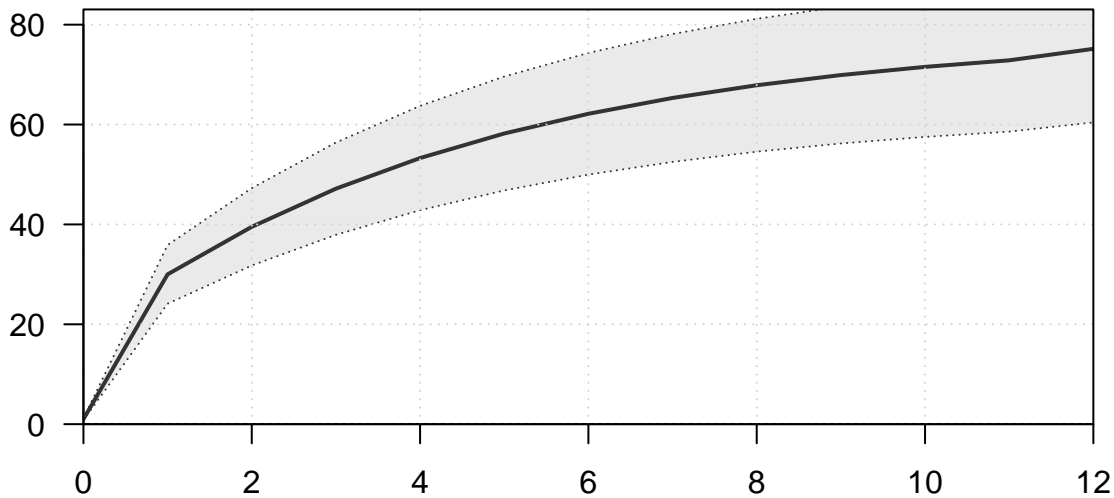
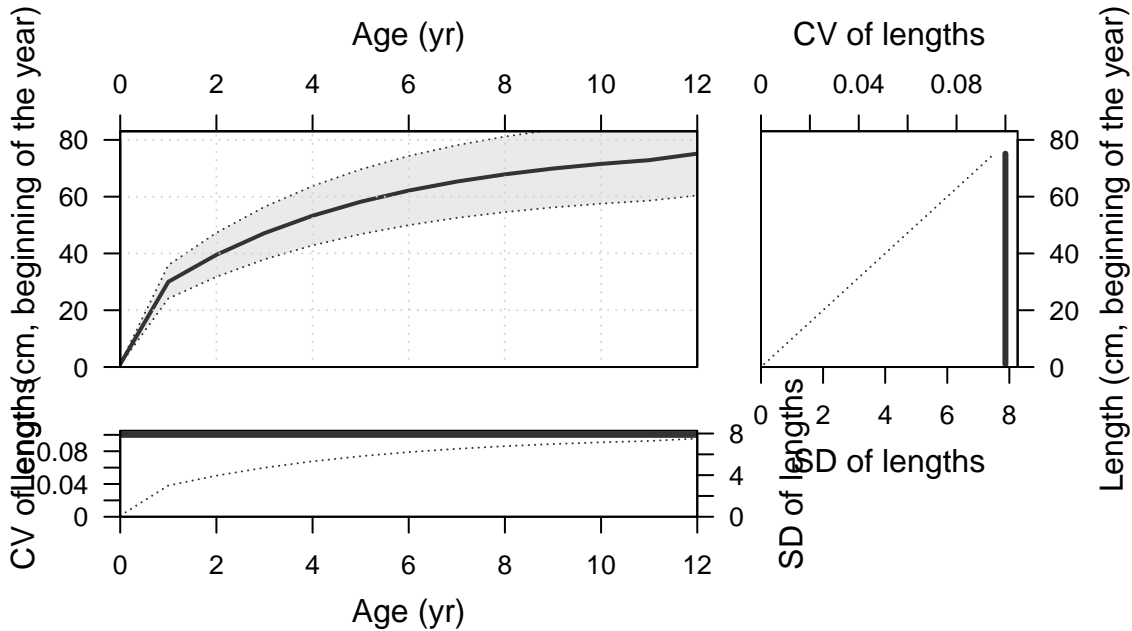


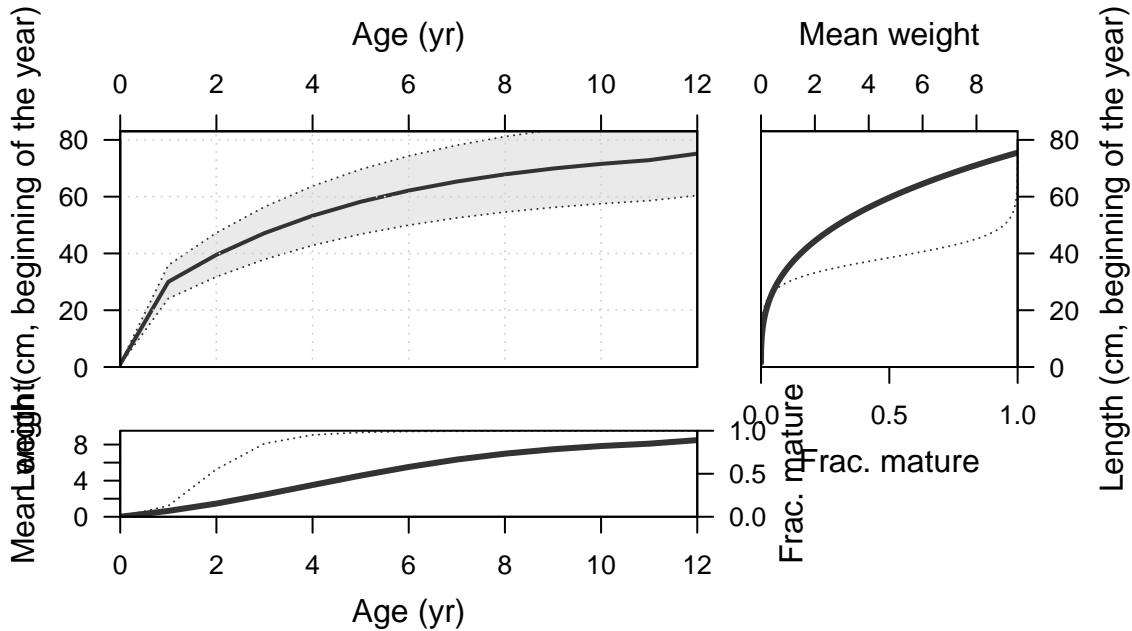
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Tue Jul 12 08:41:08 2022  
Data\_File: data.ss  
Control\_File: control.ss

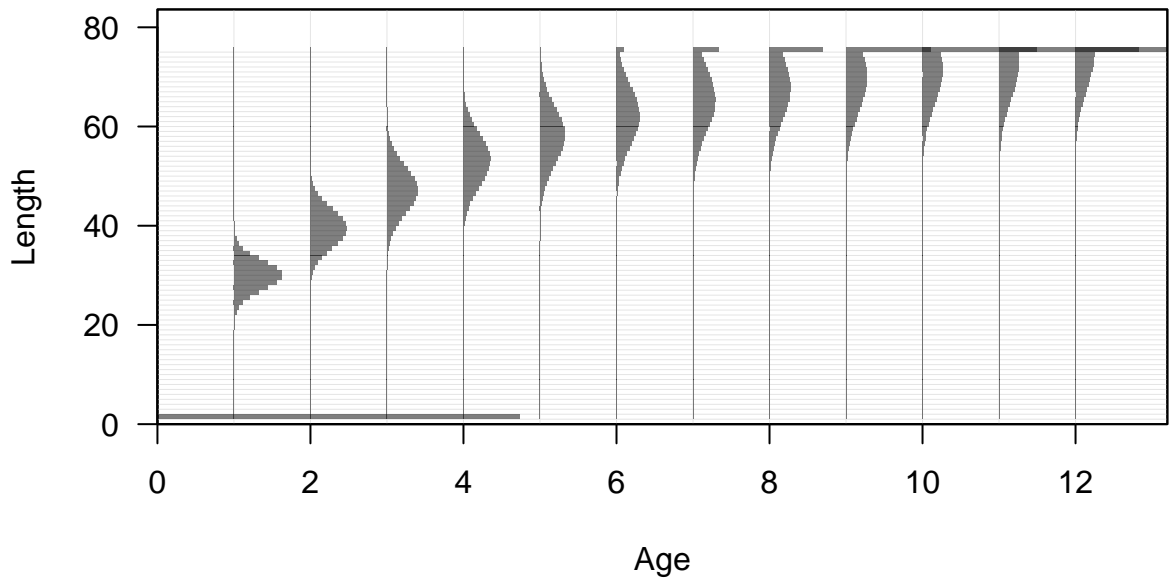
Length (cm, beginning of the year)

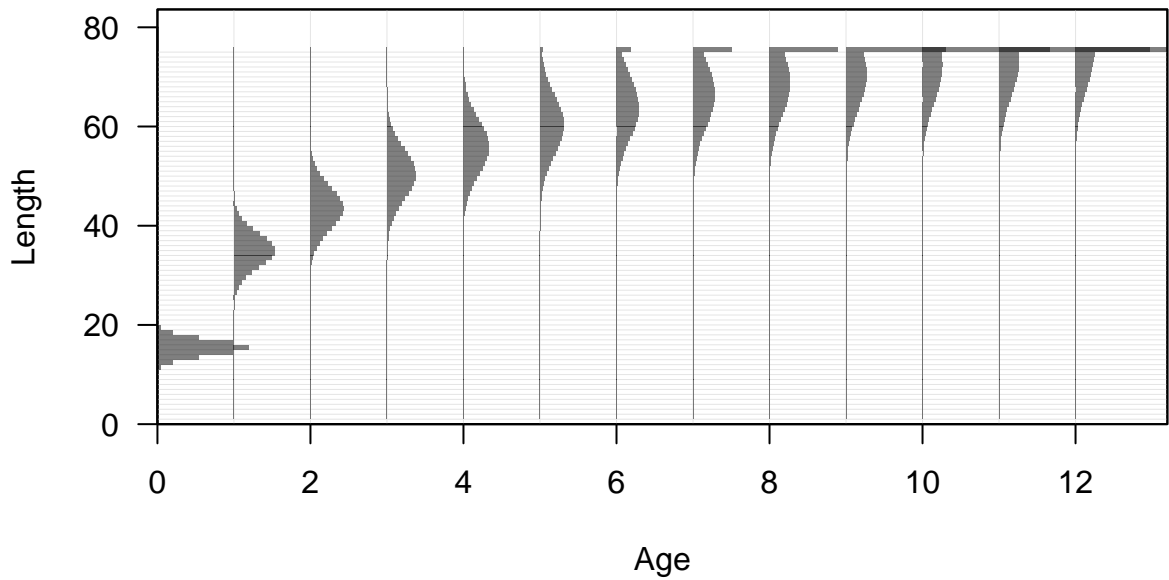


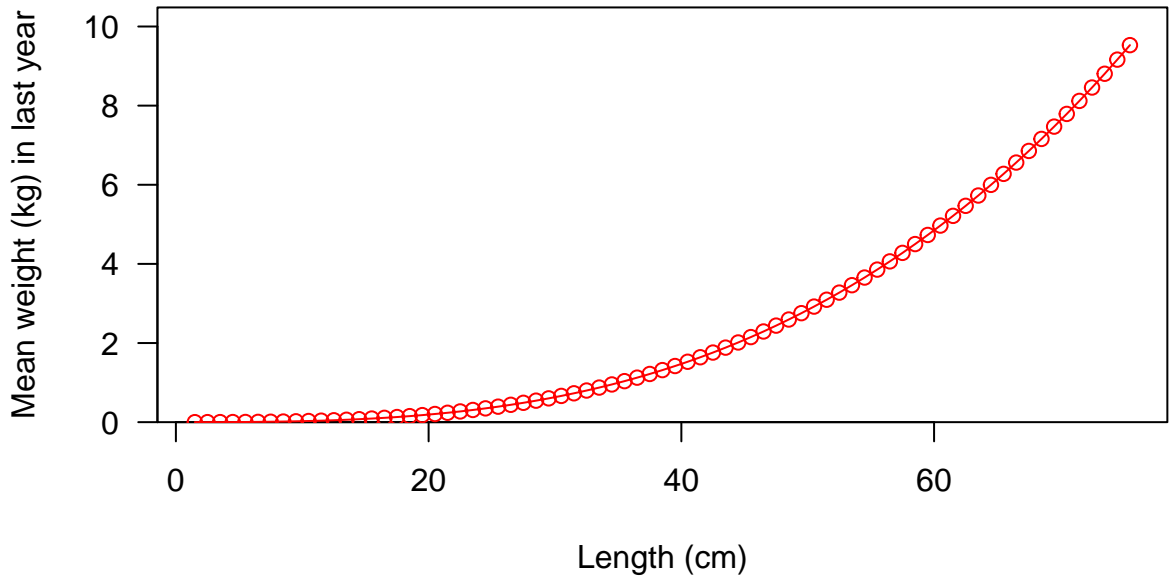
Age (yr)

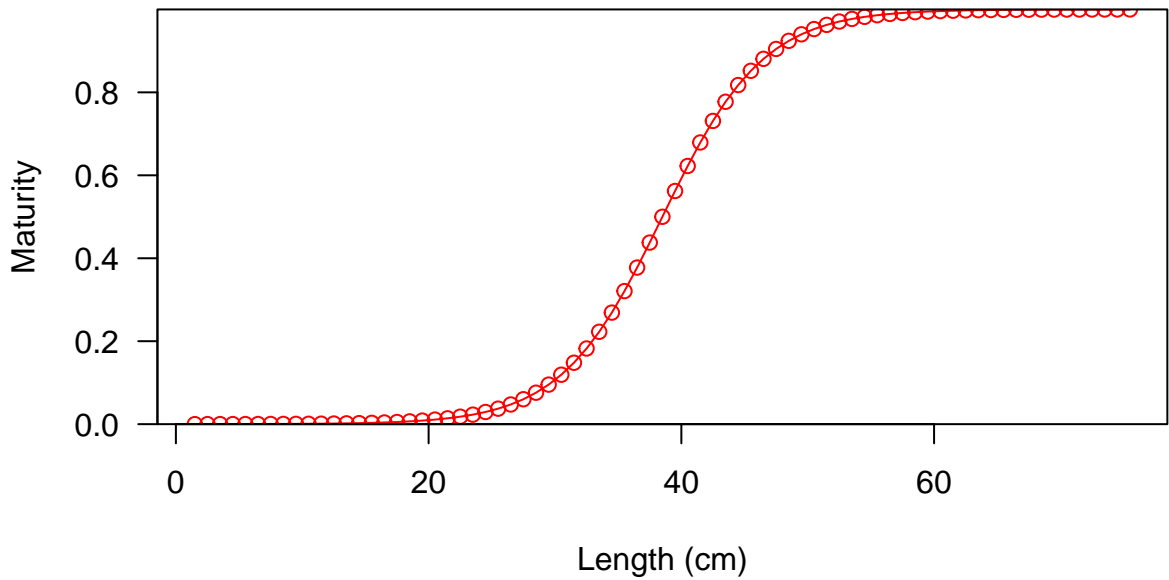




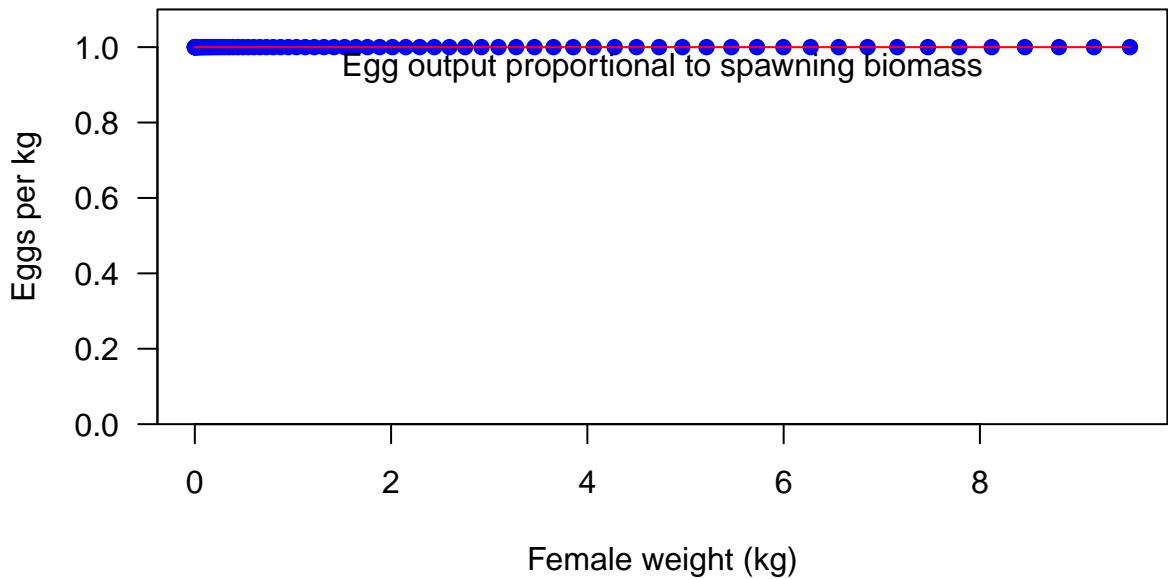




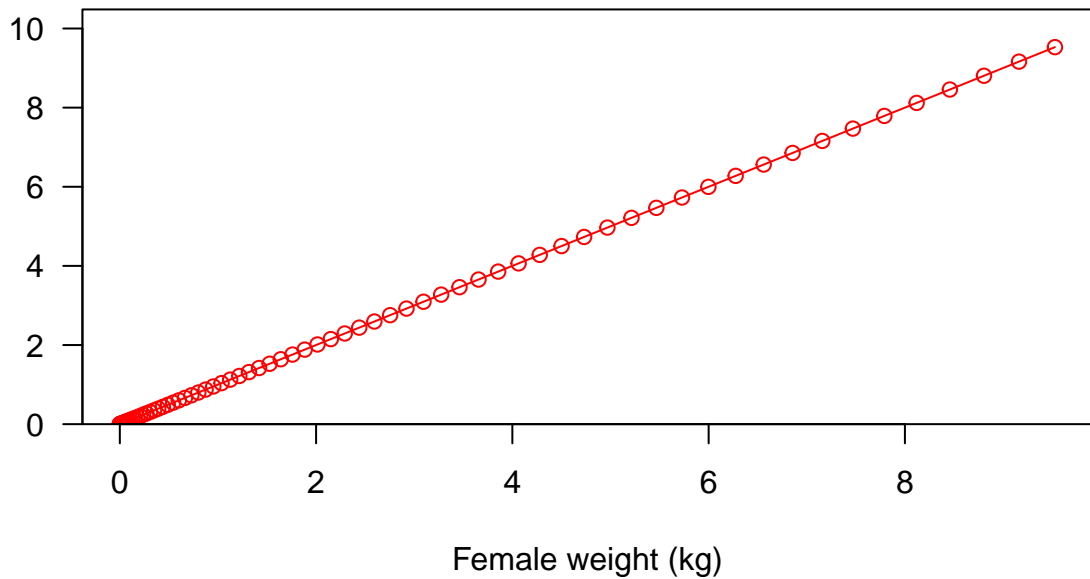




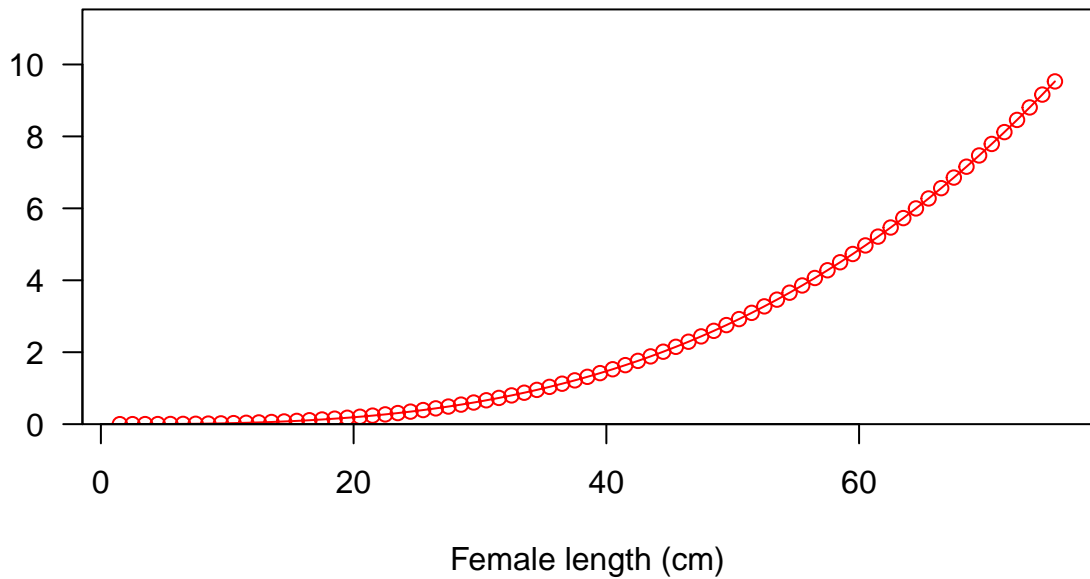




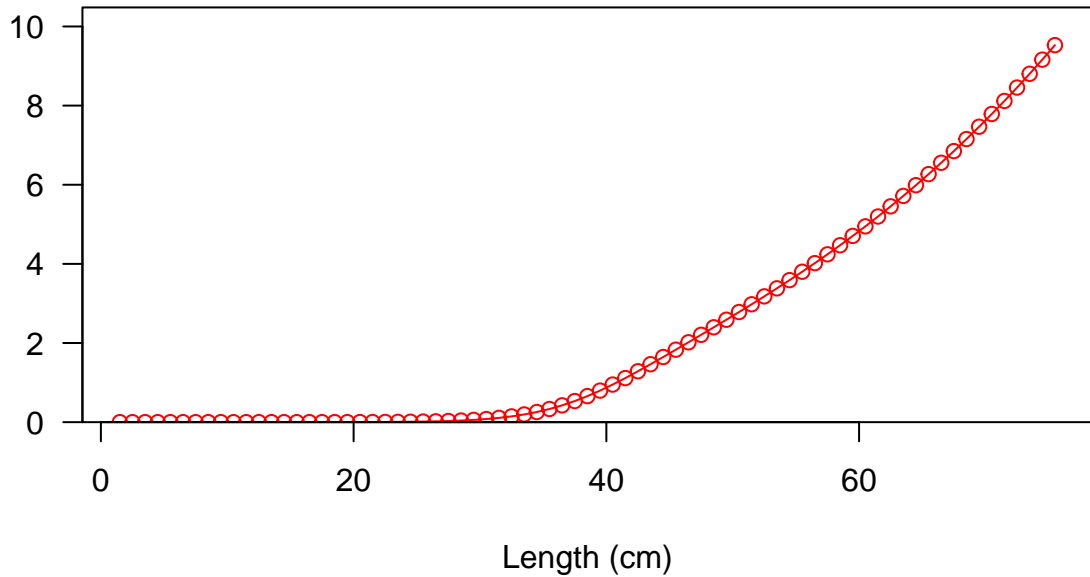
Fecundity



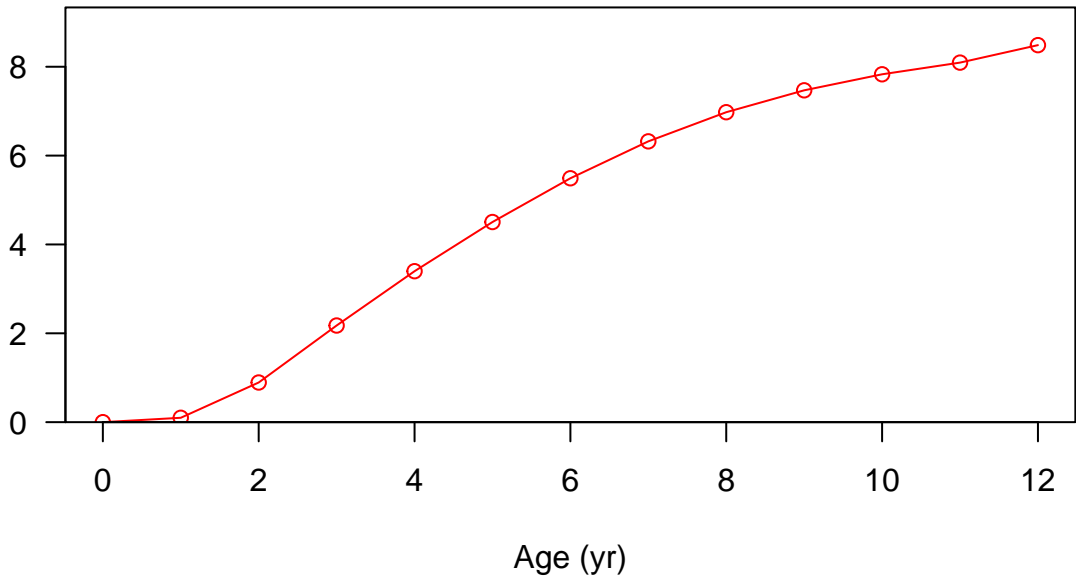
Fecundity



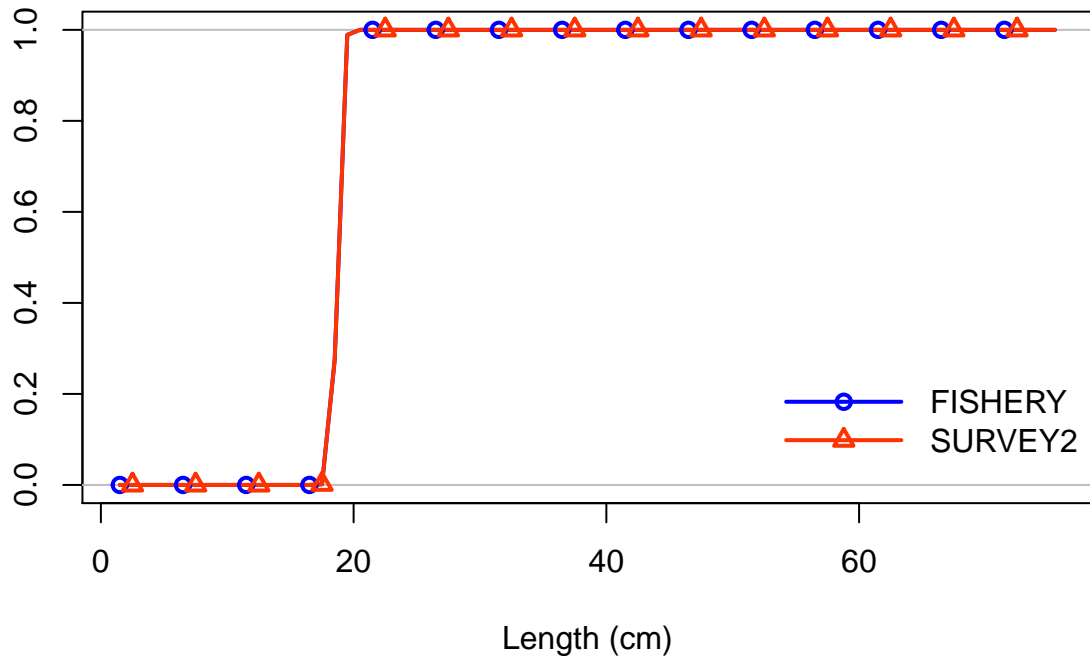
Spawning output



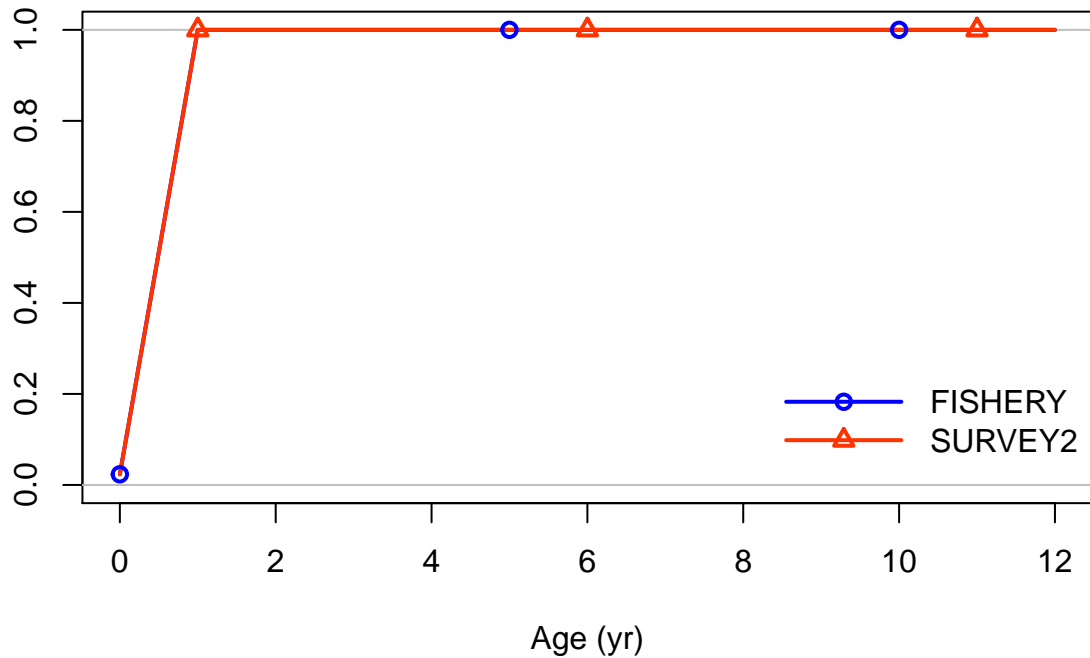
Spawning output



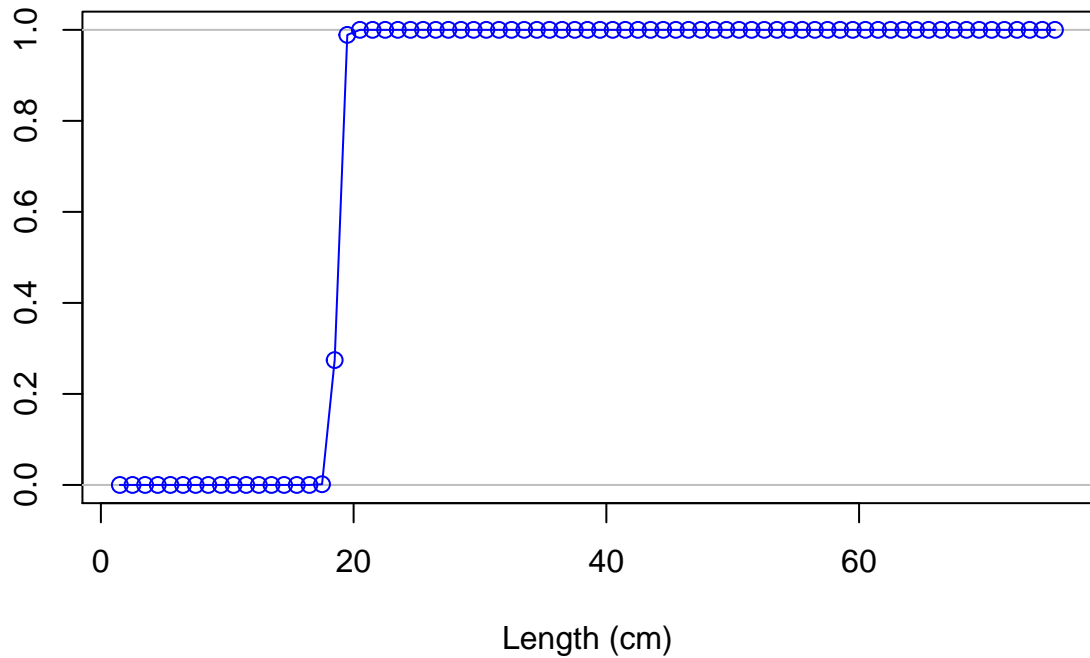
Selectivity



Selectivity

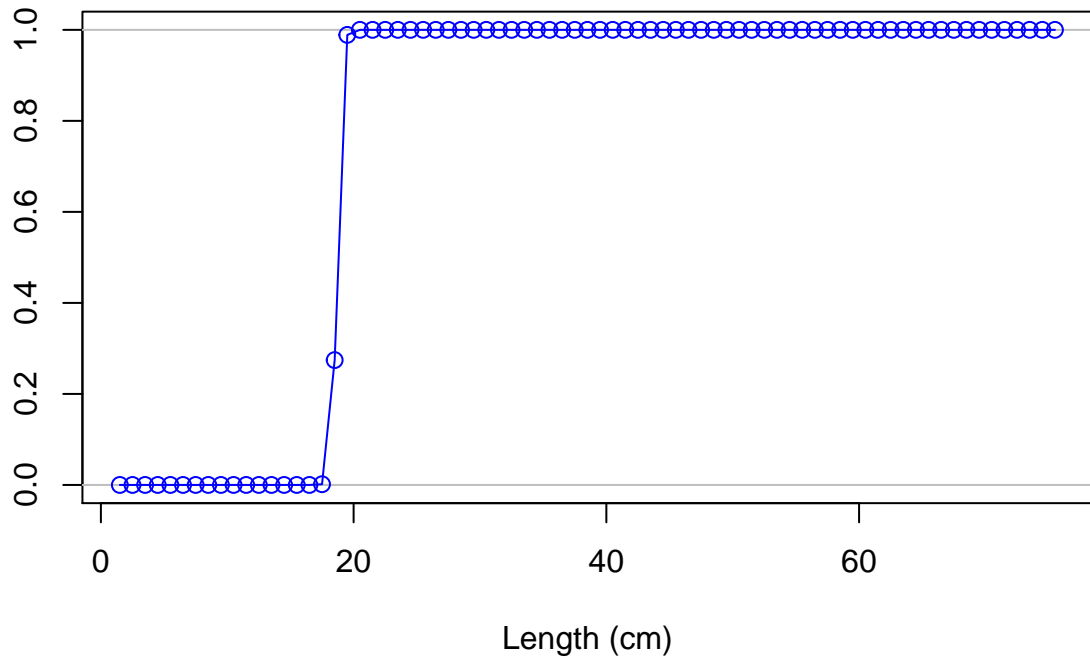


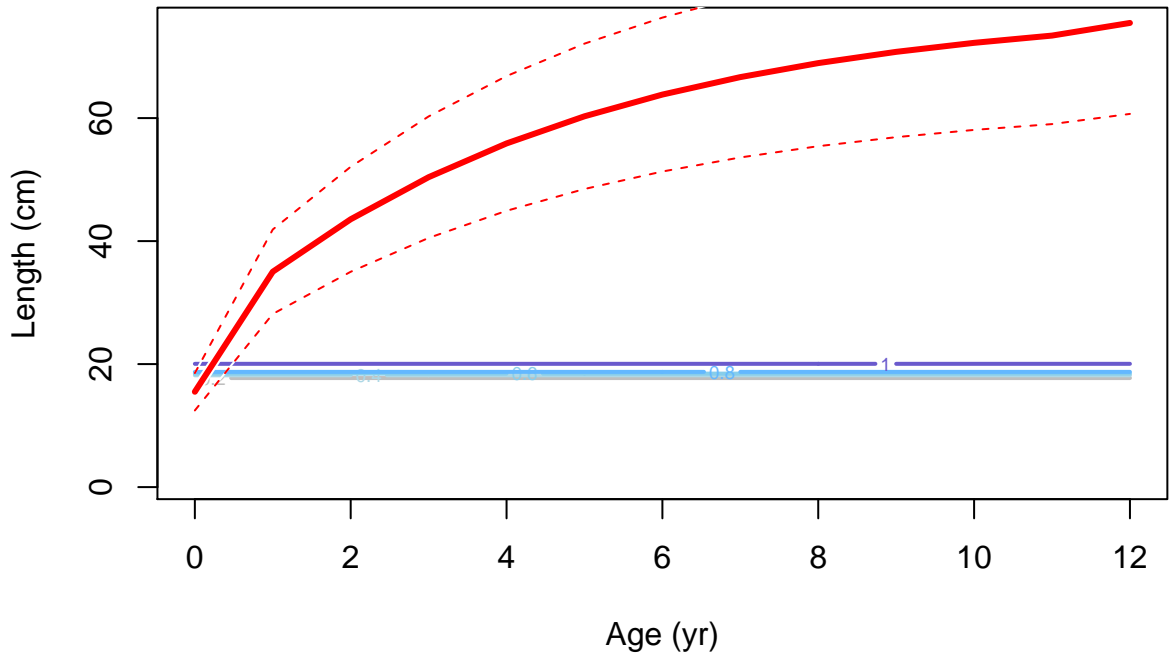
Selectivity

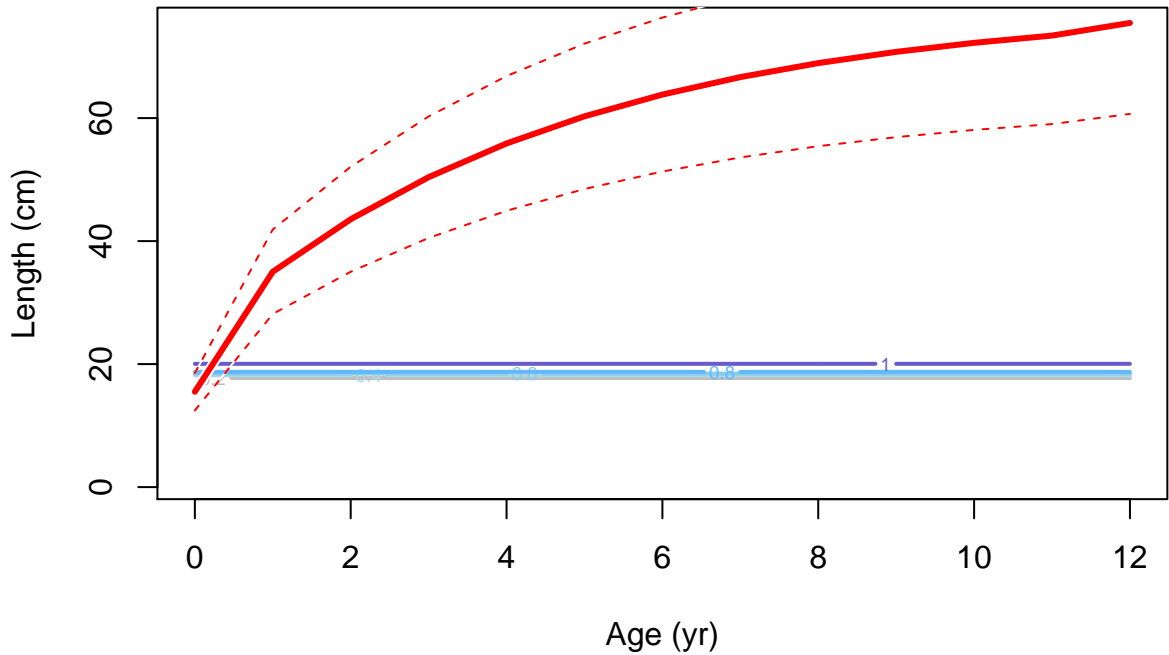




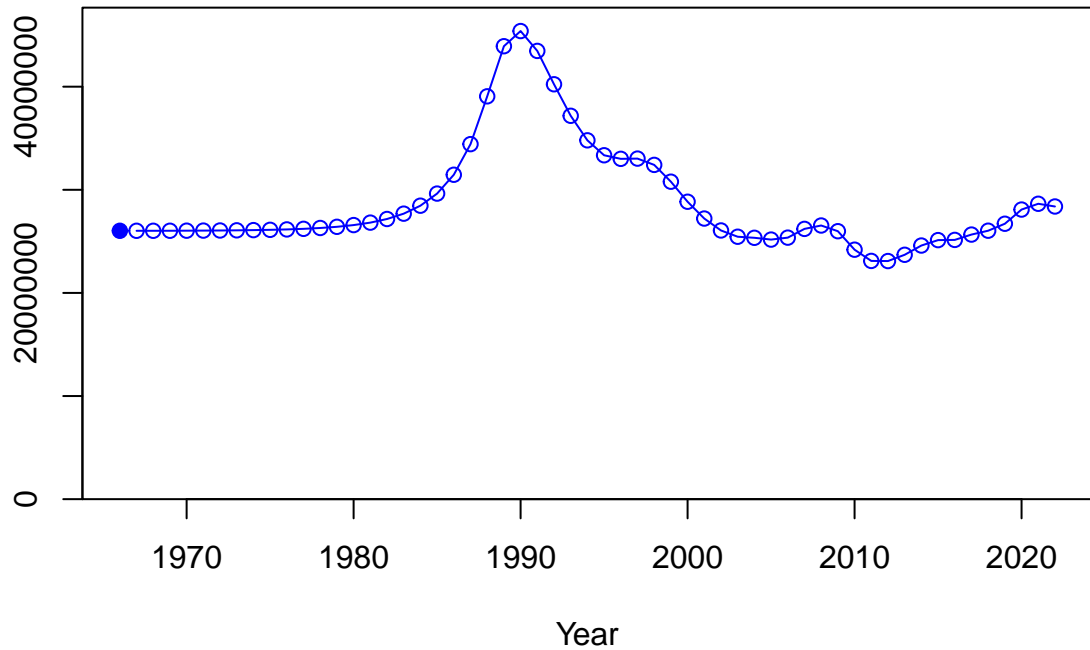
Selectivity



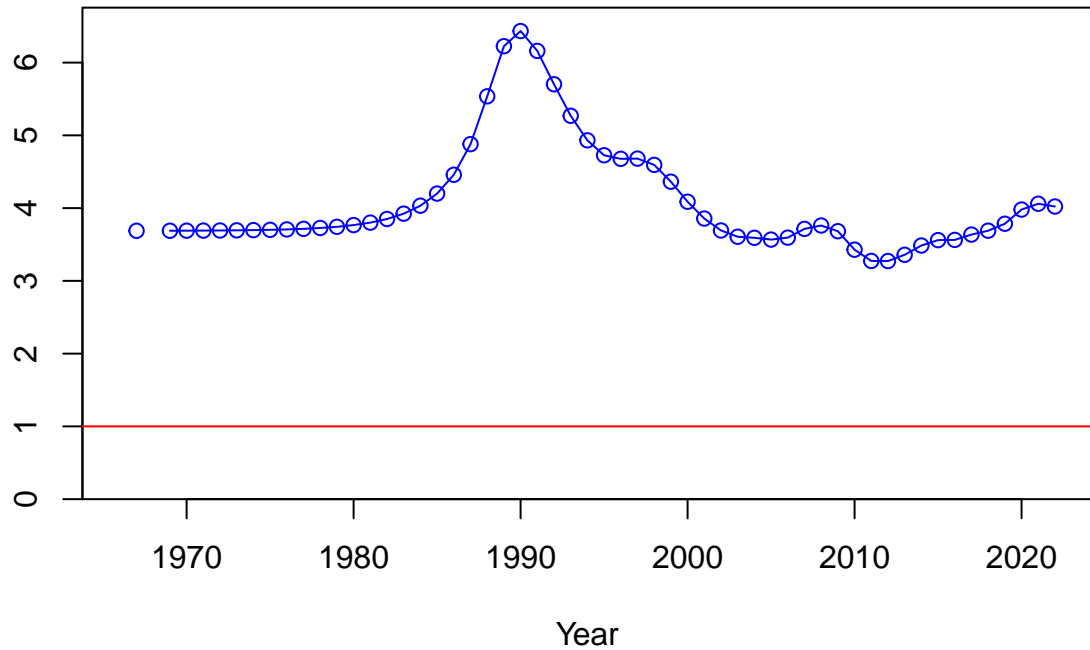


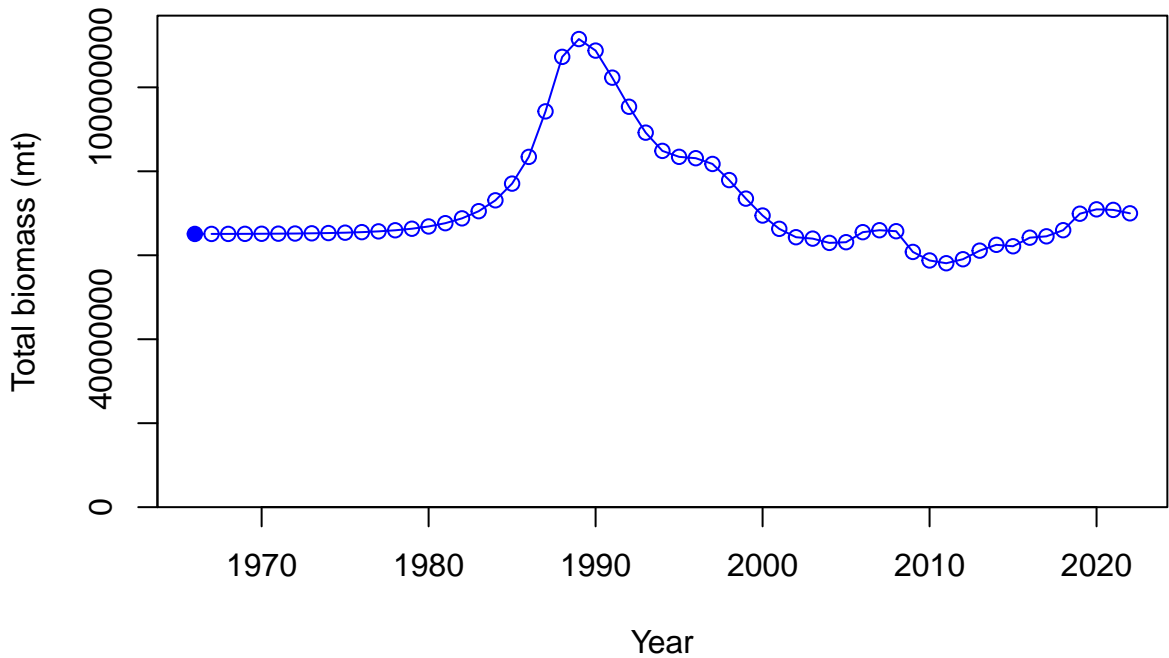


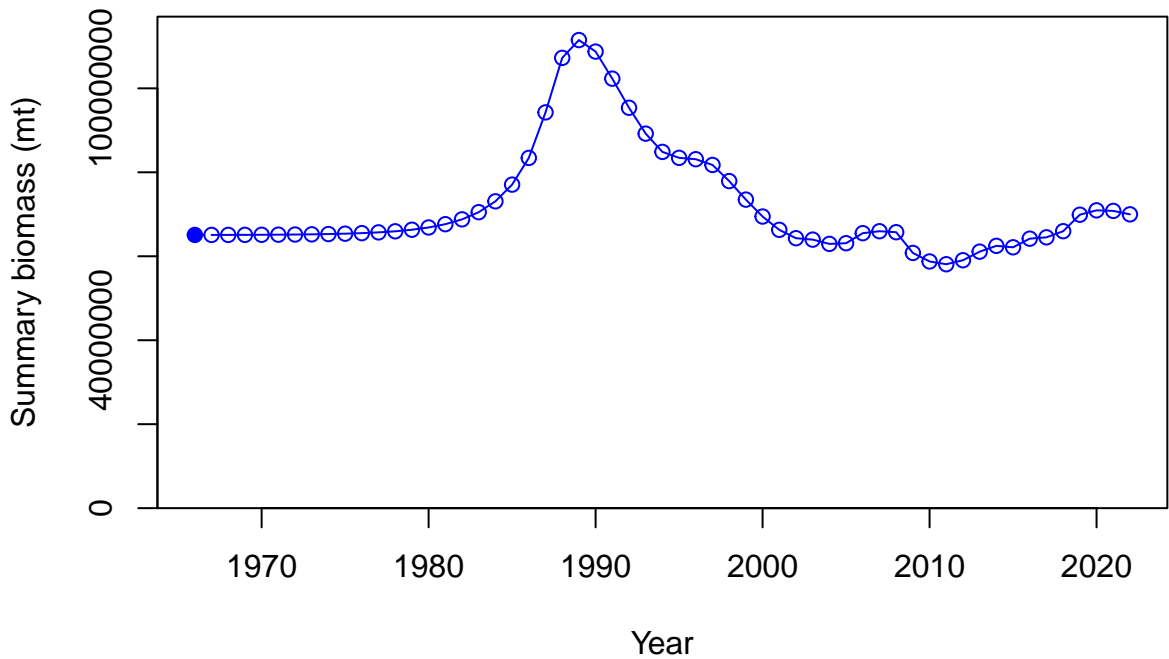
Spawning biomass (mt)



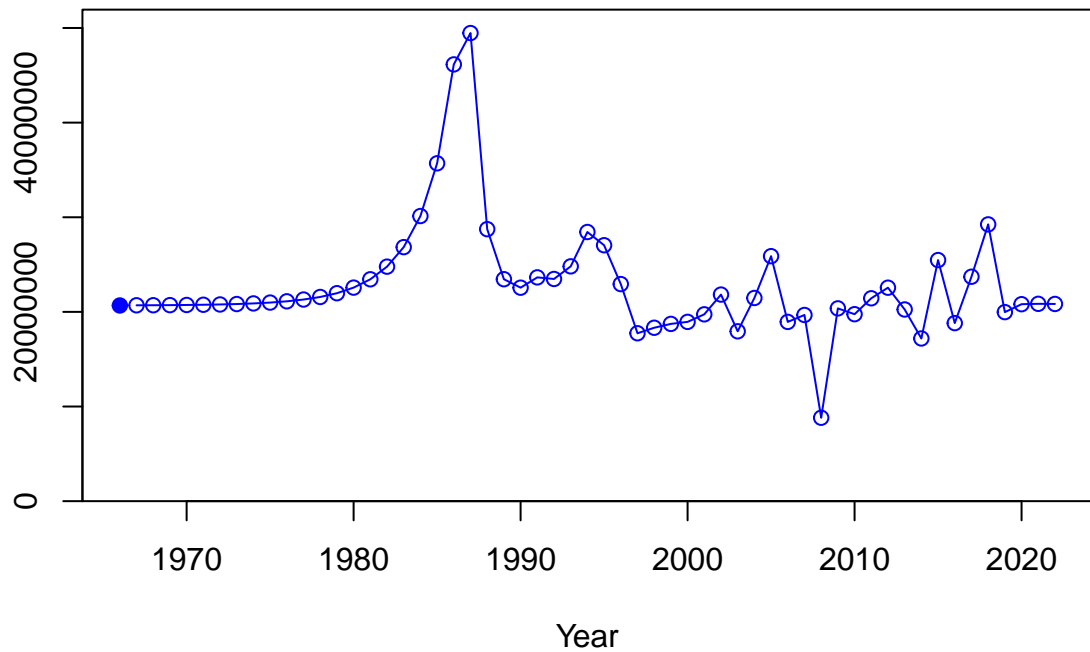
Relative spawning biomass:  $B/B_{MSY}$





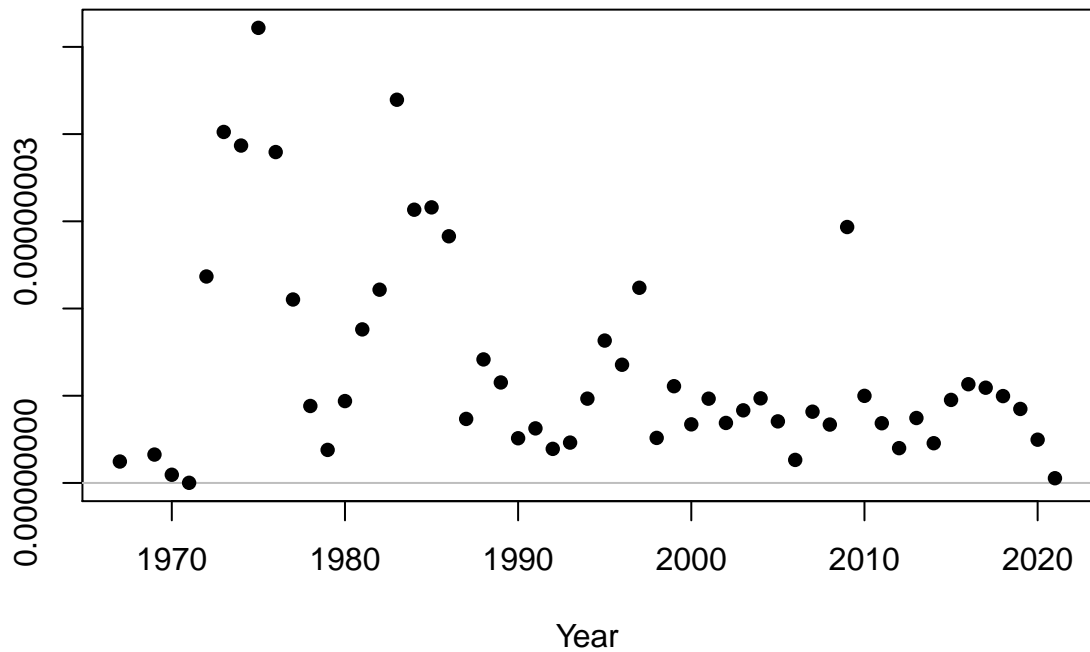


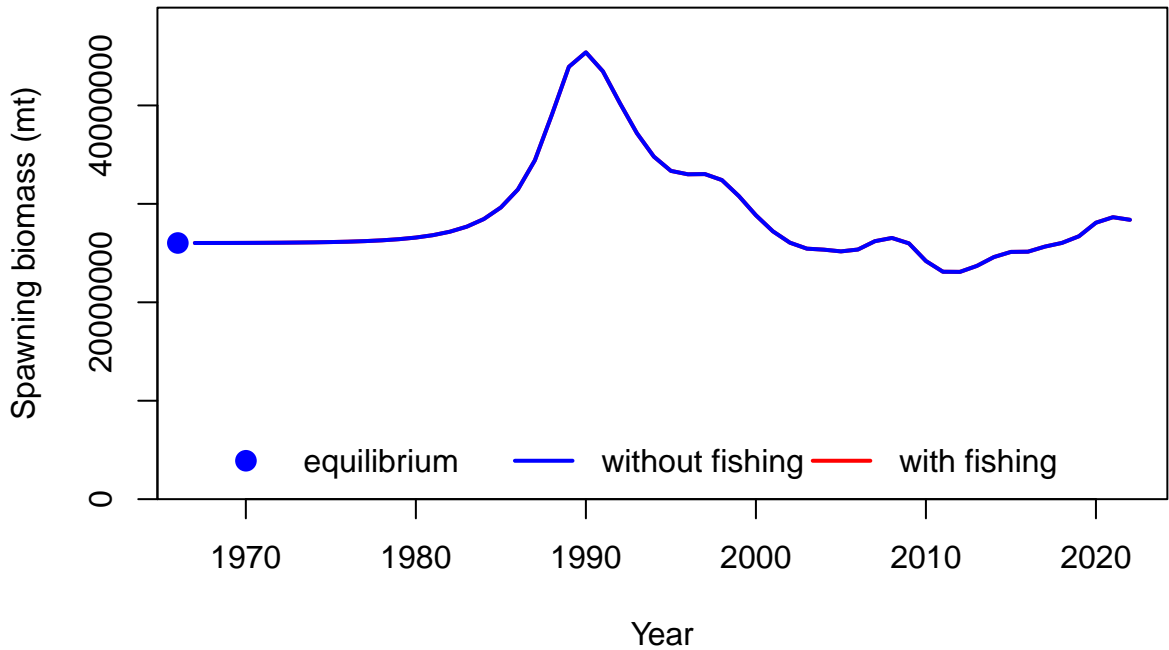
Age-0 recruits (1,000s)



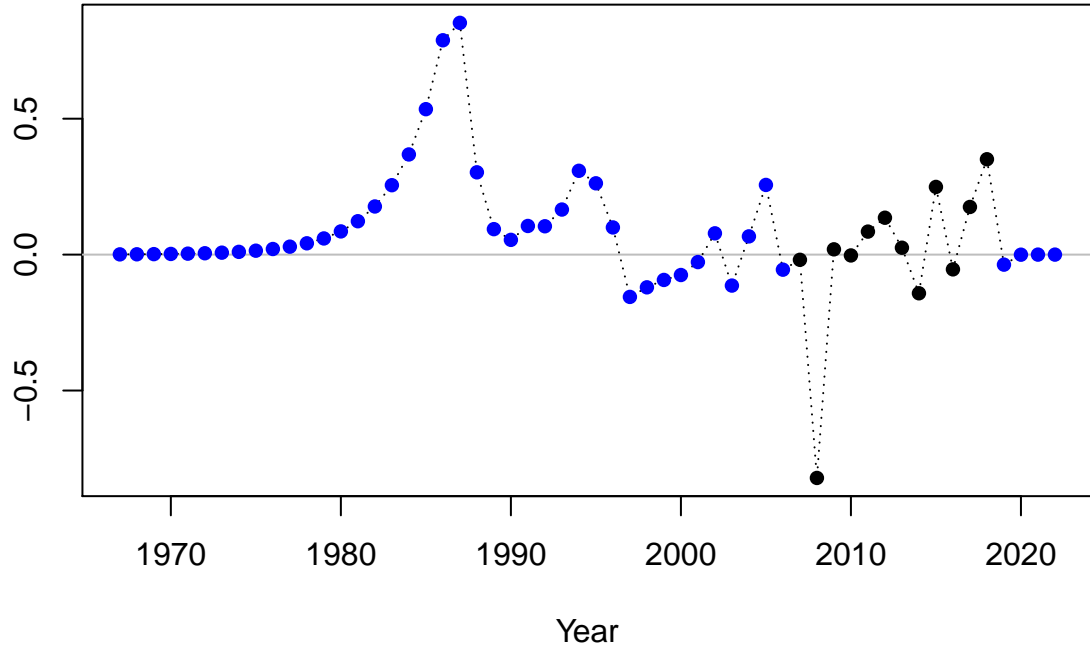


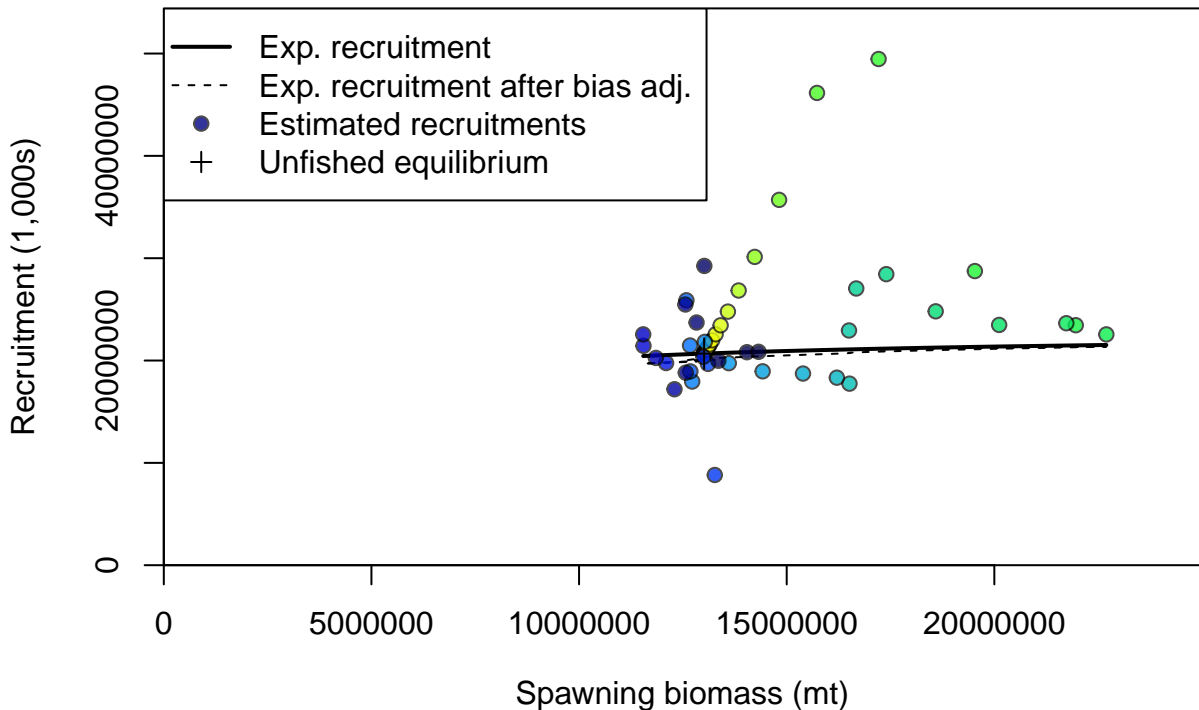
Summary Fishing Mortality

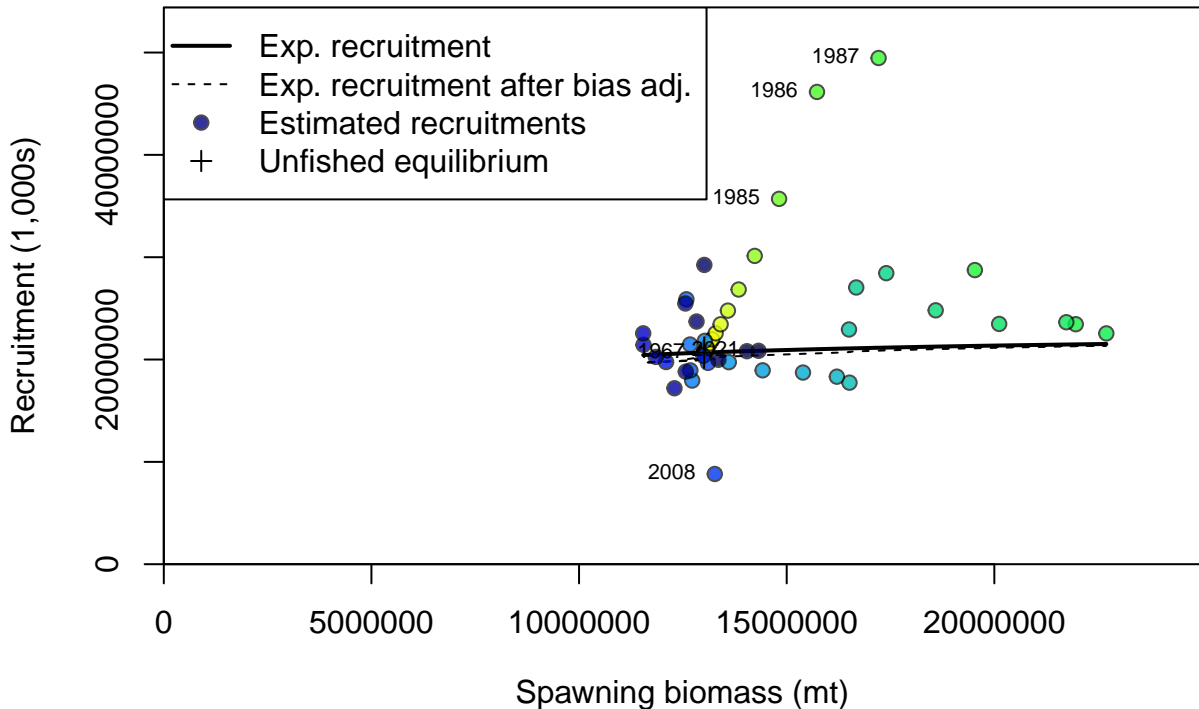




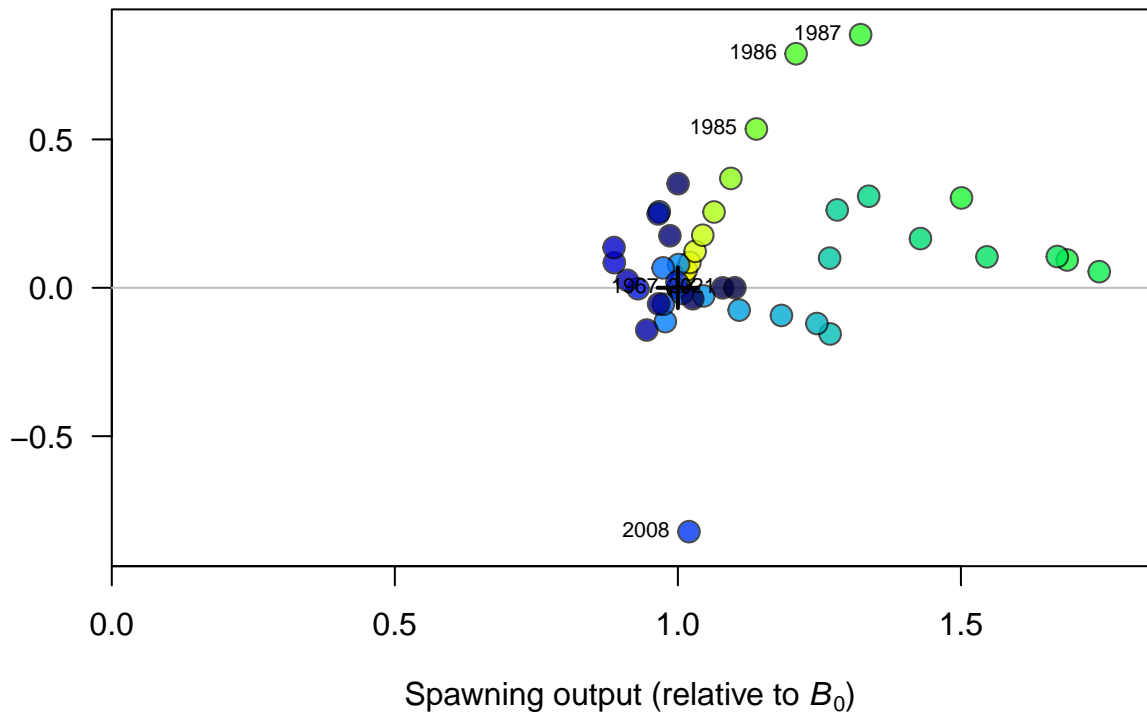
Log recruitment deviation

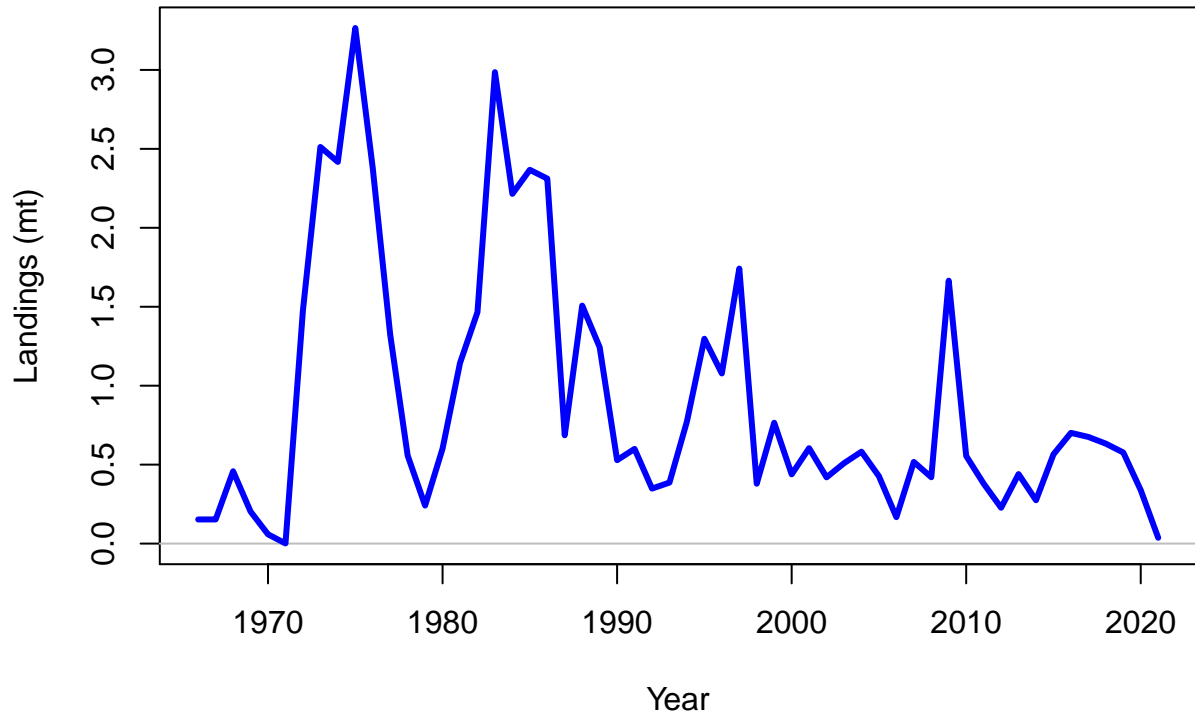


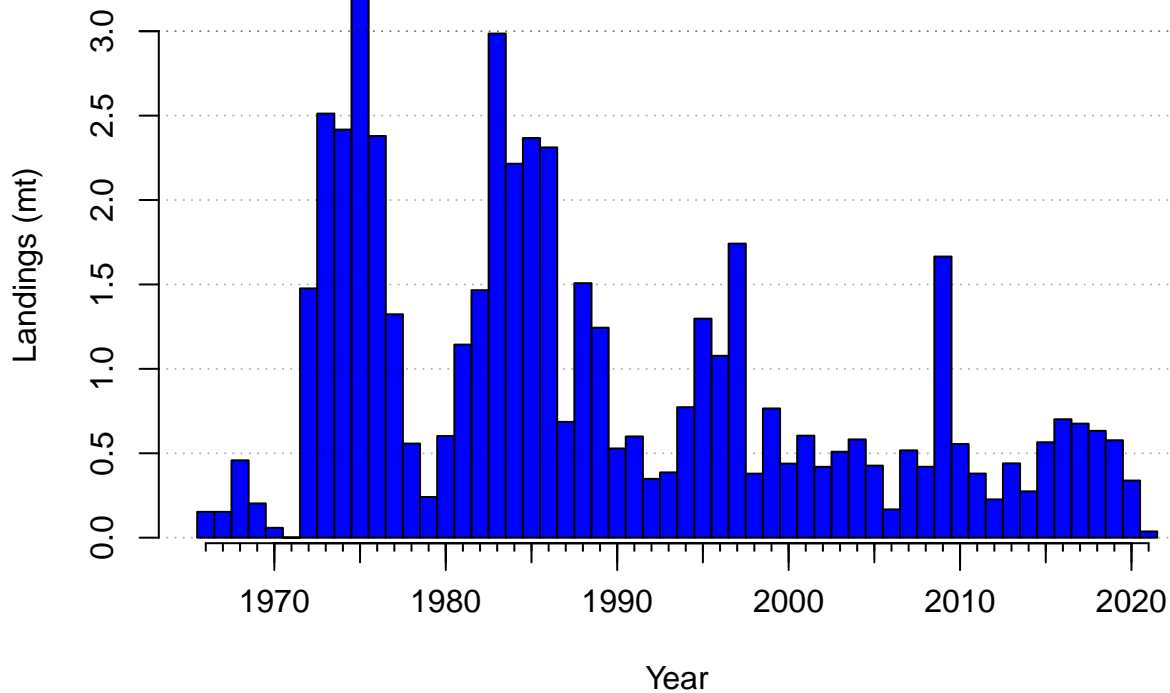




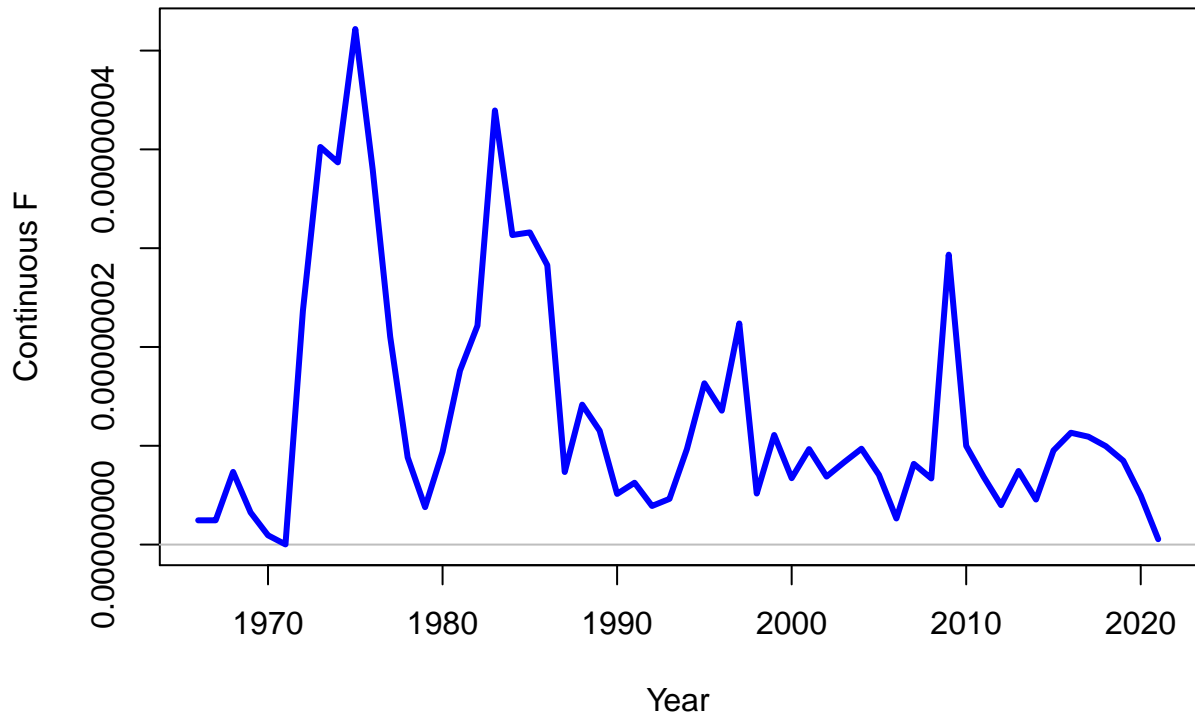
Log recruitment deviation



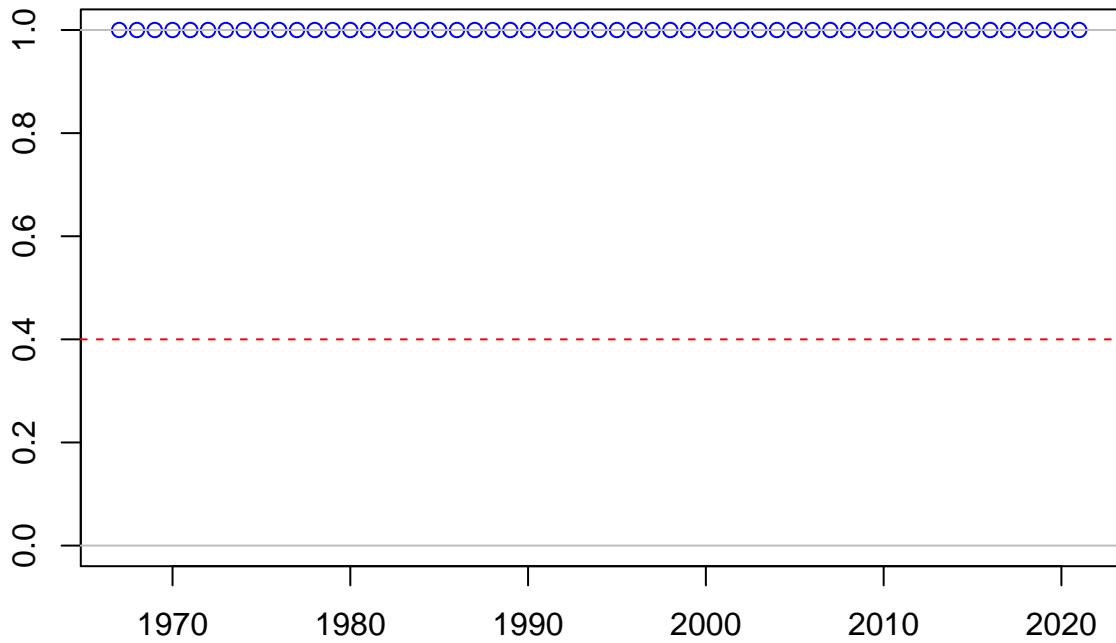




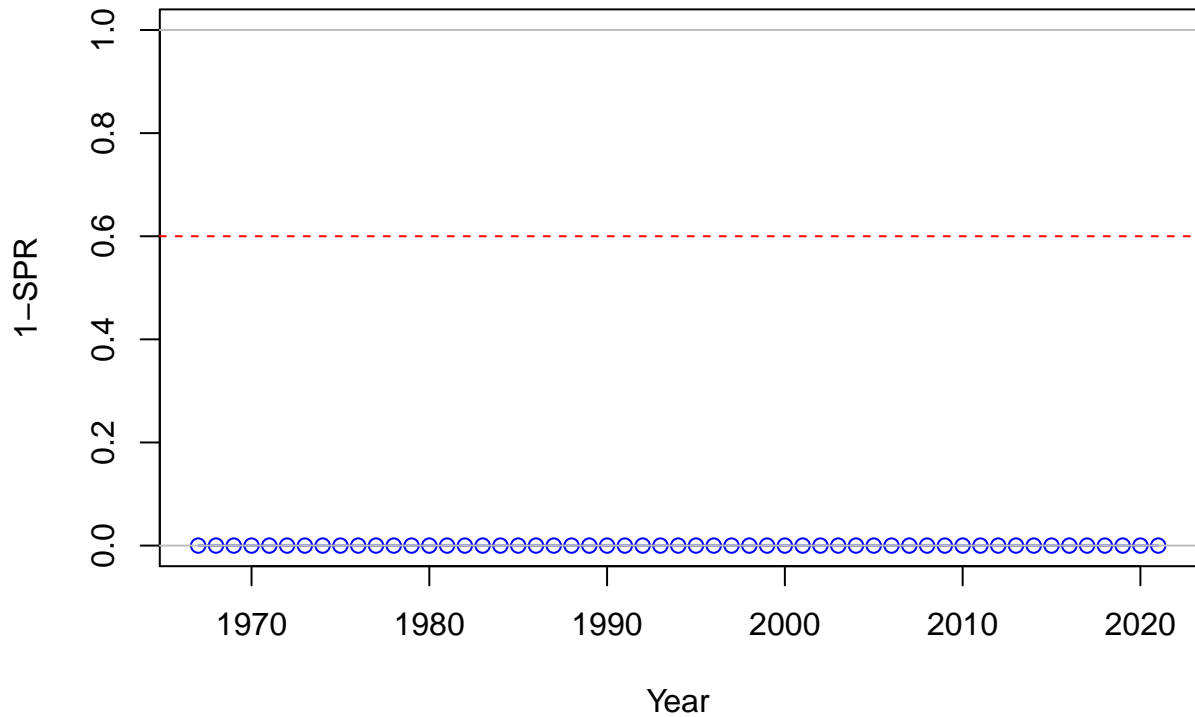




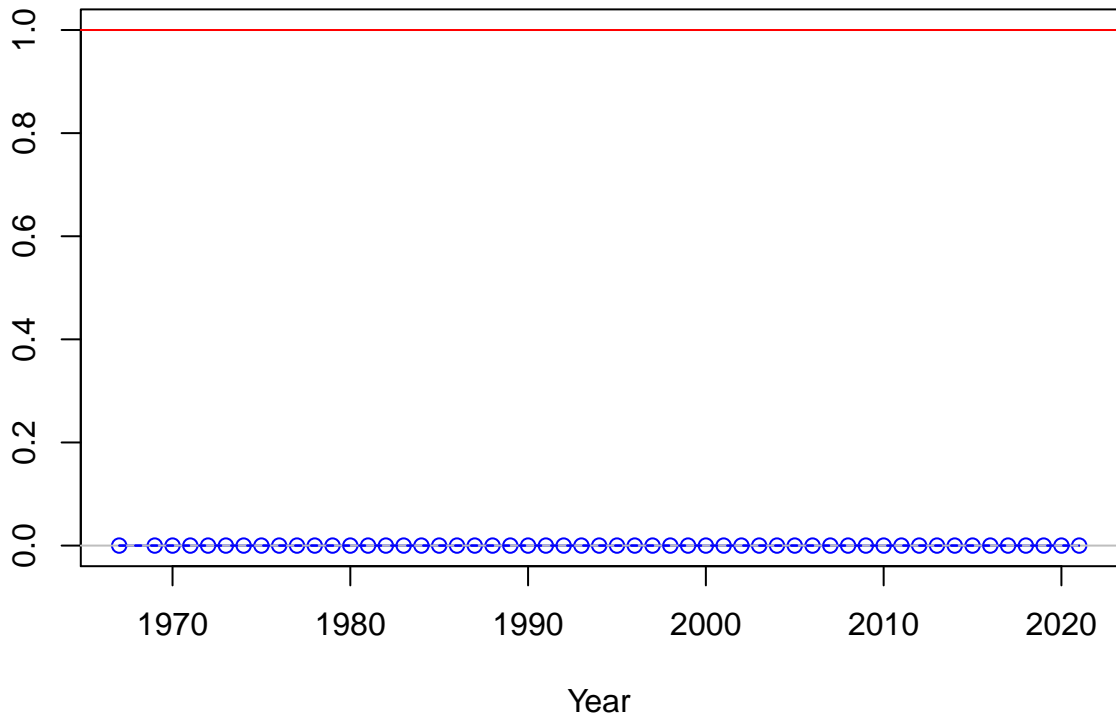
SPR



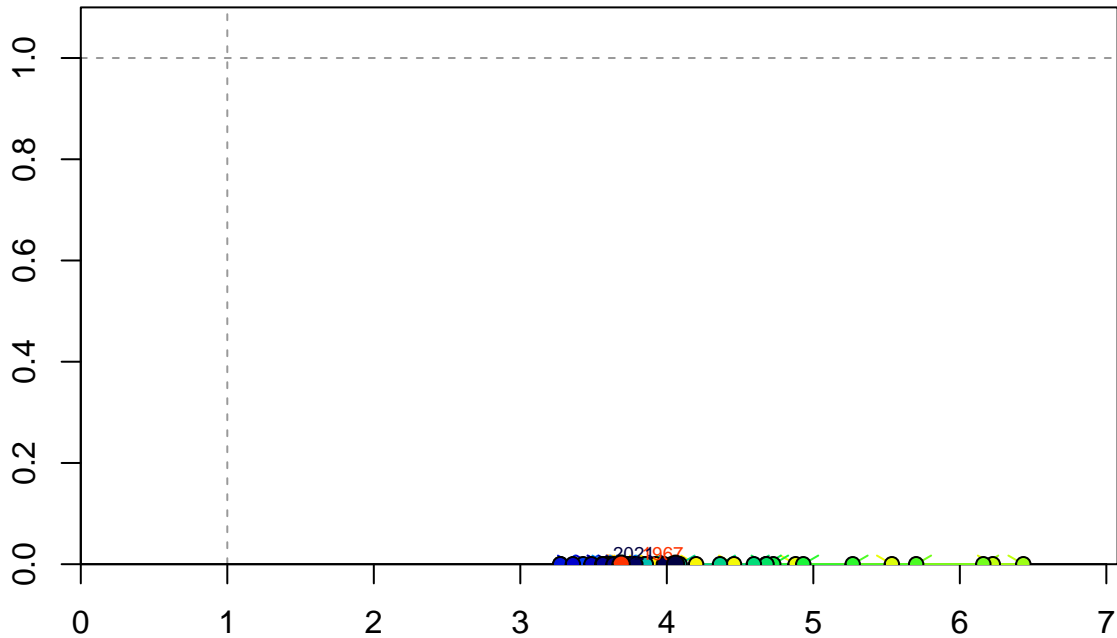
Year



Fishing intensity: 1-SPR

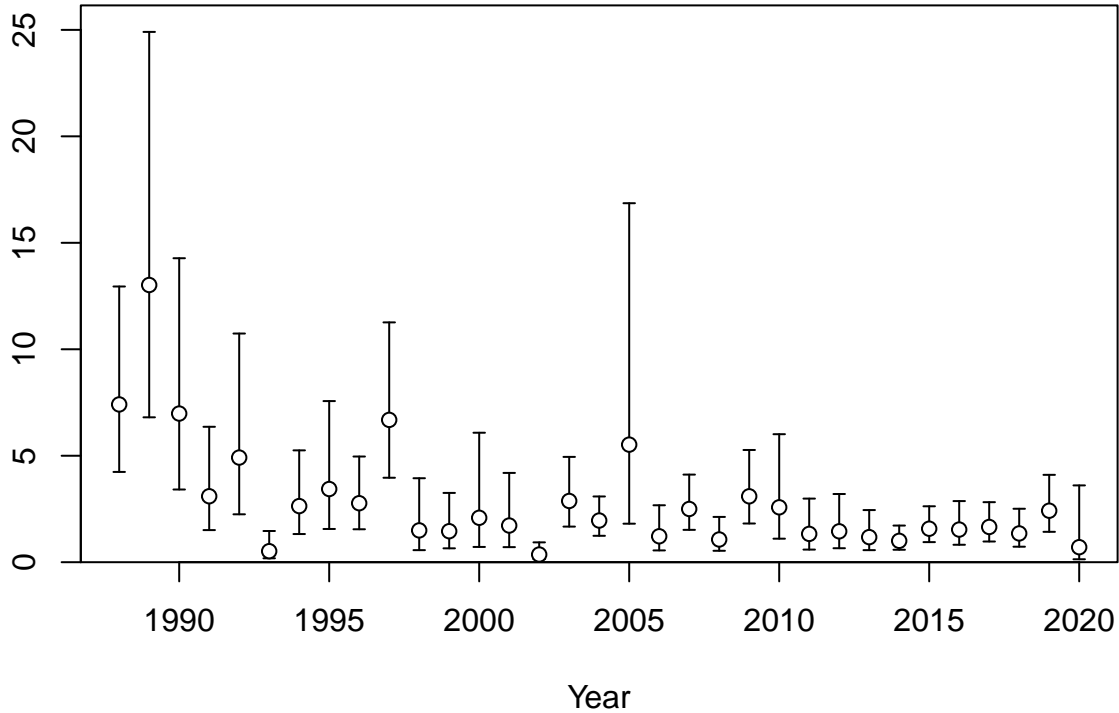


Fishing intensity: 1-SPR

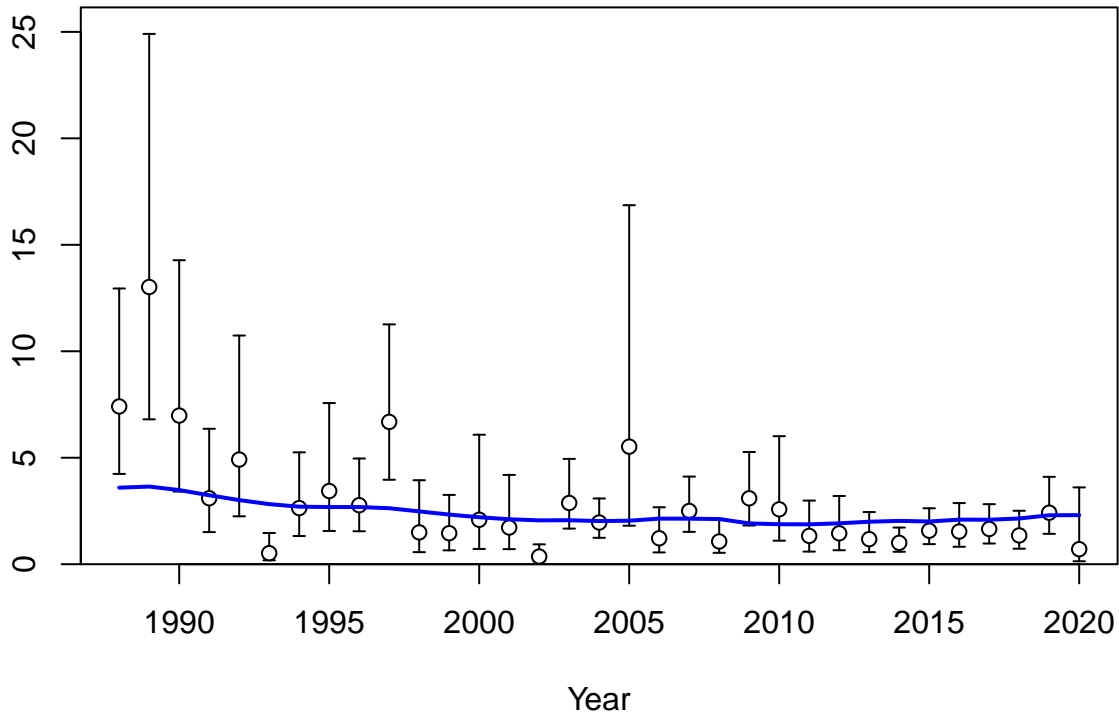


Relative spawning output:  $B/B_{MSY}$

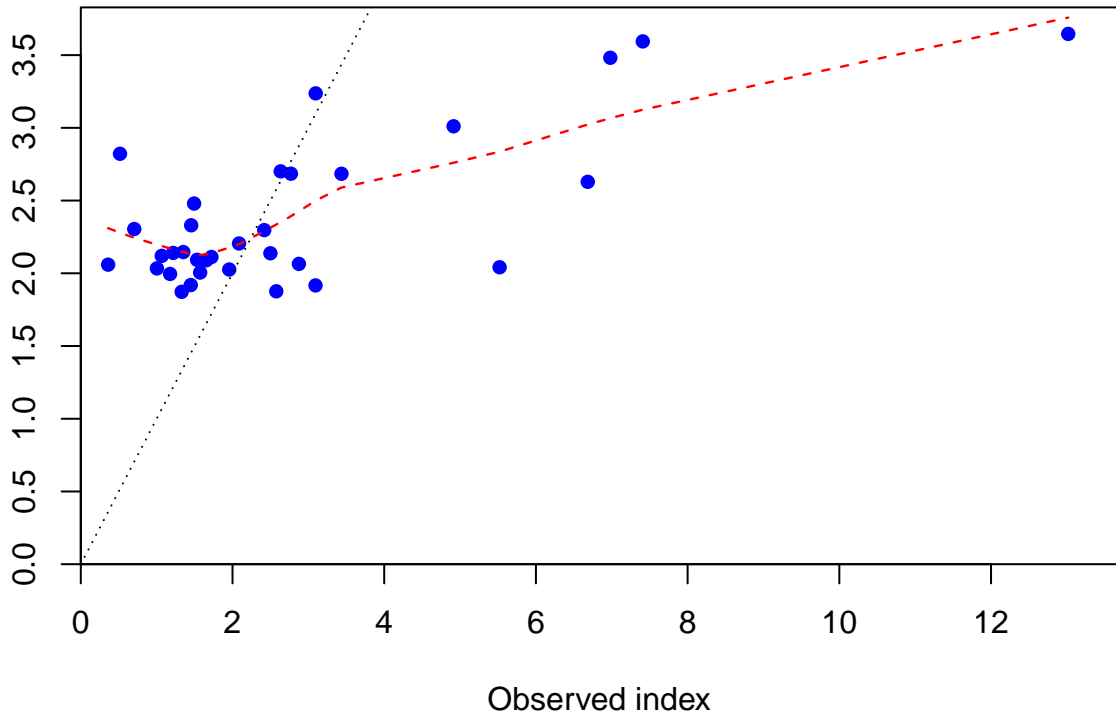
Index



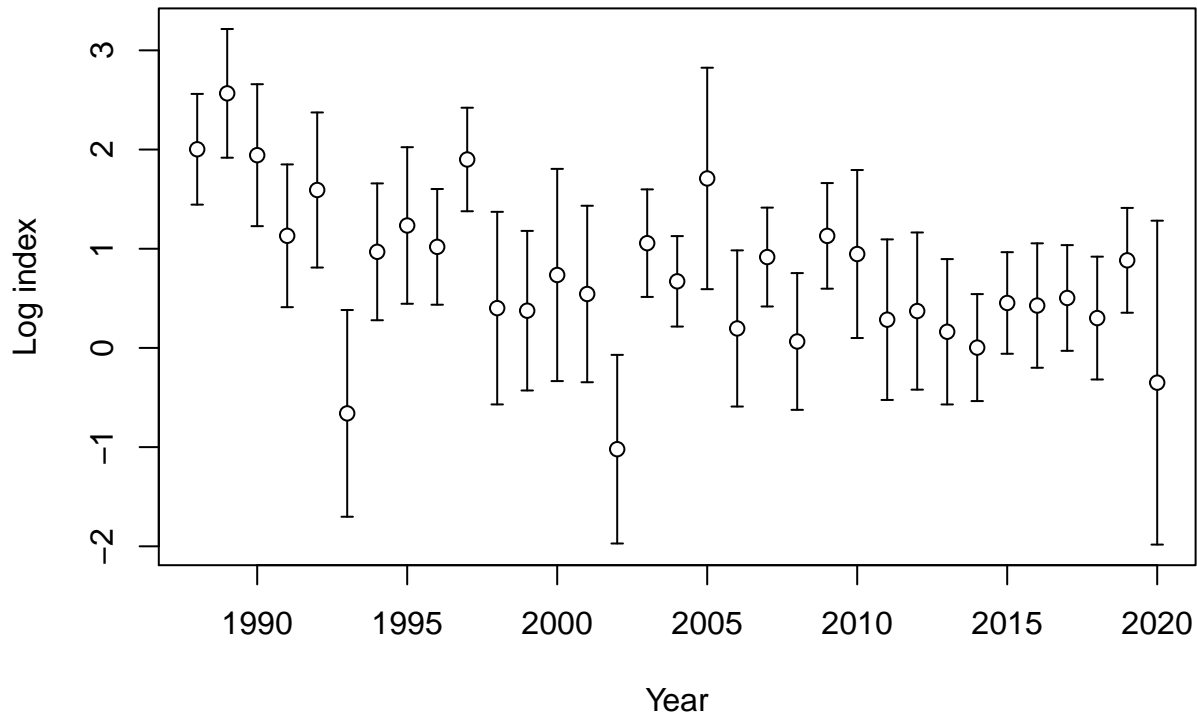
Index

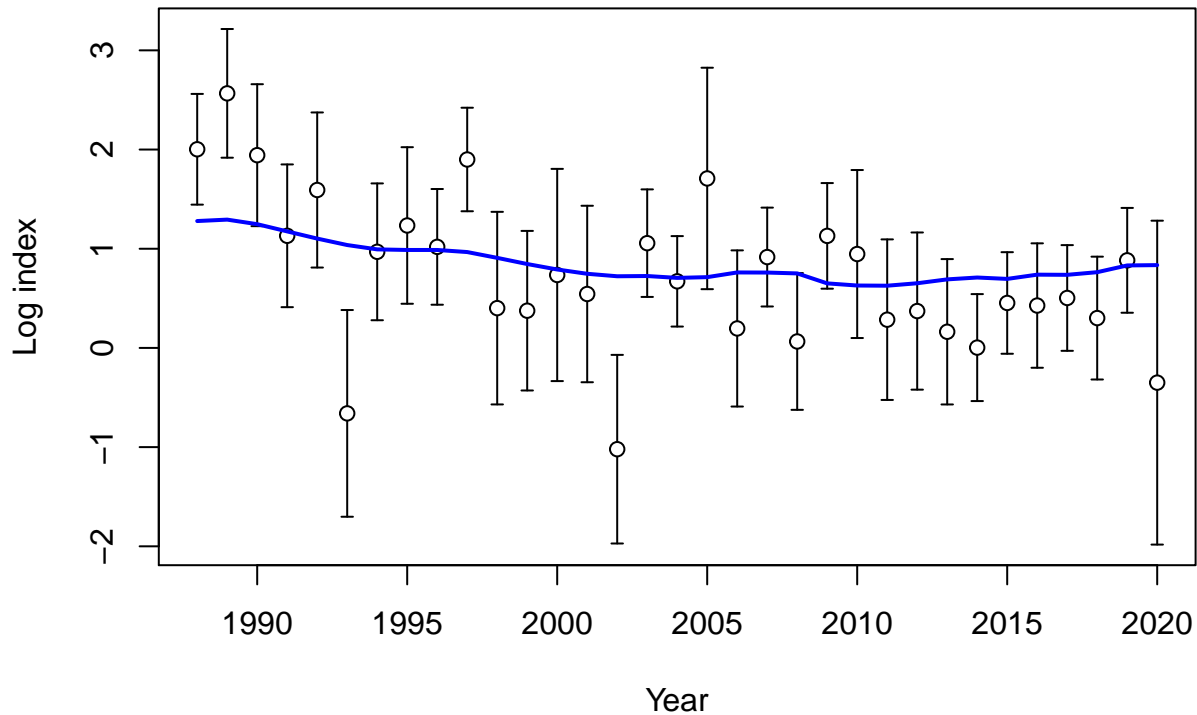


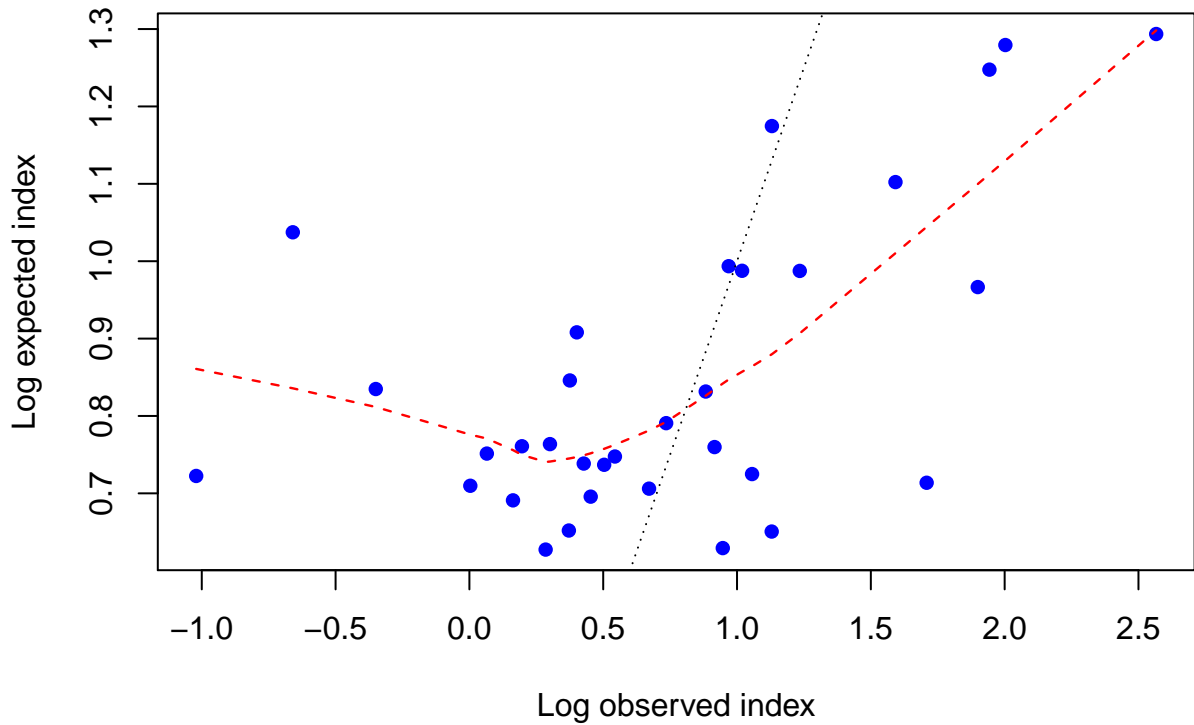
Expected index



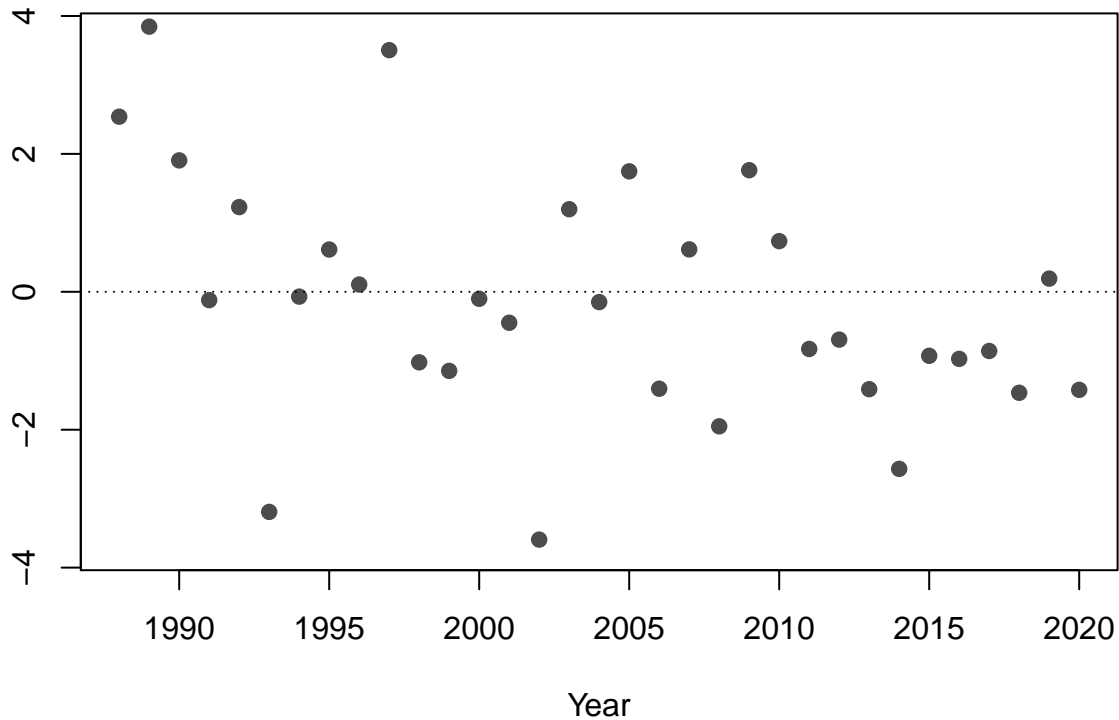


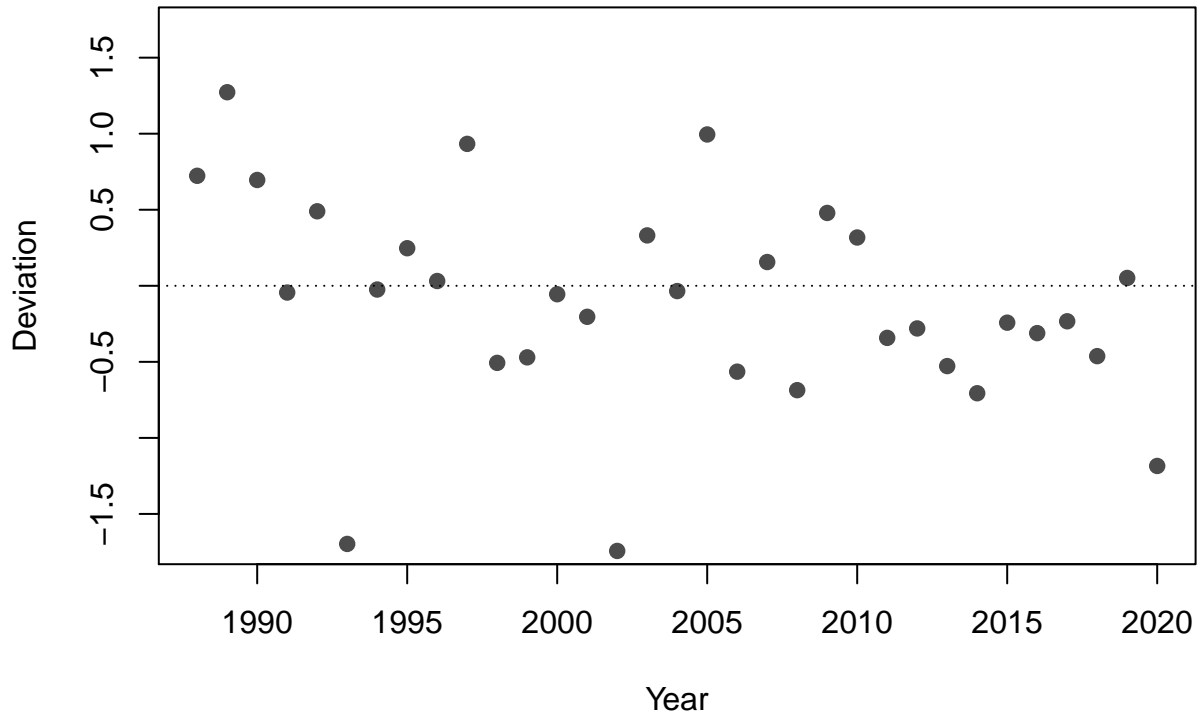




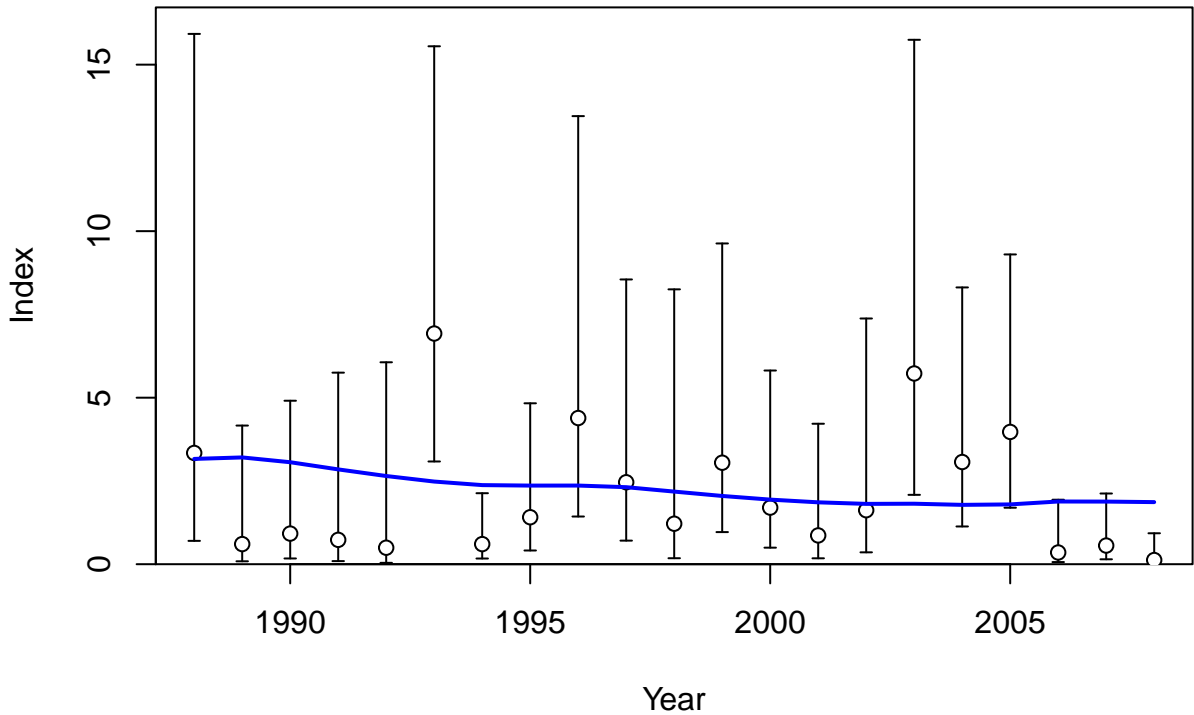


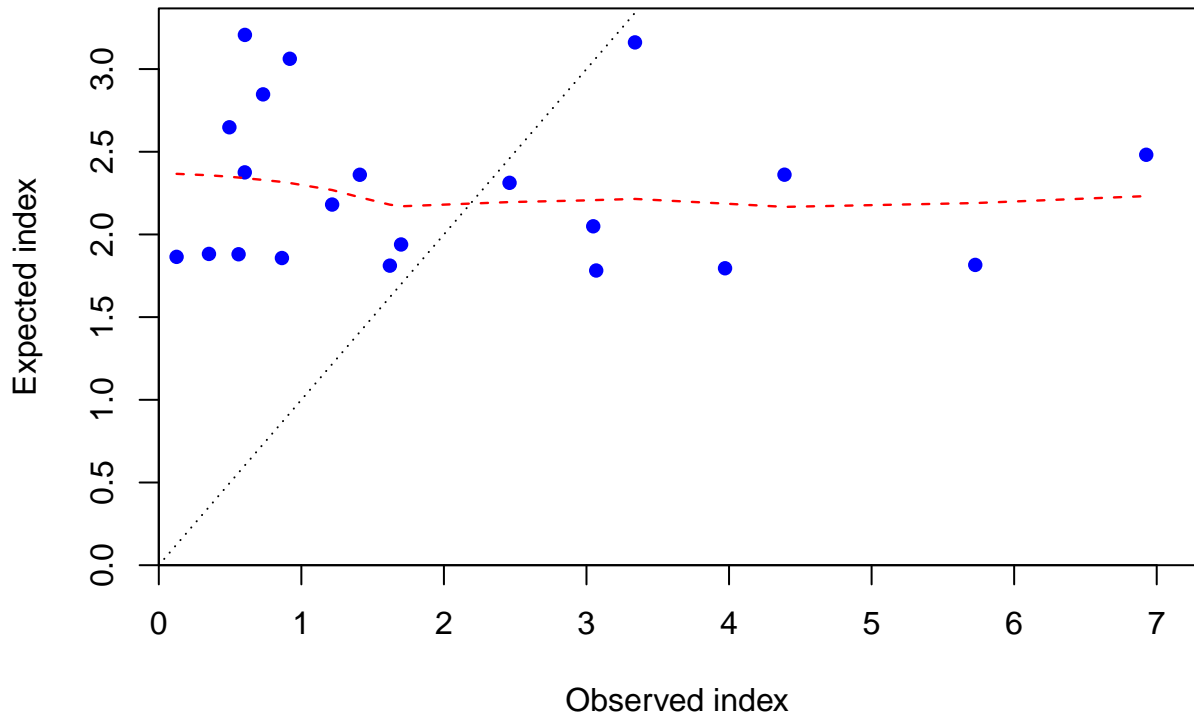
Residual





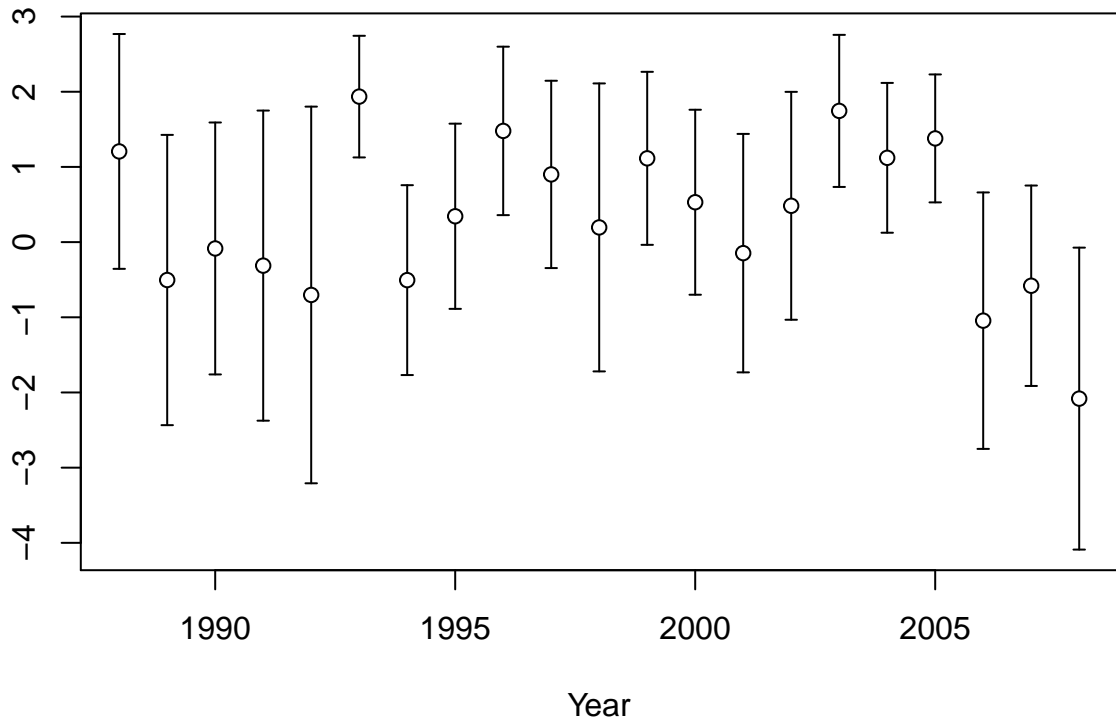




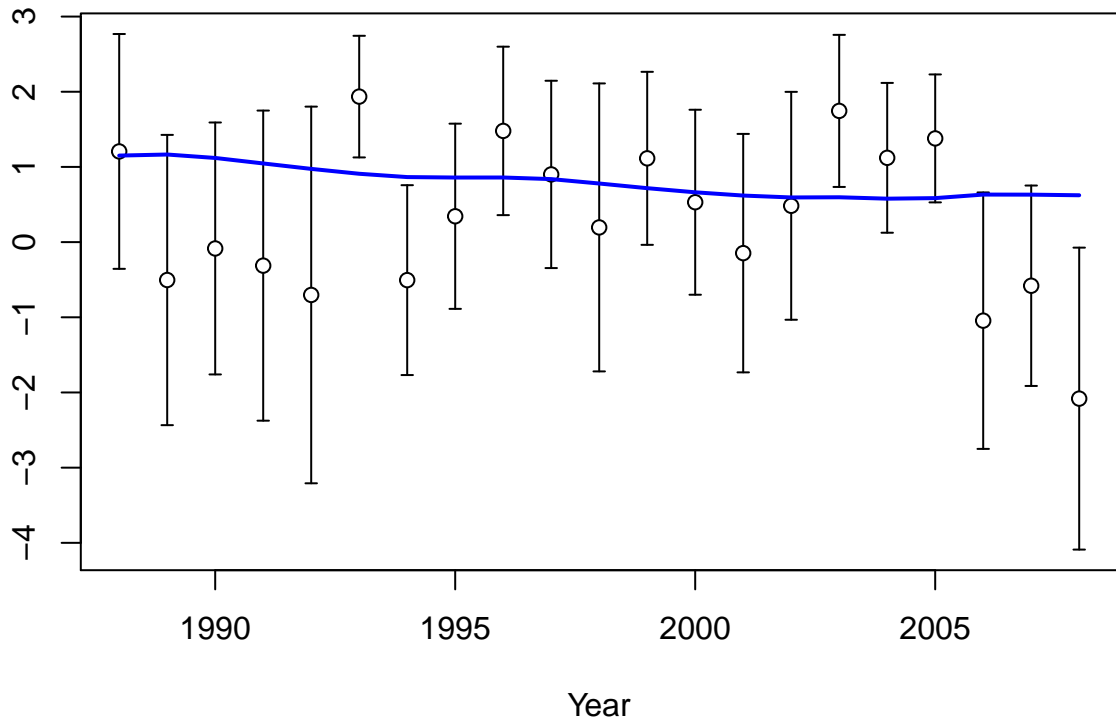


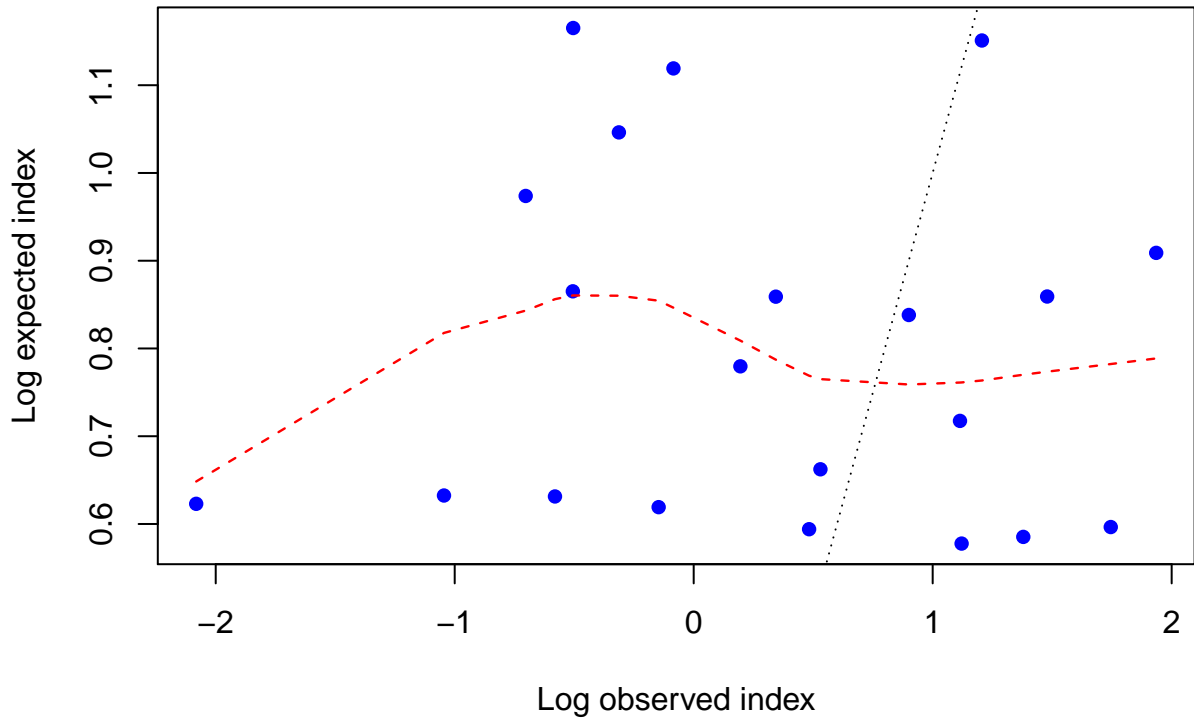


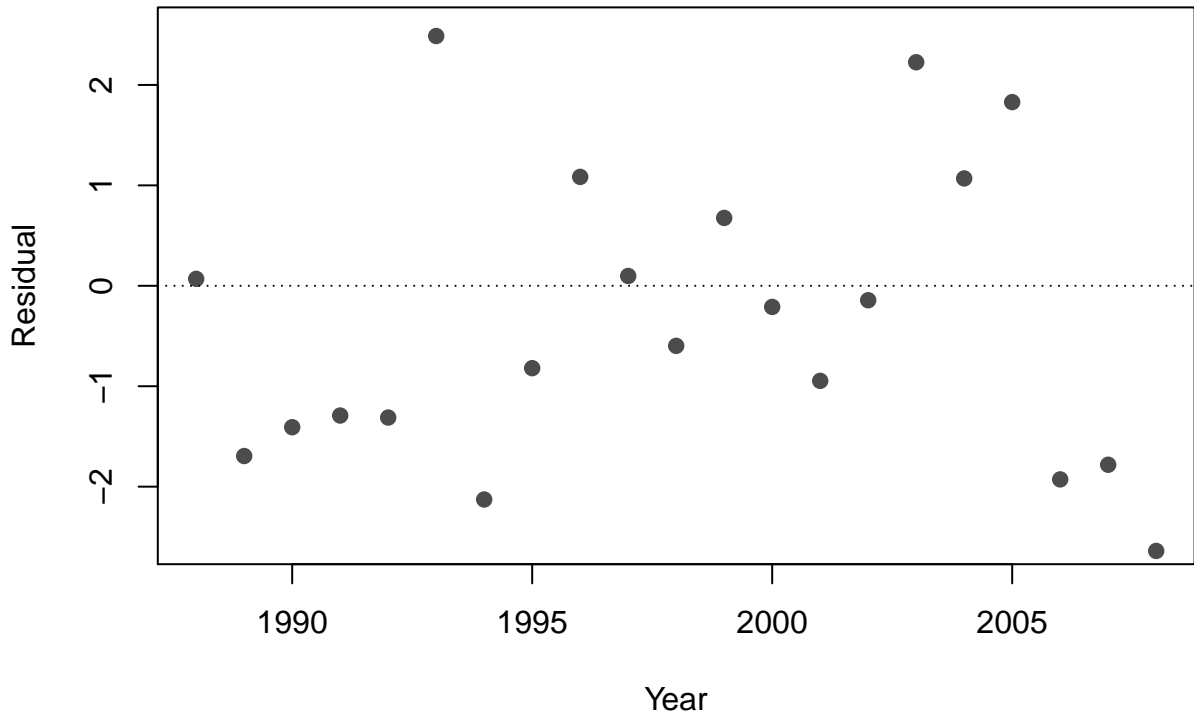
Log index

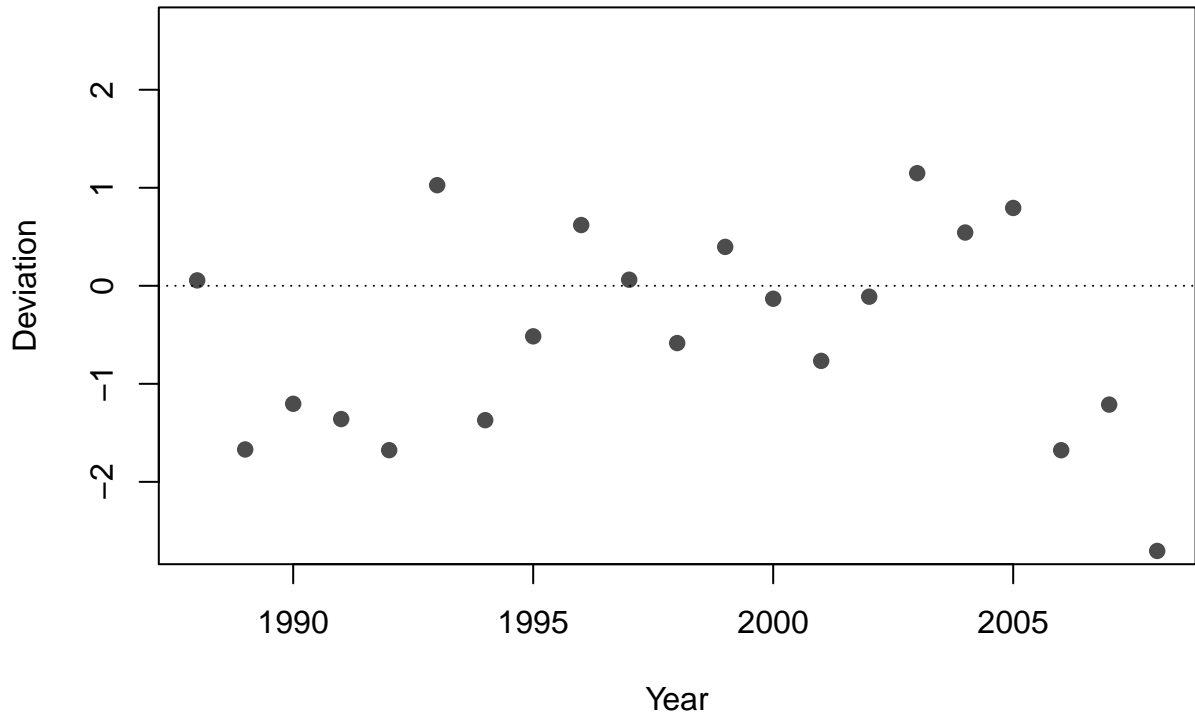


Log index

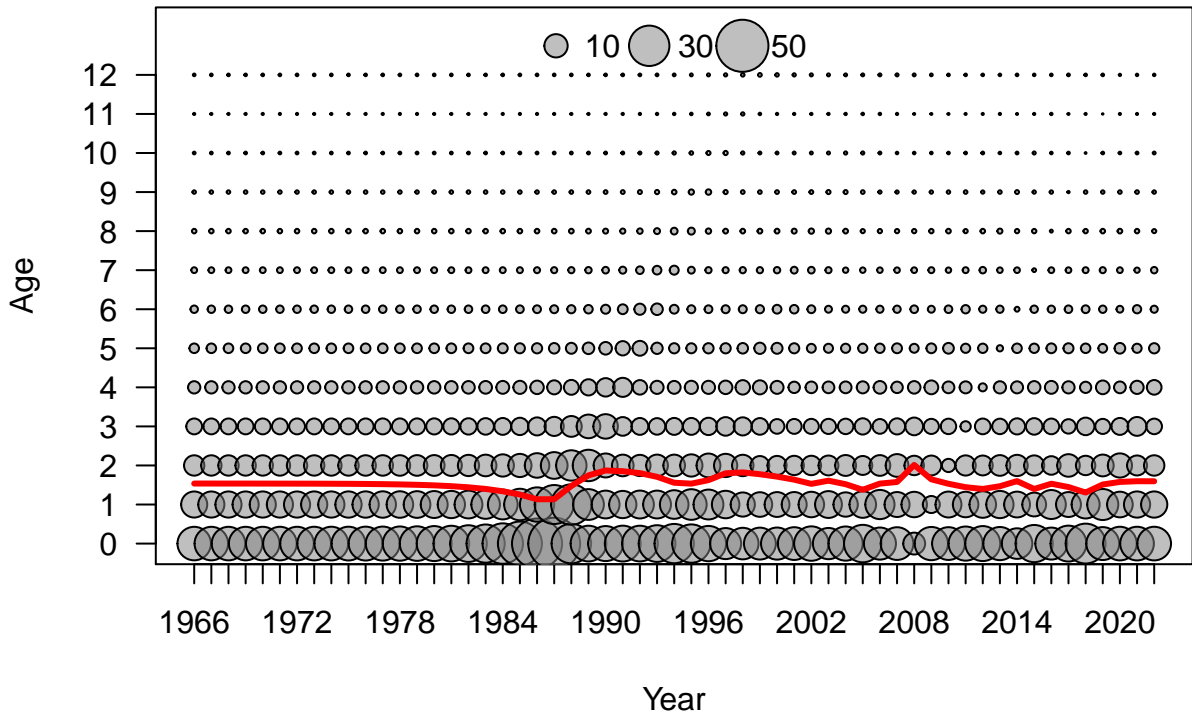


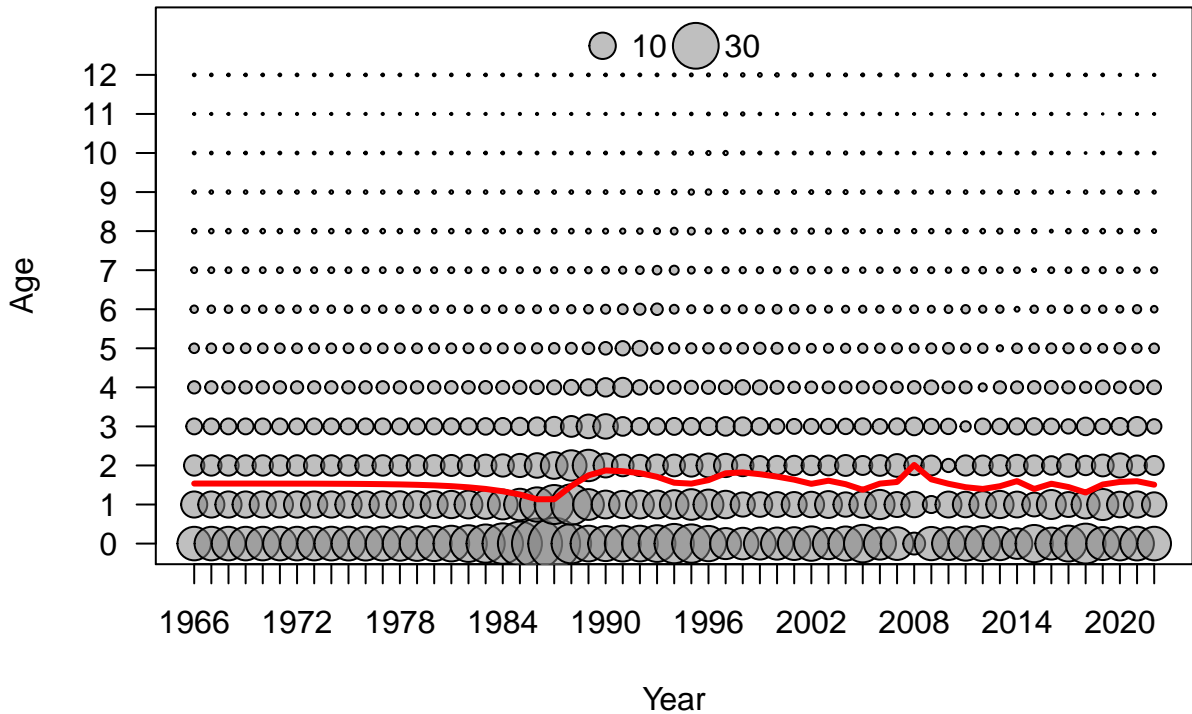






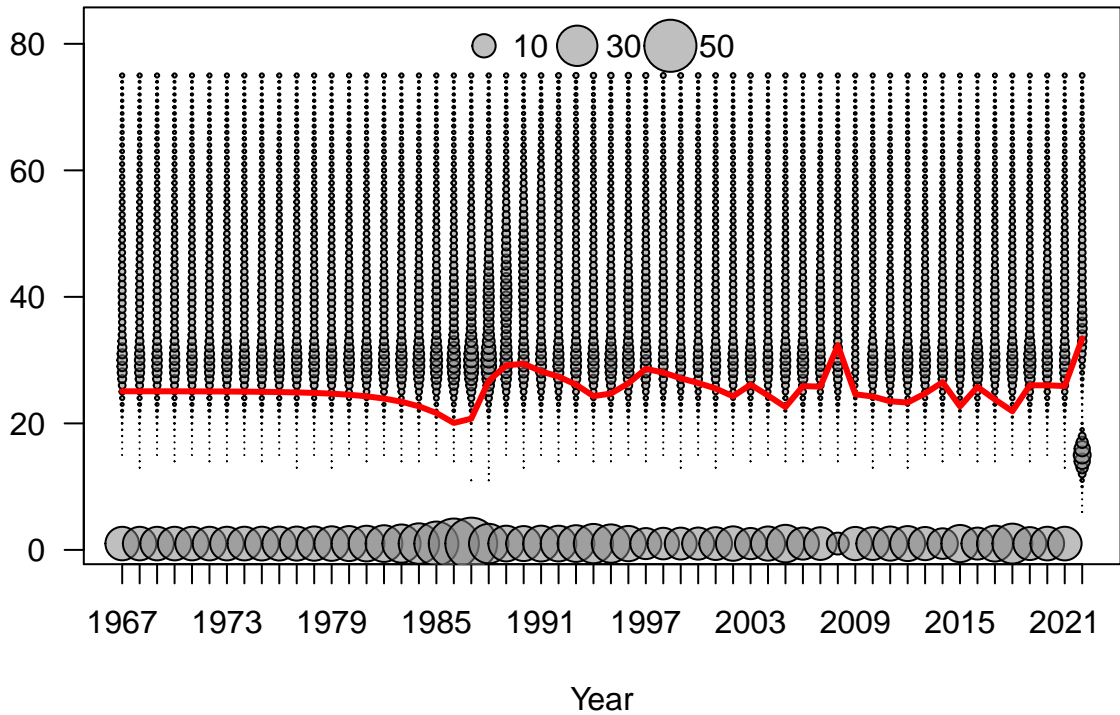


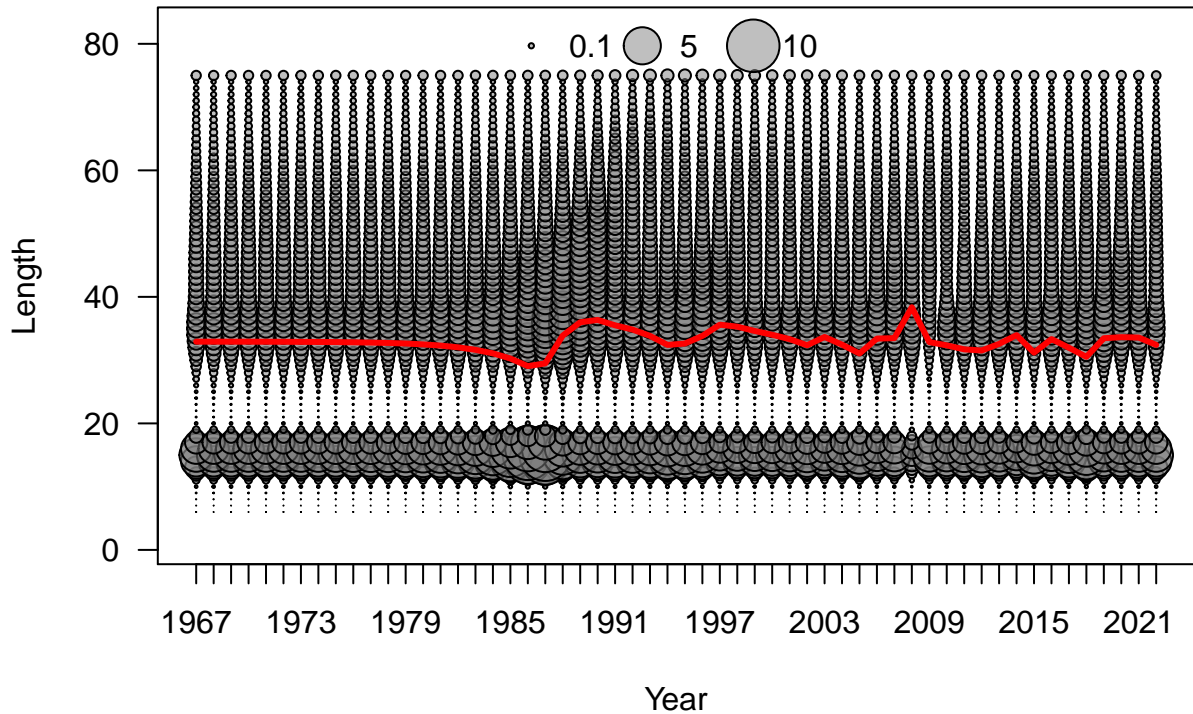


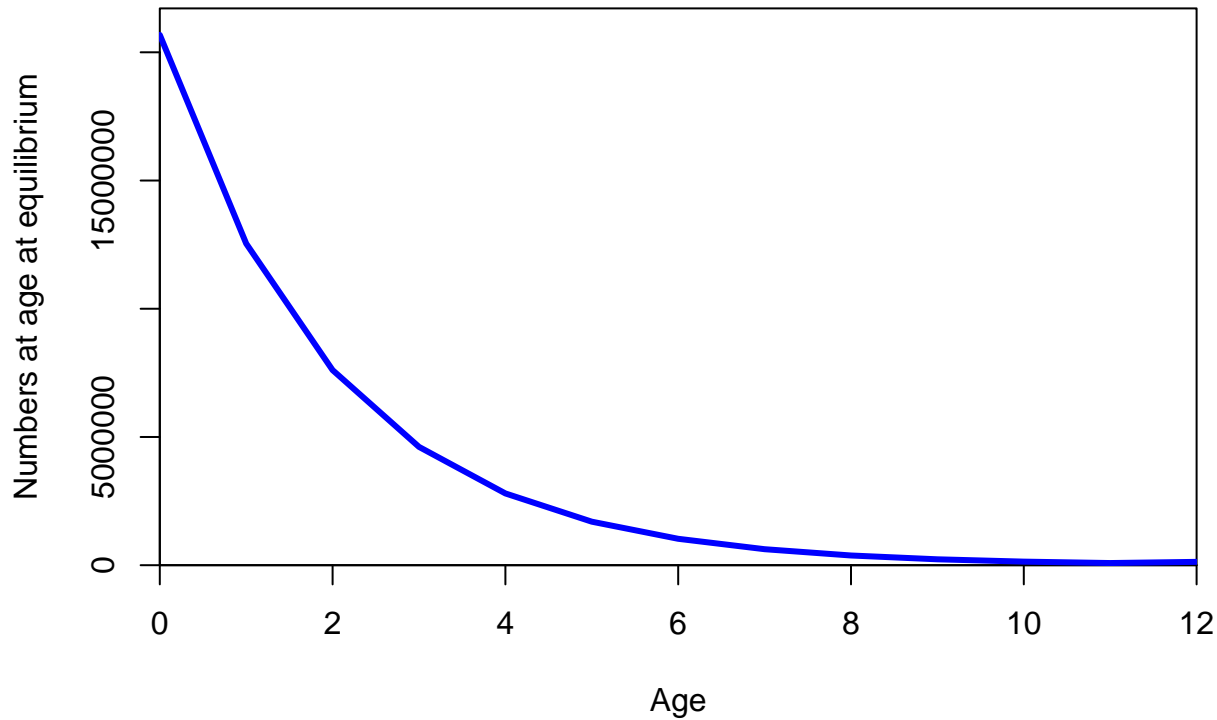




Length

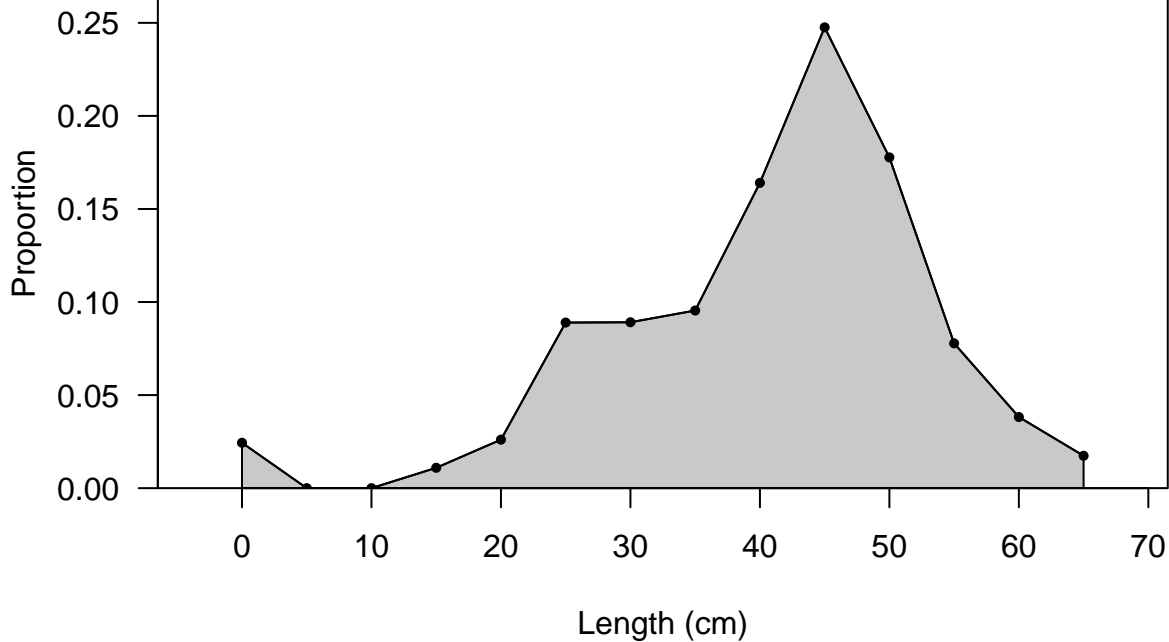


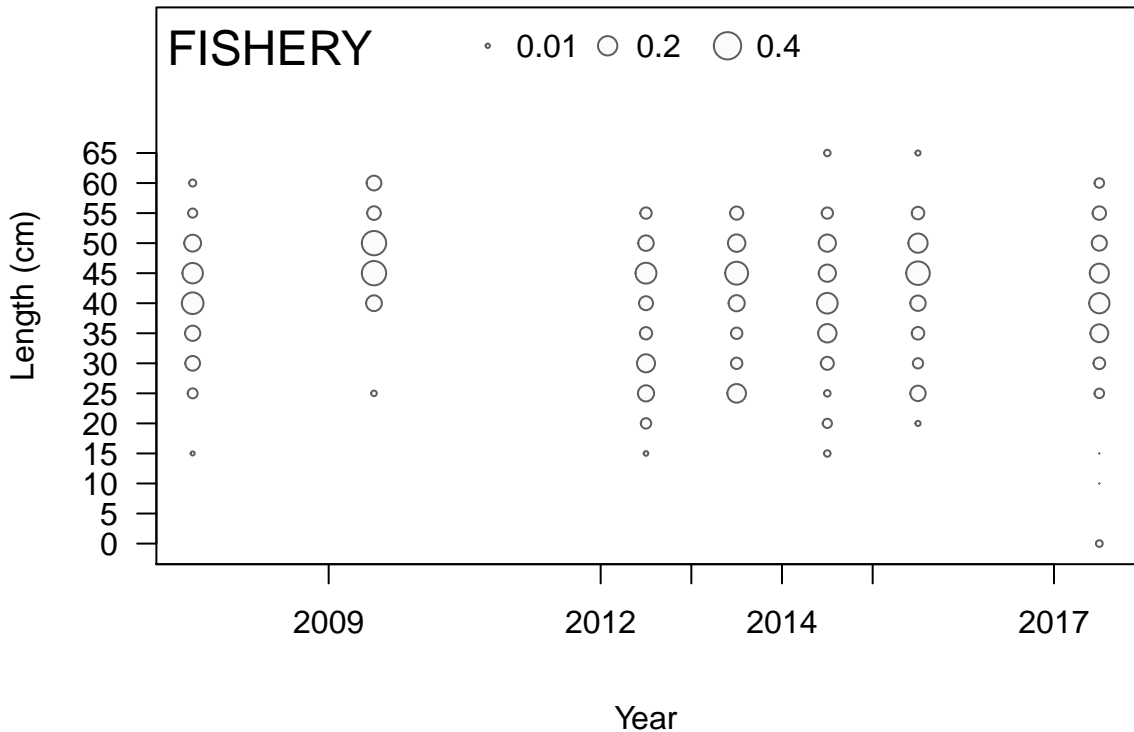




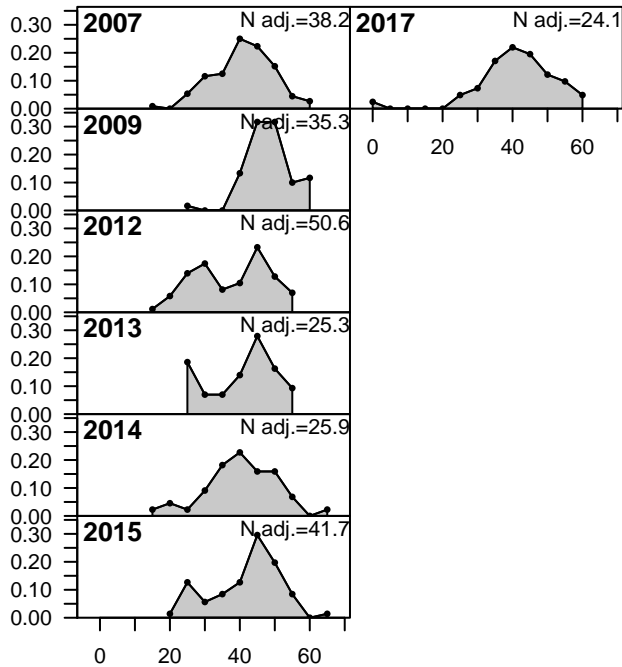
# FISHERY

Sum of N adj.=241.1

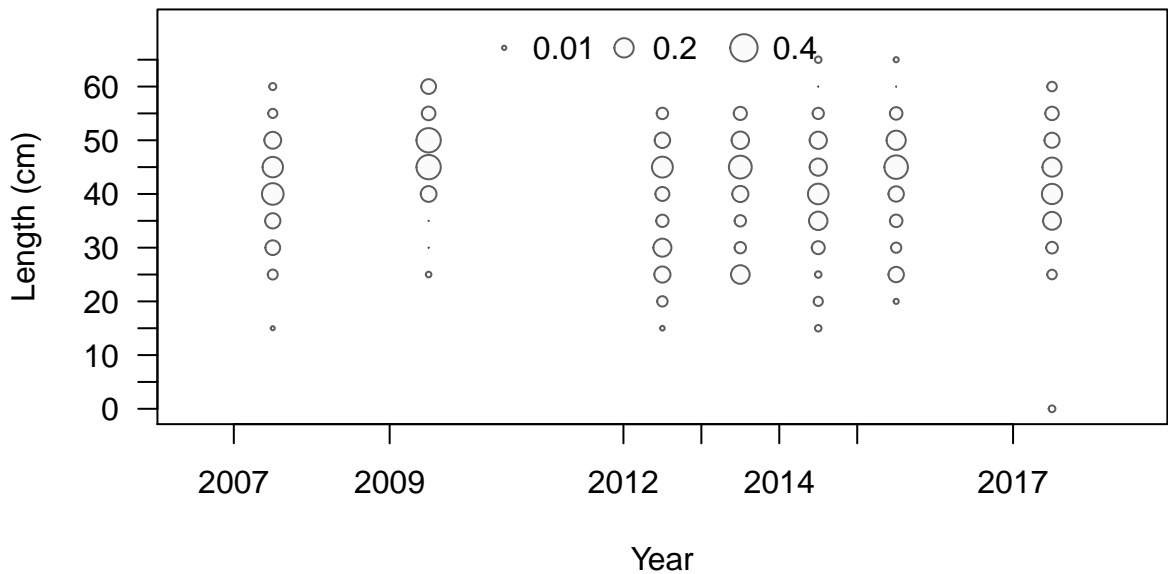




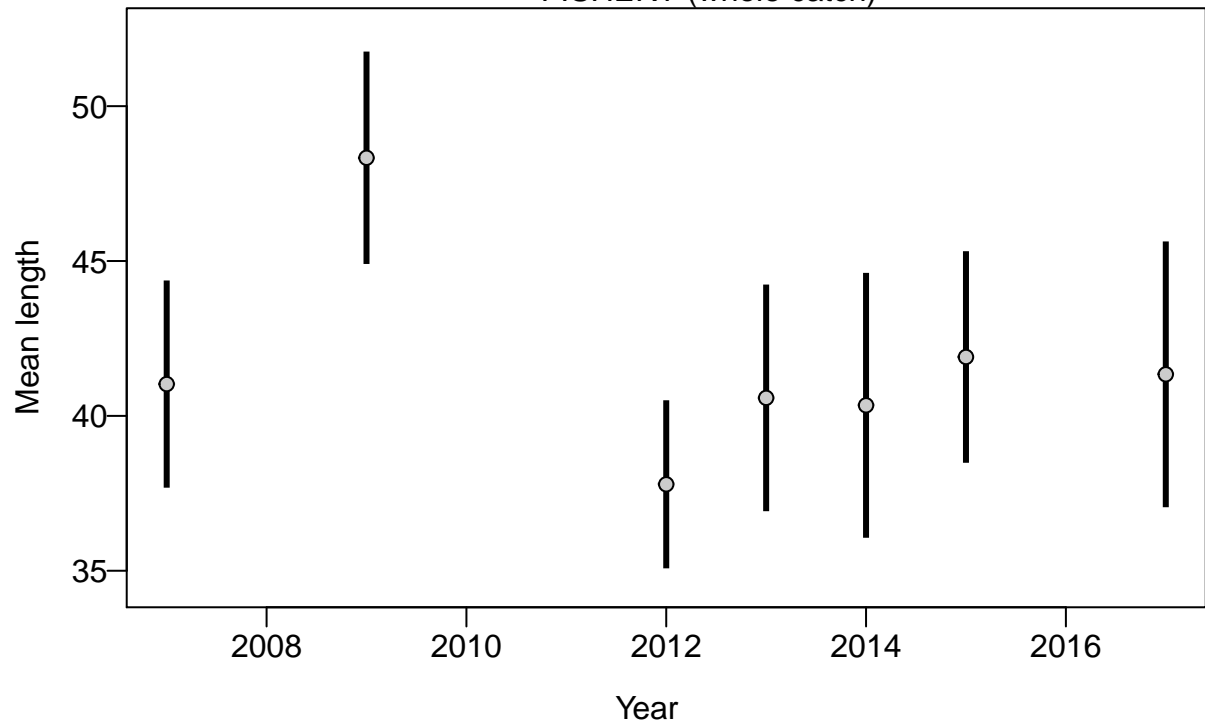
Proportion



Length (cm)



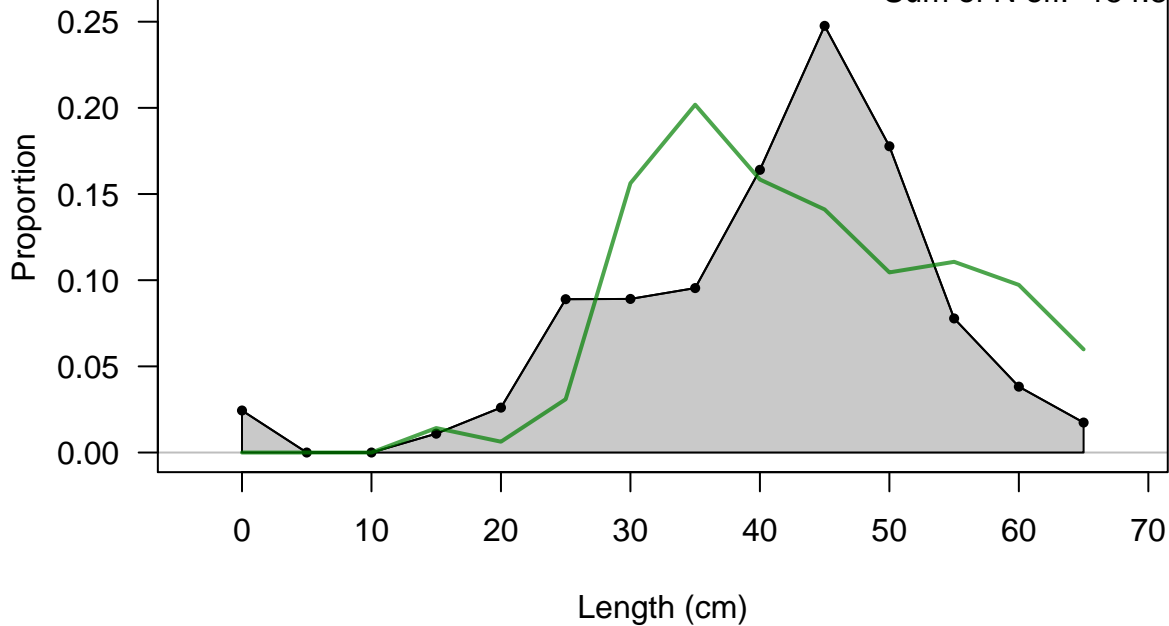
FISHERY (whole catch)

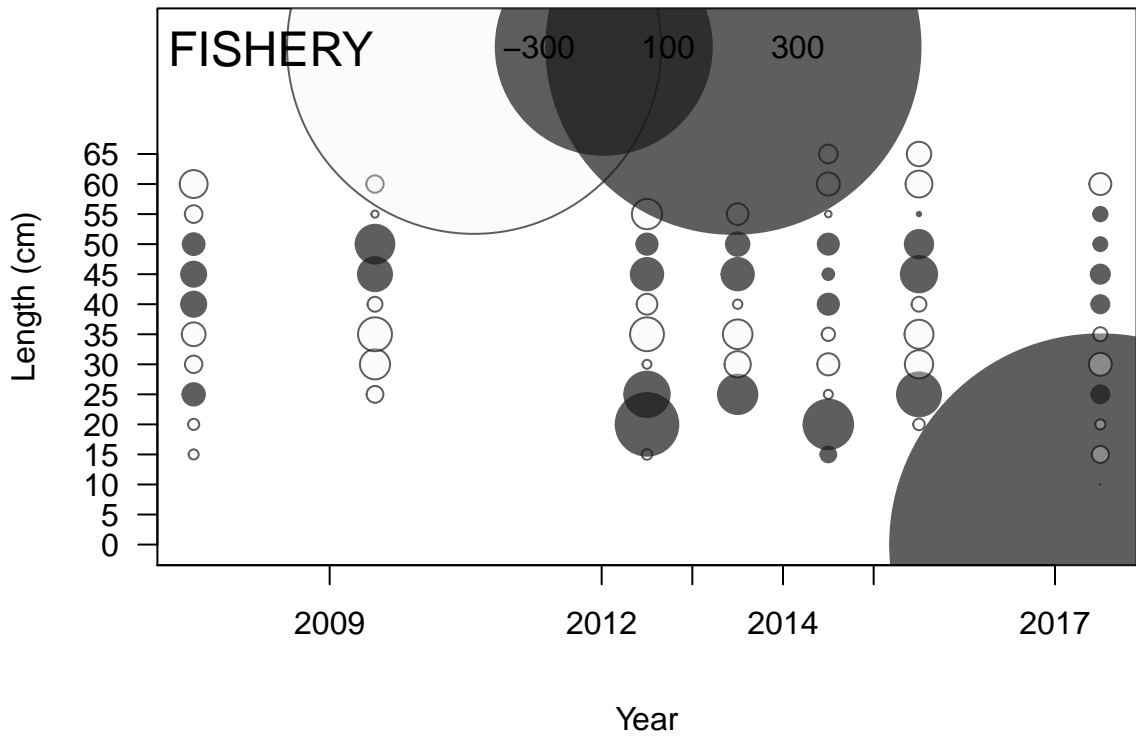




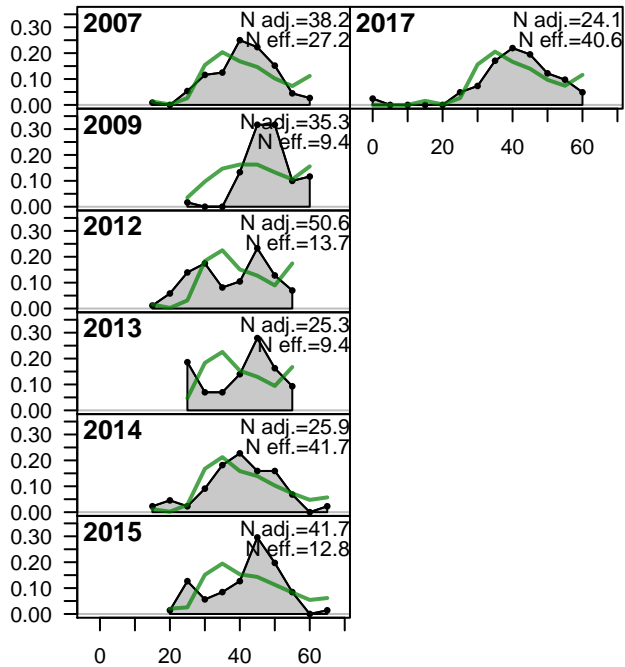
# FISHERY

Sum of N adj.=241.1  
Sum of N eff.=154.8

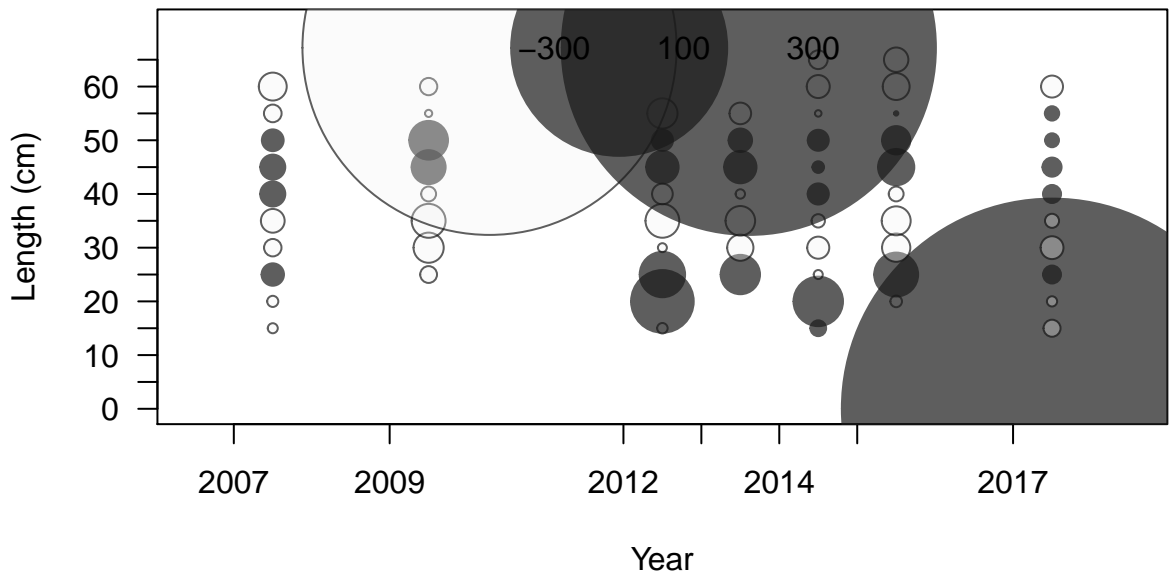




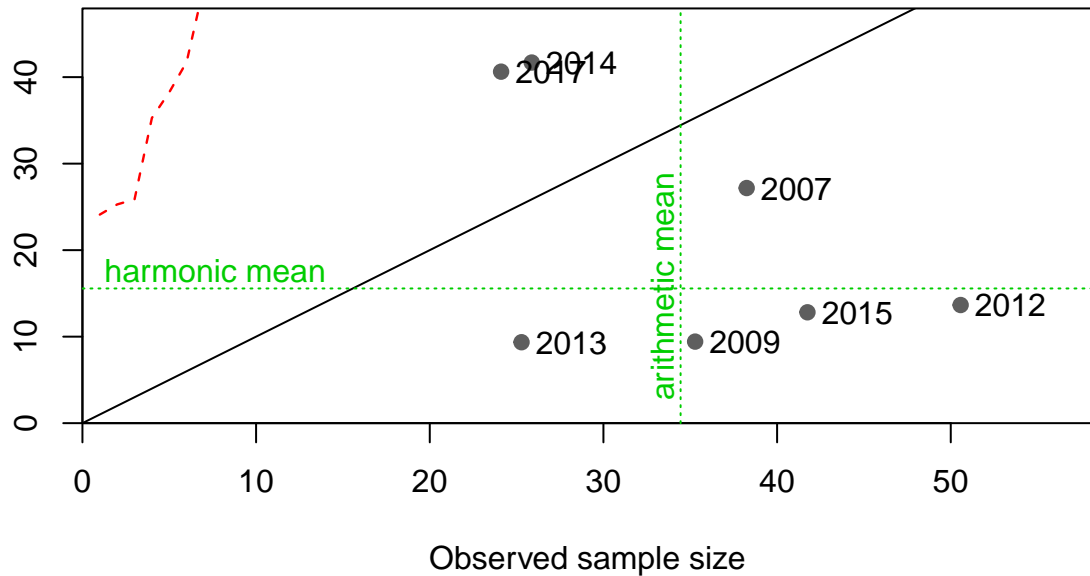
Proportion



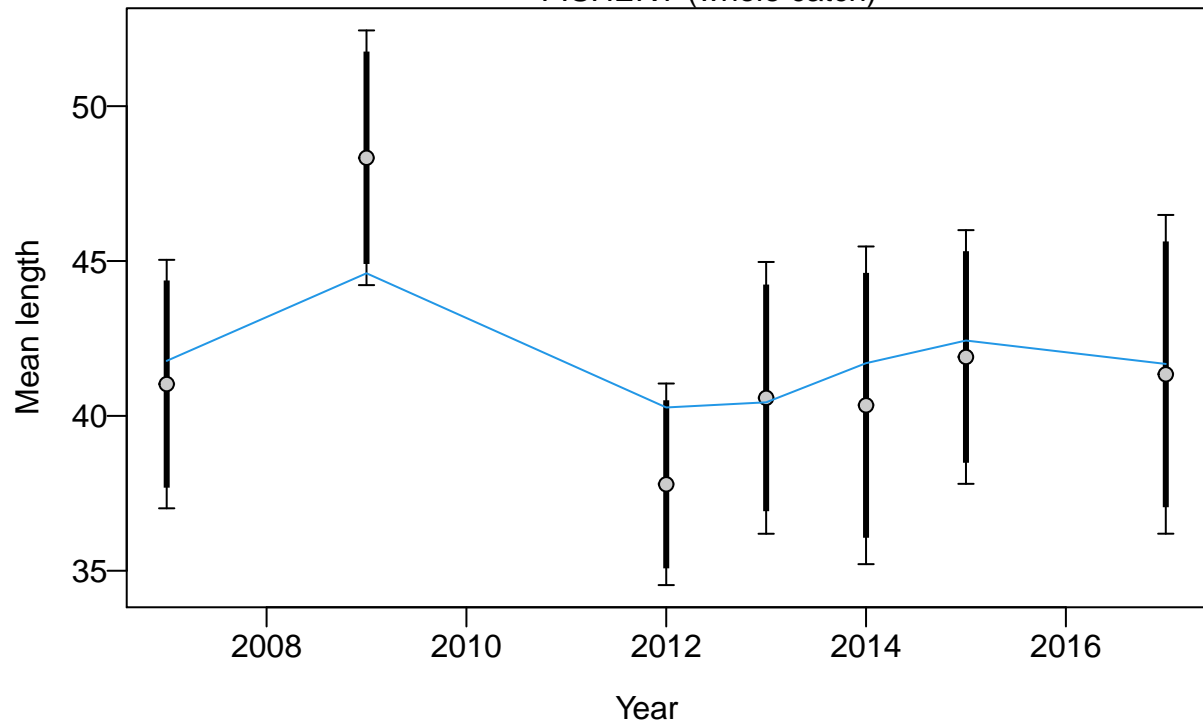
Length (cm)

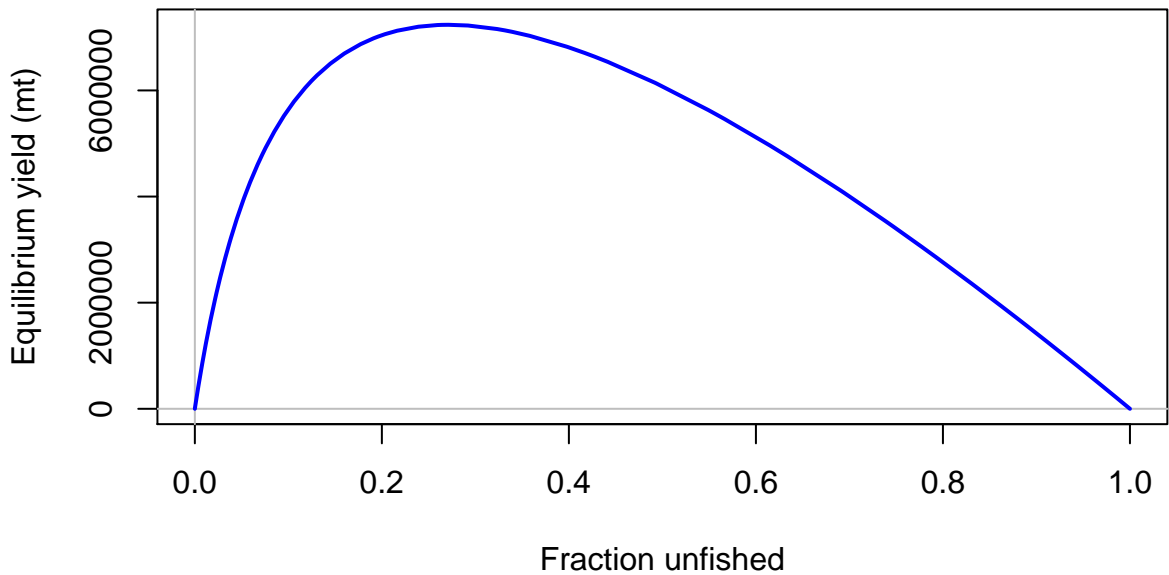


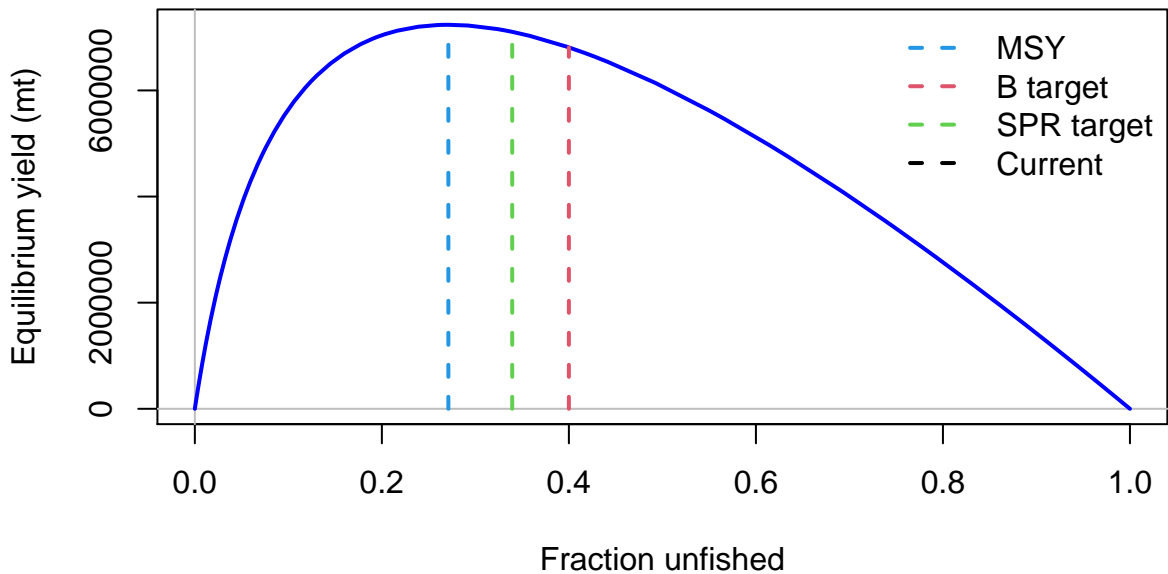
Effective sample size



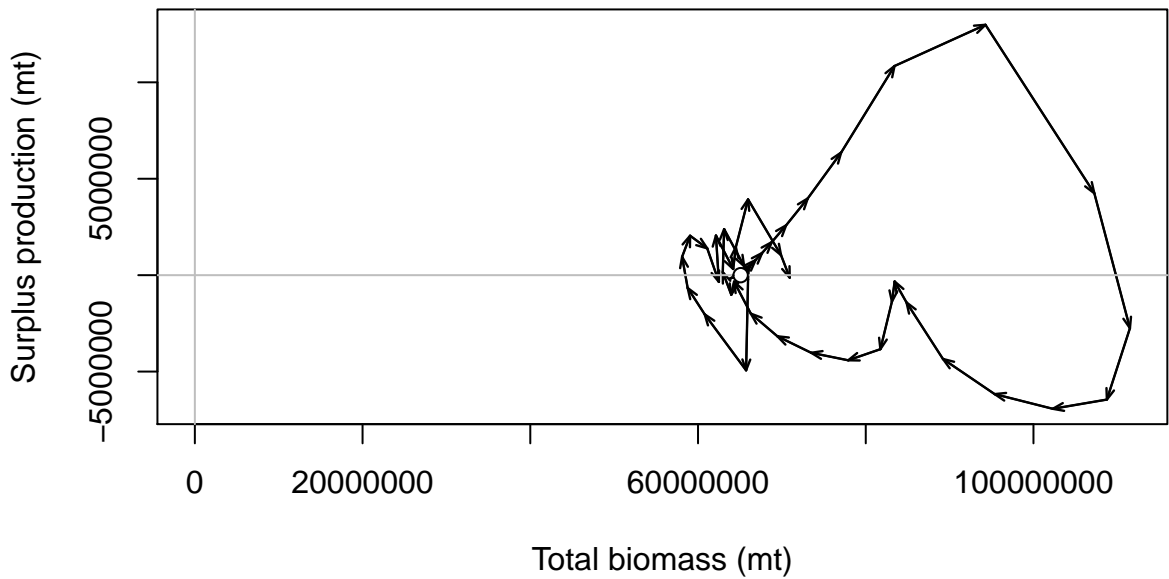
FISHERY (whole catch)

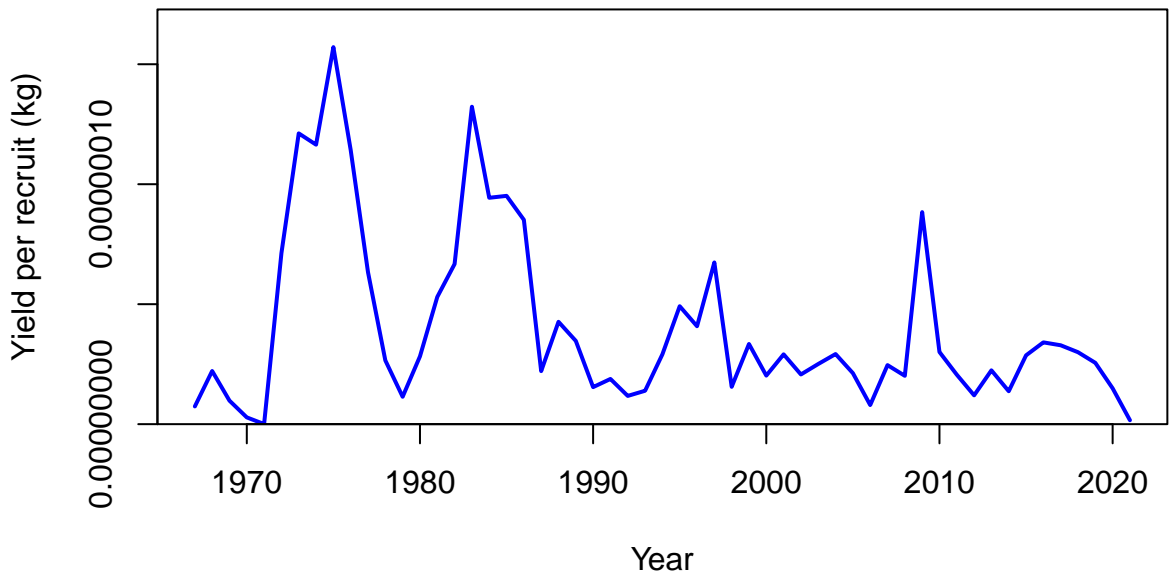




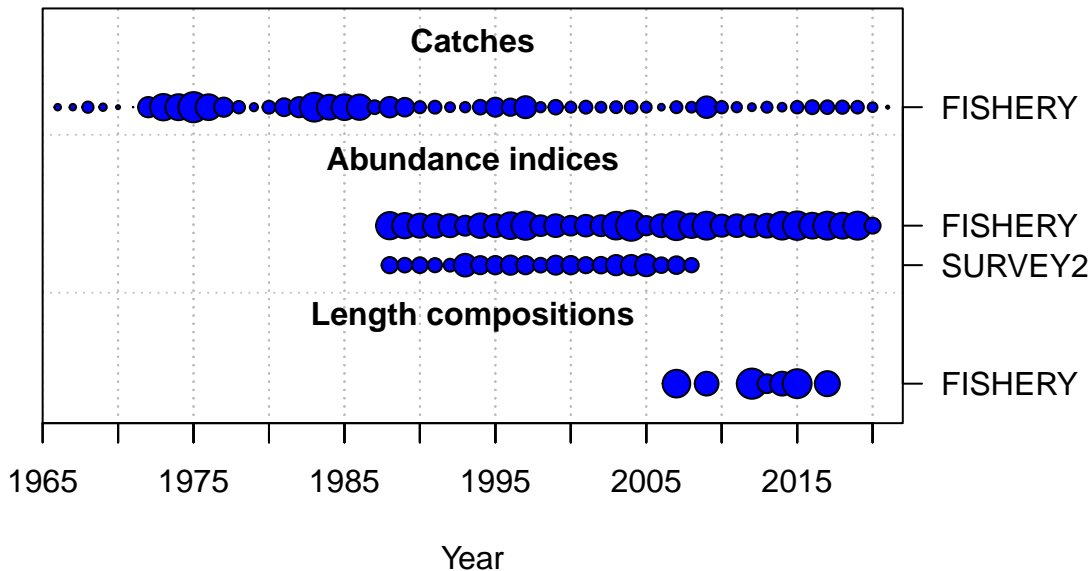






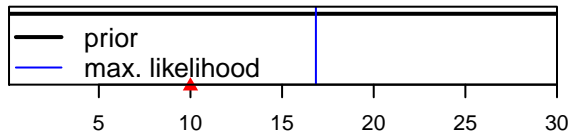




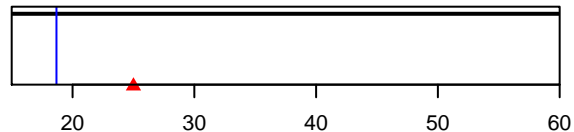


Density

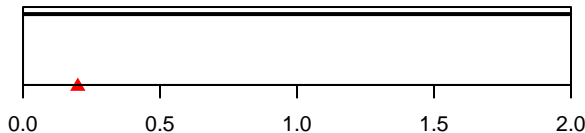
SR\_LN(R0)



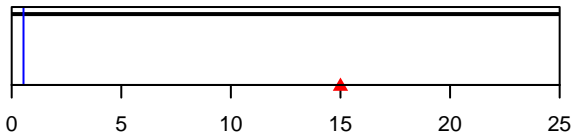
Size\_inflection\_FISHERY(1)



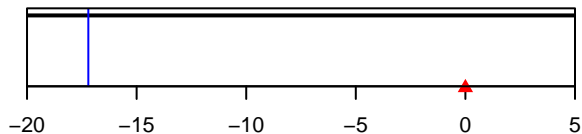
InitF\_seas\_1\_flt\_1FISHERY



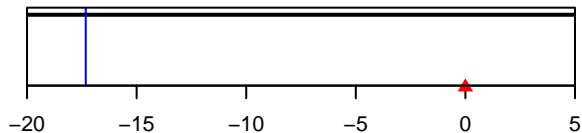
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value