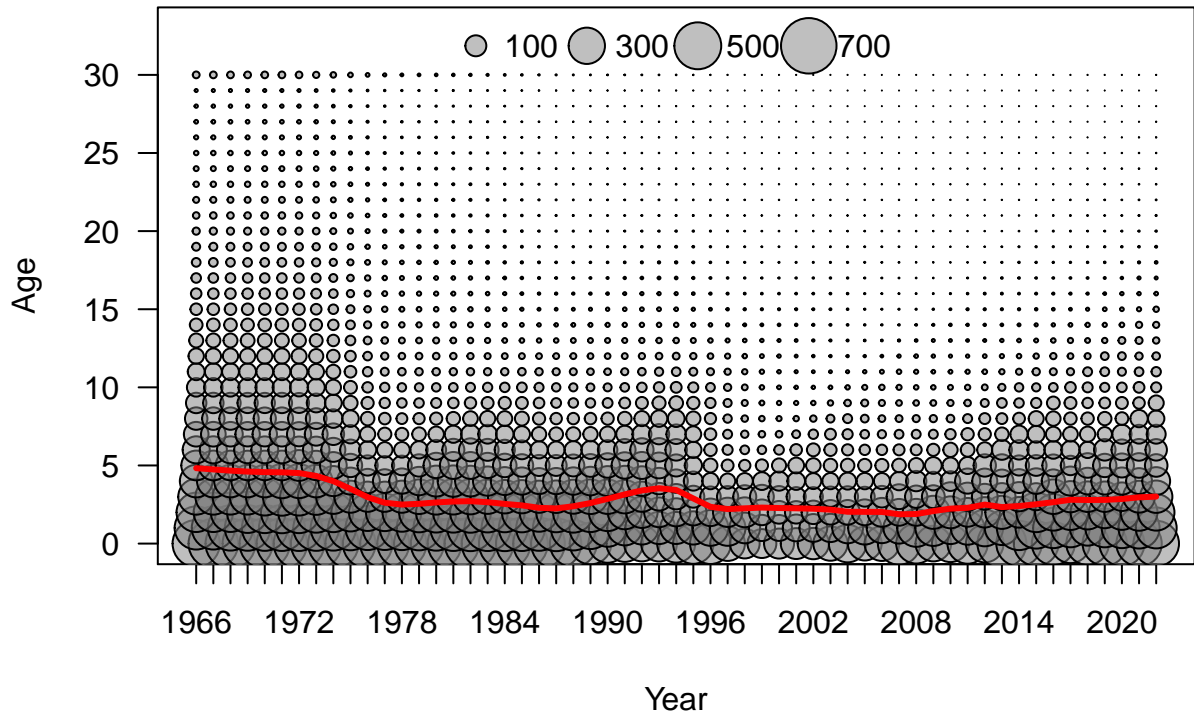


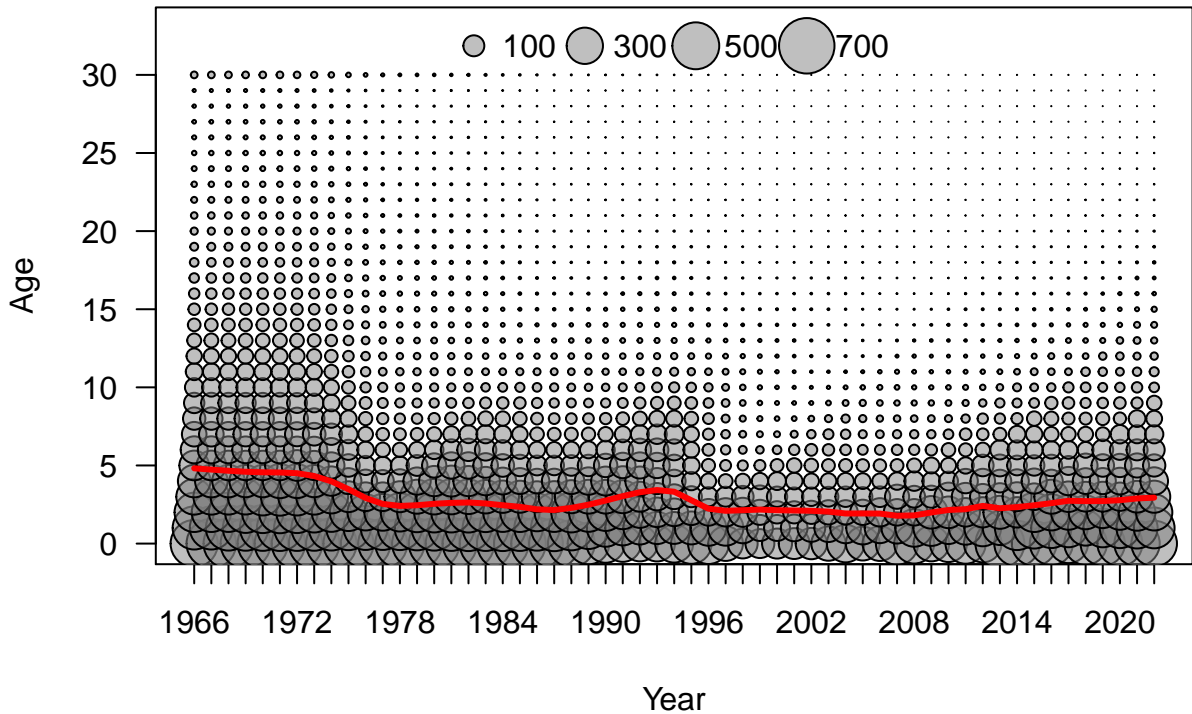




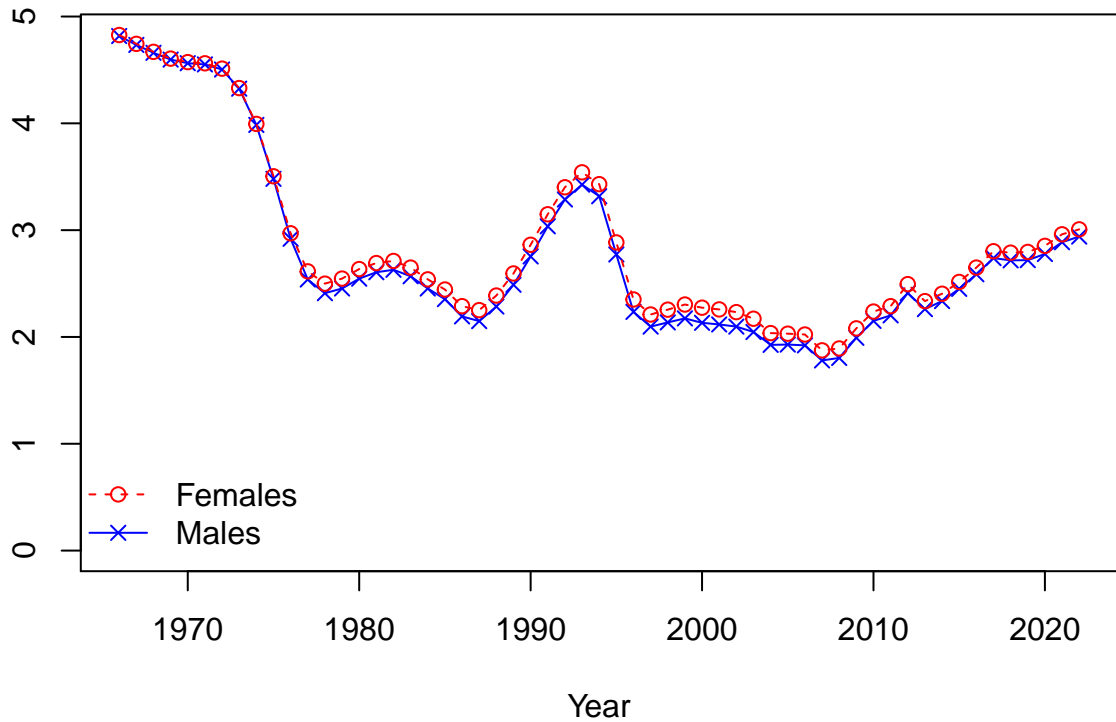


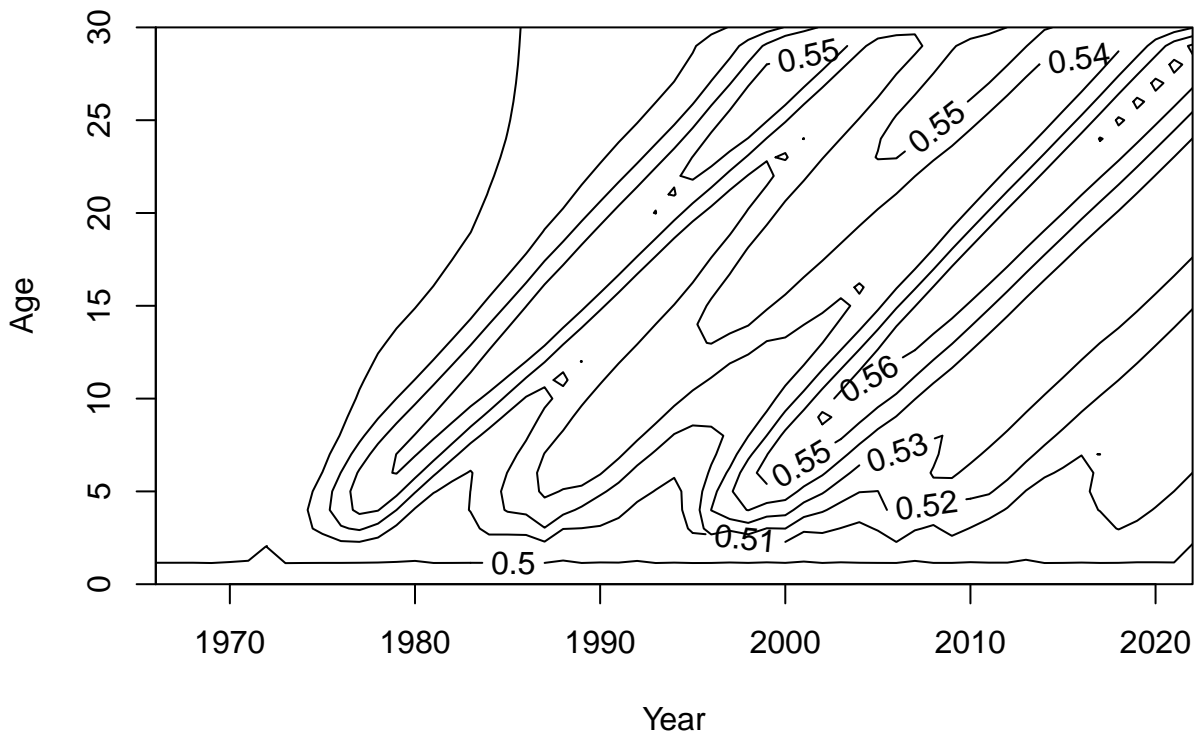


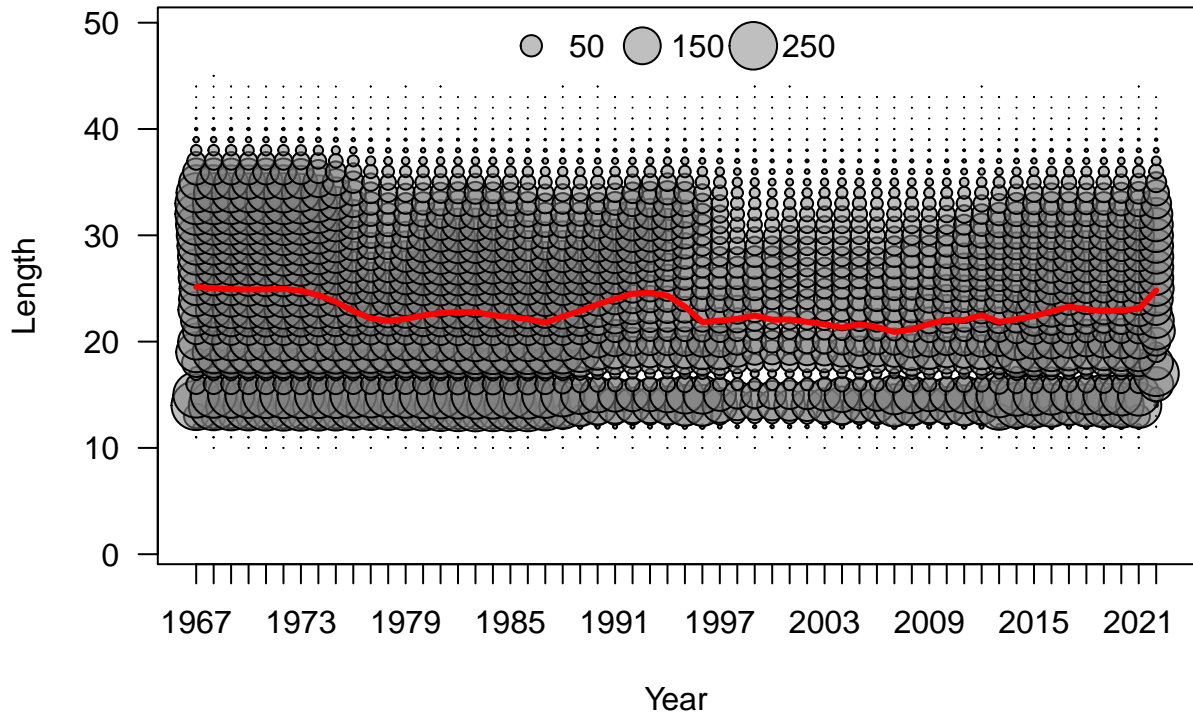


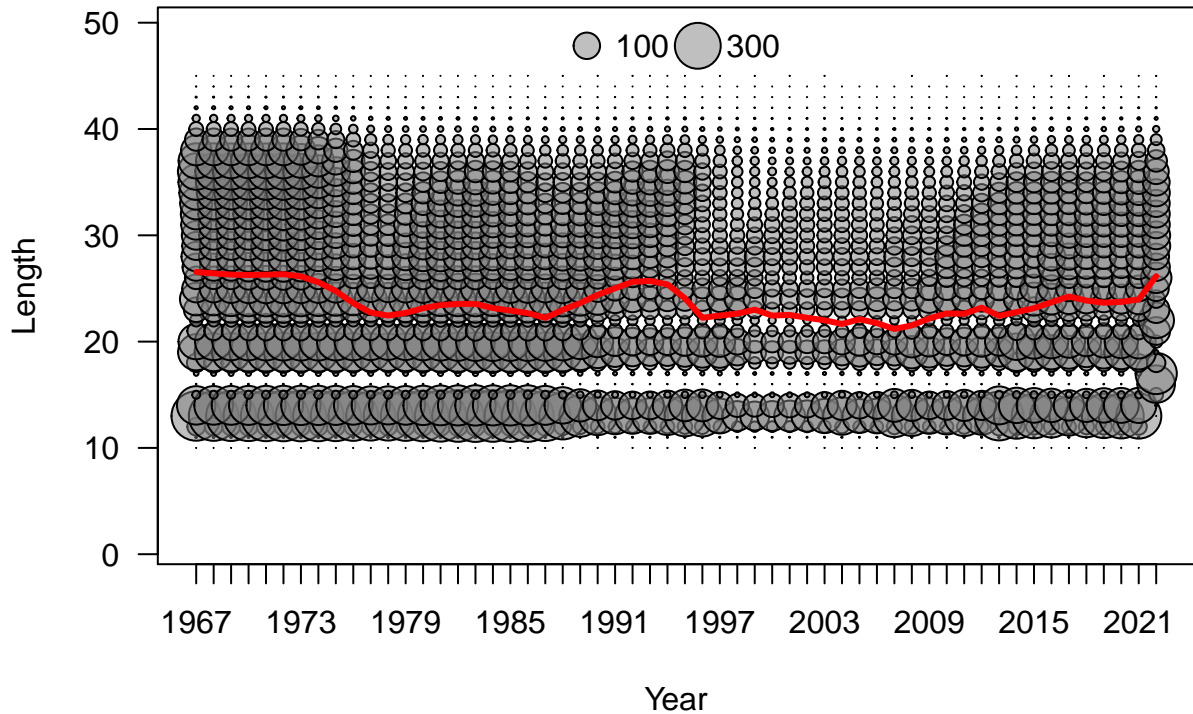


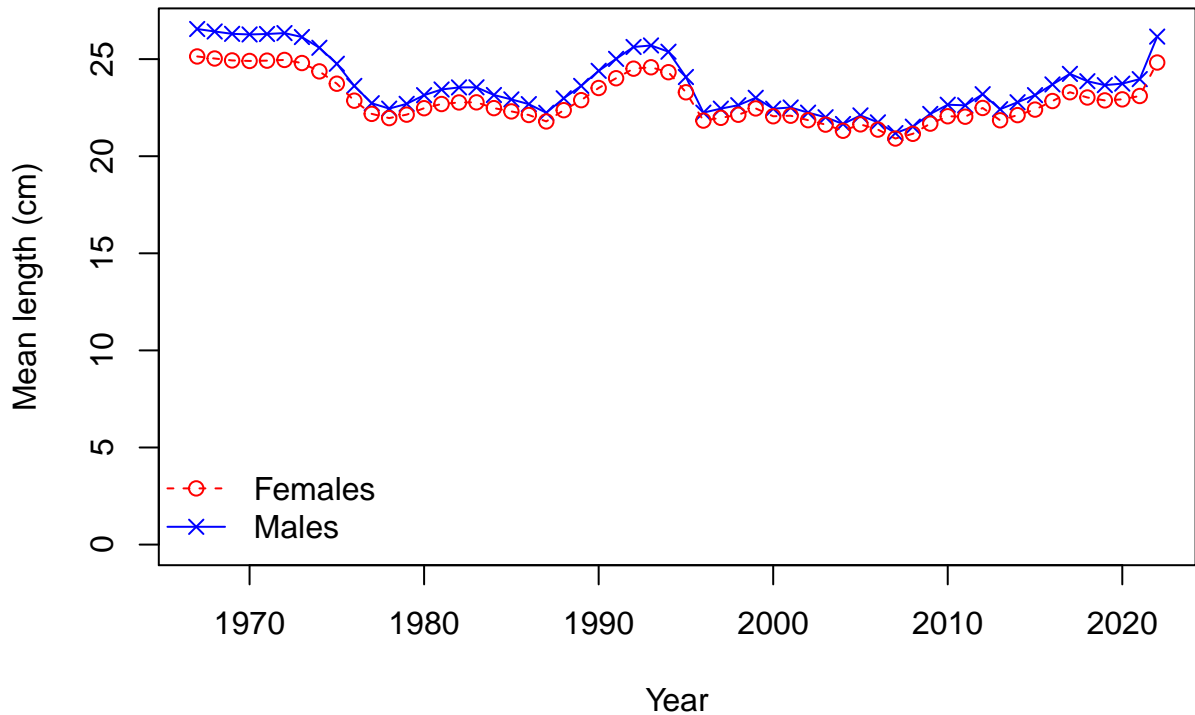
Mean age (yr)

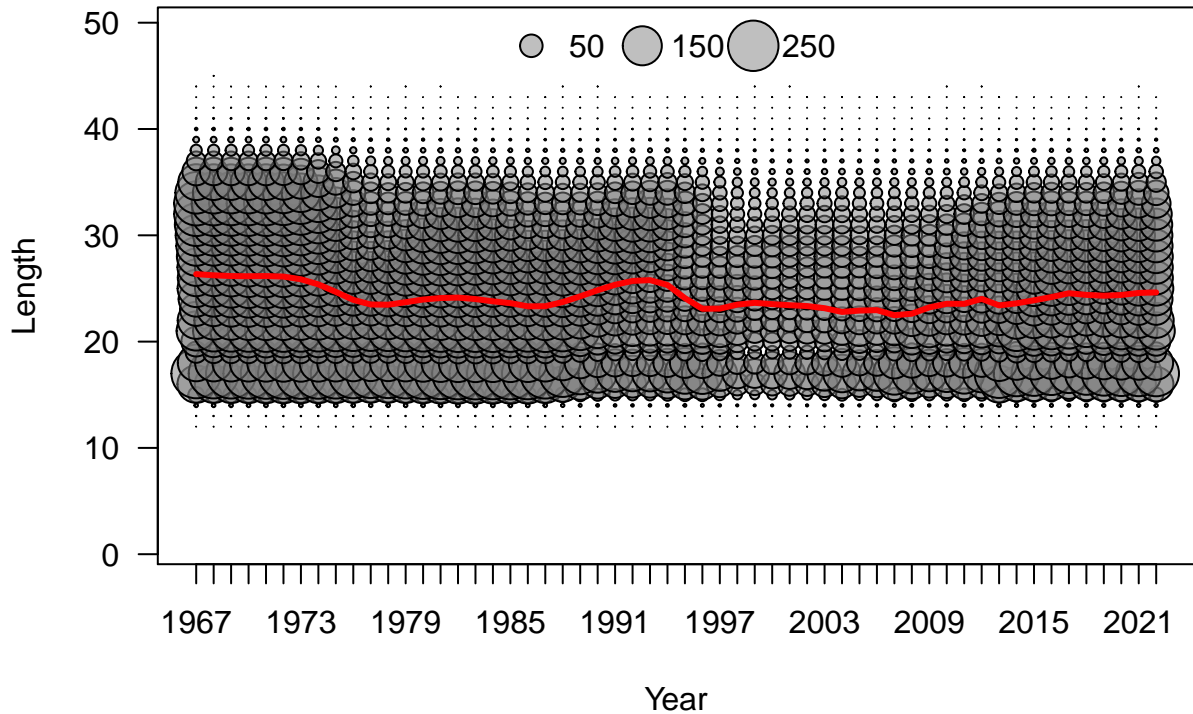


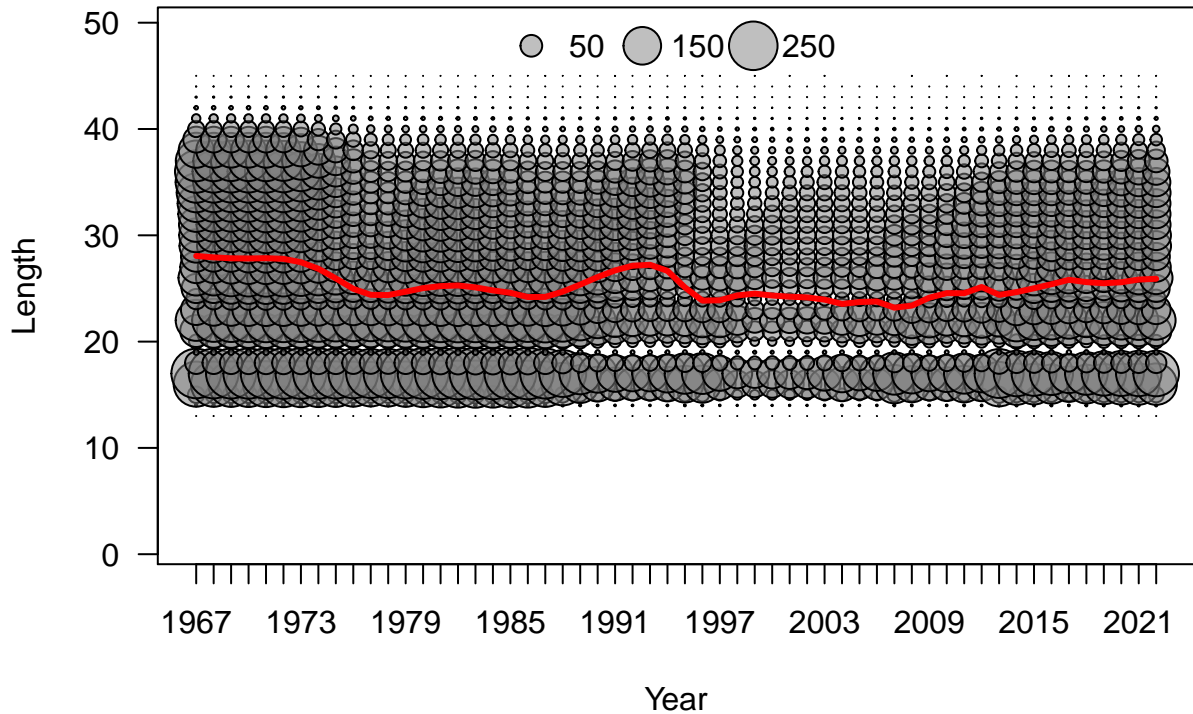


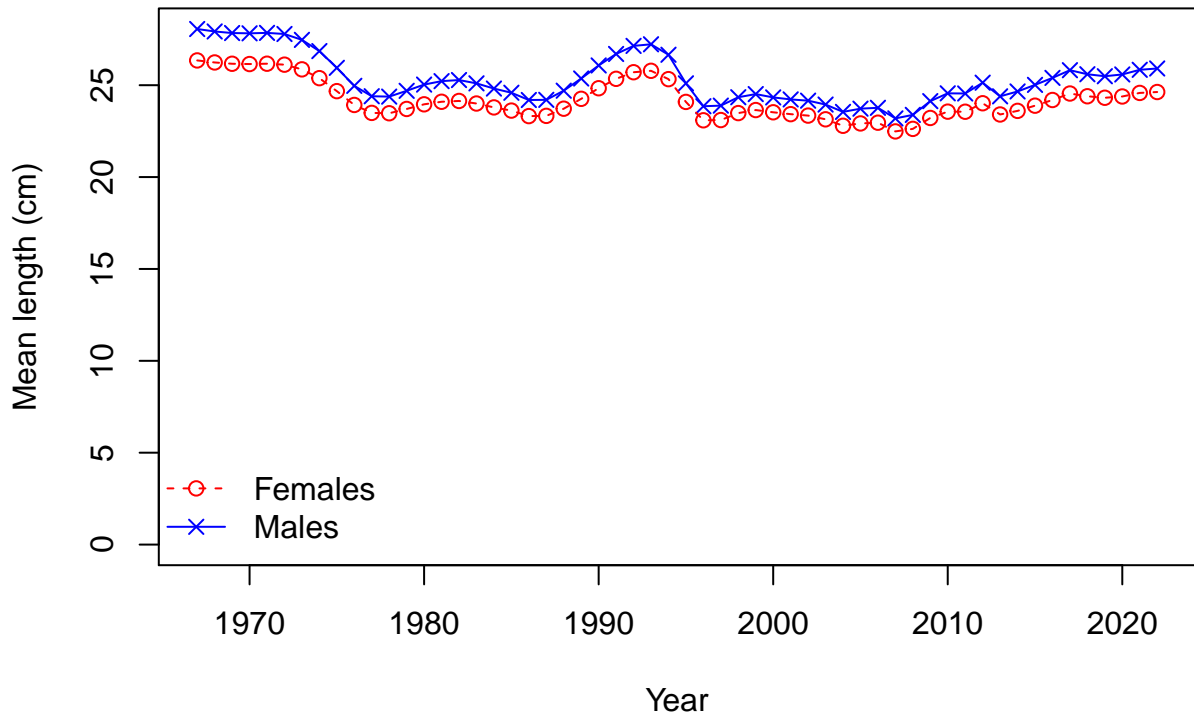


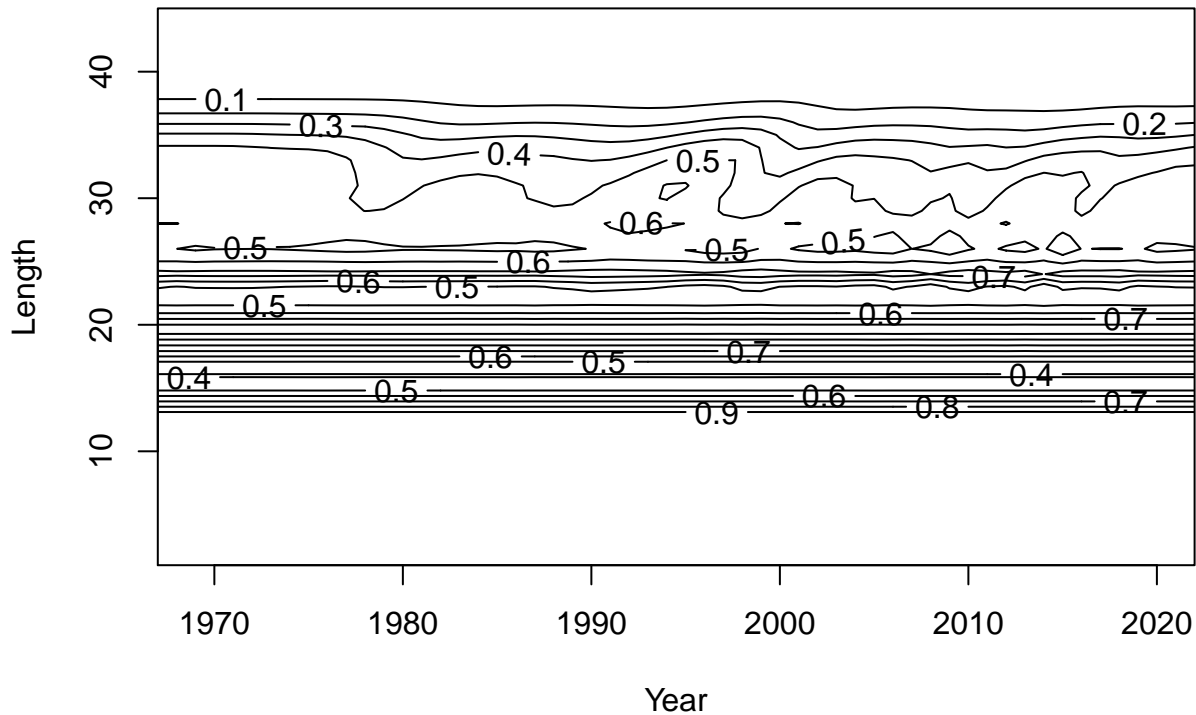


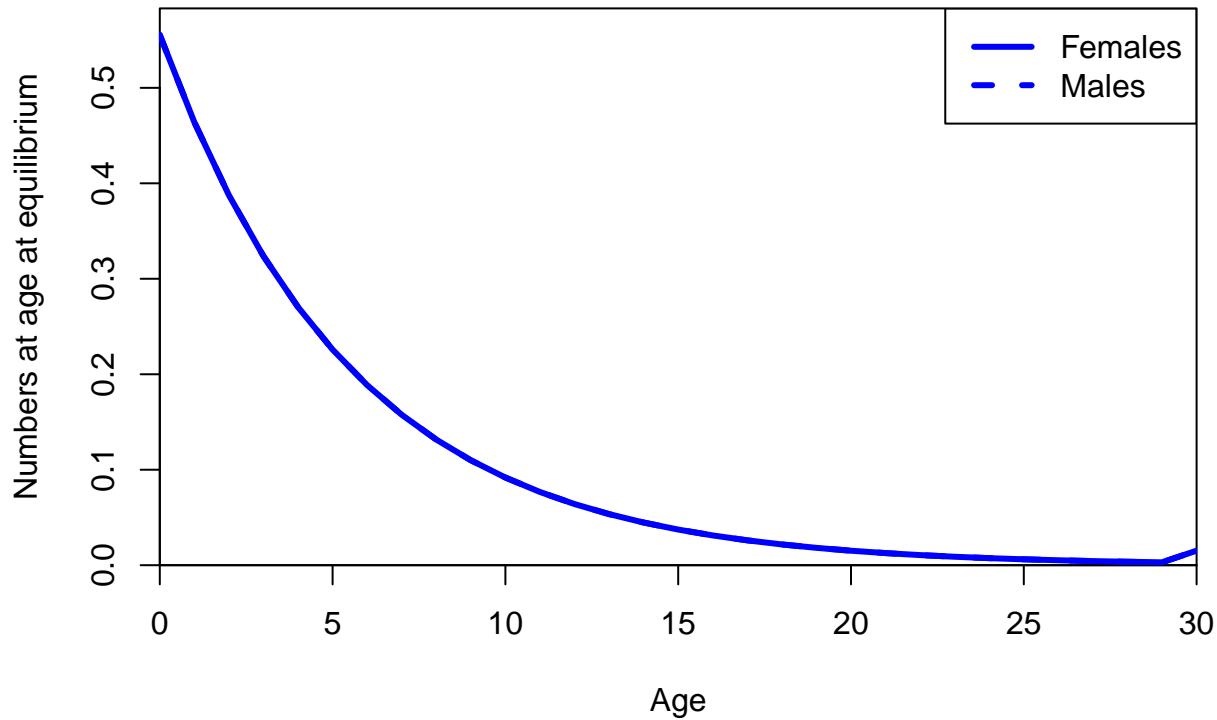


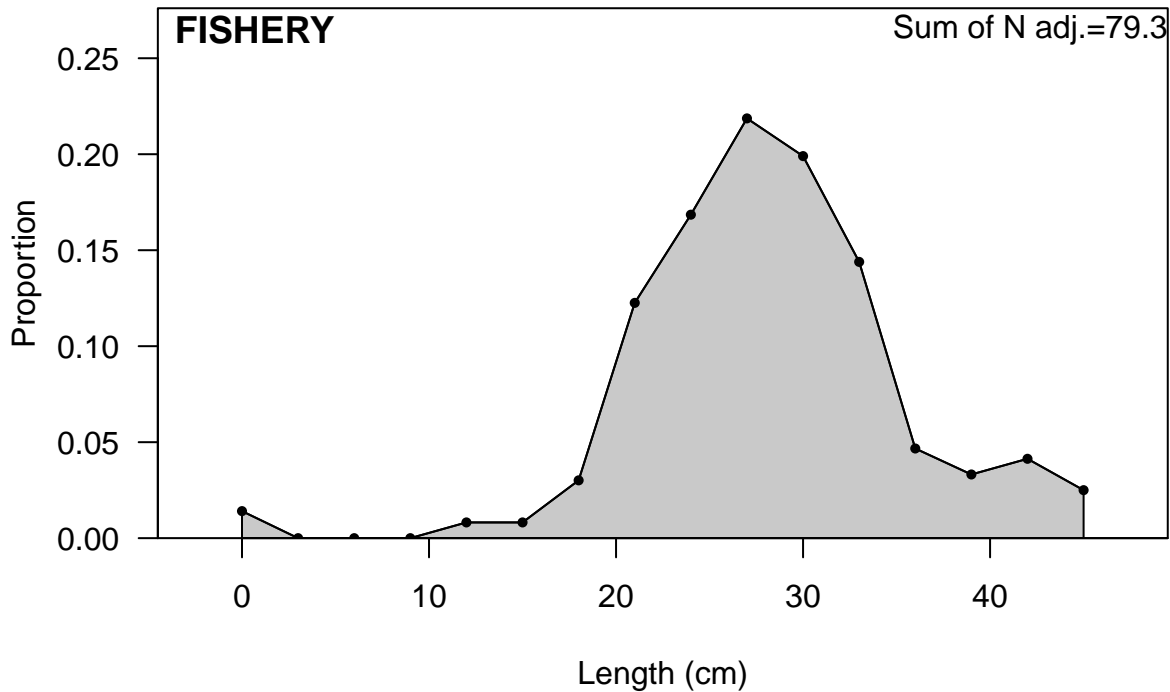


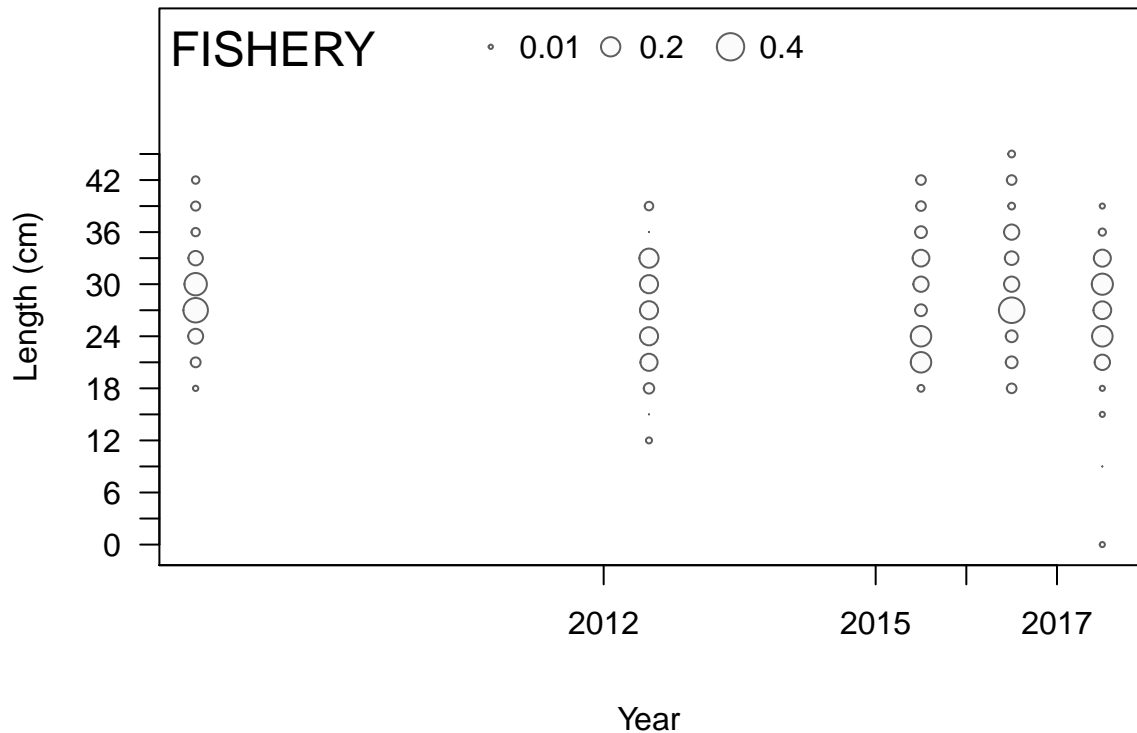




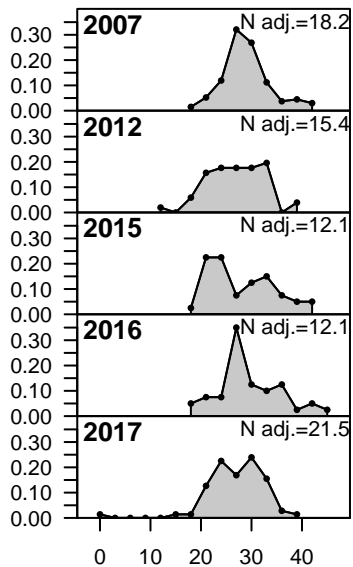




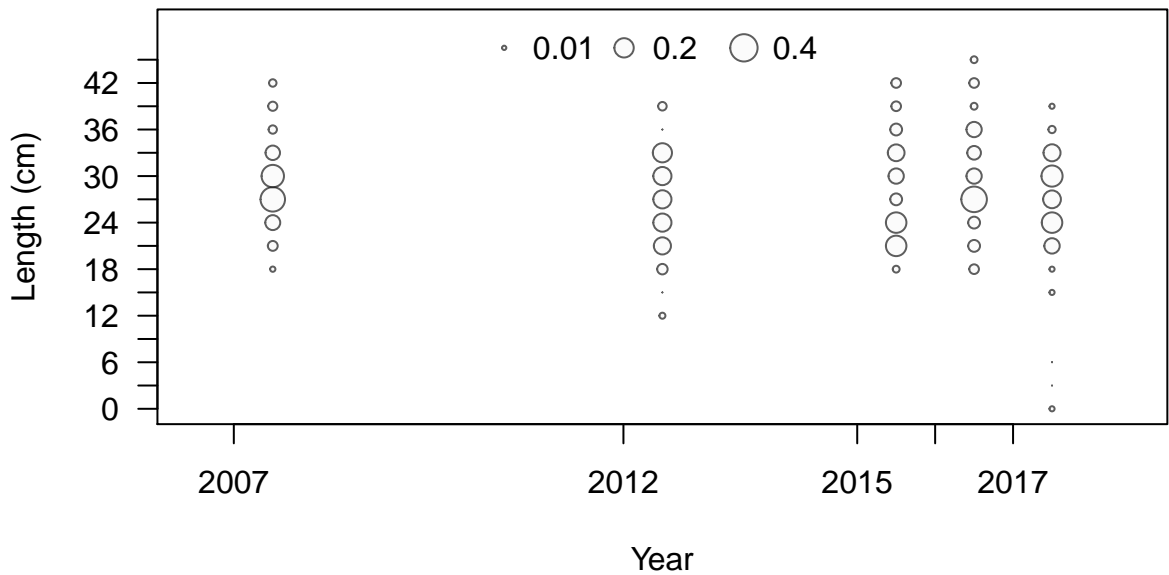




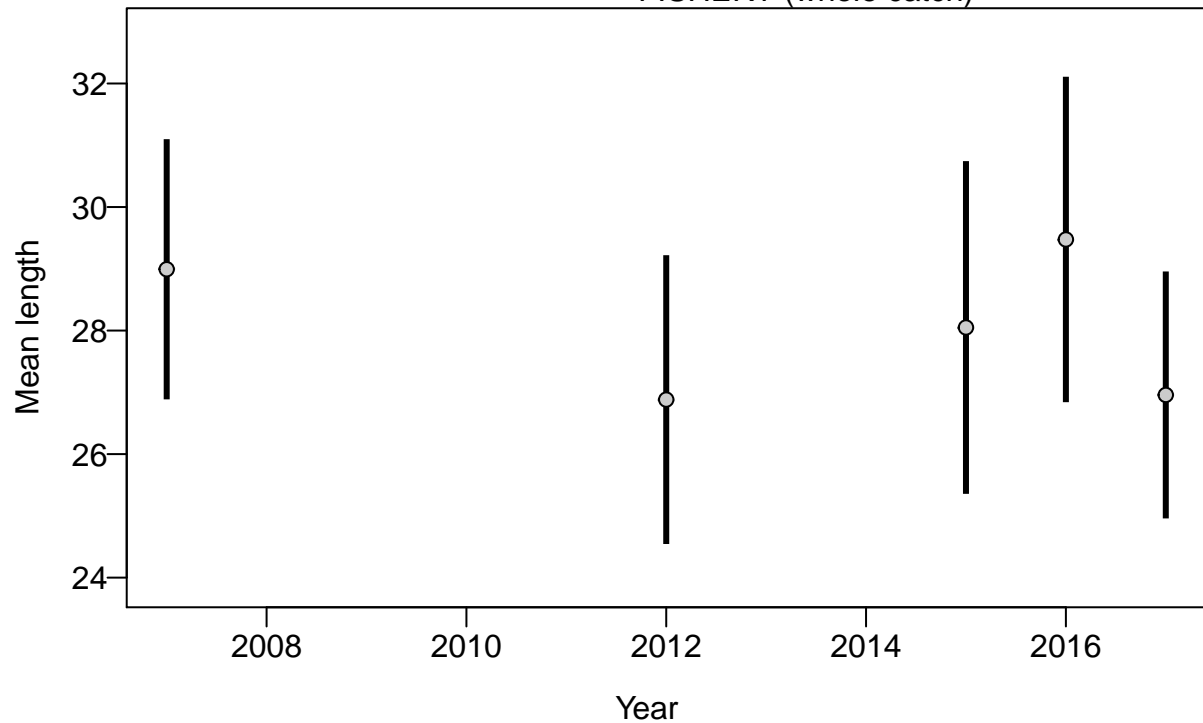
Proportion



Length (cm)

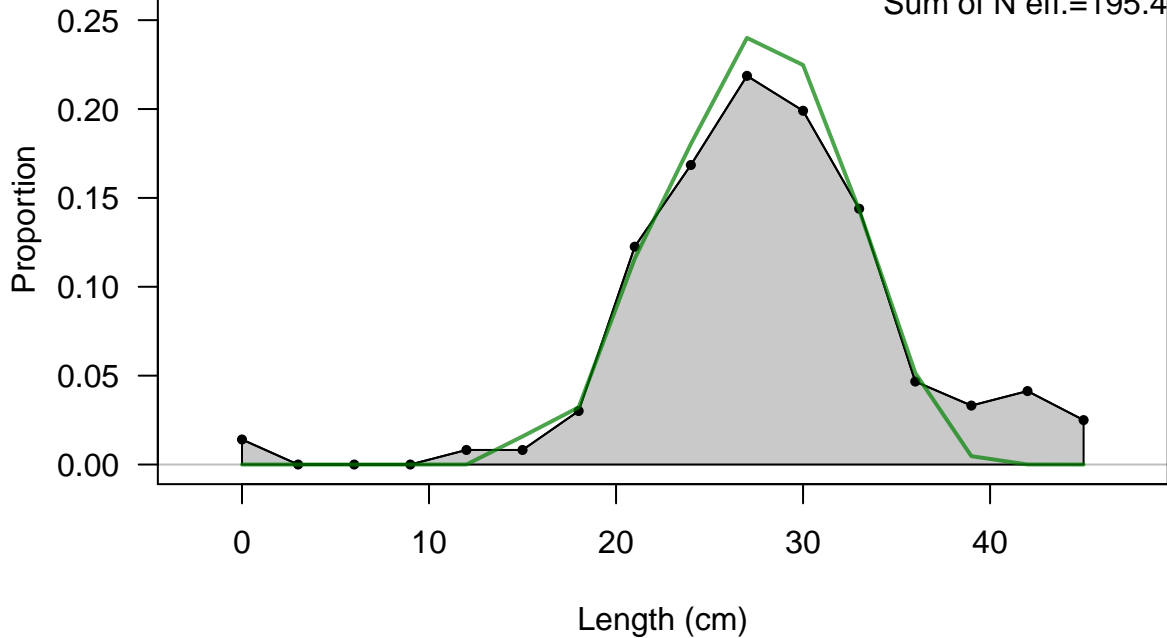


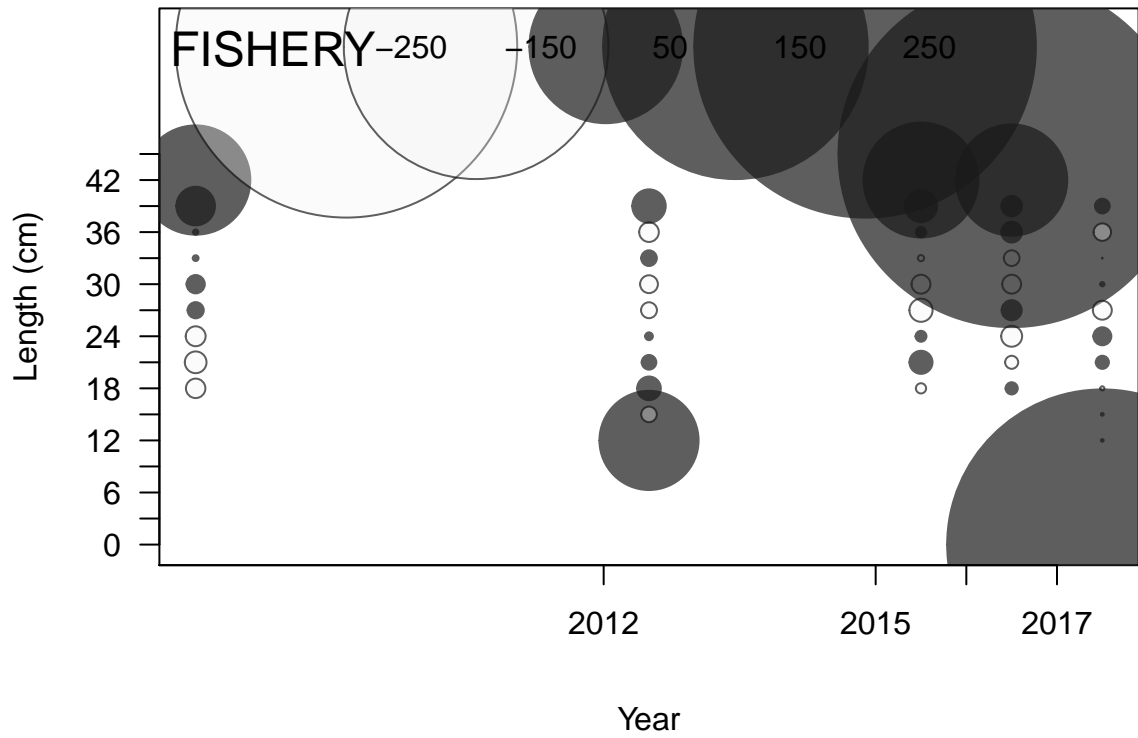
FISHERY (whole catch)



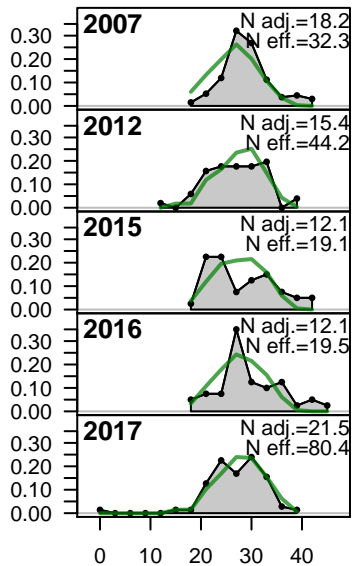
FISHERY

Sum of N adj.=79.3
Sum of N eff.=195.4

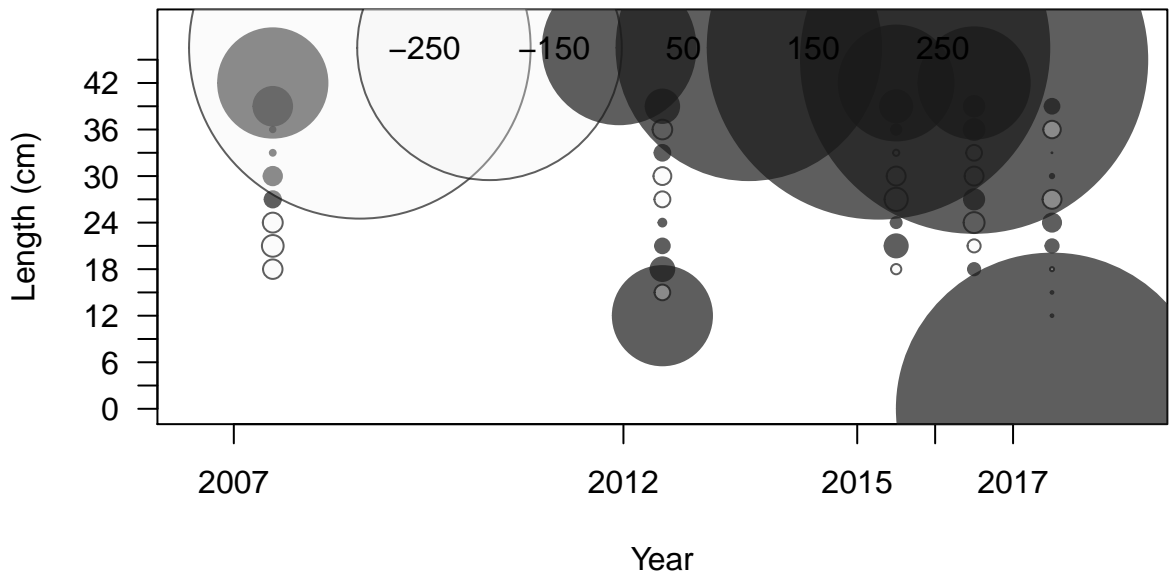




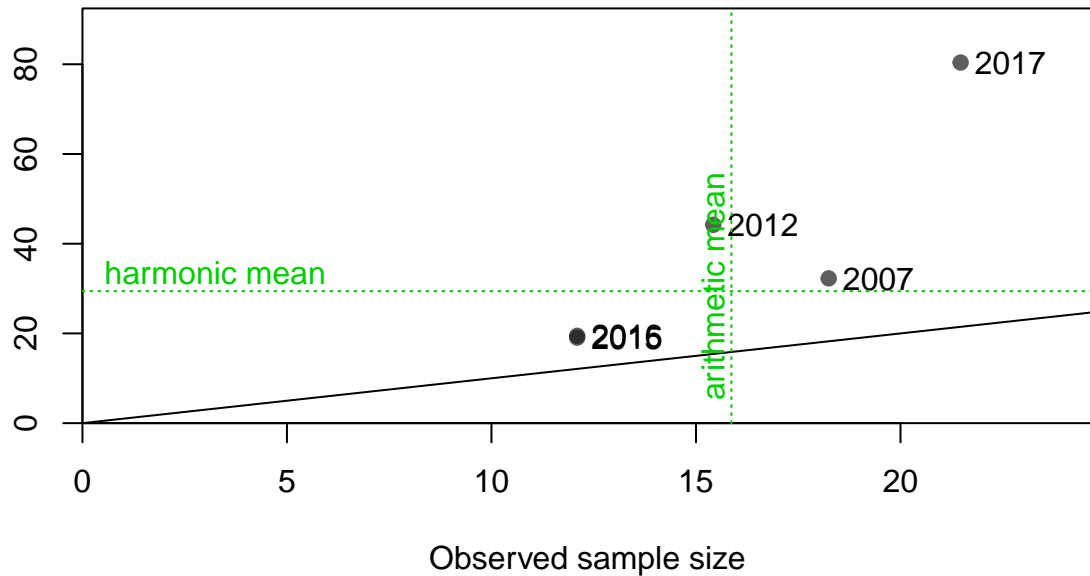
Proportion



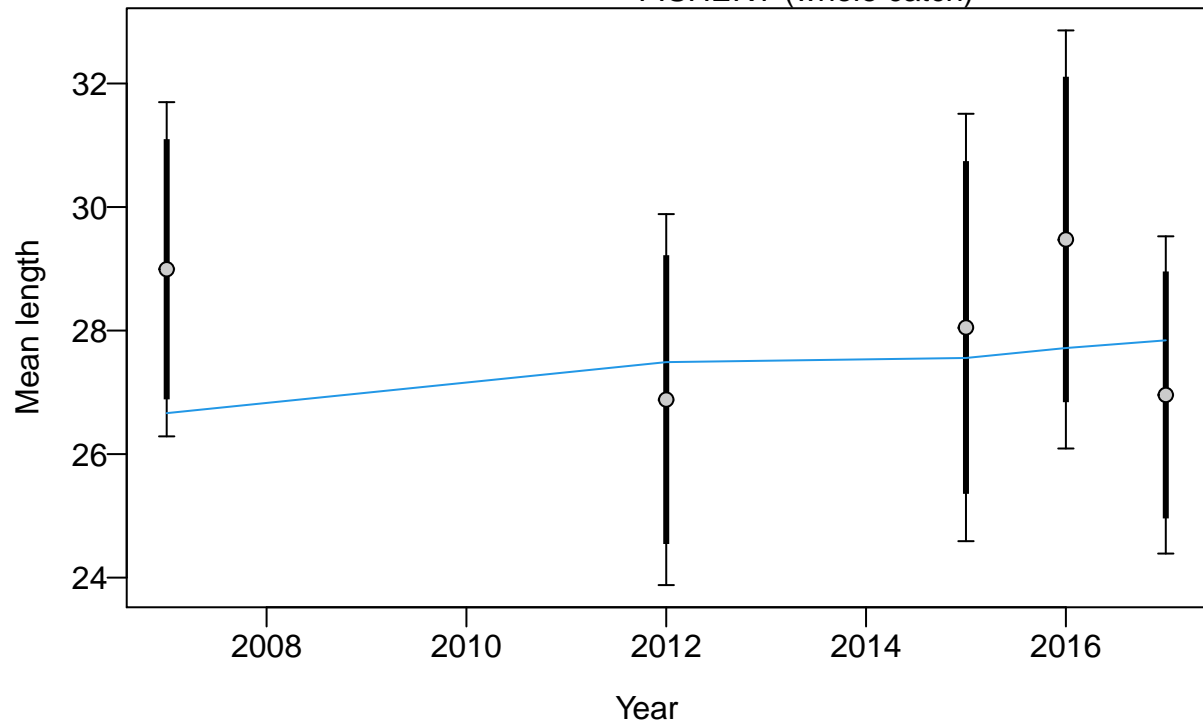
Length (cm)

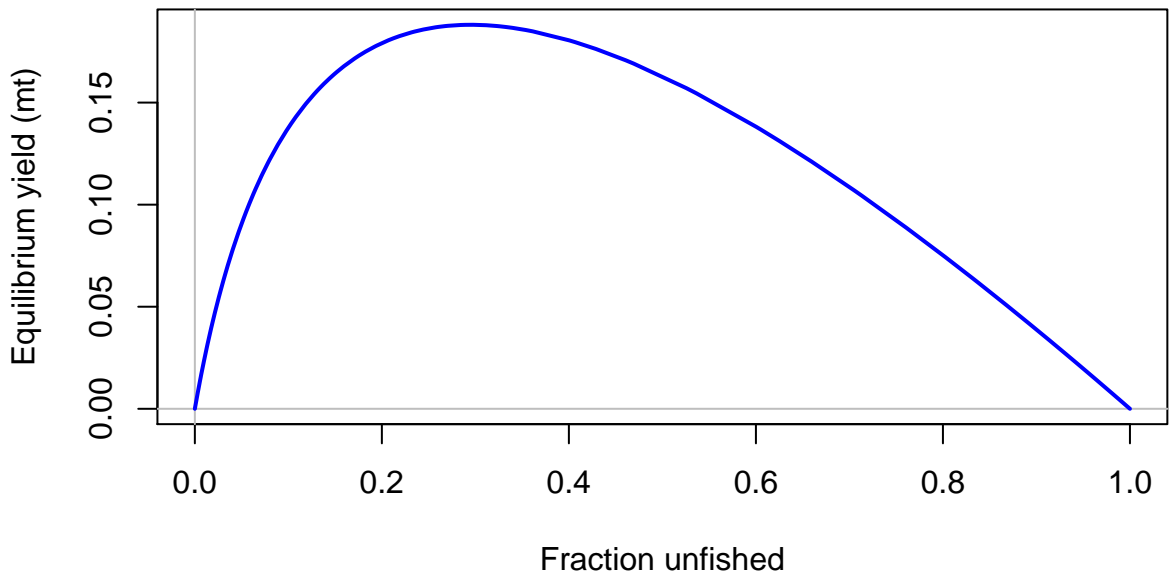


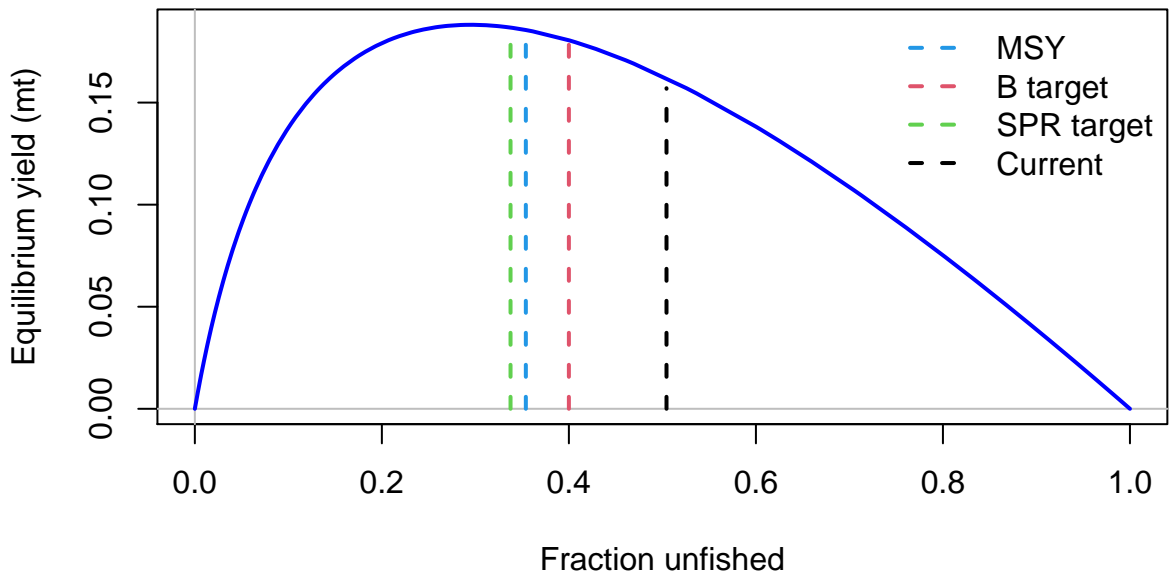
Effective sample size

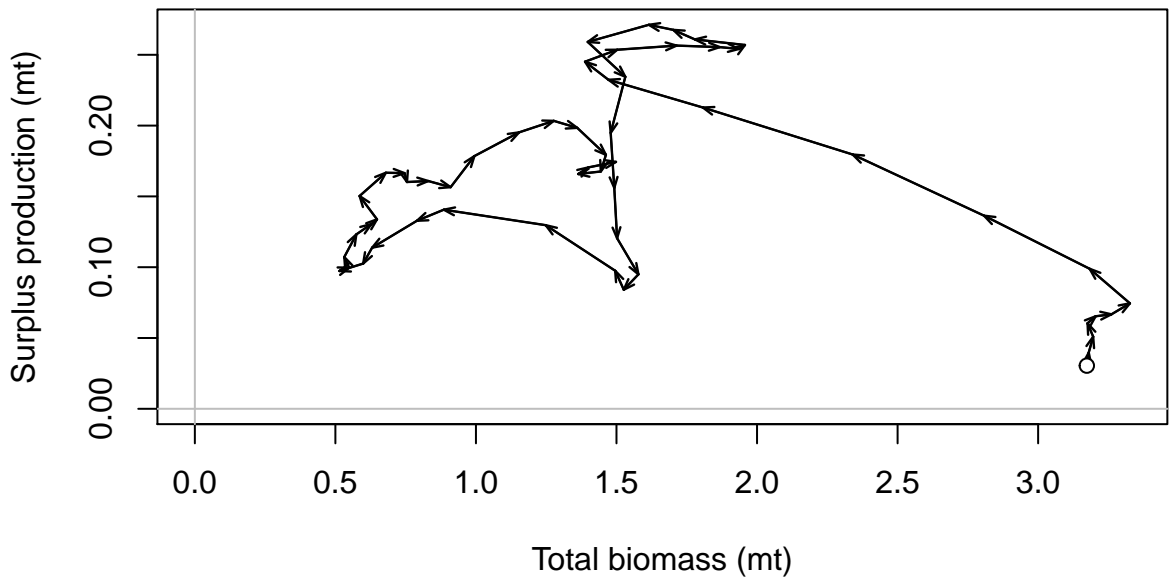


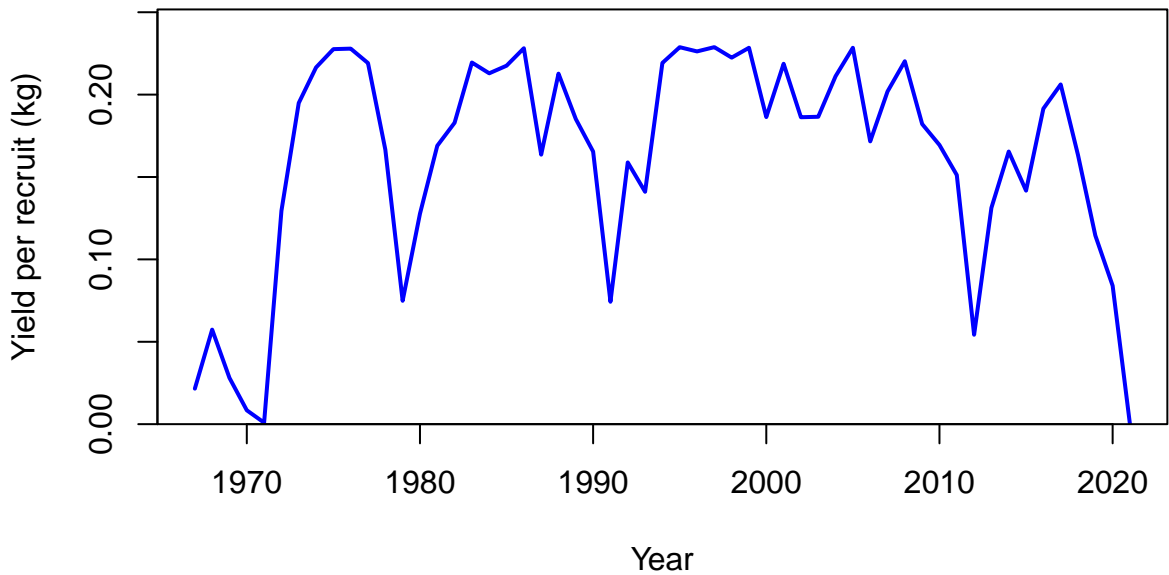
FISHERY (whole catch)

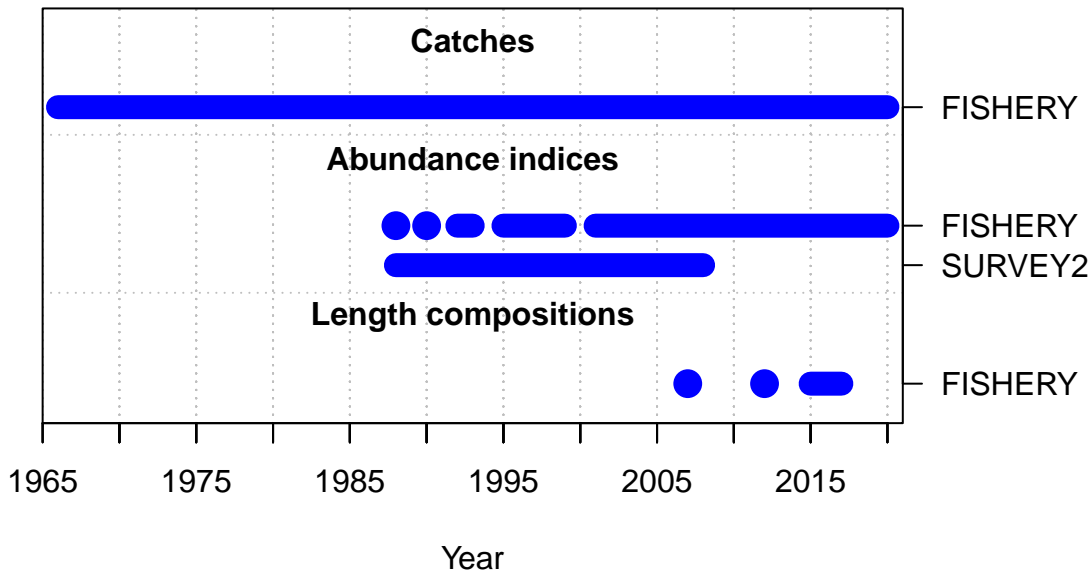


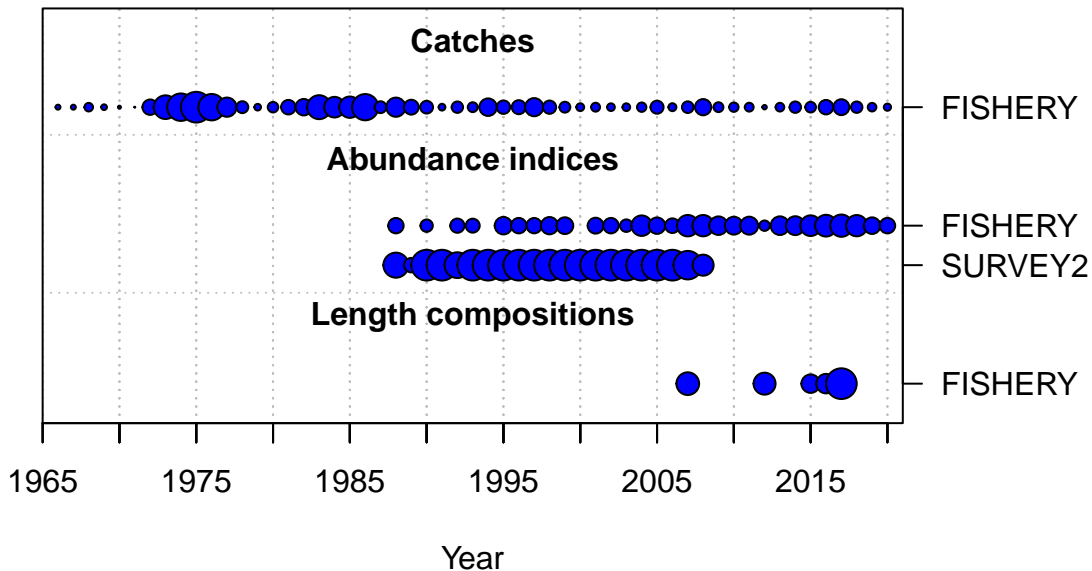




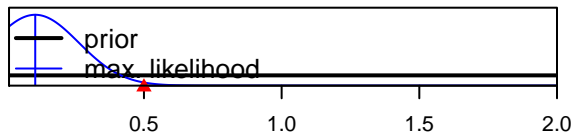




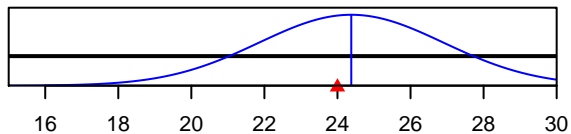




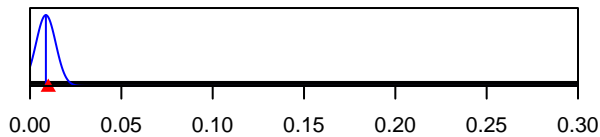
SR_LN(R0)



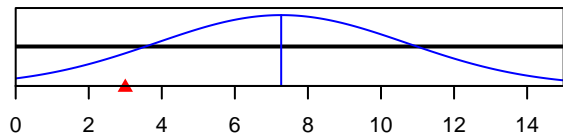
Size_inflection_FISHERY(1)



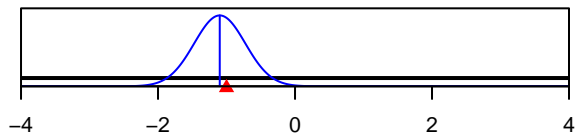
InitF_seas_1_flt_1FISHERY



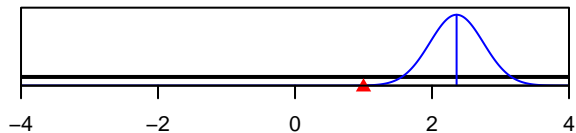
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value