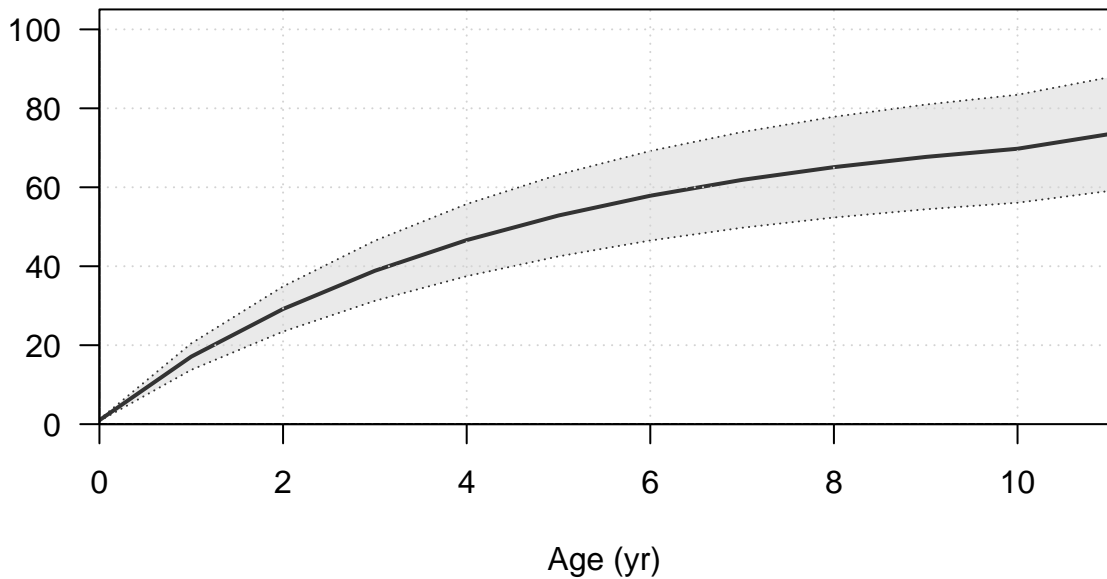
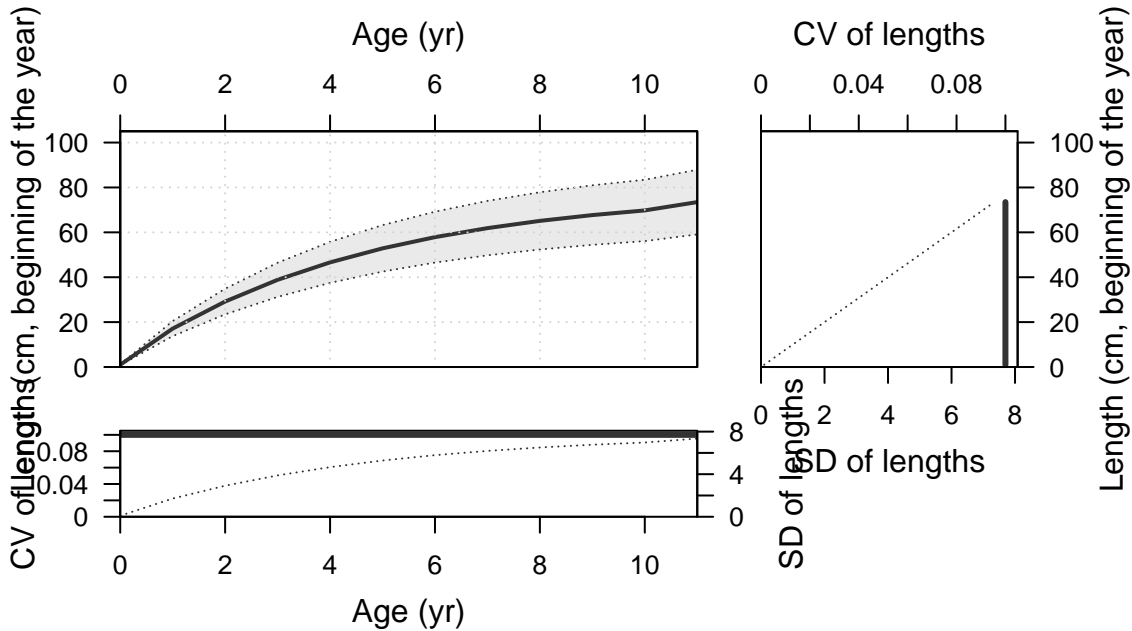
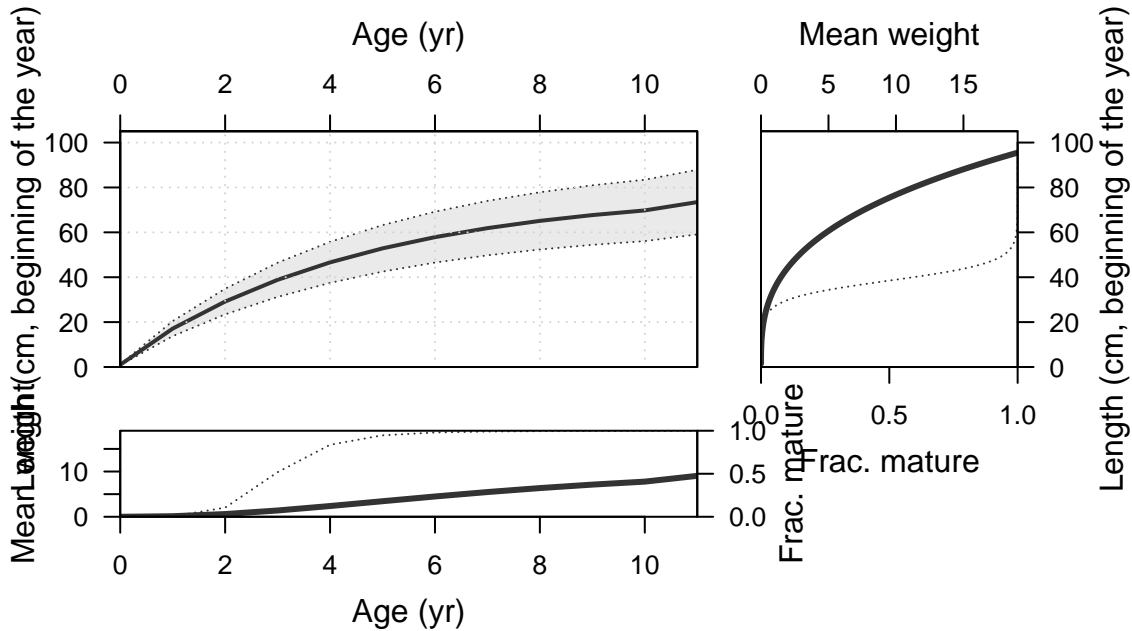


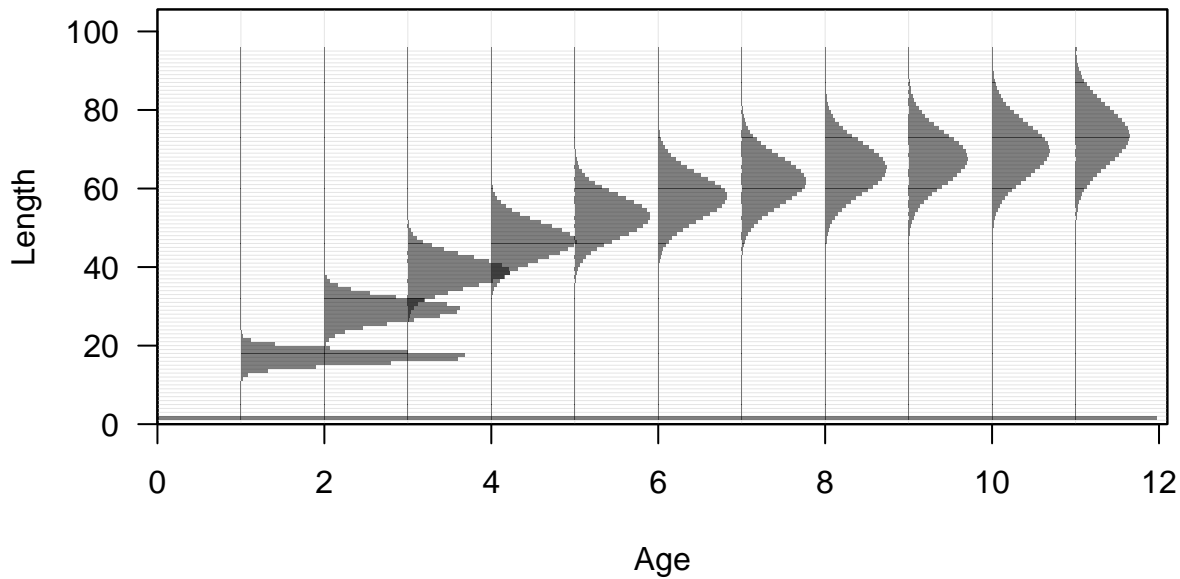
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Mon Jul 11 16:24:48 2022  
Data\_File: data.ss  
Control\_File: control.ss

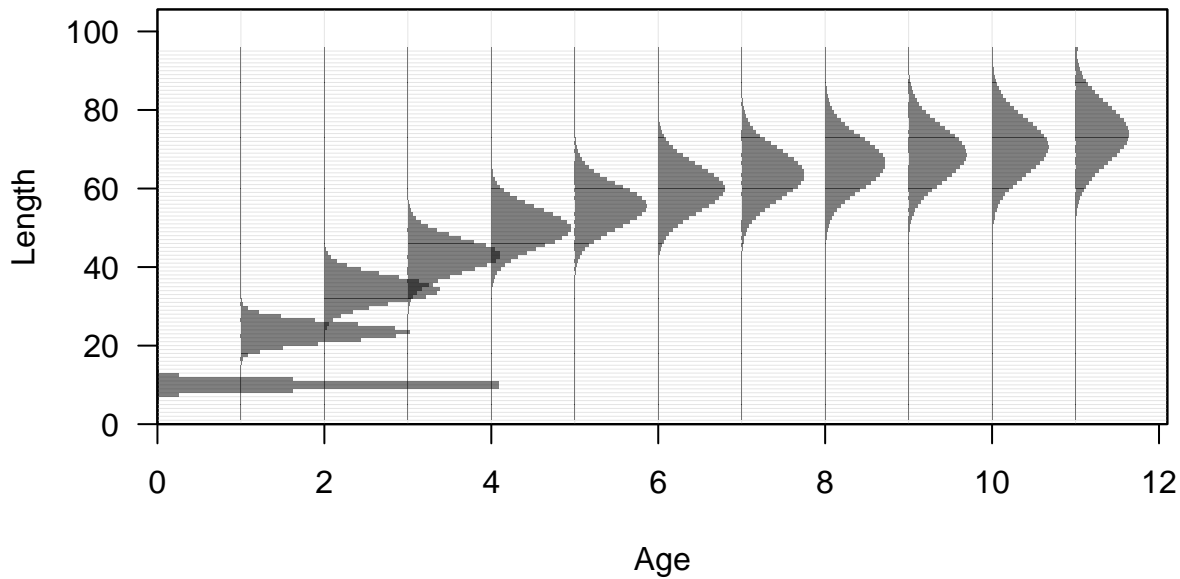
Length (cm, beginning of the year)







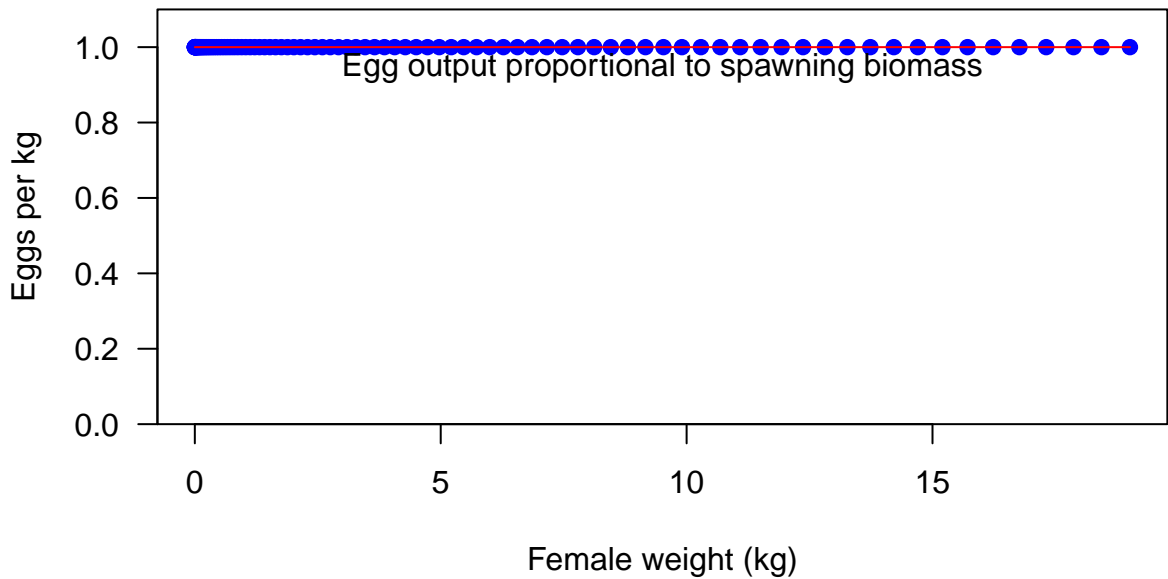












Fecundity

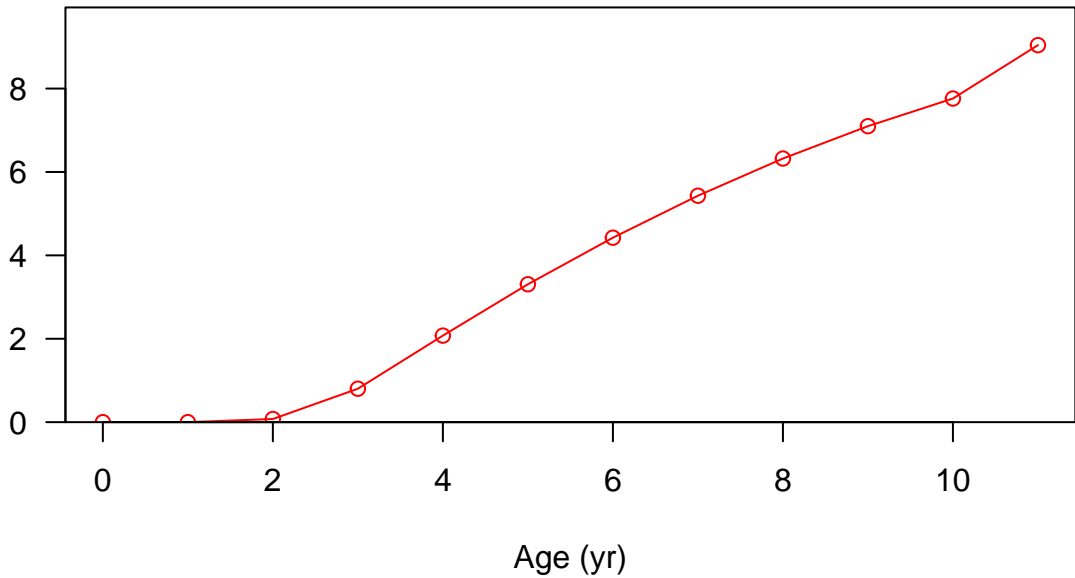




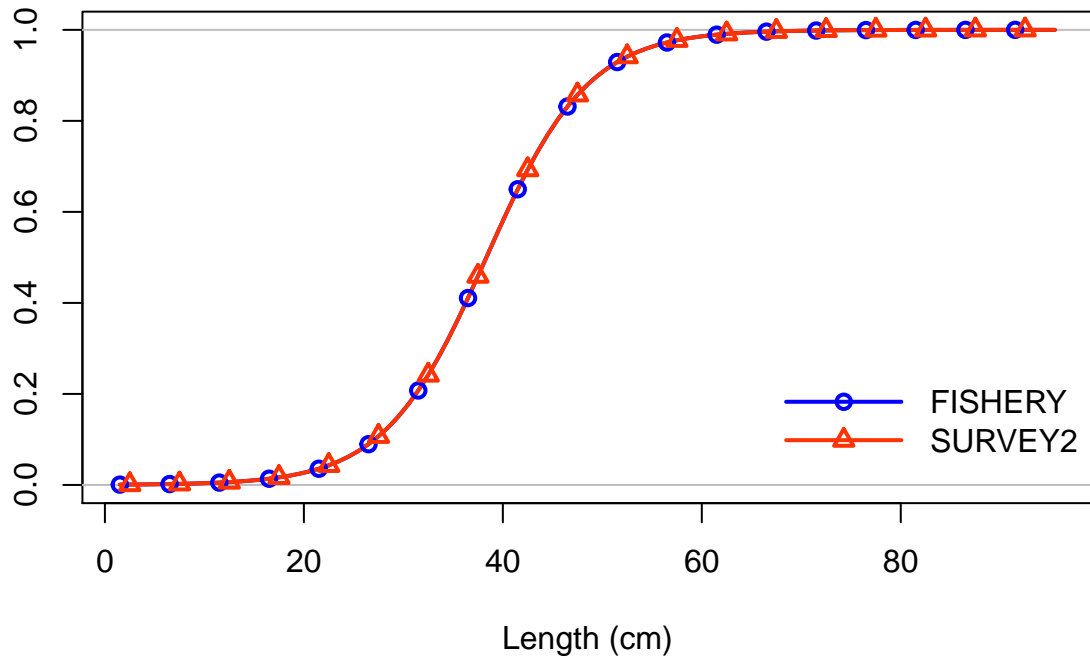
Spawning output



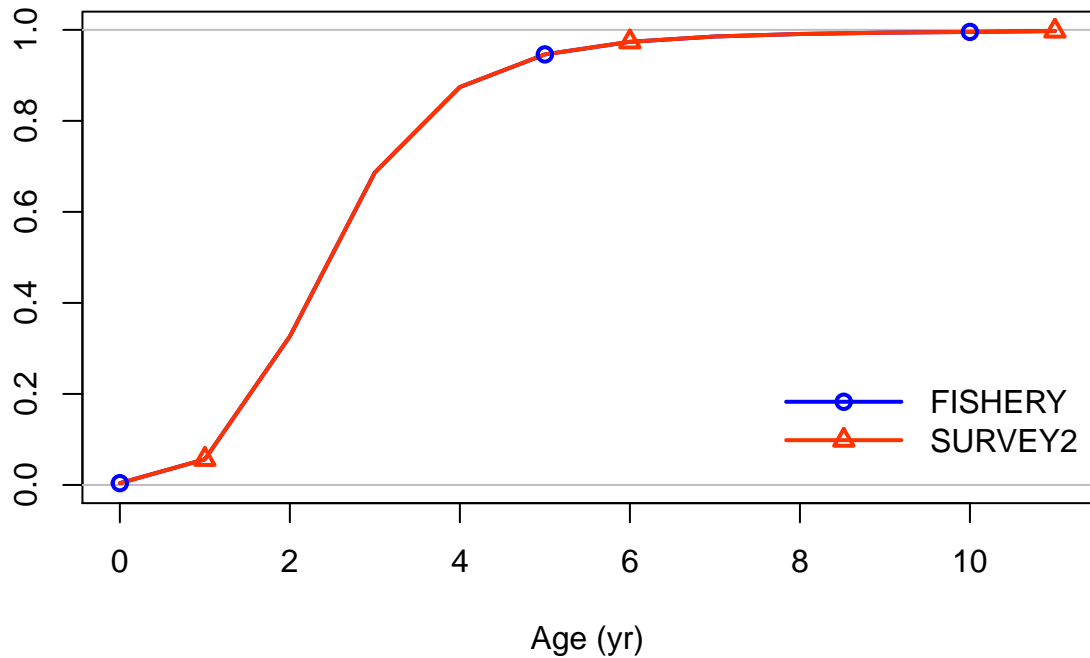
Spawning output



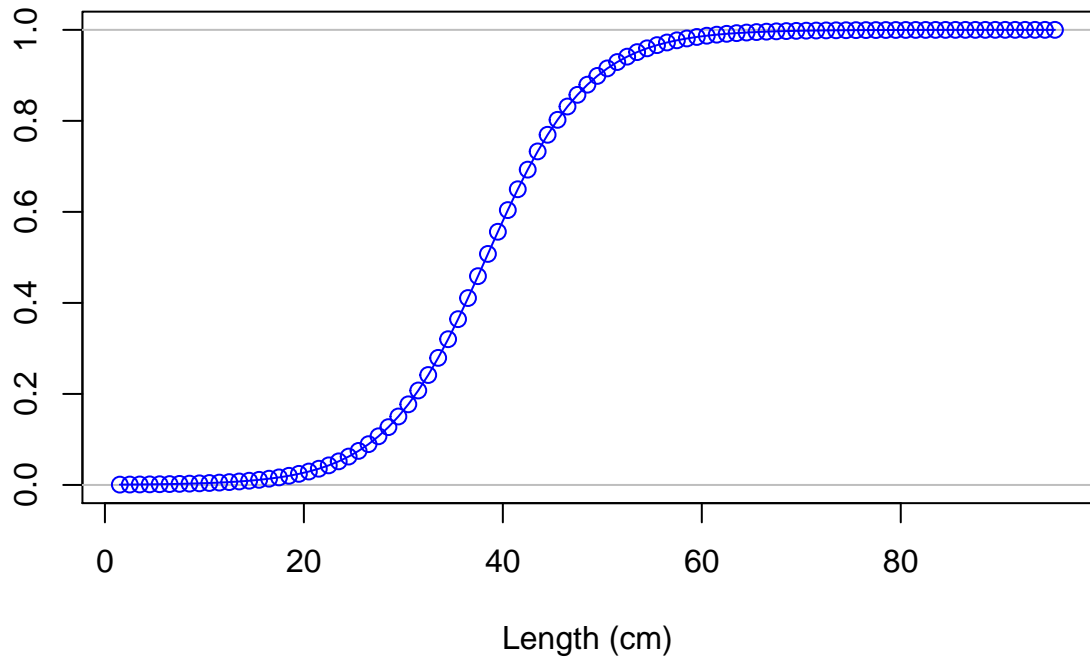
Selectivity



Selectivity

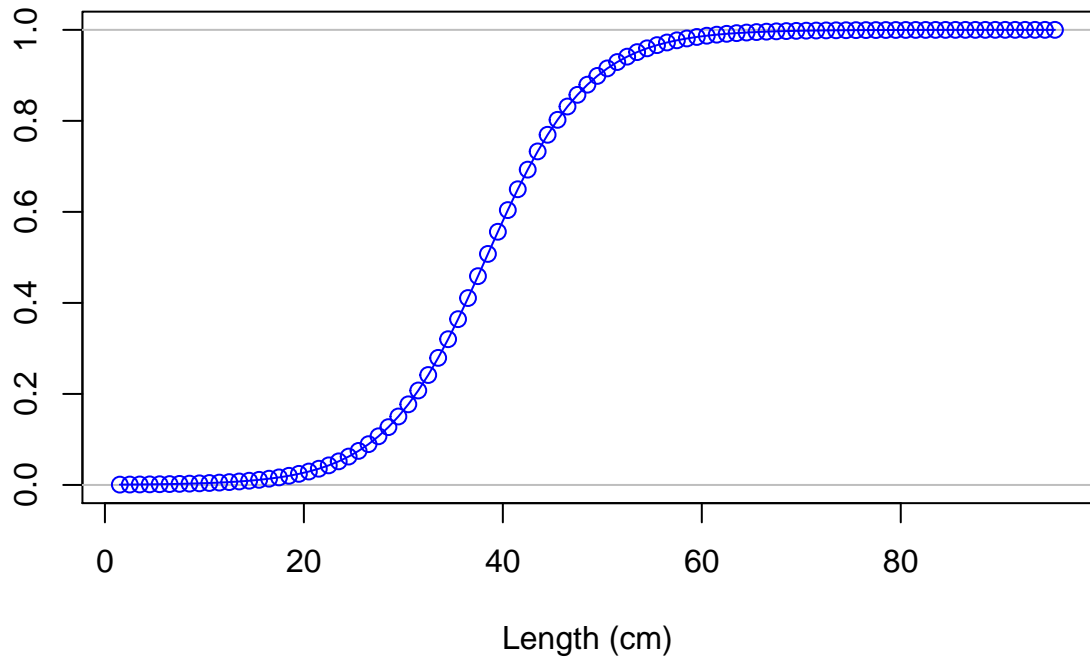


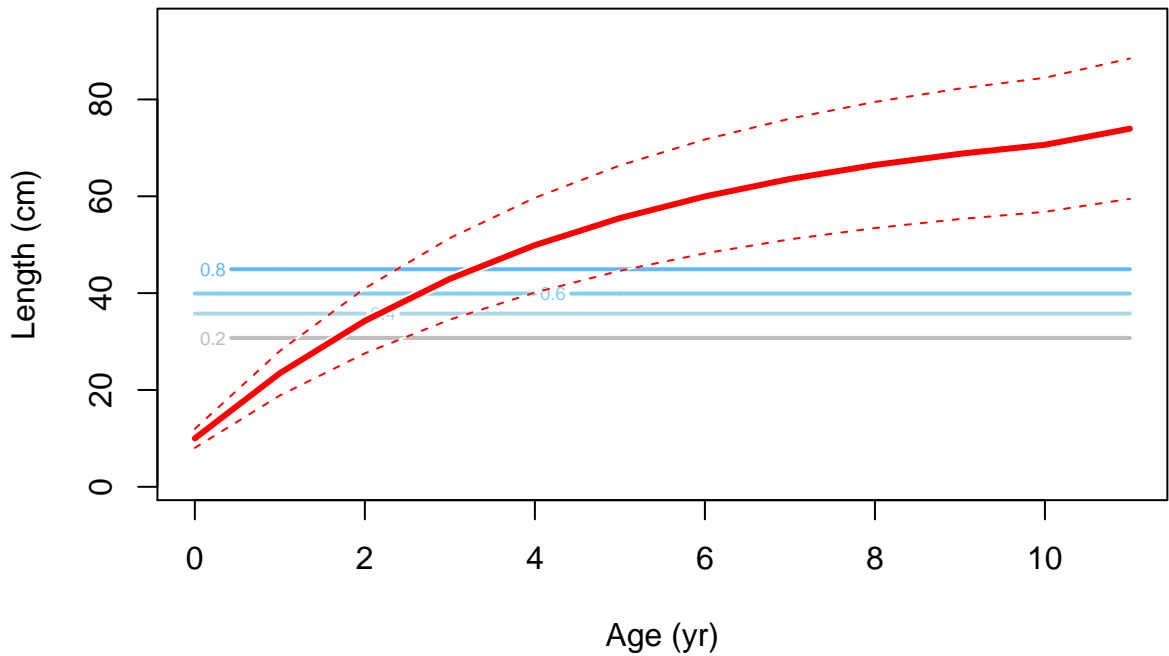
Selectivity

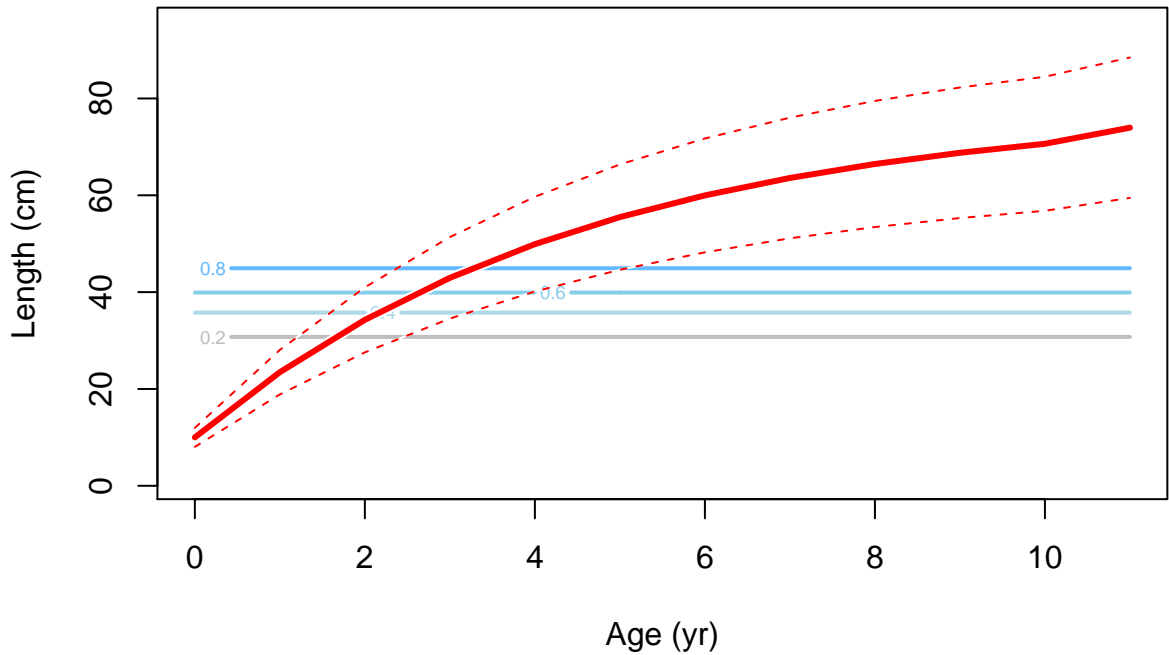


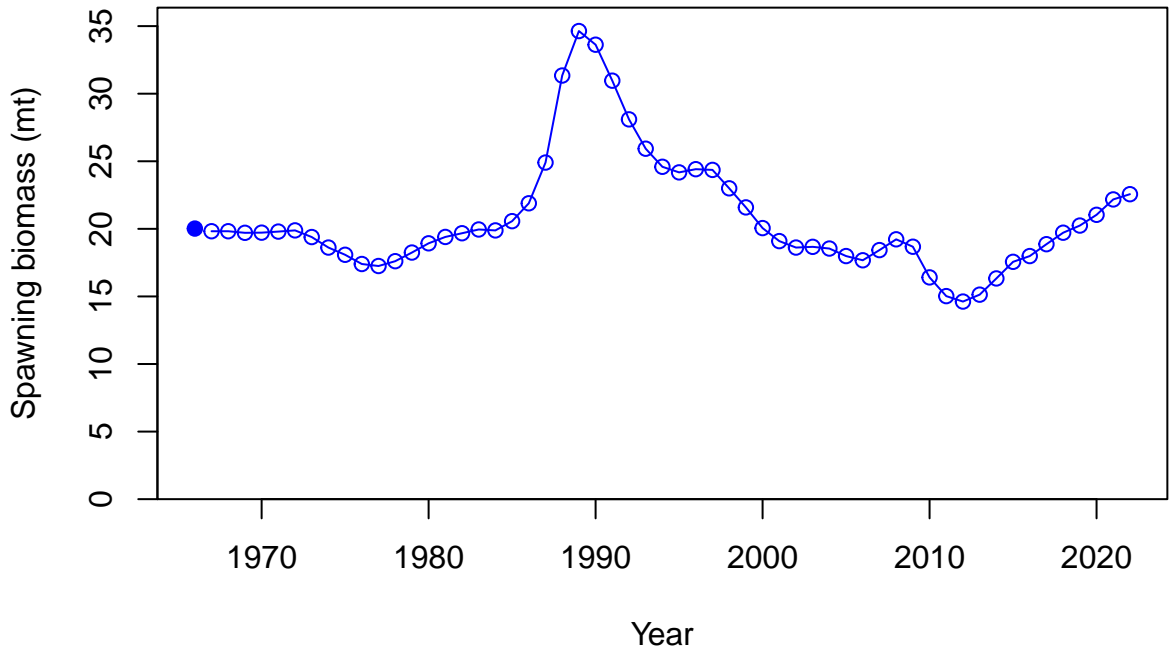


Selectivity

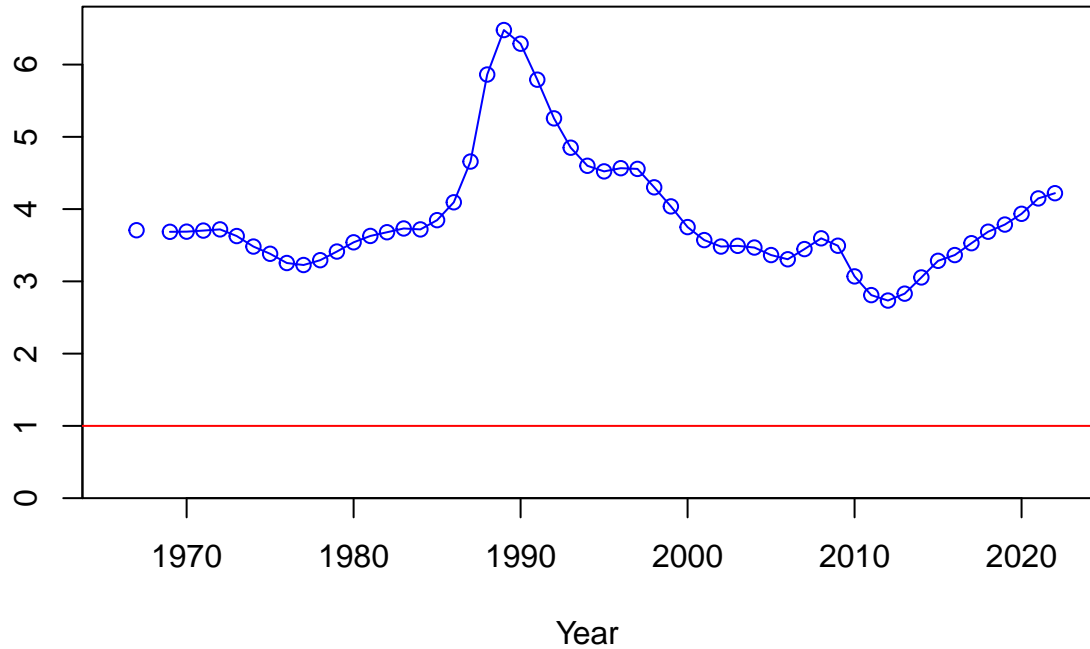


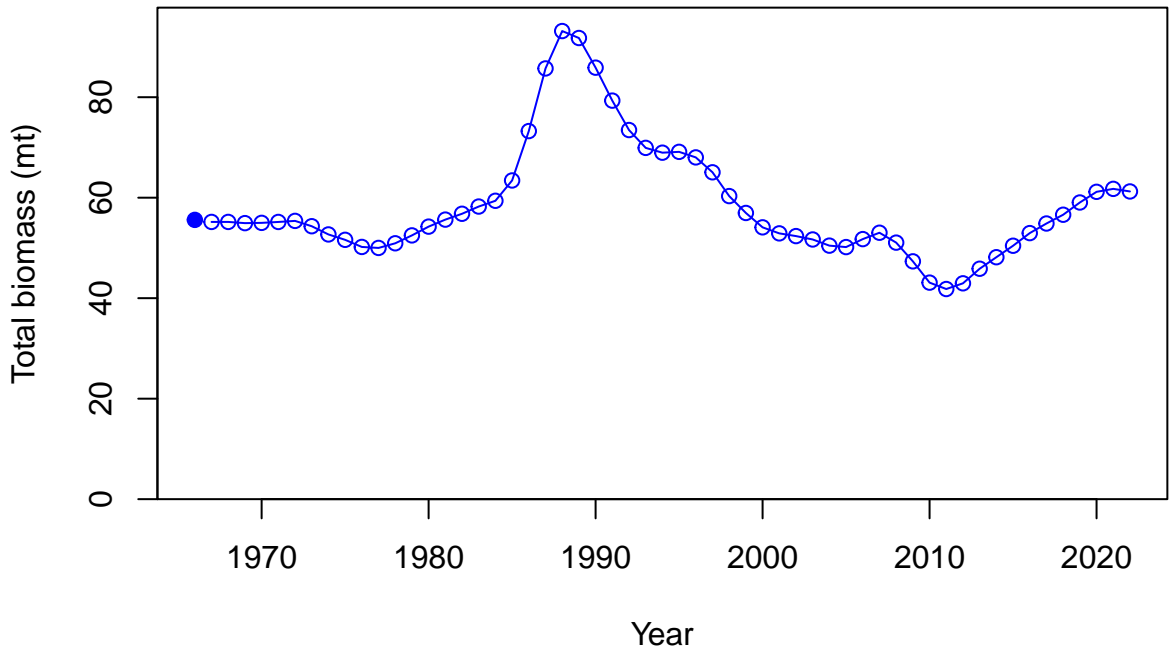


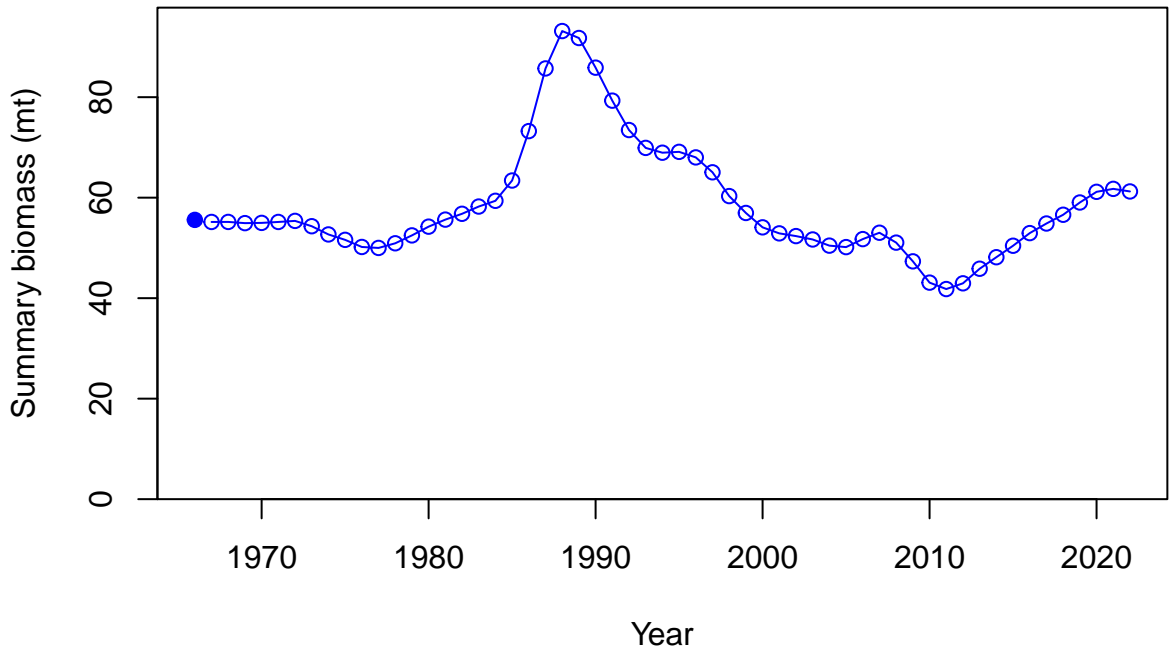




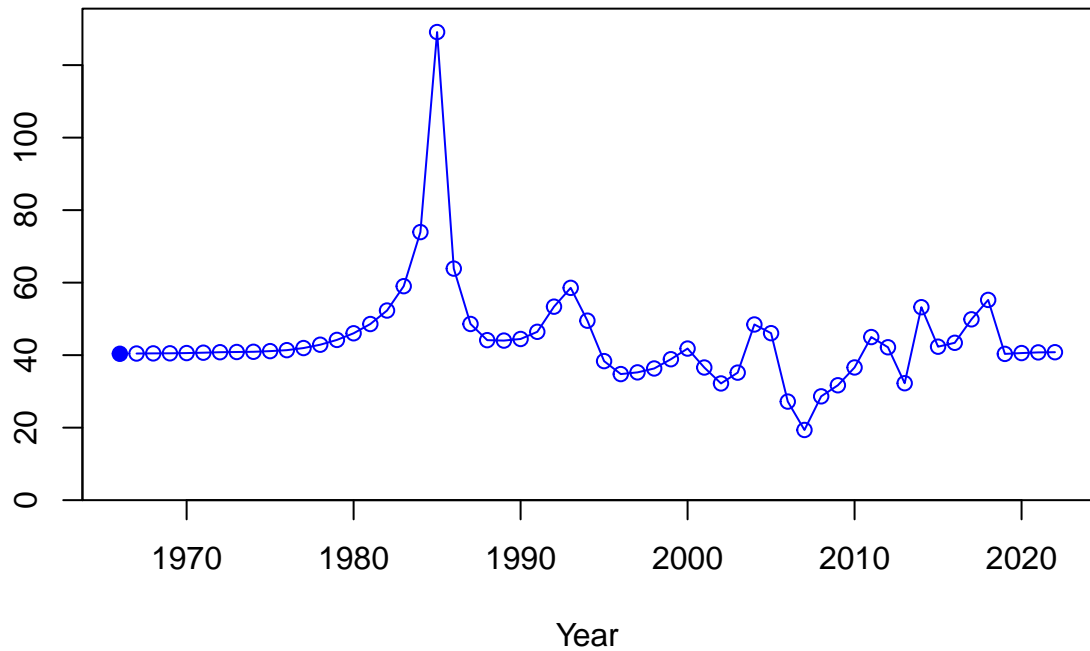
Relative spawning biomass:  $B/B_{MSY}$





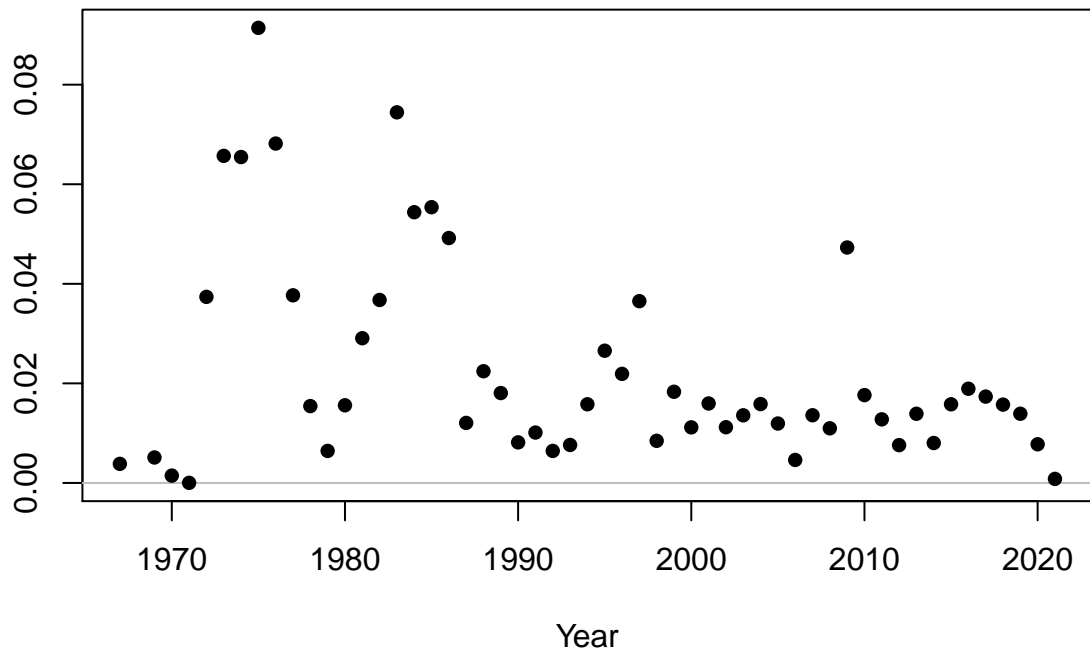


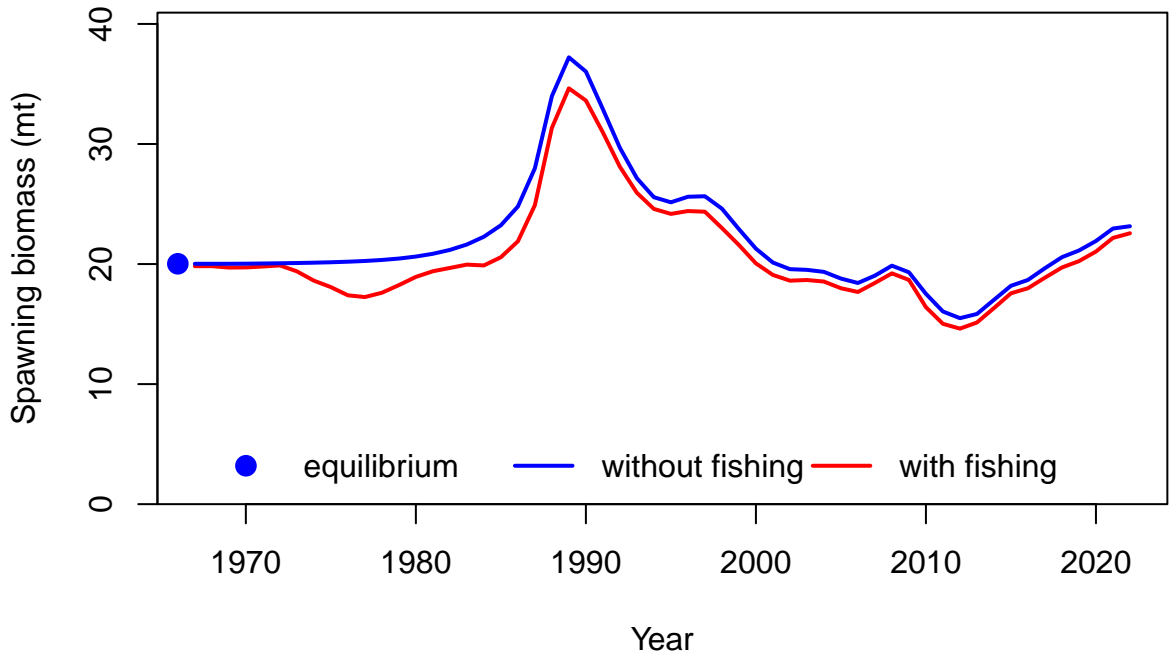
Age-0 recruits (1,000s)



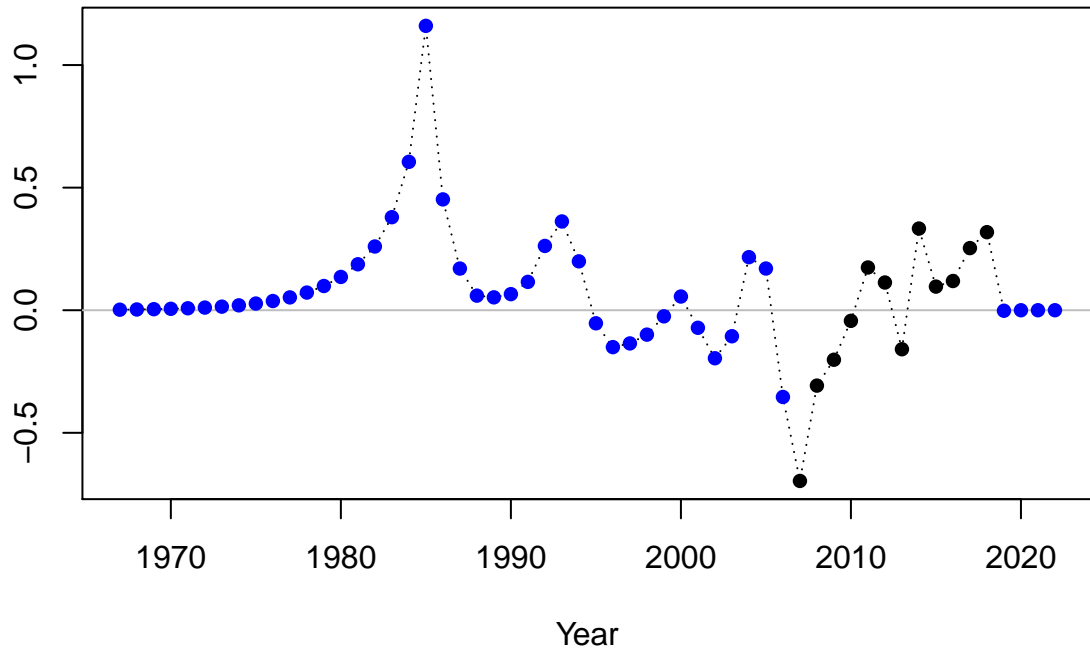


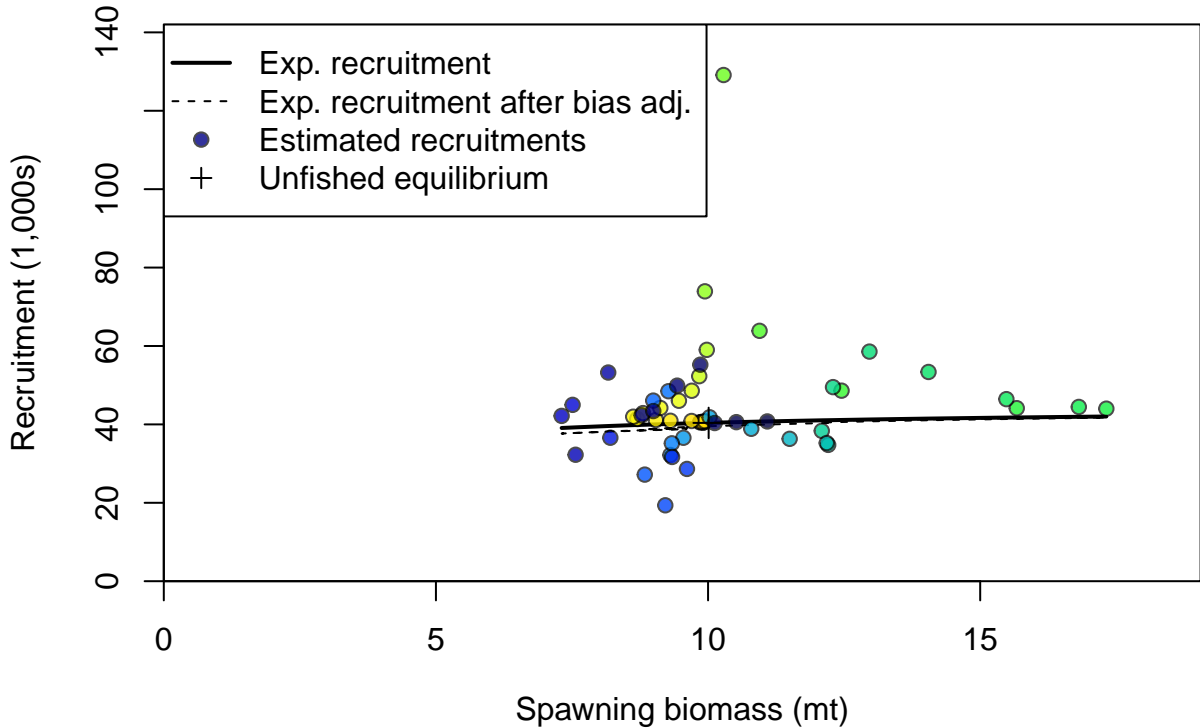
Summary Fishing Mortality

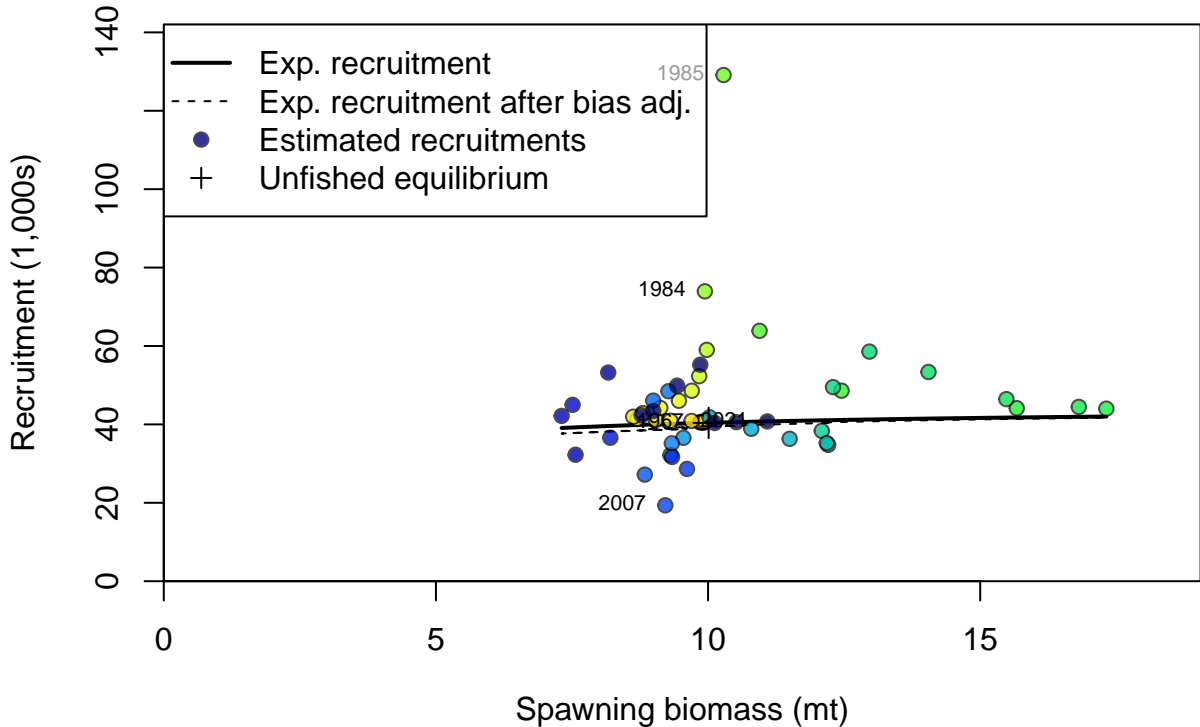




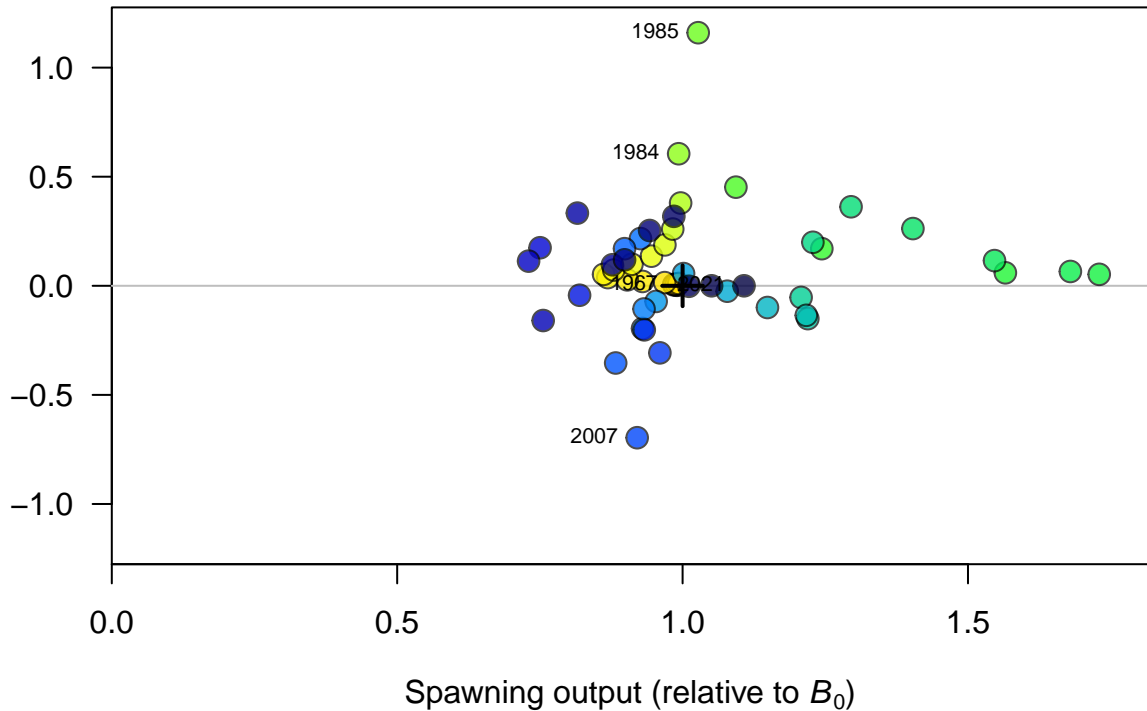
Log recruitment deviation

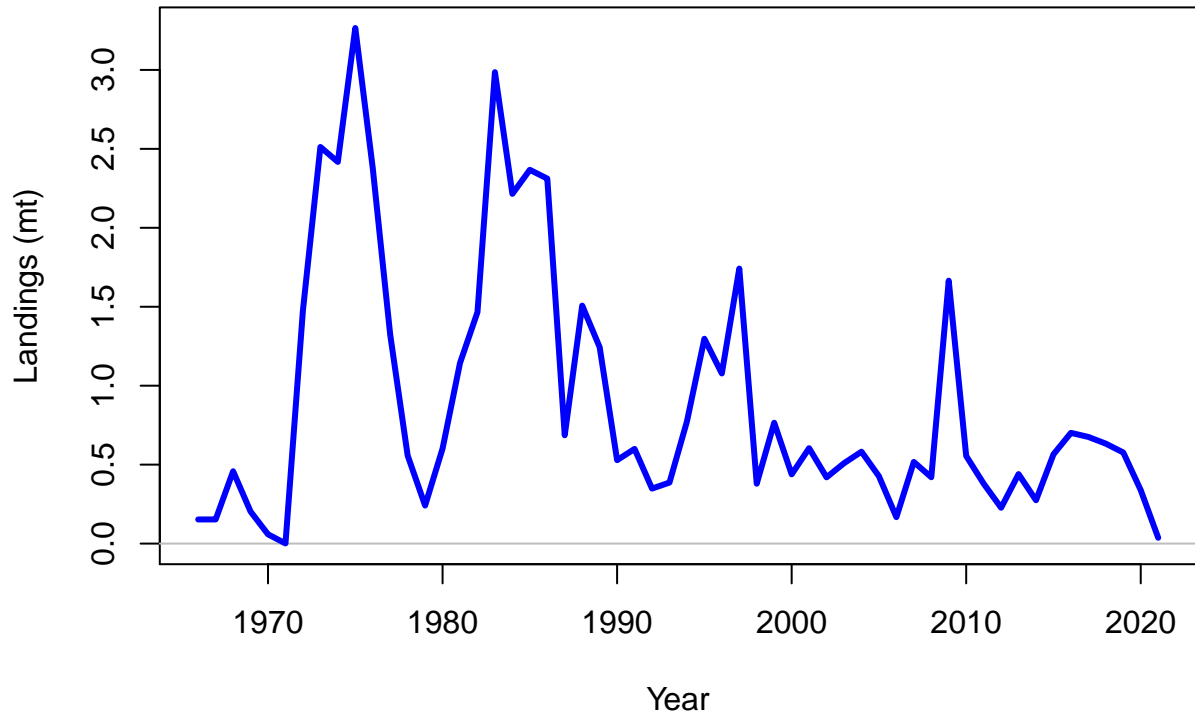






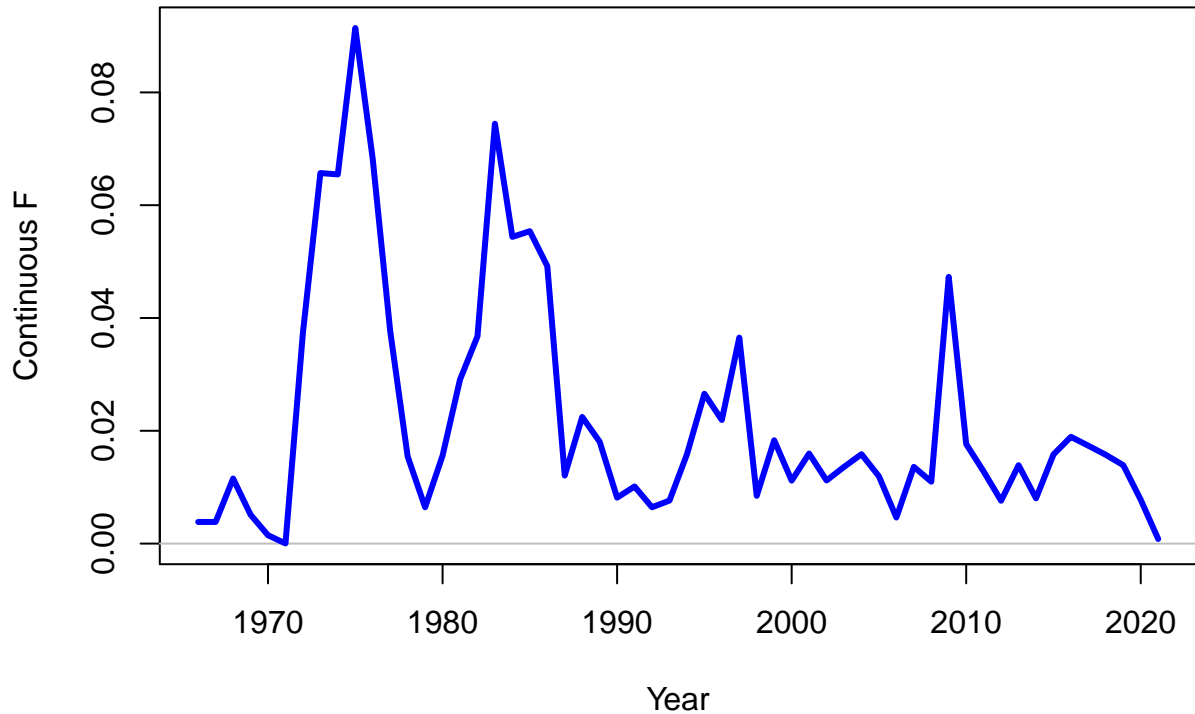
Log recruitment deviation



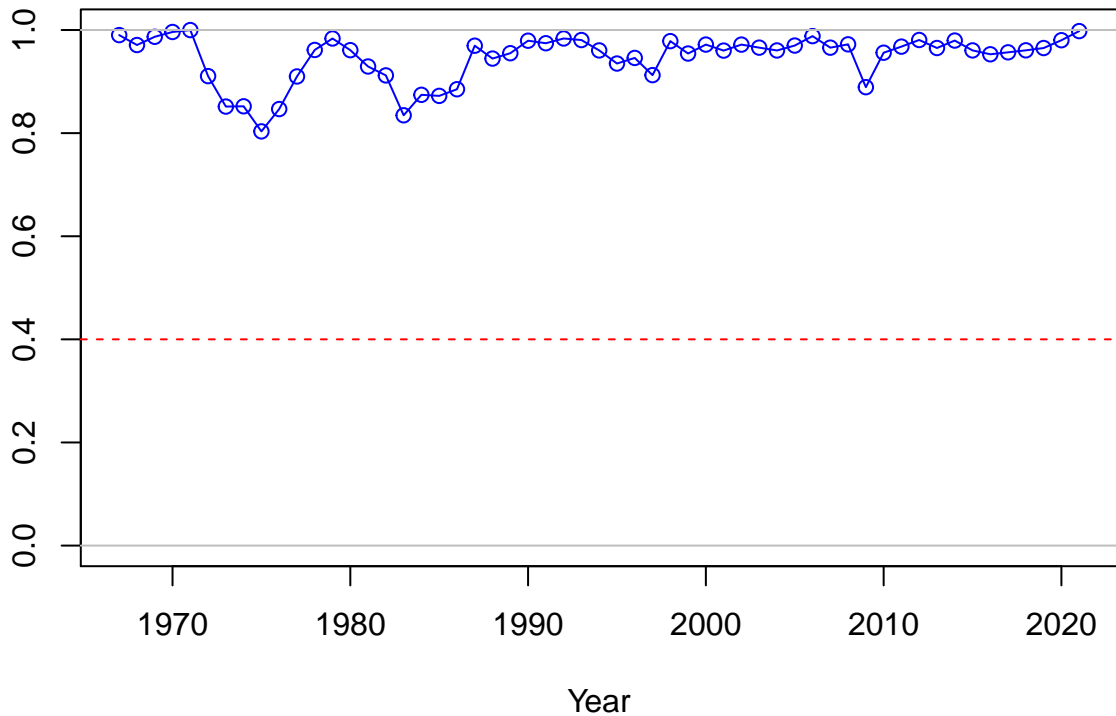


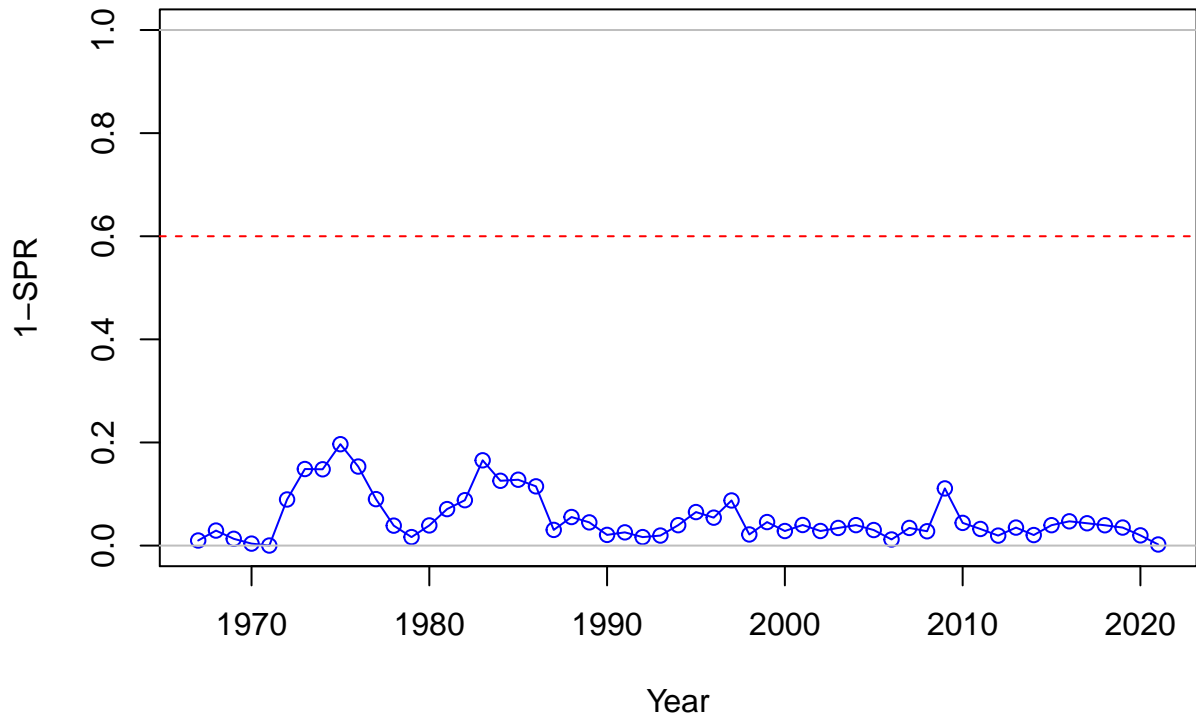




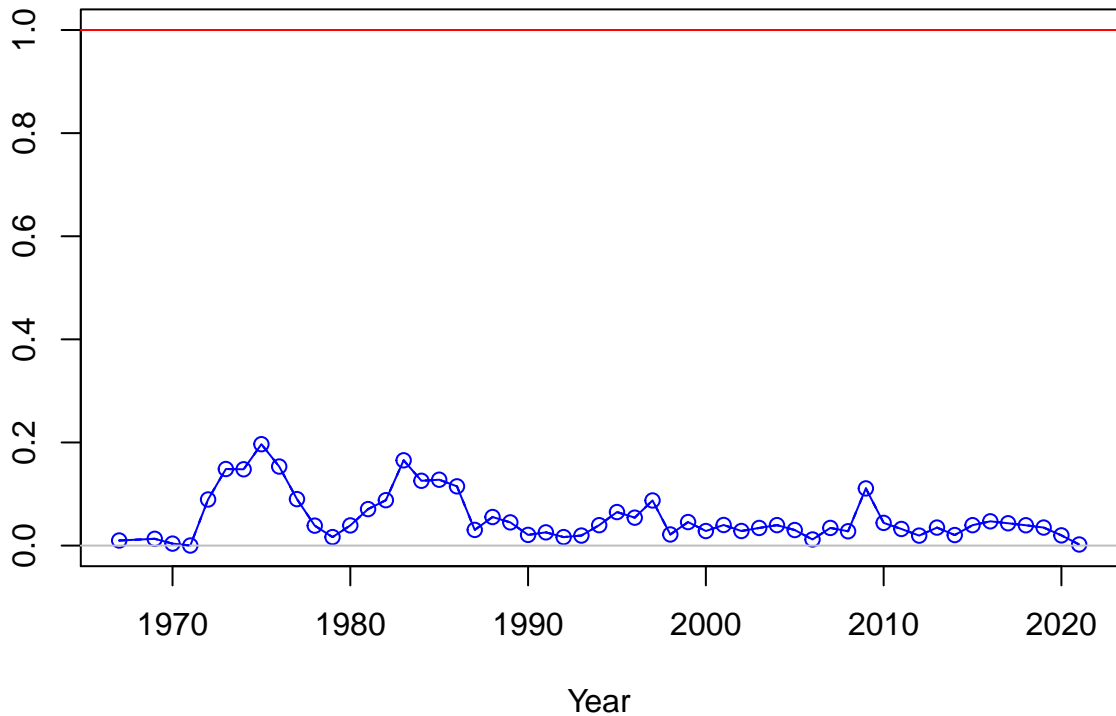


SPR

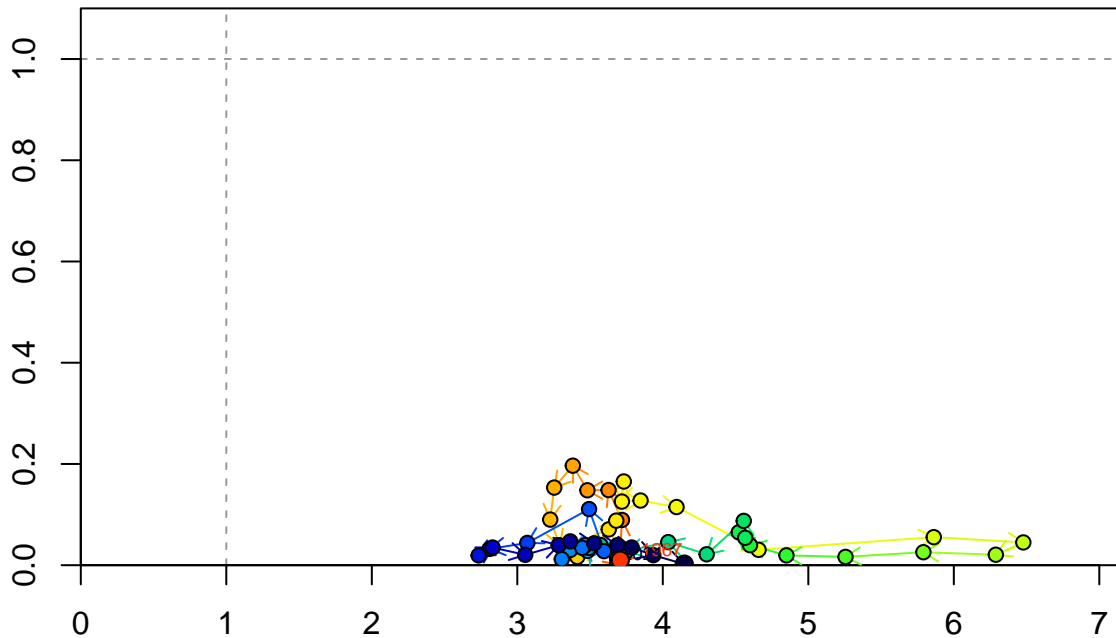




Fishing intensity: 1-SPR

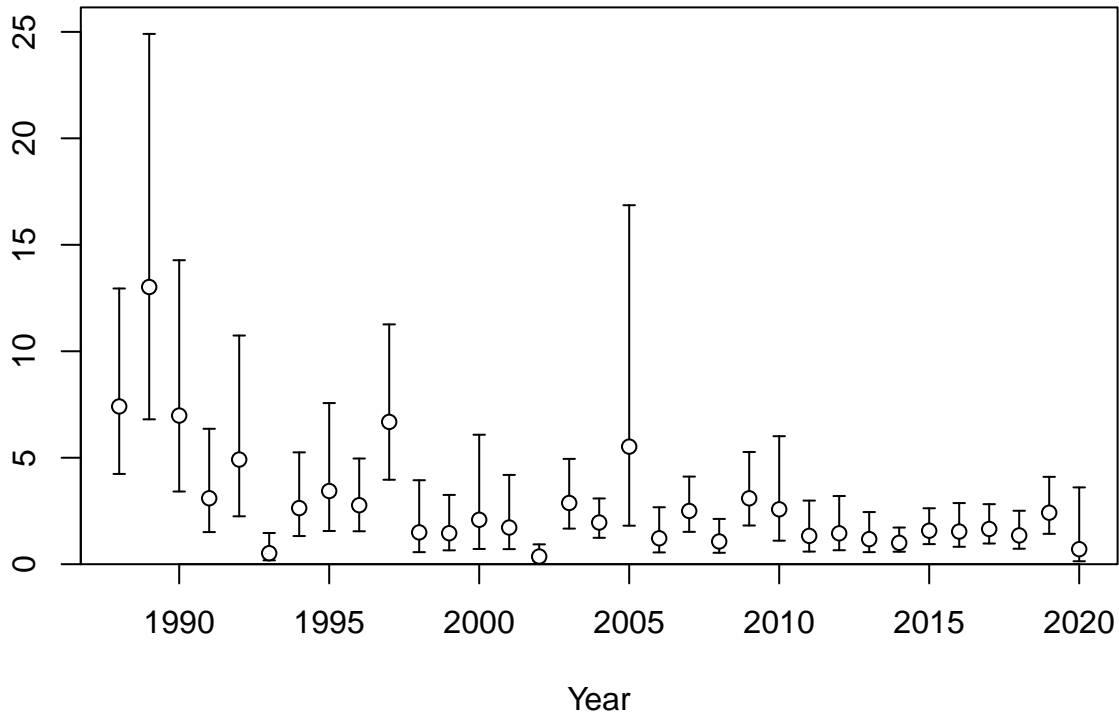


Fishing intensity: 1-SPR

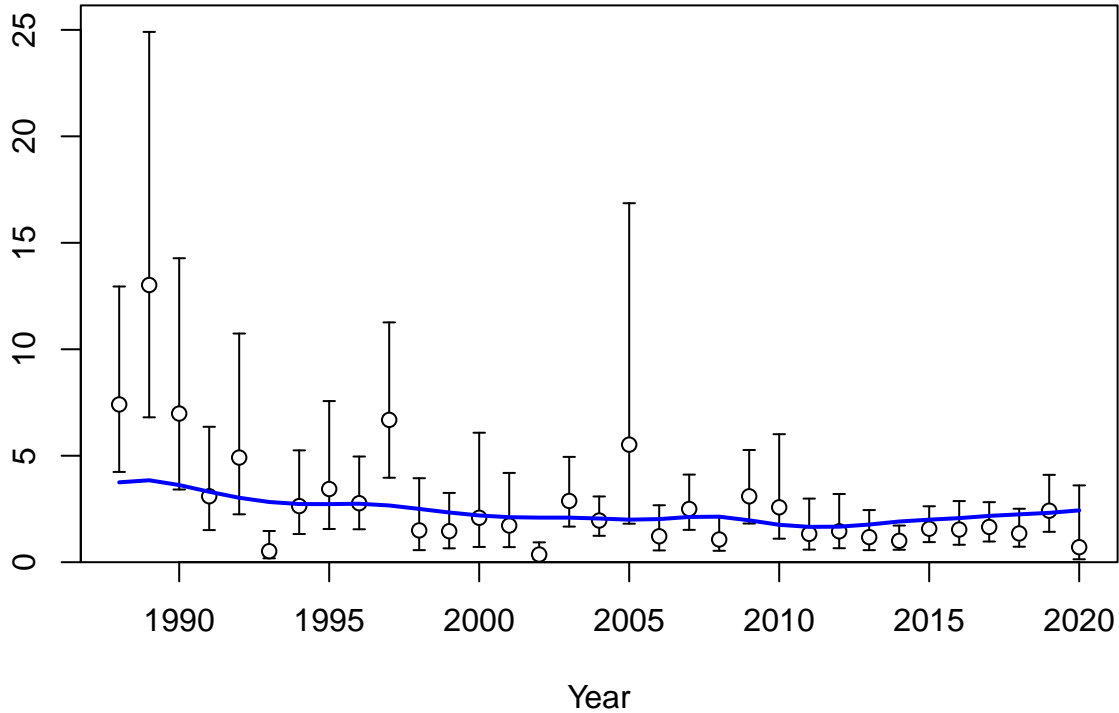


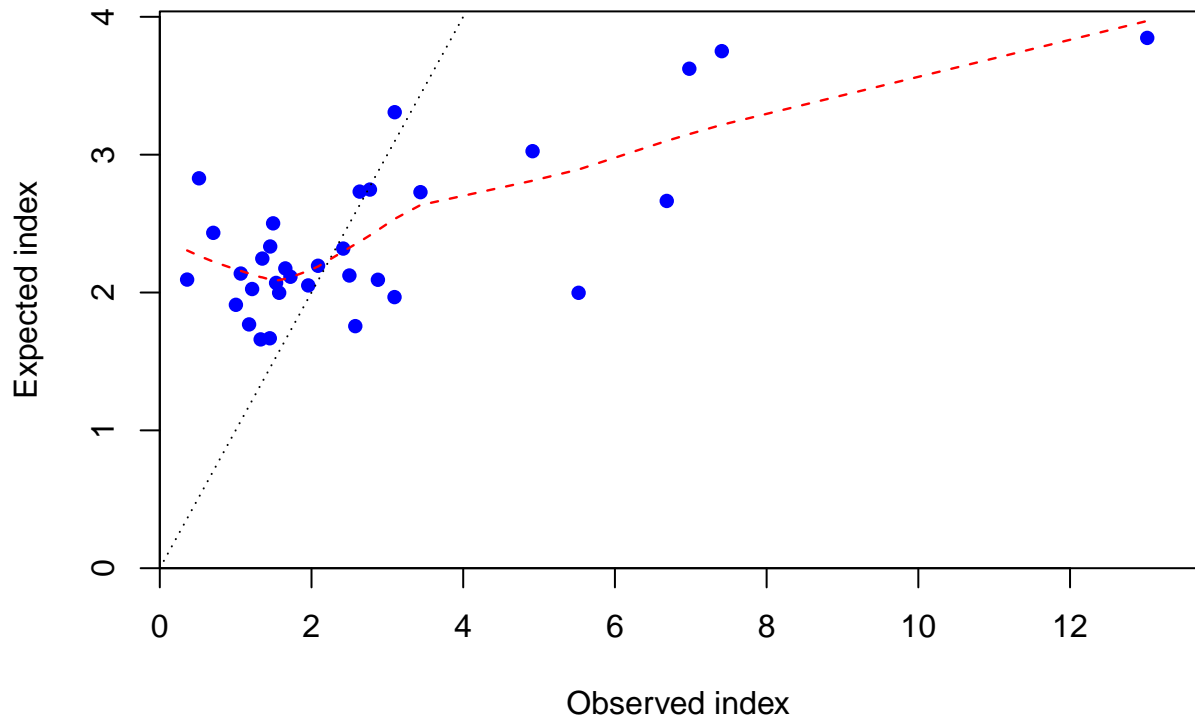
Relative spawning output:  $B/B_{MSY}$

Index



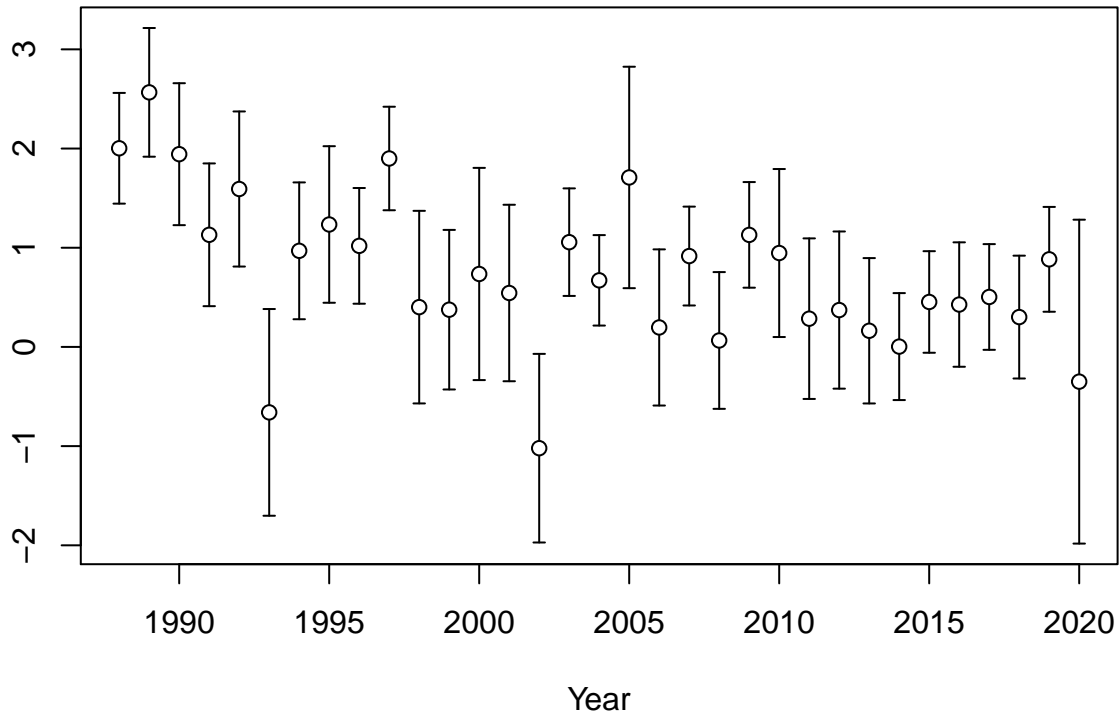
Index

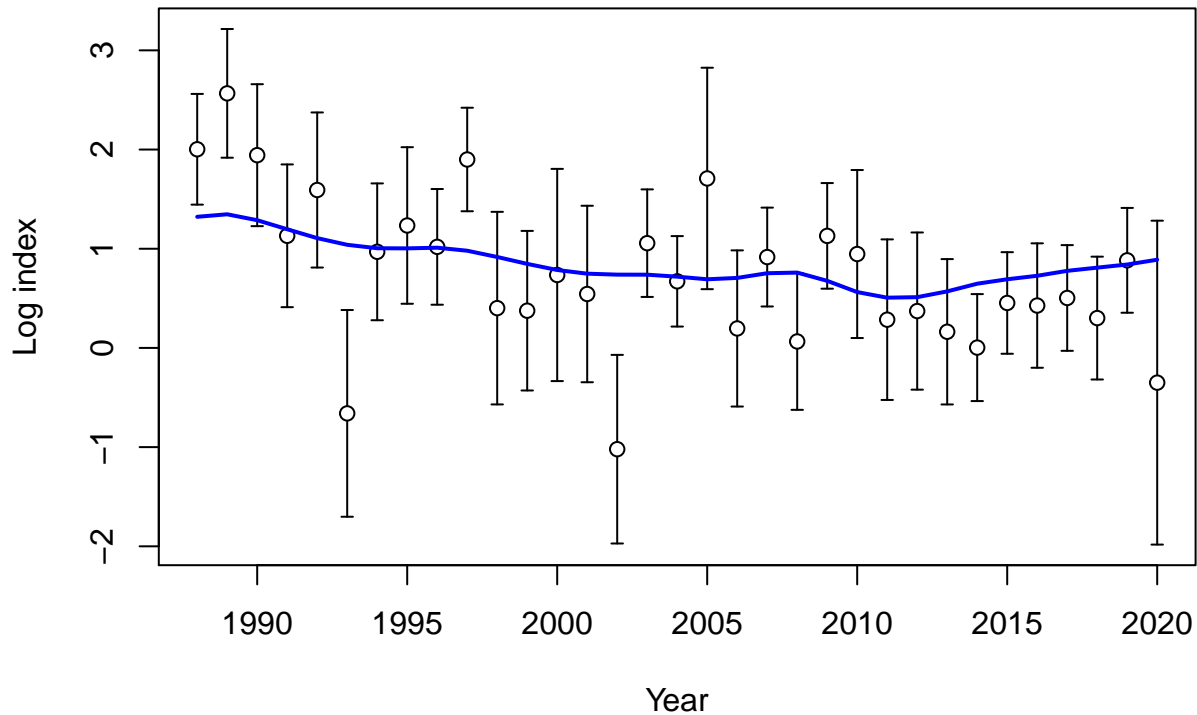


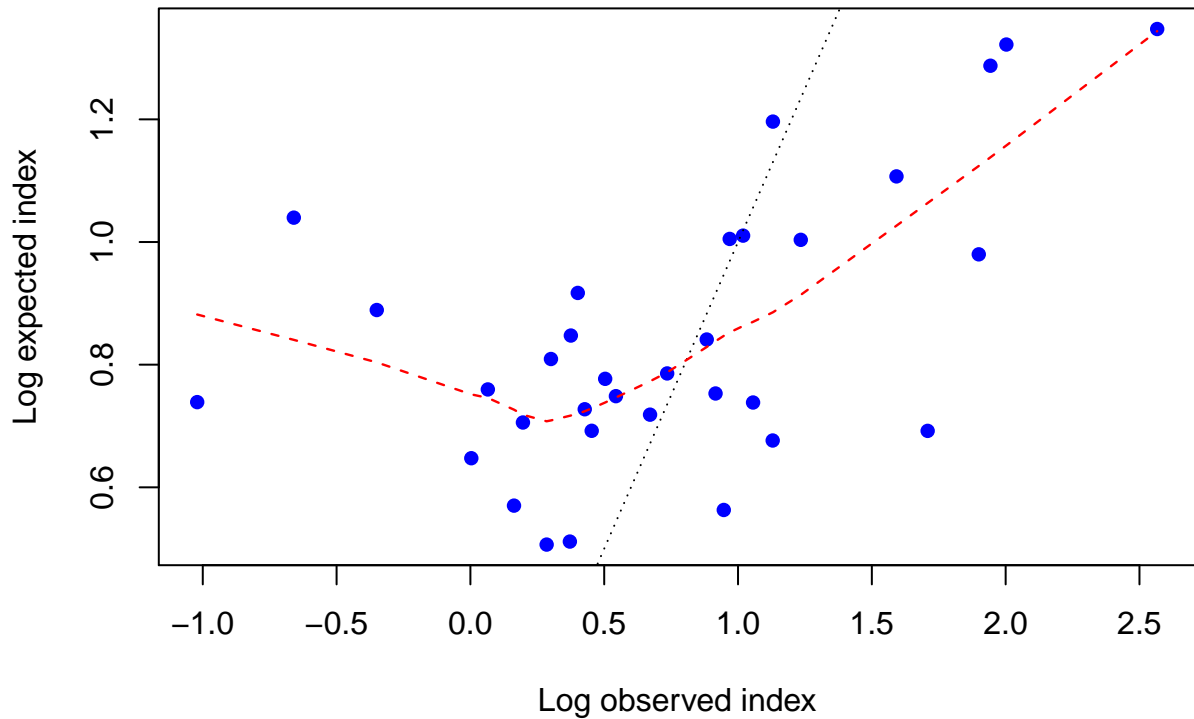


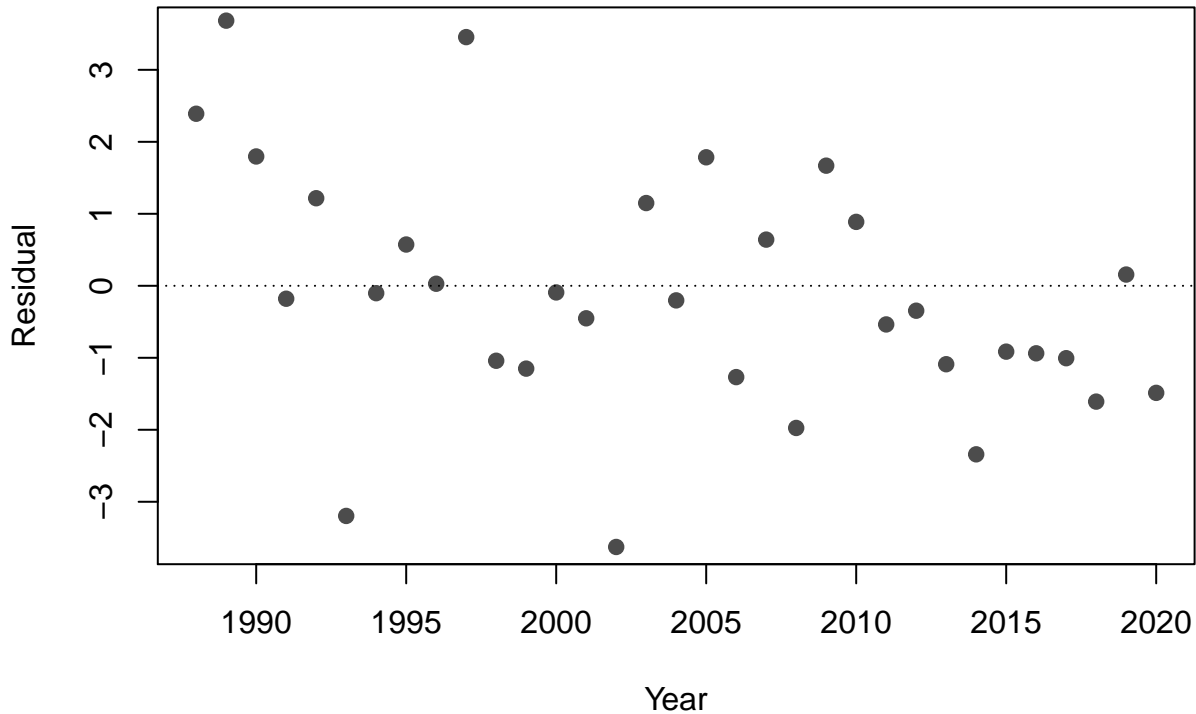


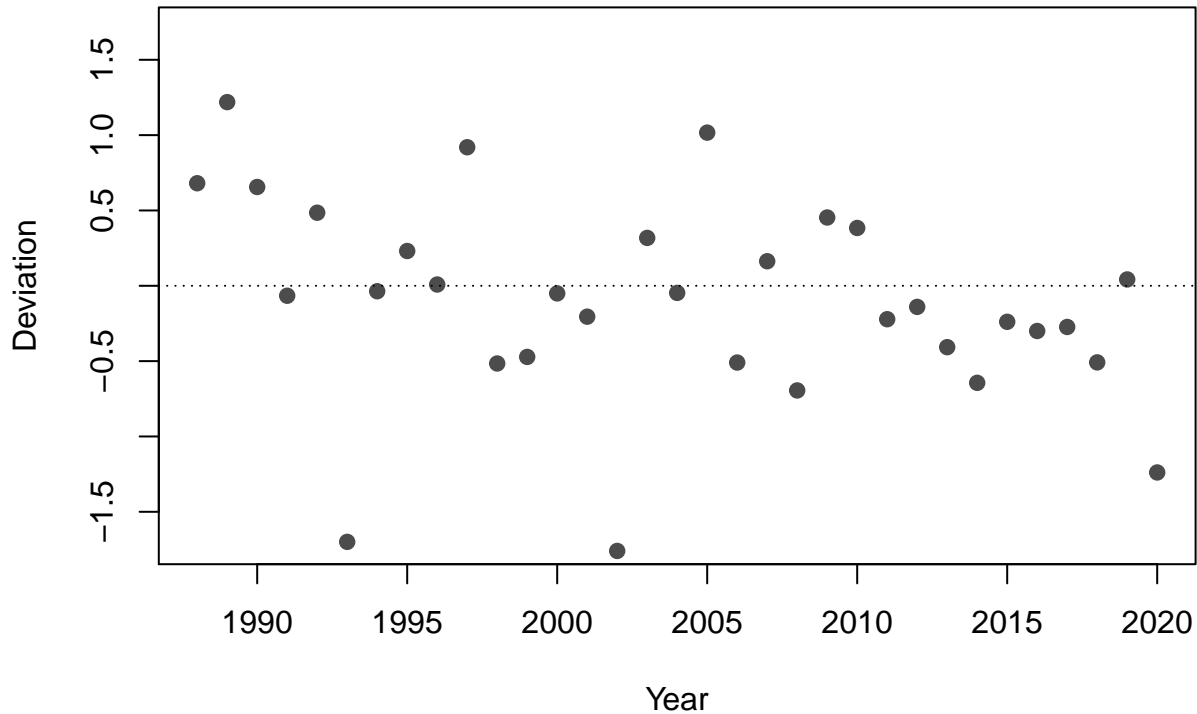
Log index



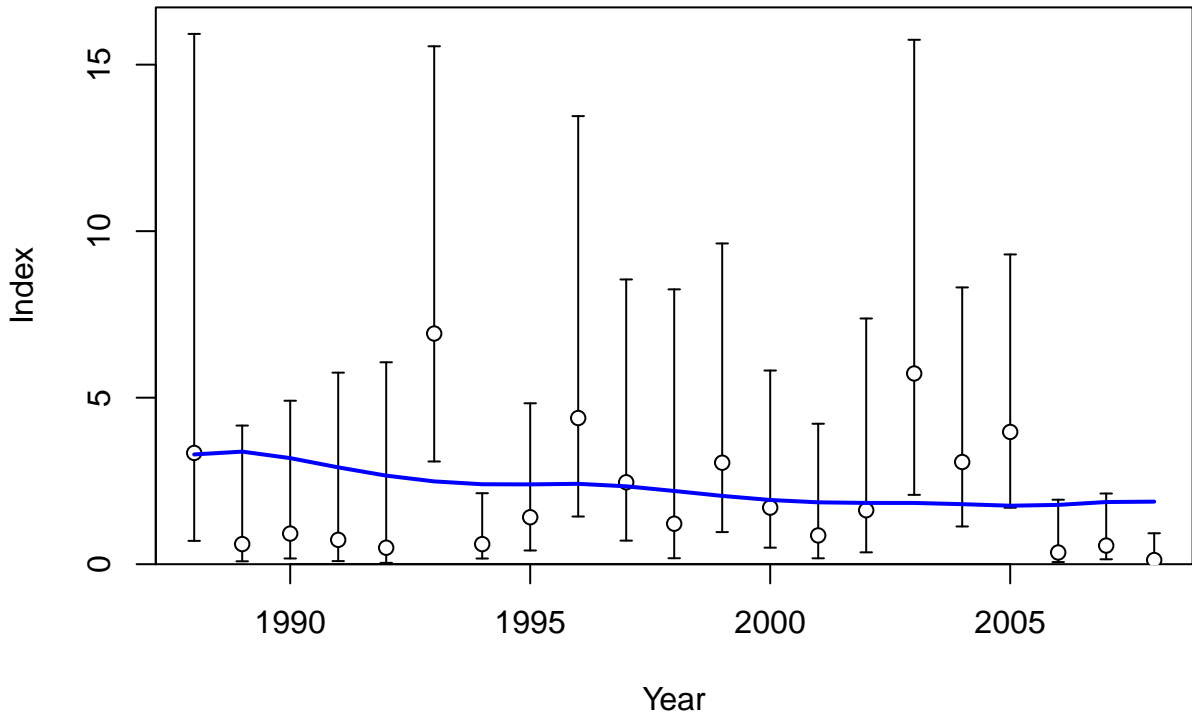




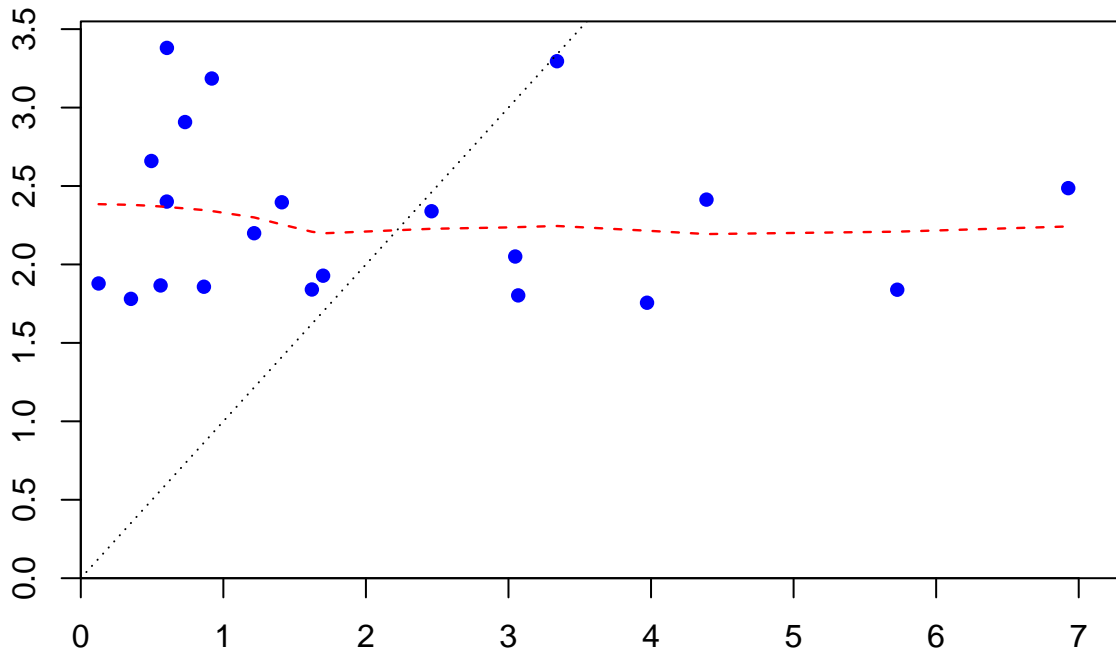








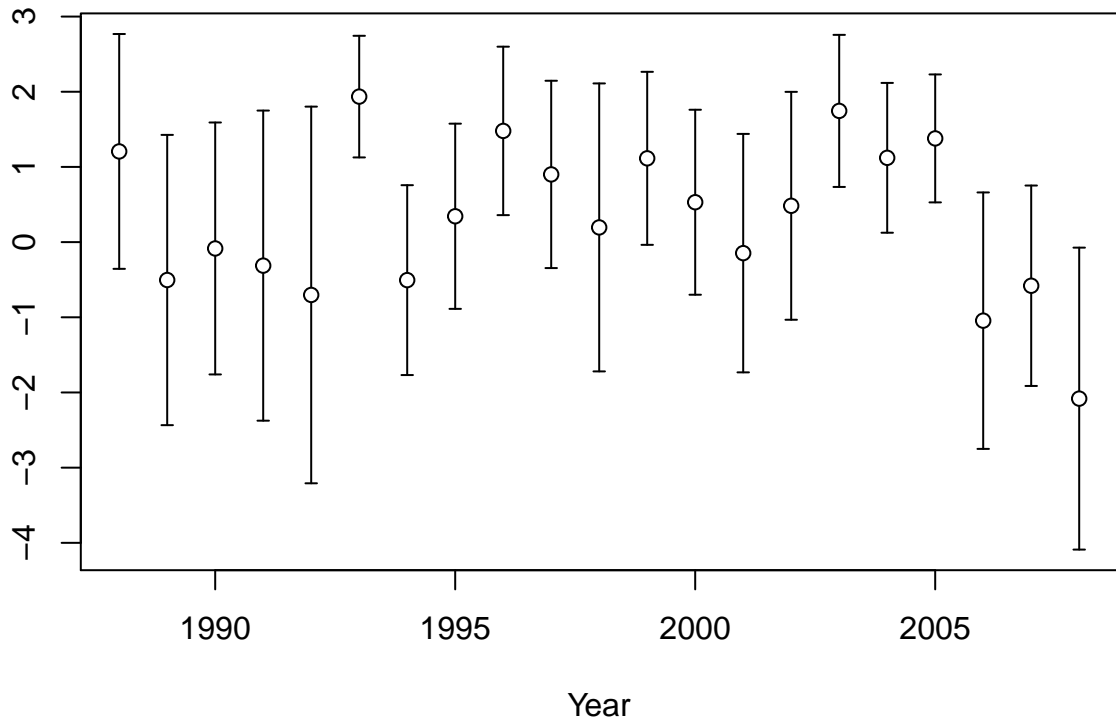
Expected index



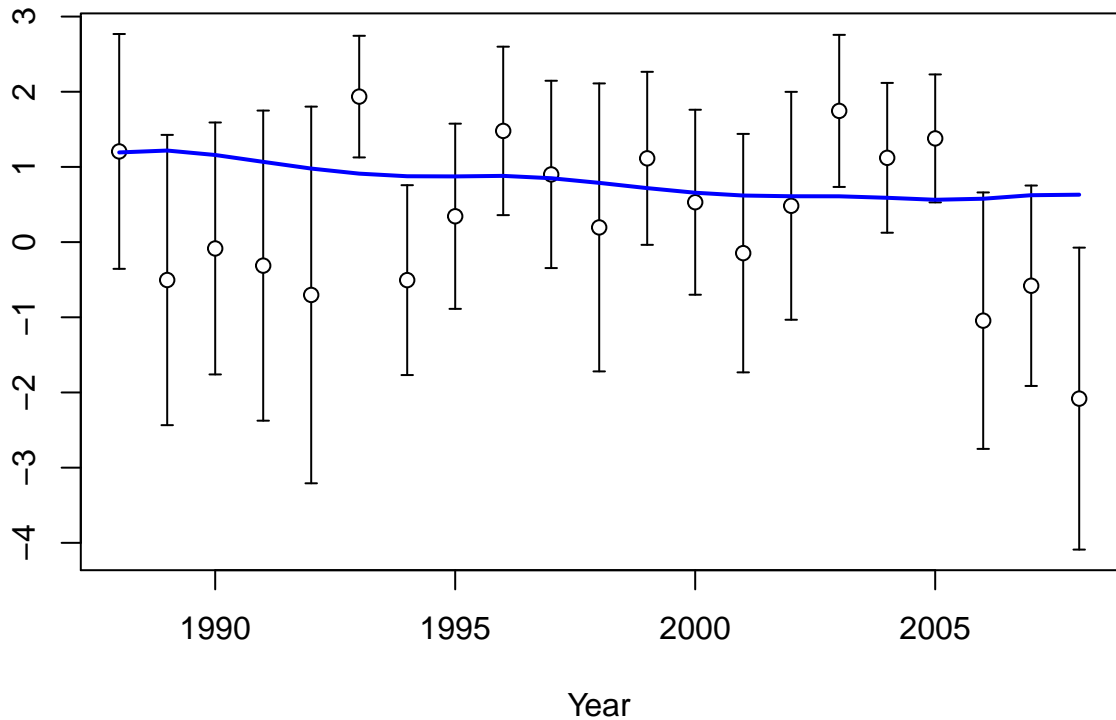
Observed index

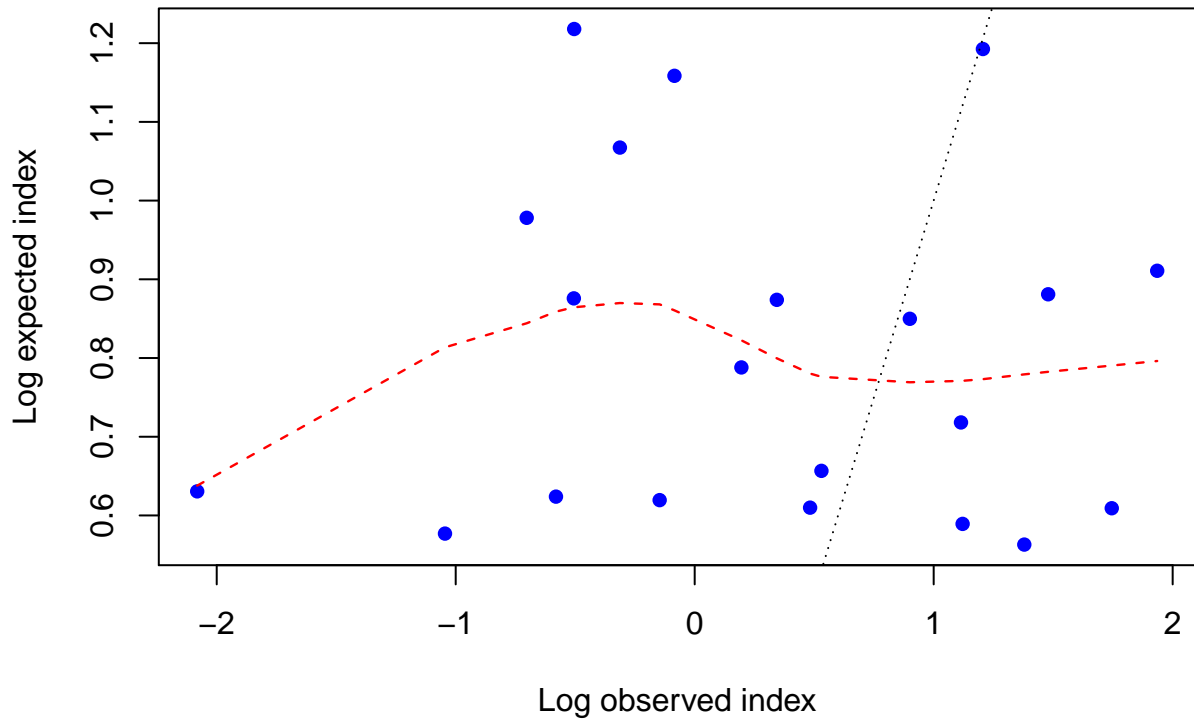


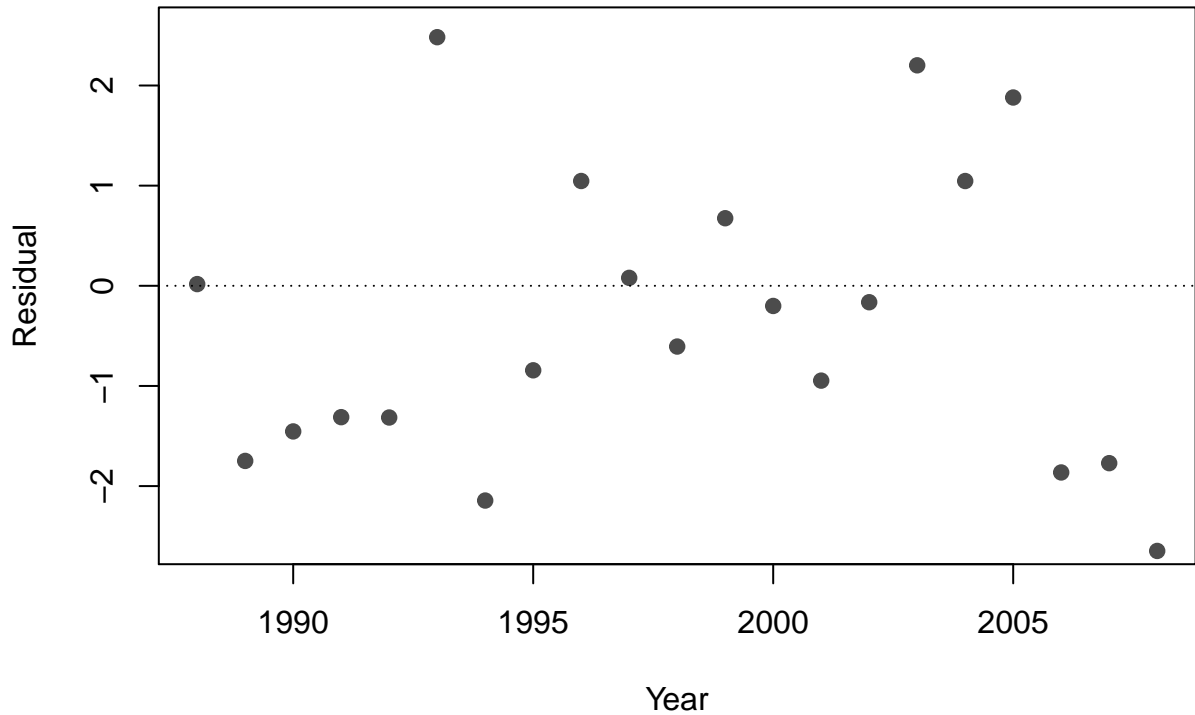
Log index

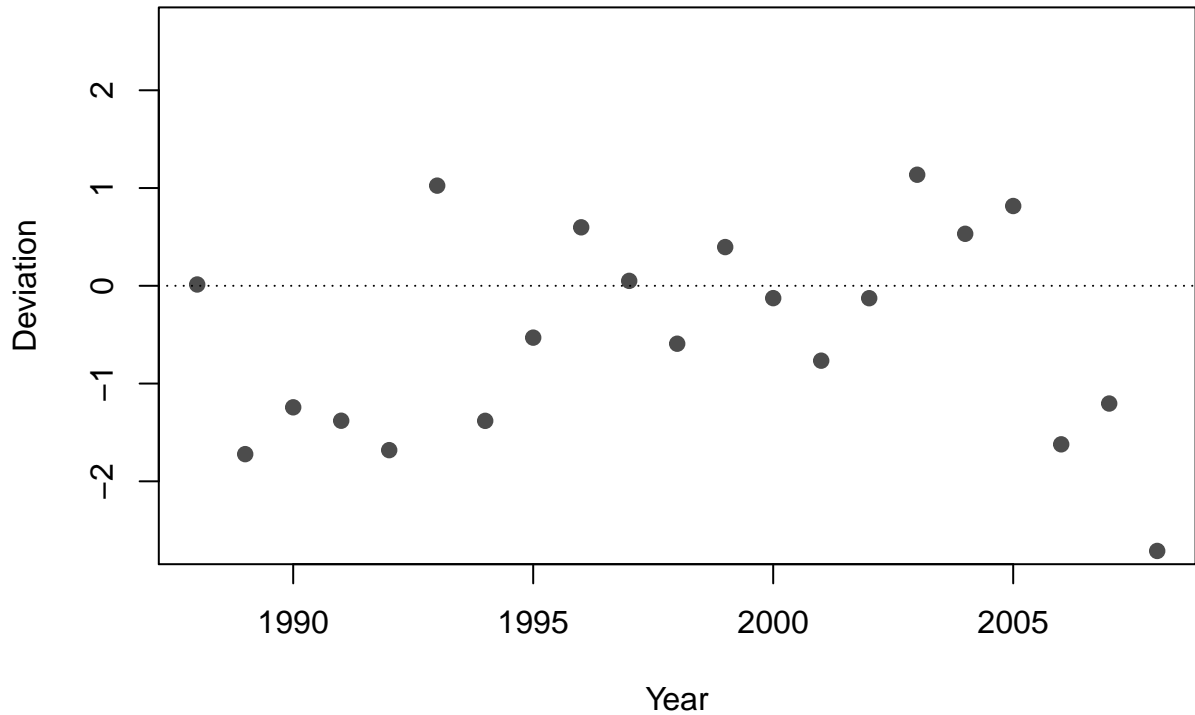


Log index

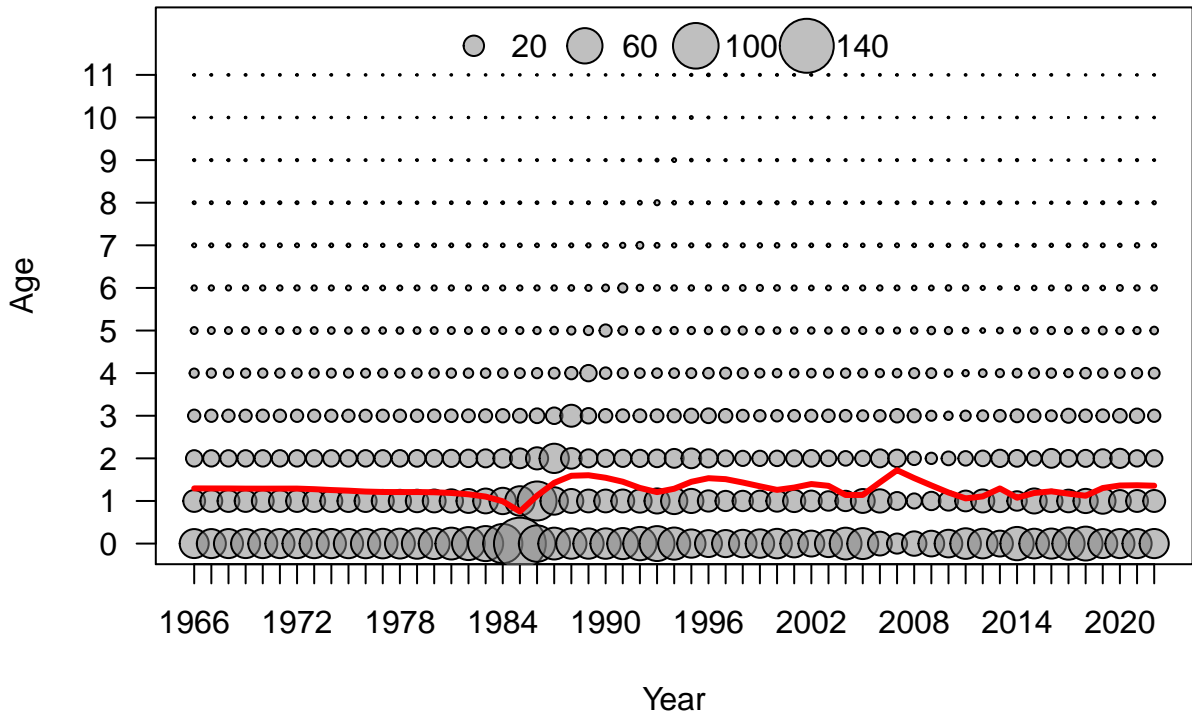




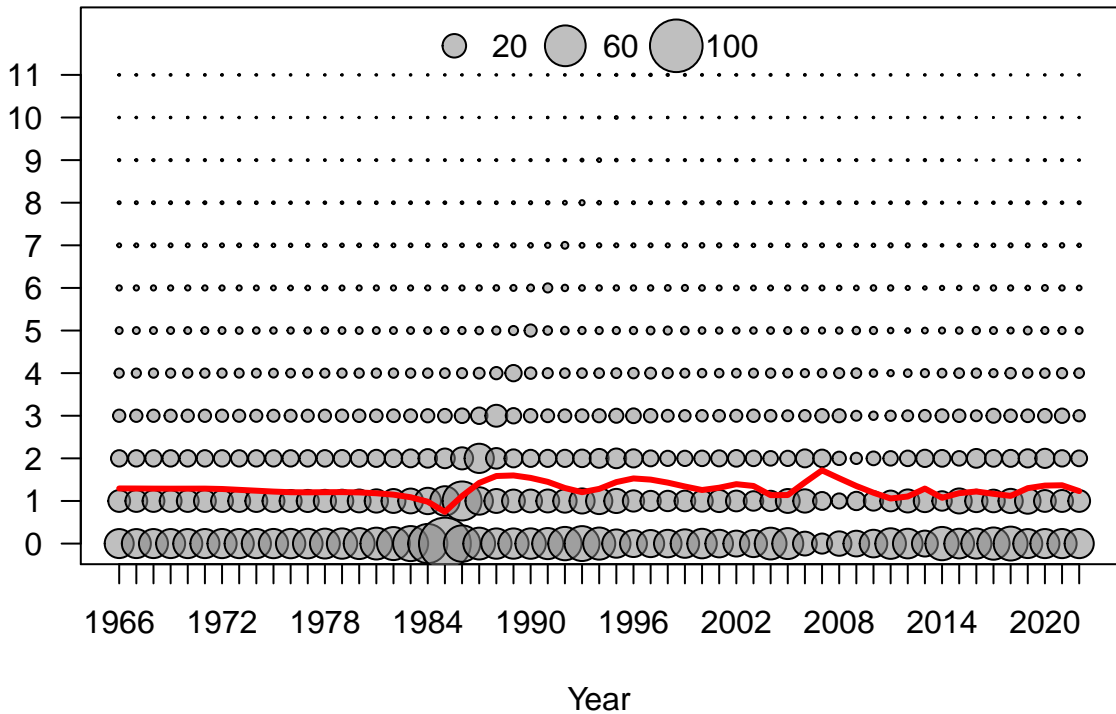




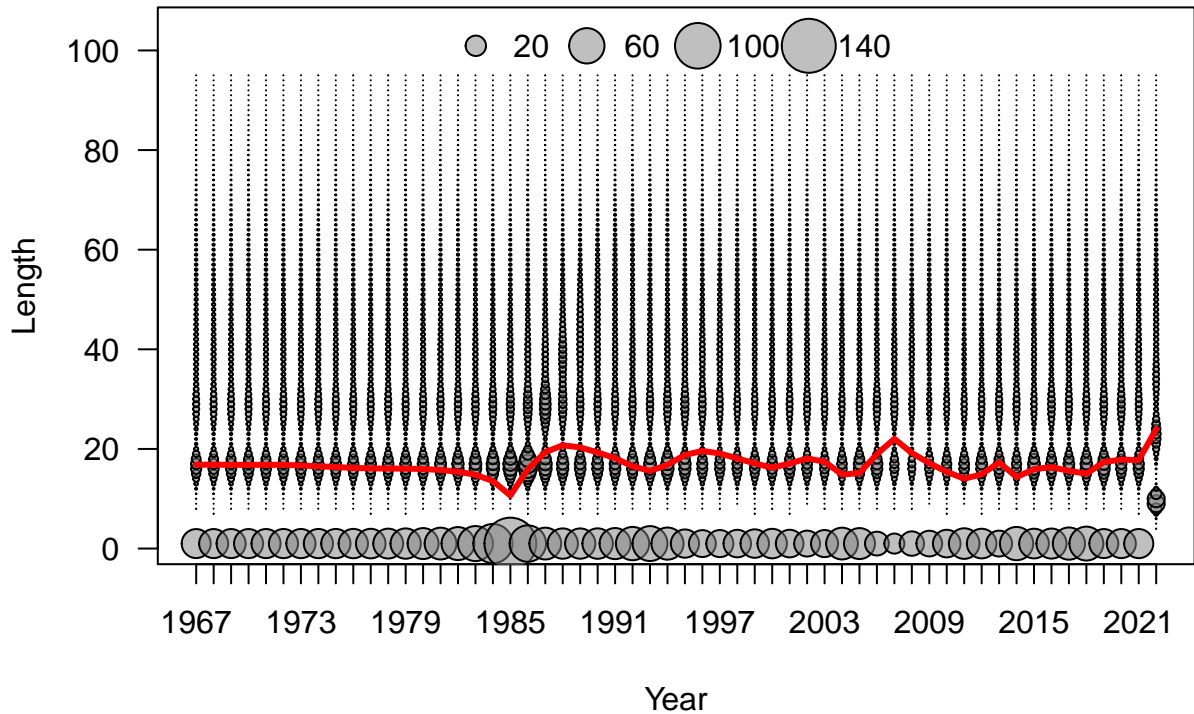


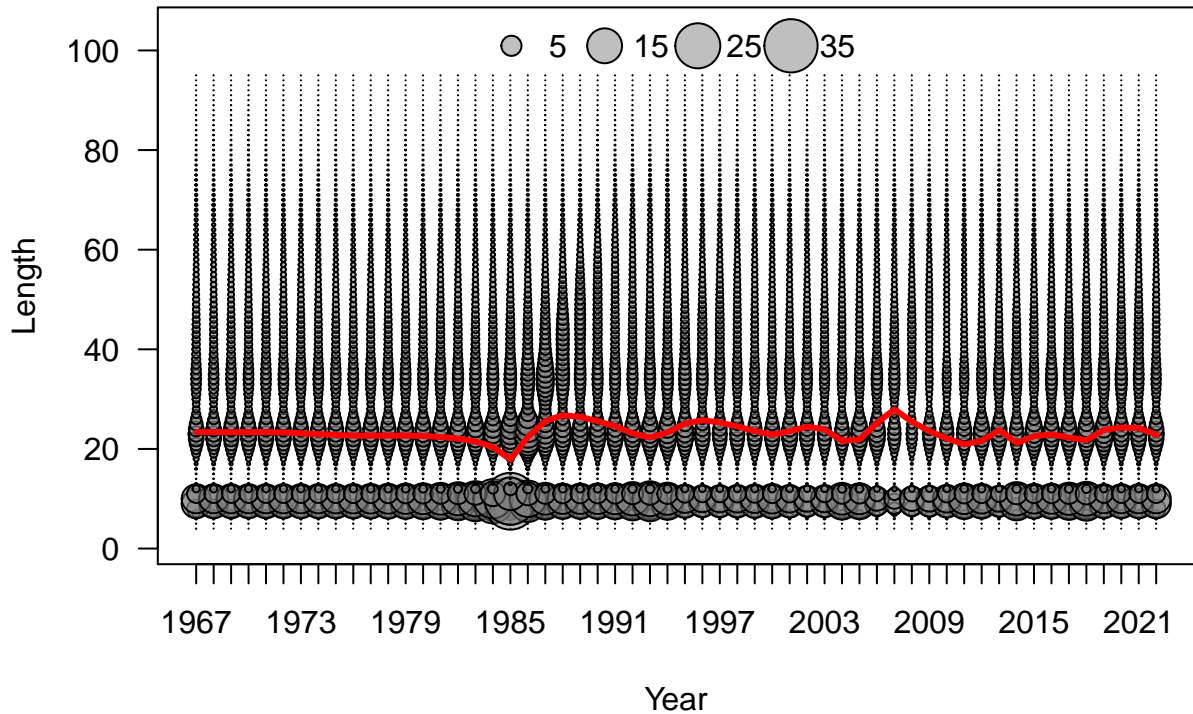


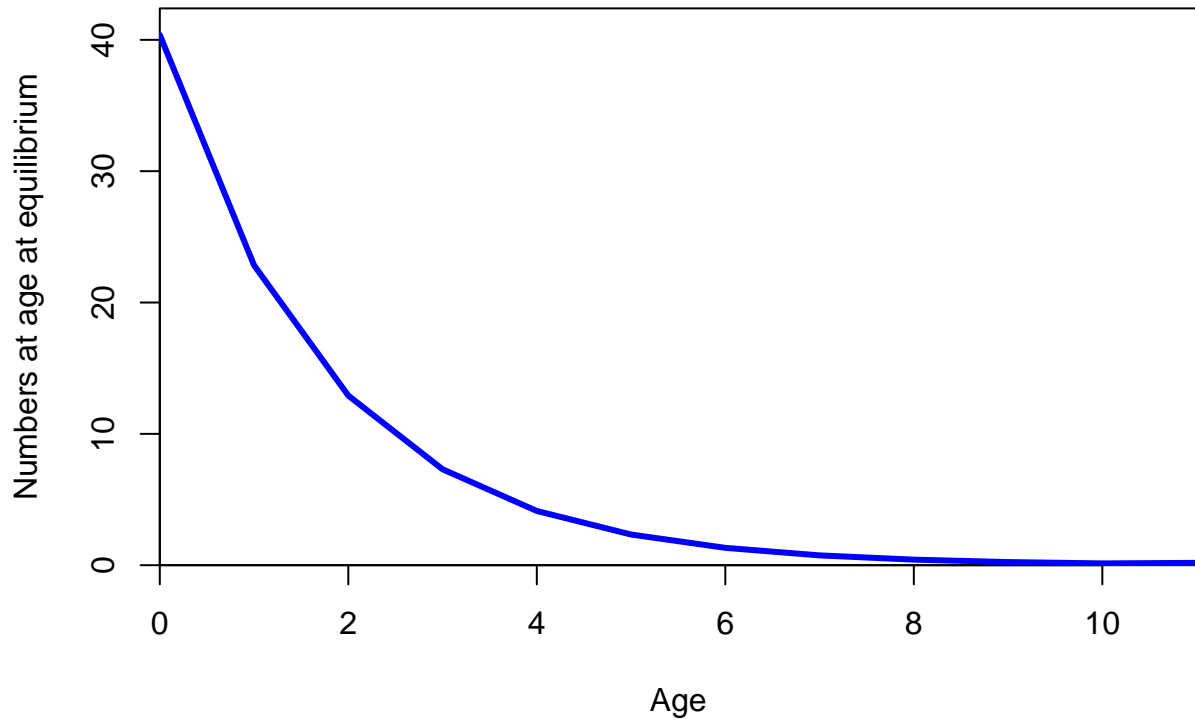
Age





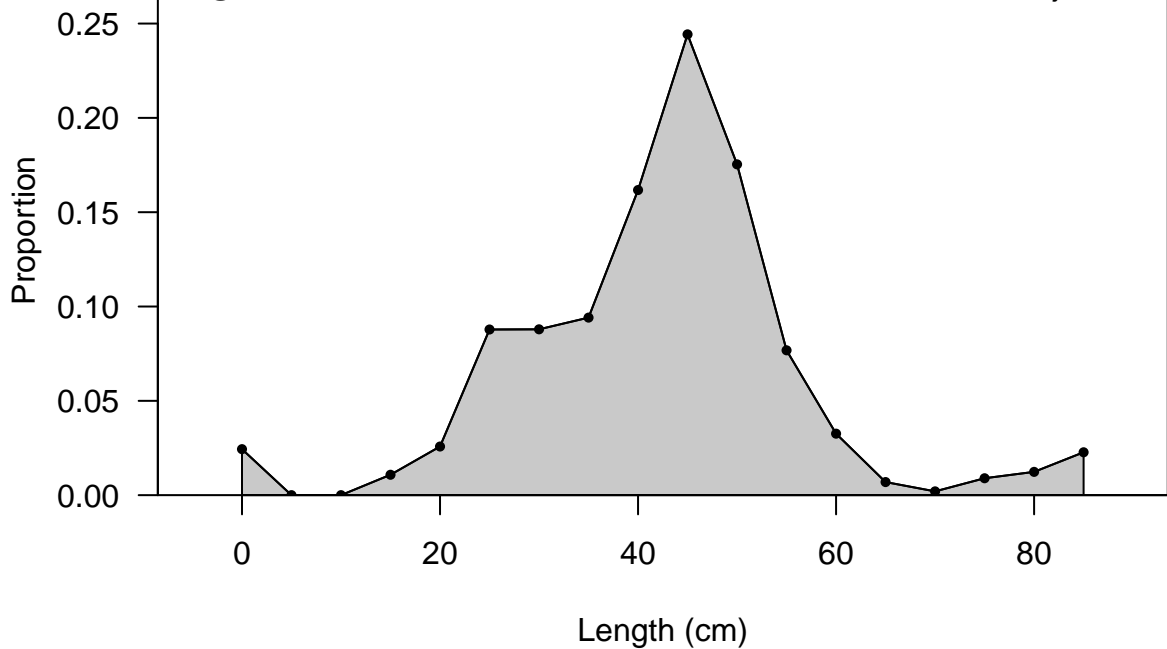


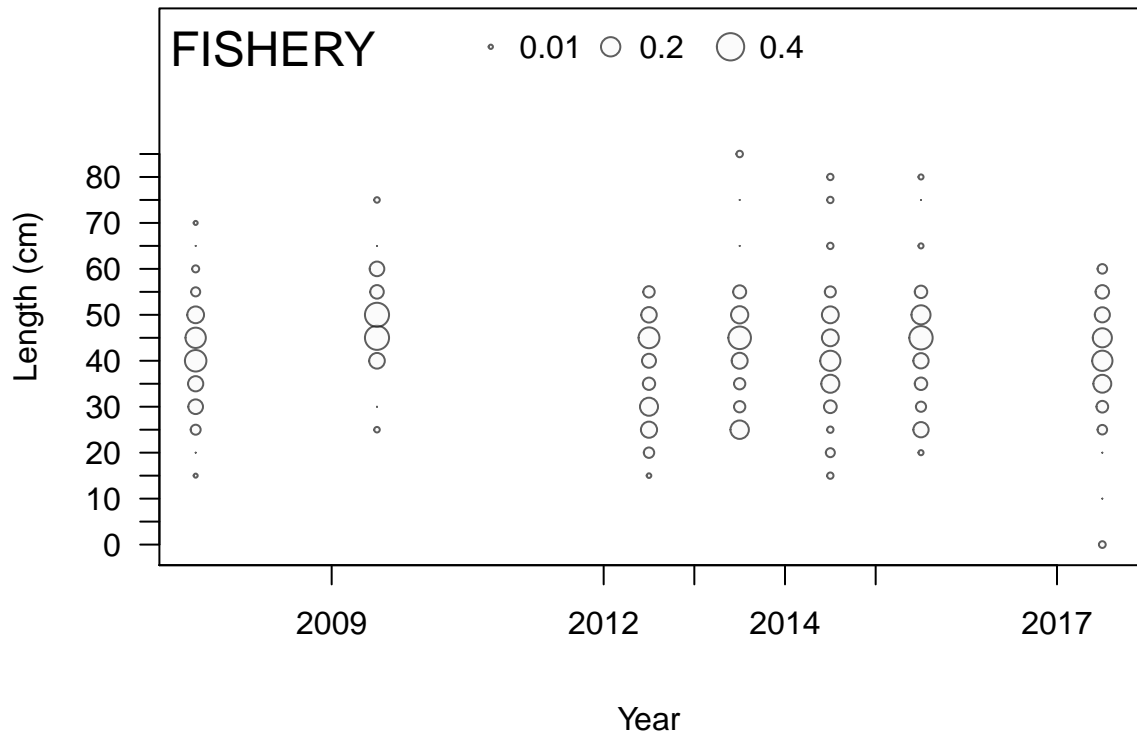




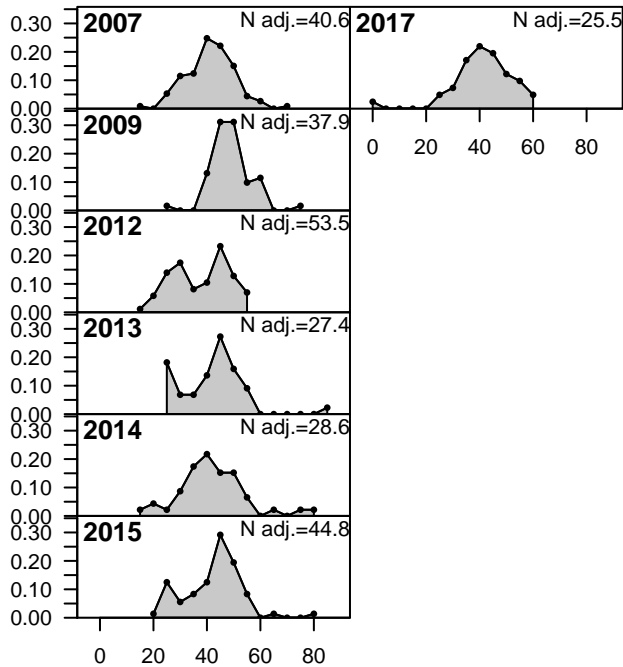
# FISHERY

Sum of N adj.=258.1





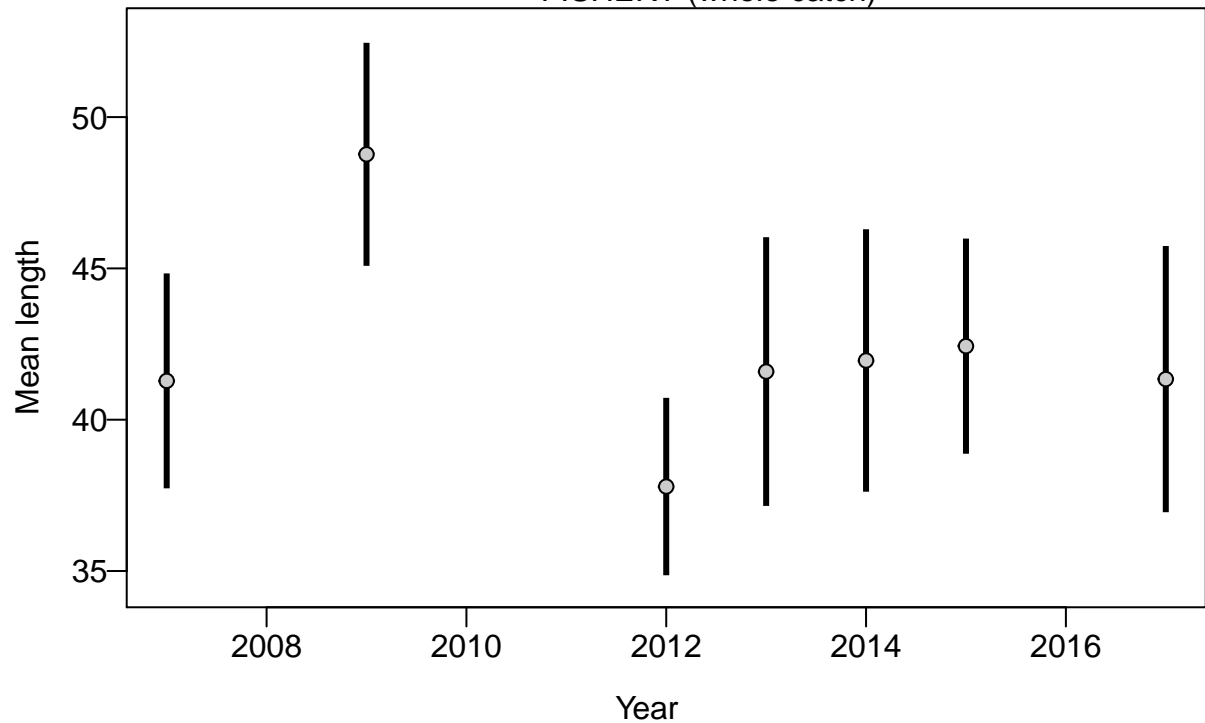
Proportion



Length (cm)



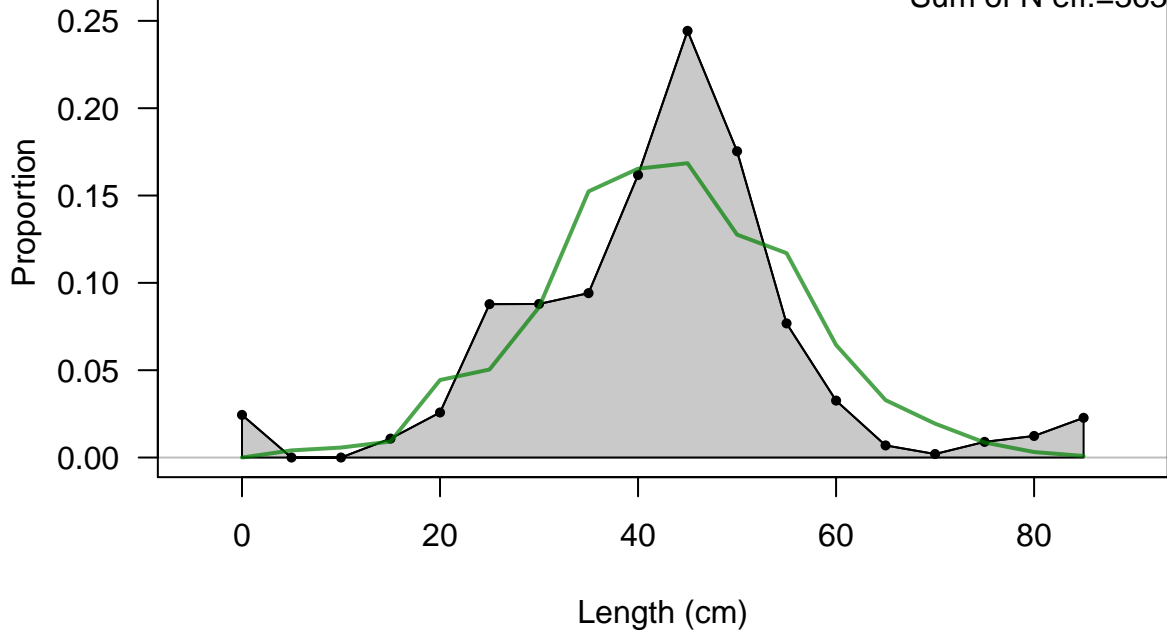
FISHERY (whole catch)

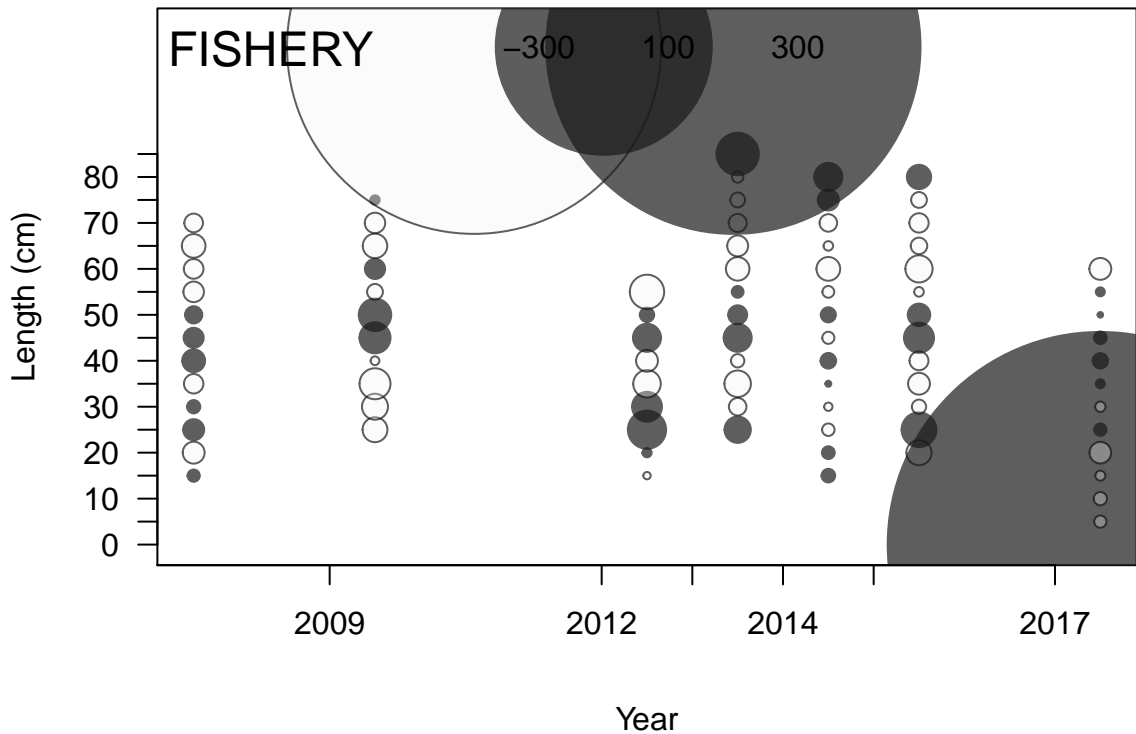




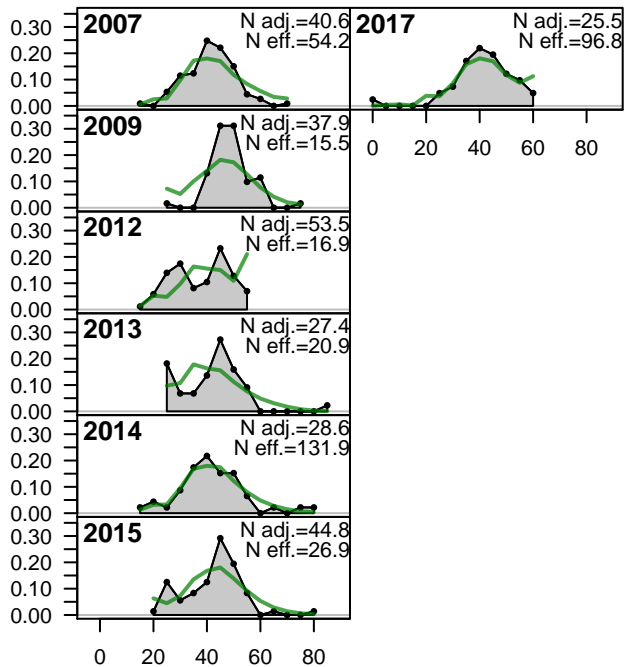
# FISHERY

Sum of N adj.=258.1  
Sum of N eff.=363

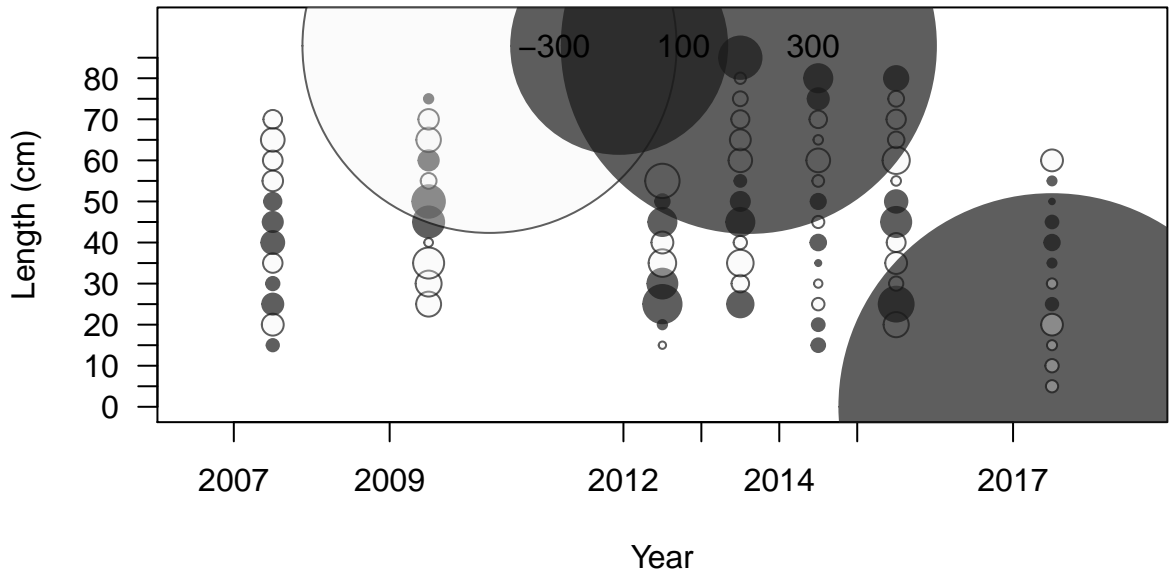




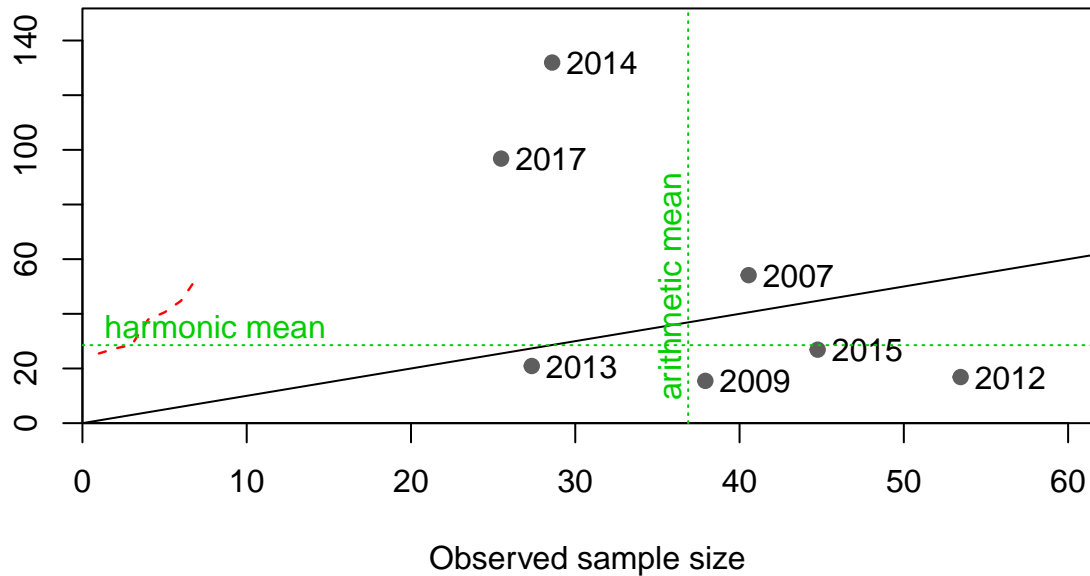
Proportion



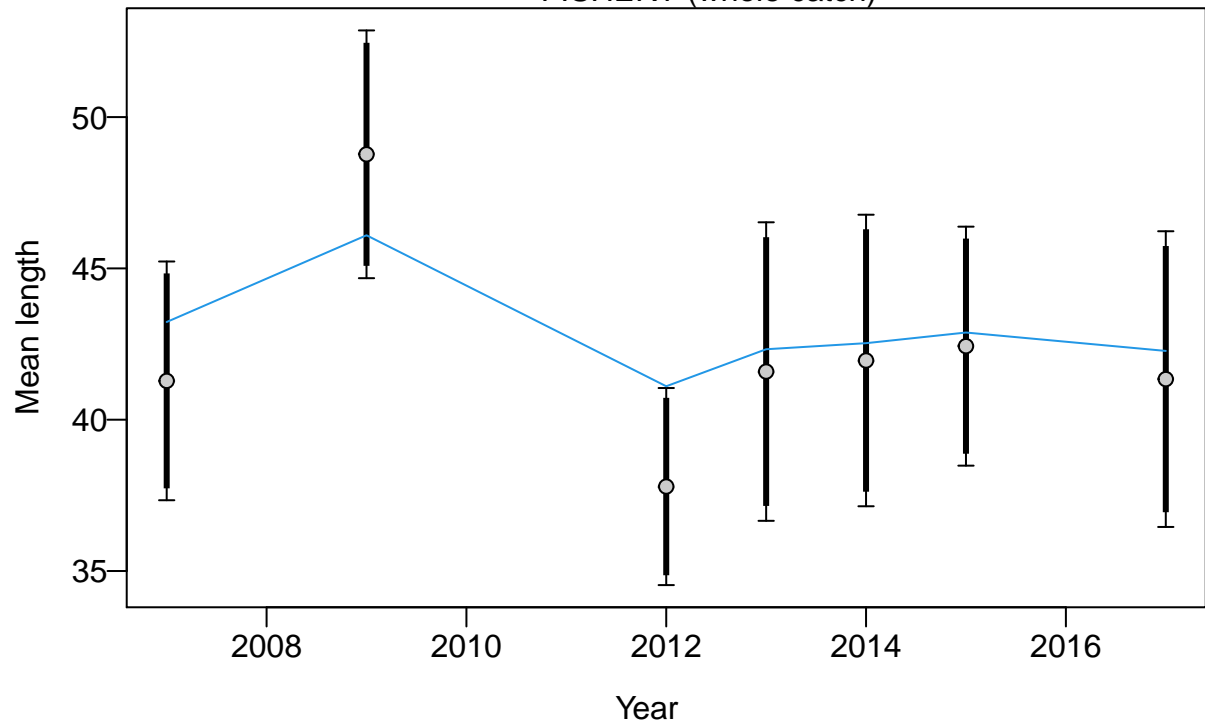
Length (cm)

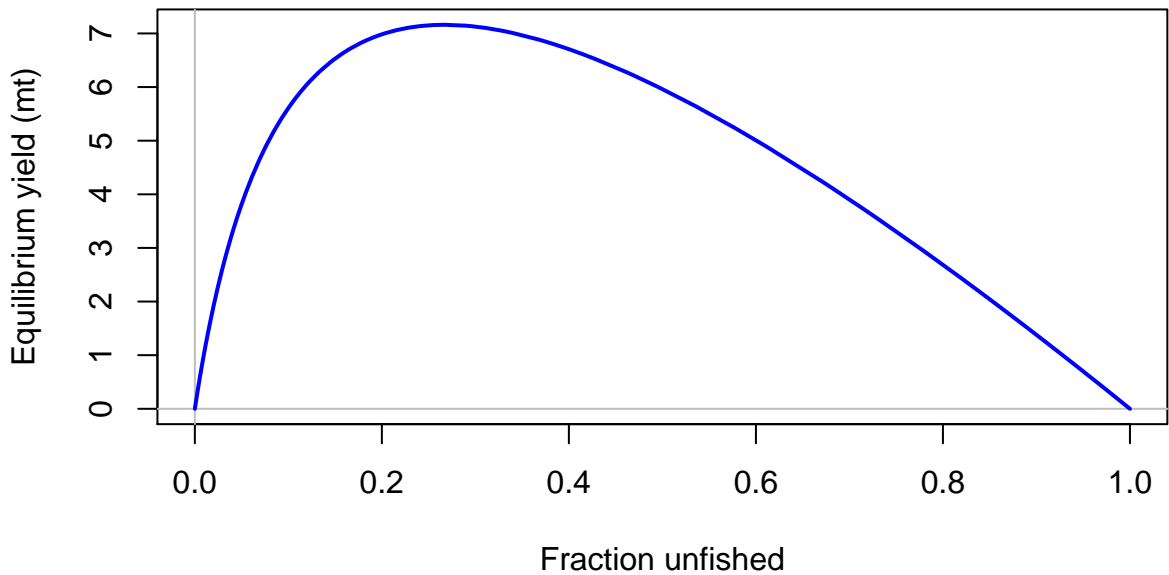


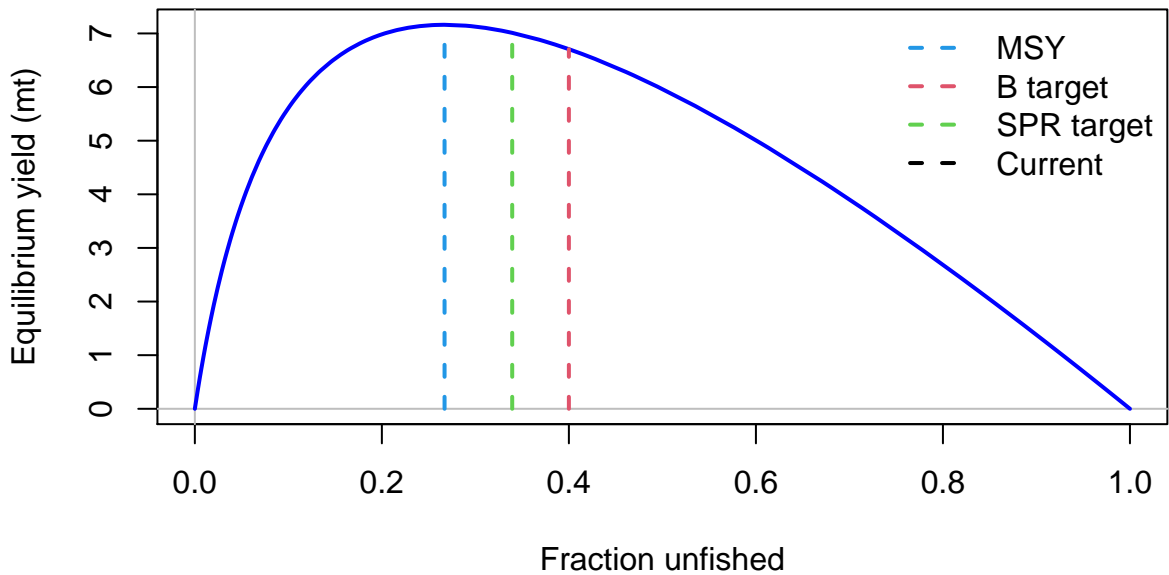
Effective sample size



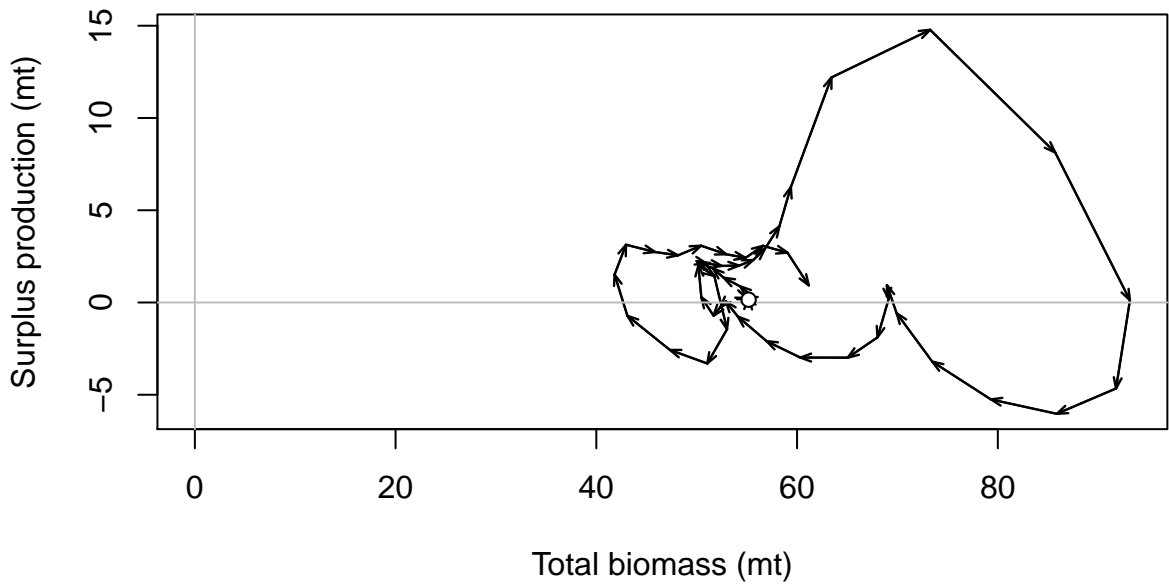
FISHERY (whole catch)

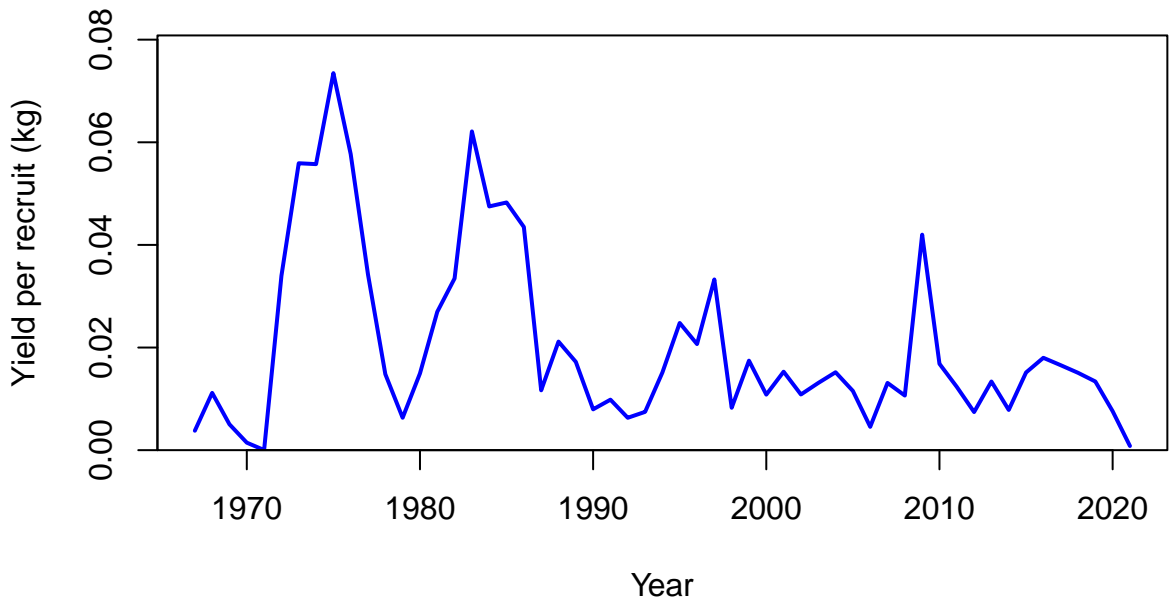


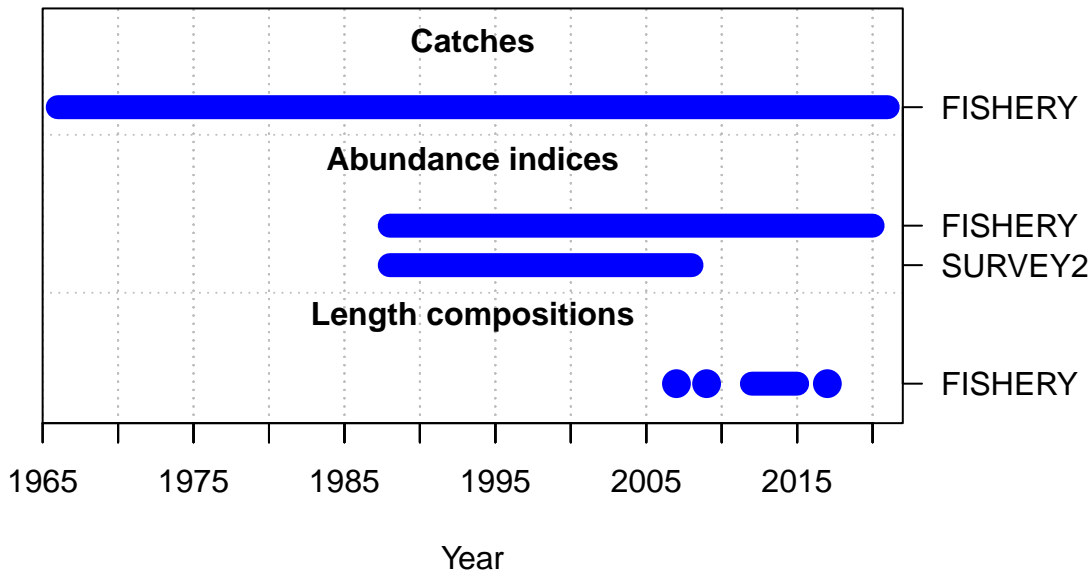


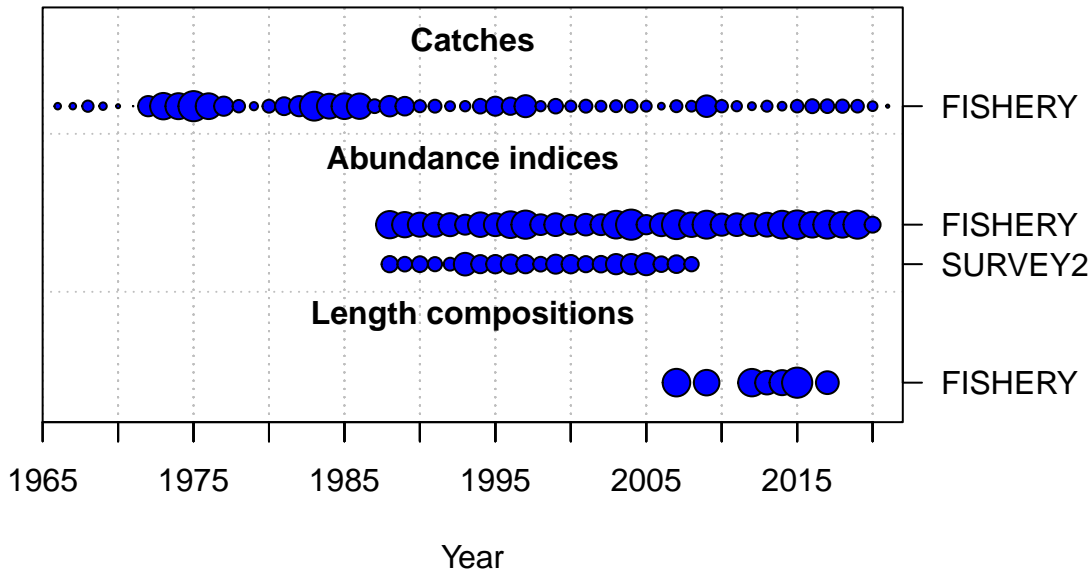






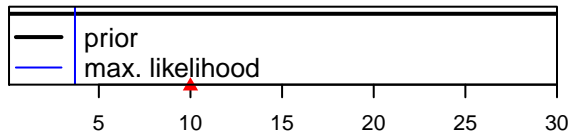




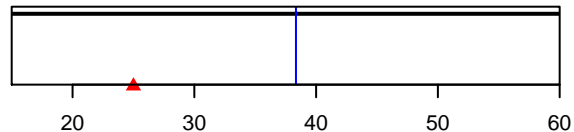


Density

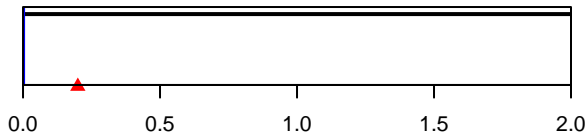
SR\_LN(R0)



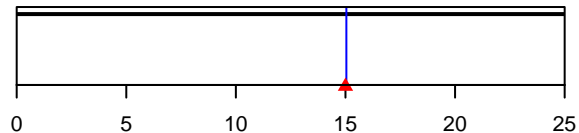
Size\_inflection\_FISHERY(1)



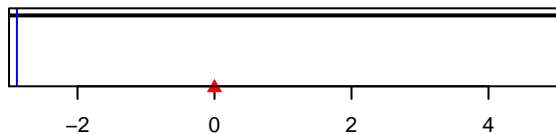
InitF\_seas\_1\_flt\_1FISHERY



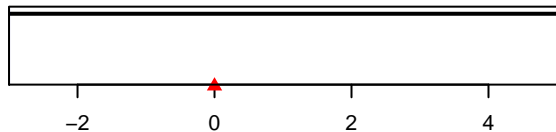
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value