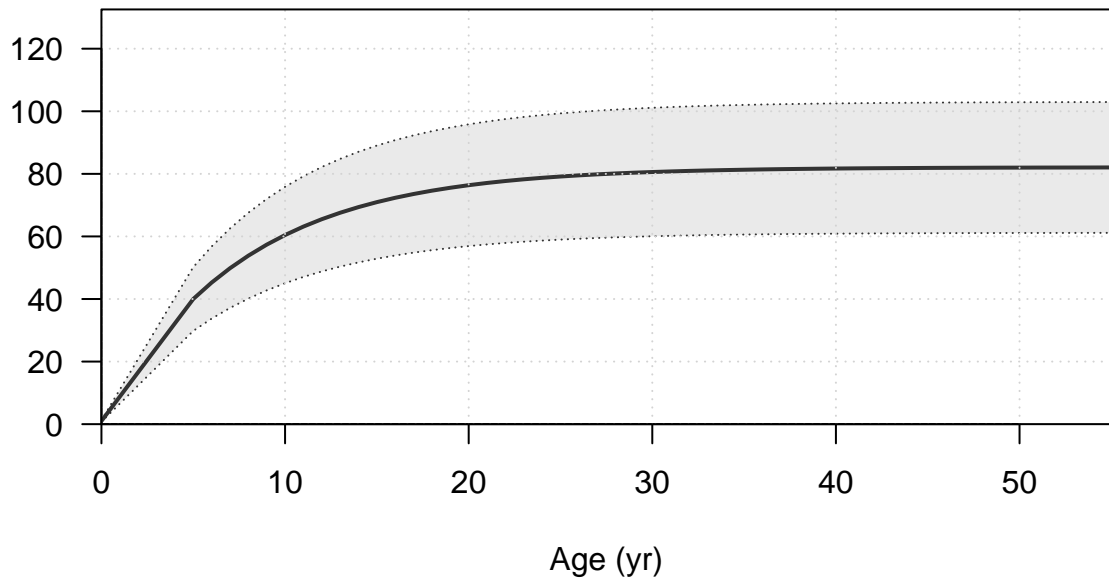
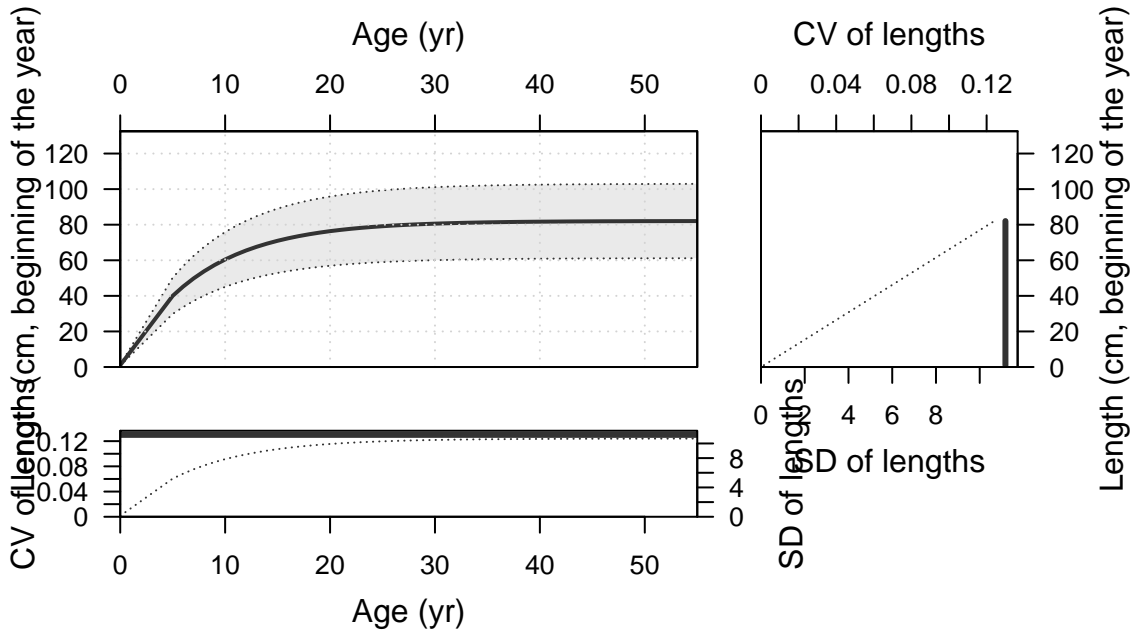
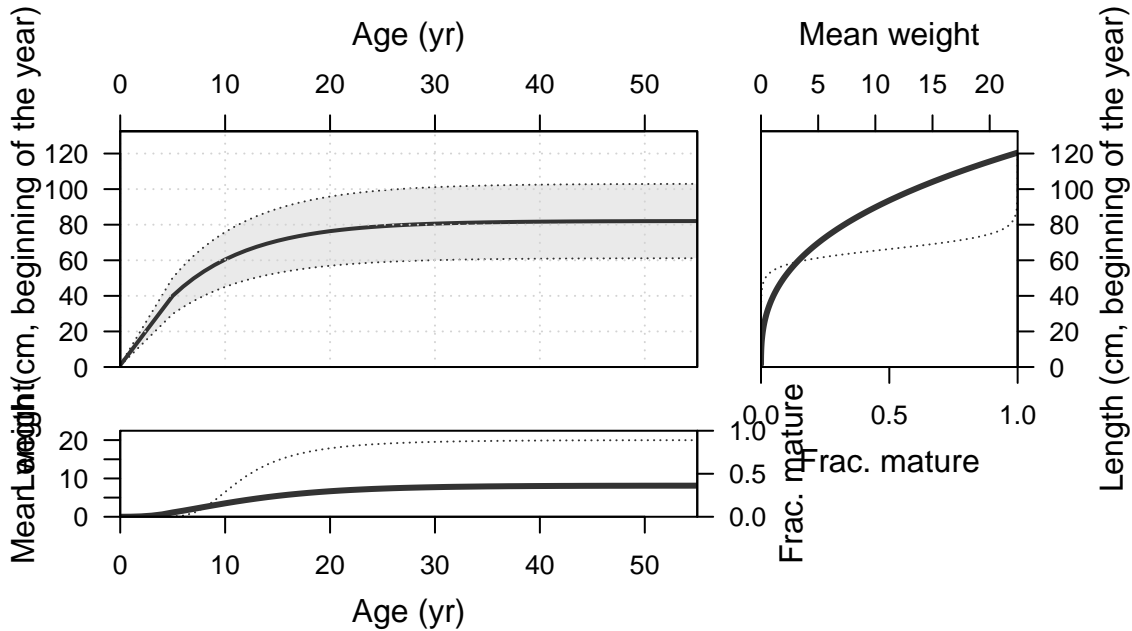


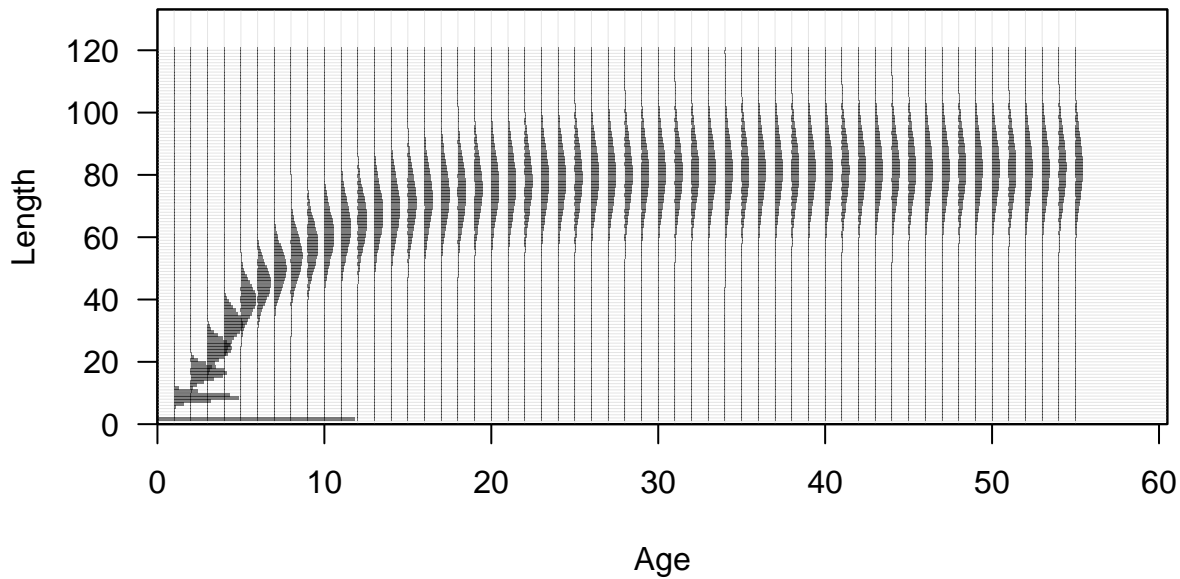
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Wed Jun 29 12:07:53 2022
Data_File: data.ss
Control_File: control.ss

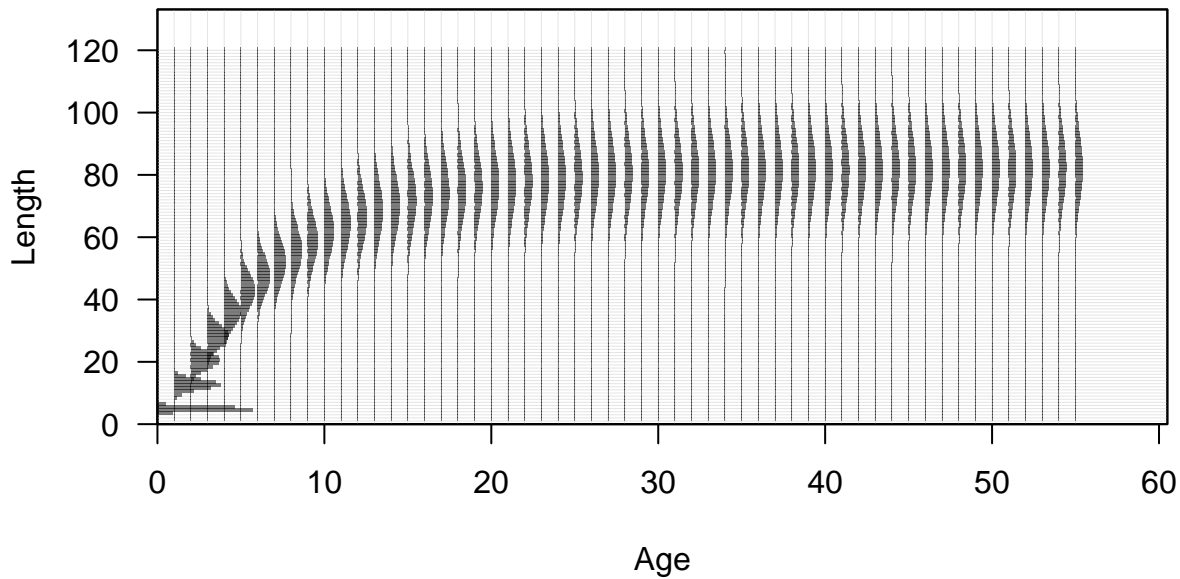
Length (cm, beginning of the year)



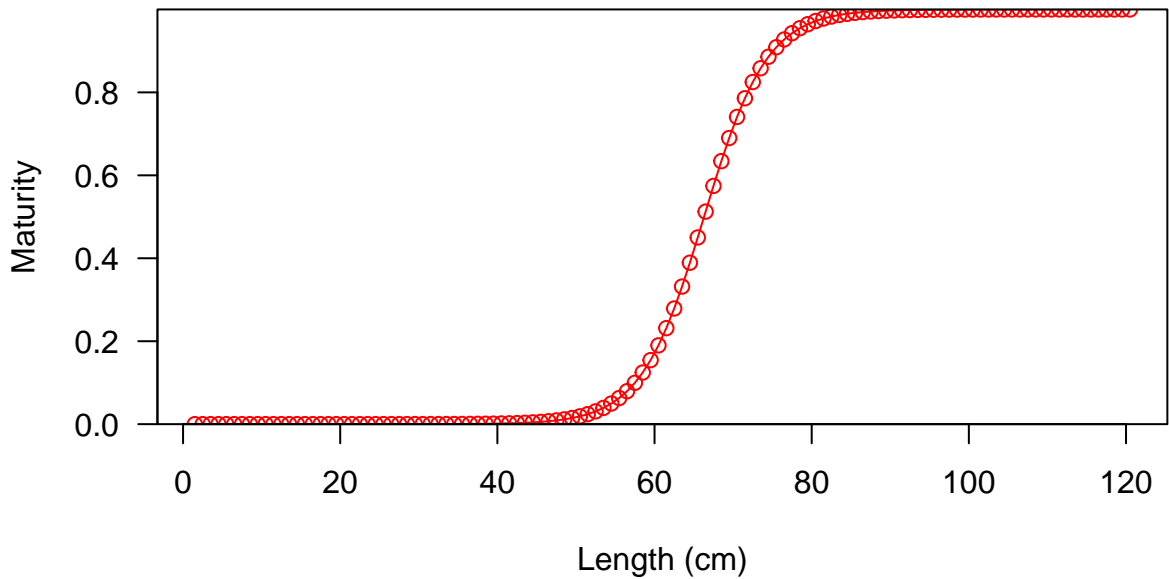






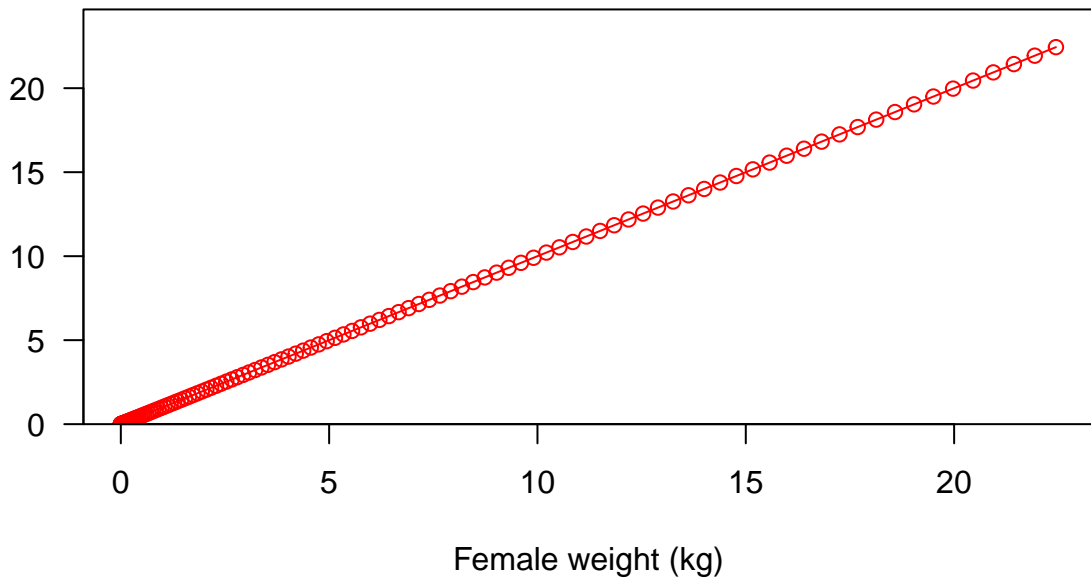






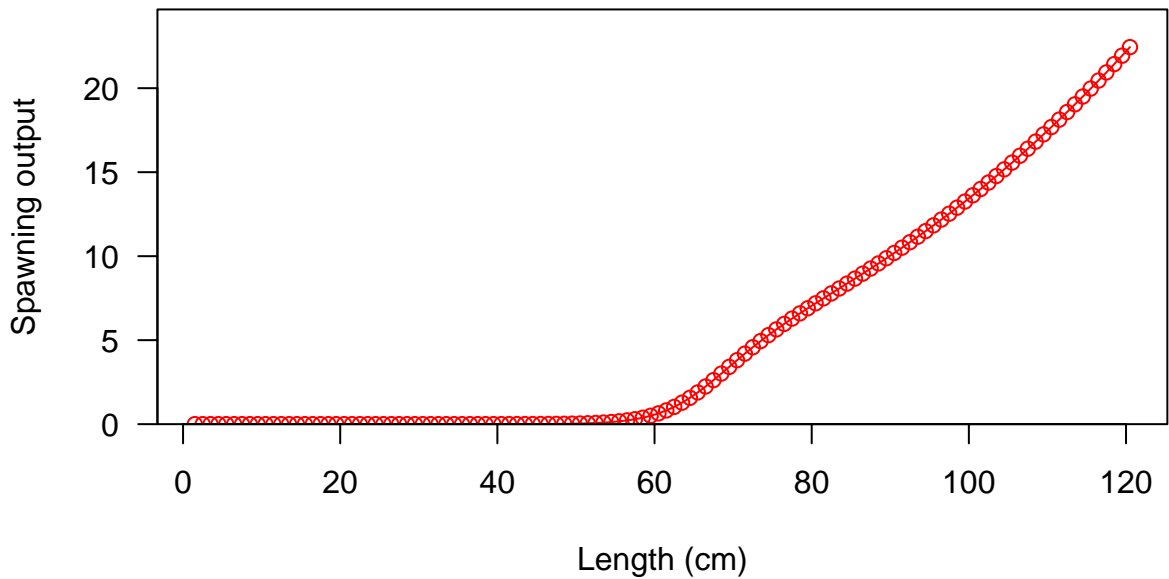


Fecundity

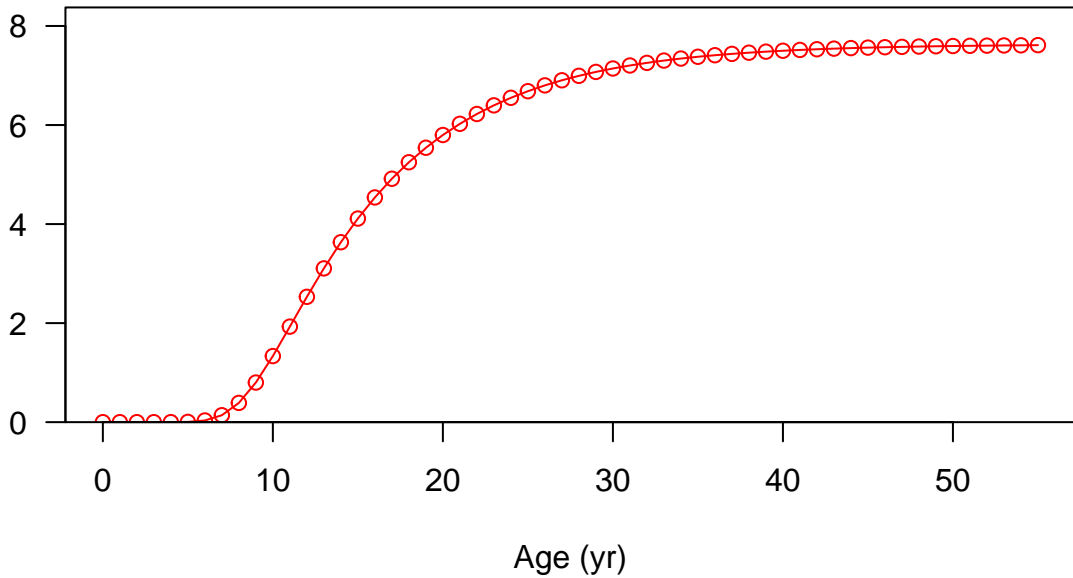


Fecundity

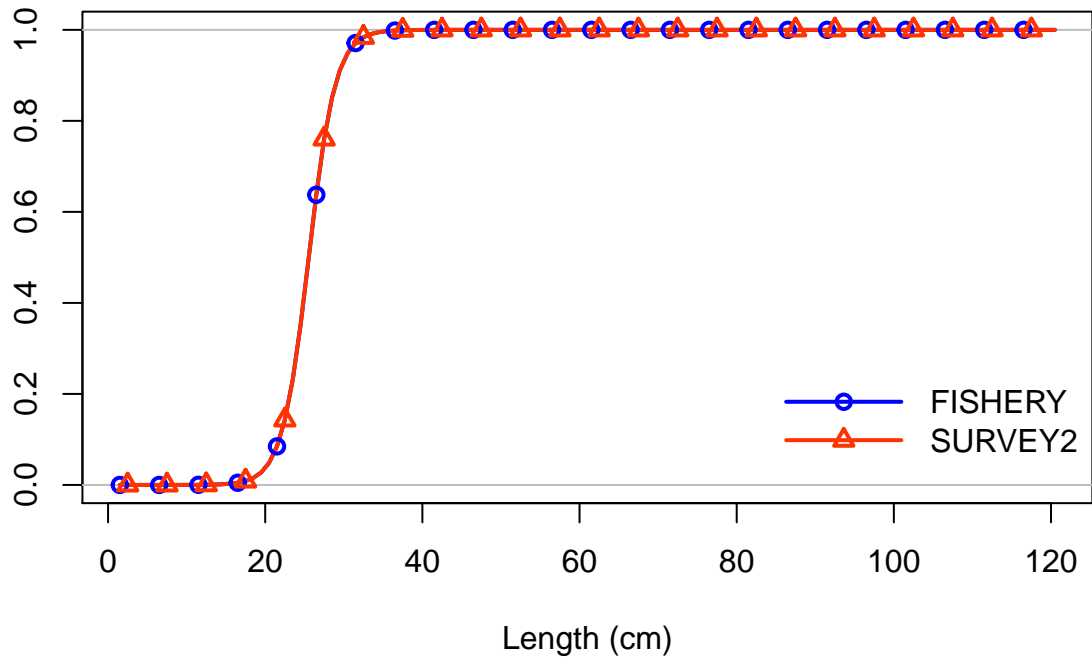




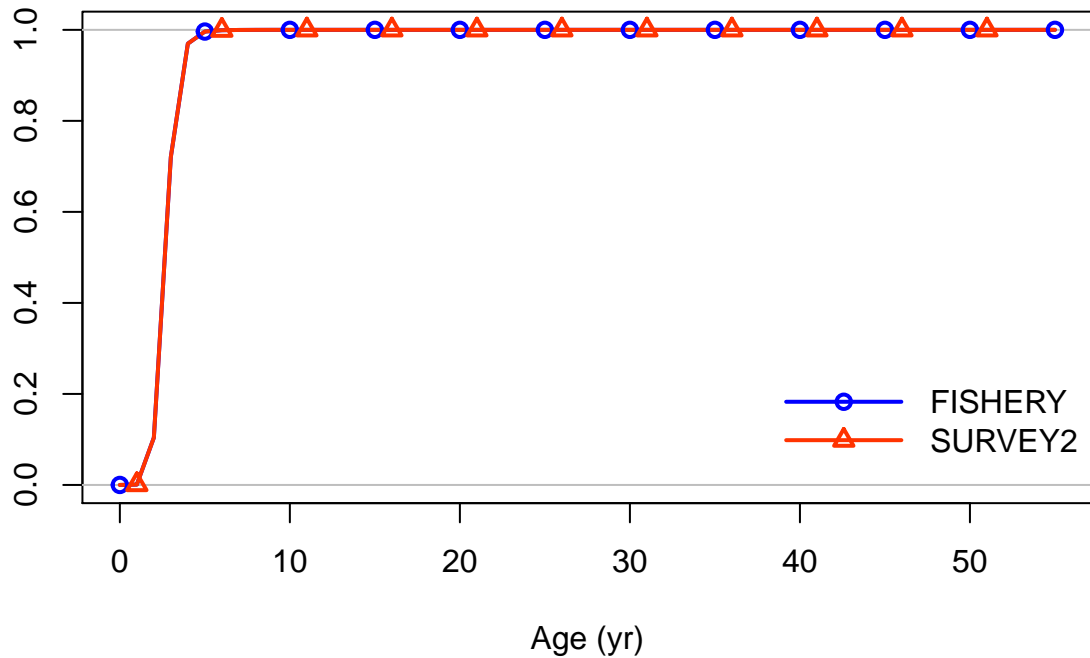
Spawning output



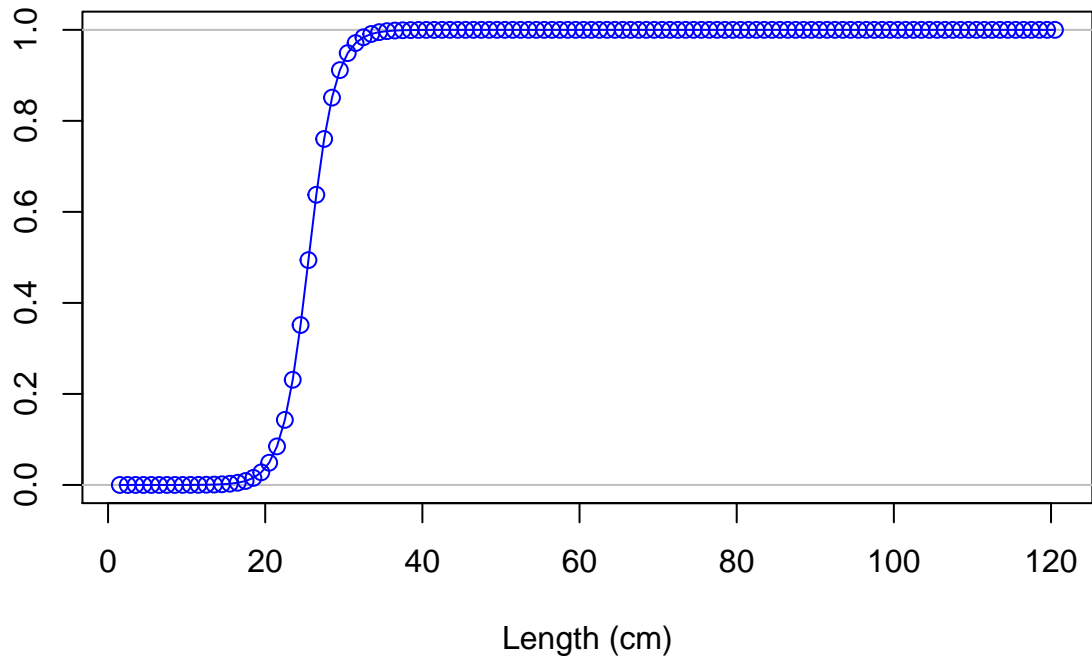
Selectivity



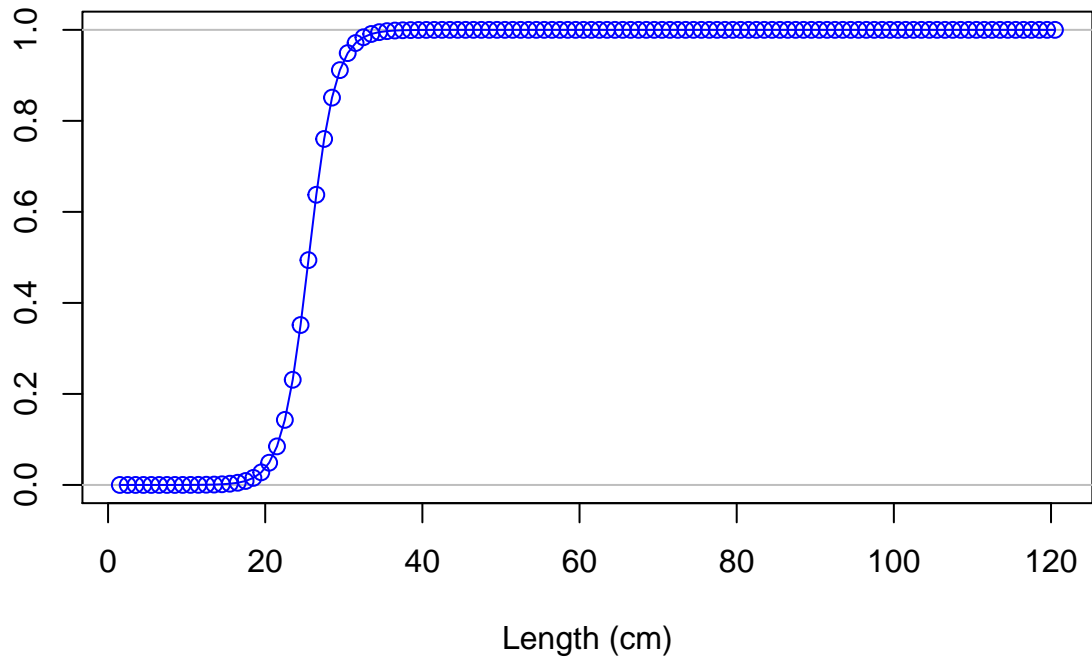
Selectivity

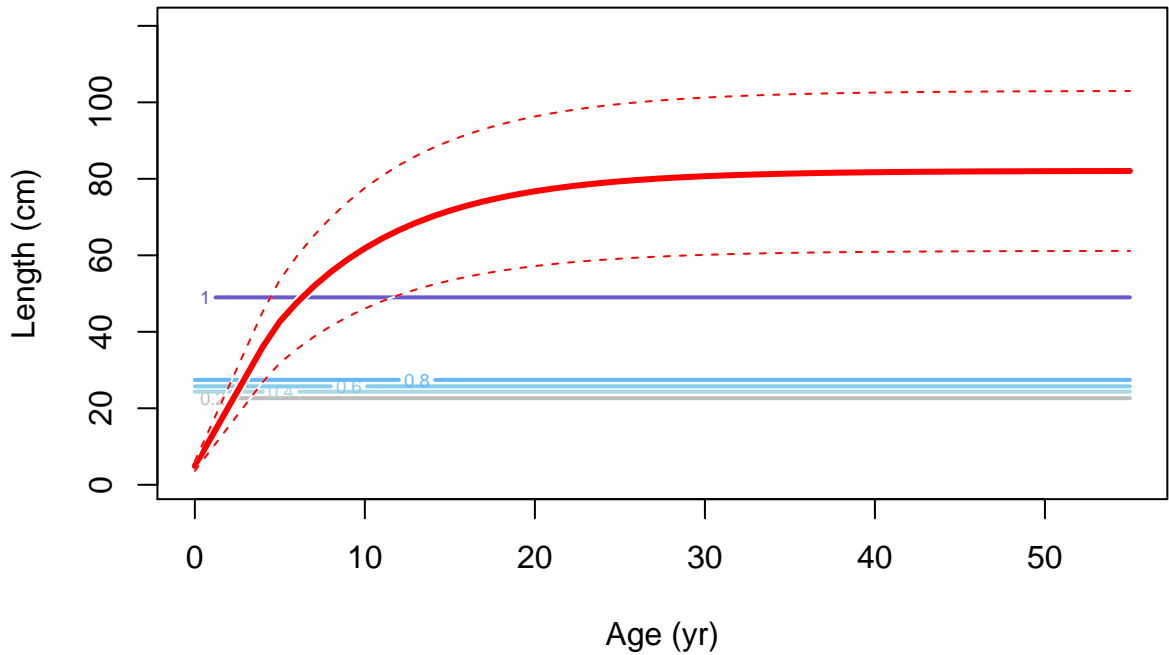


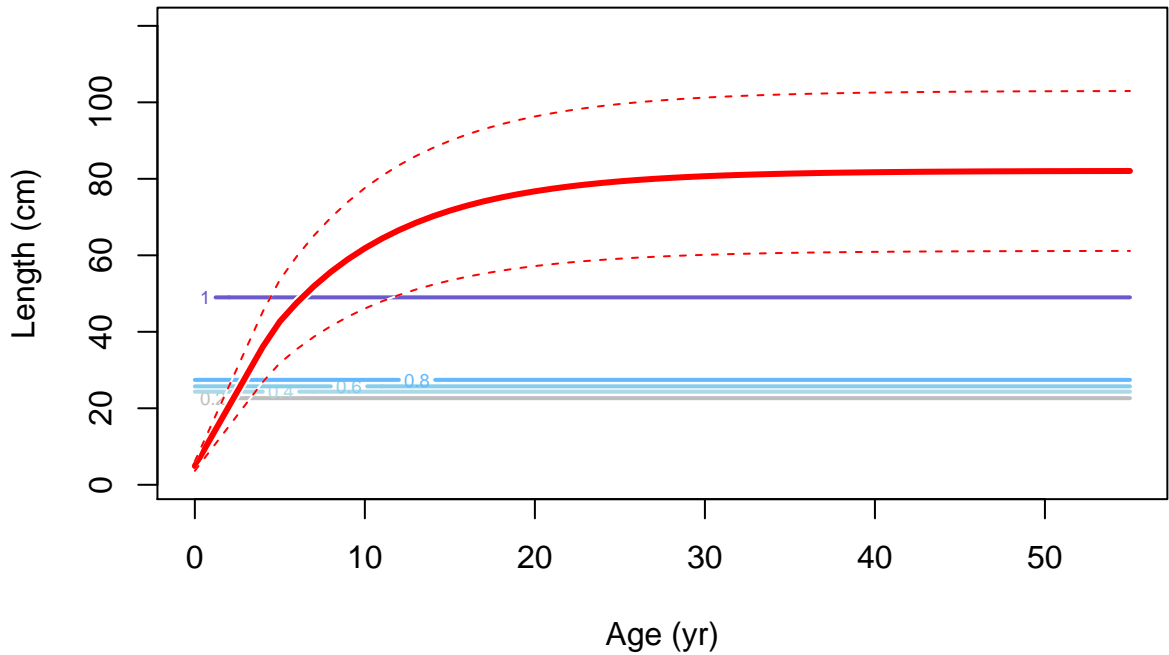
Selectivity

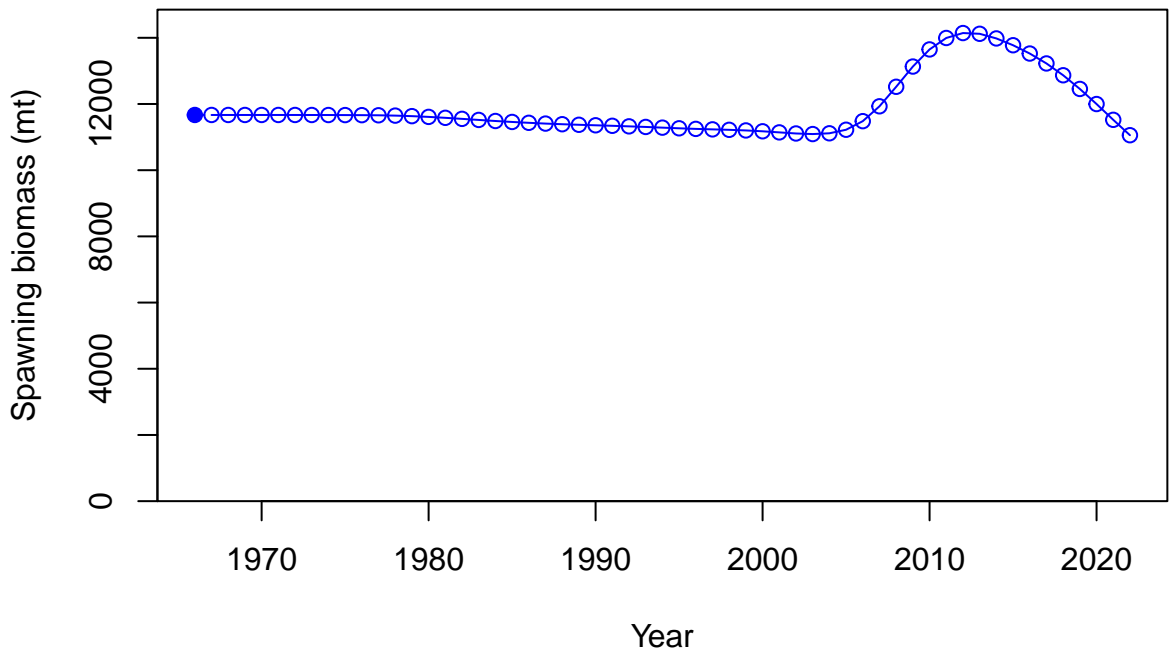


Selectivity

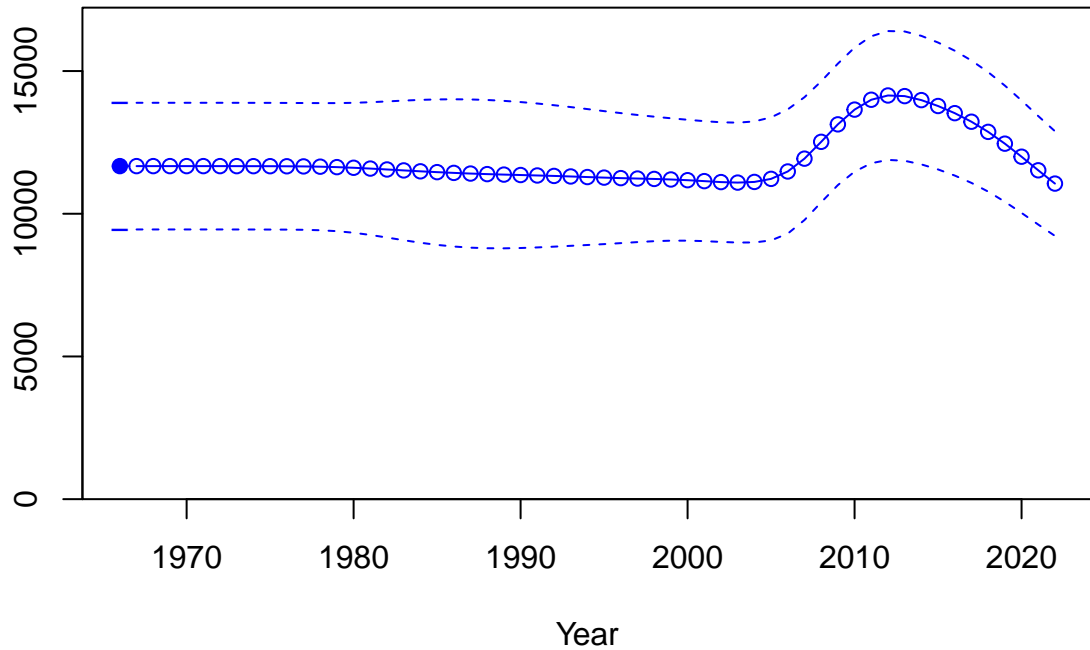




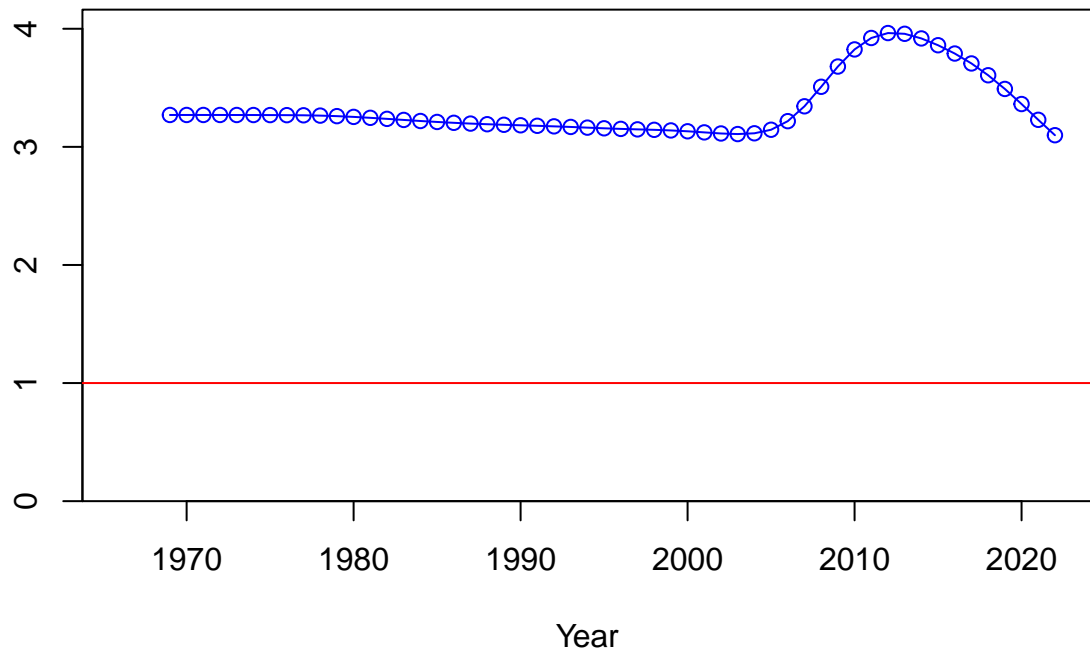




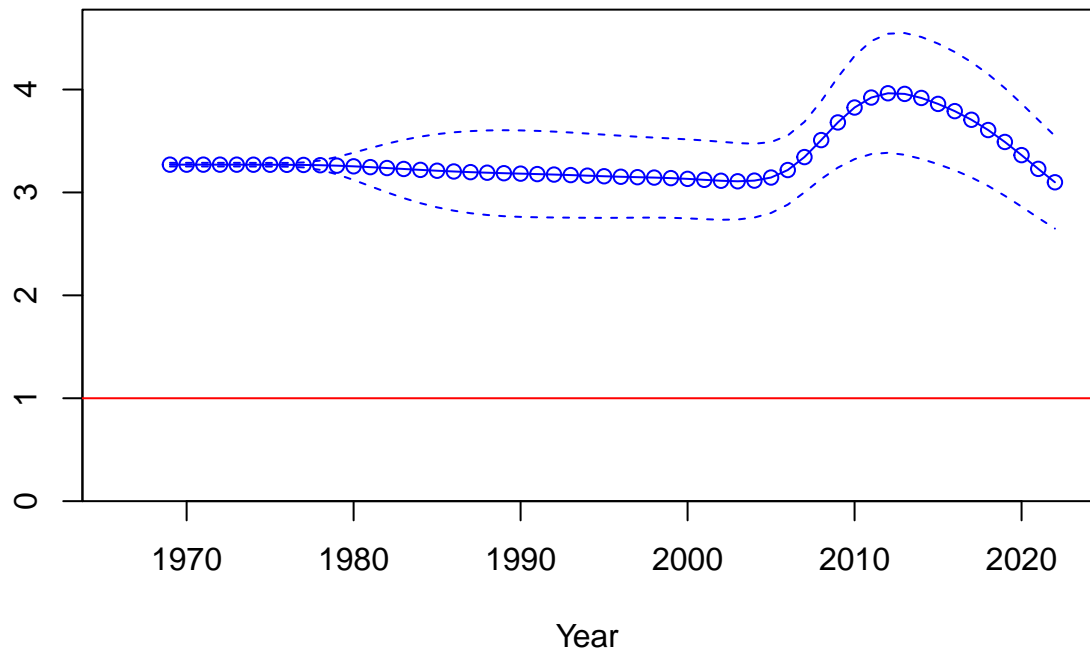
Spawning biomass (mt)

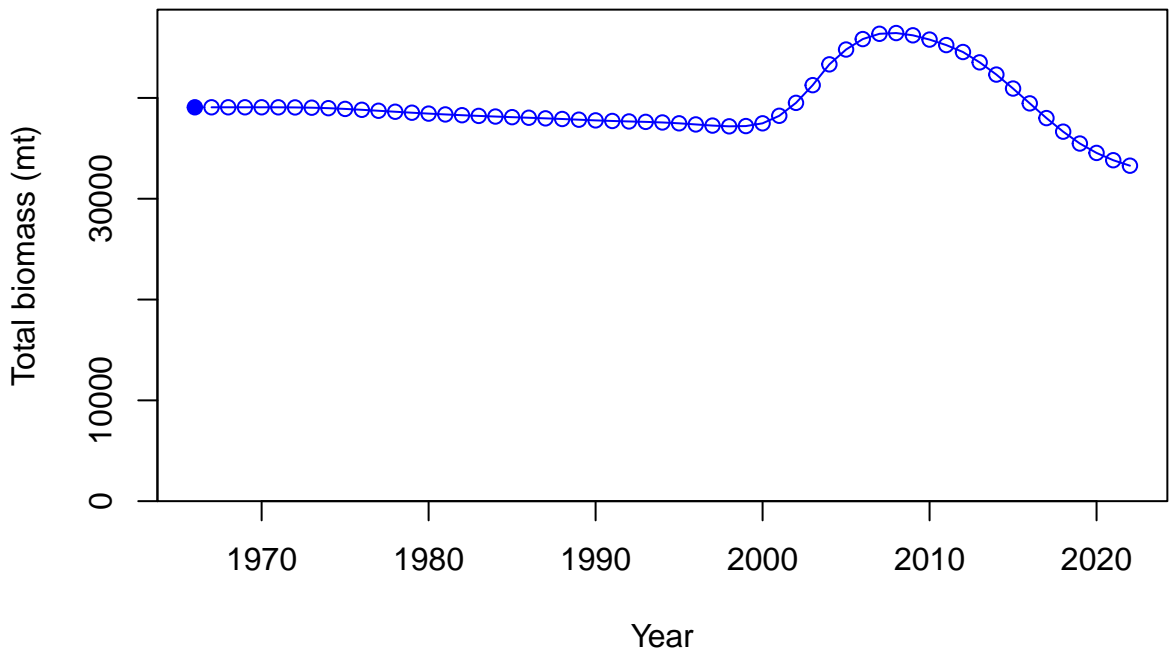


Relative spawning biomass: B/B_{MSY}

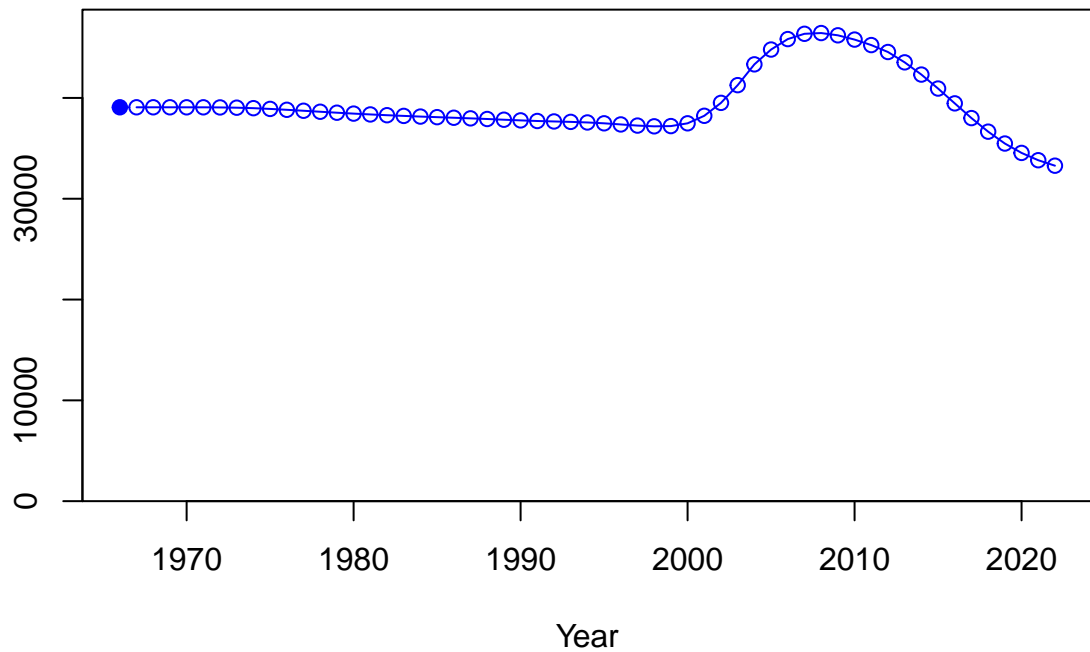


Relative spawning biomass: B/B_{MSY}

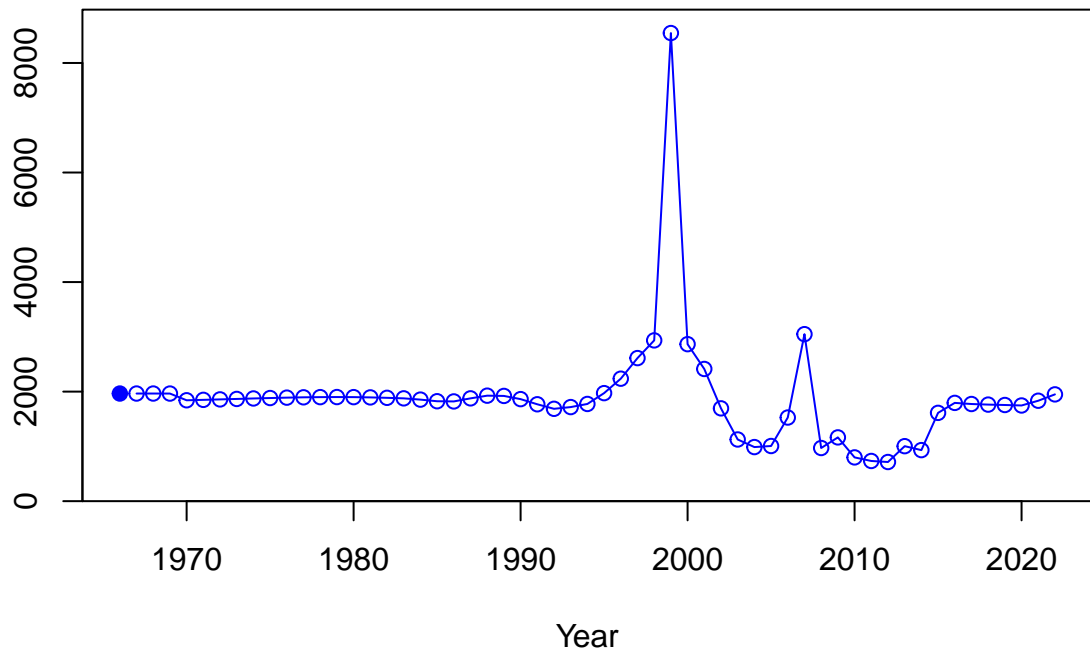




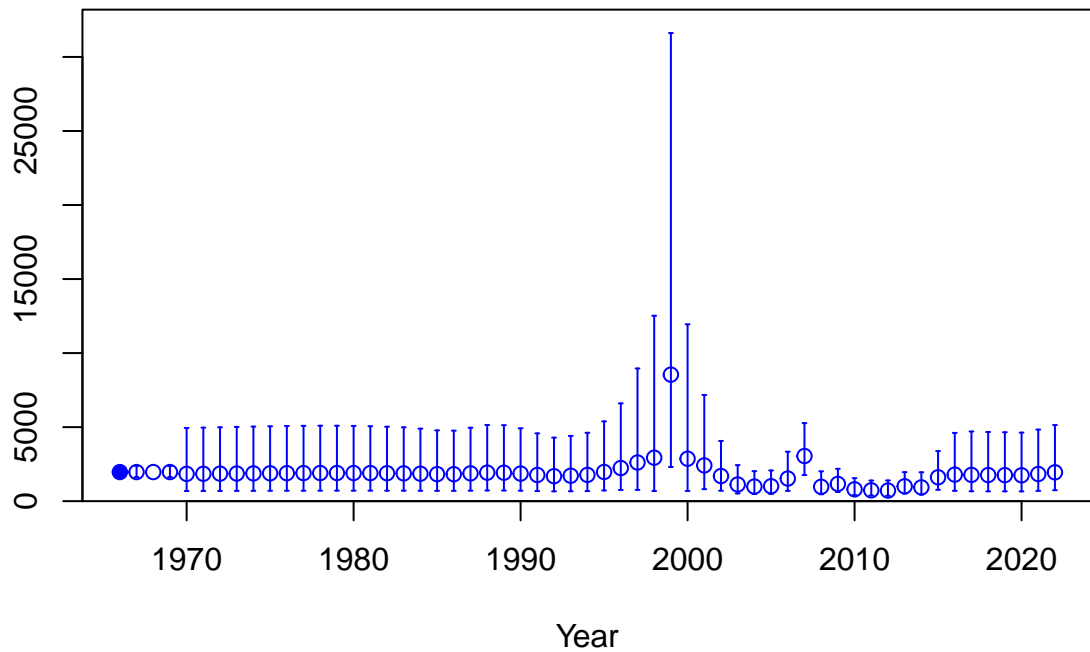
Summary biomass (mt)



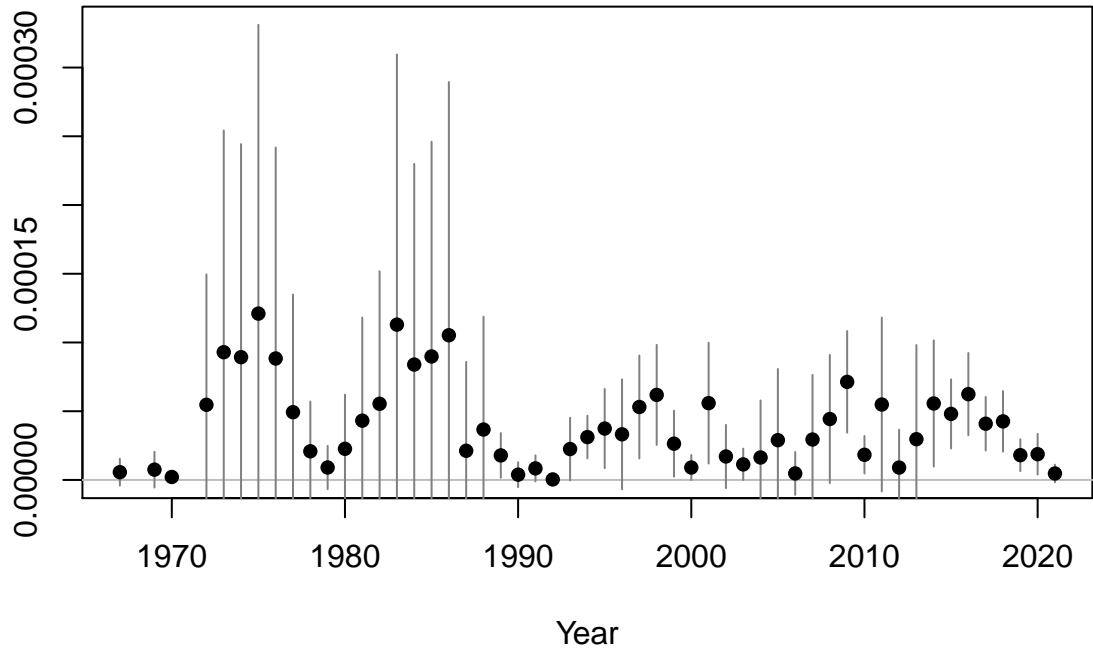
Age-0 recruits (1,000s)

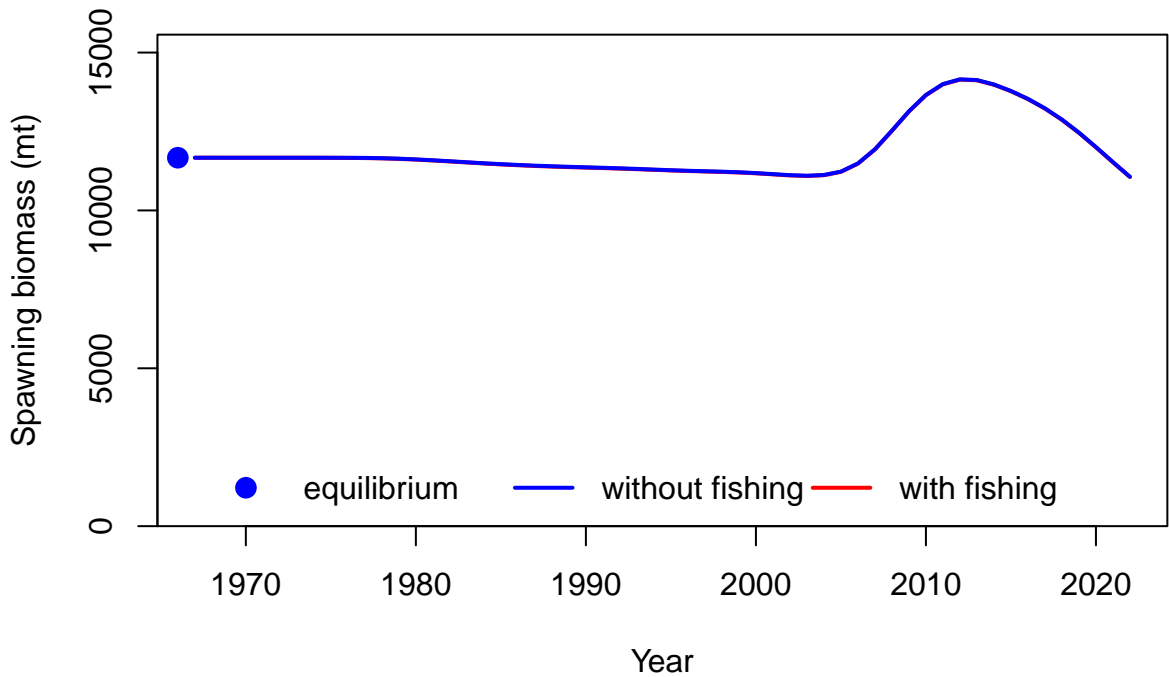


Age-0 recruits (1,000s)

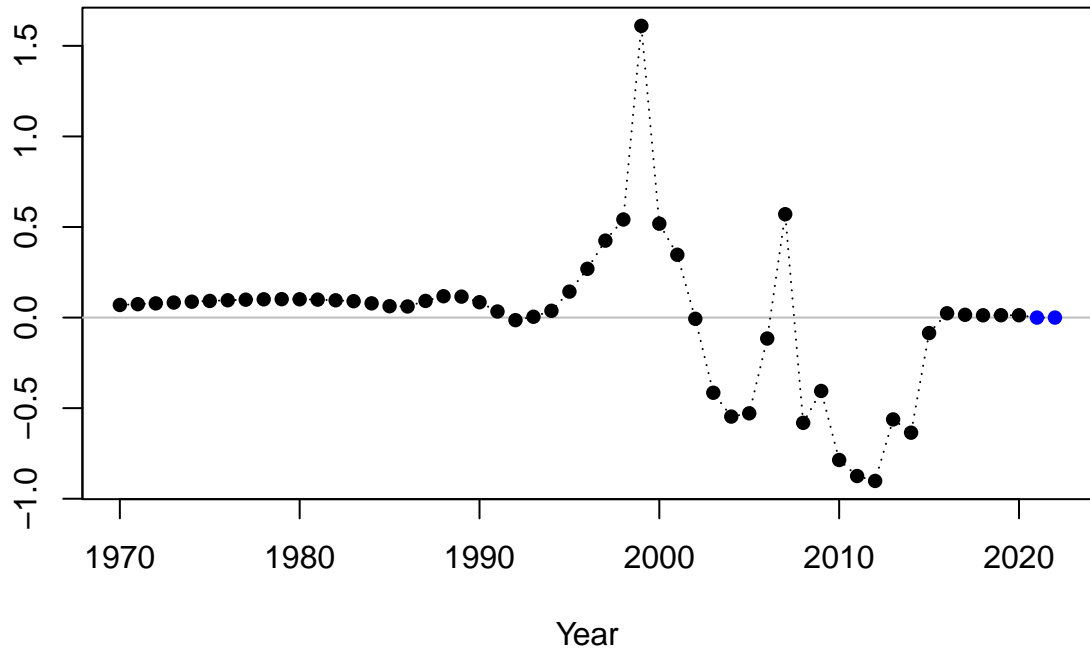


Summary Fishing Mortality

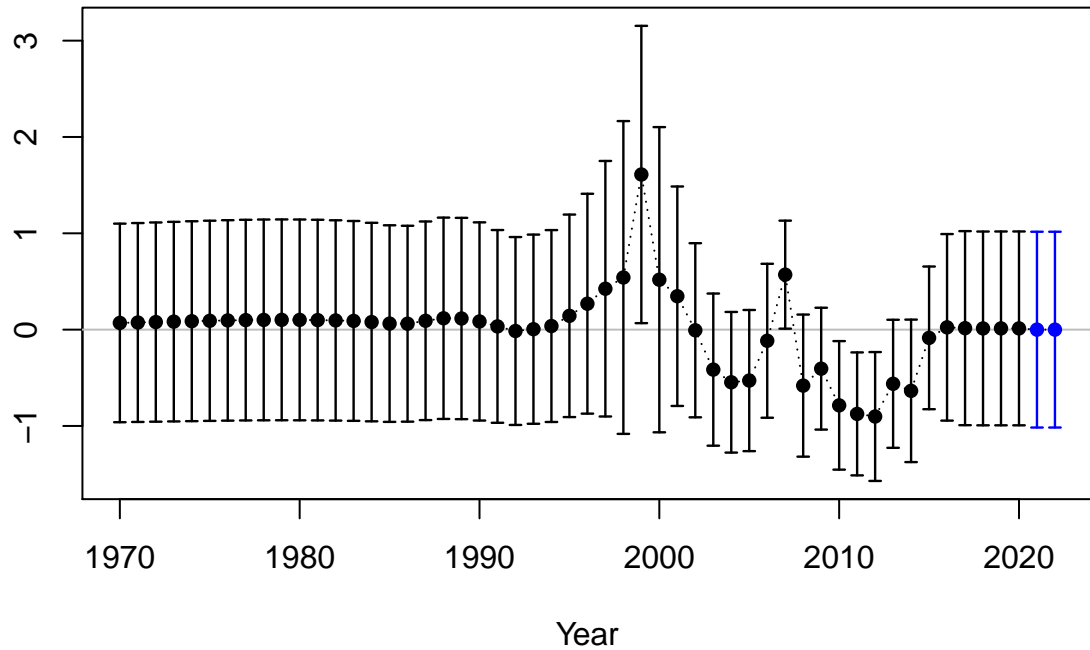




Log recruitment deviation

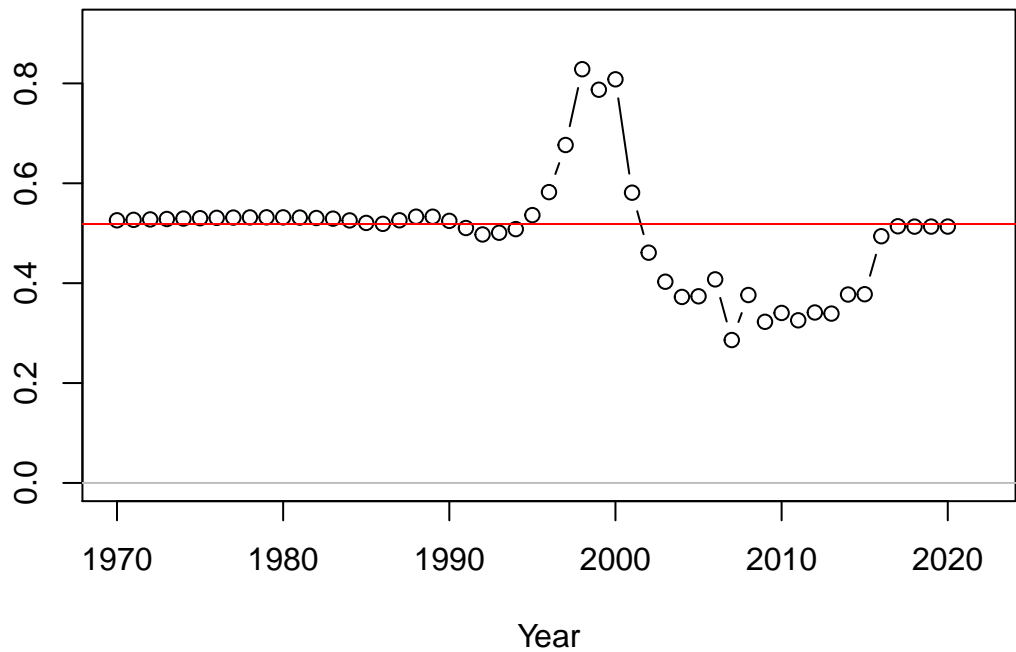


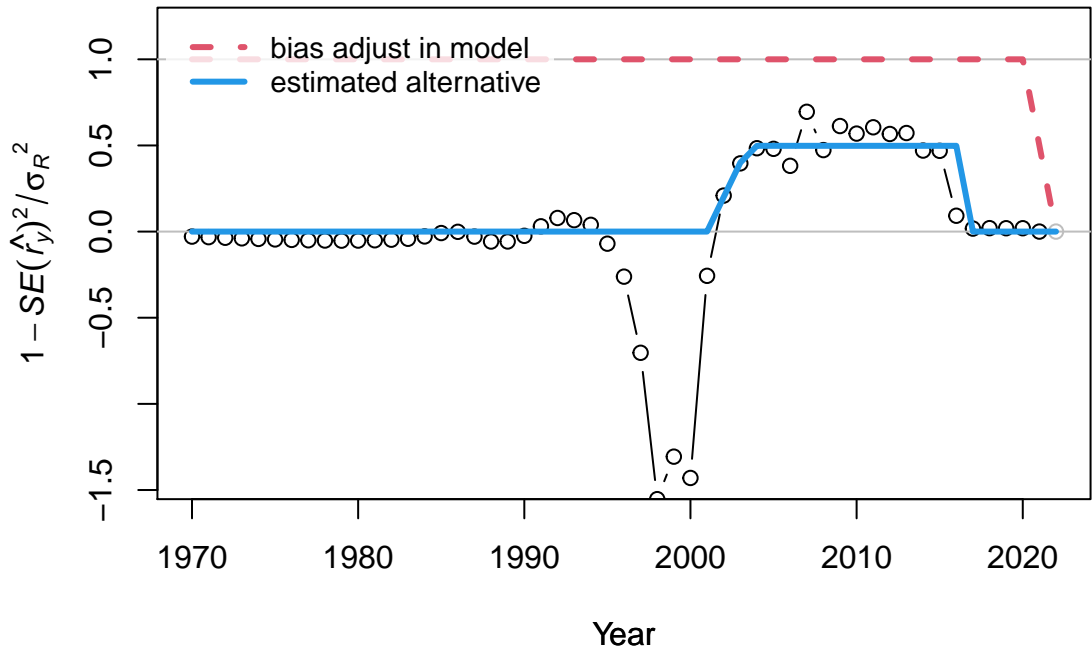
Log recruitment deviation

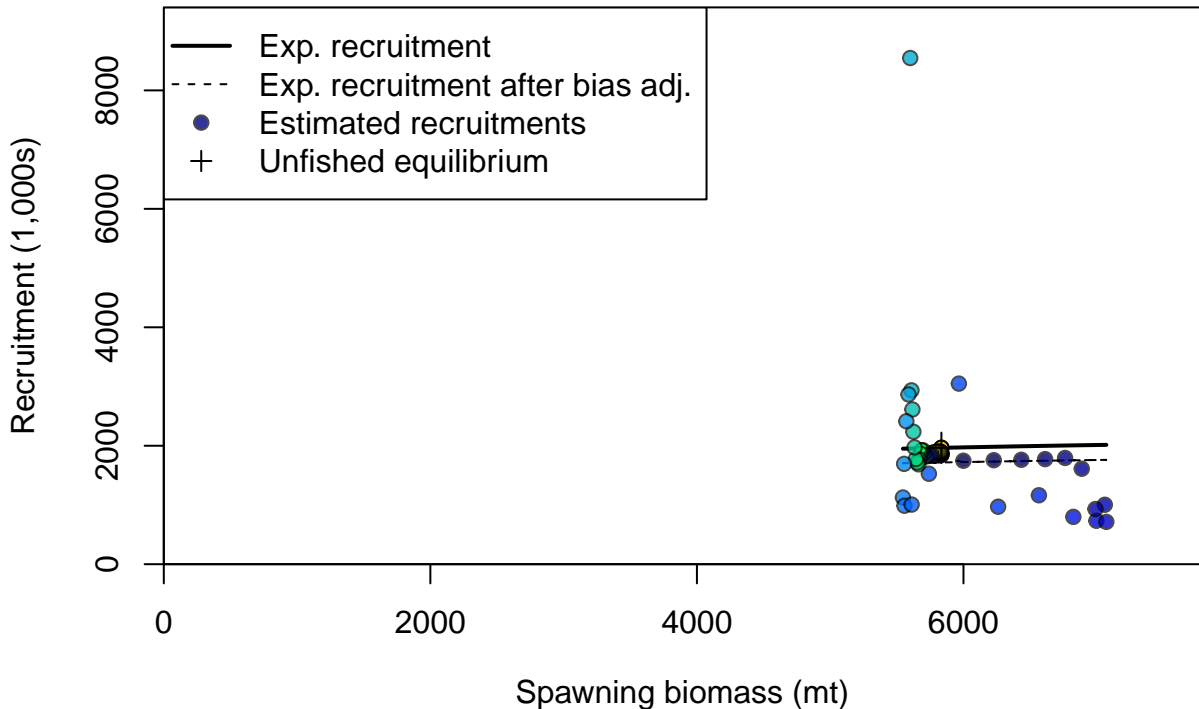


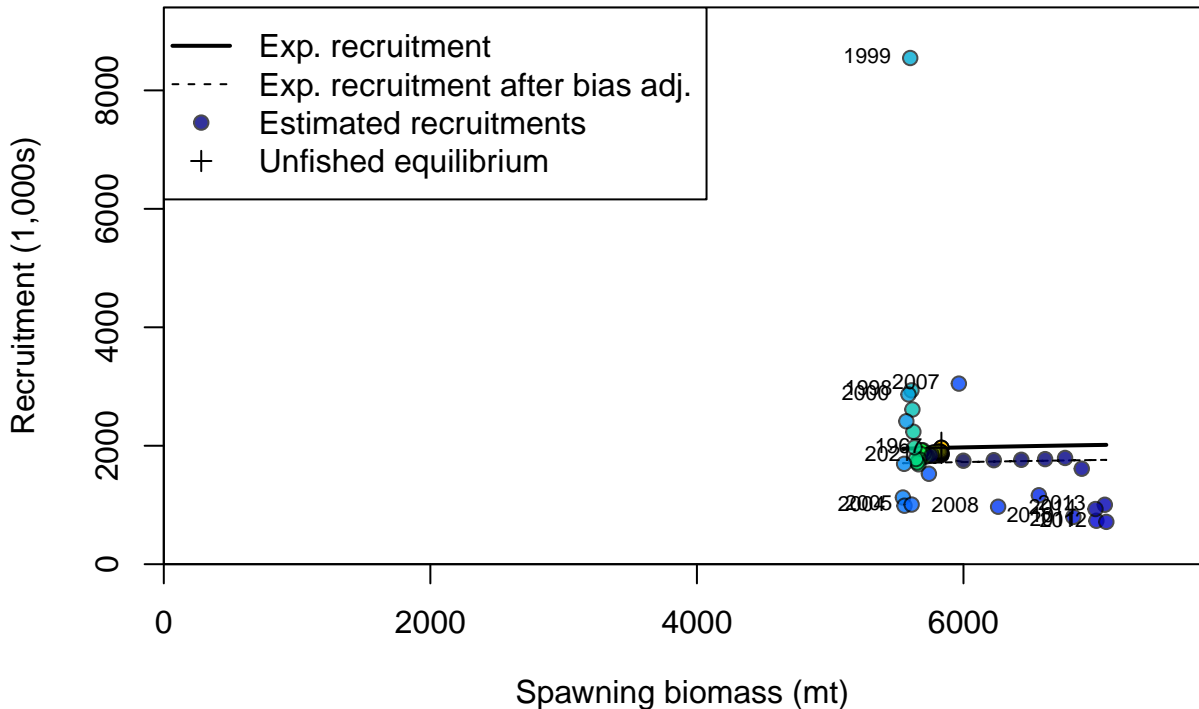
Recruitment deviation variance

Asymptotic standard error estimate

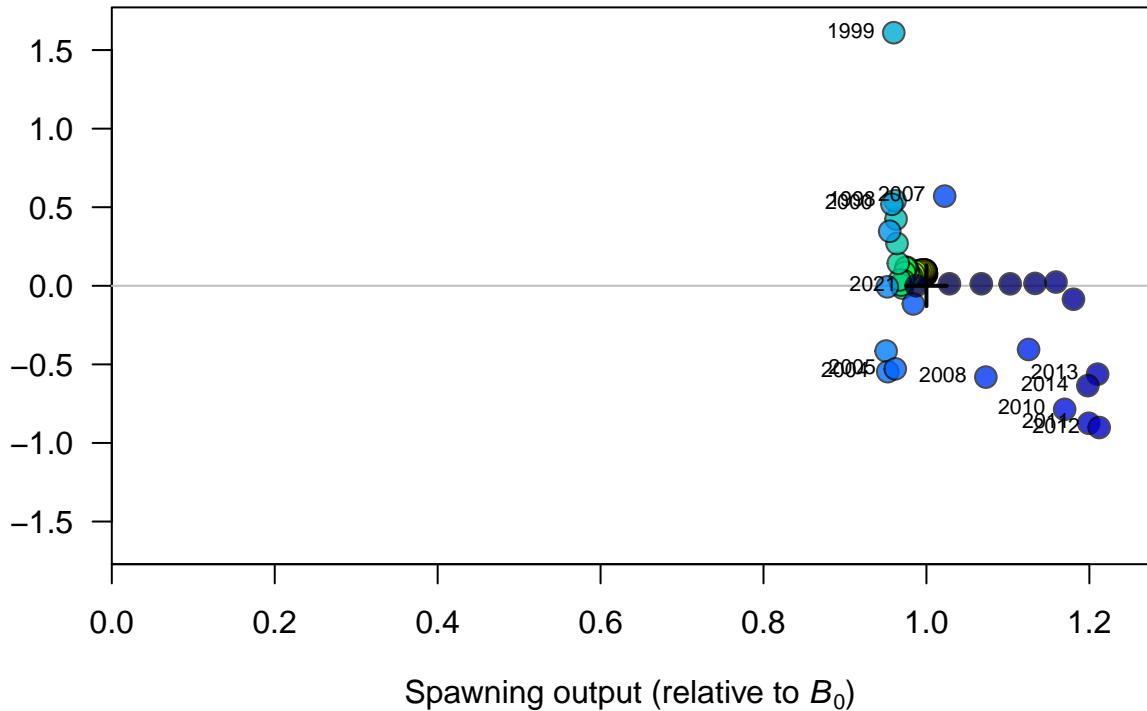


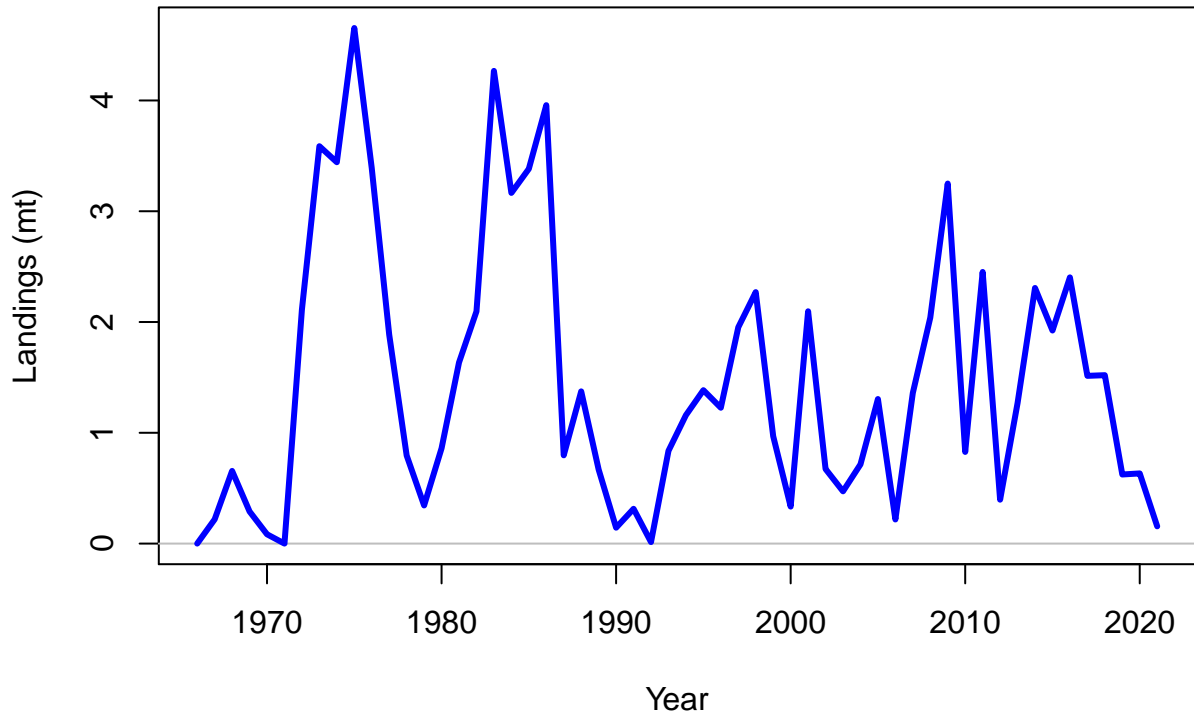


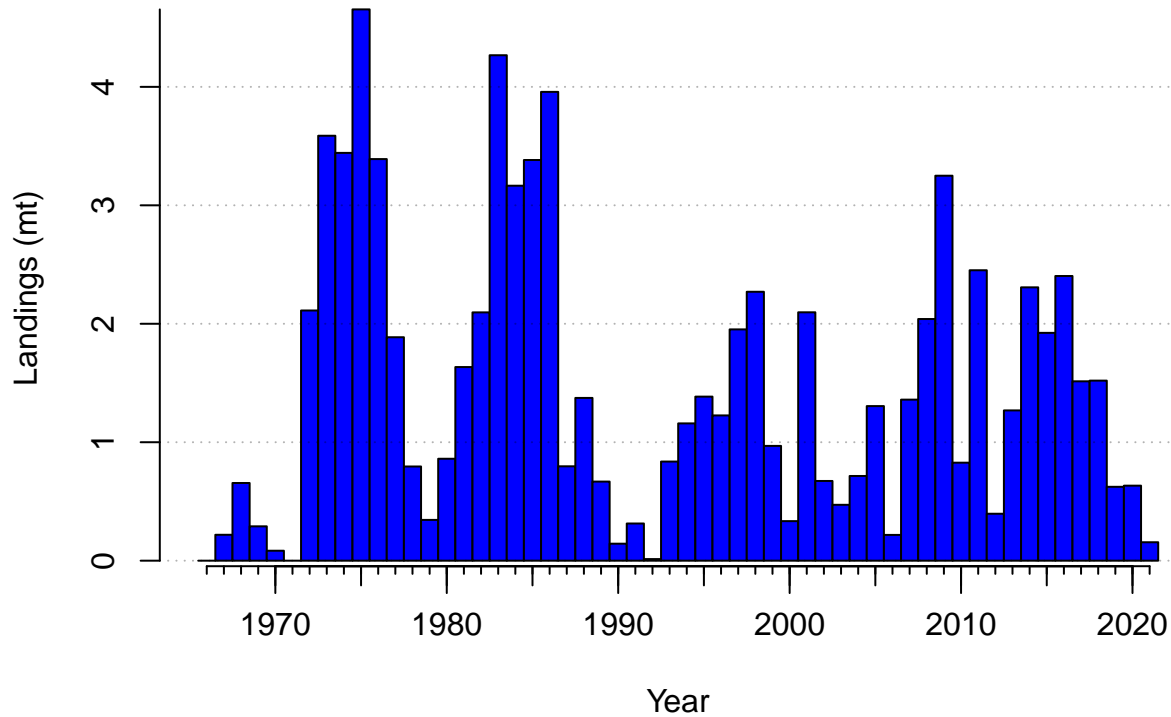


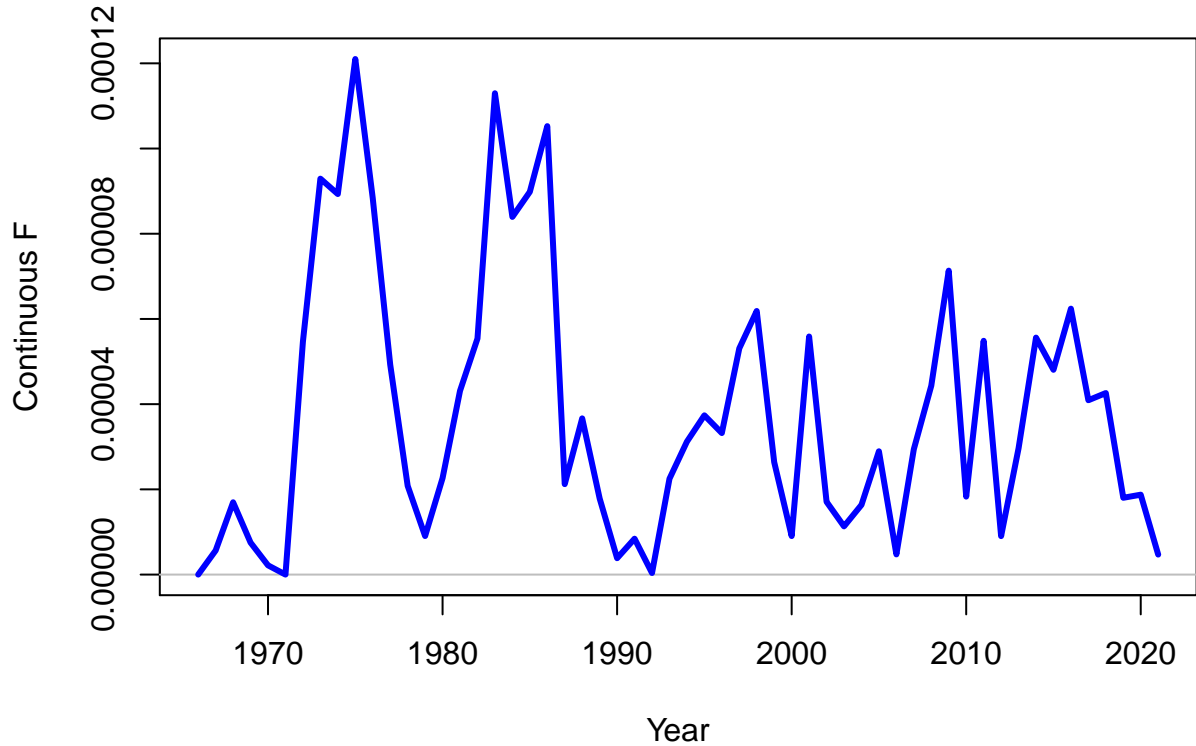


Log recruitment deviation

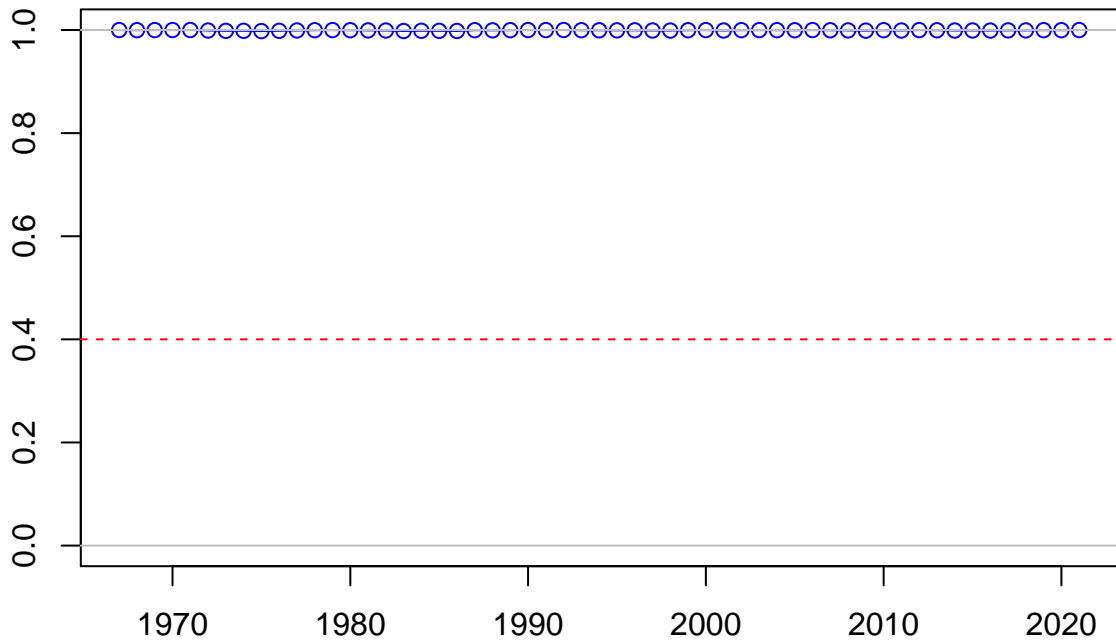






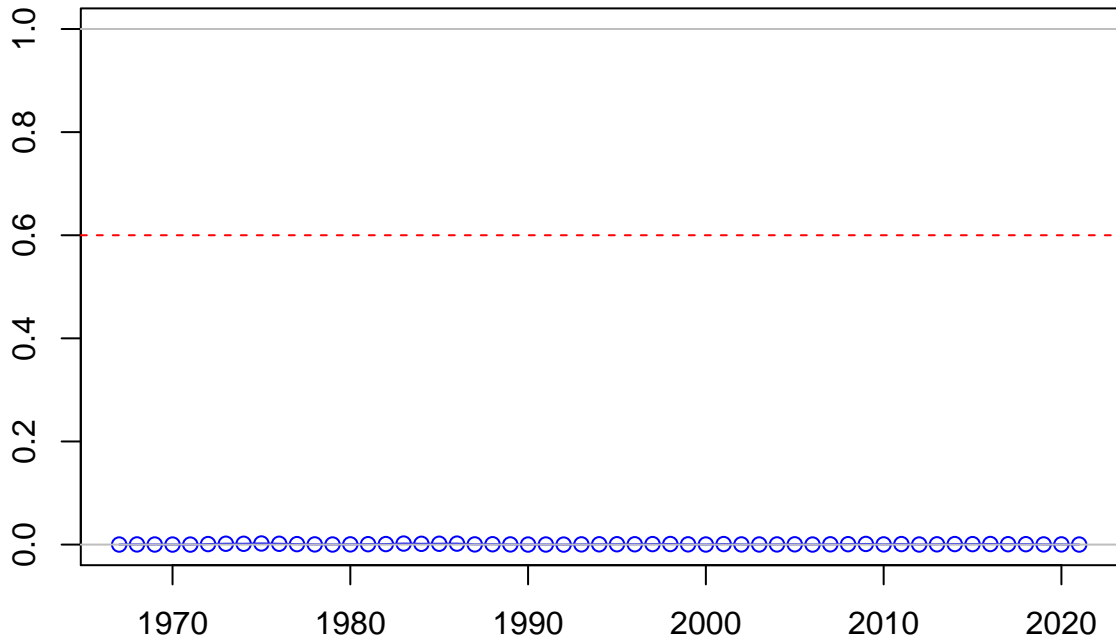


SPR



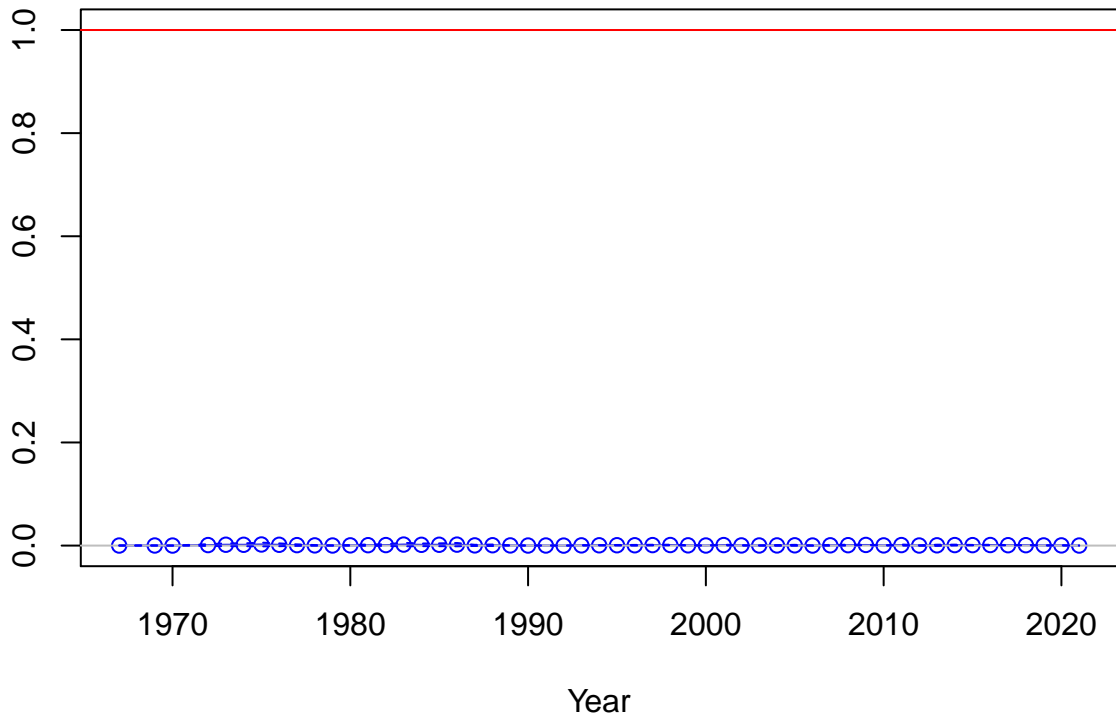
Year

1-SPR

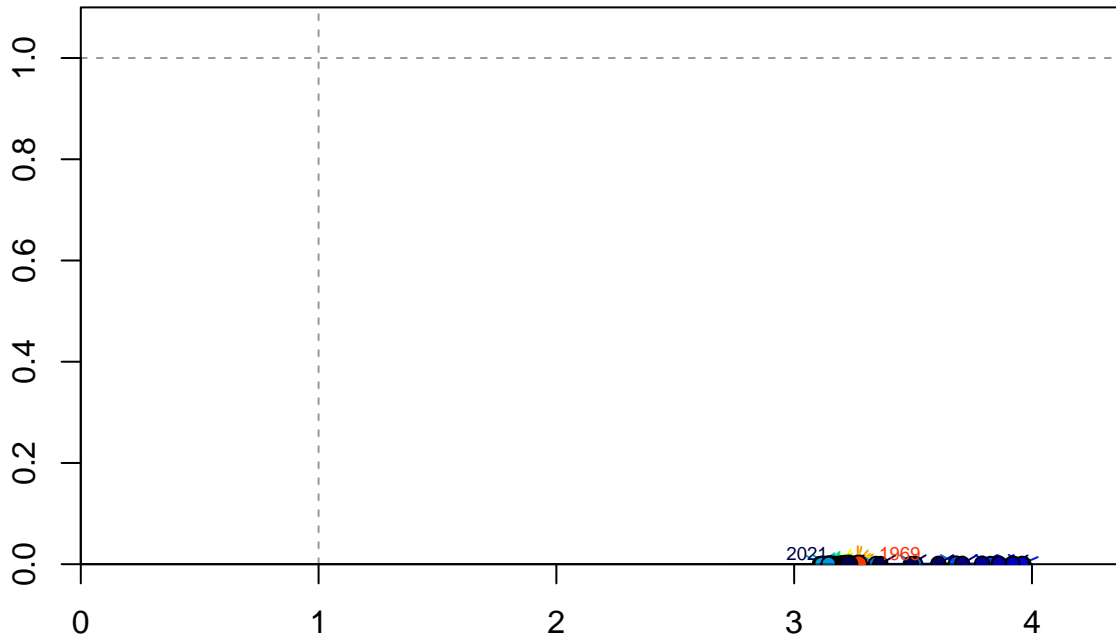


Year

Fishing intensity: 1-SPR

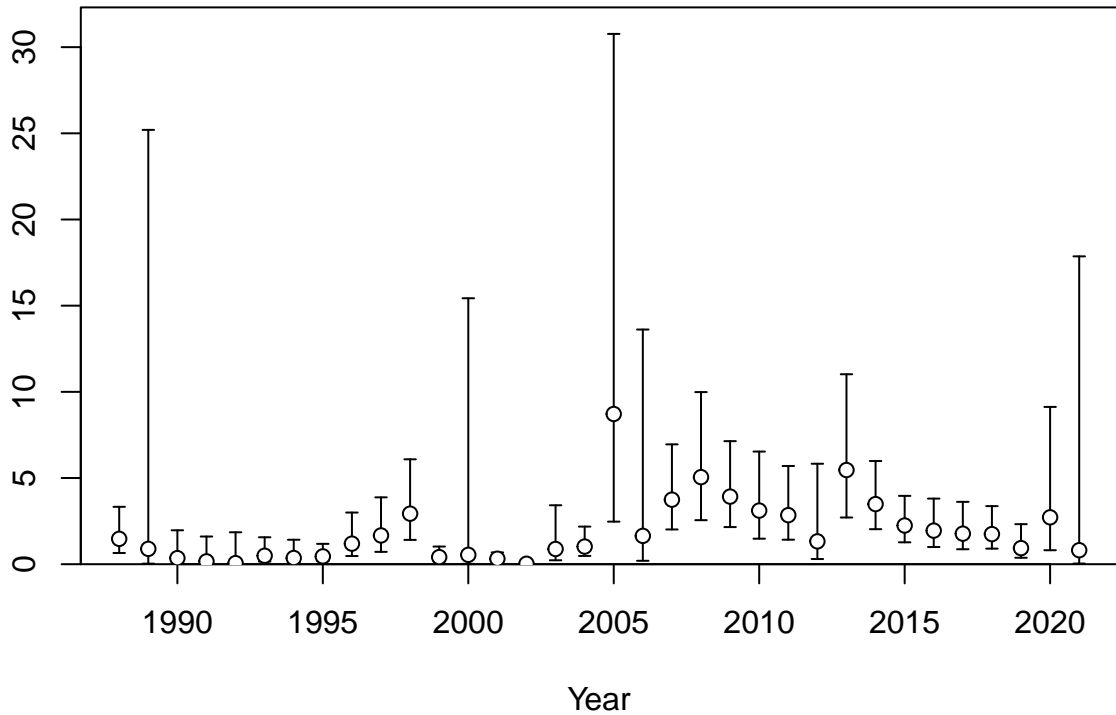


Fishing intensity: 1-SPR

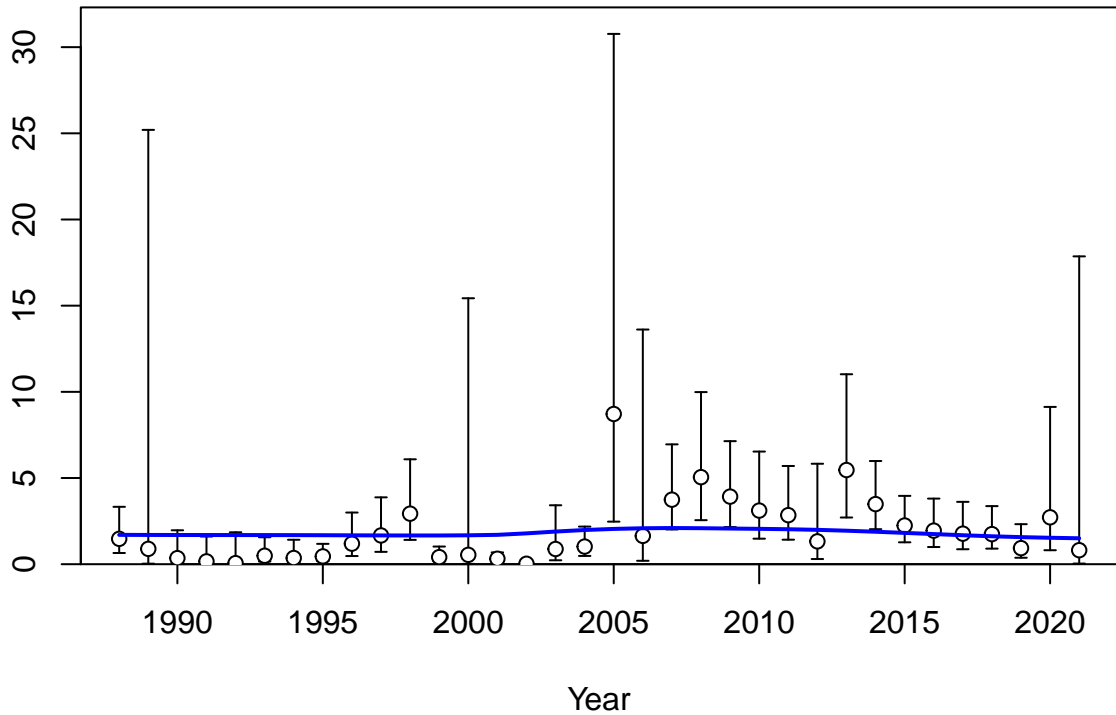


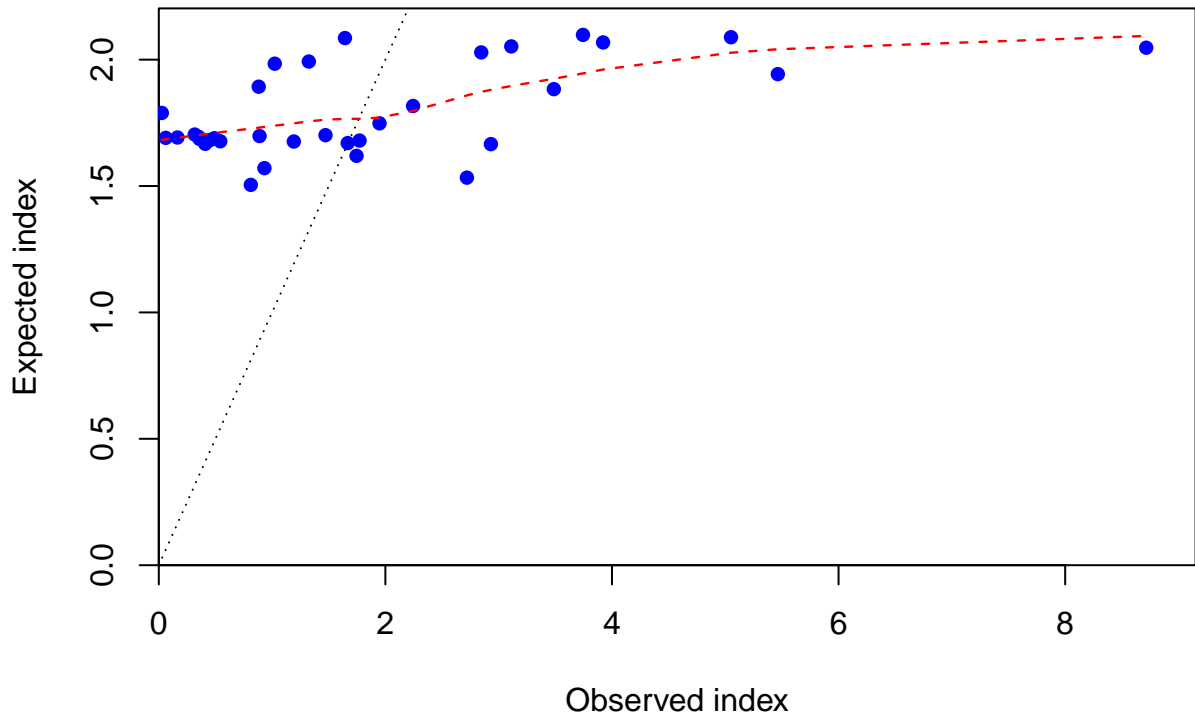
Relative spawning output: B/B_{MSY}

Index

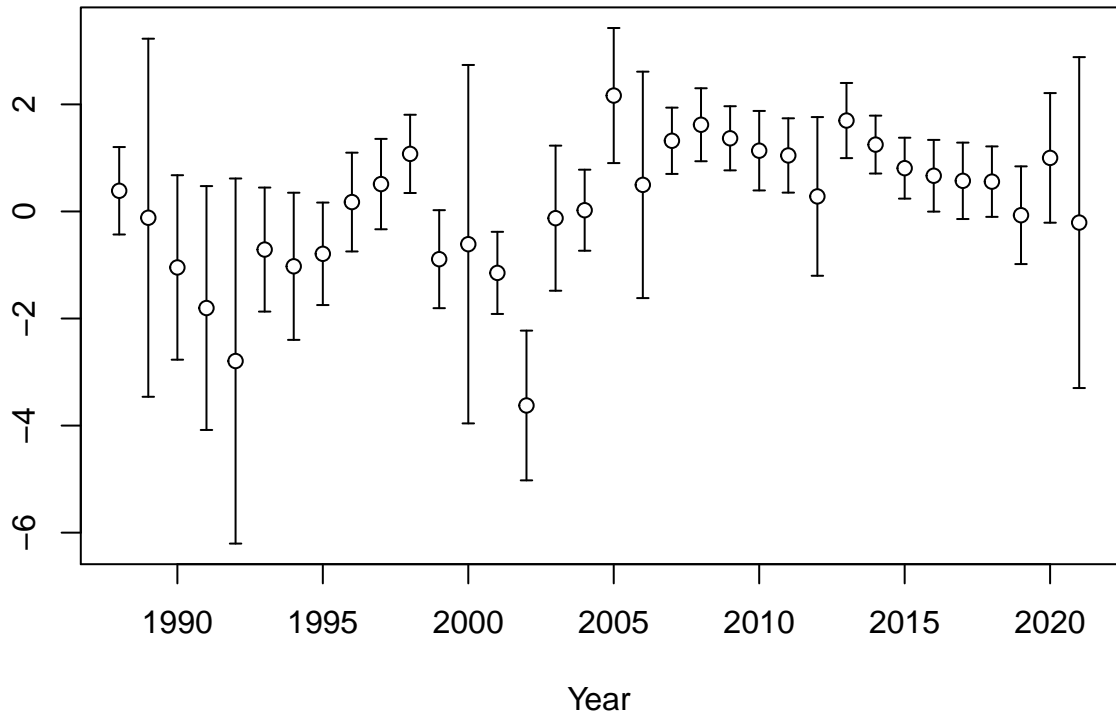


Index

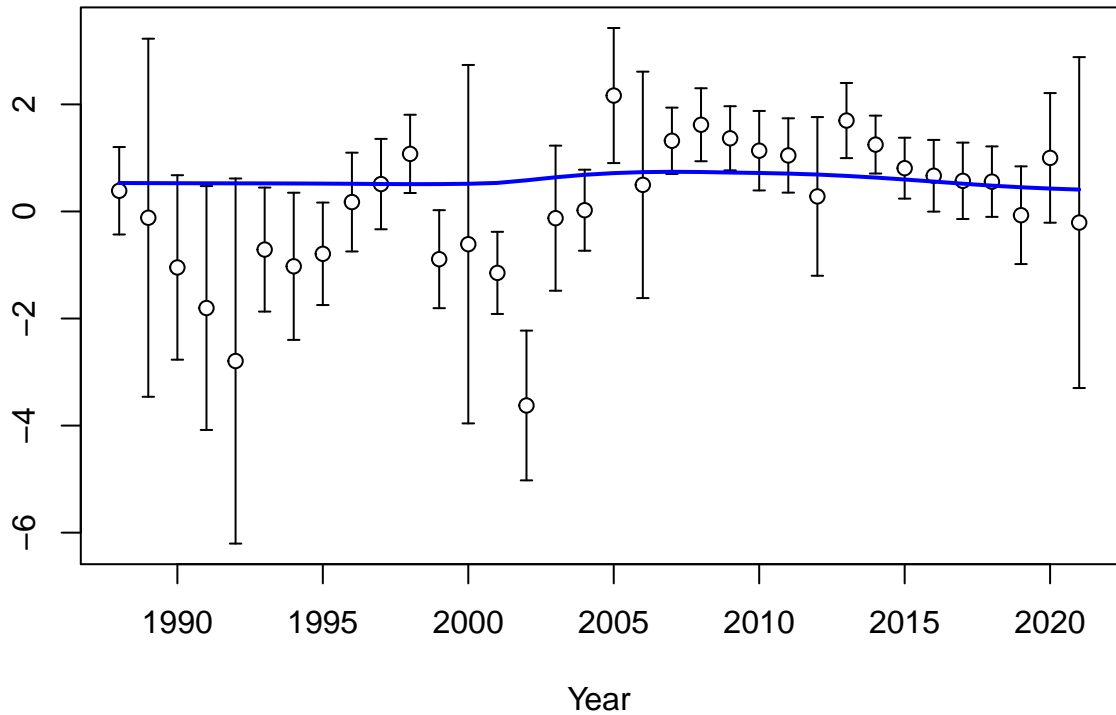


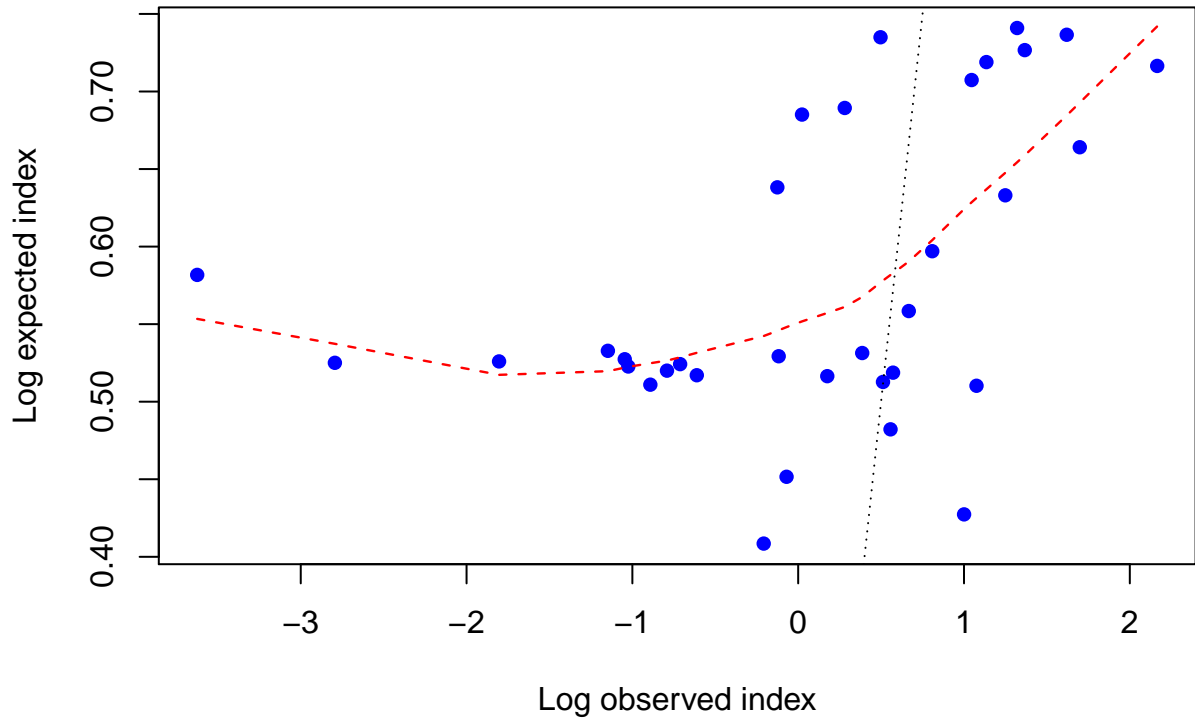


Log index

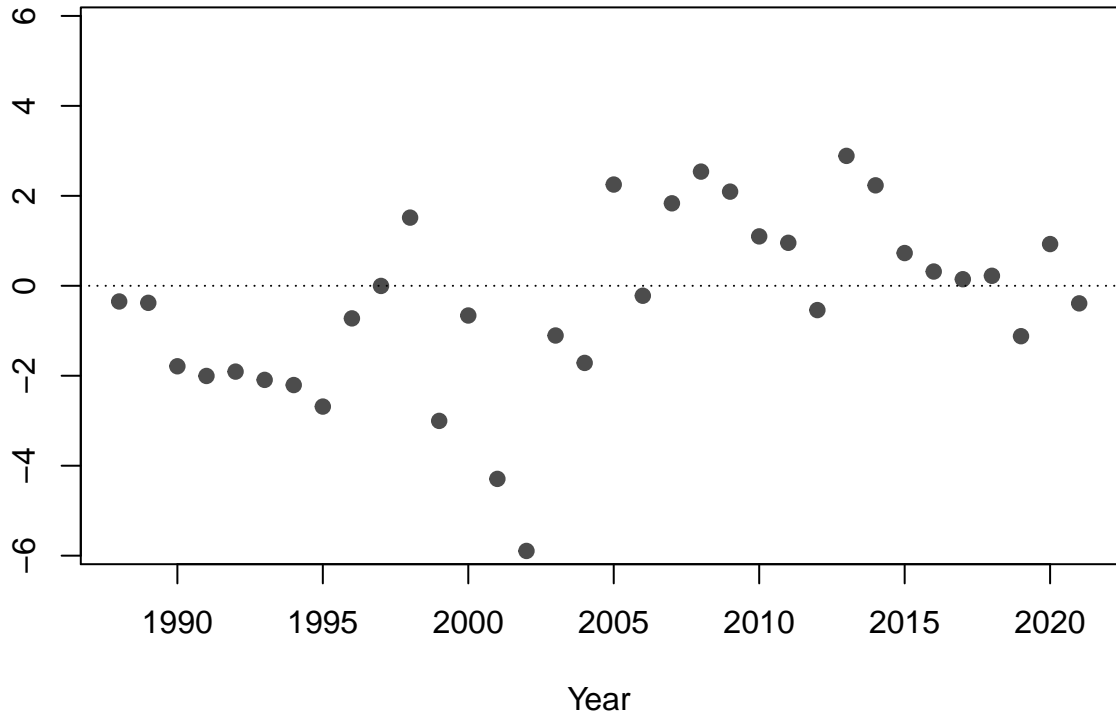


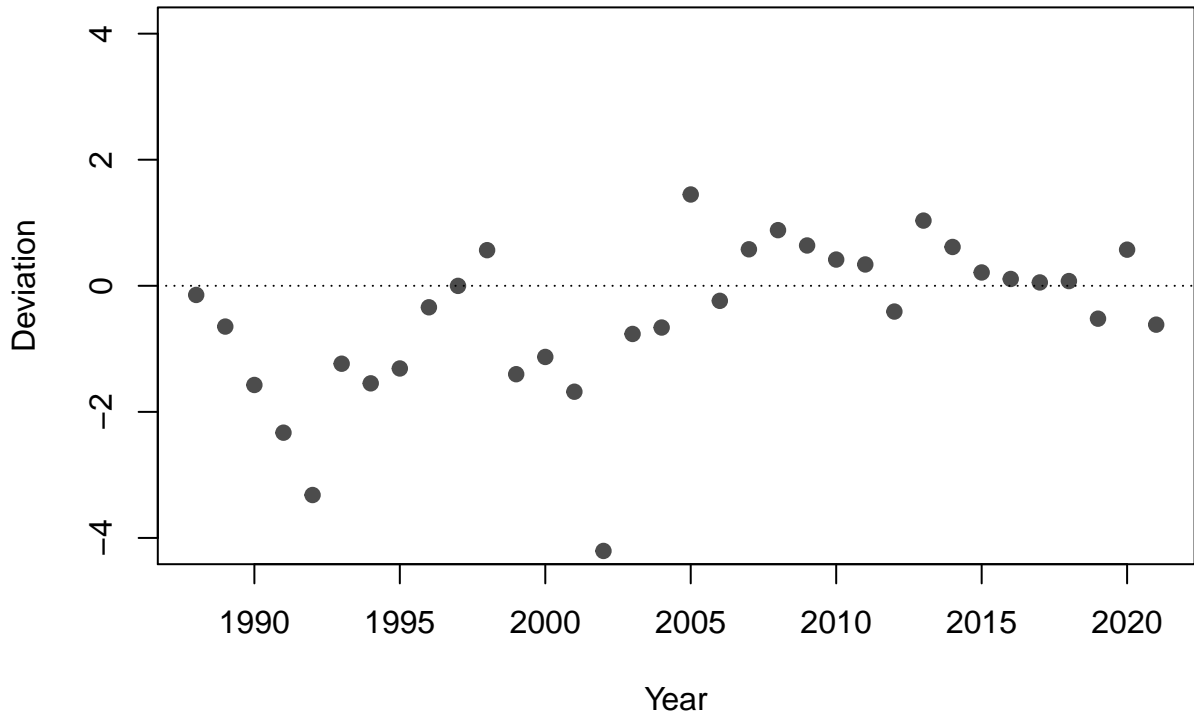
Log index

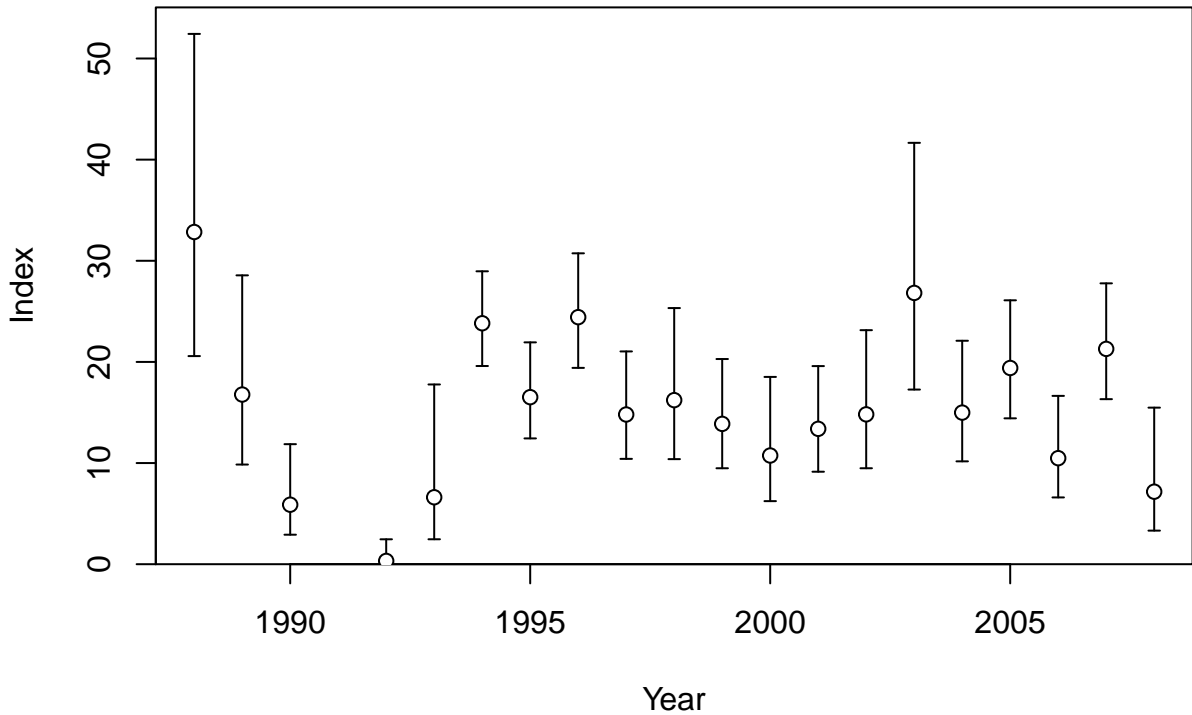


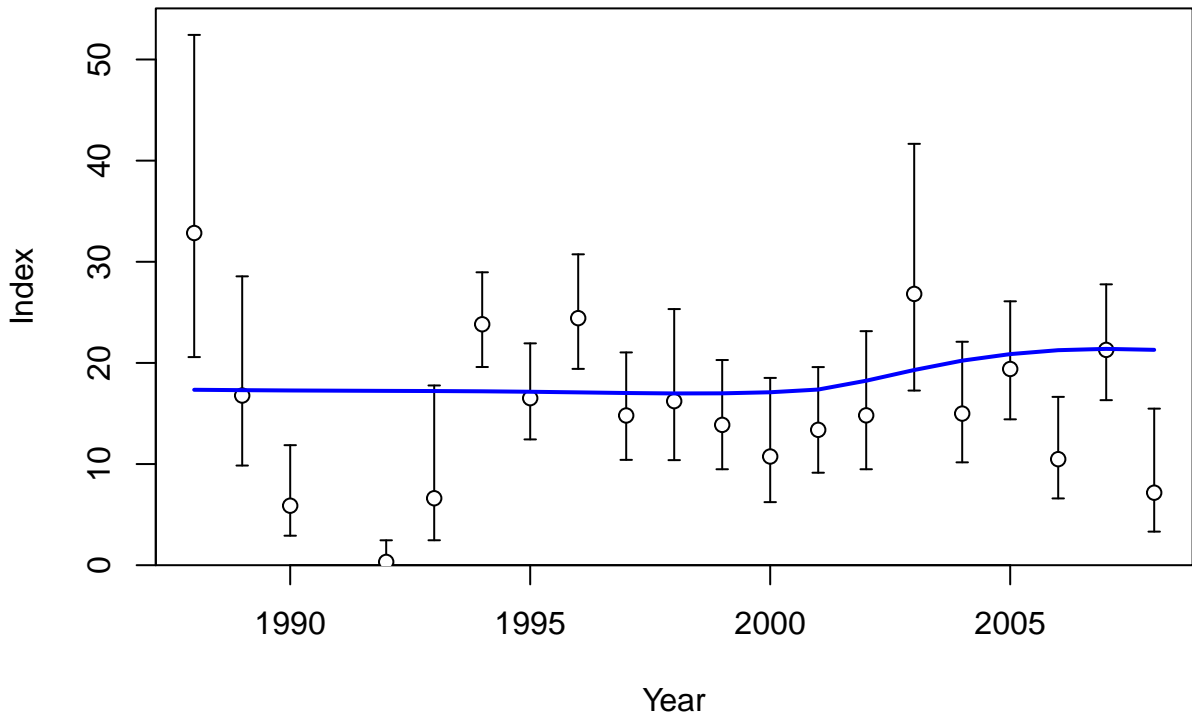


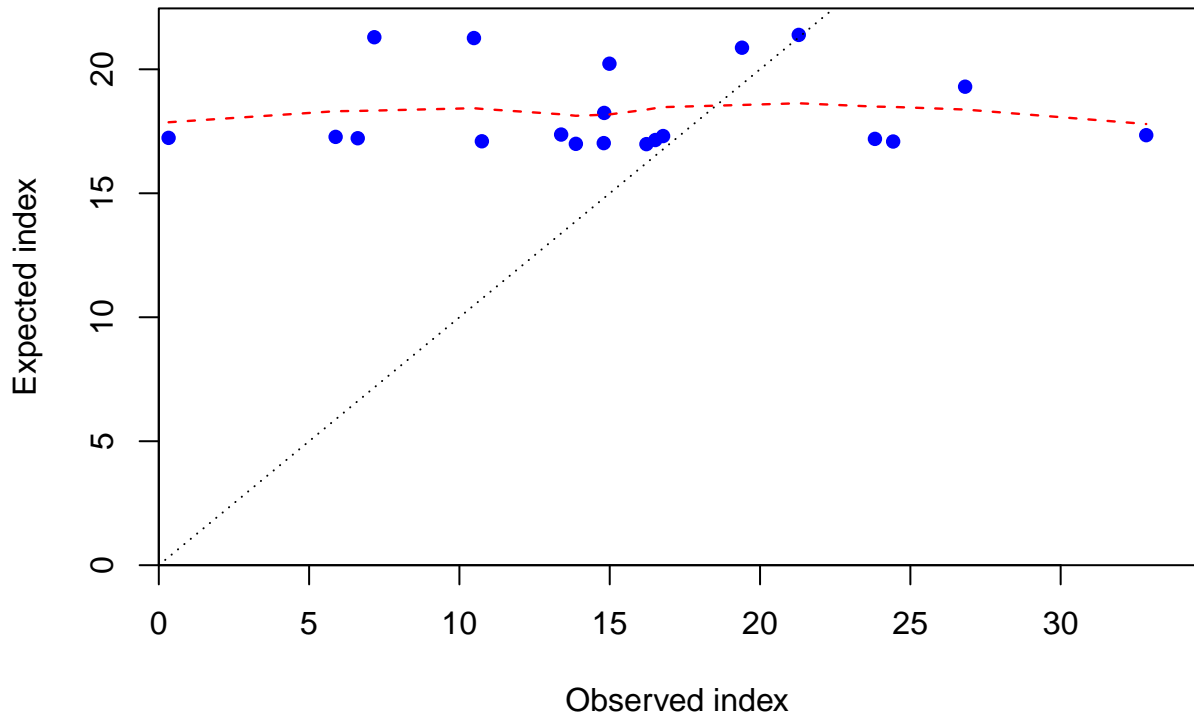
Residual



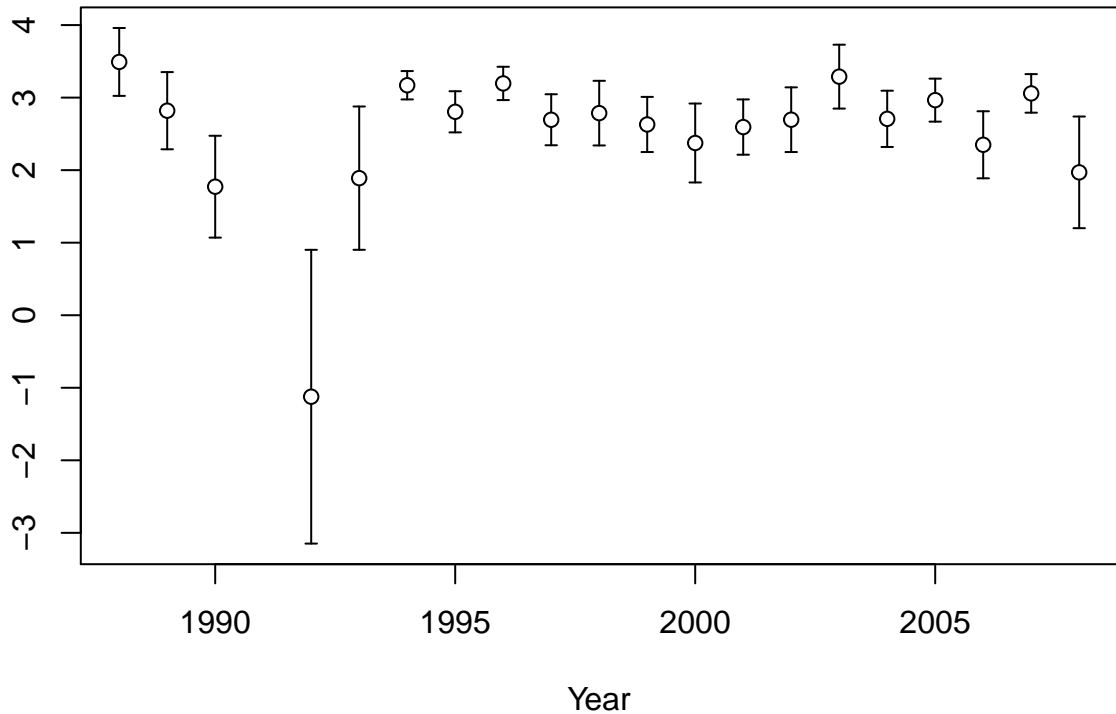




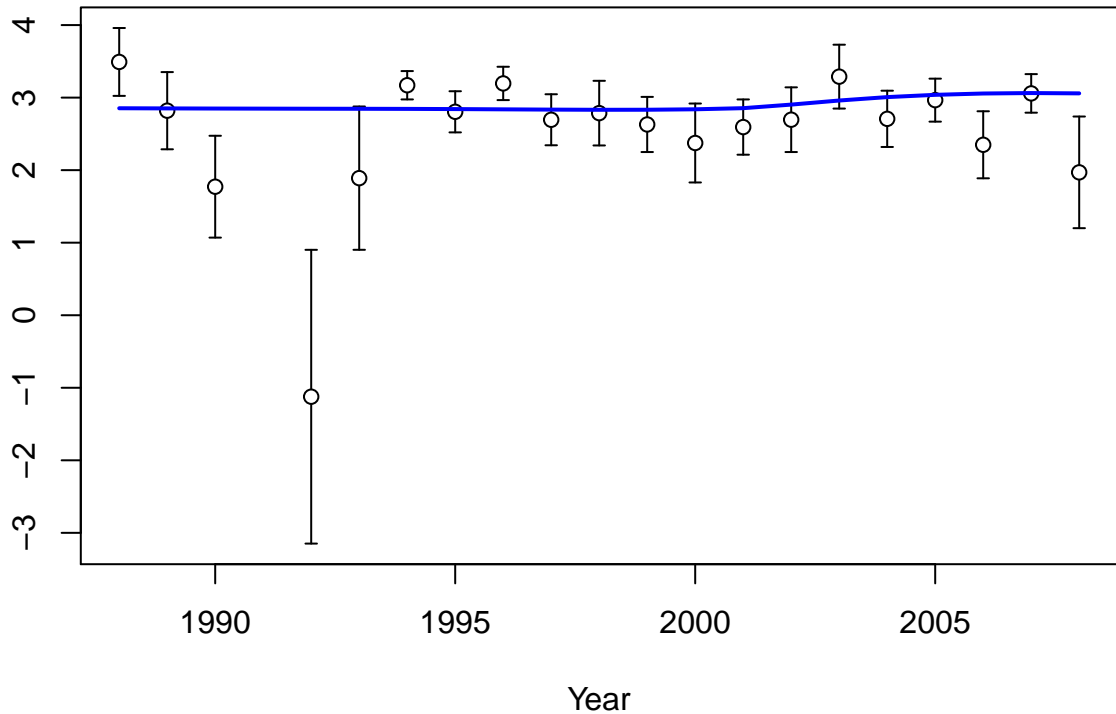


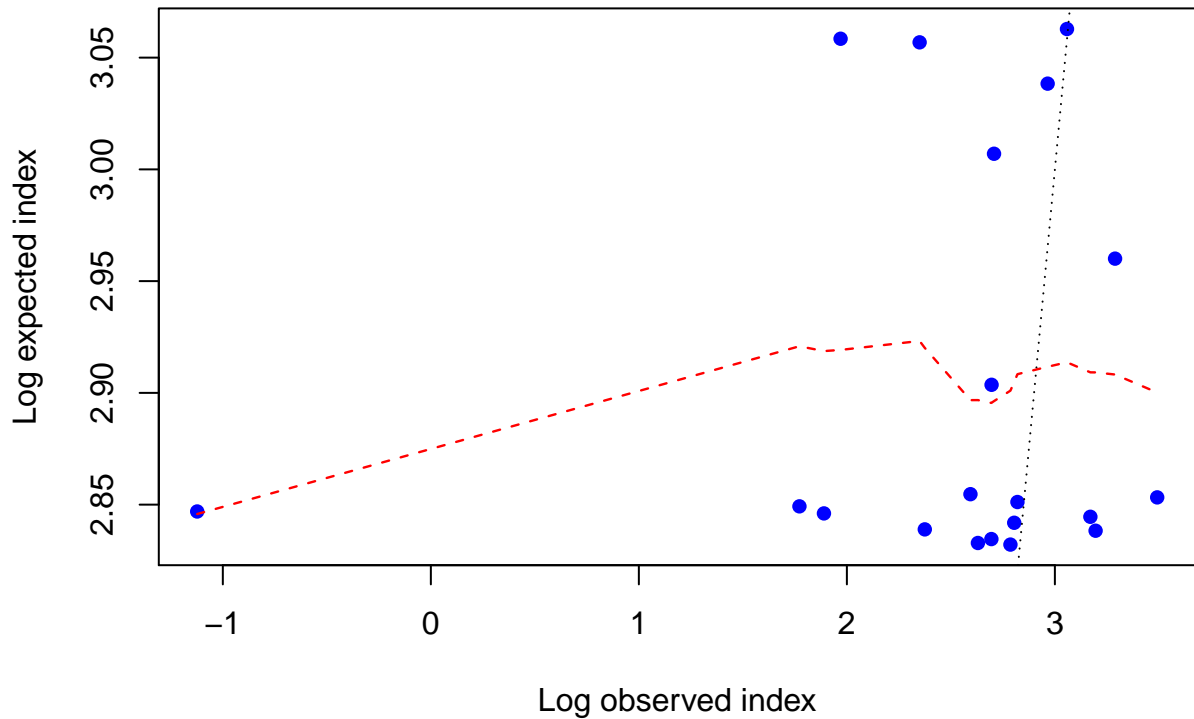


Log index

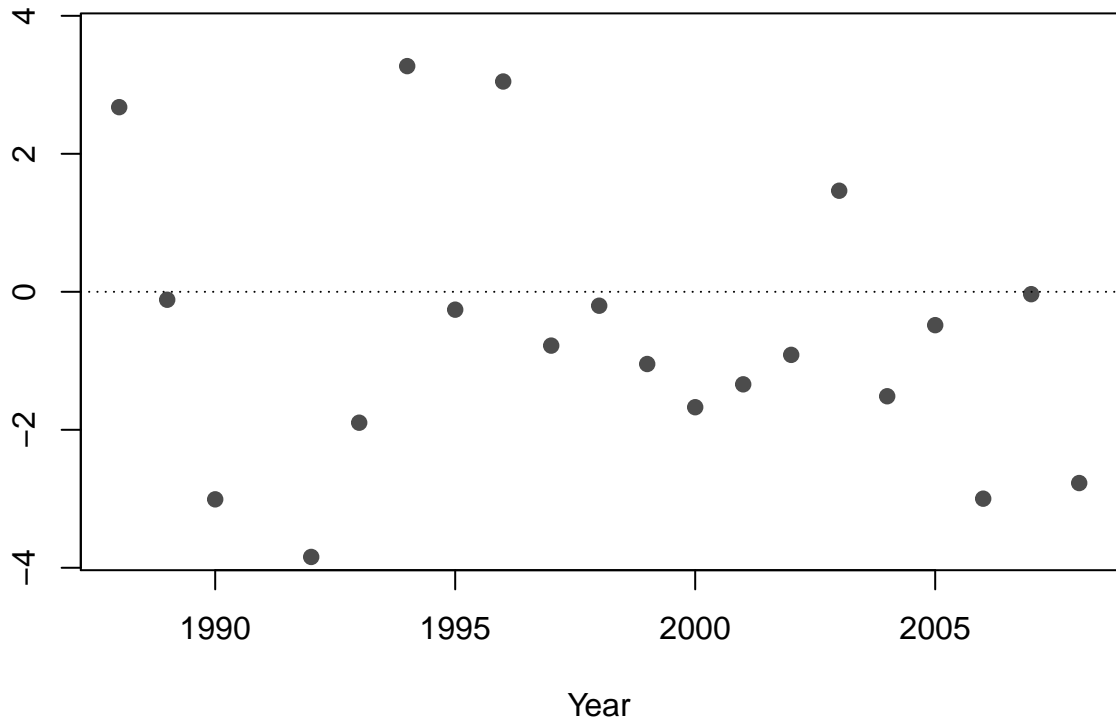


Log index

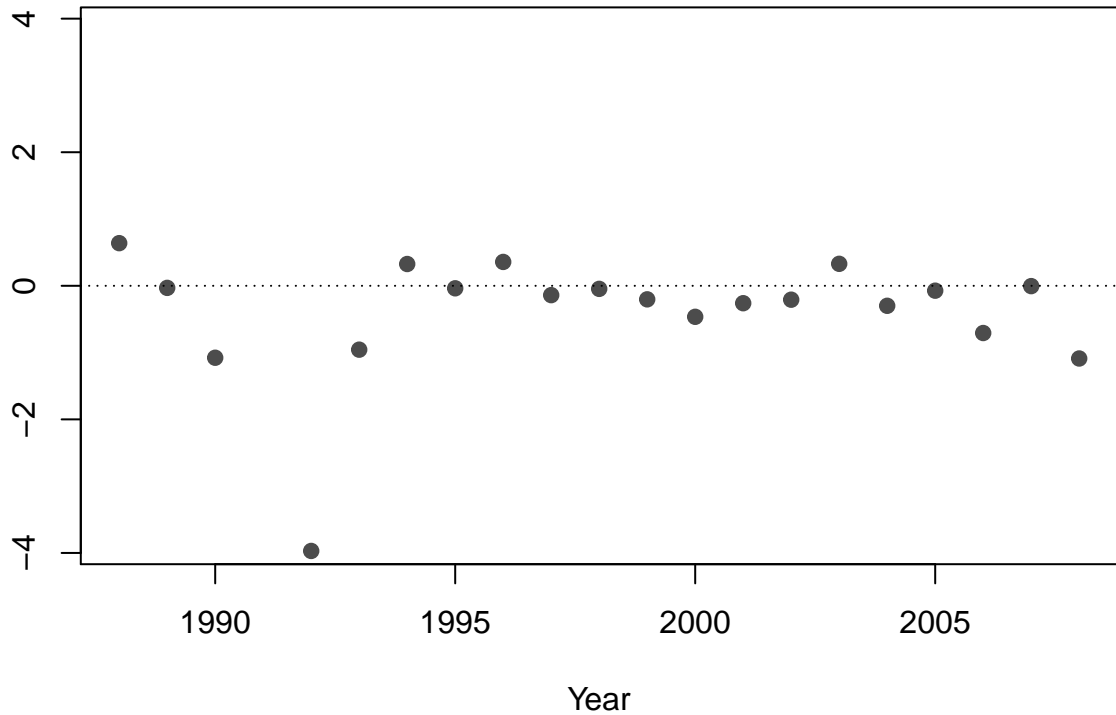


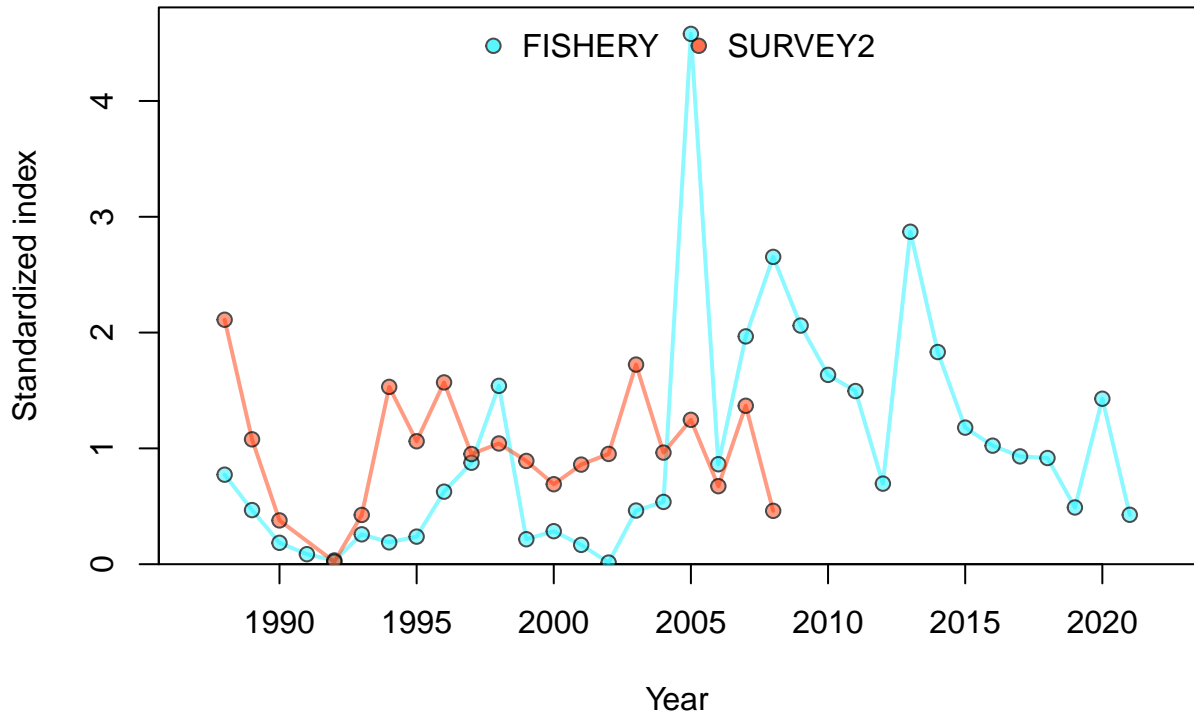


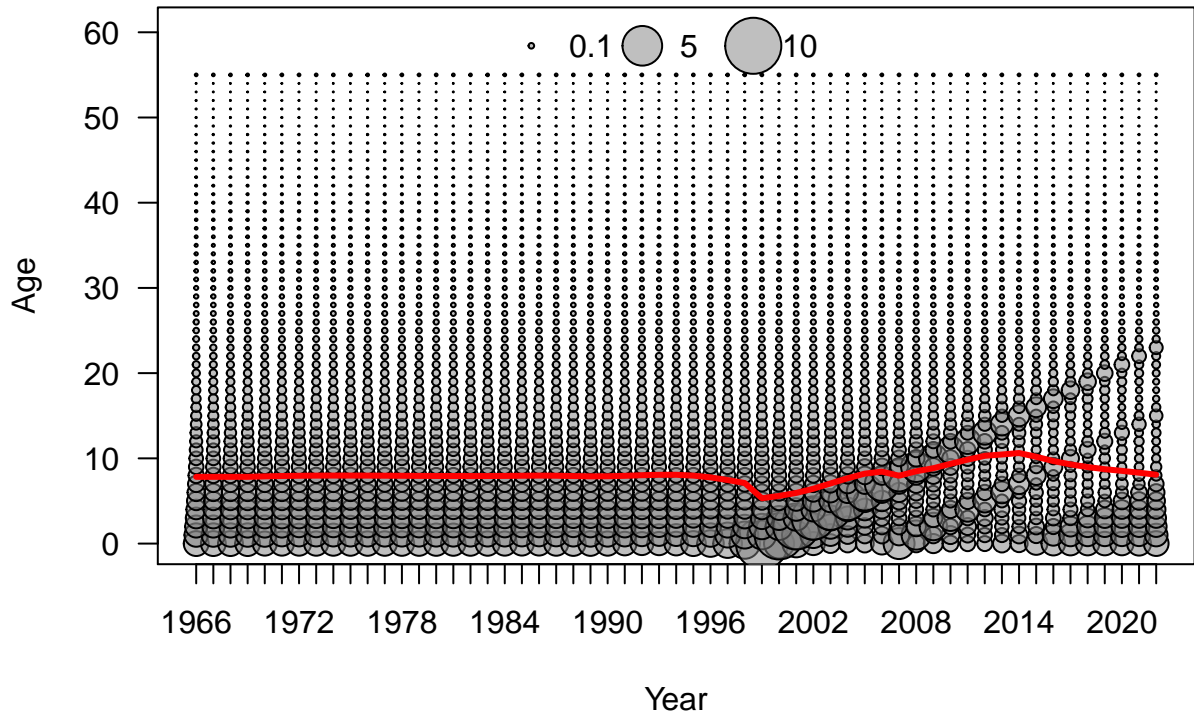
Residual

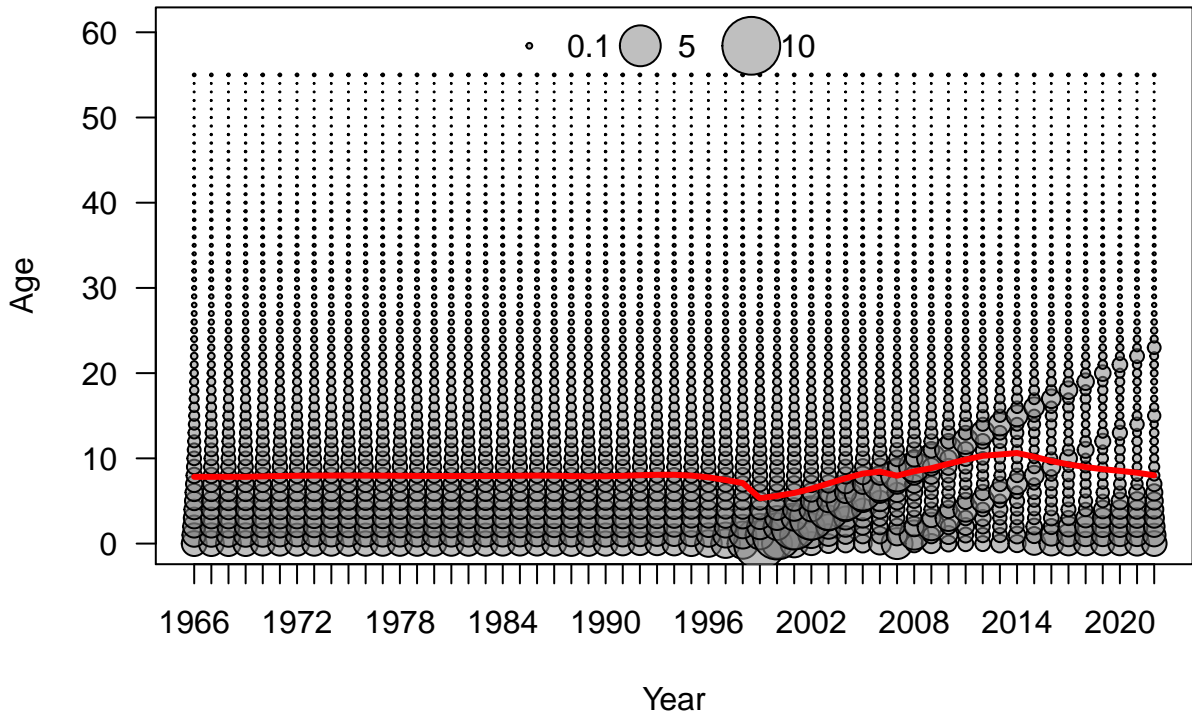


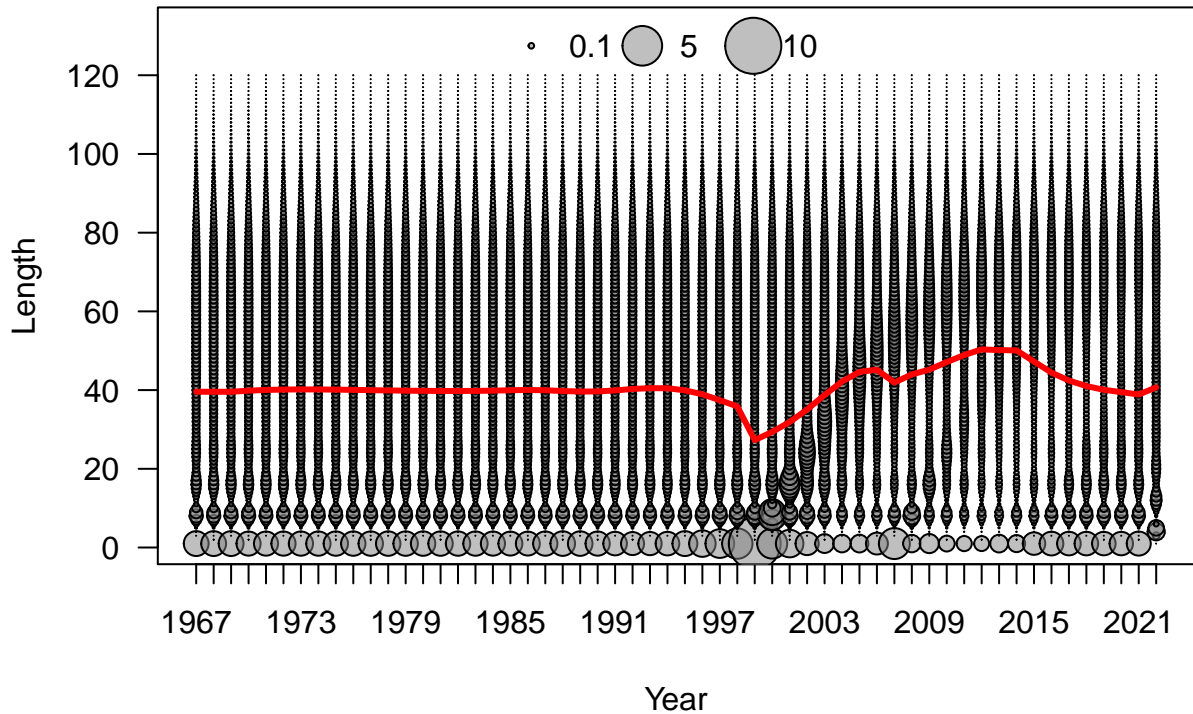
Deviation

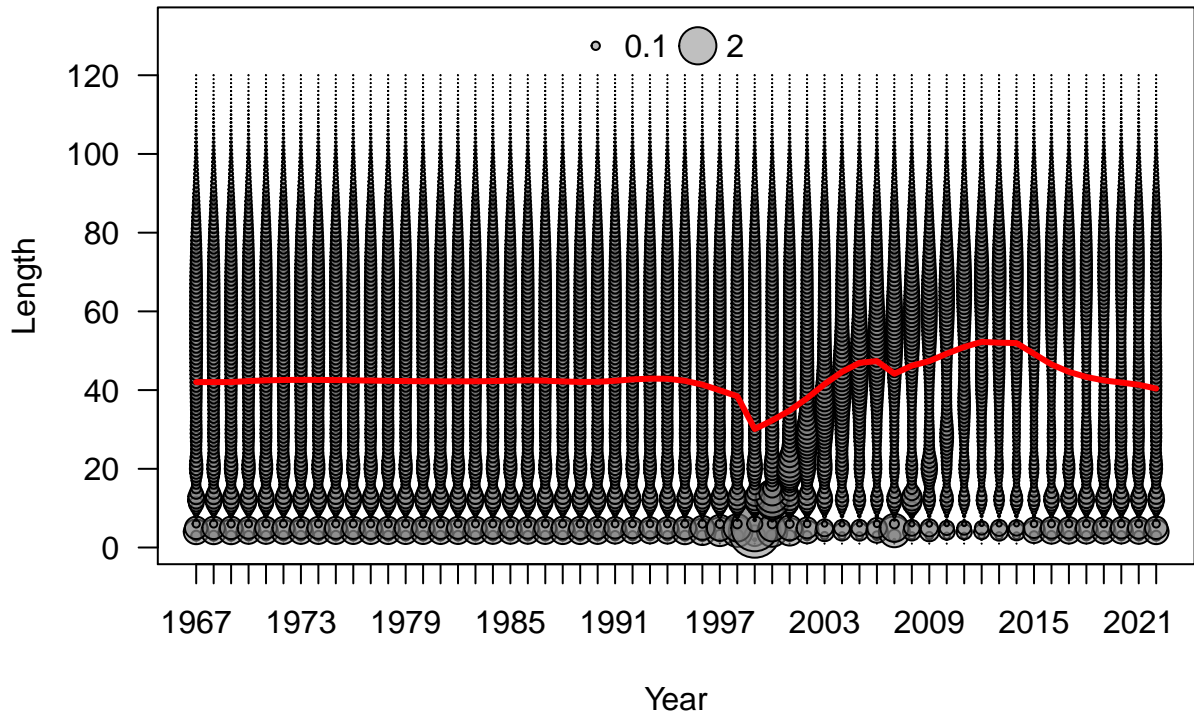




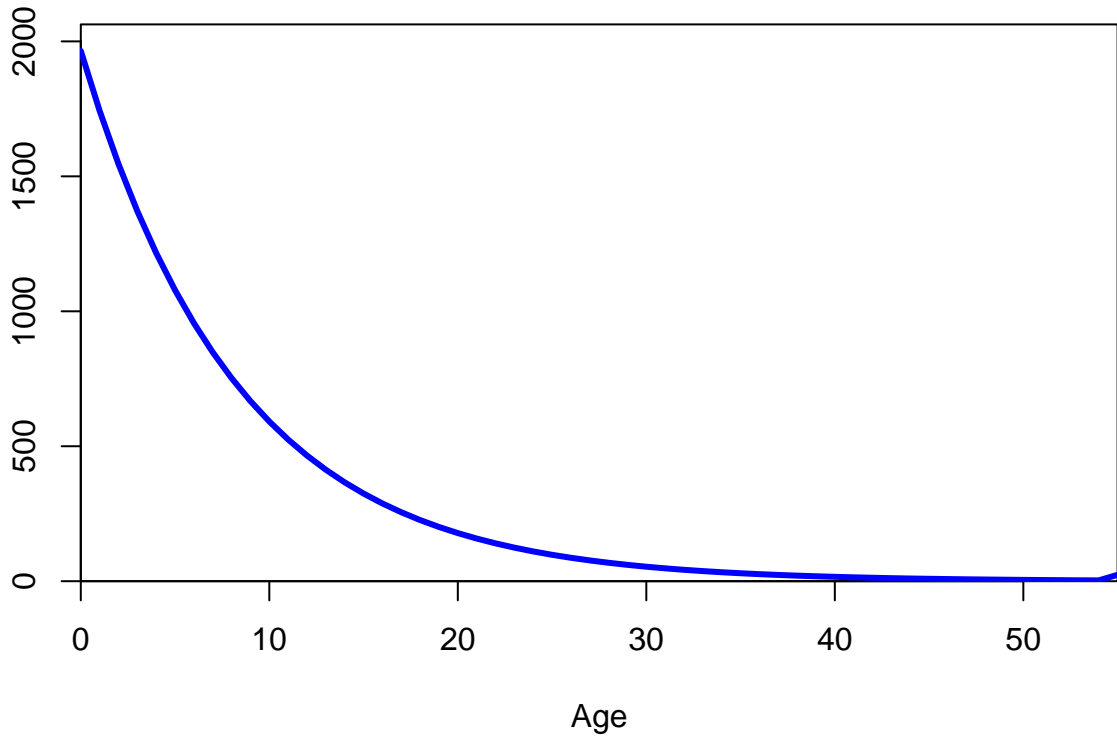






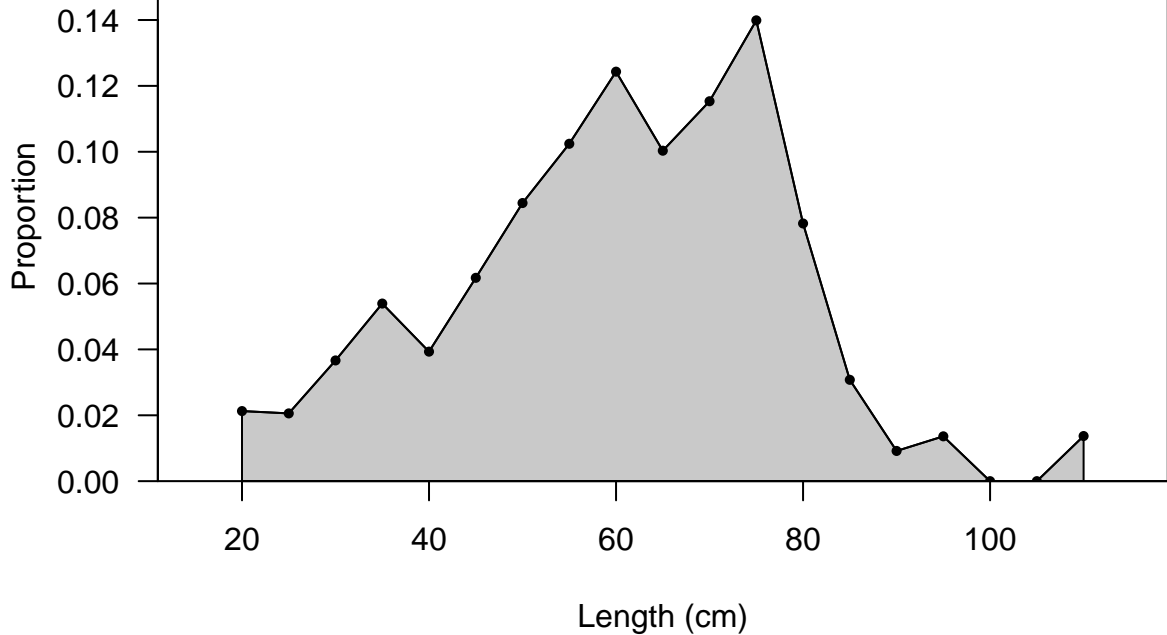


Numbers at age at equilibrium



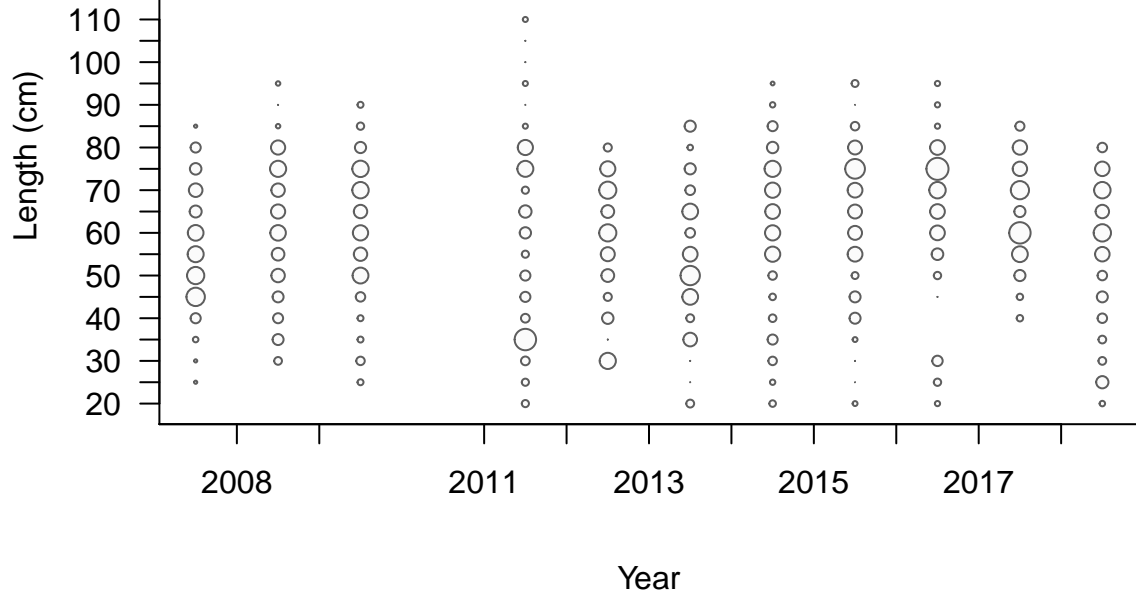
FISHERY

Sum of N adj.=712.5

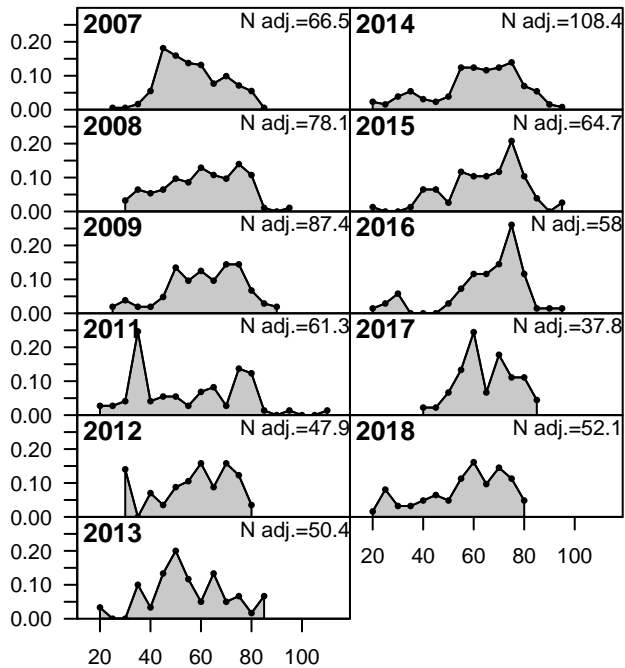


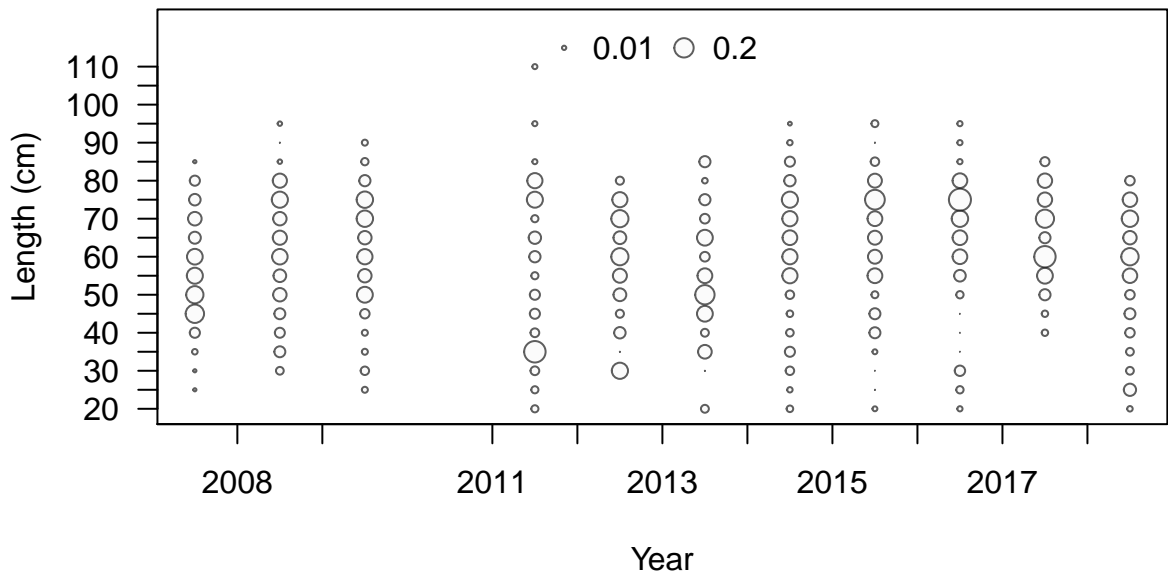
FISHERY

◦ 0.01 ○ 0.2

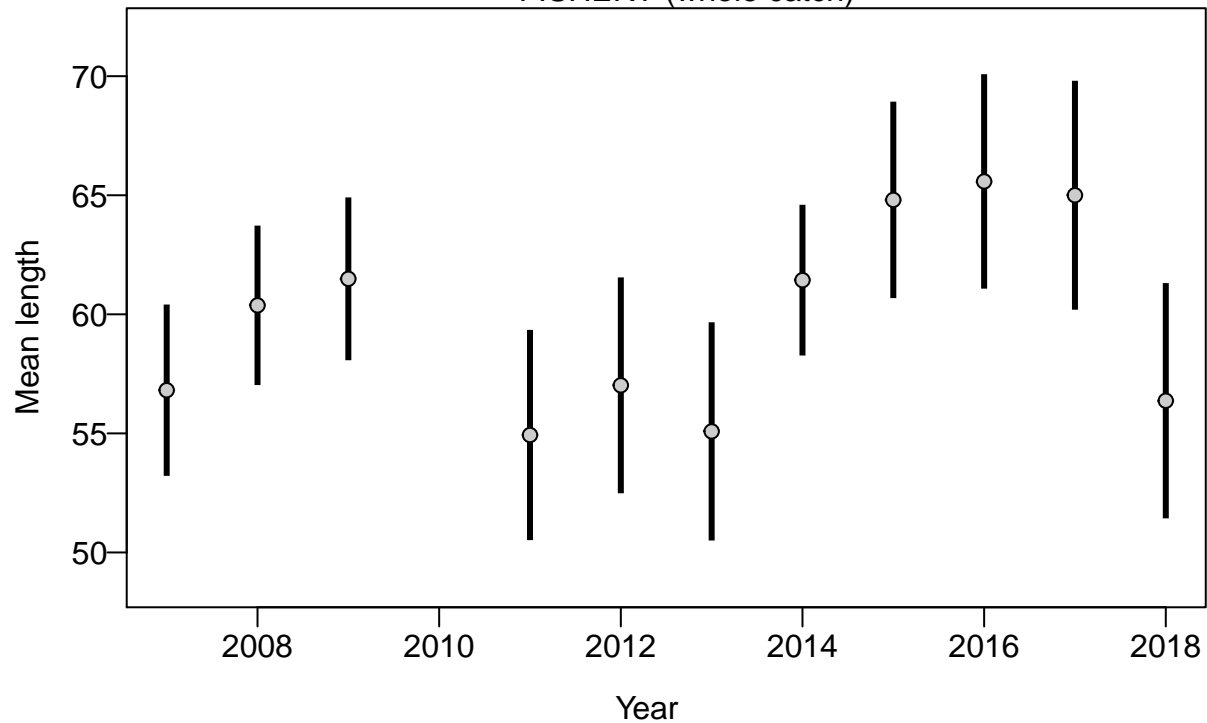


Proportion



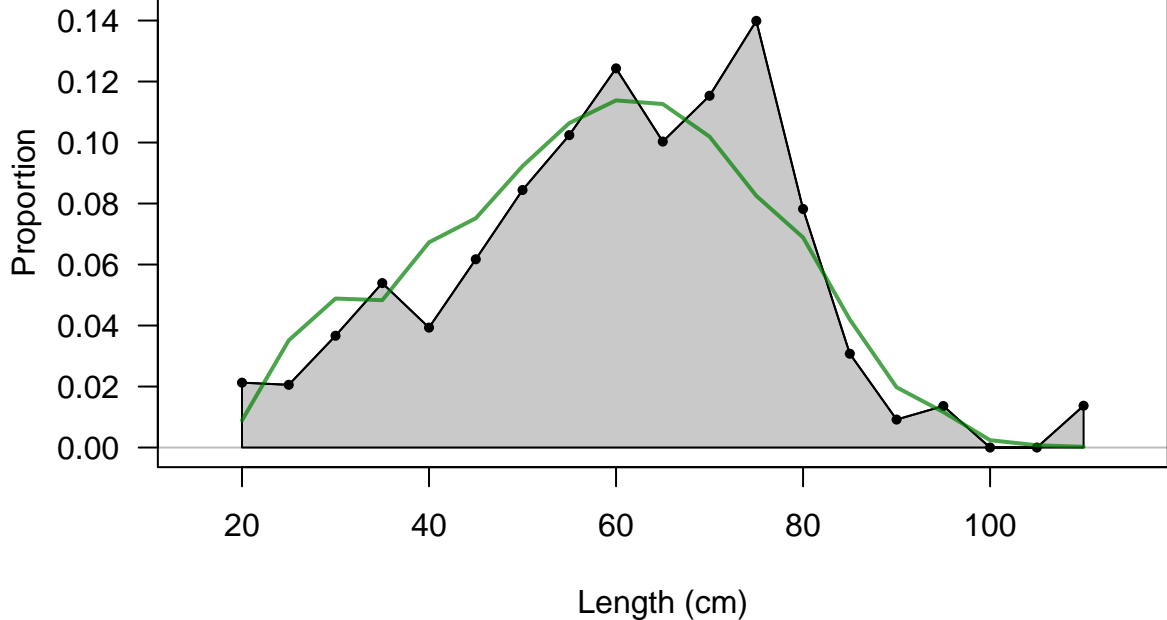


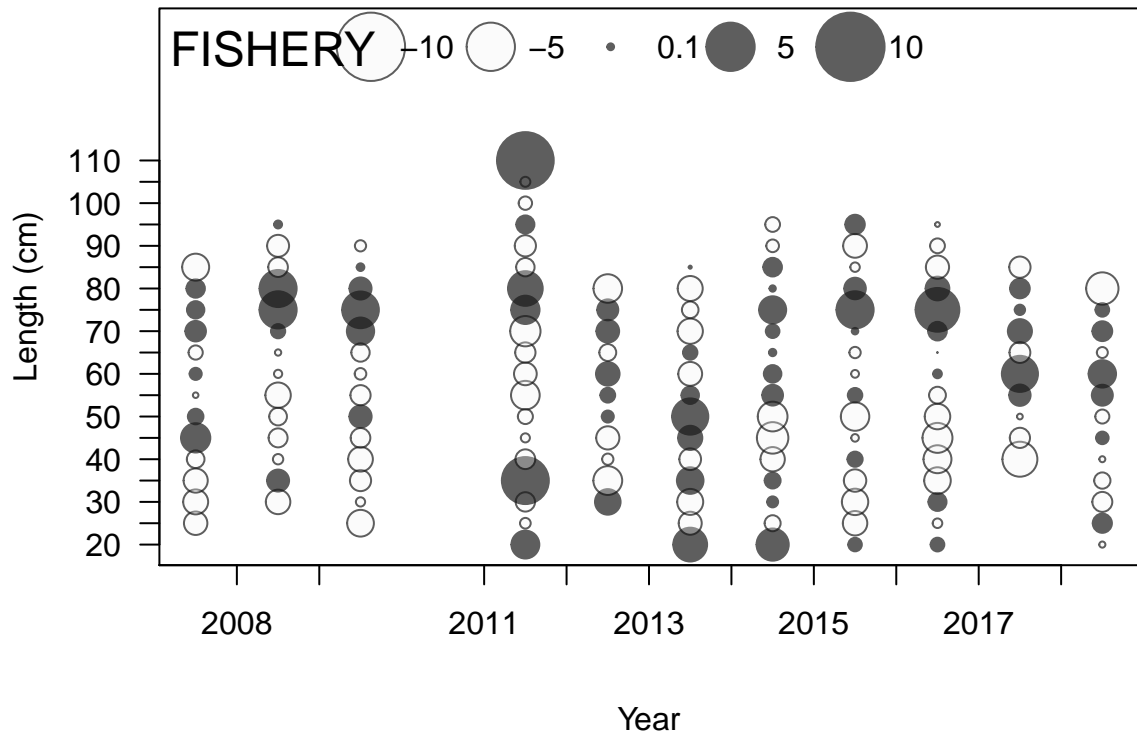
FISHERY (whole catch)



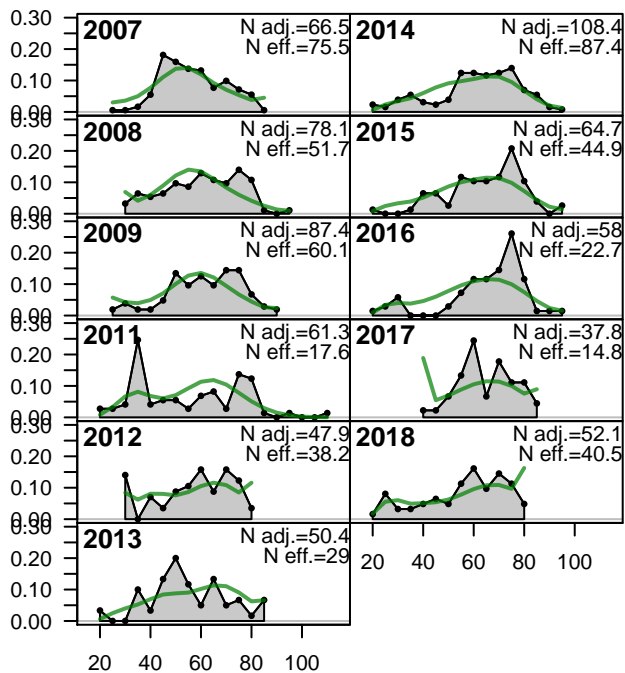
FISHERY

Sum of N adj.=712.5
Sum of N eff.=482.3

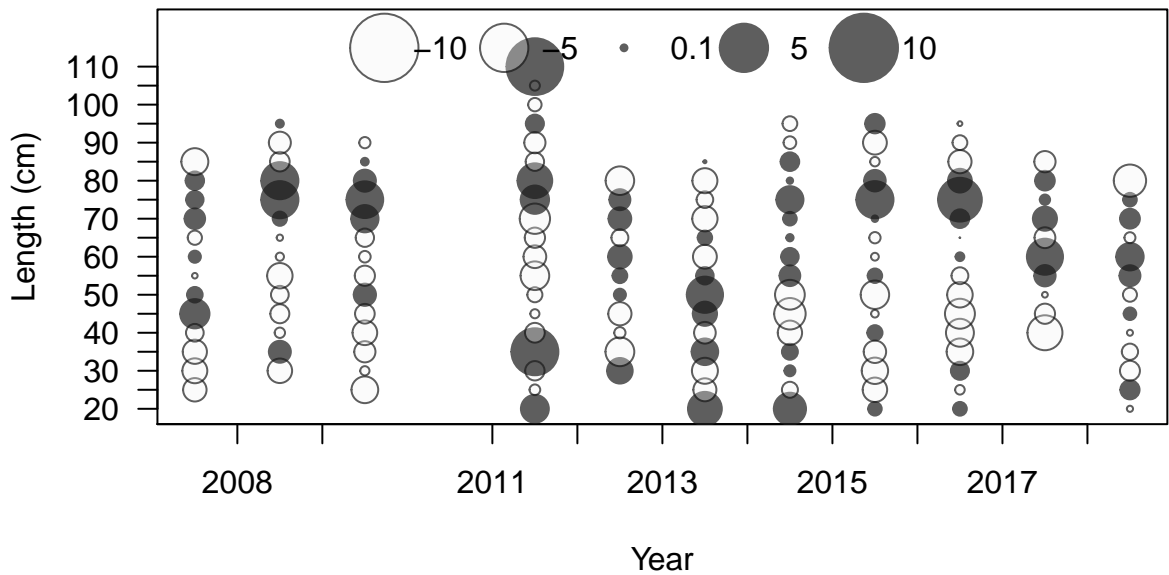


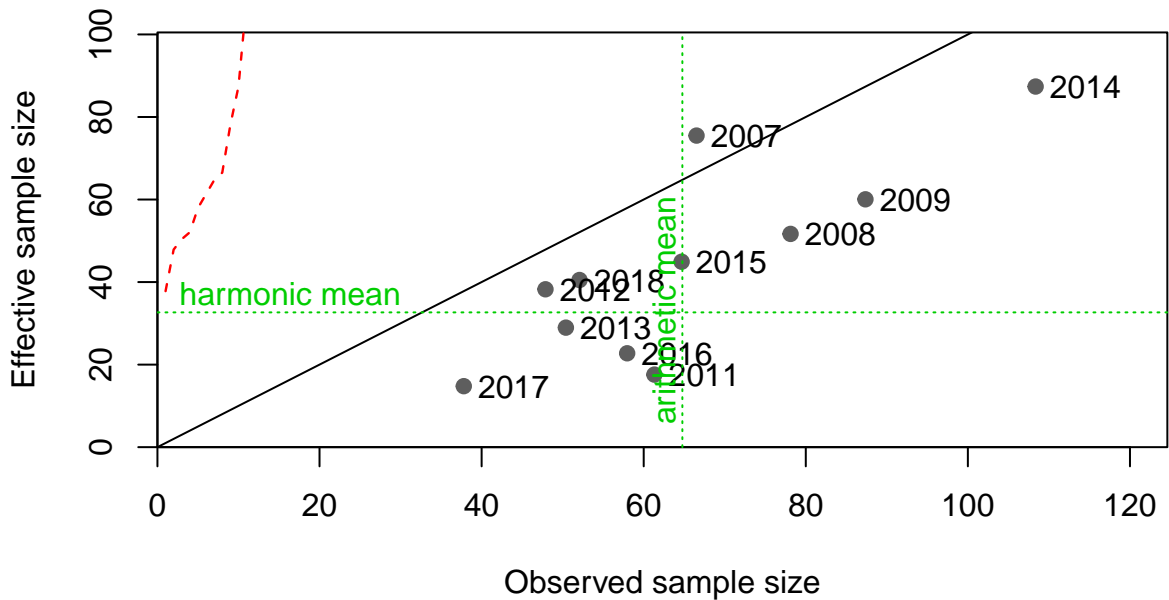


Proportion

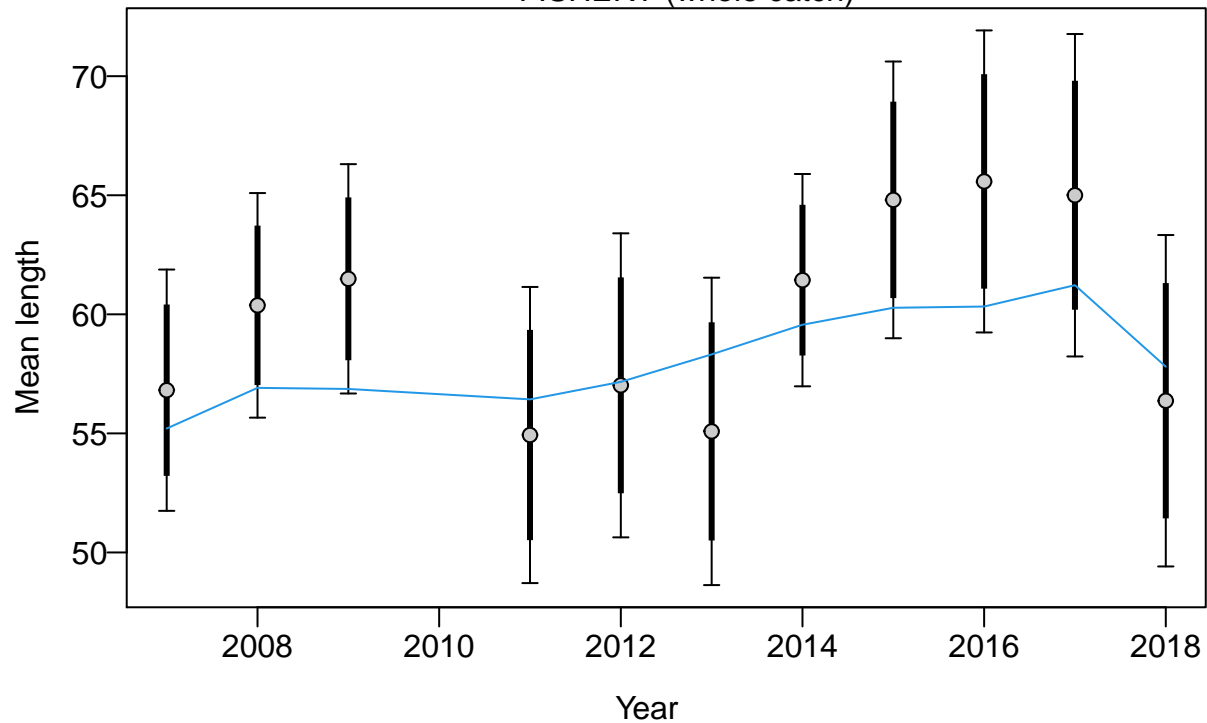


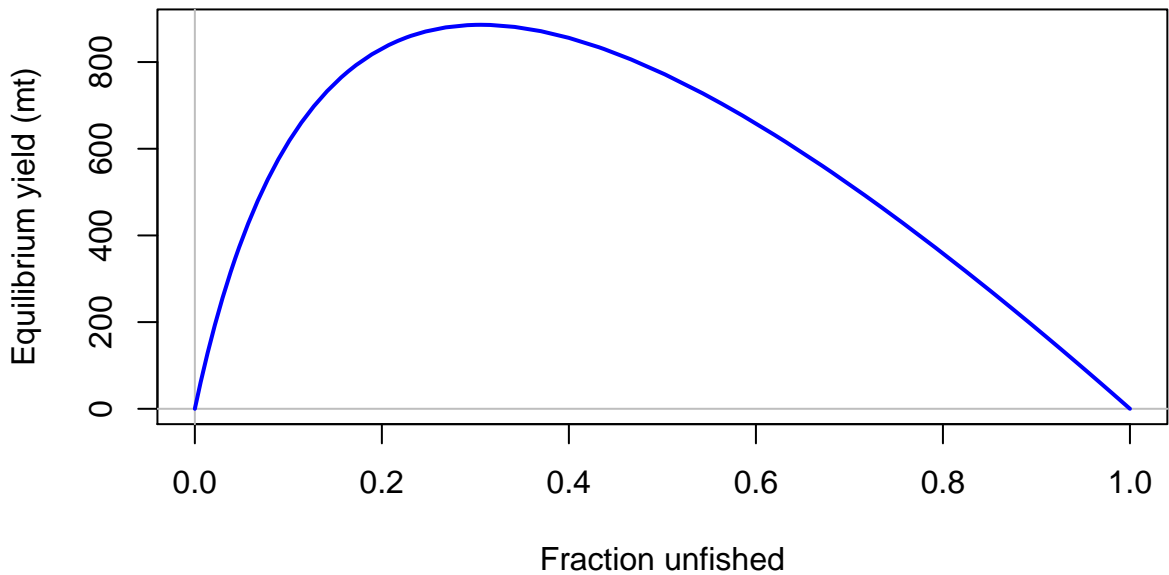
Length (cm)

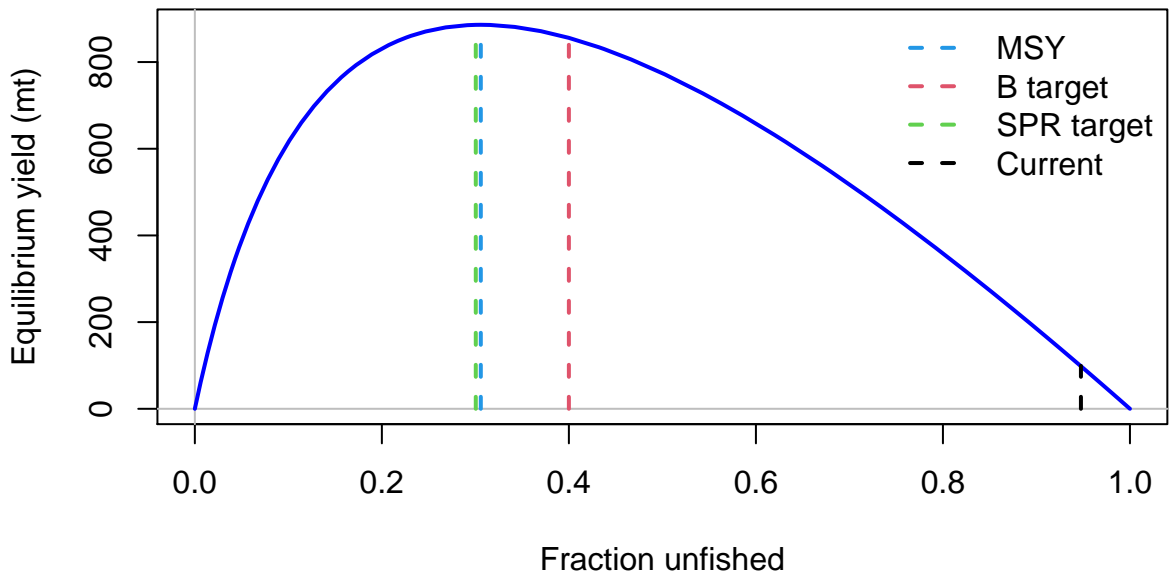


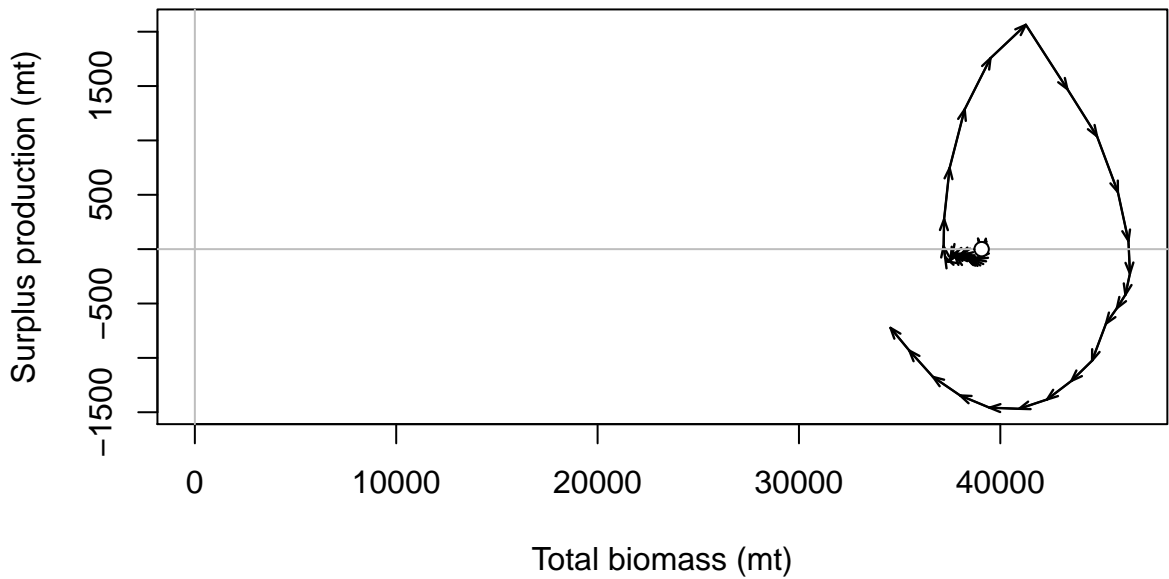


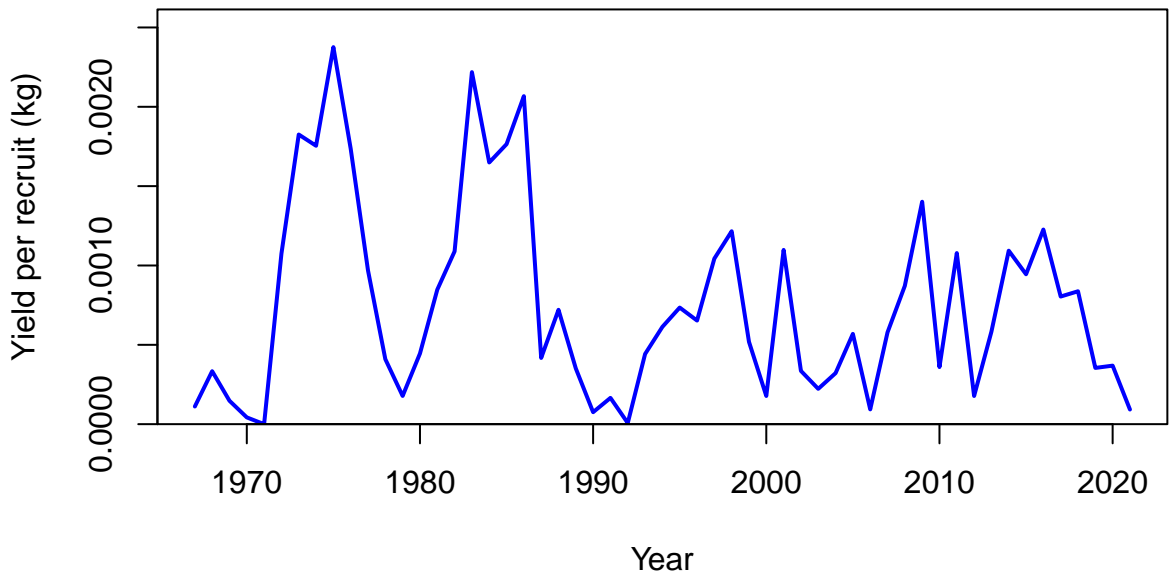
FISHERY (whole catch)

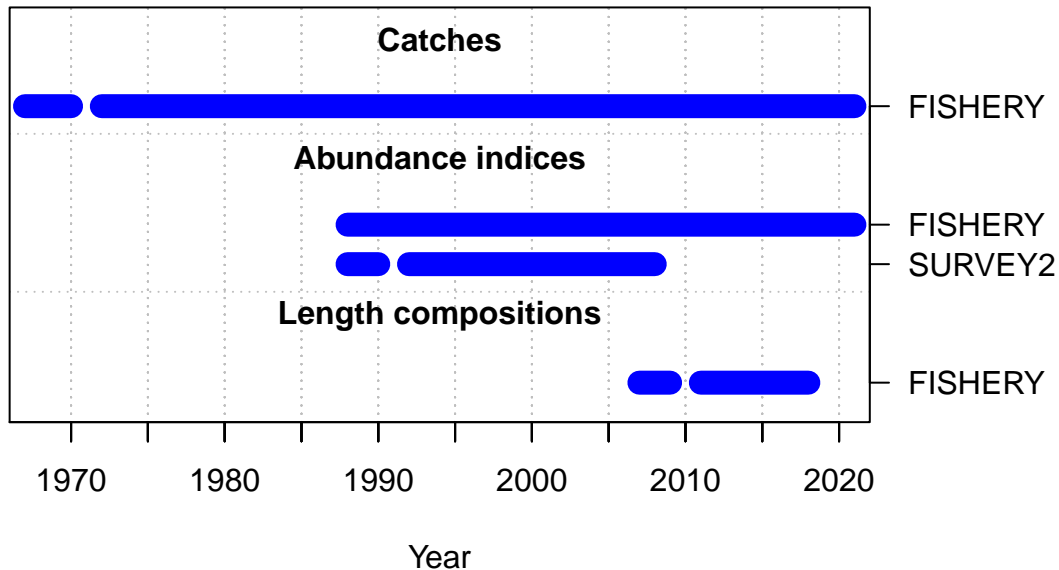


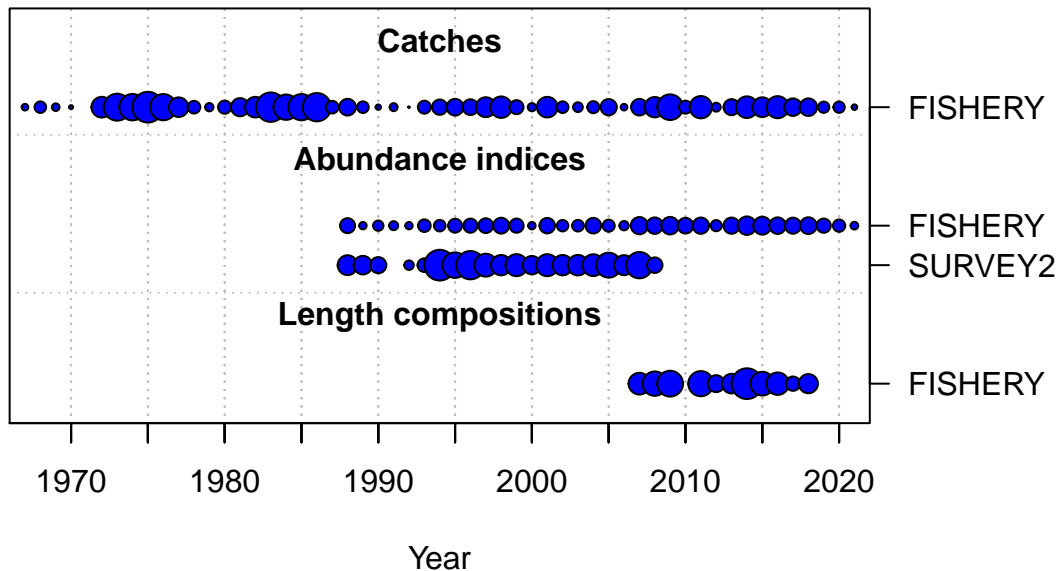




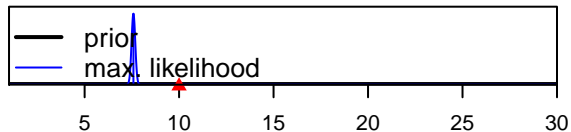




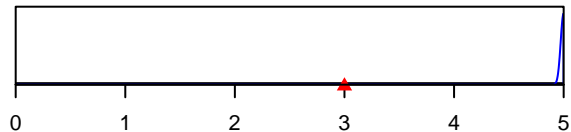




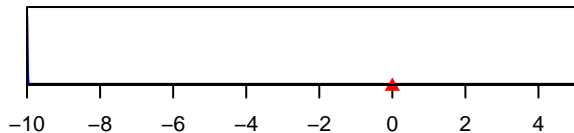
SR_LN(R0)



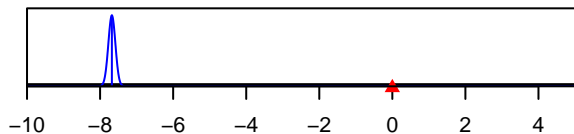
Size_95%width_FISHERY(1)



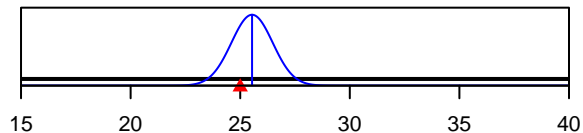
LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Size_inflection_FISHERY(1)



Parameter value