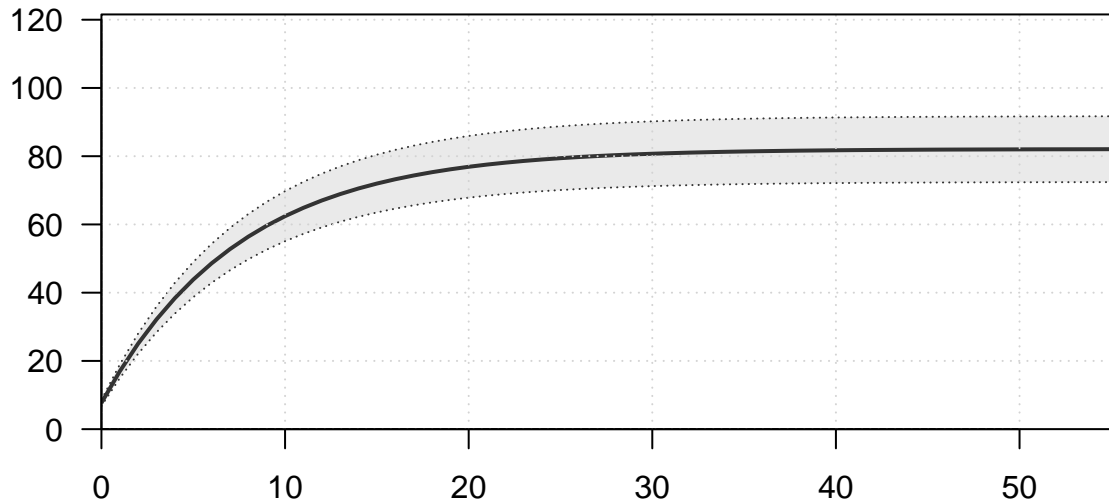
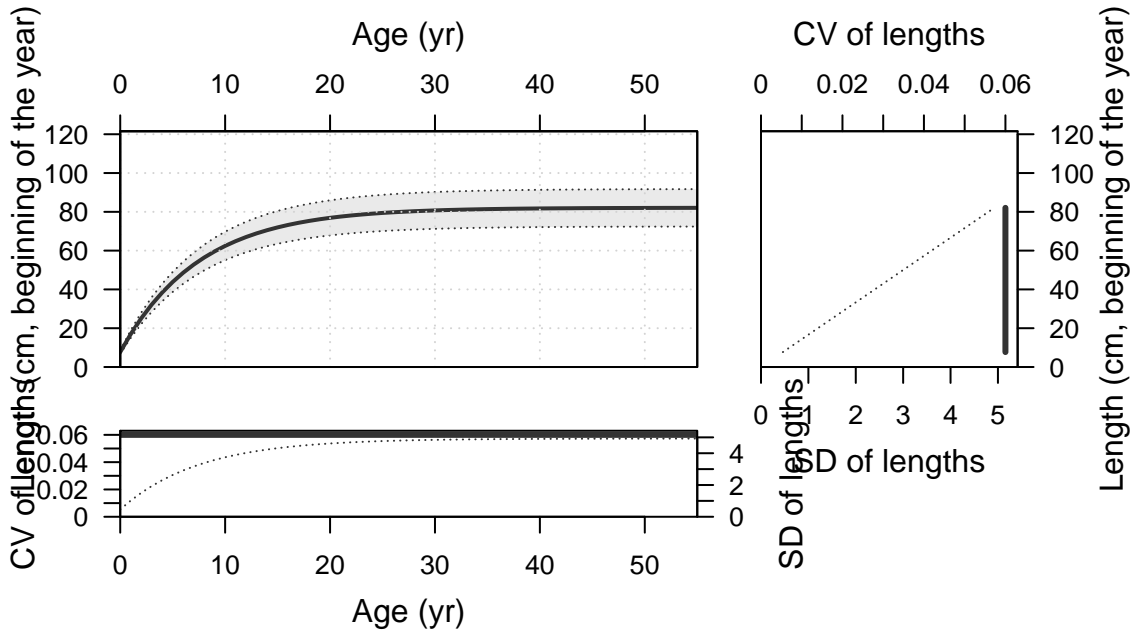


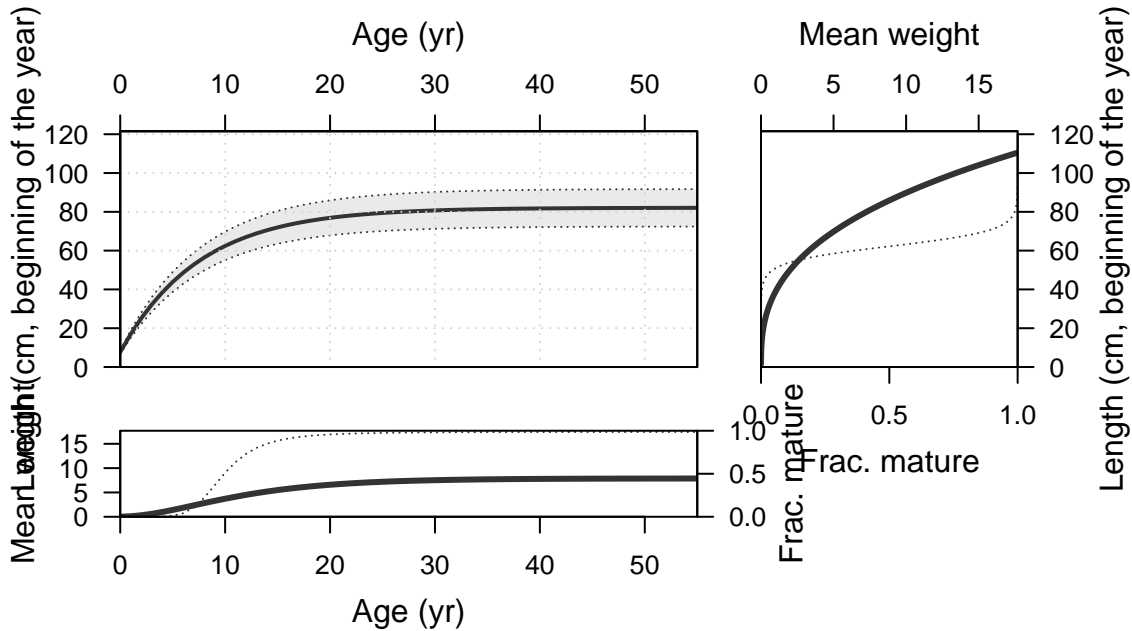
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Mon Jul 18 13:17:01 2022
Data_File: data.ss
Control_File: control.ss

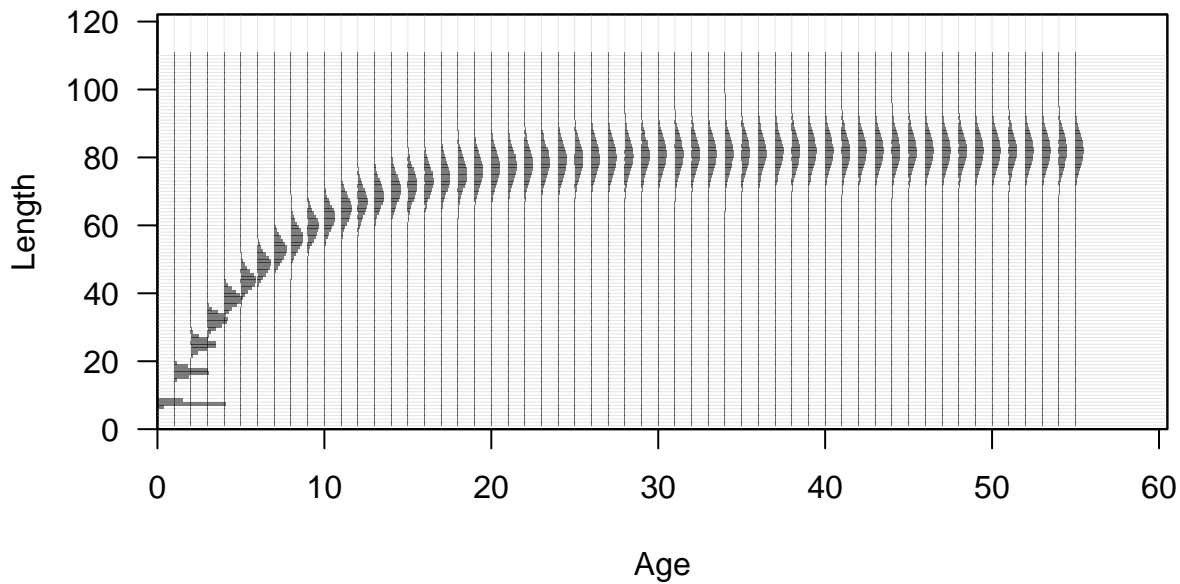
Length (cm, beginning of the year)

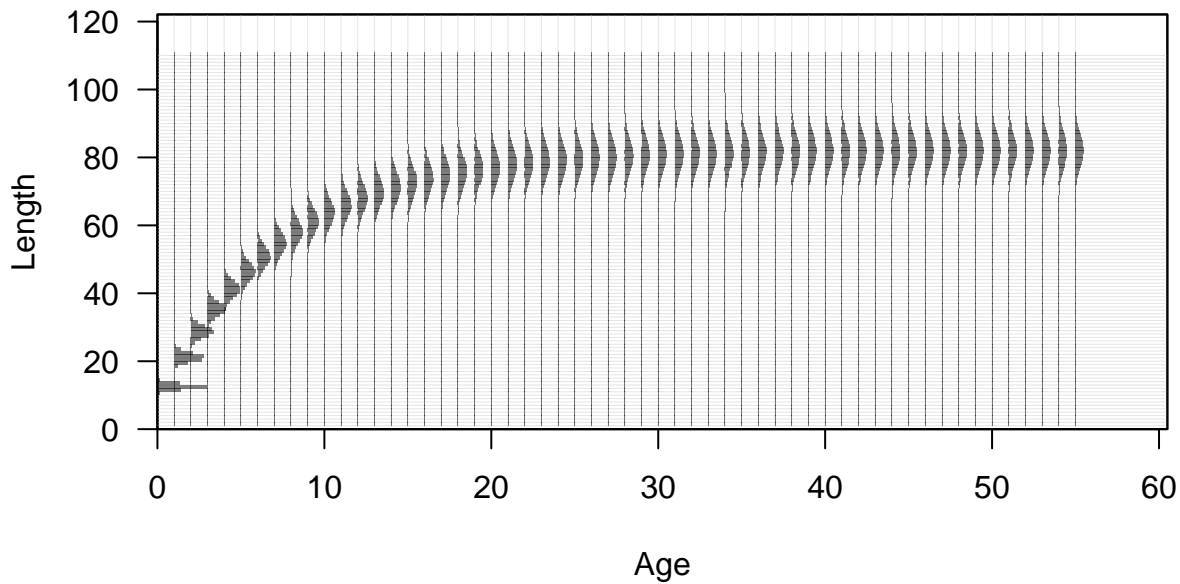


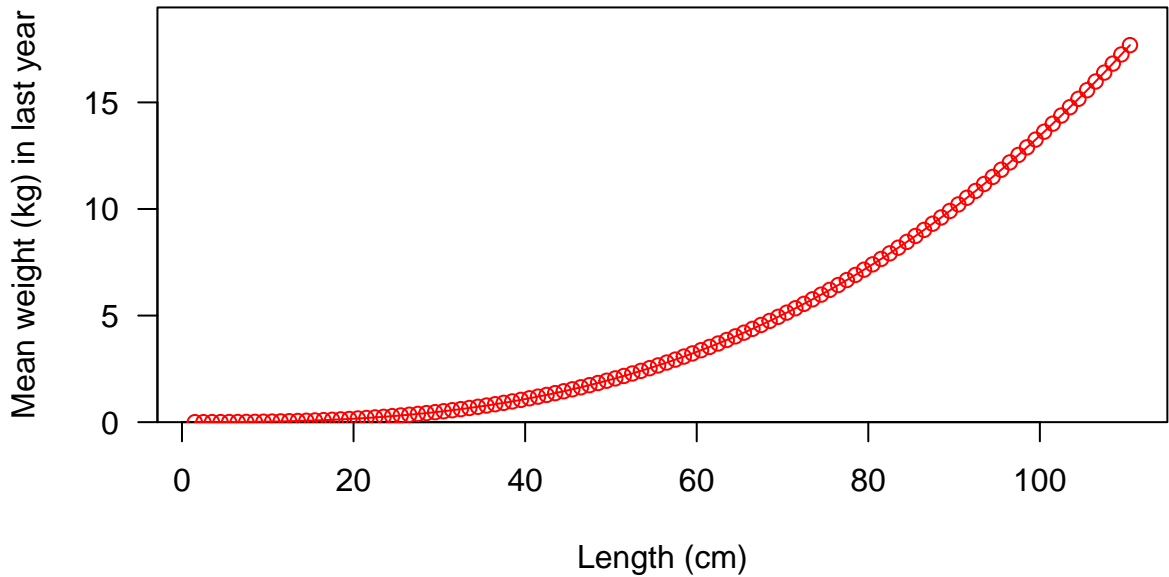
Age (yr)

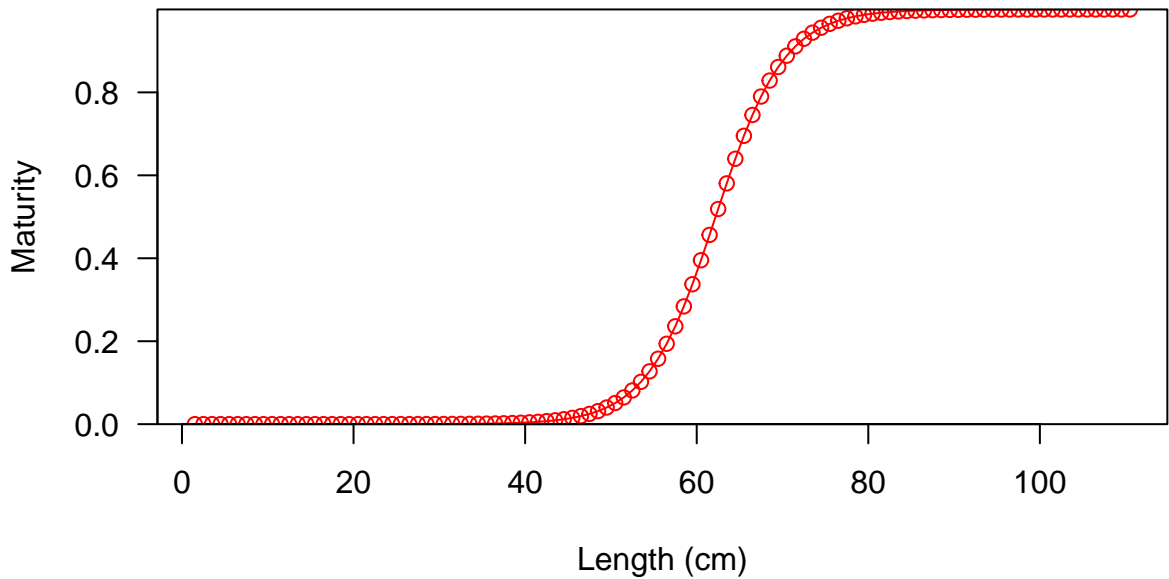


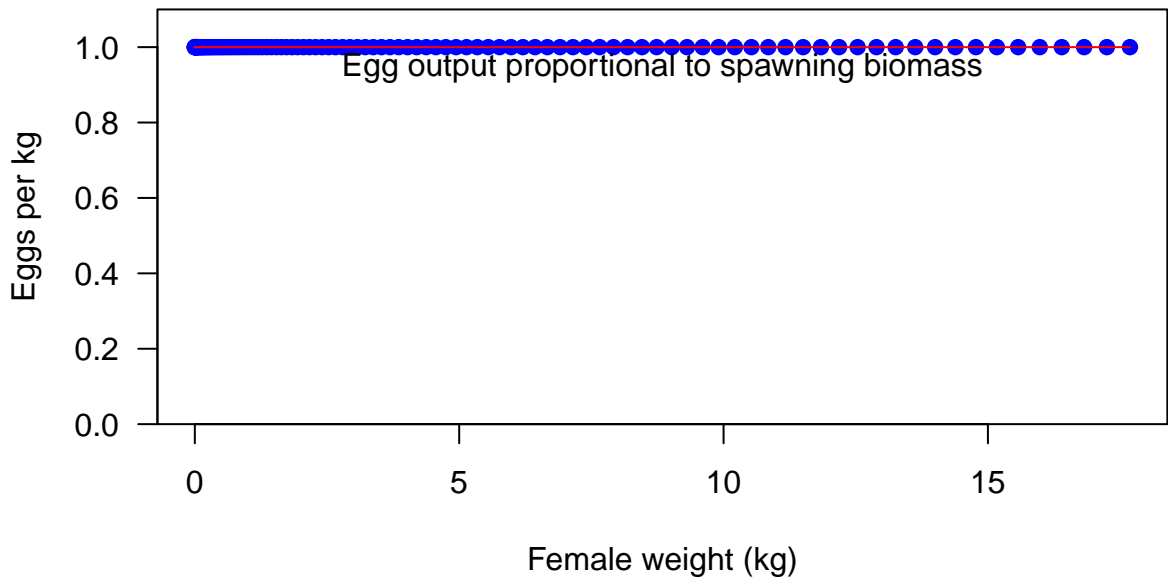




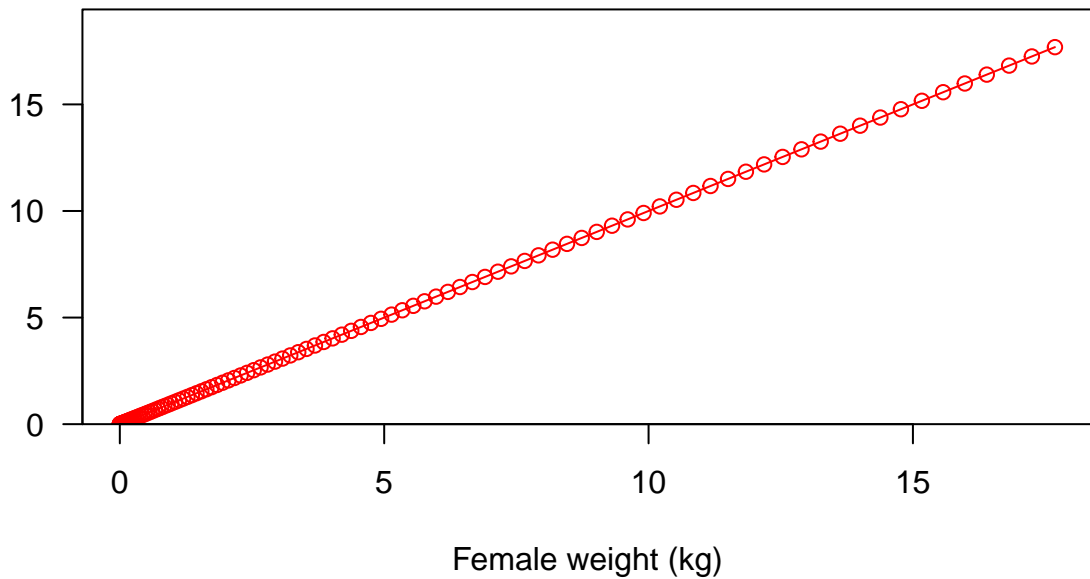




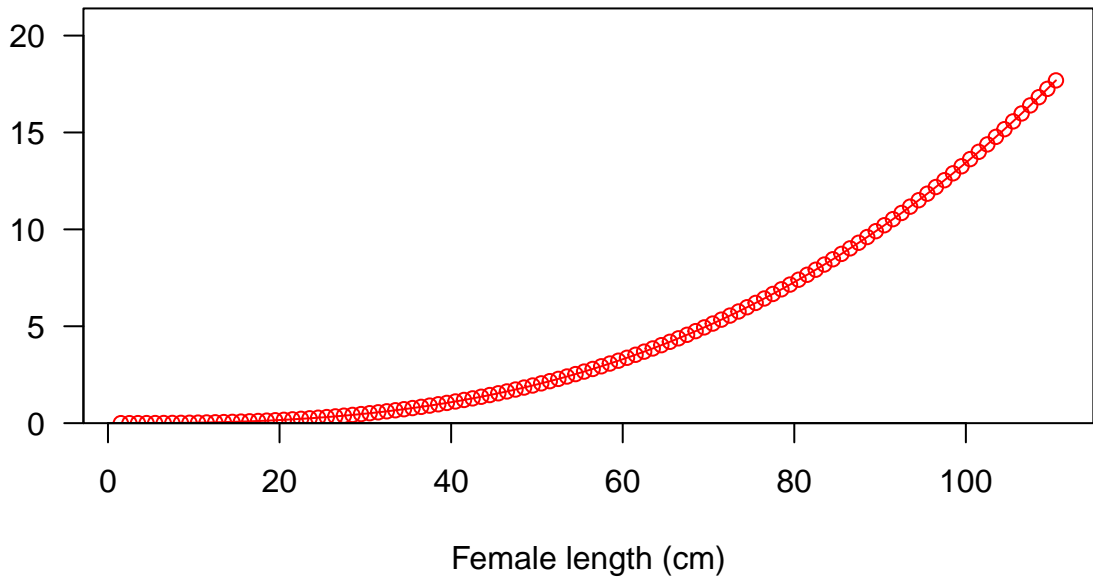


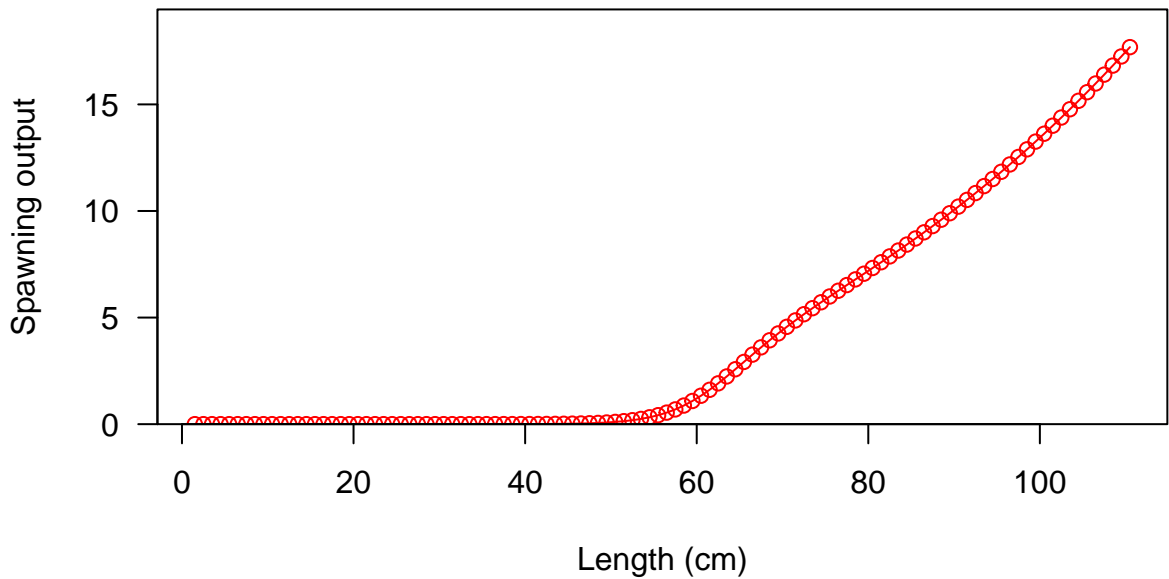


Fecundity

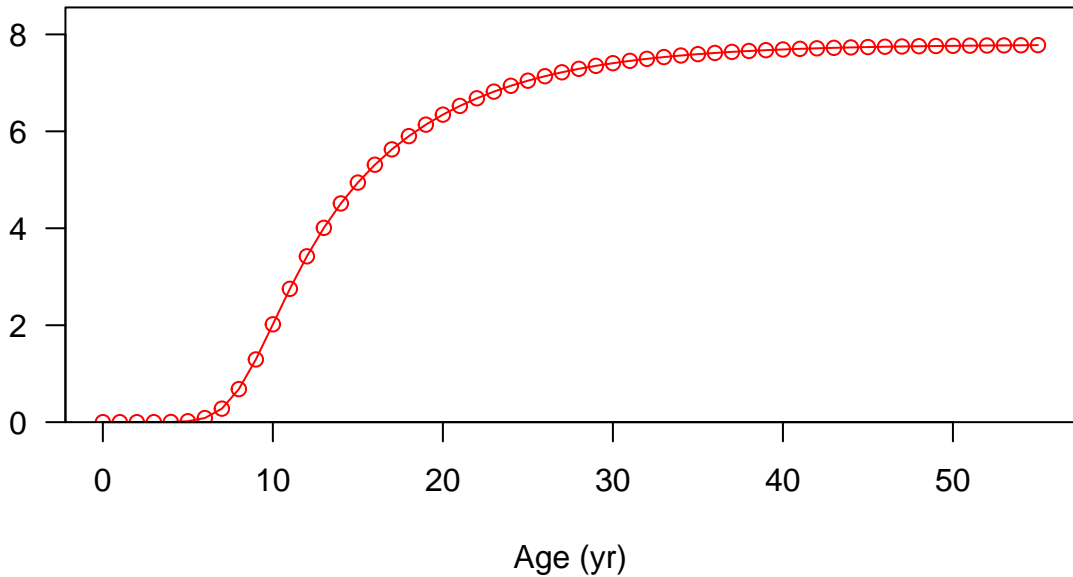


Fecundity

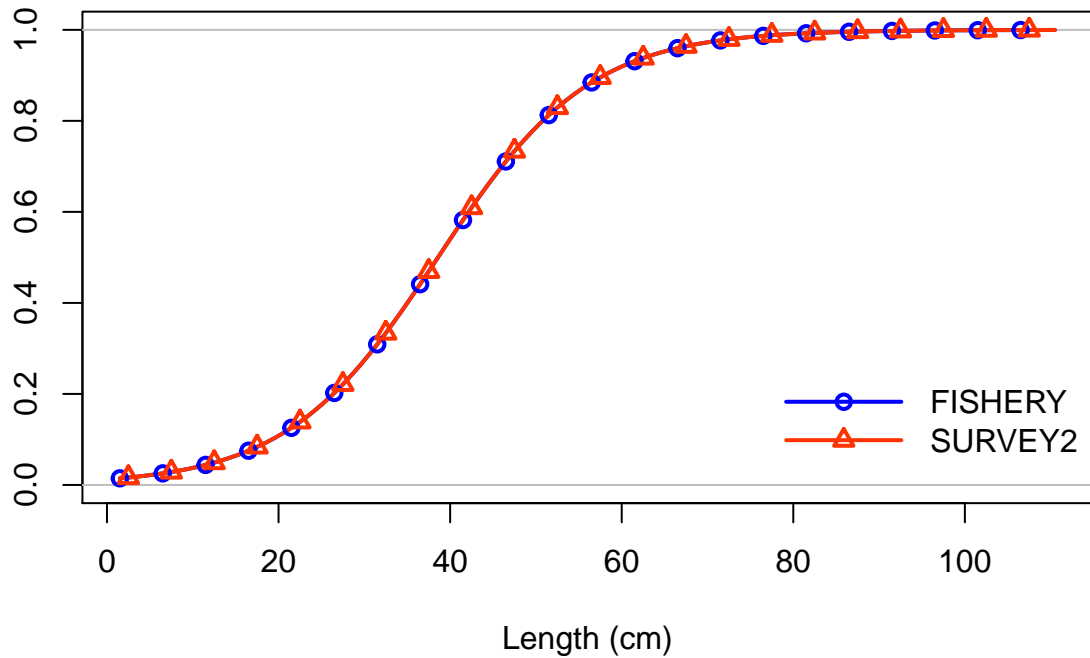




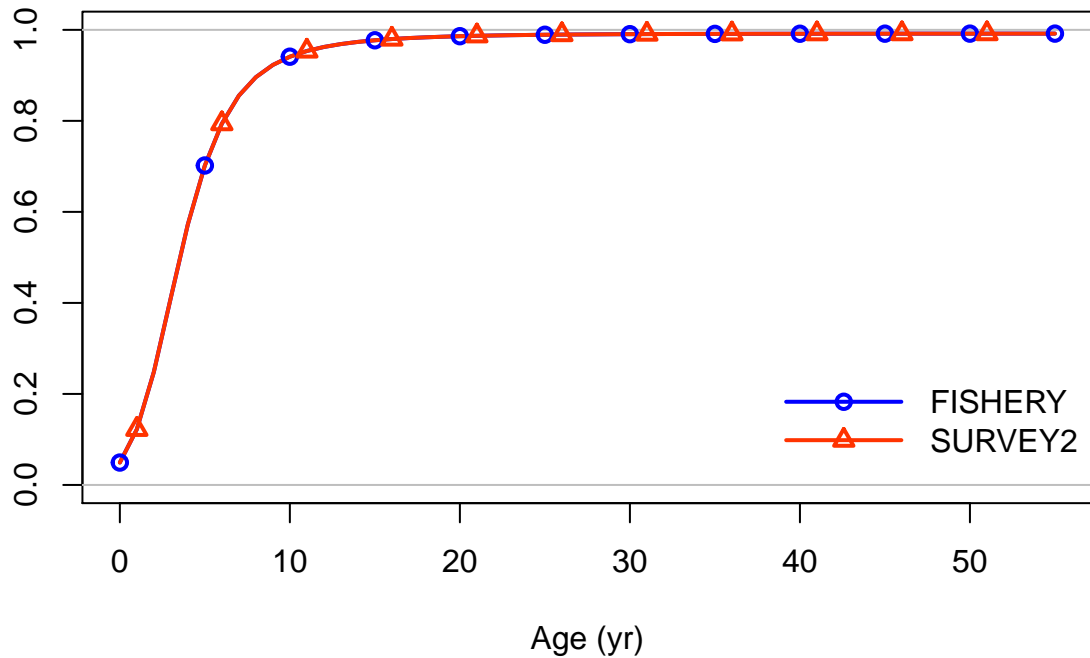
Spawning output



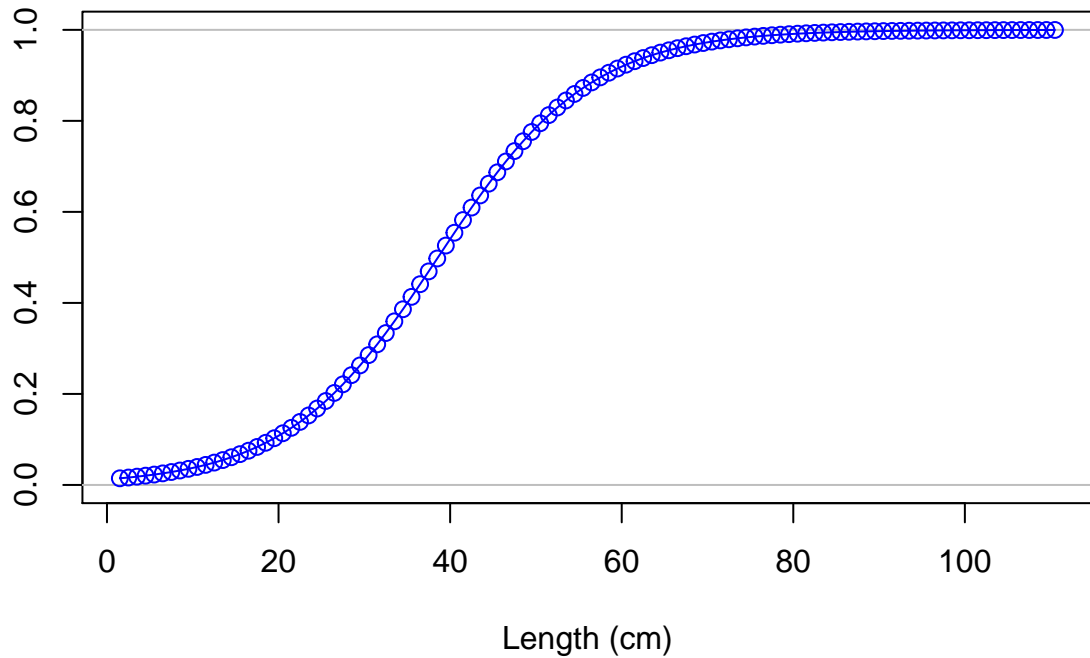
Selectivity



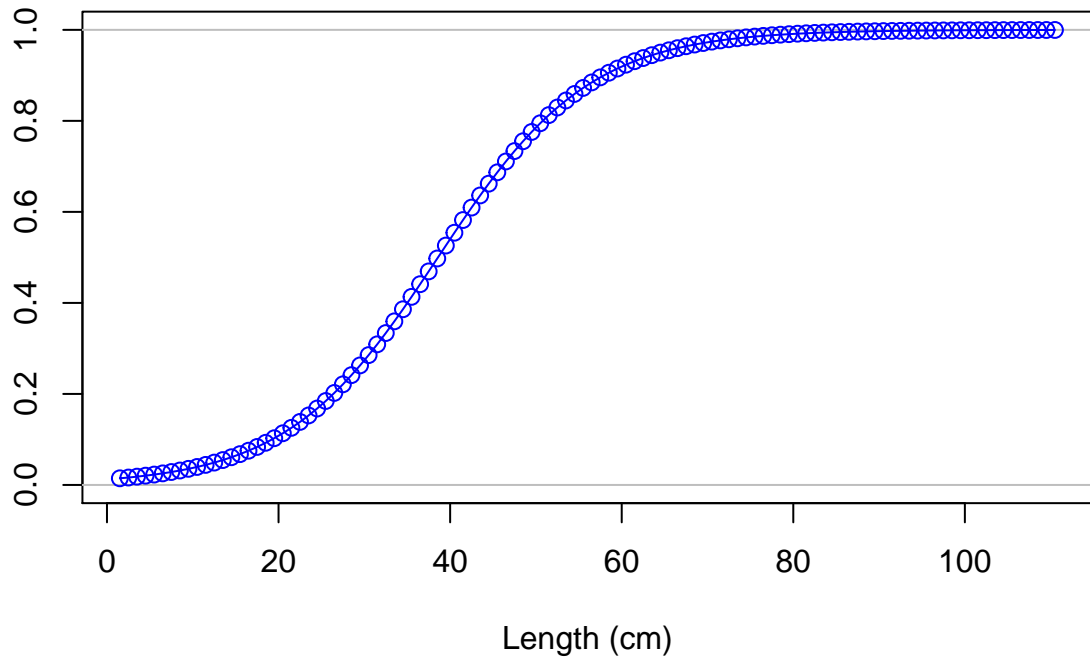
Selectivity

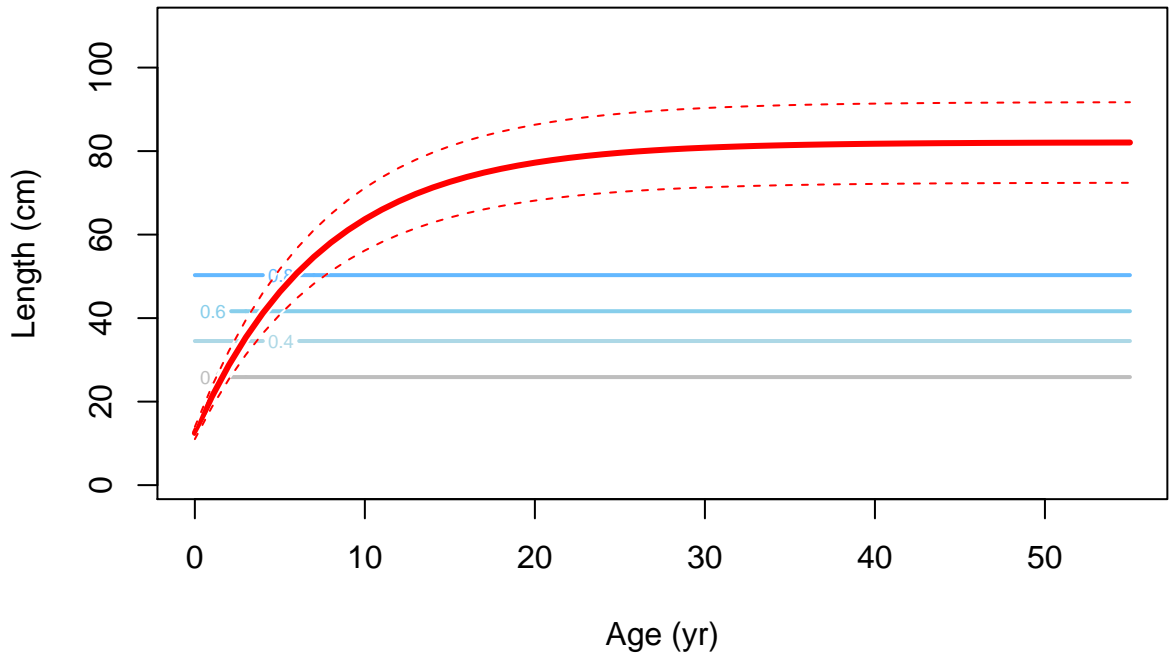


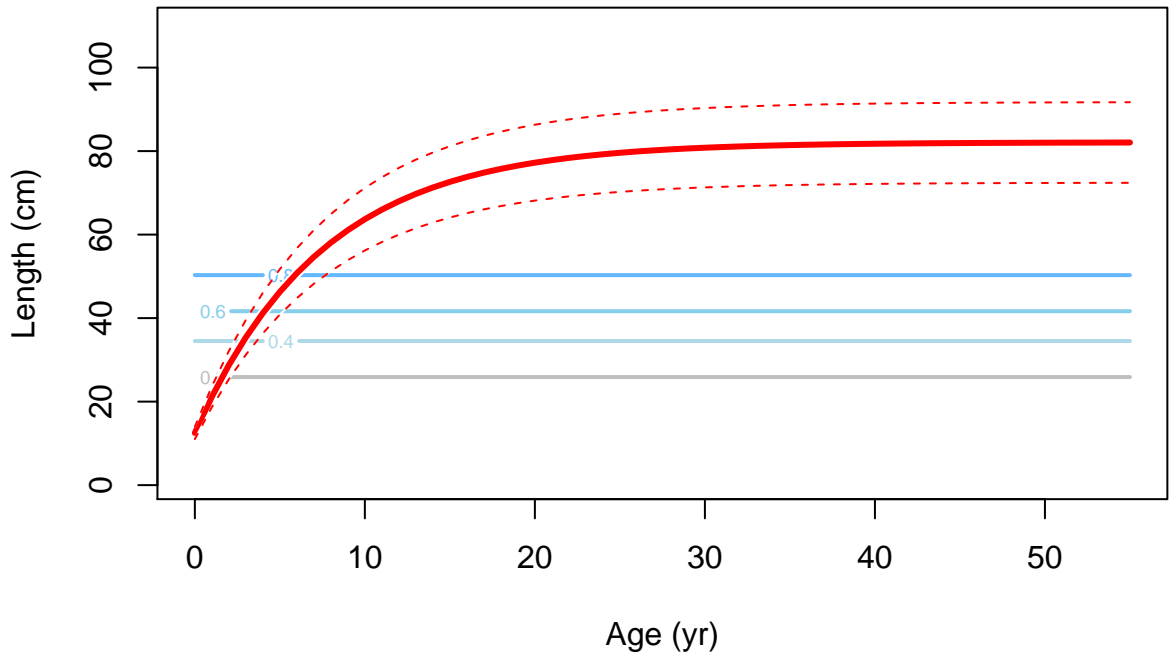
Selectivity

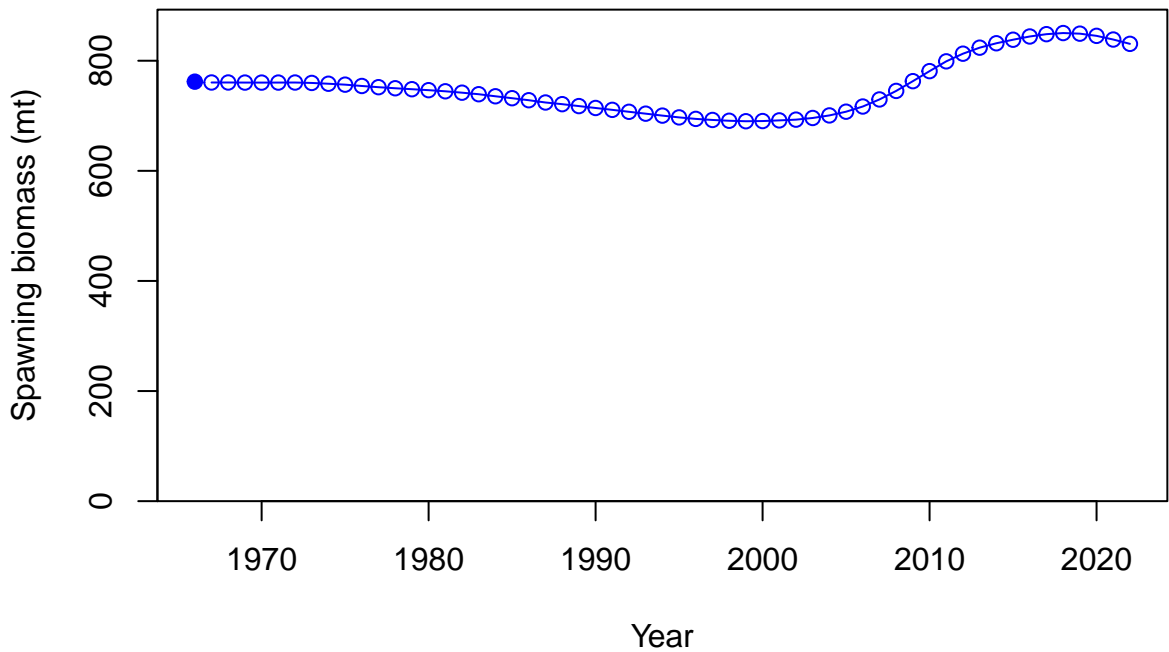


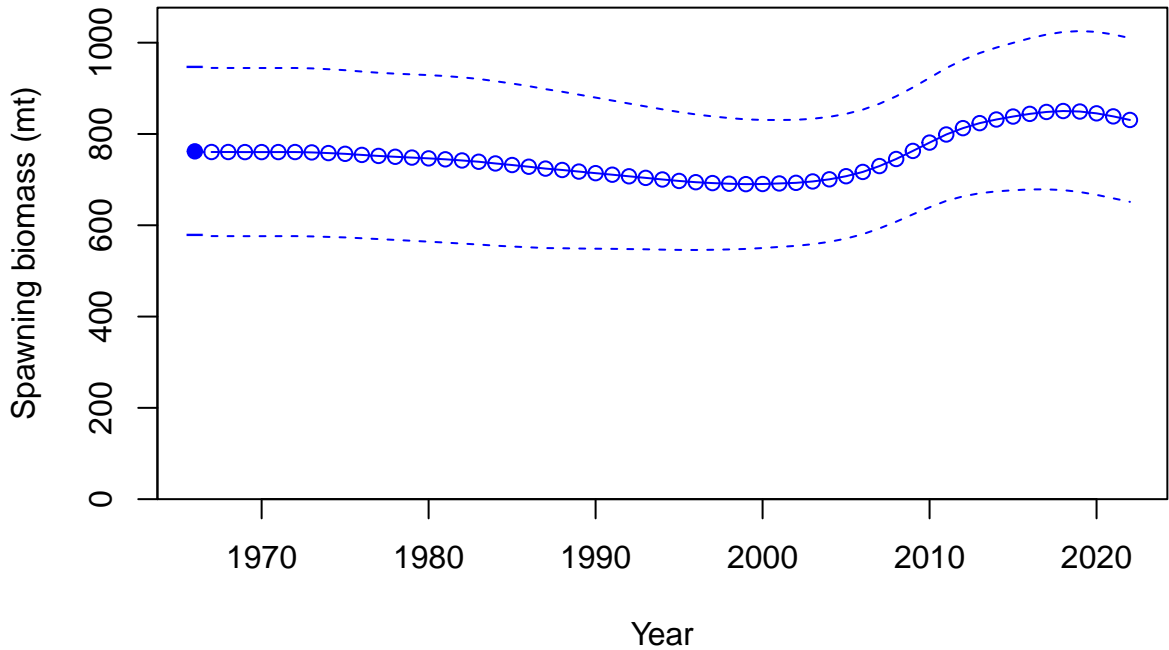
Selectivity



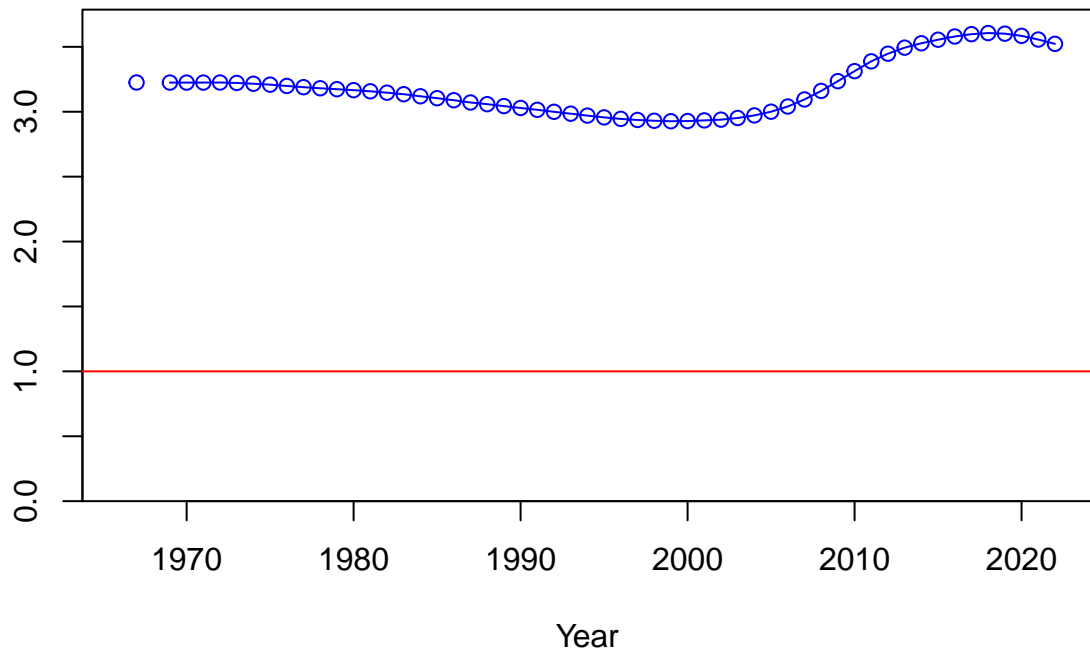




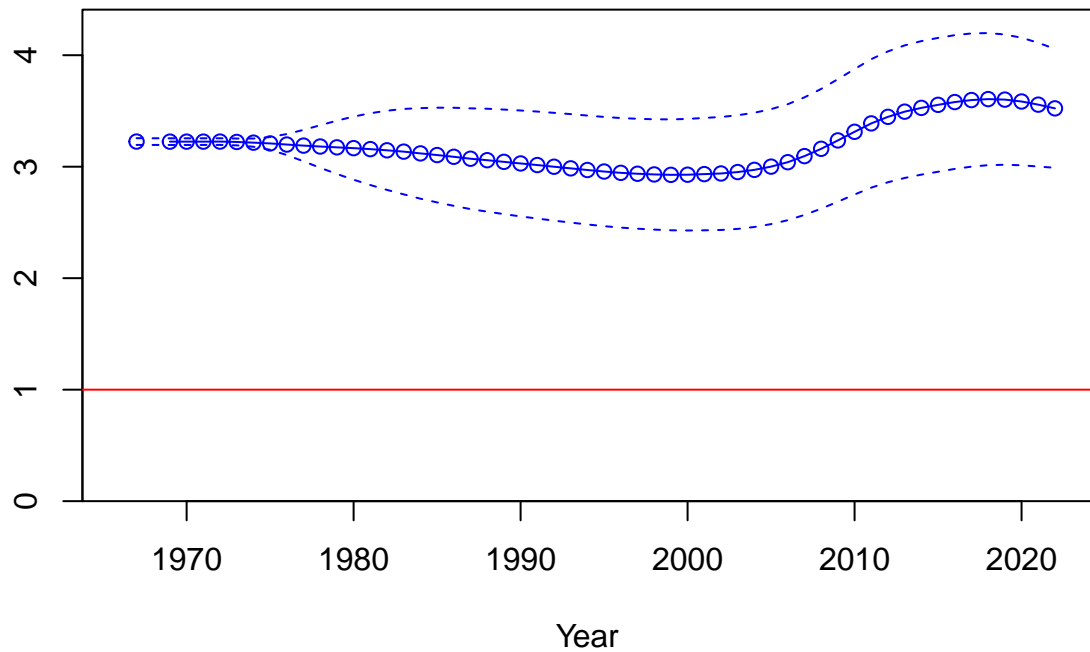


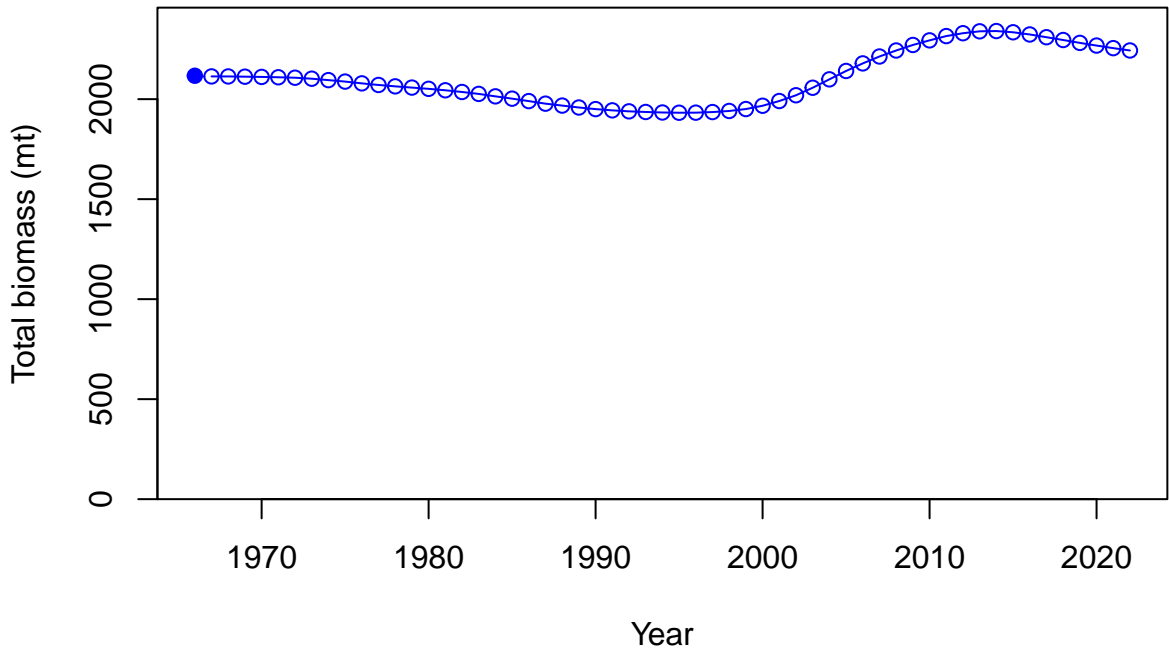


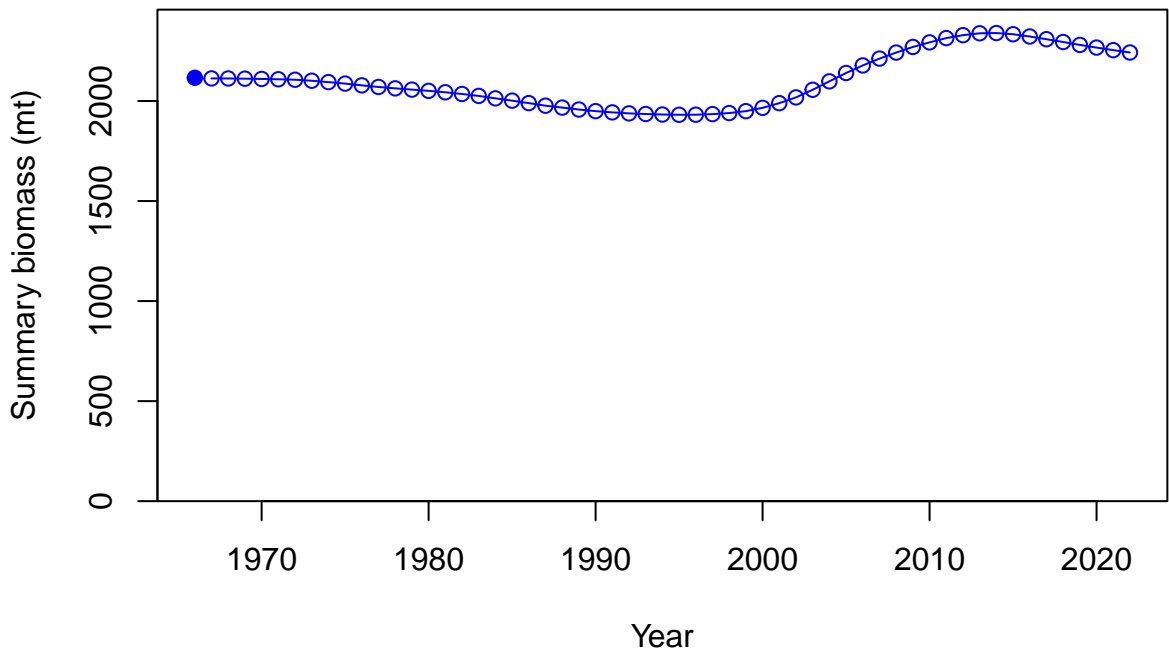
Relative spawning biomass: B/B_{MSY}

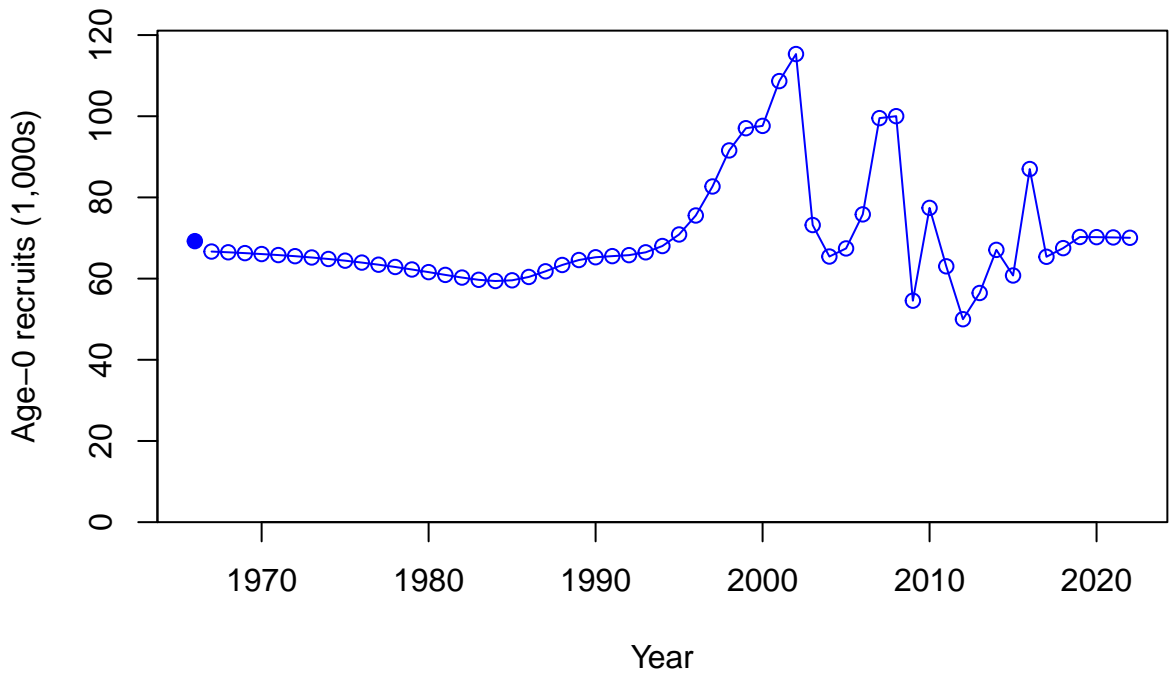


Relative spawning biomass: B/B_{MSY}

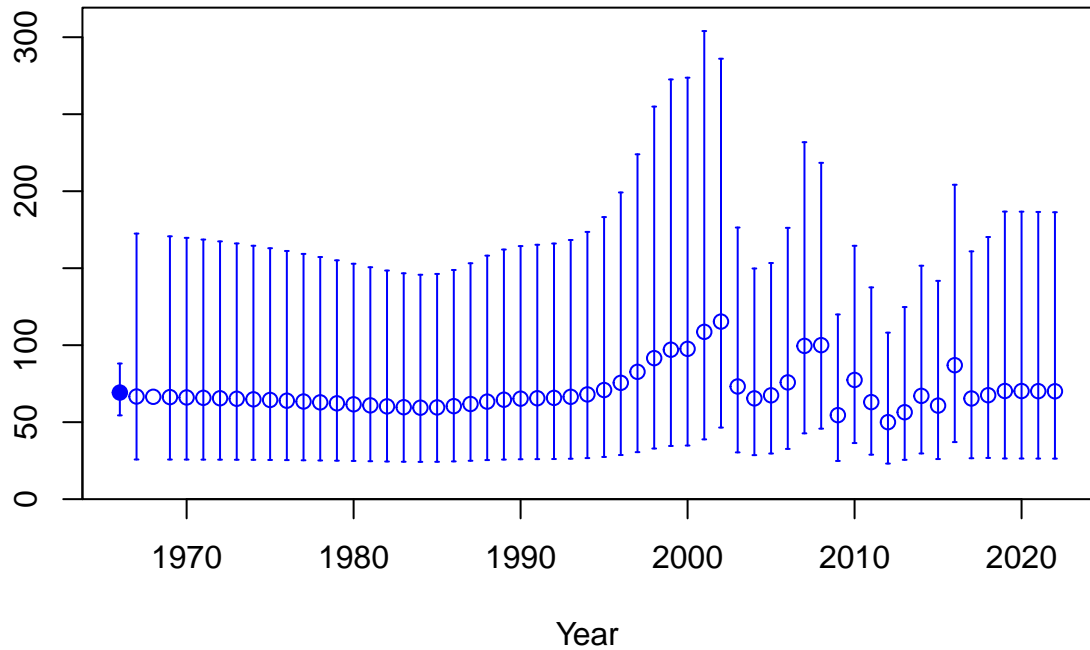




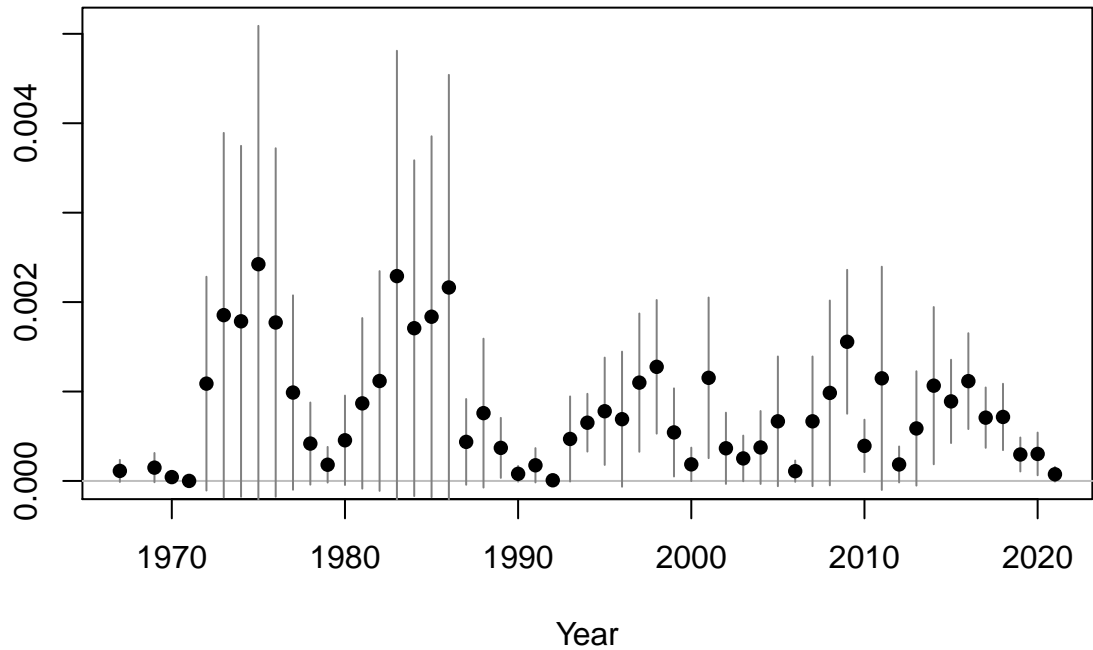


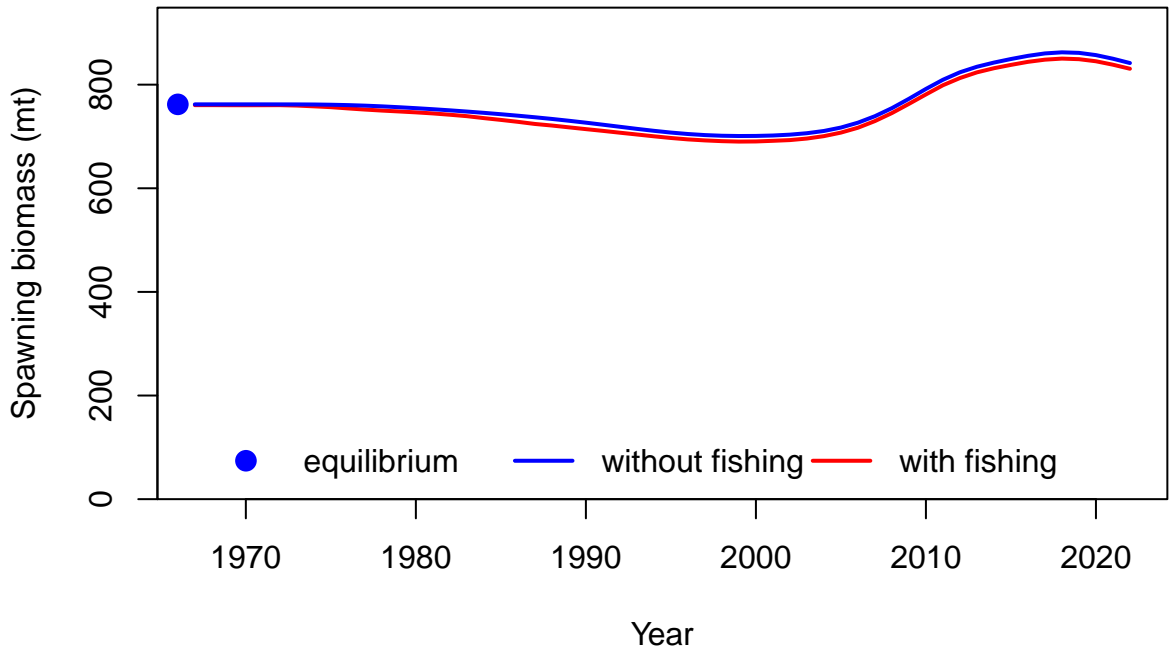


Age-0 recruits (1,000s)



Summary Fishing Mortality





Log recruitment deviation

0.4
0.2
0.0
-0.2

1970

1980

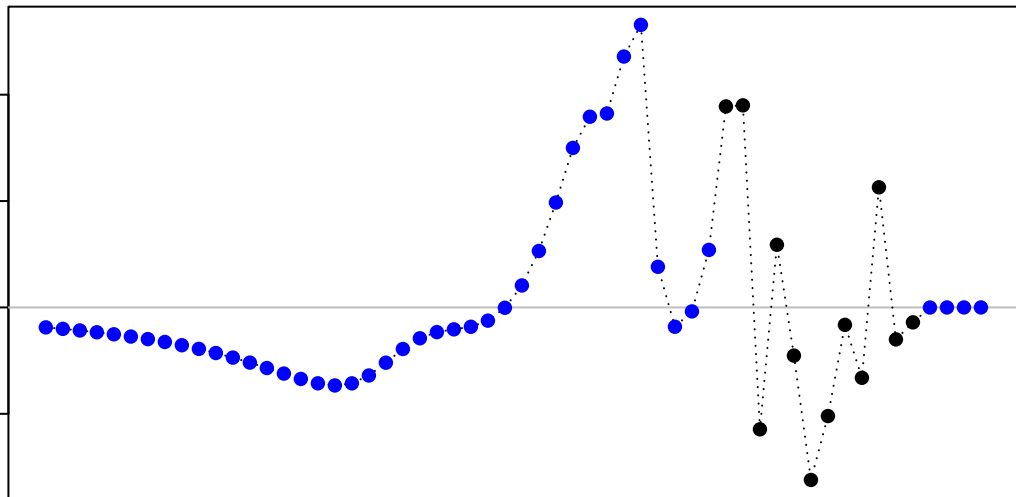
1990

2000

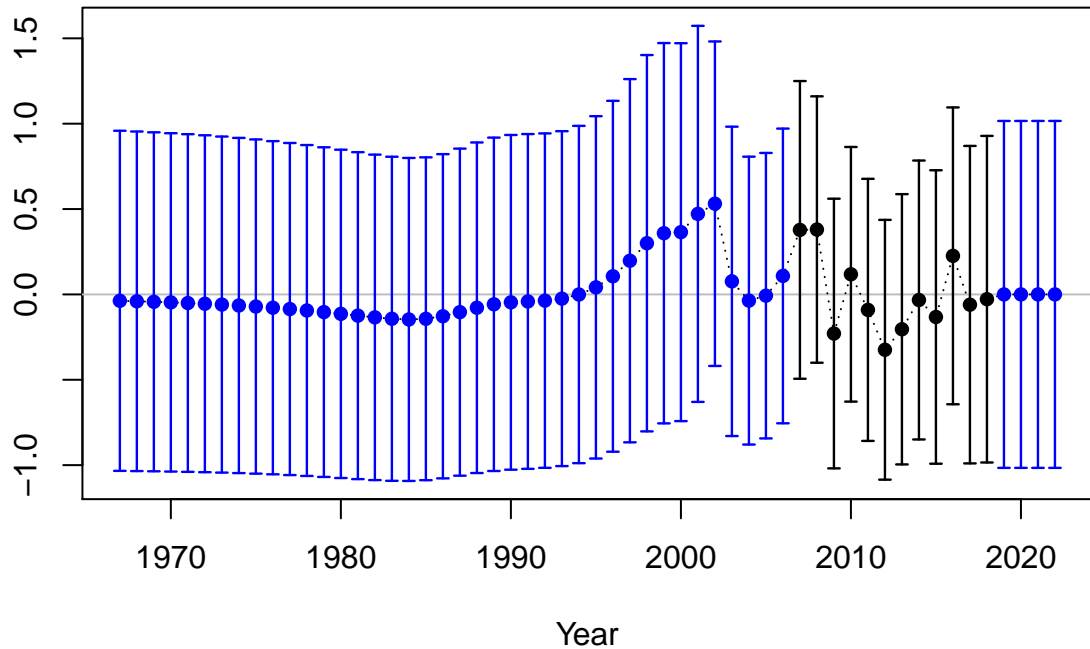
2010

2020

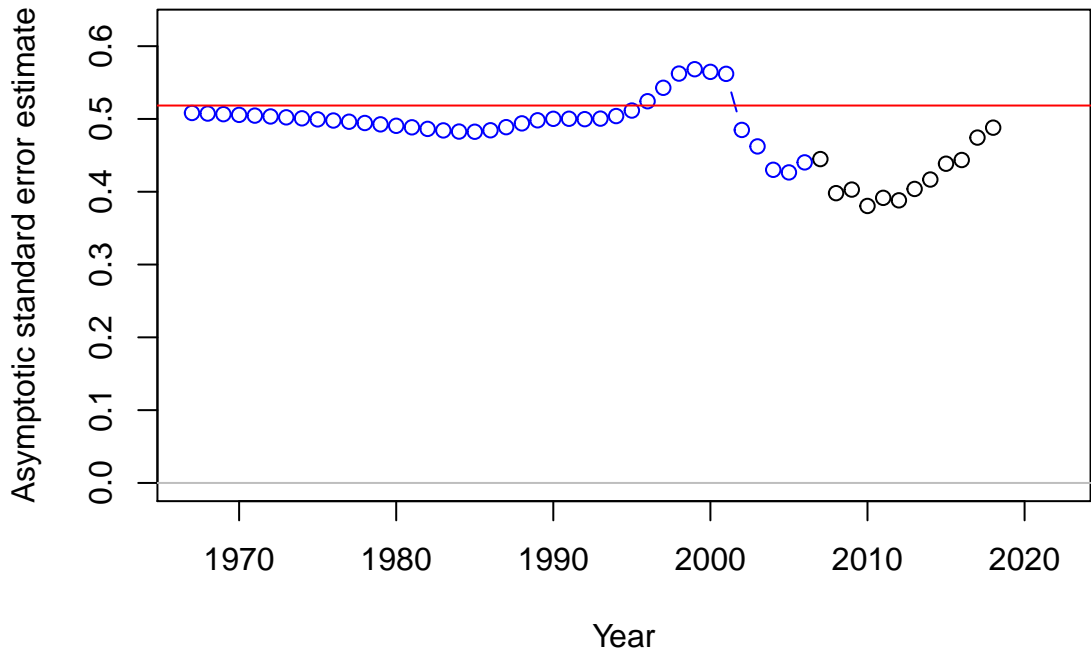
Year

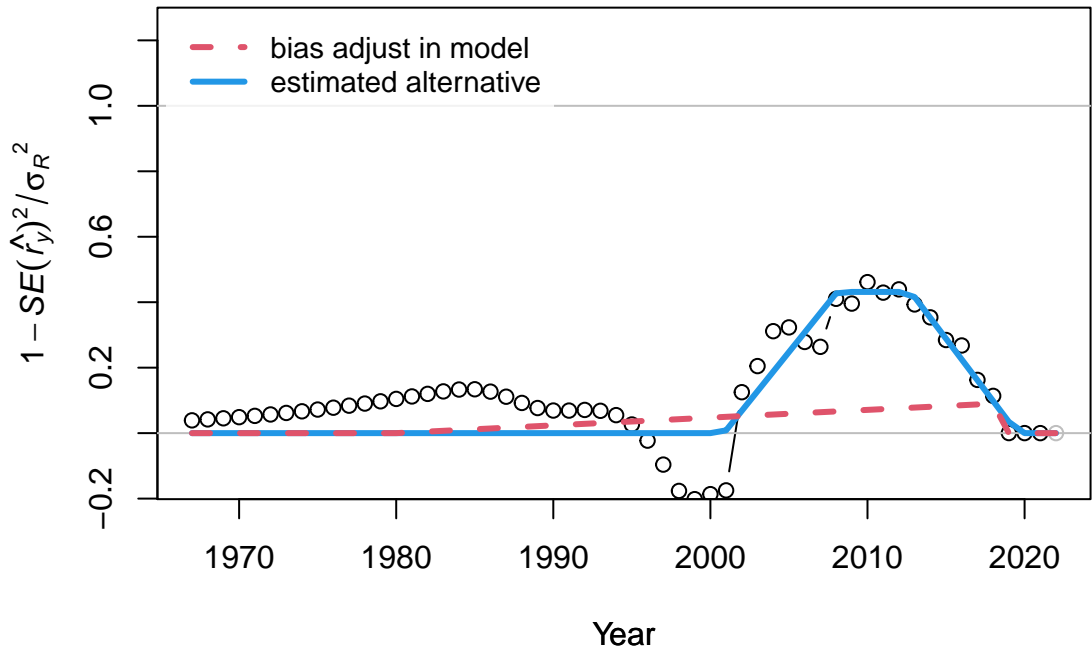


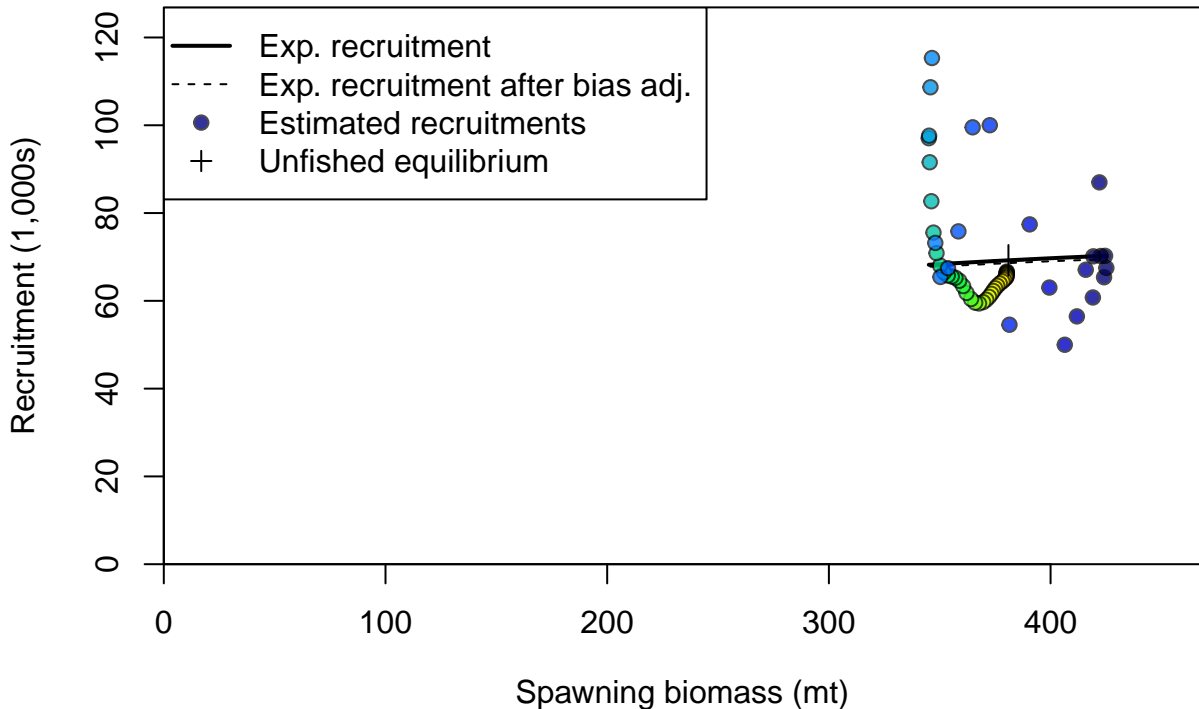
Log recruitment deviation

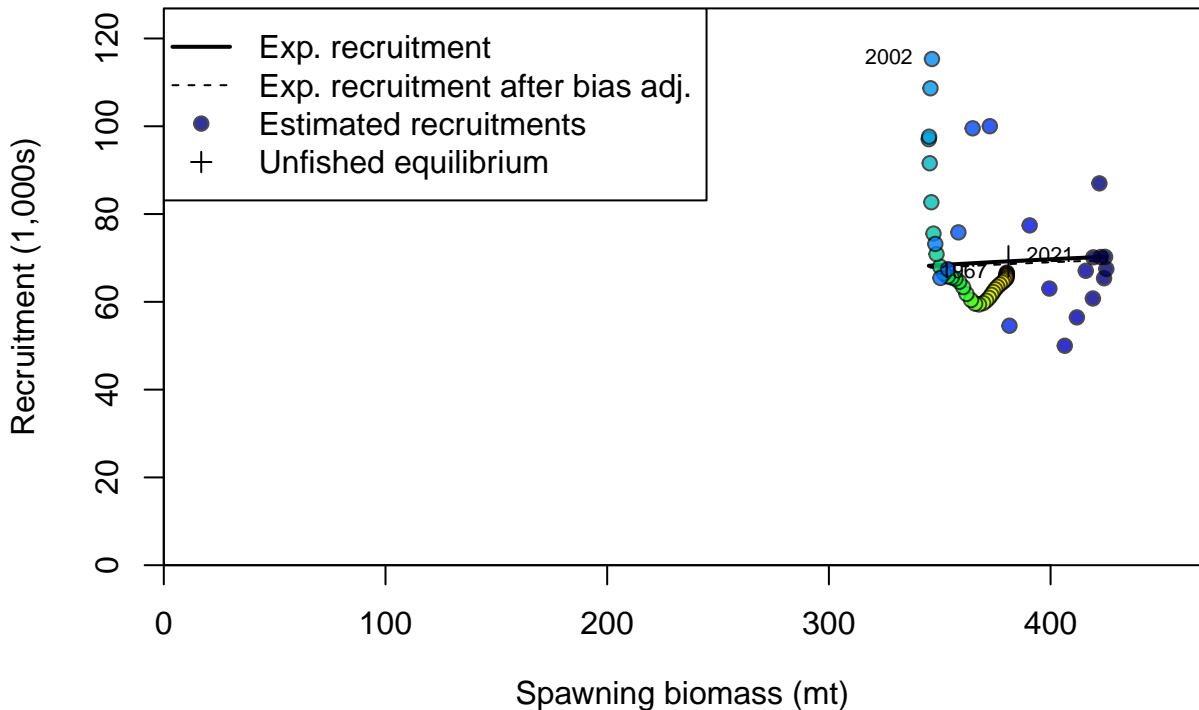


Recruitment deviation variance

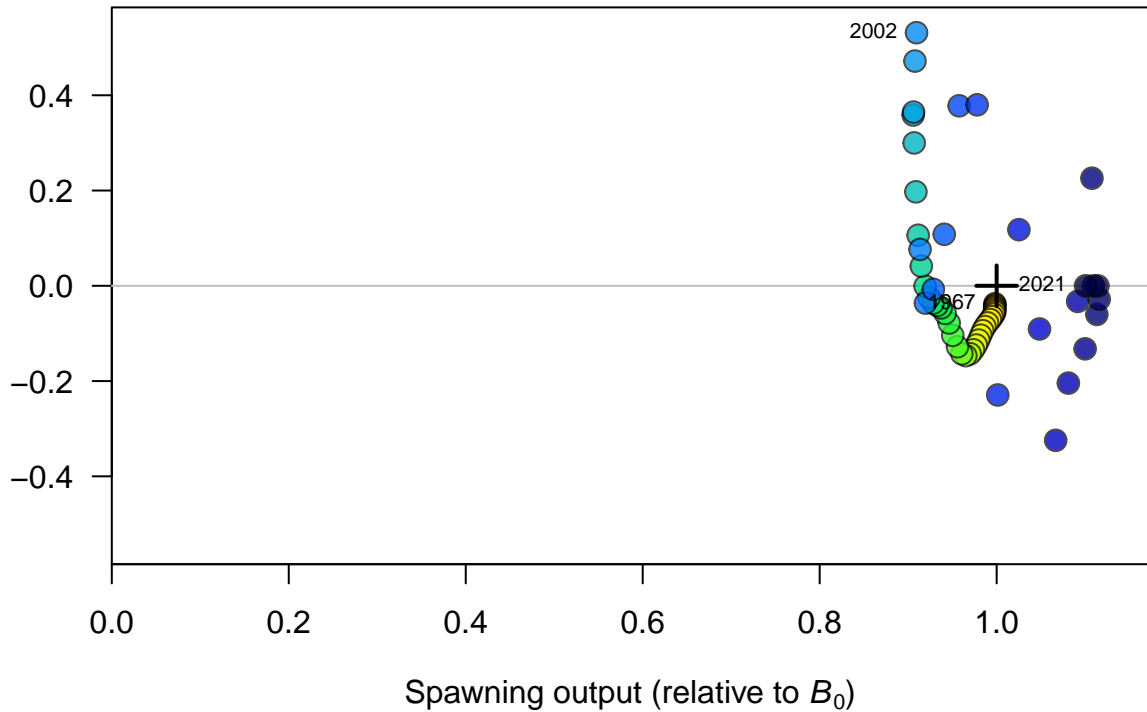


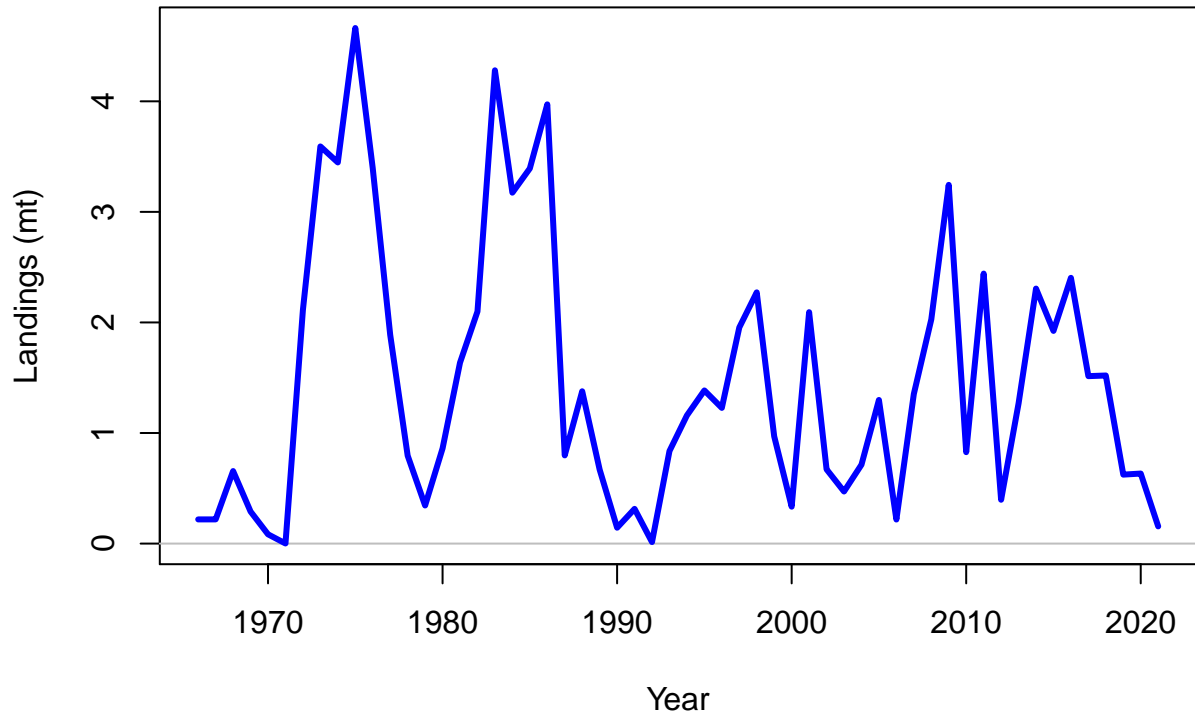


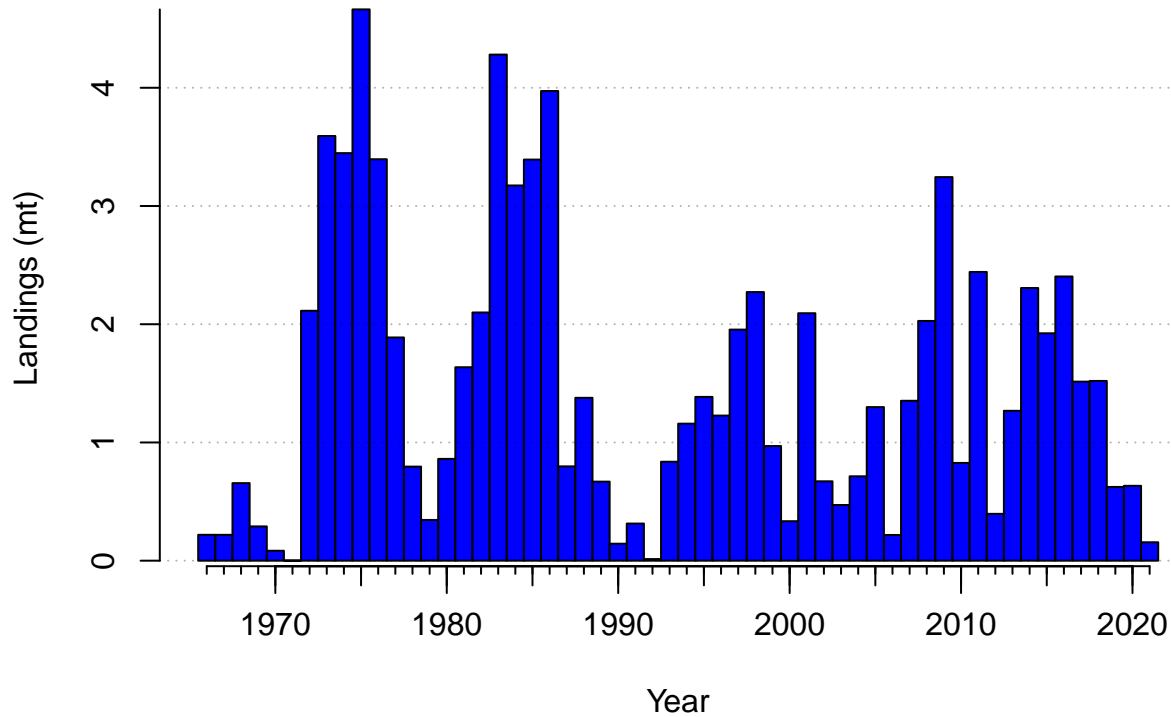




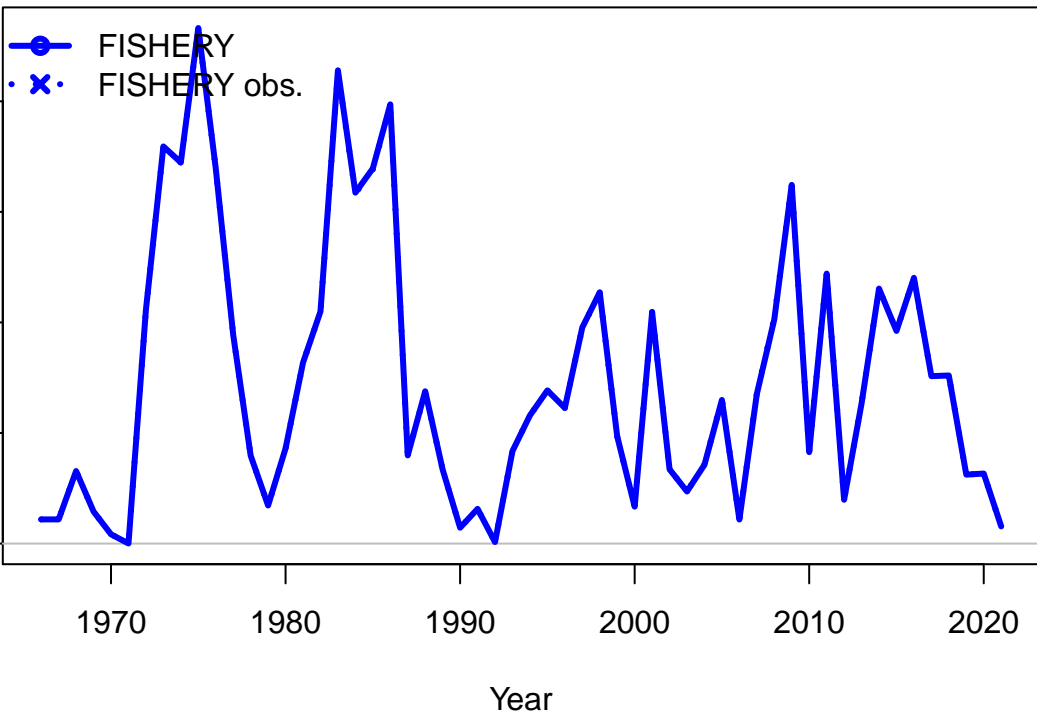
Log recruitment deviation

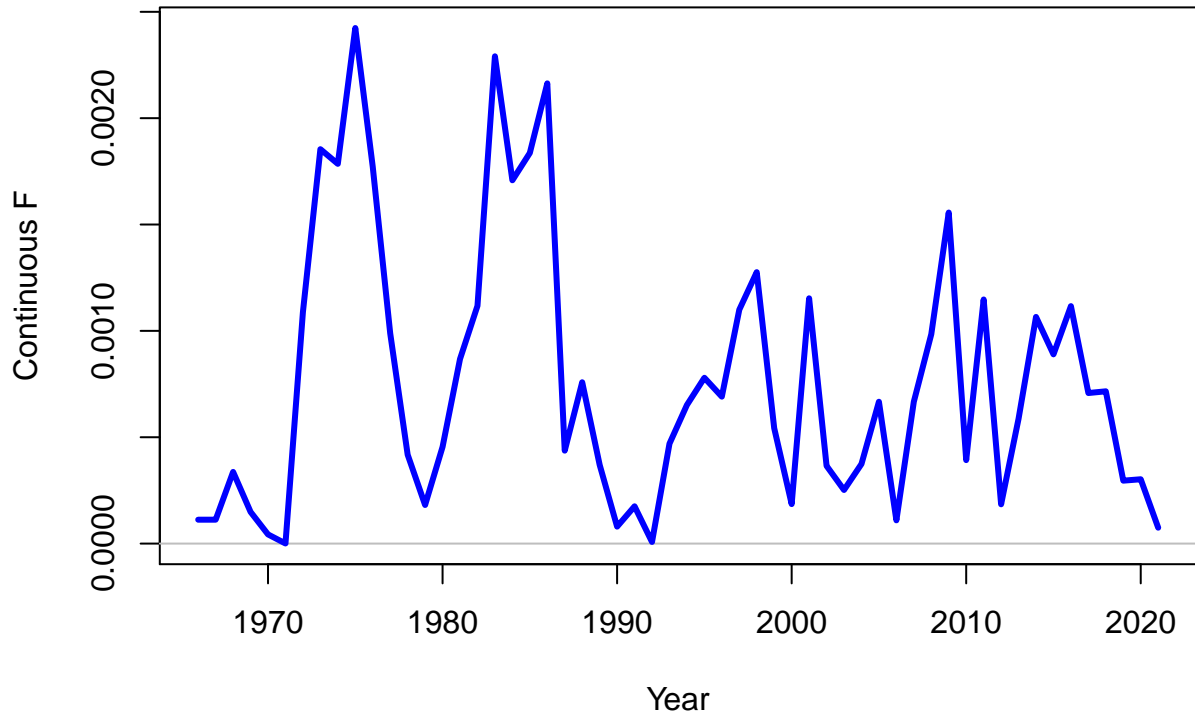




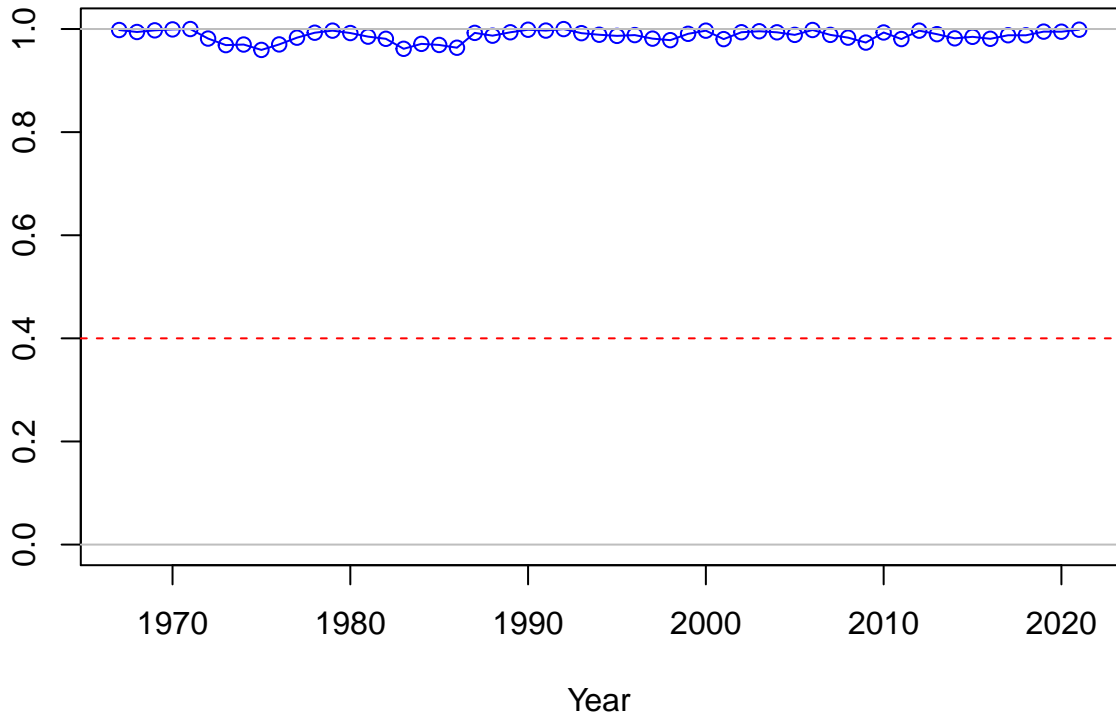


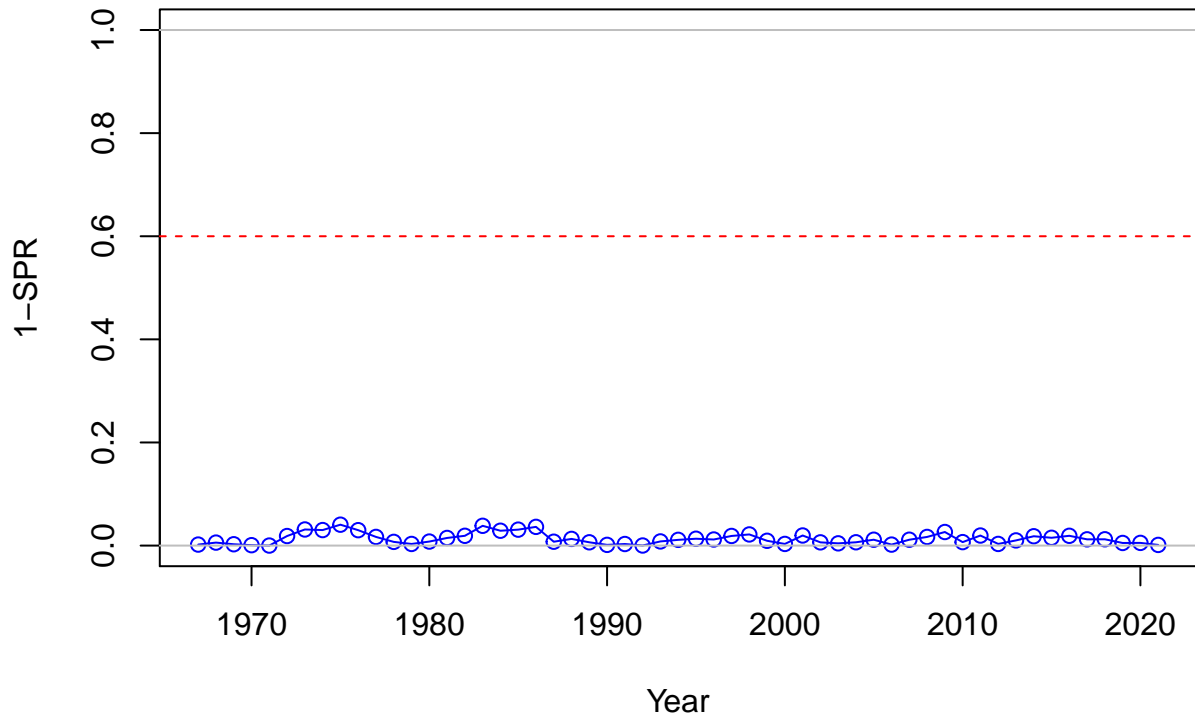
Observed and expected Landings (mt)



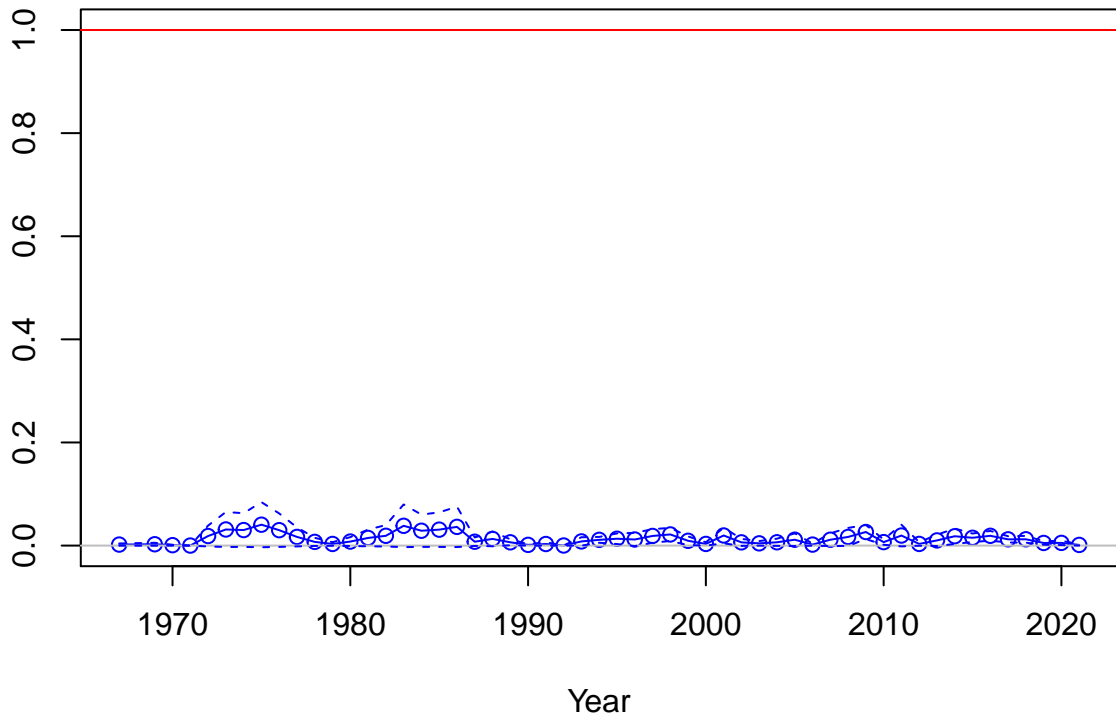


SPR

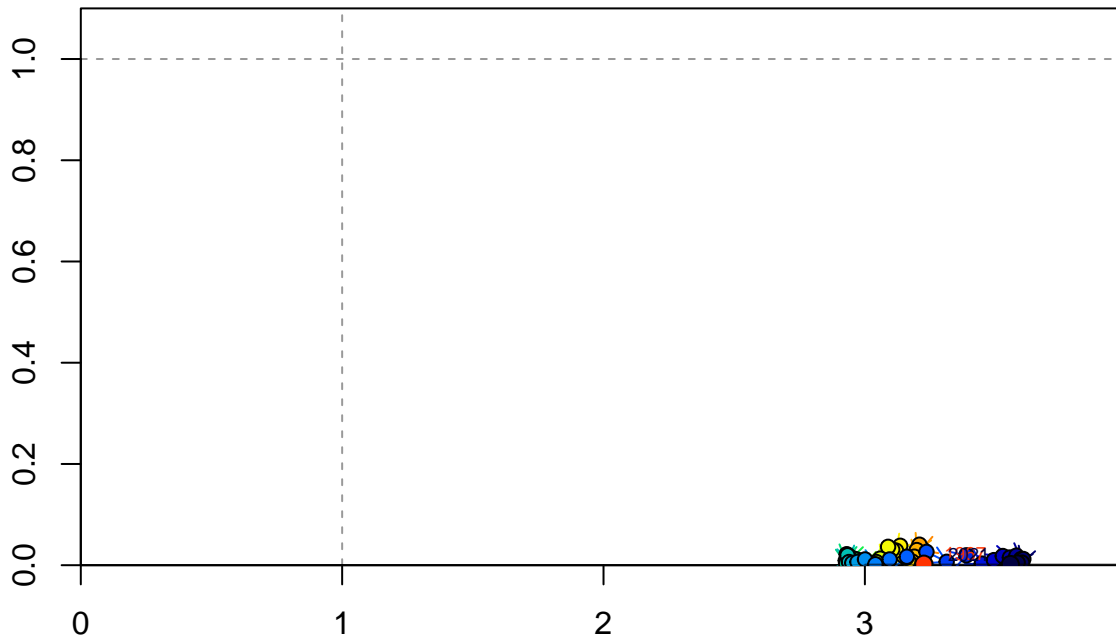




Fishing intensity: 1-SPR



Fishing intensity: 1-SPR

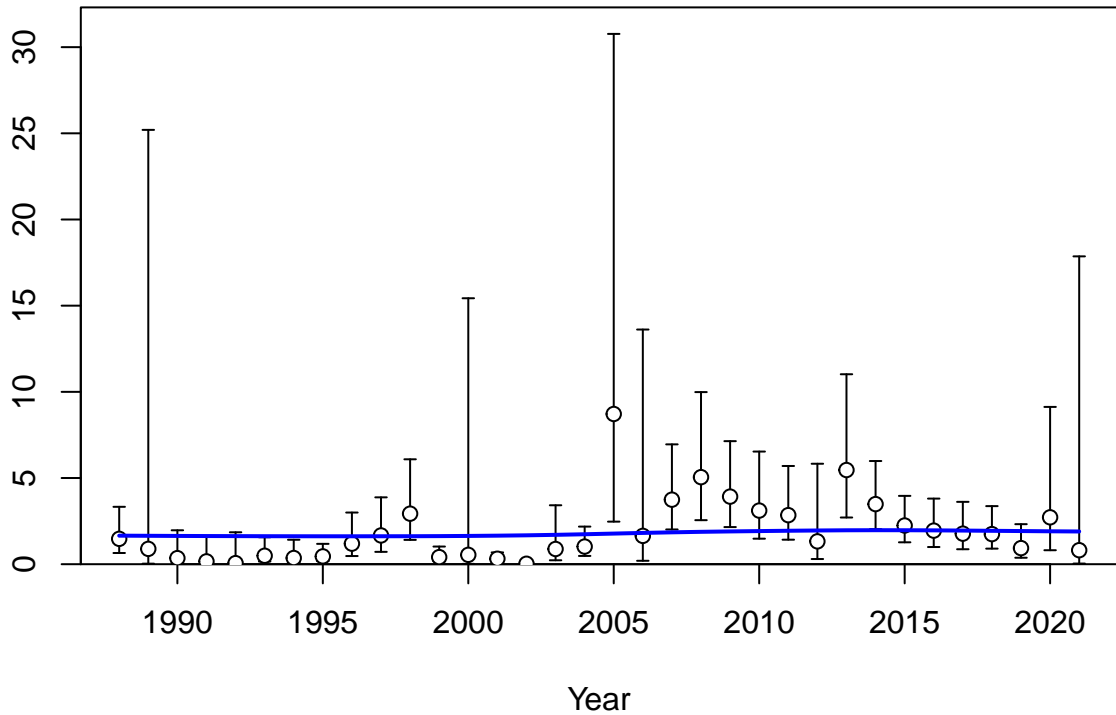


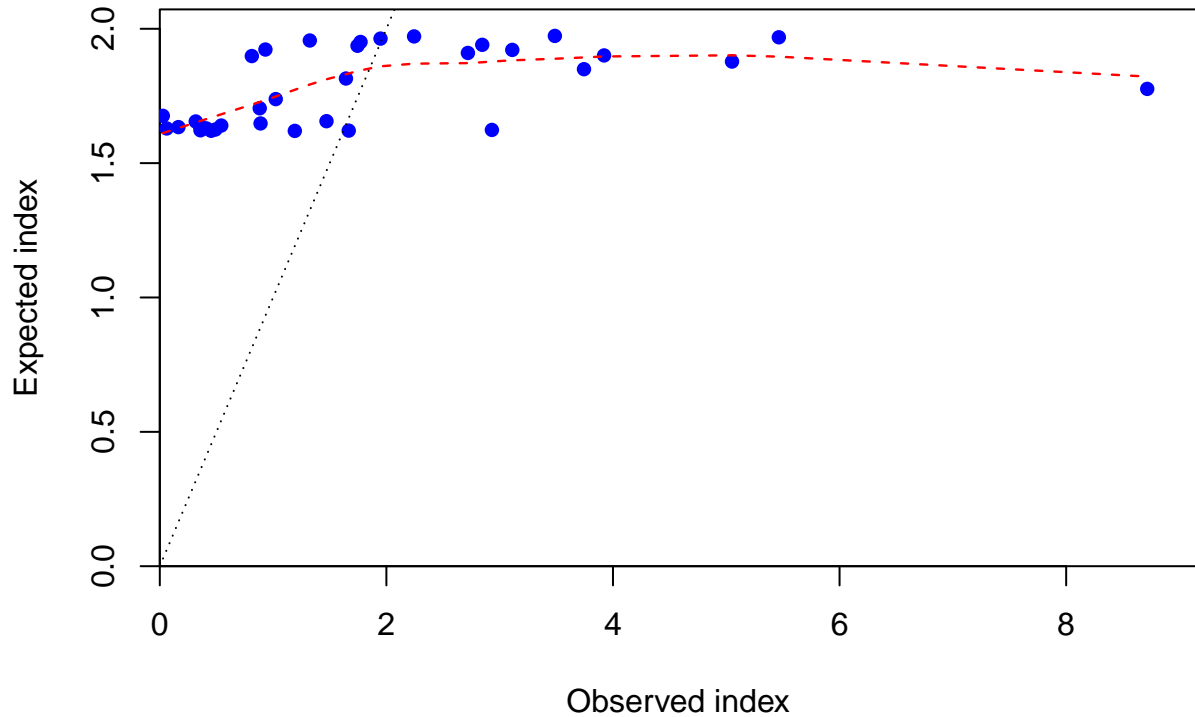
Relative spawning output: B/B_{MSY}

Index

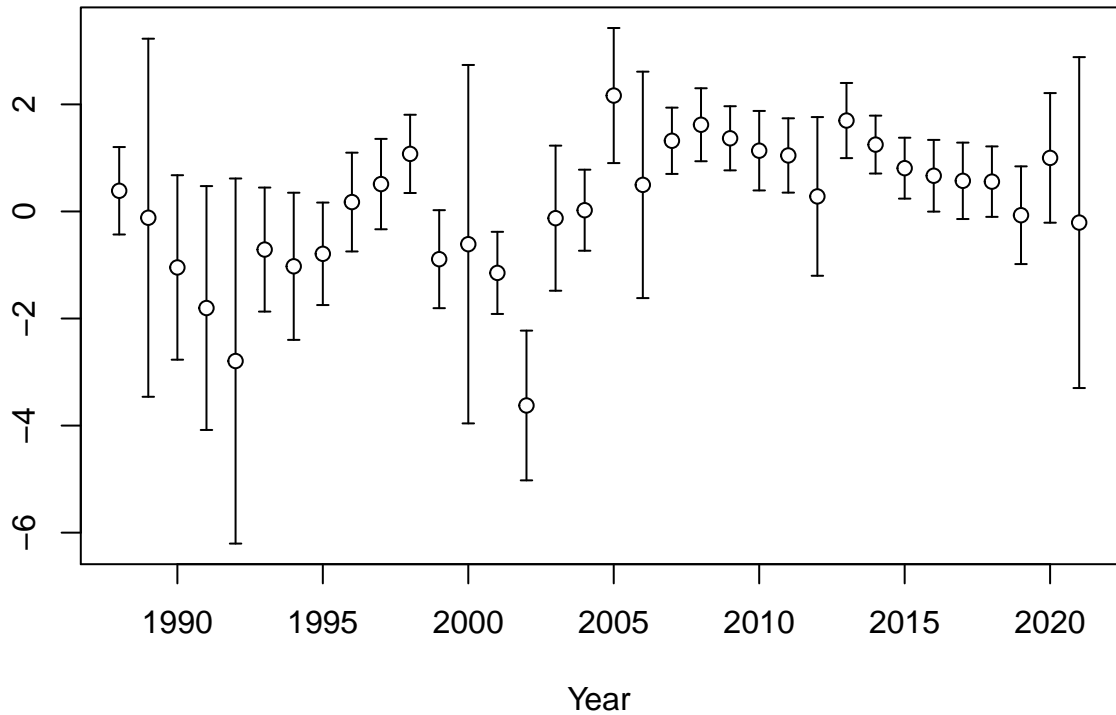


Index

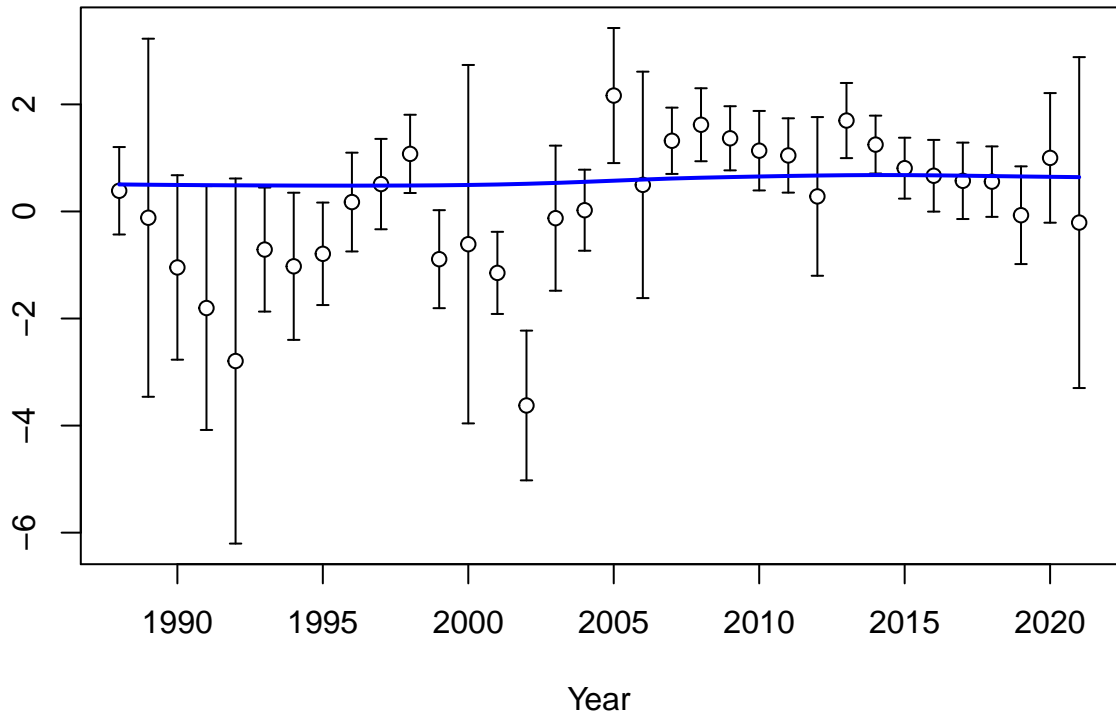


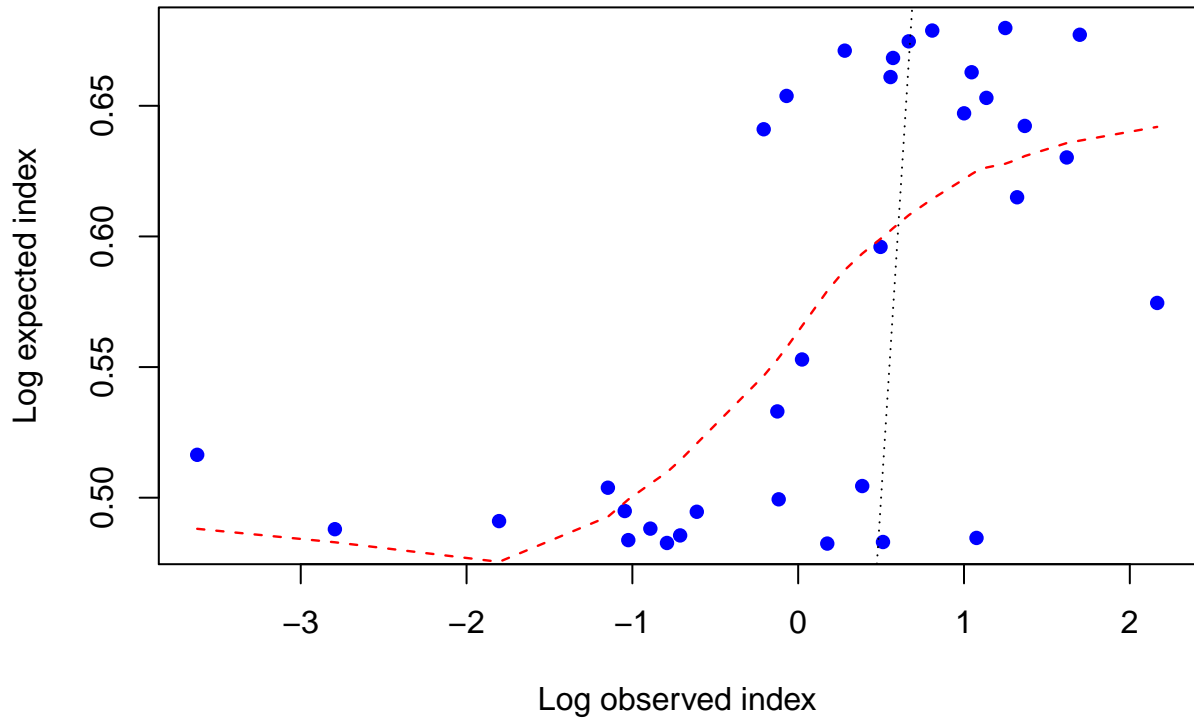


Log index

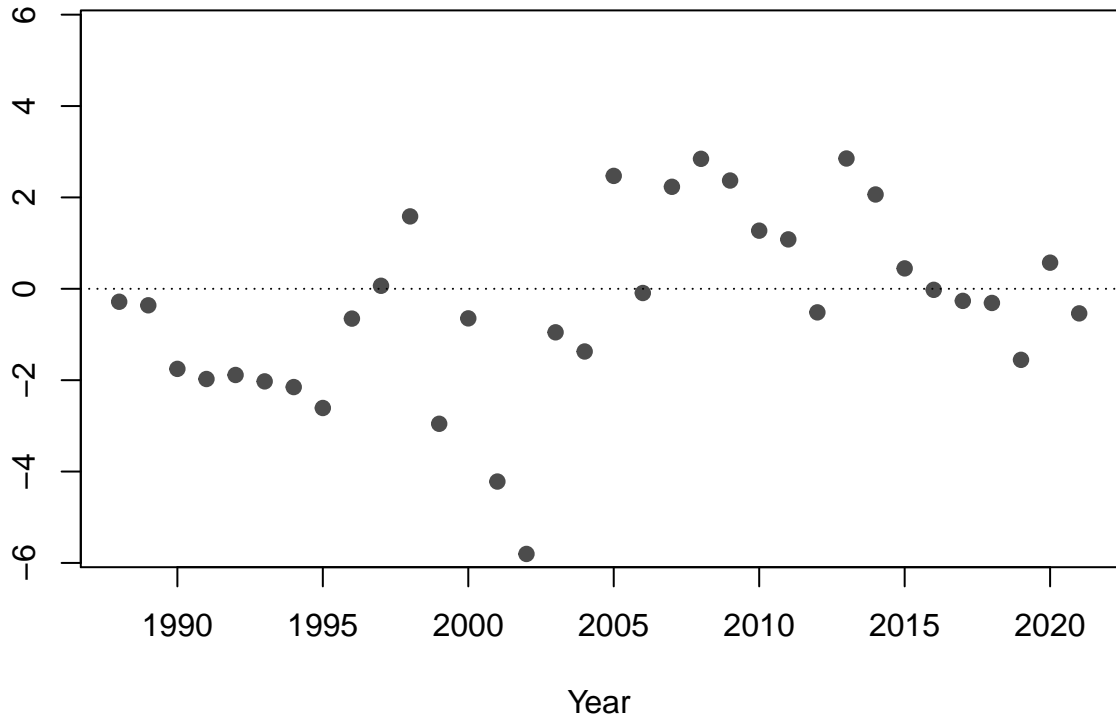


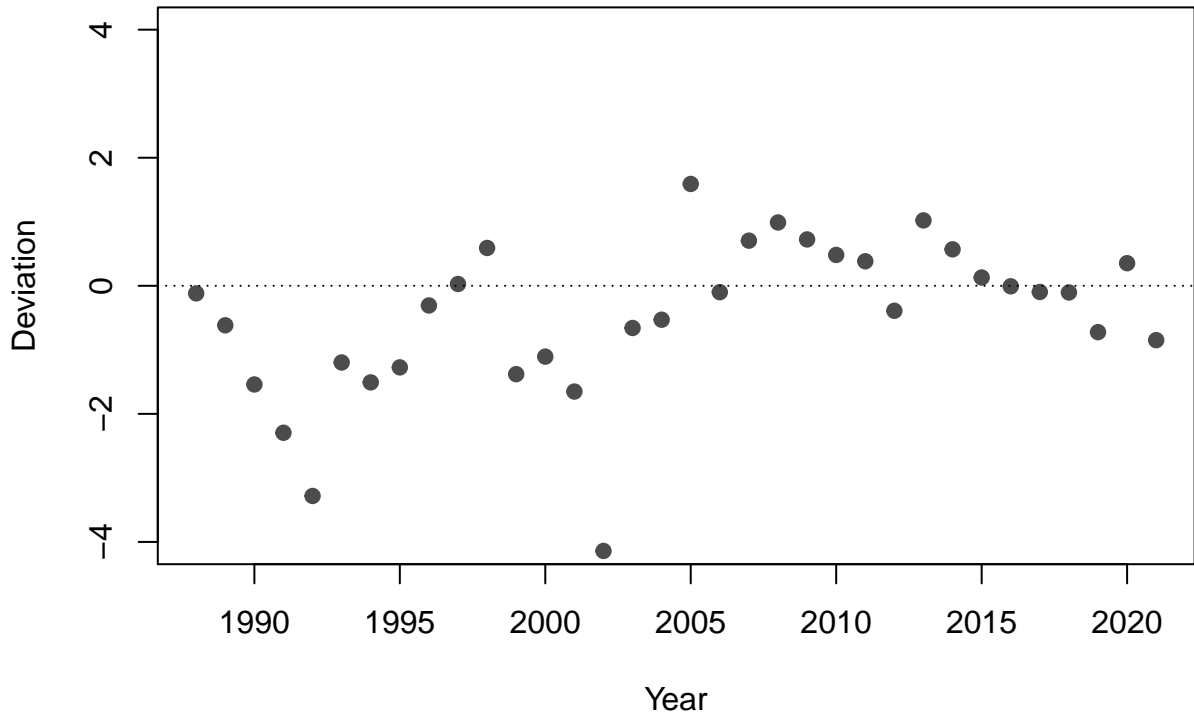
Log index

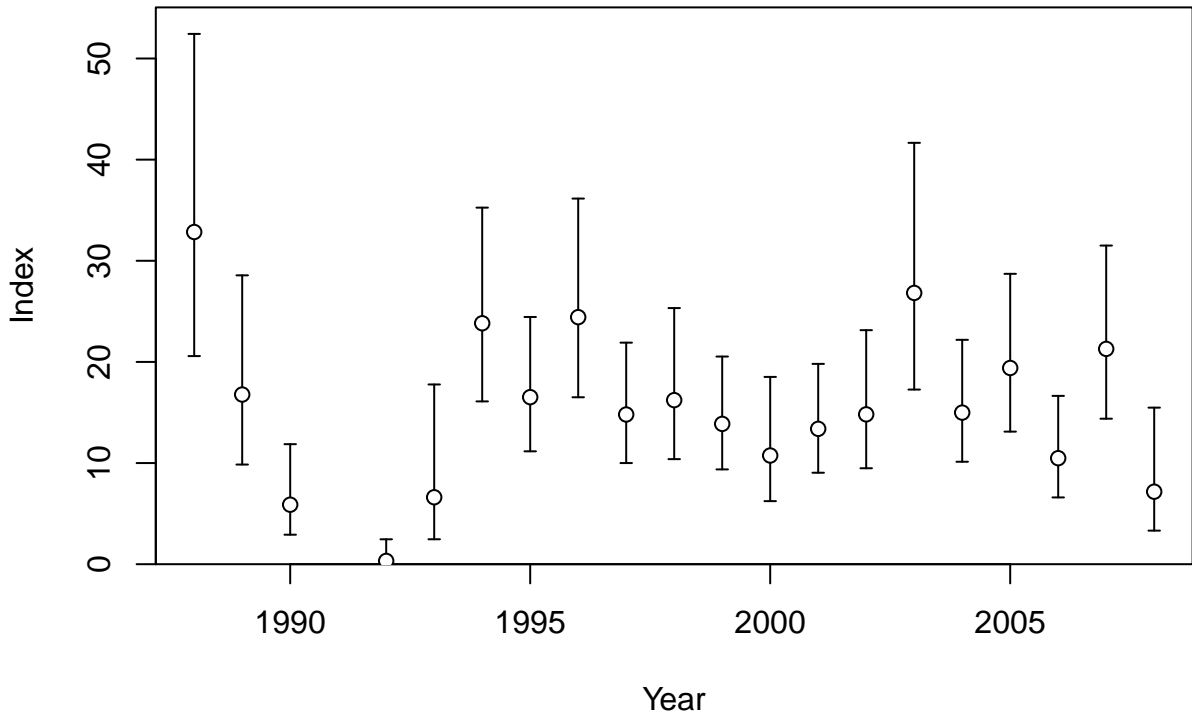


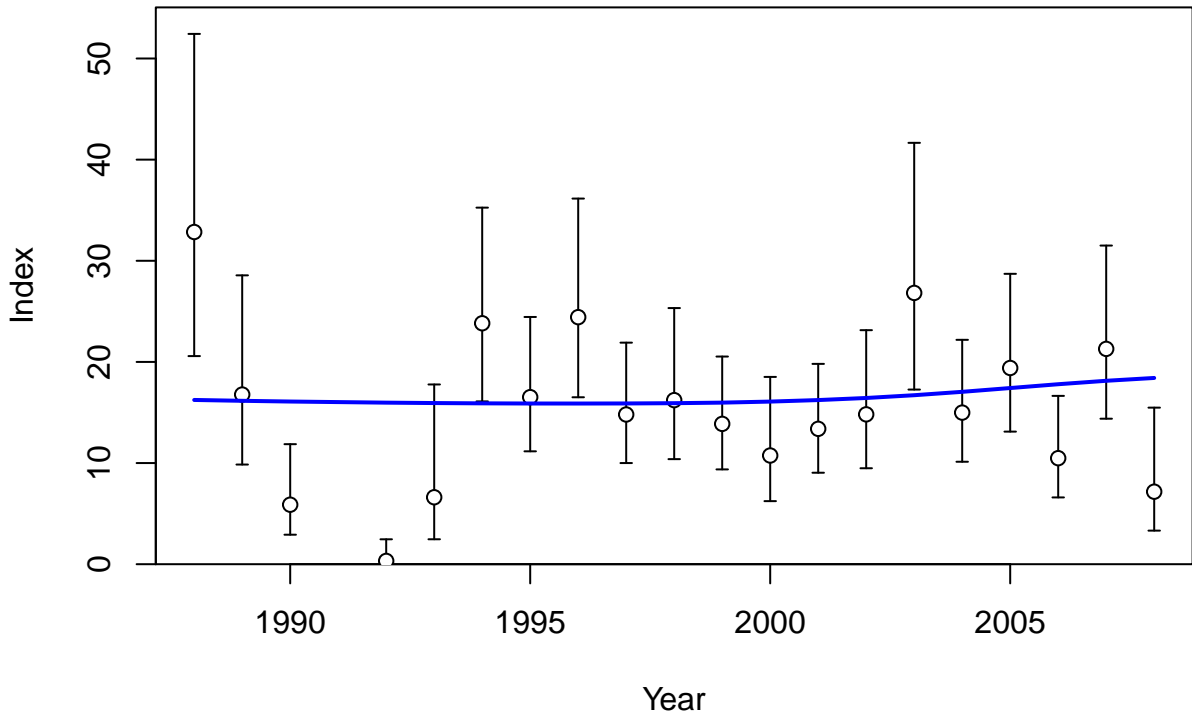


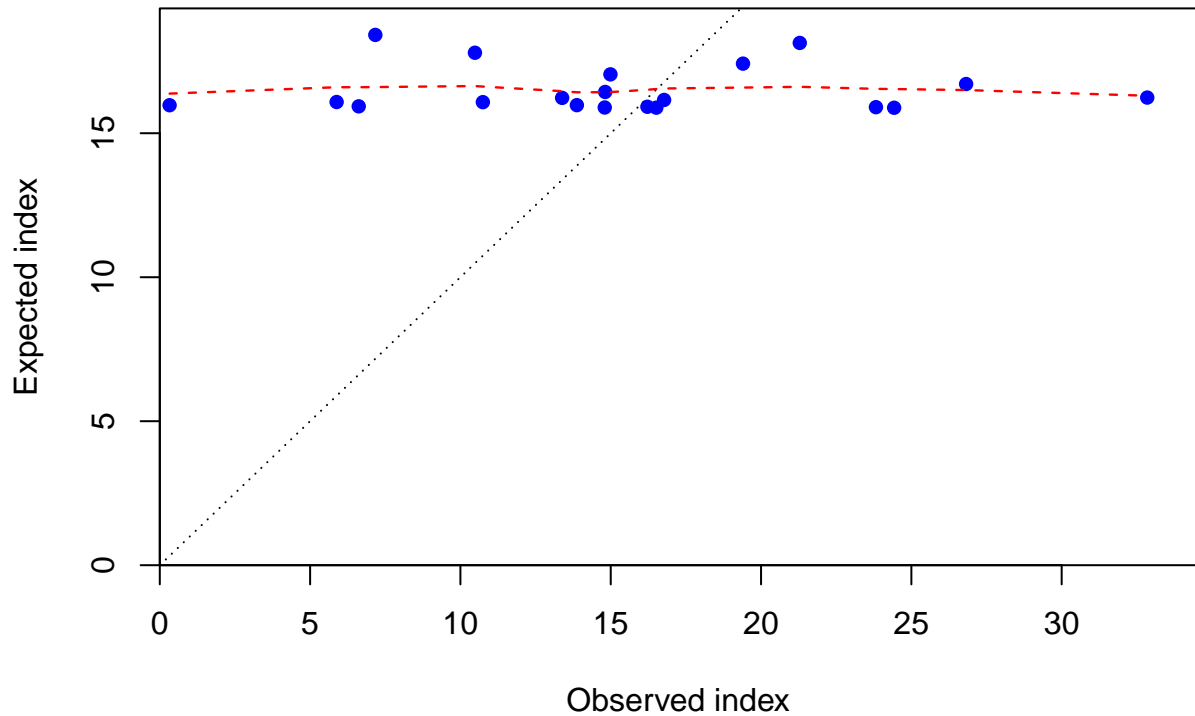
Residual



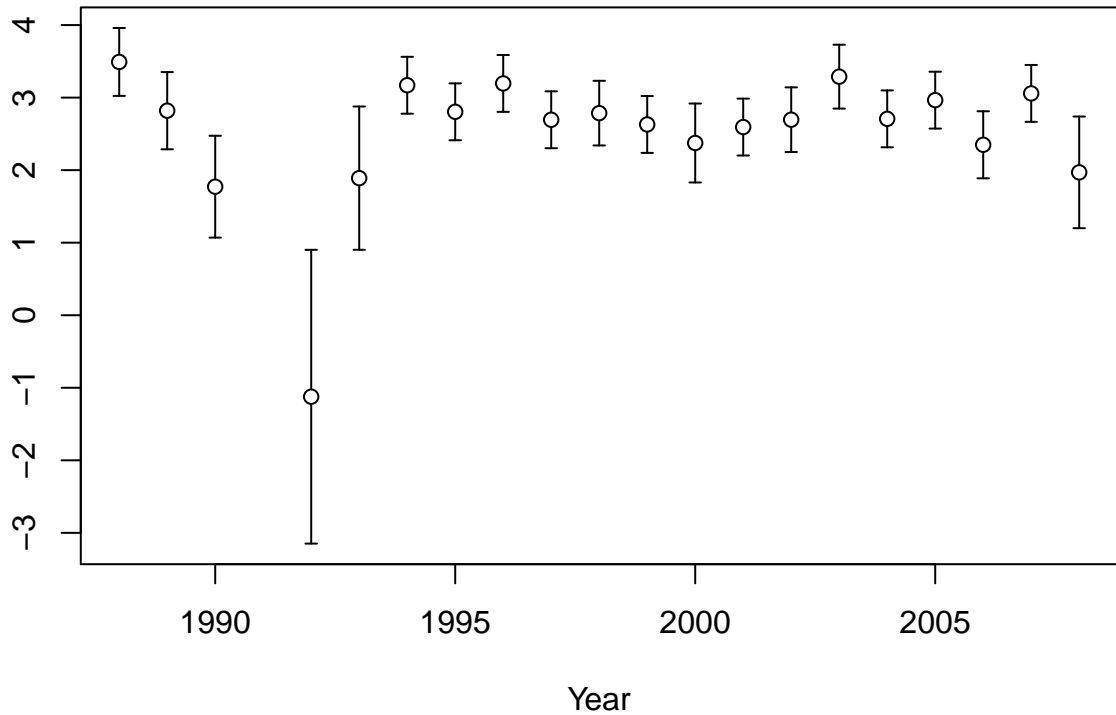




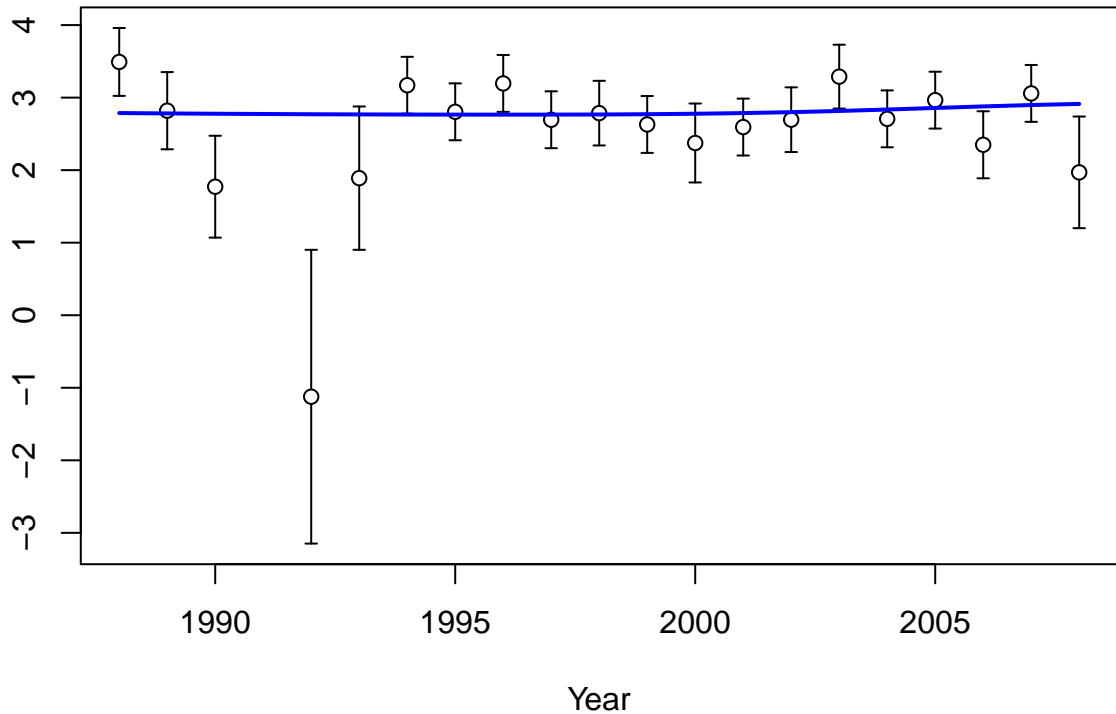


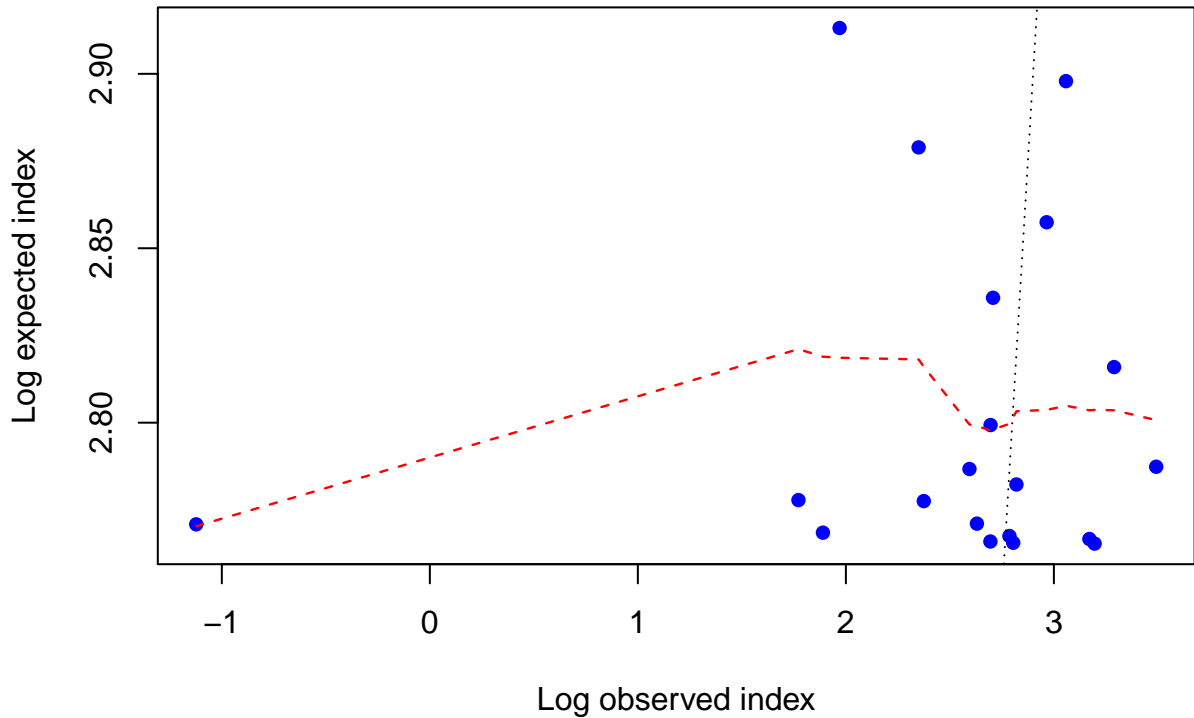


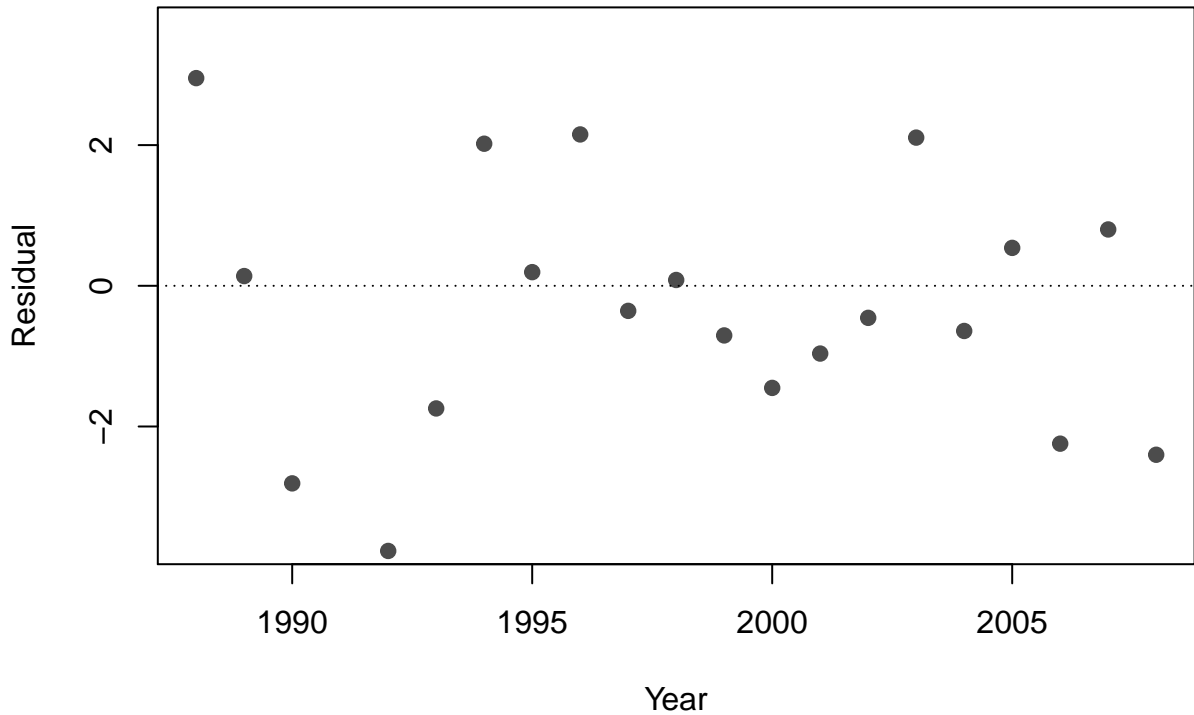
Log index



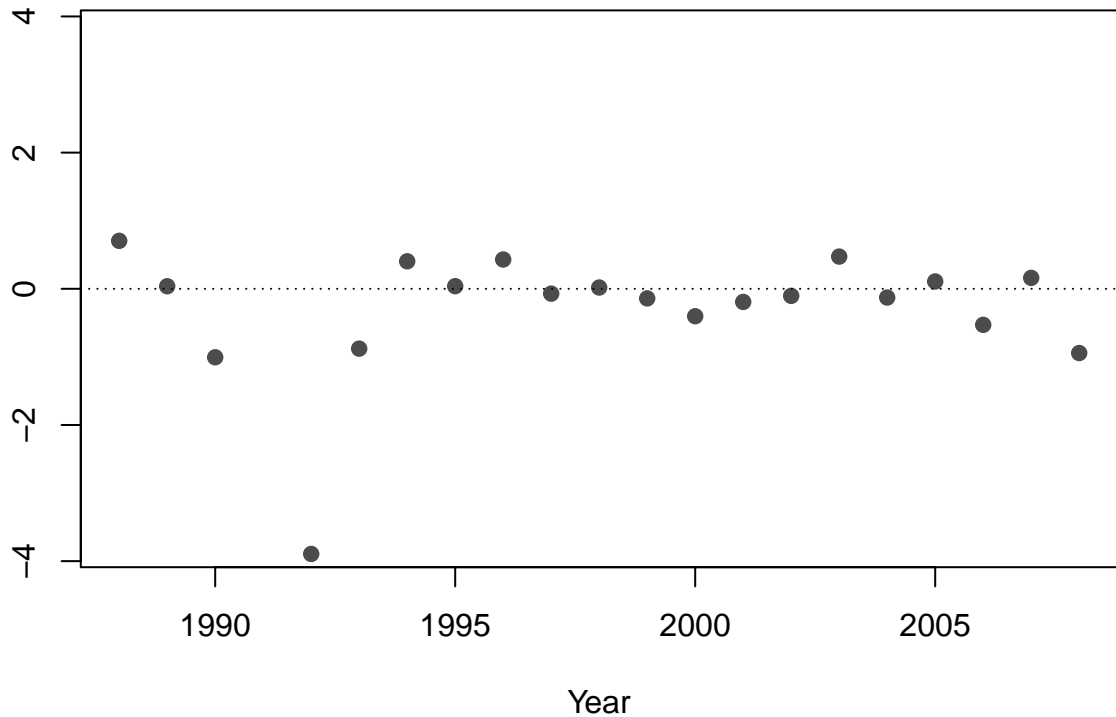
Log index

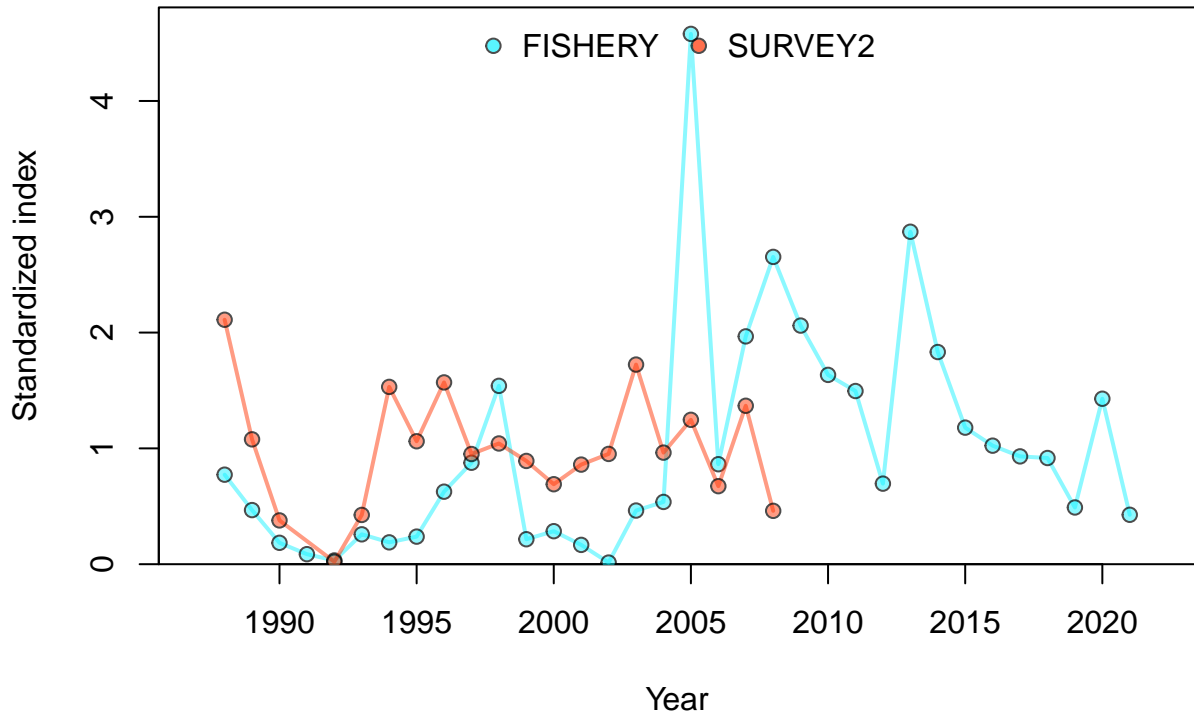


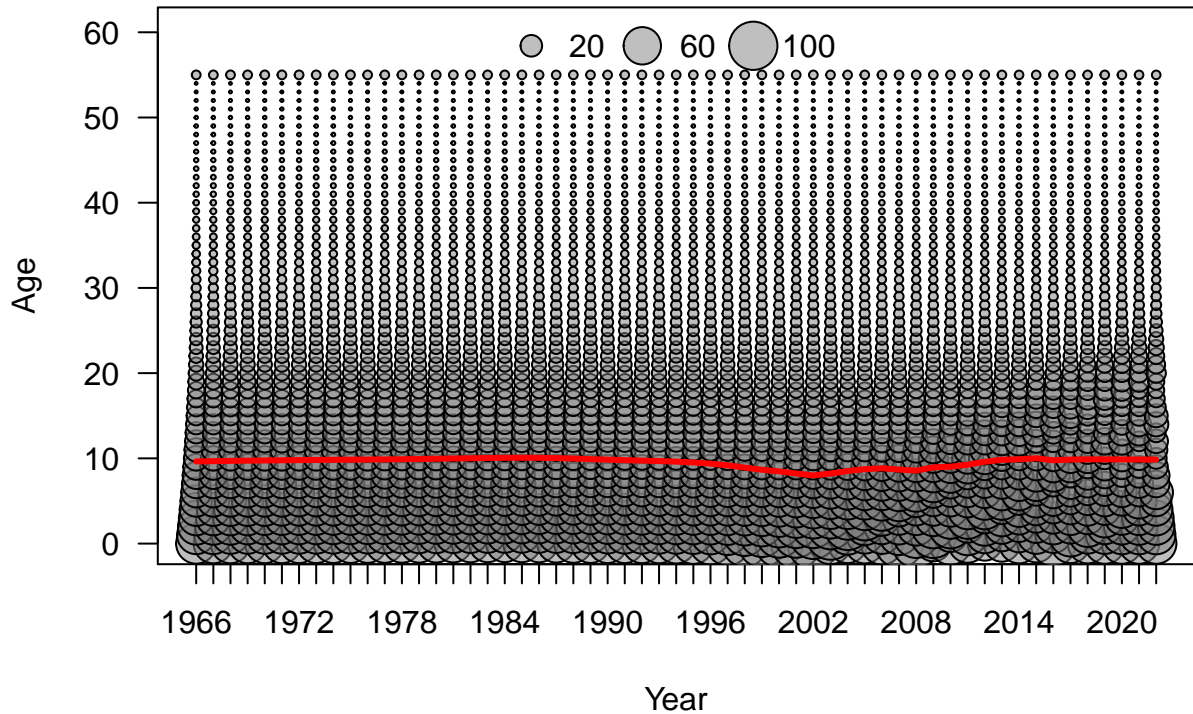


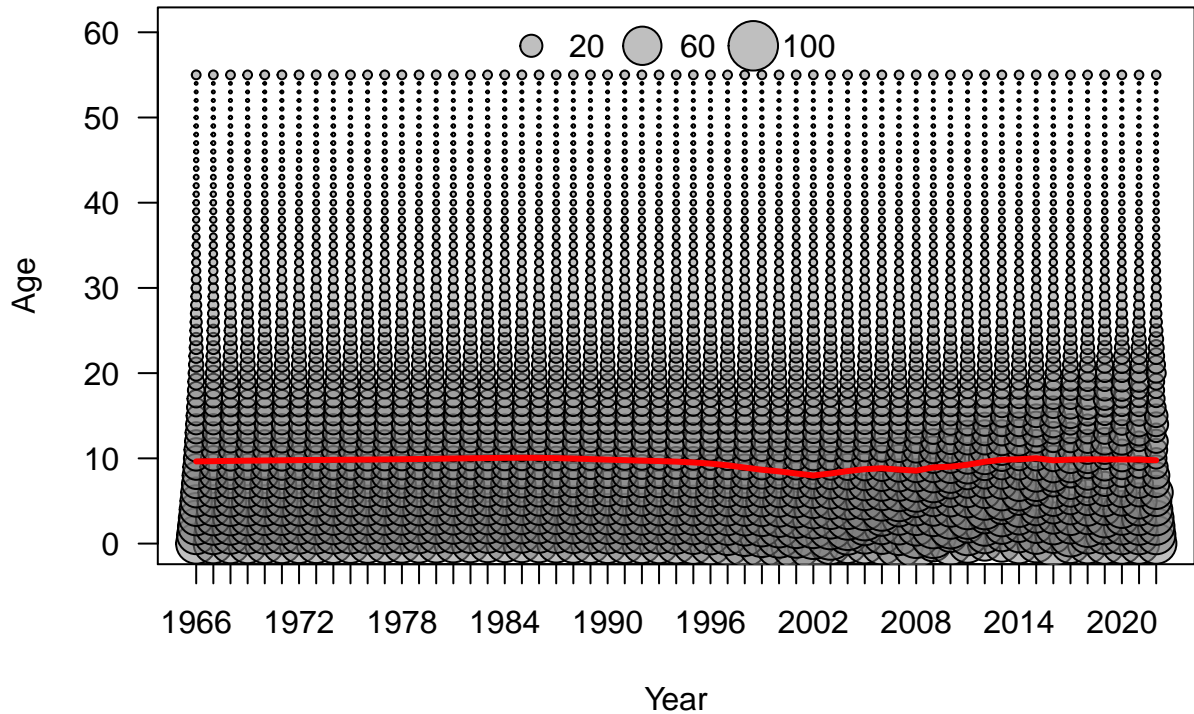


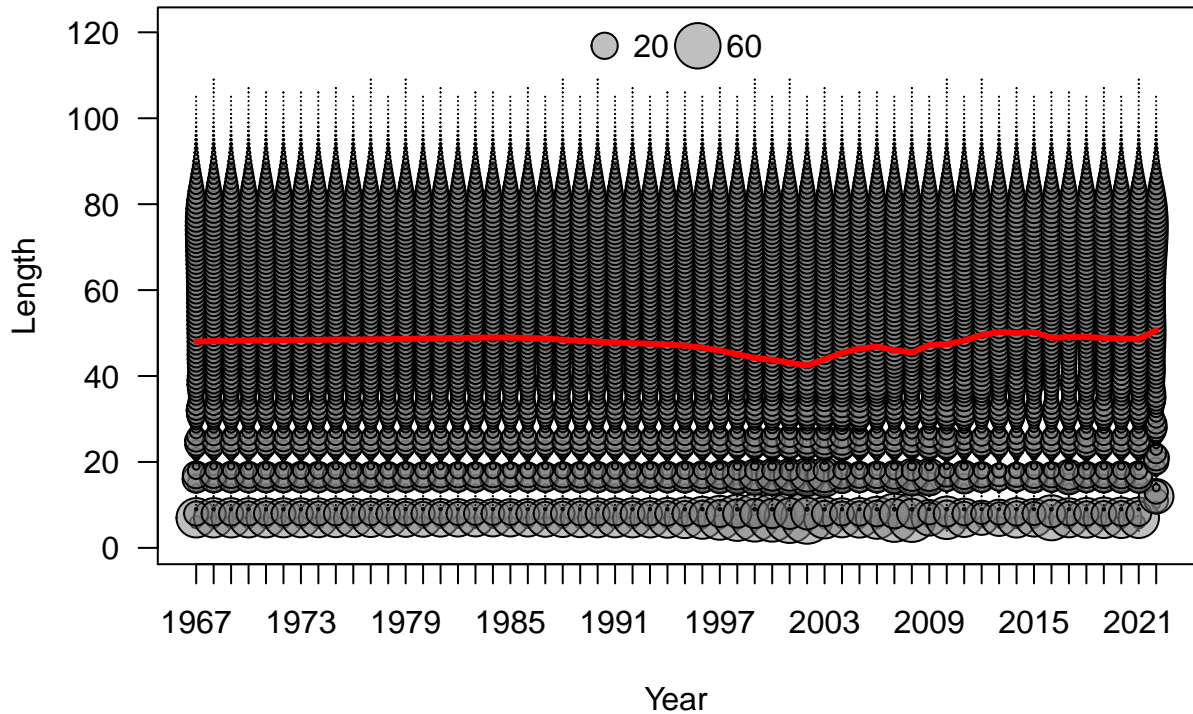
Deviation

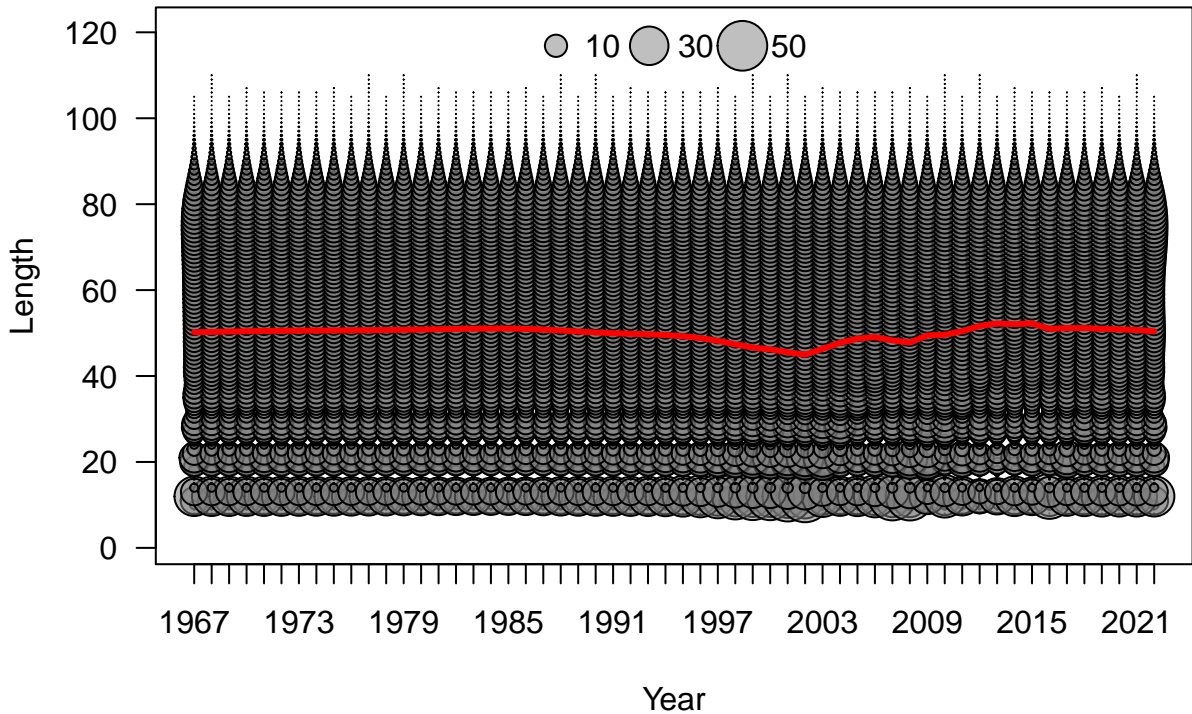


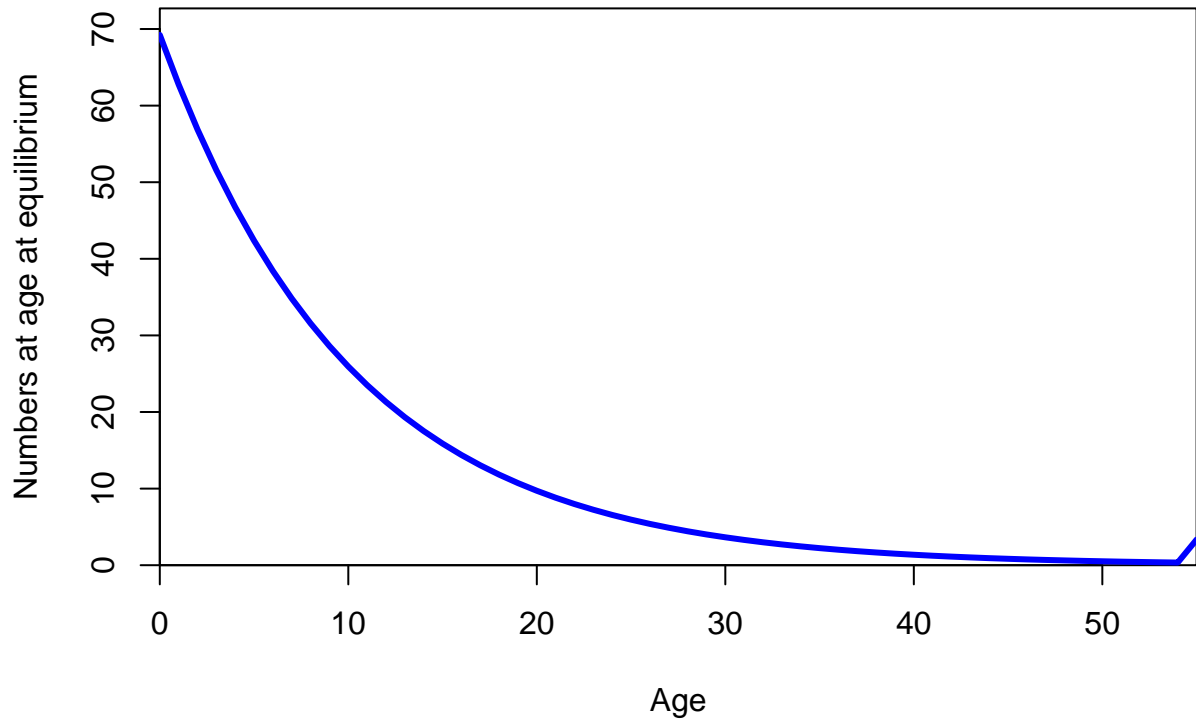






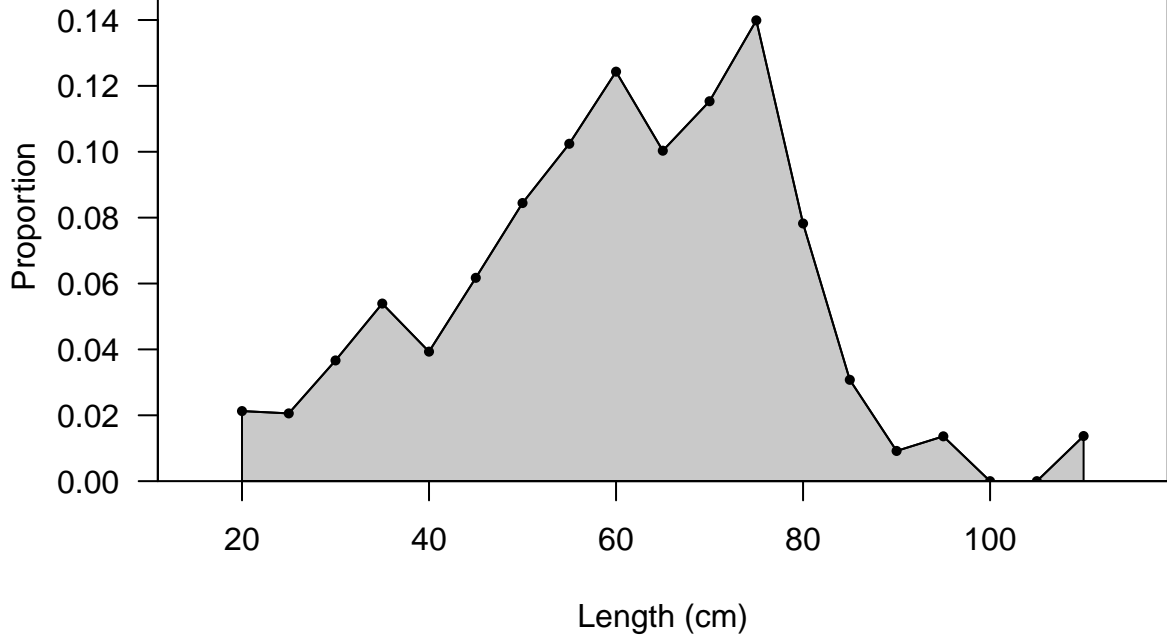






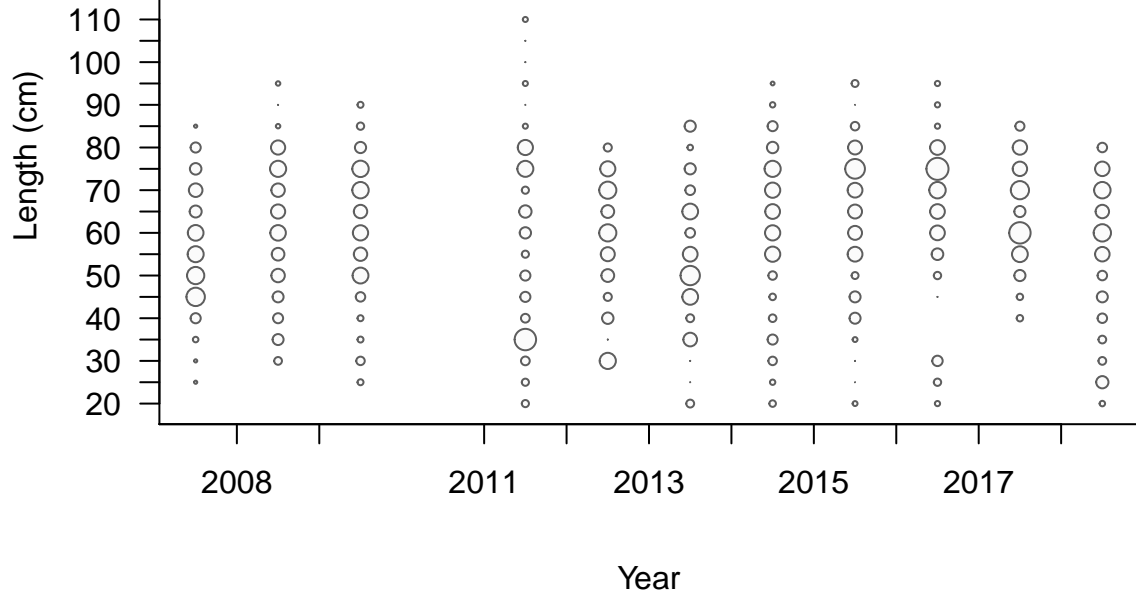
FISHERY

Sum of N adj.=285

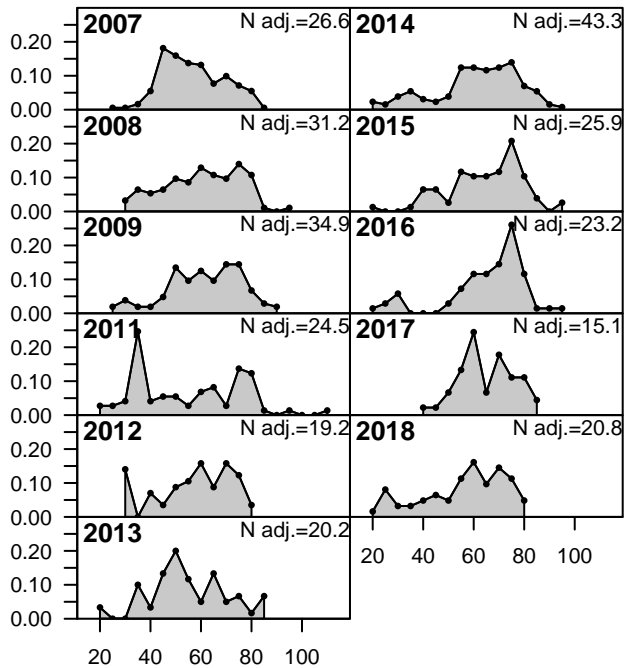


FISHERY

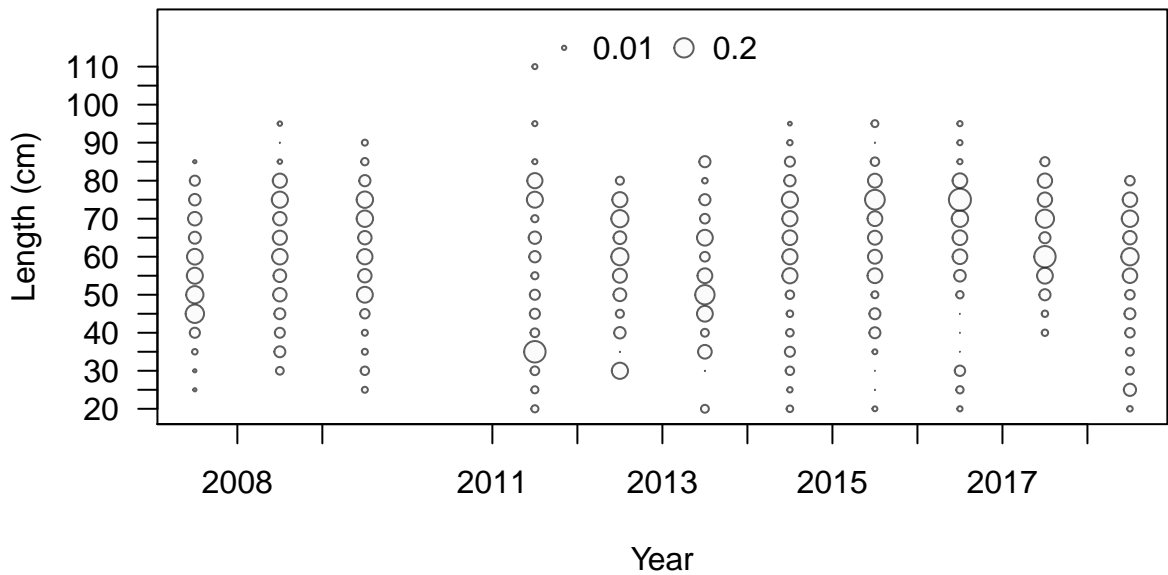
◦ 0.01 ○ 0.2



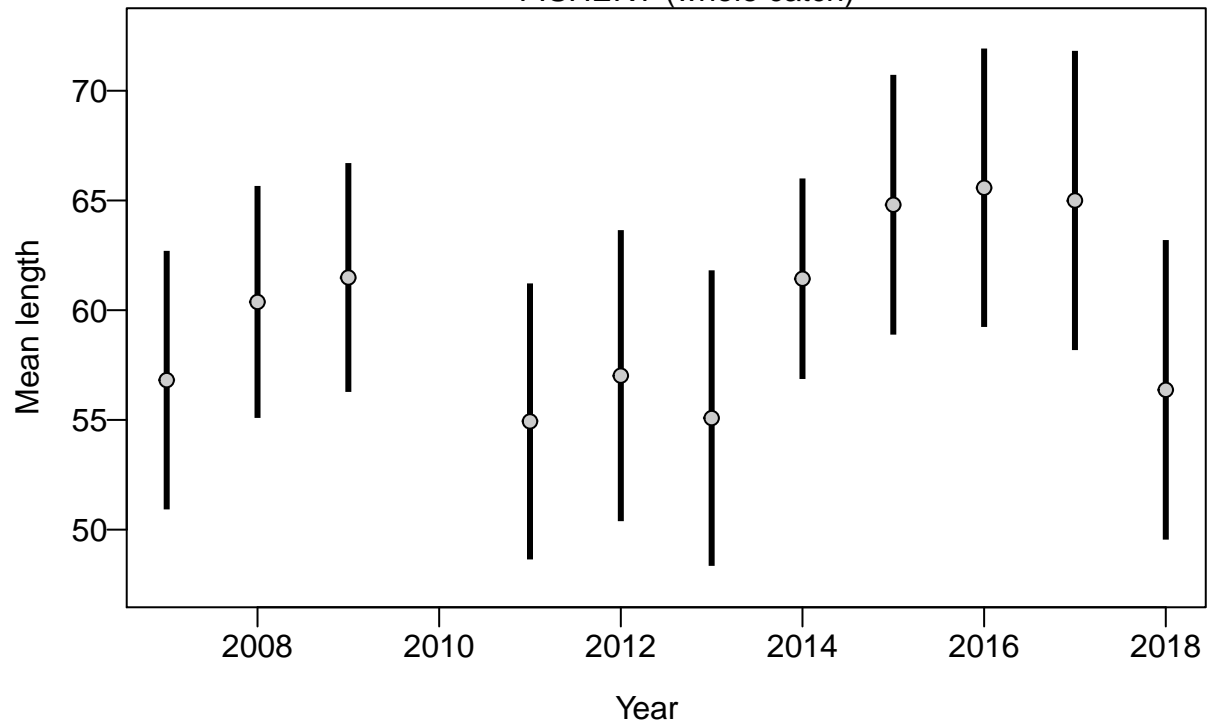
Proportion



Length (cm)

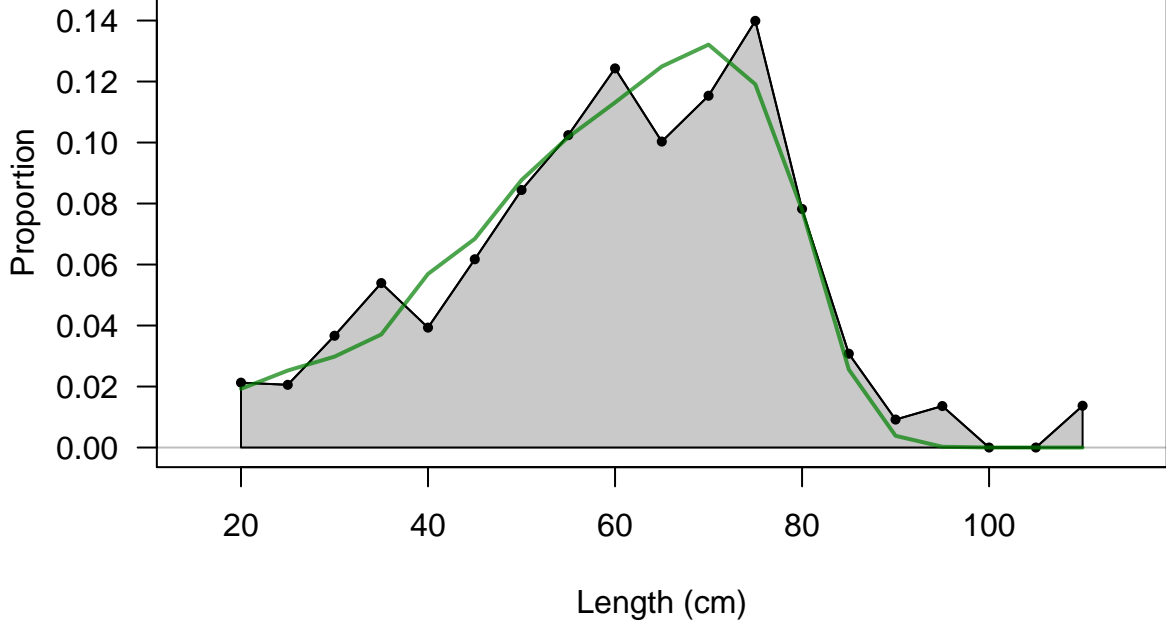


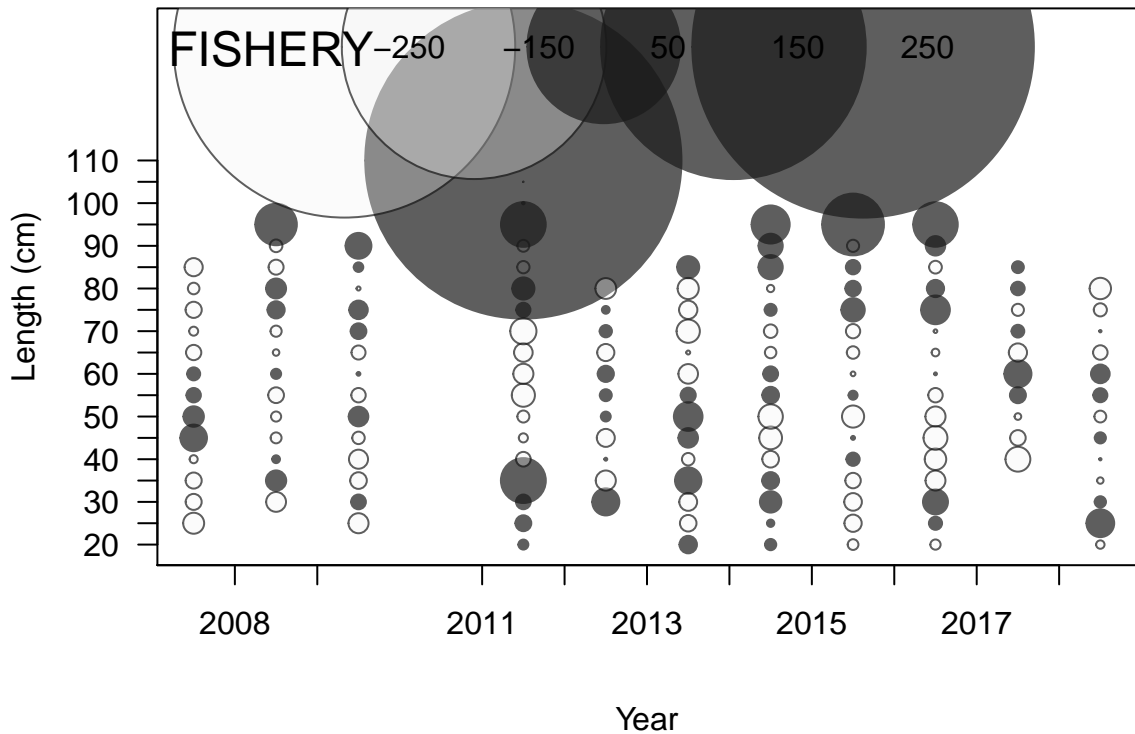
FISHERY (whole catch)



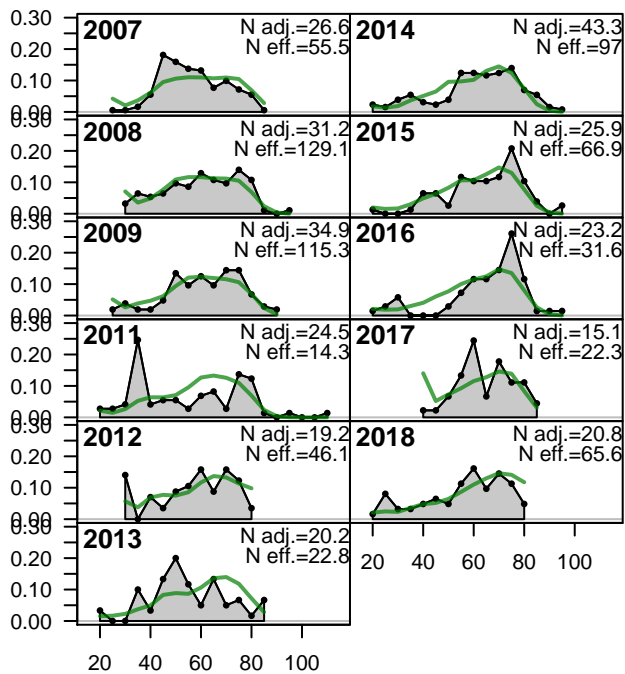
FISHERY

Sum of N adj.=285
Sum of N eff.=666.5

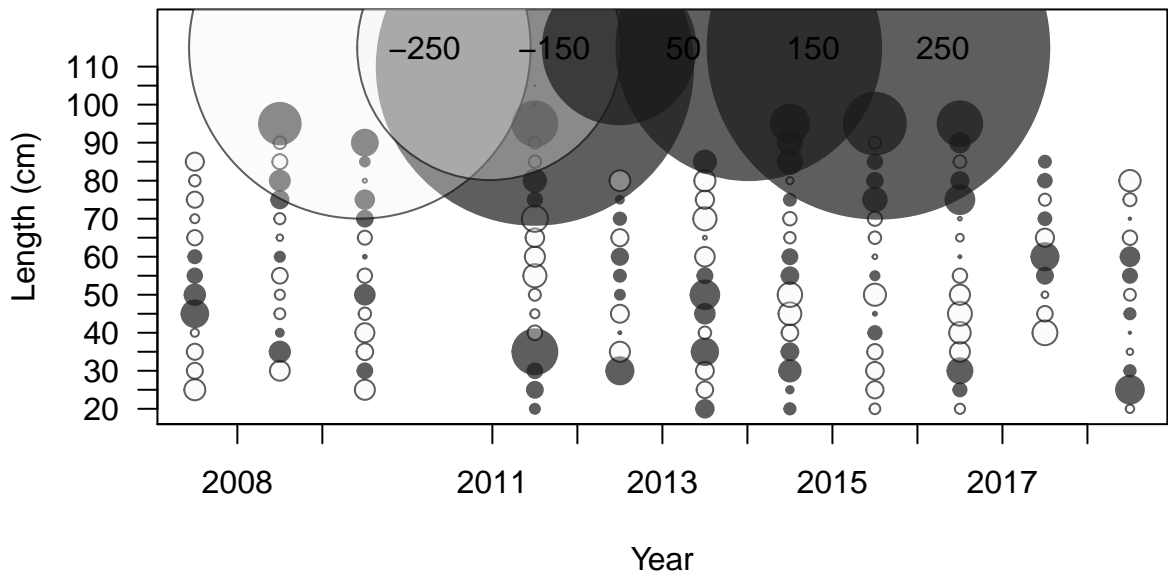


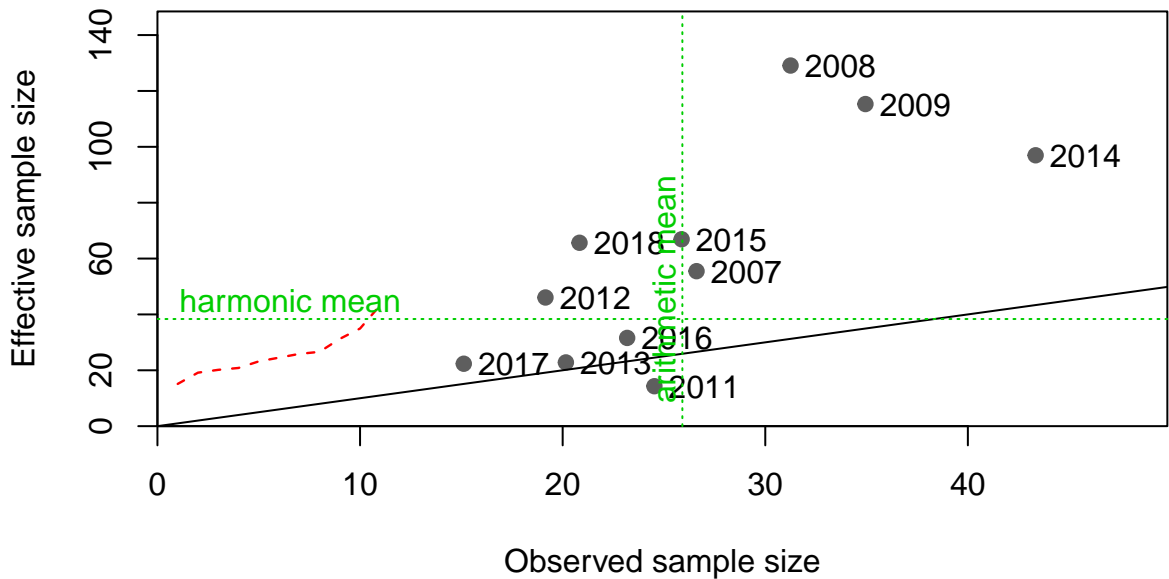


Proportion

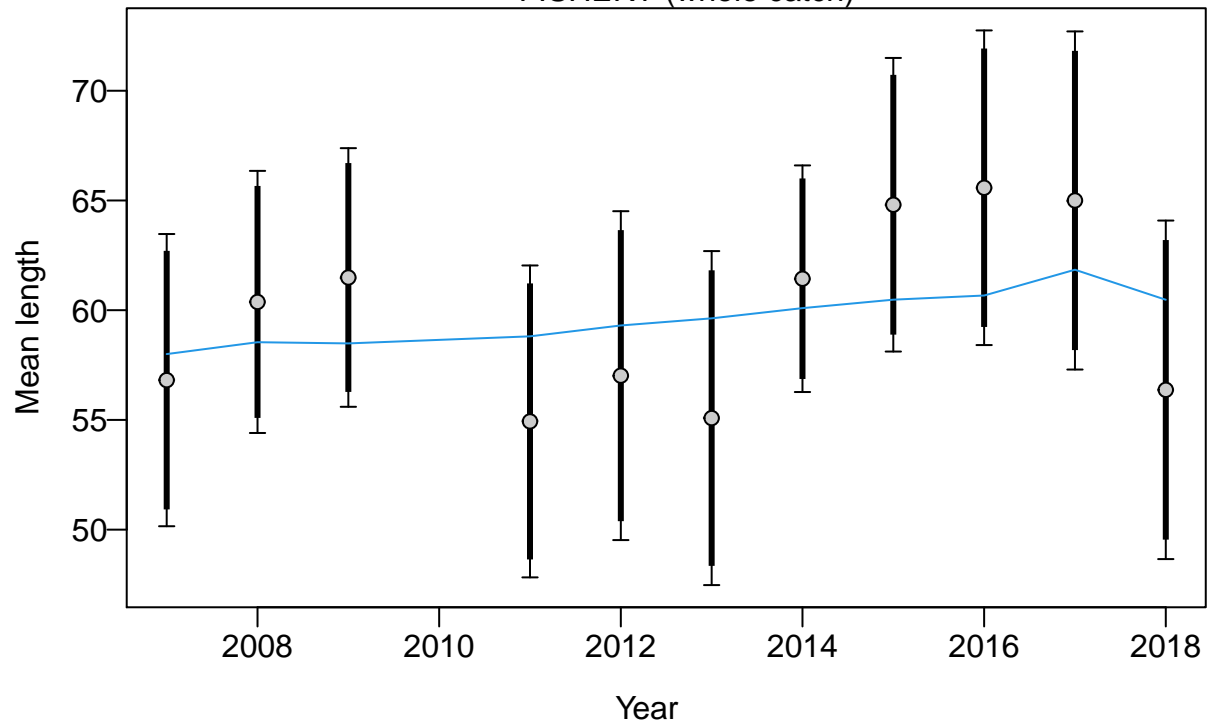


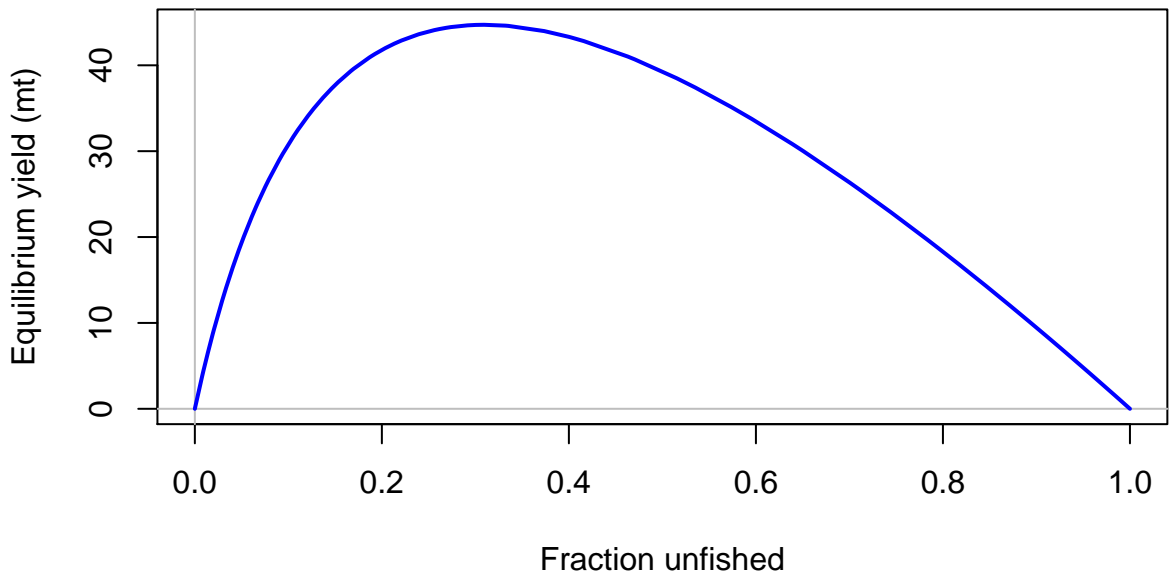
Length (cm)

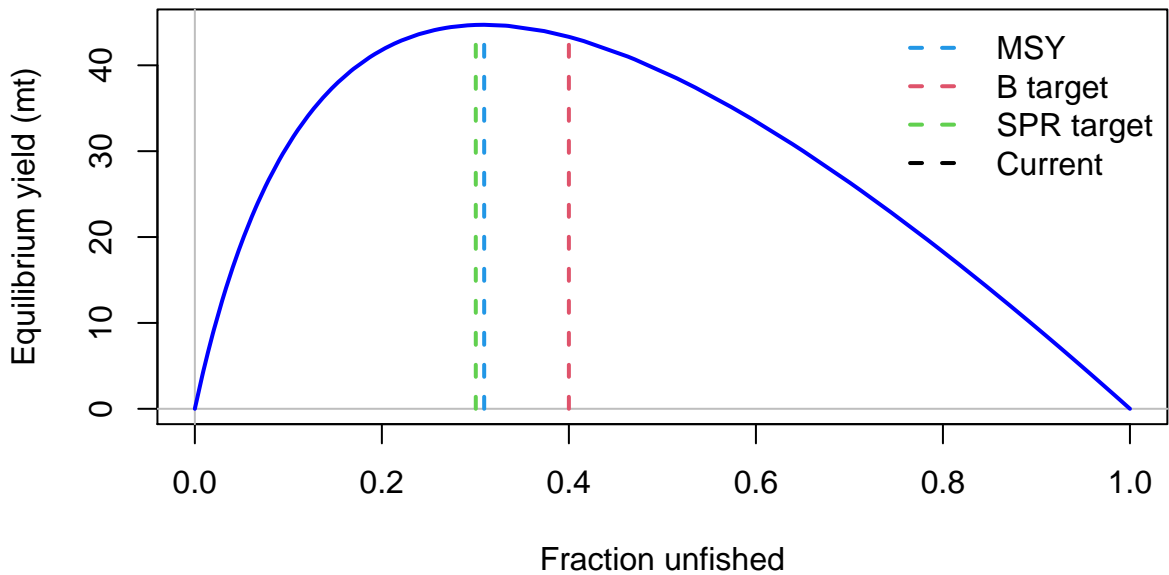


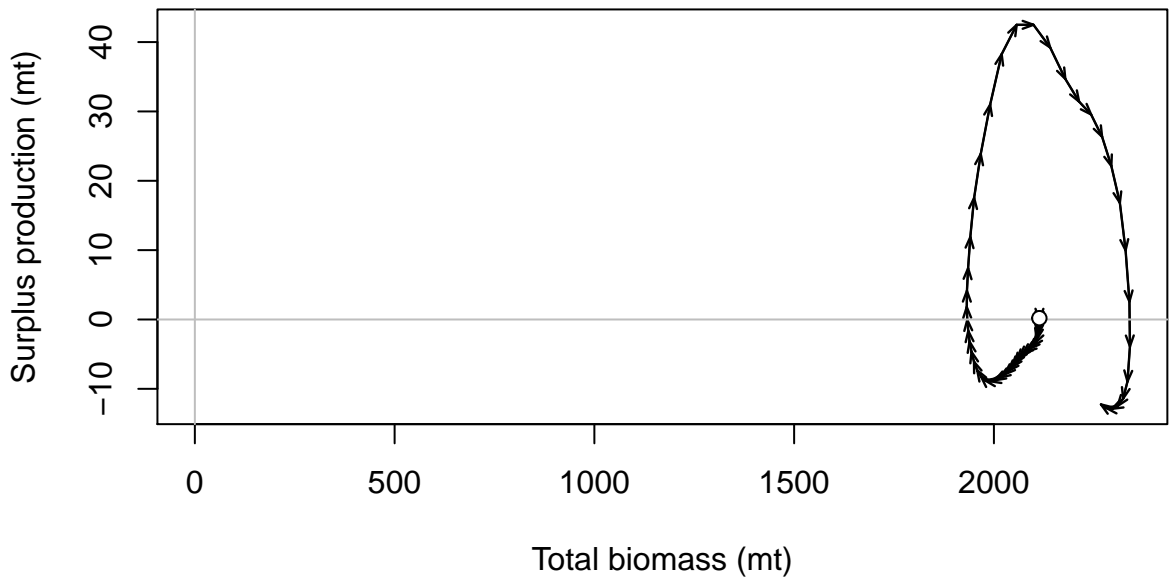


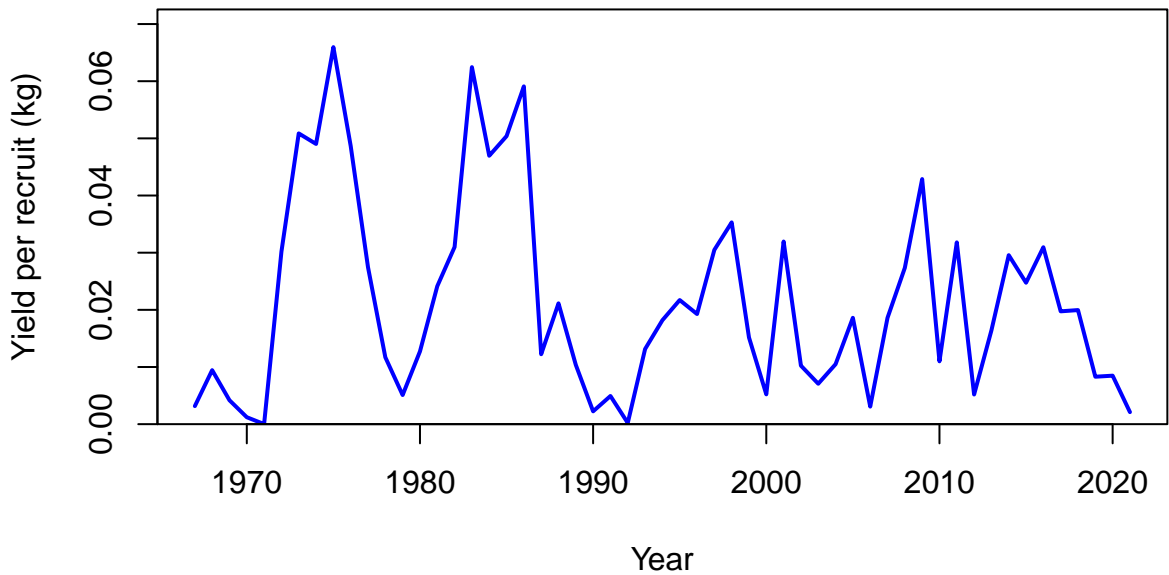
FISHERY (whole catch)

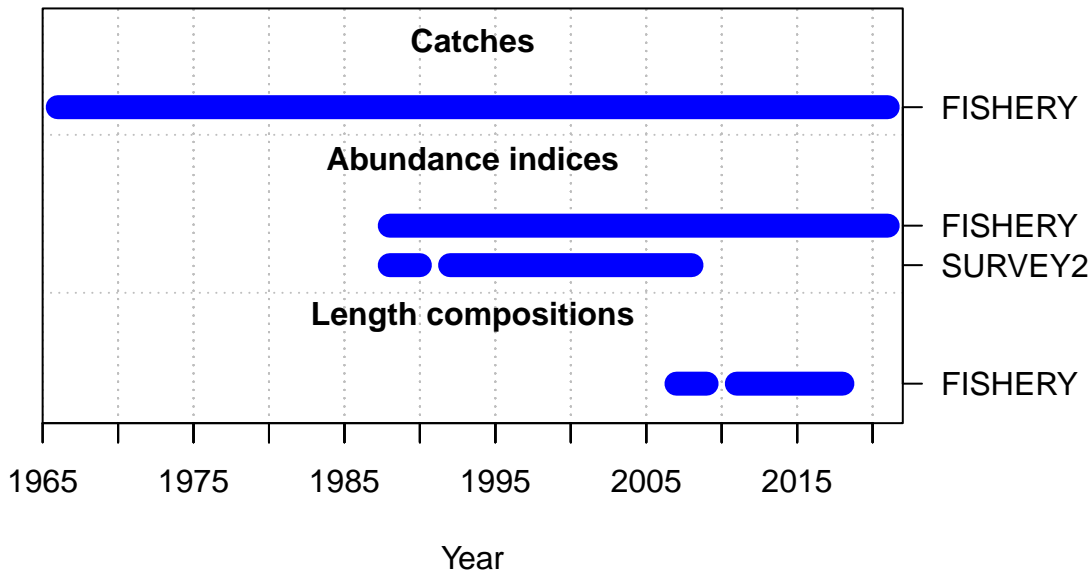


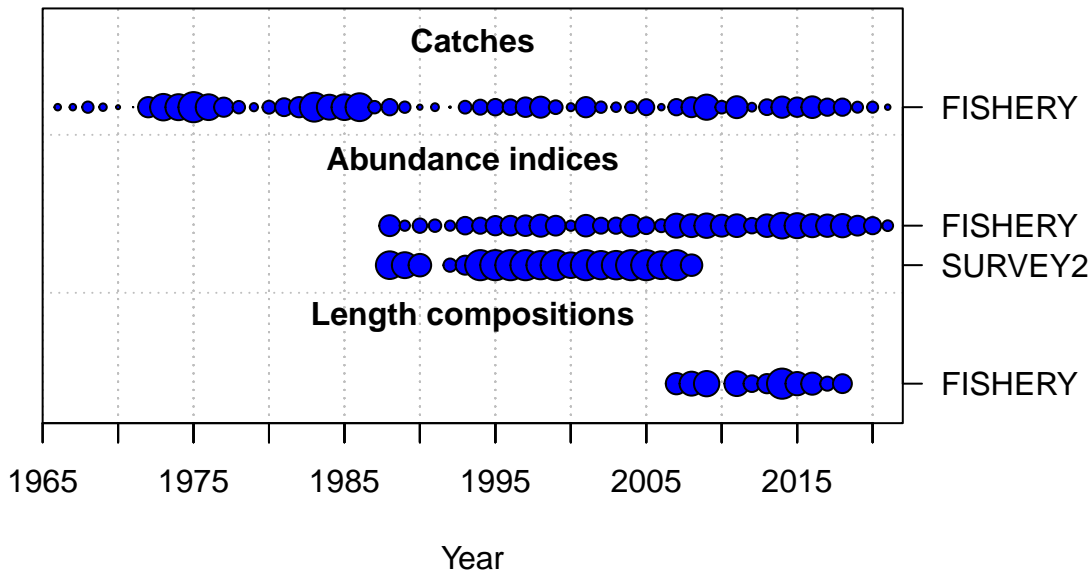






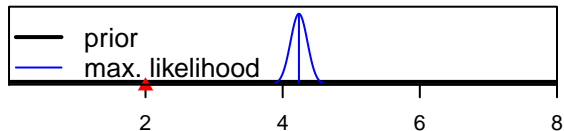




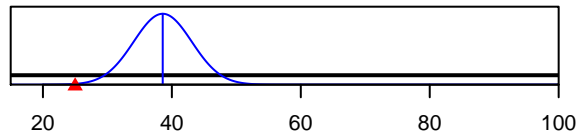


Density

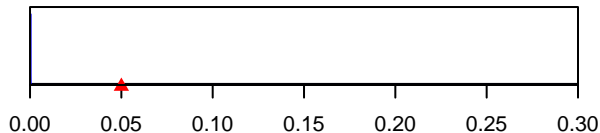
SR_LN(R0)



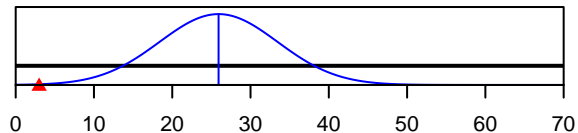
Size_inflection_FISHERY(1)



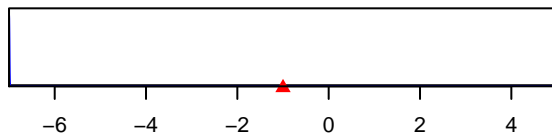
InitF_seas_1_flt_1FISHERY



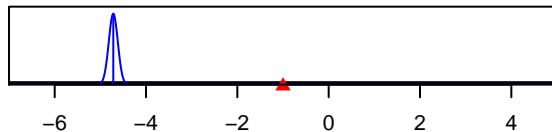
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value