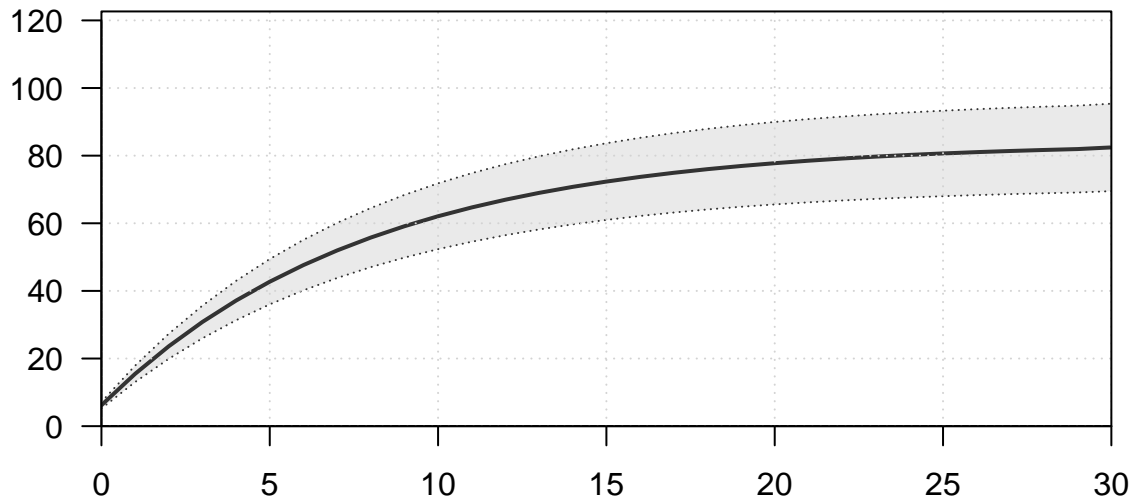
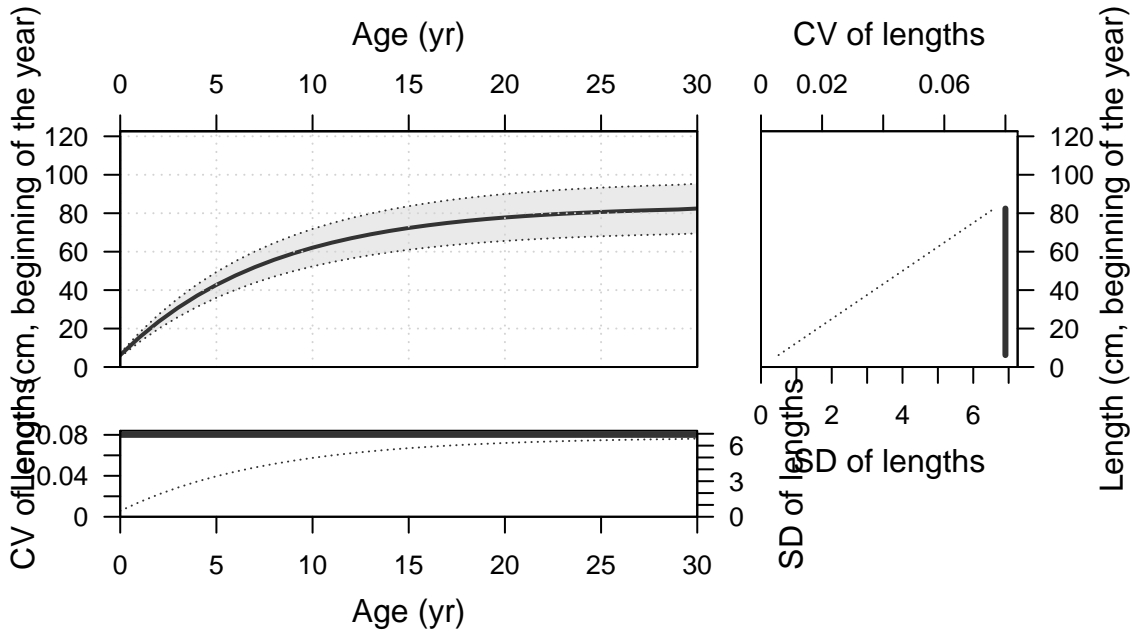


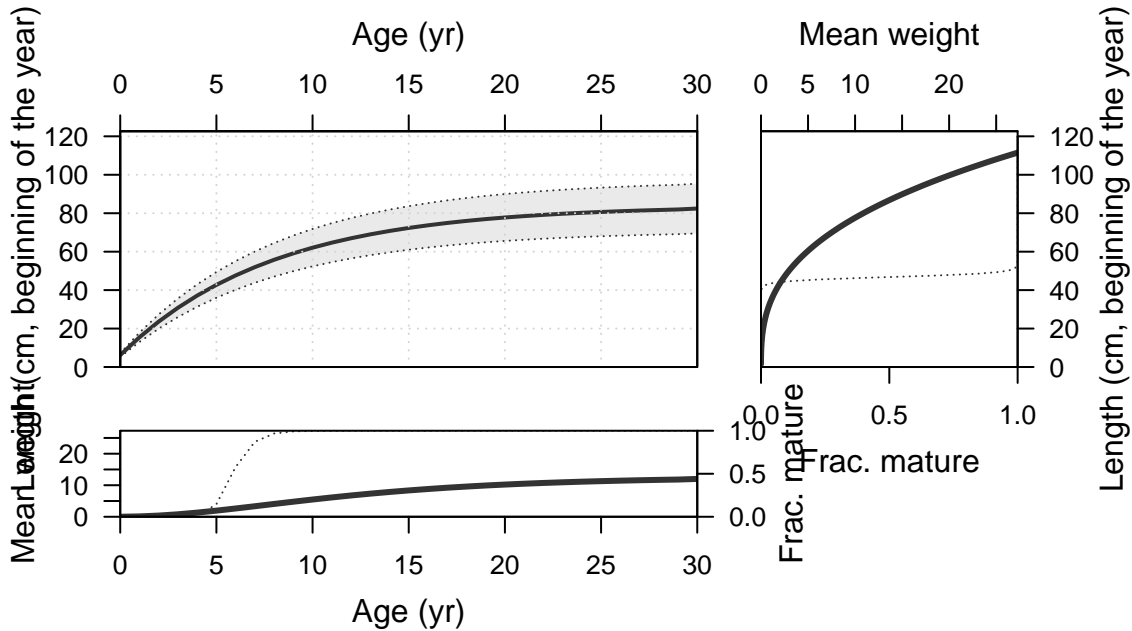
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Thu Jul 21 13:27:34 2022  
Data\_File: data.ss  
Control\_File: control.ss

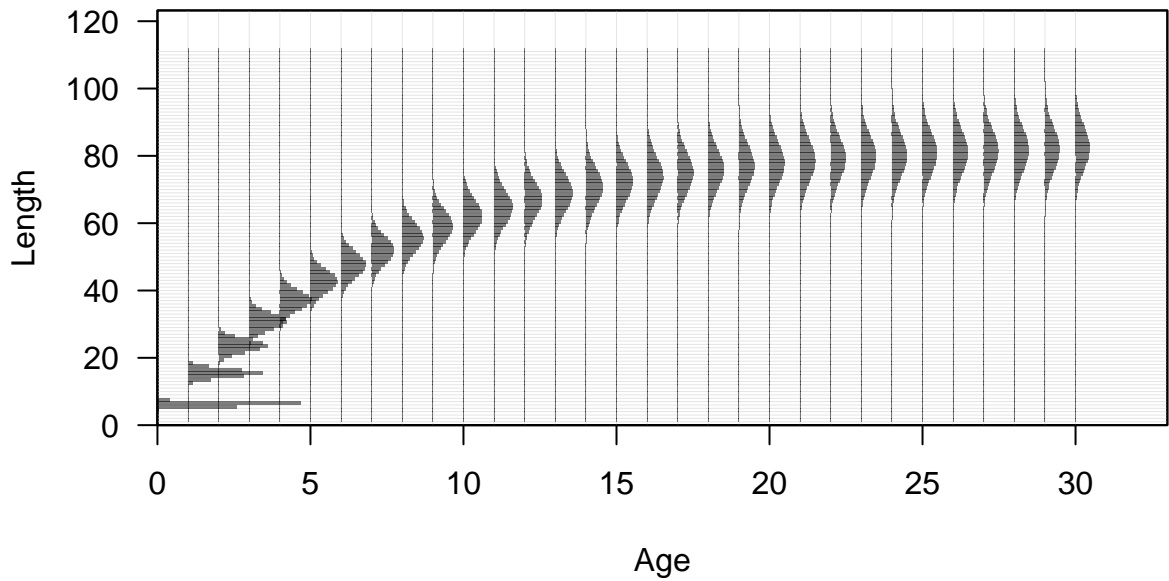
Length (cm, beginning of the year)

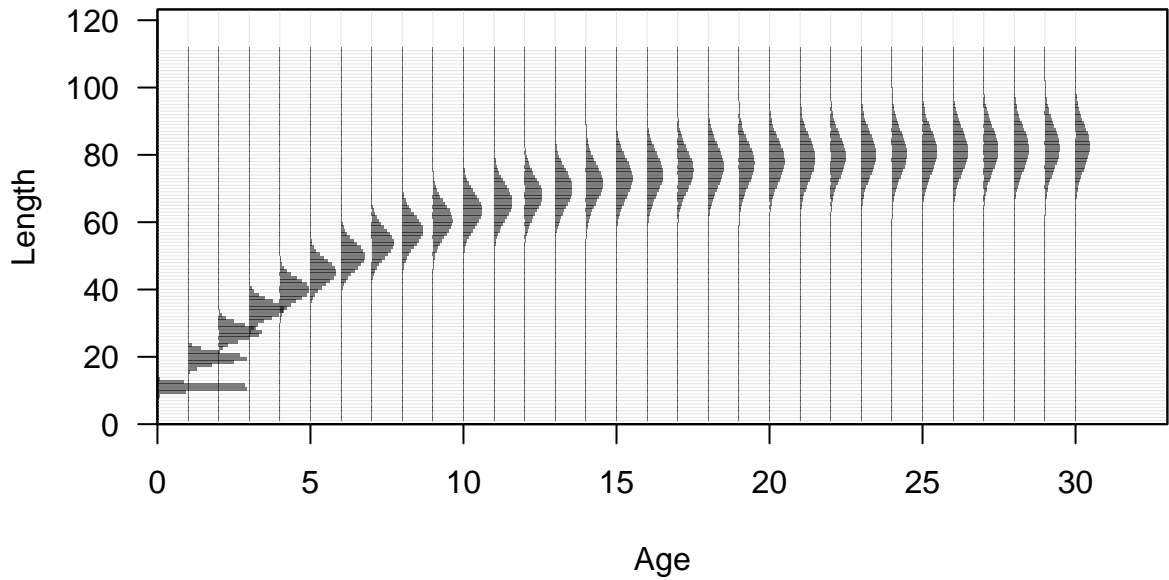


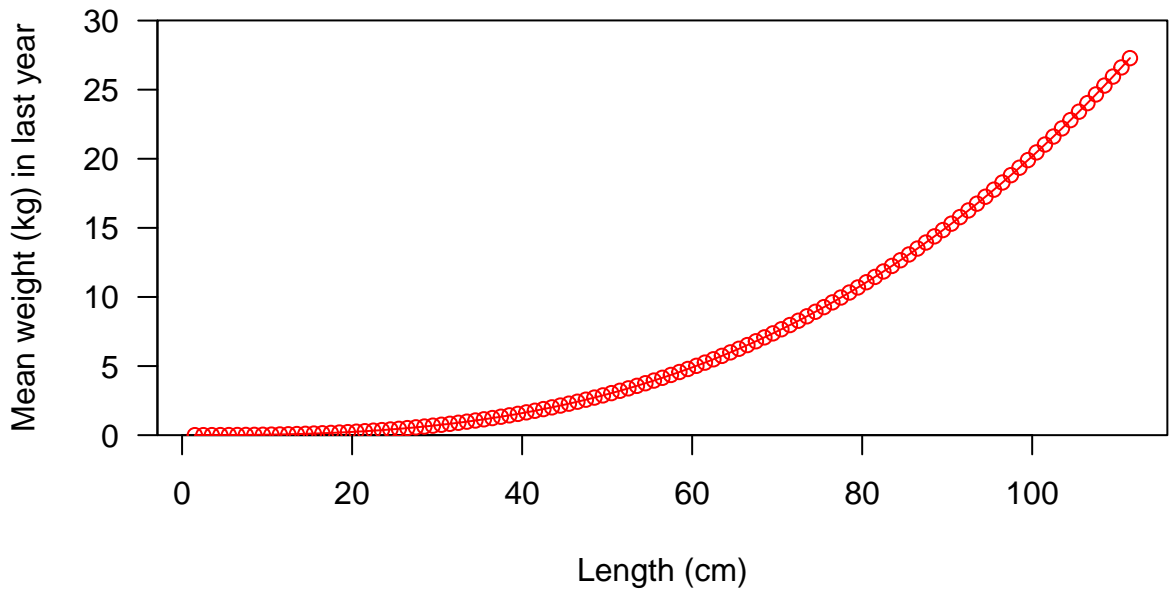
Age (yr)

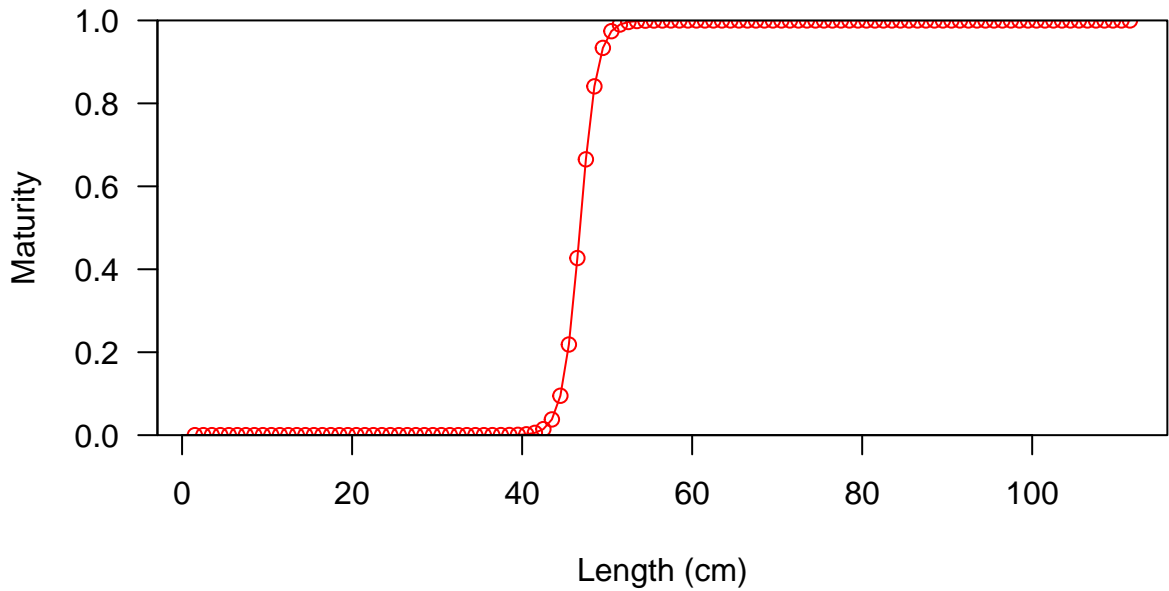




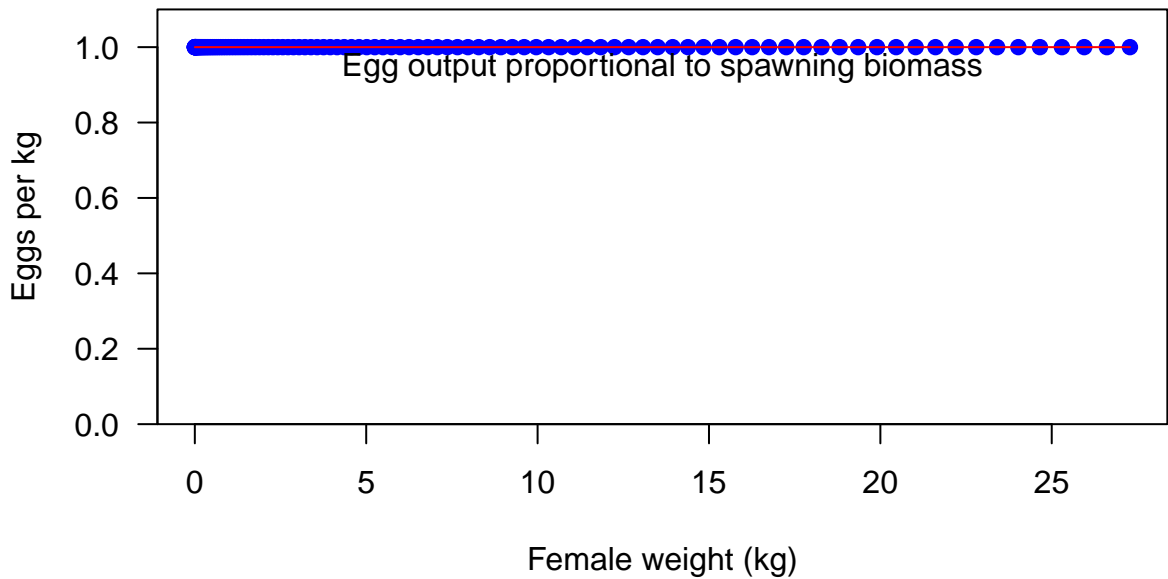


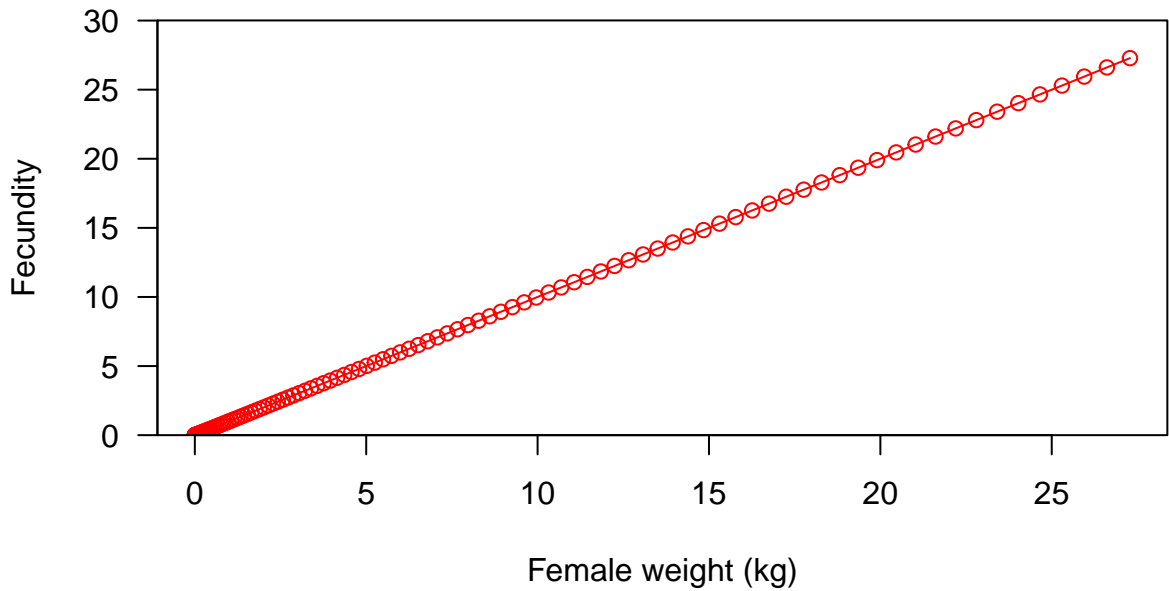




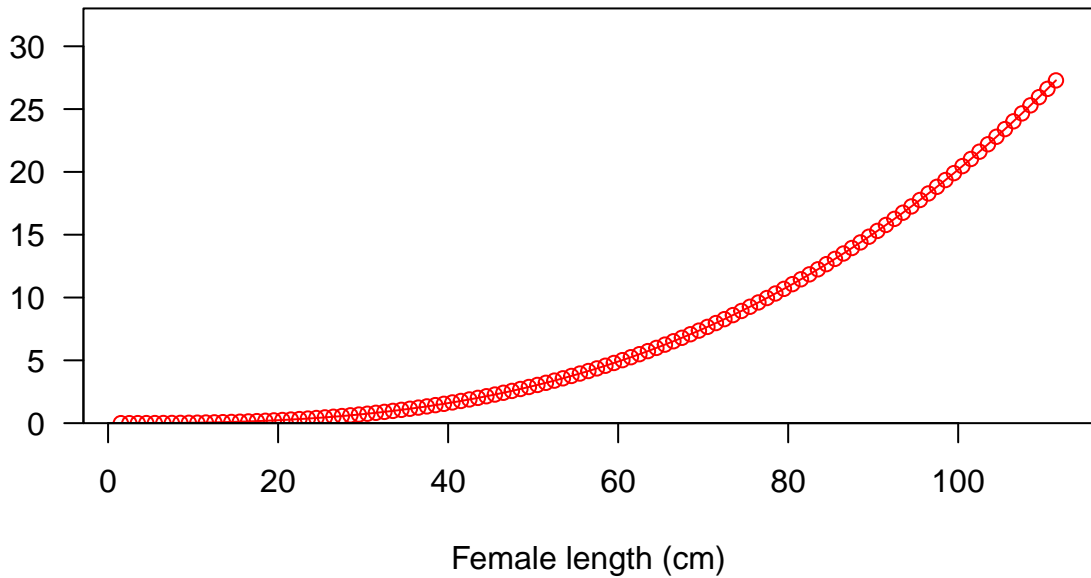


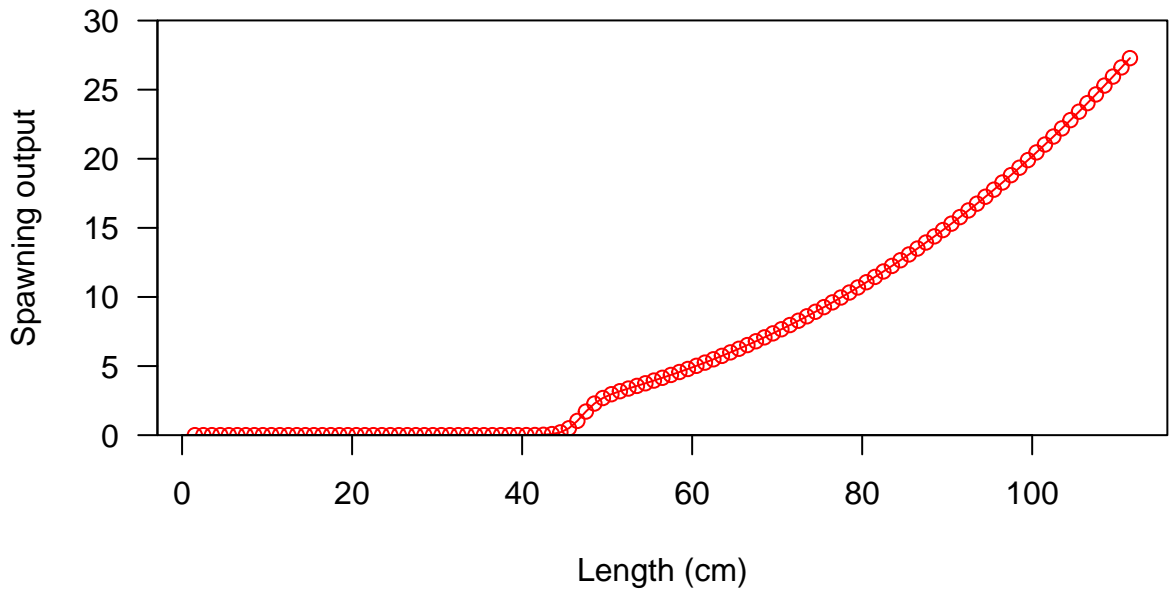




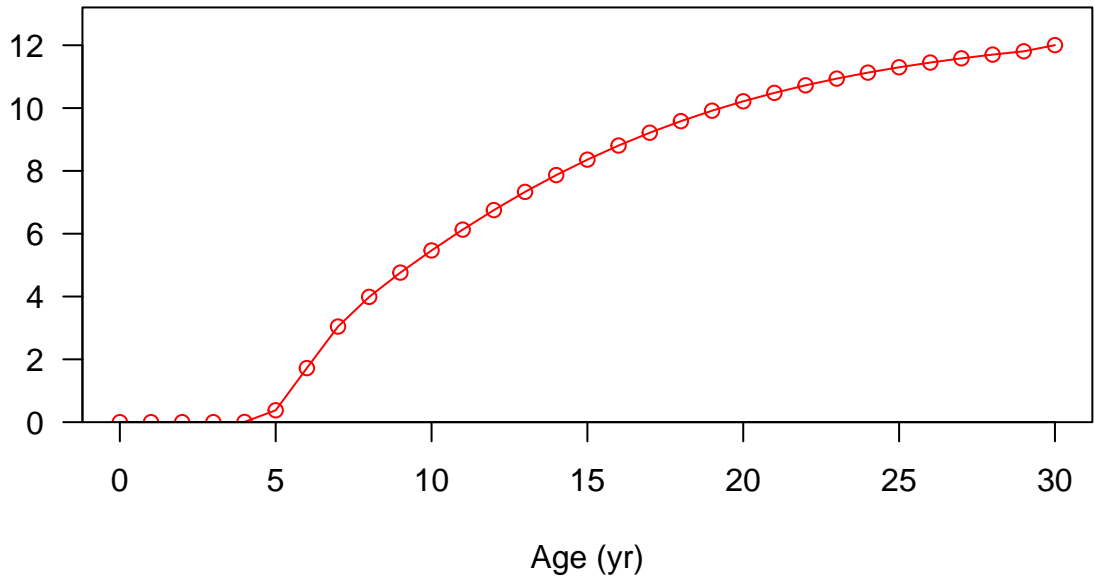


Fecundity

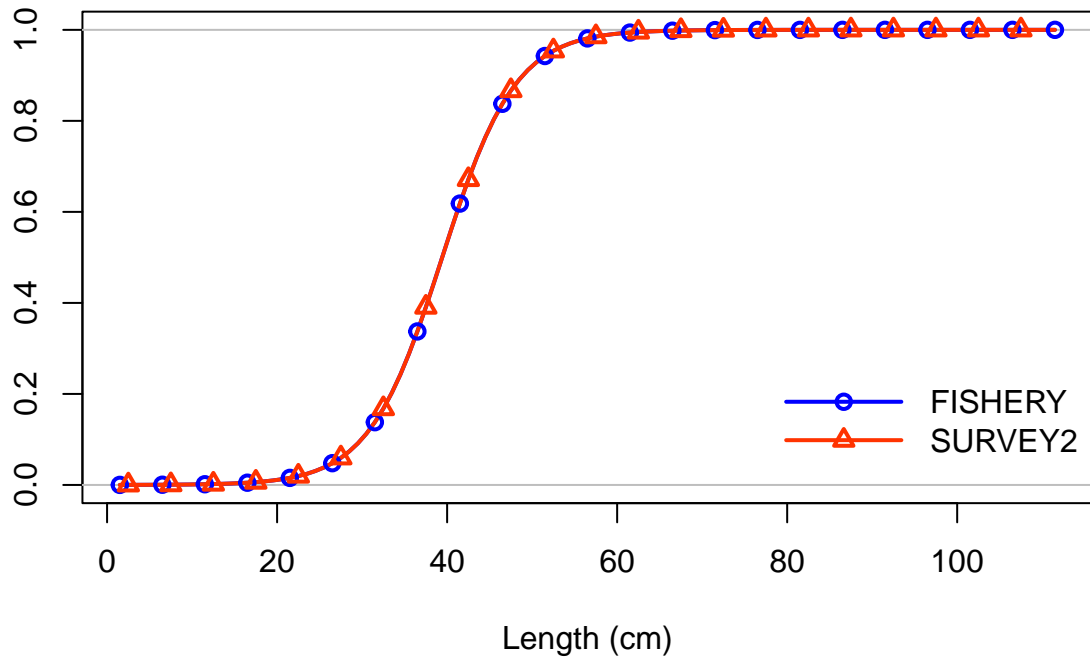




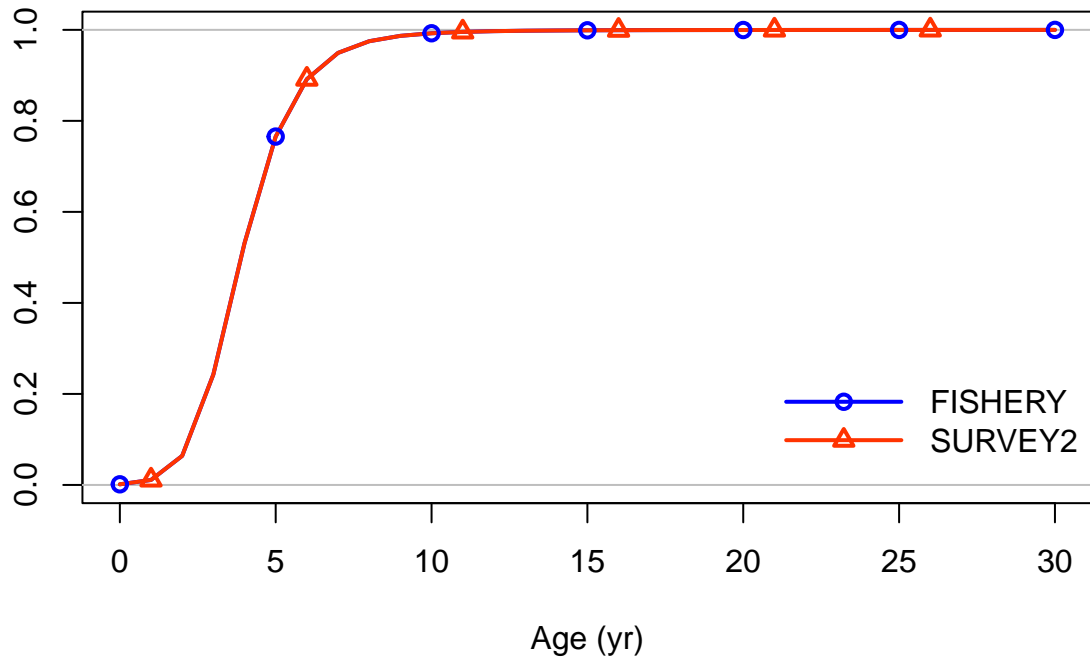
Spawning output



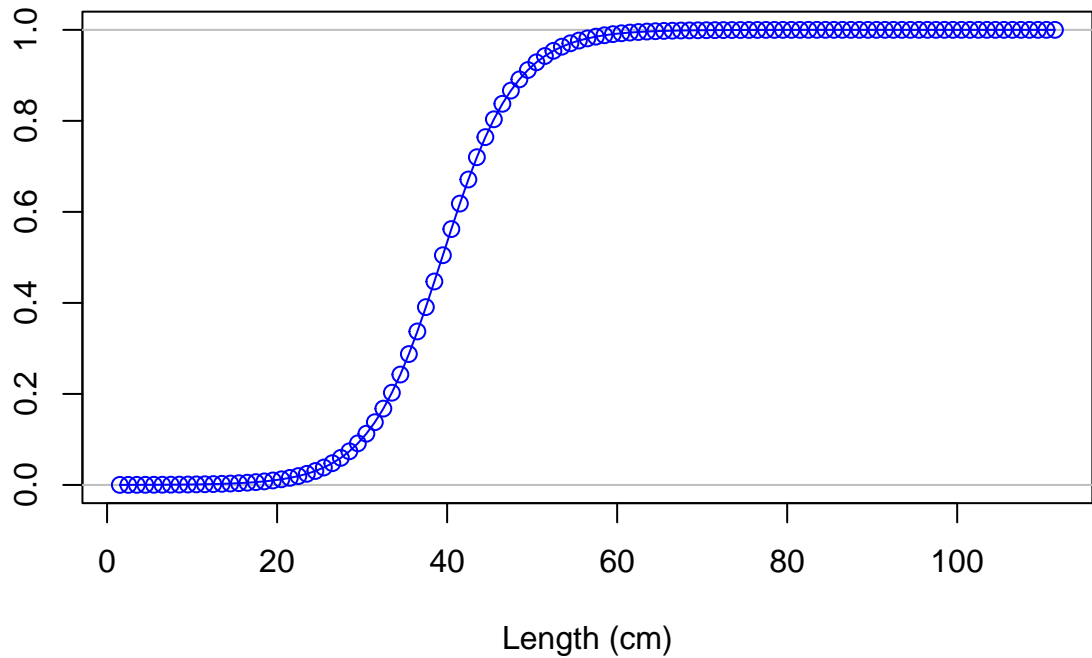
Selectivity



Selectivity

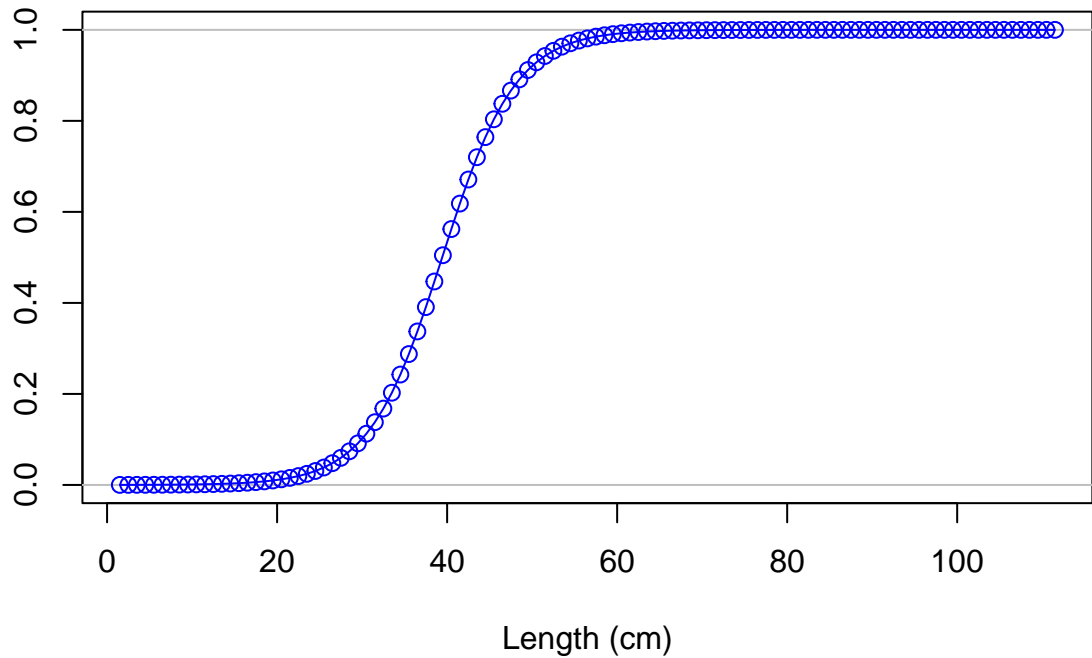


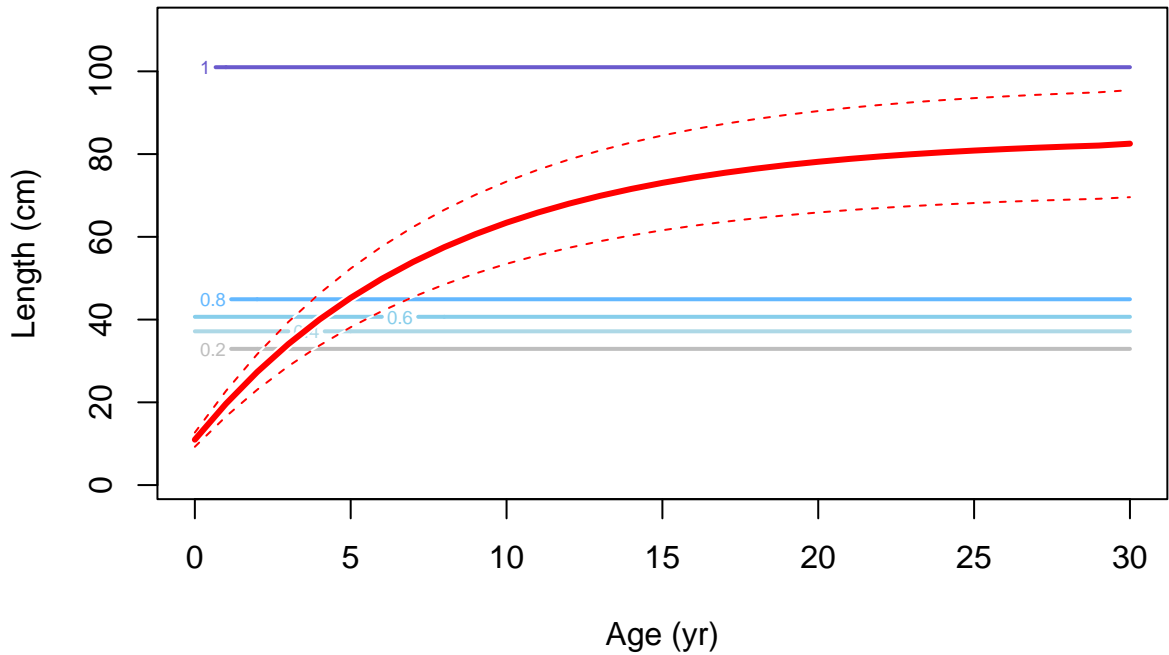
Selectivity

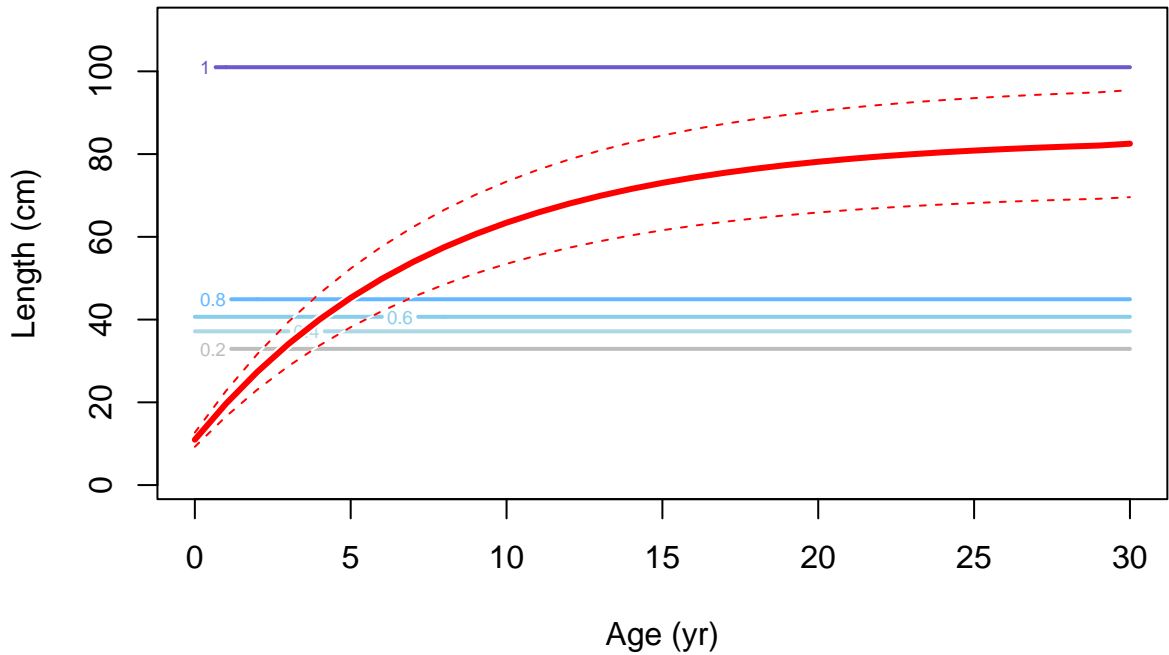


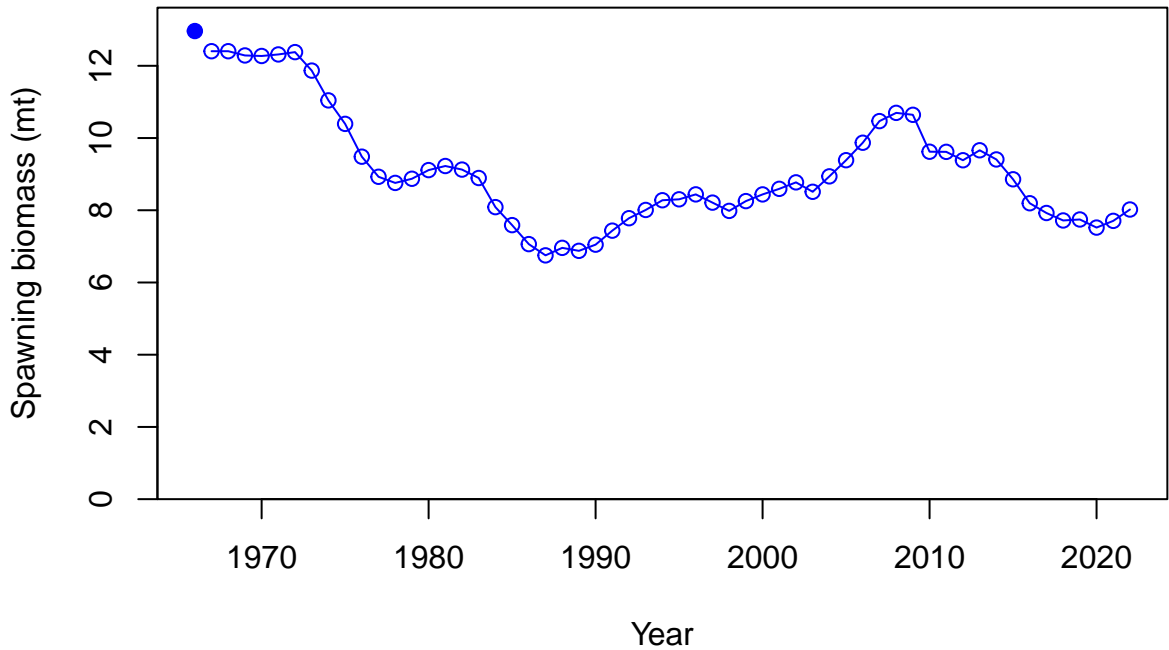


Selectivity

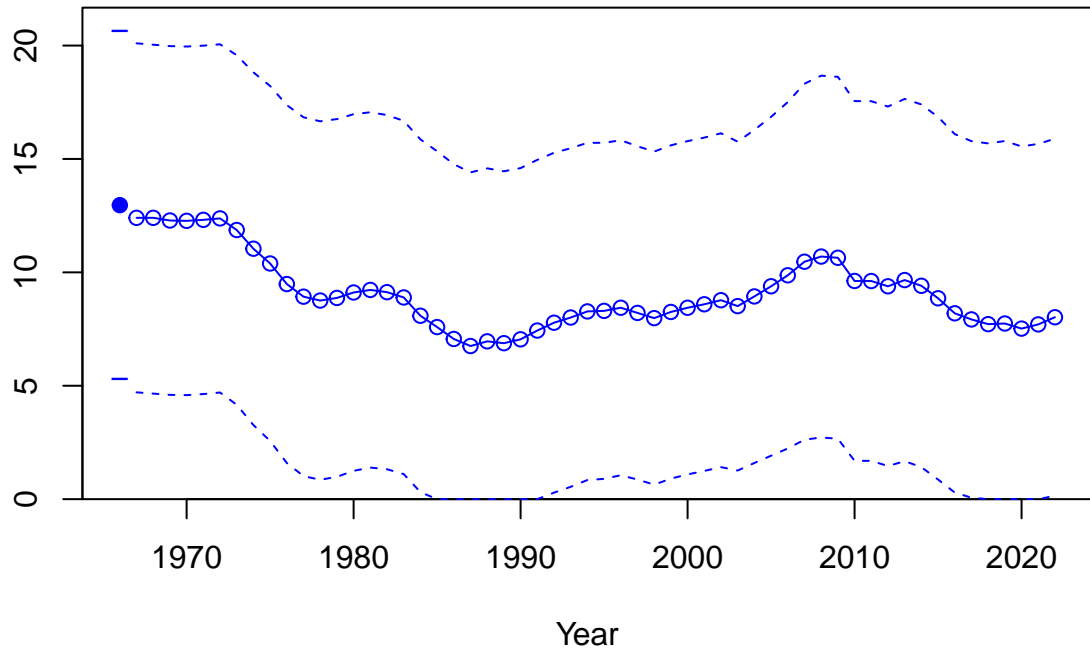




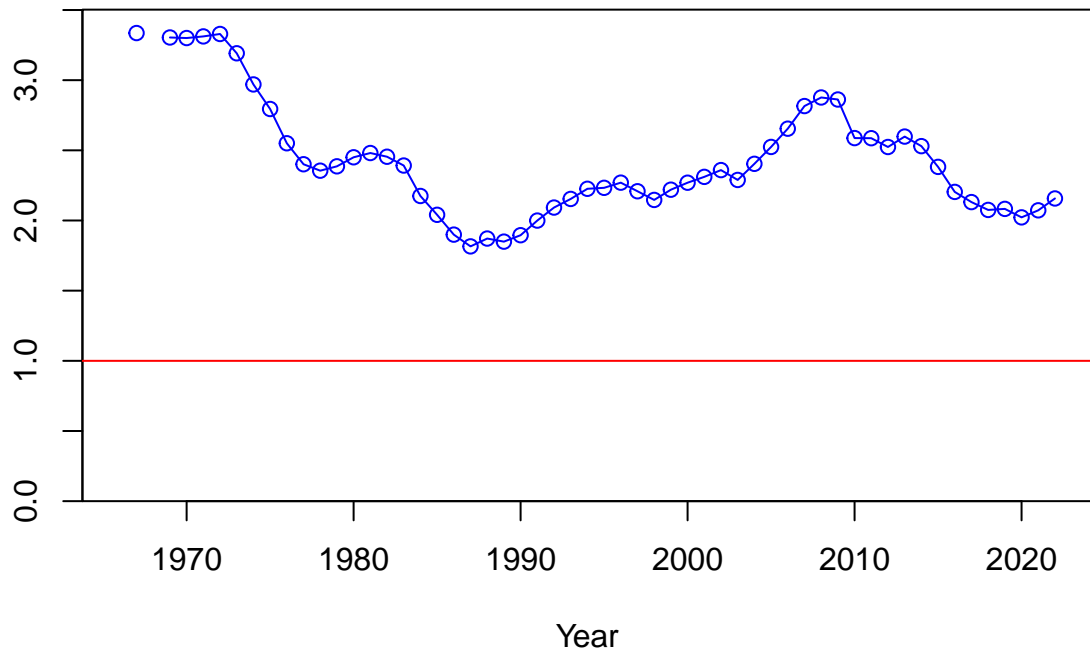




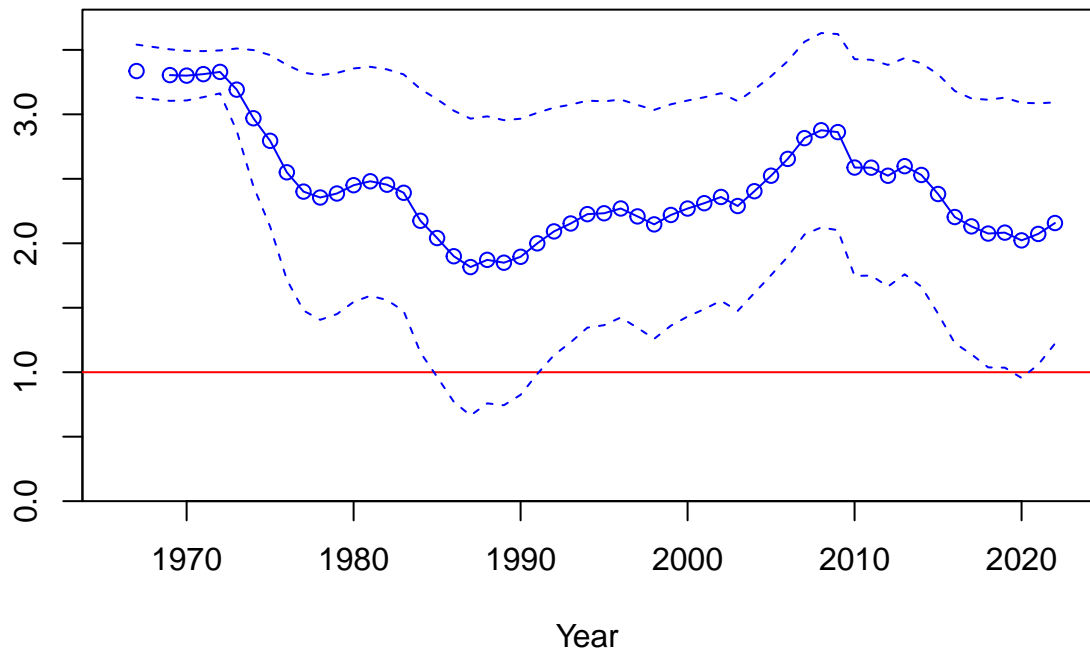
Spawning biomass (mt)

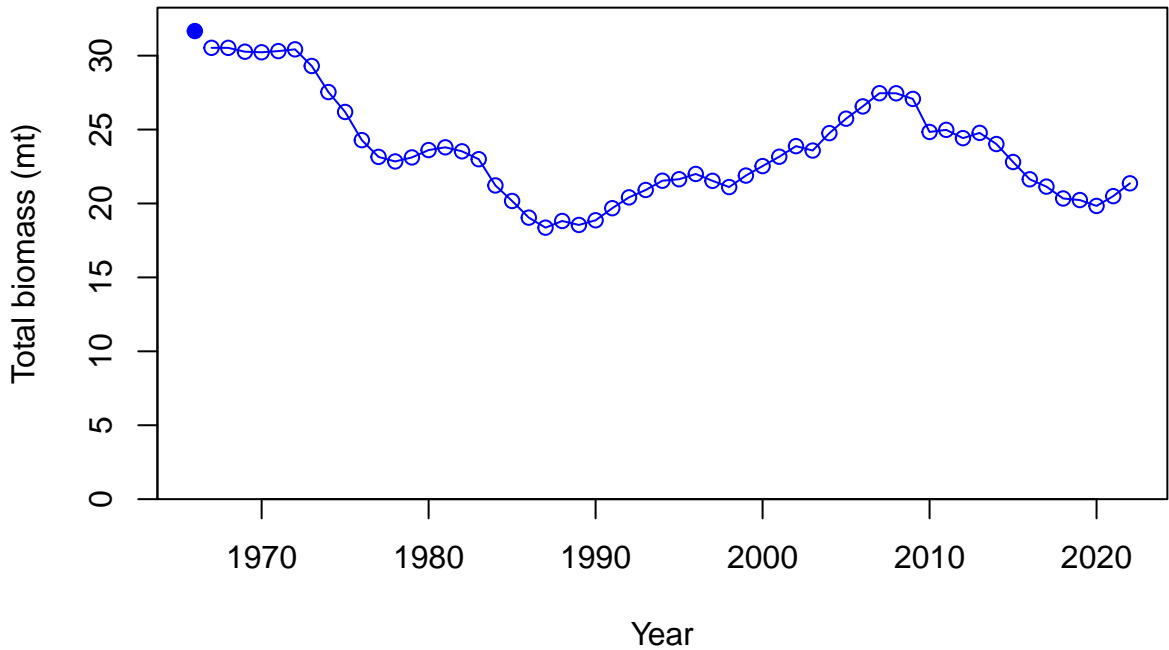


Relative spawning biomass:  $B/B_{MSY}$

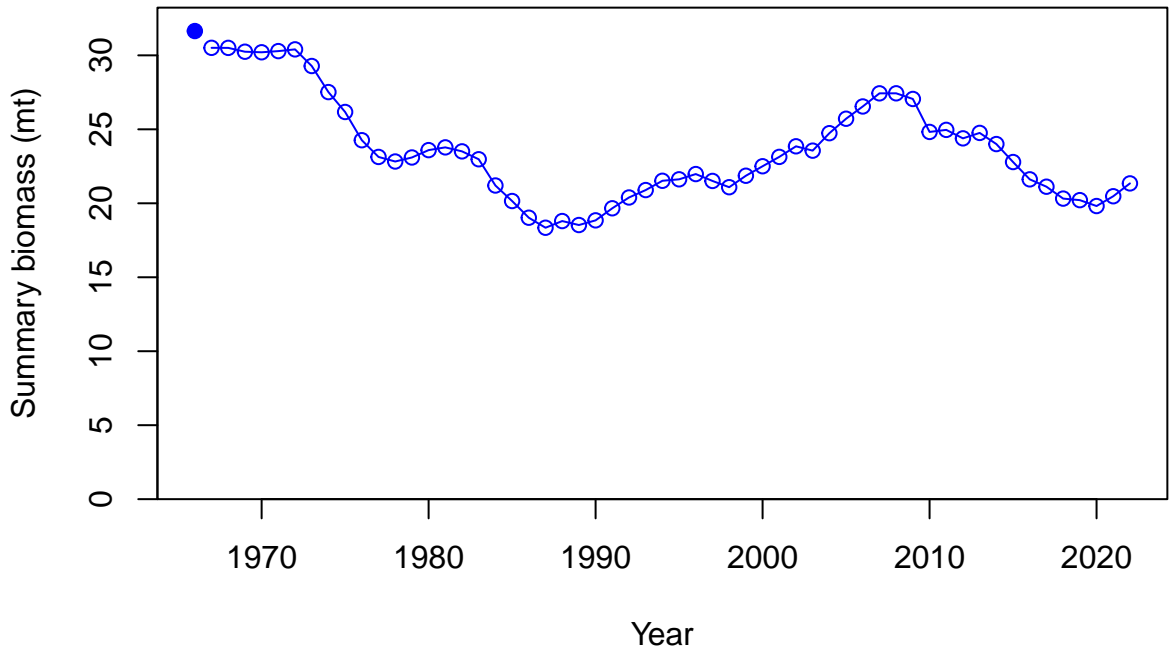


Relative spawning biomass:  $B/B_{MSY}$

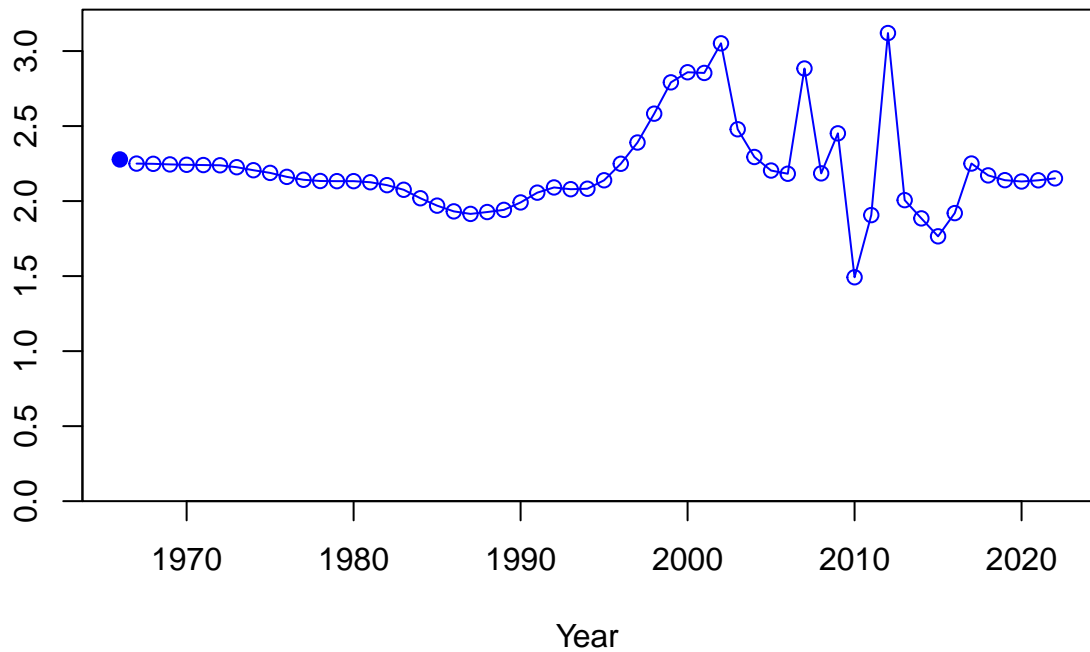




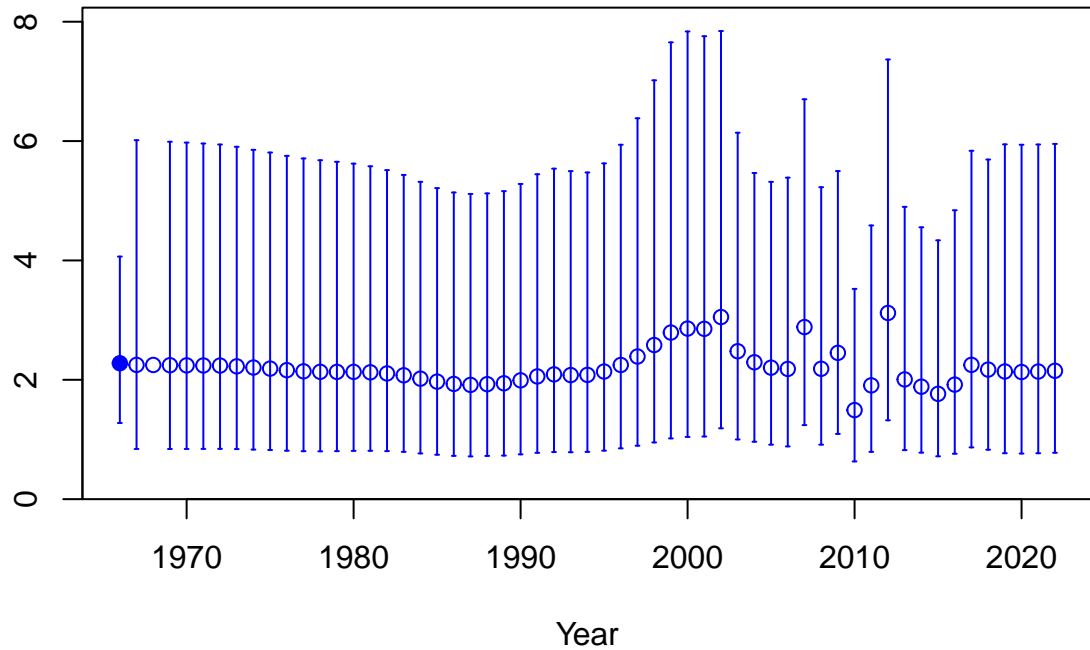




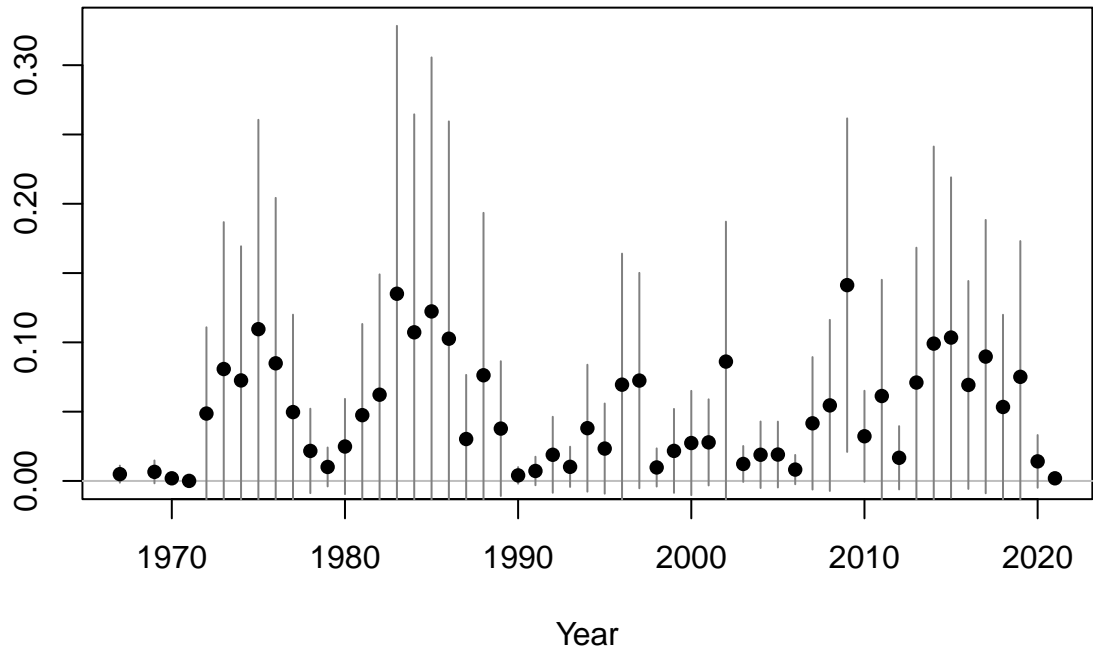
Age-0 recruits (1,000s)

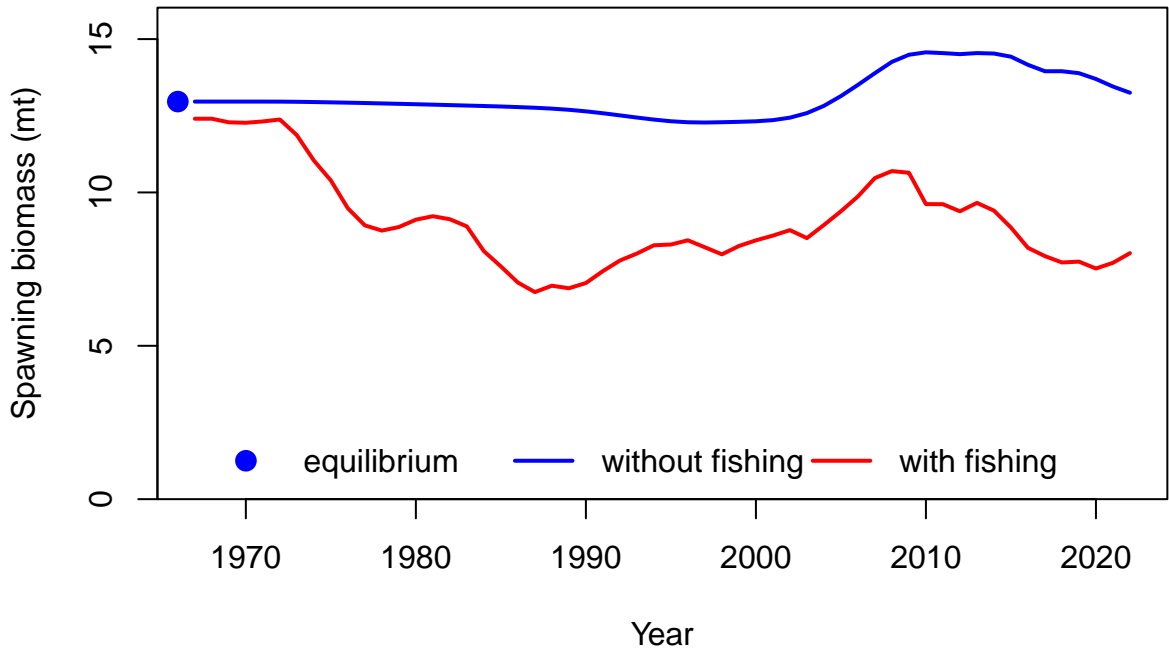


Age-0 recruits (1,000s)

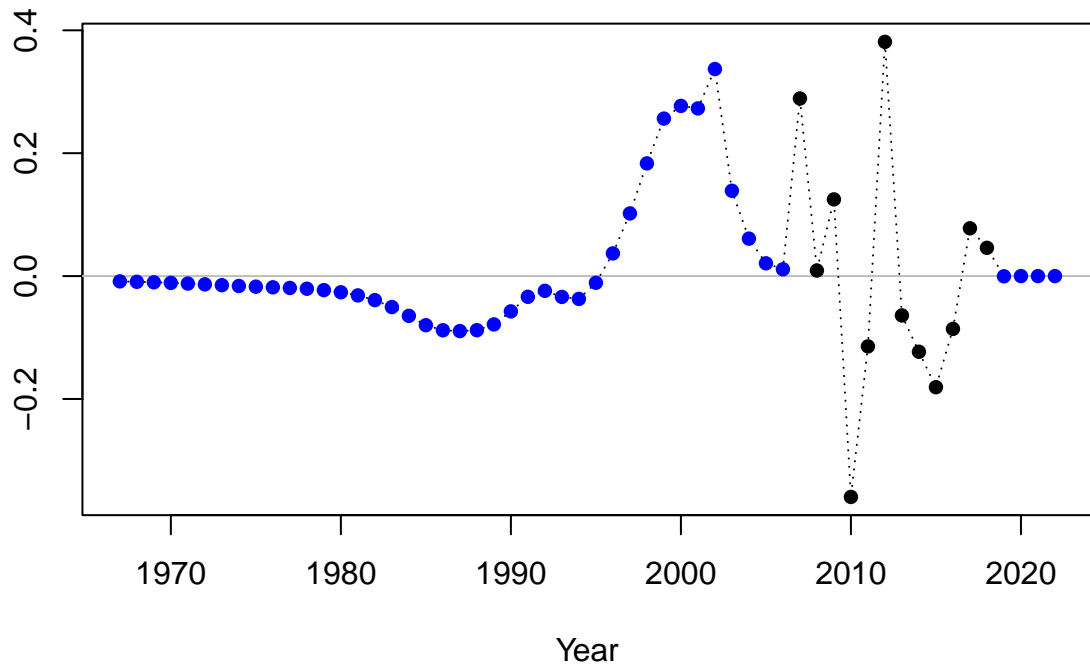


Summary Fishing Mortality

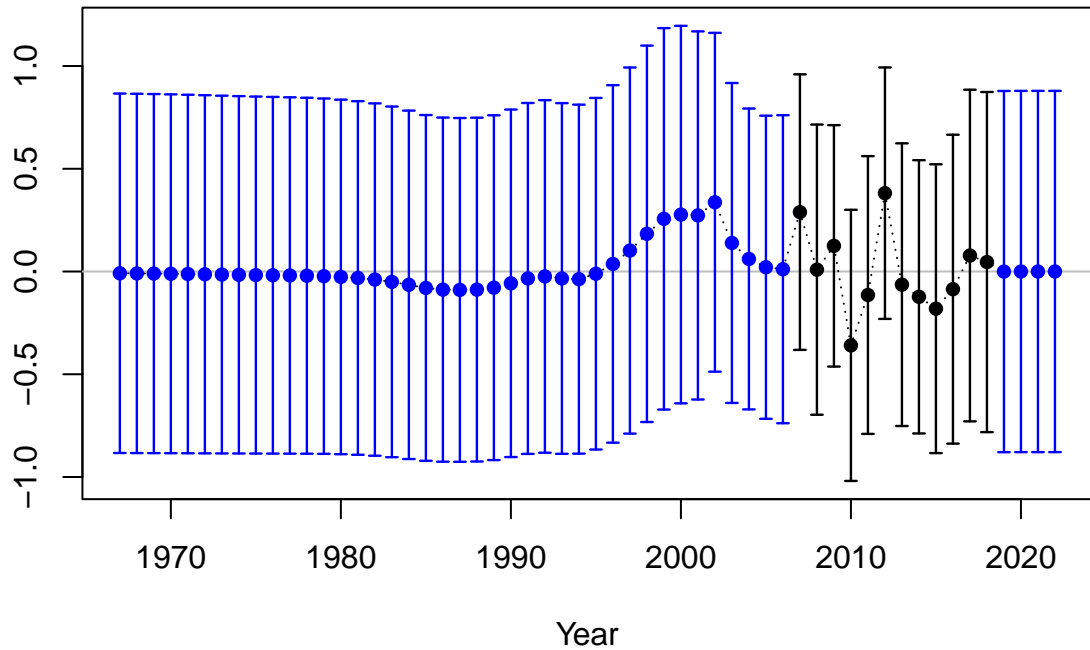




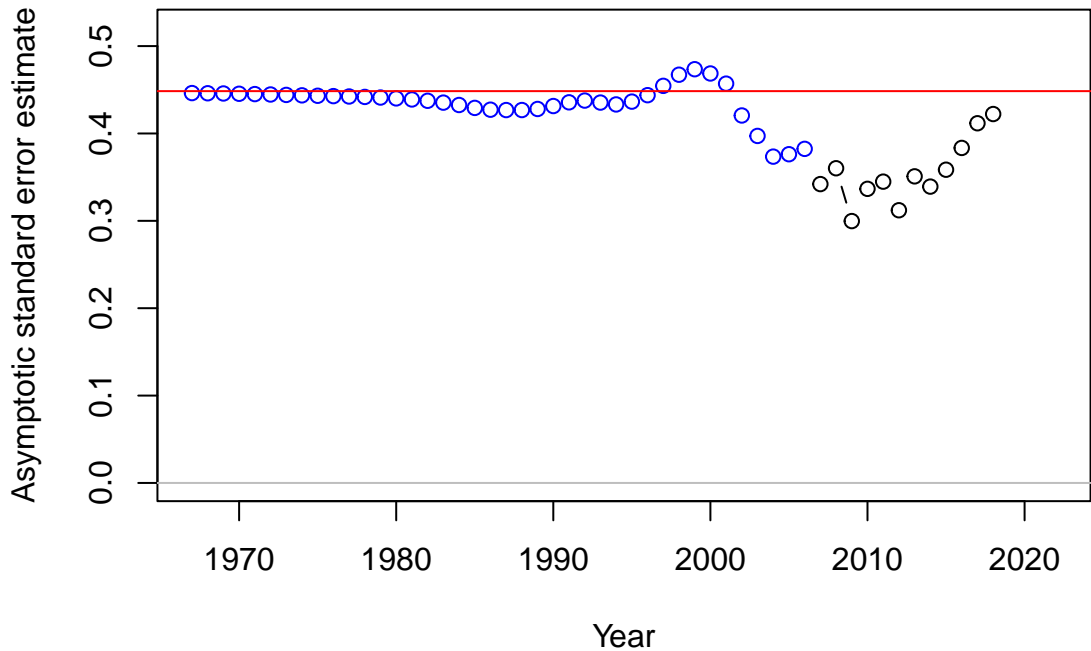
Log recruitment deviation



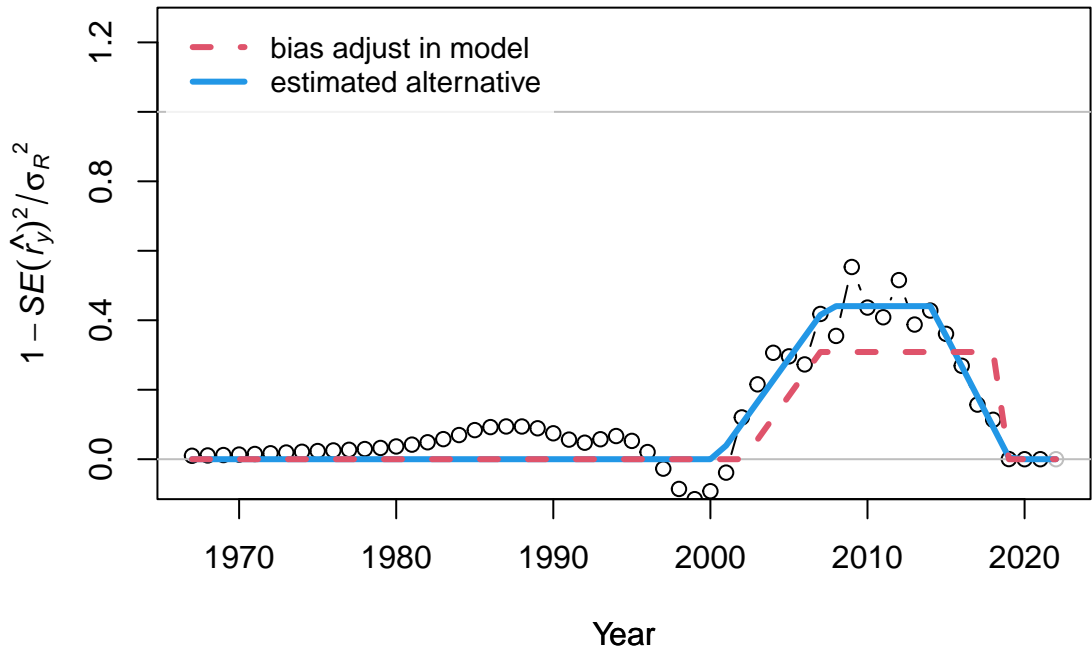
Log recruitment deviation

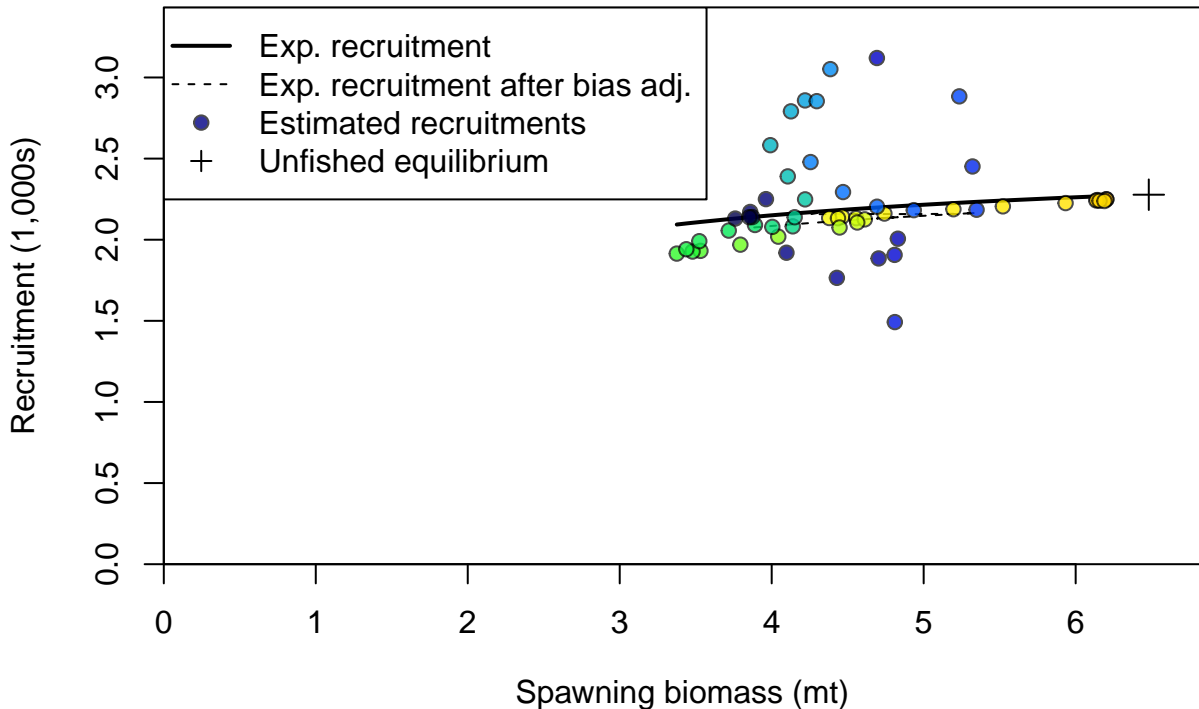


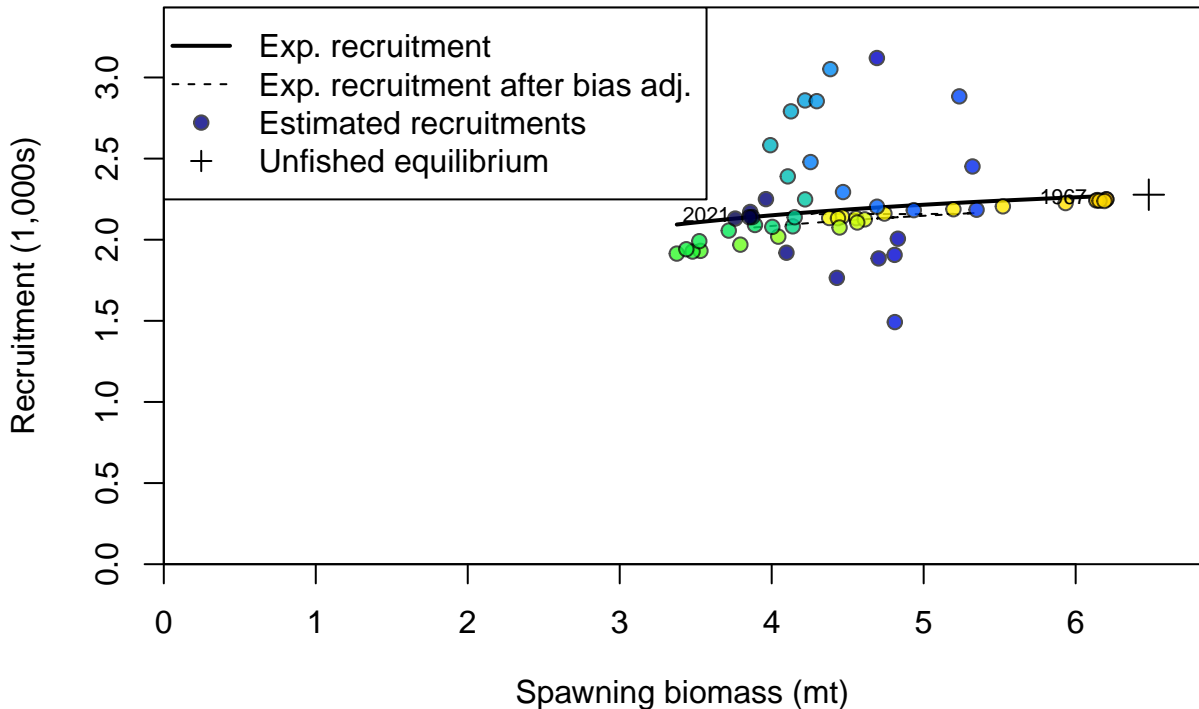
## Recruitment deviation variance



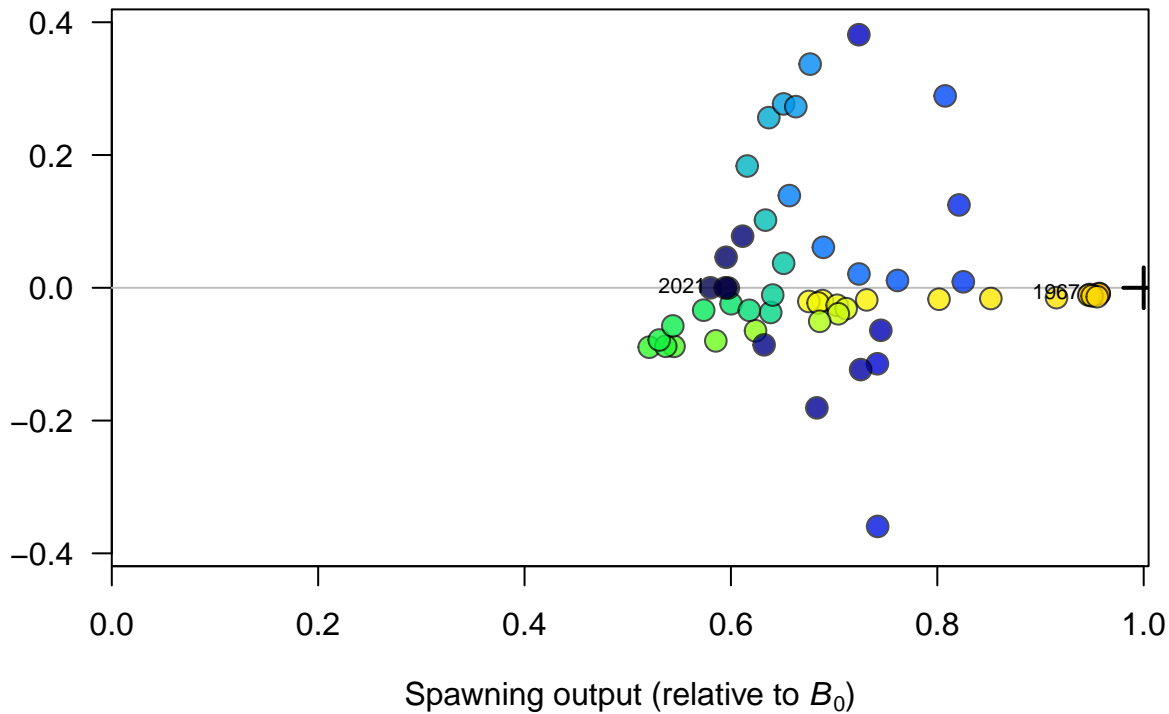


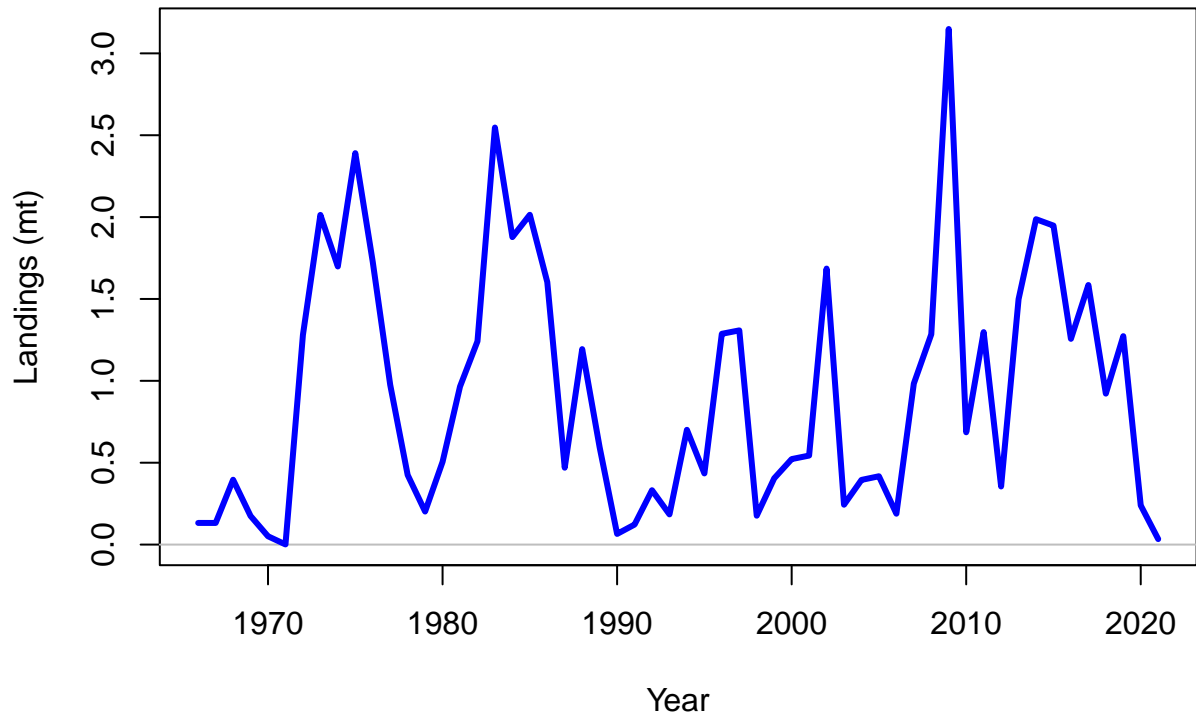


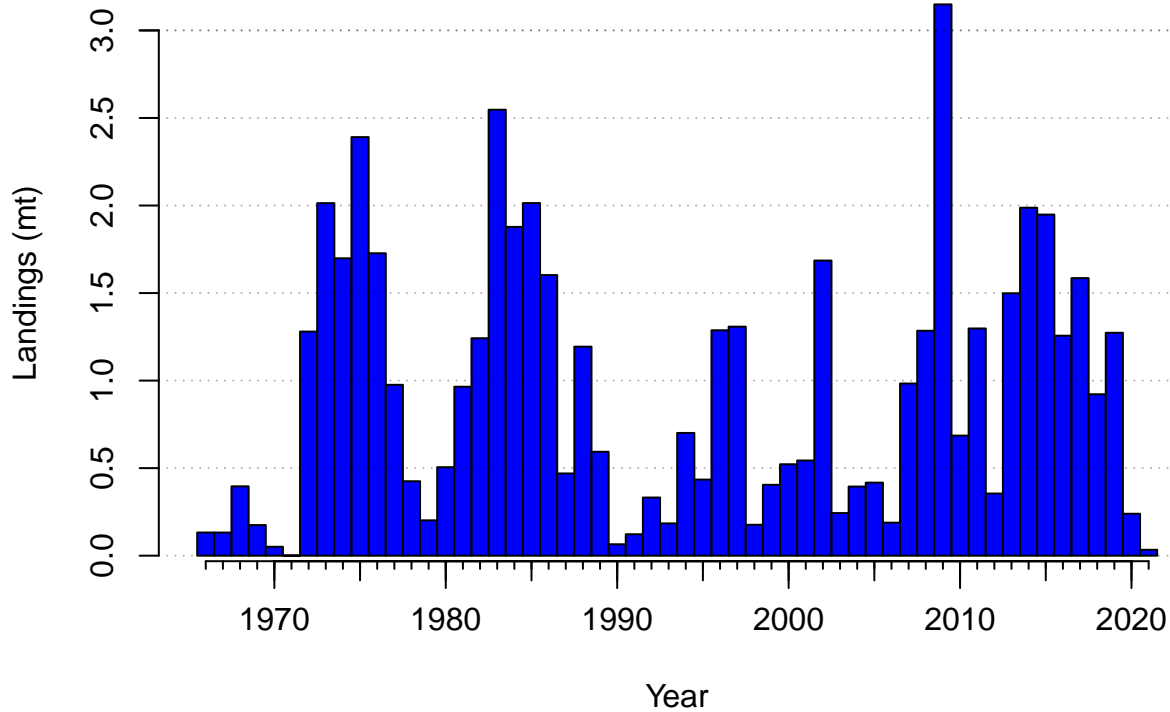


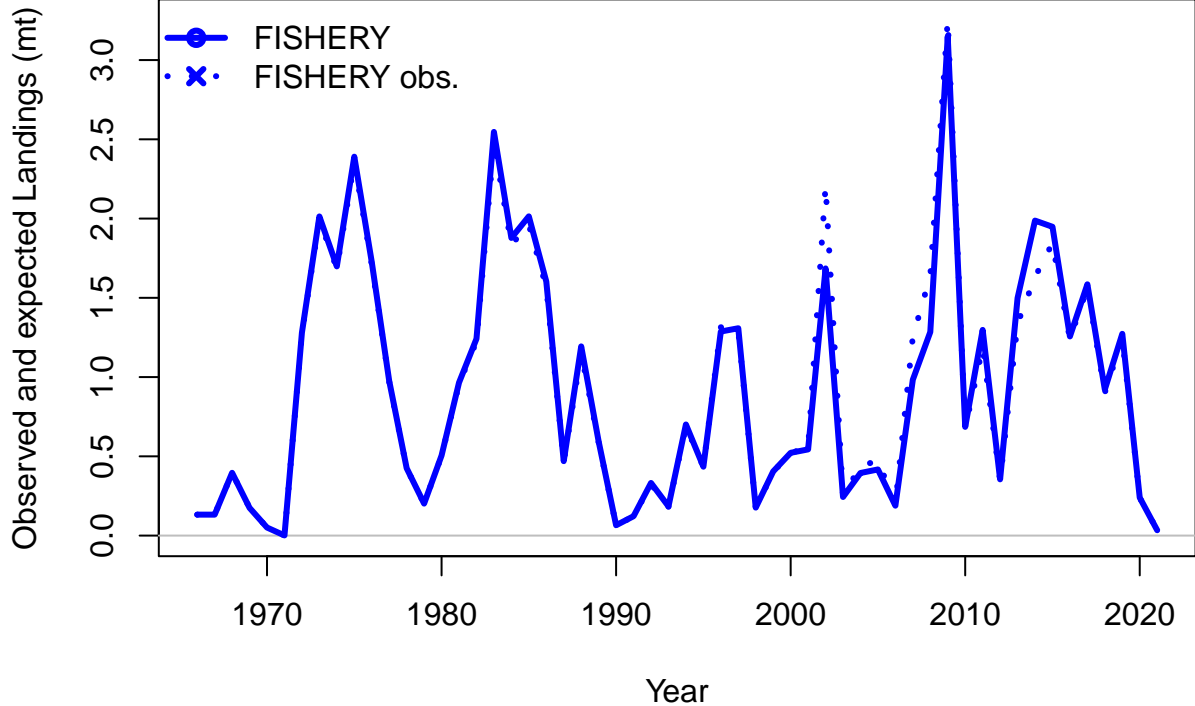


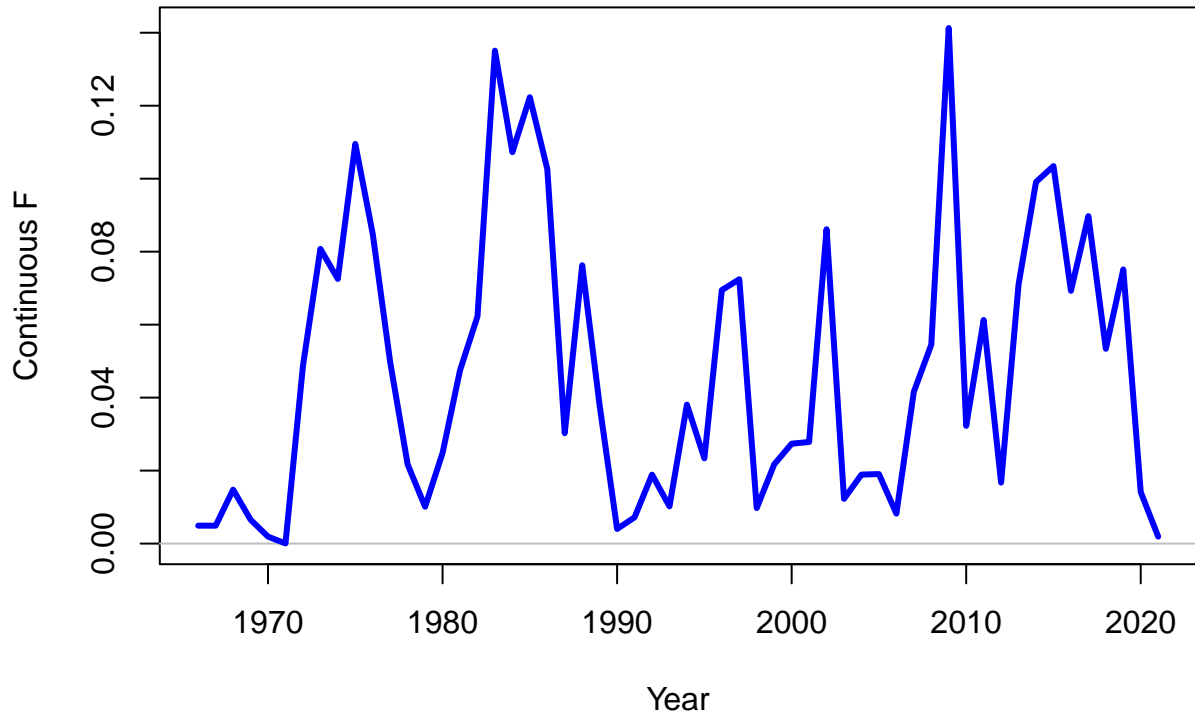
Log recruitment deviation





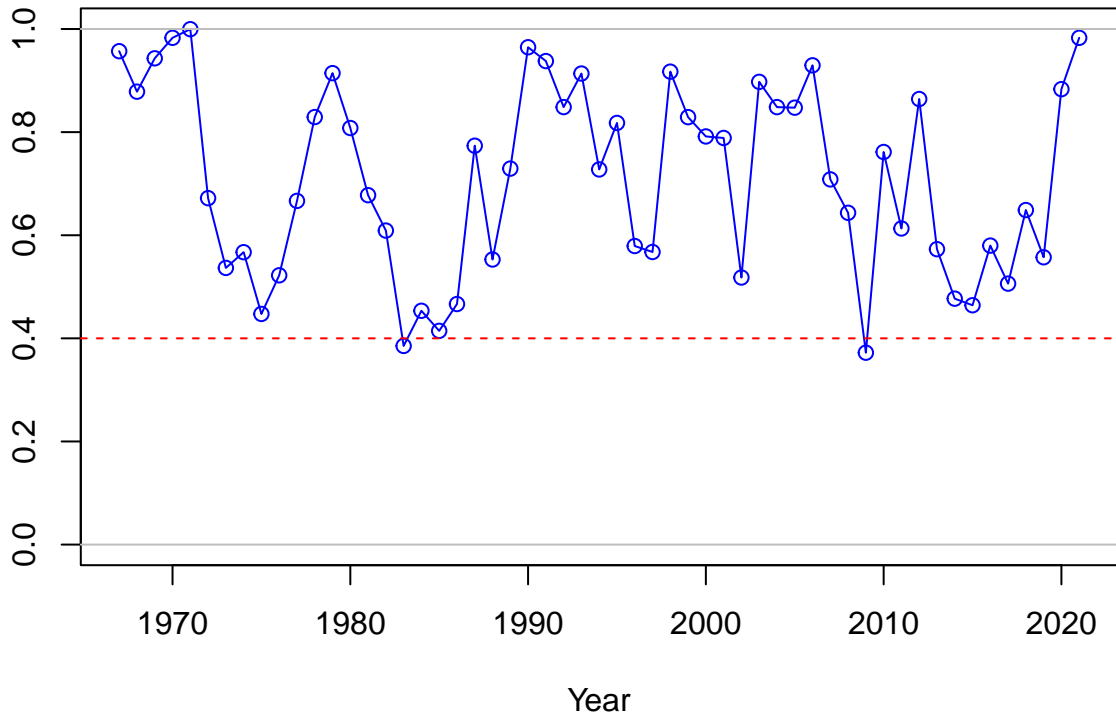




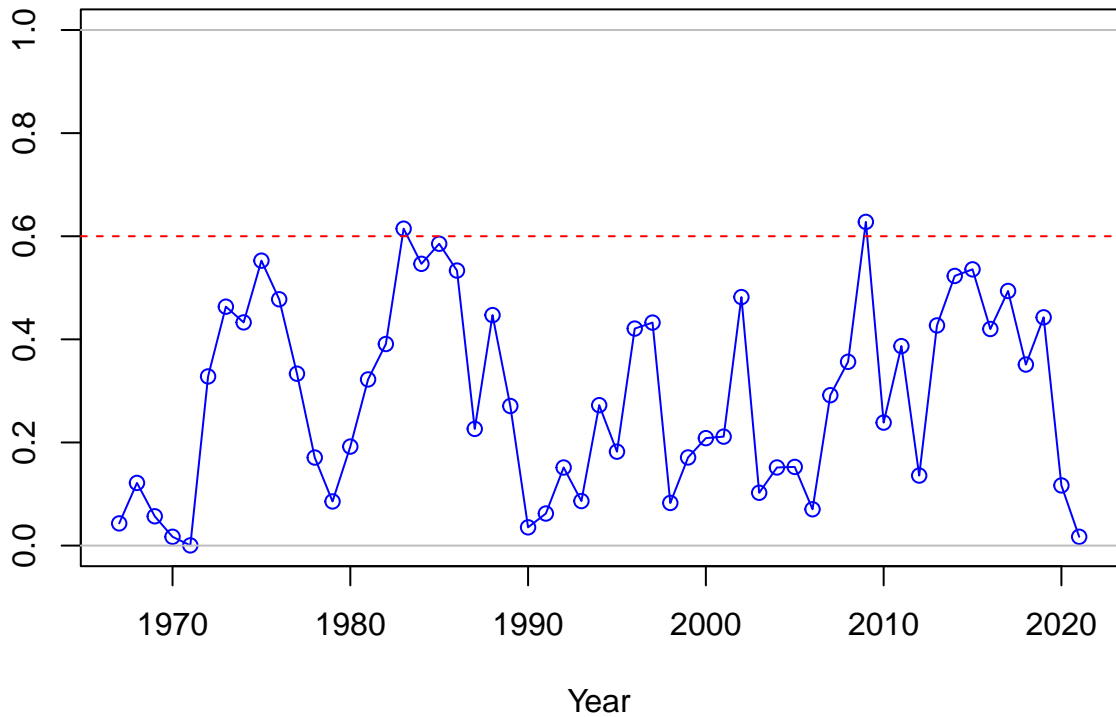




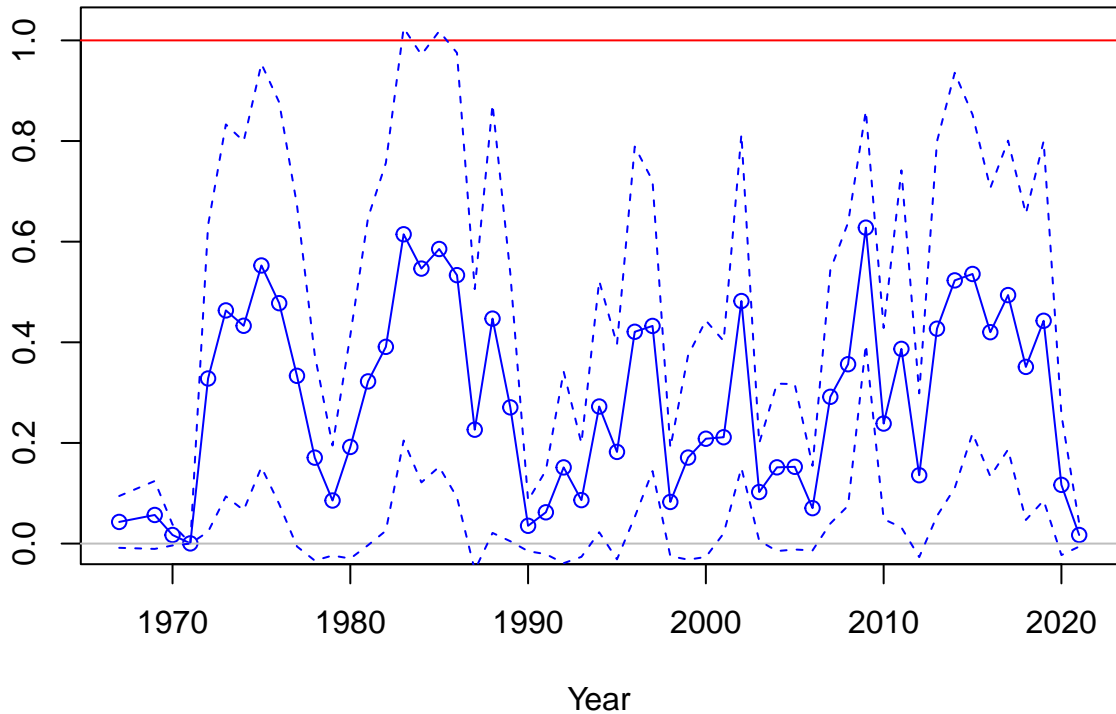
SPR

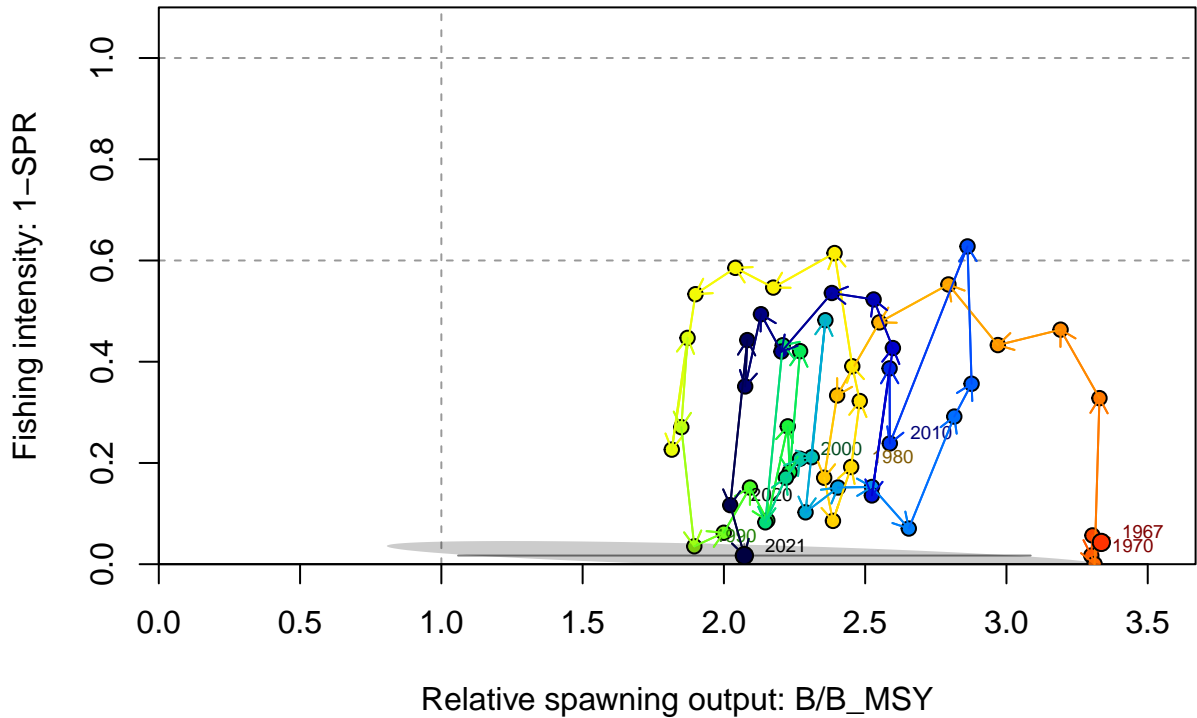


1-SPR

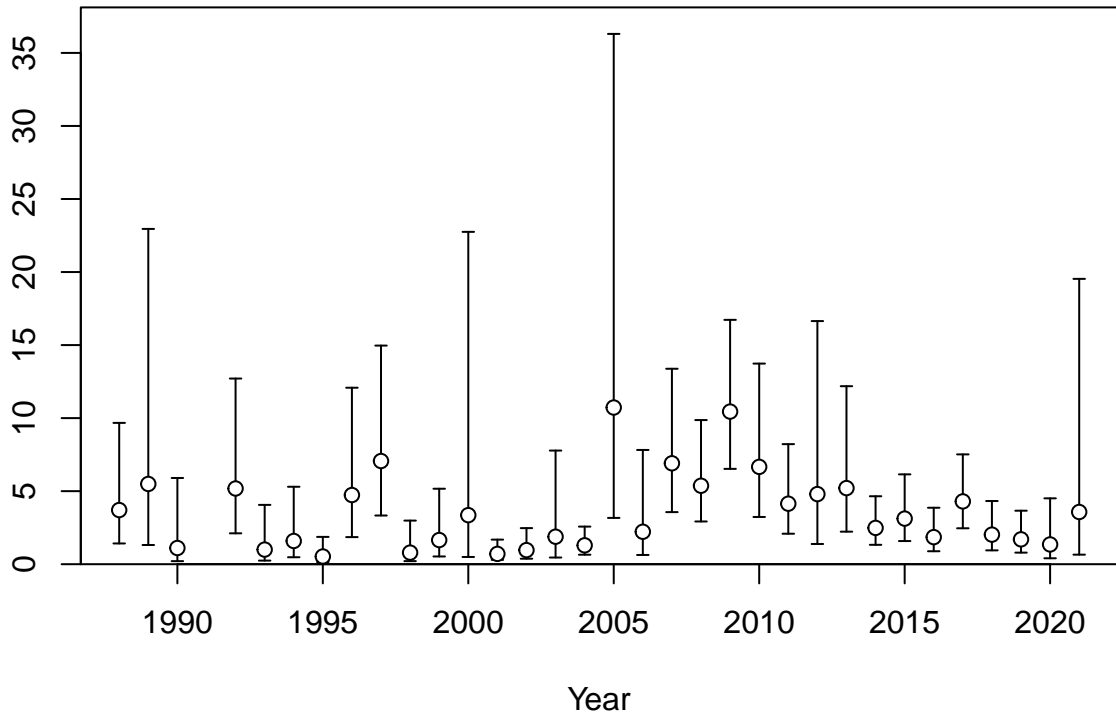


Fishing intensity: 1-SPR

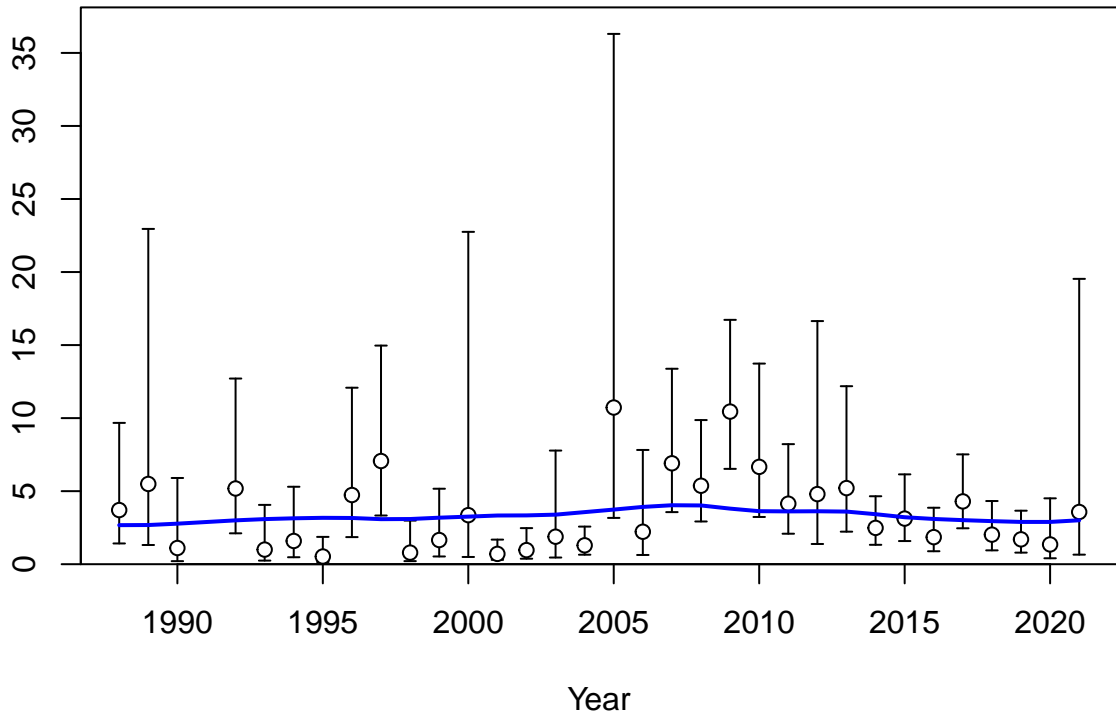




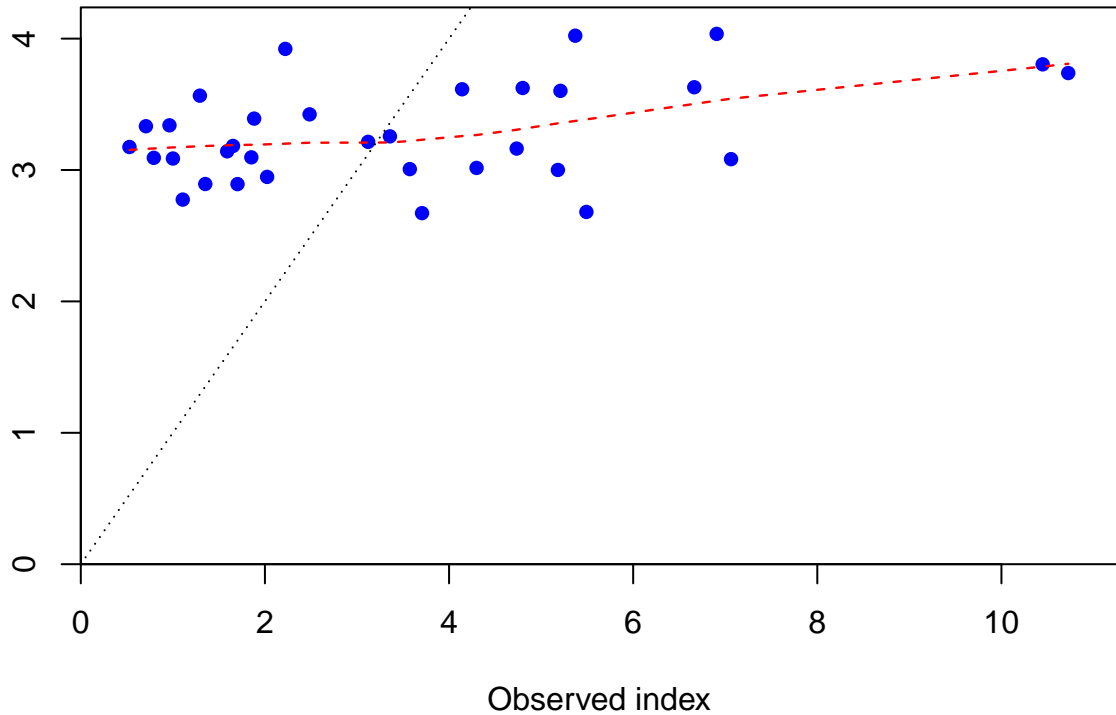
Index

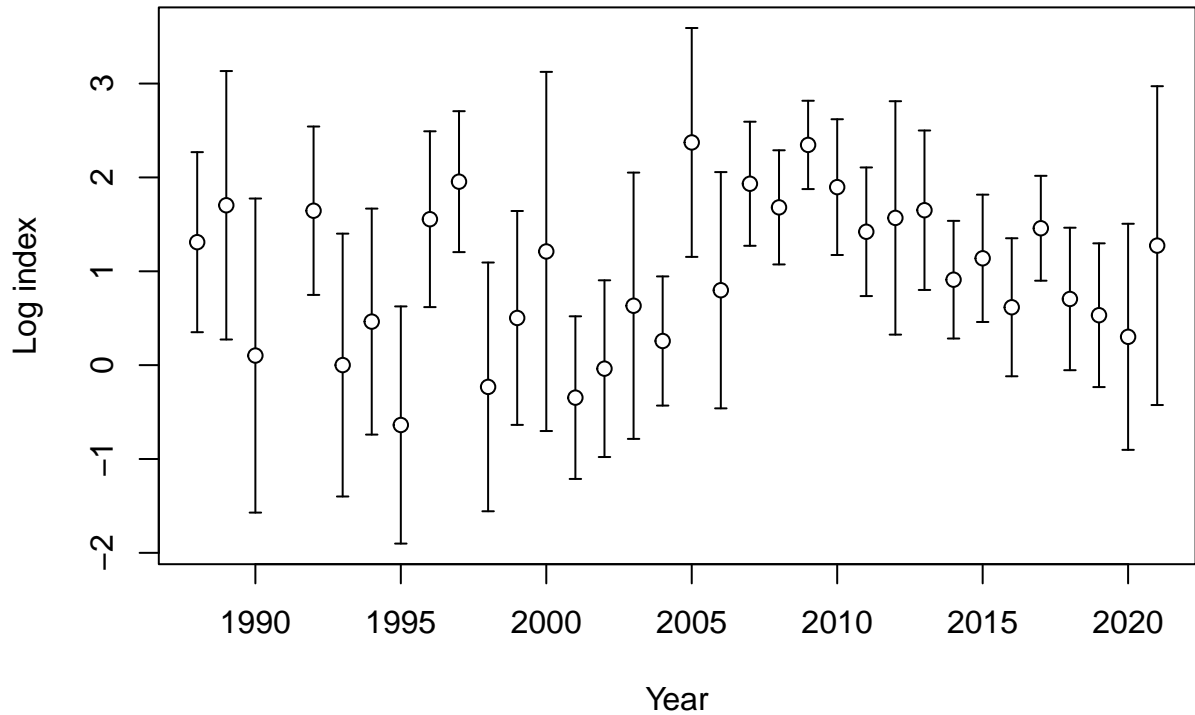


Index

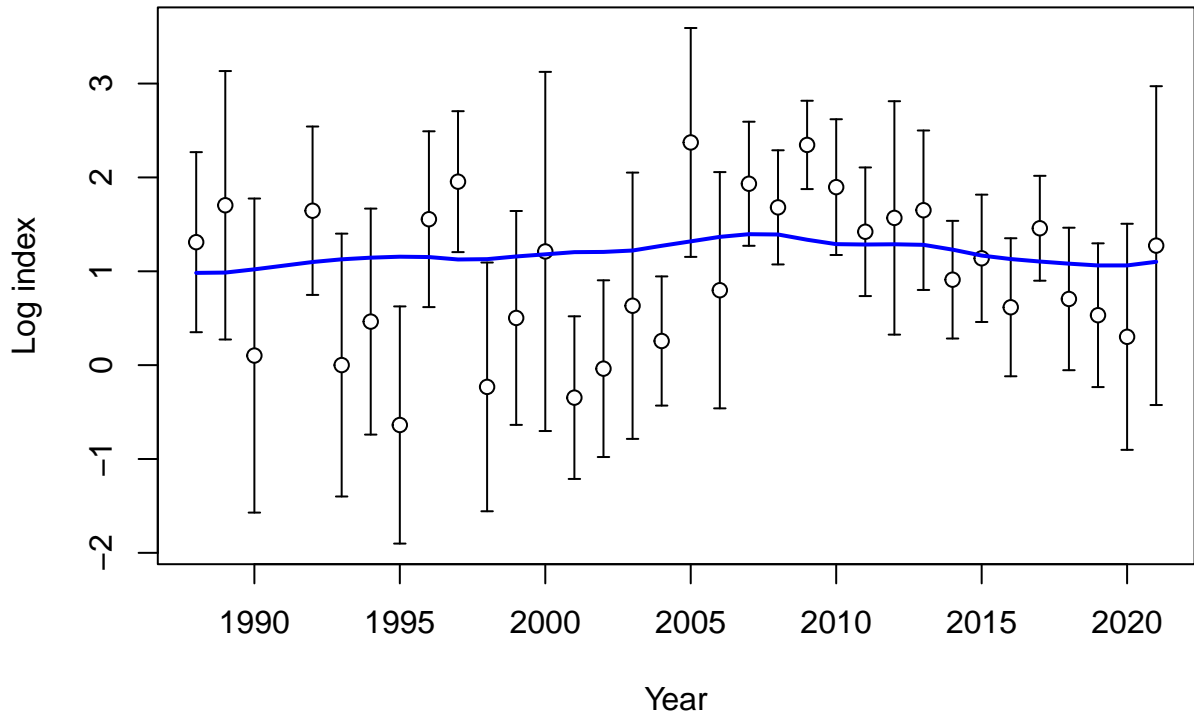


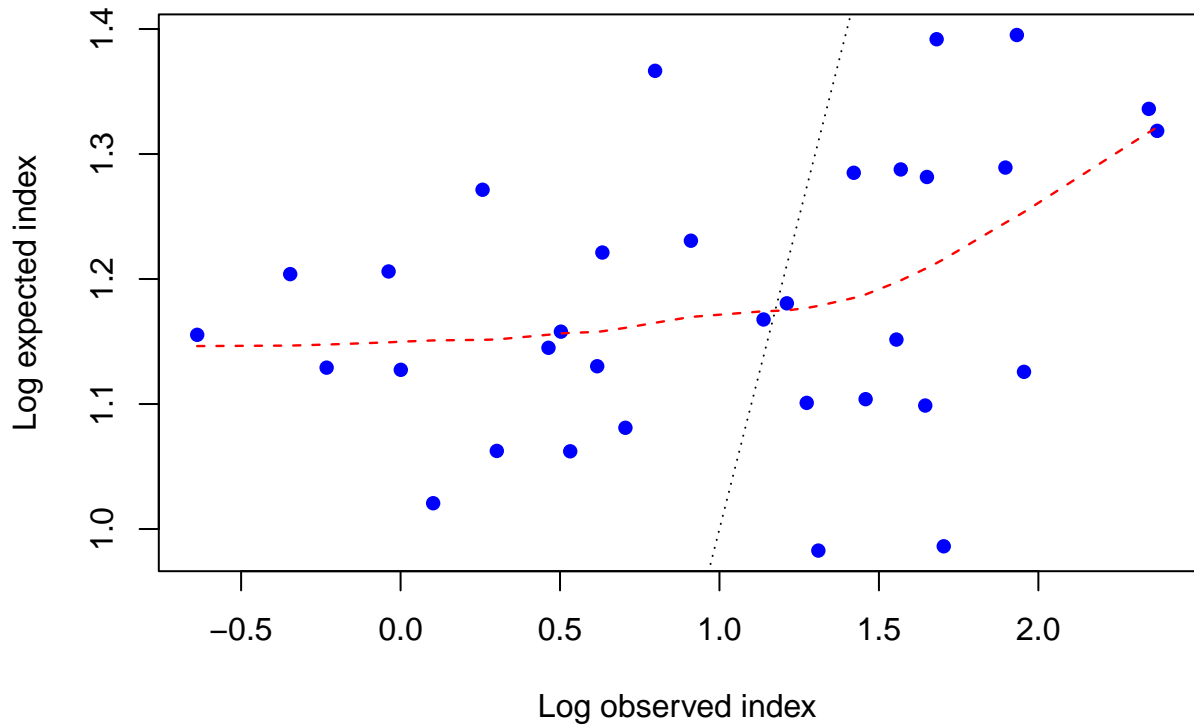
Expected index

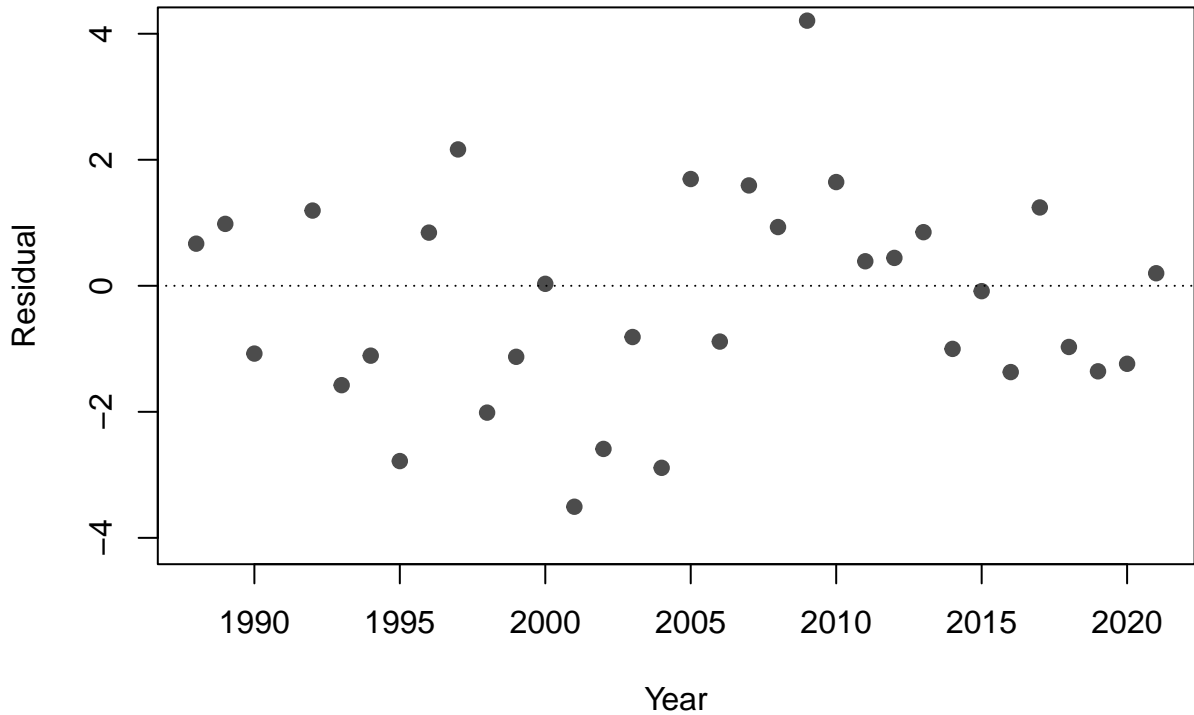


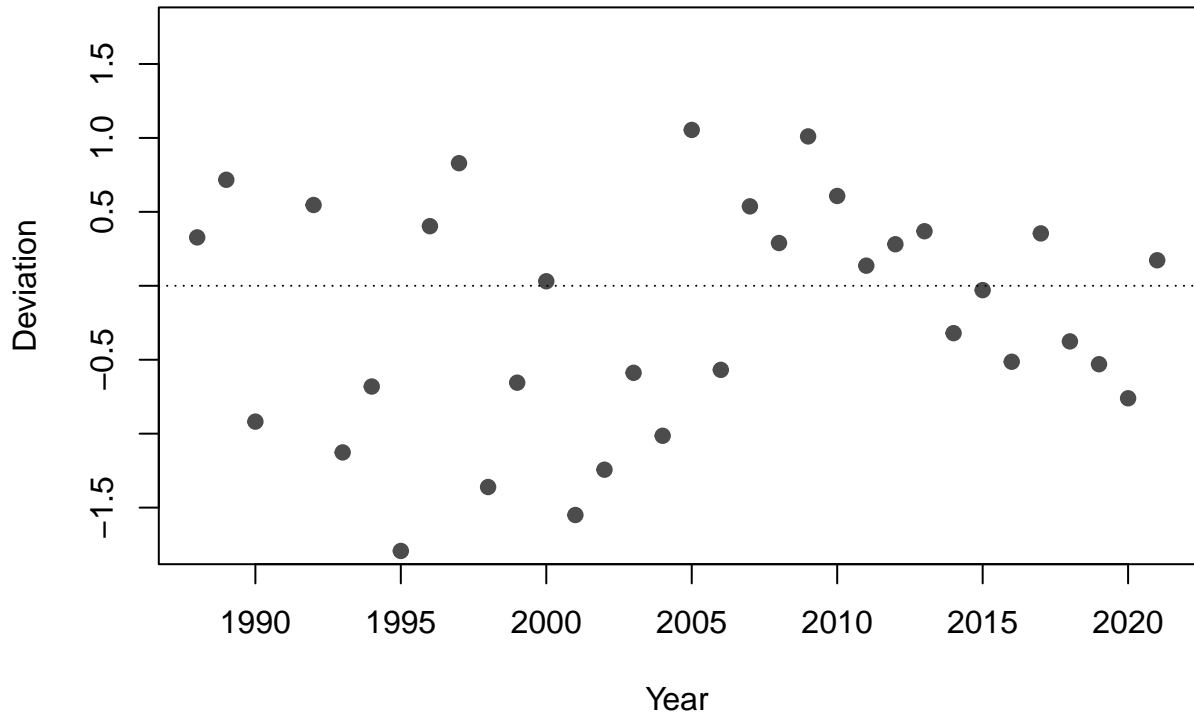


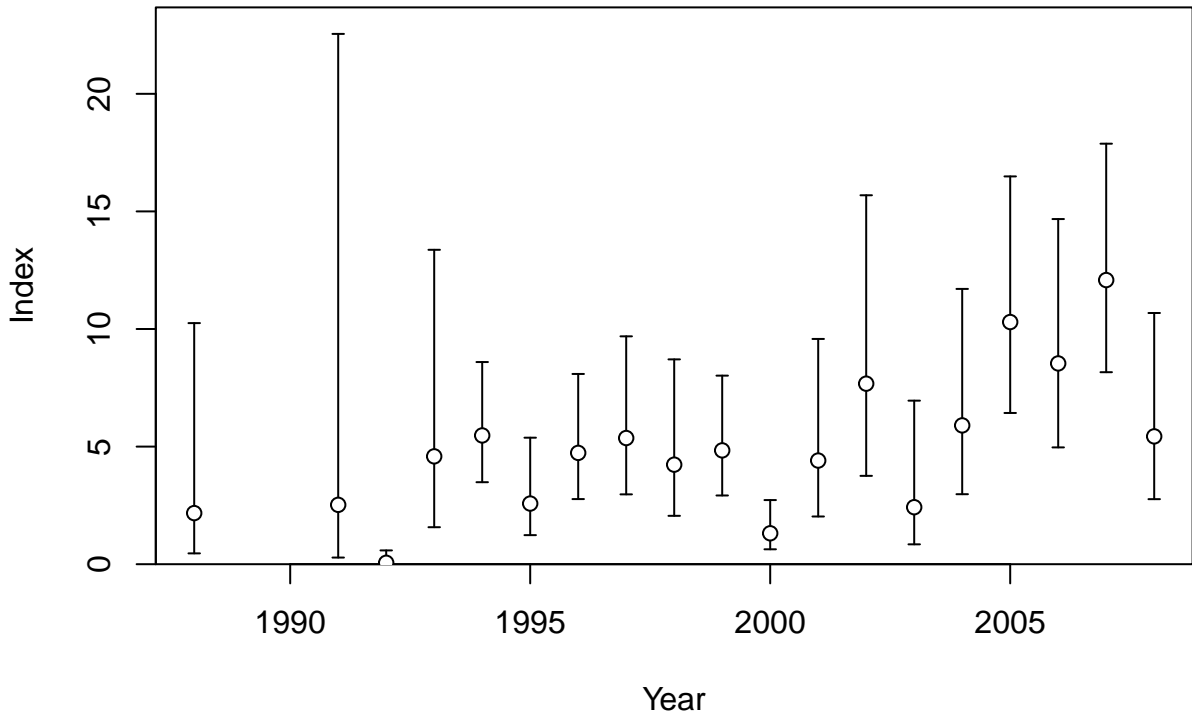


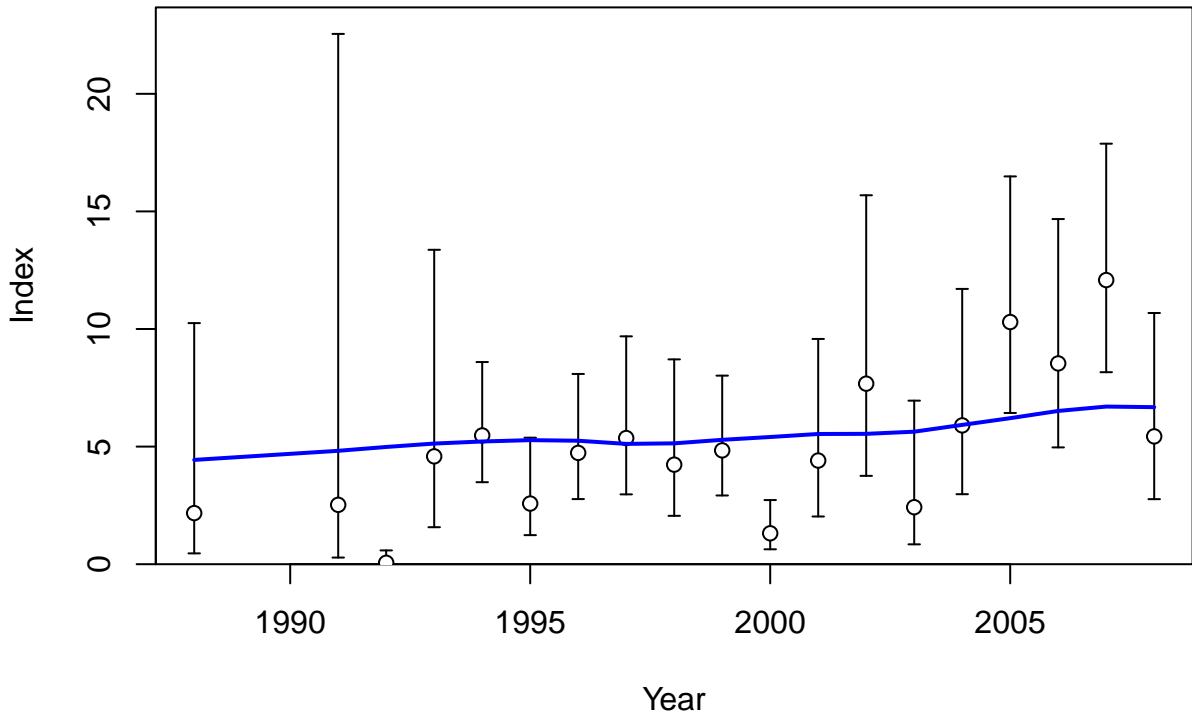


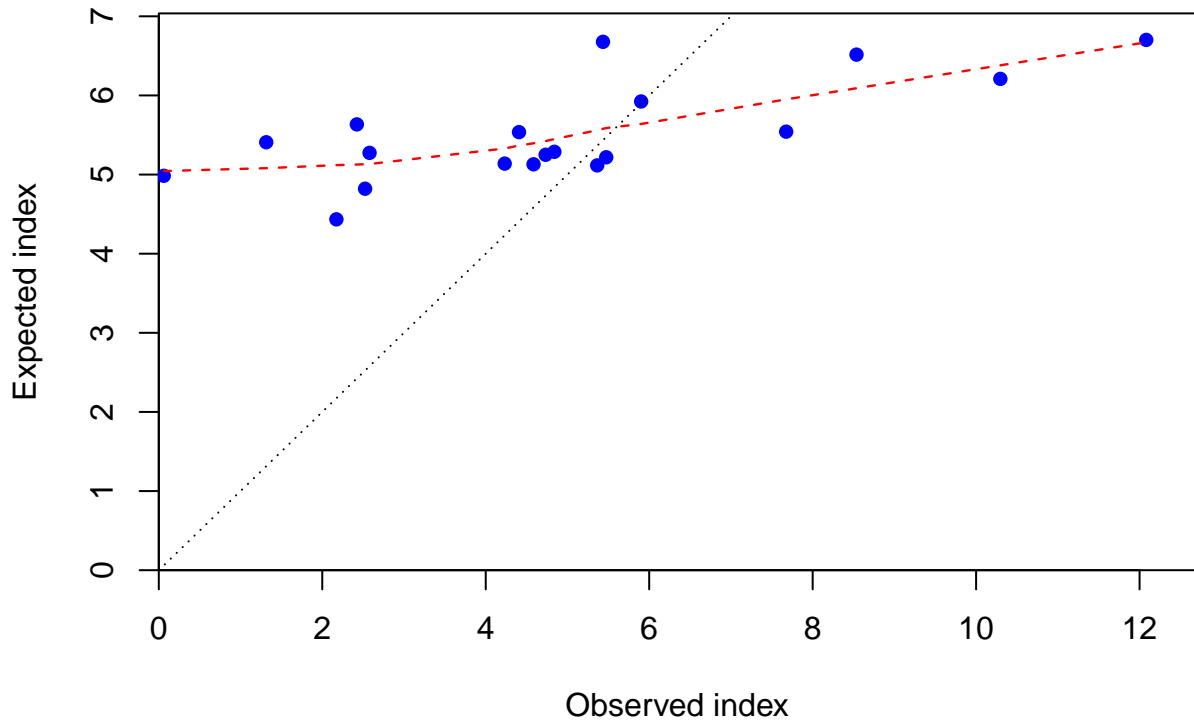


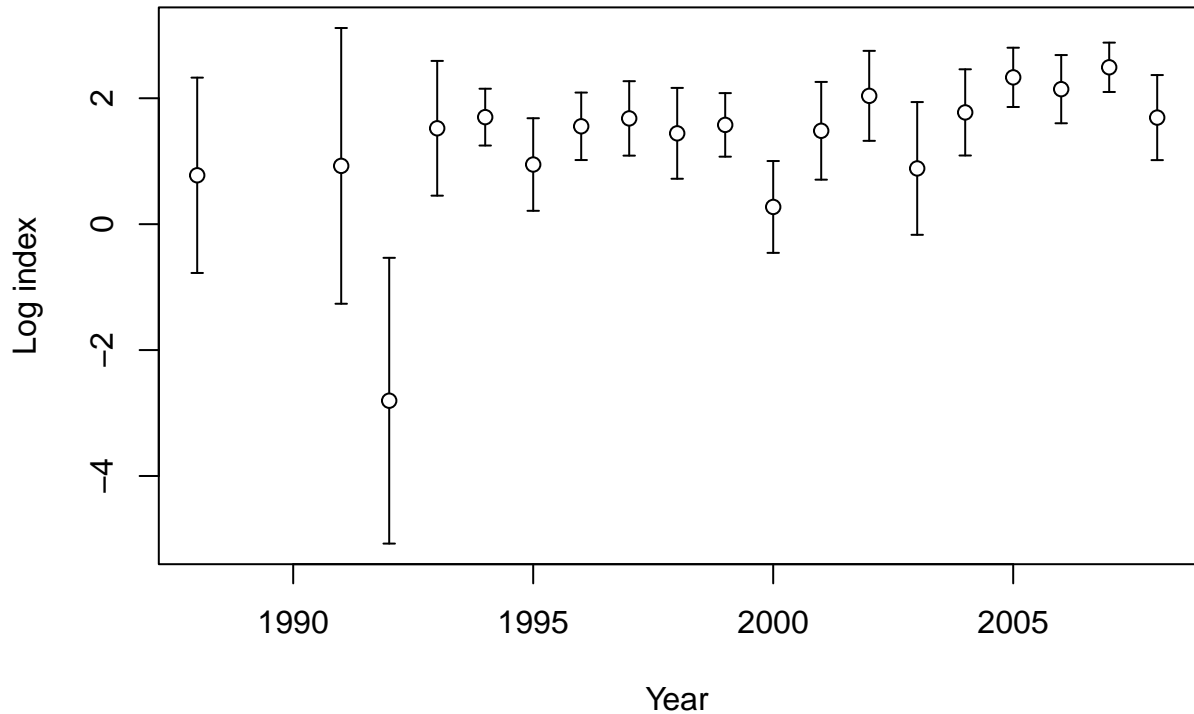




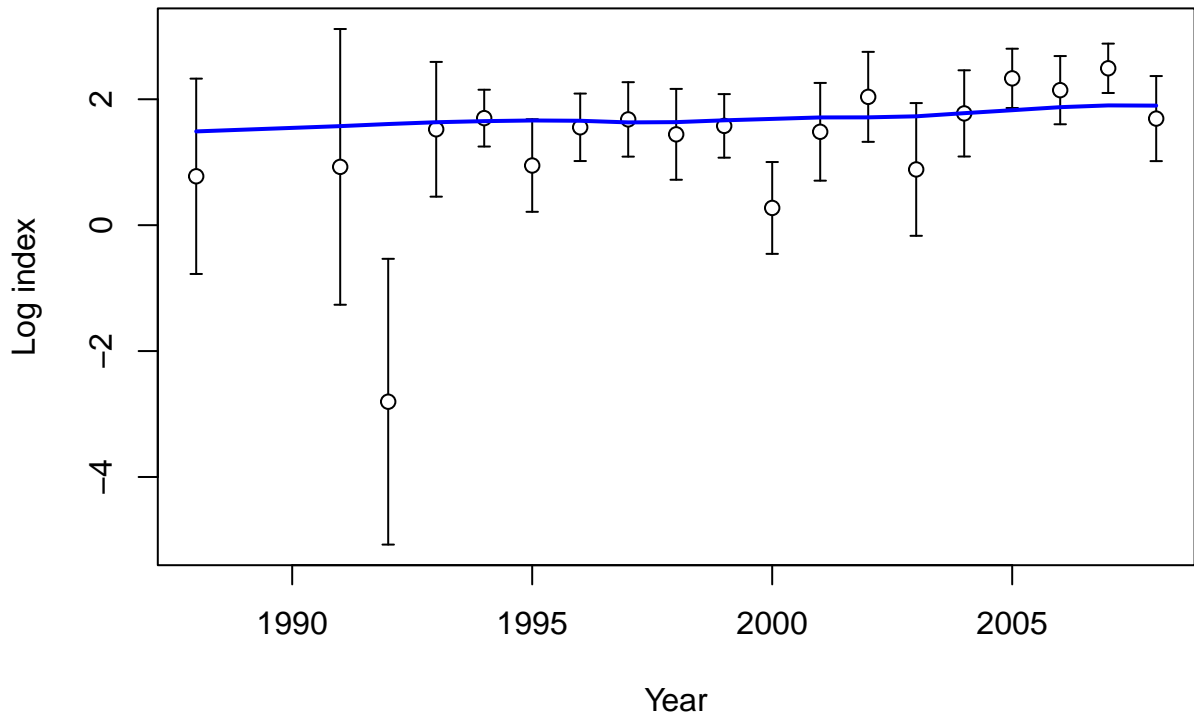


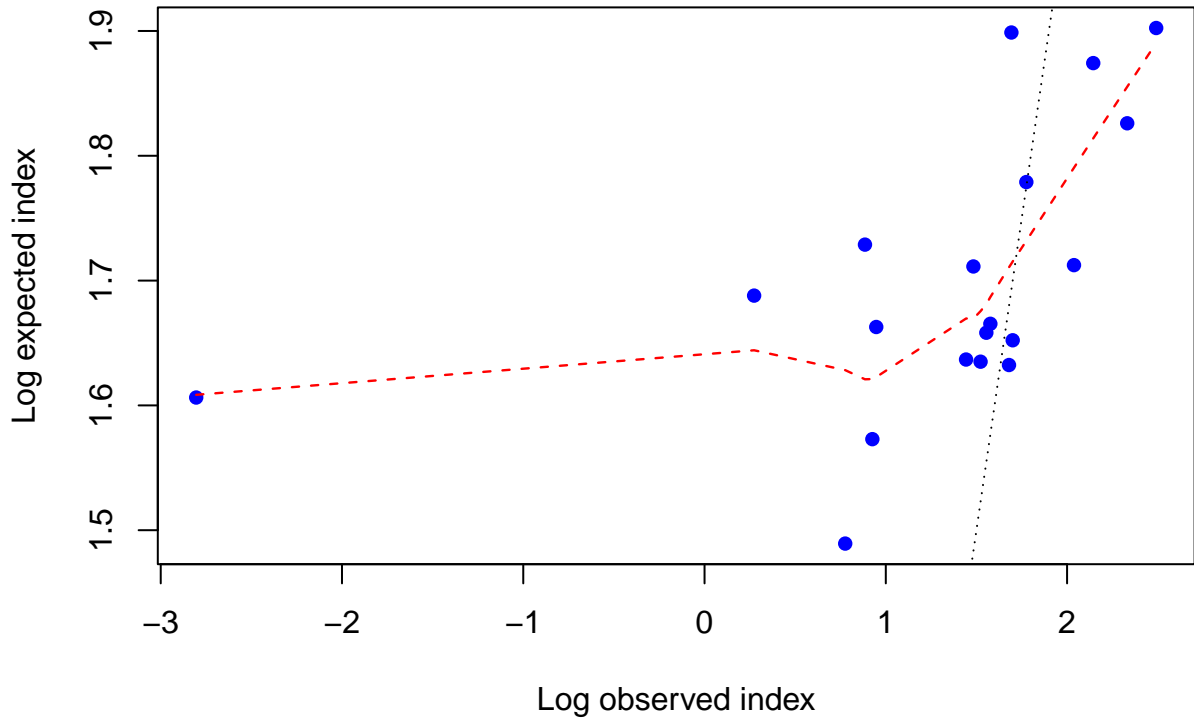


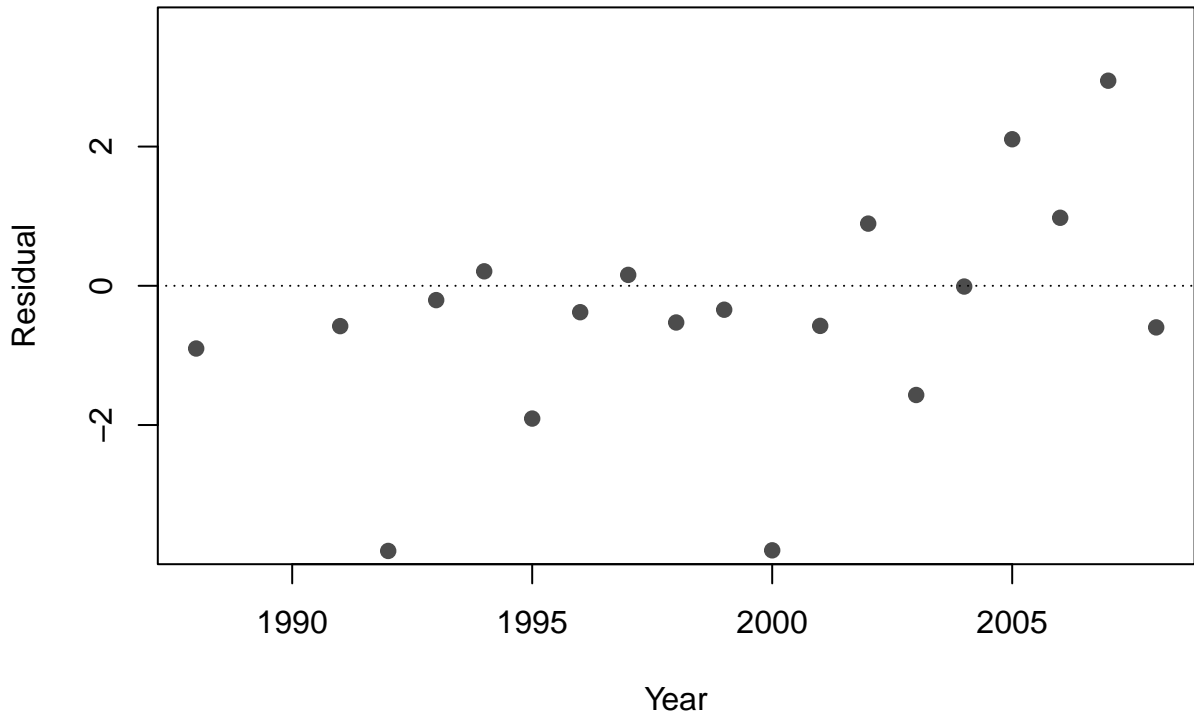


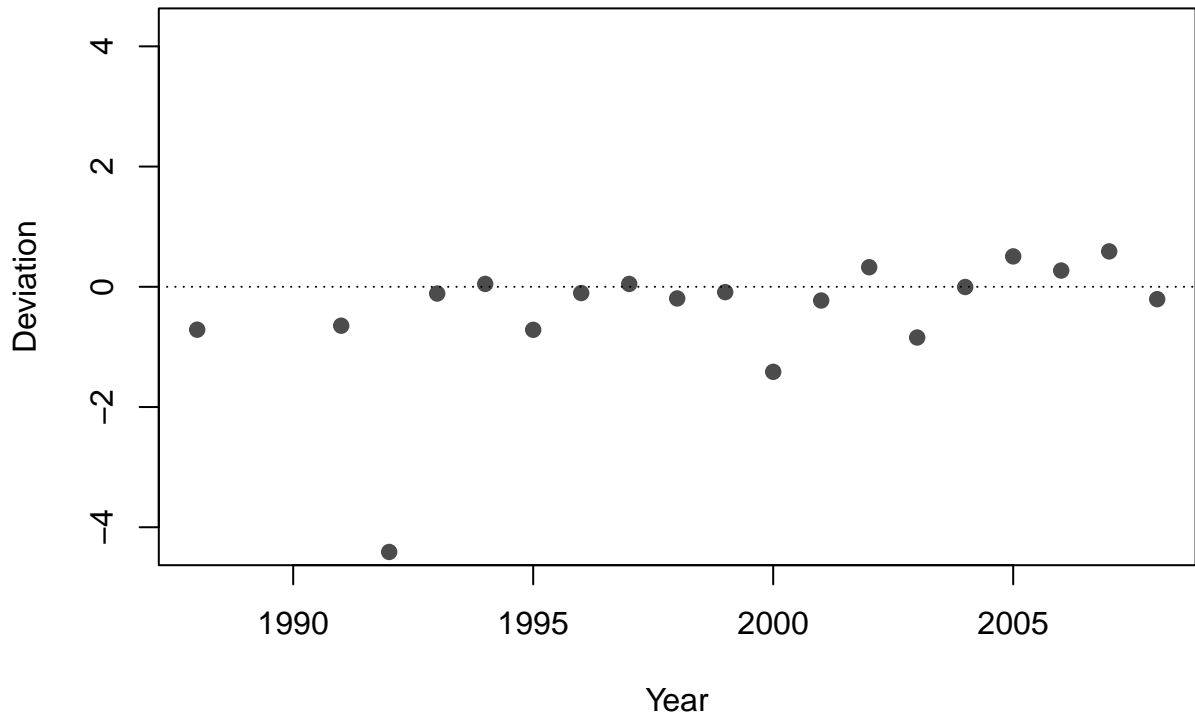




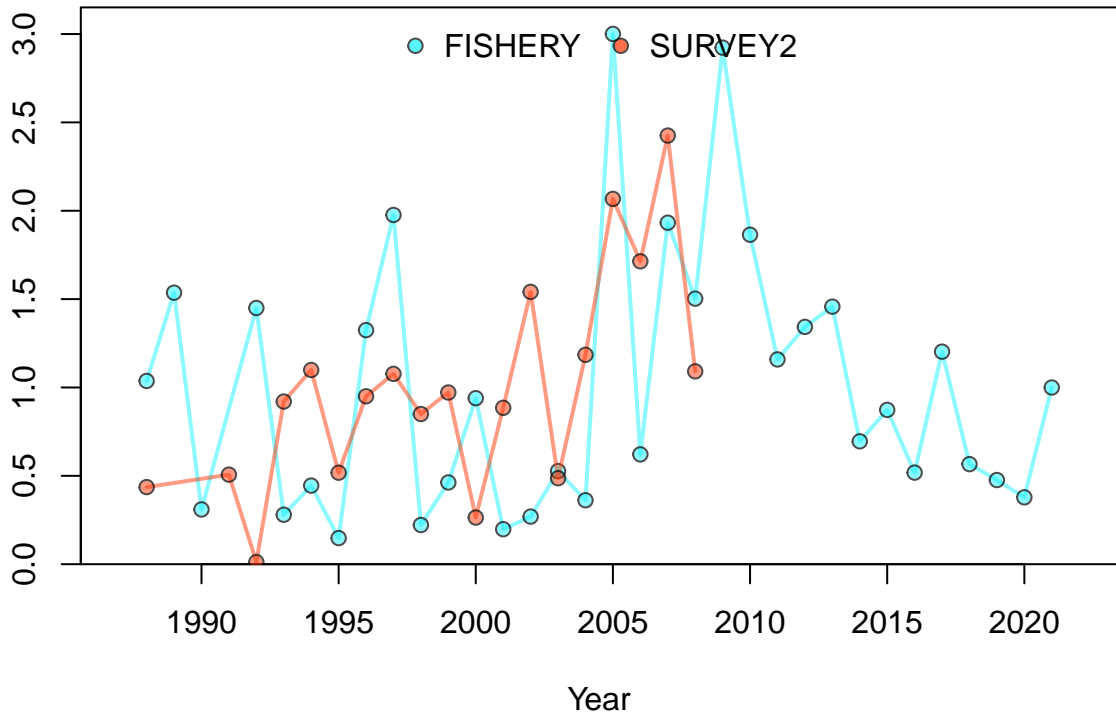


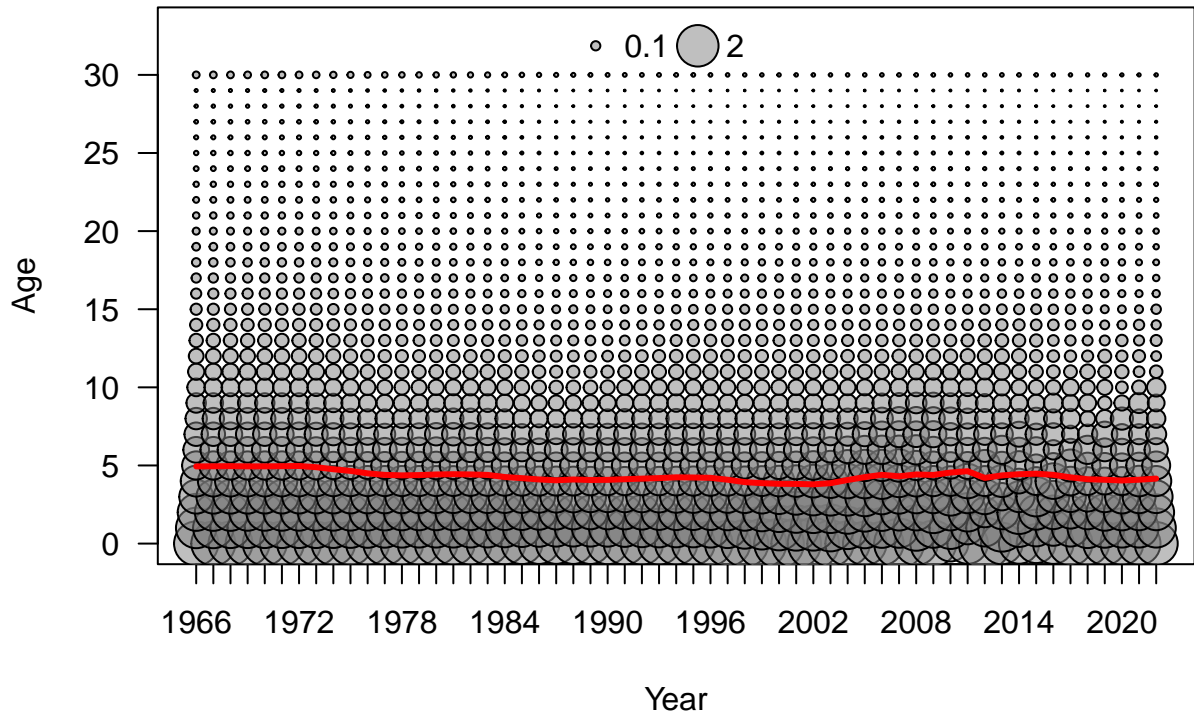


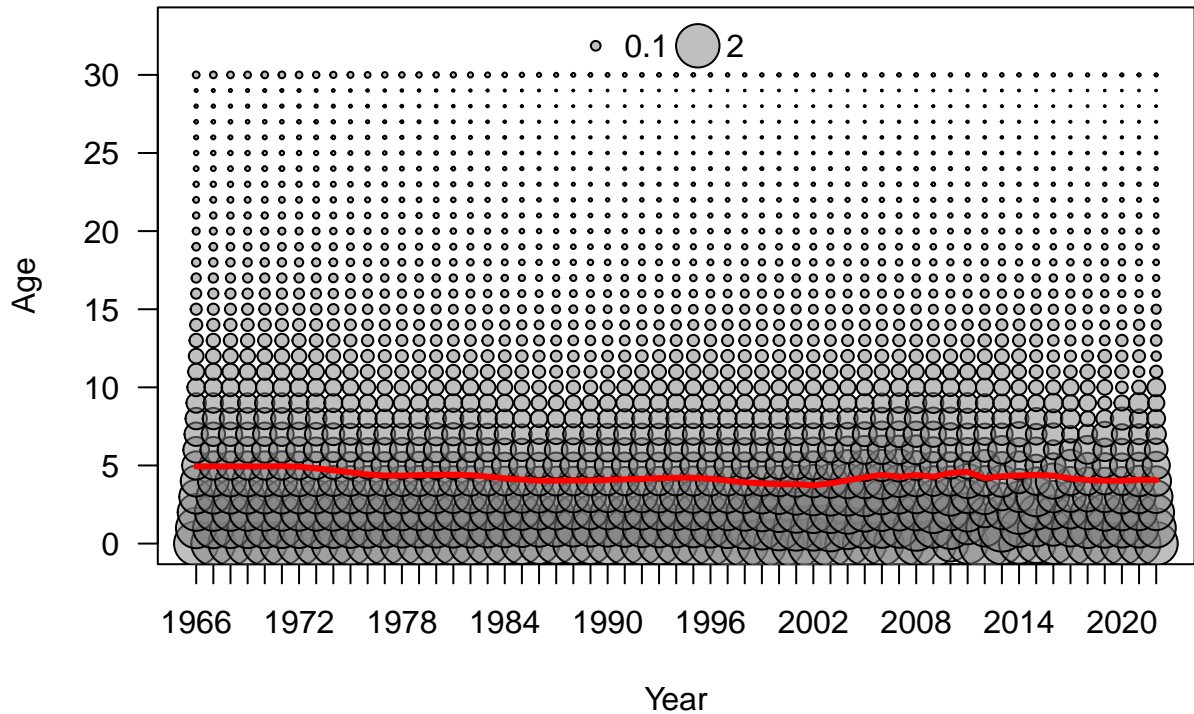


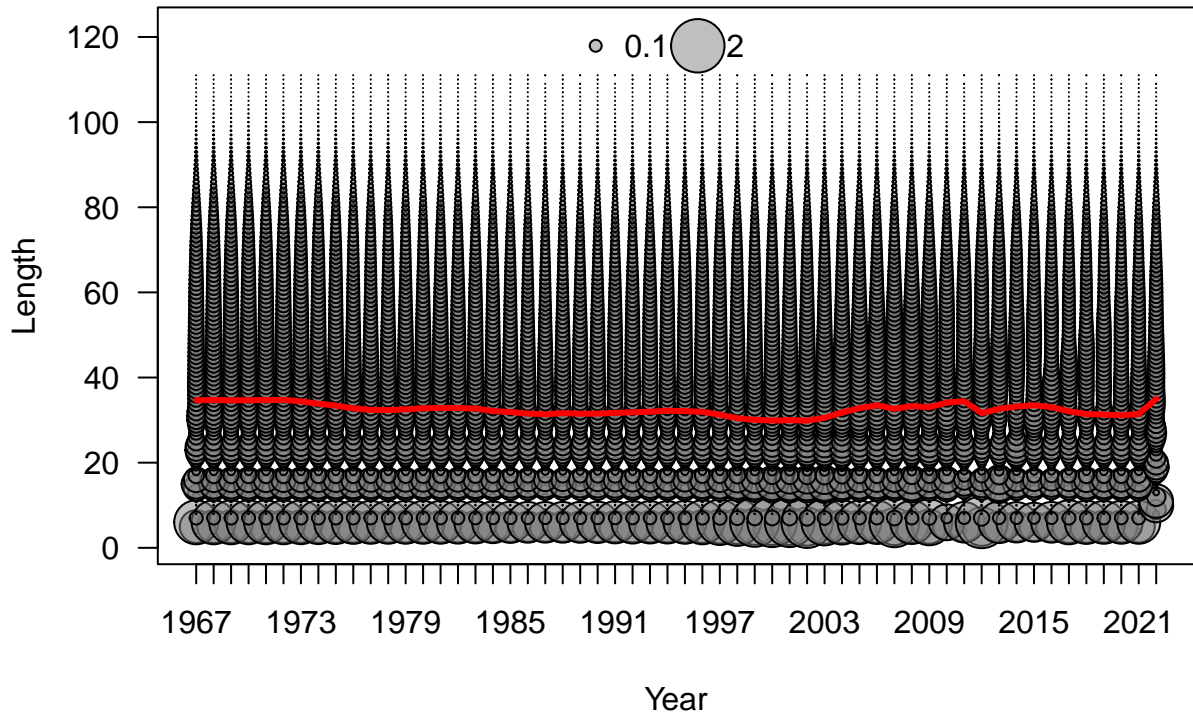


Standardized index

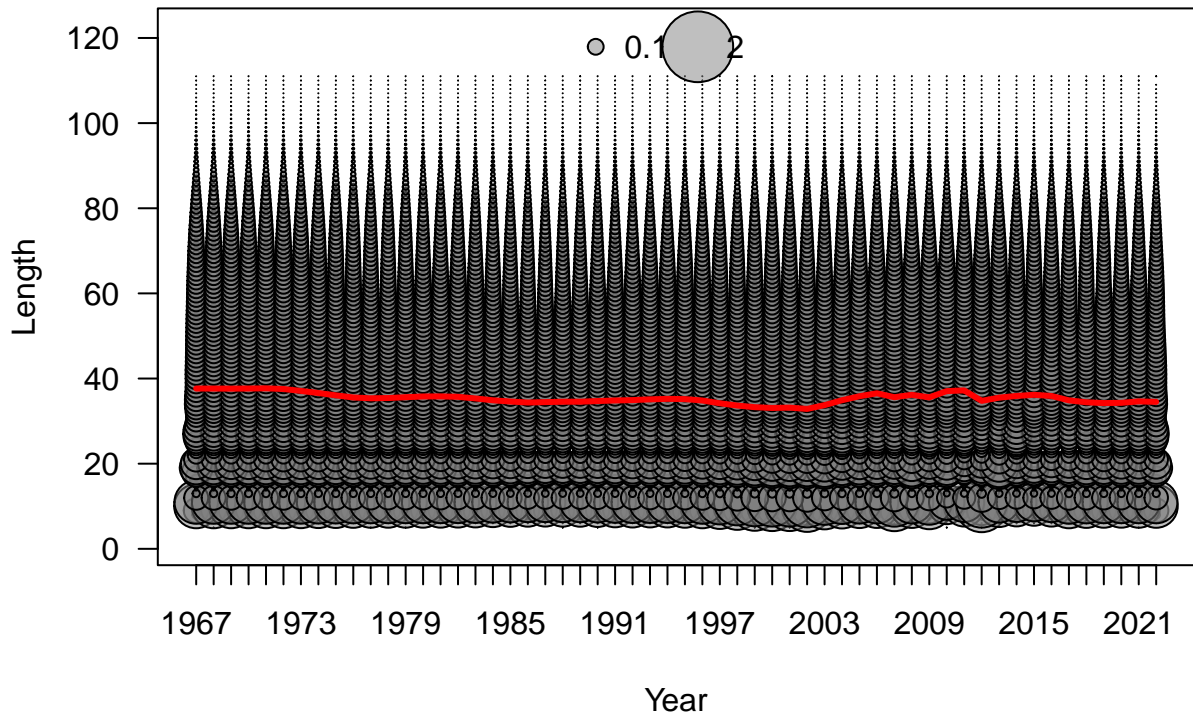


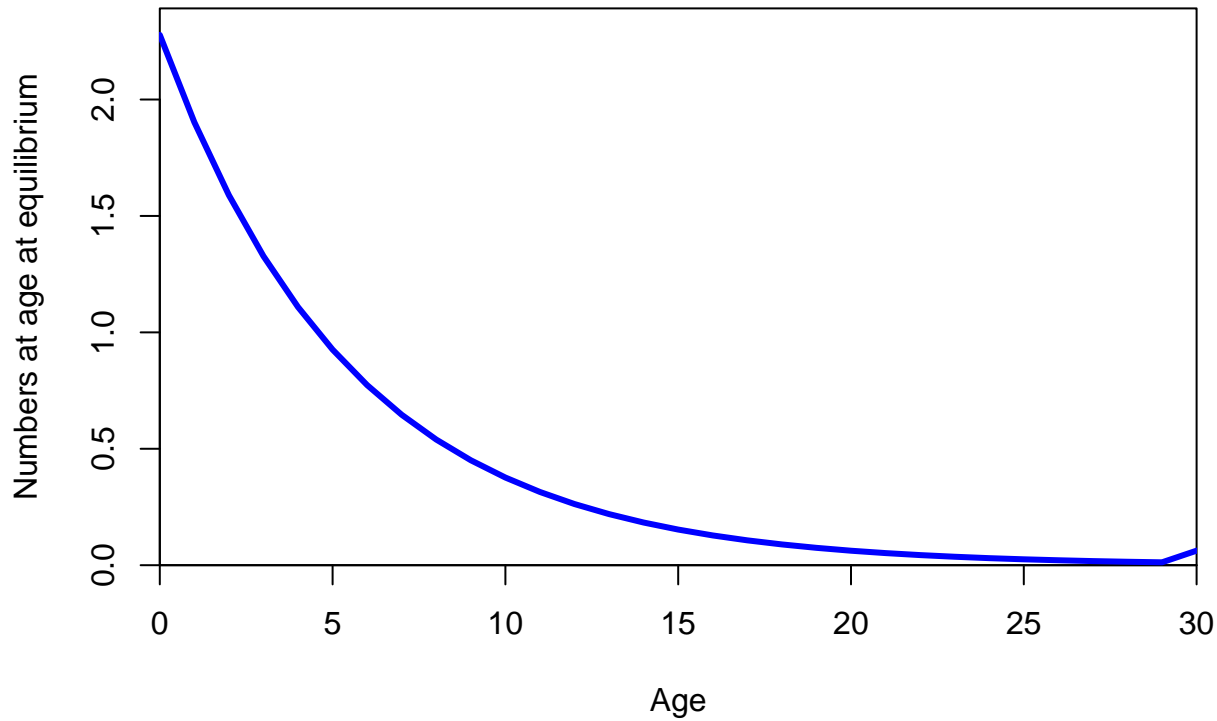






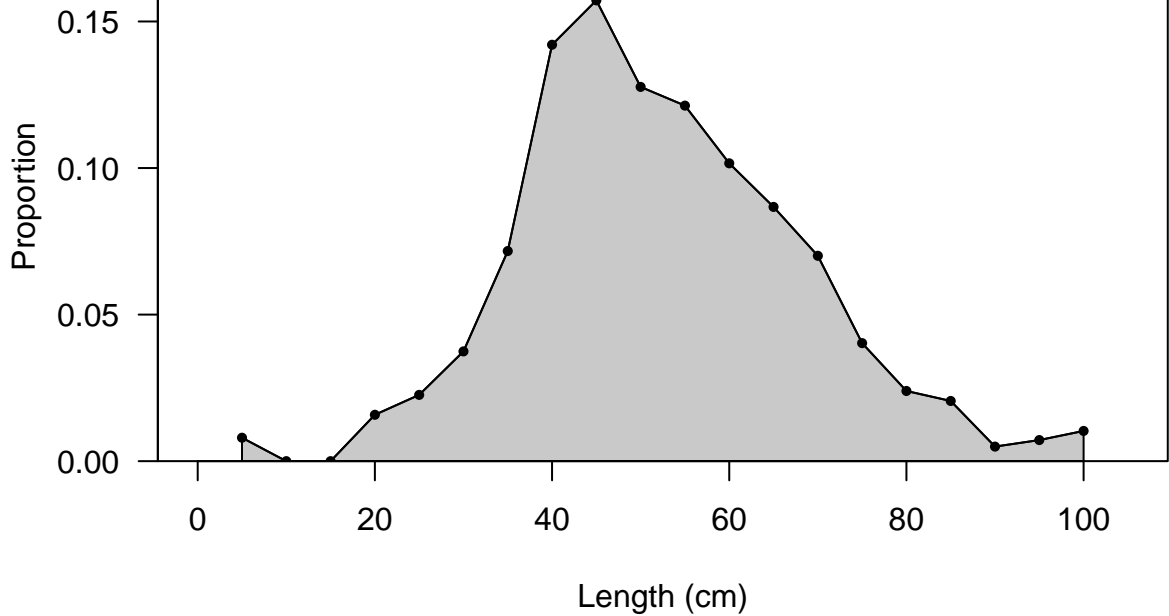


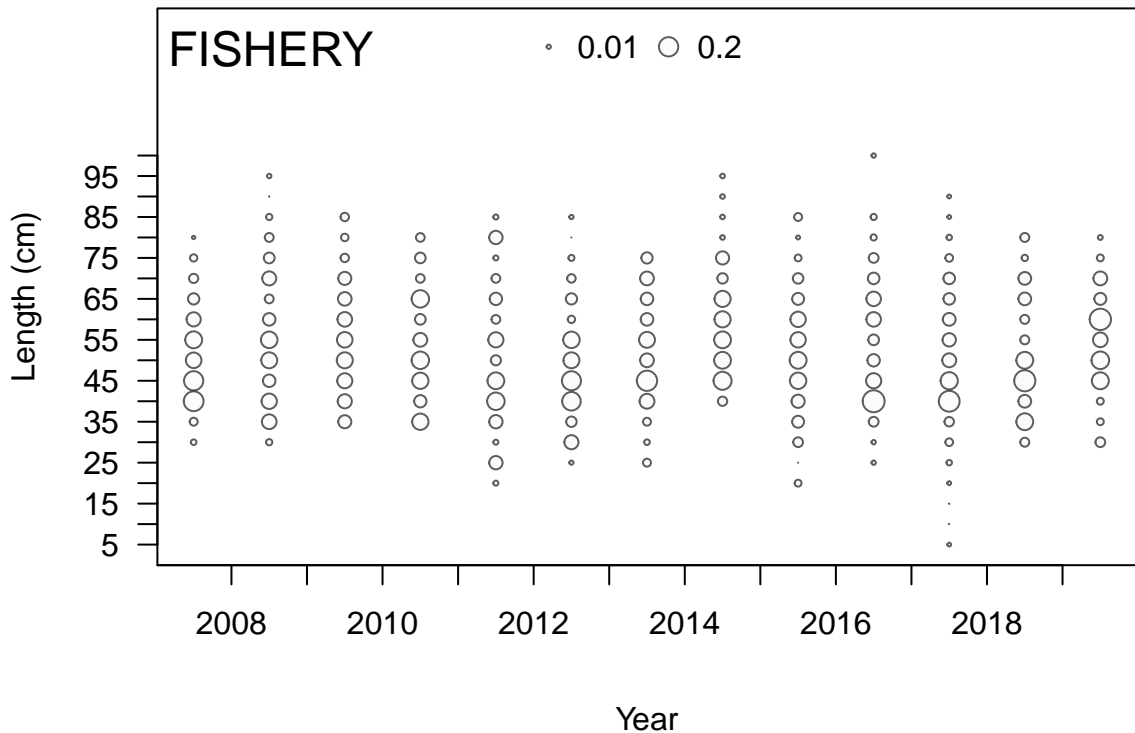


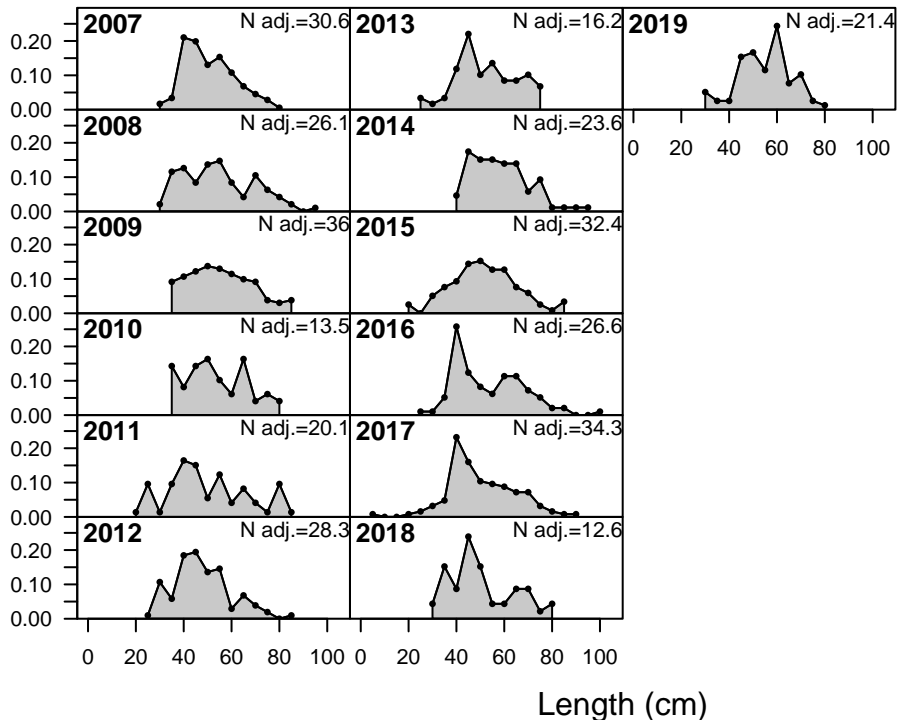


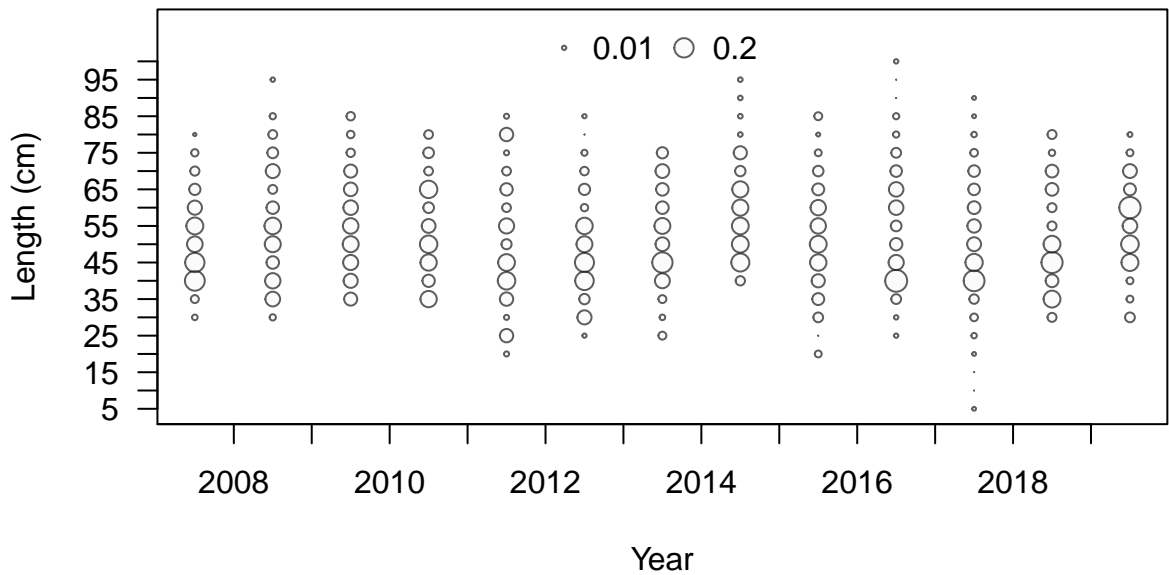
**FISHERY**

Sum of N adj.=321.7

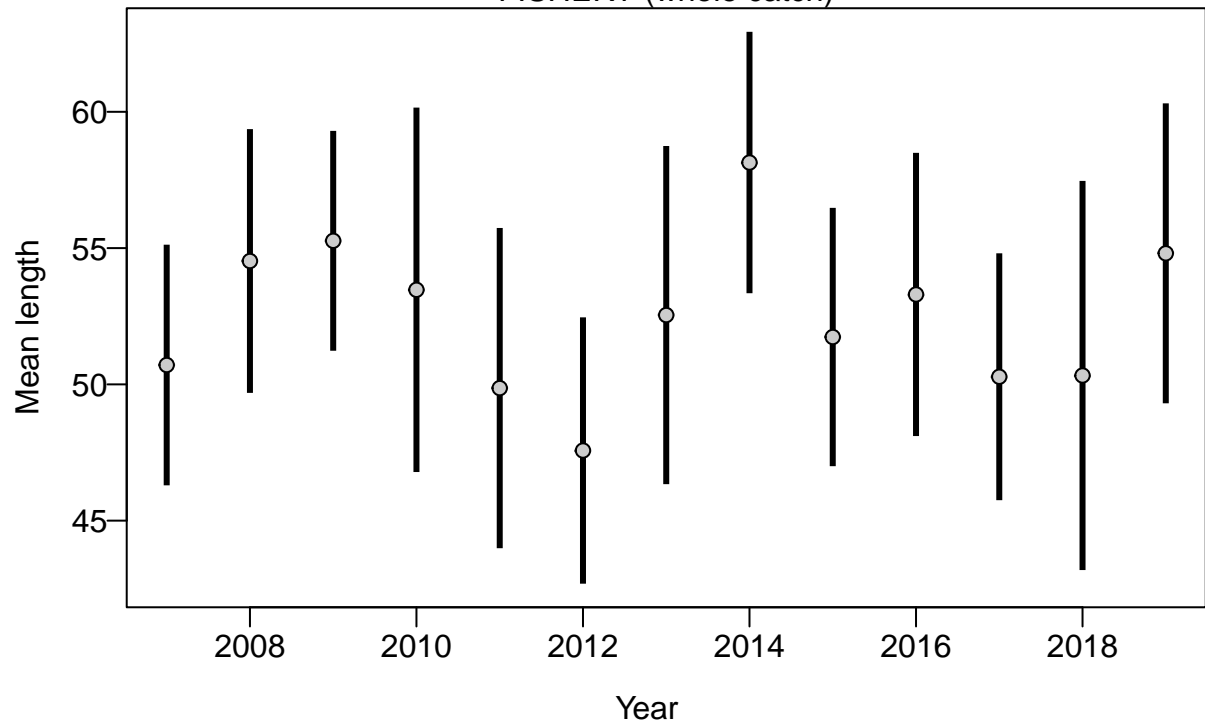






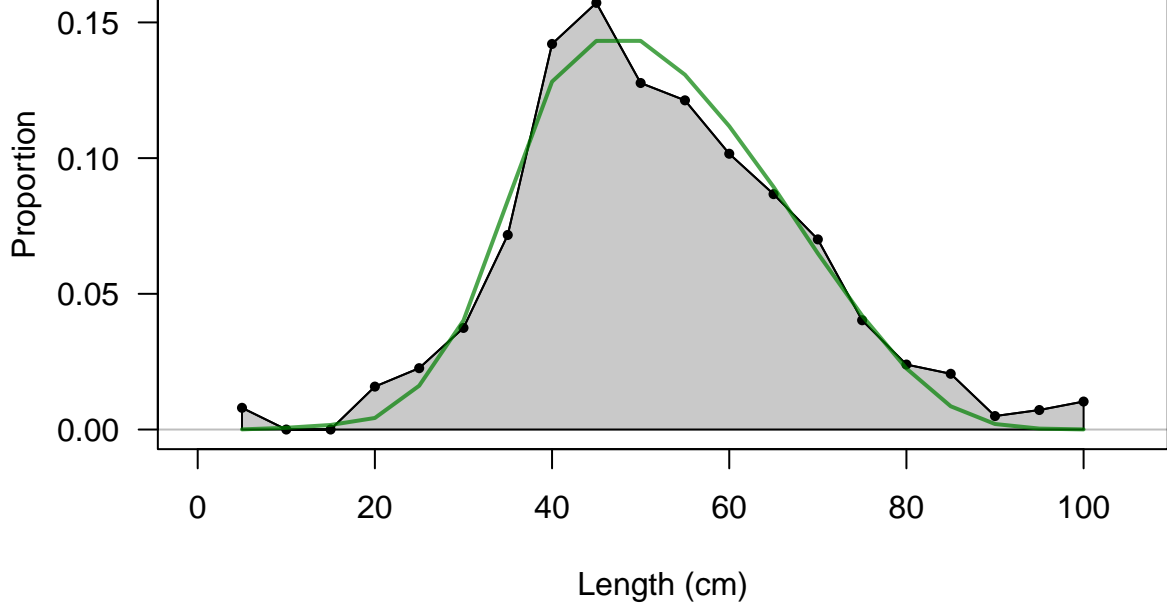


FISHERY (whole catch)

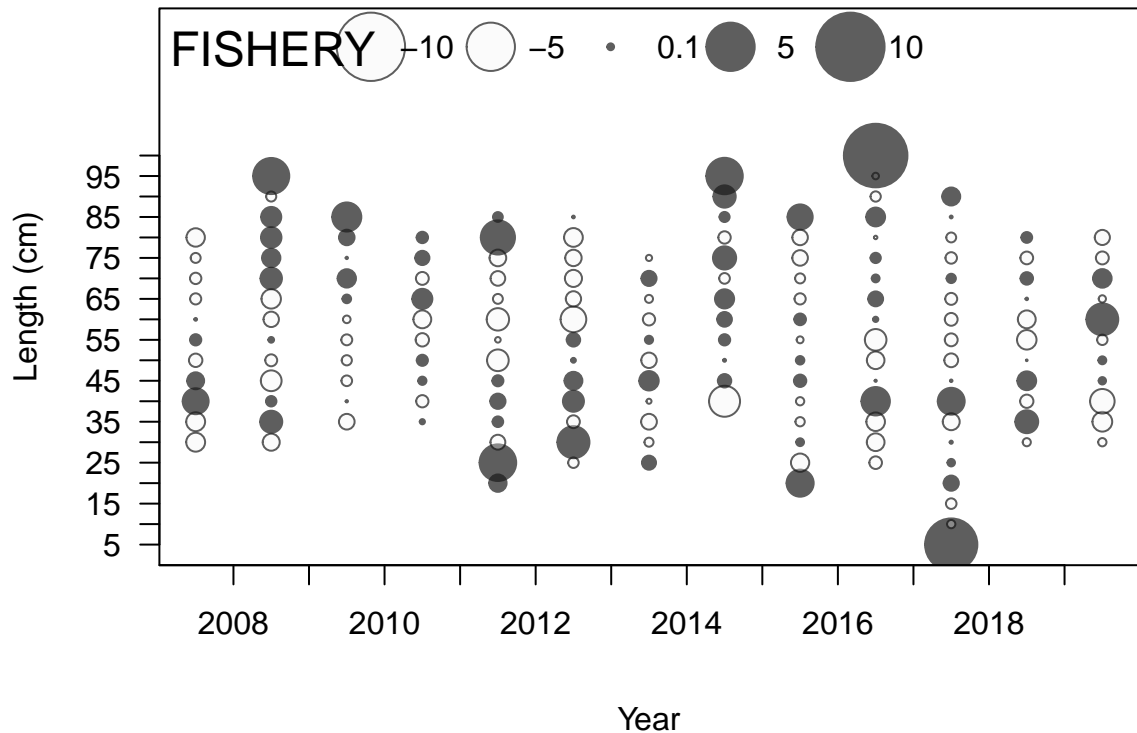


# FISHERY

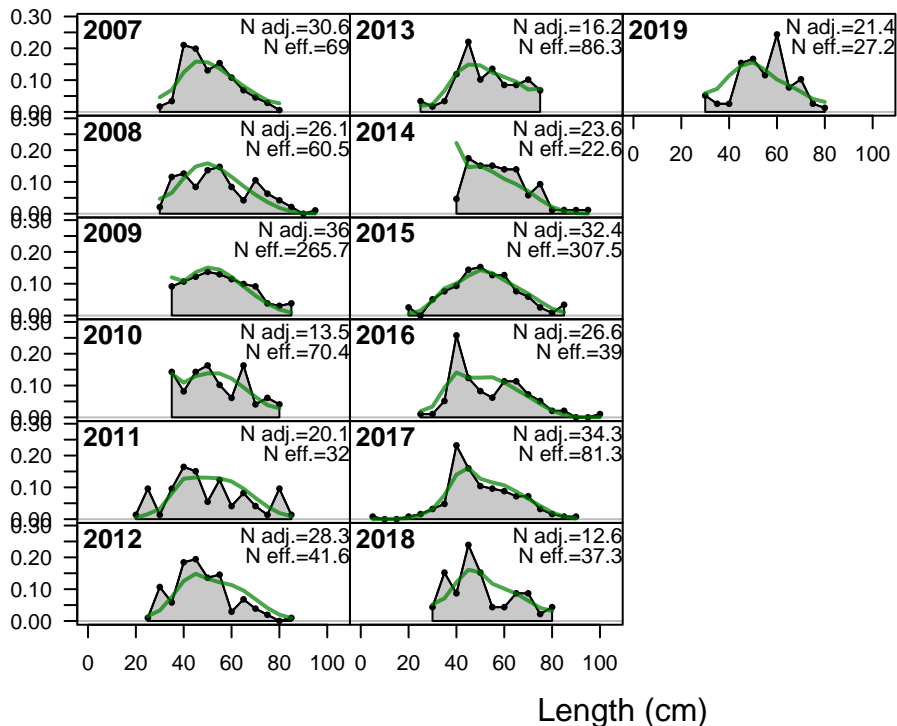
Sum of N adj.=321.7  
Sum of N eff.=1140.3



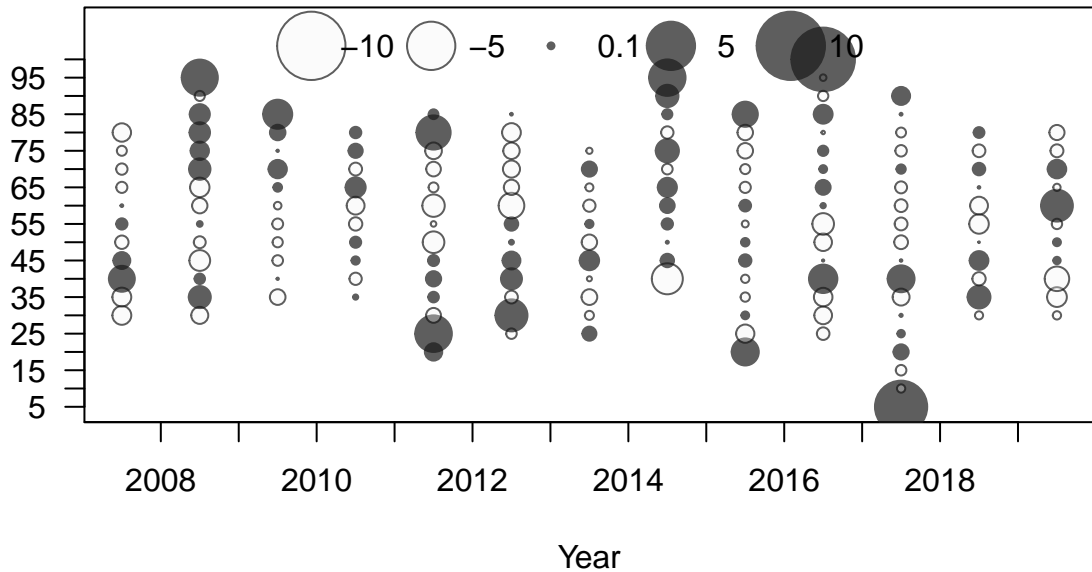


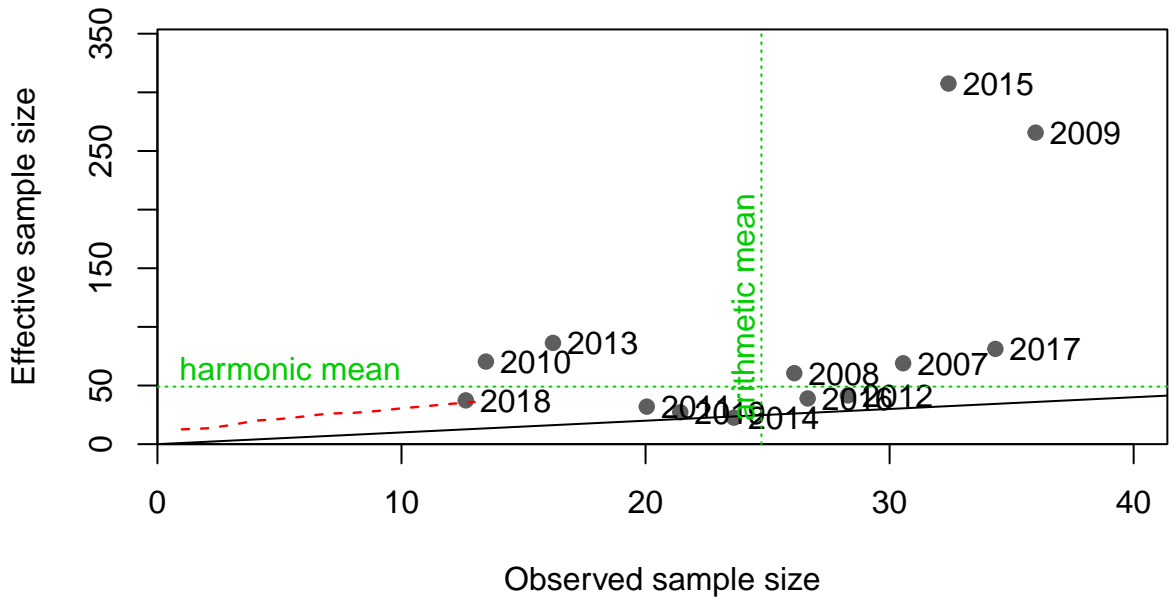


Proportion

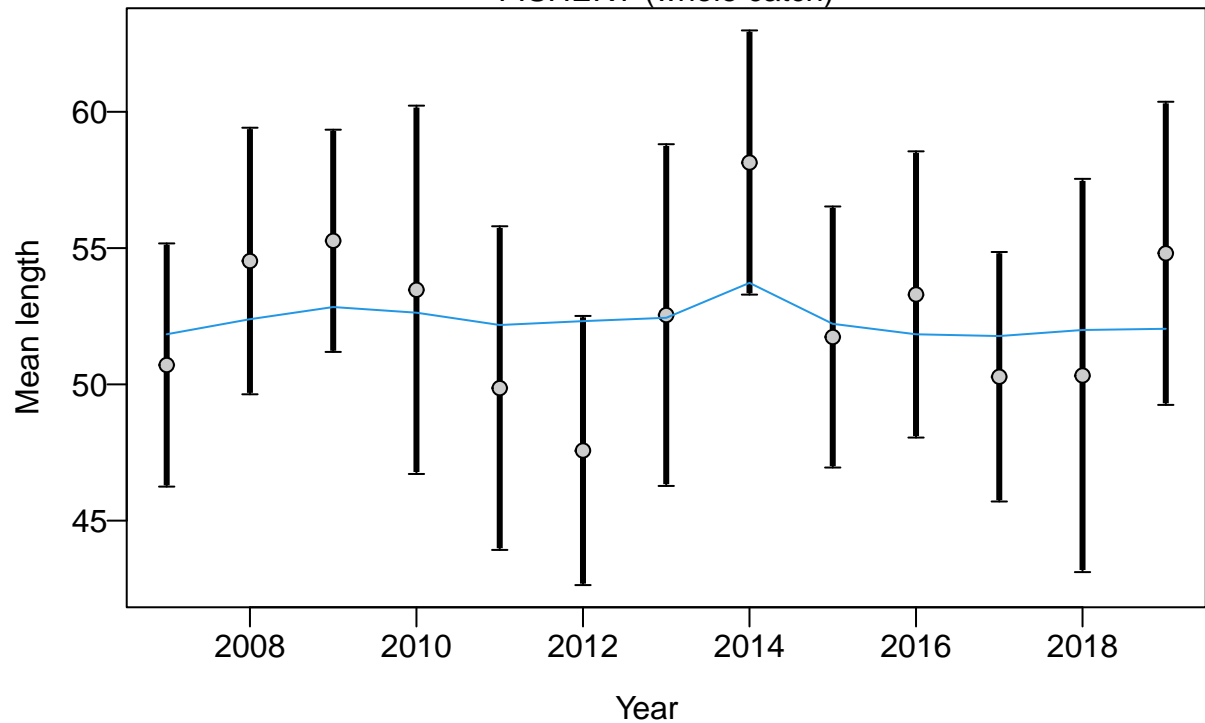


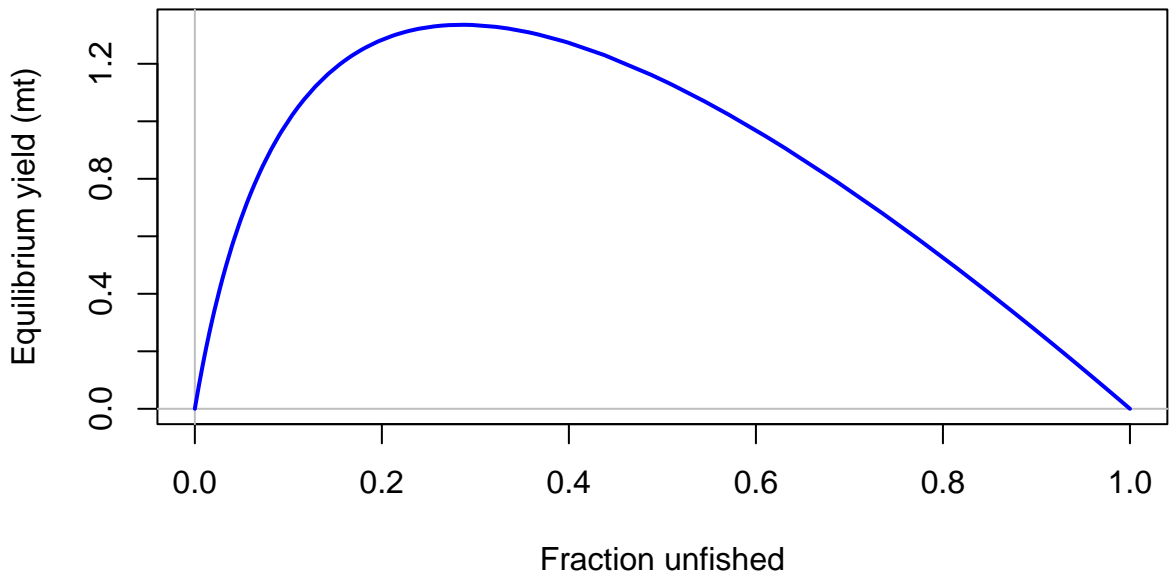
Length (cm)

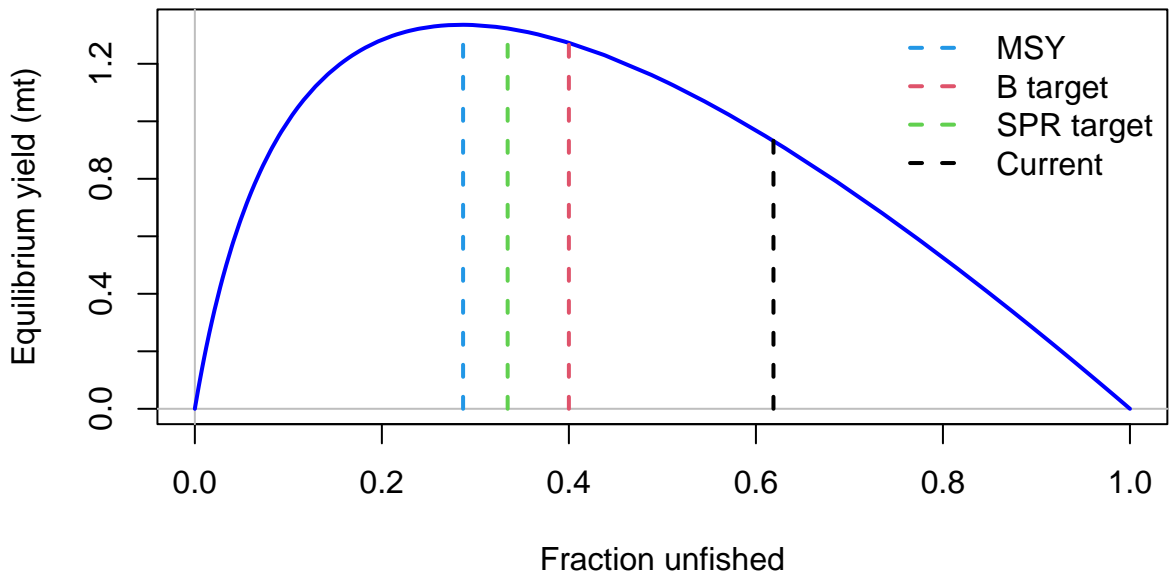


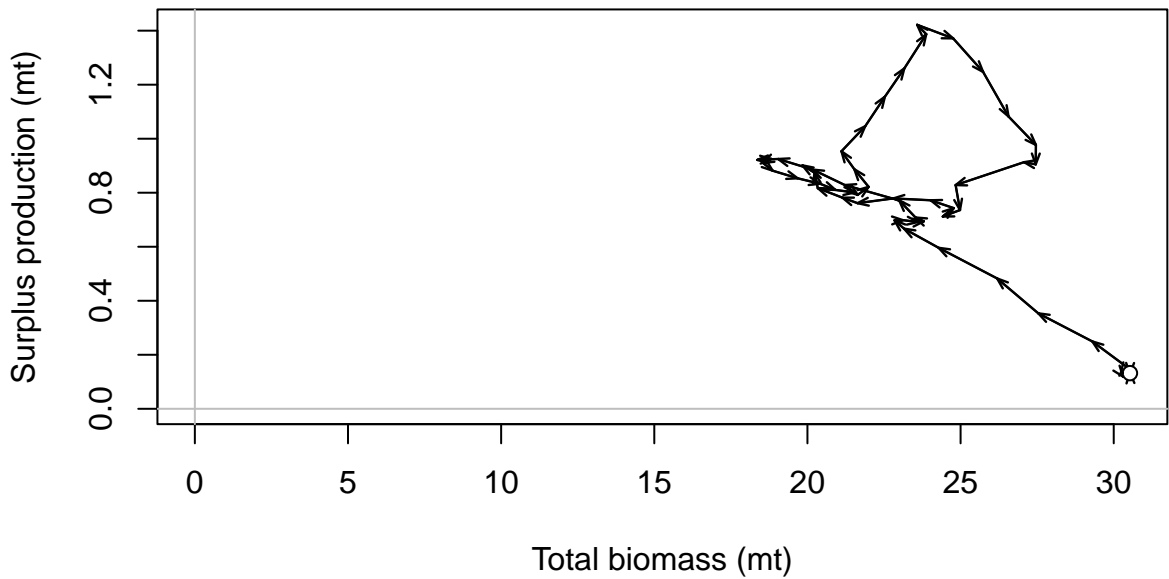


FISHERY (whole catch)

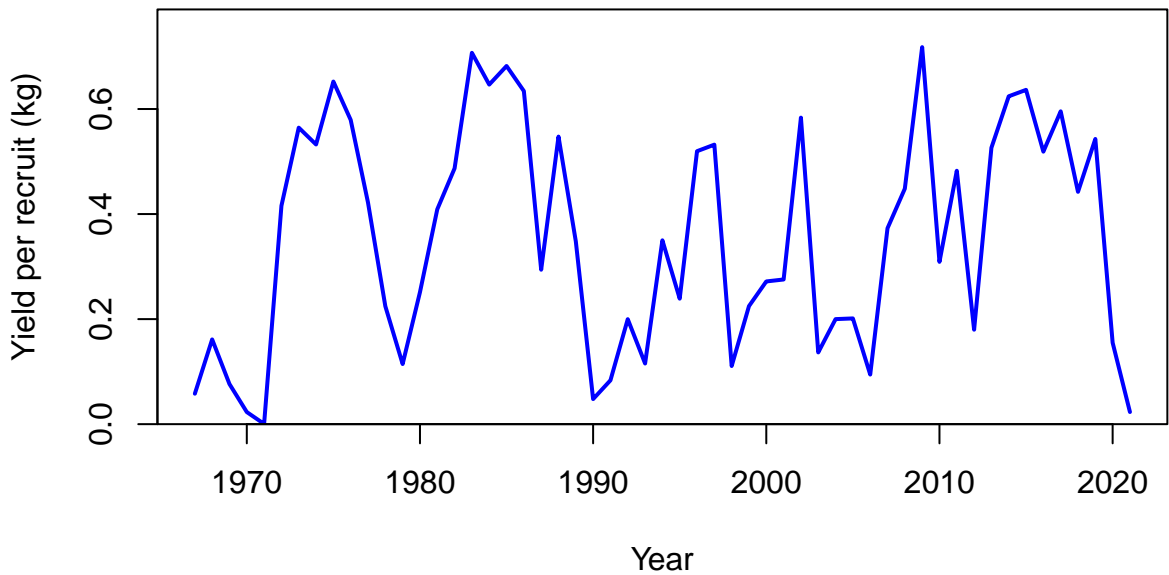


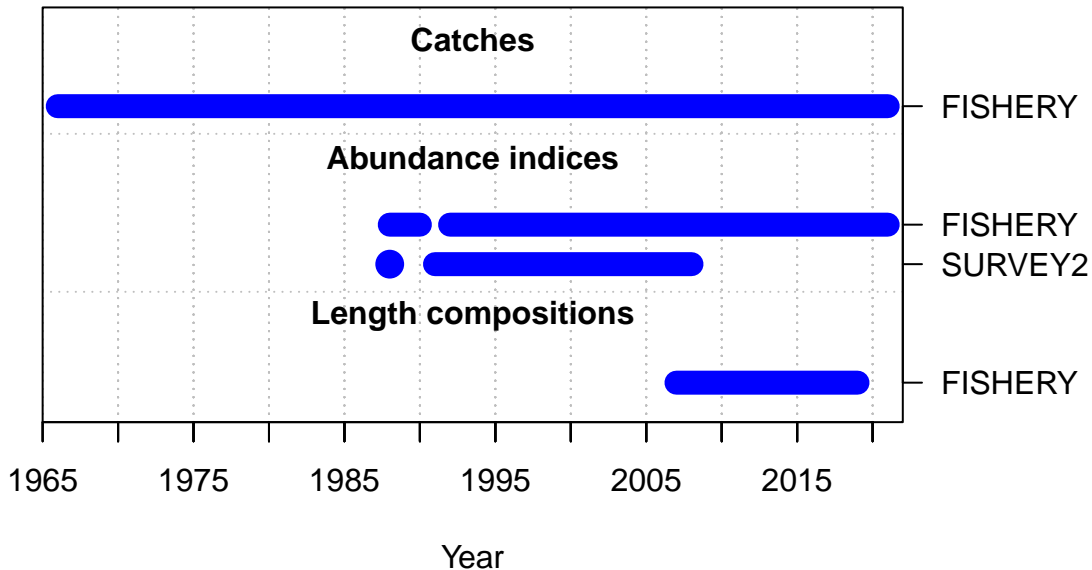


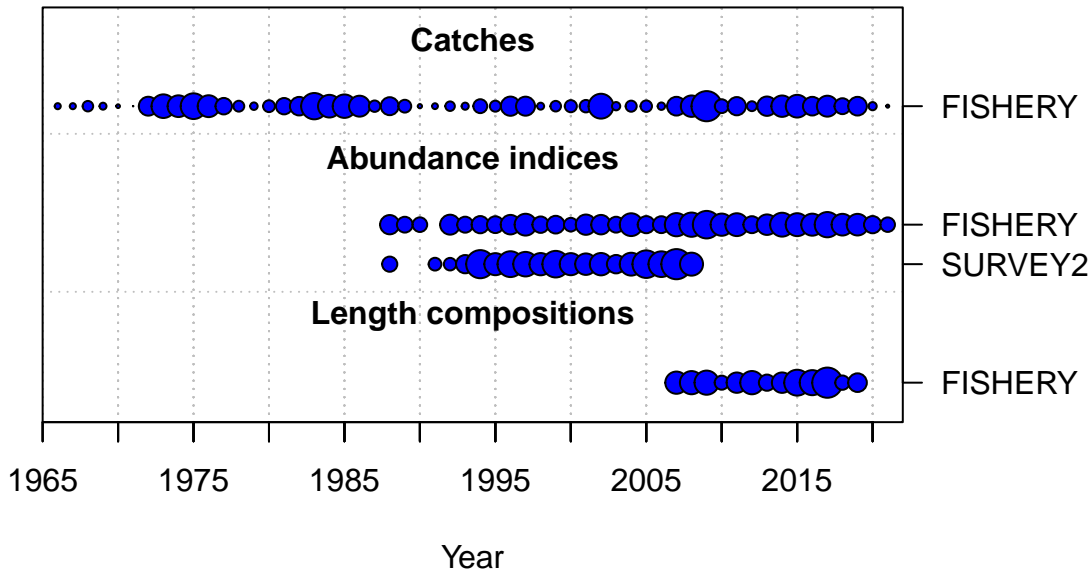




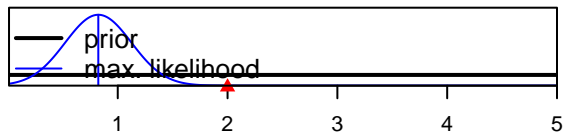




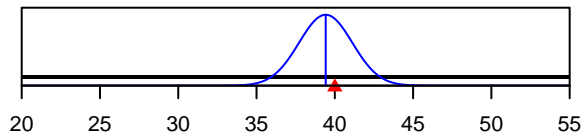




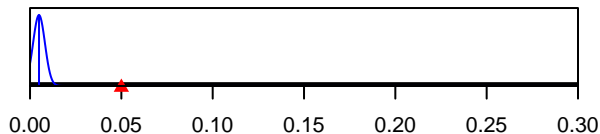
SR\_LN(R0)



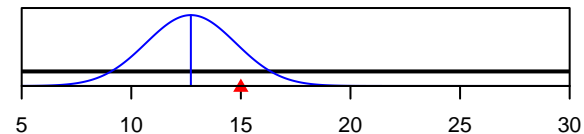
Size\_inflection\_FISHERY(1)



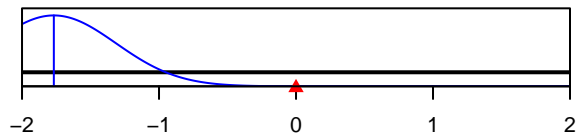
InitF\_seas\_1\_flt\_1FISHERY



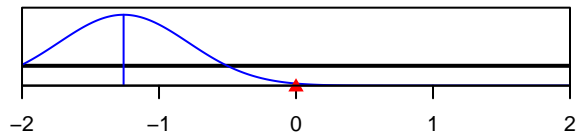
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value