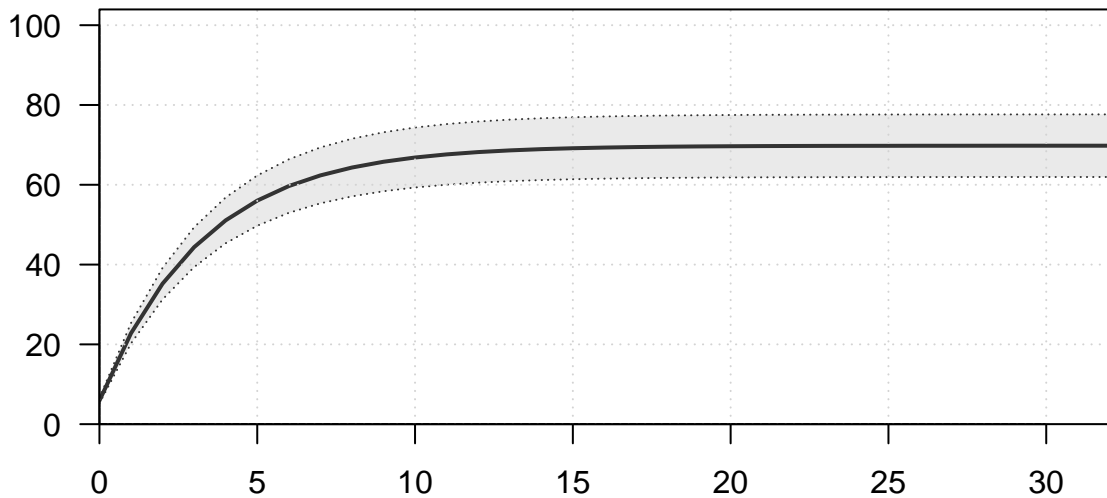
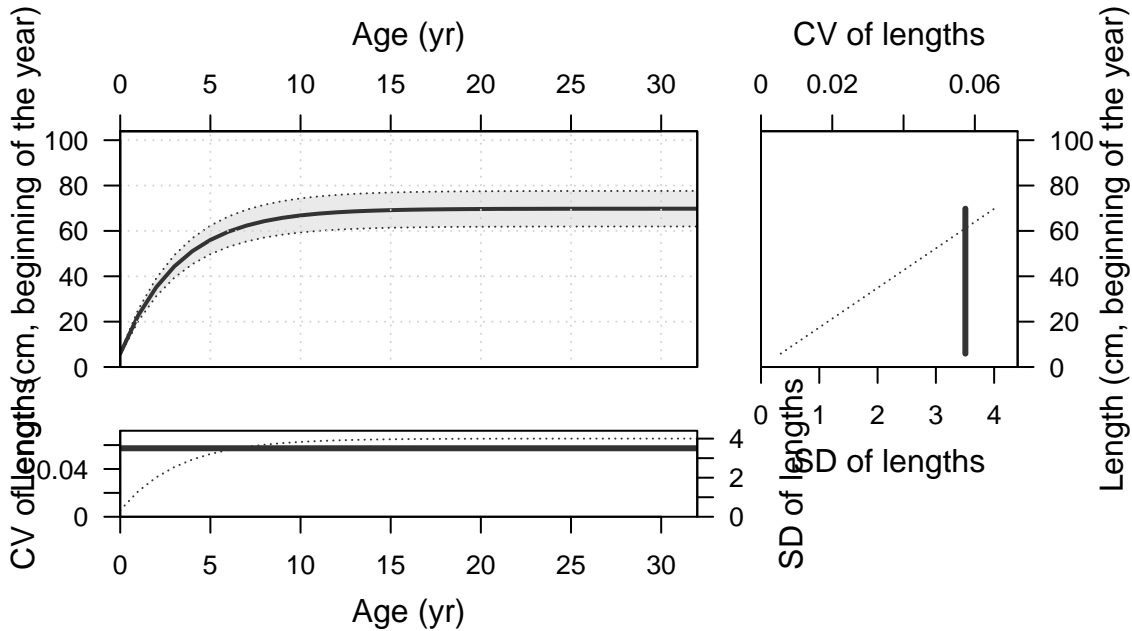


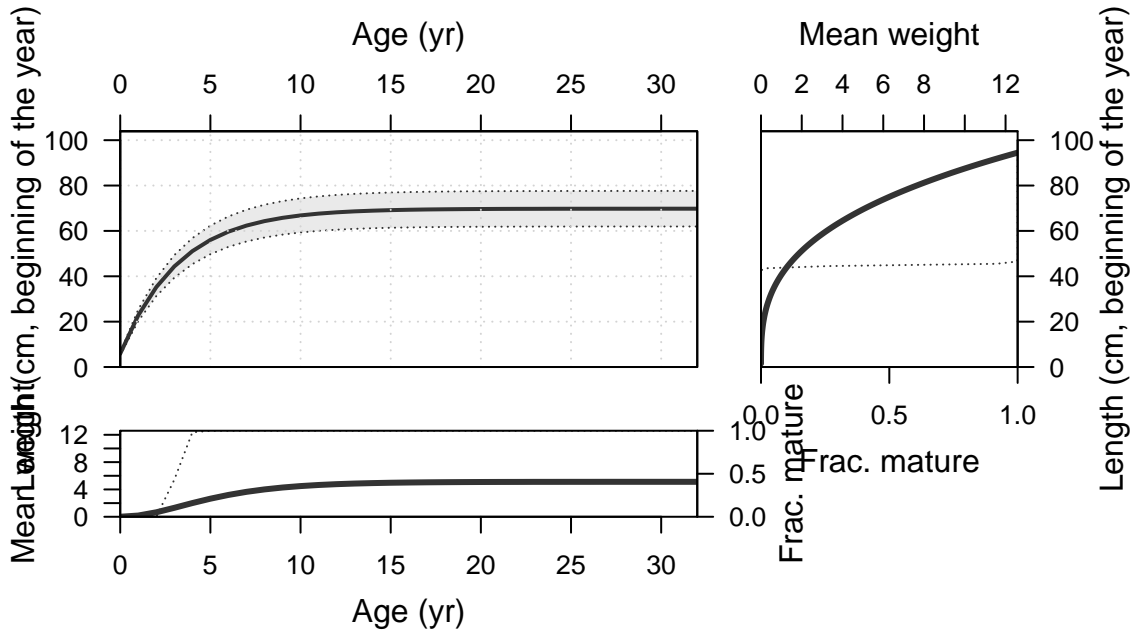
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Mon Aug 08 13:46:27 2022  
Data\_File: data.ss  
Control\_File: control.ss

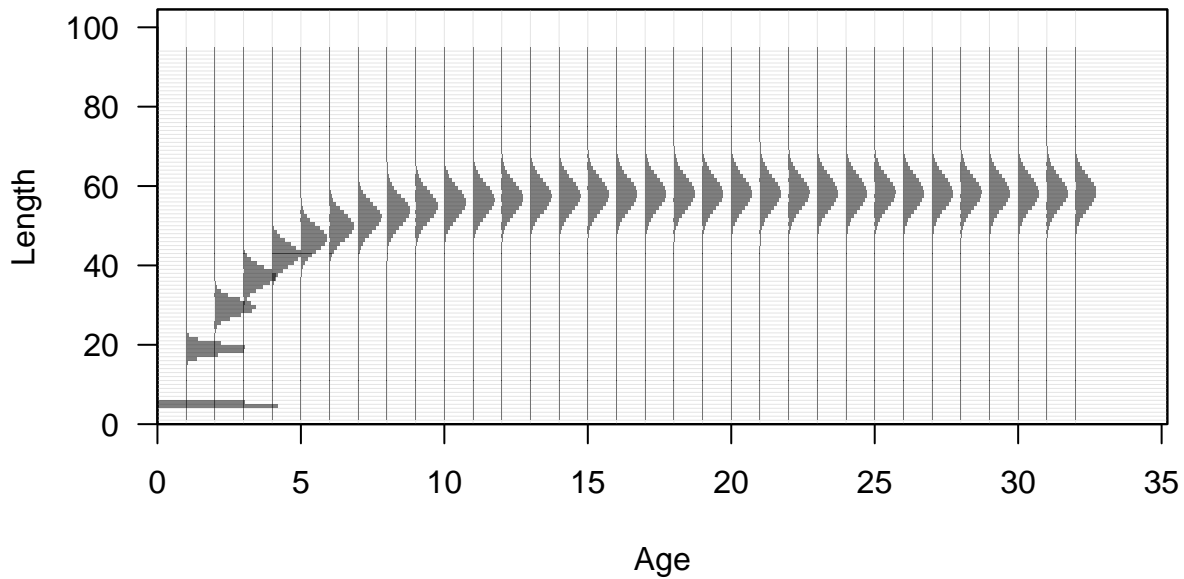
Length (cm, beginning of the year)

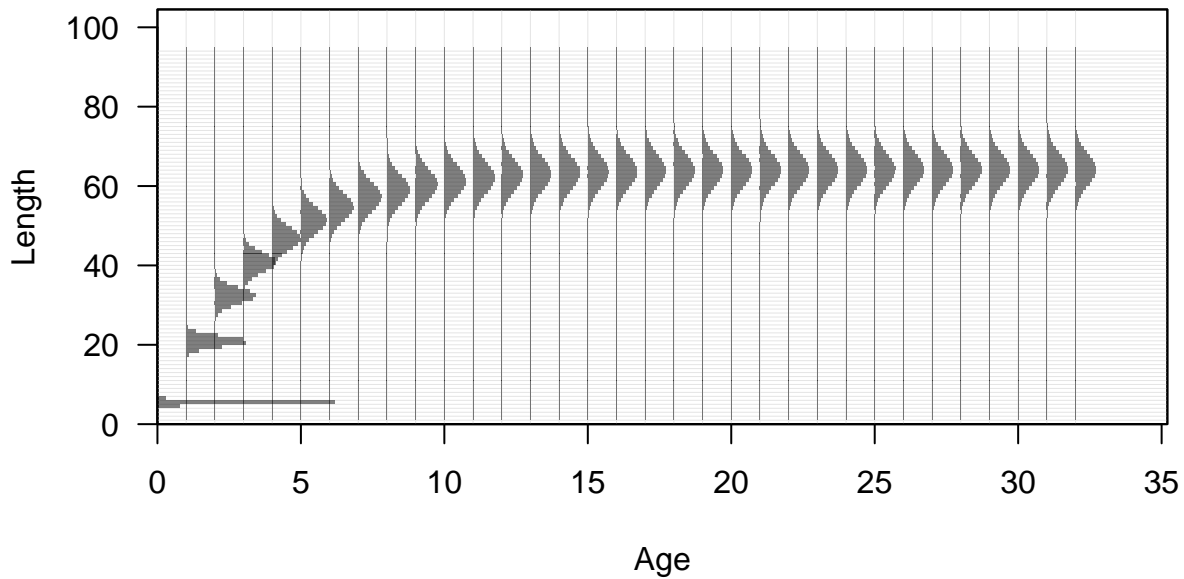


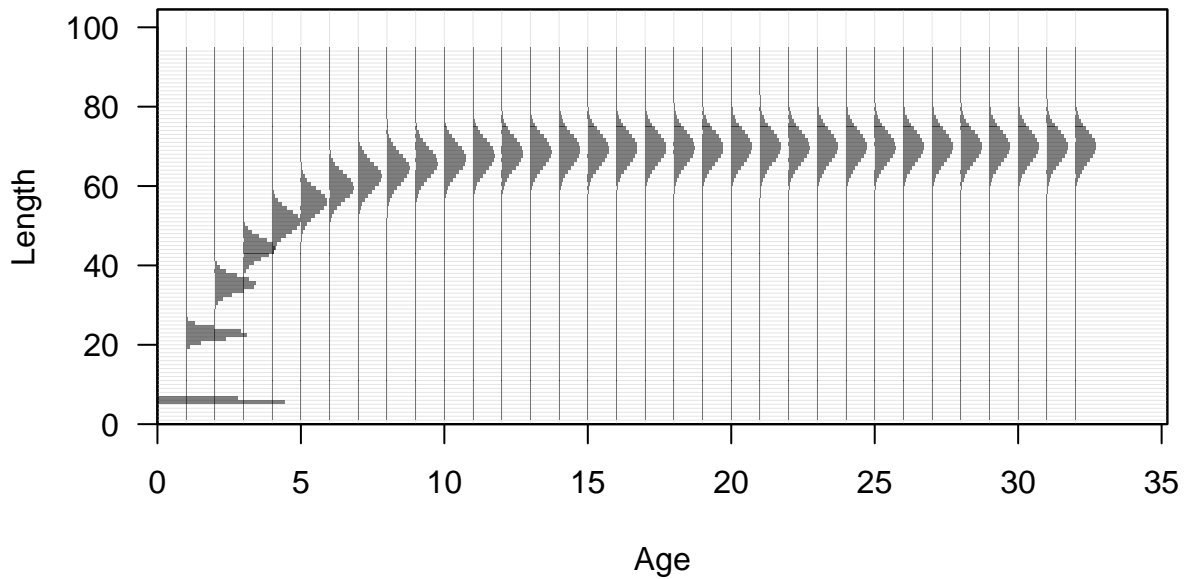
Age (yr)

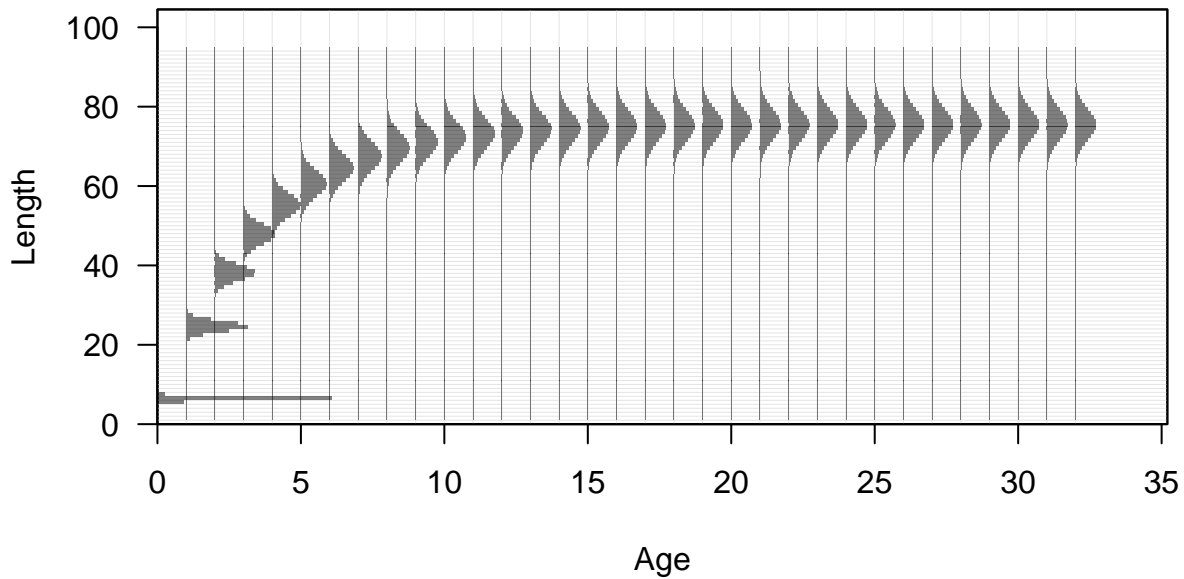




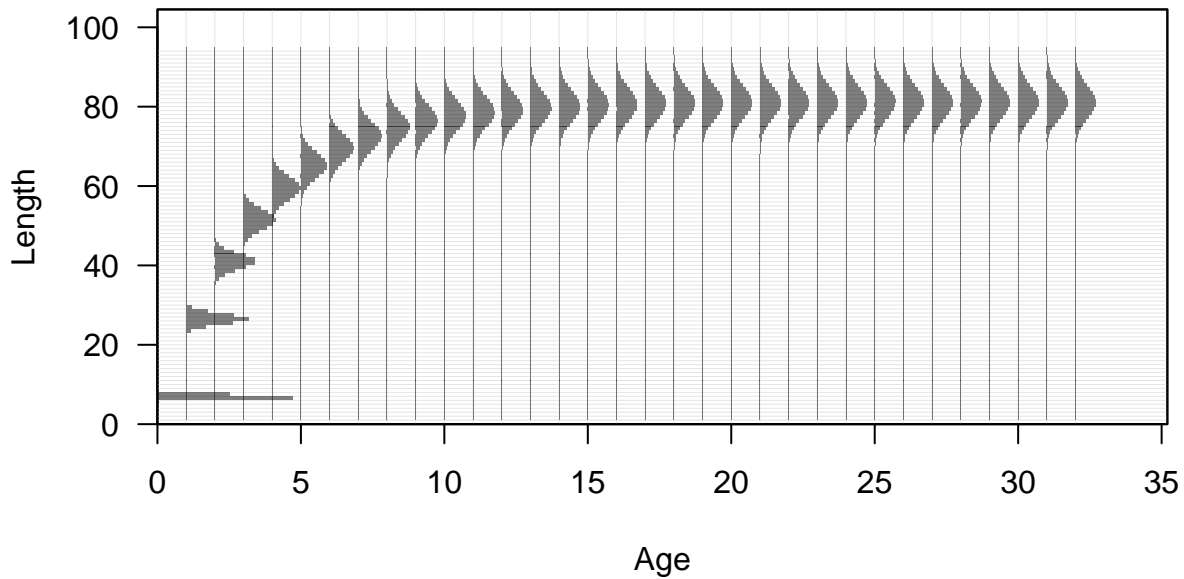


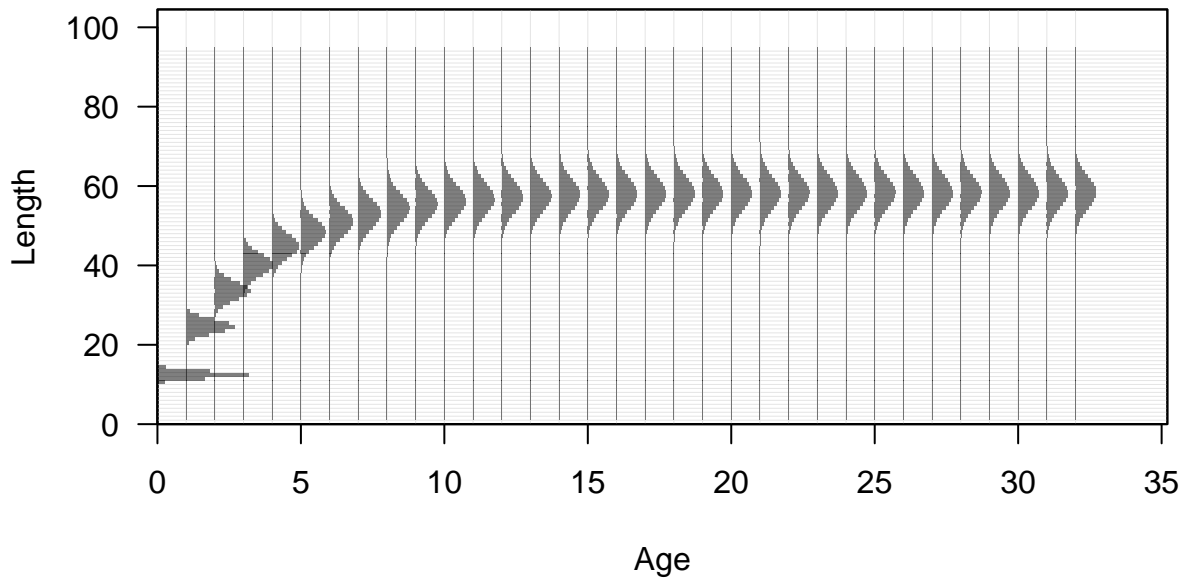


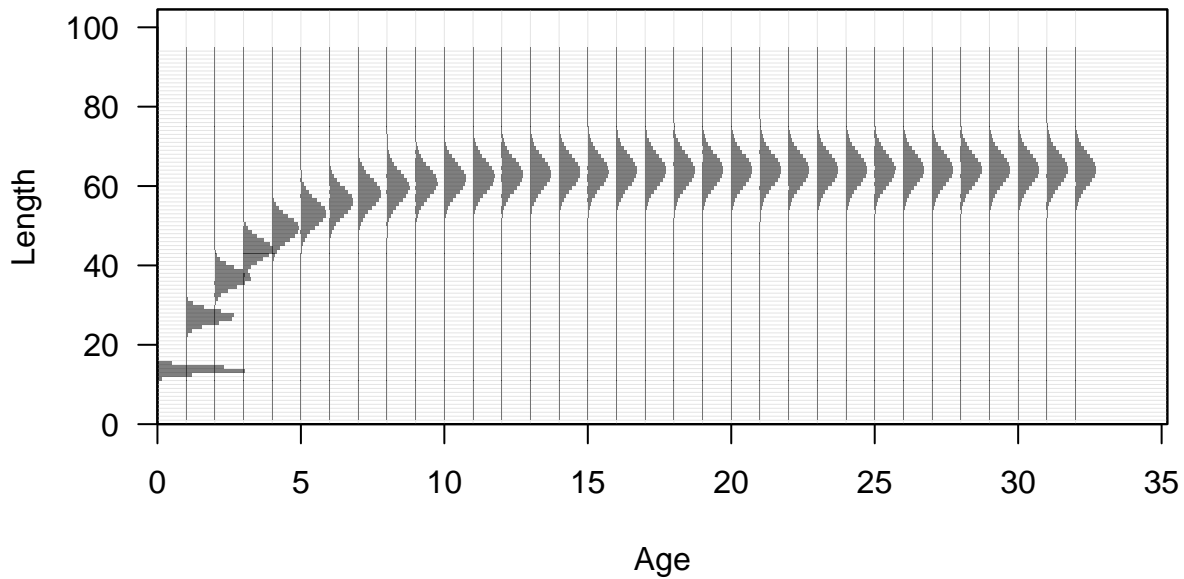


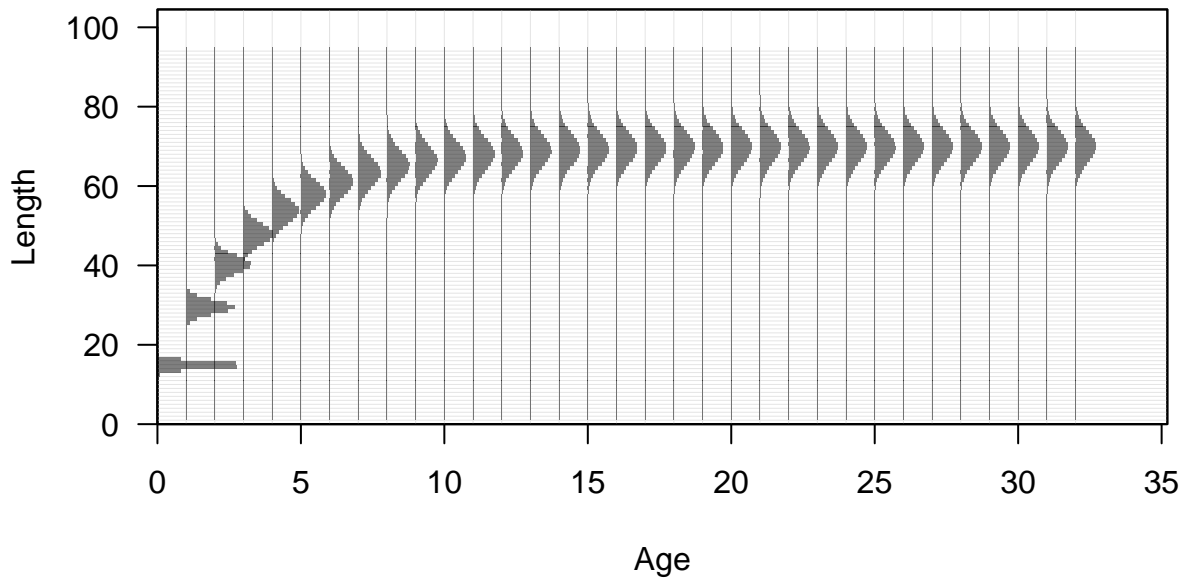


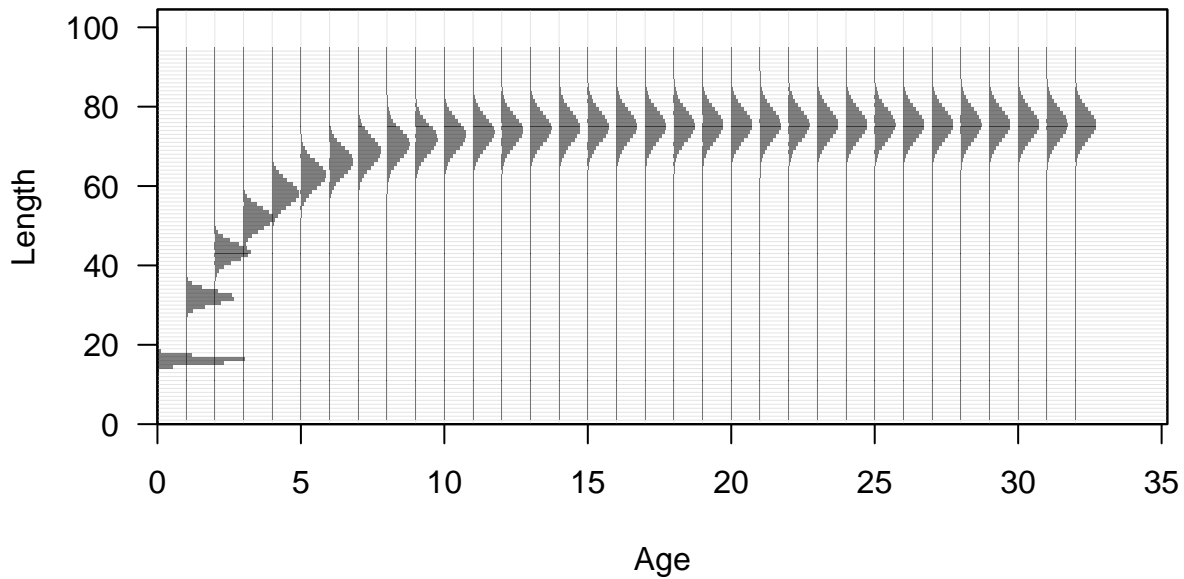


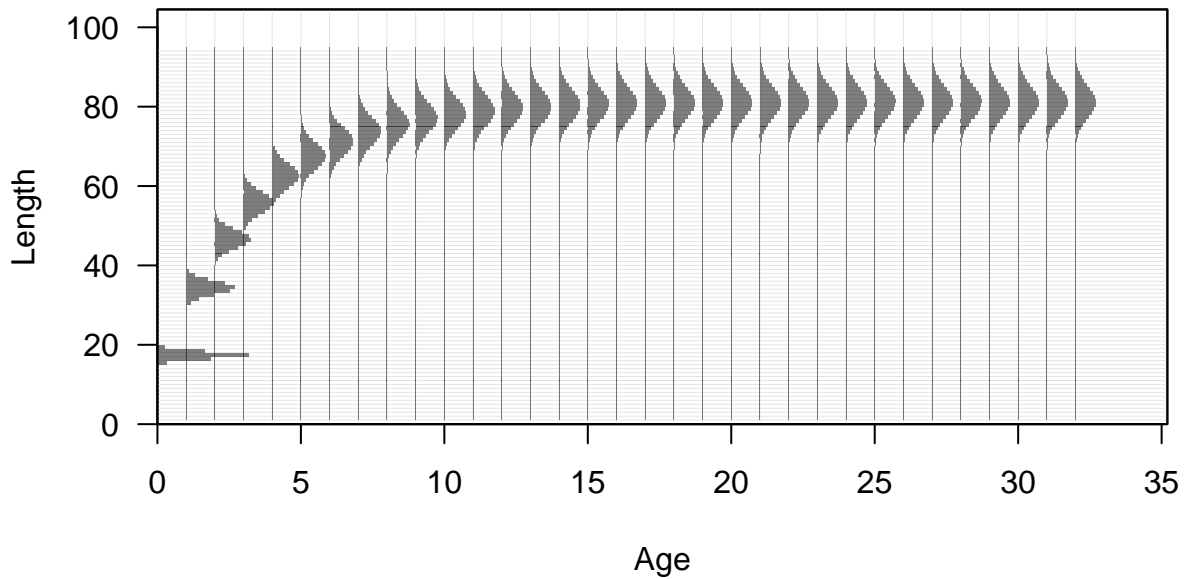


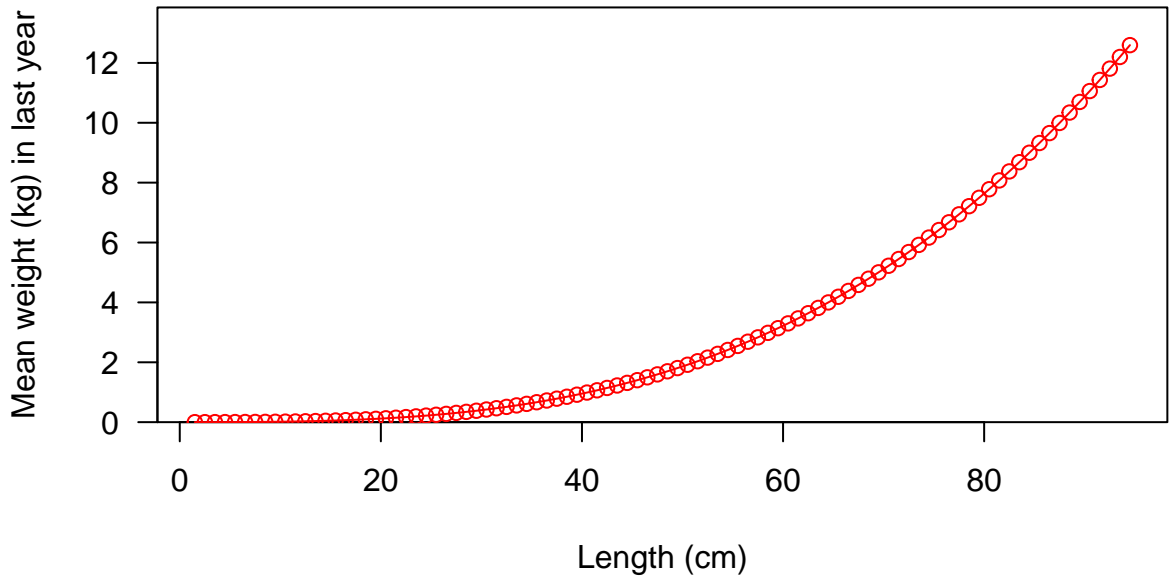






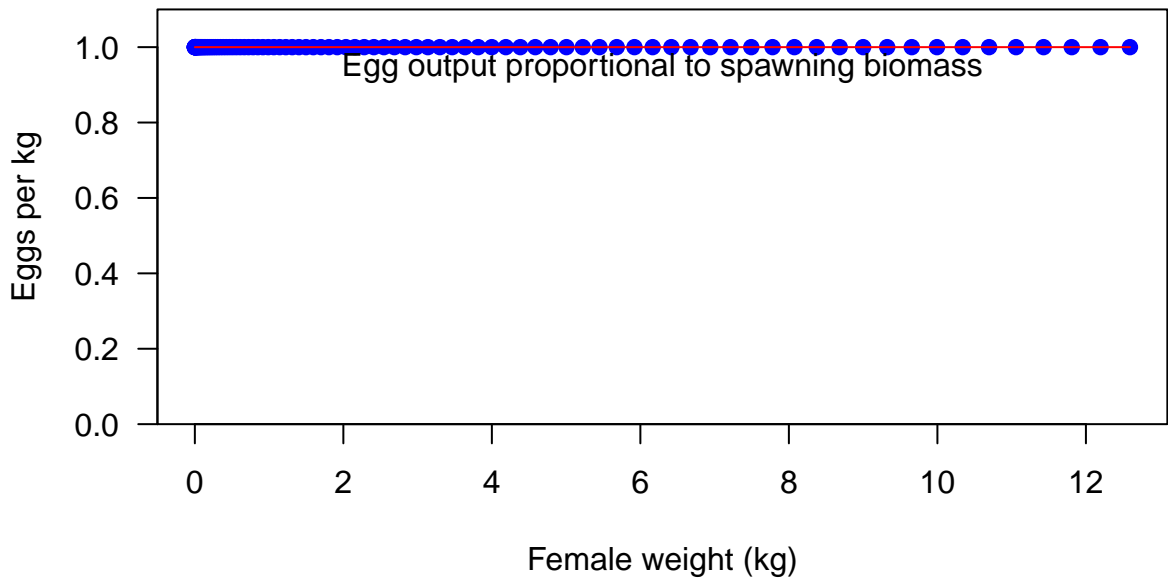




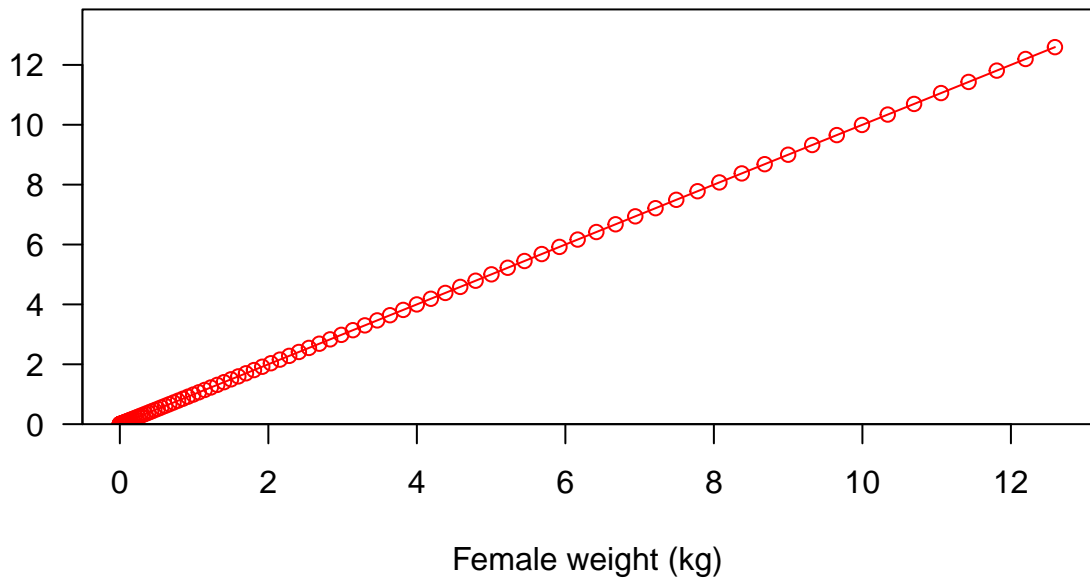




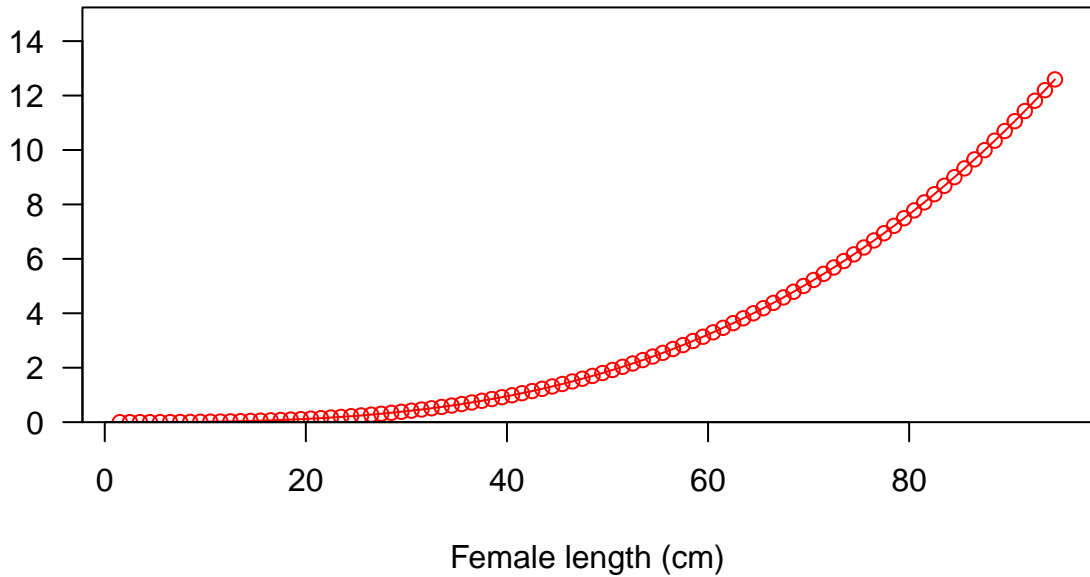




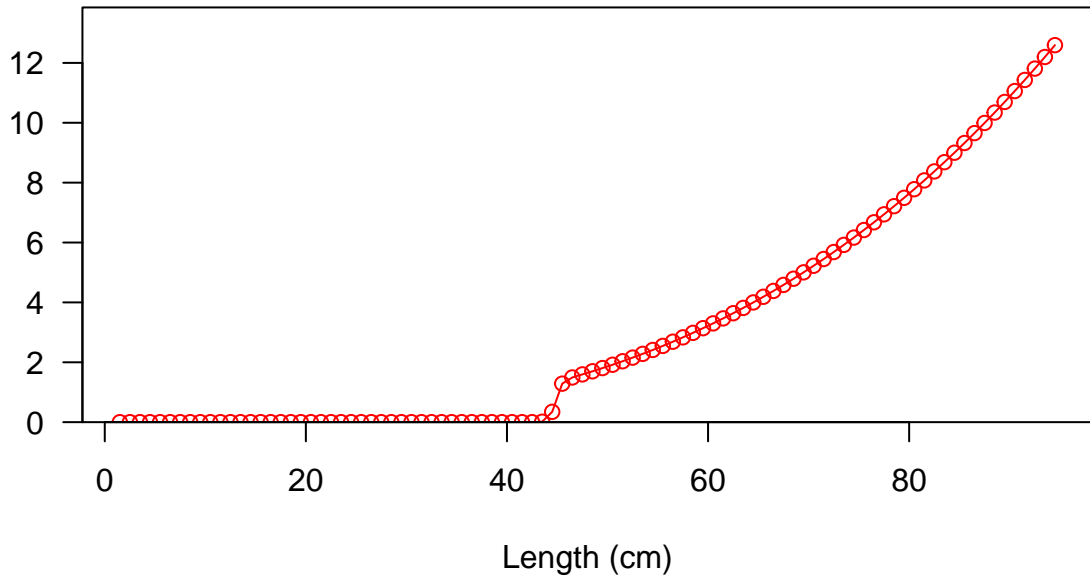
Fecundity



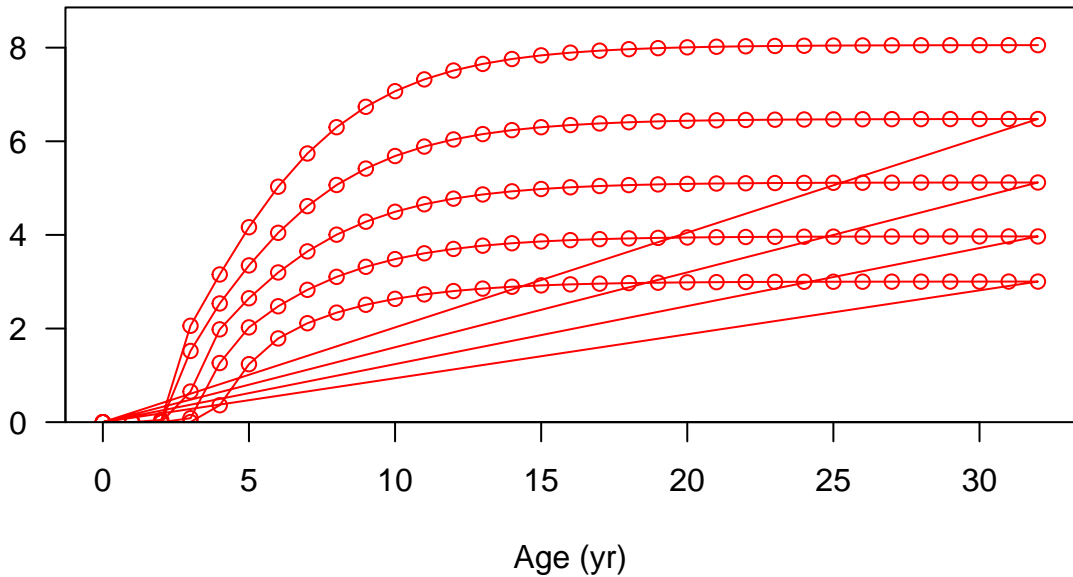
Fecundity



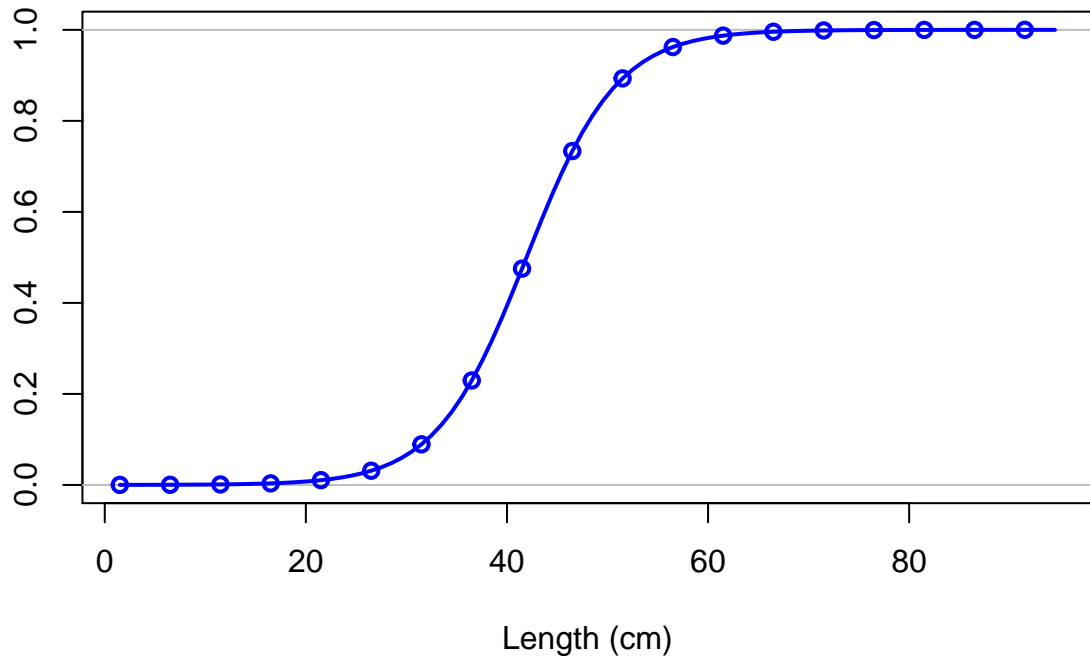
Spawning output



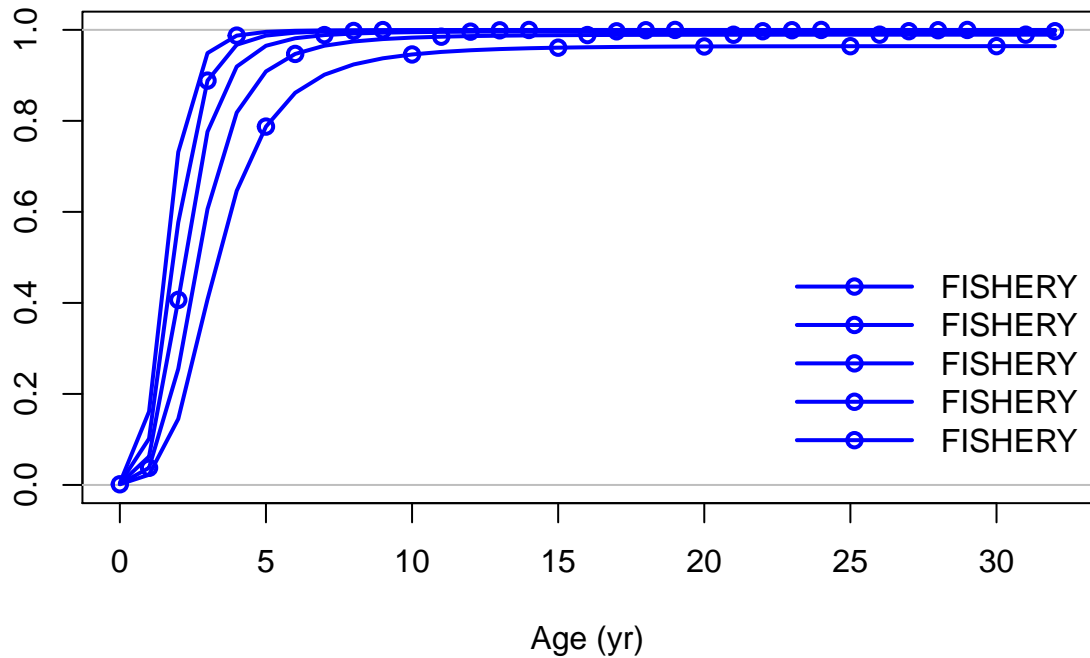
Spawning output



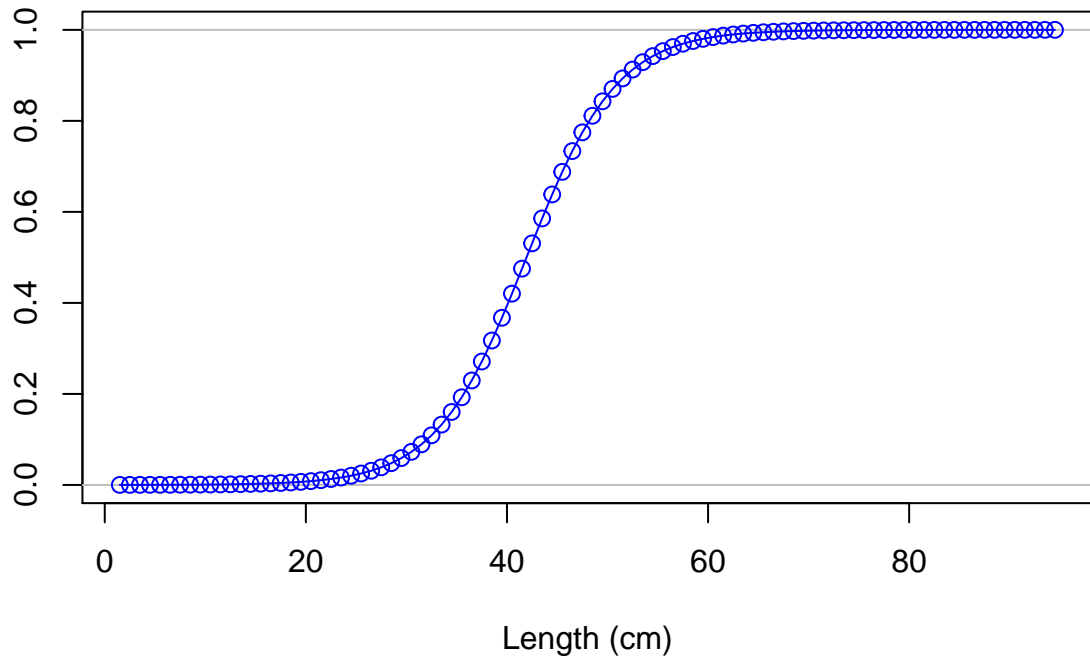
Selectivity



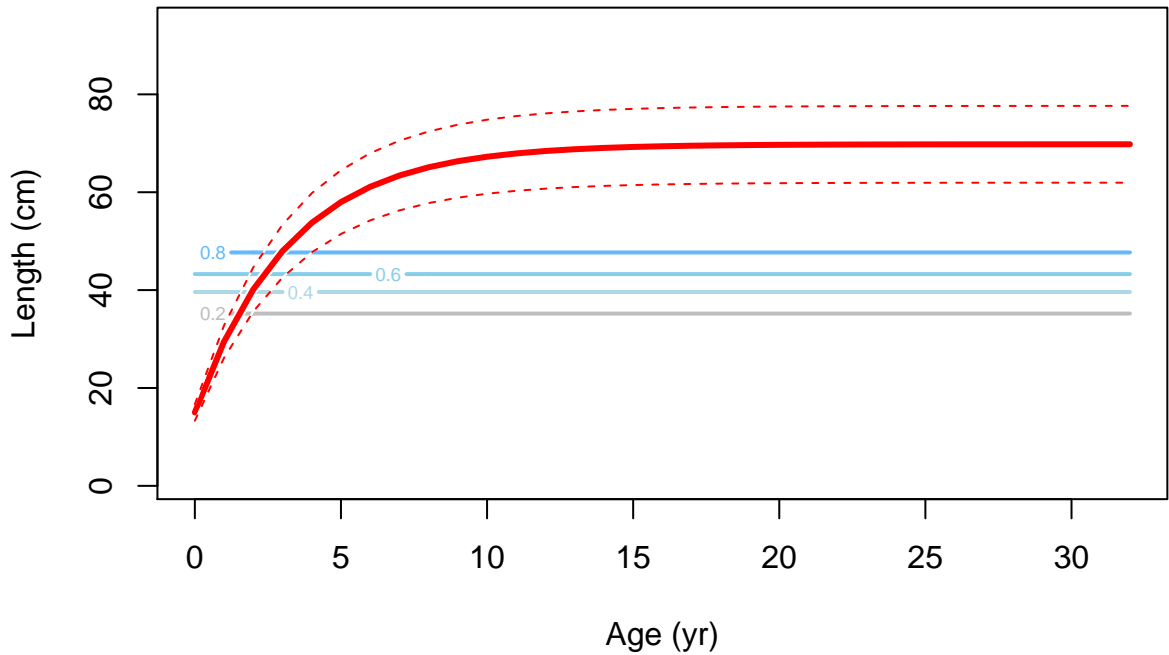
Selectivity

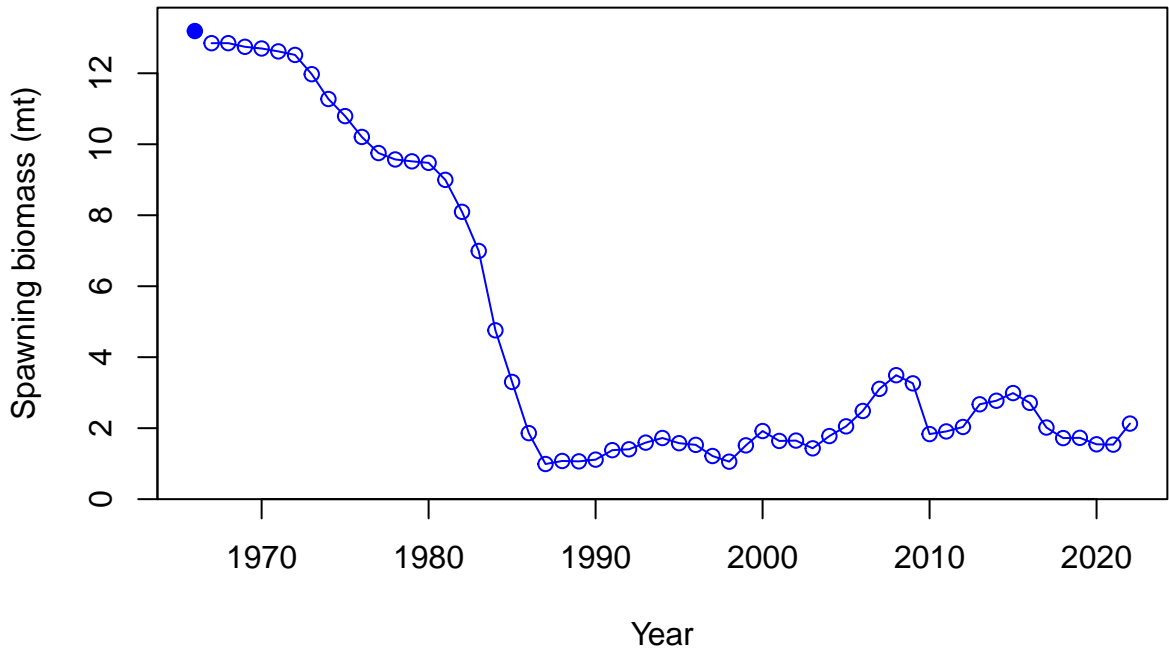


Selectivity

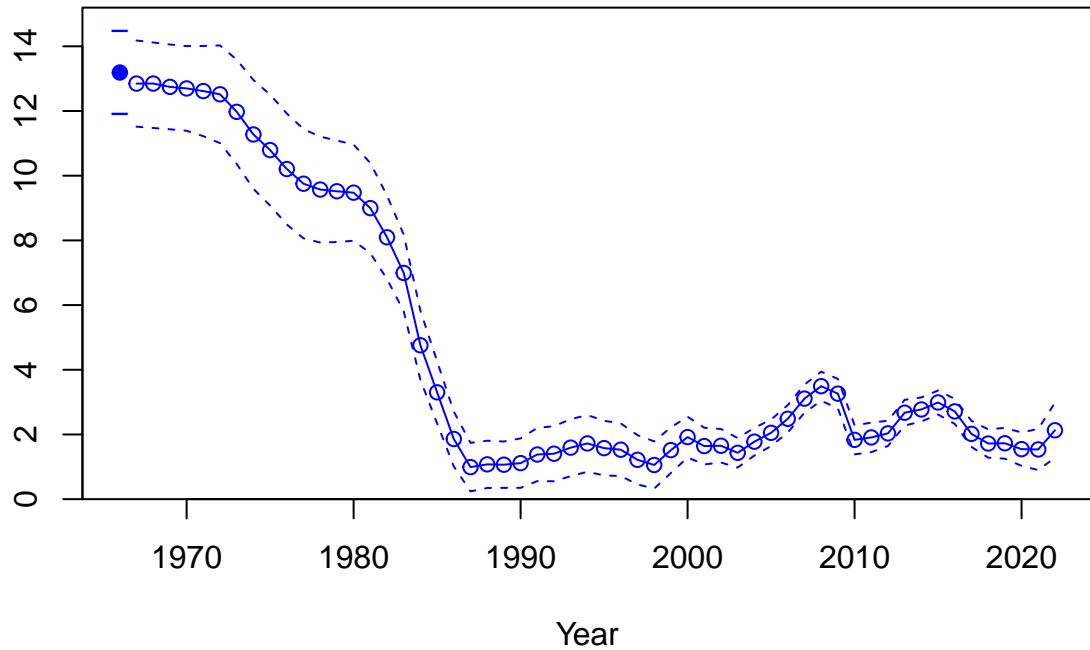




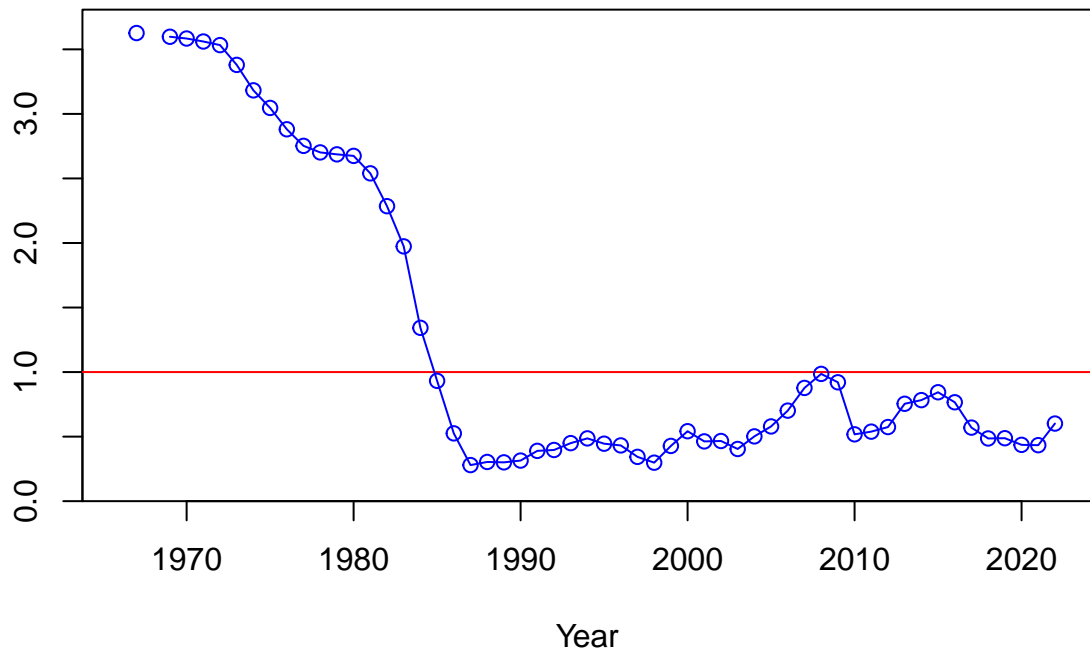




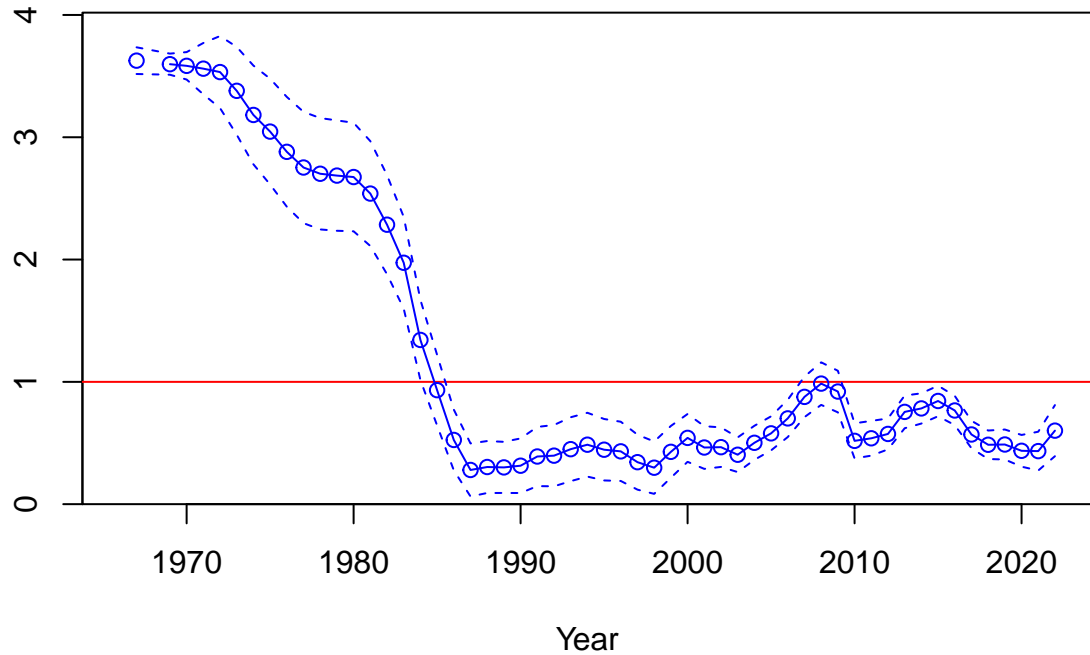
Spawning biomass (mt)

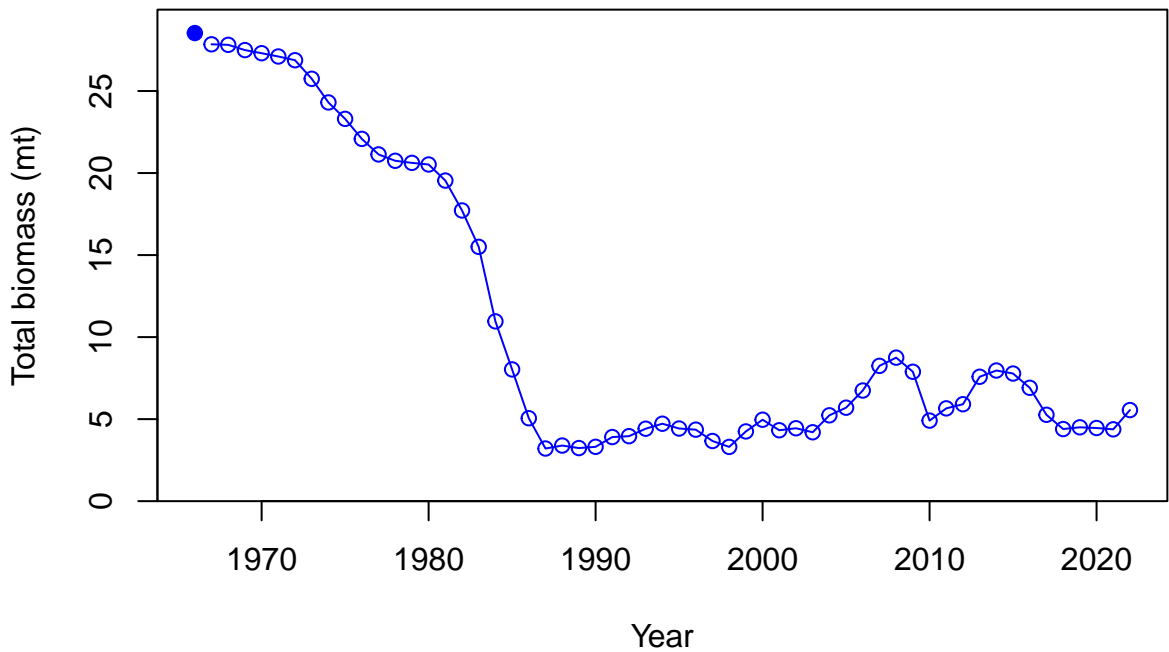


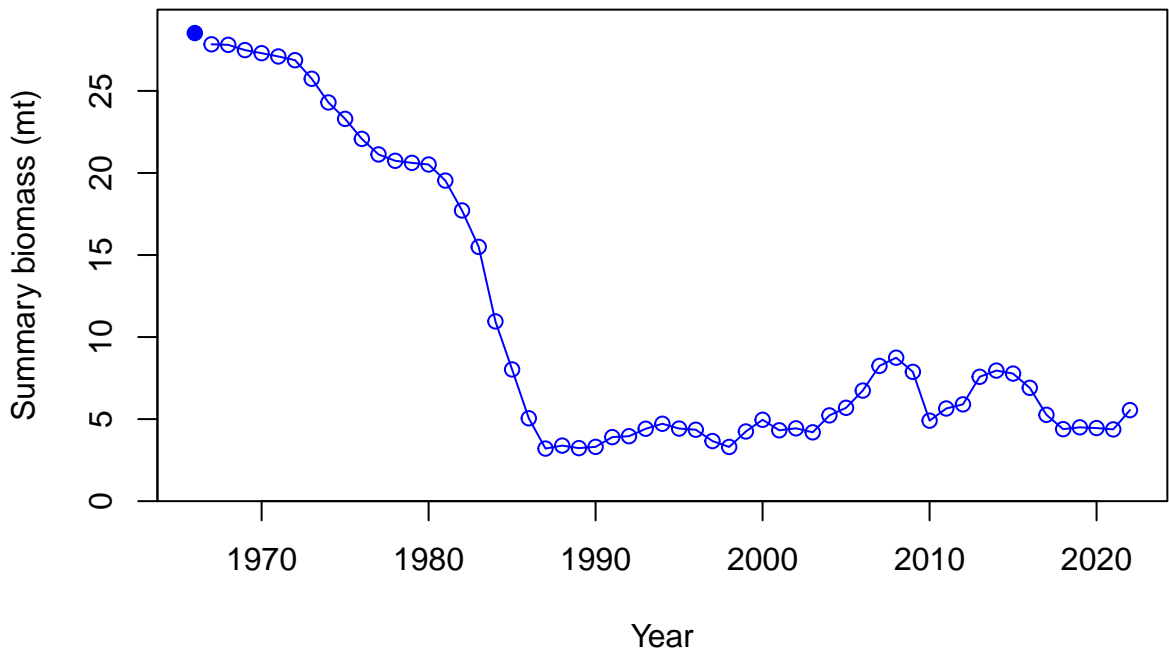
Relative spawning biomass:  $B/B_{MSY}$



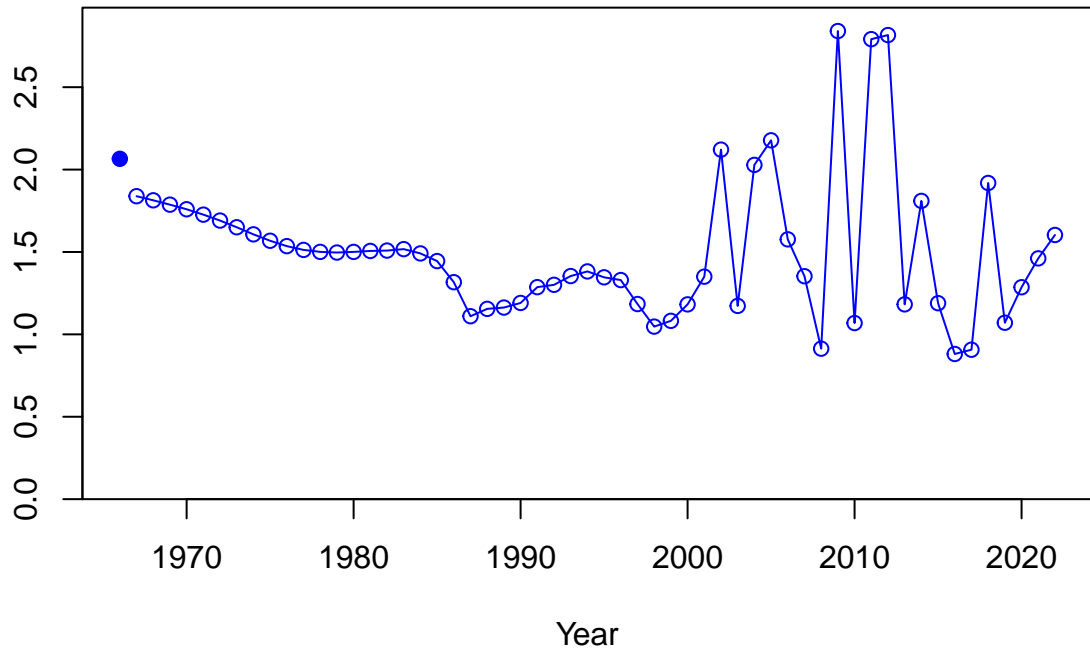
Relative spawning biomass:  $B/B_{MSY}$





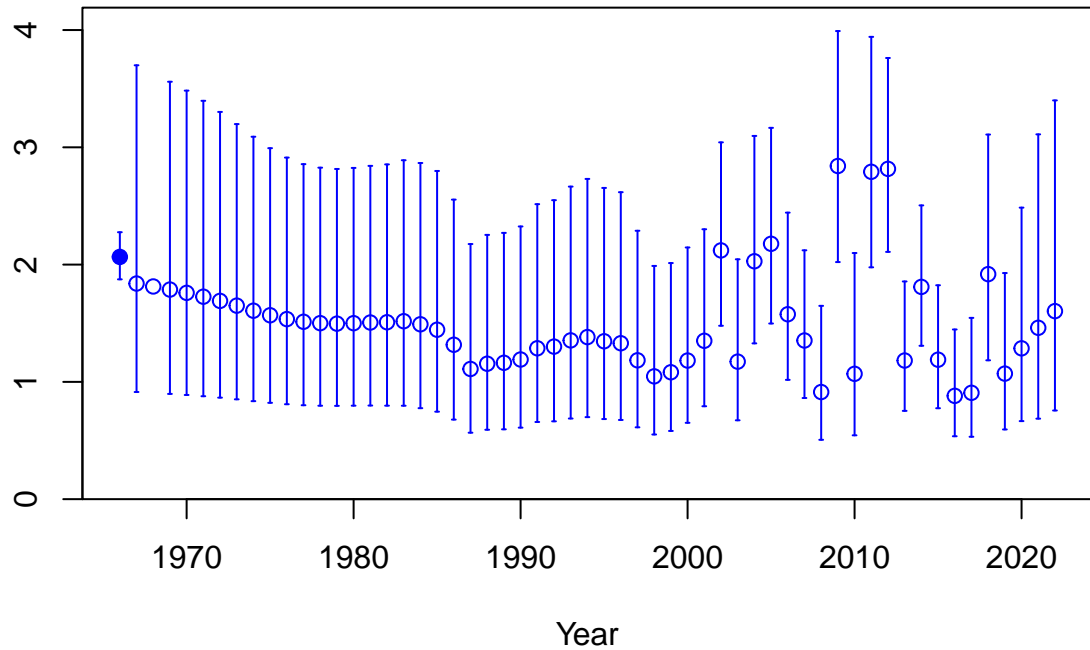


Age-0 recruits (1,000s)

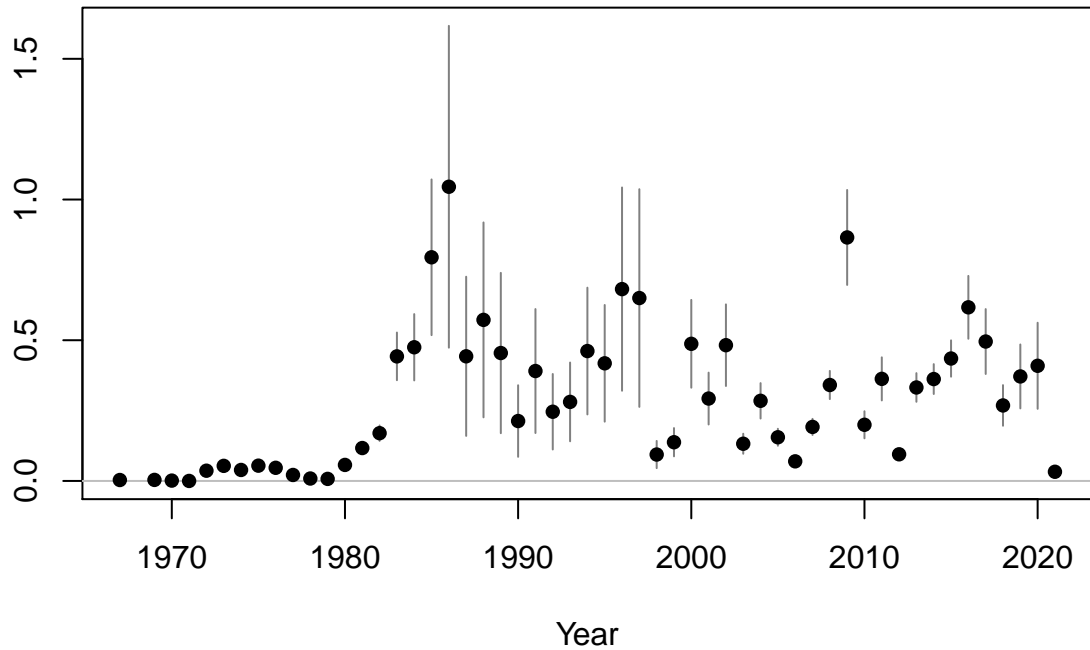


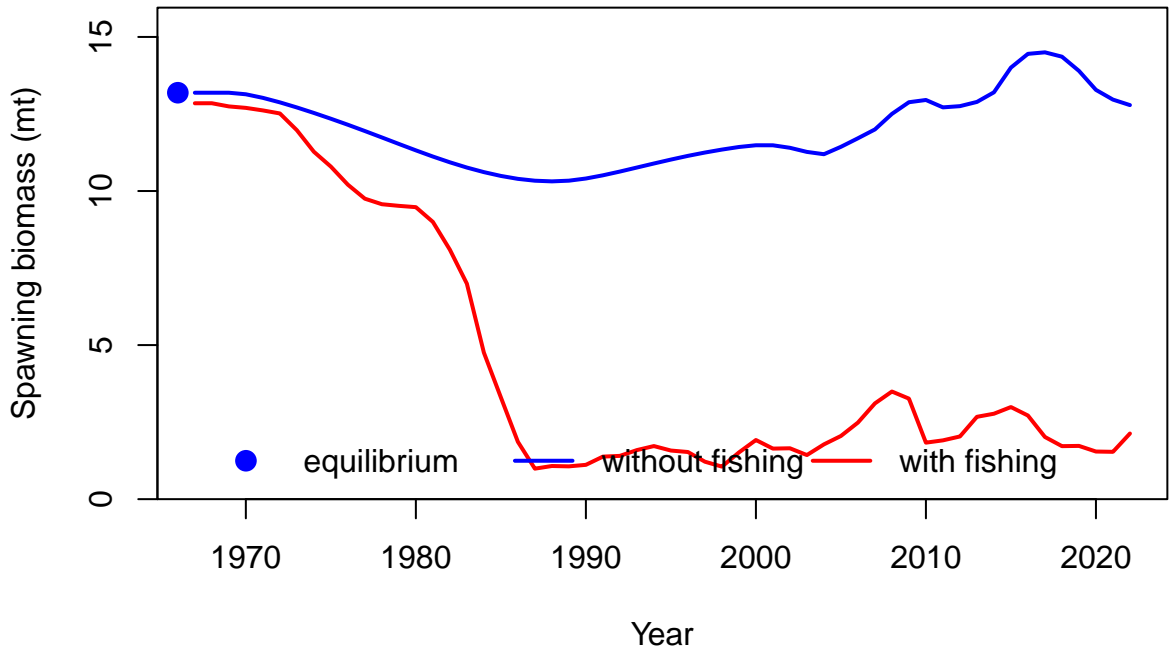


Age-0 recruits (1,000s)

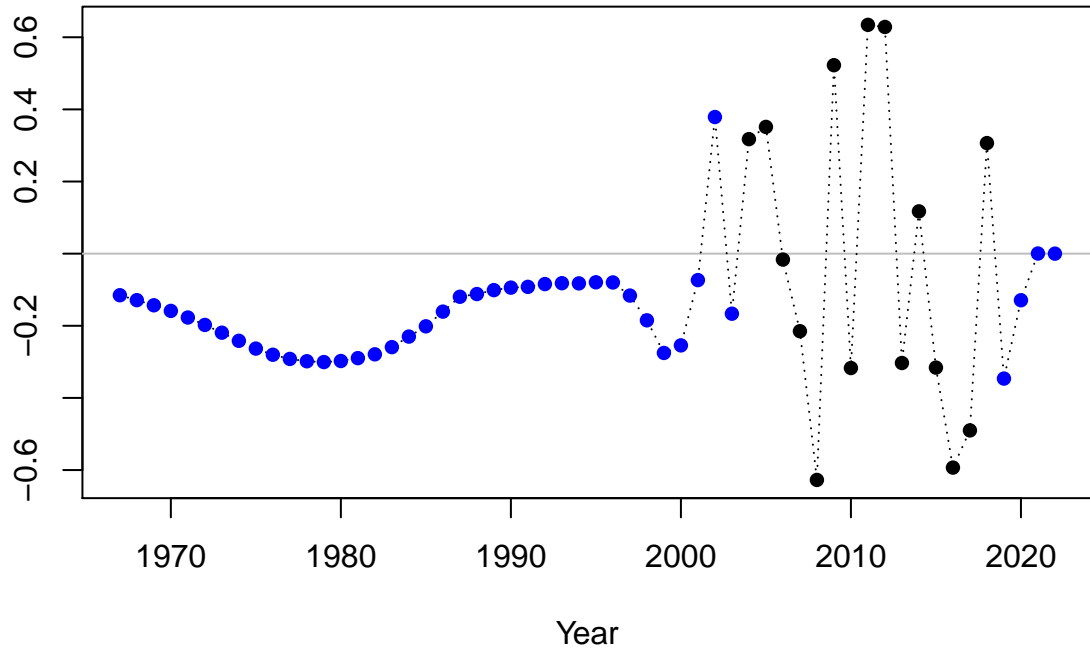


Summary Fishing Mortality

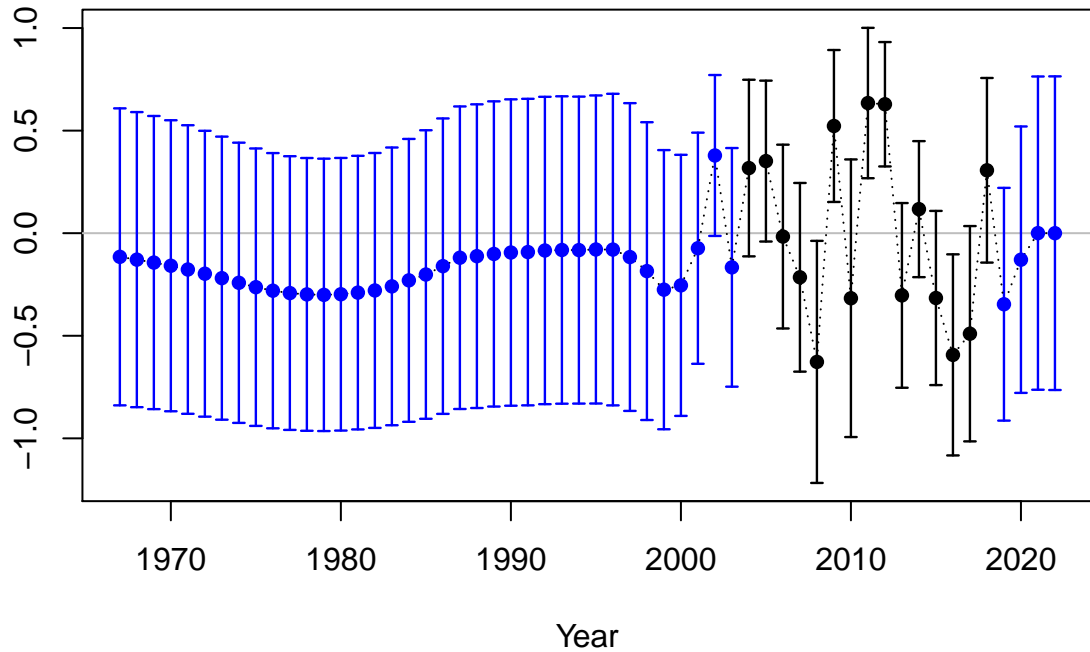




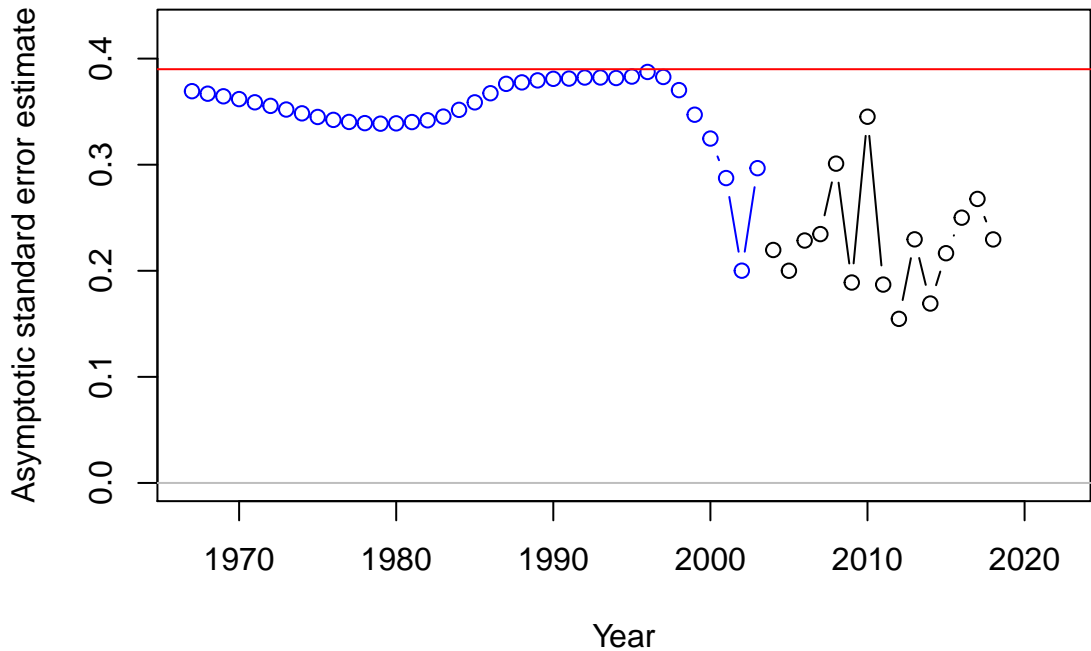
Log recruitment deviation

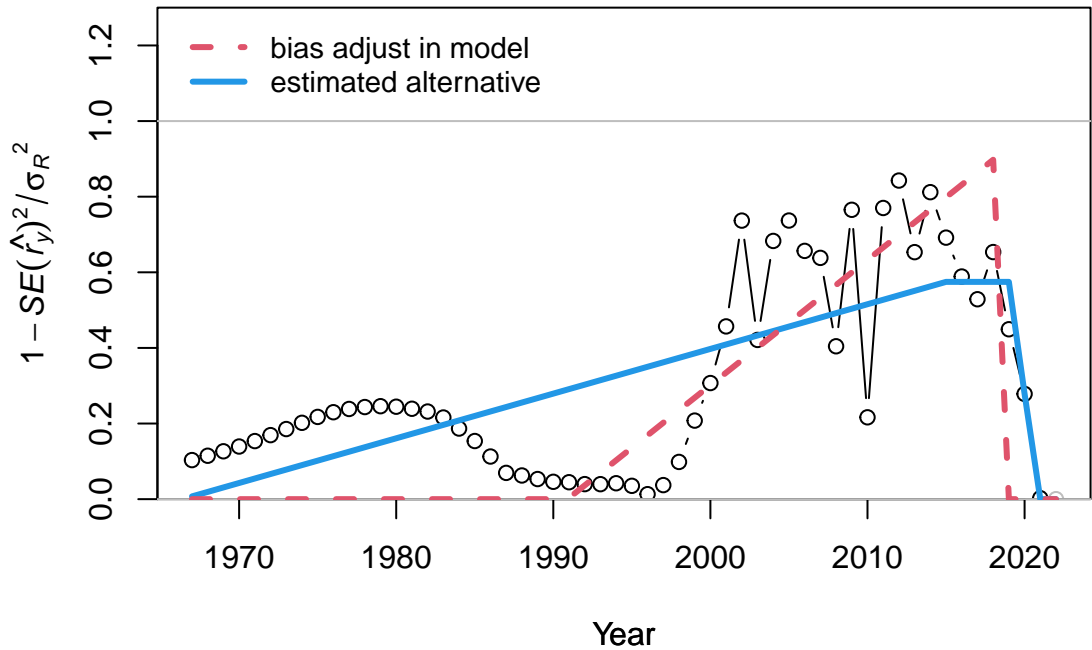


Log recruitment deviation

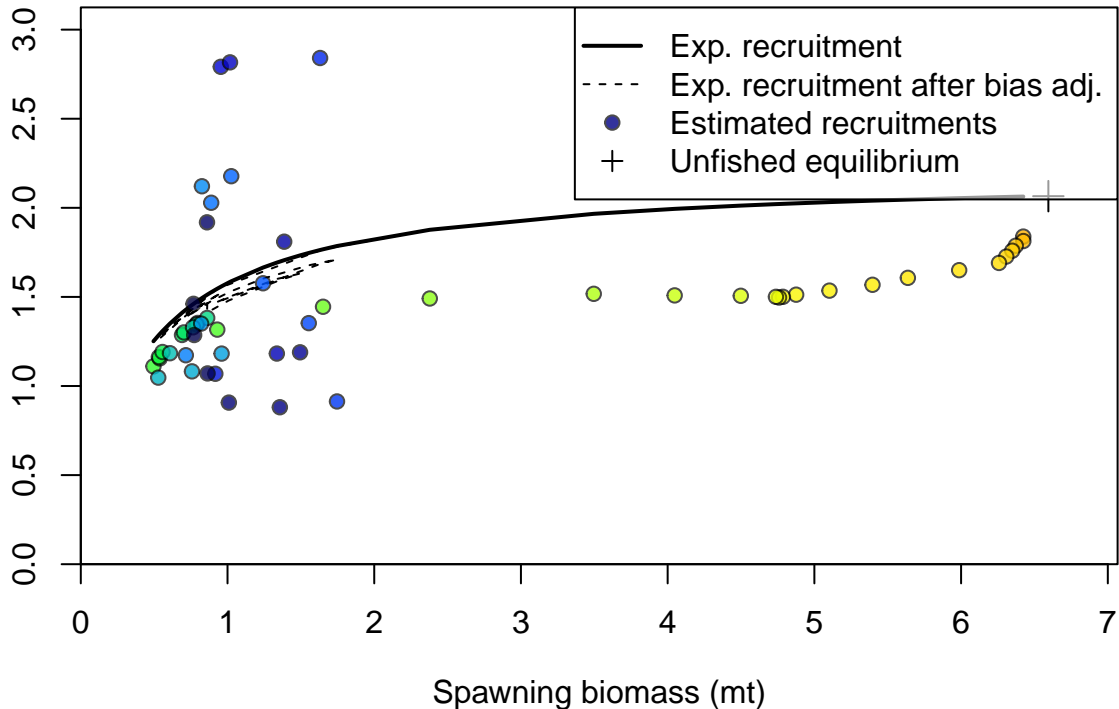


## Recruitment deviation variance



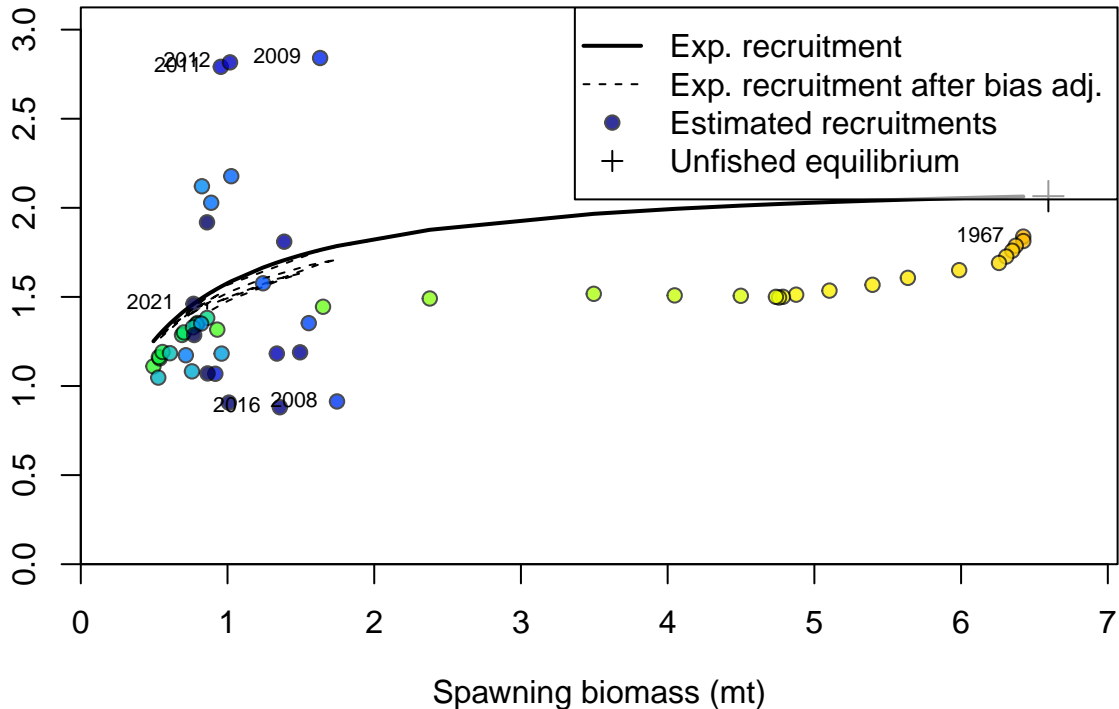


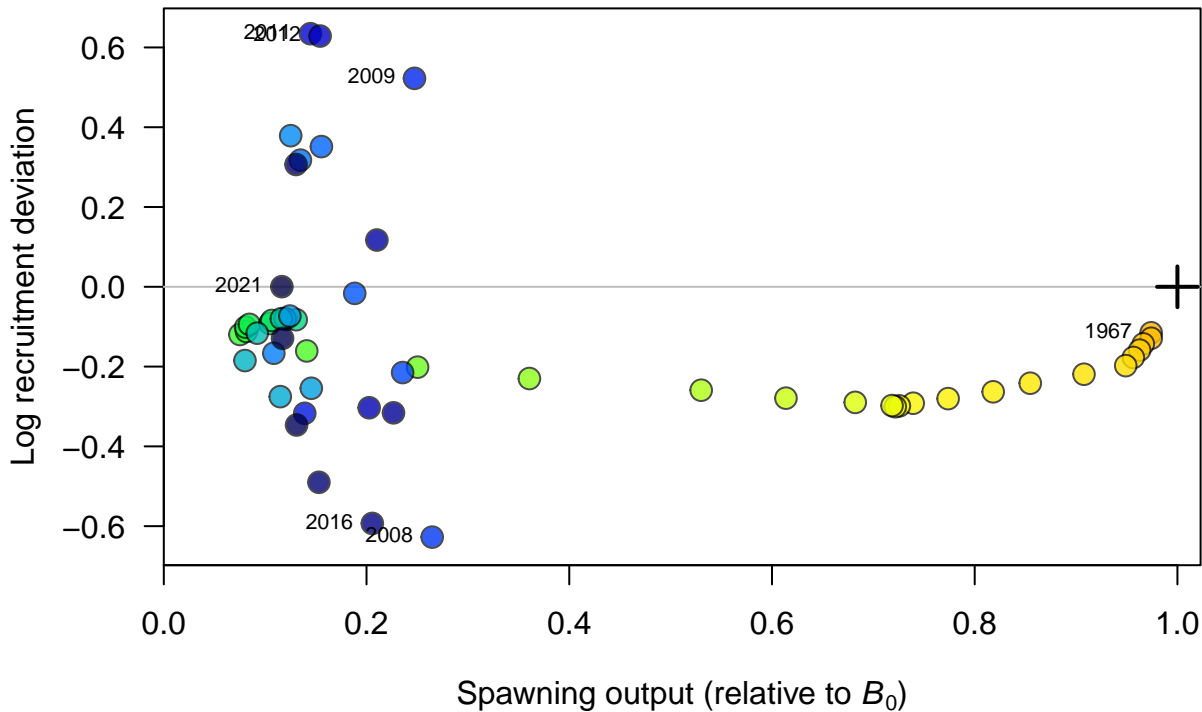
Recruitment (1,000s)

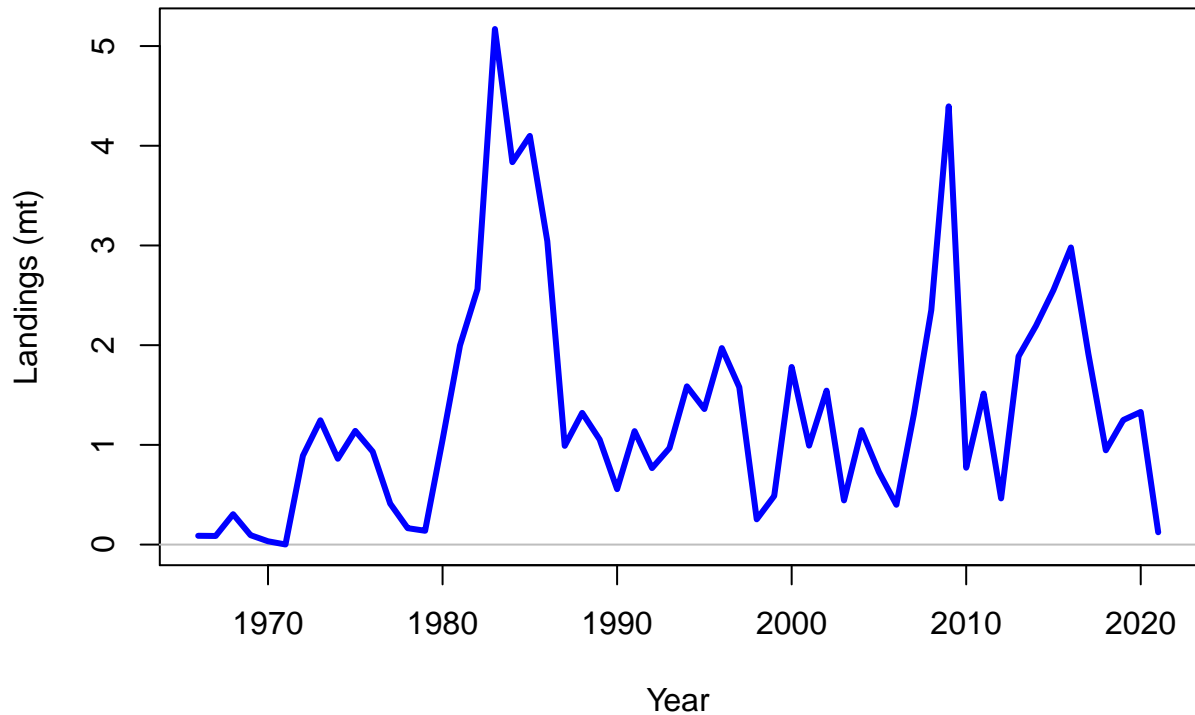




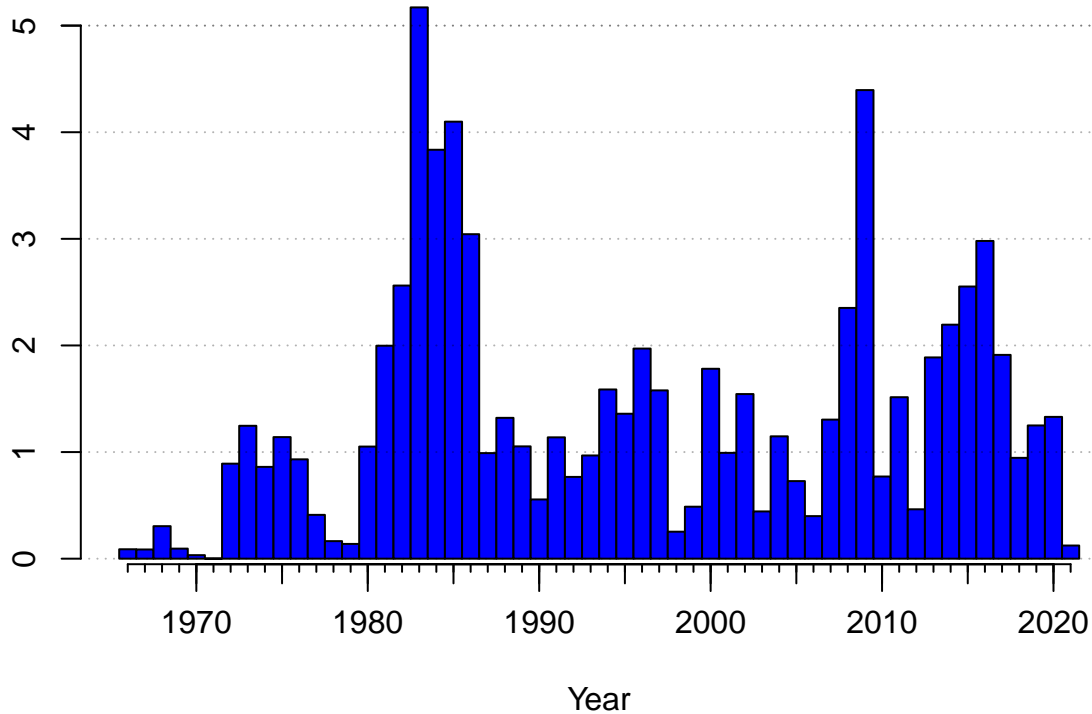
Recruitment (1,000s)

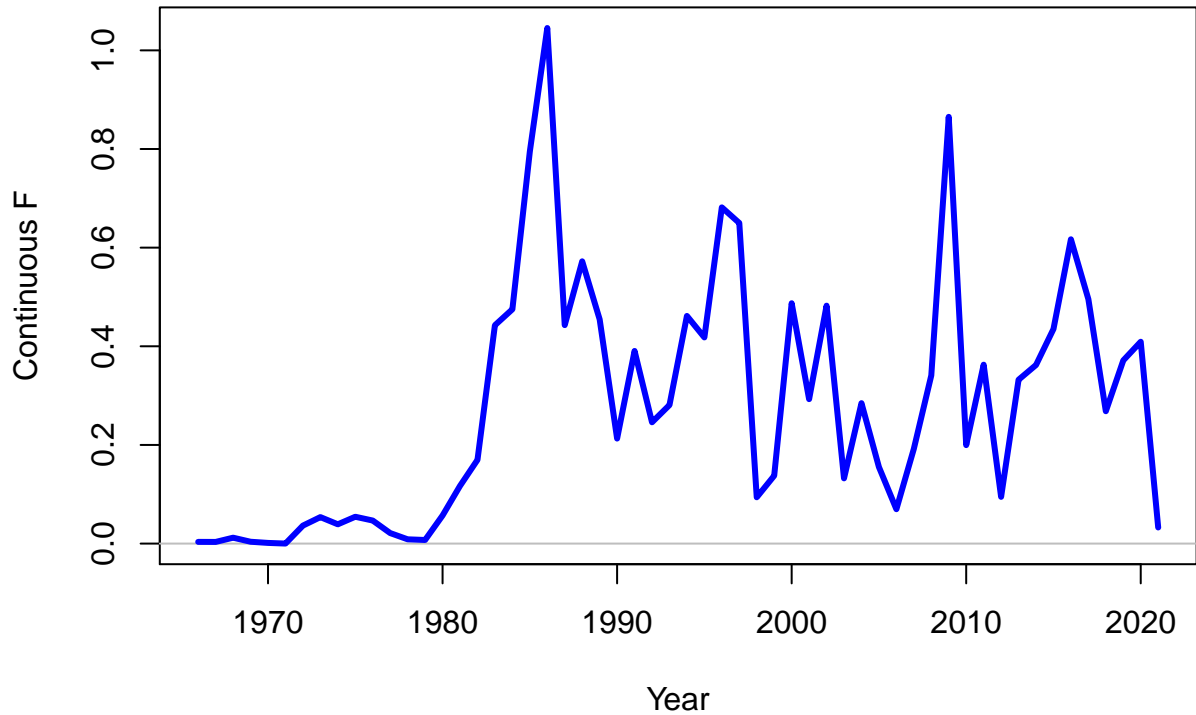




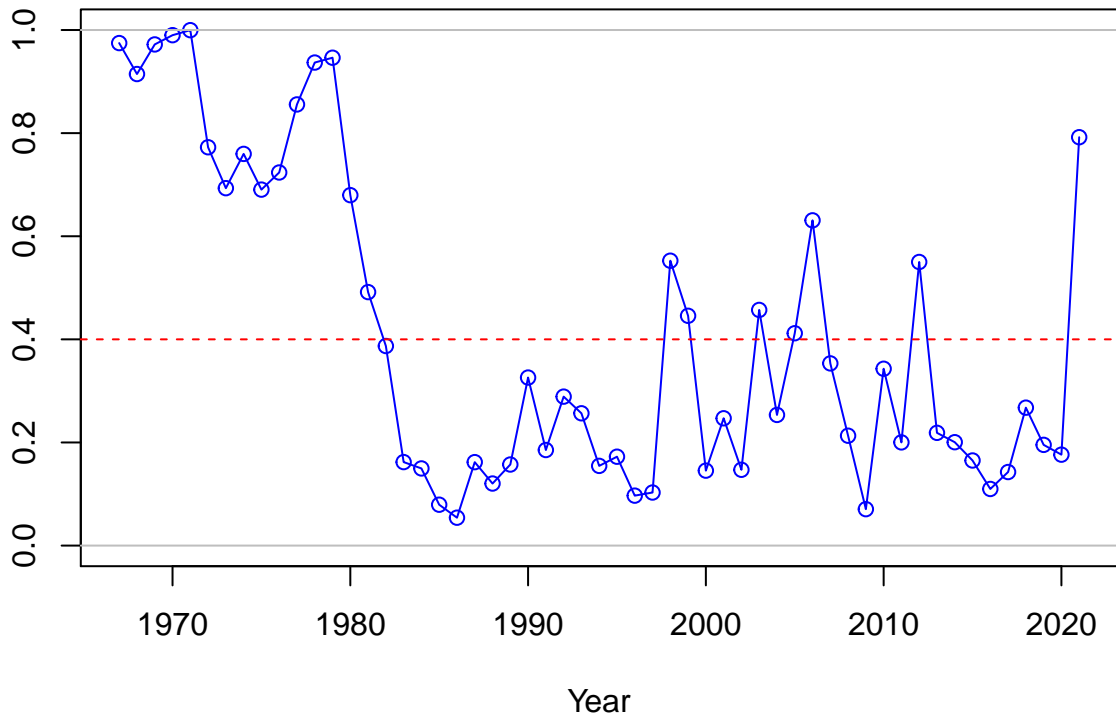


Landings (mt)

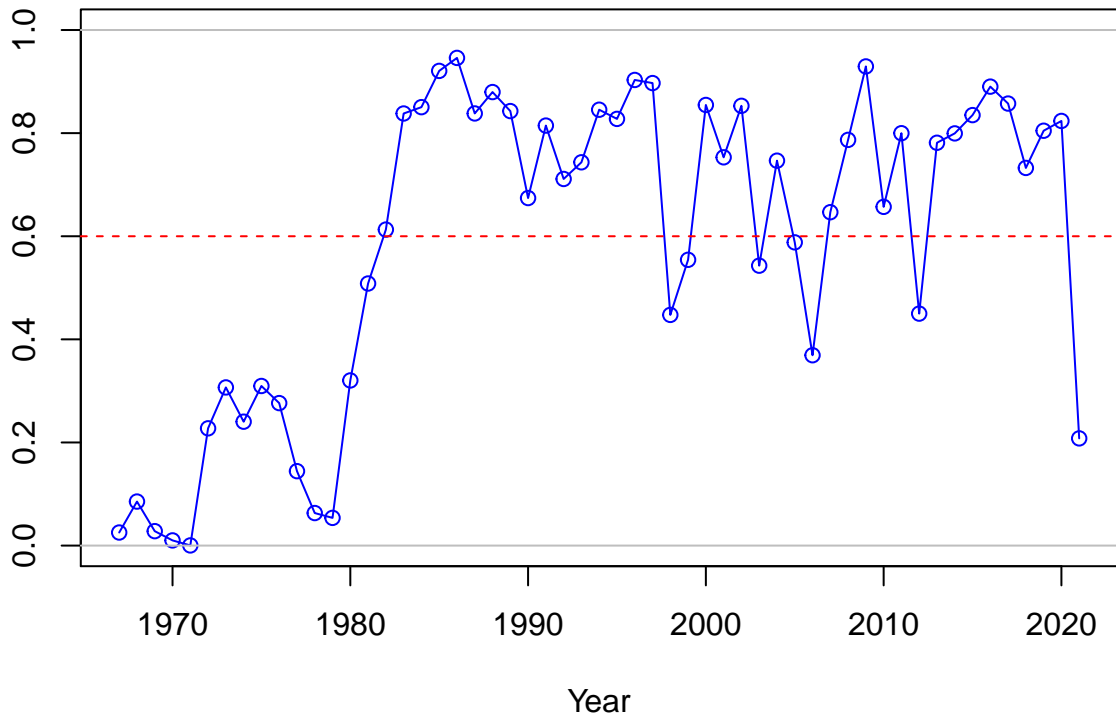




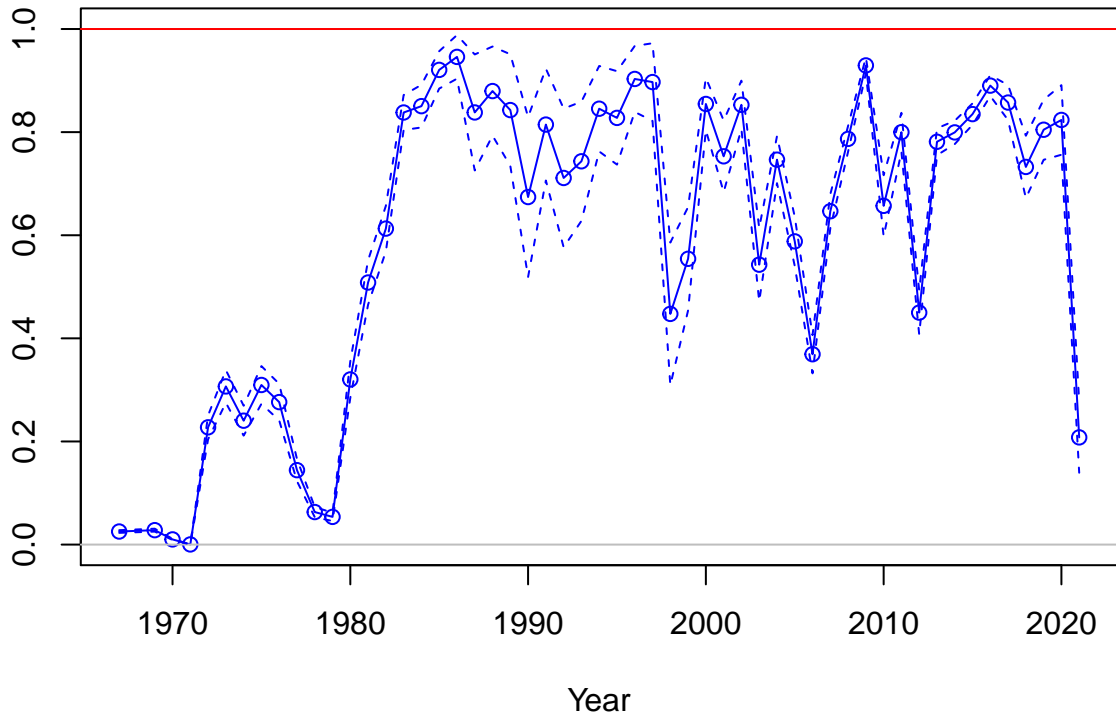
SPR



1-SPR

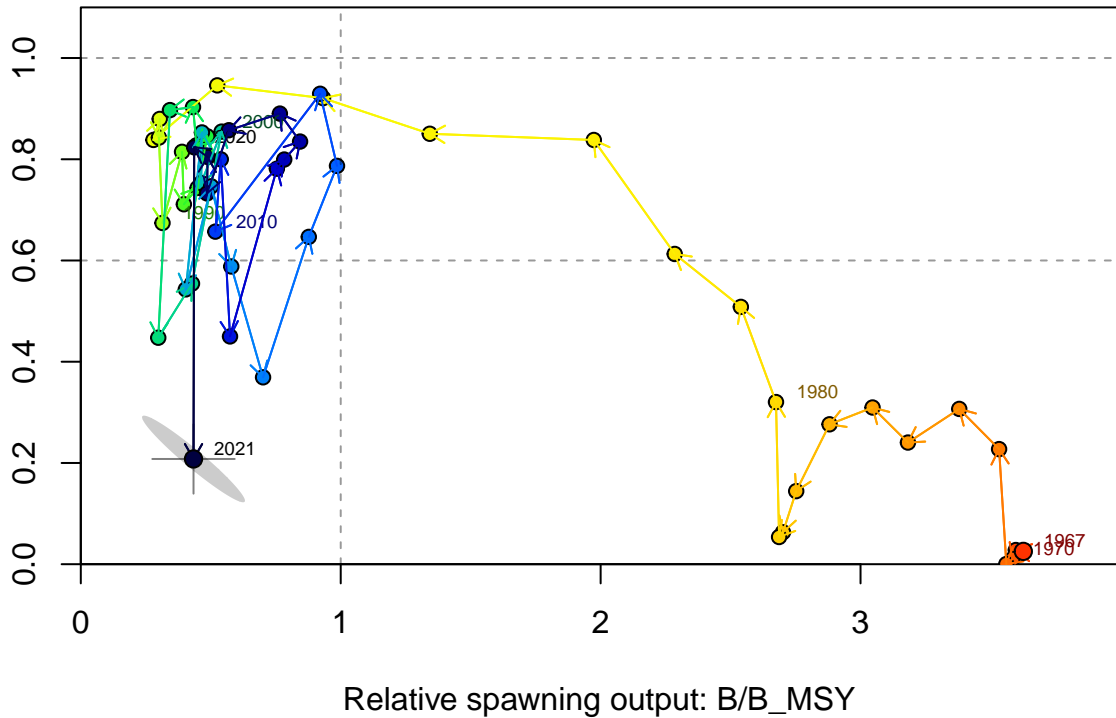


Fishing intensity: 1-SPR

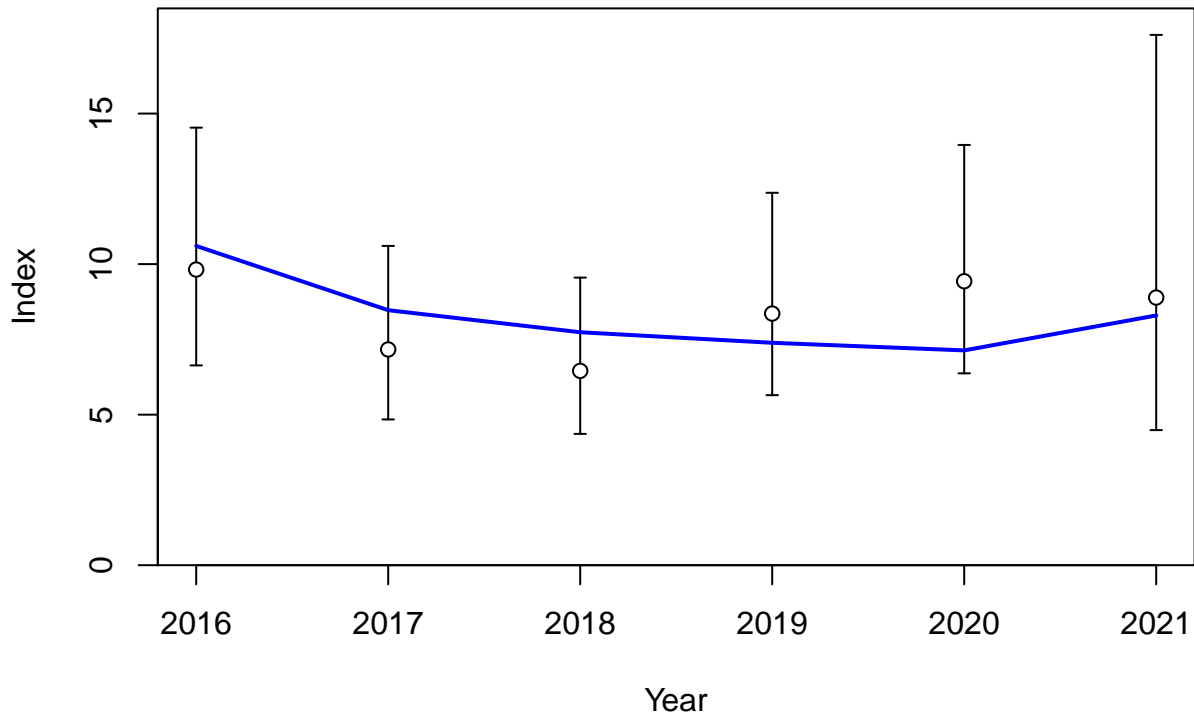


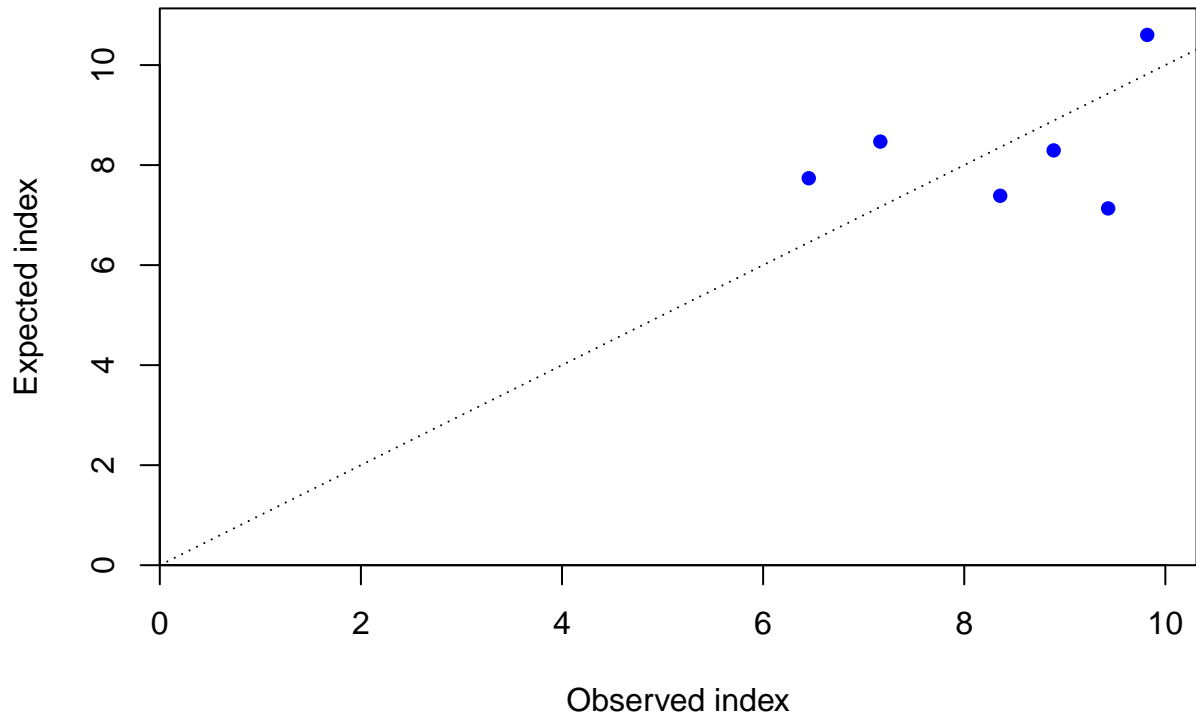


Fishing intensity: 1-SPR

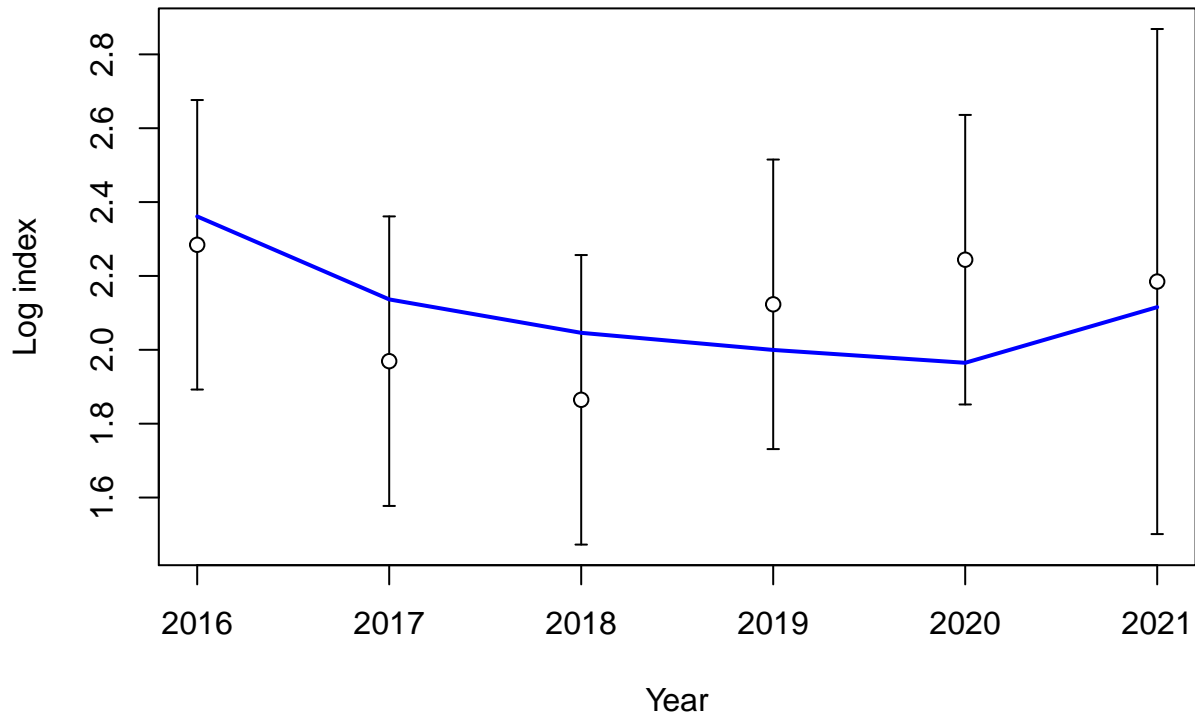


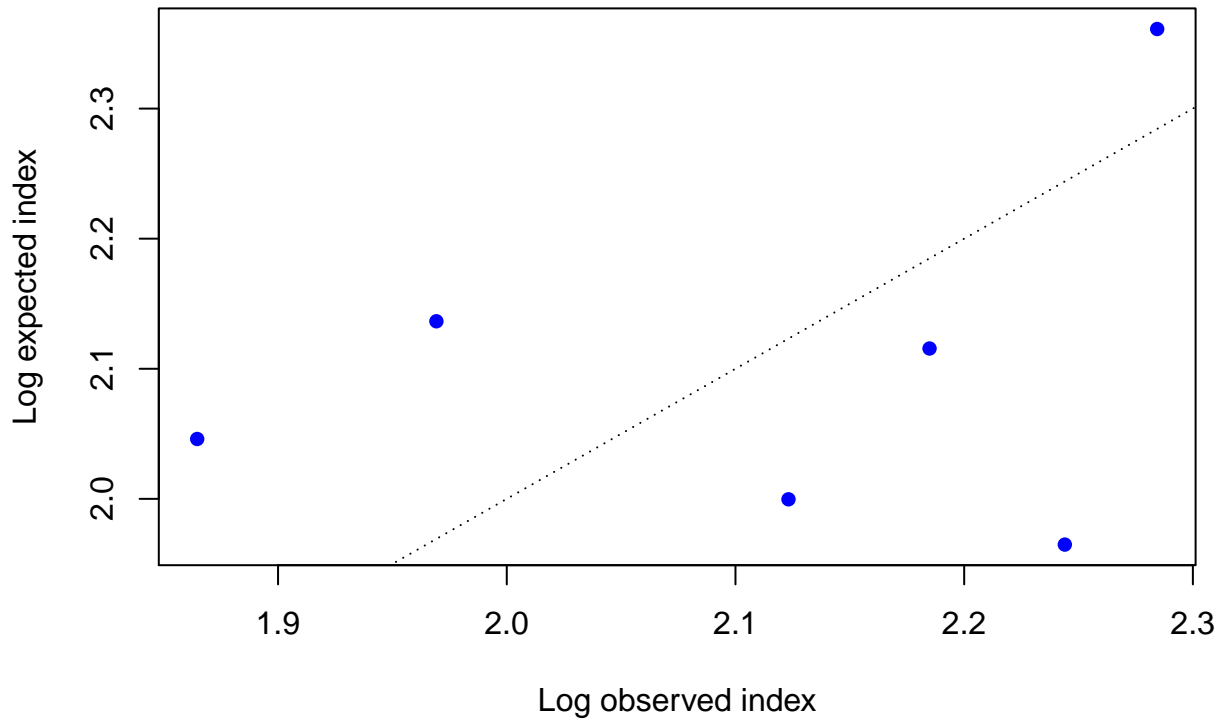


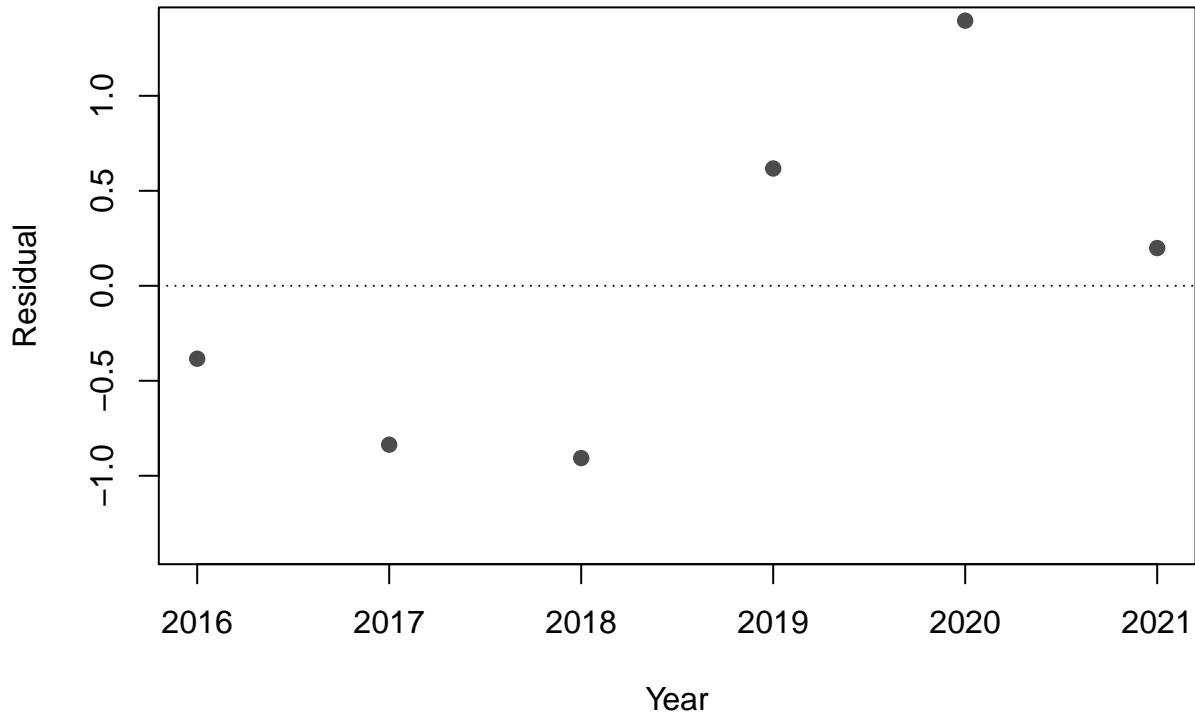




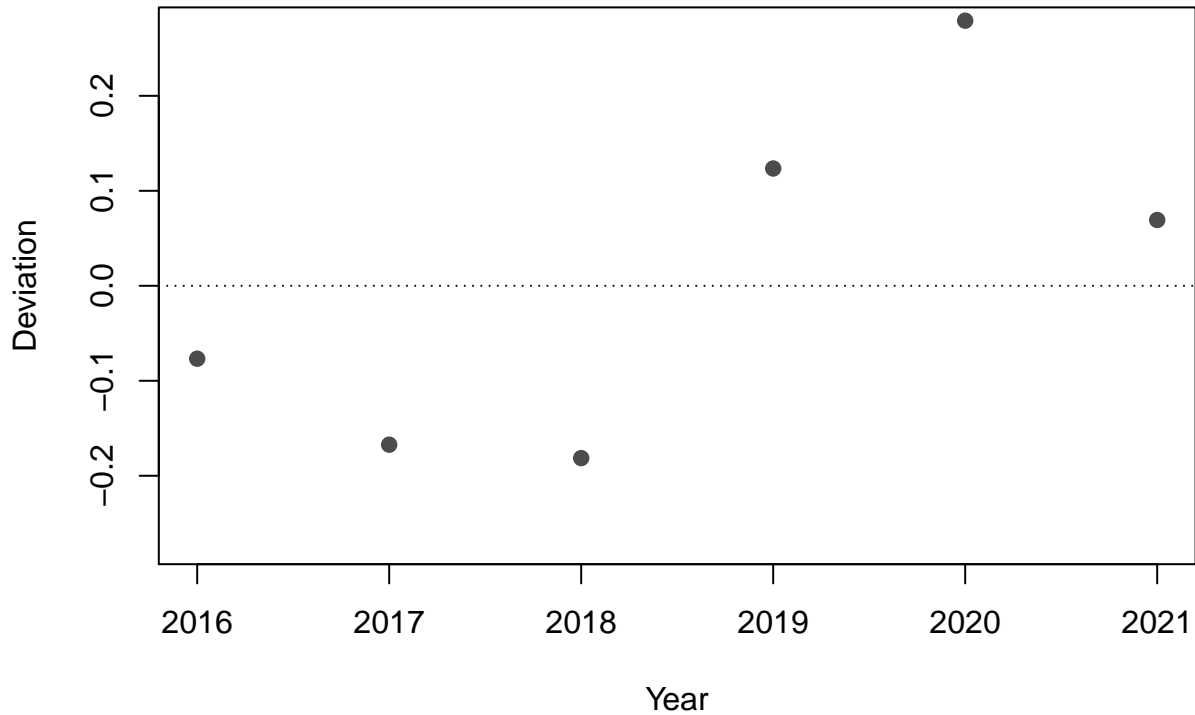




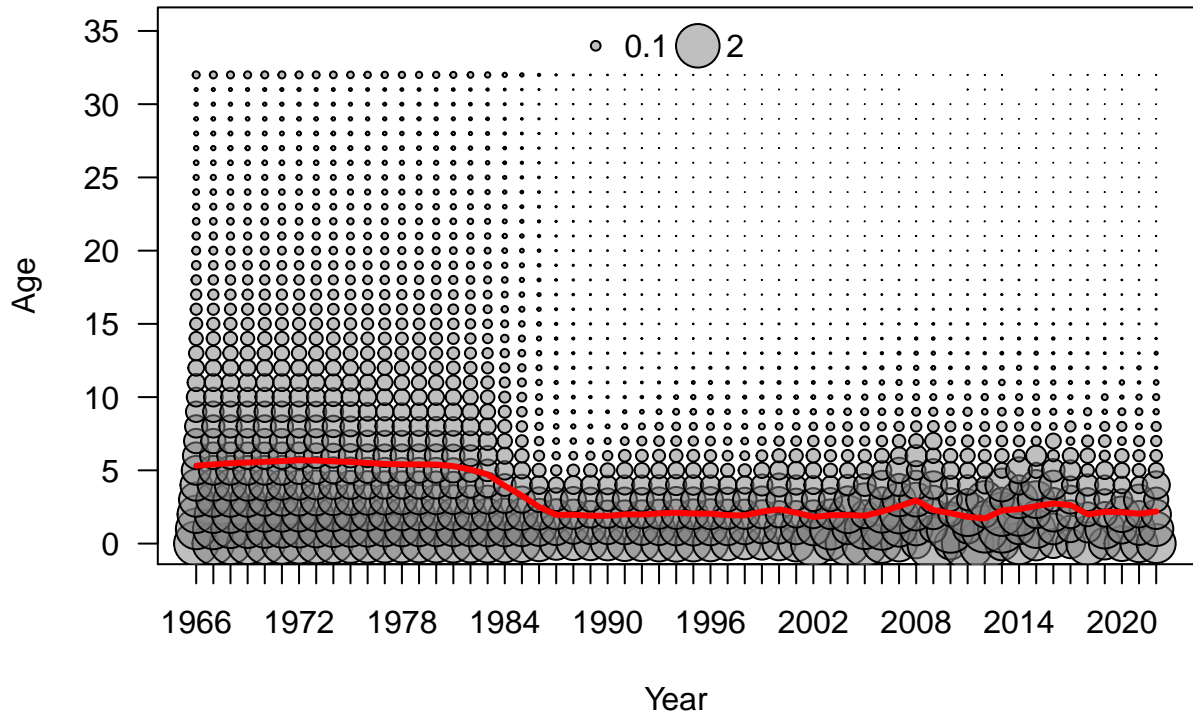


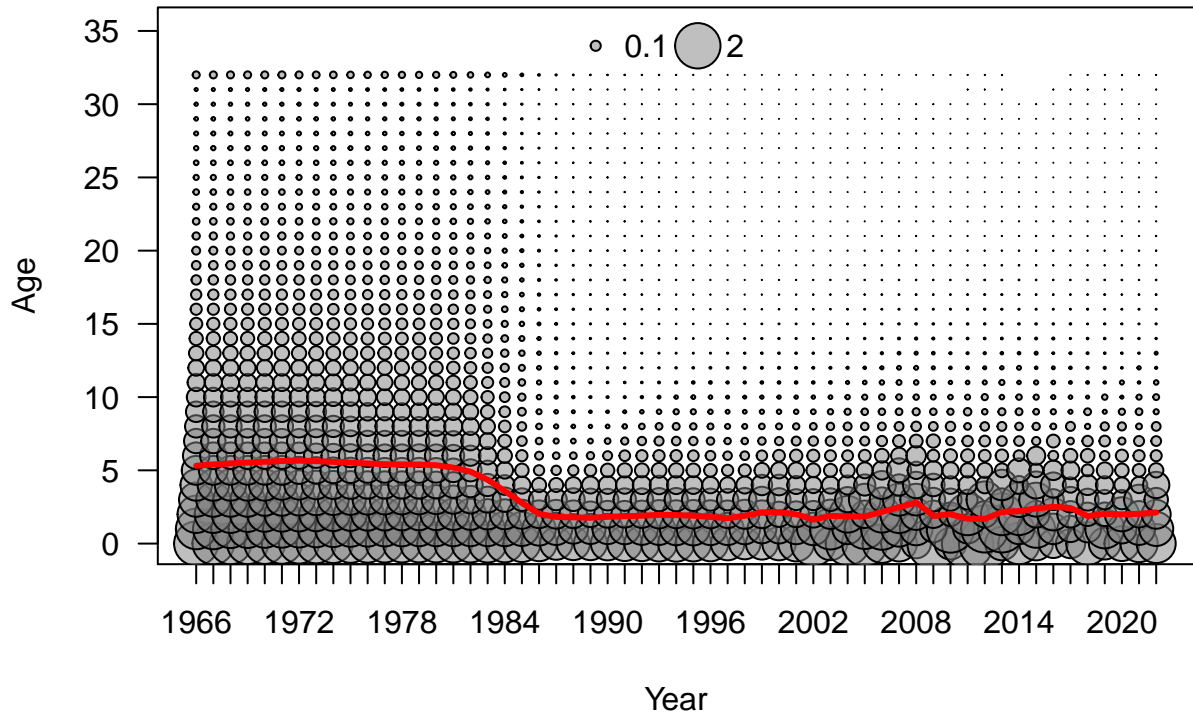


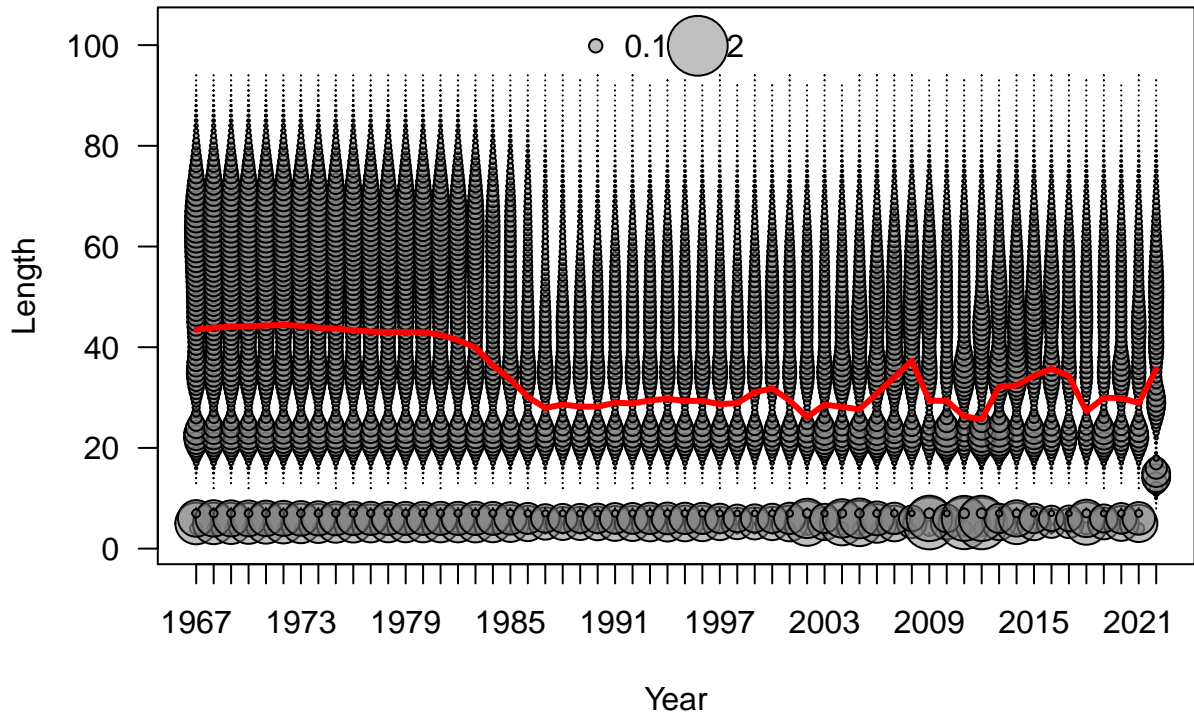


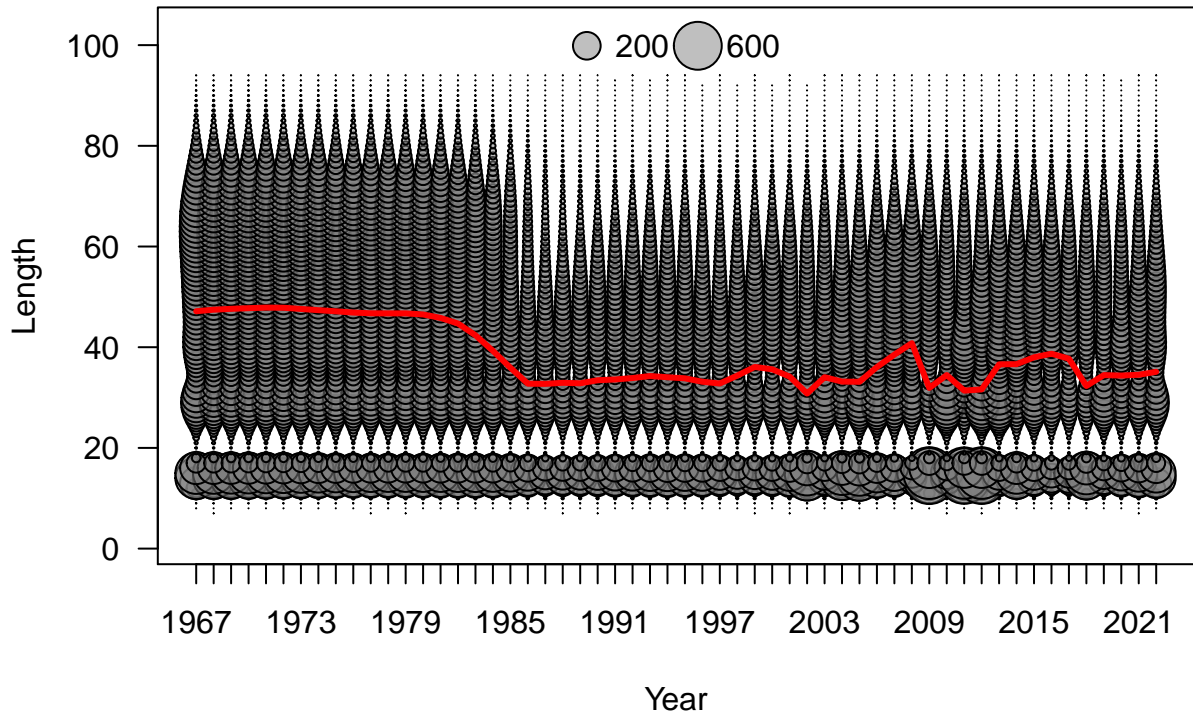




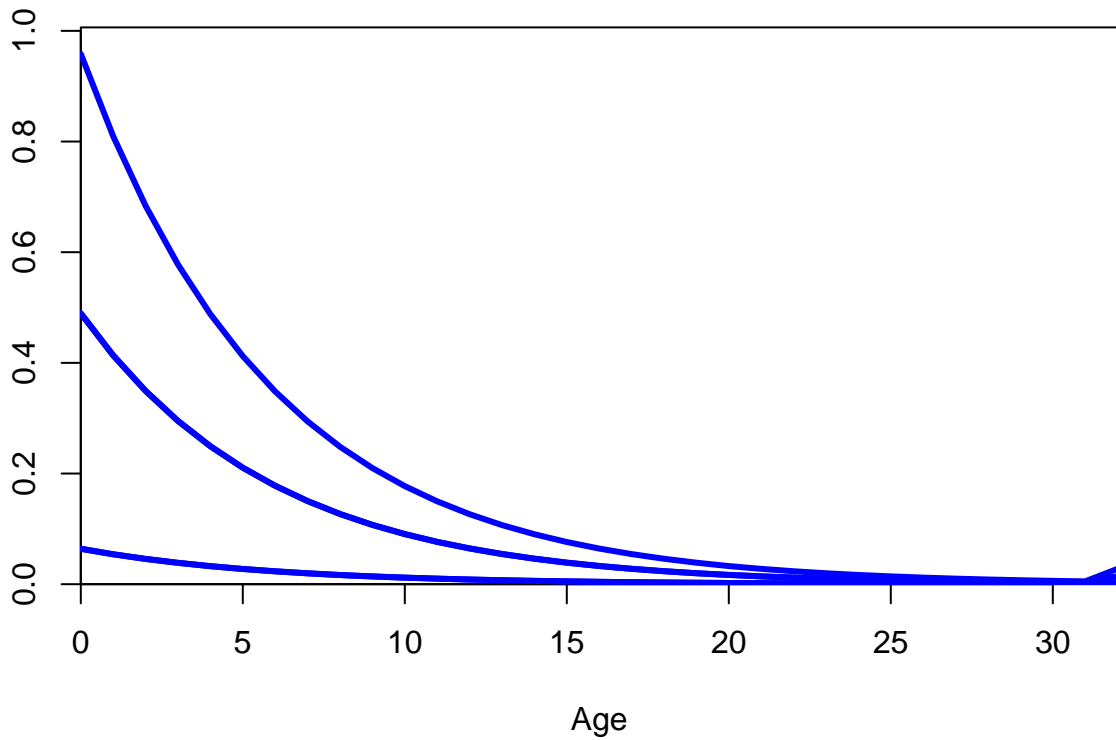


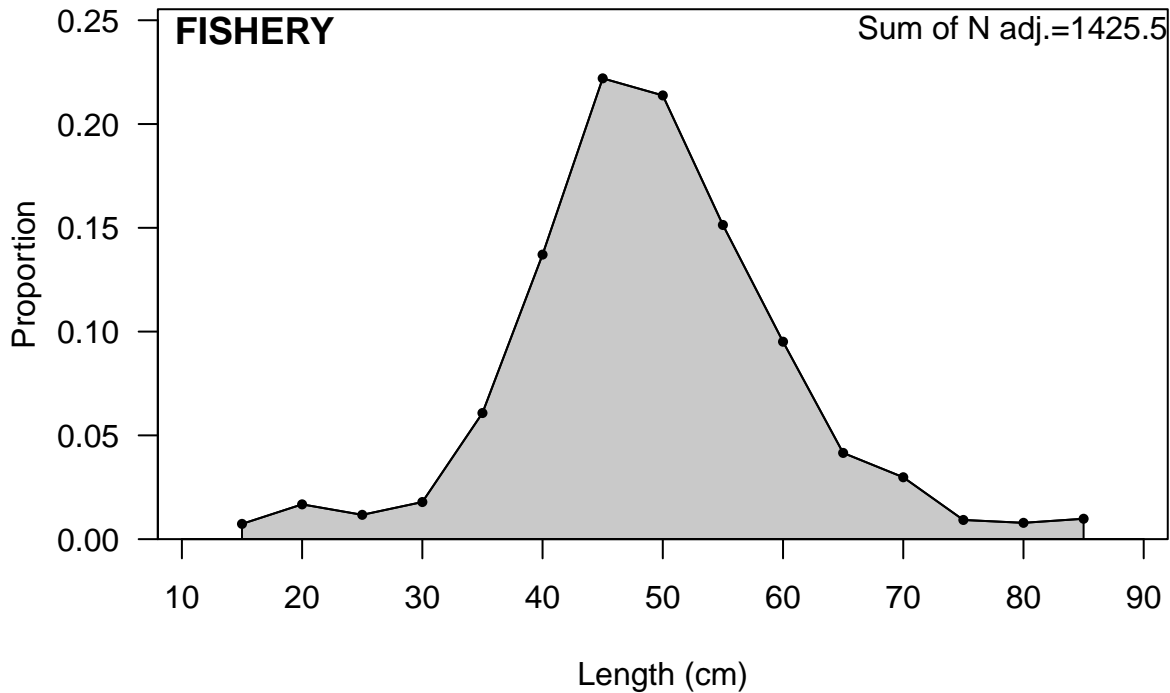






Numbers at age at equilibrium

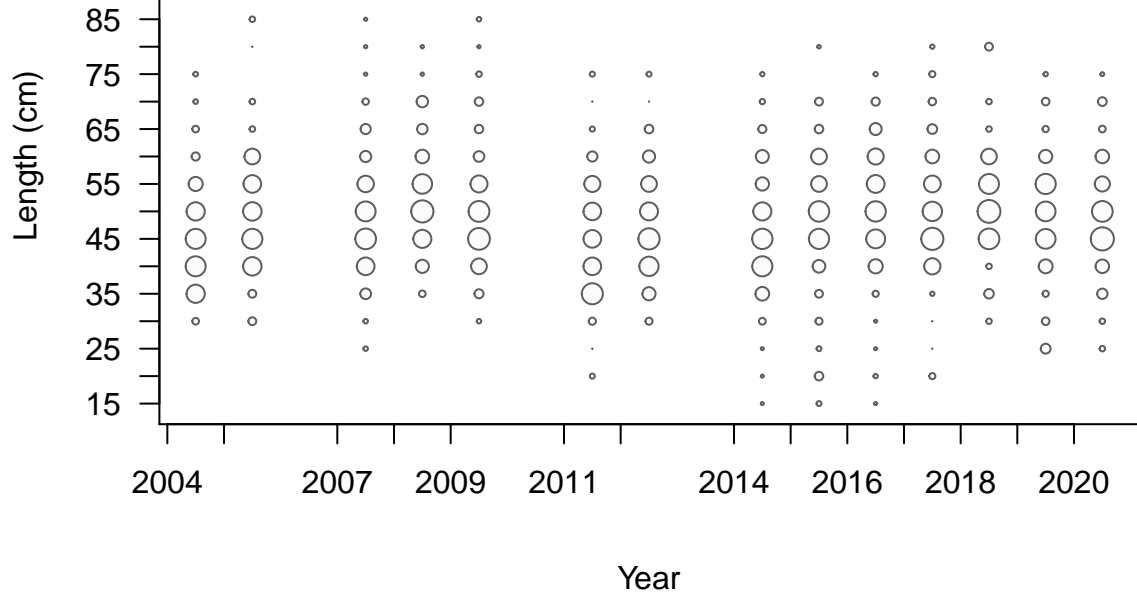




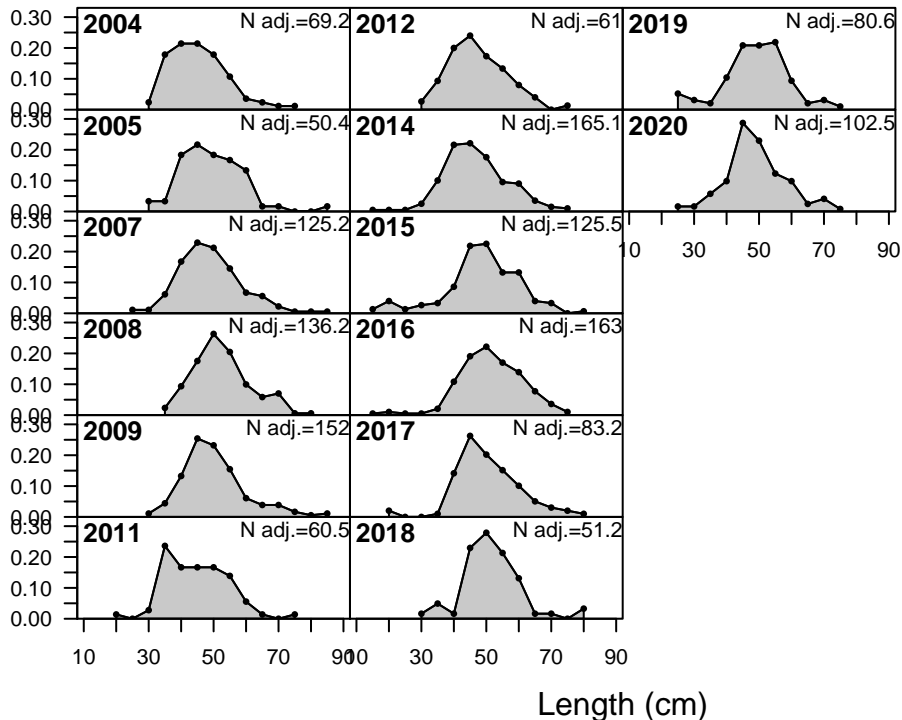


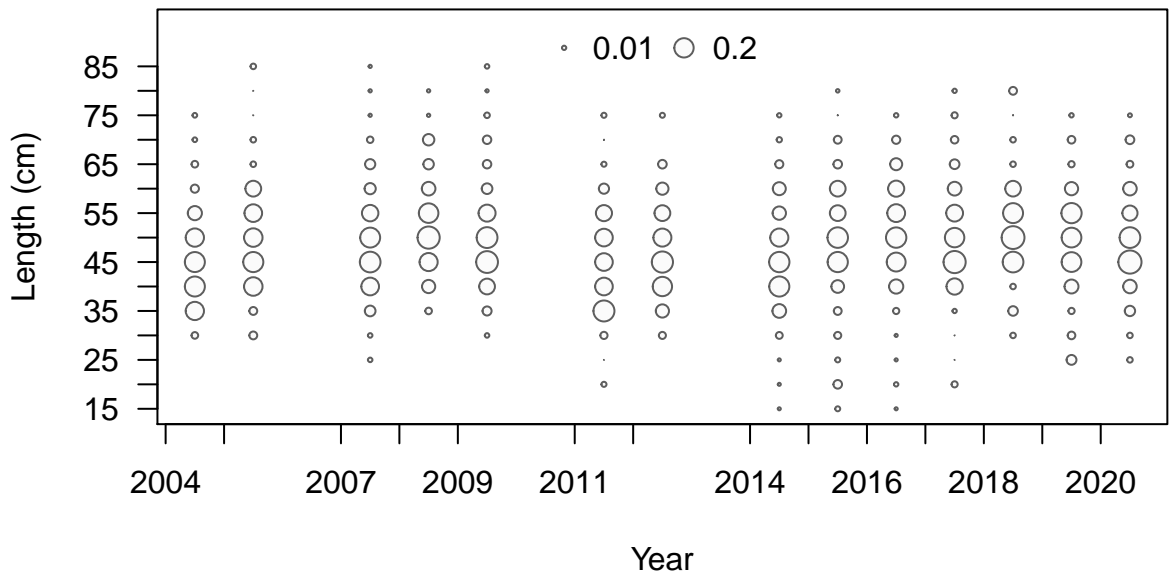
# FISHERY

◦ 0.01 ○ 0.2

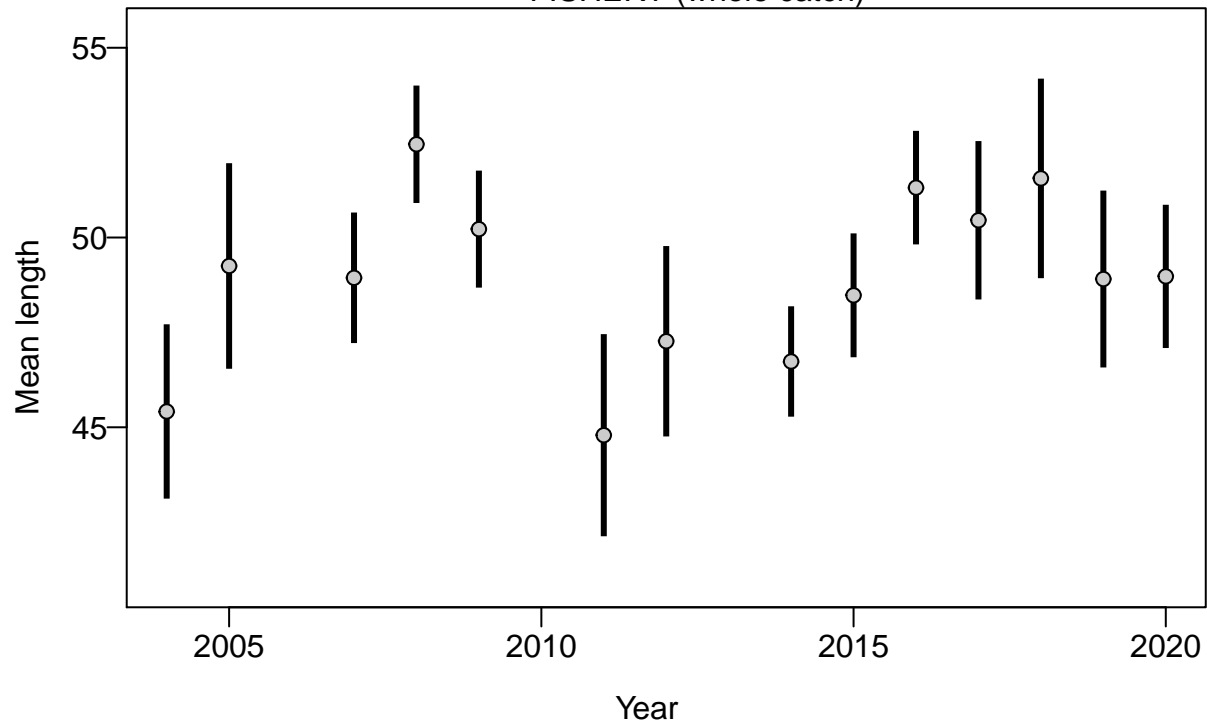


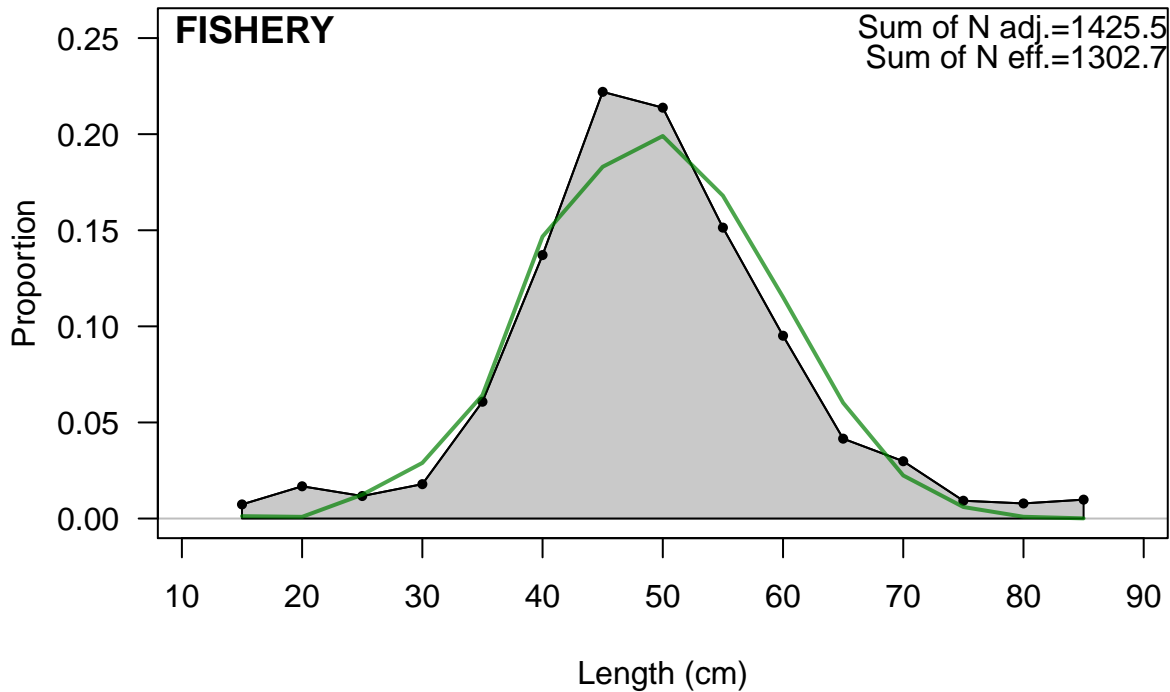
Proportion

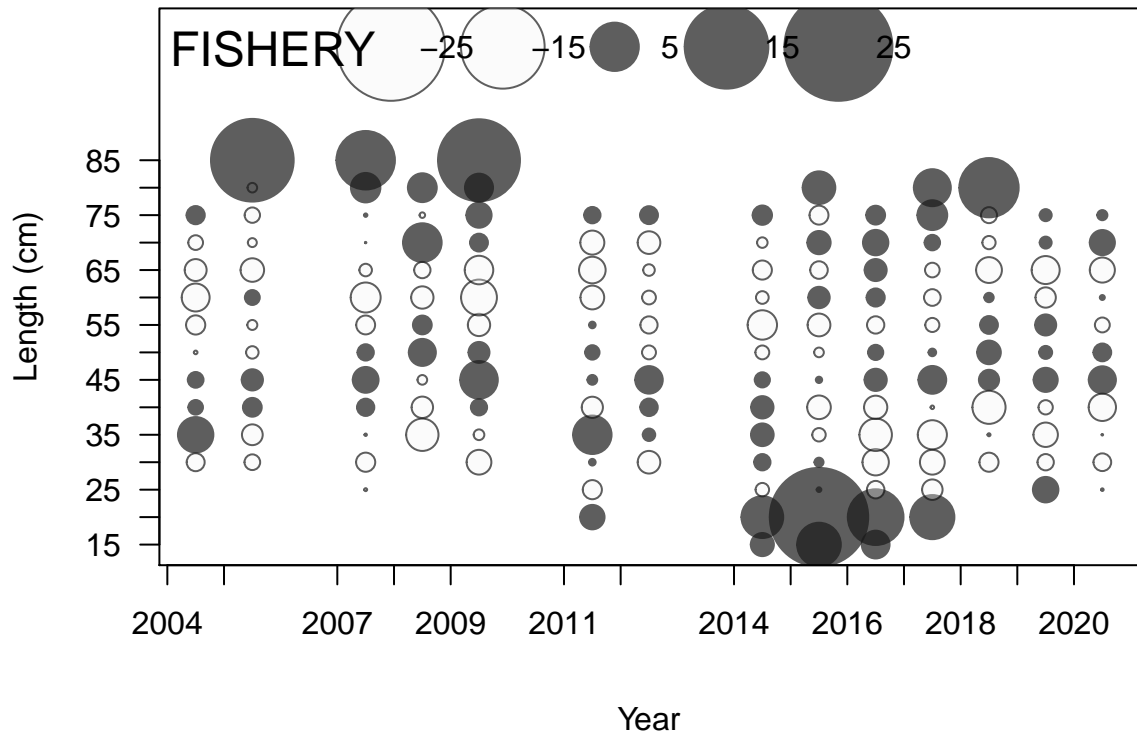




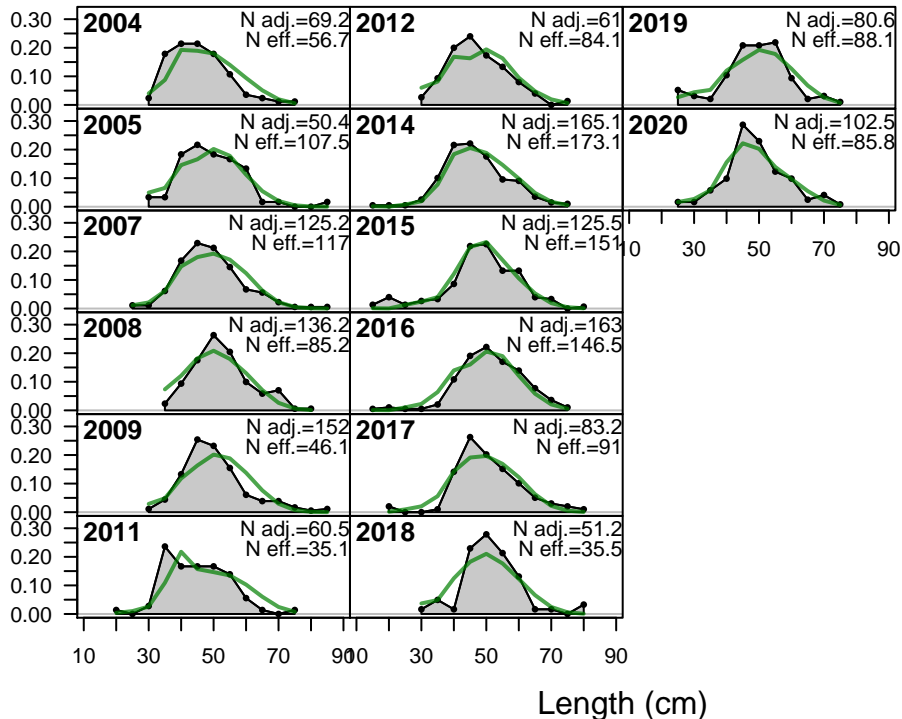
FISHERY (whole catch)

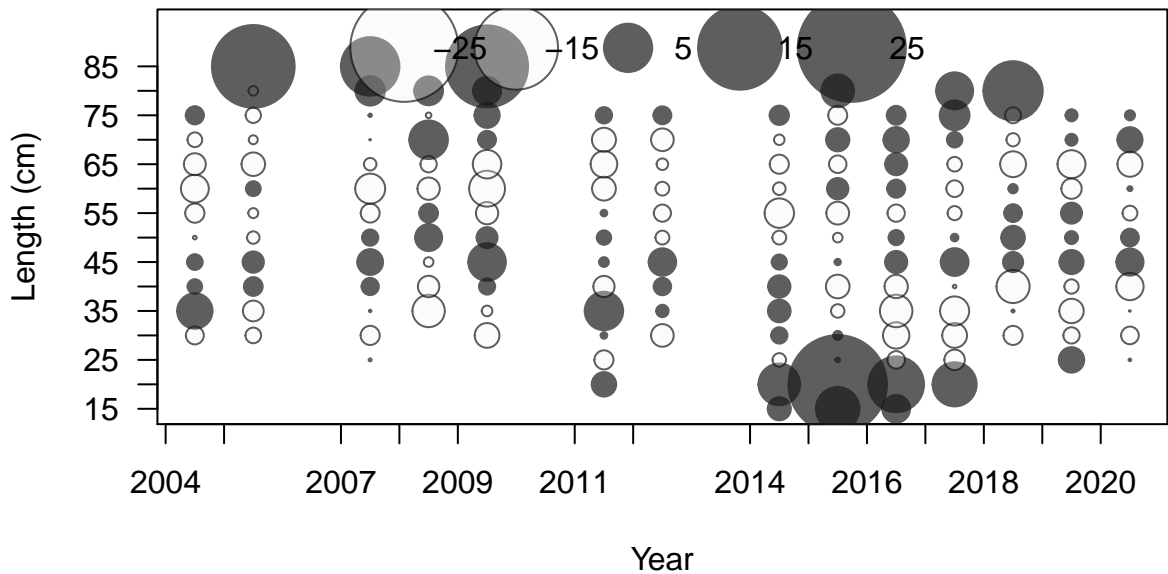






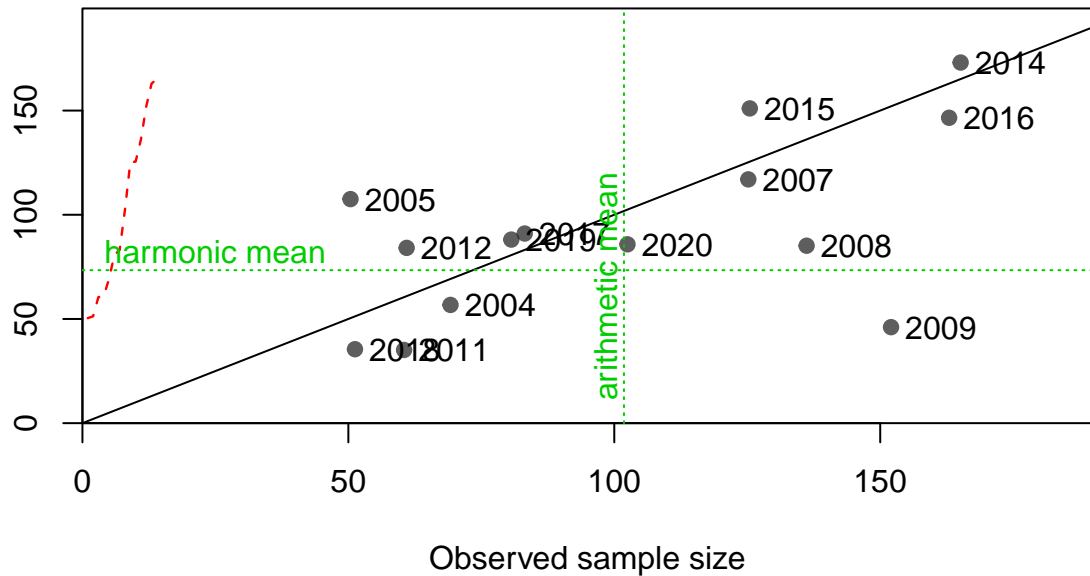
Proportion



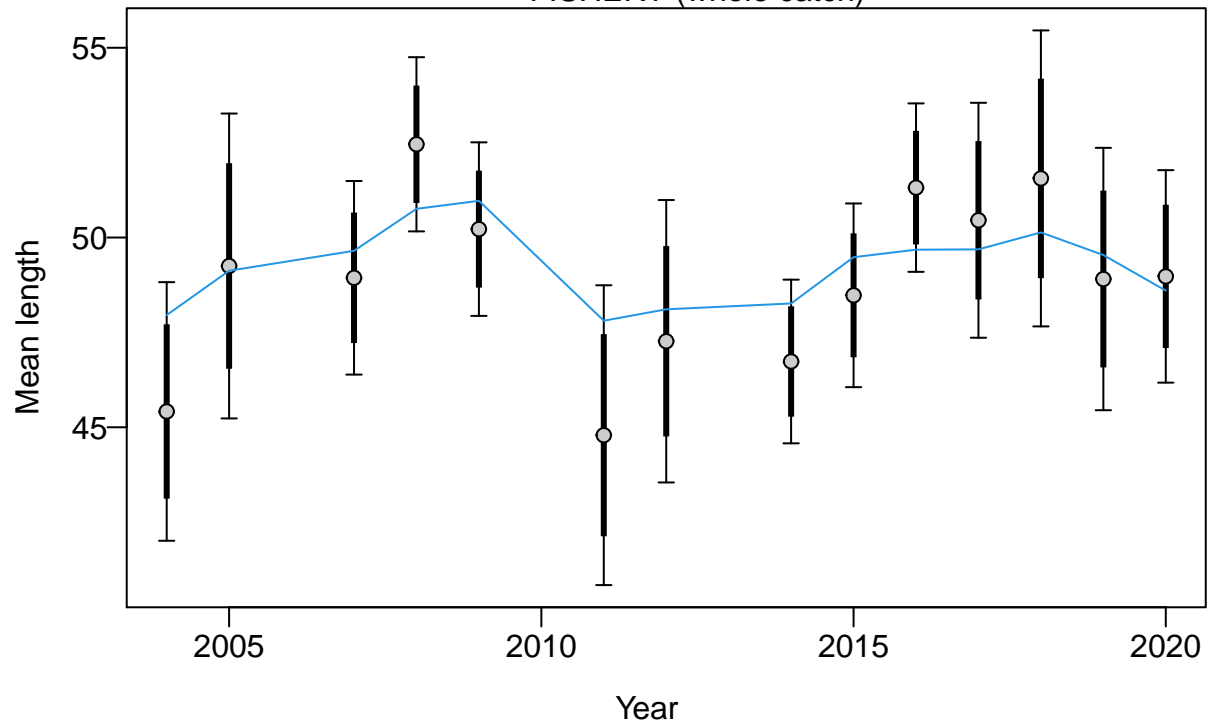


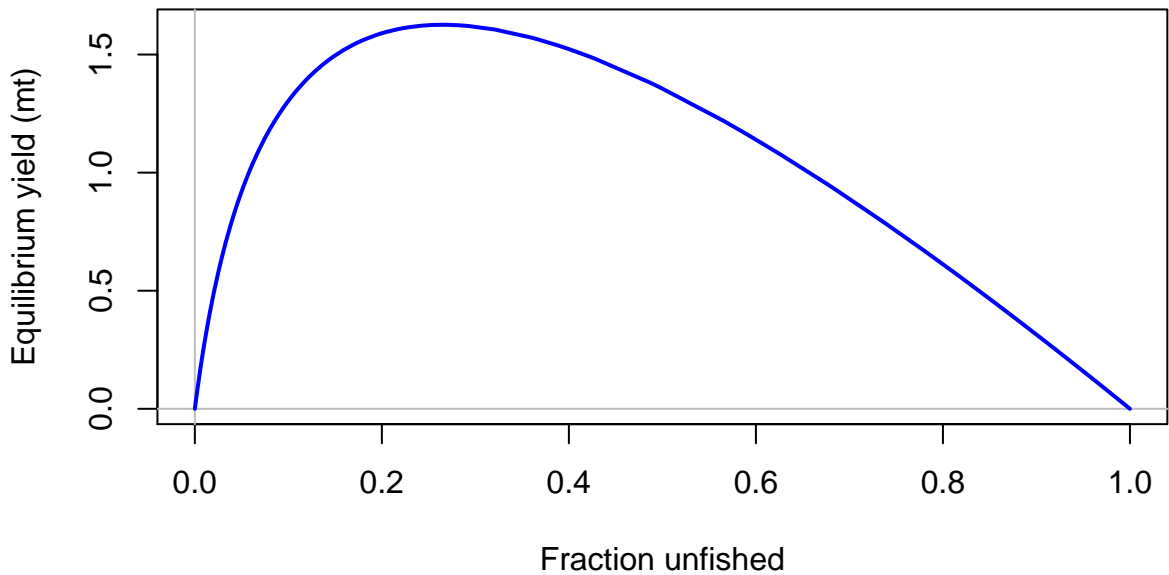


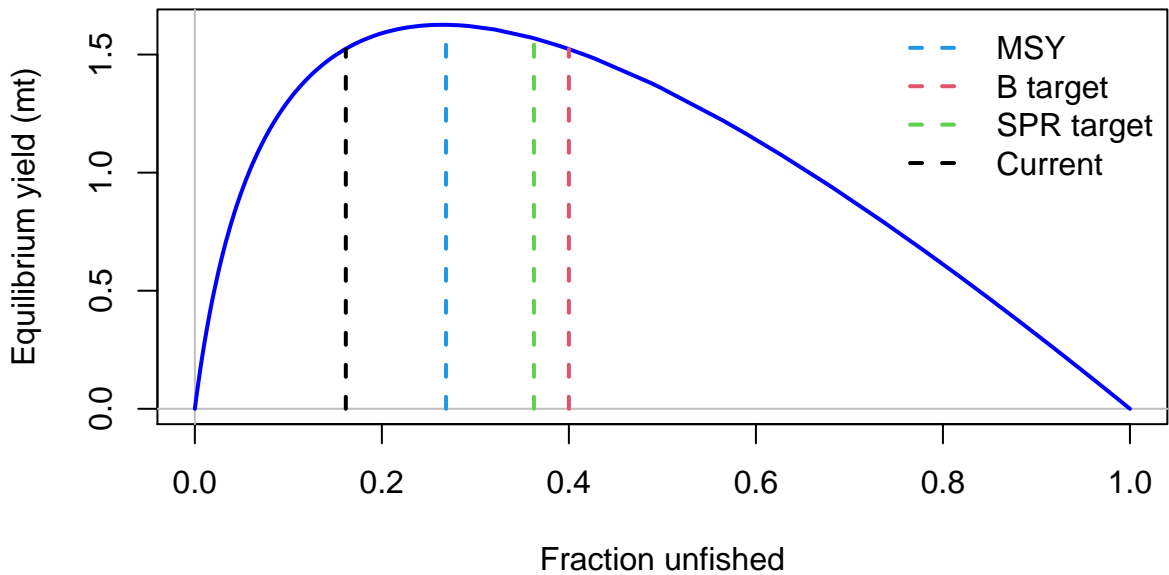
Effective sample size

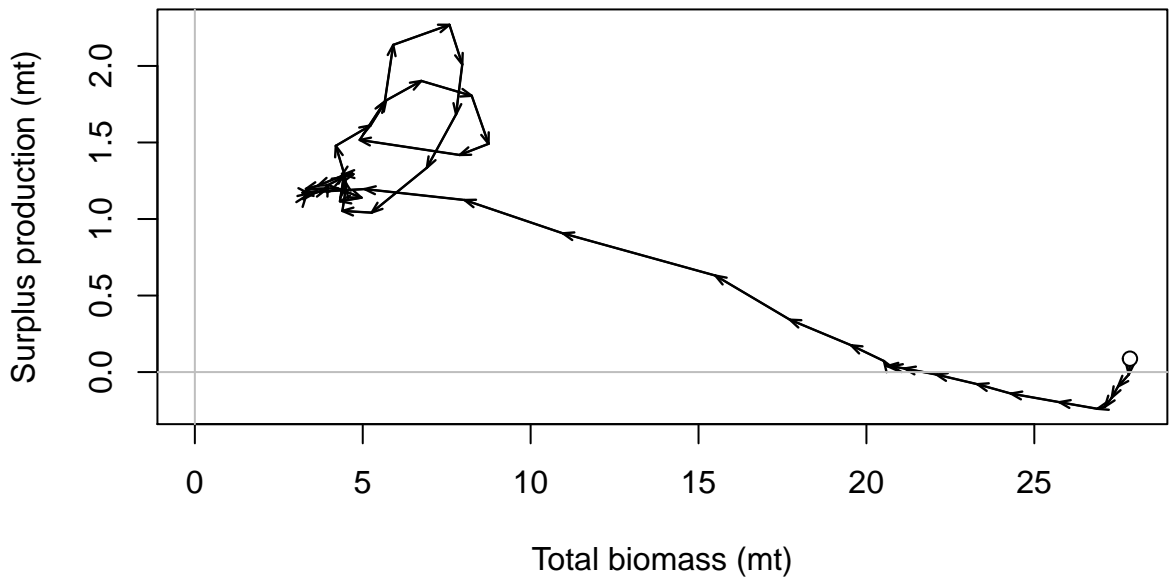


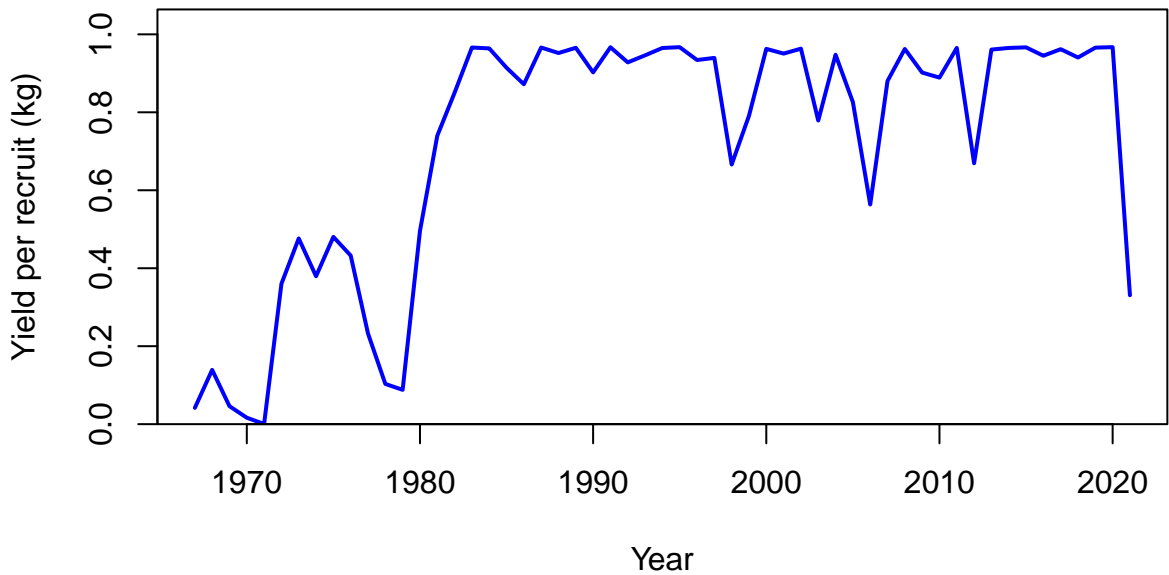
## FISHERY (whole catch)



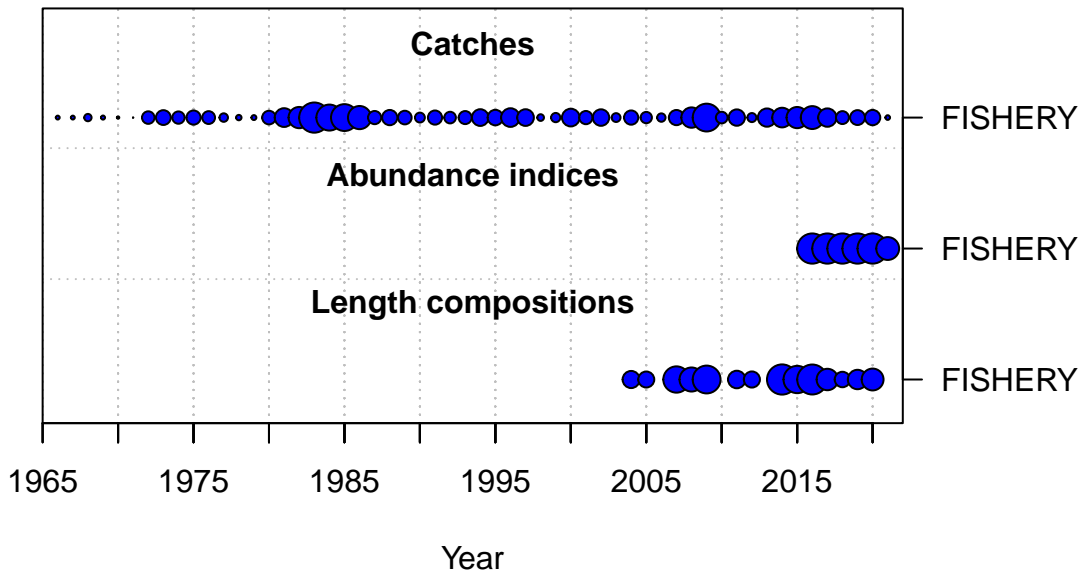










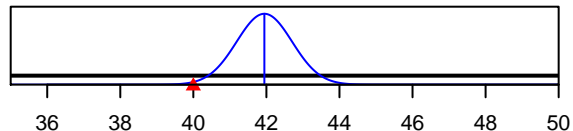




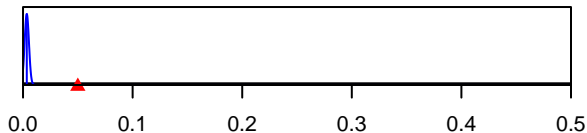
SR\_LN(R0)



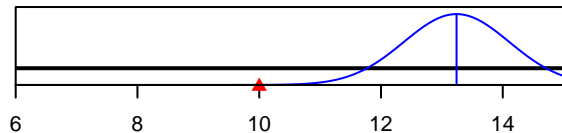
Size\_inflection\_FISHERY(1)



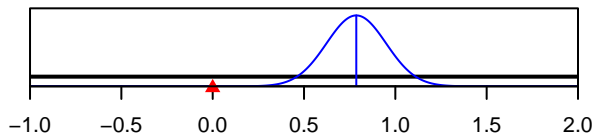
InitF\_seas\_1\_flt\_1FISHERY



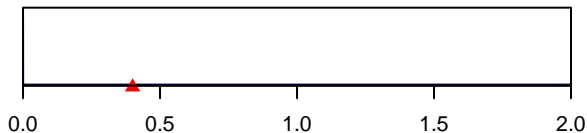
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value