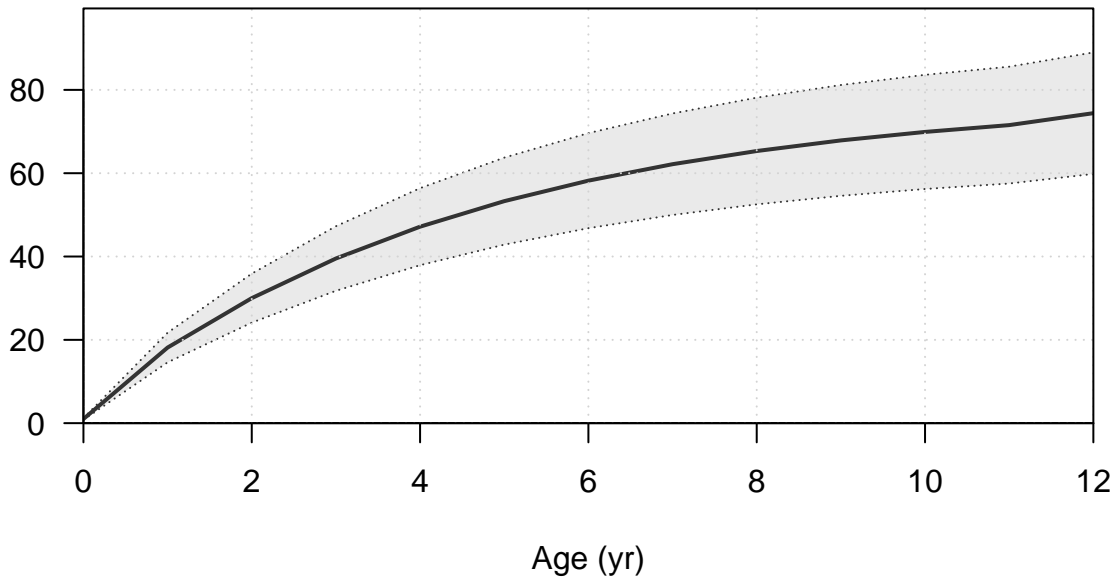
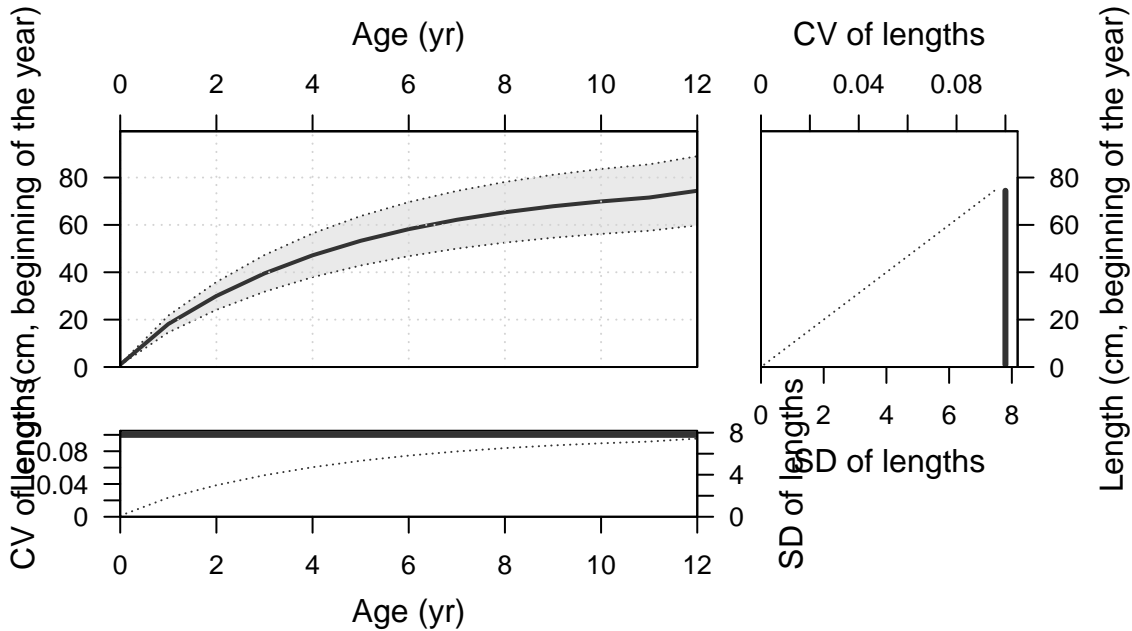
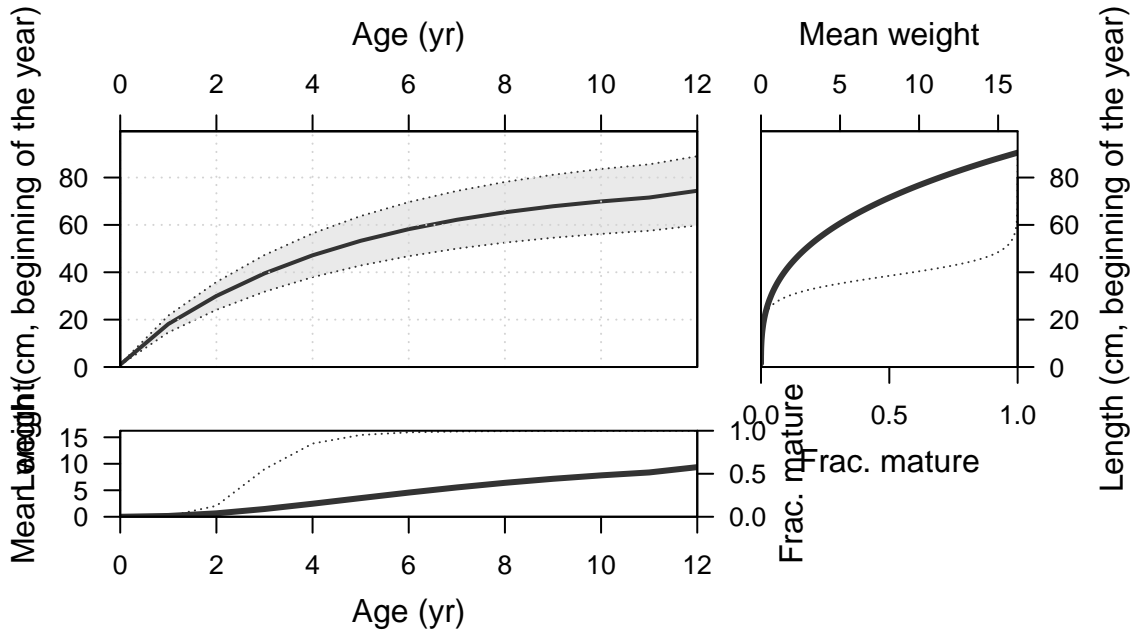


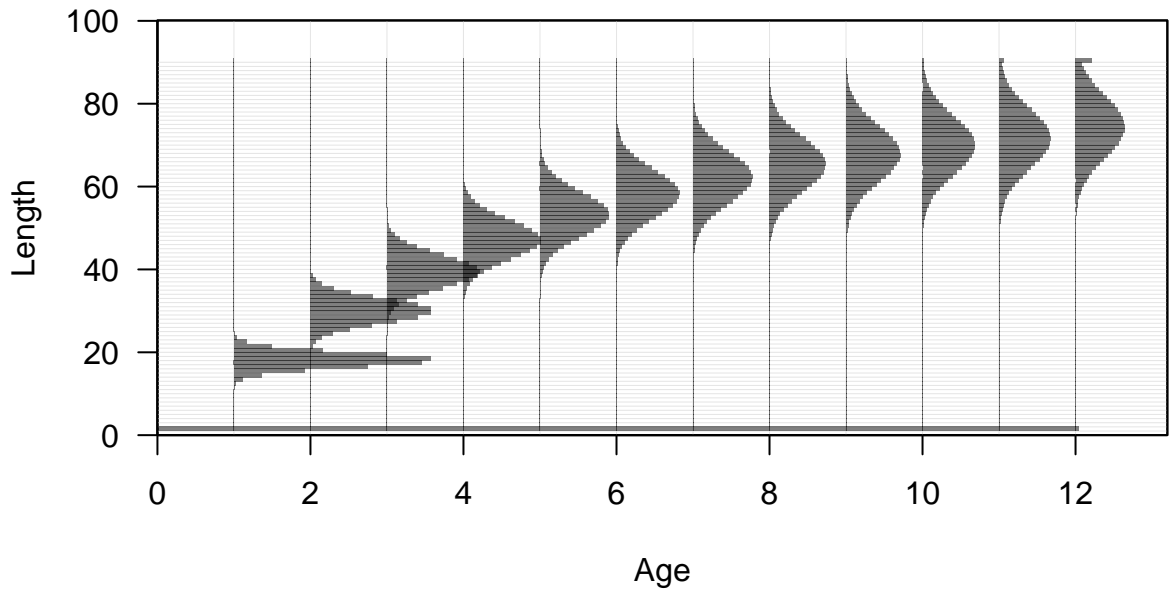
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Jul 12 08:12:59 2022
Data_File: data.ss
Control_File: control.ss

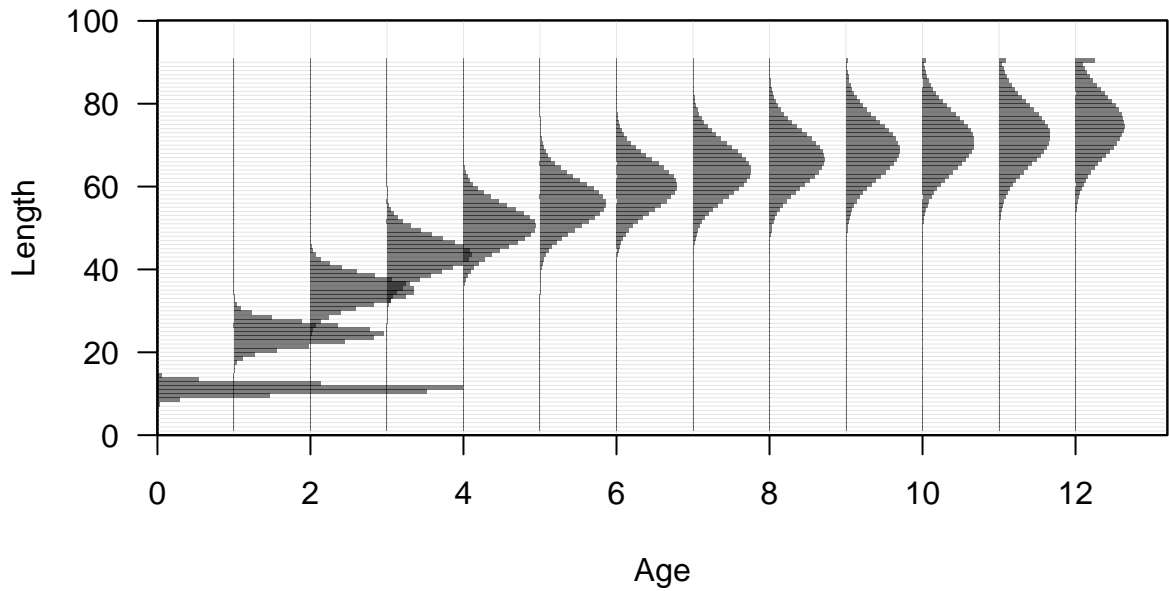
Length (cm, beginning of the year)

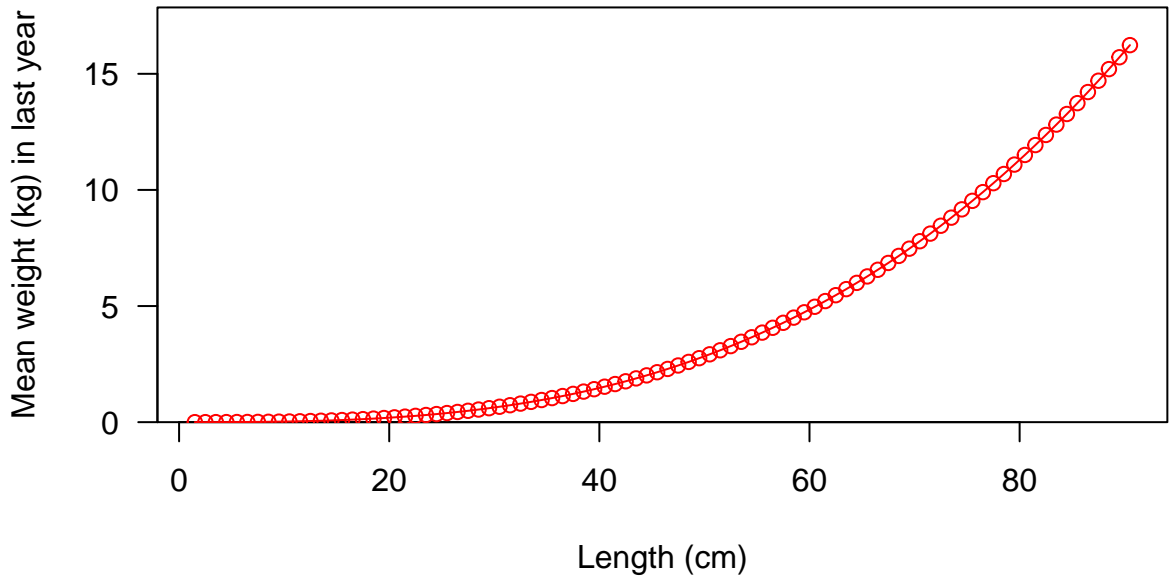


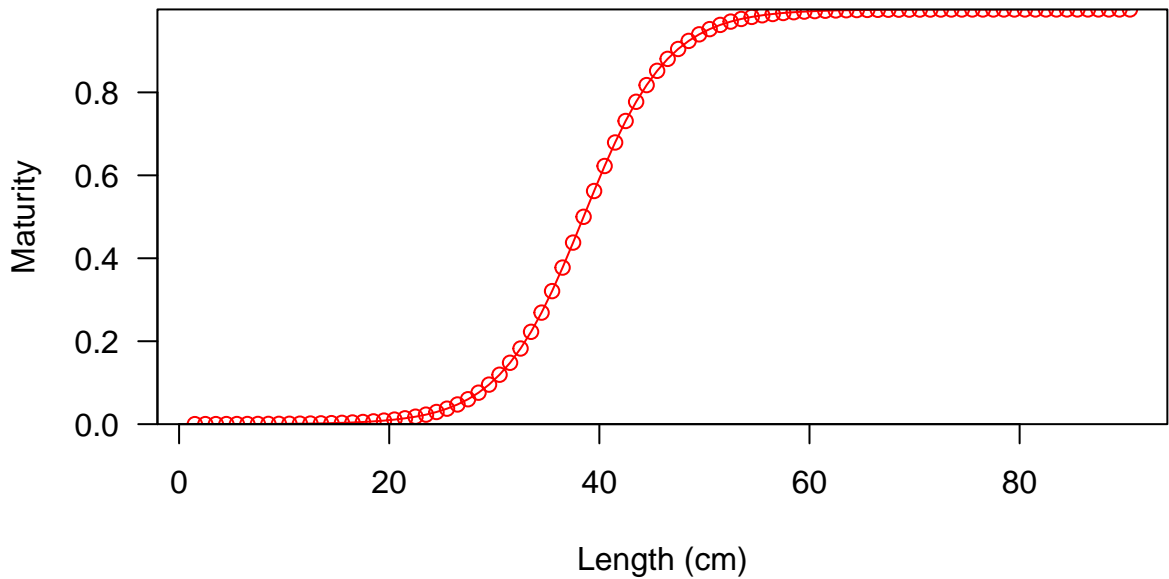


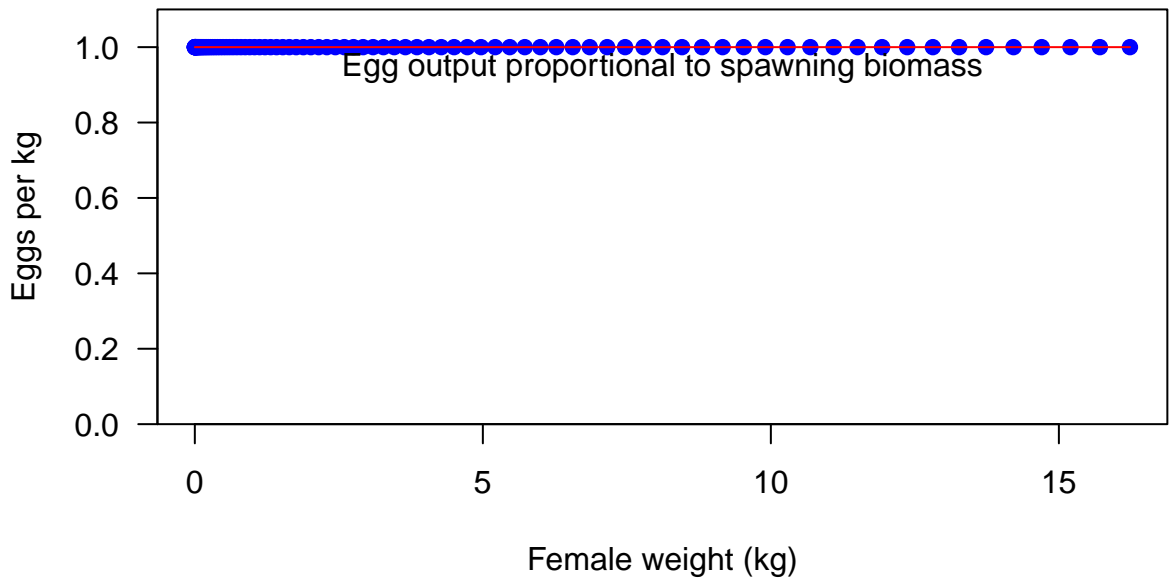




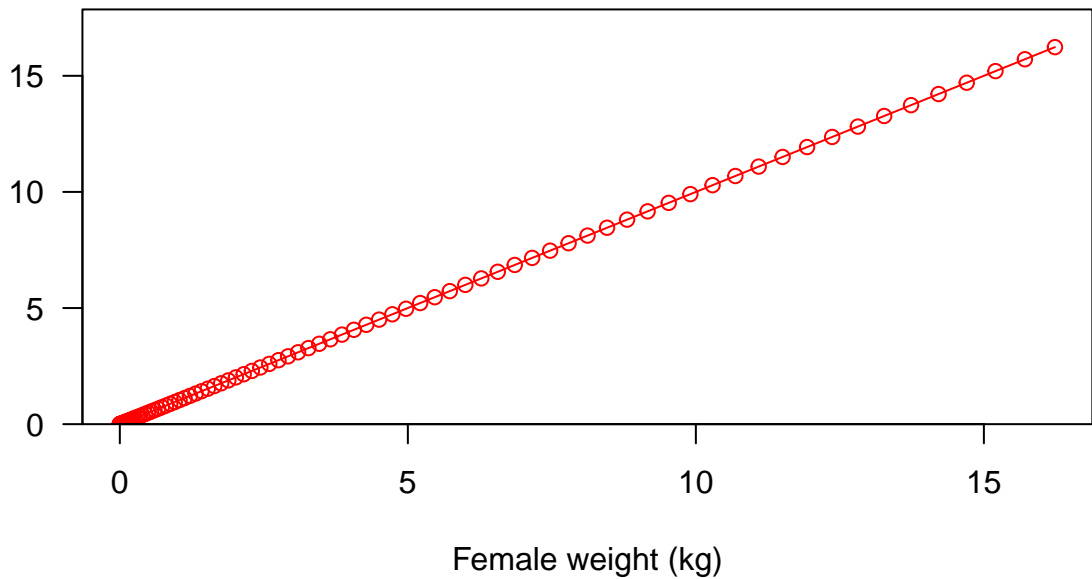




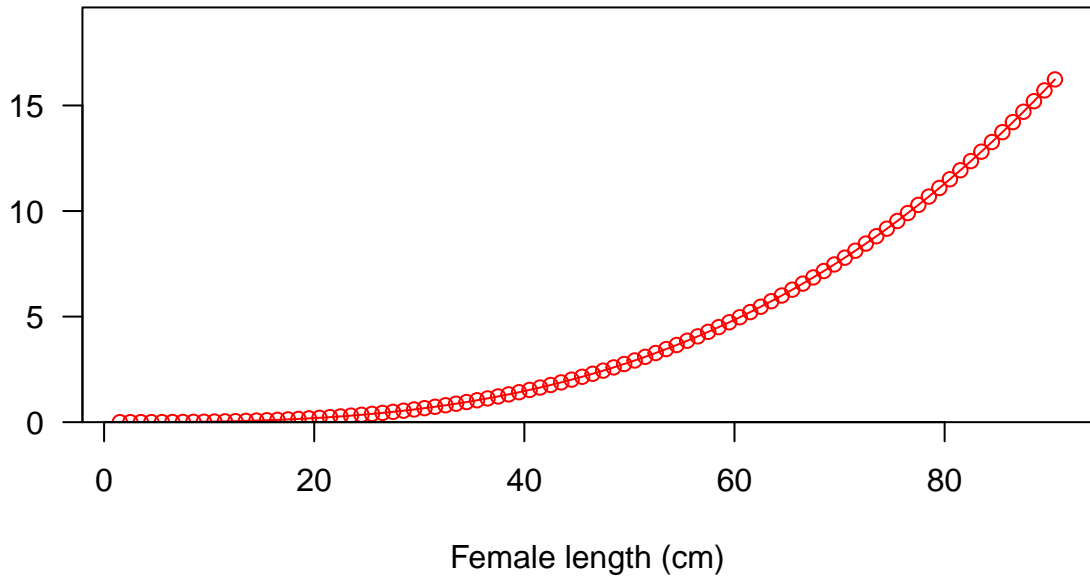


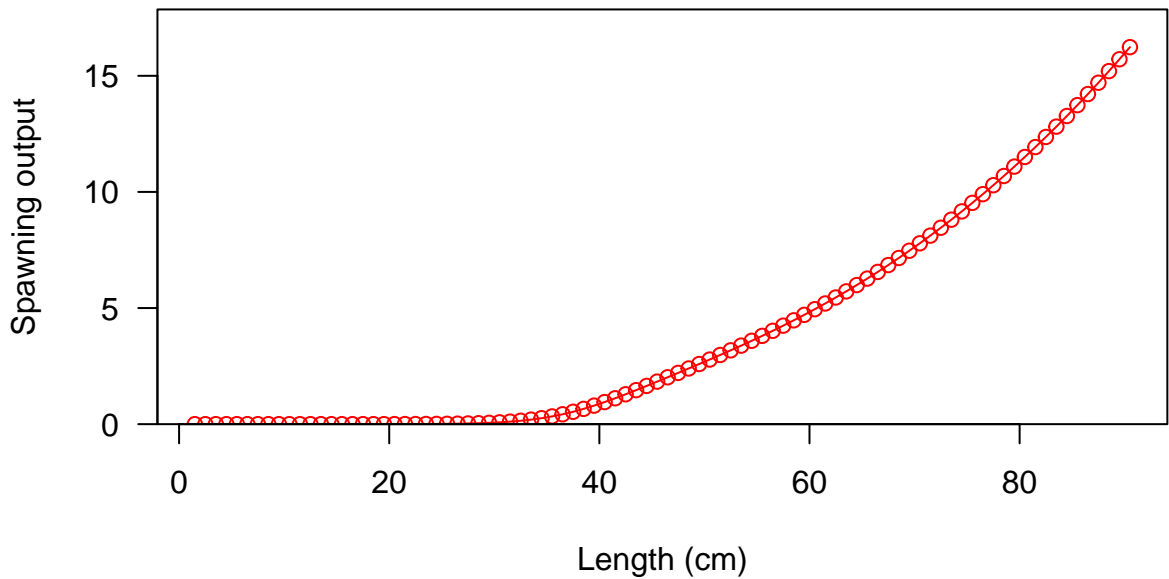


Fecundity

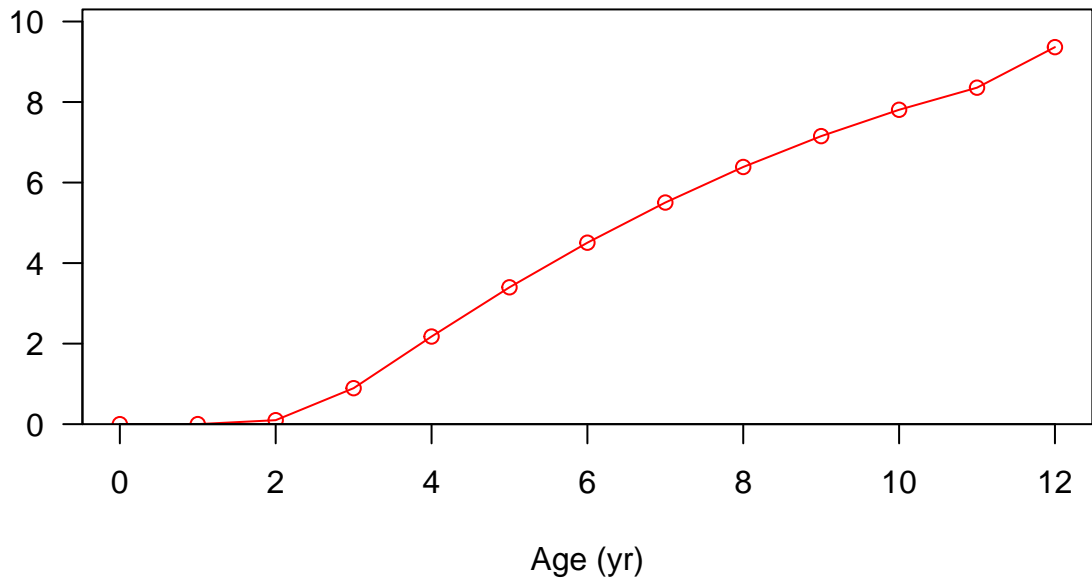


Fecundity

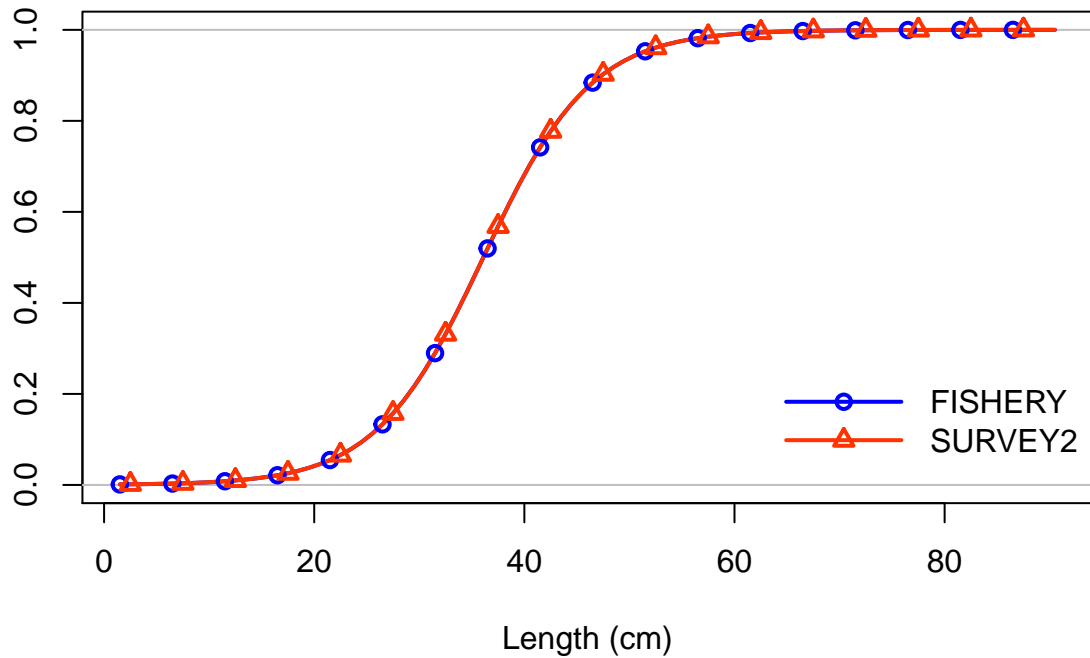




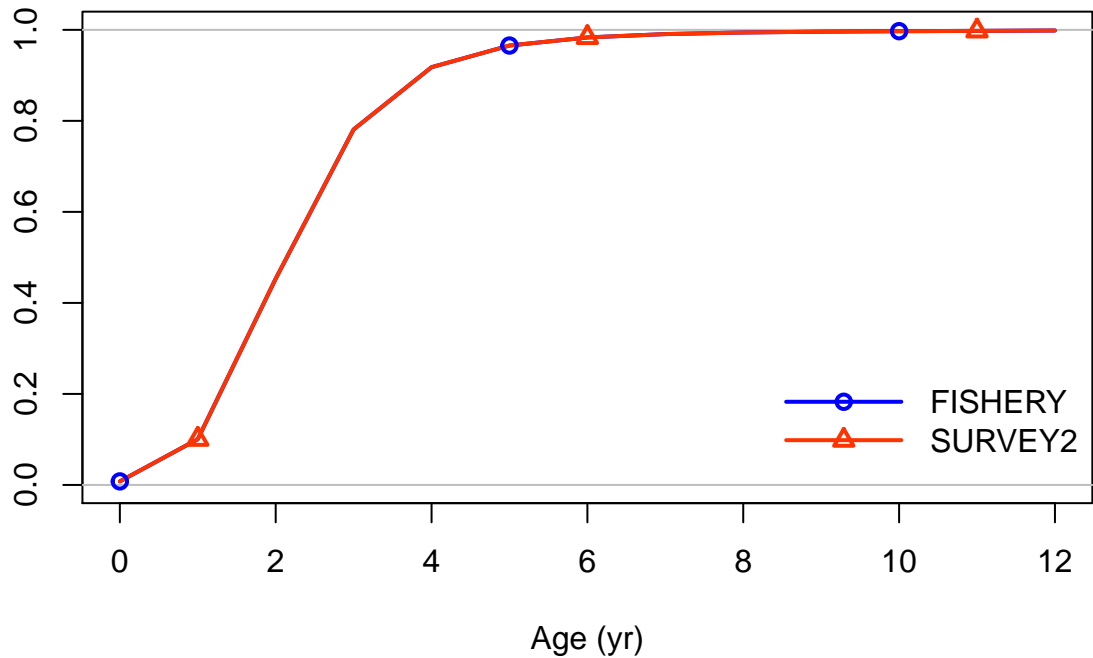
Spawning output



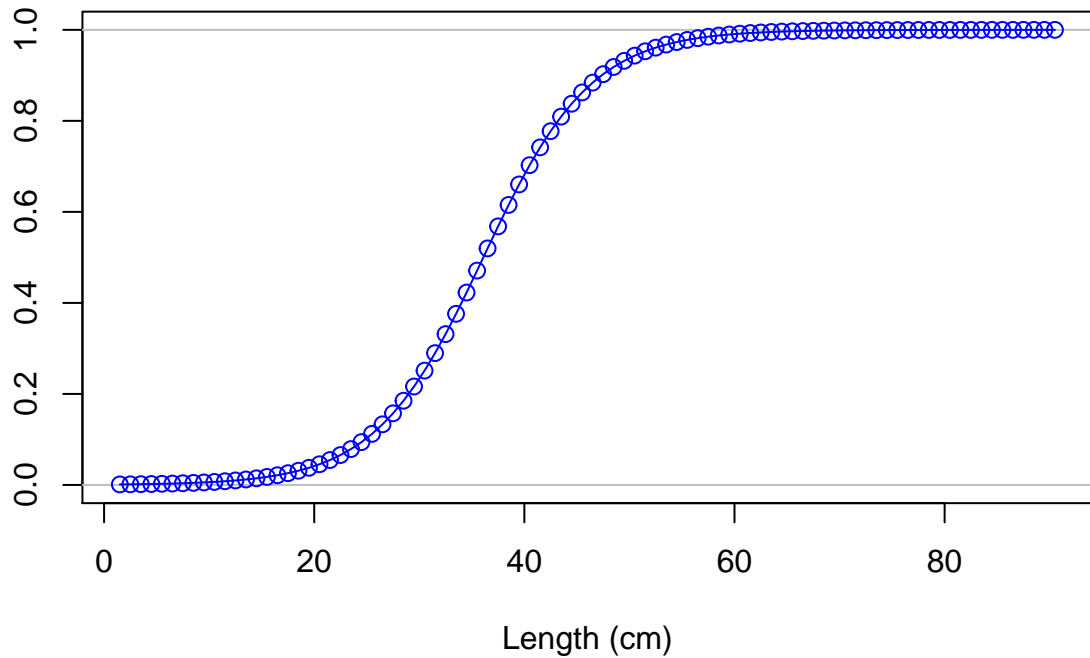
Selectivity



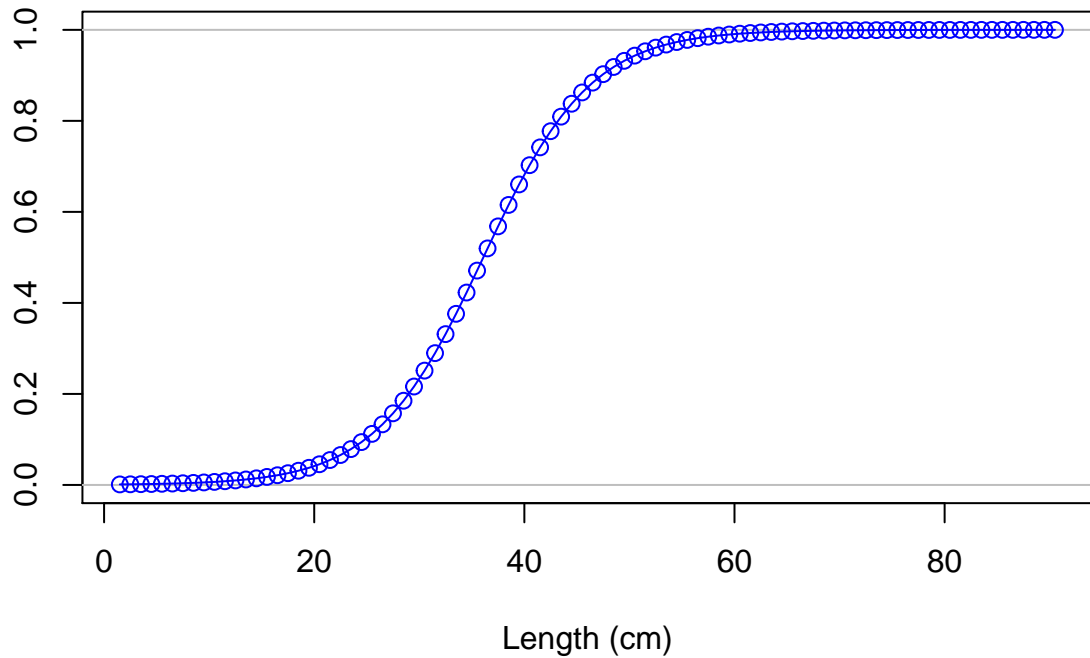
Selectivity

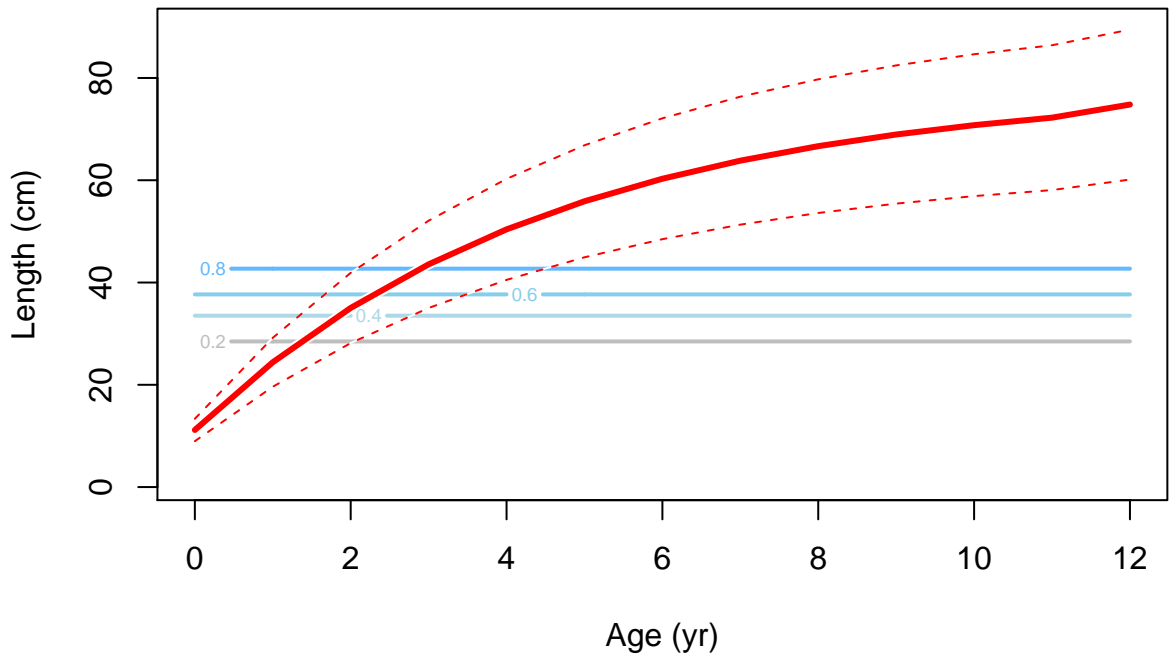


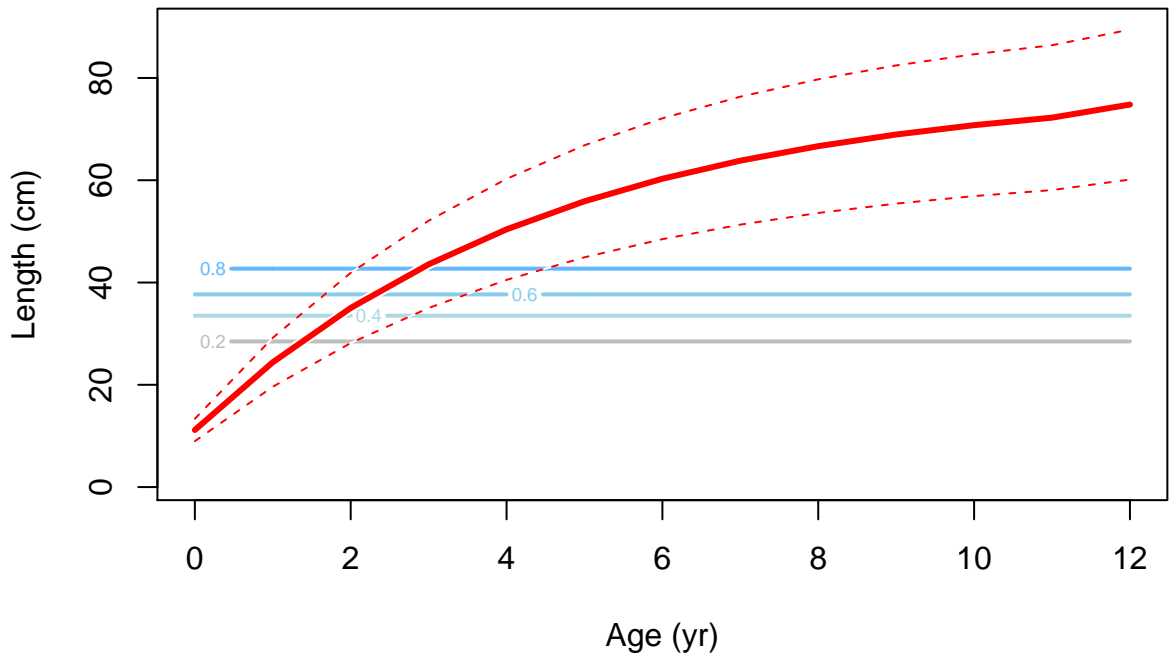
Selectivity



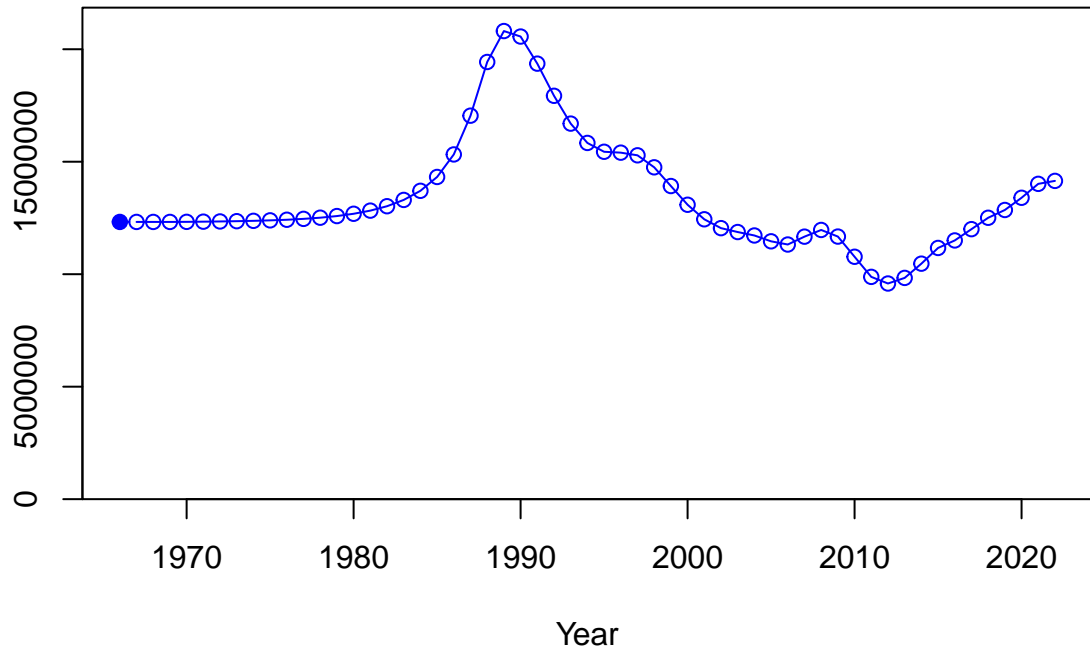
Selectivity



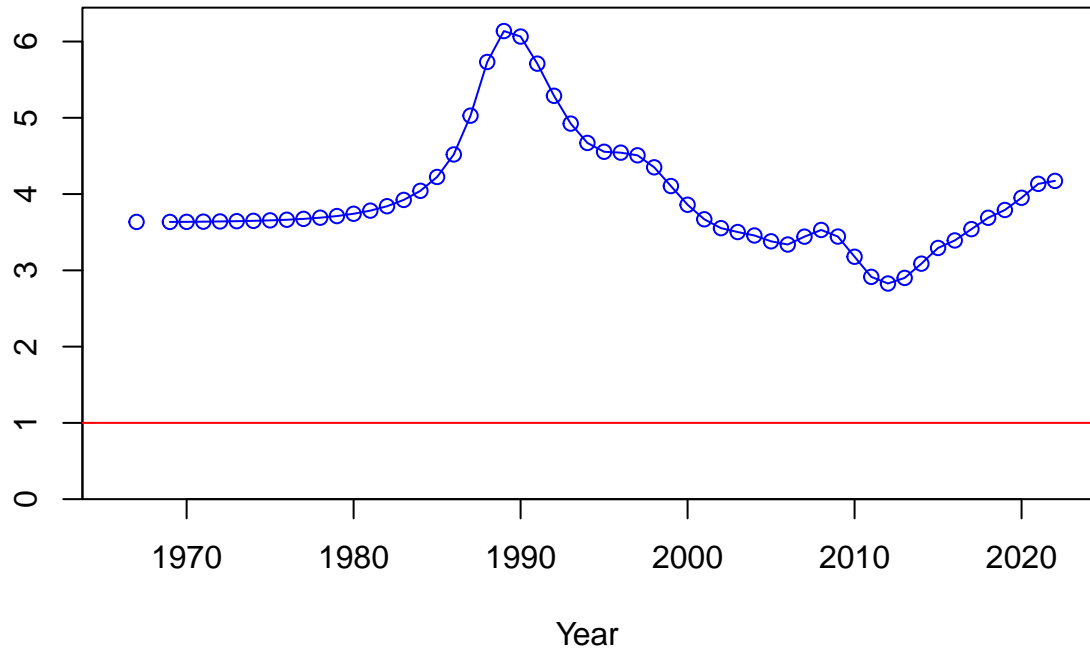


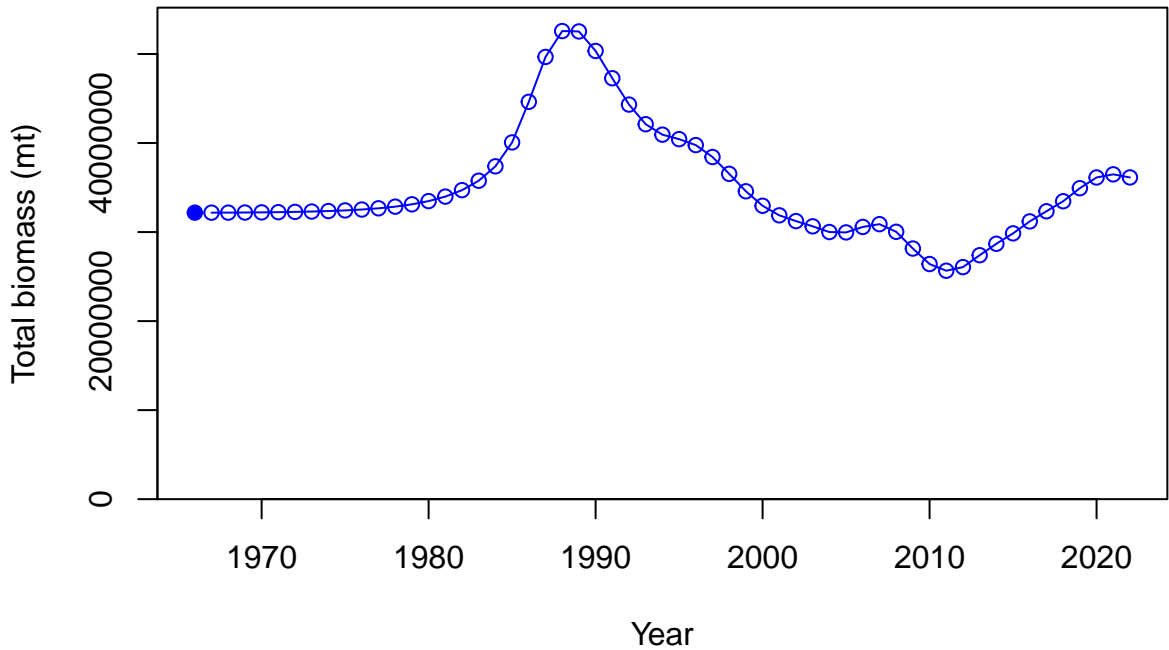


Spawning biomass (mt)

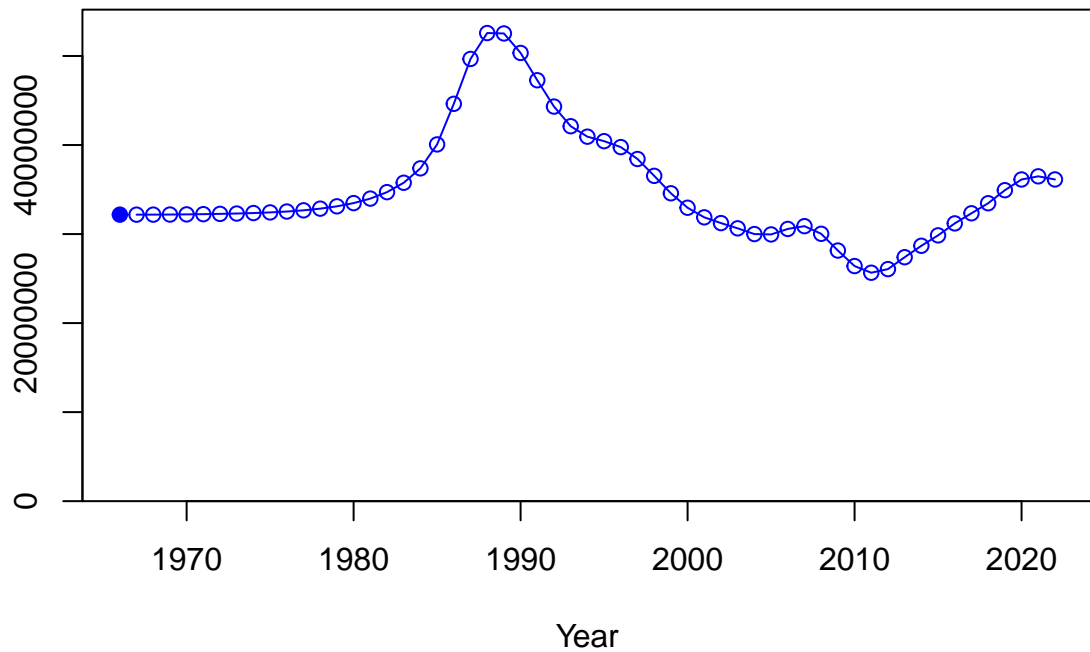


Relative spawning biomass: B/B_{MSY}

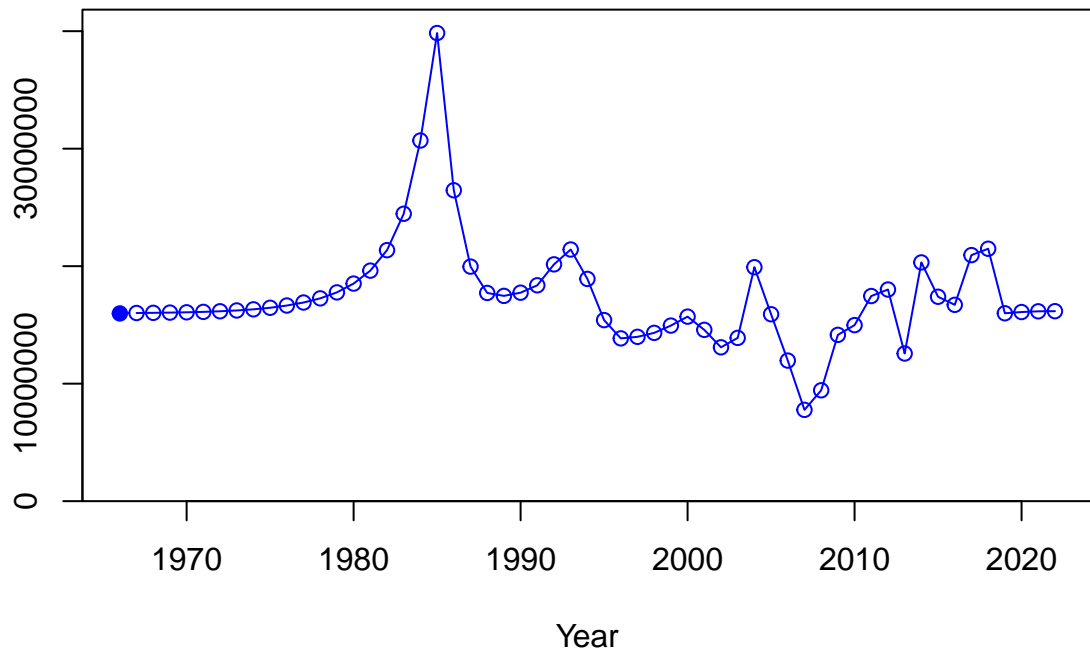




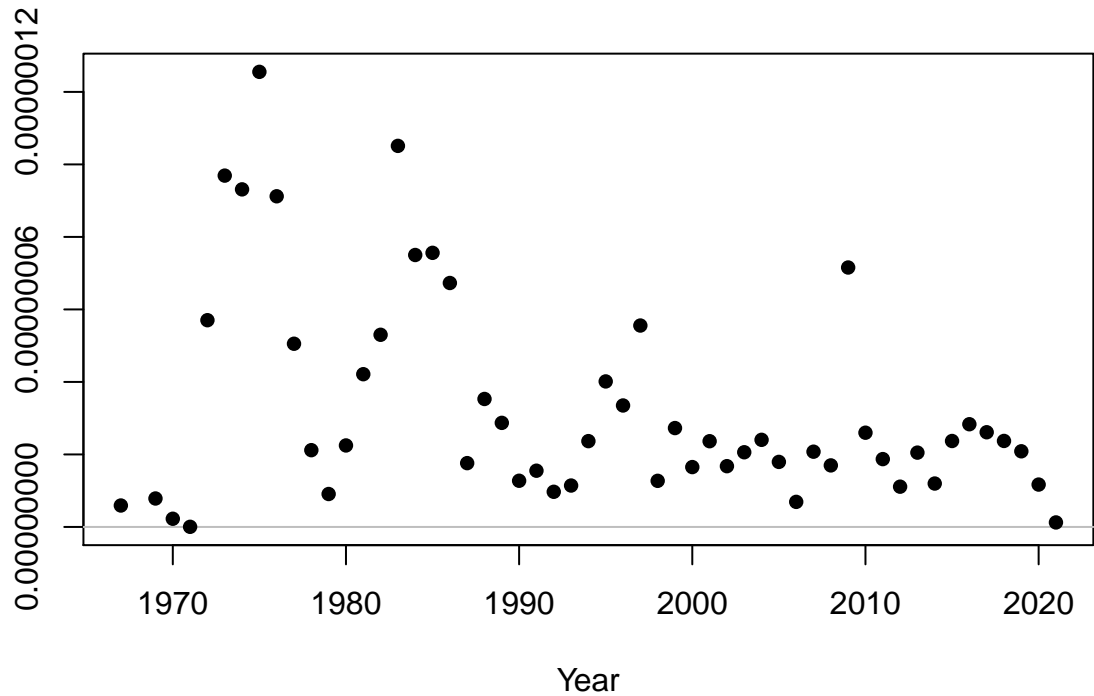
Summary biomass (mt)

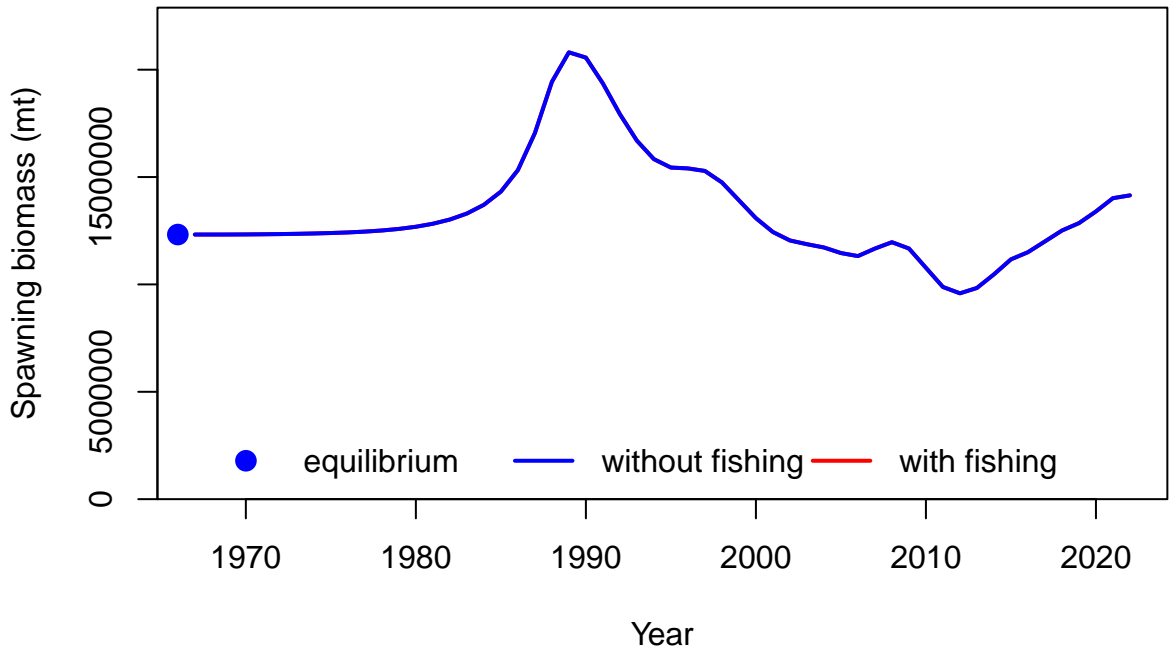


Age-0 recruits (1,000s)

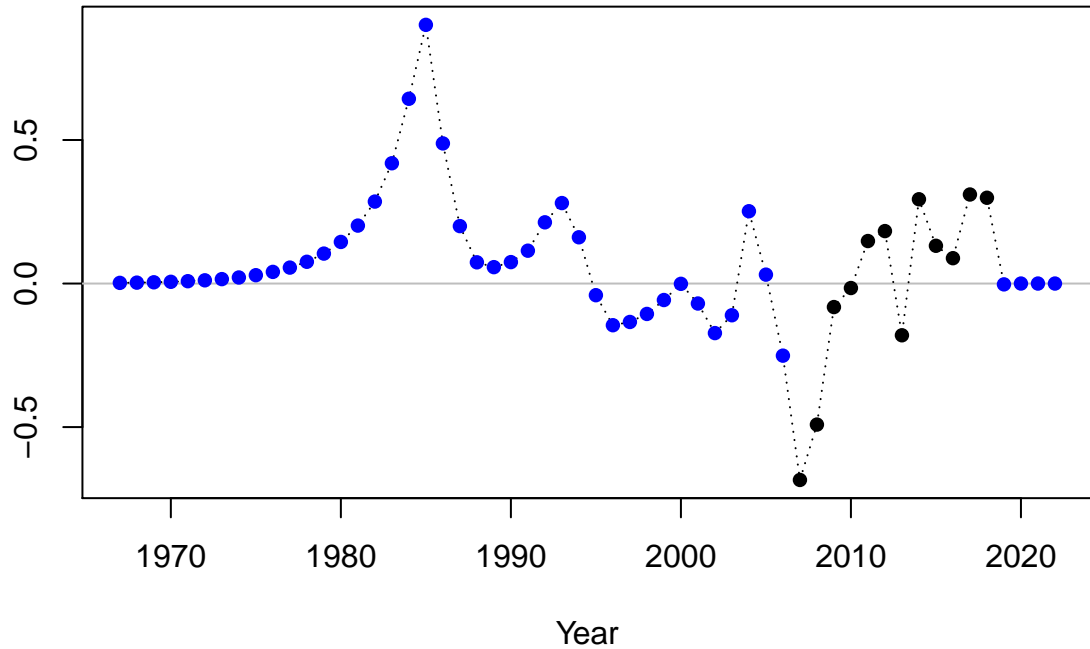


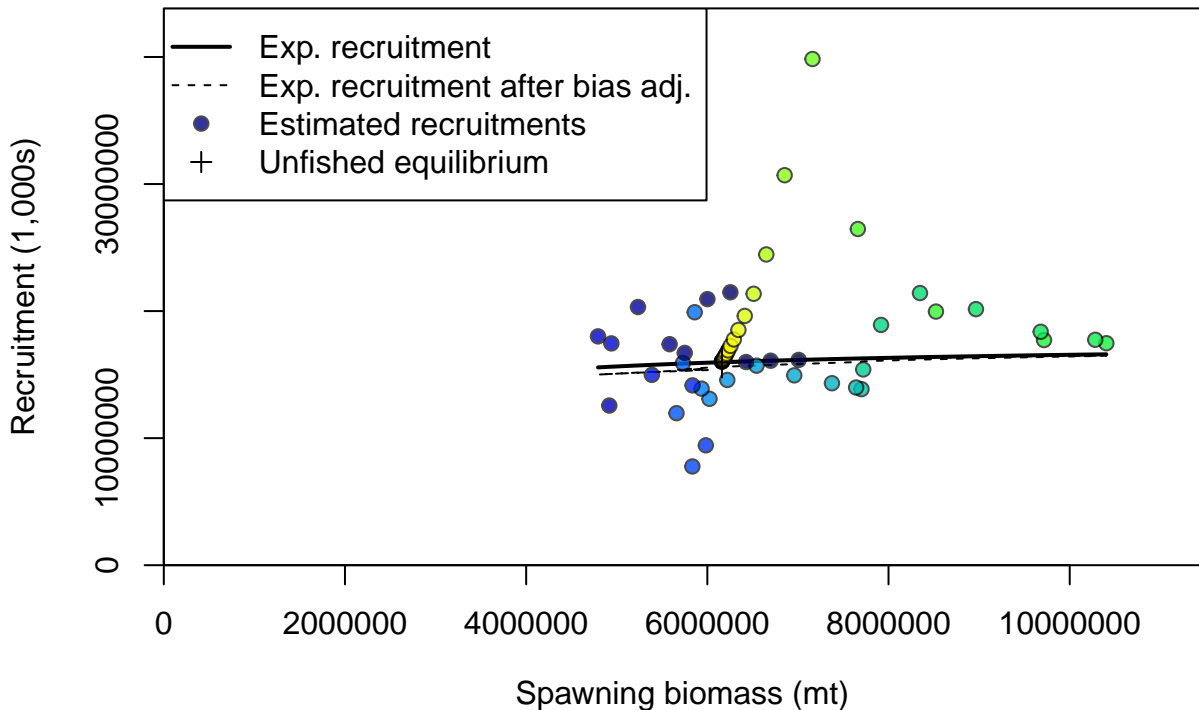
Summary Fishing Mortality

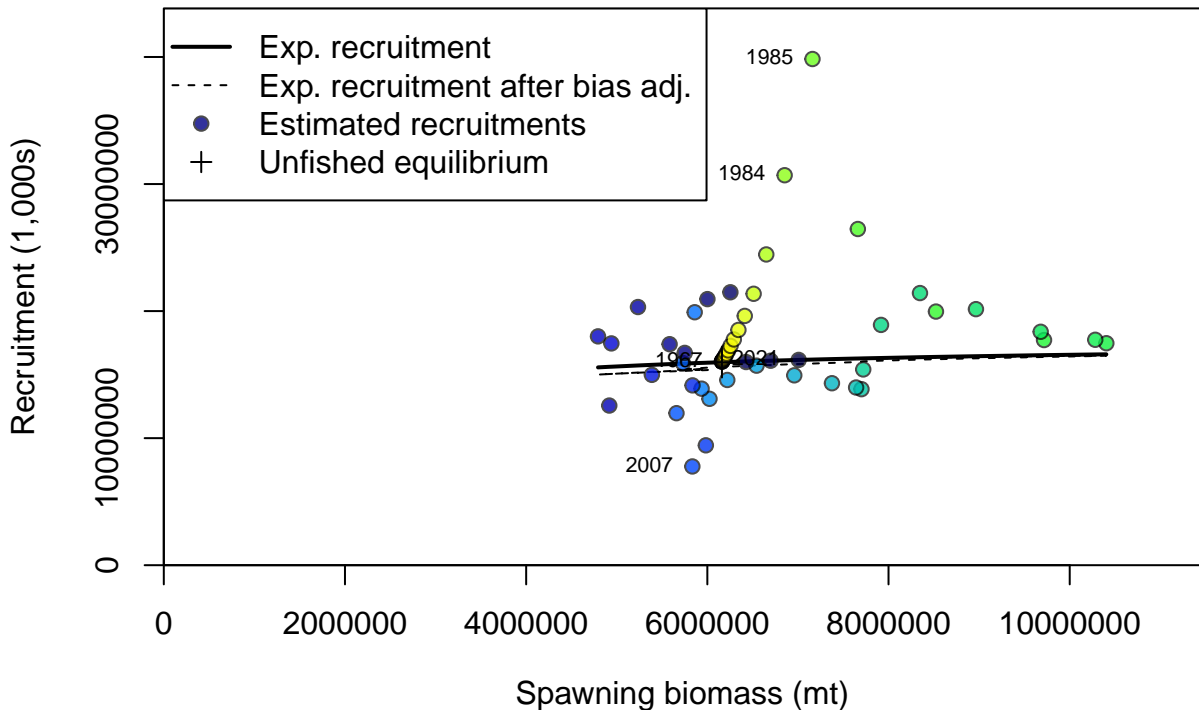




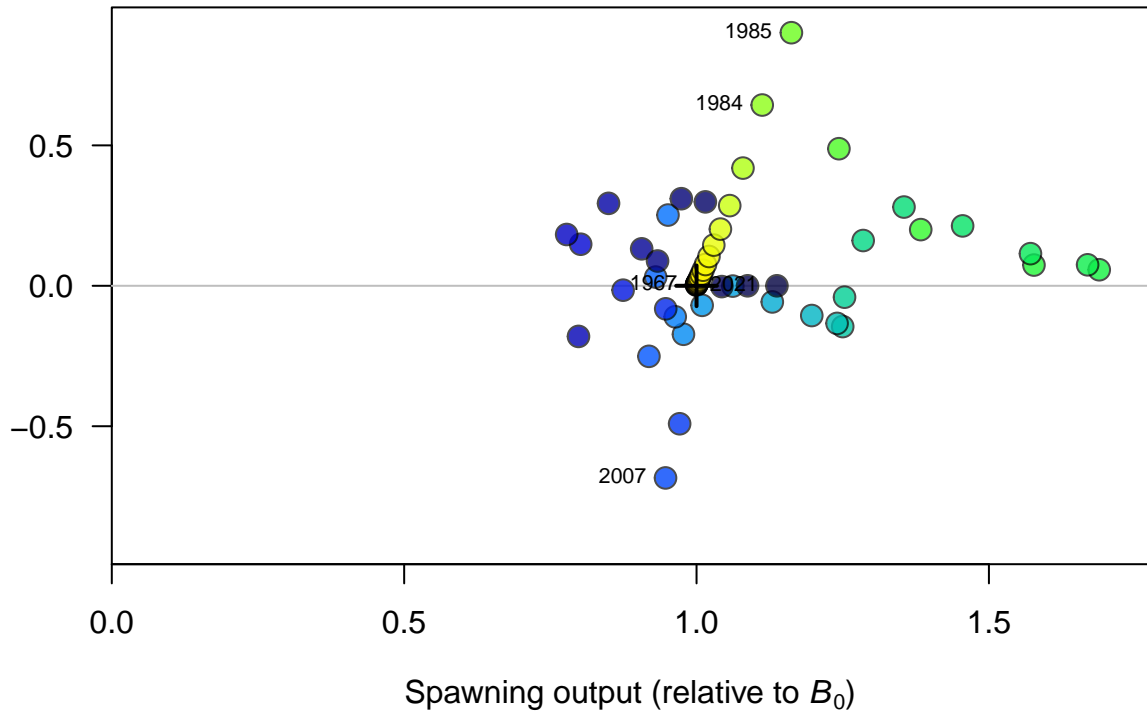
Log recruitment deviation

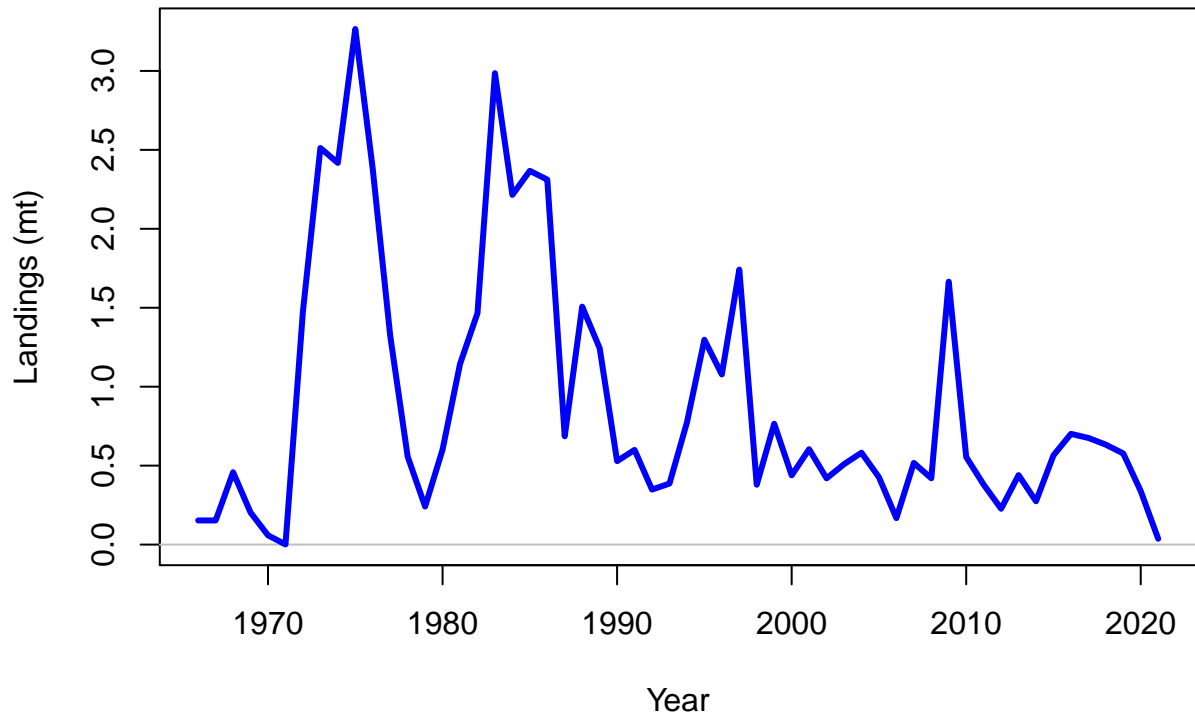




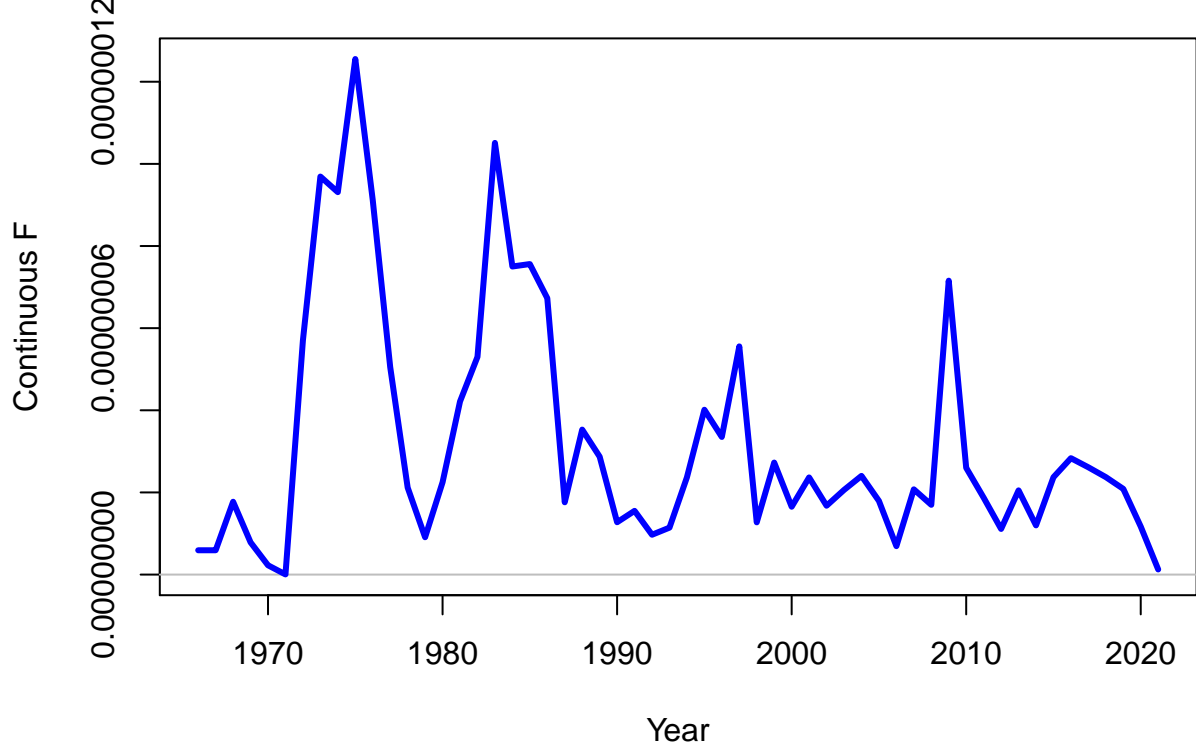


Log recruitment deviation

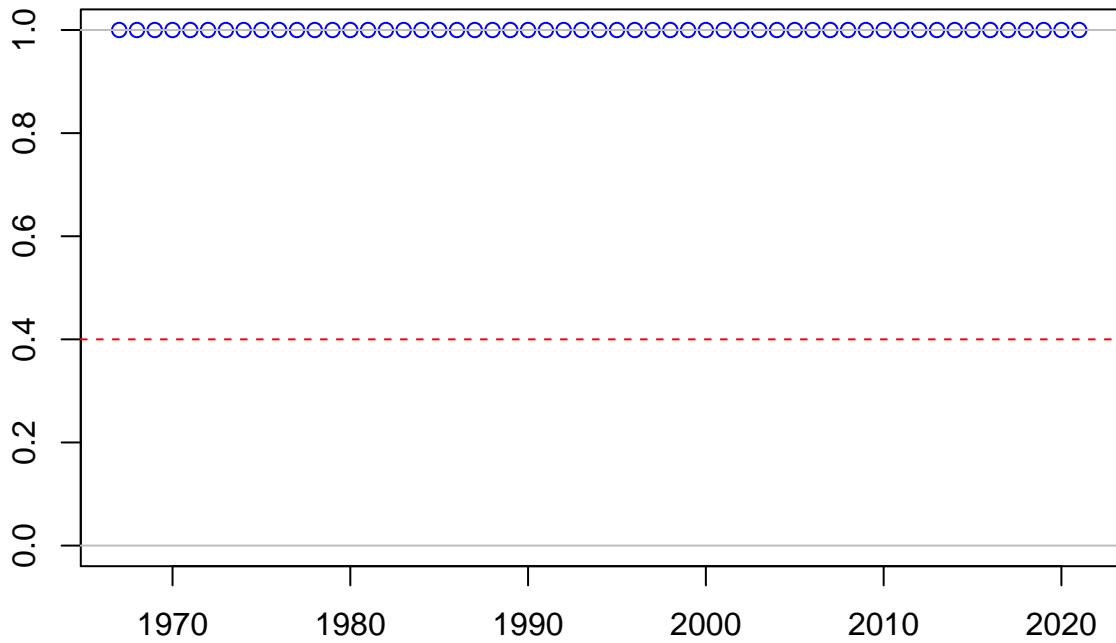




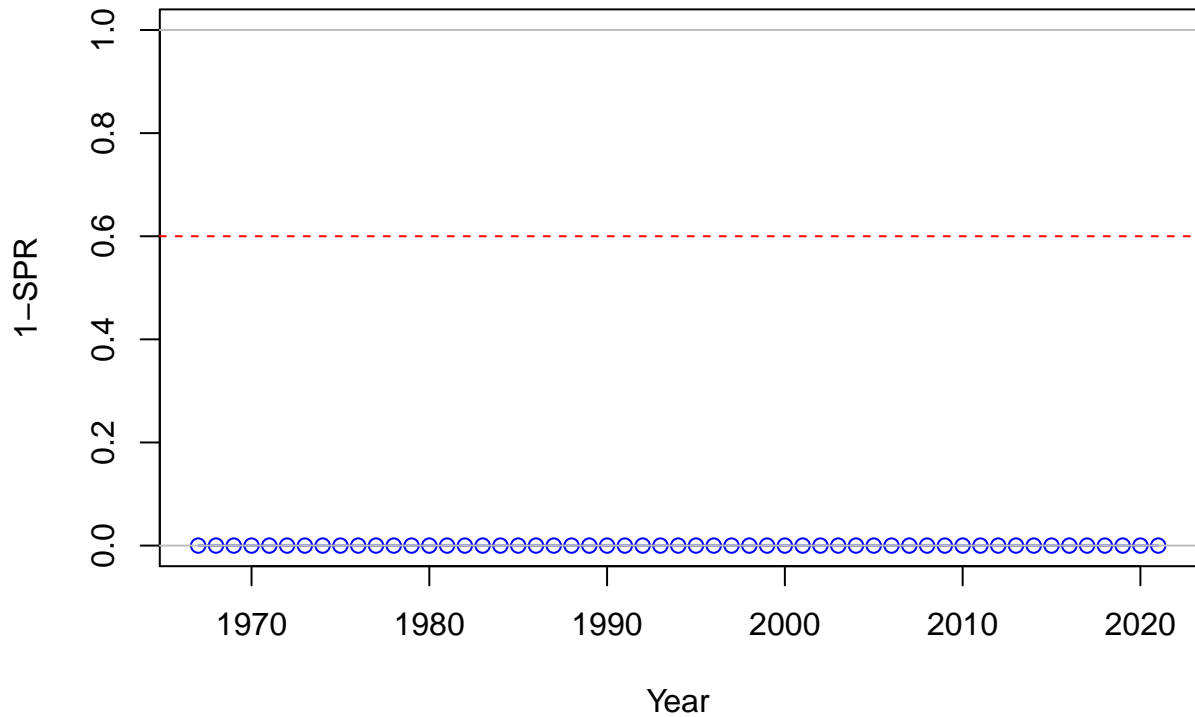




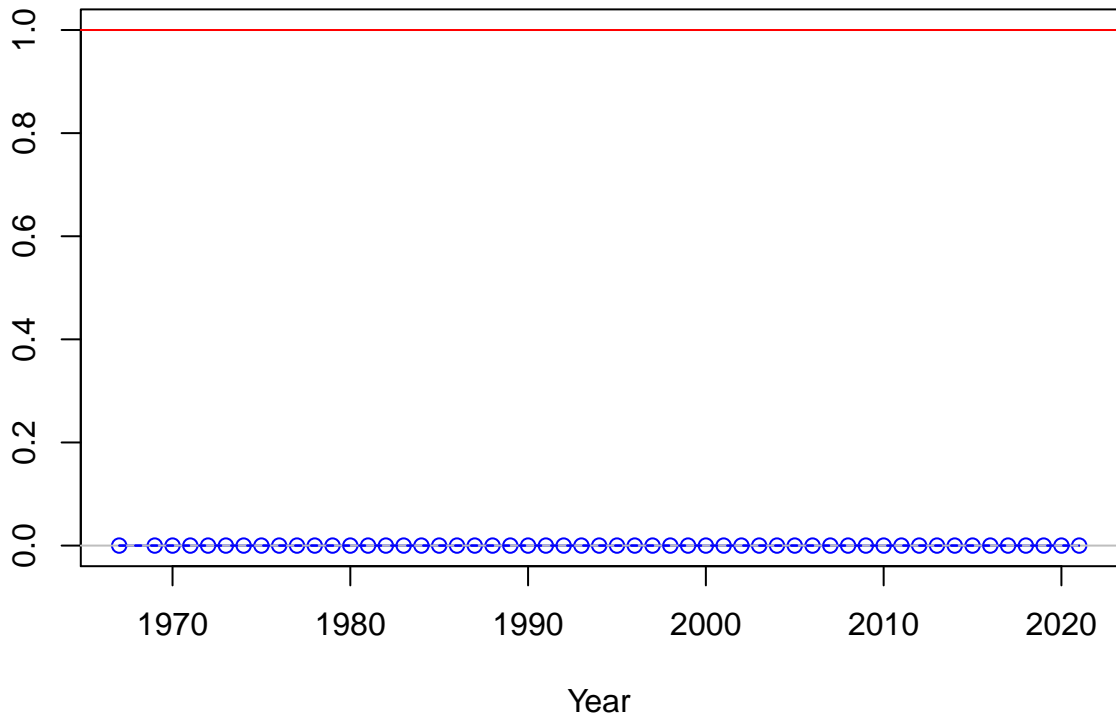
SPR



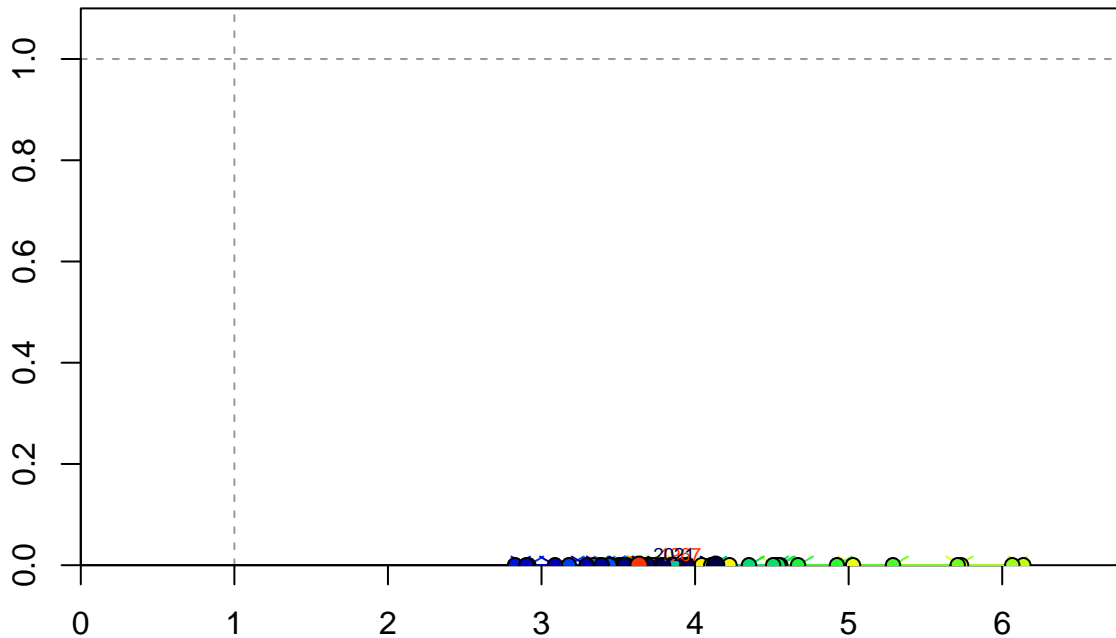
Year



Fishing intensity: 1-SPR

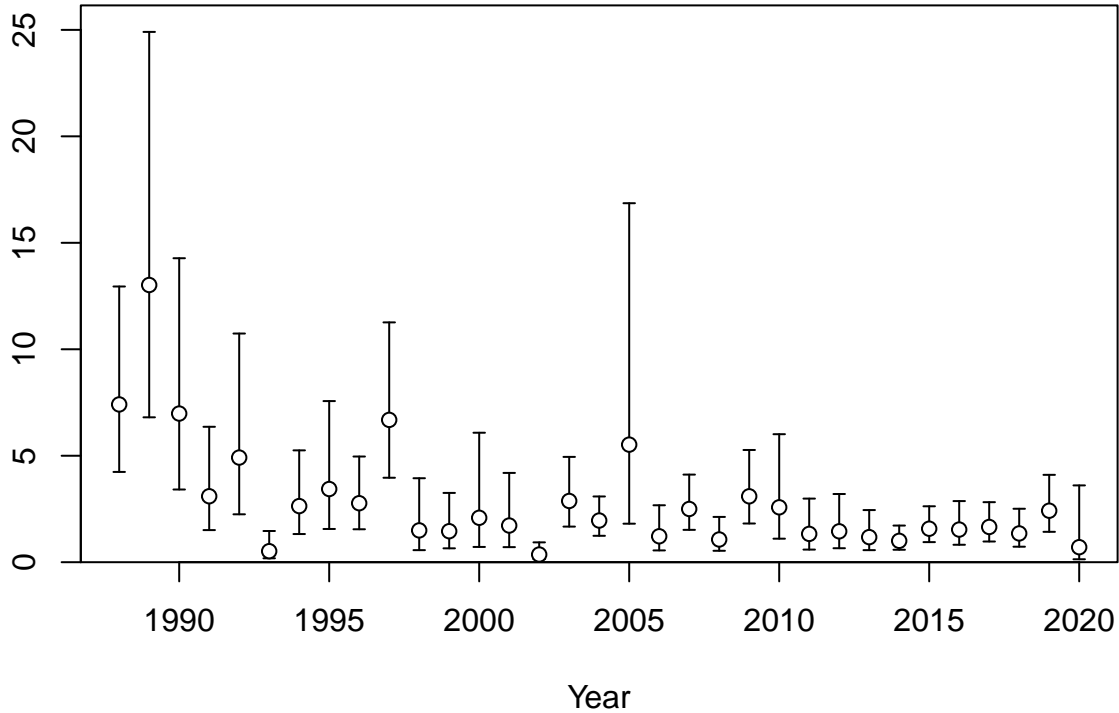


Fishing intensity: 1-SPR

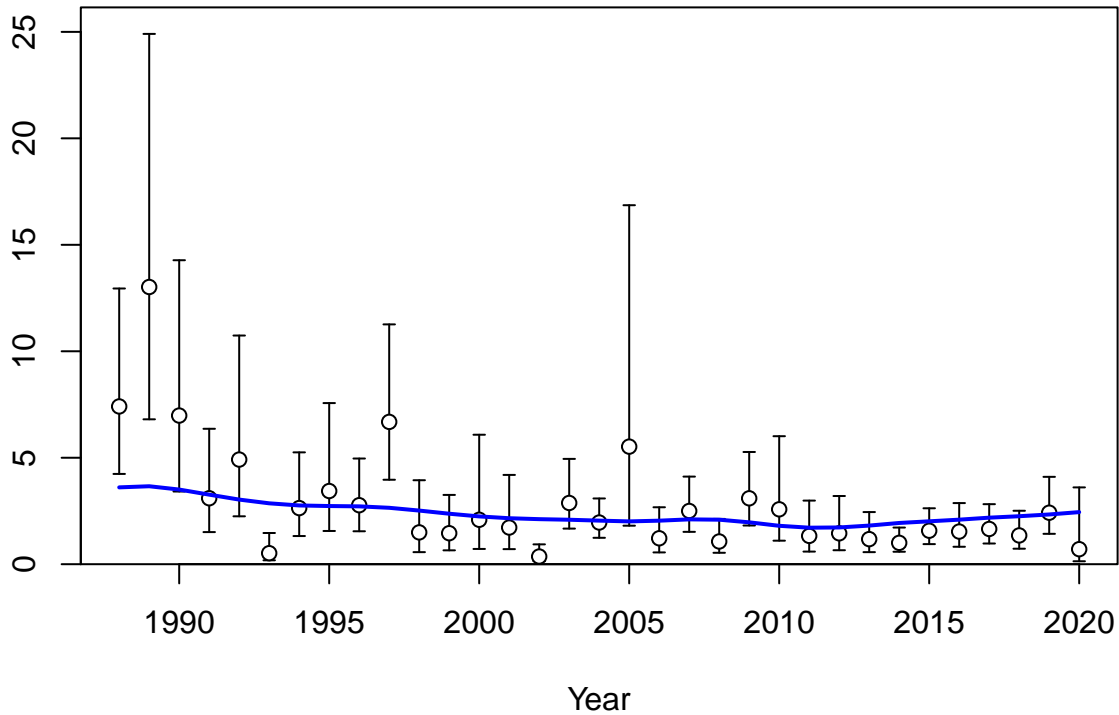


Relative spawning output: B/B_{MSY}

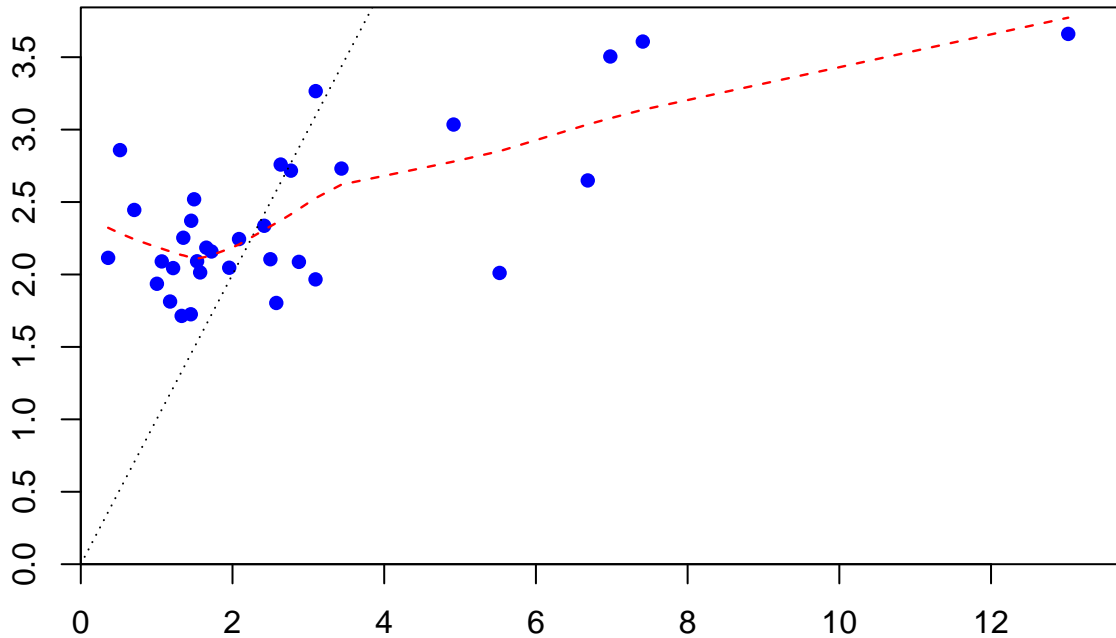
Index



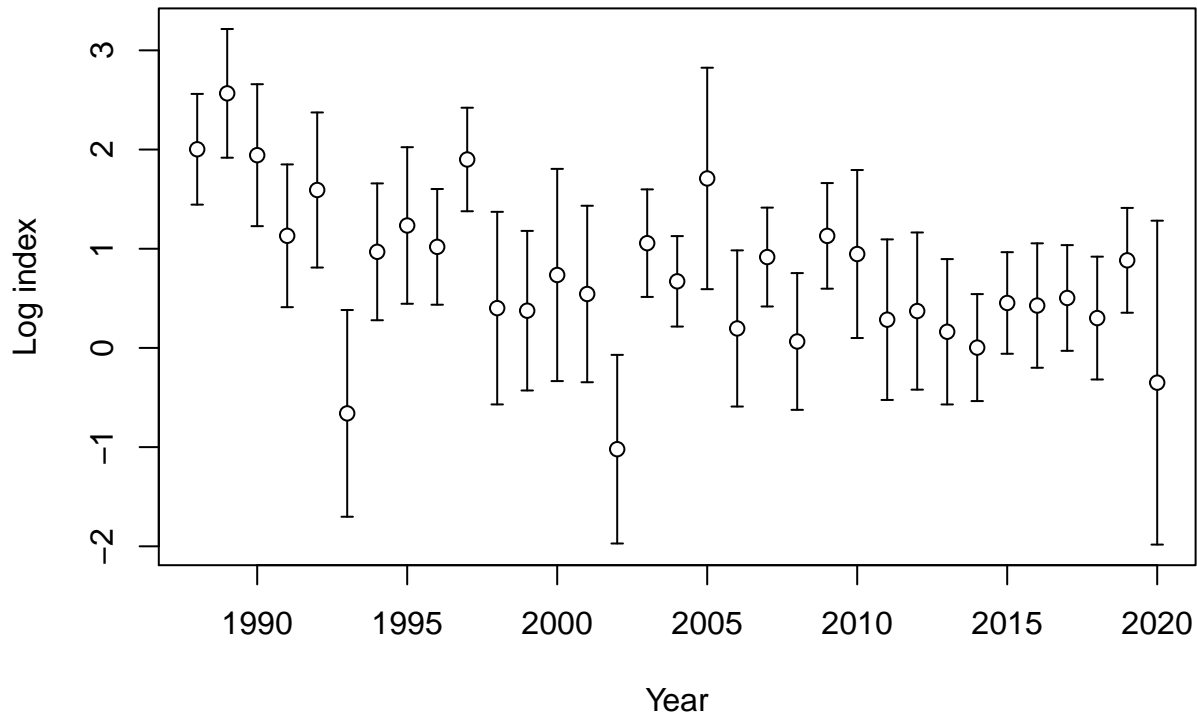
Index

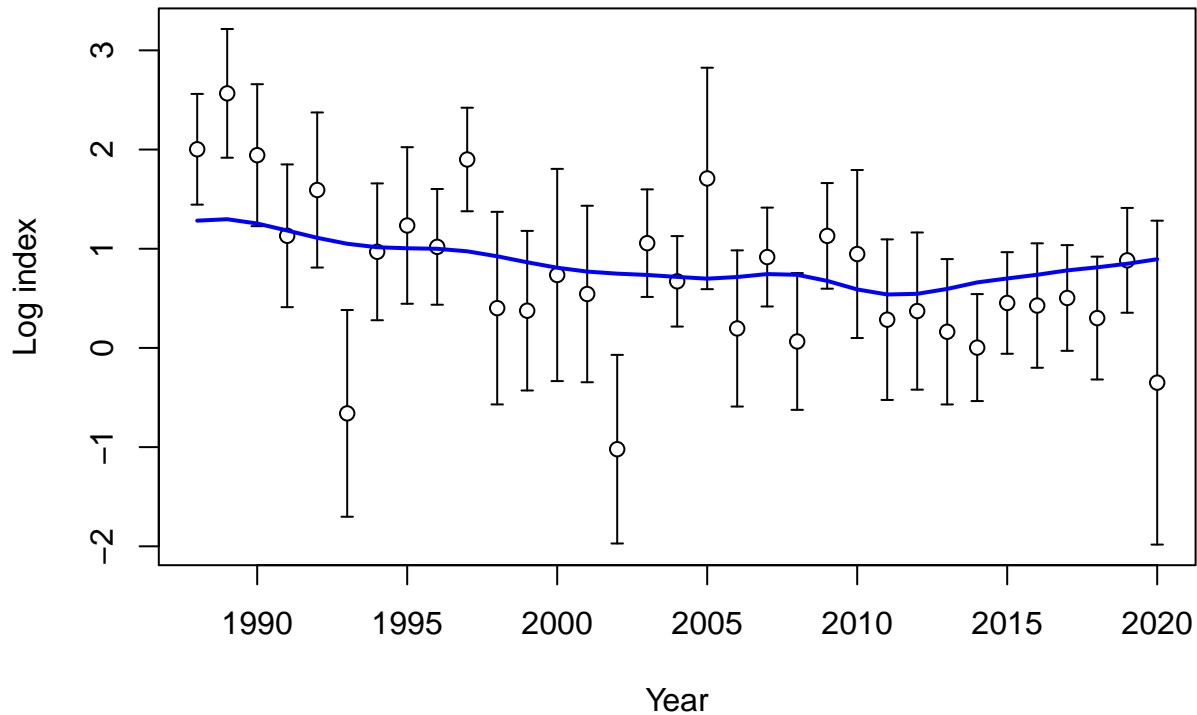


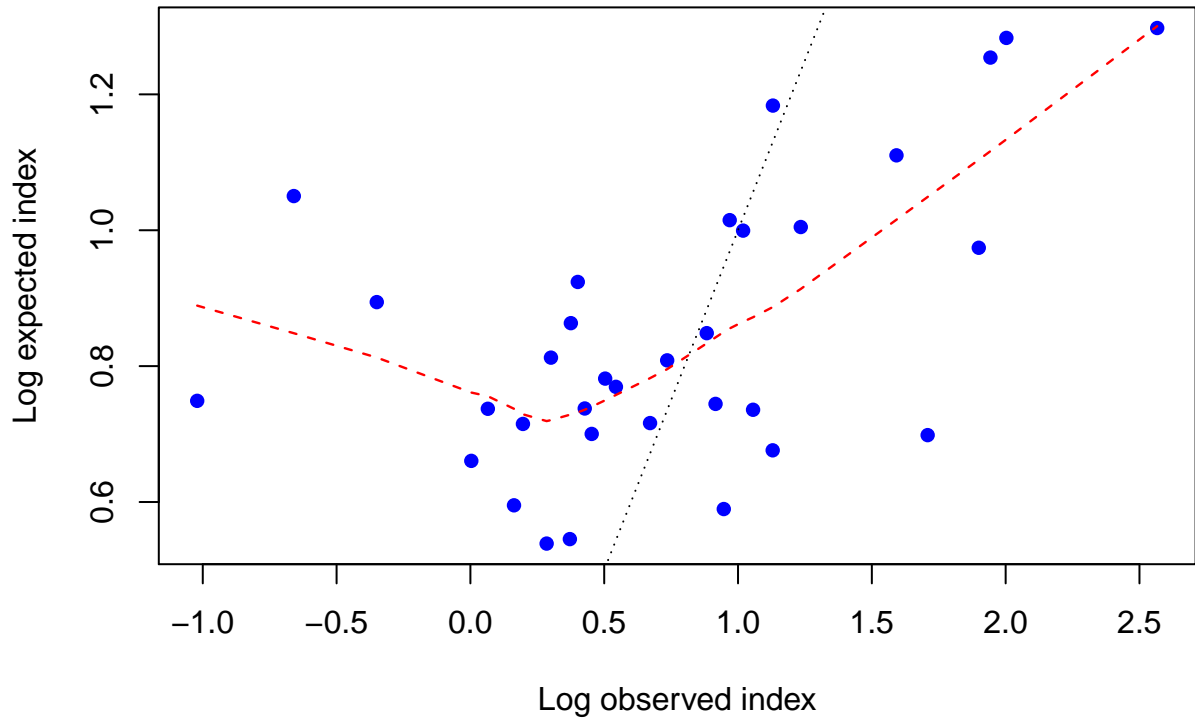
Expected index



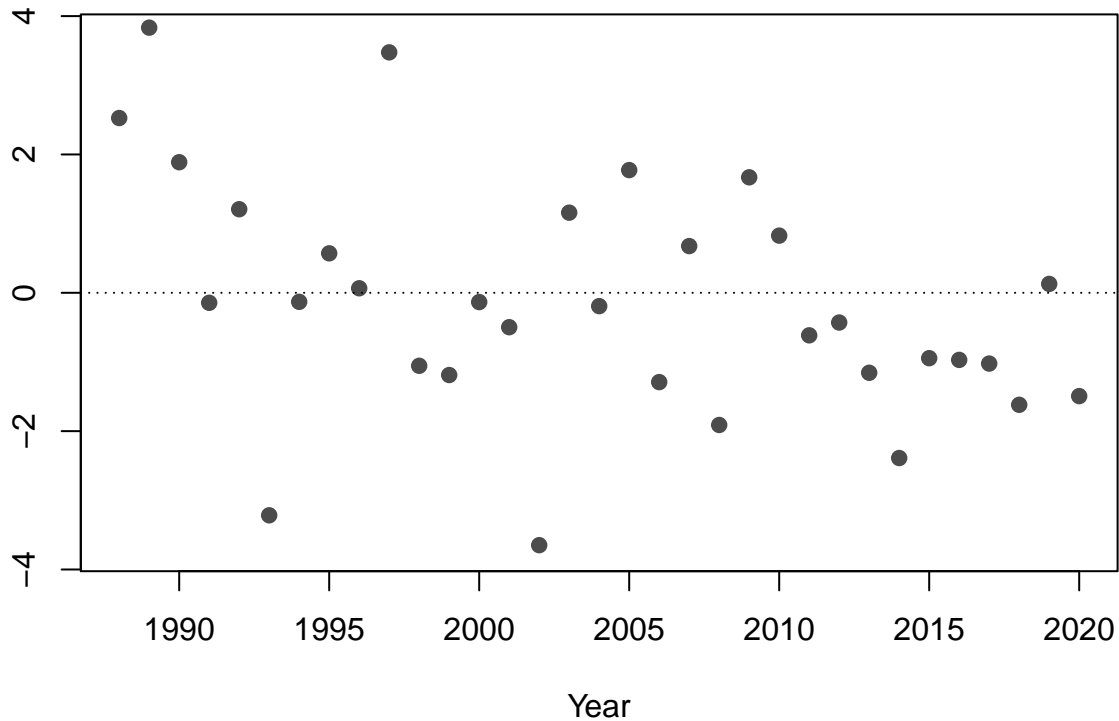
Observed index

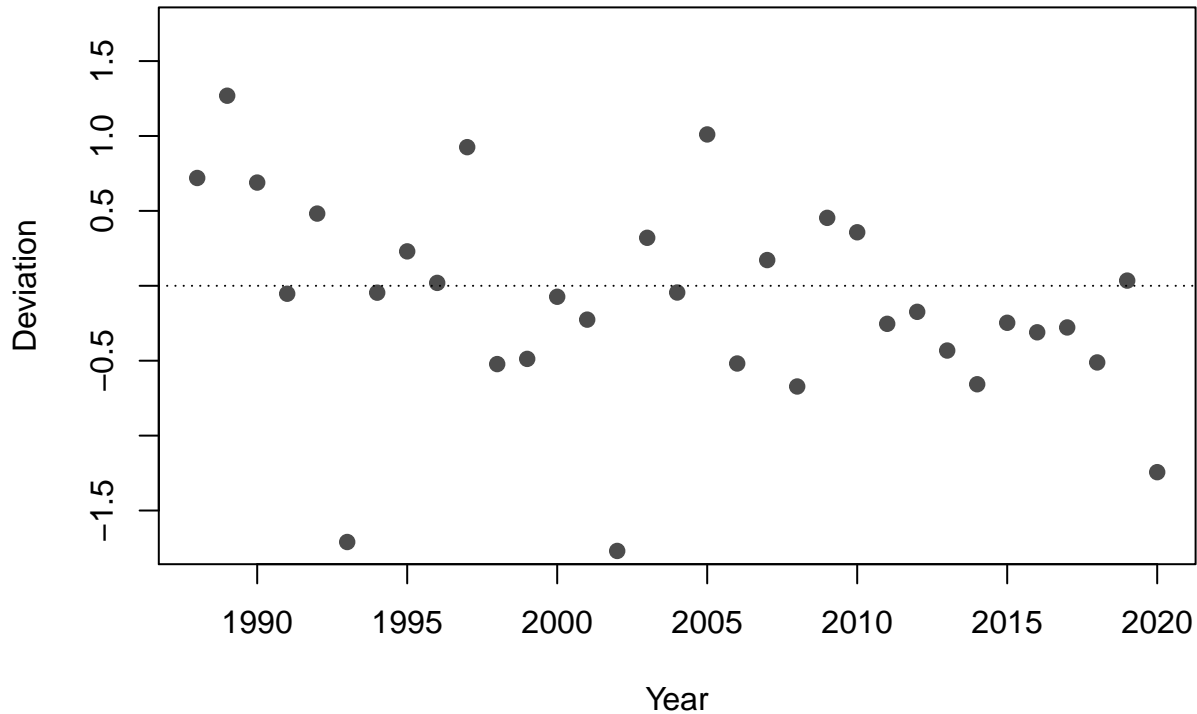




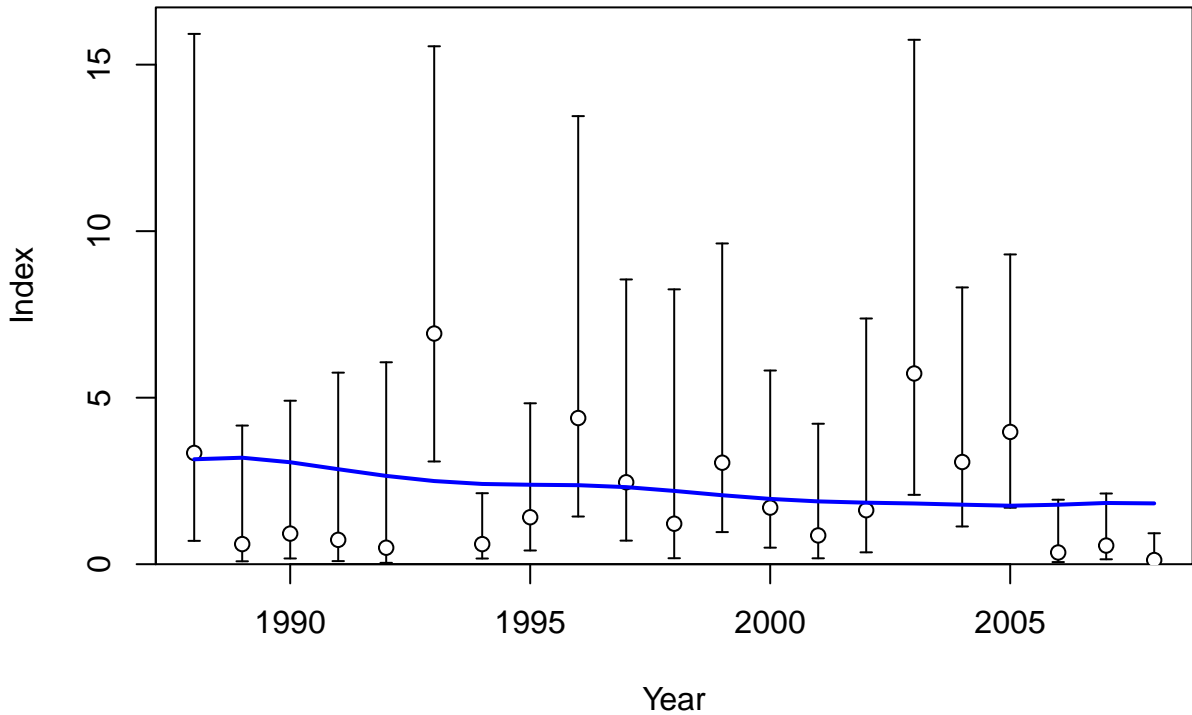


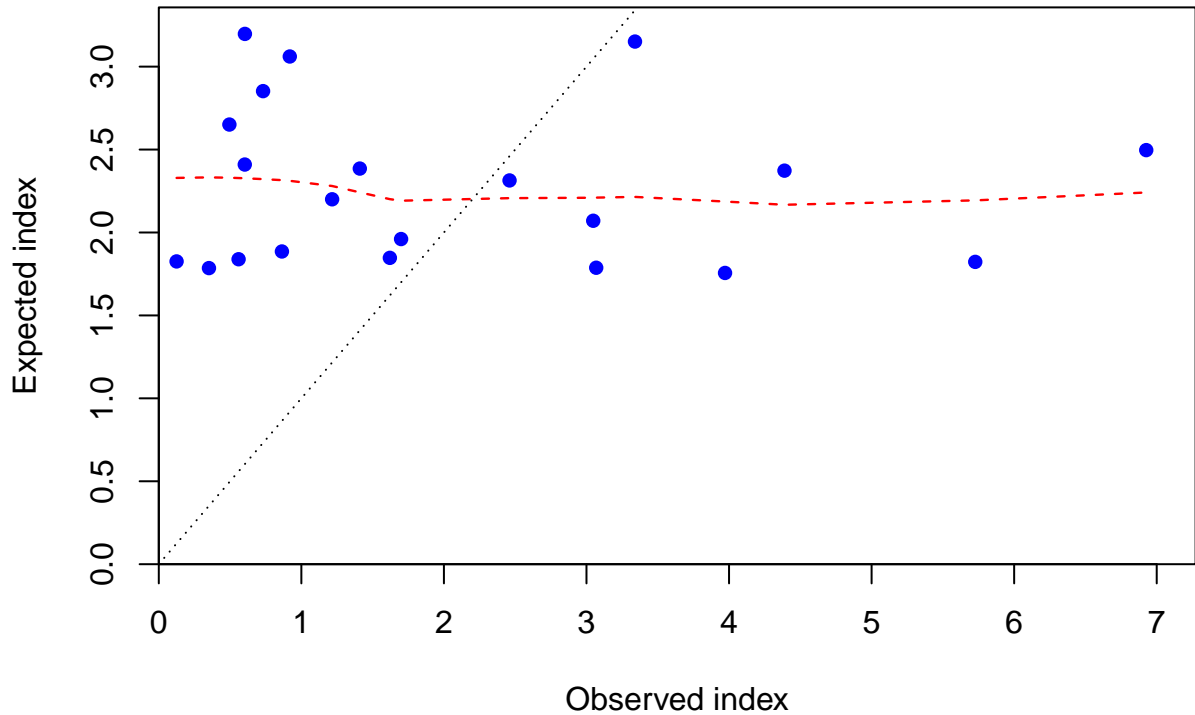
Residual







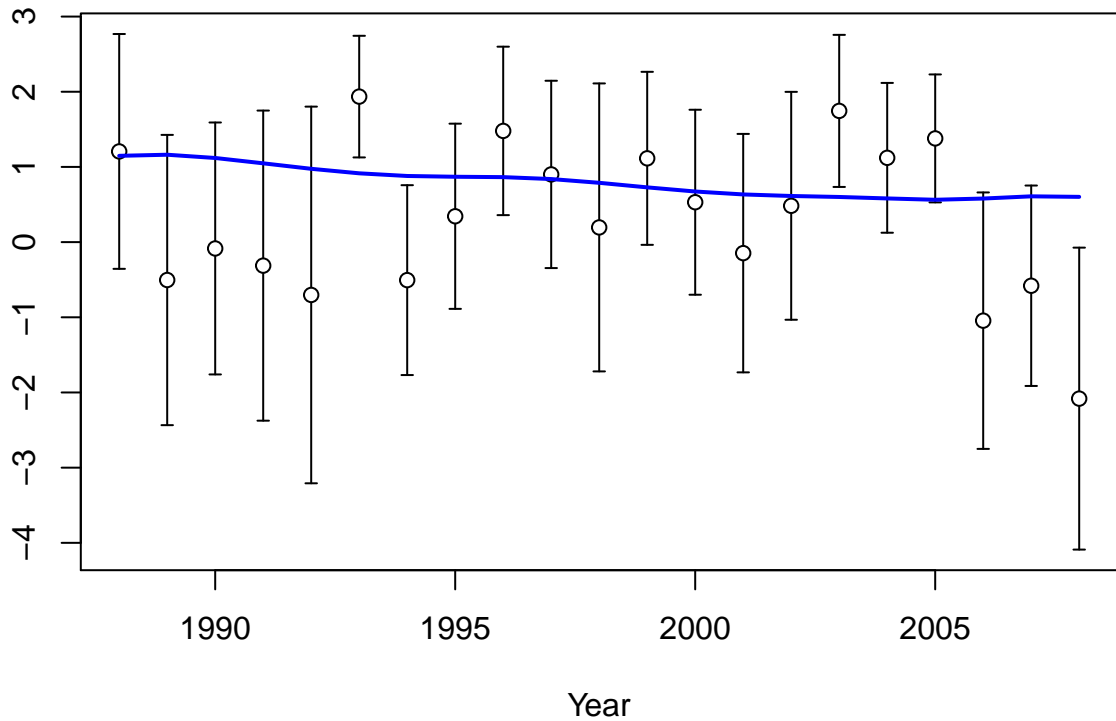


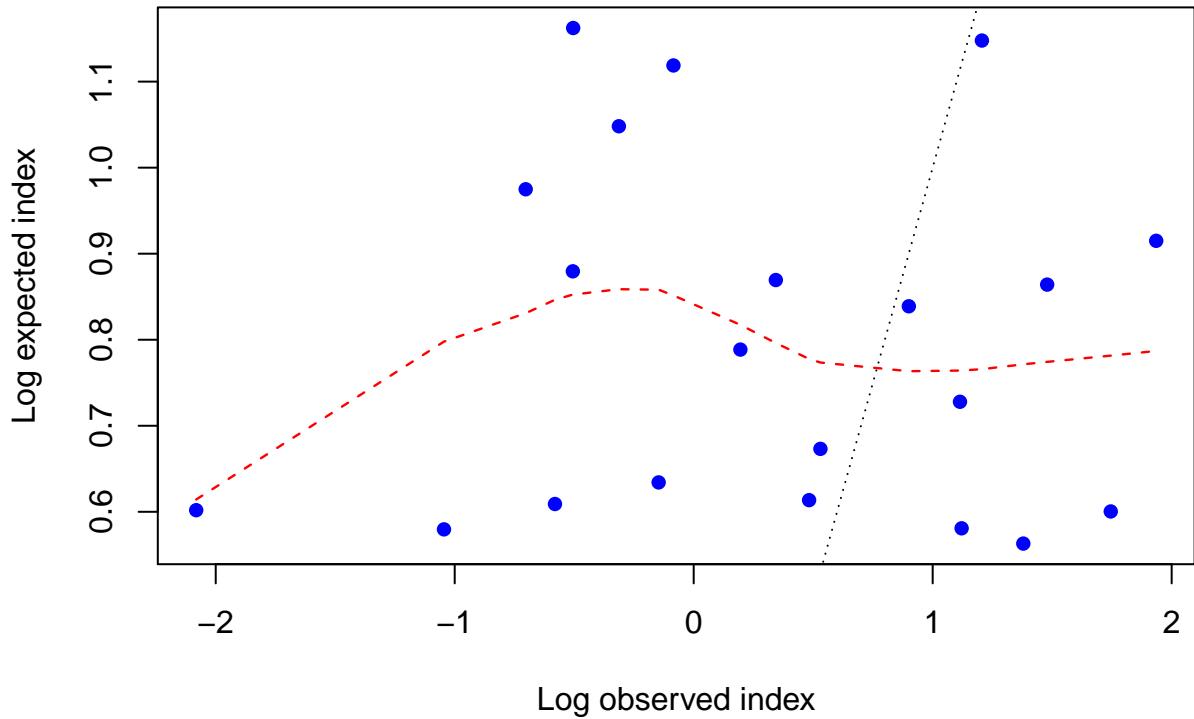


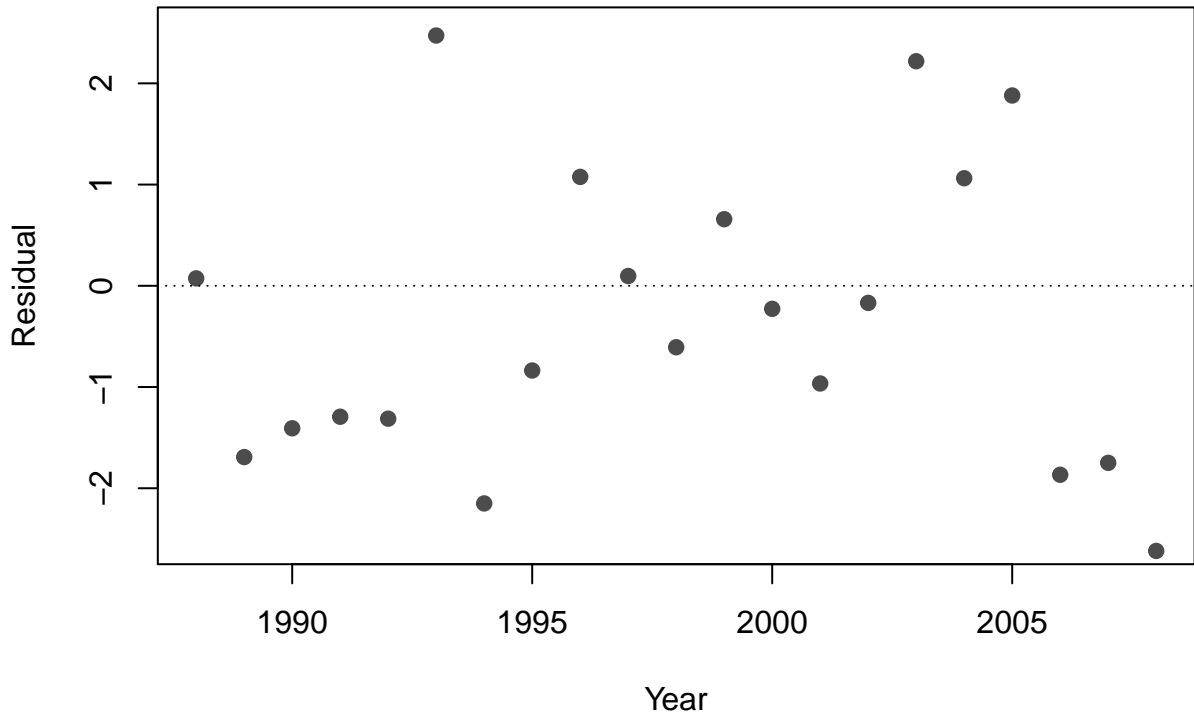
Log index

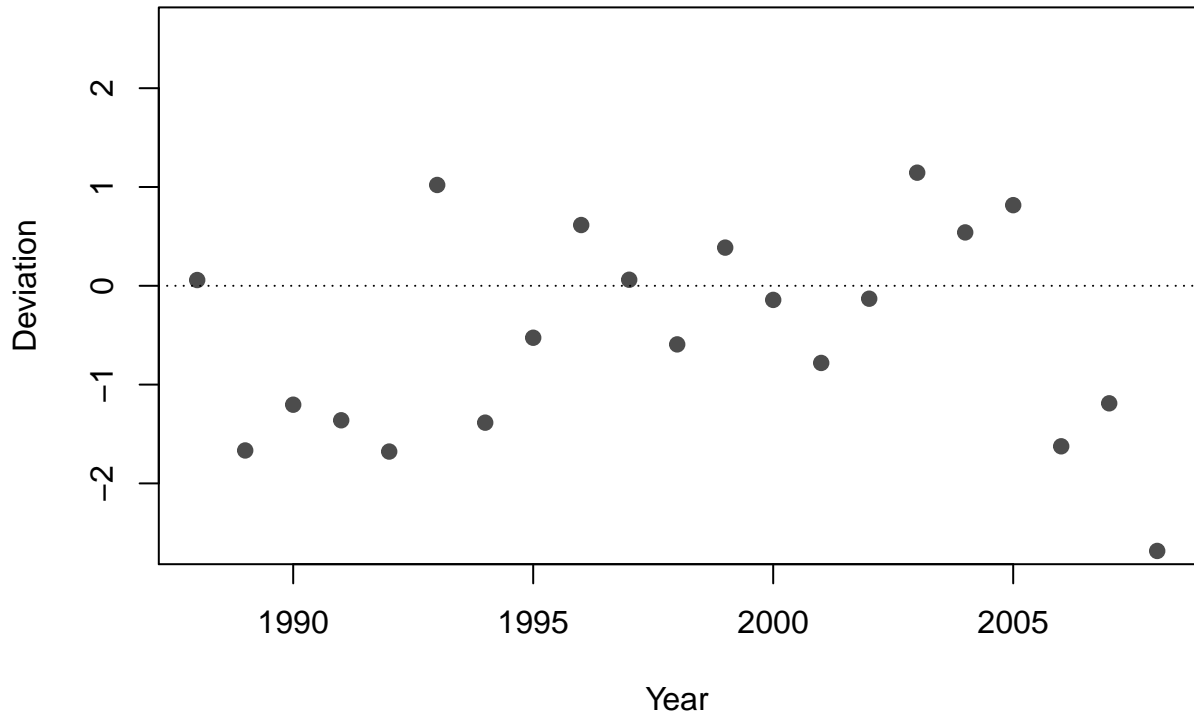


Log index



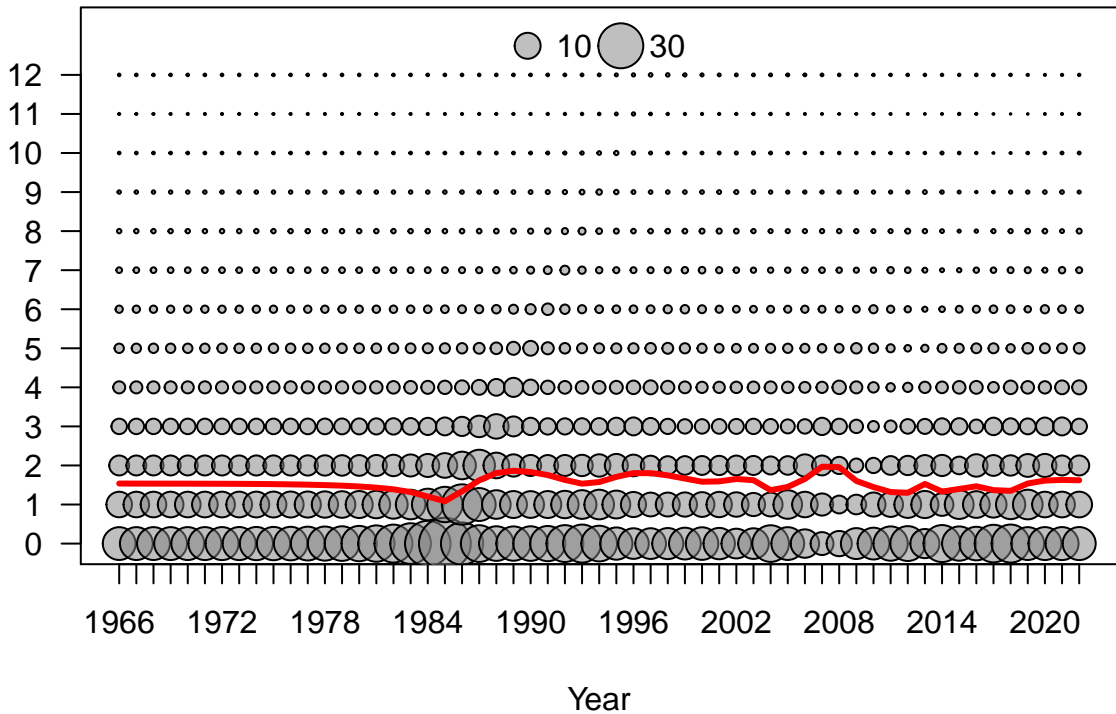


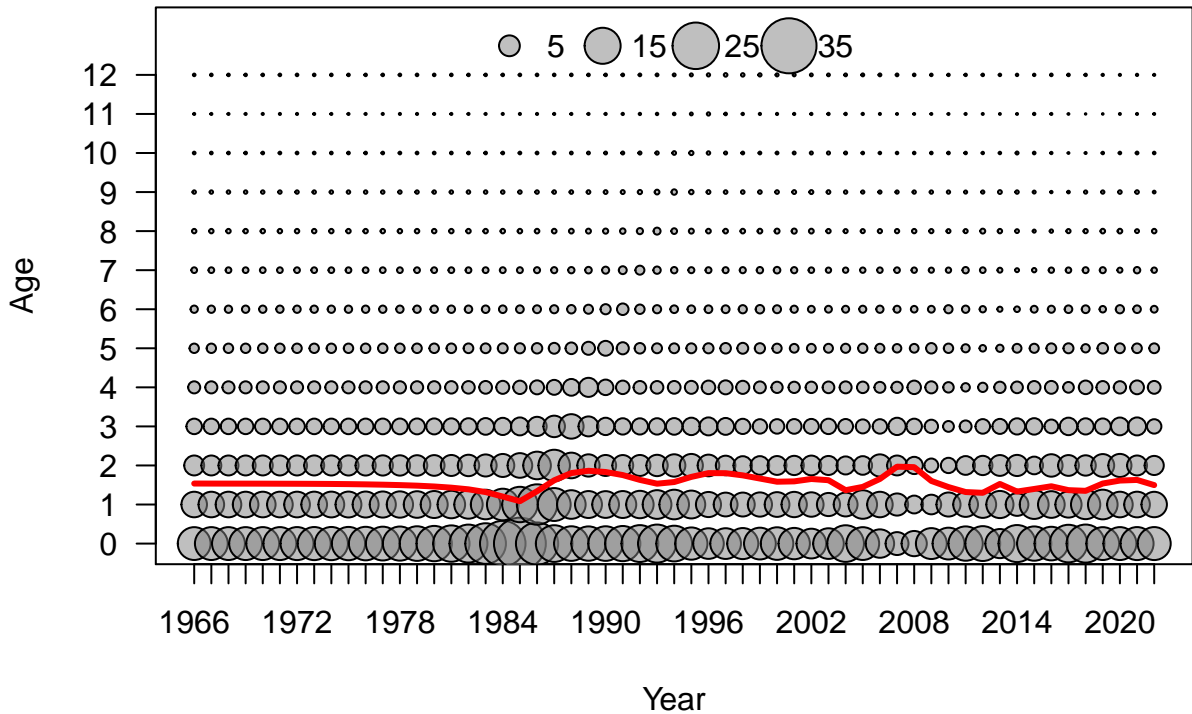


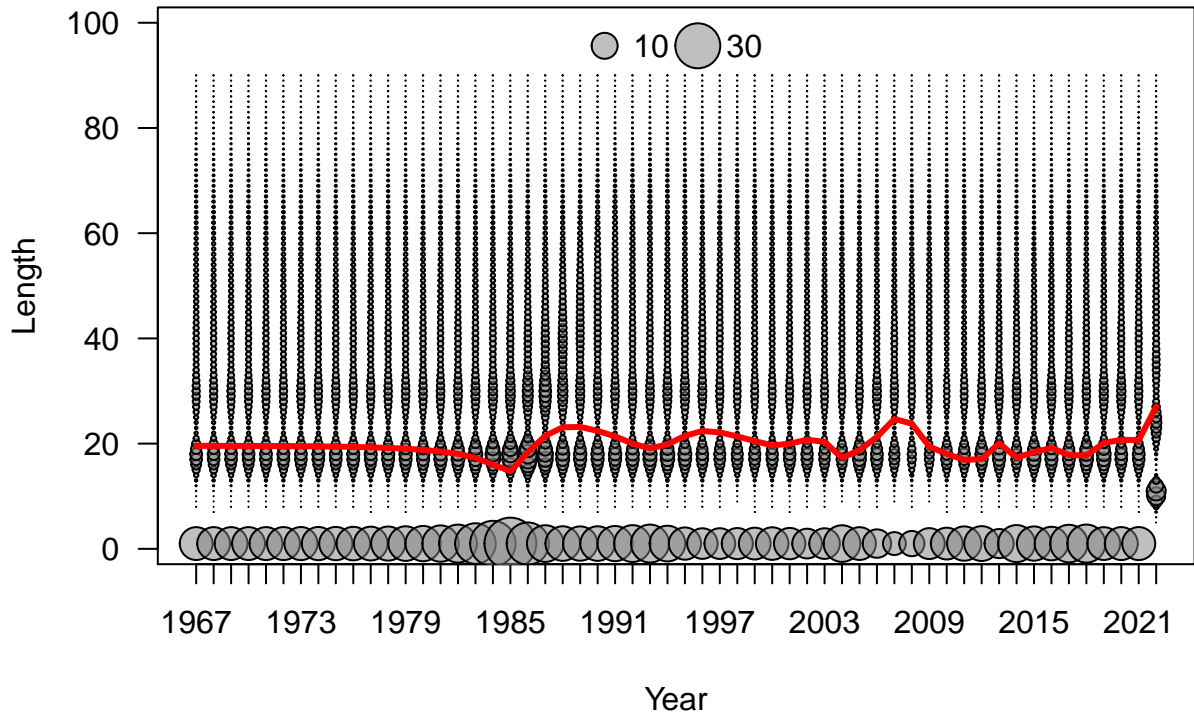


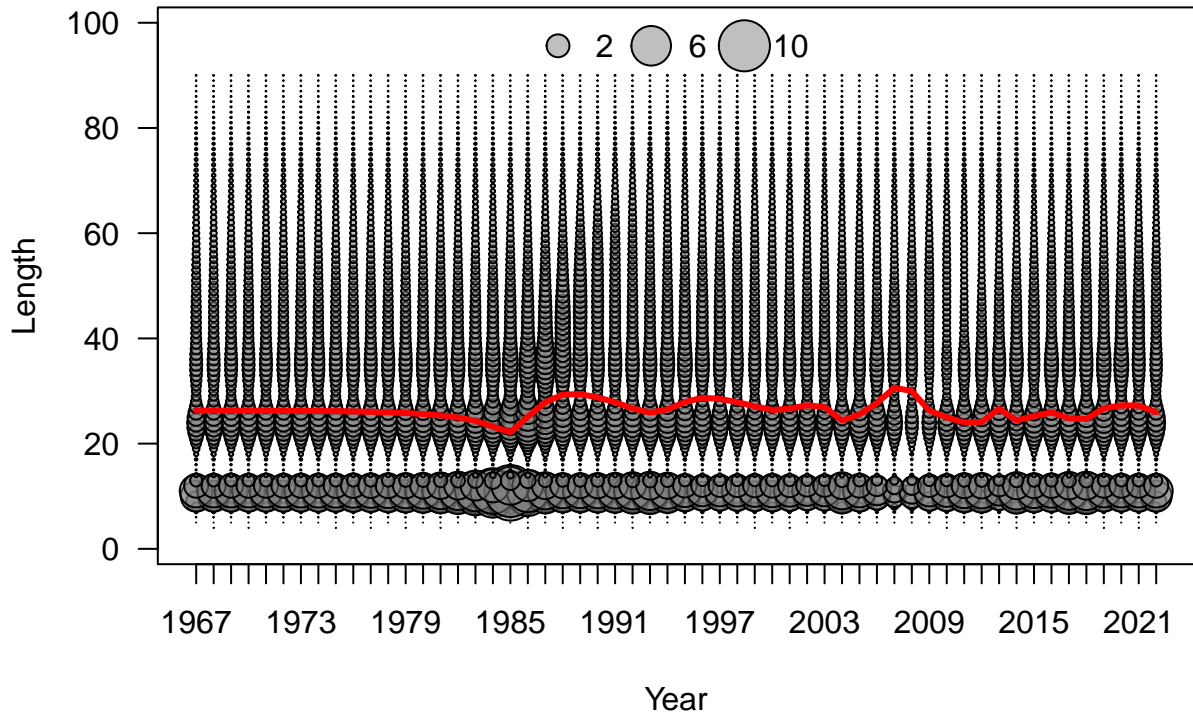


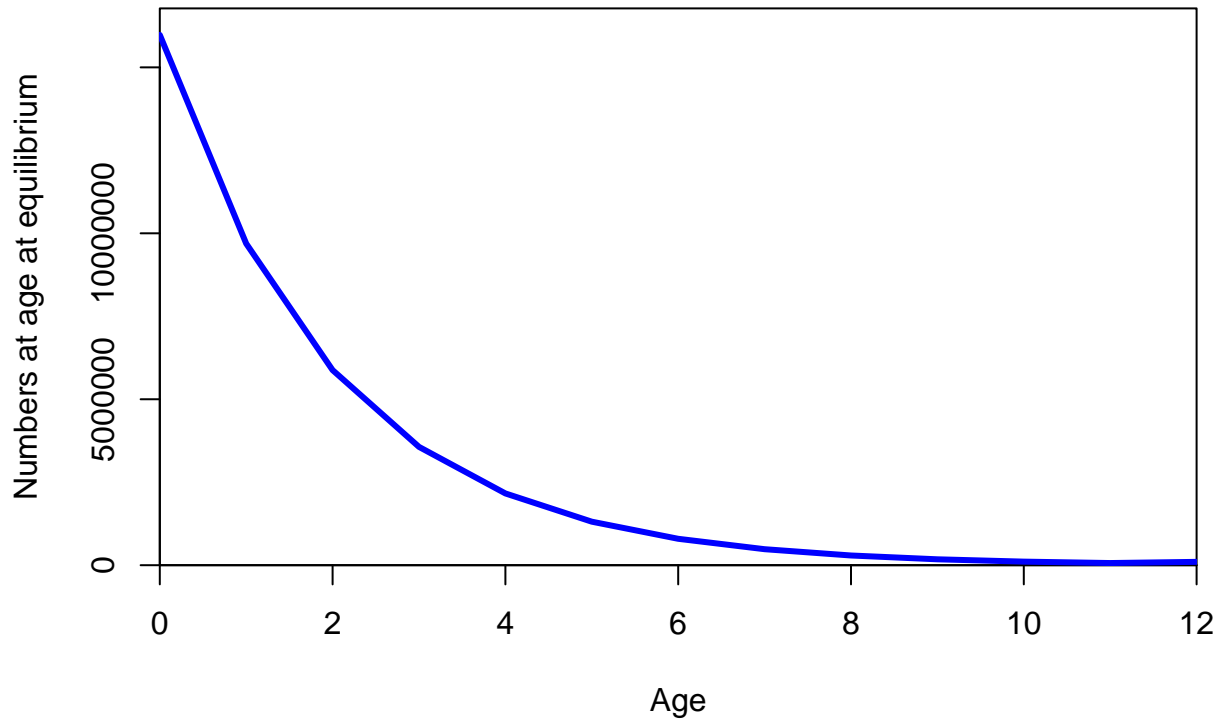
Age





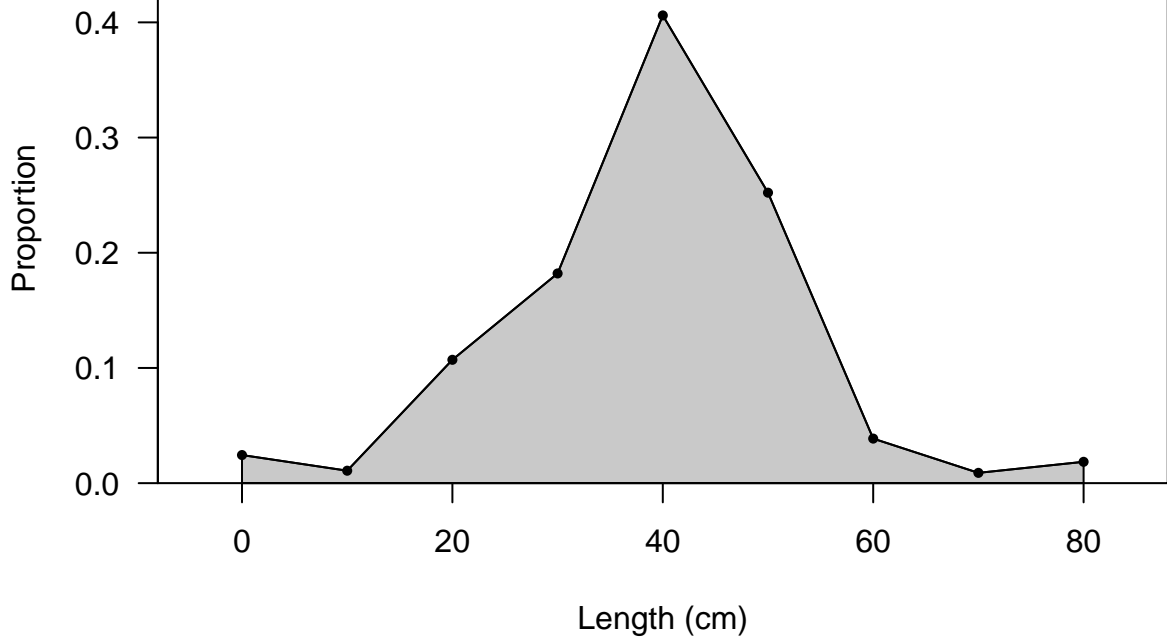






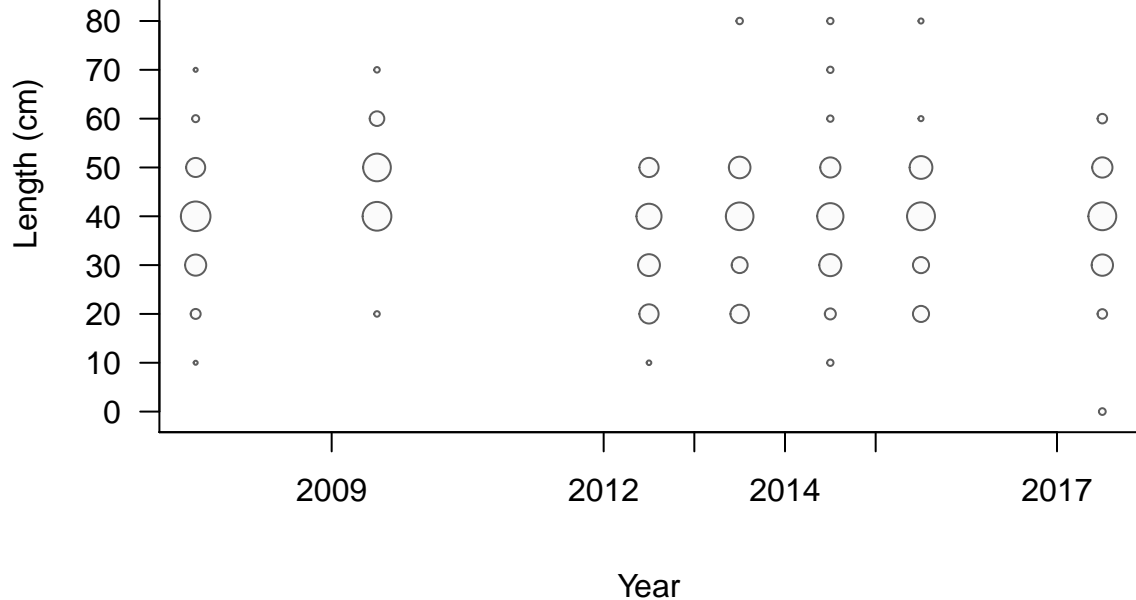
FISHERY

Sum of N adj.=244.2

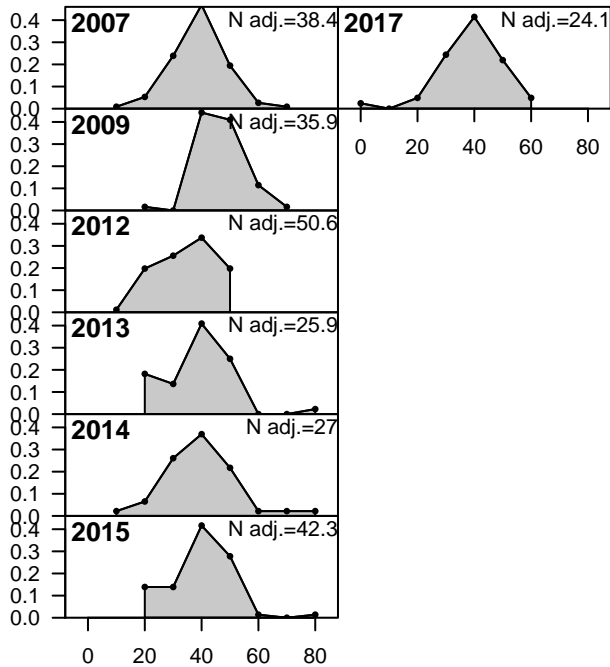


FISHERY

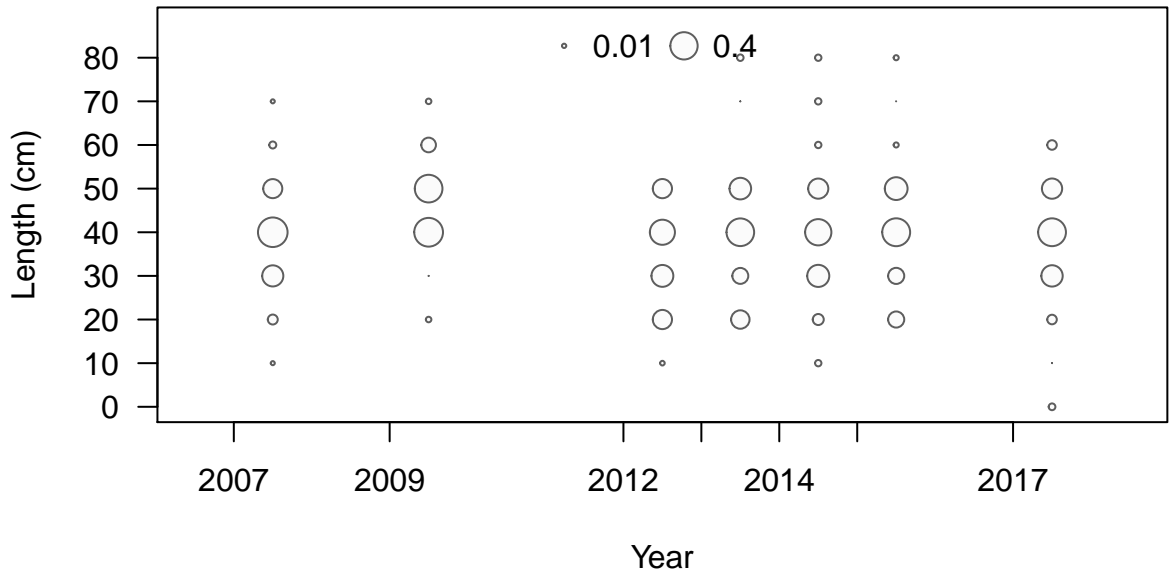
◦ 0.01 ○ 0.4



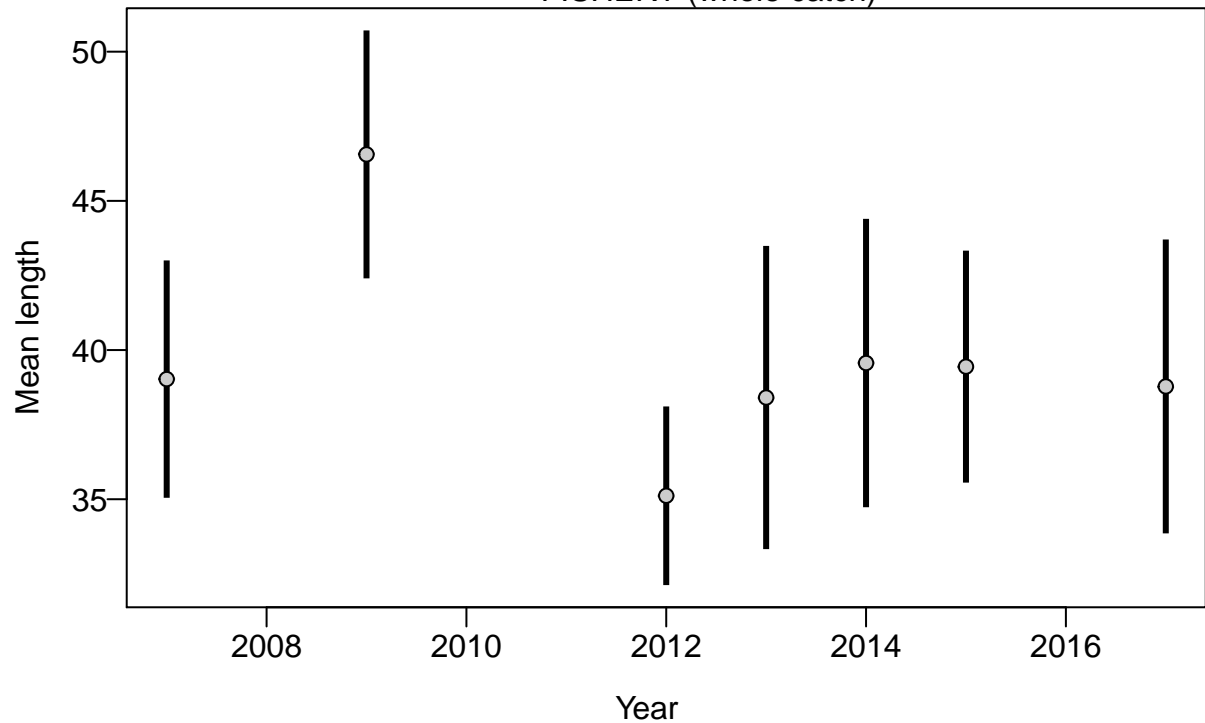
Proportion

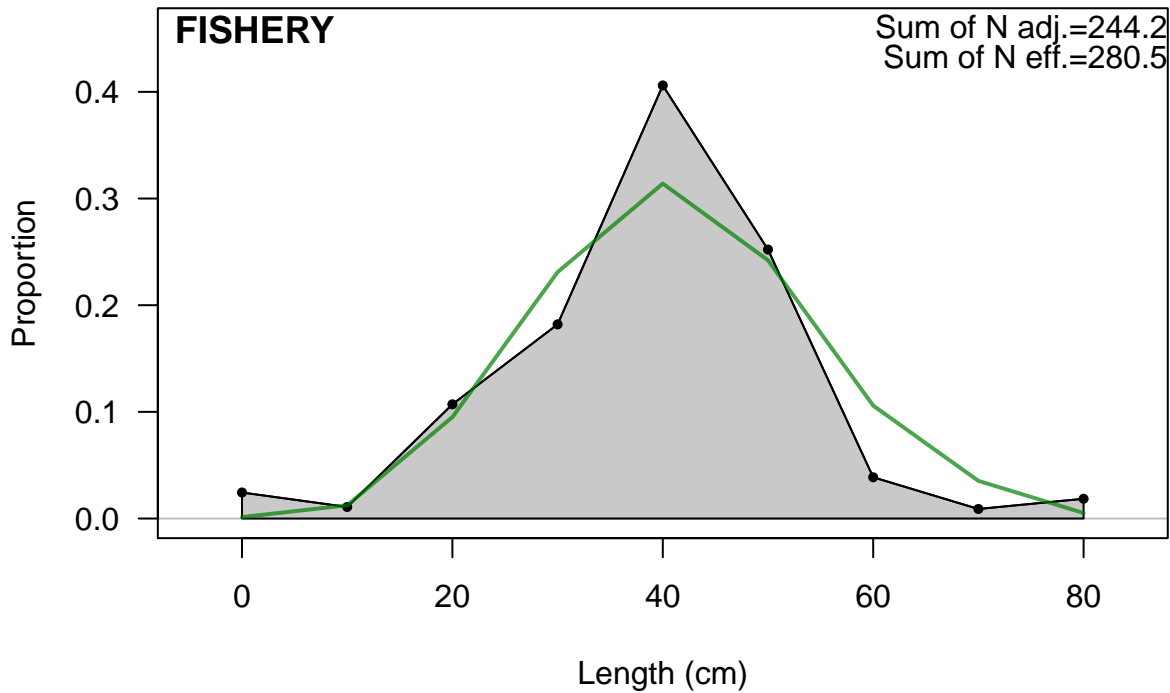


Length (cm)



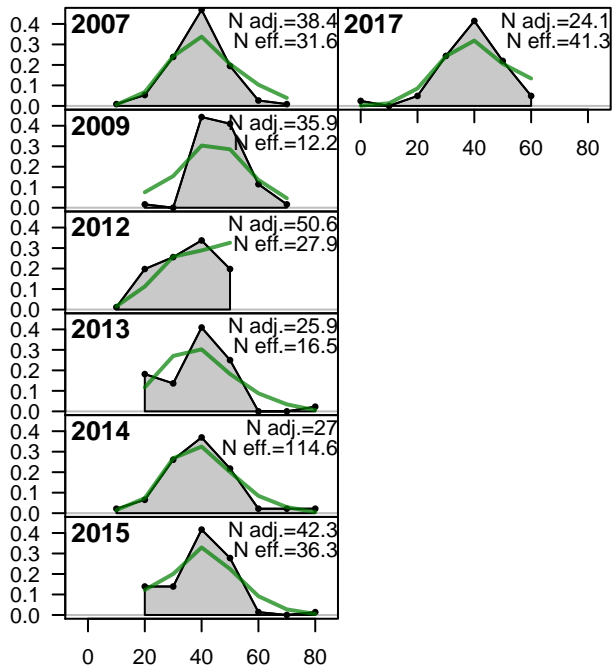
FISHERY (whole catch)



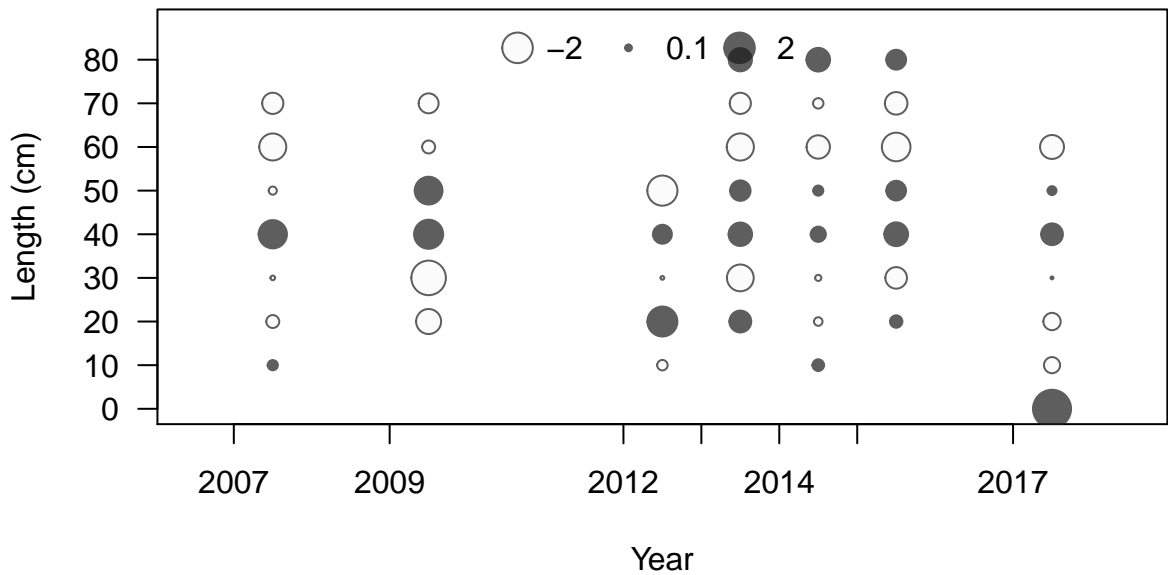




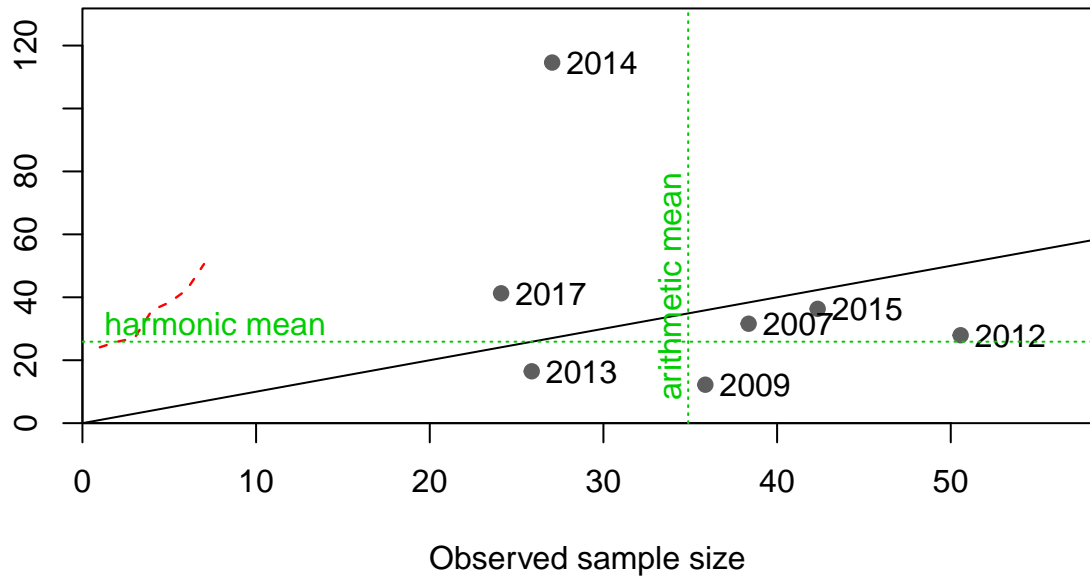
Proportion



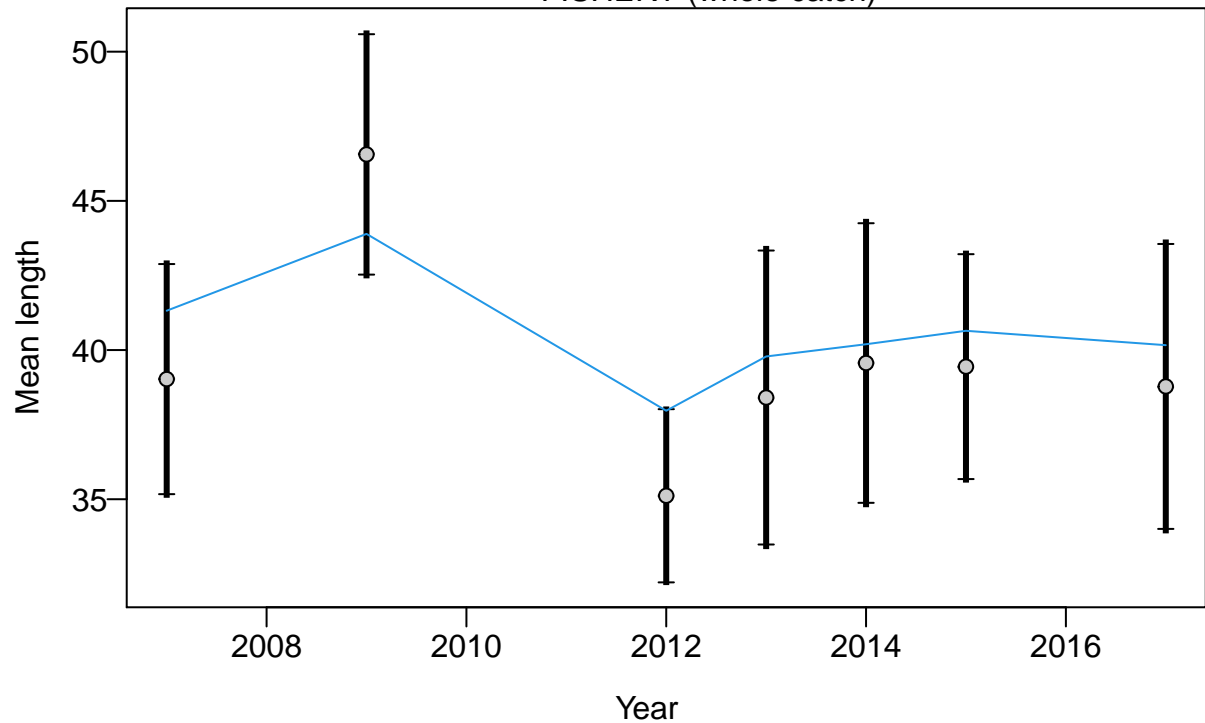
Length (cm)

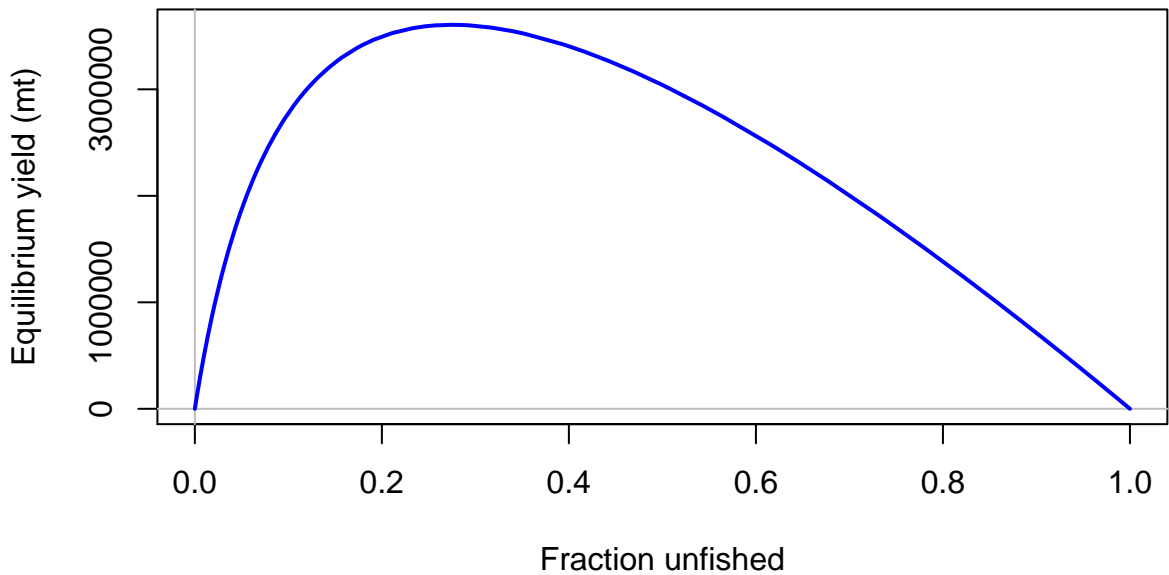


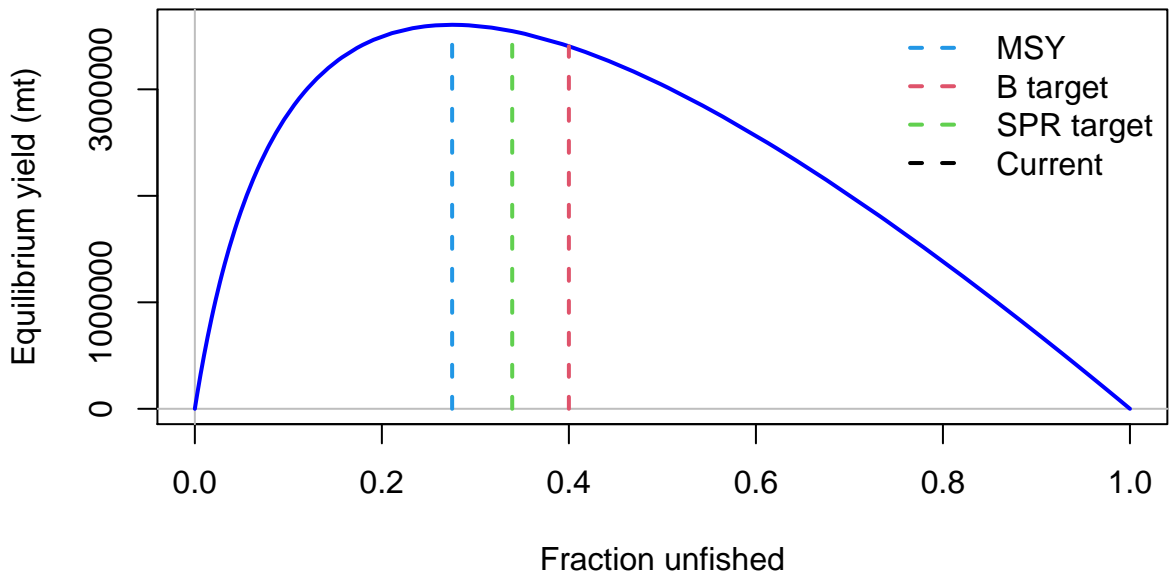
Effective sample size

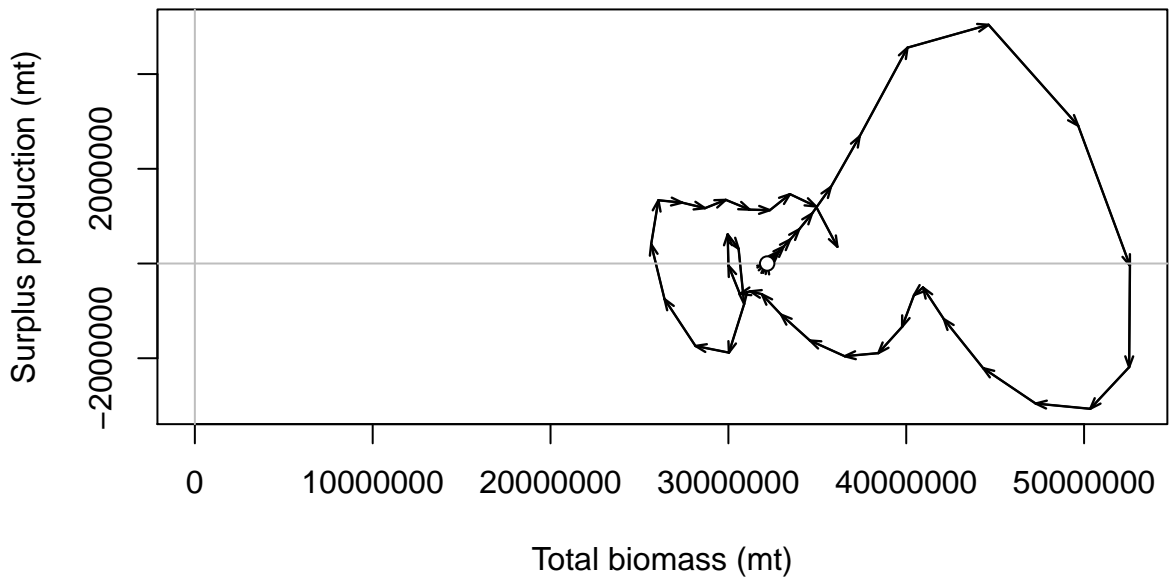


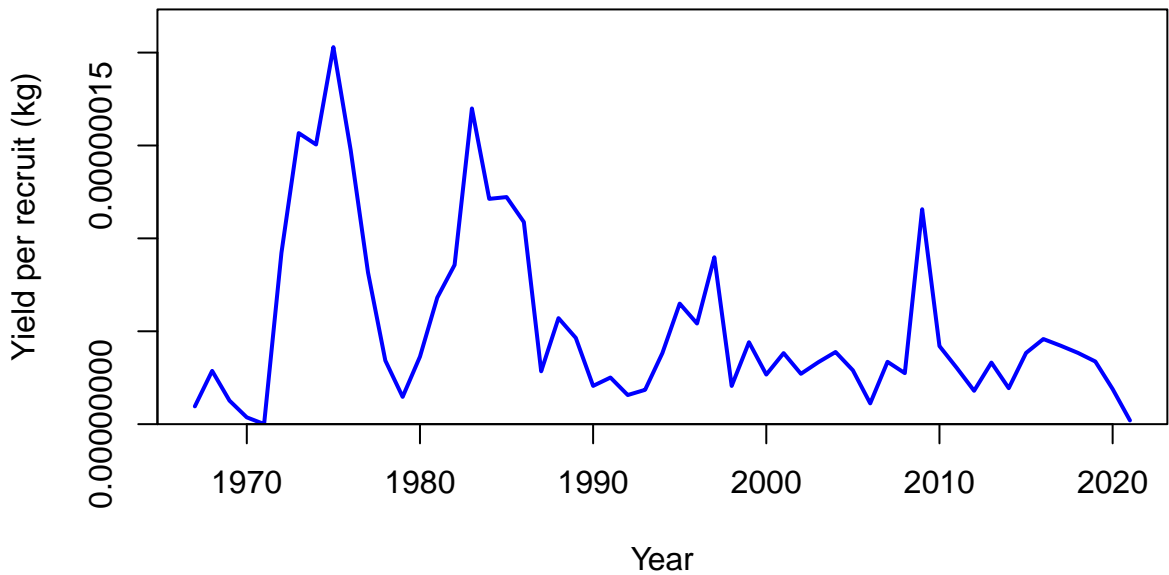
FISHERY (whole catch)



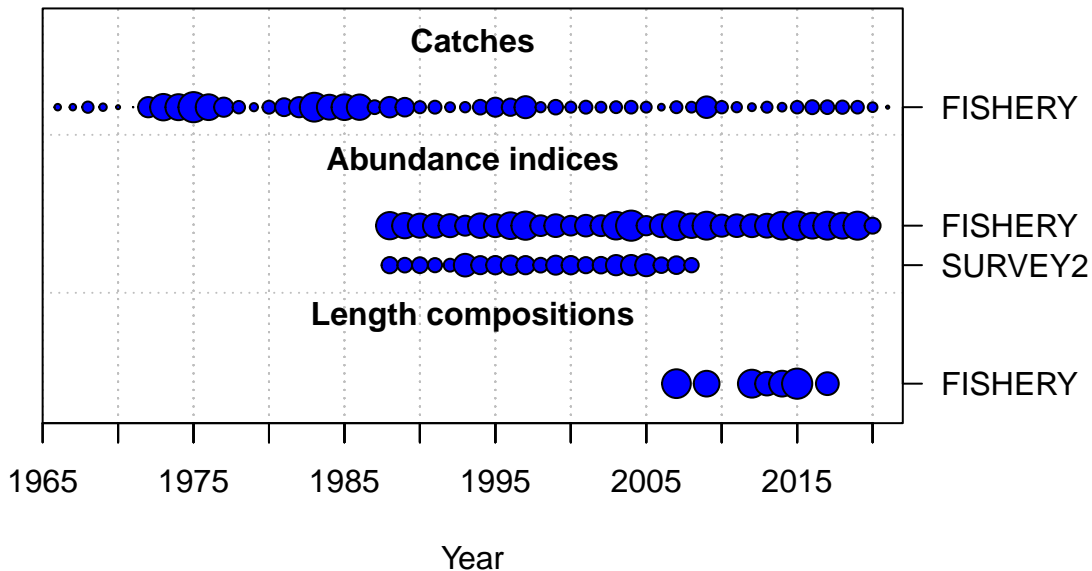






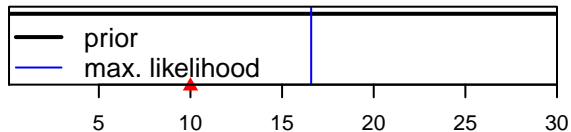




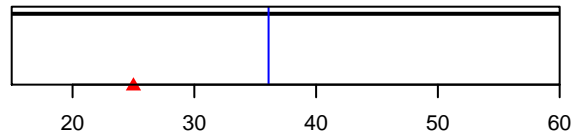


Density

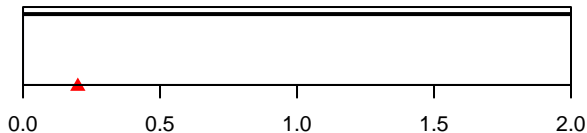
SR_LN(R0)



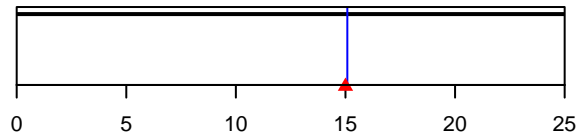
Size_inflection_FISHERY(1)



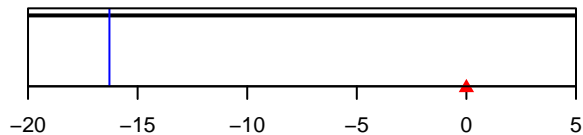
InitF_seas_1_flt_1FISHERY



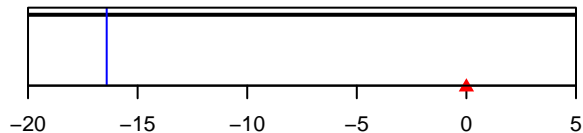
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value