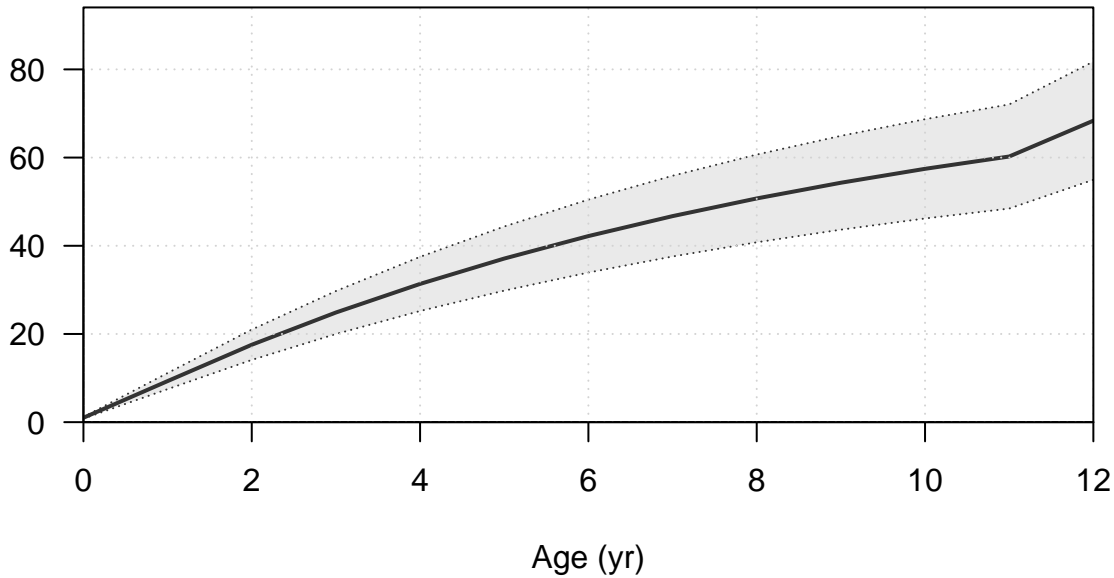
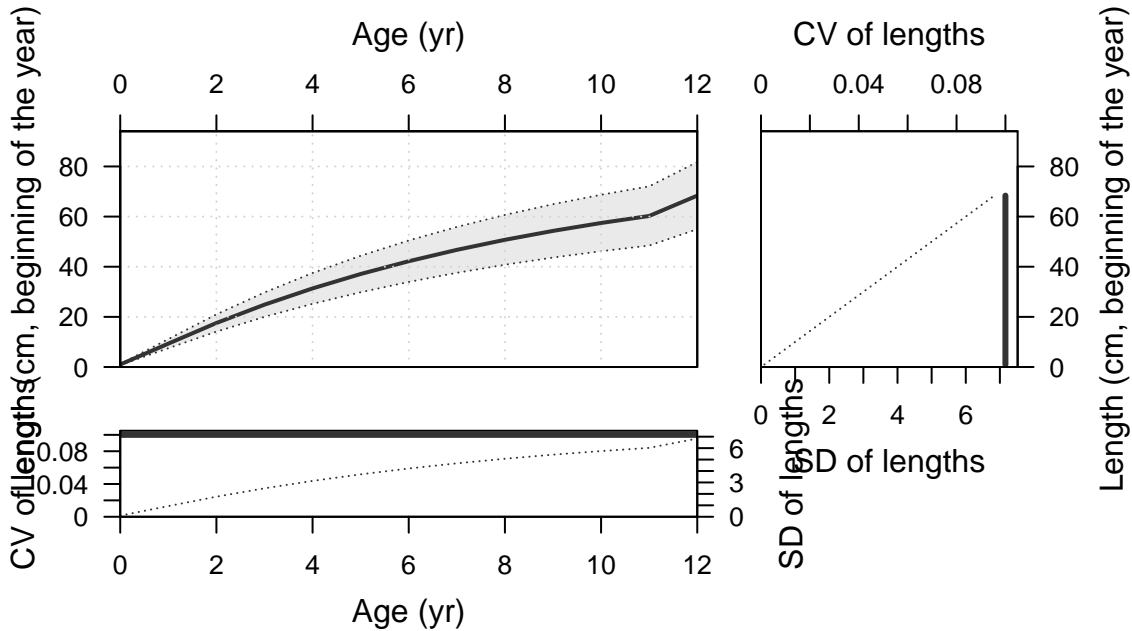
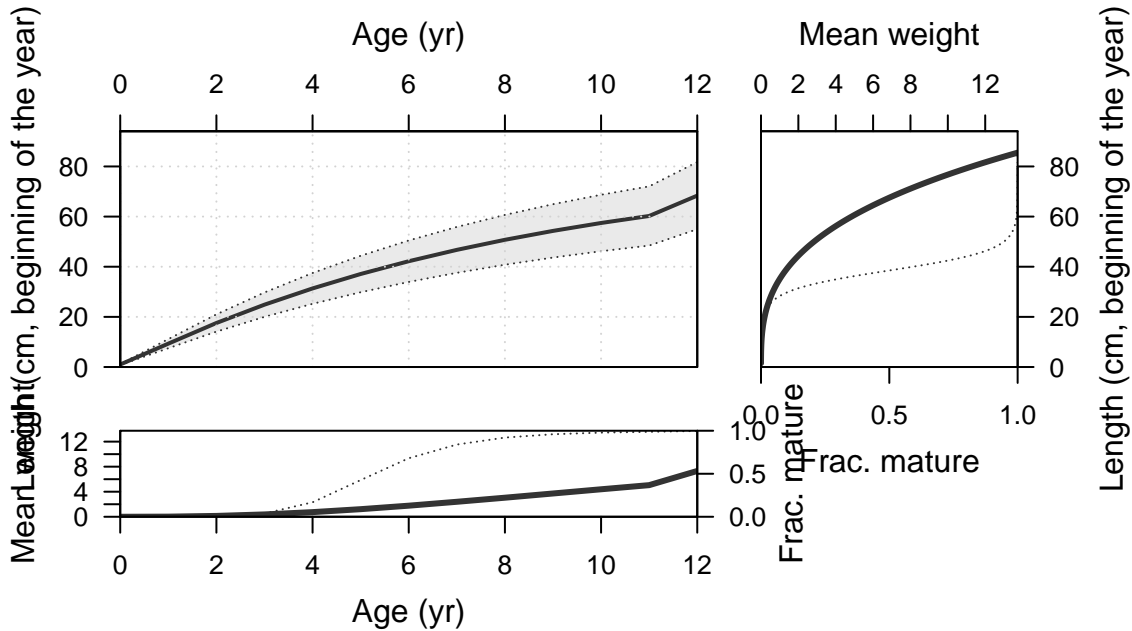


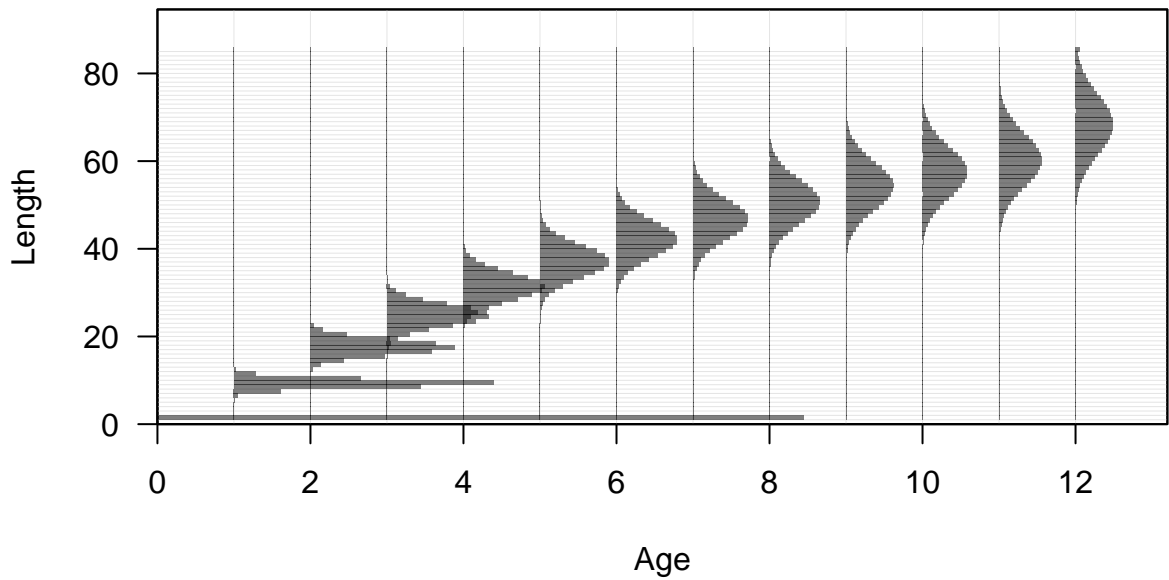
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Jul 12 16:53:53 2022
Data_File: data.ss
Control_File: control.ss

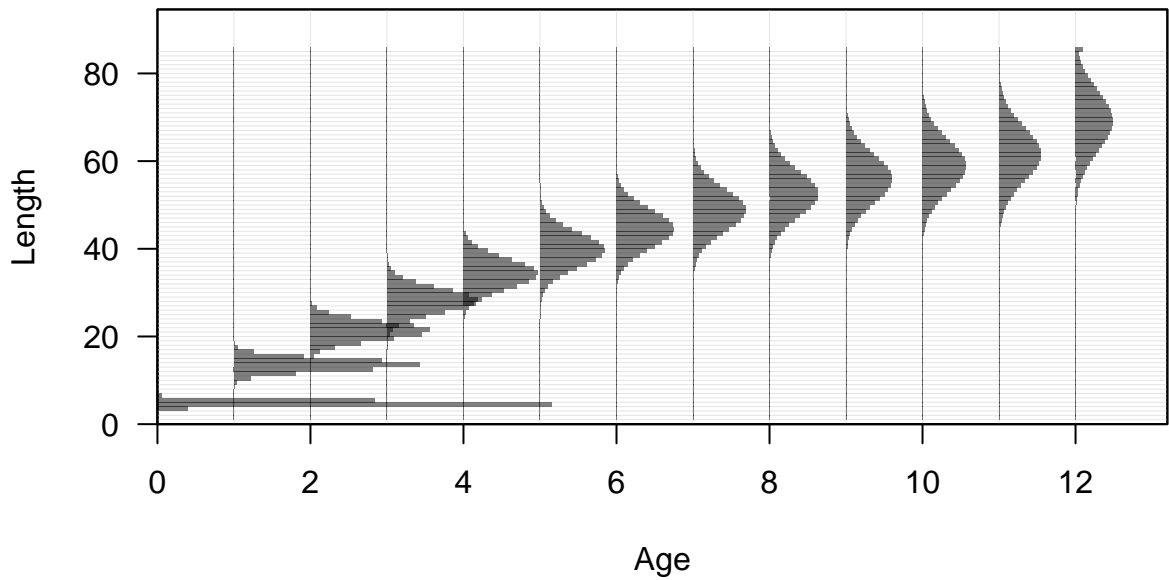
Length (cm, beginning of the year)

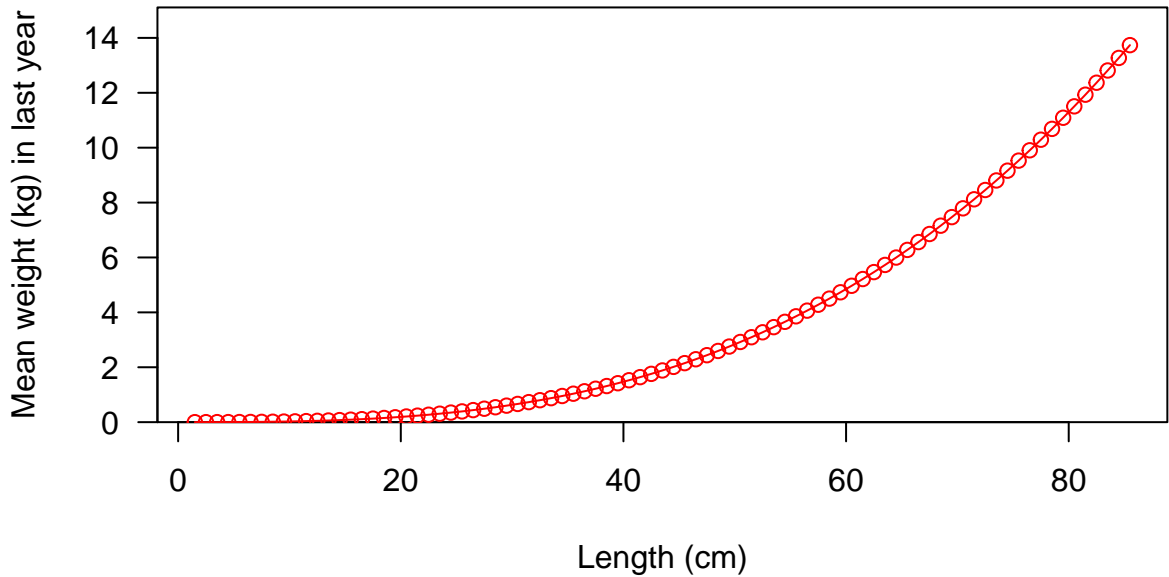


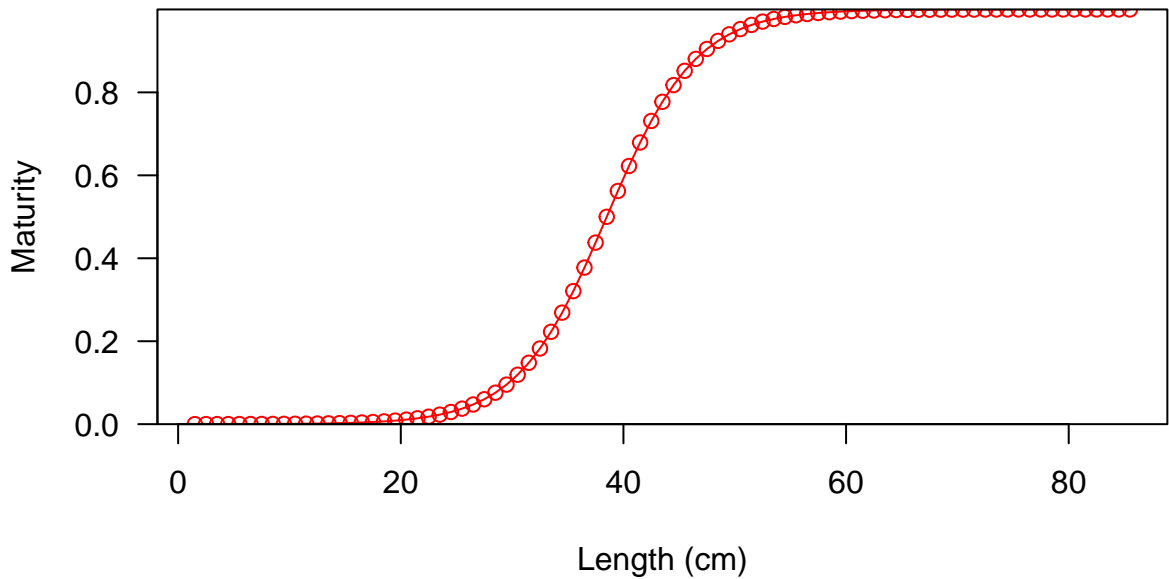


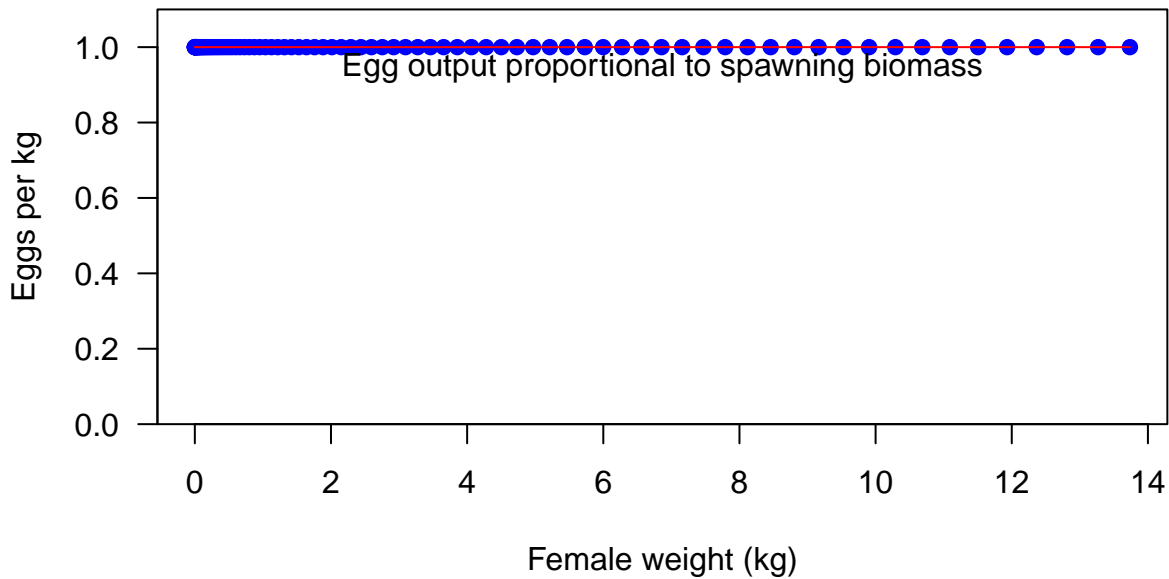




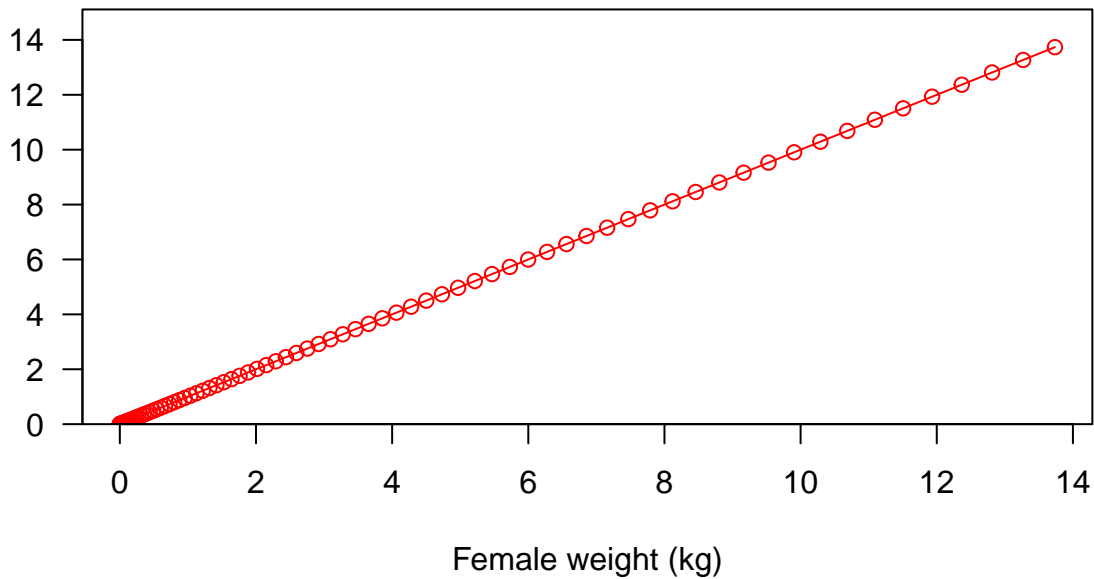




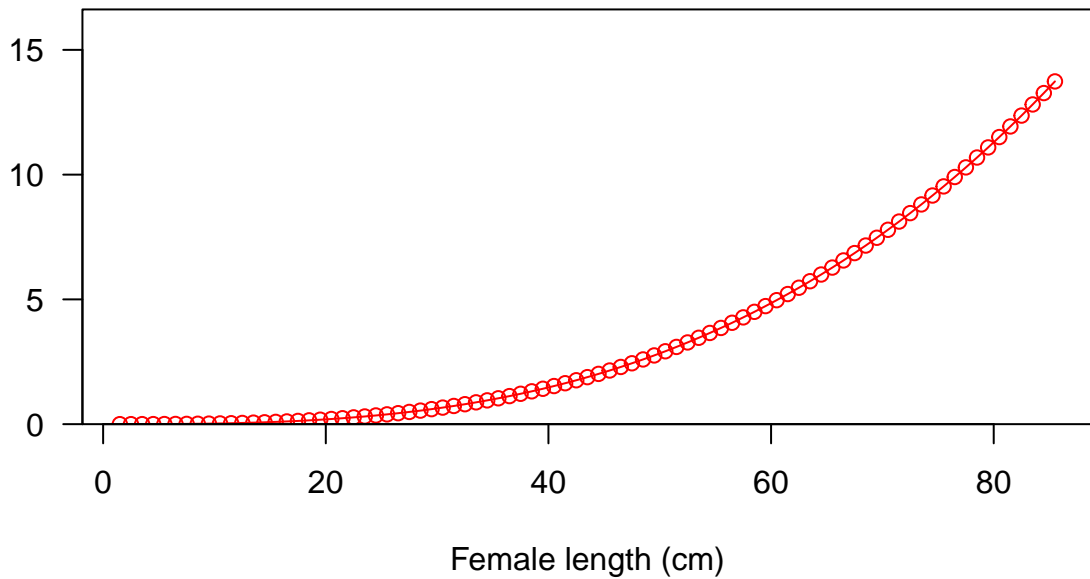




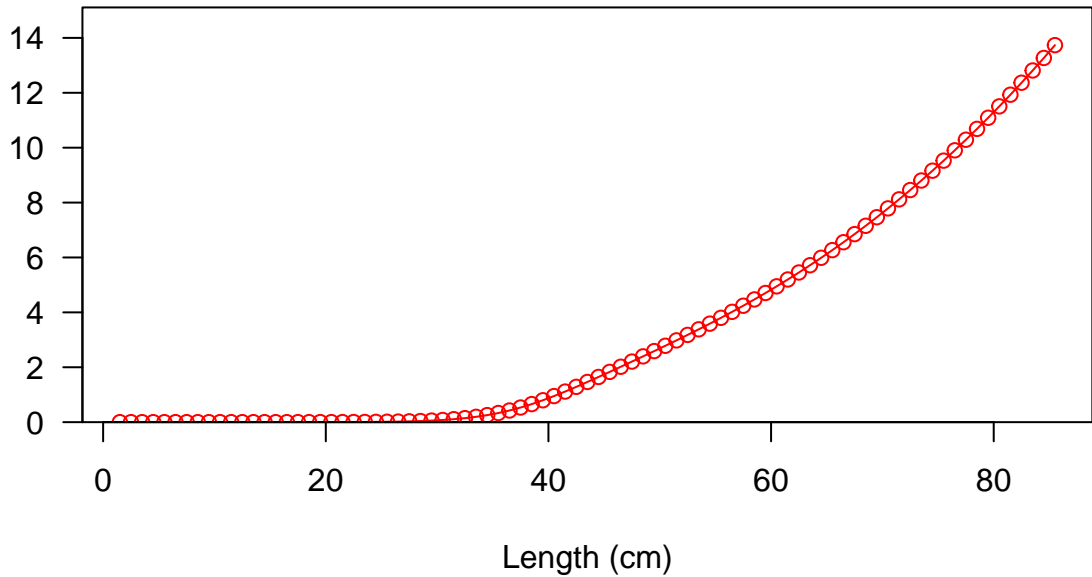
Fecundity

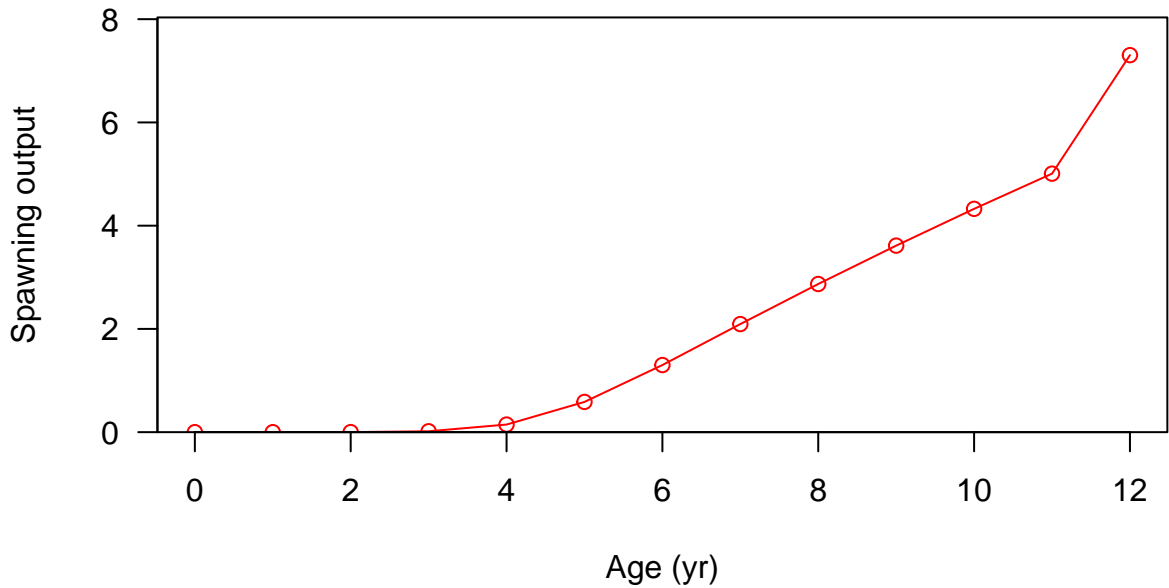


Fecundity

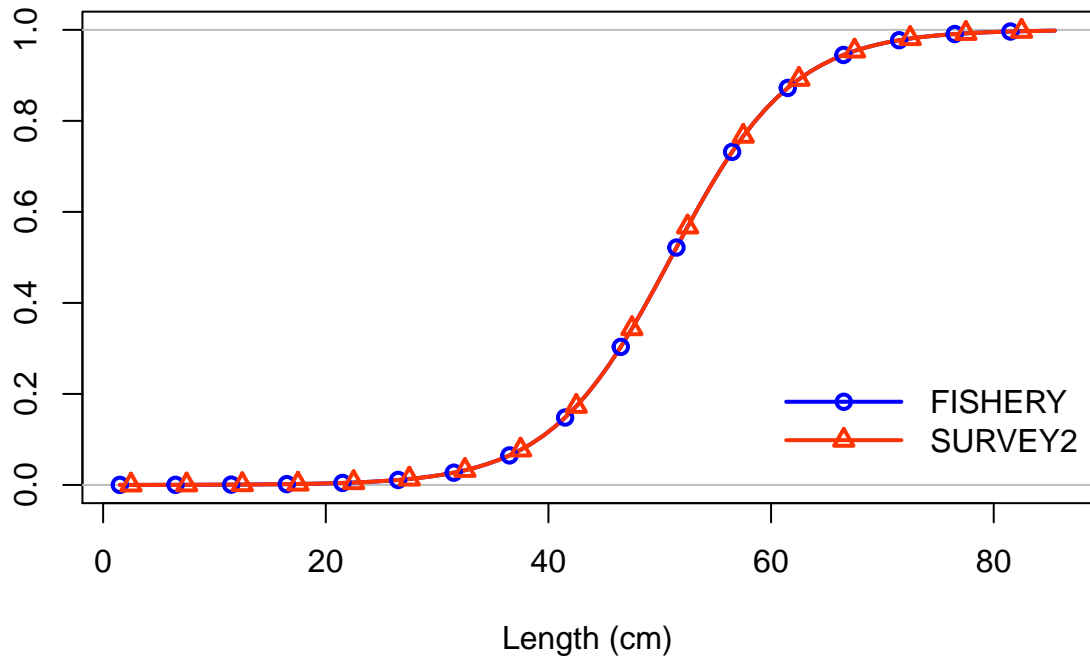


Spawning output

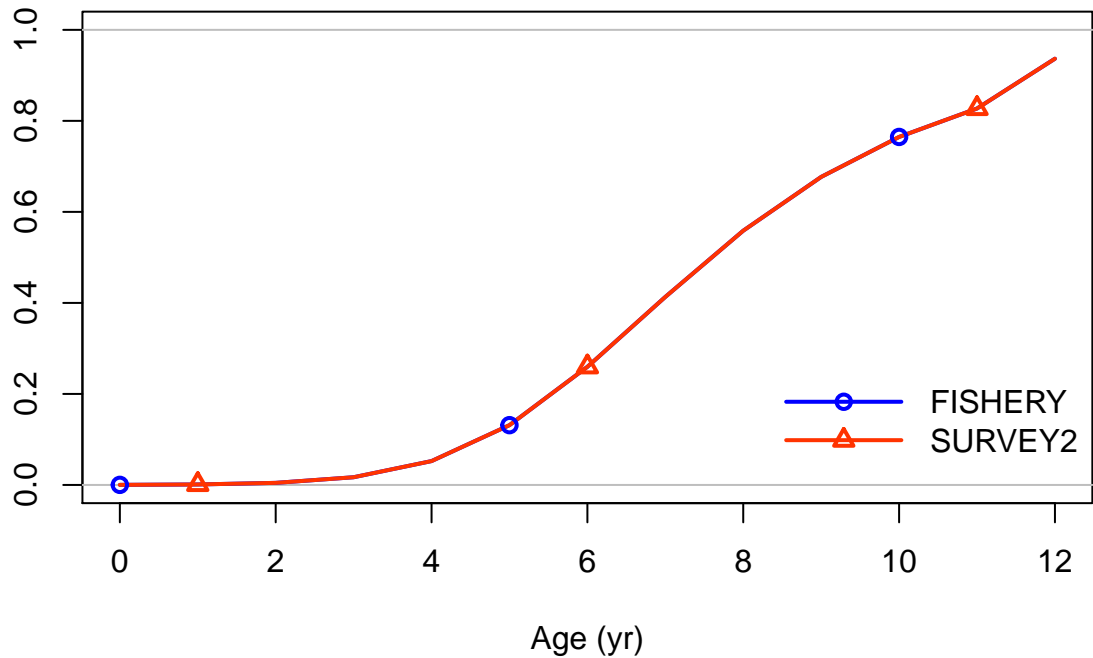




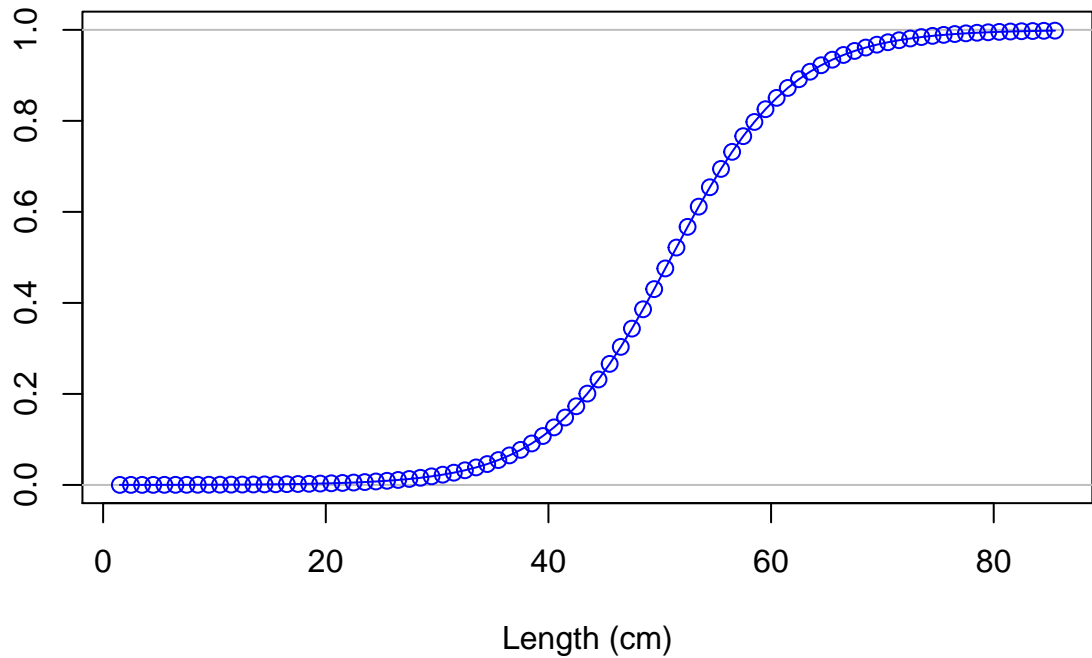
Selectivity



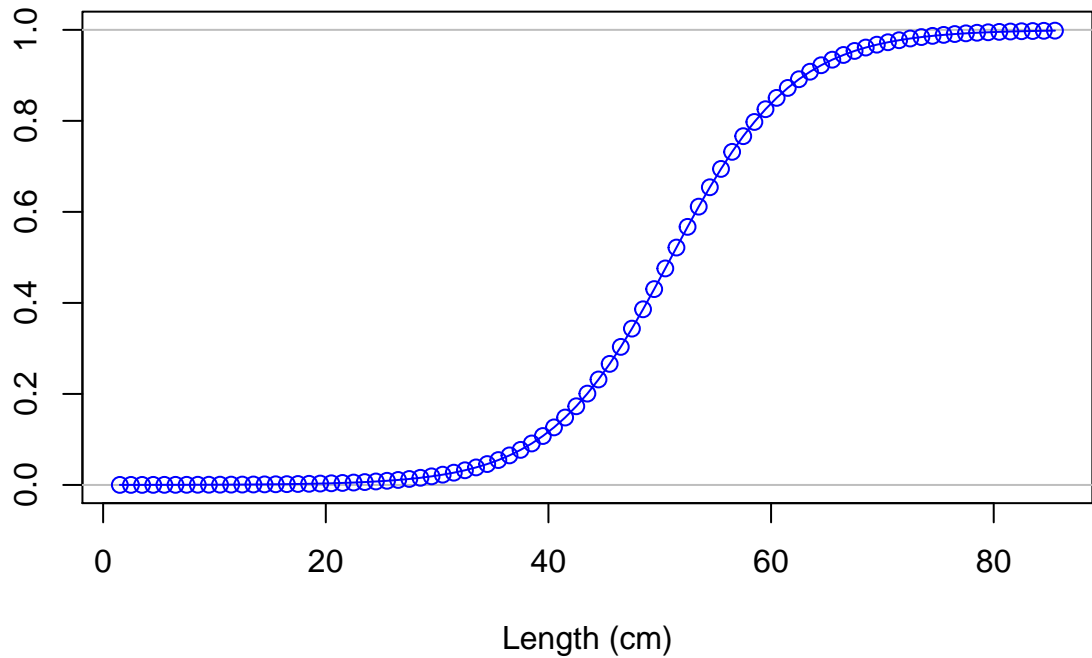
Selectivity

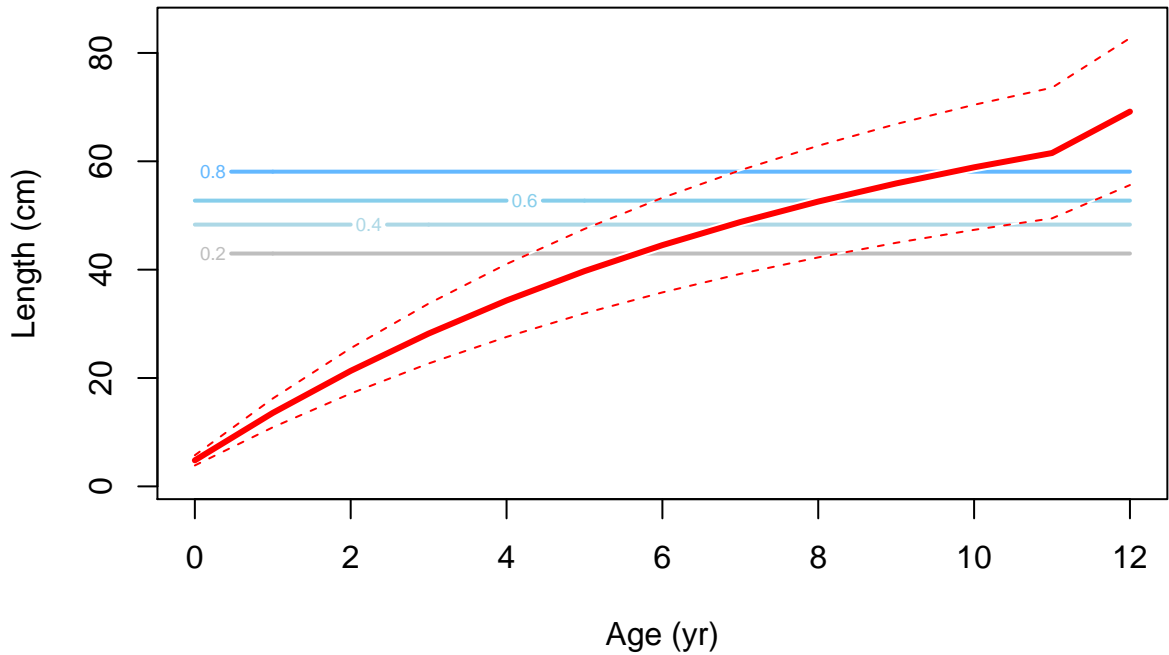


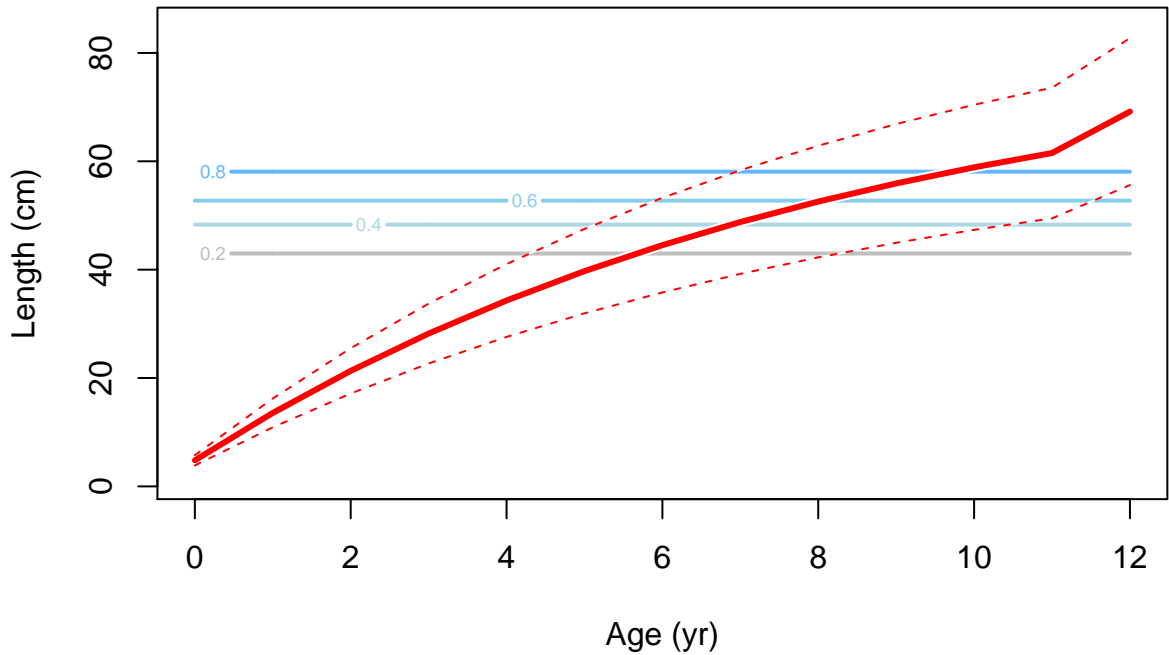
Selectivity

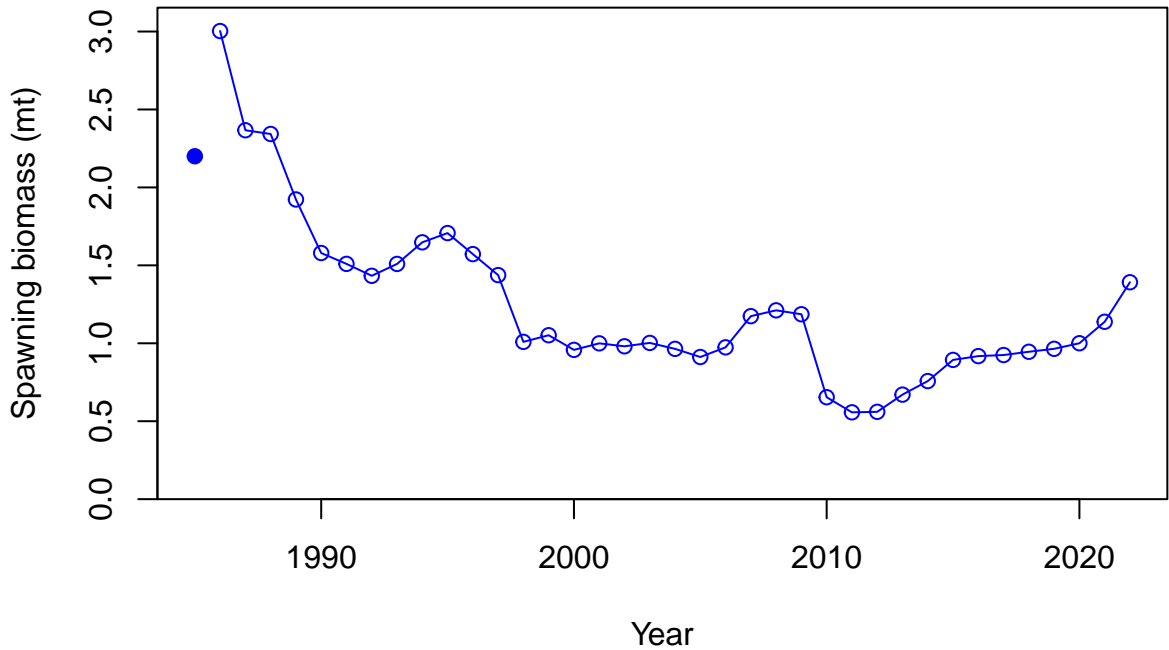


Selectivity

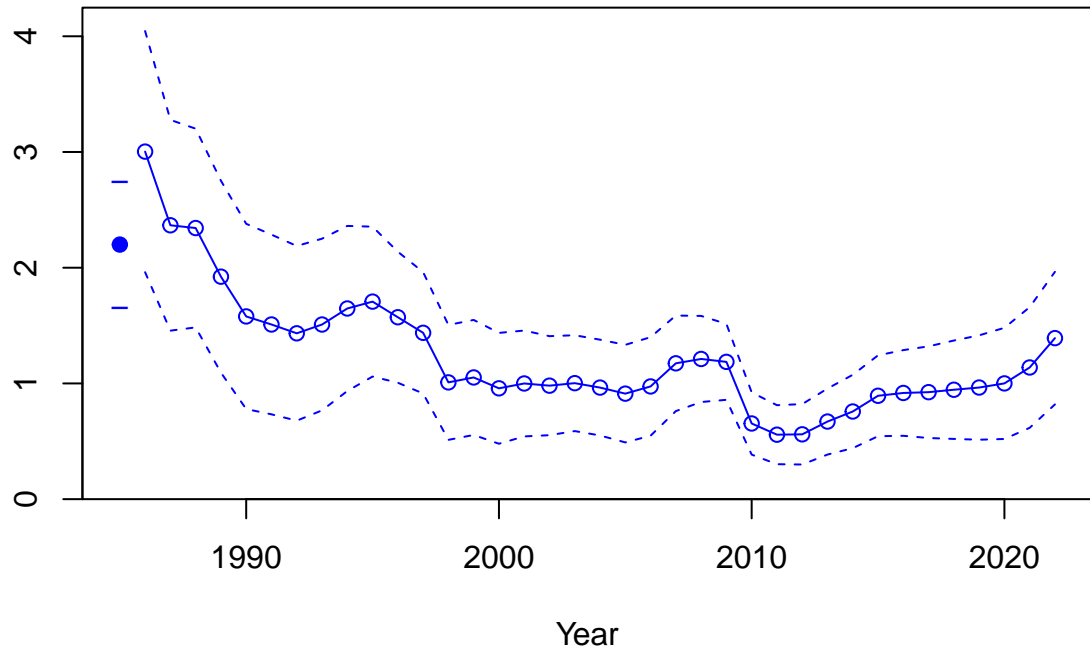




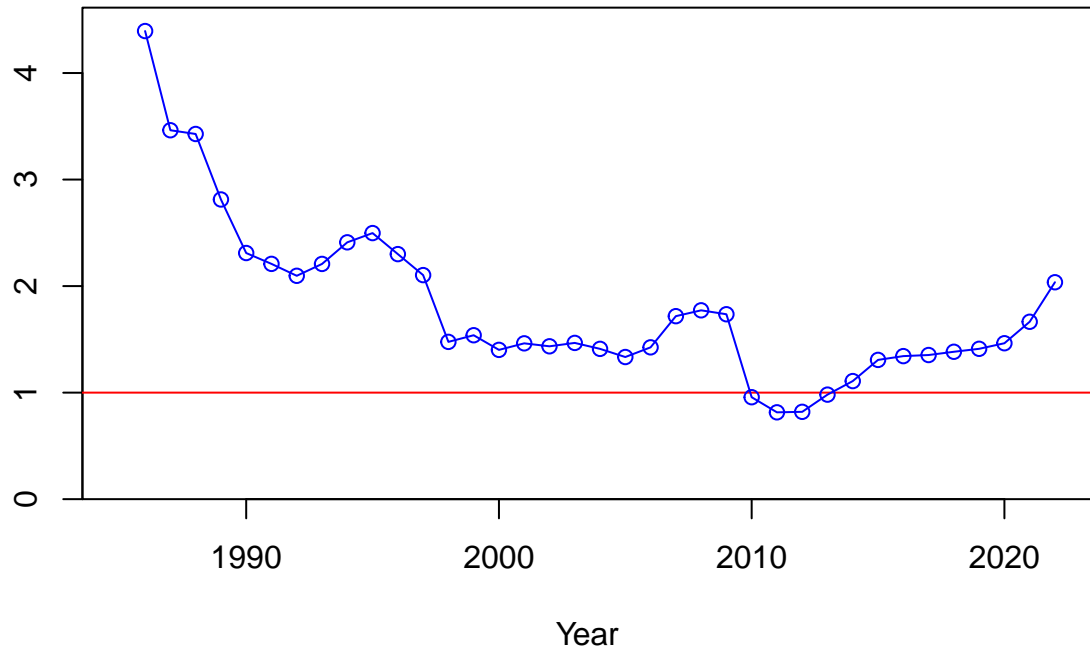




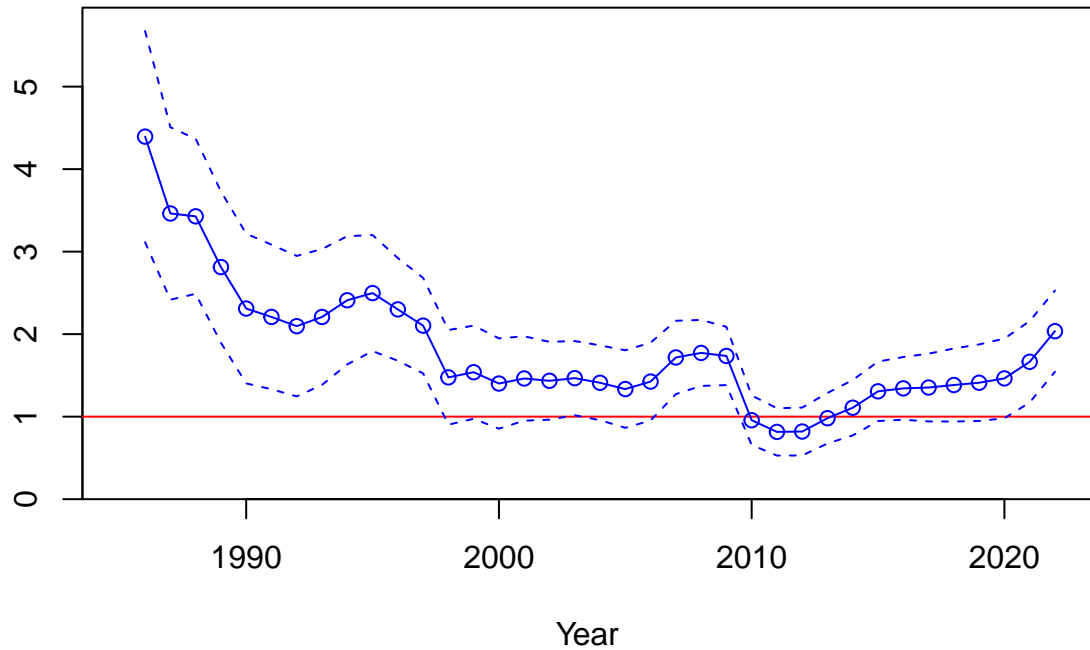
Spawning biomass (mt)

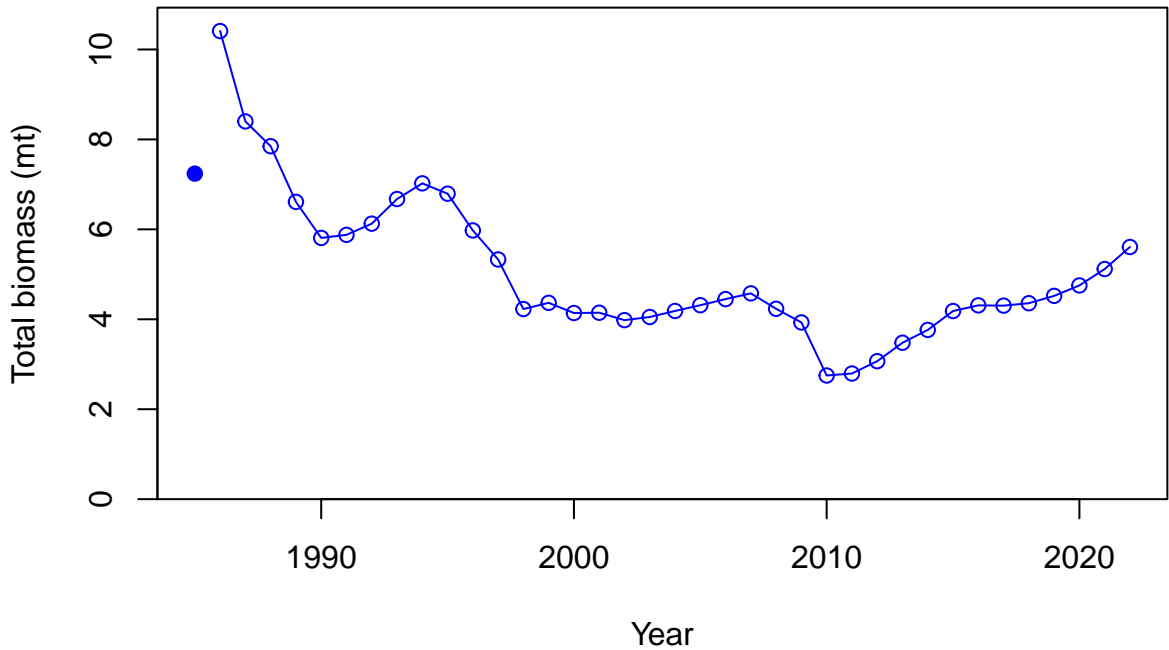


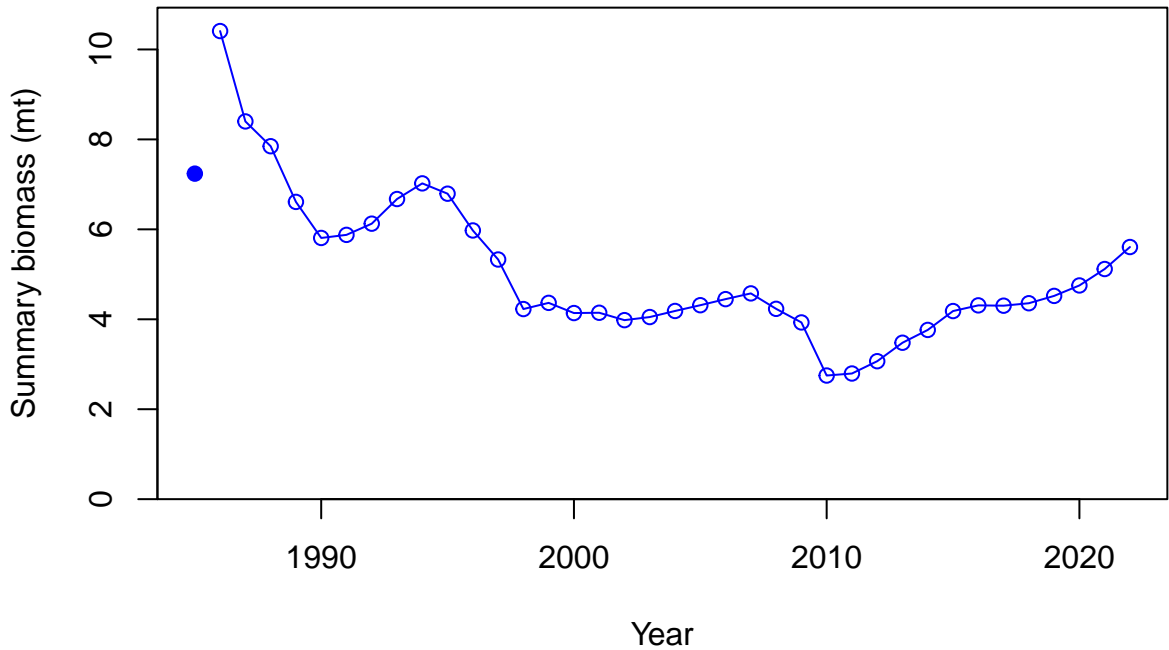
Relative spawning biomass: B/B_{MSY}



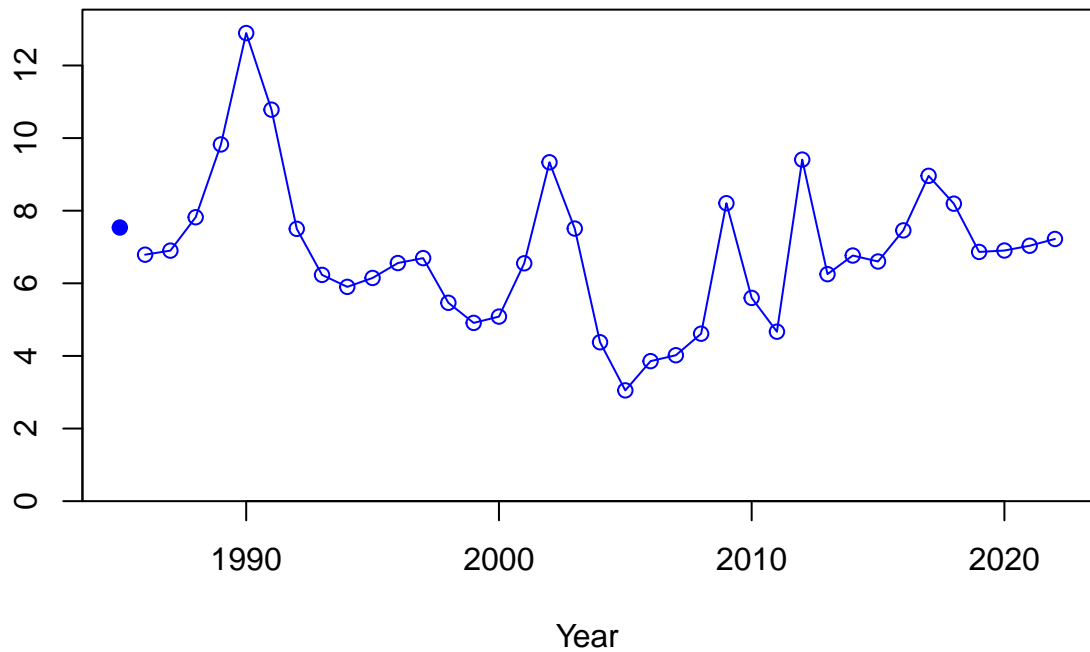
Relative spawning biomass: B/B_{MSY}

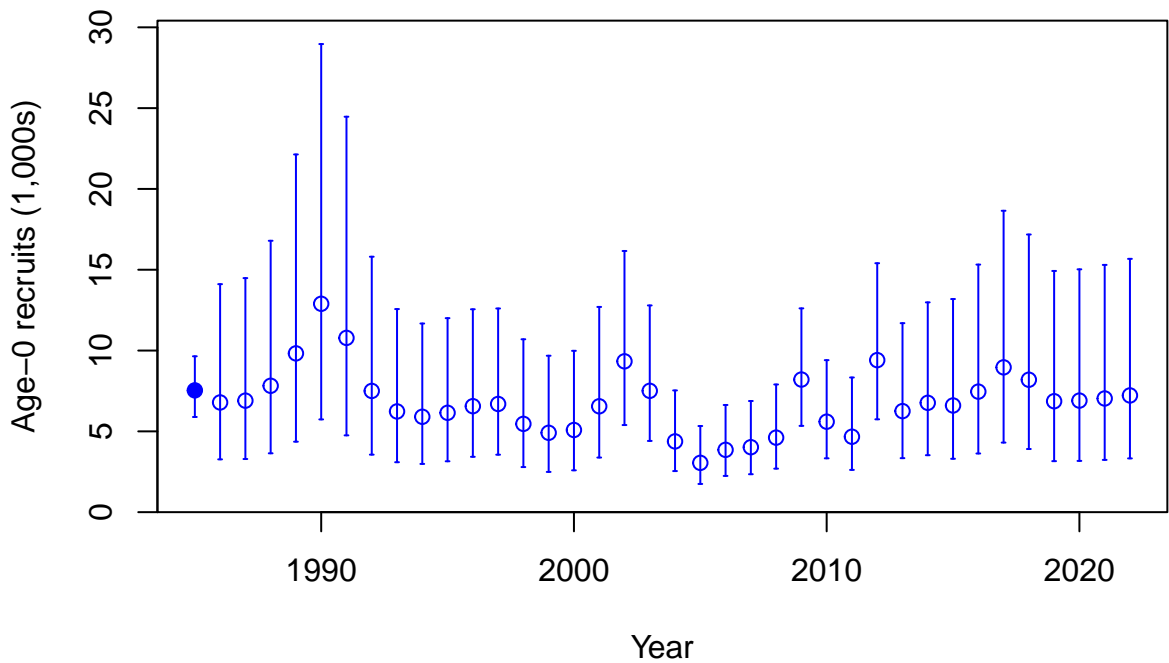




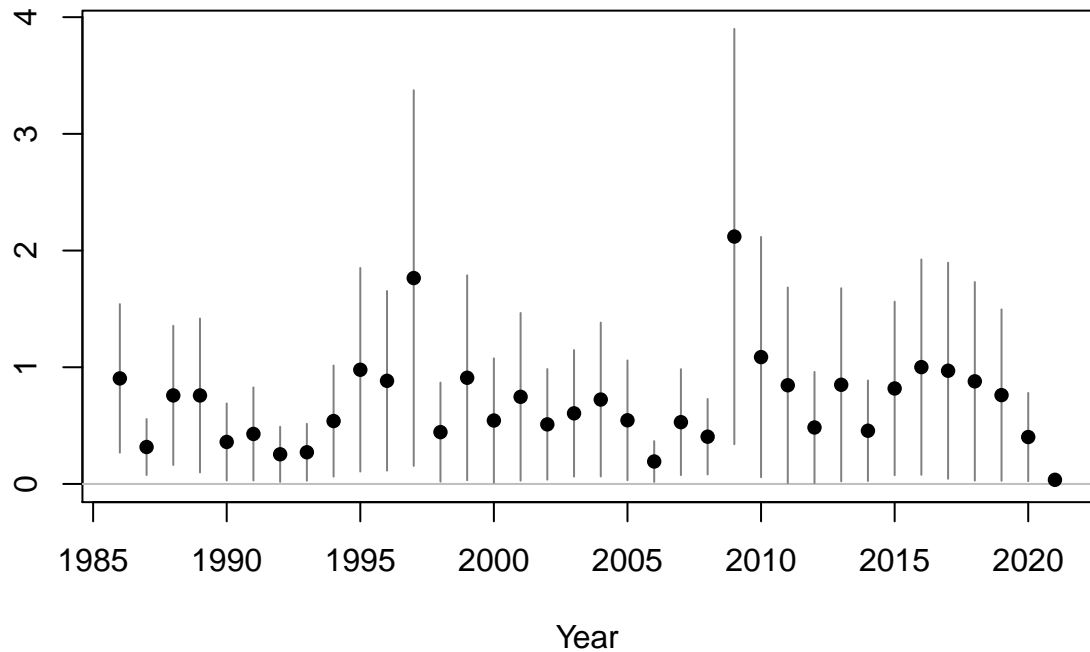


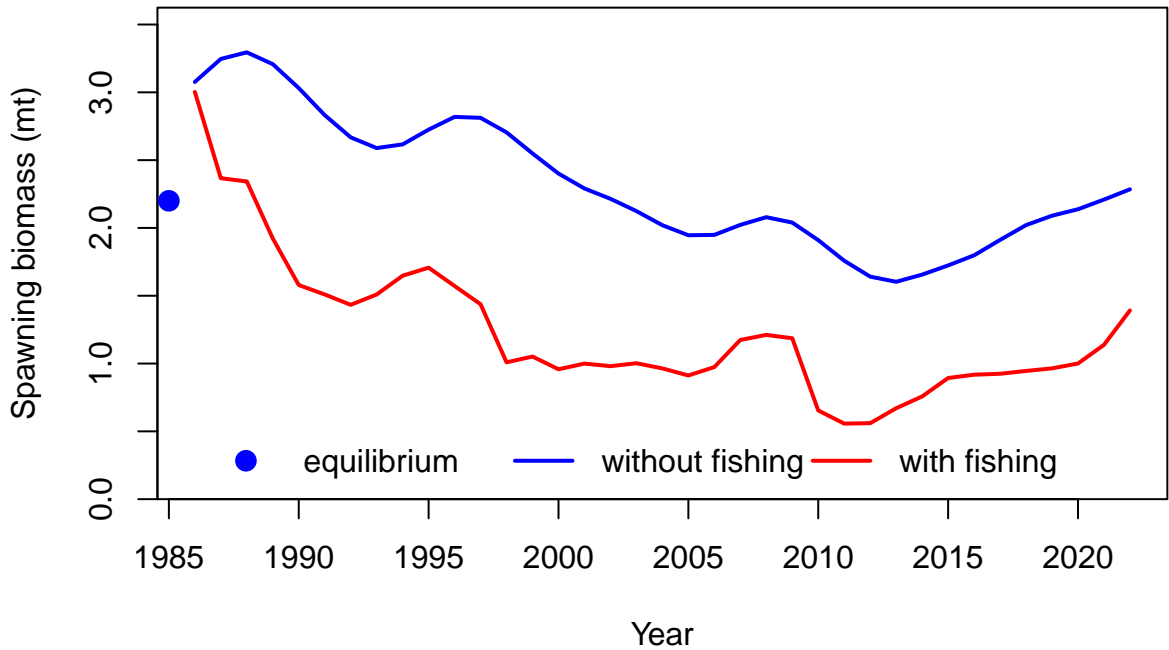
Age-0 recruits (1,000s)



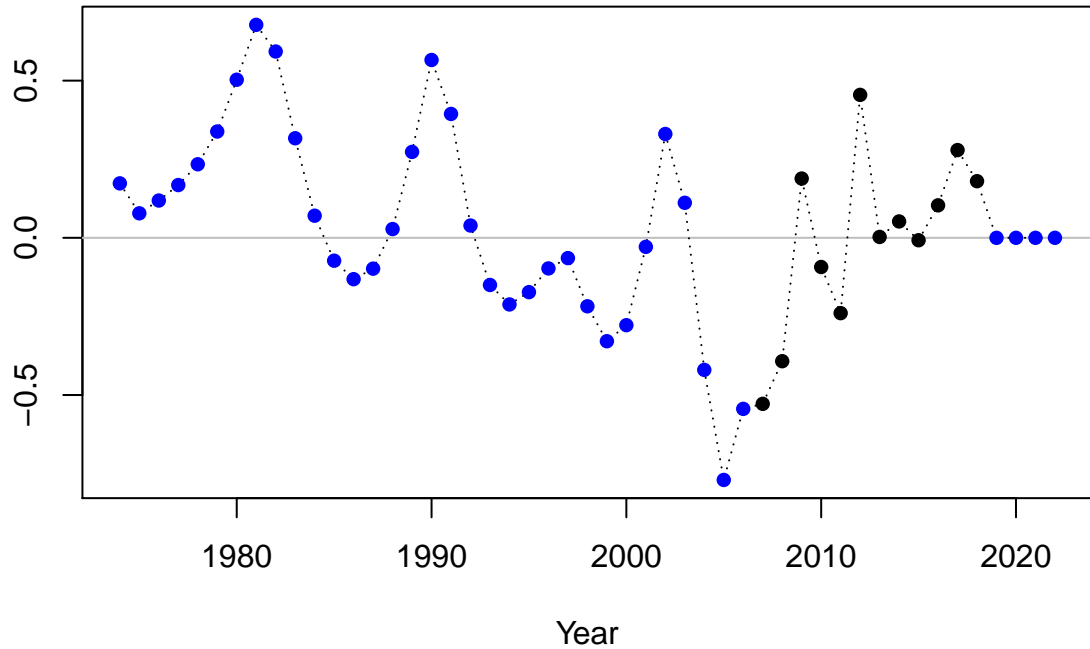


Summary Fishing Mortality





Log recruitment deviation



Log recruitment deviation

-1.0 0.0 0.5 1.0 1.5

1980

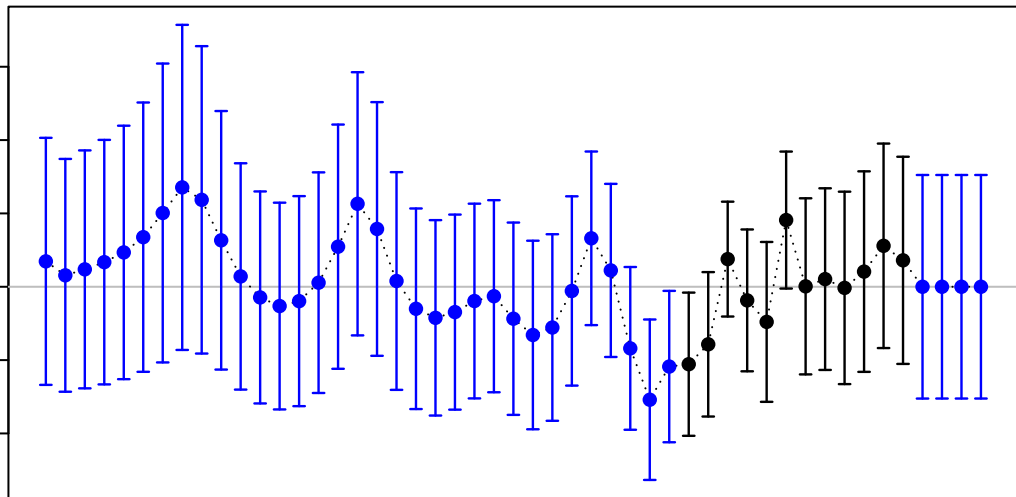
1990

2000

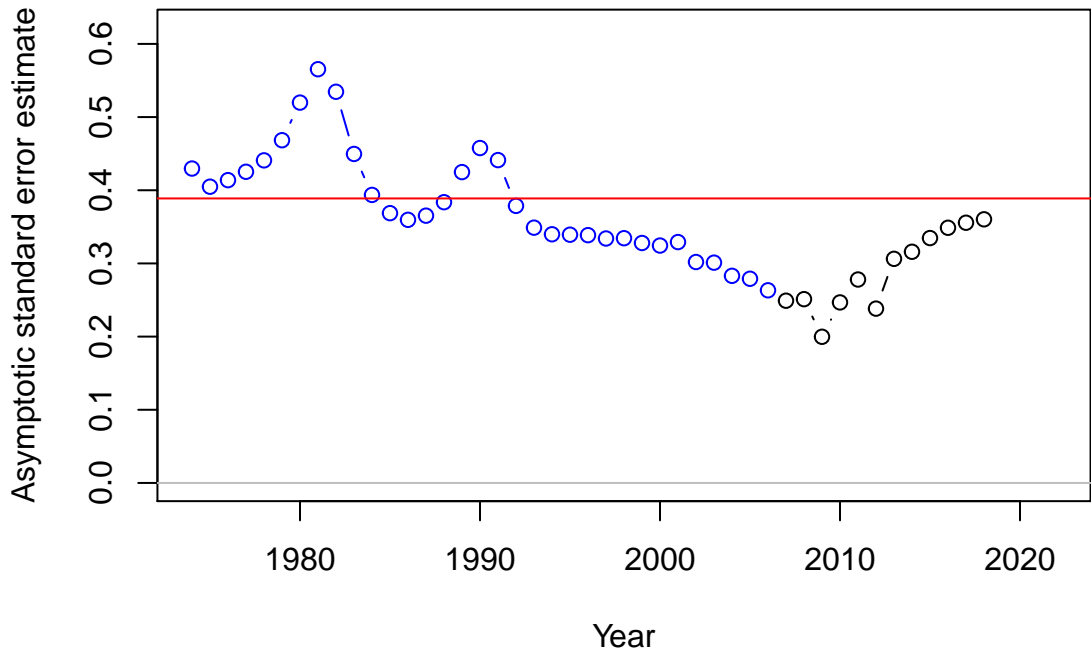
2010

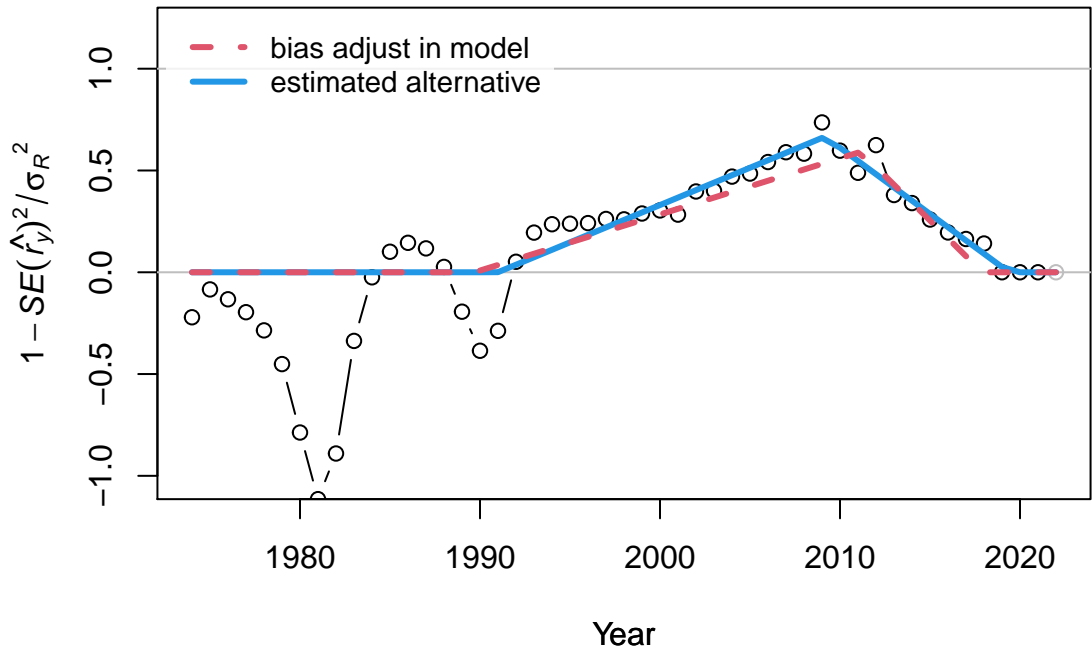
2020

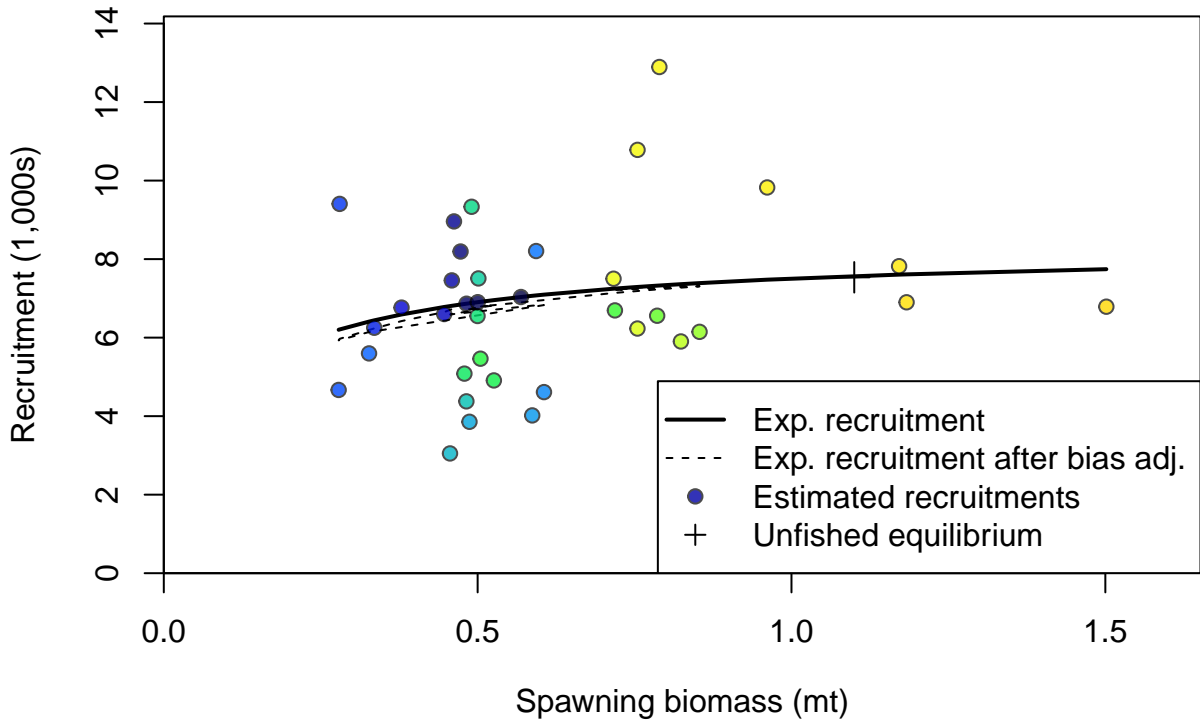
Year



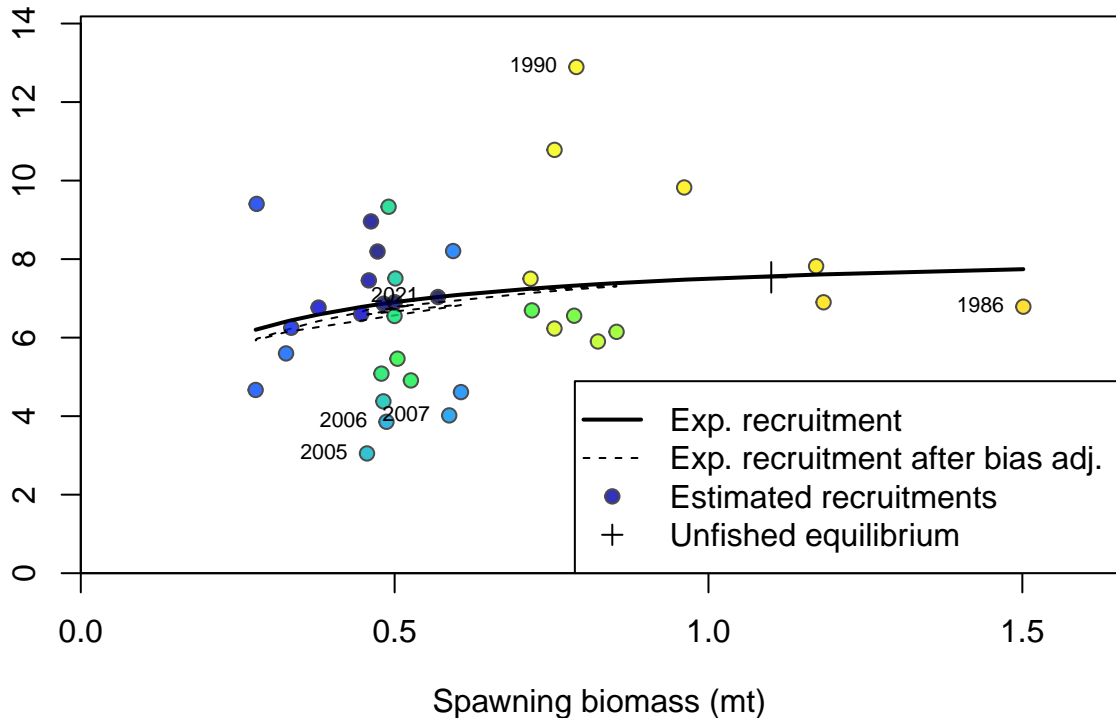
Recruitment deviation variance



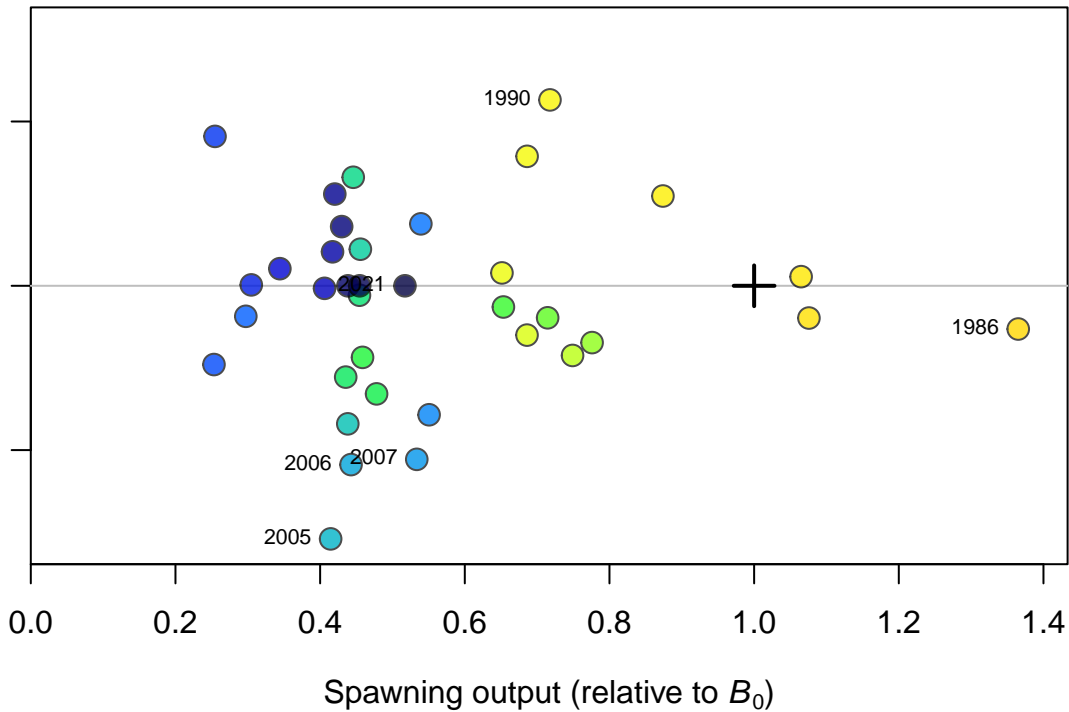


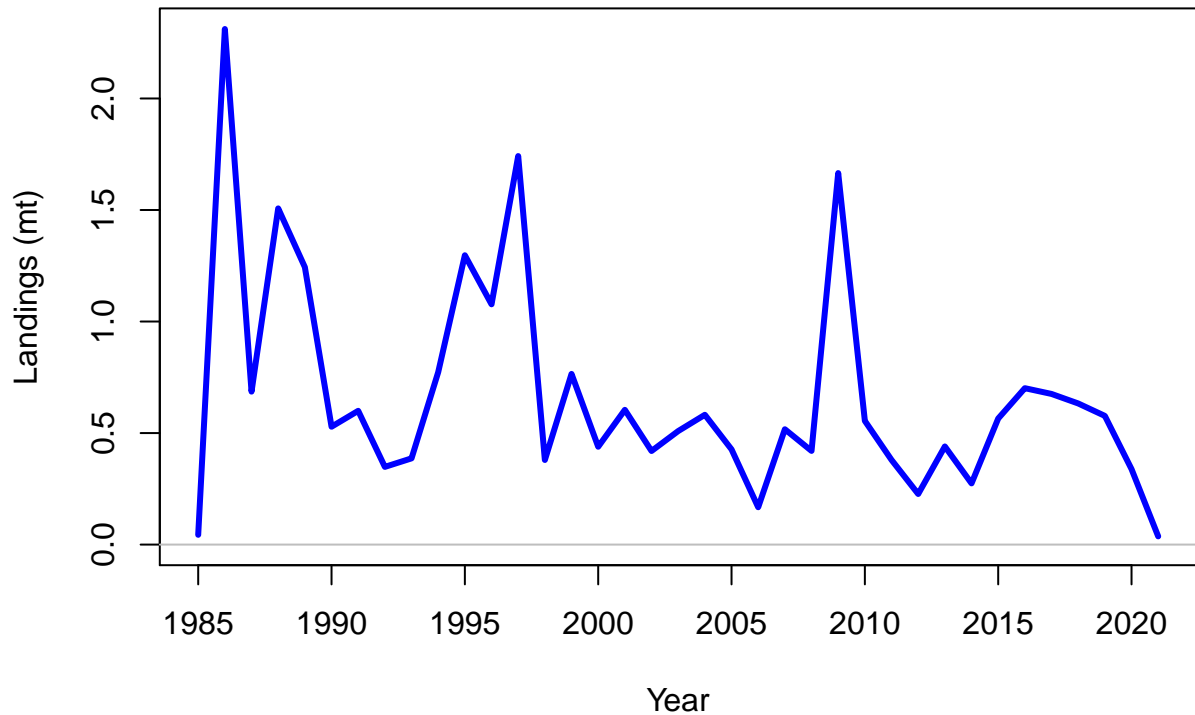


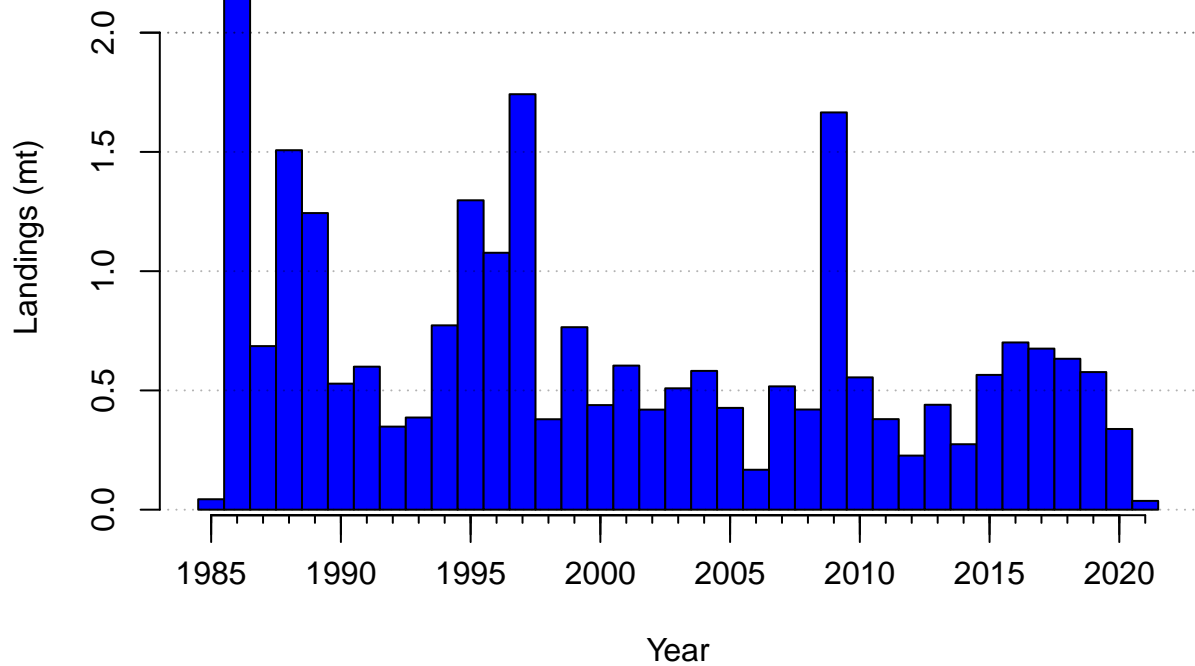
Recruitment (1,000s)

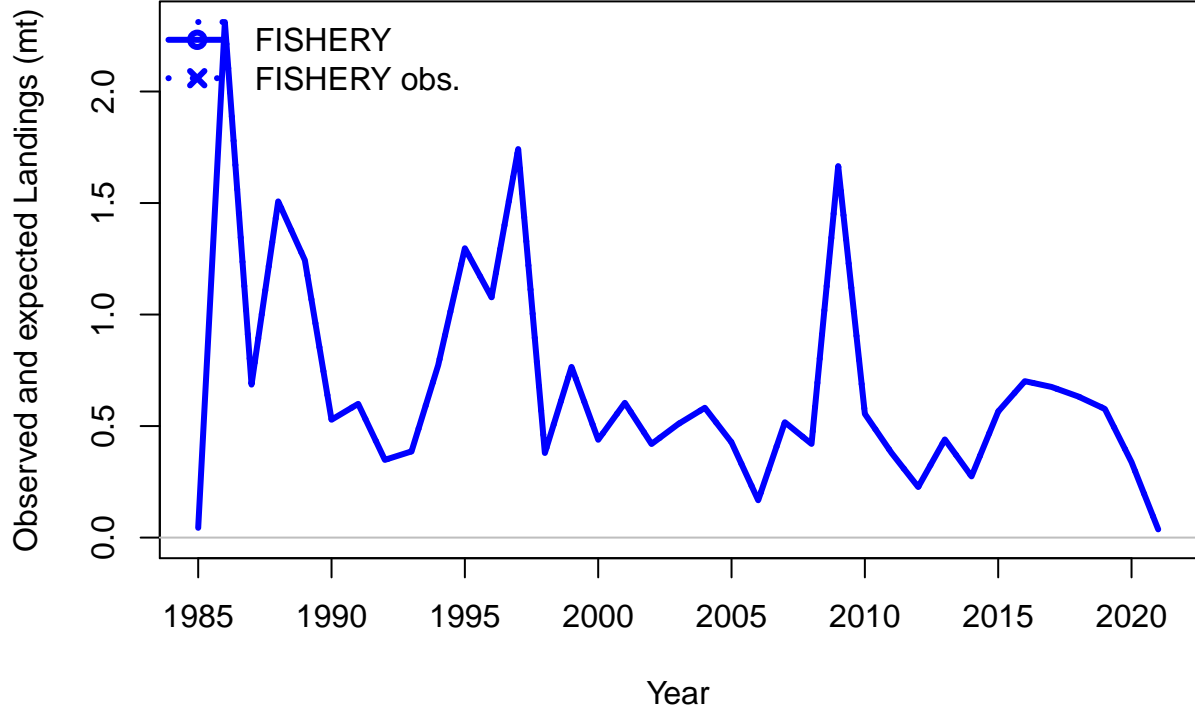


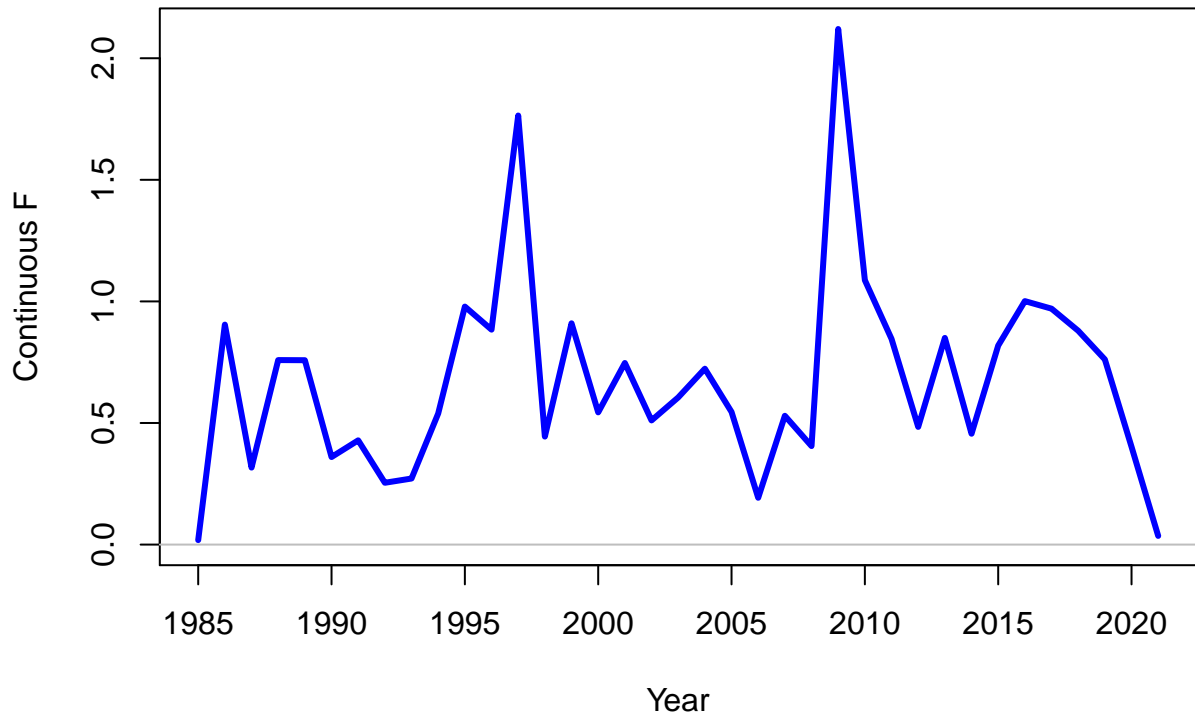
Log recruitment deviation



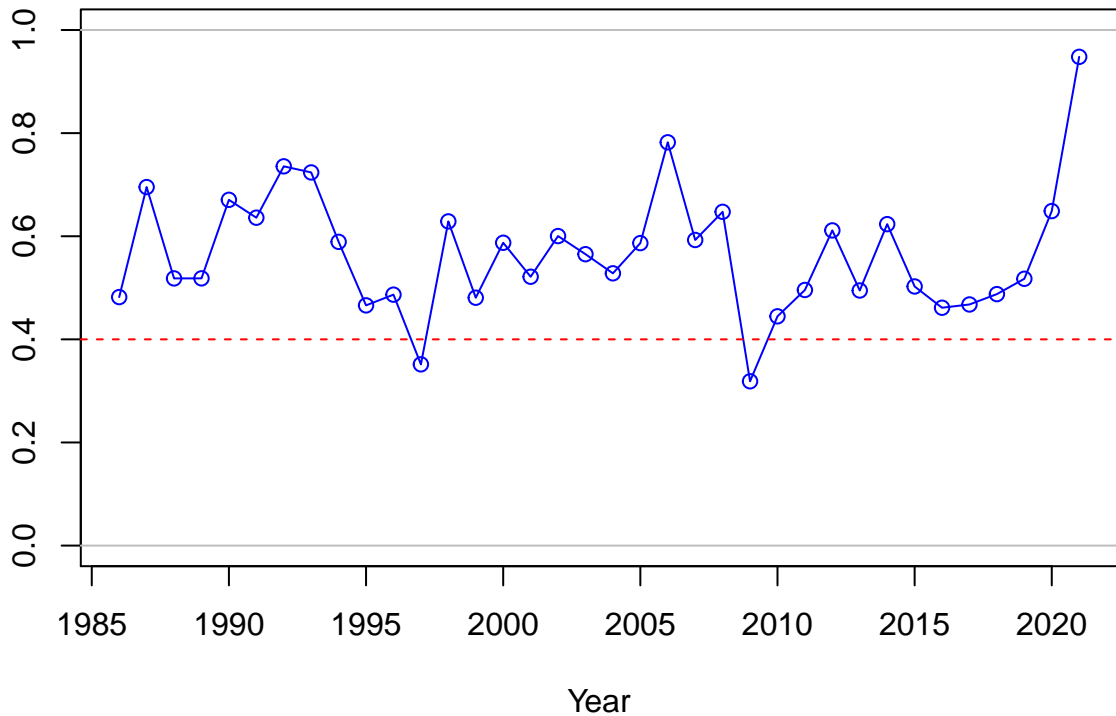




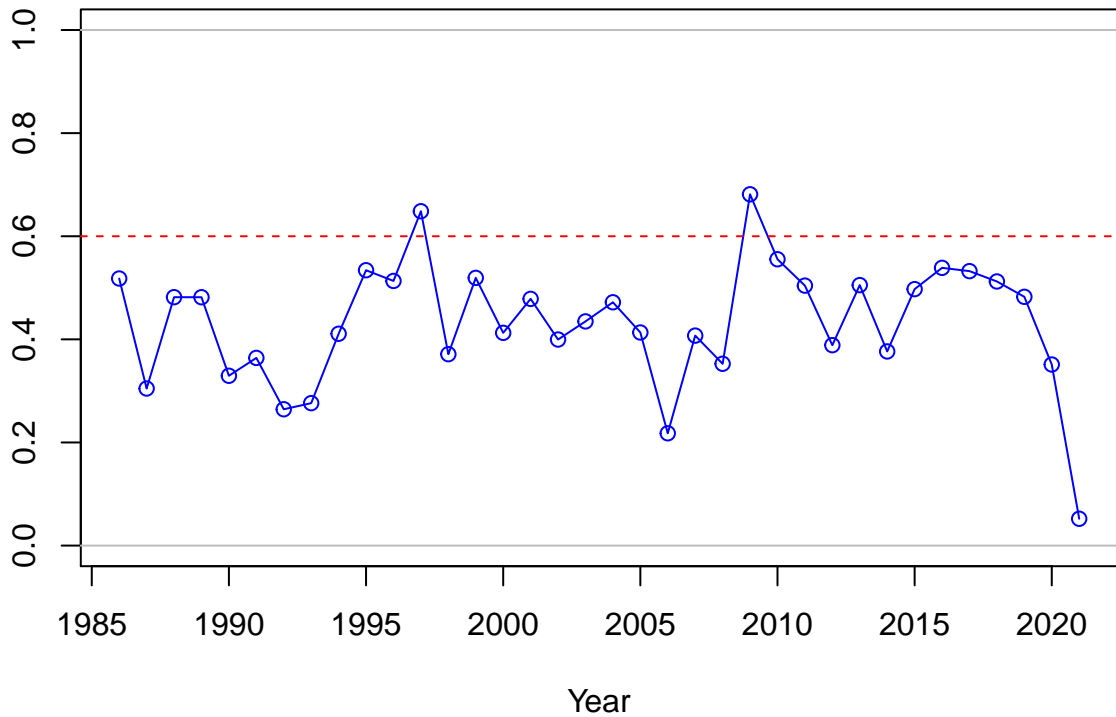




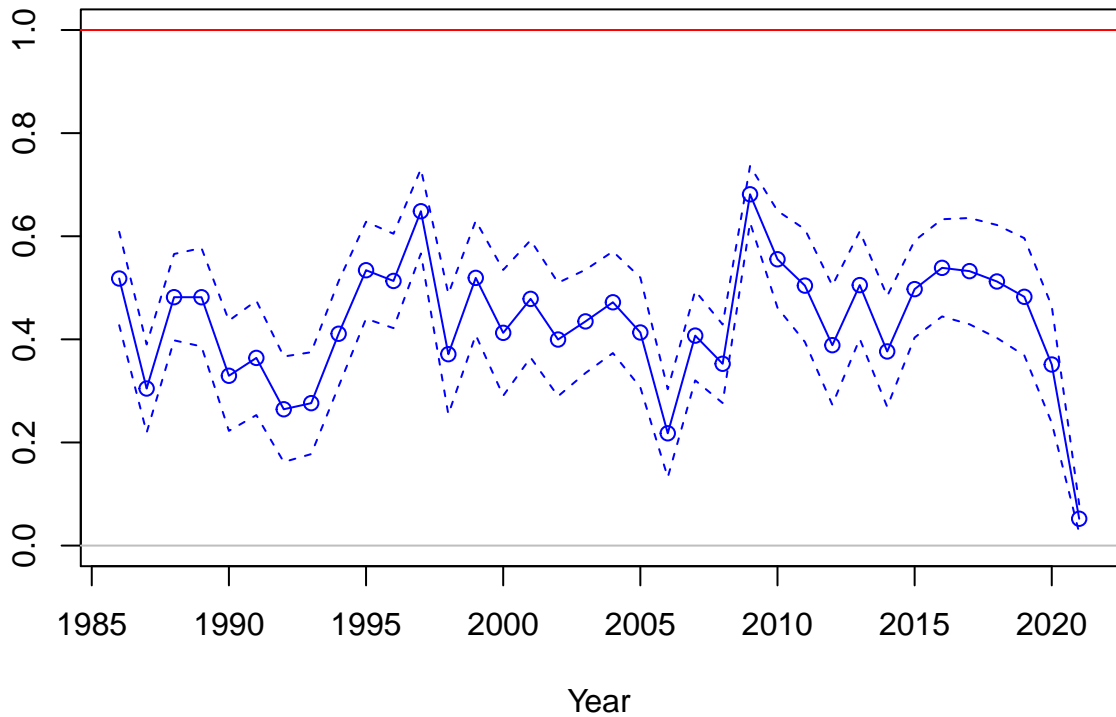
SPR

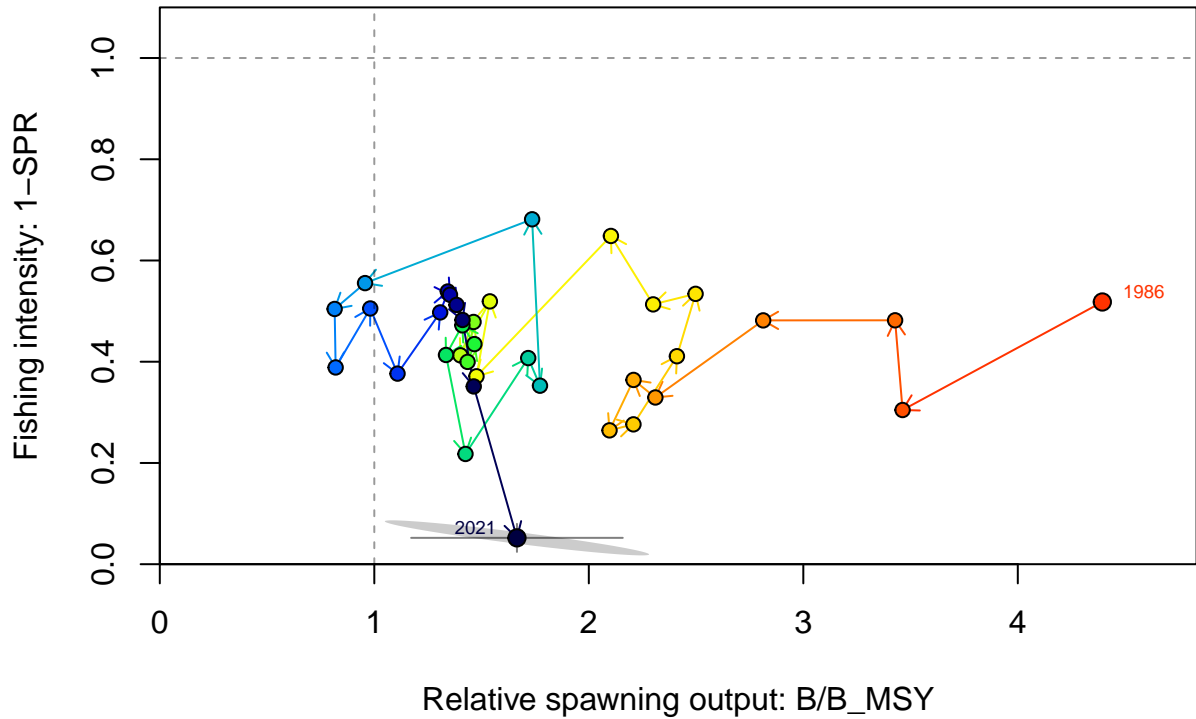


1-SPR

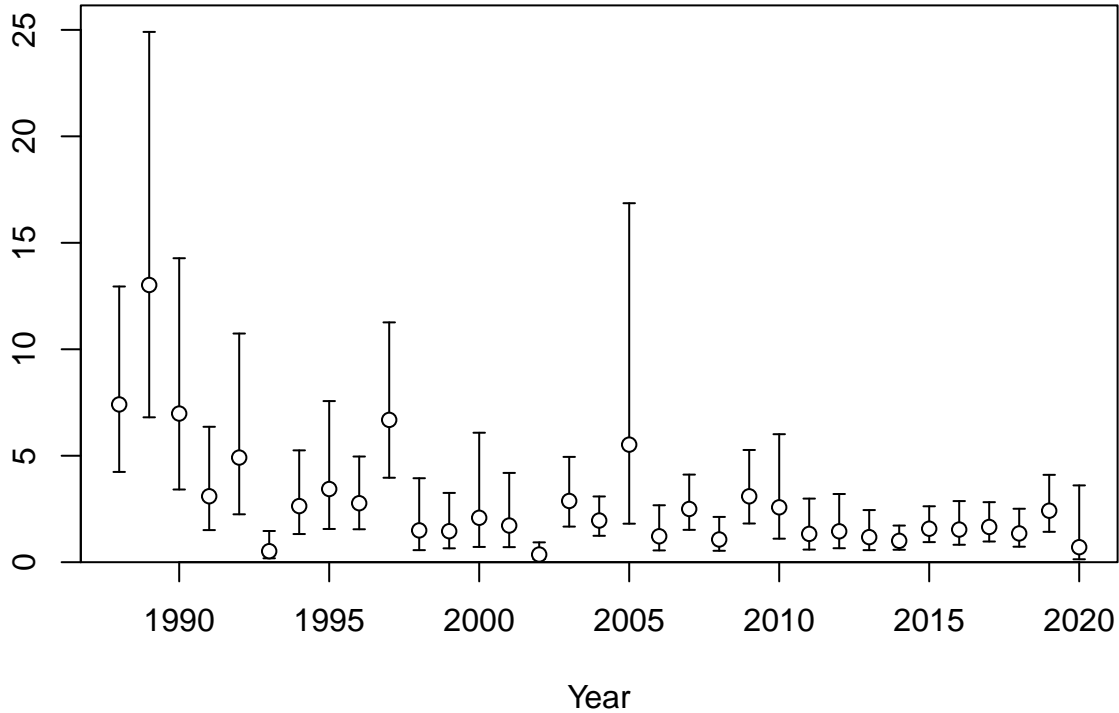


Fishing intensity: 1-SPR

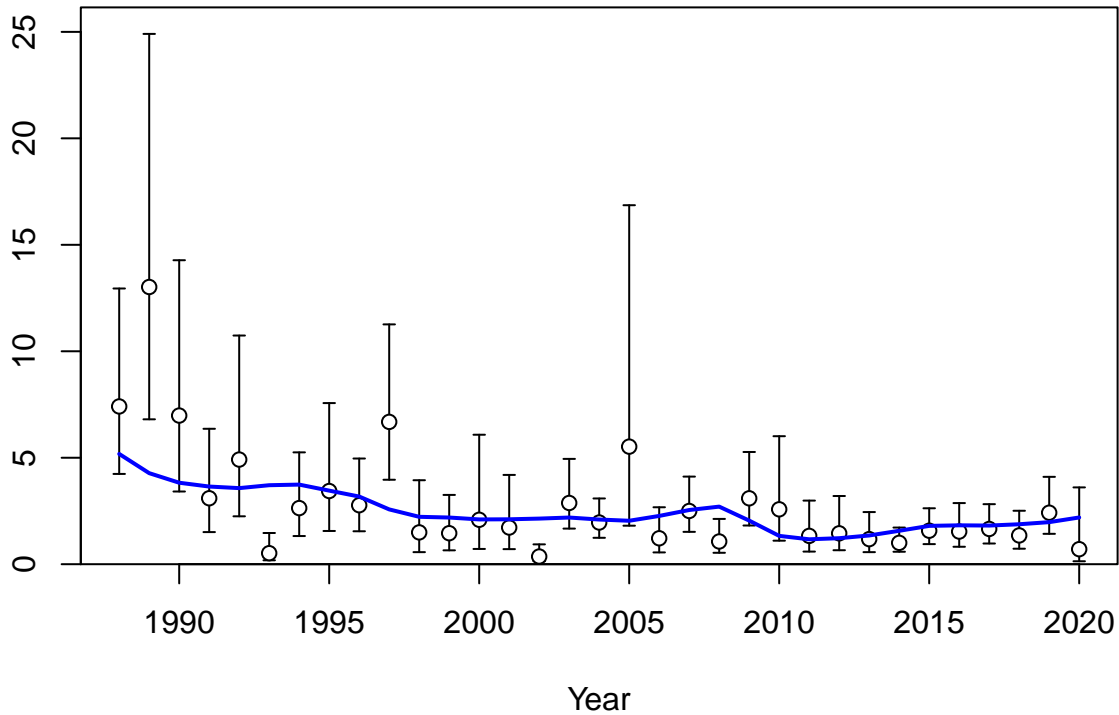


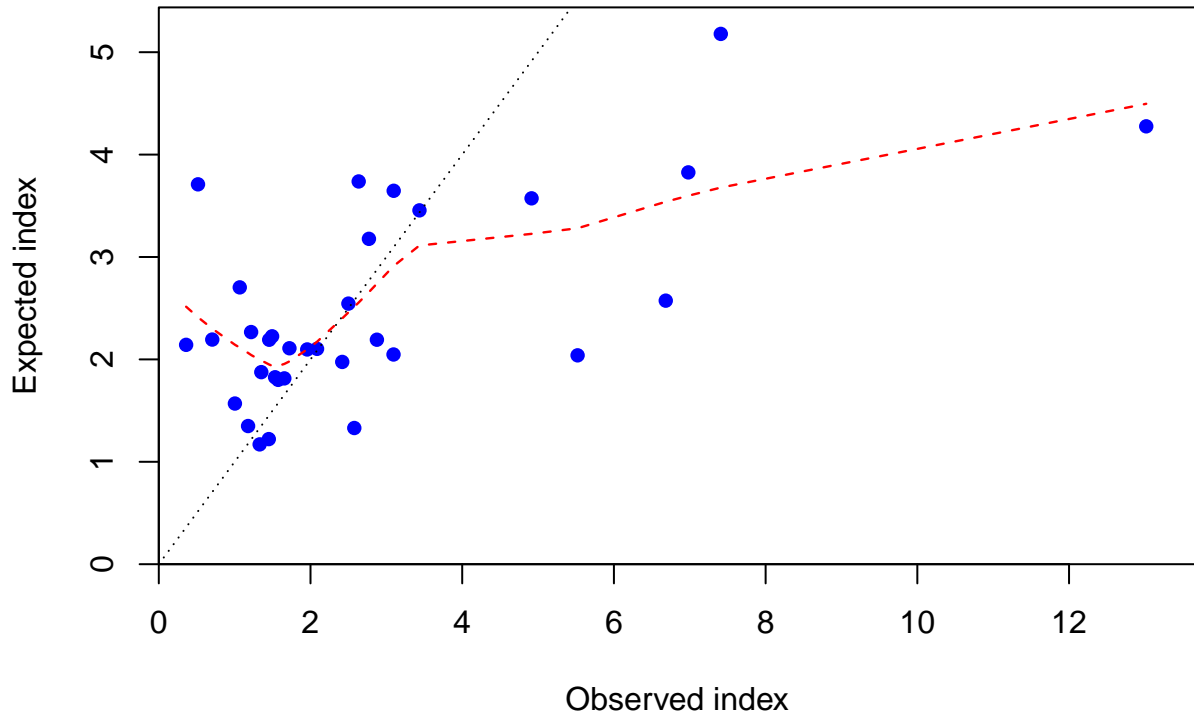


Index

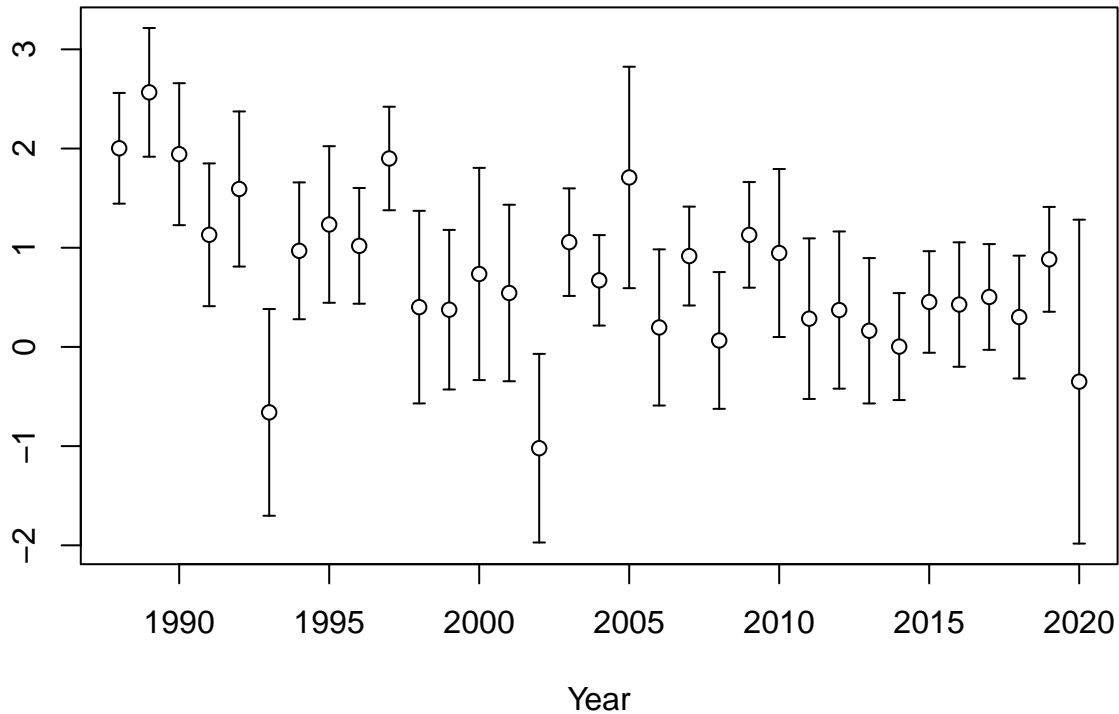


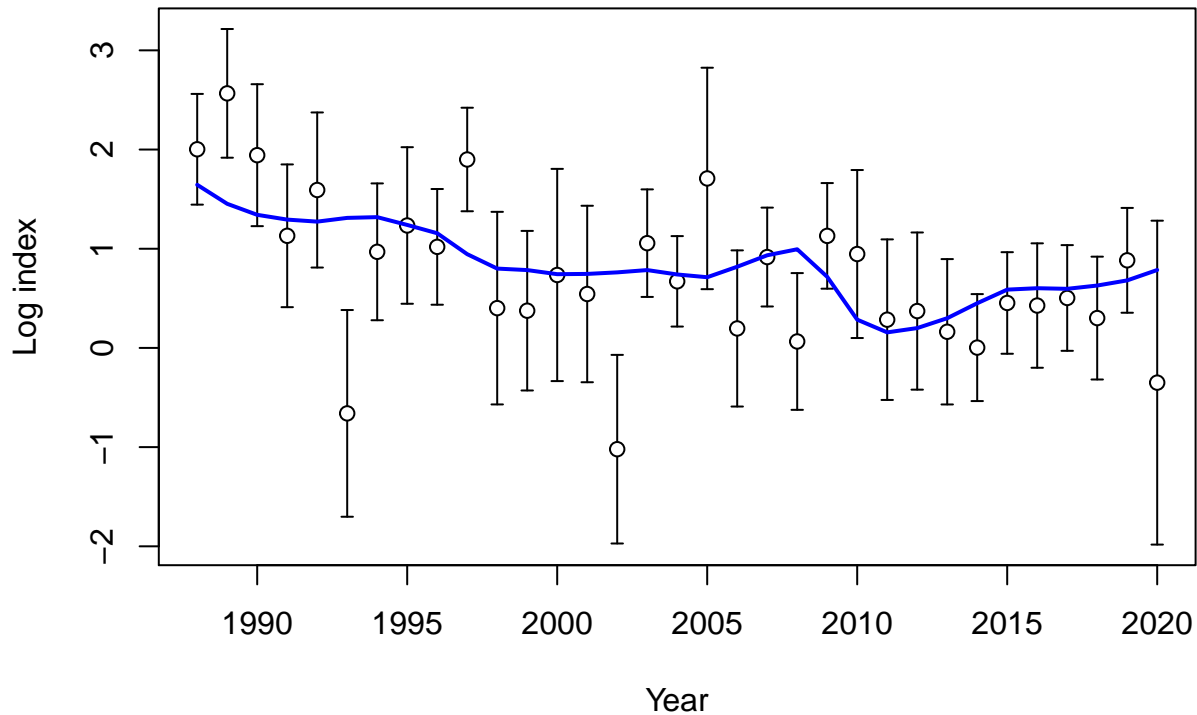
Index

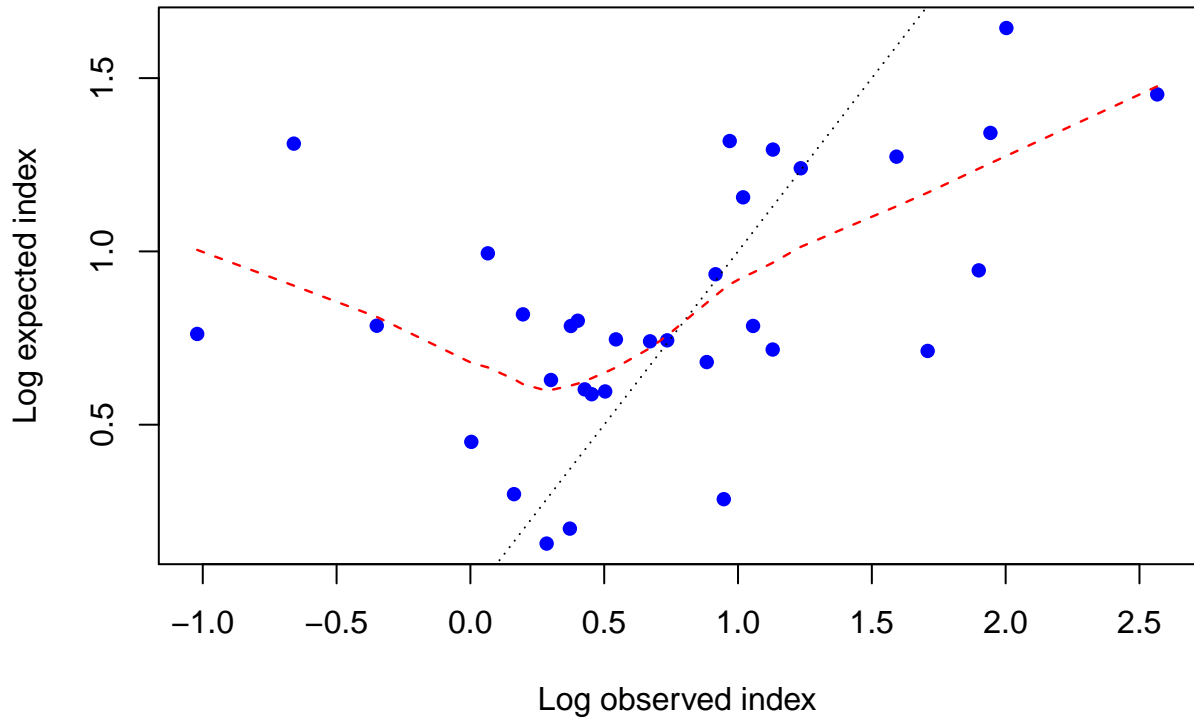


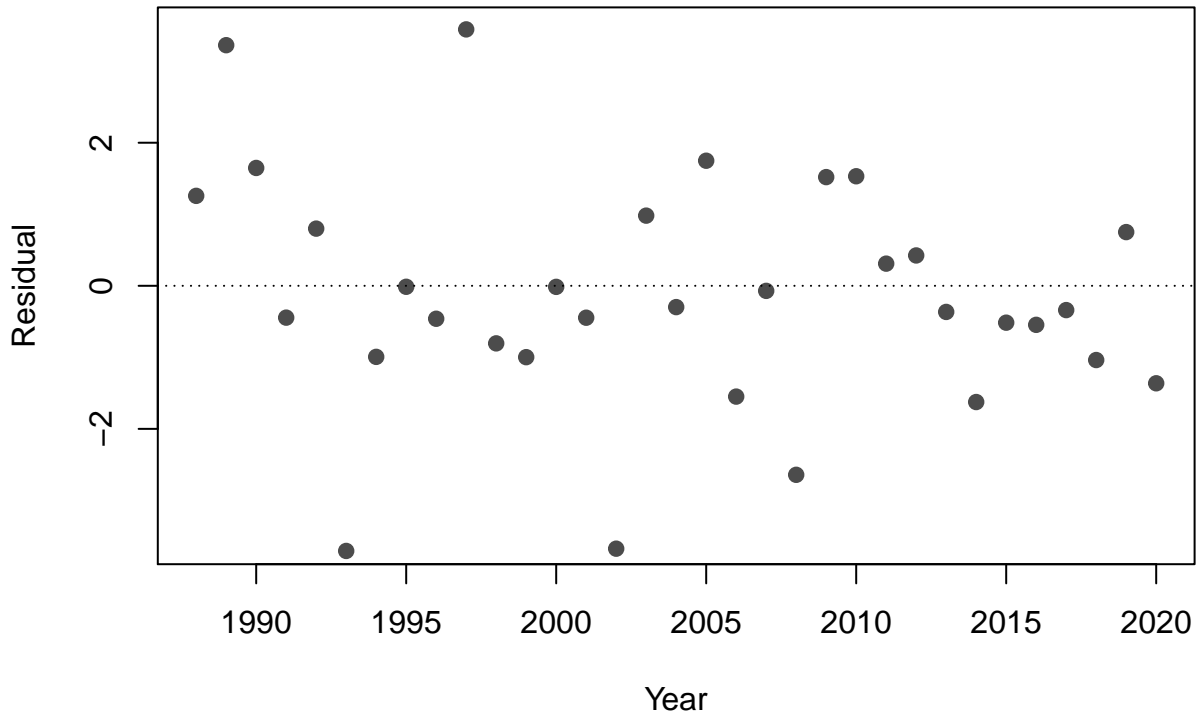


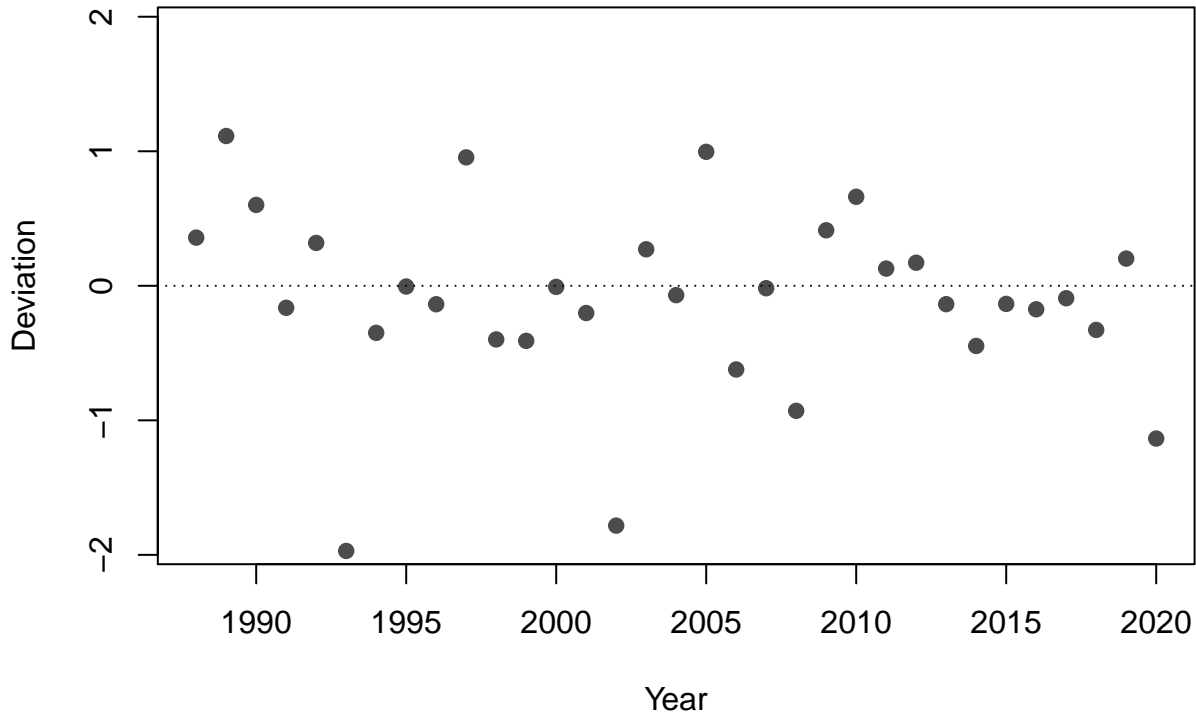
Log index

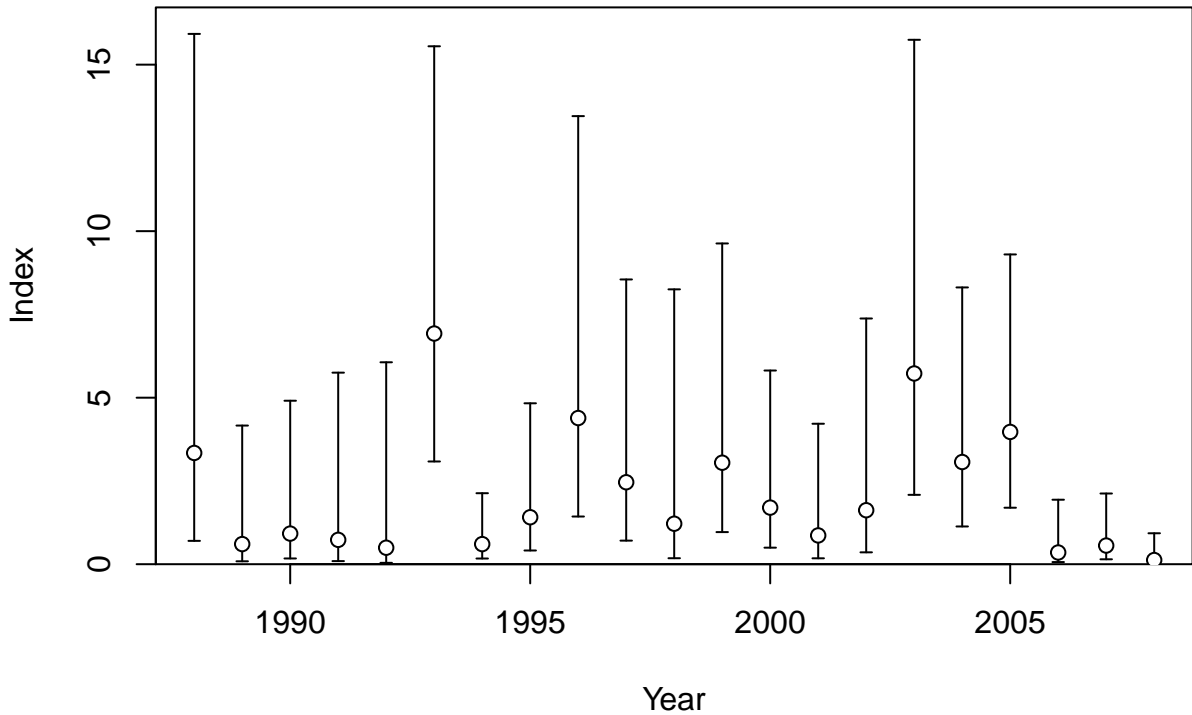


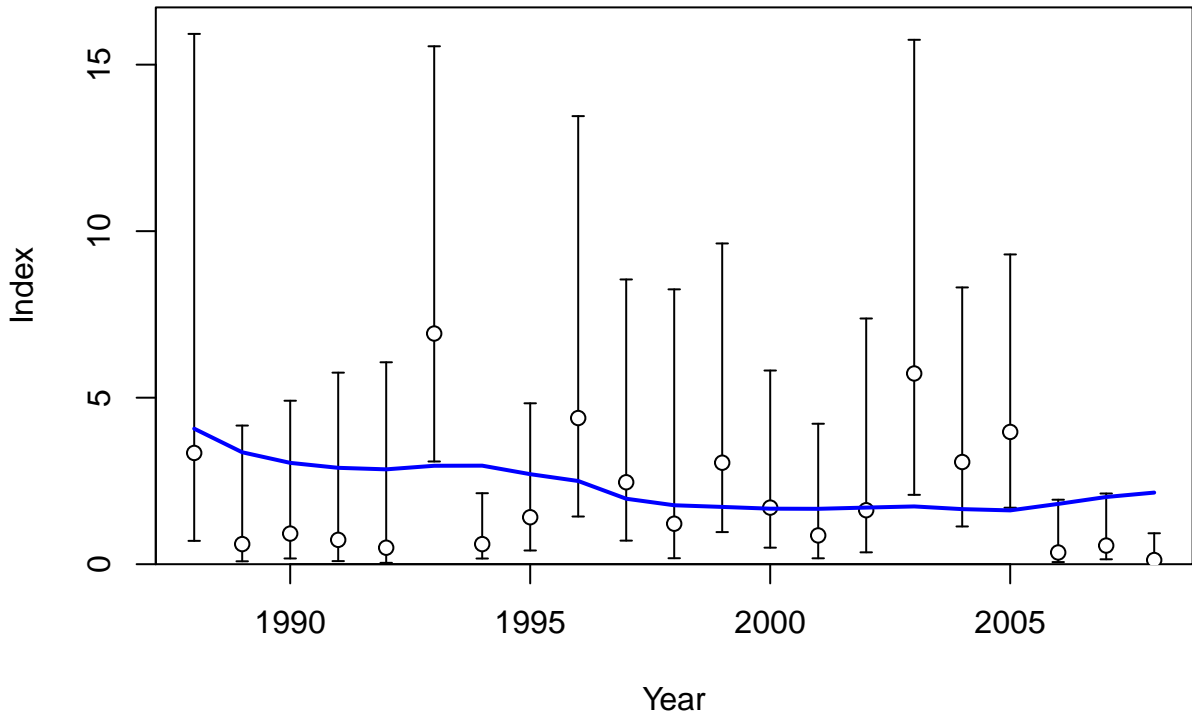


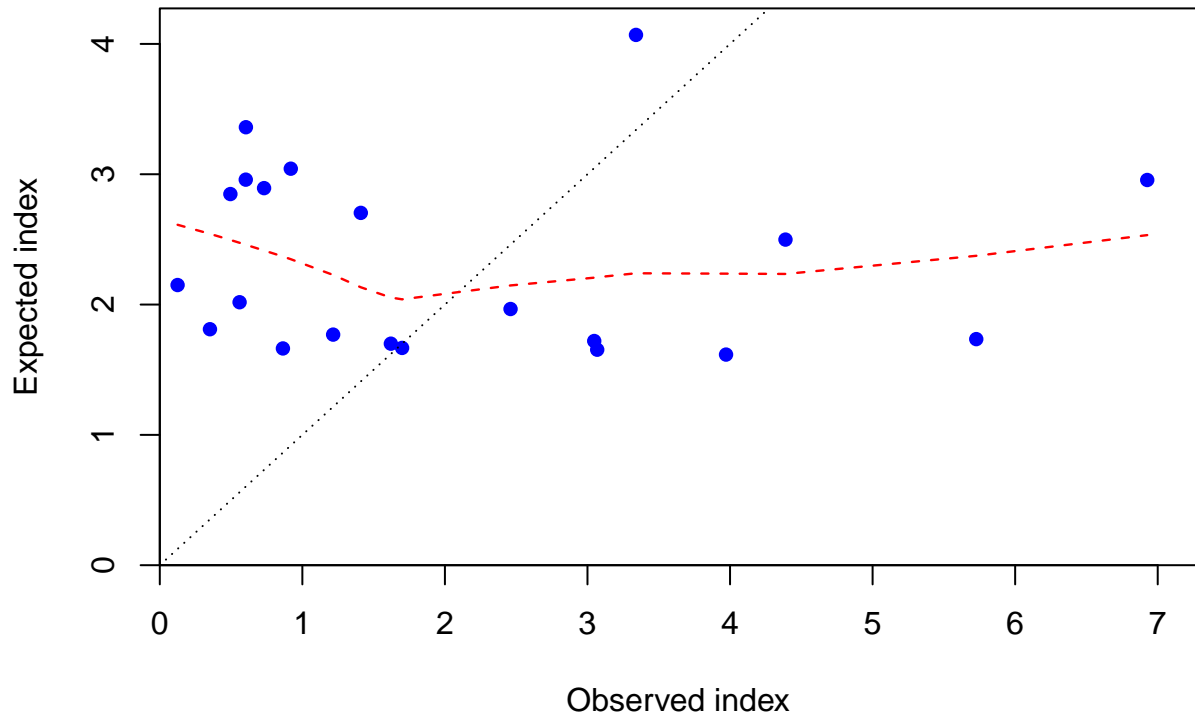




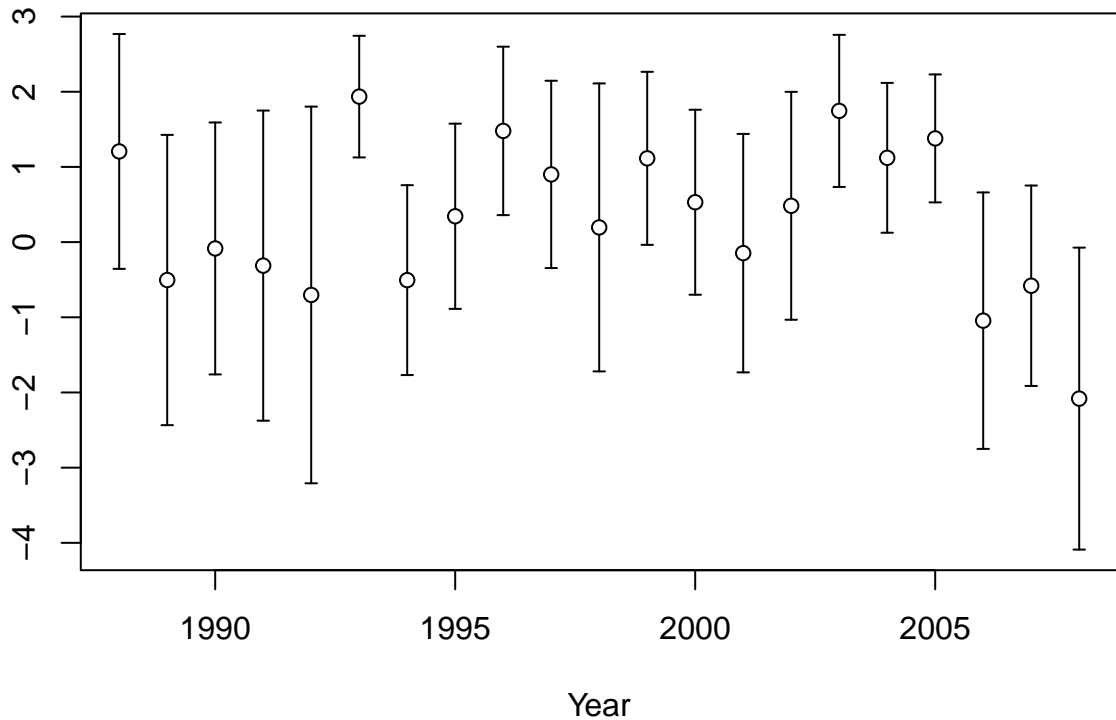




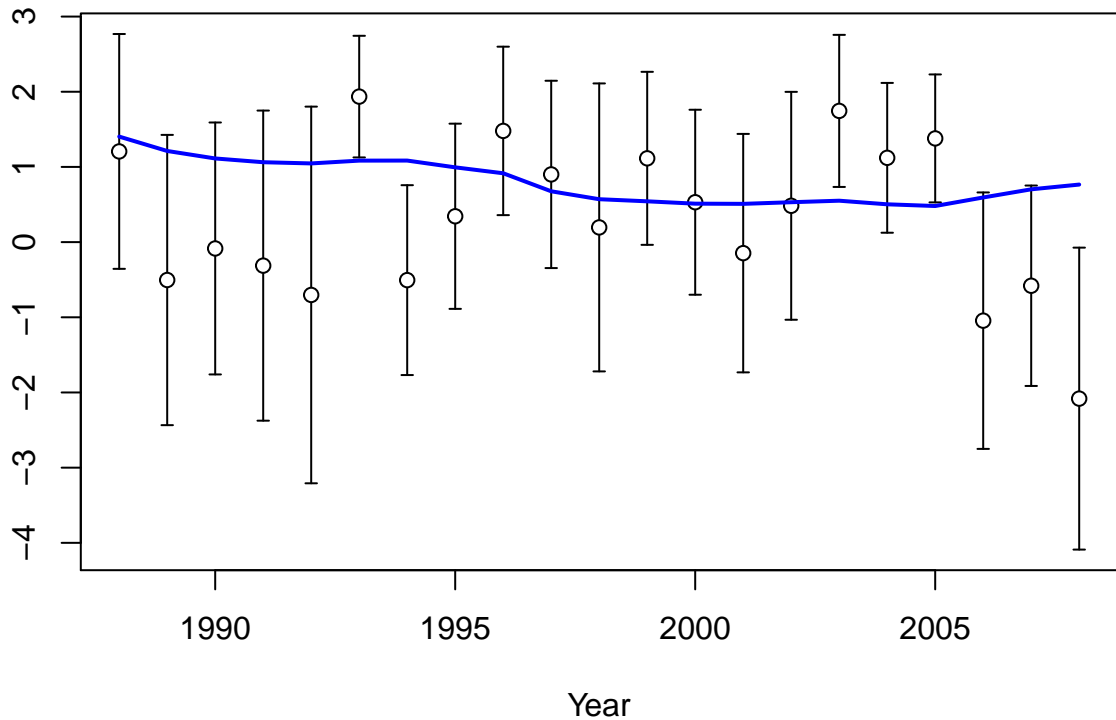


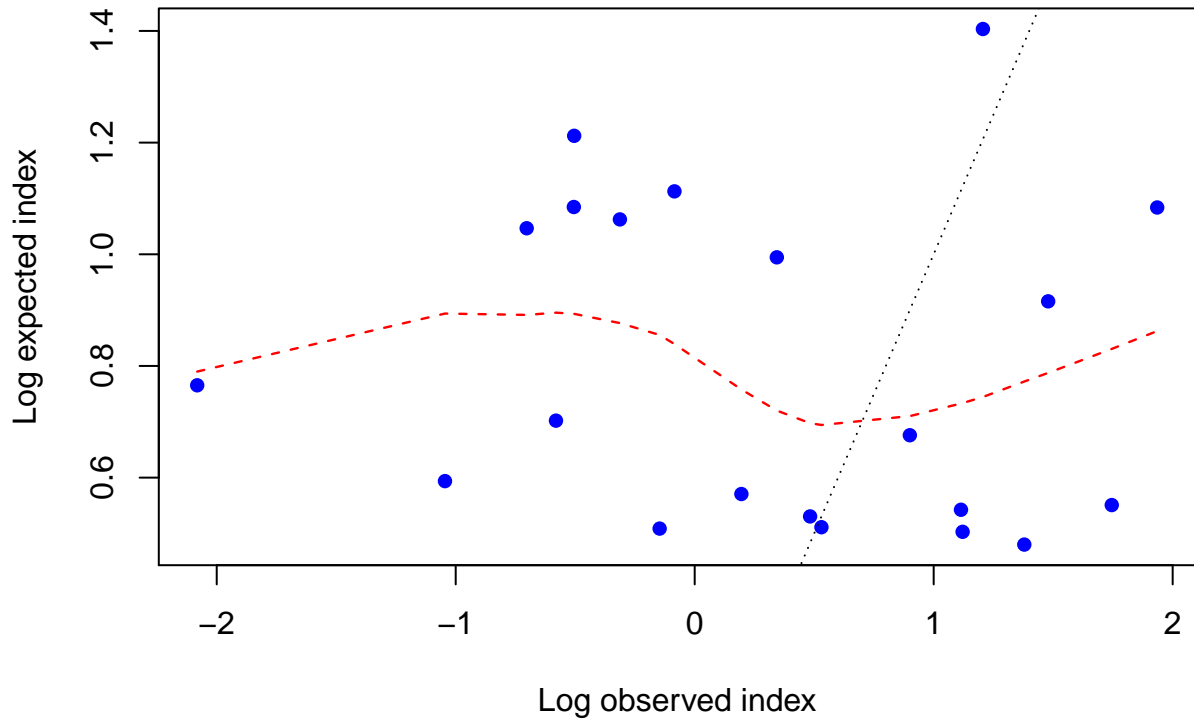


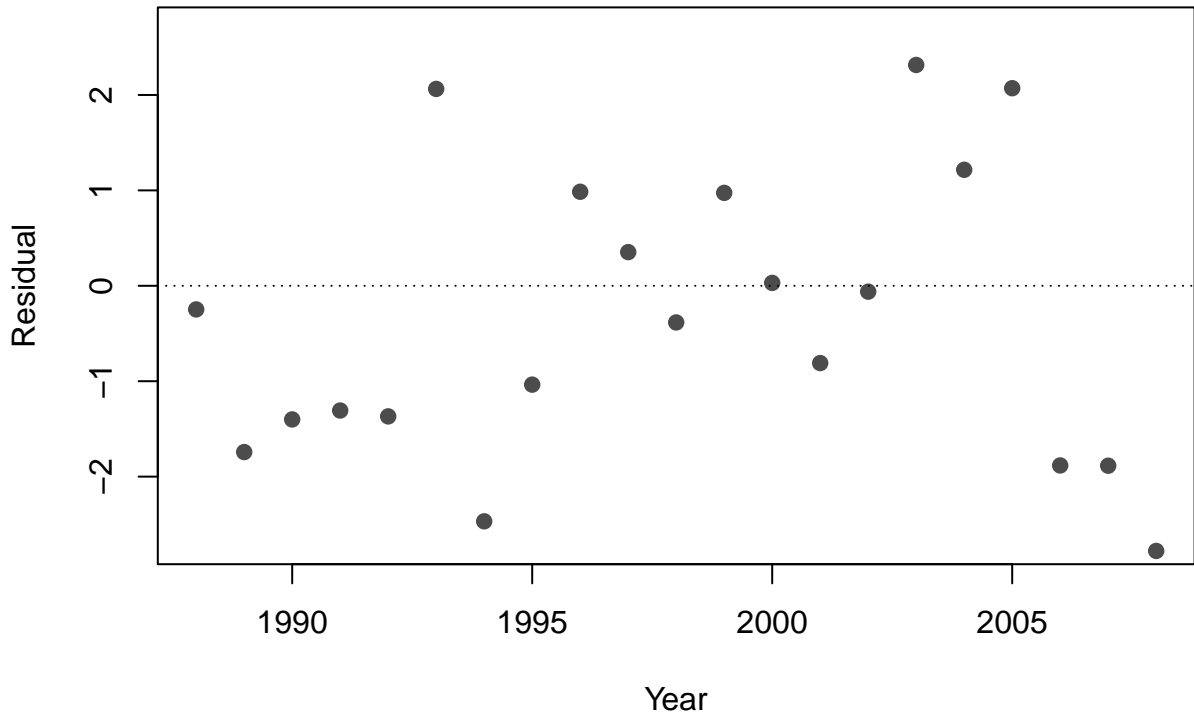
Log index

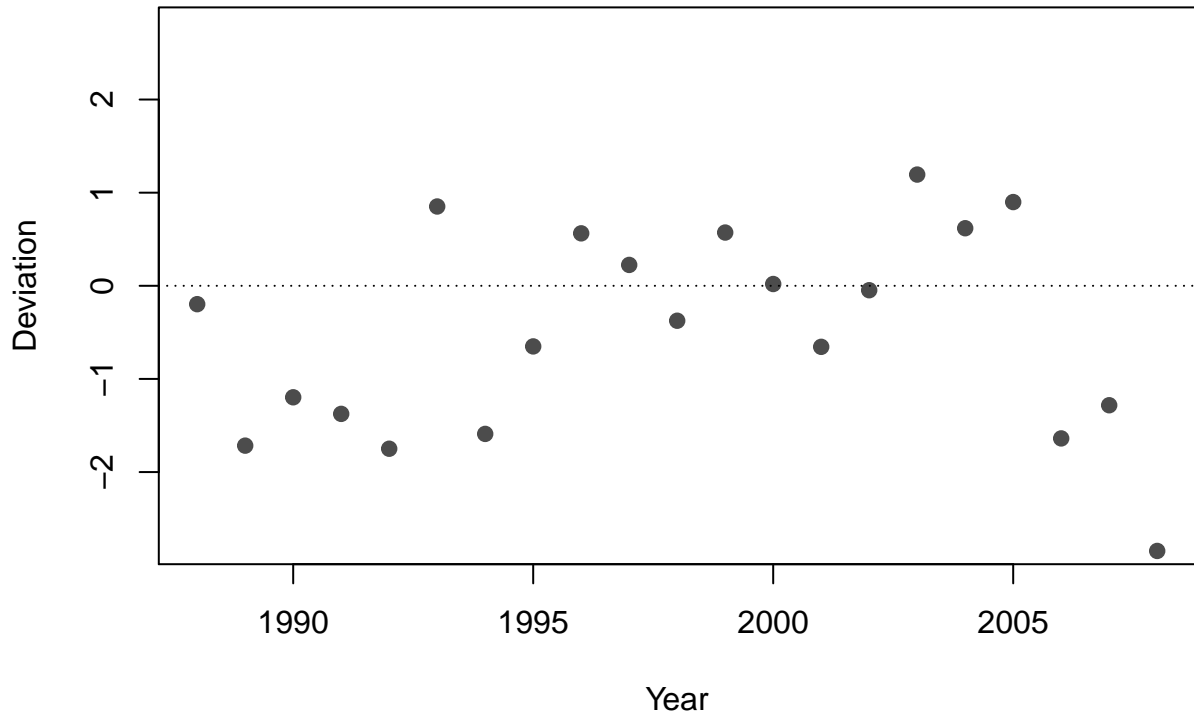


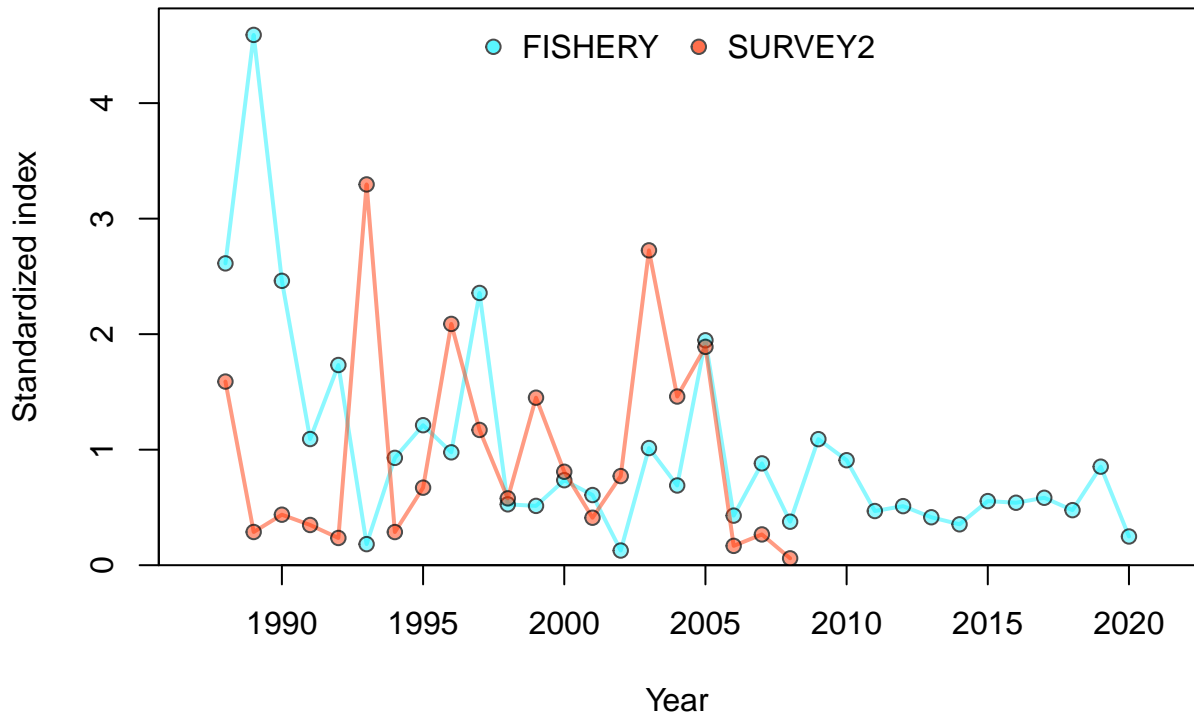
Log index

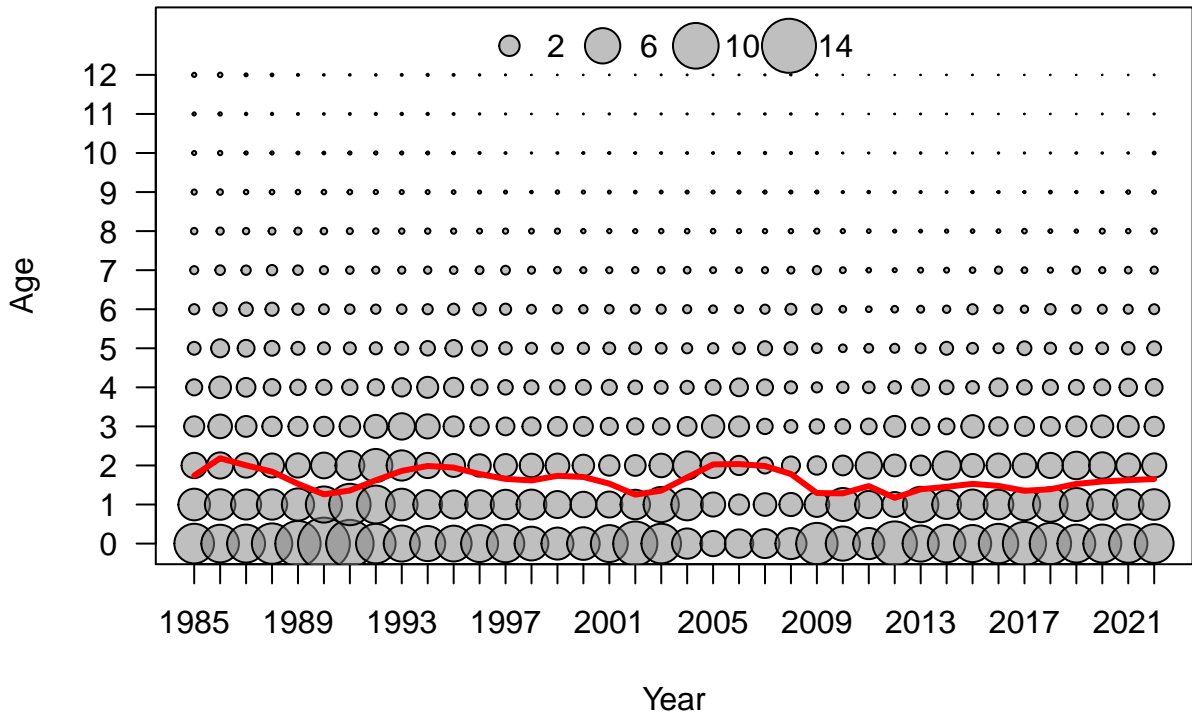




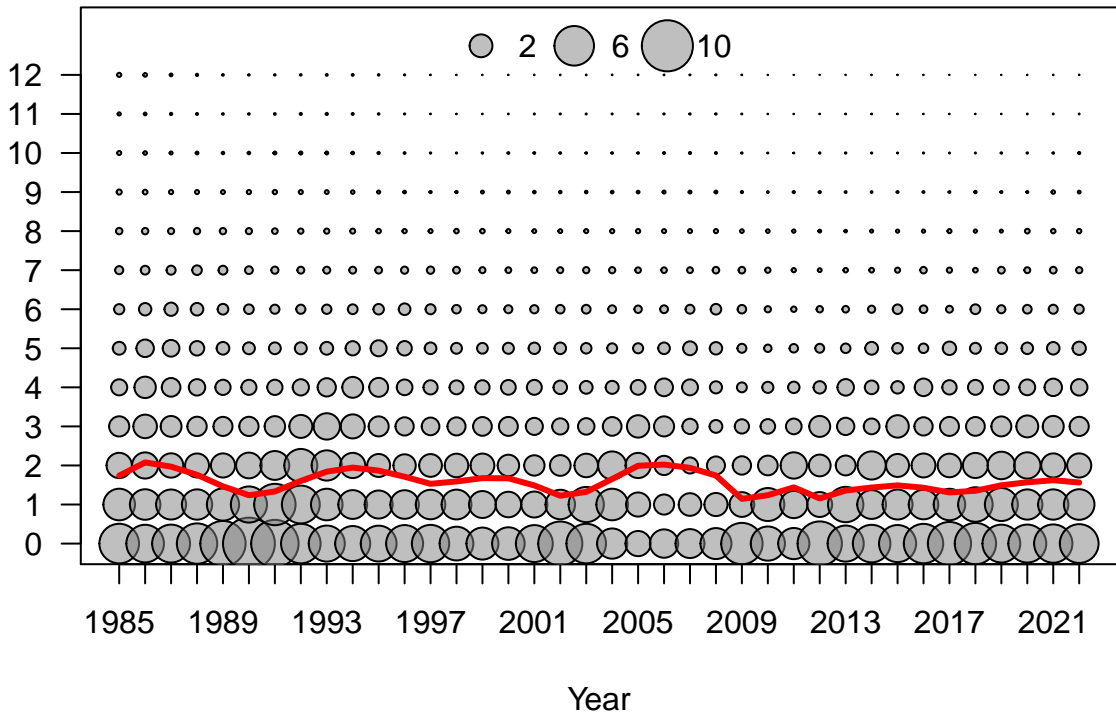


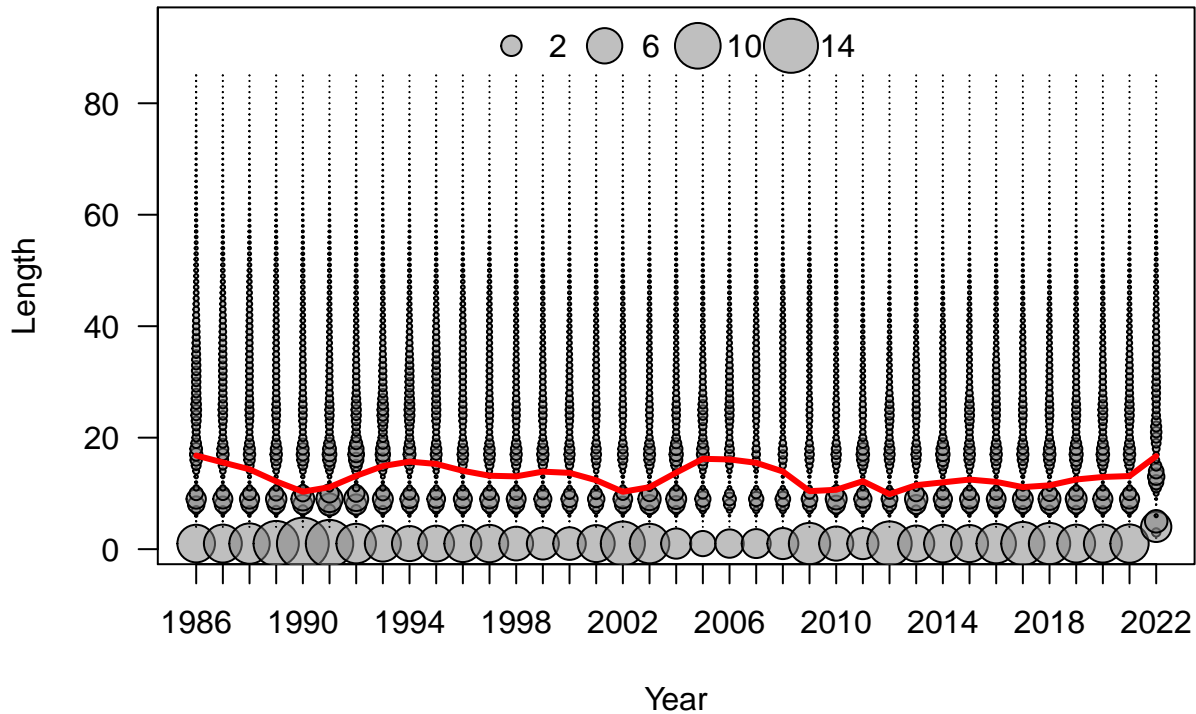


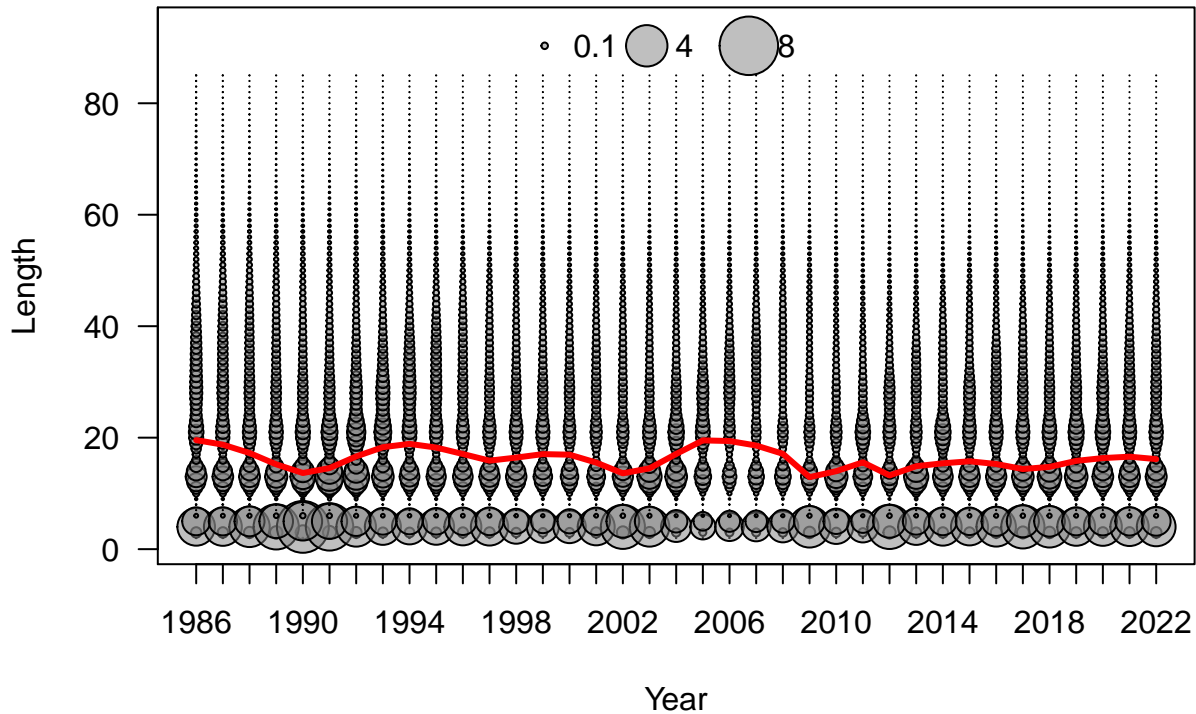


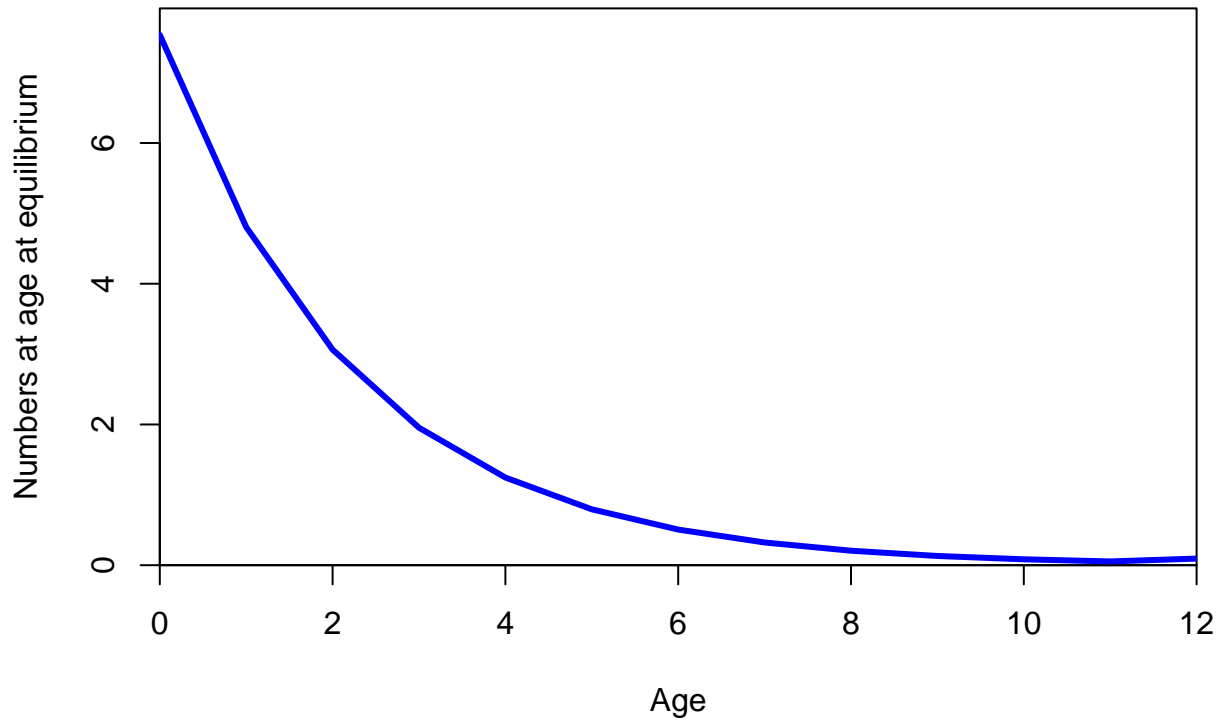


Age



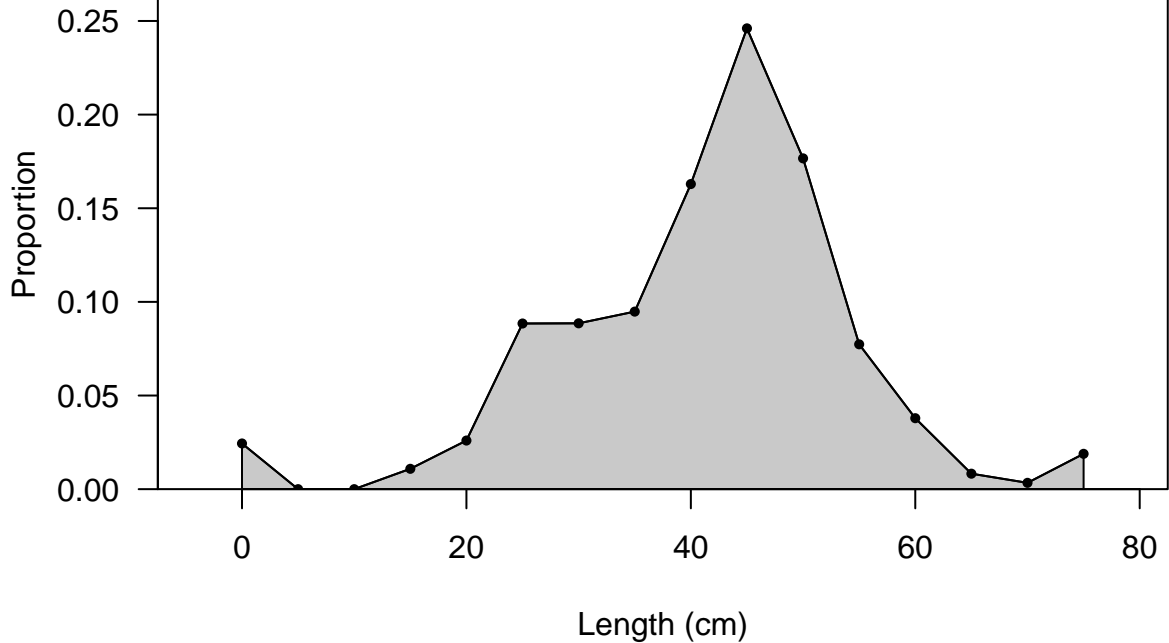


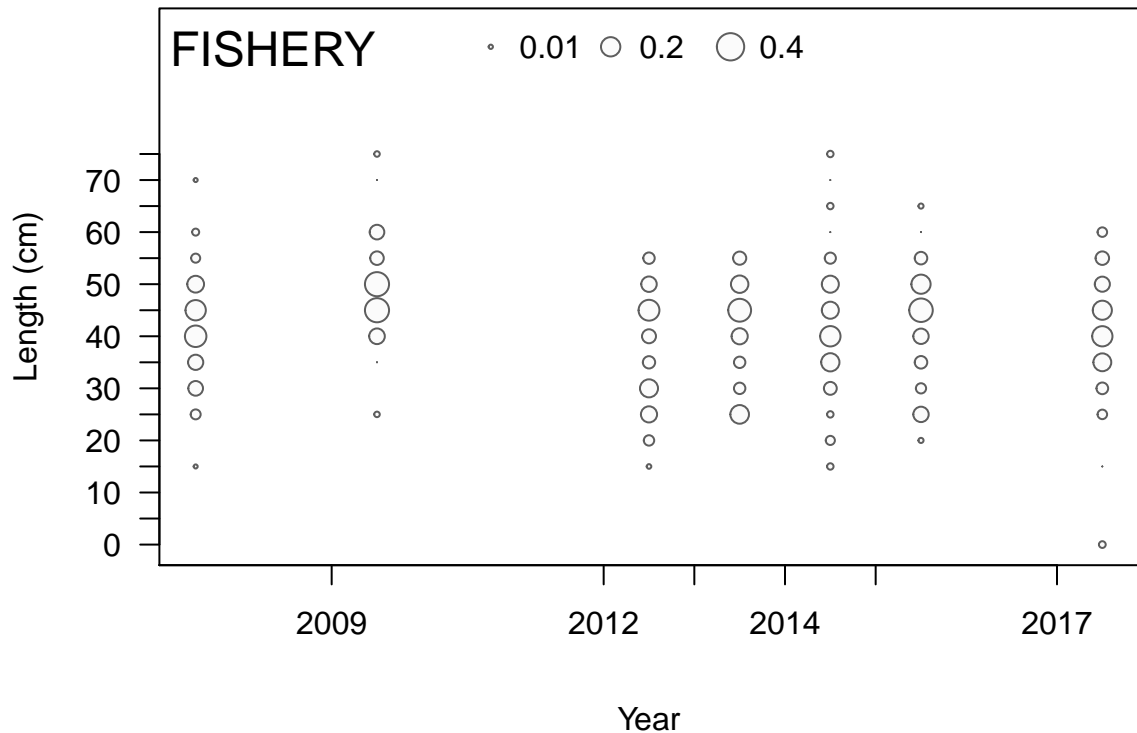




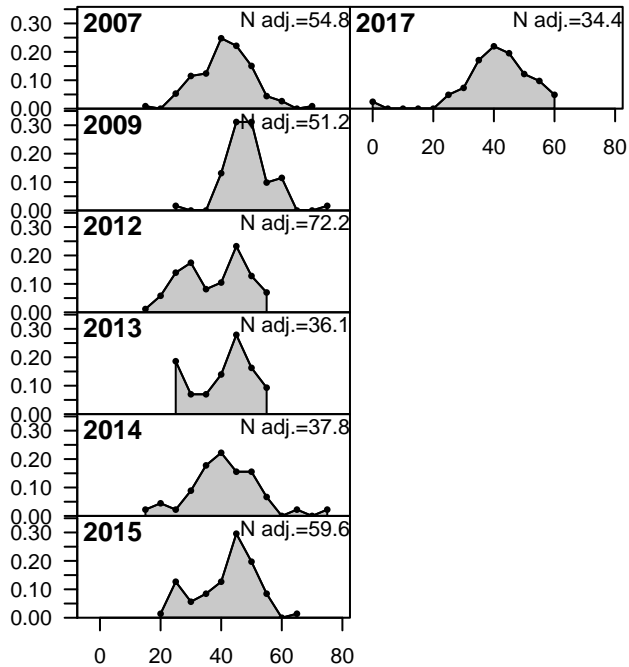
FISHERY

Sum of N adj.=346.3

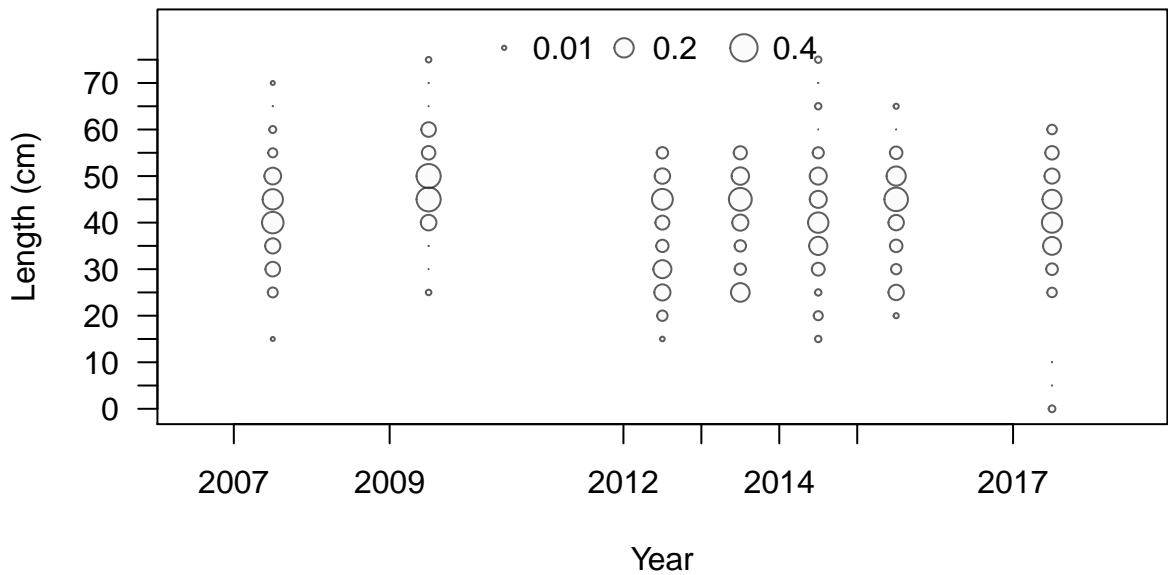




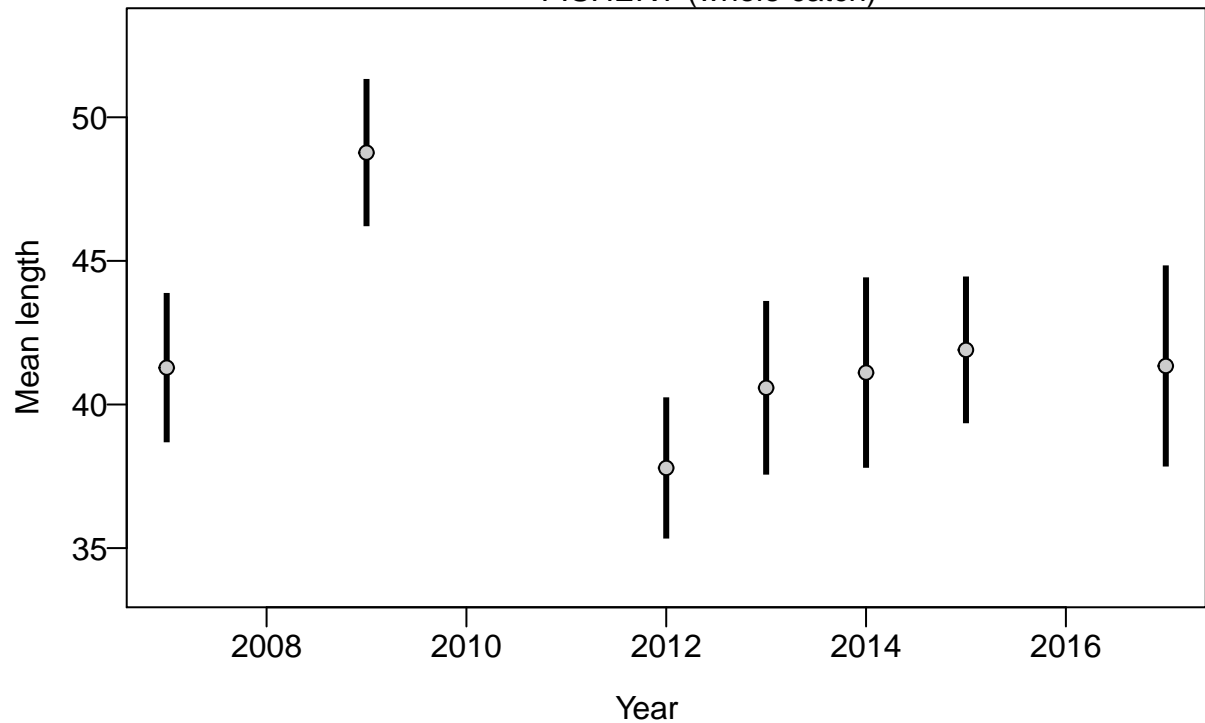
Proportion



Length (cm)

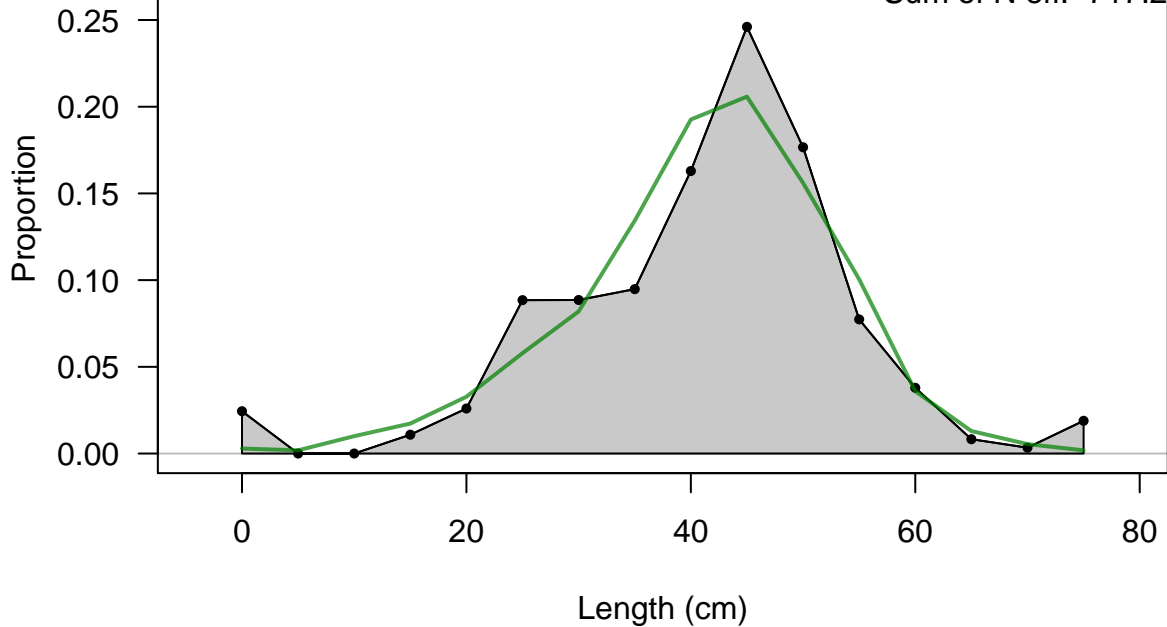


FISHERY (whole catch)



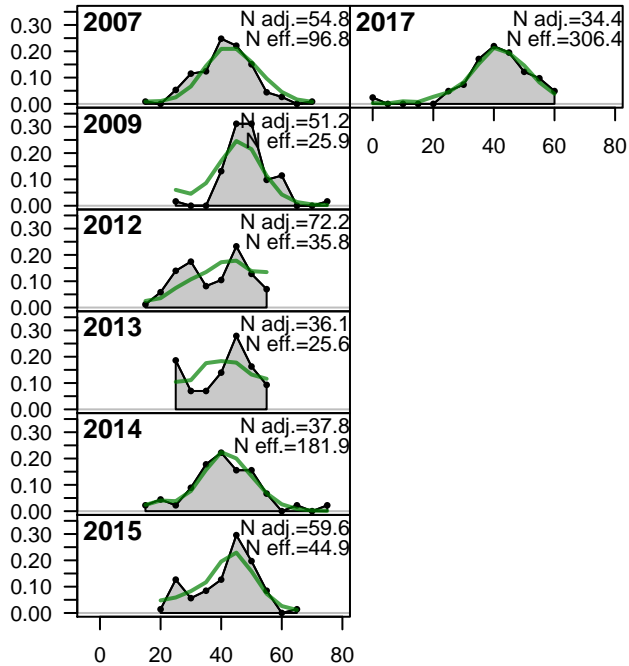
FISHERY

Sum of N adj.=346.3
Sum of N eff.=717.2

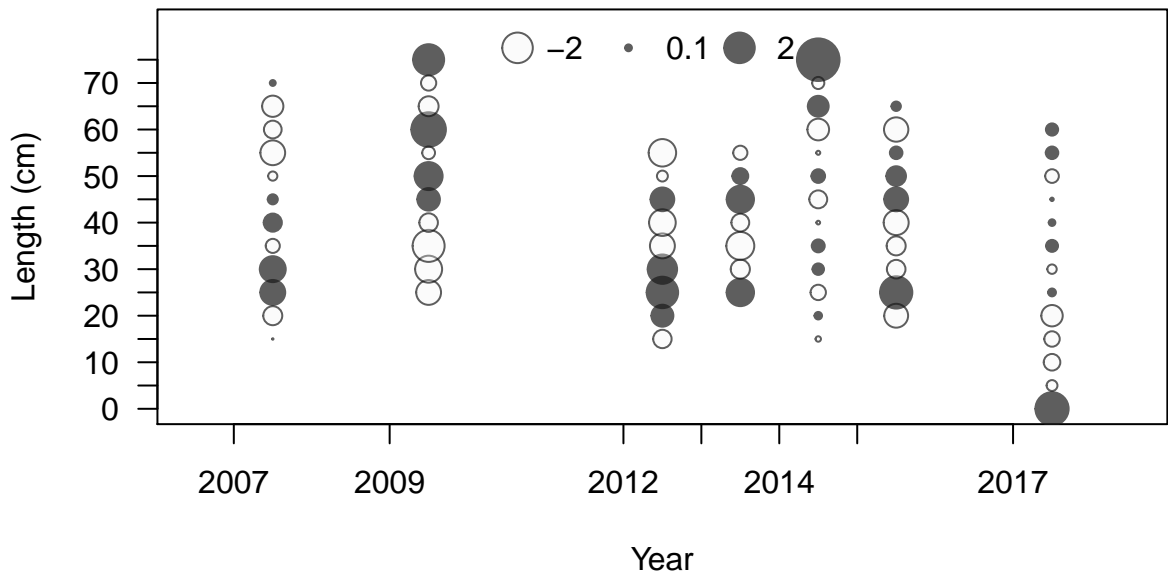


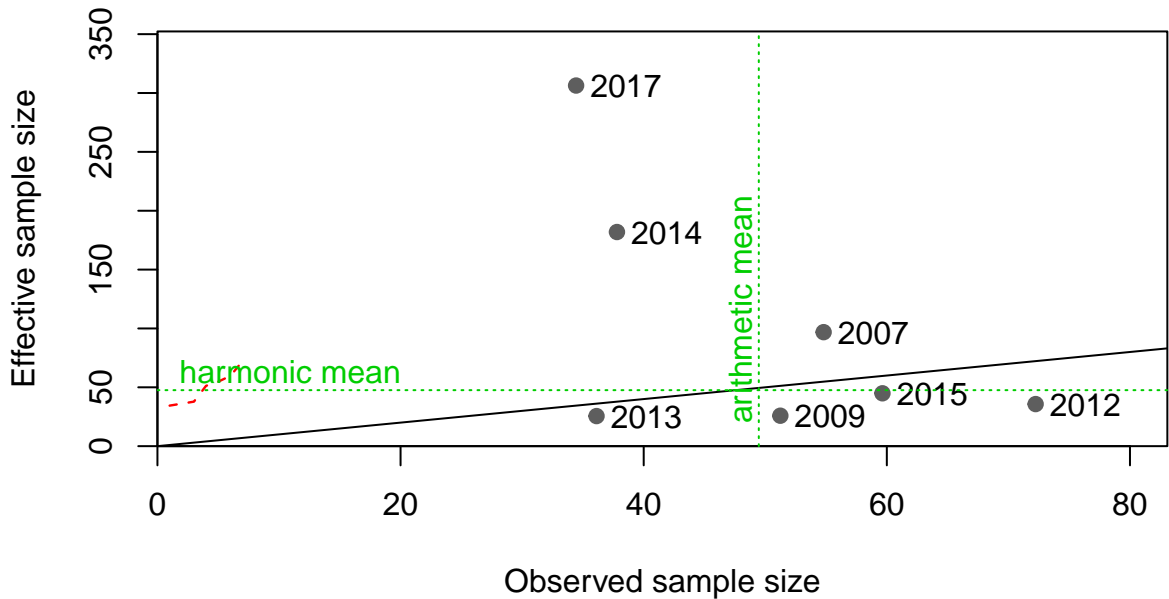


Proportion

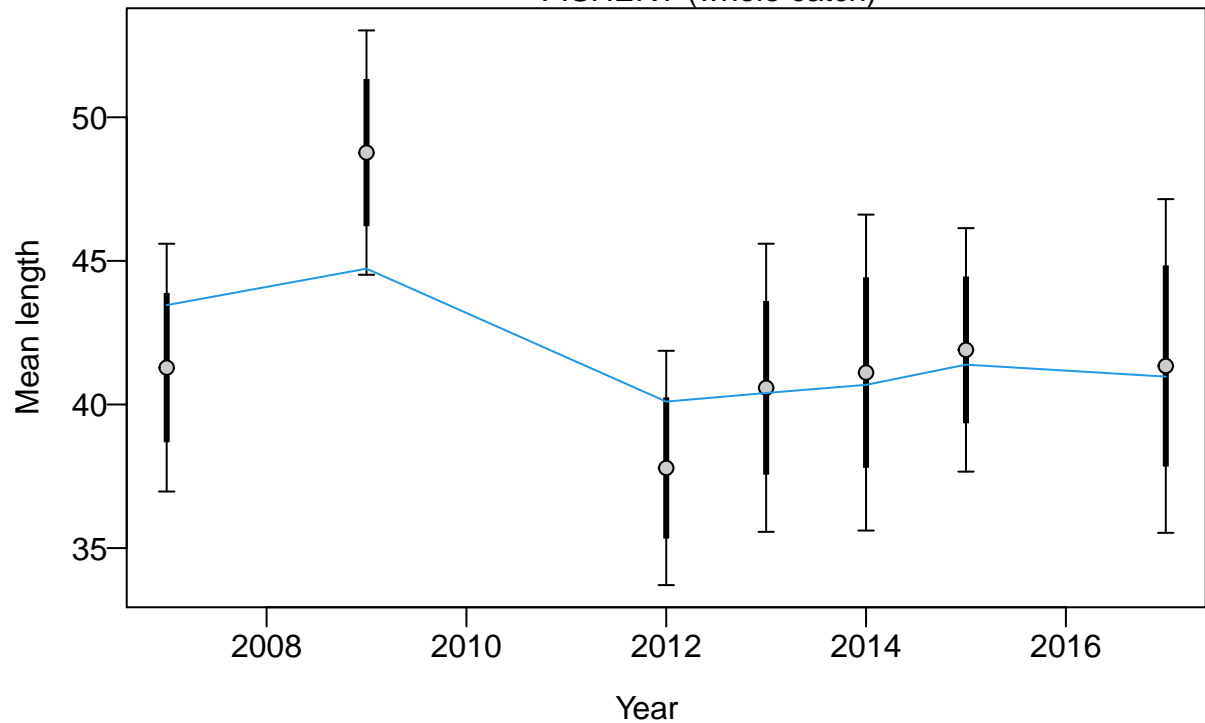


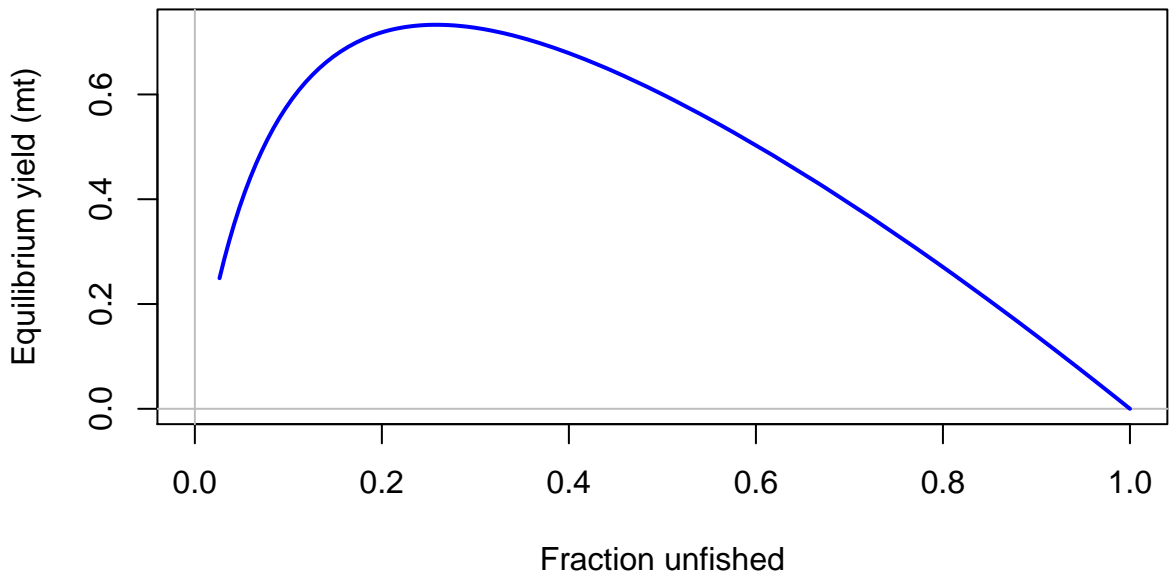
Length (cm)

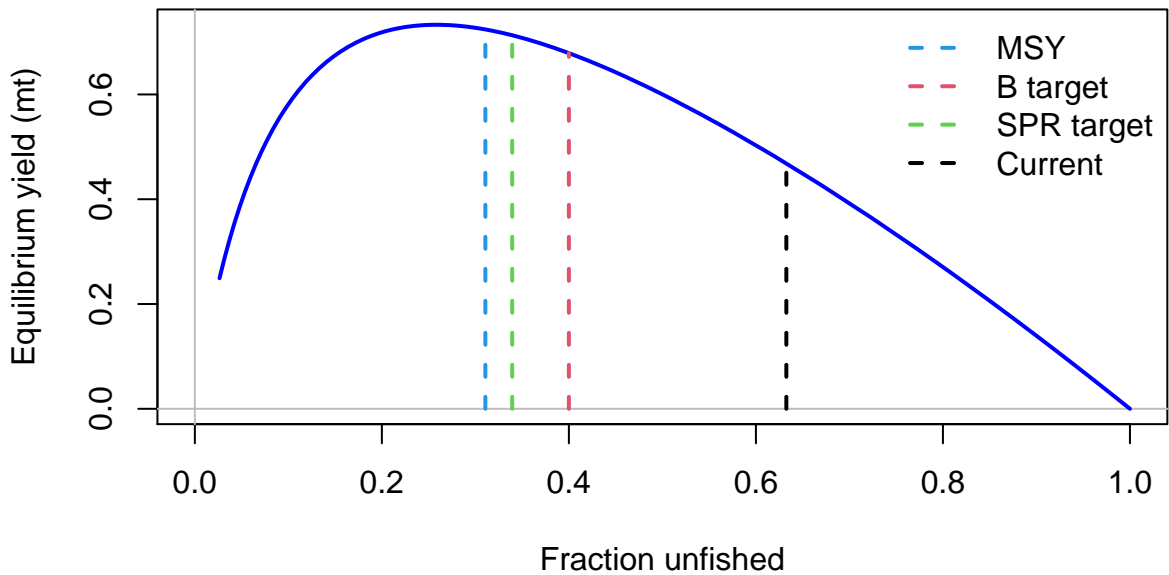


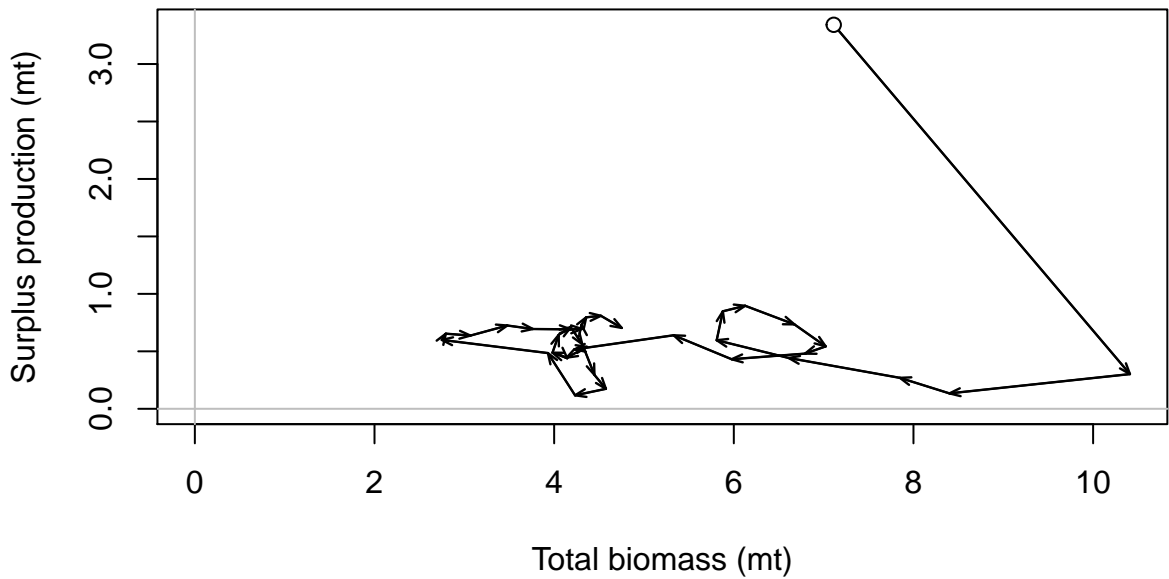


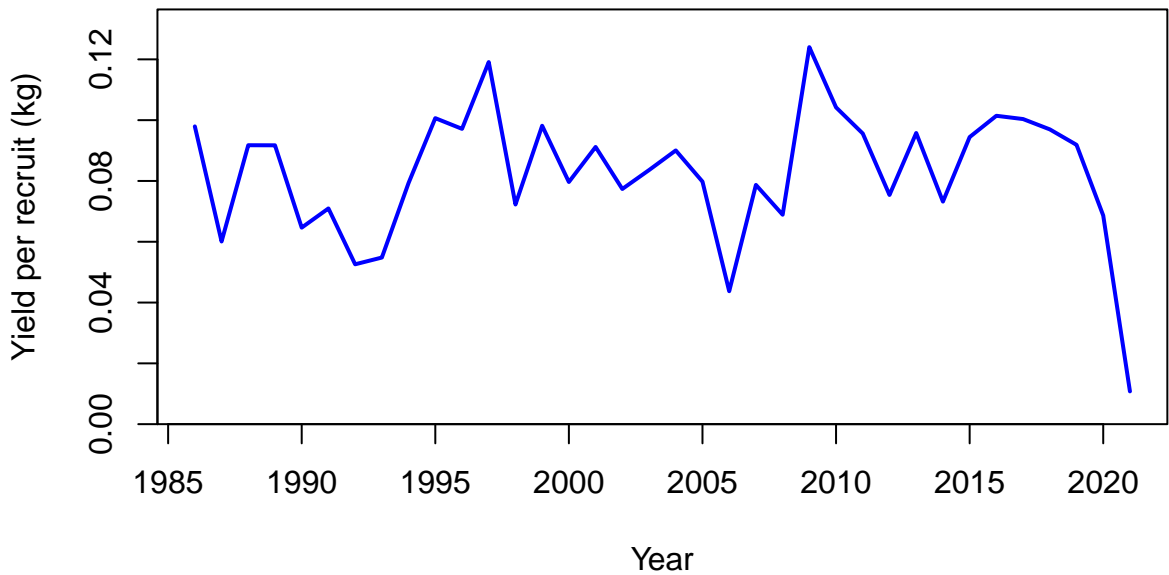
FISHERY (whole catch)

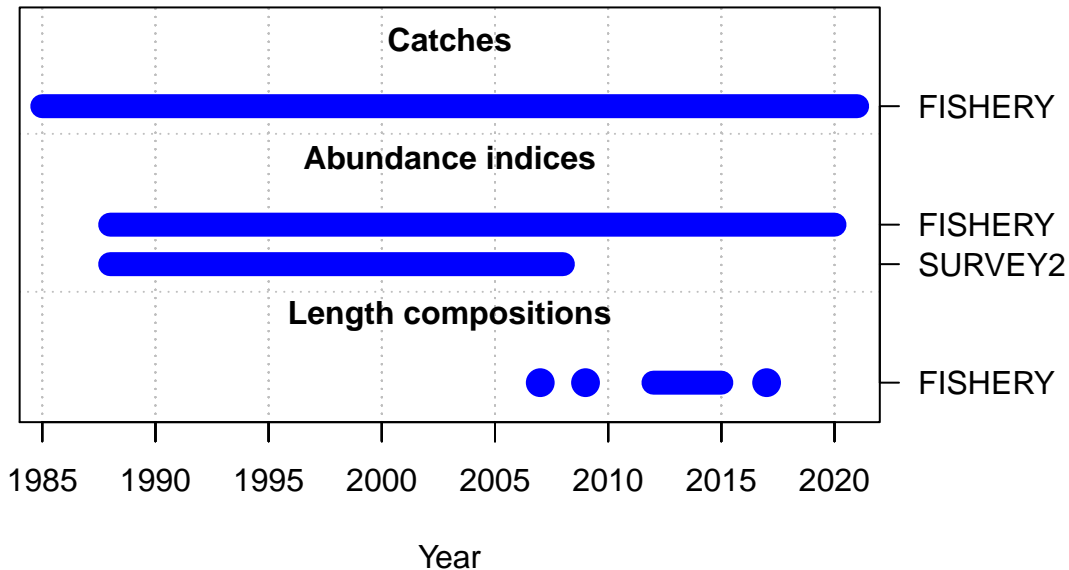


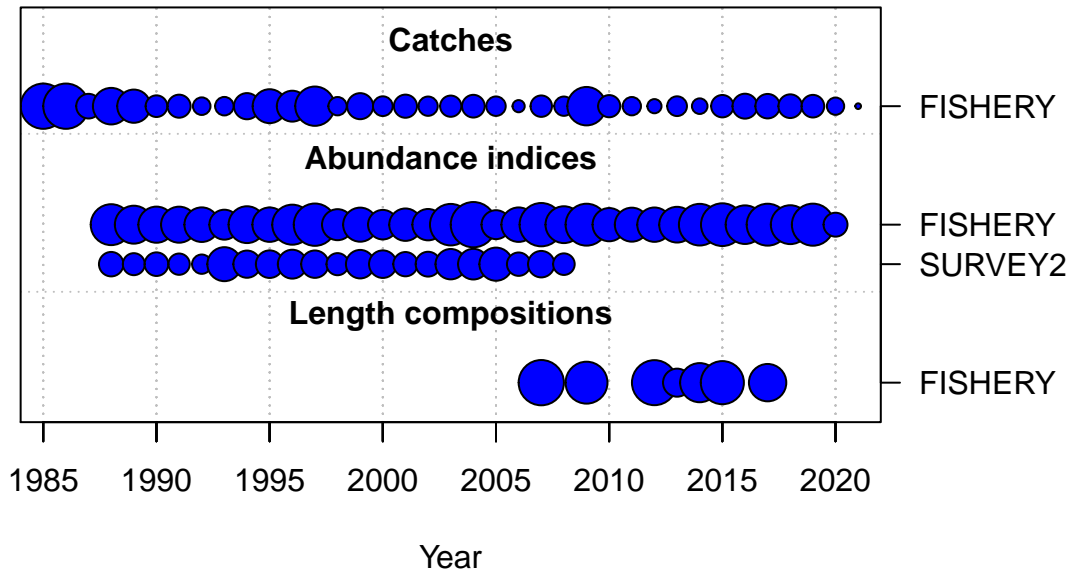




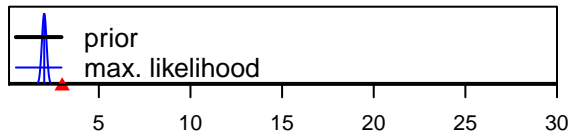




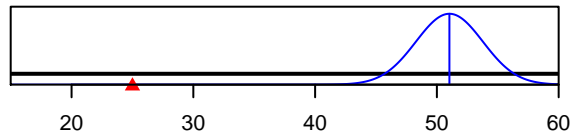




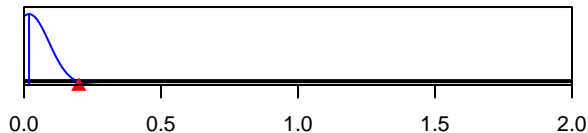
SR_LN(R0)



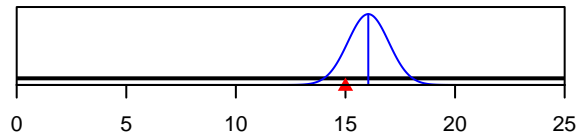
Size_inflection_FISHERY(1)



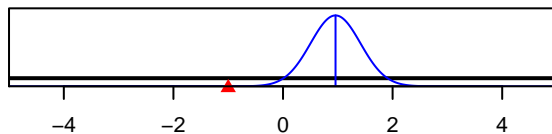
InitF_seas_1_flt_1FISHERY



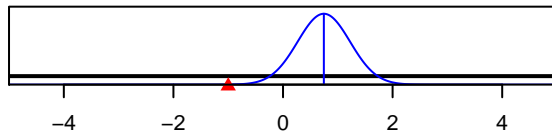
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value