

Plots created using the 'r4ss' package in R

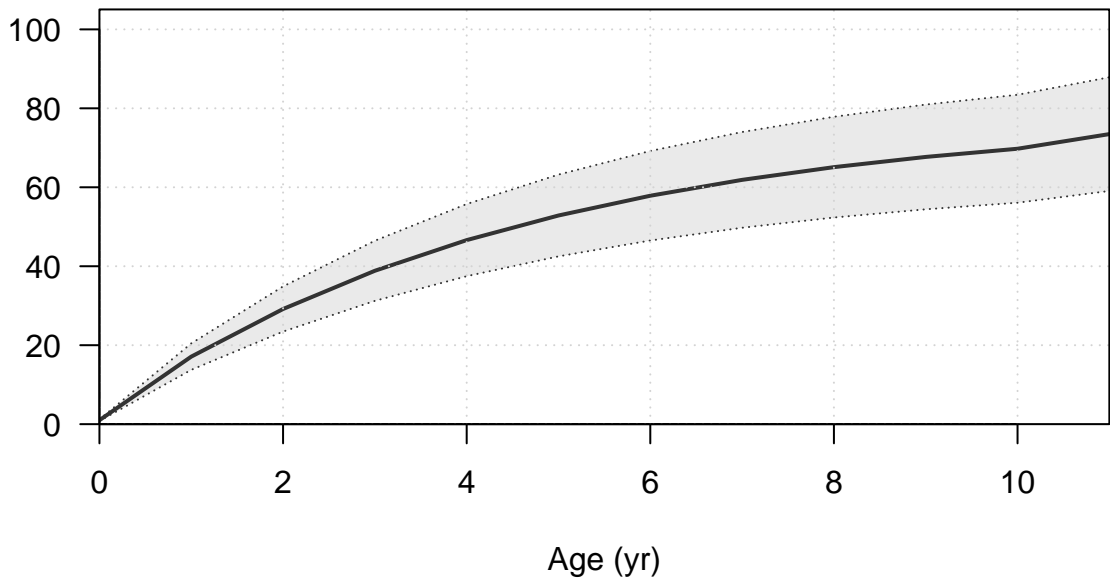
Stock Synthesis version: 3.30.19.0

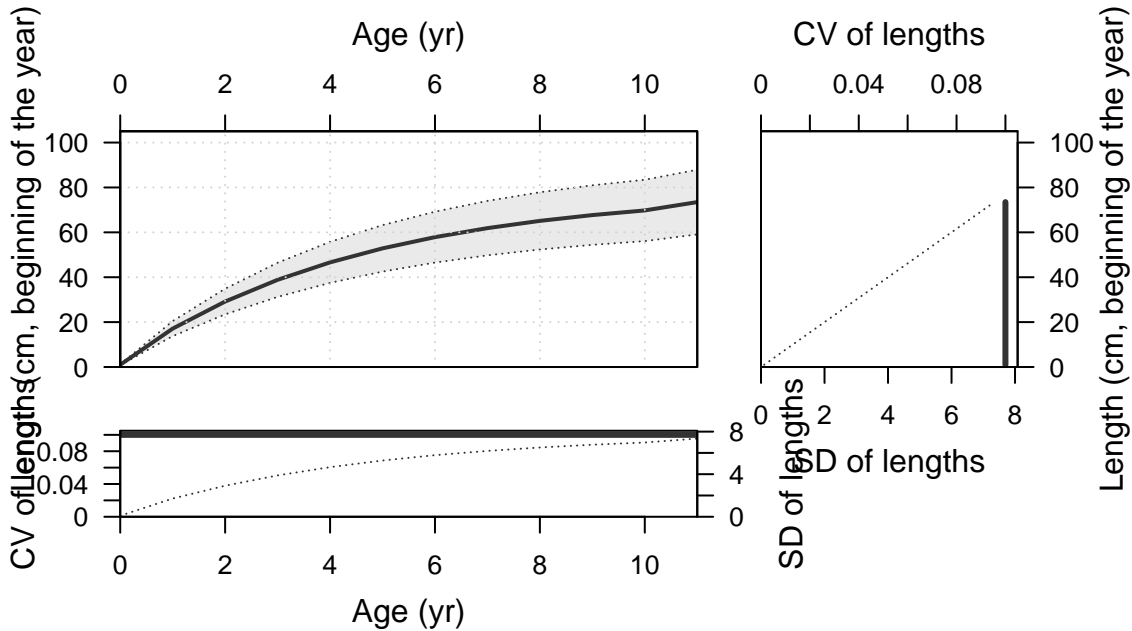
StartTime: Mon Jul 11 16:03:28 2022

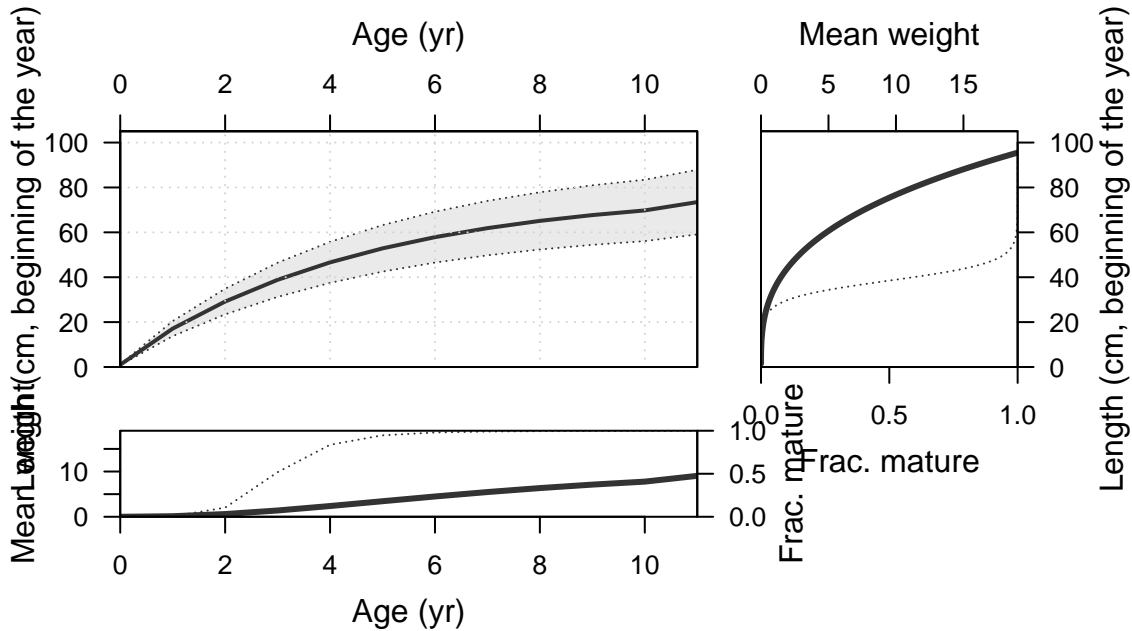
Data_File: data.ss

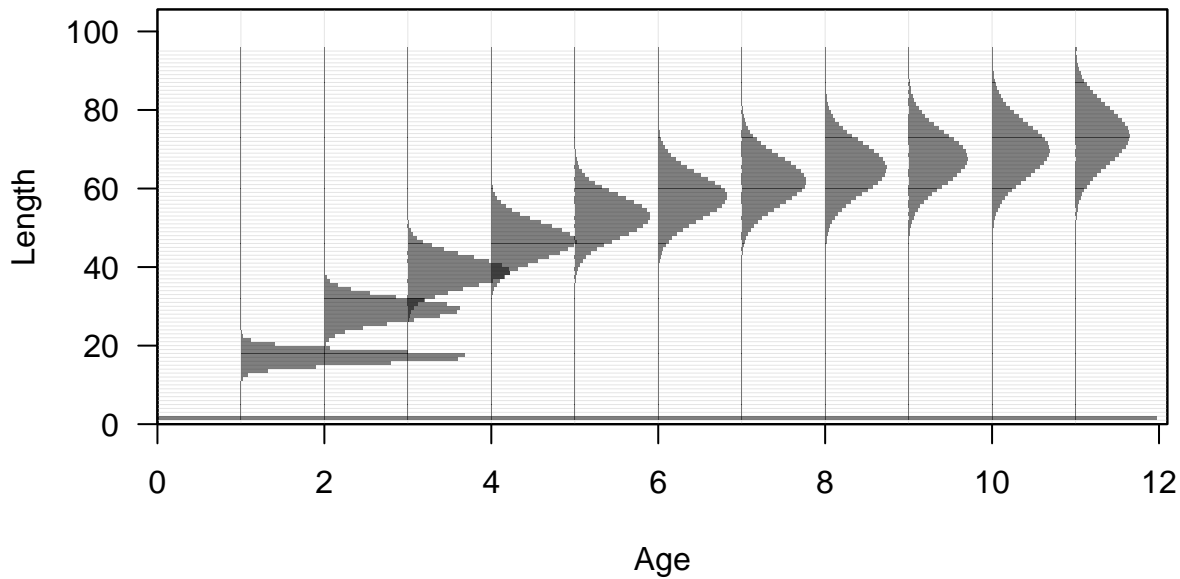
Control_File: control.ss

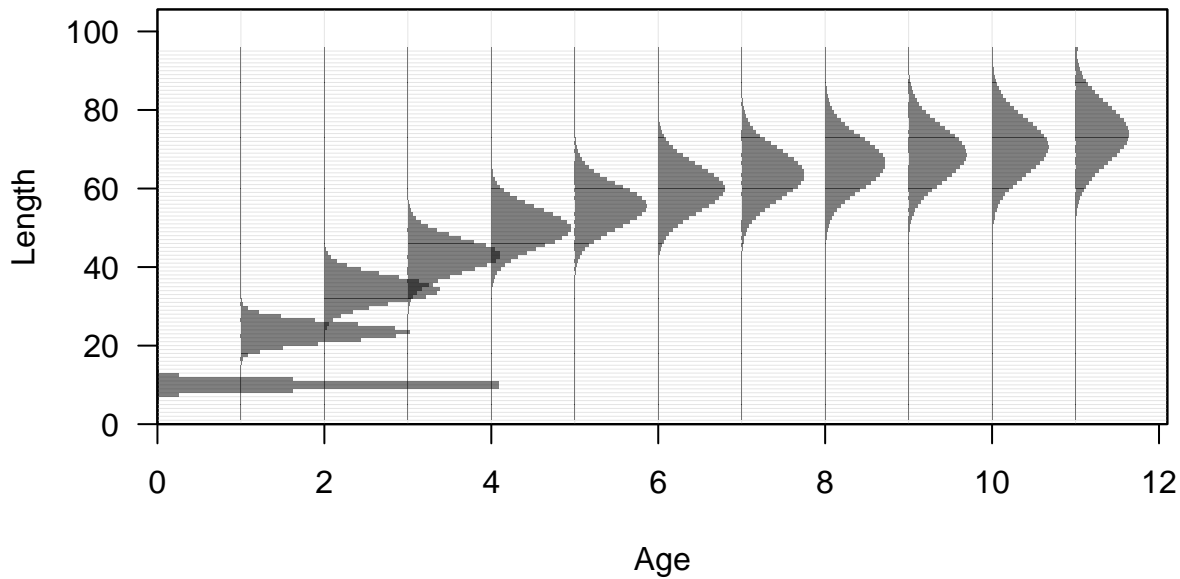
Length (cm, beginning of the year)

















Fecundity

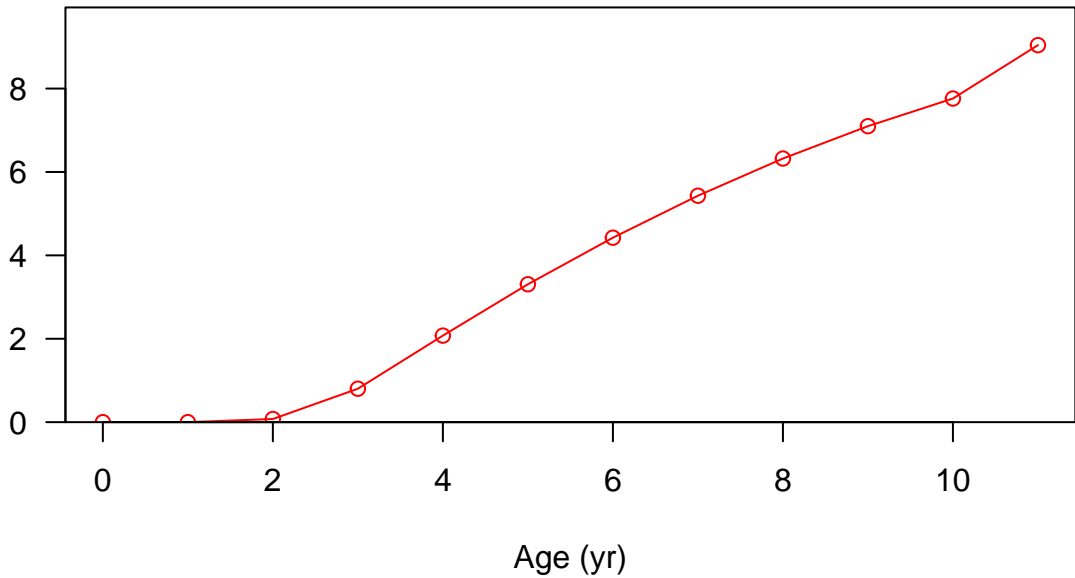




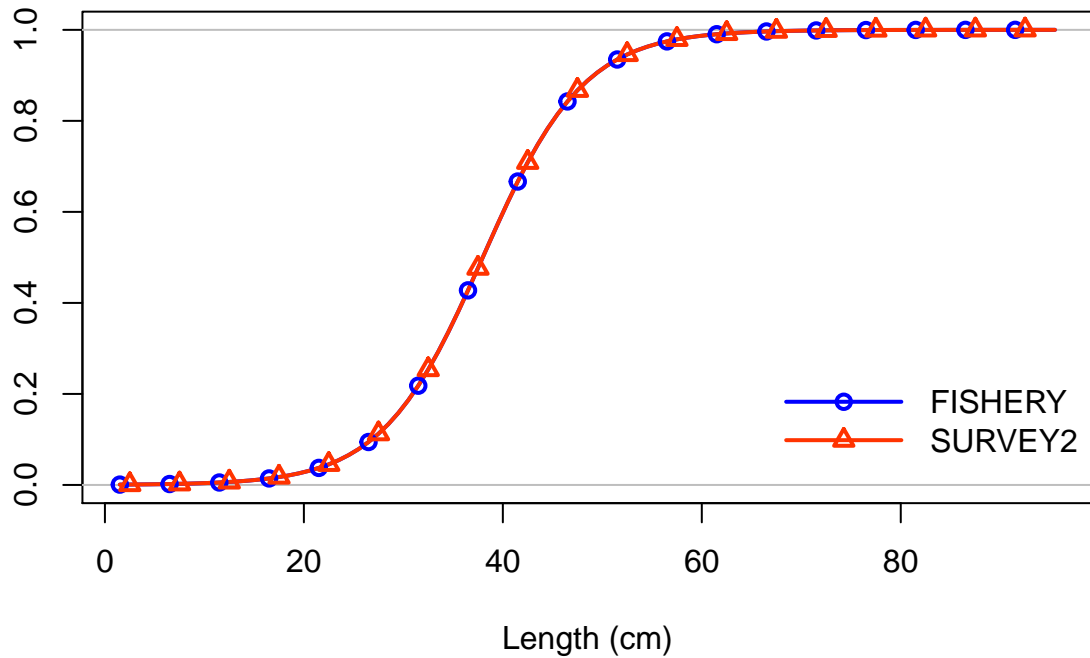
Spawning output



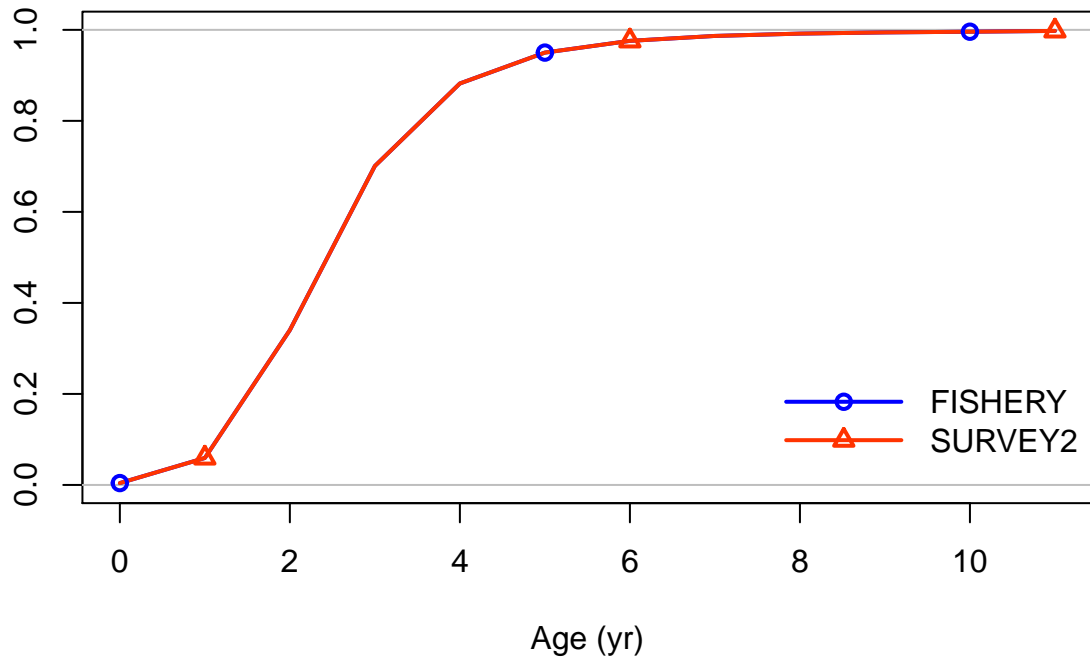
Spawning output



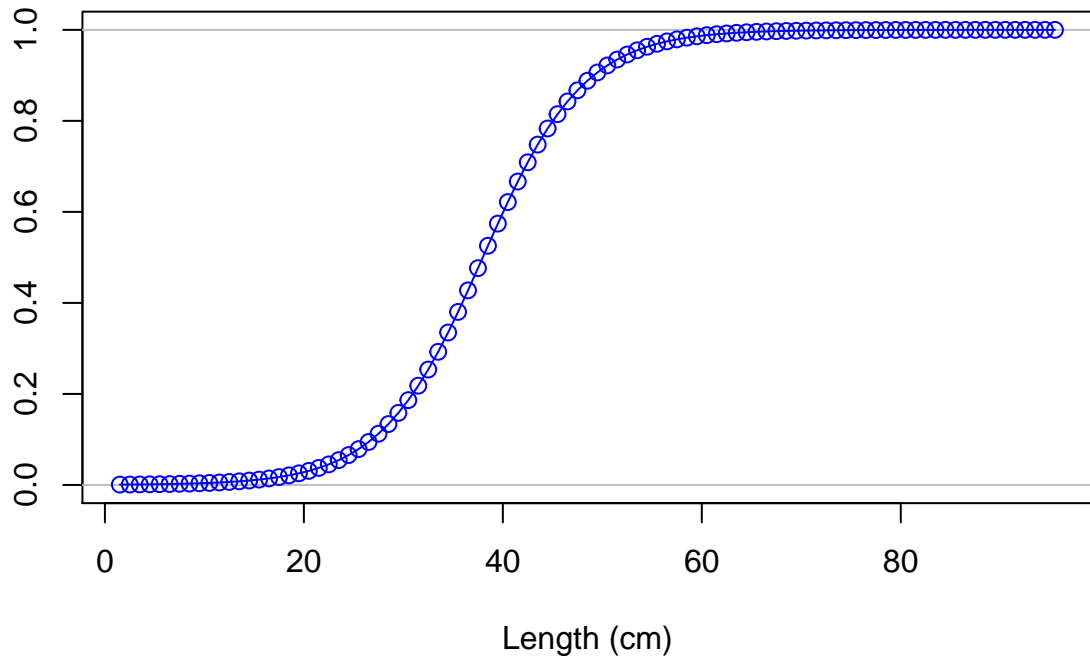
Selectivity



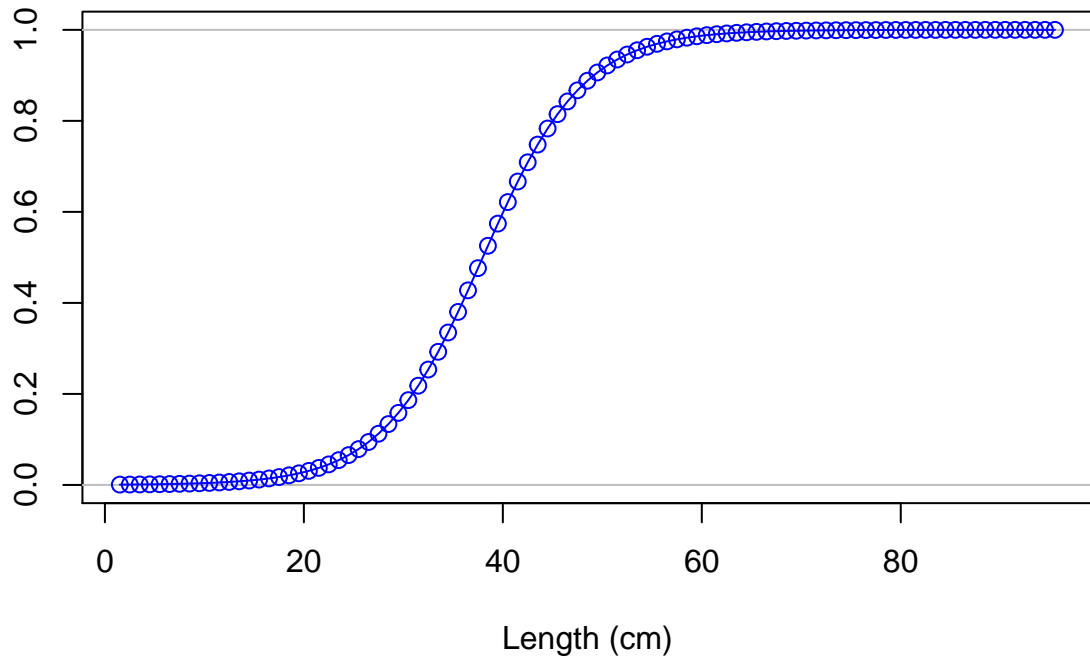
Selectivity

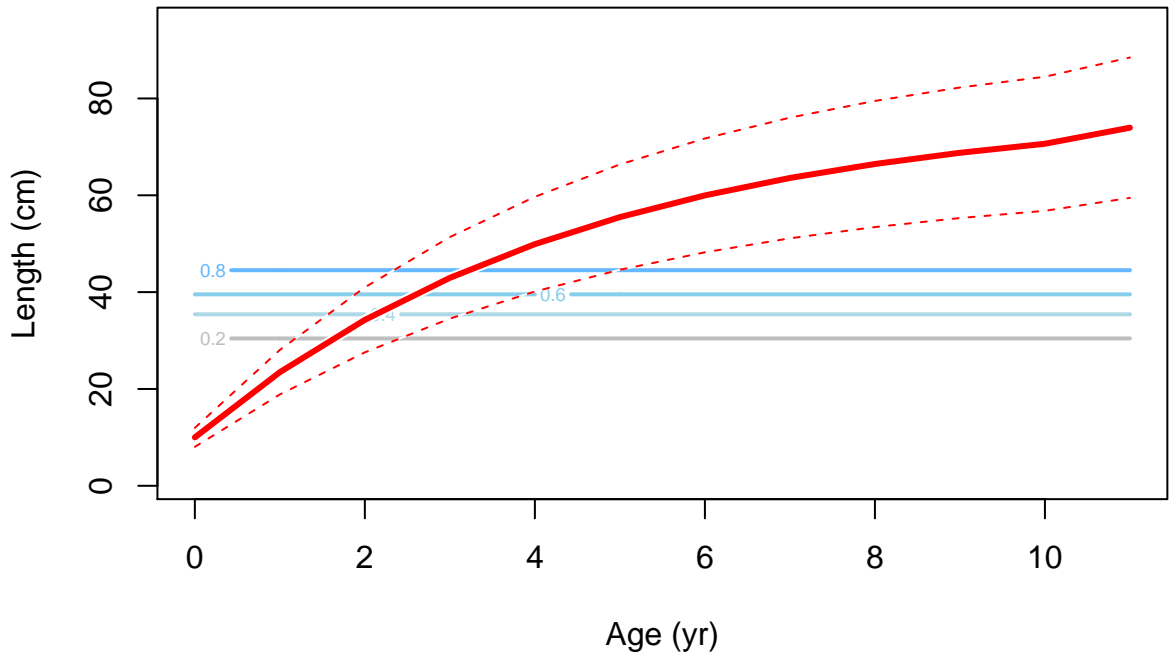


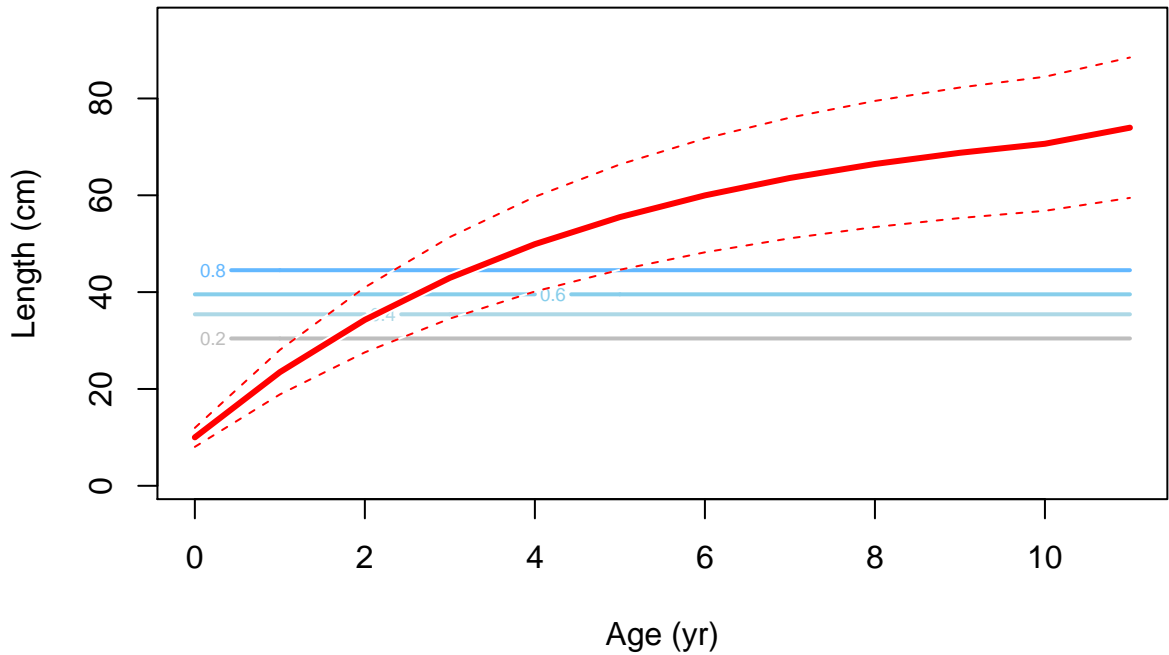
Selectivity



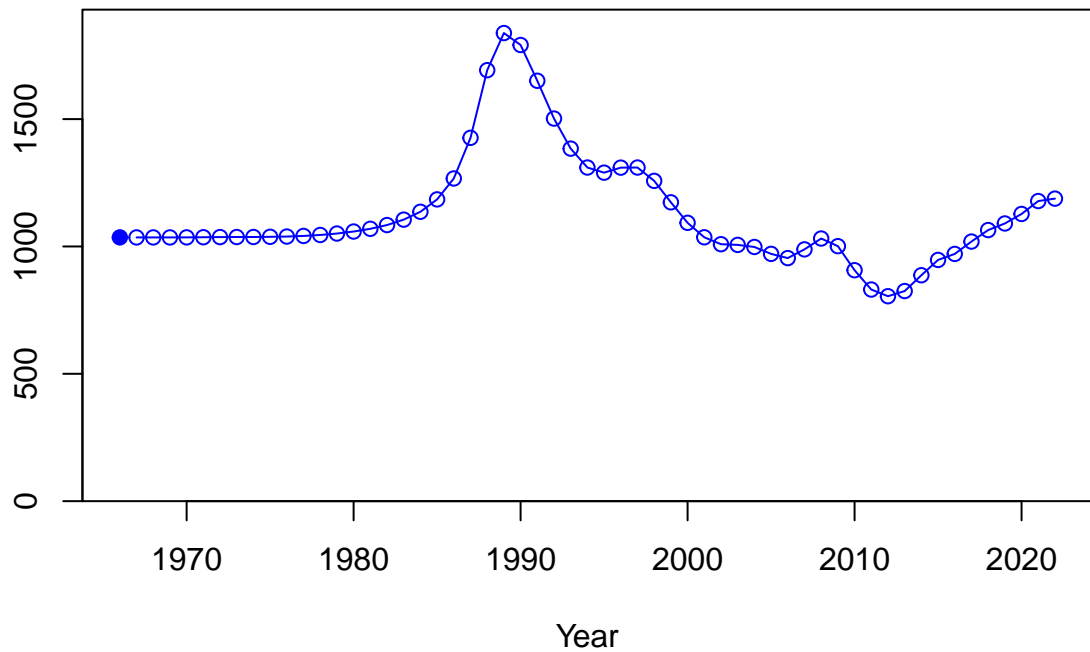
Selectivity



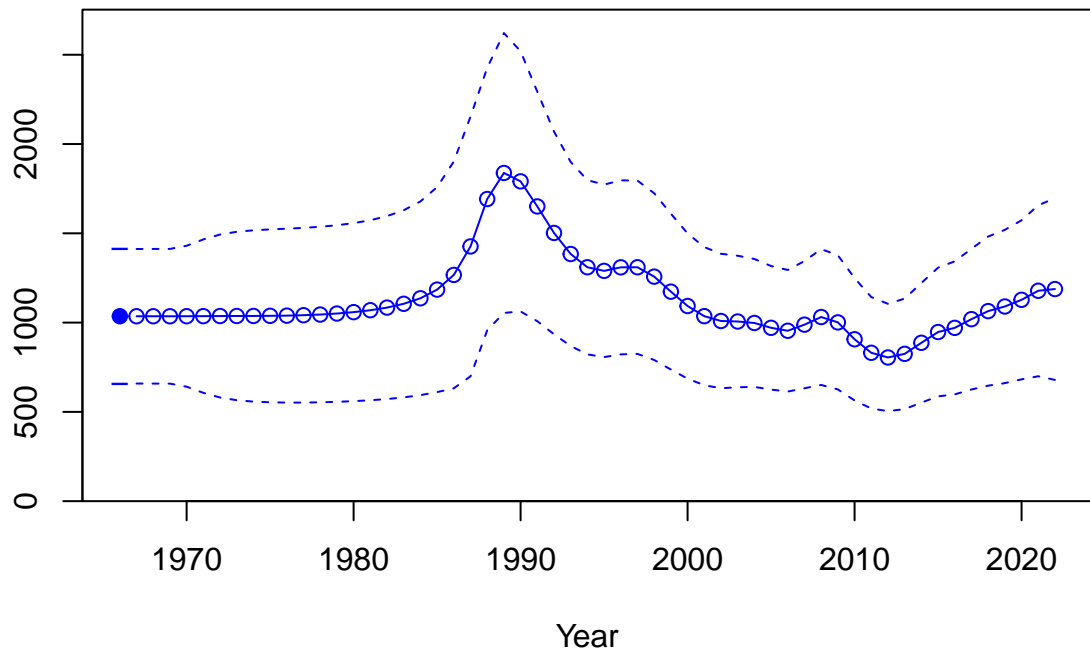




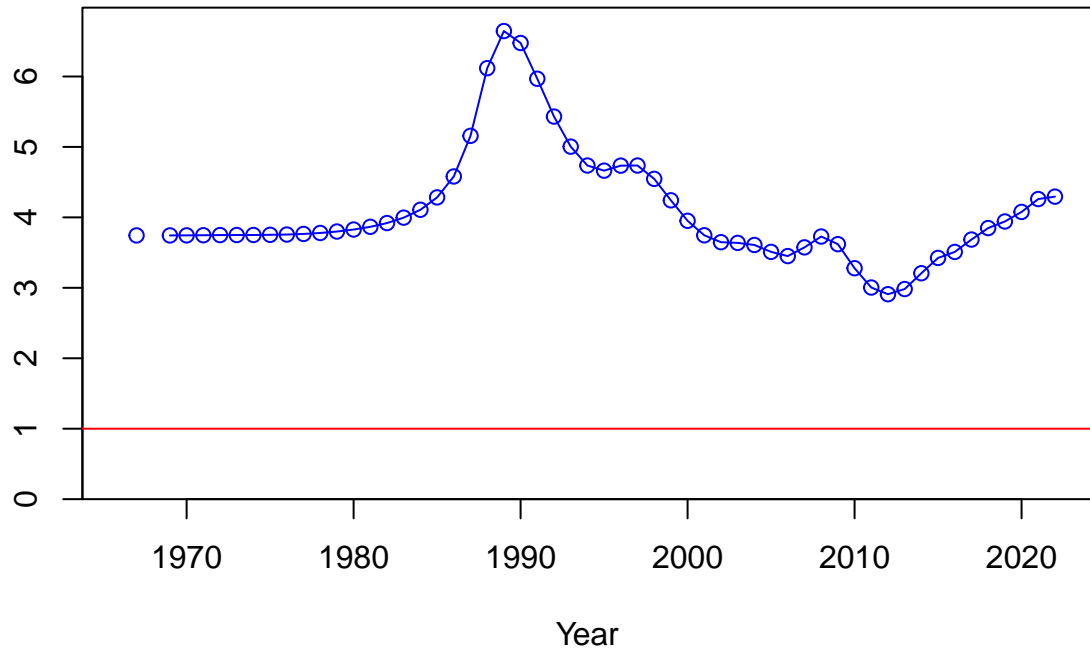
Spawning biomass (mt)



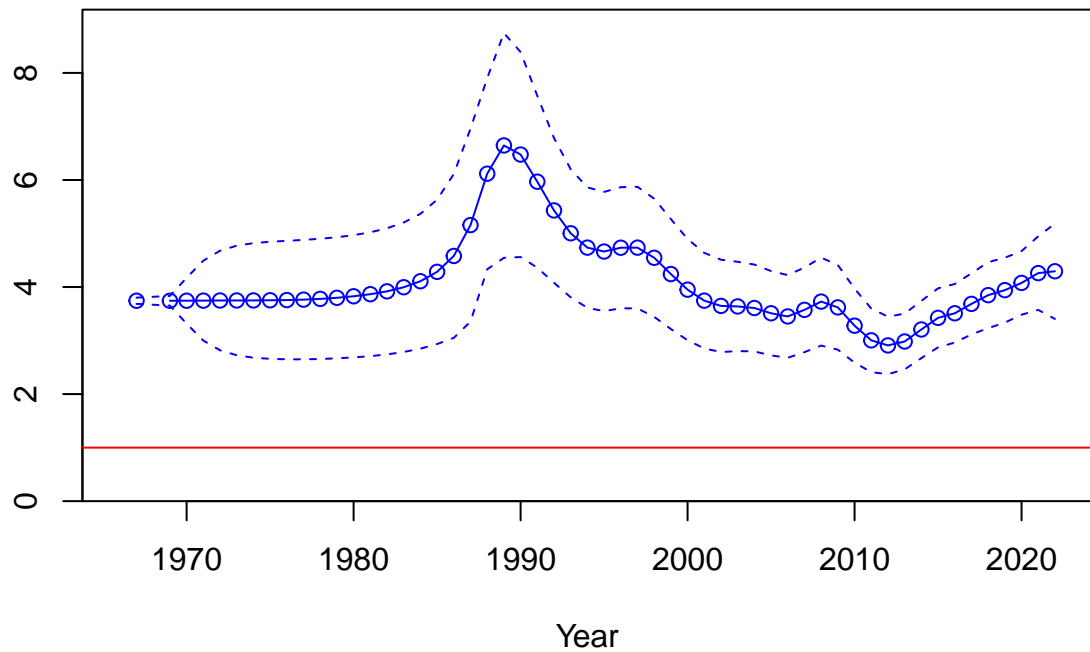
Spawning biomass (mt)

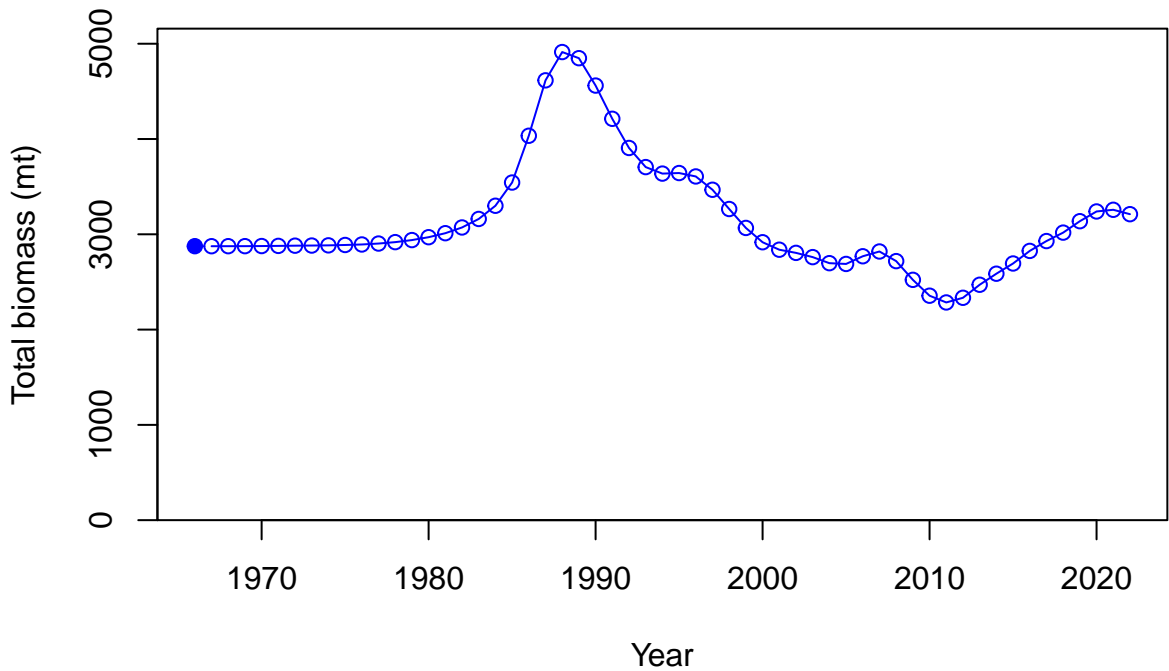


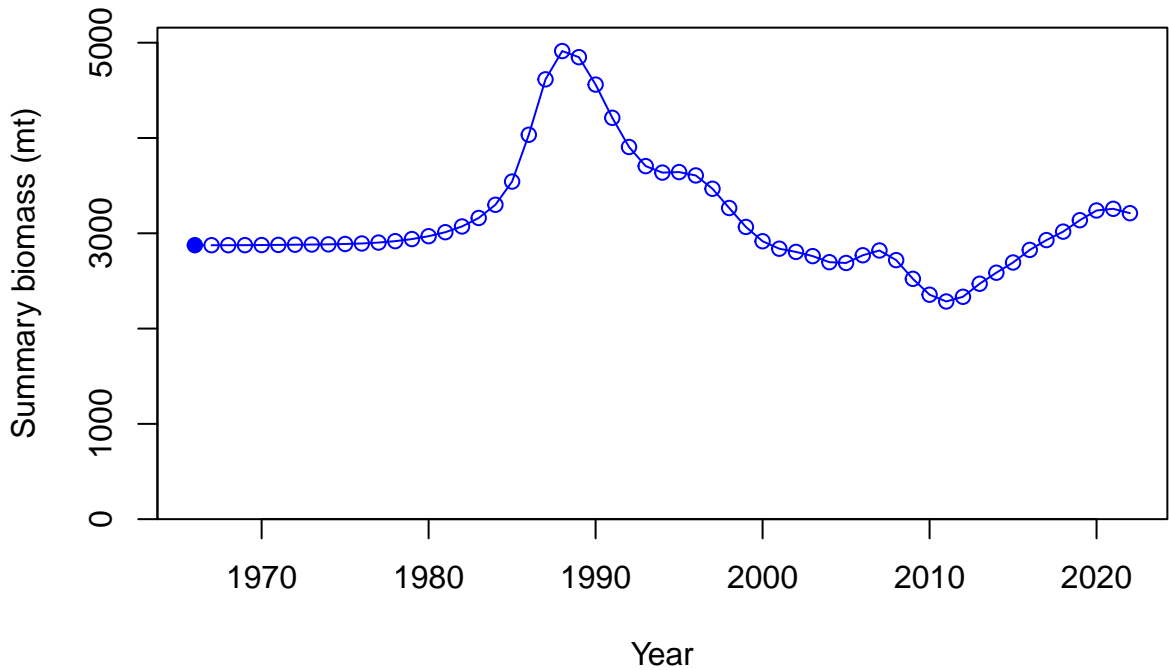
Relative spawning biomass: B/B_{MSY}



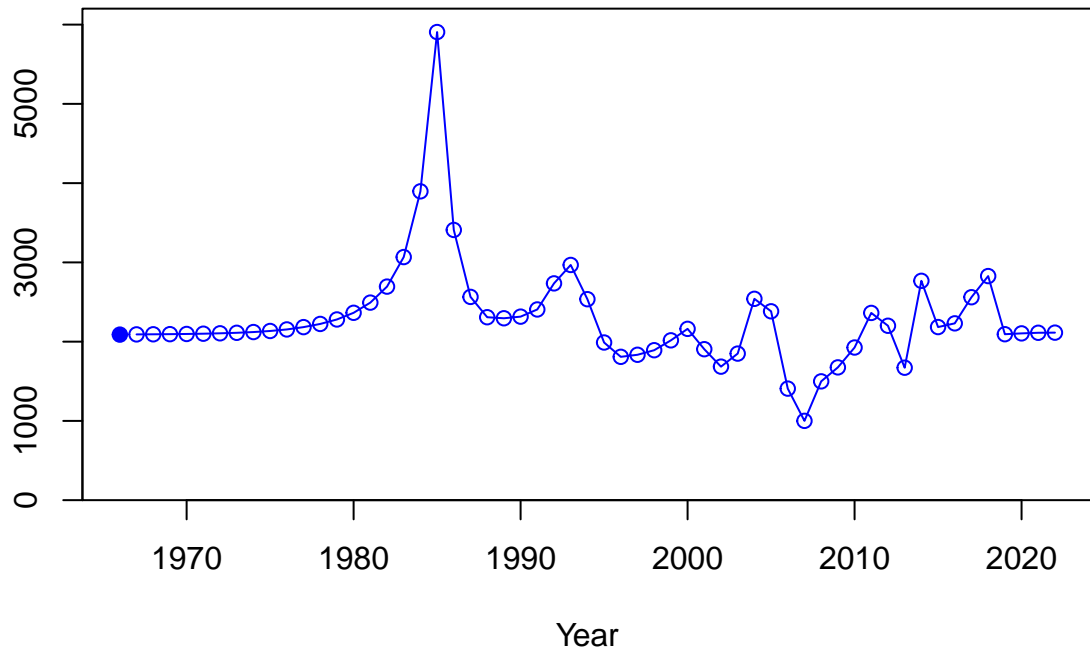
Relative spawning biomass: B/B_{MSY}

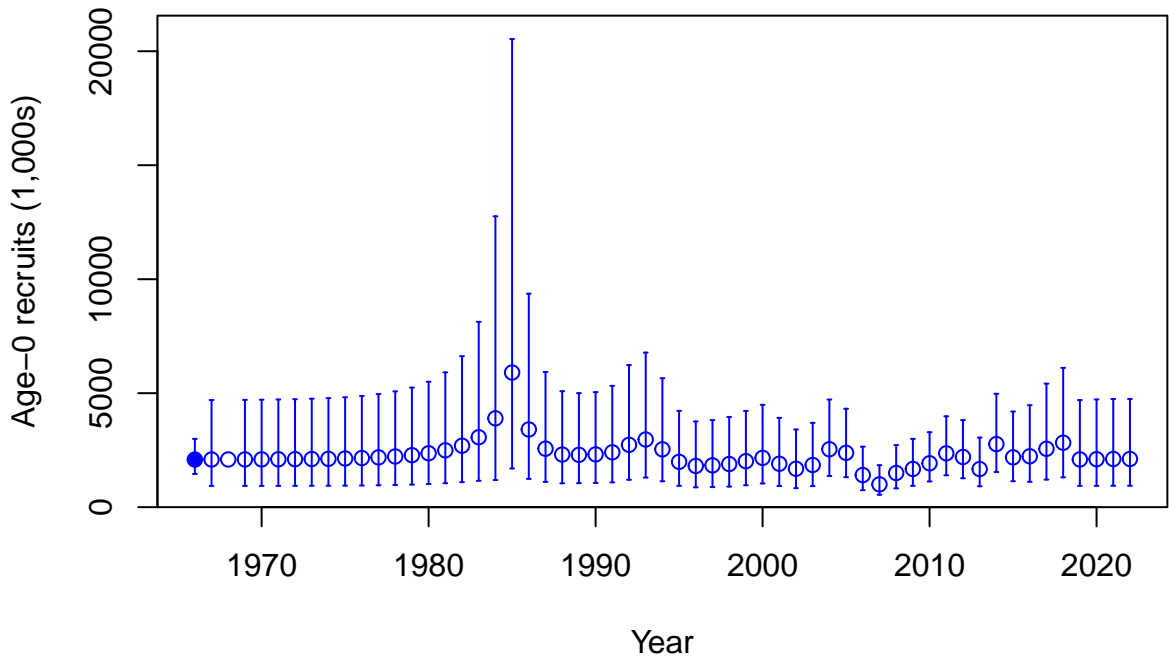




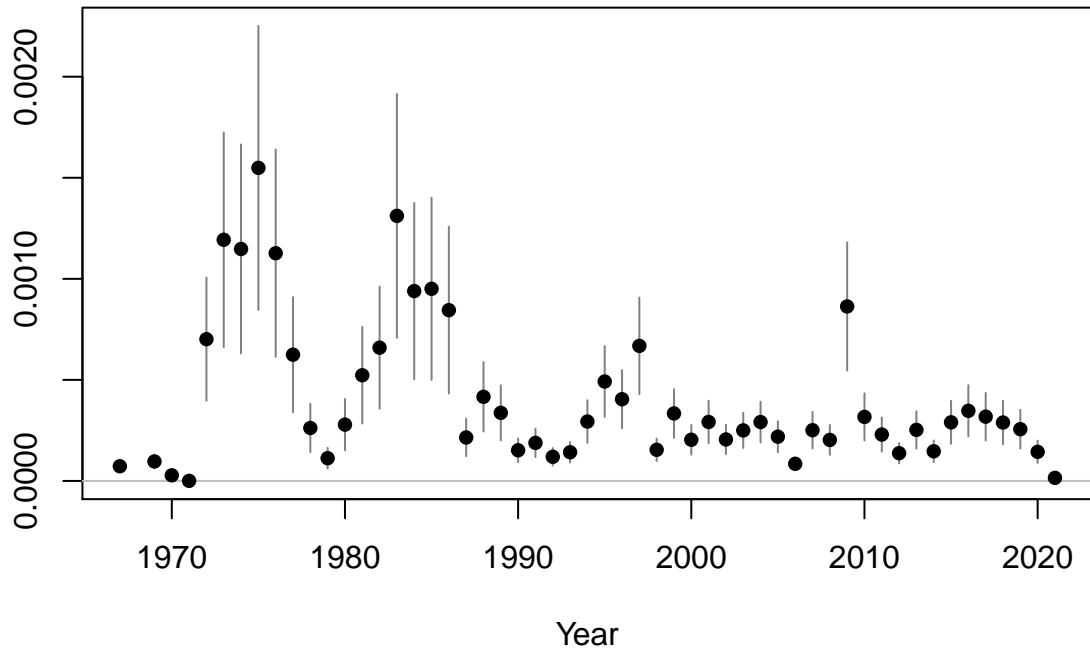


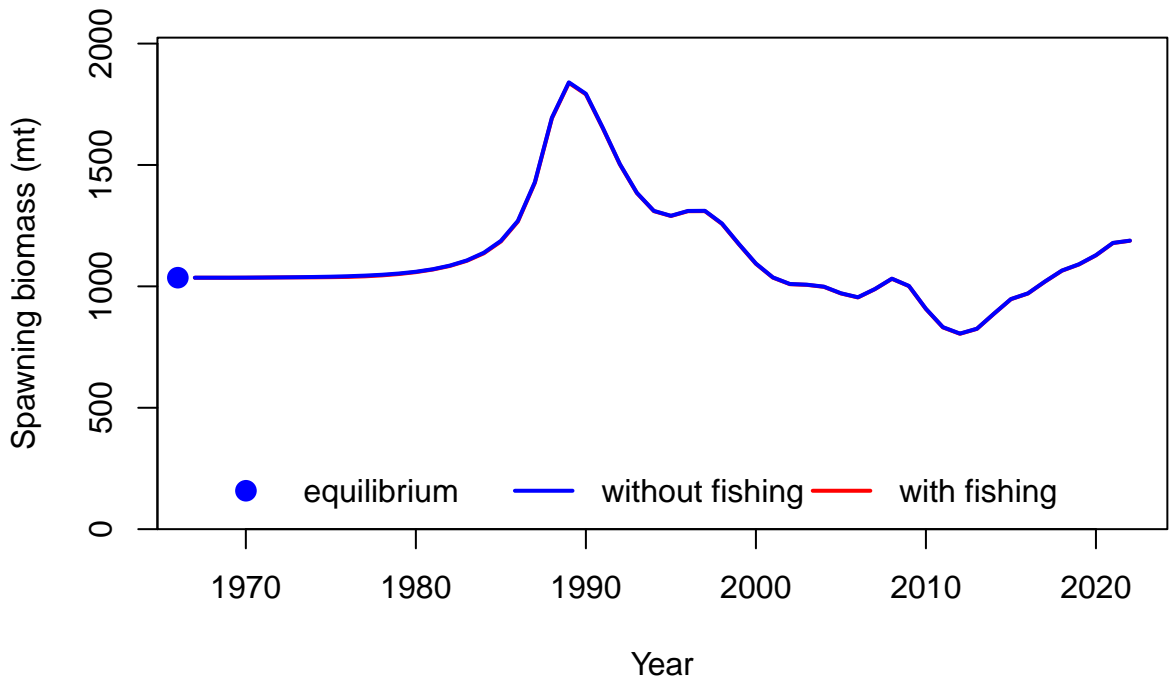
Age-0 recruits (1,000s)



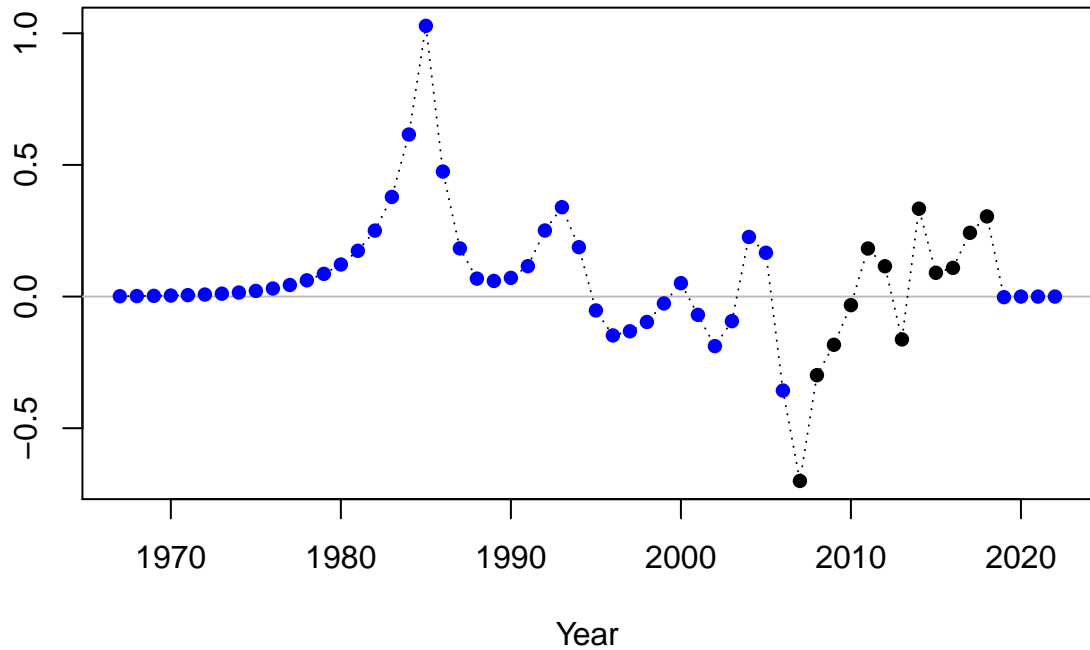


Summary Fishing Mortality





Log recruitment deviation



Log recruitment deviation

2
1
0
-1

1970

1980

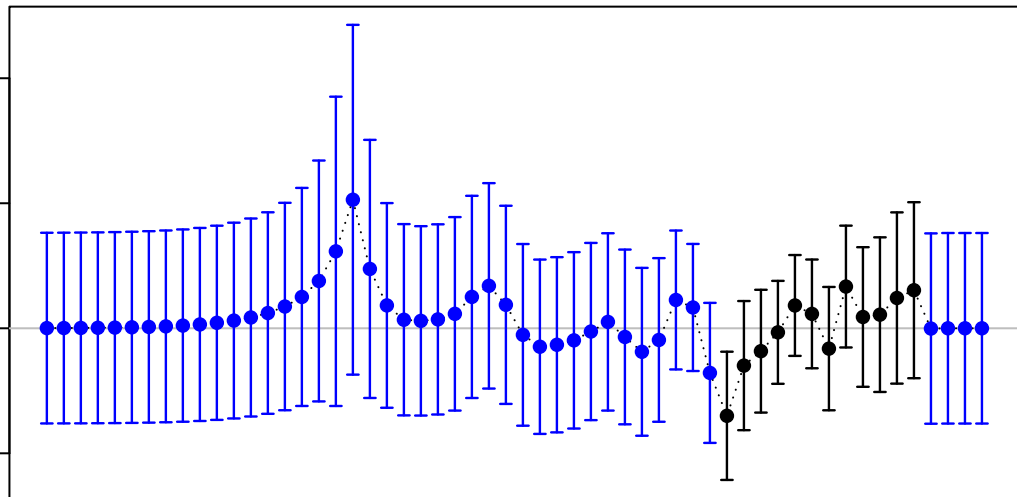
1990

2000

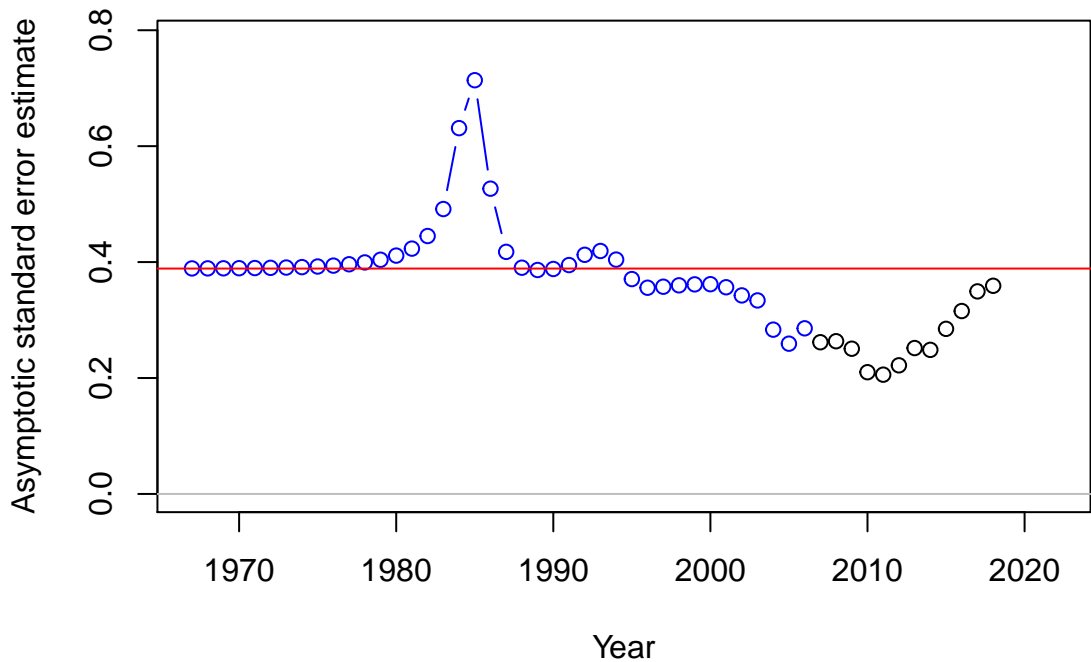
2010

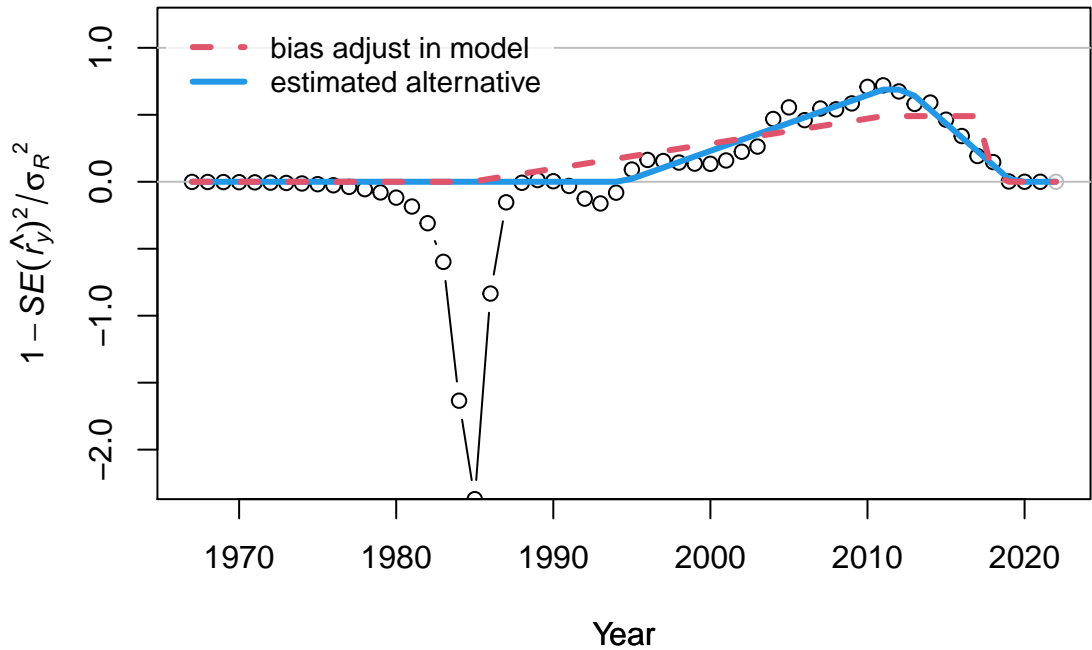
2020

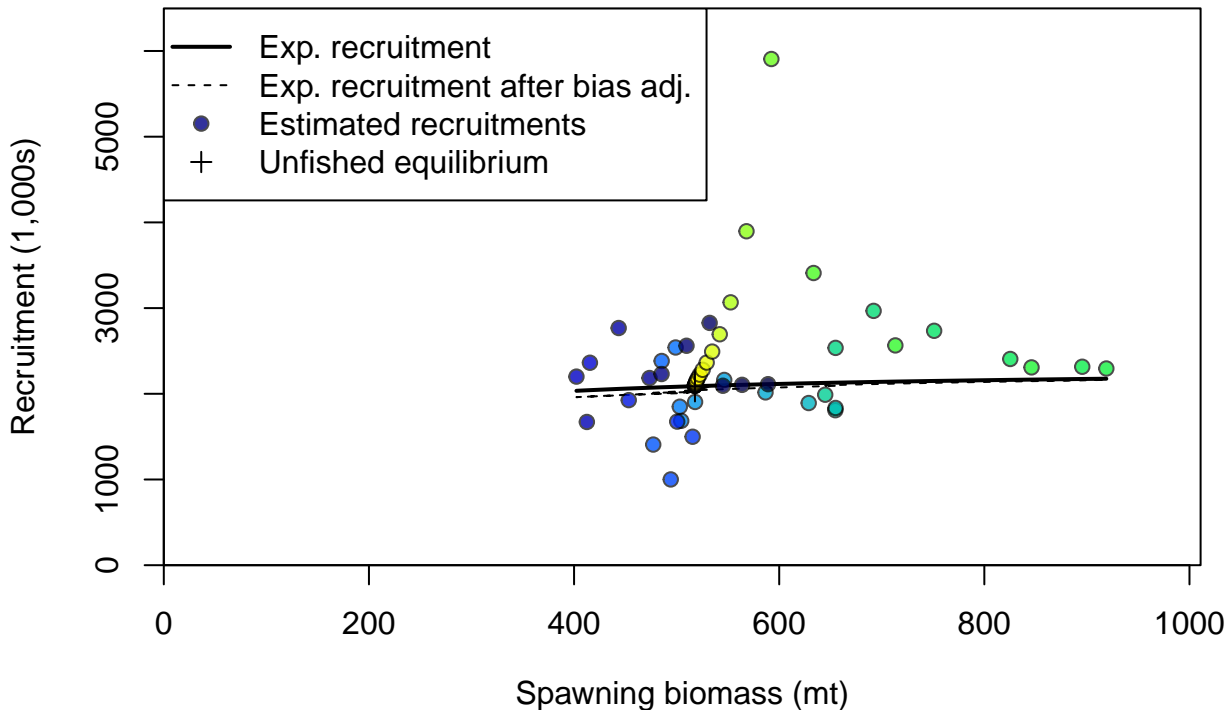
Year

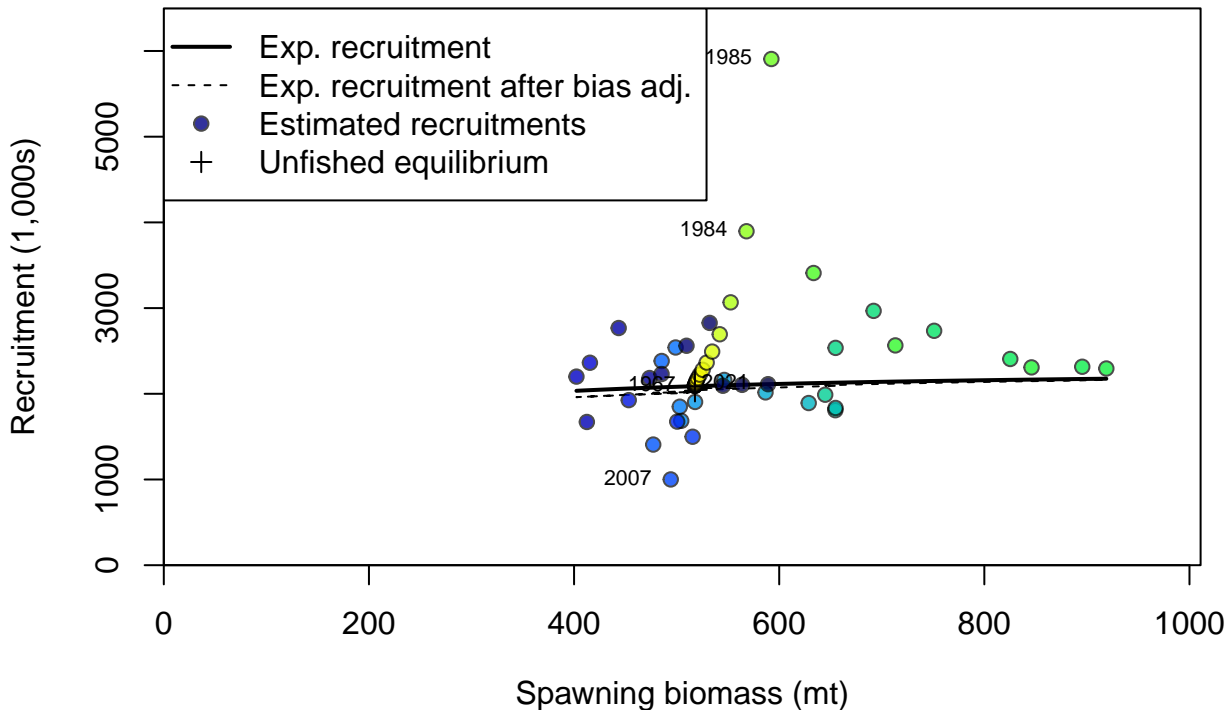


Recruitment deviation variance

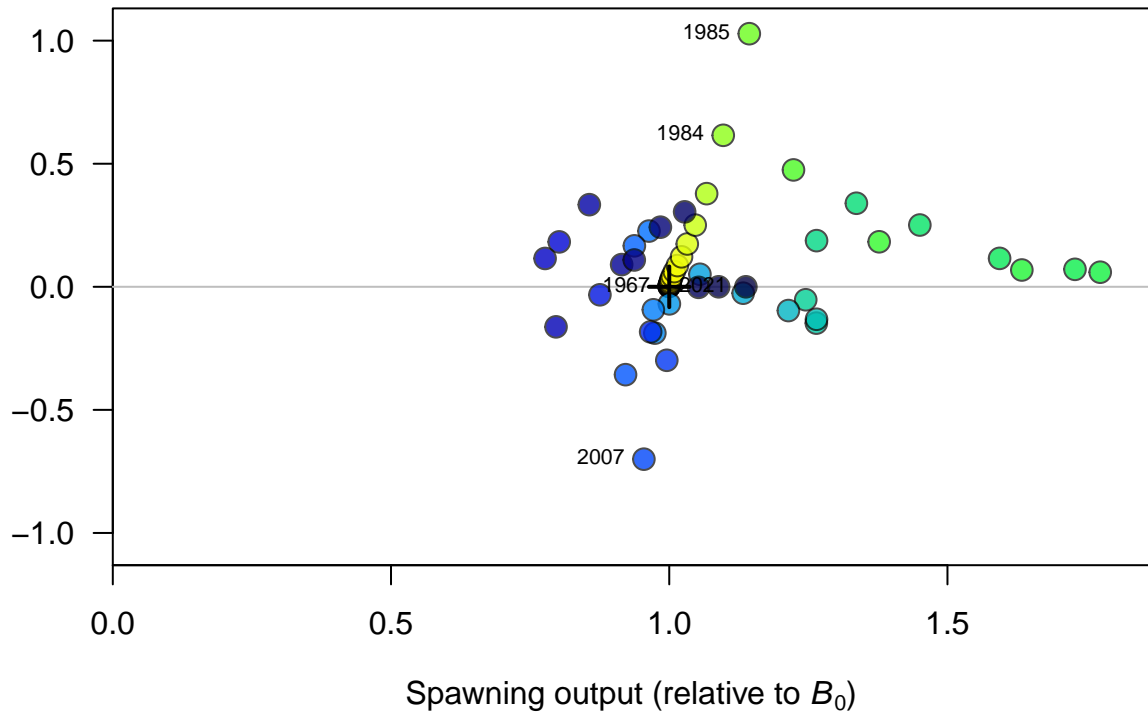


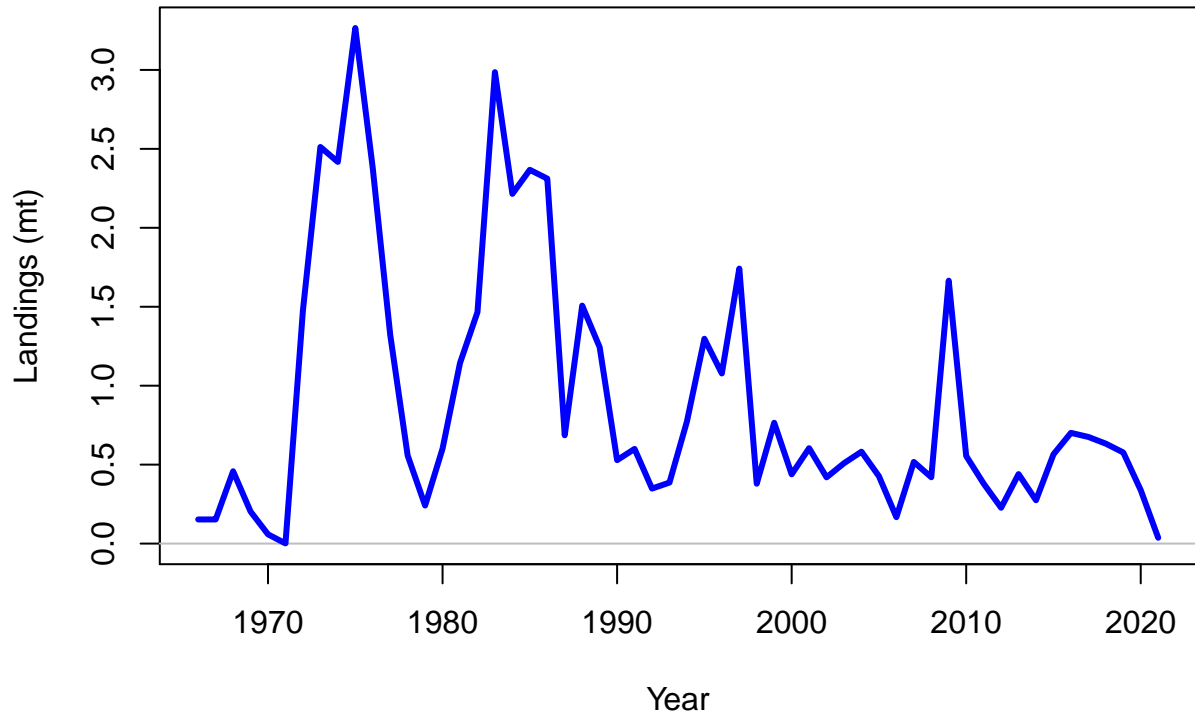


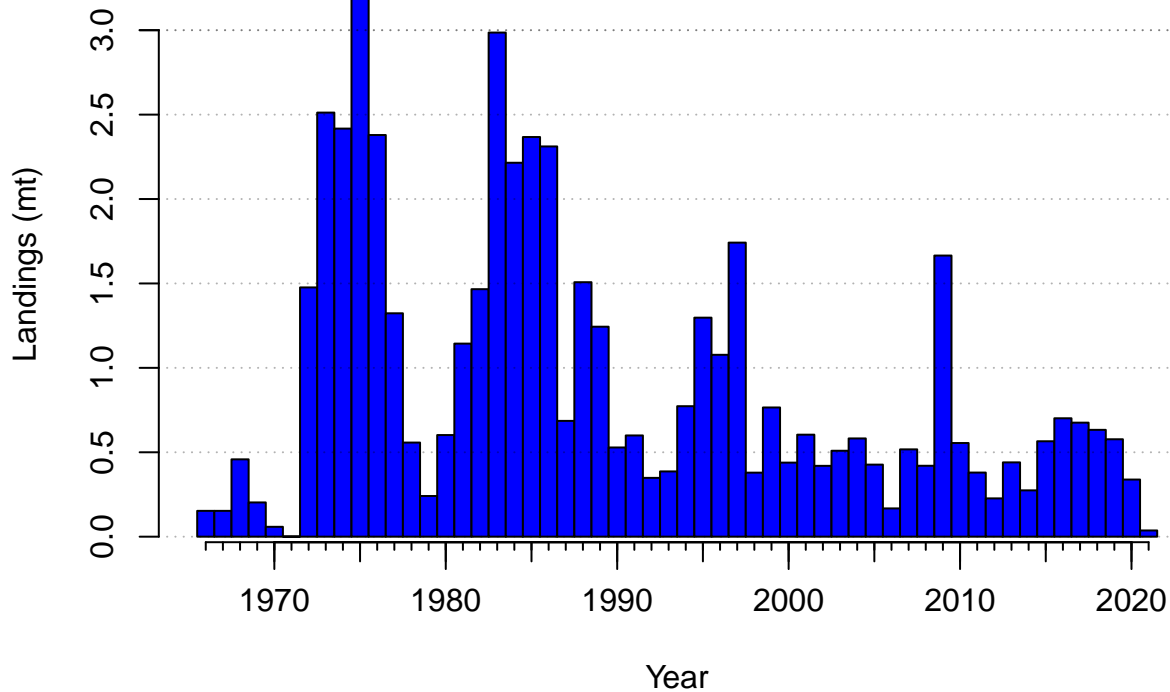




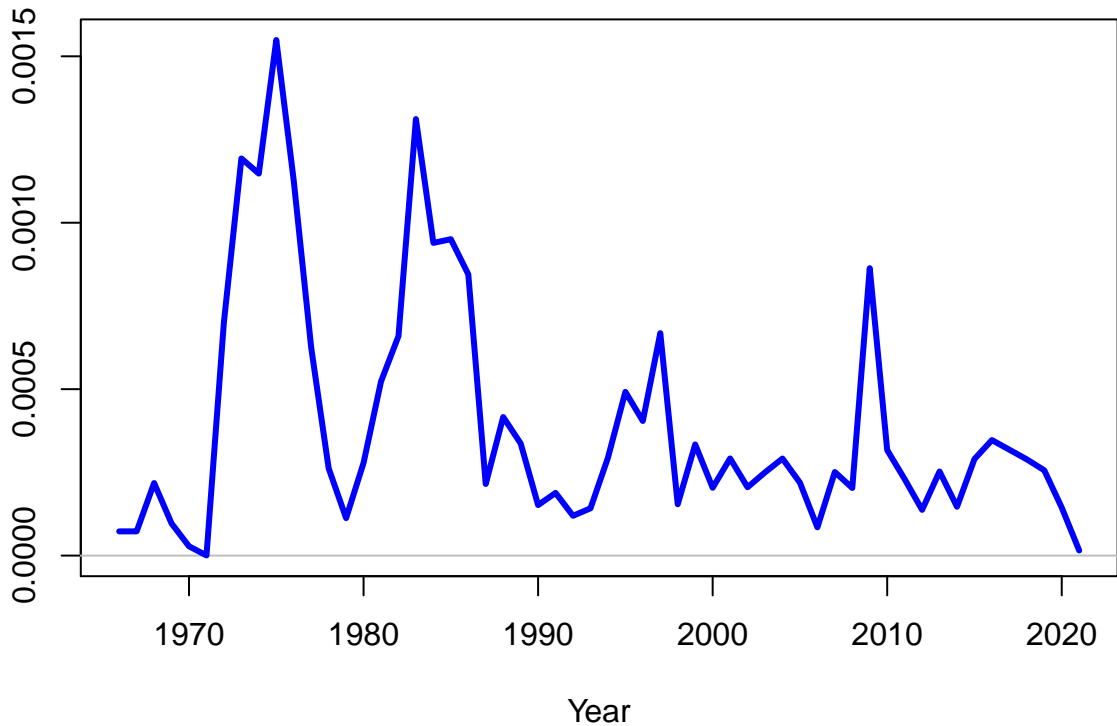
Log recruitment deviation



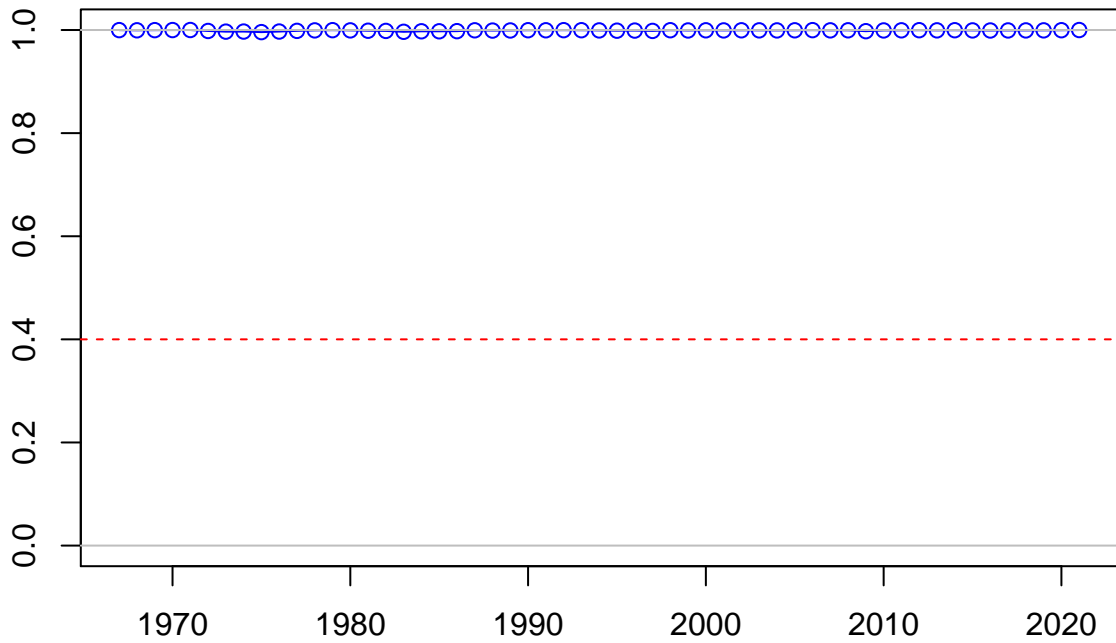




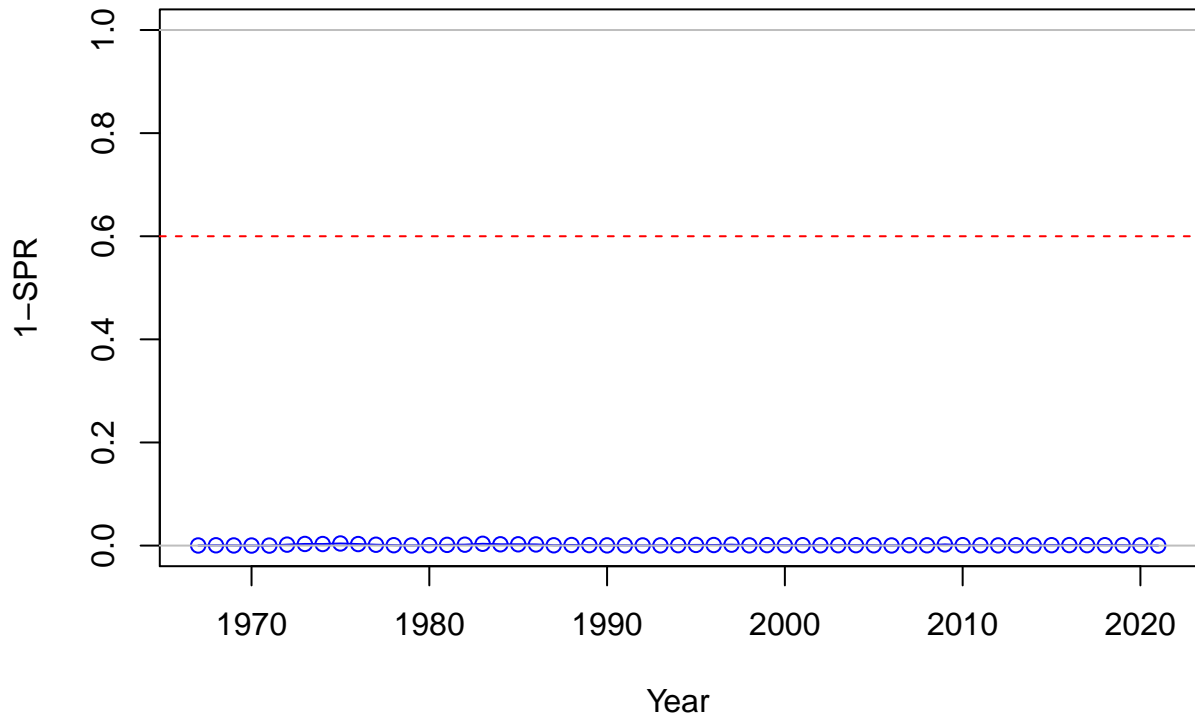
Continuous F



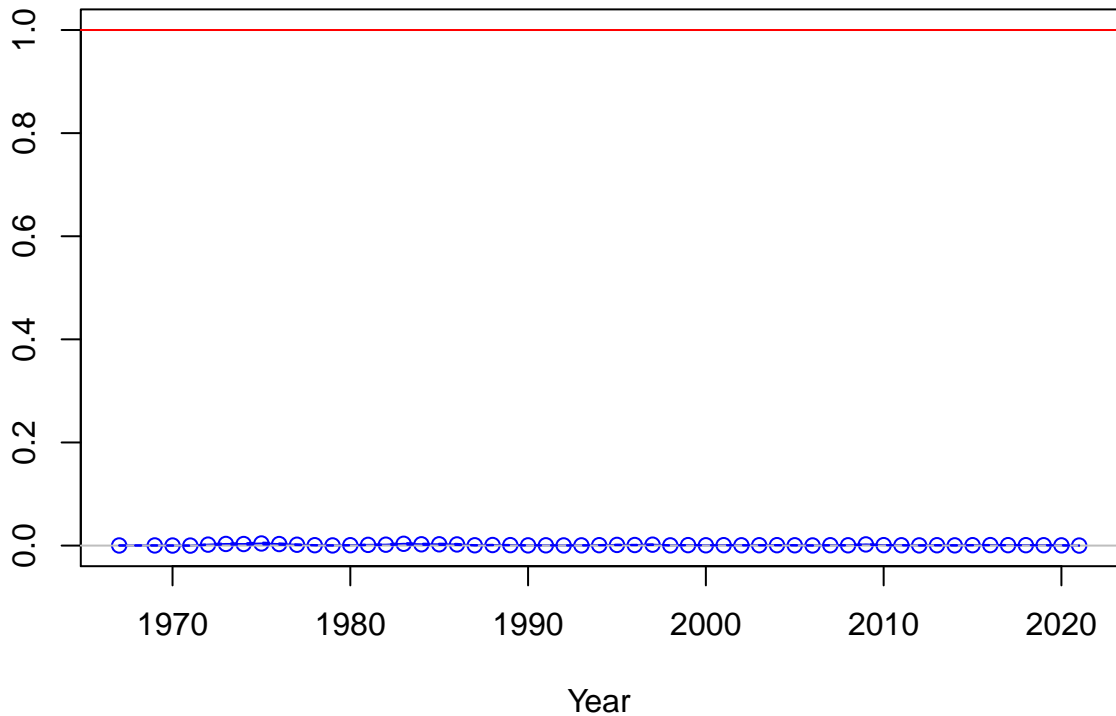
SPR



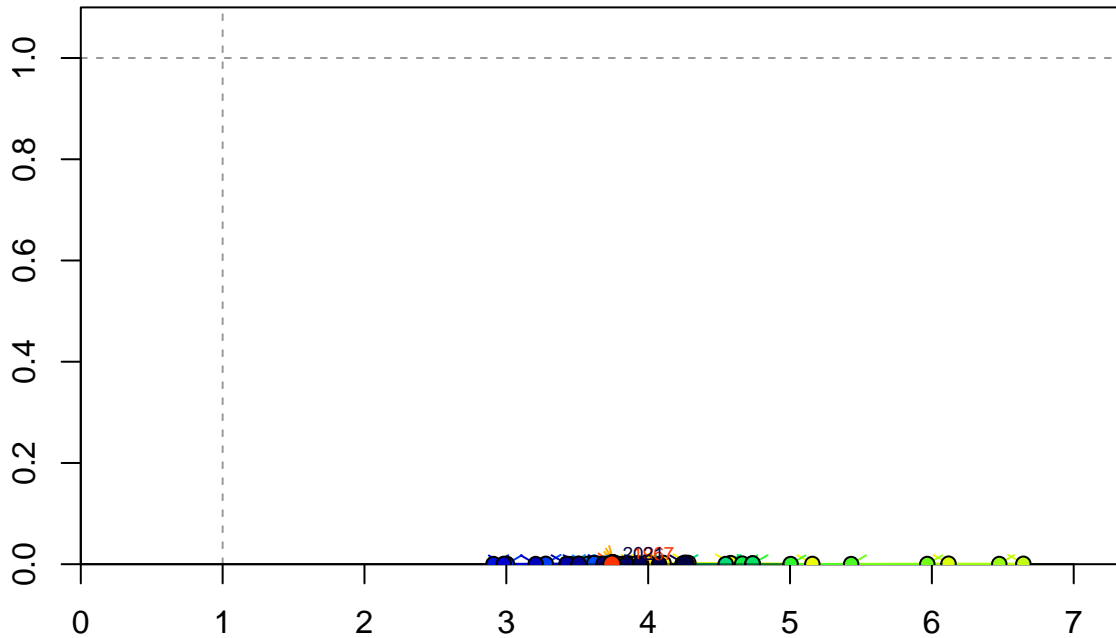
Year



Fishing intensity: 1-SPR

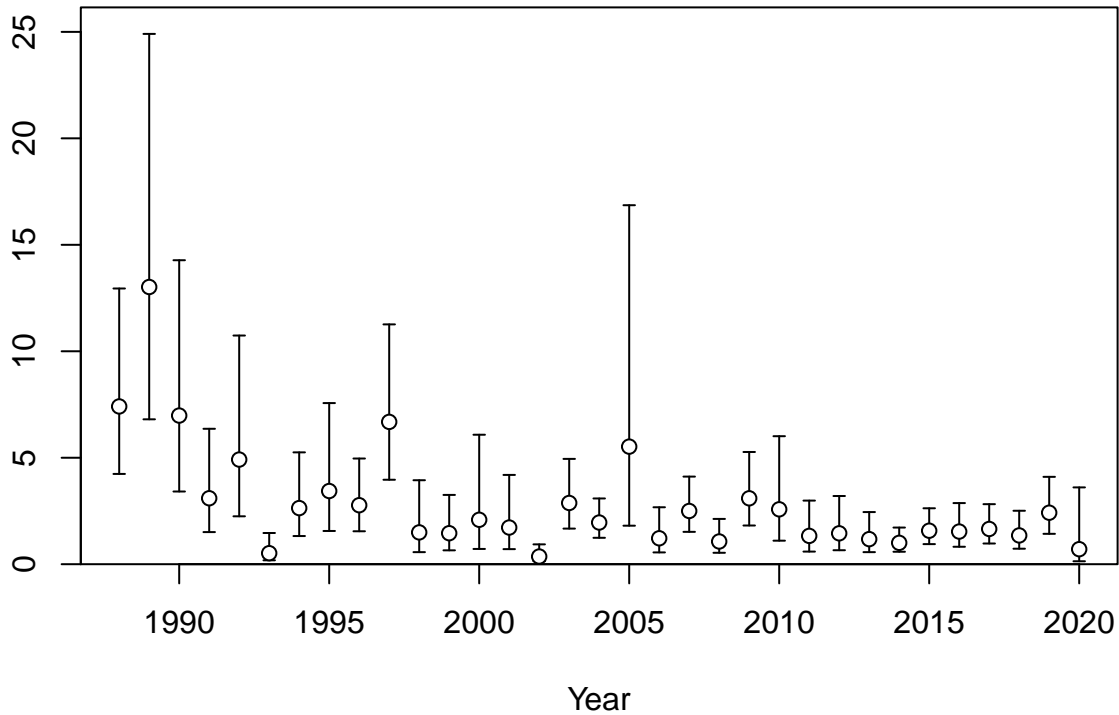


Fishing intensity: 1-SPR

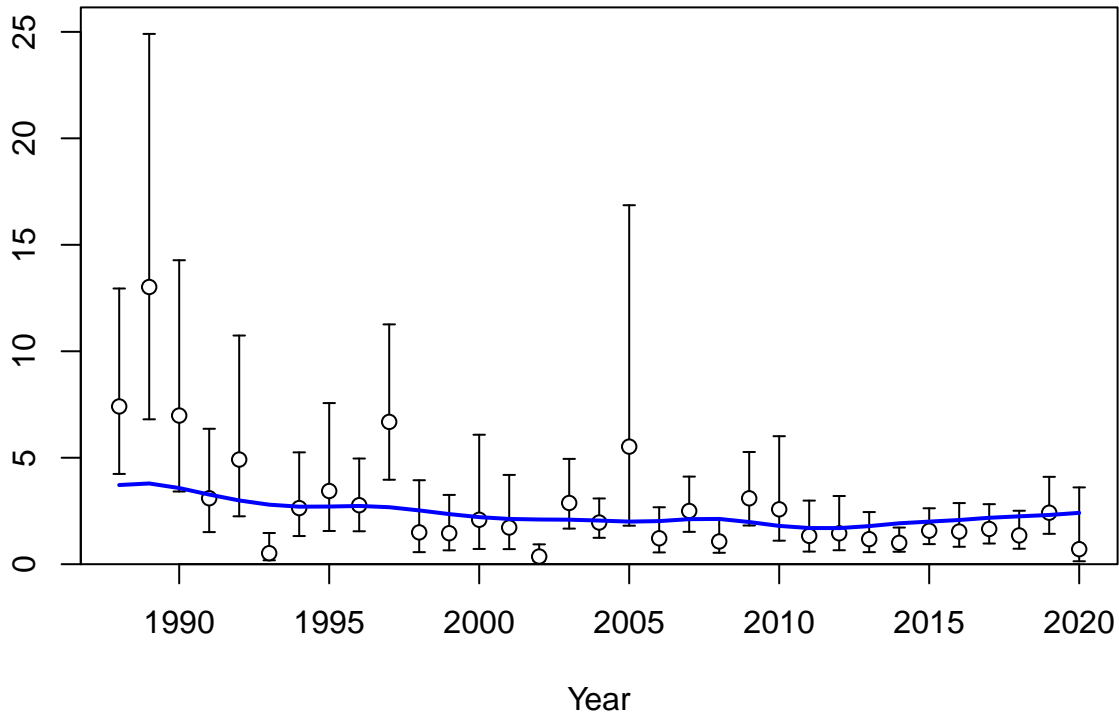


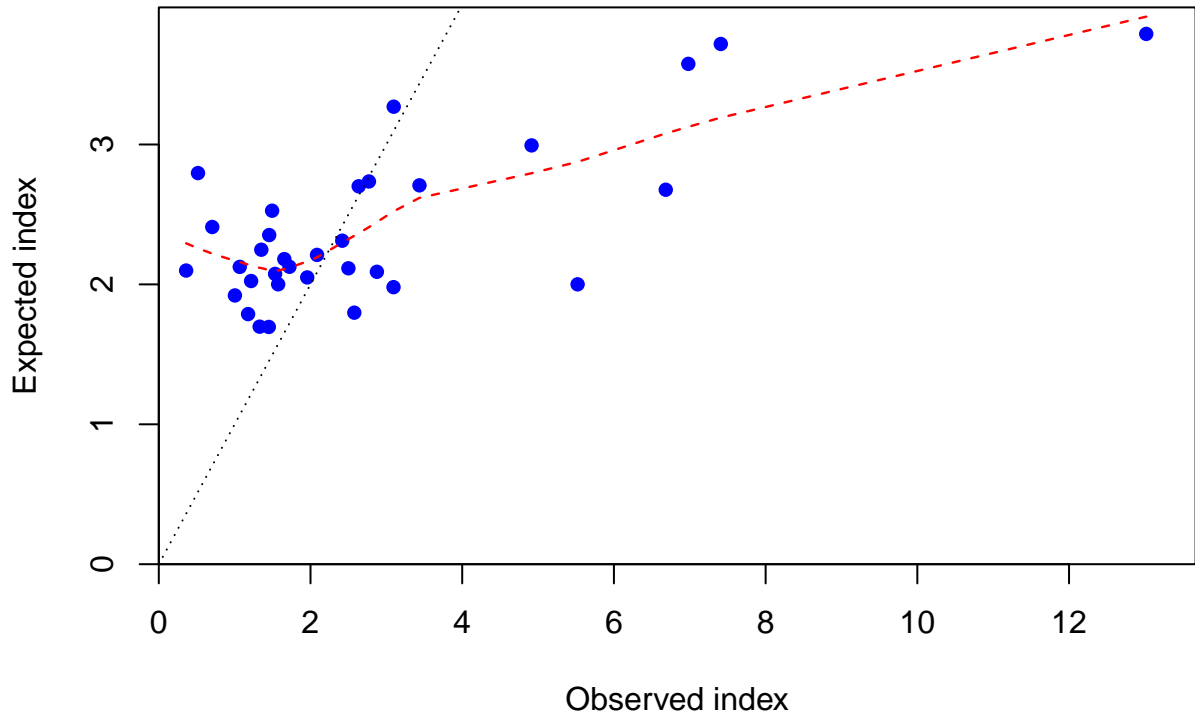
Relative spawning output: B/B_{MSY}

Index

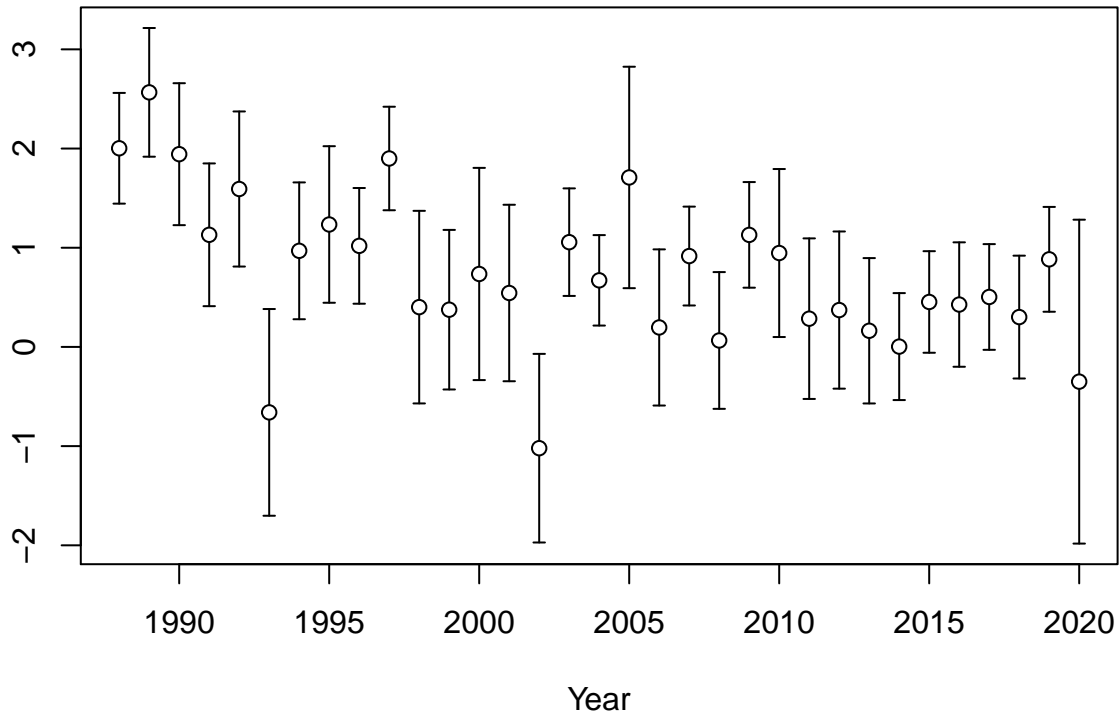


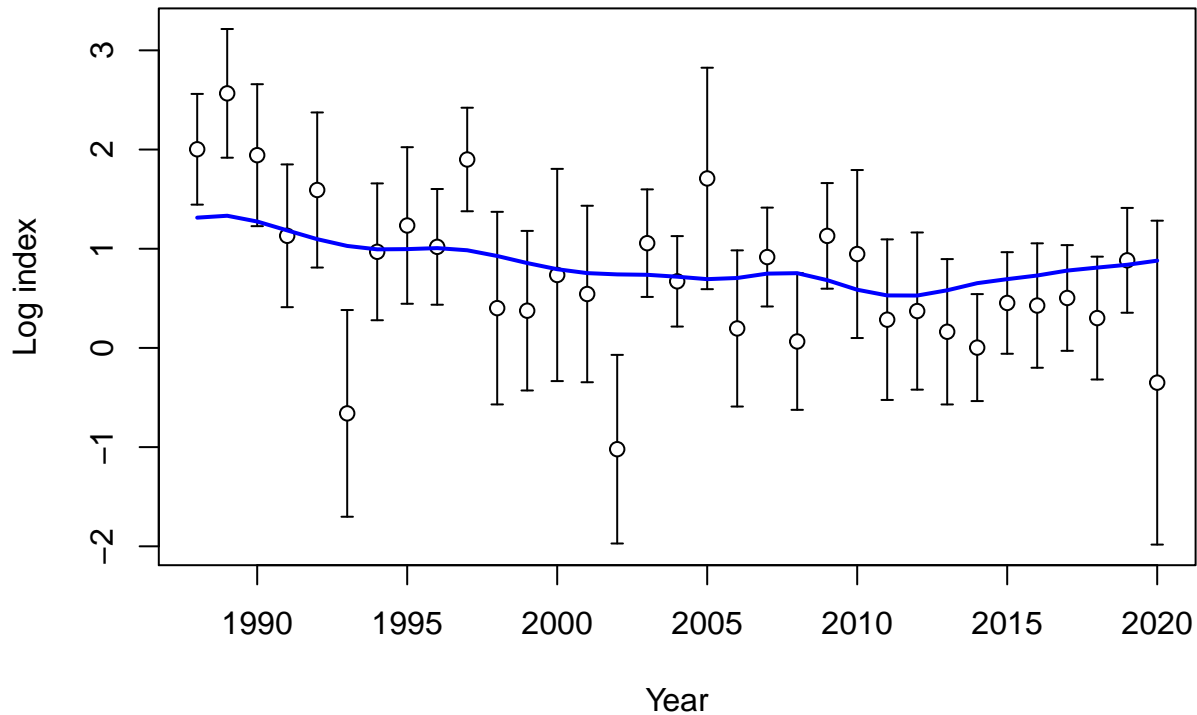
Index

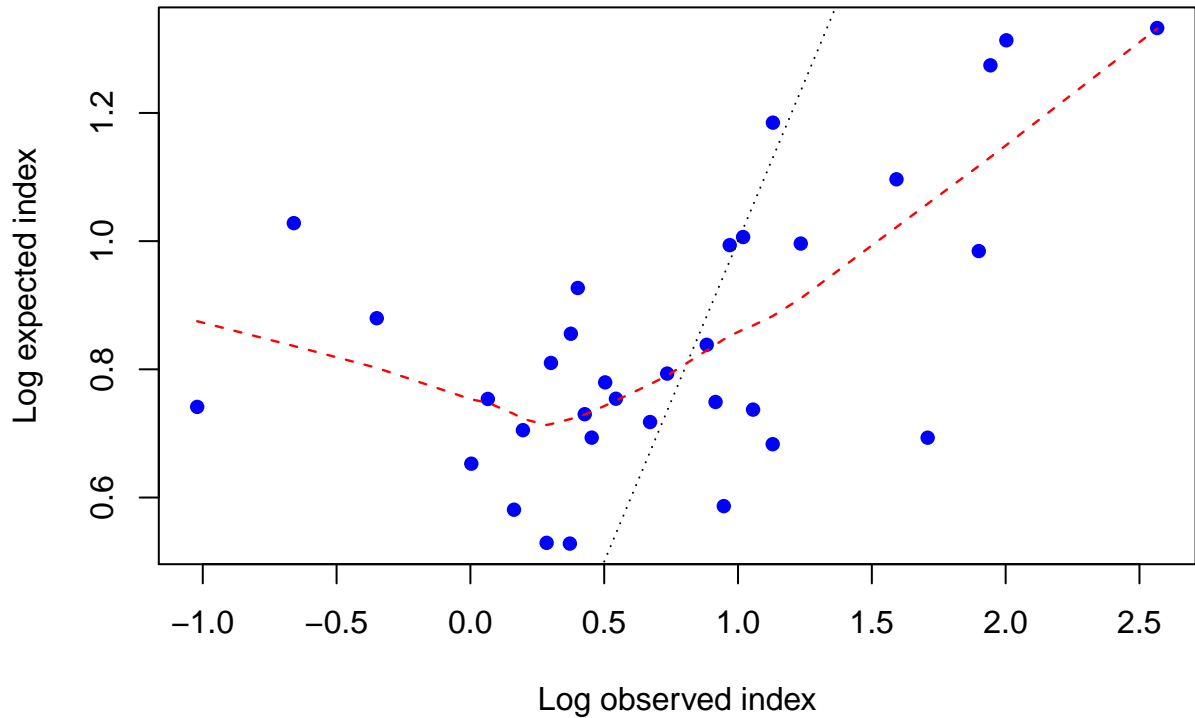


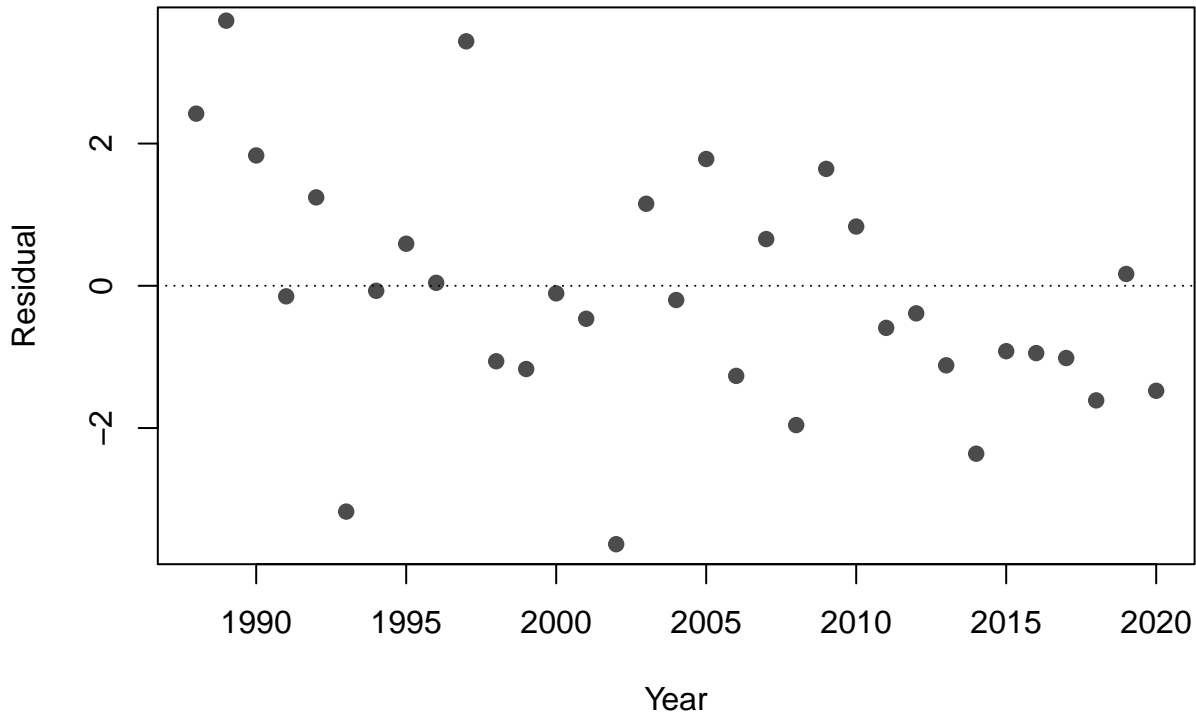


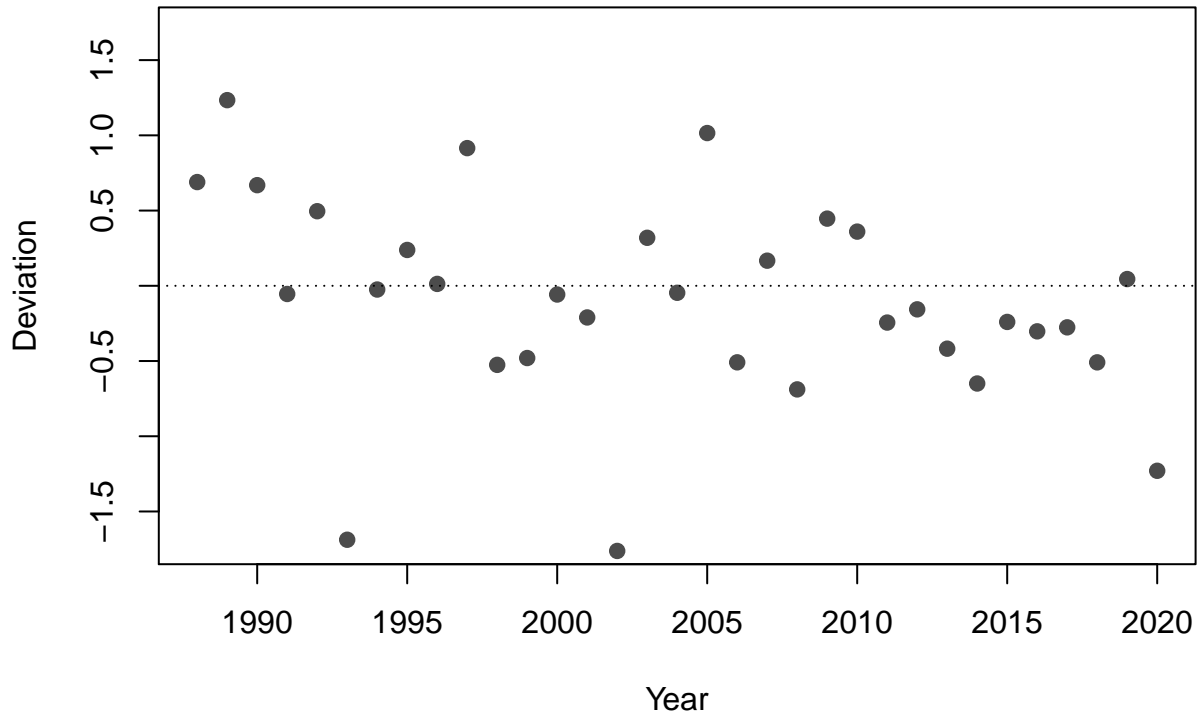
Log index

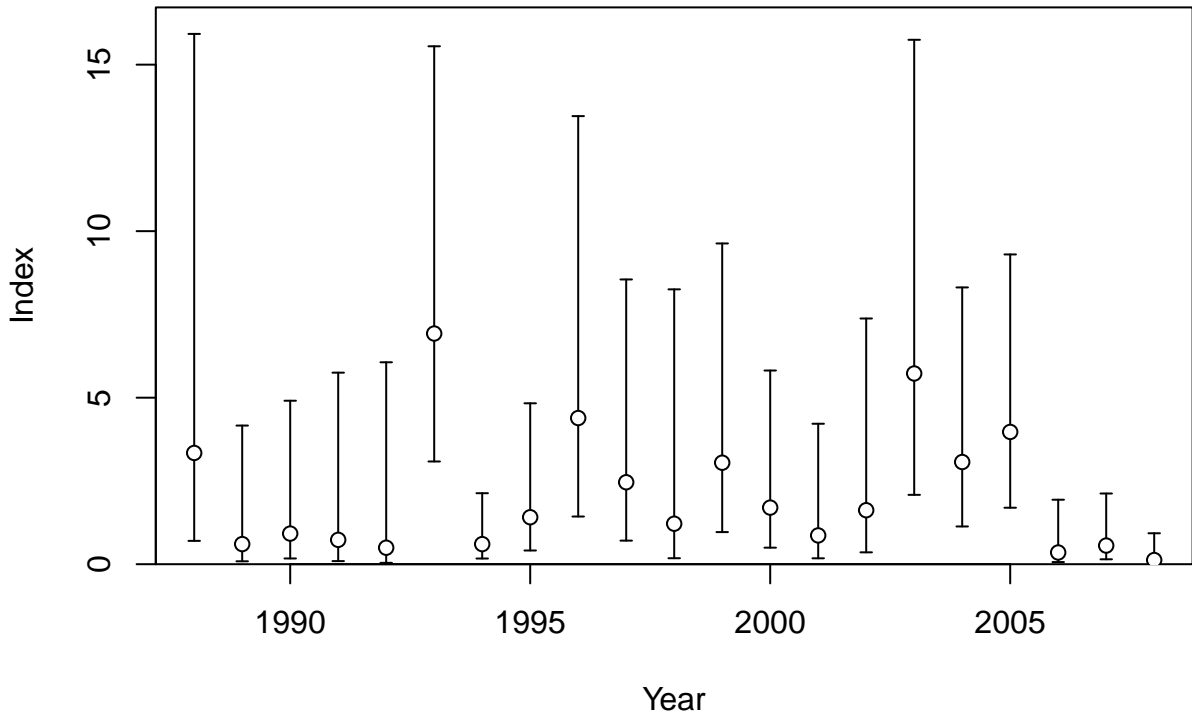


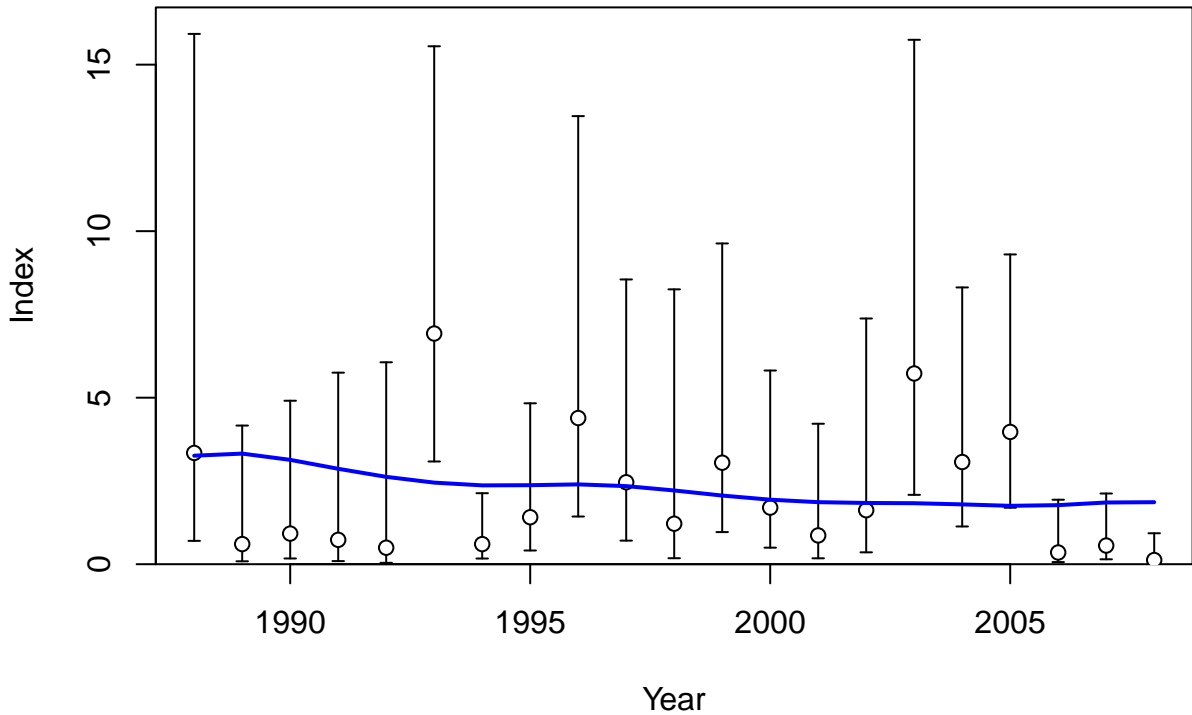


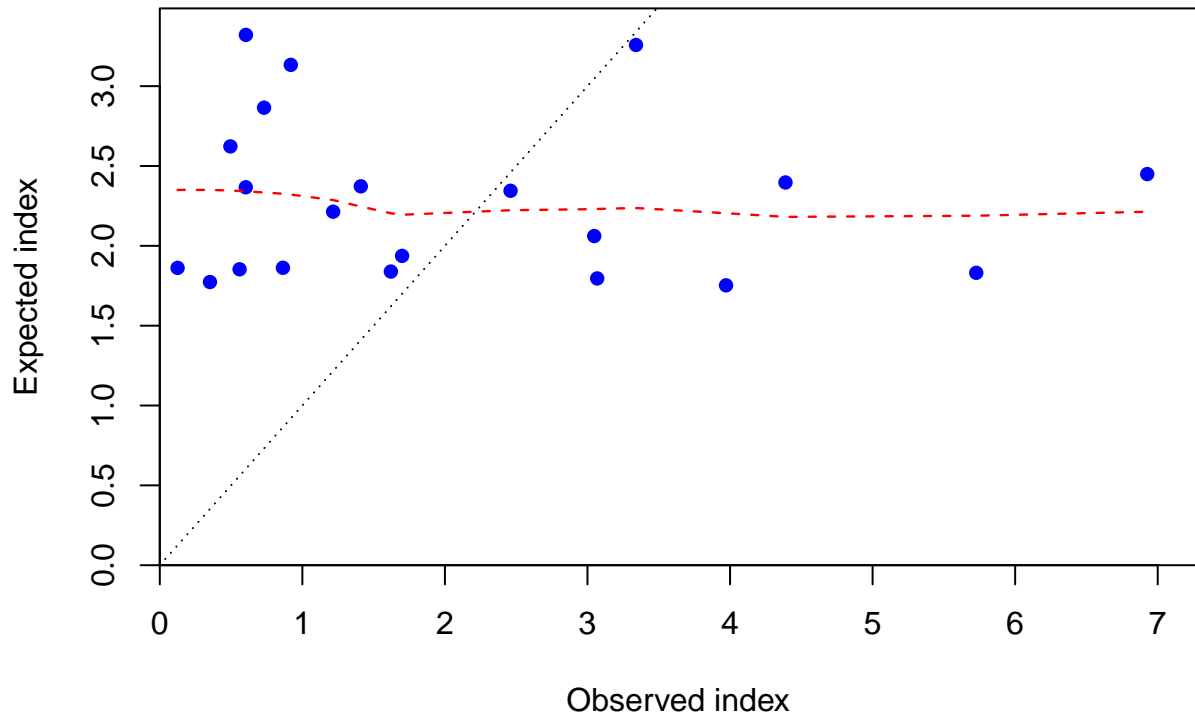




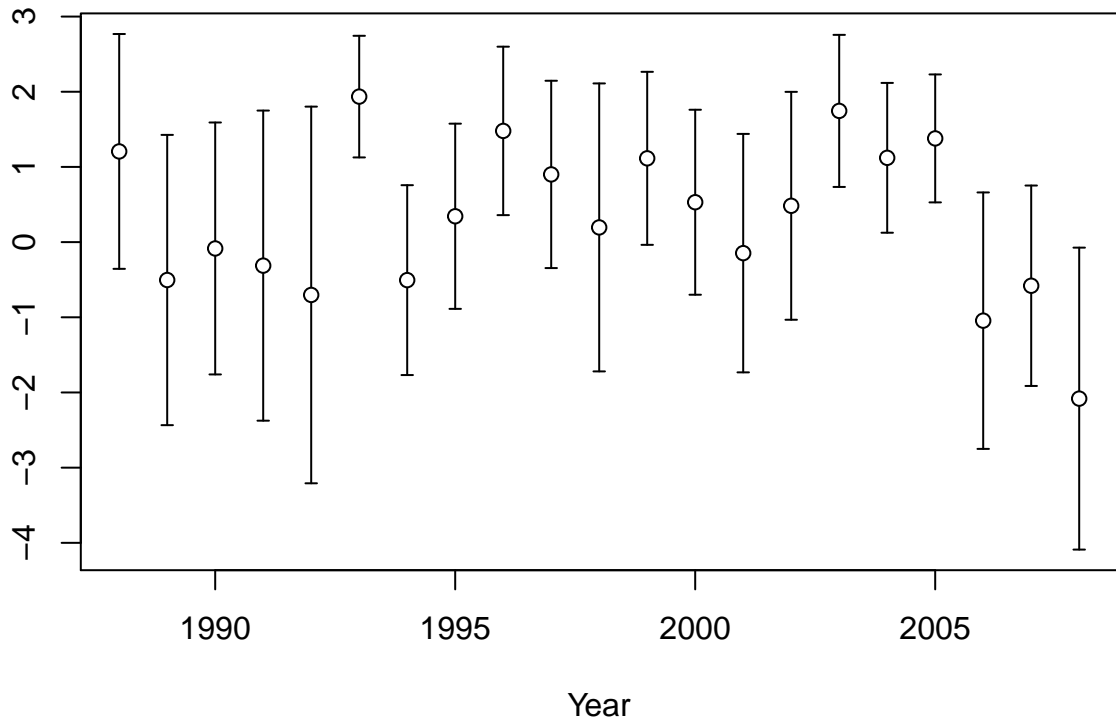




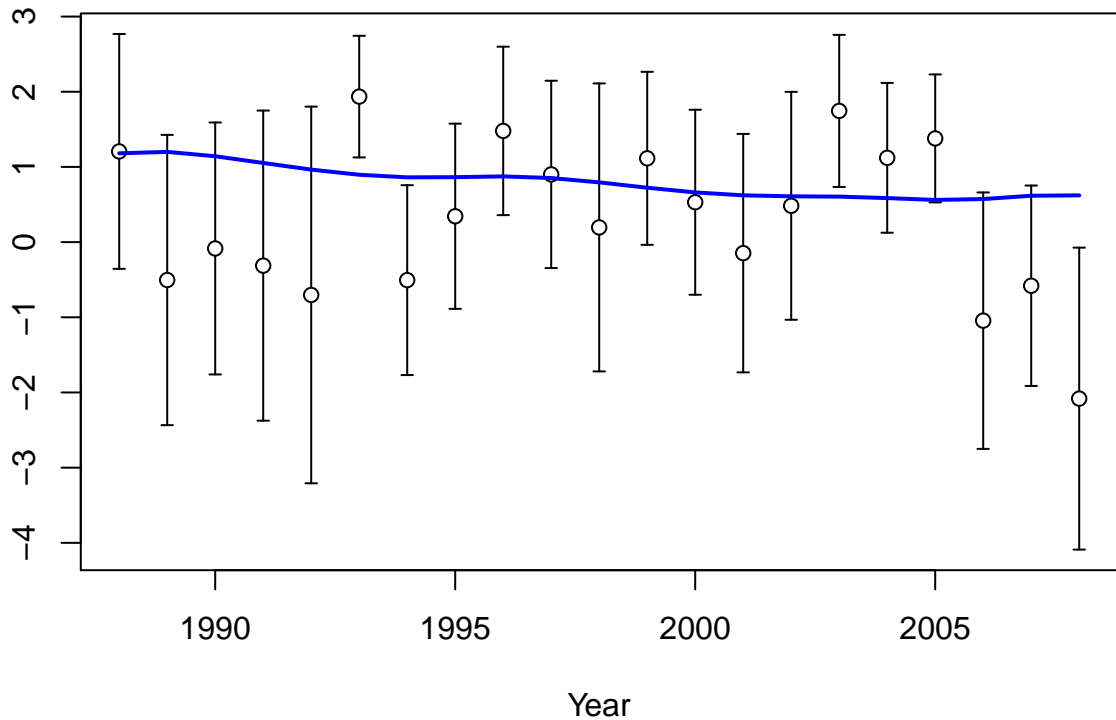


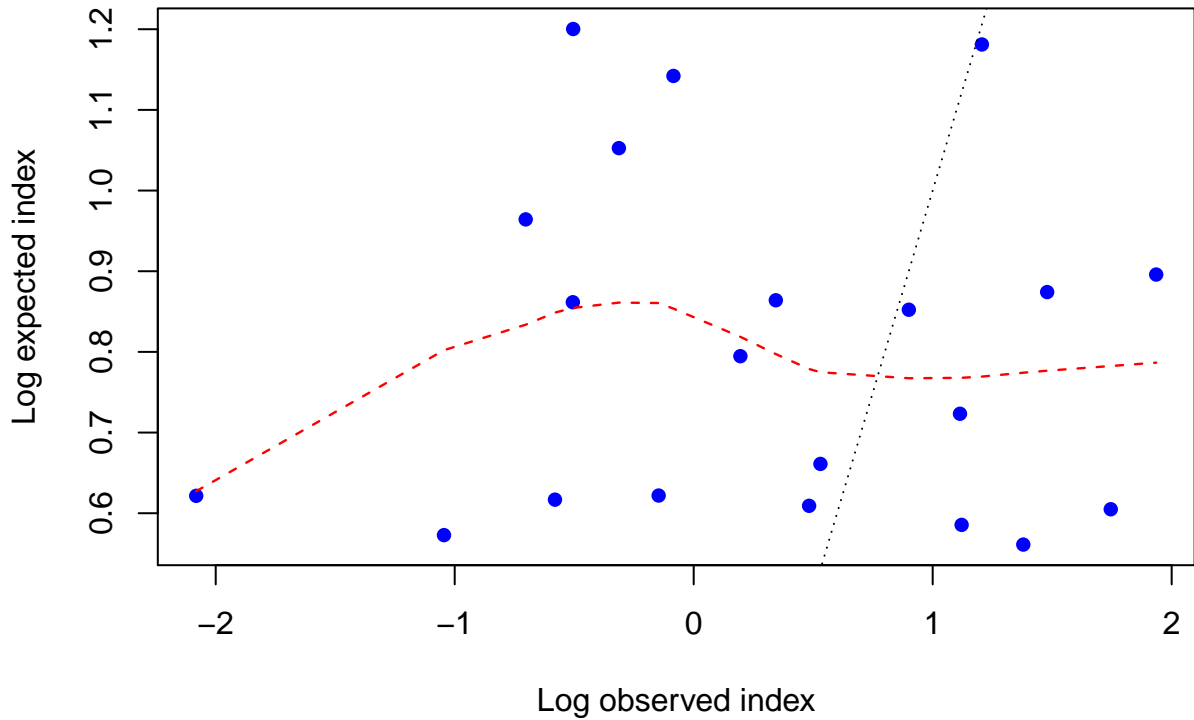


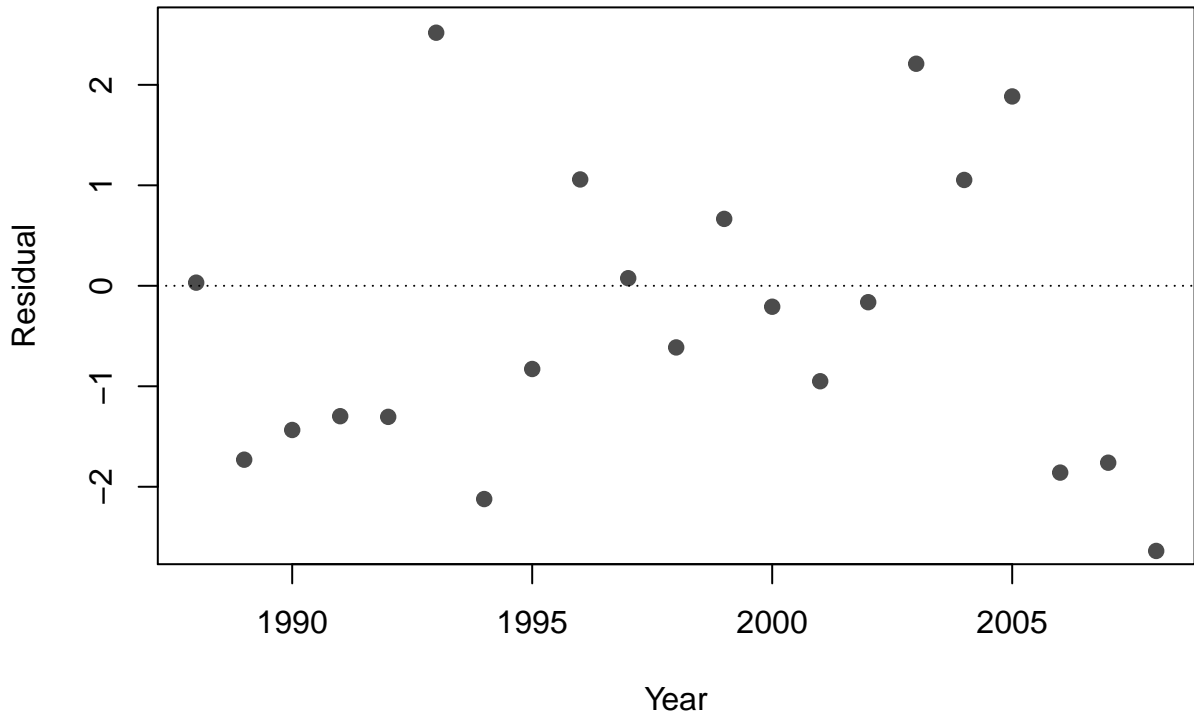
Log index

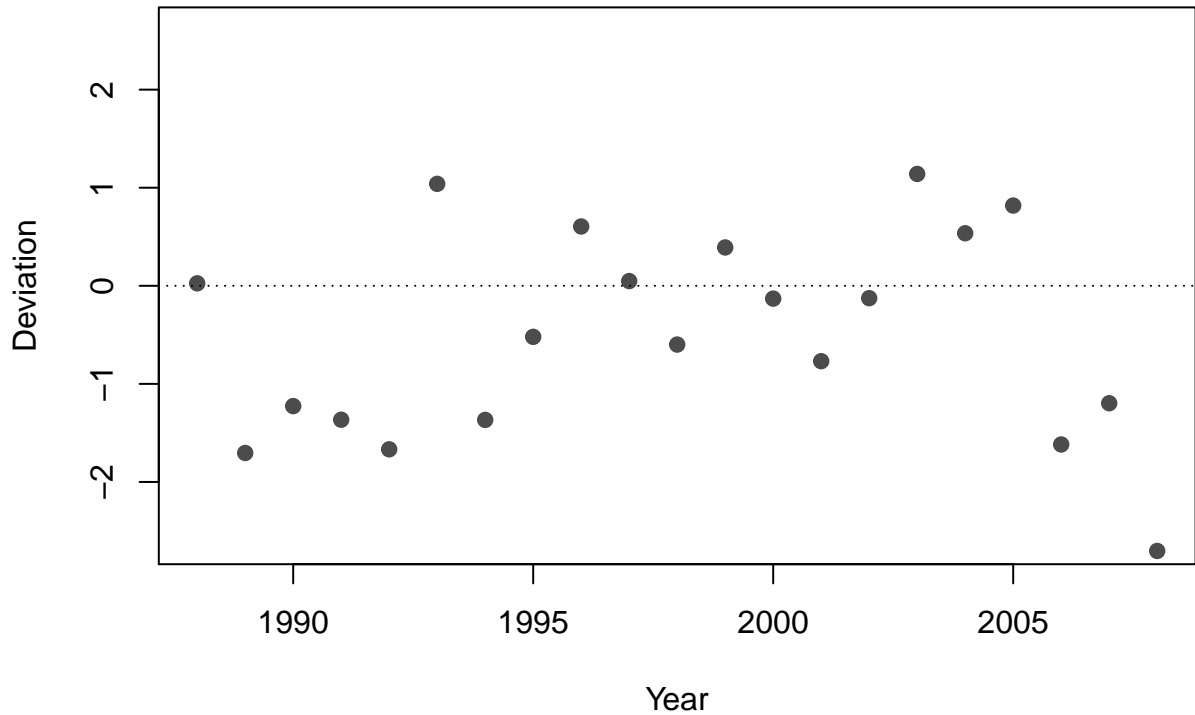


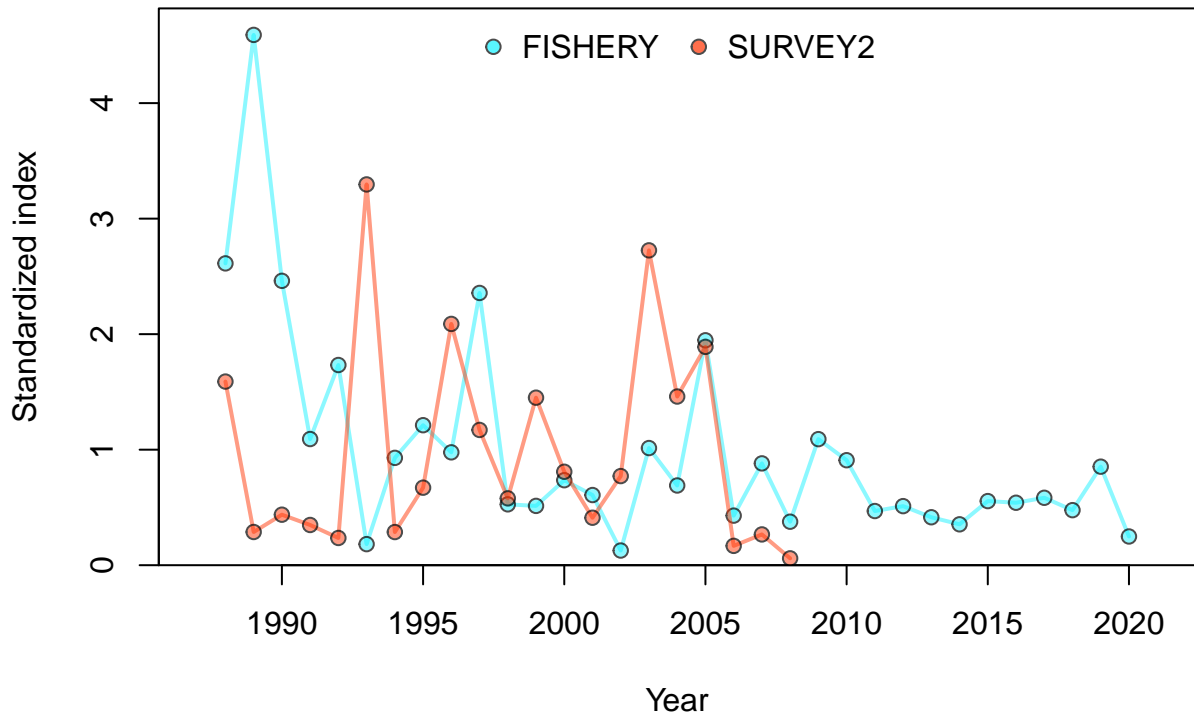
Log index

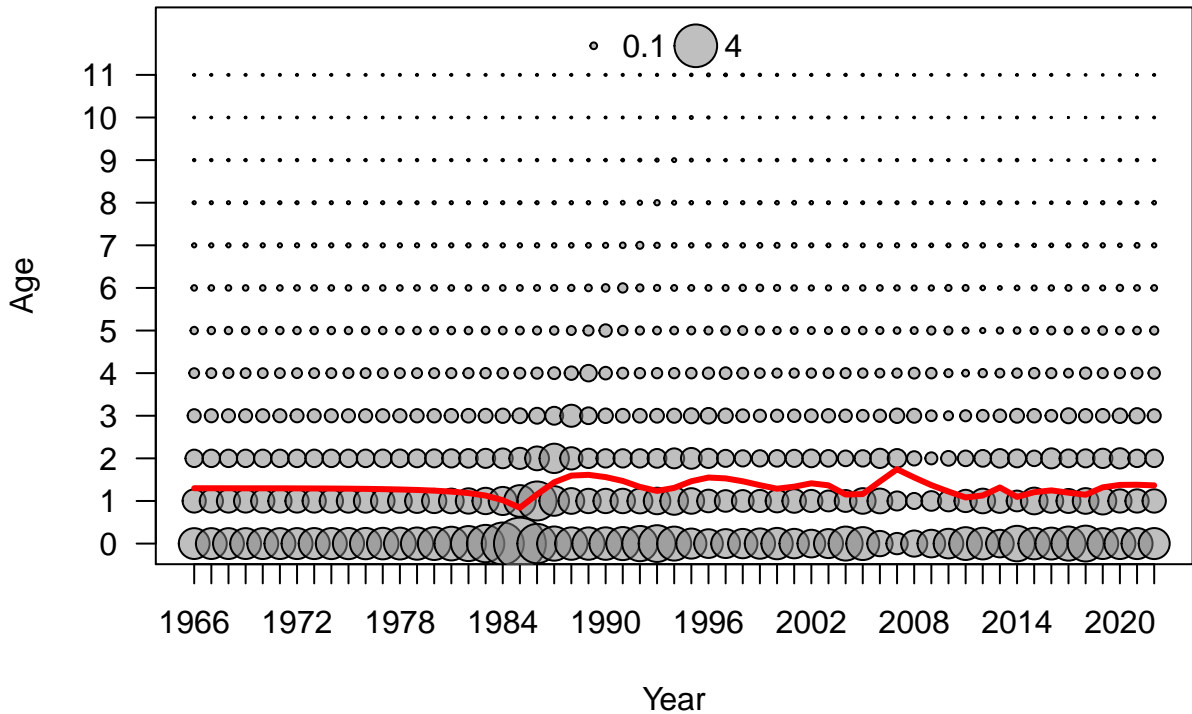


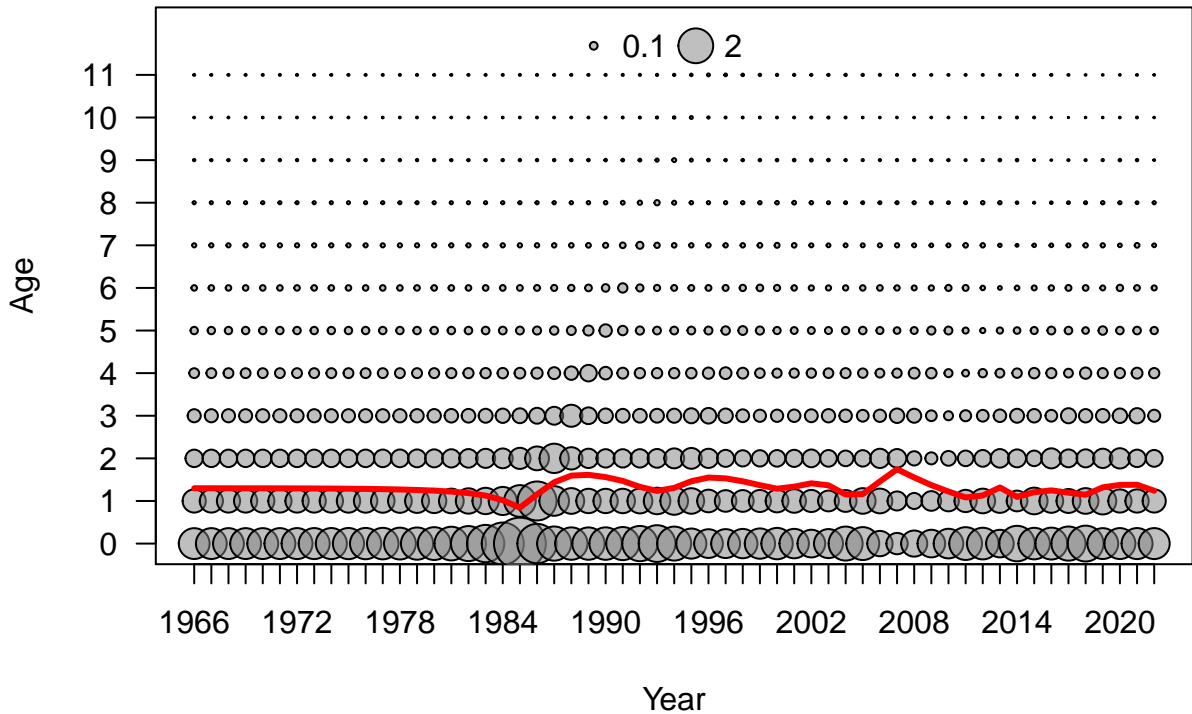


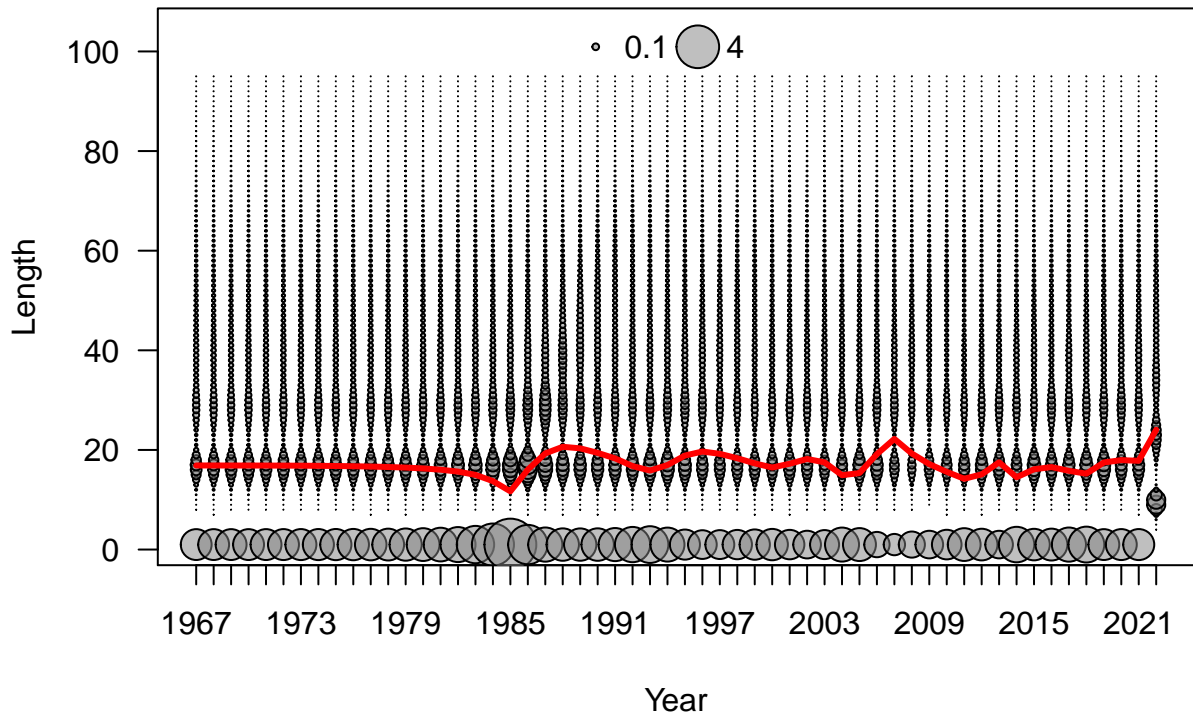


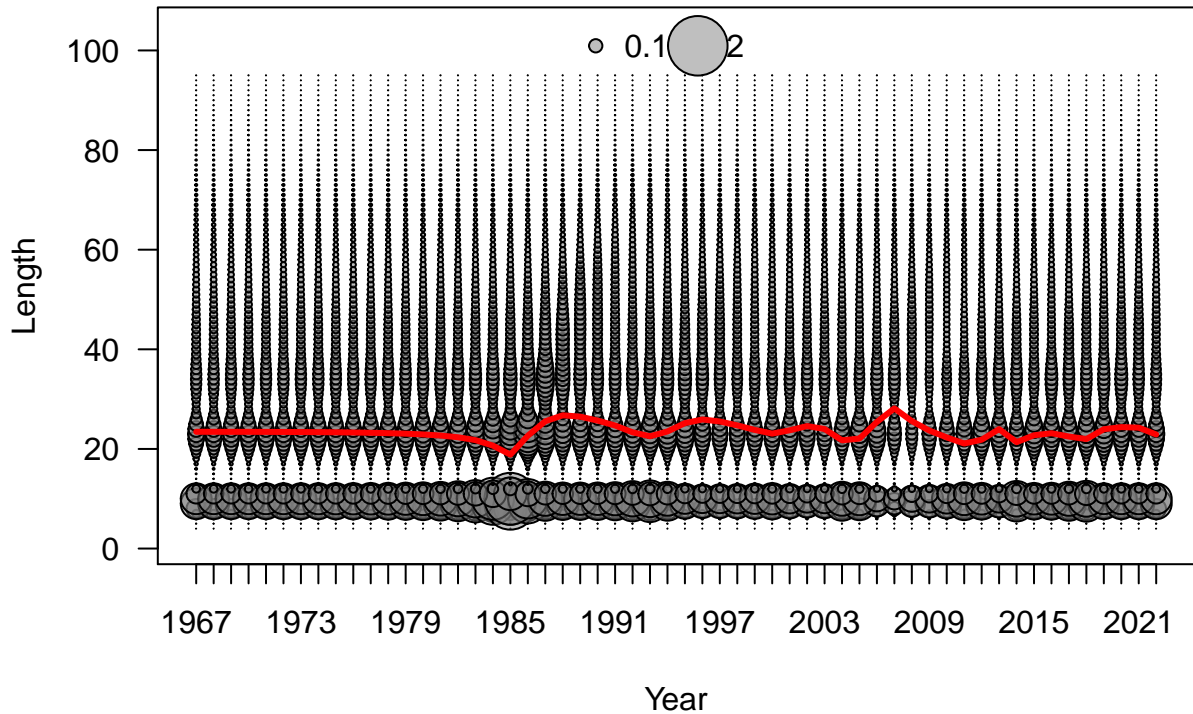


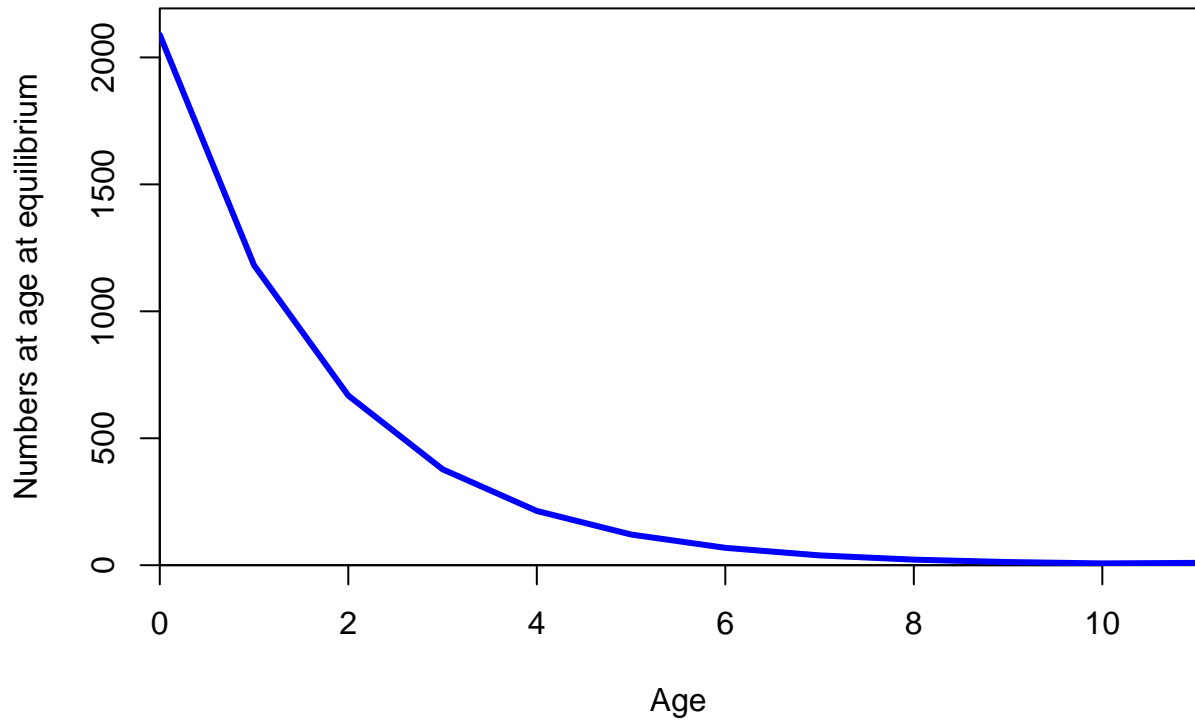






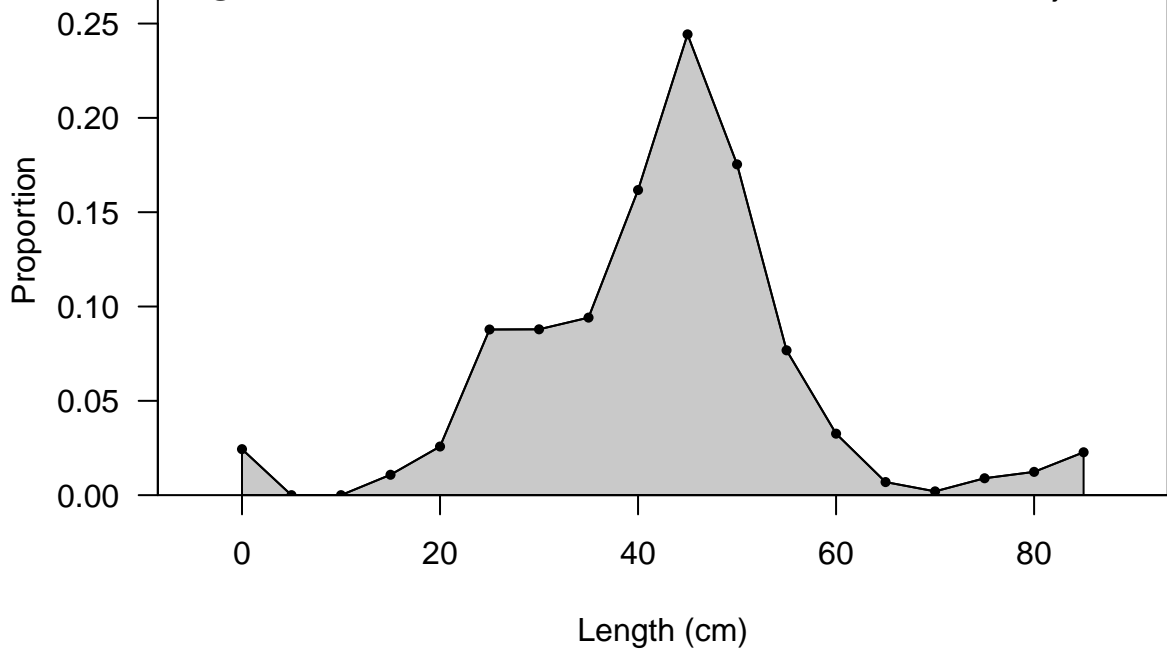


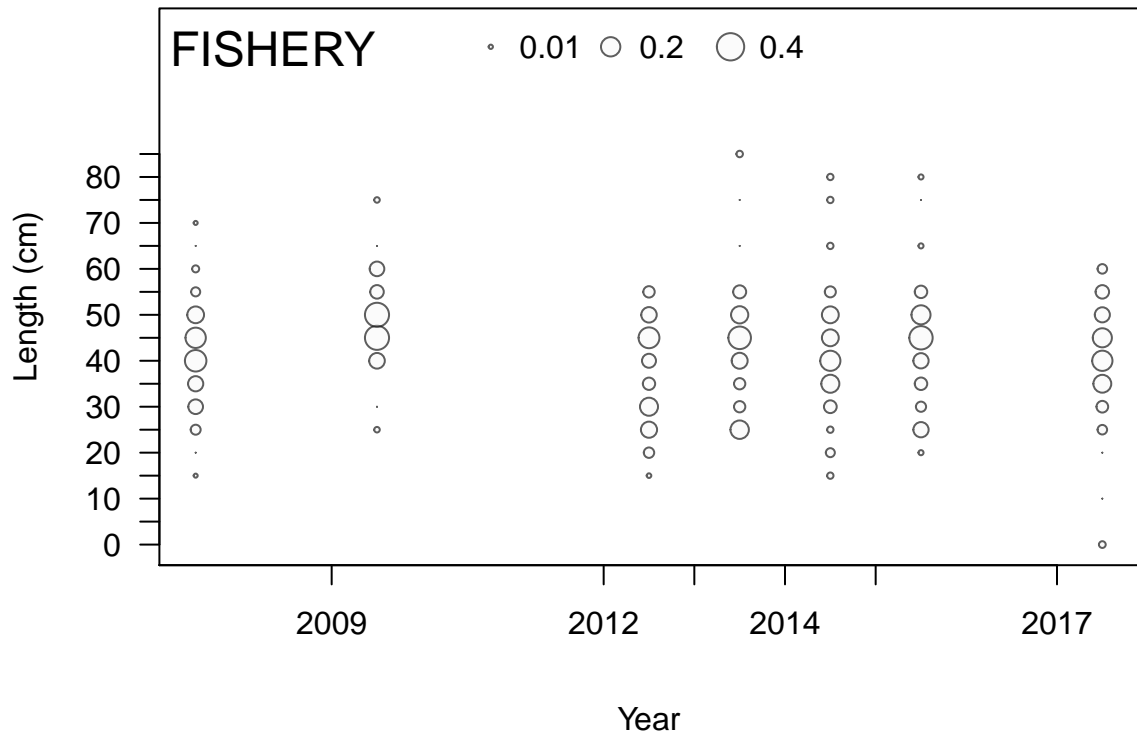




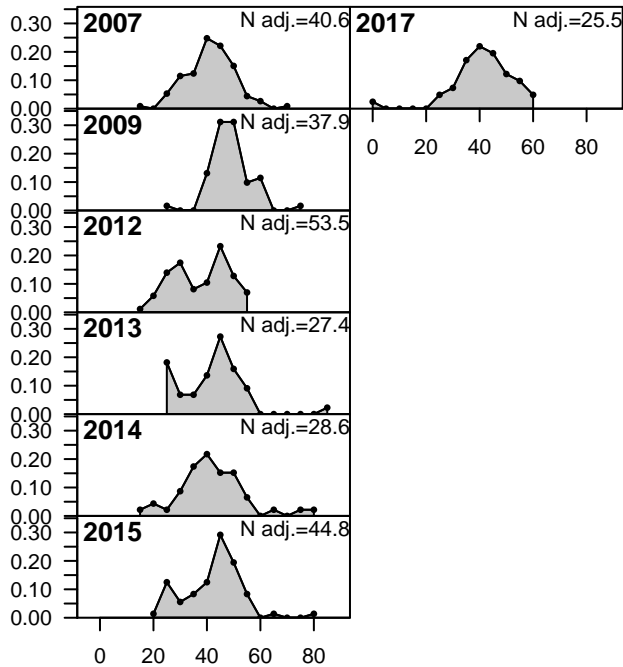
FISHERY

Sum of N adj.=258.1

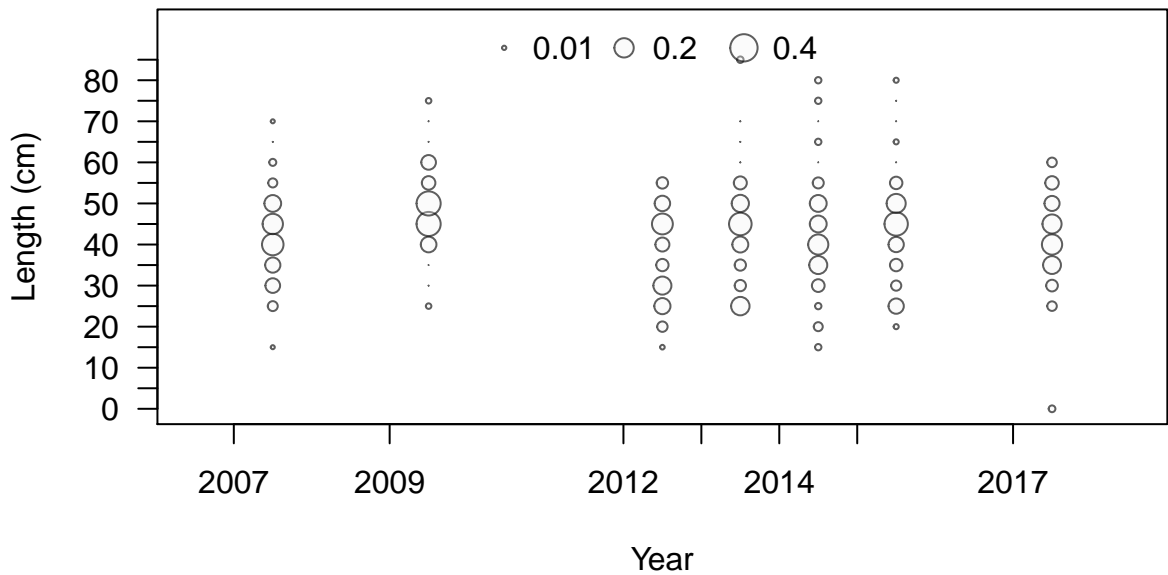




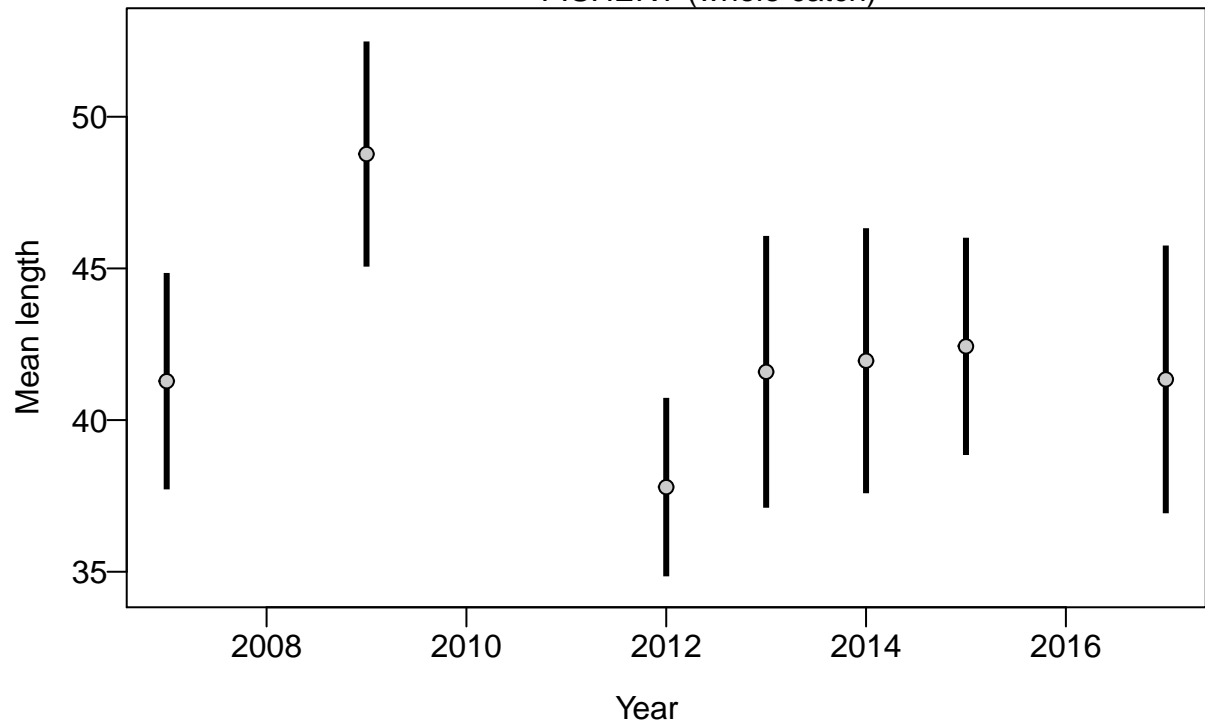
Proportion



Length (cm)

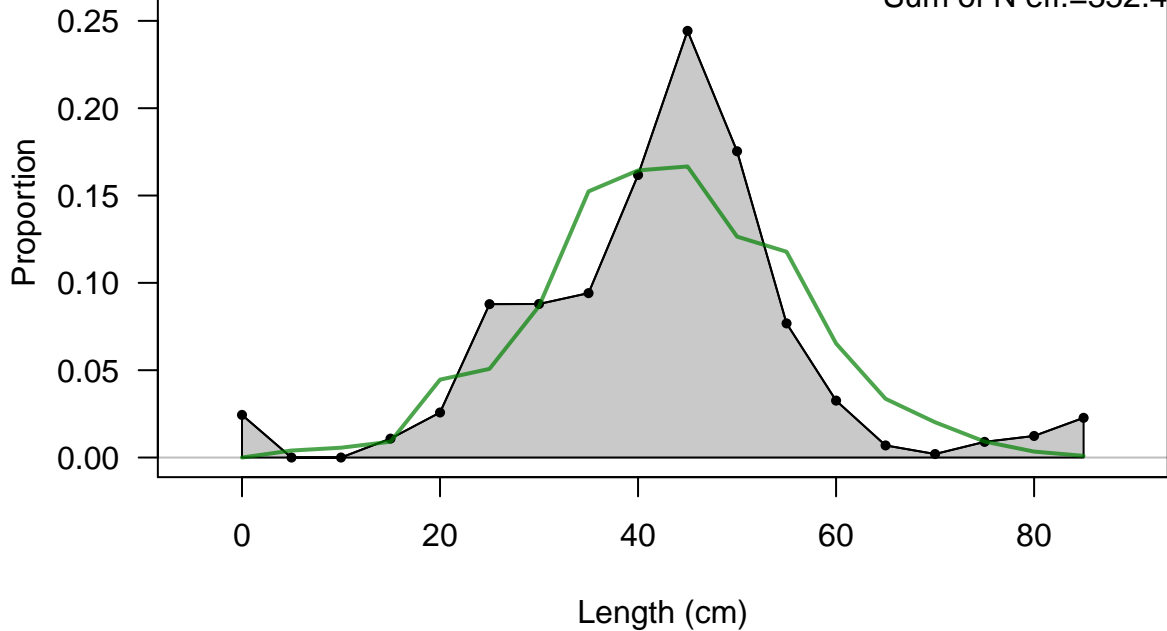


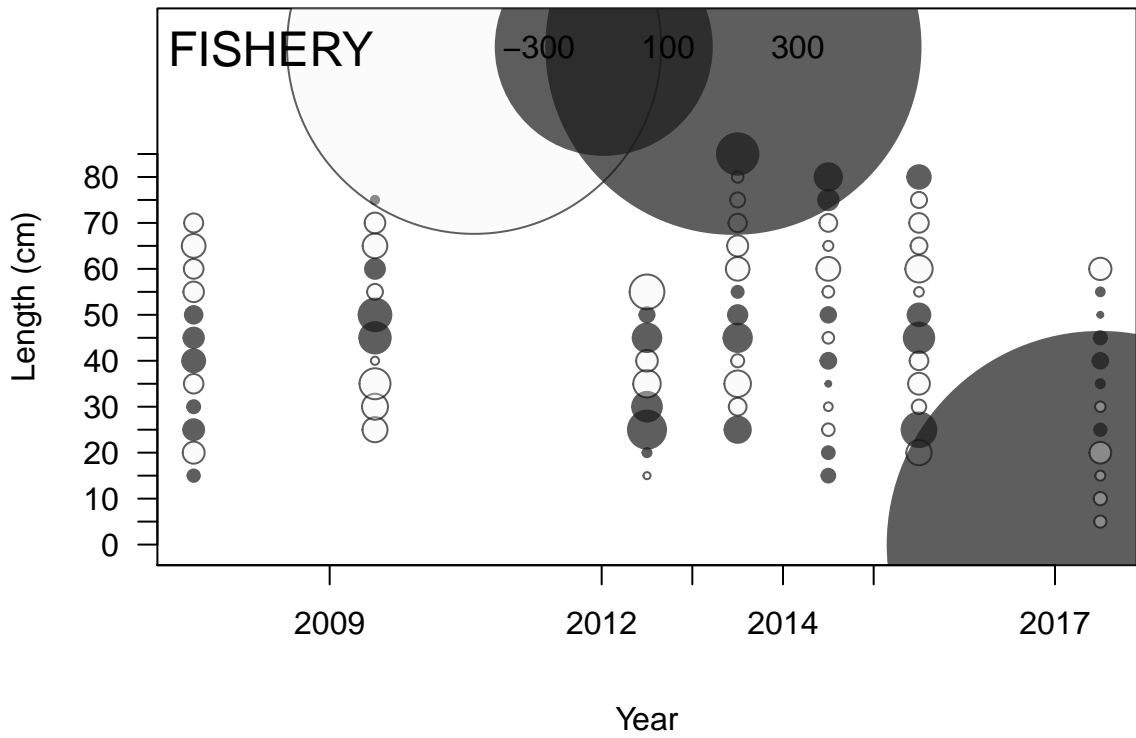
FISHERY (whole catch)



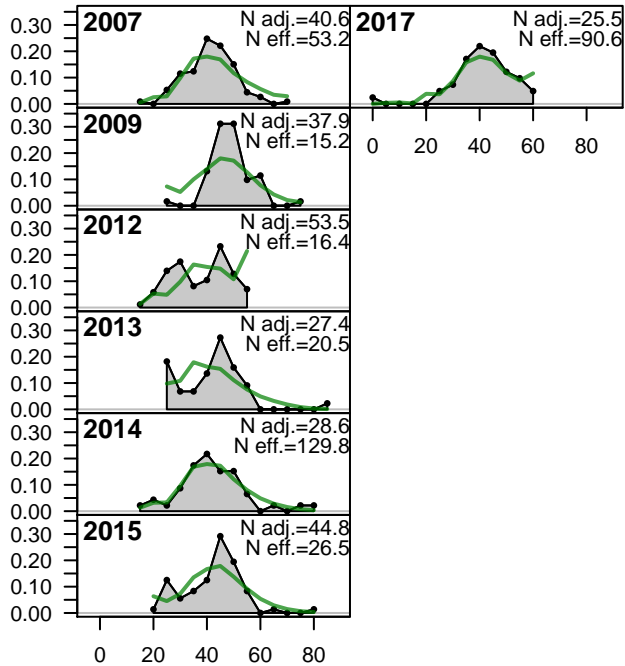
FISHERY

Sum of N adj.=258.1
Sum of N eff.=352.4

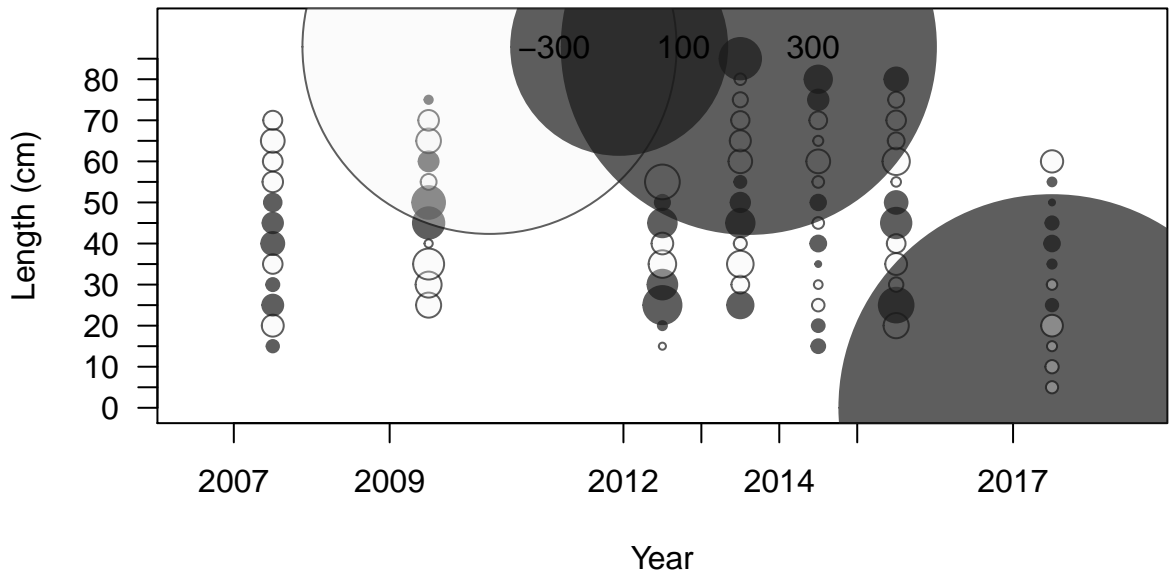




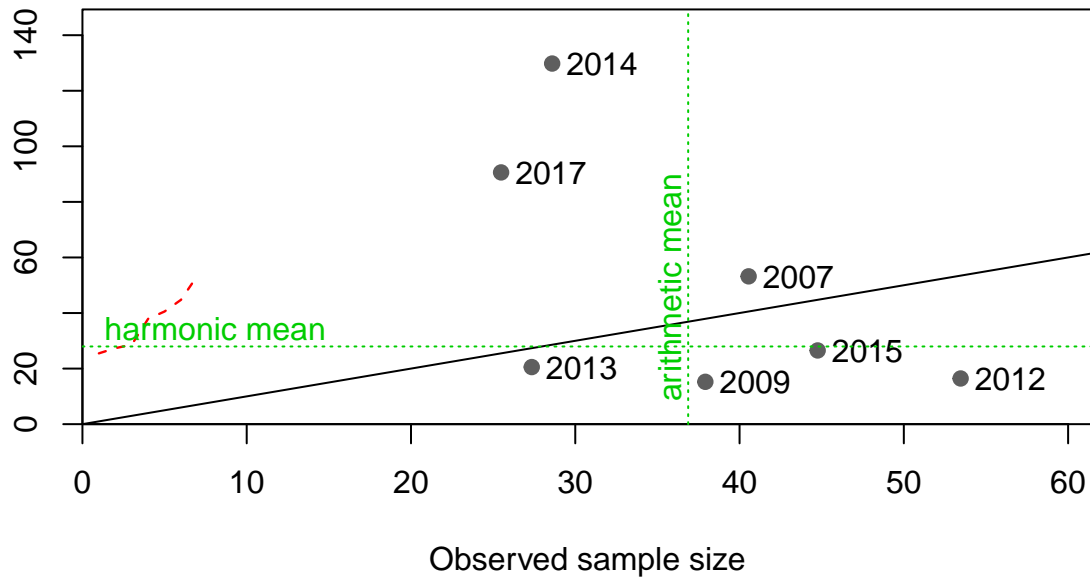
Proportion



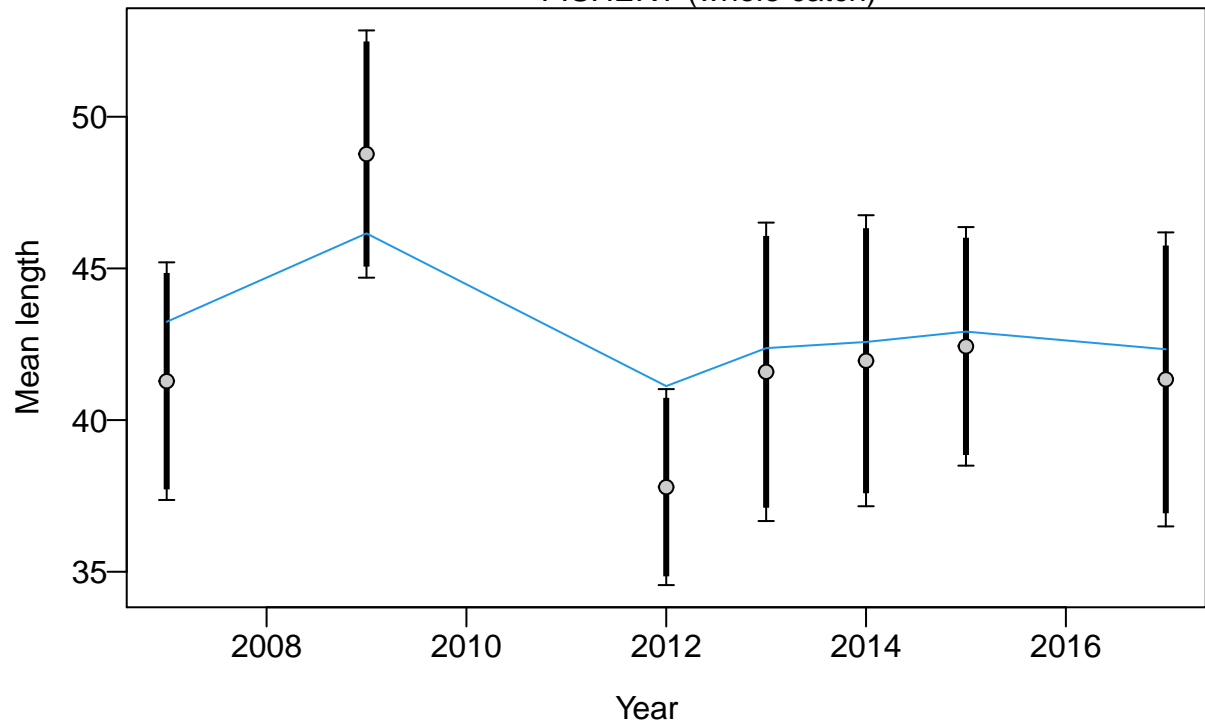
Length (cm)

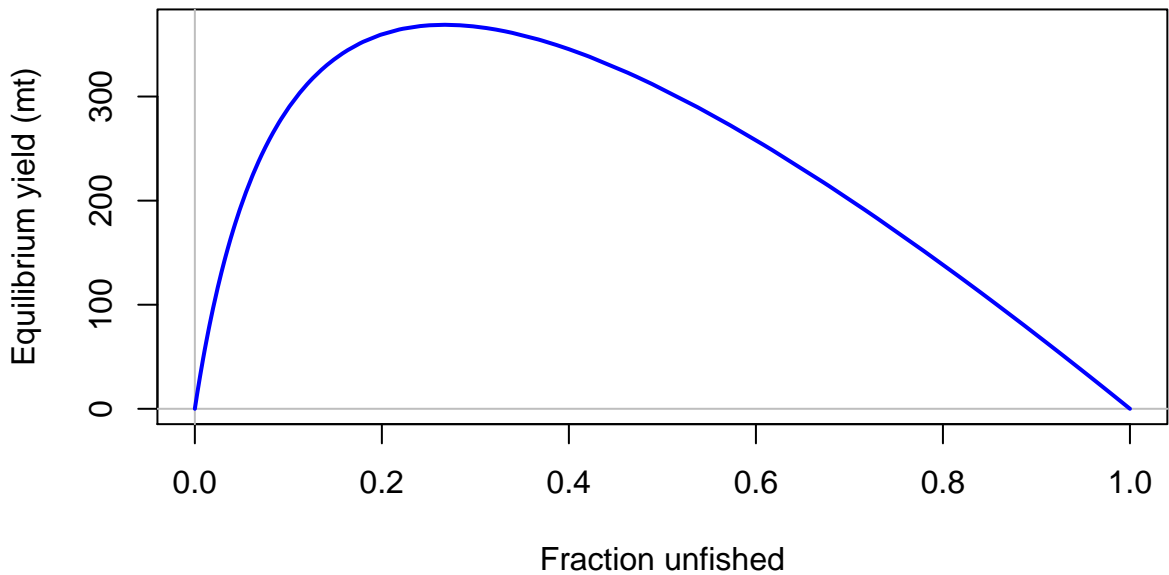


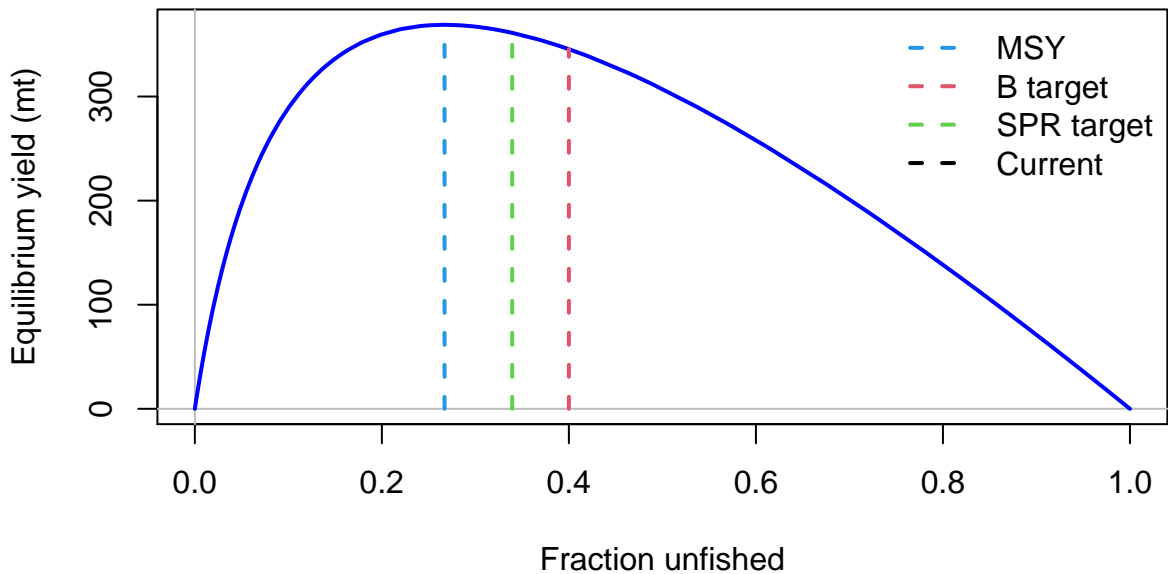
Effective sample size

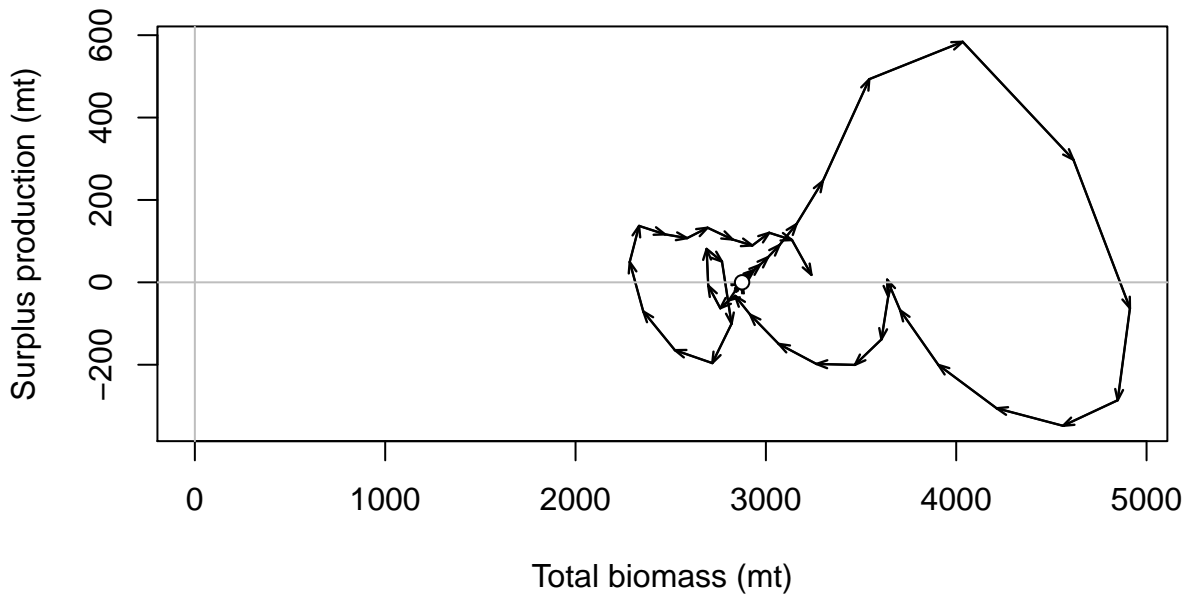


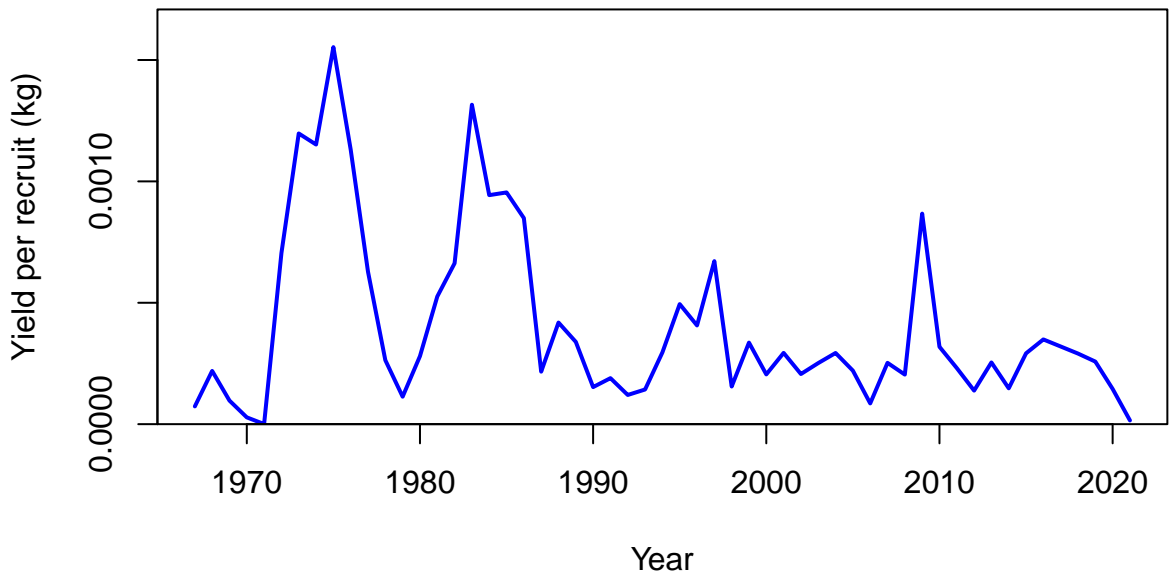
FISHERY (whole catch)

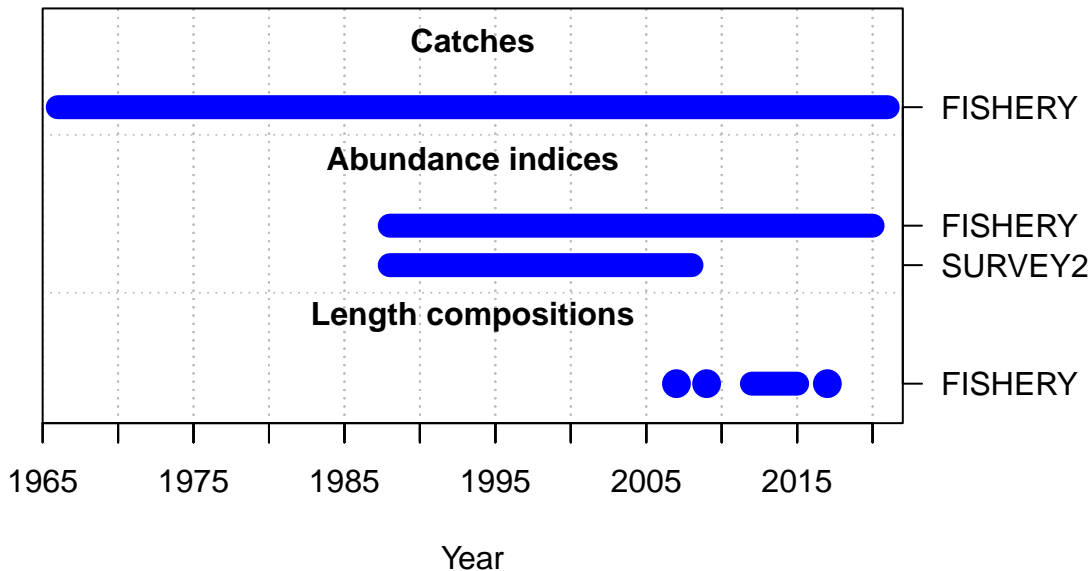


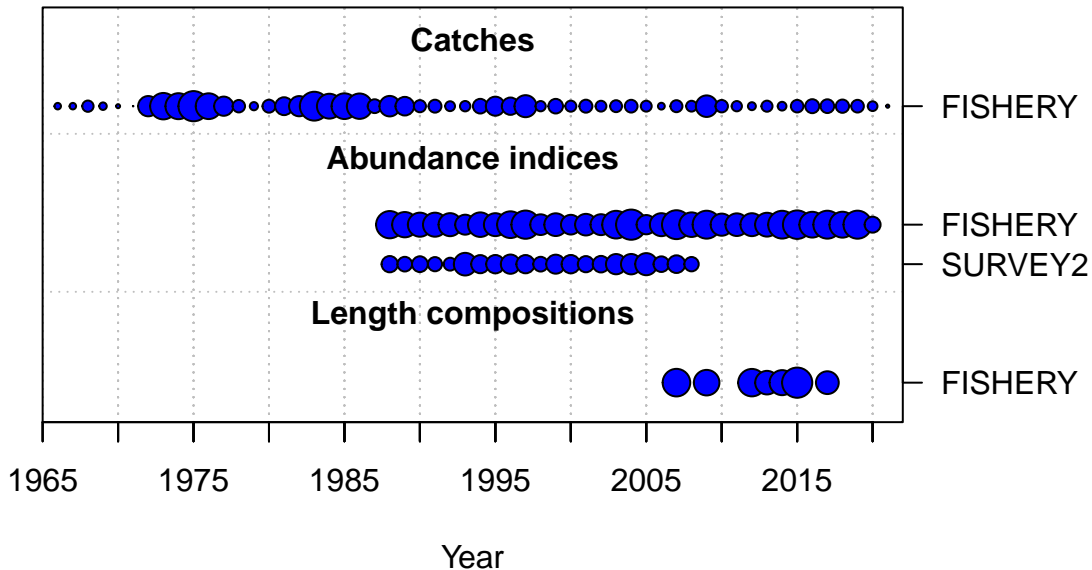




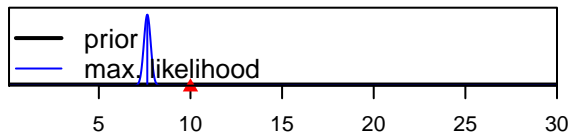




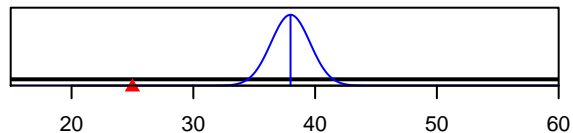




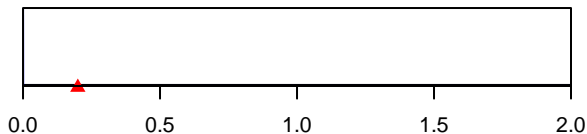
SR_LN(R0)



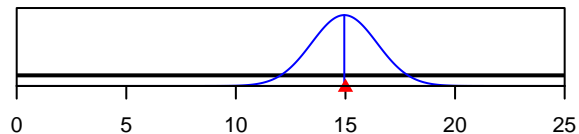
Size_inflection_FISHERY(1)



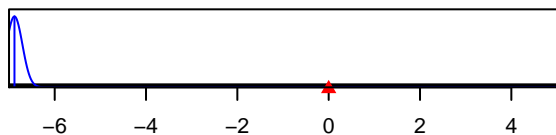
InitF_seas_1_flt_1FISHERY



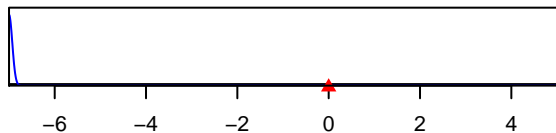
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value