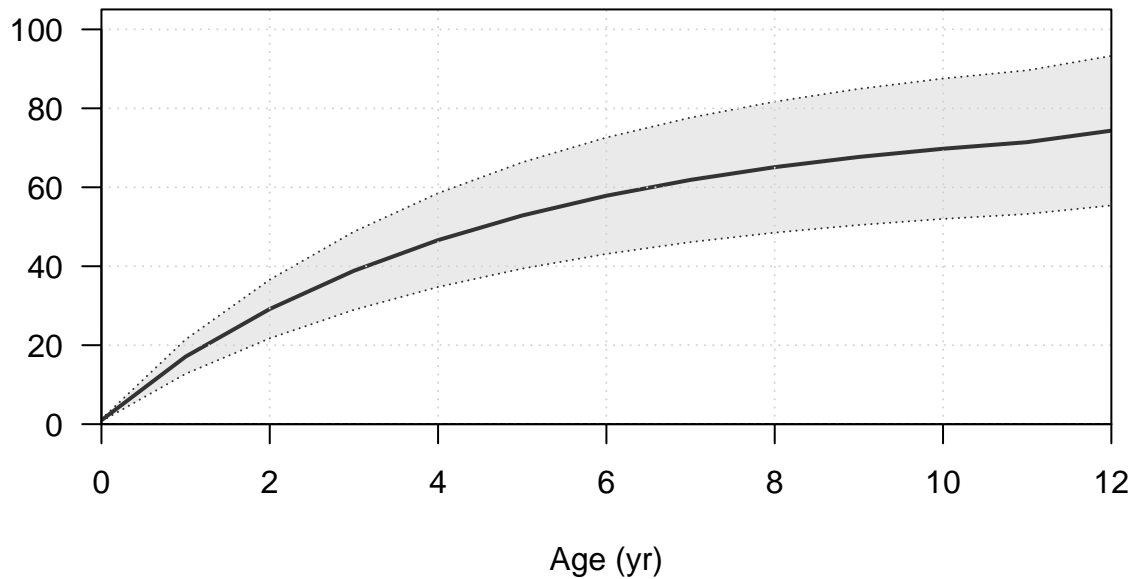
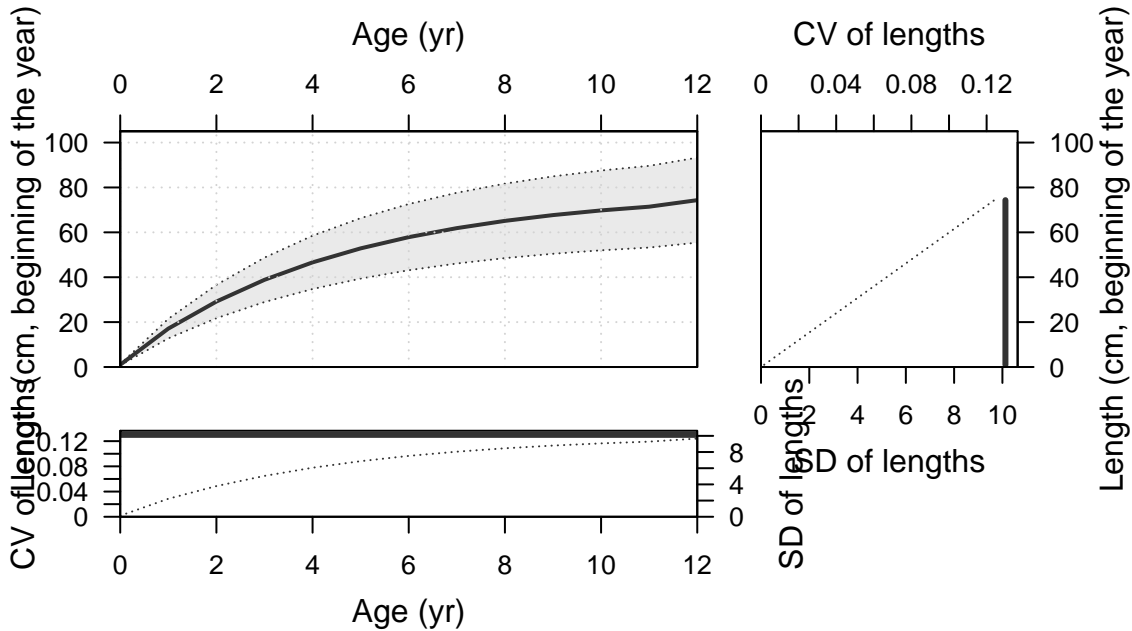
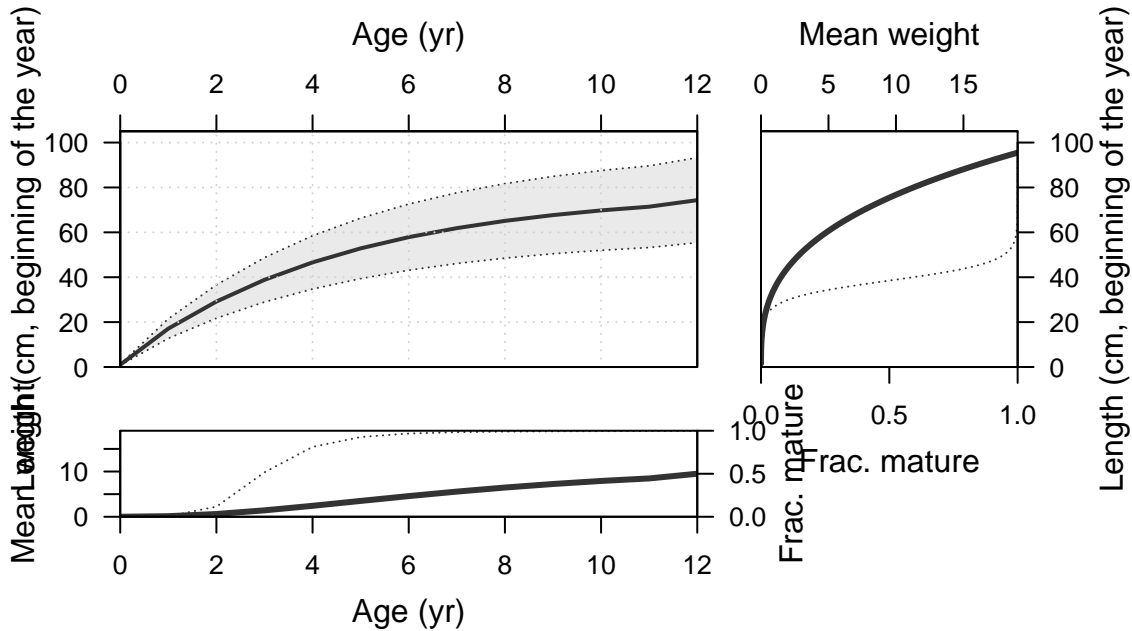


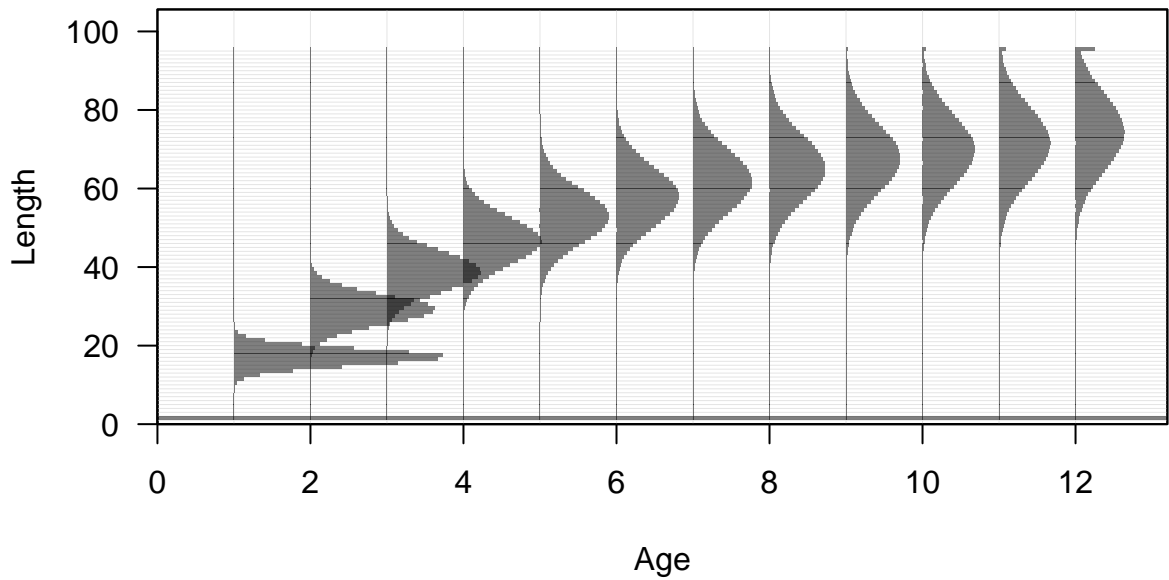
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Mon Jul 11 16:31:15 2022
Data_File: data.ss
Control_File: control.ss

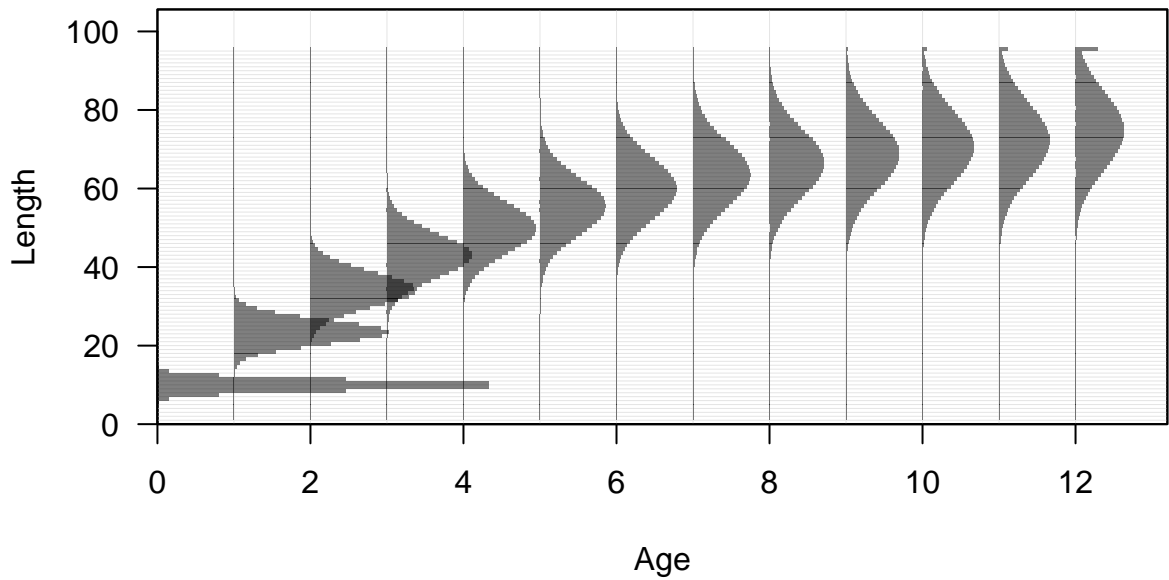
Length (cm, beginning of the year)

















Fecundity

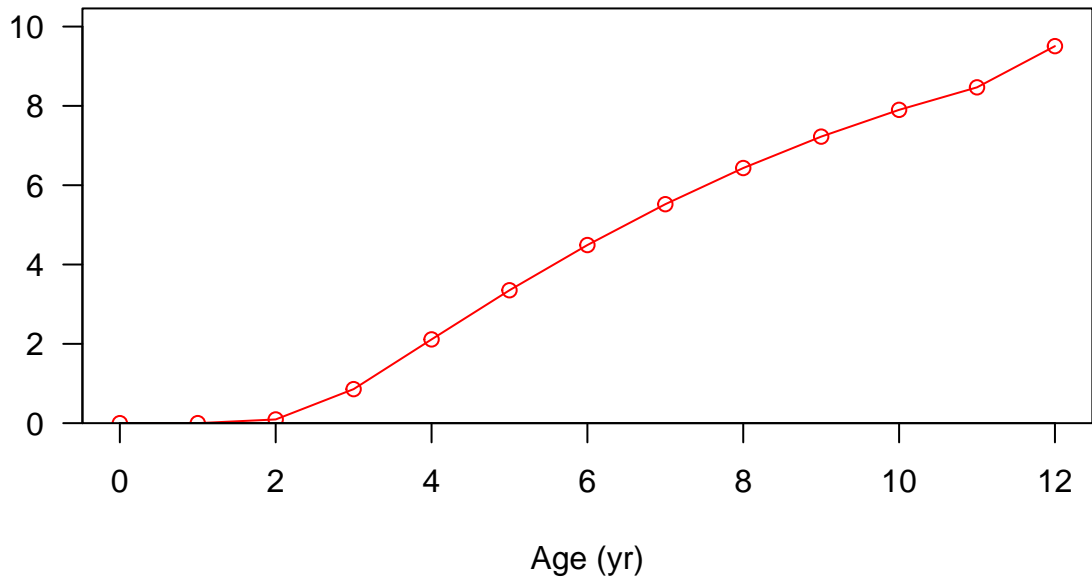




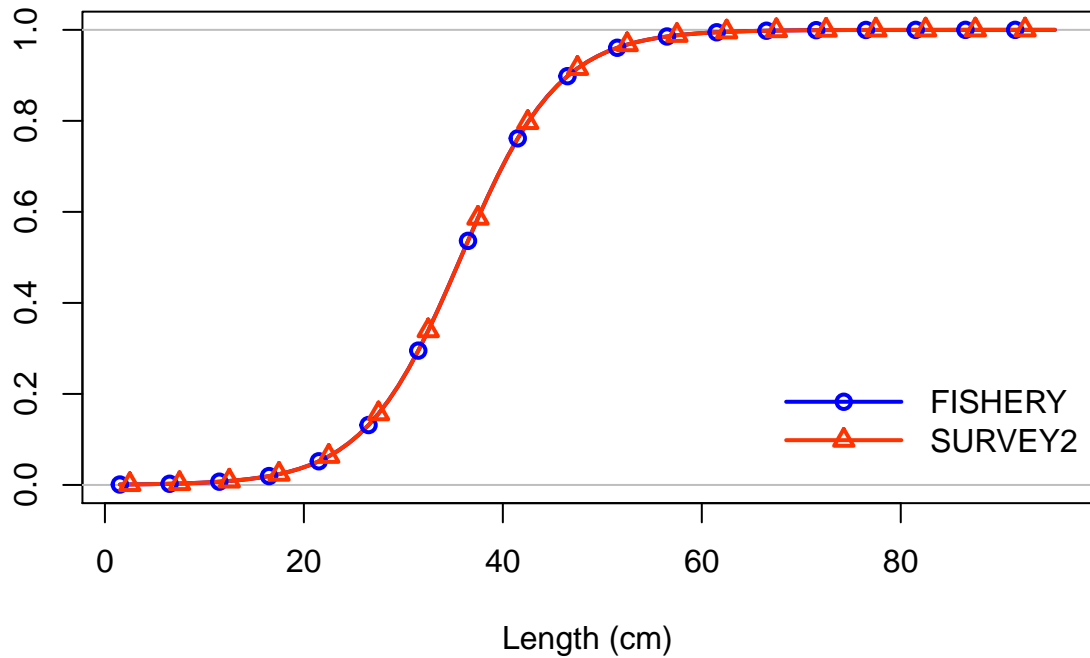
Spawning output



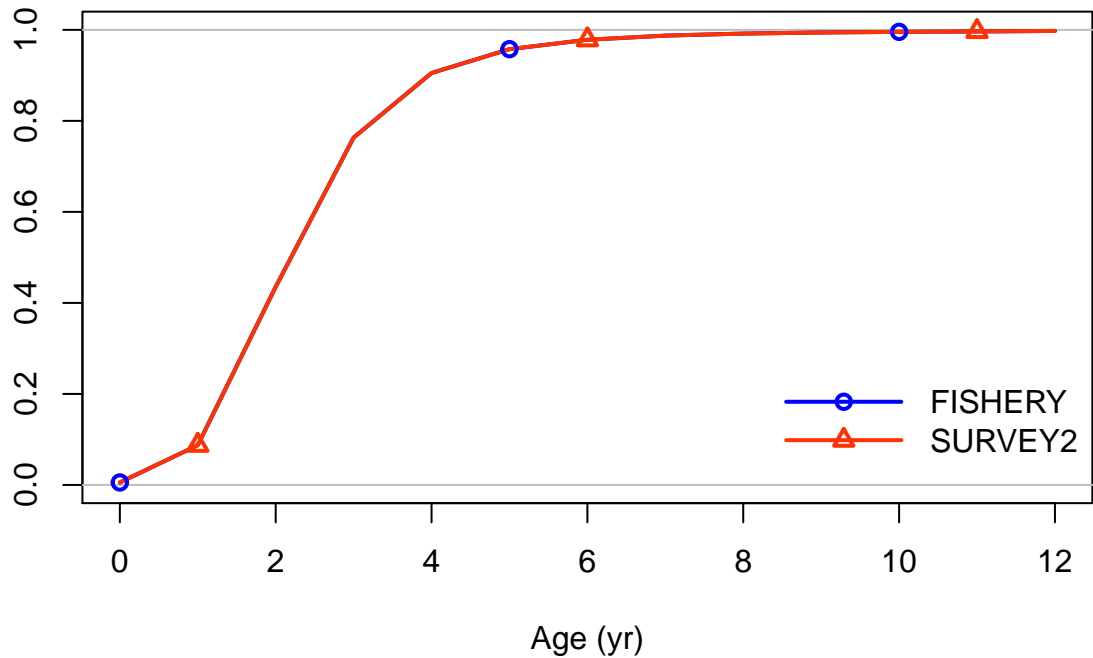
Spawning output



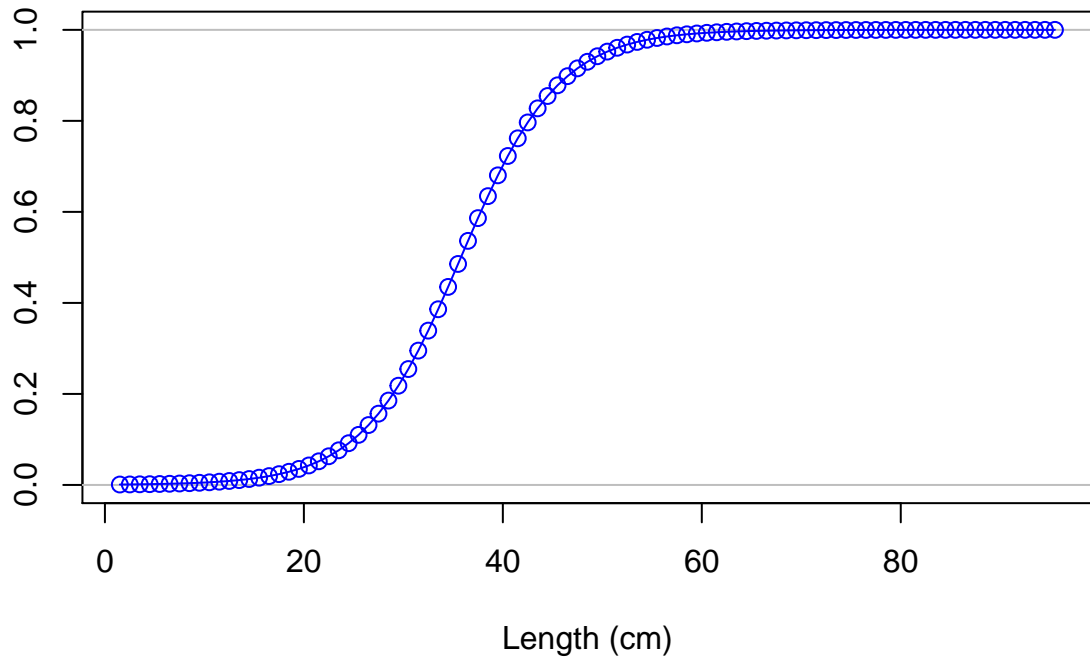
Selectivity



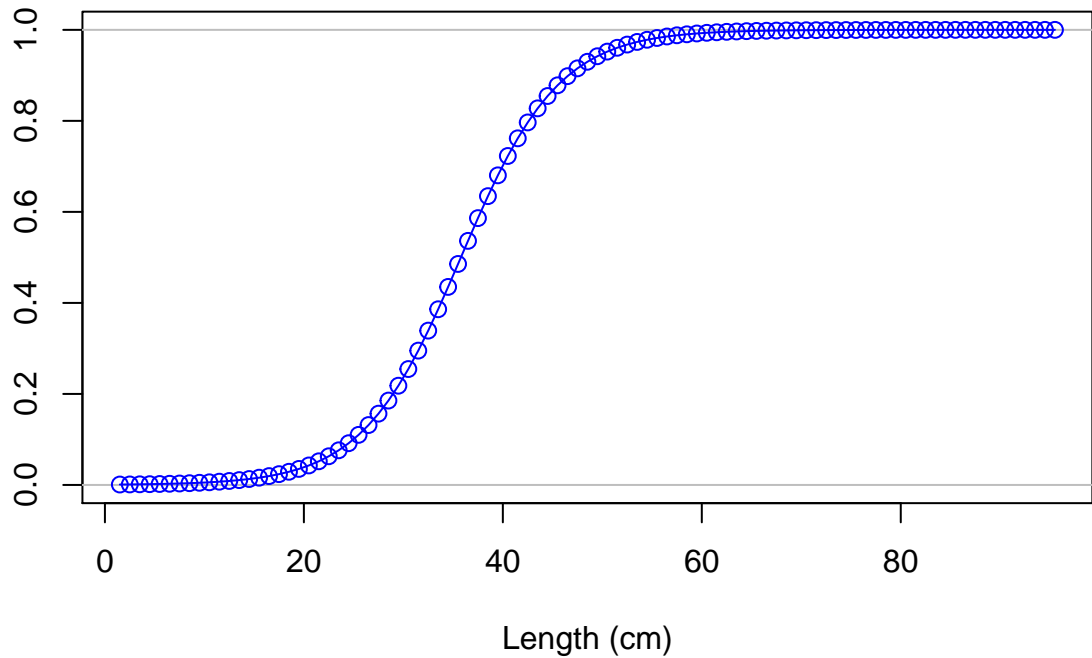
Selectivity

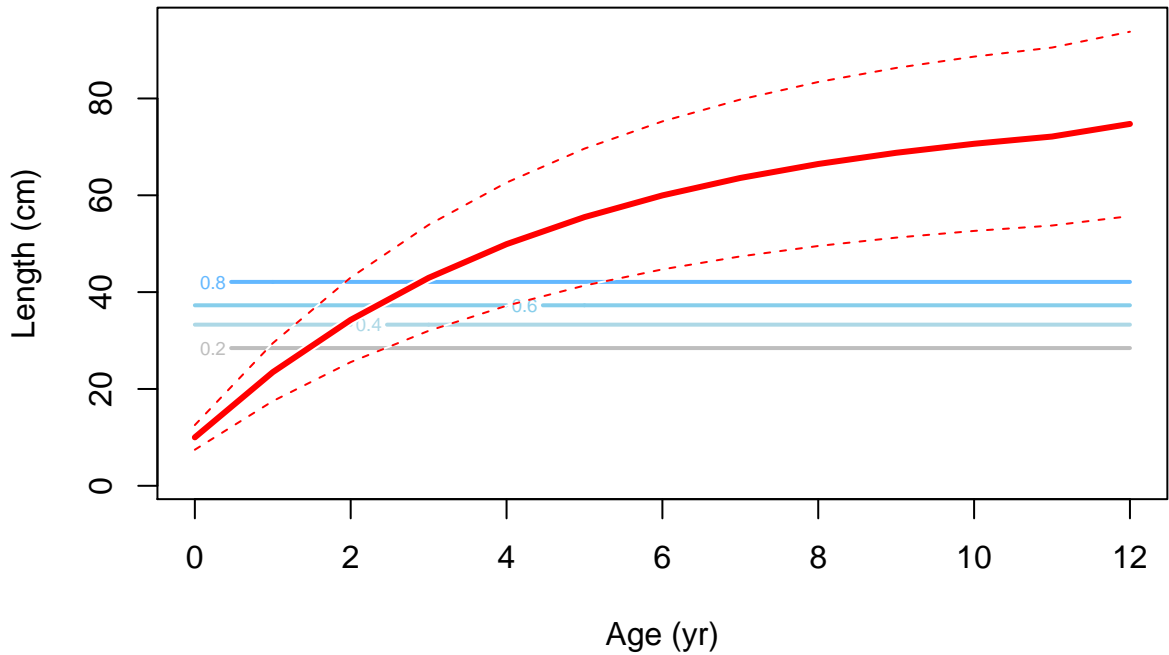


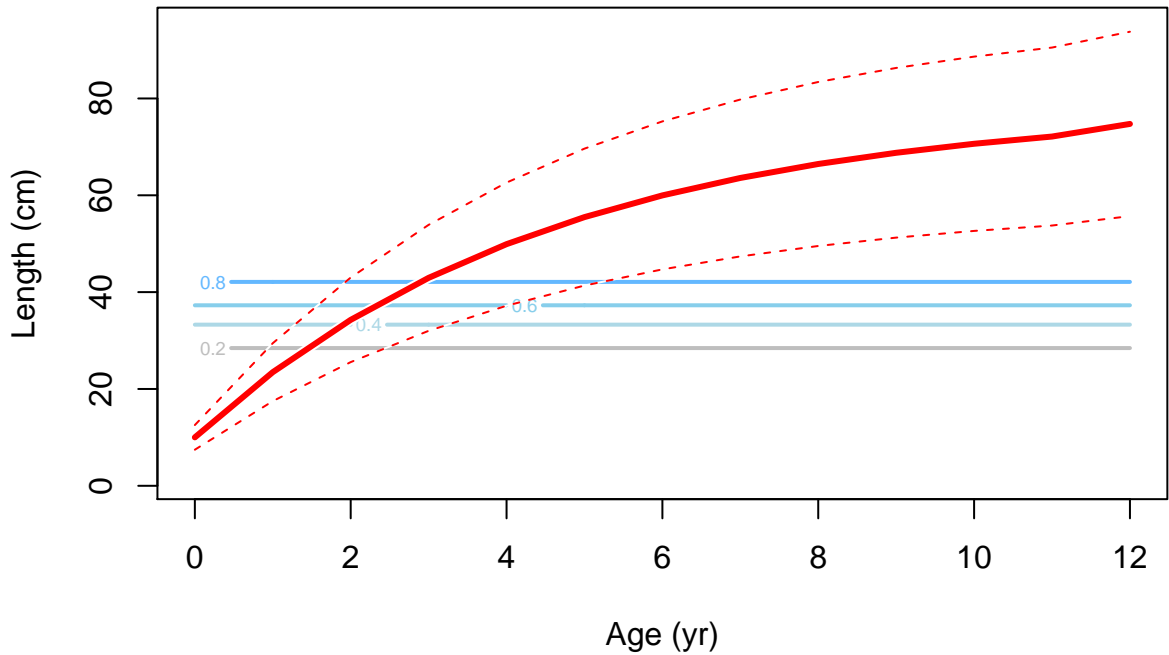
Selectivity



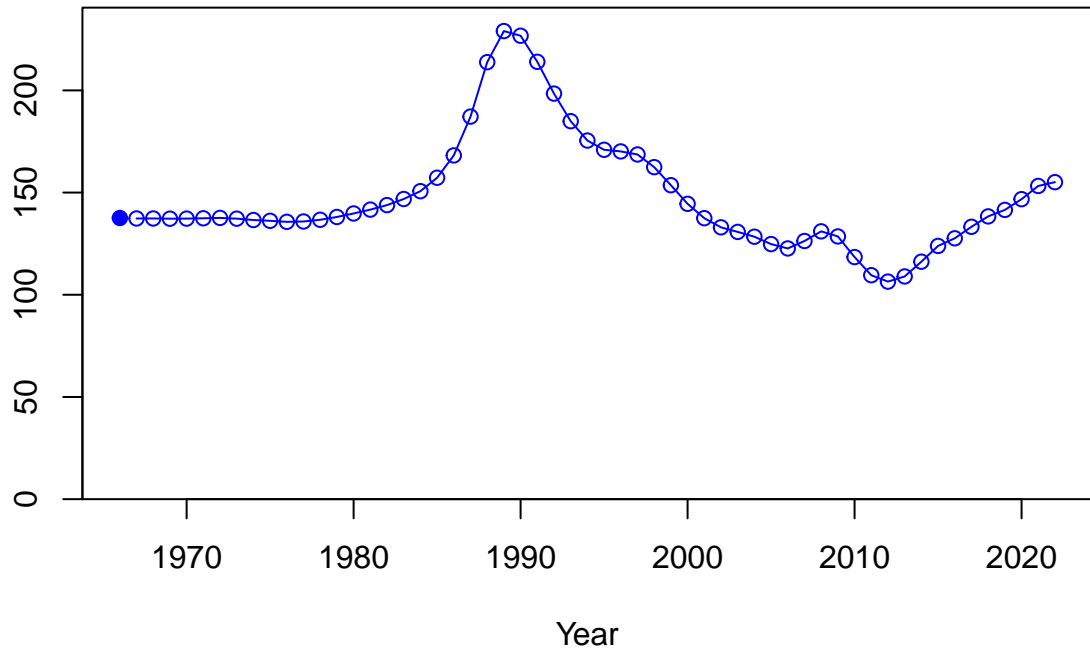
Selectivity



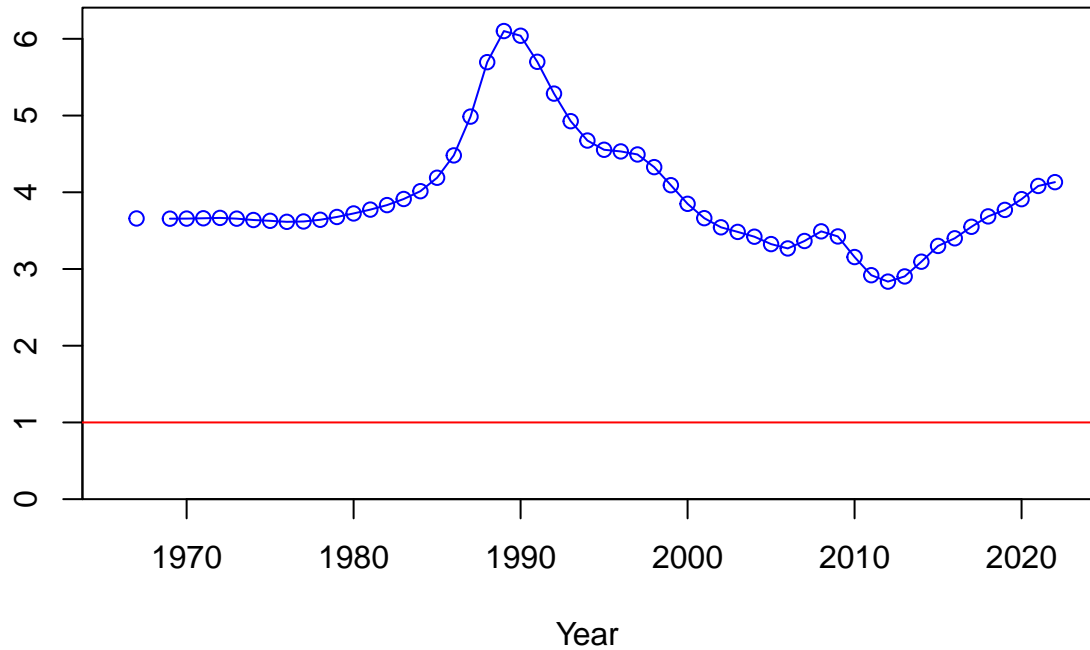


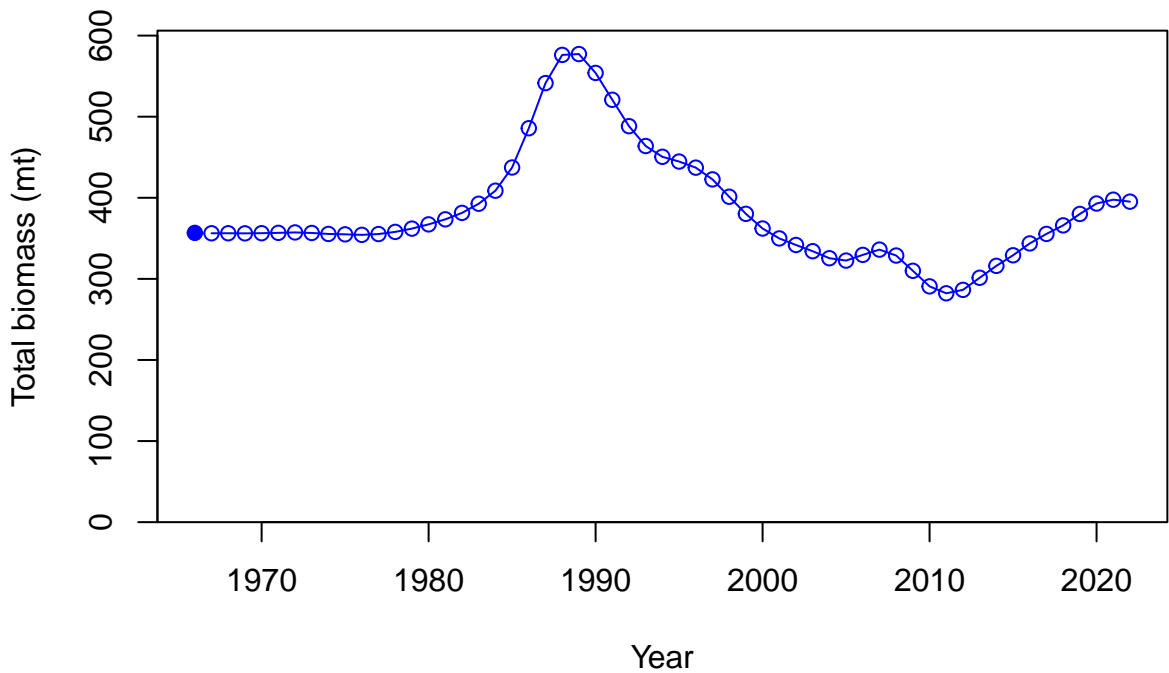


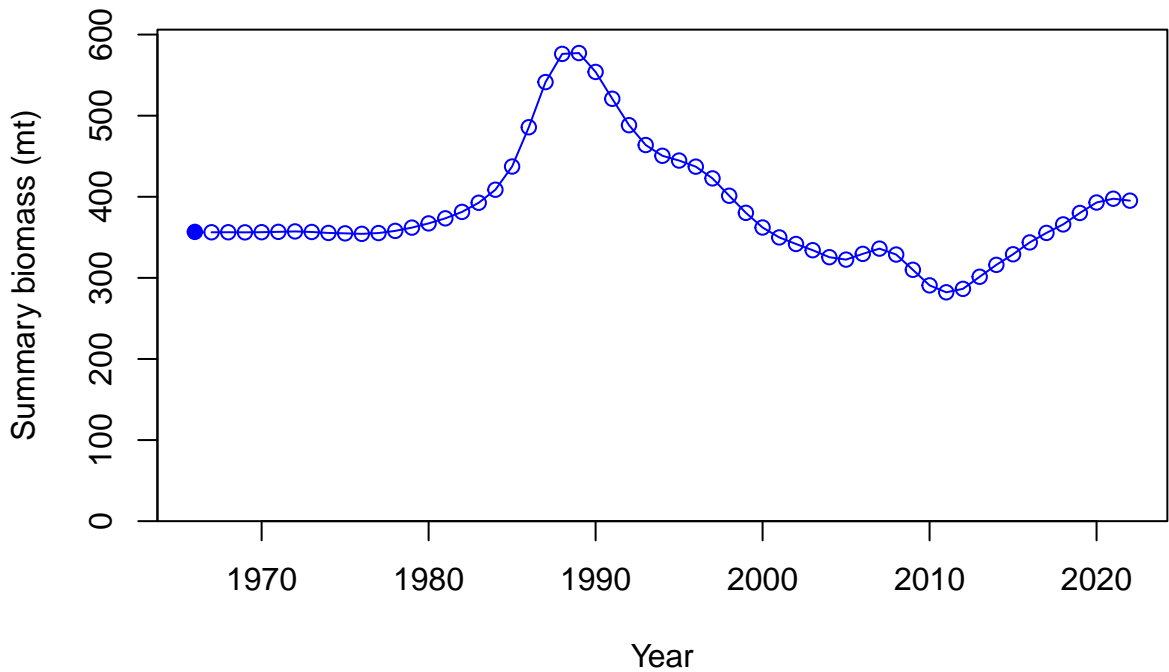
Spawning biomass (mt)



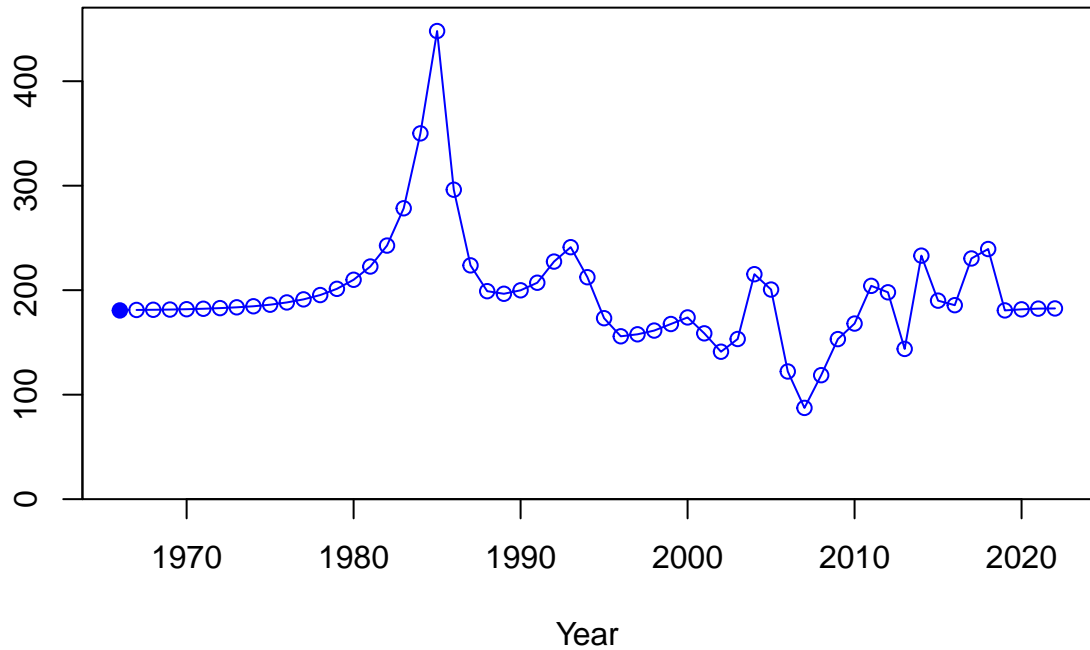
Relative spawning biomass: B/B_{MSY}



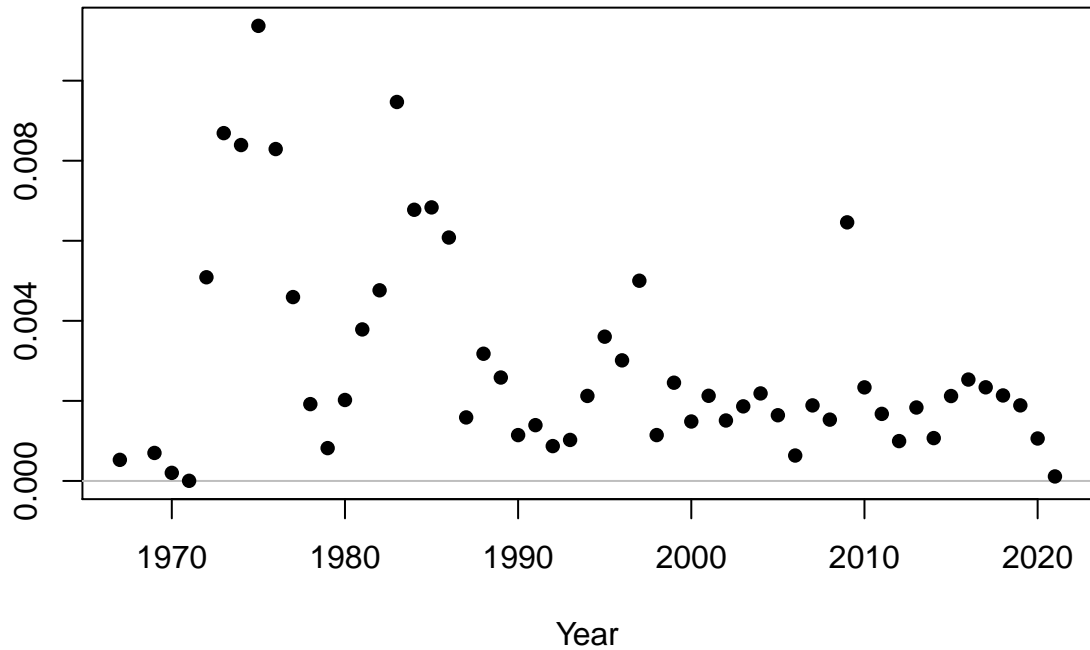


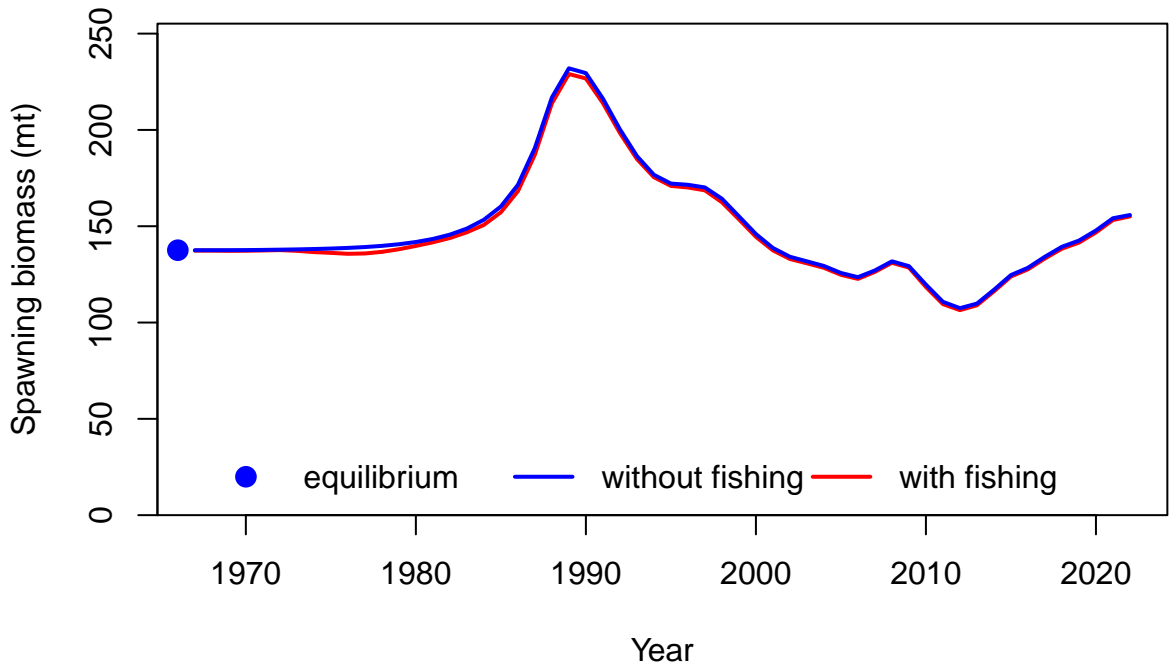


Age-0 recruits (1,000s)

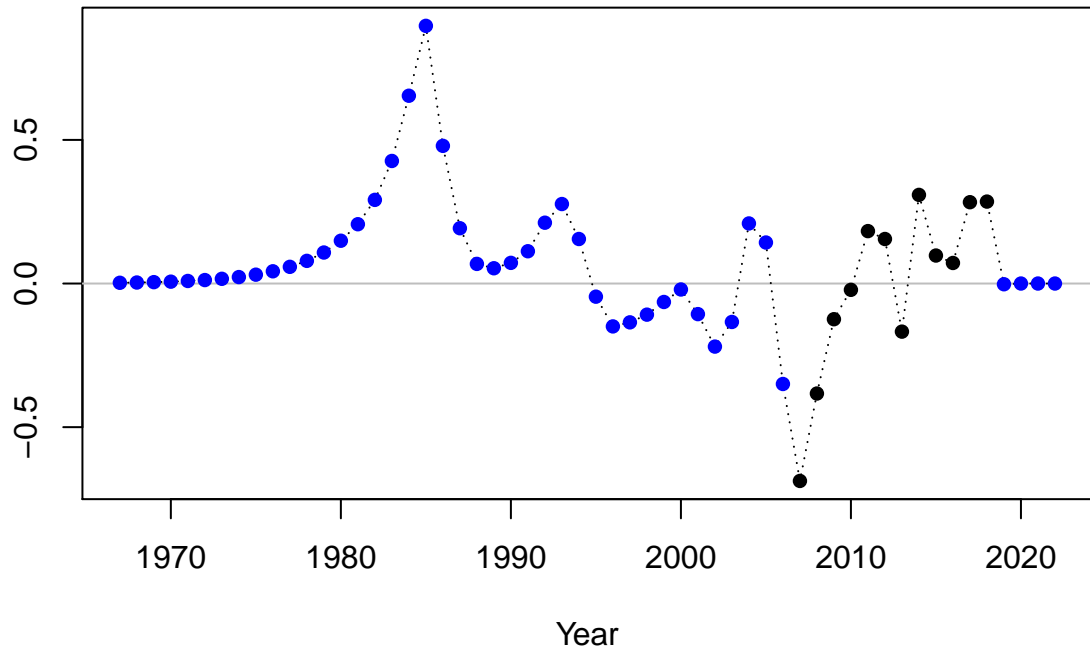


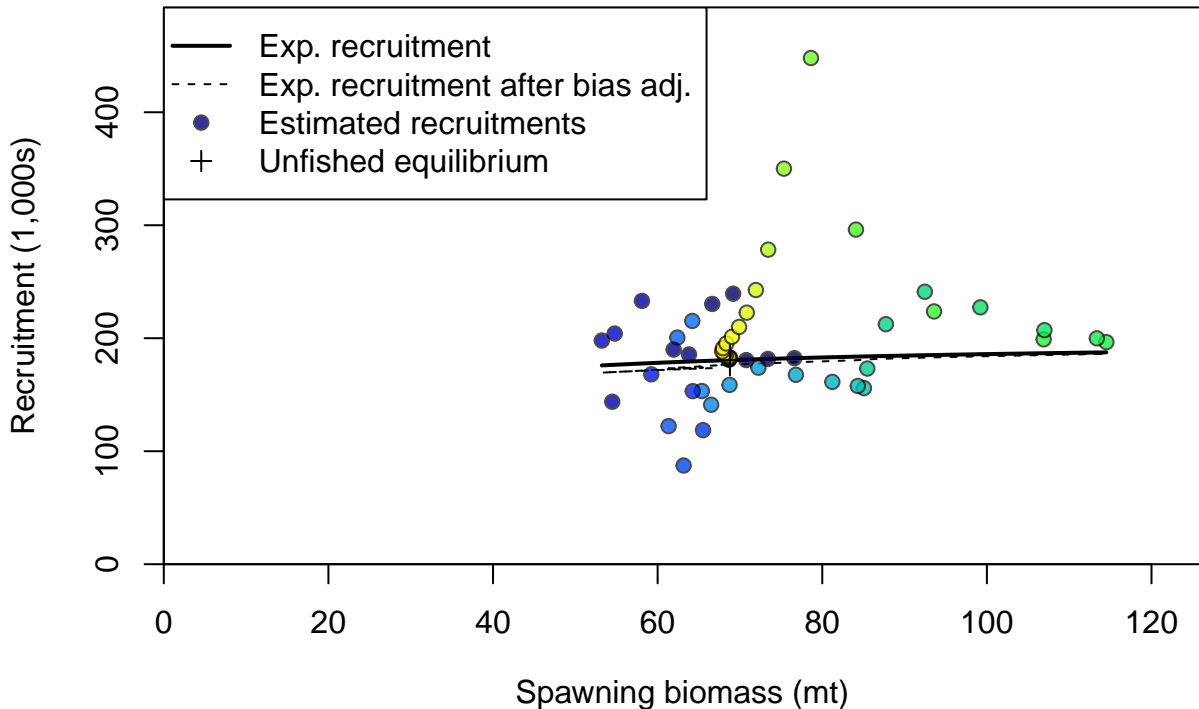
Summary Fishing Mortality

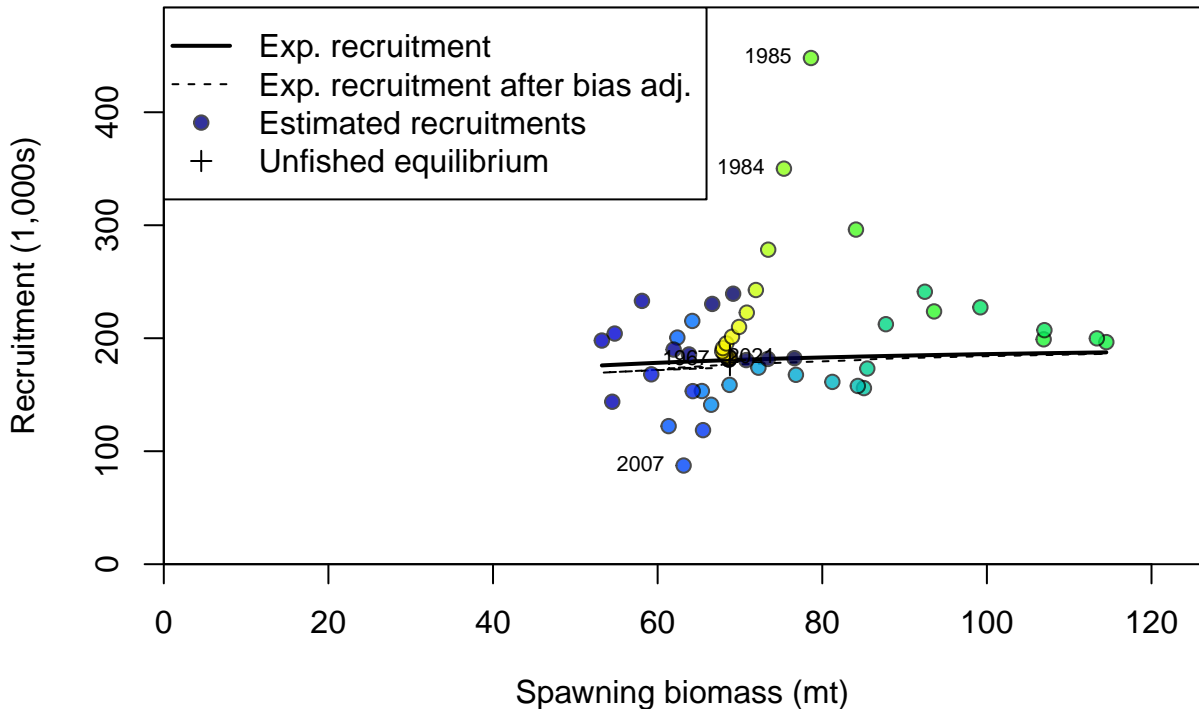




Log recruitment deviation







Log recruitment deviation

0.5
0.0
-0.5

0.0

0.5

1.0

1.5

Spawning output (relative to B_0)

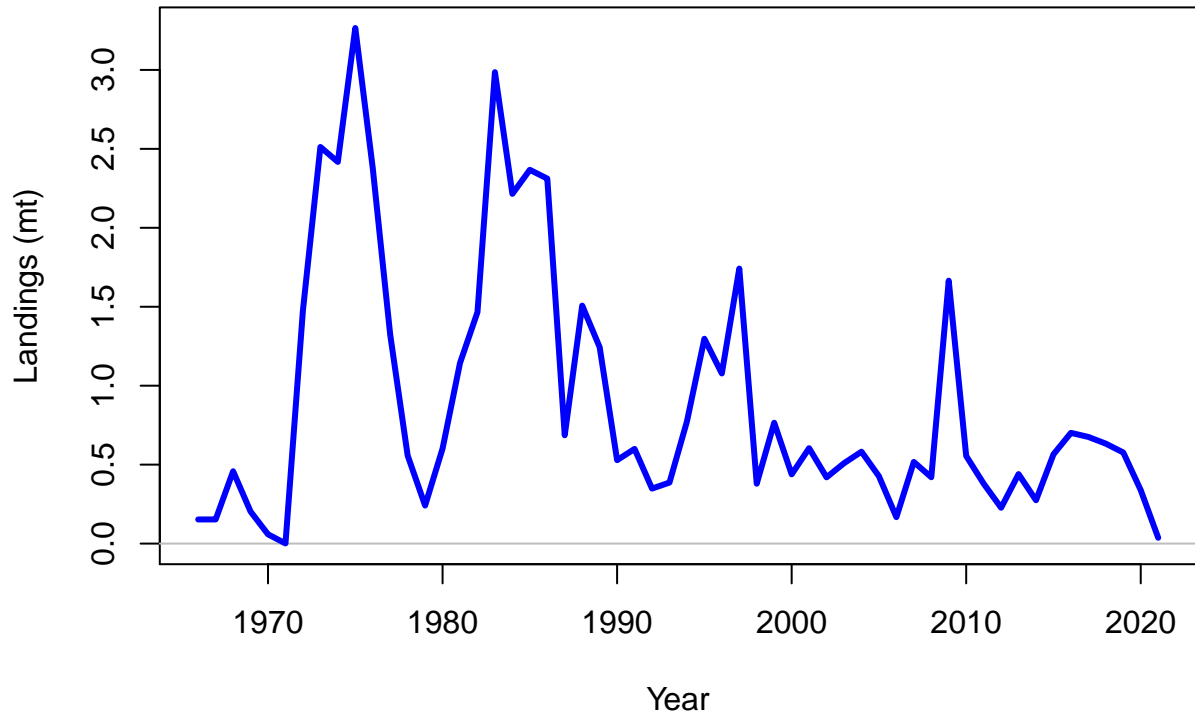
2007

1967

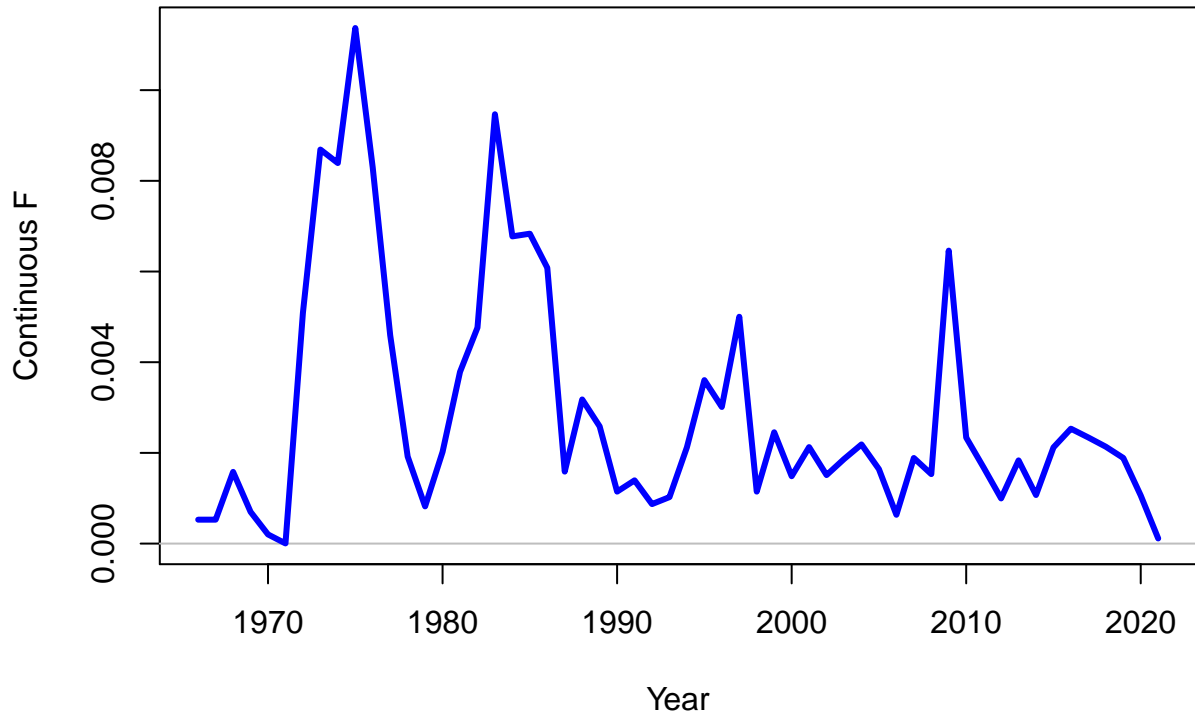
1992

1984

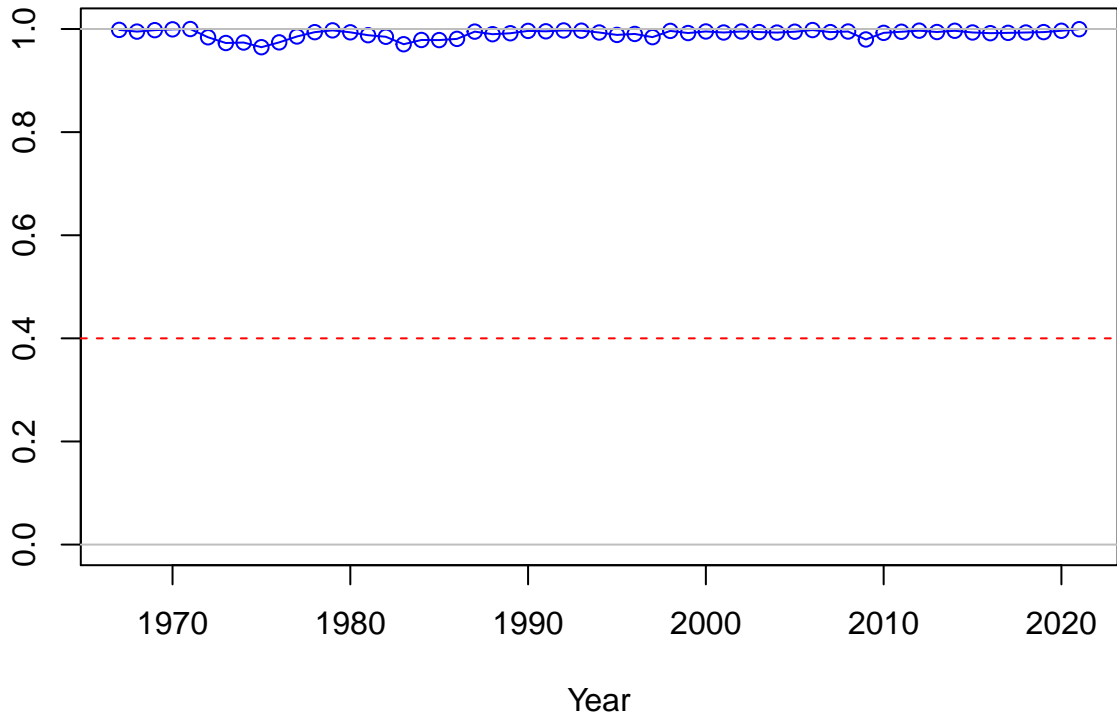
1985



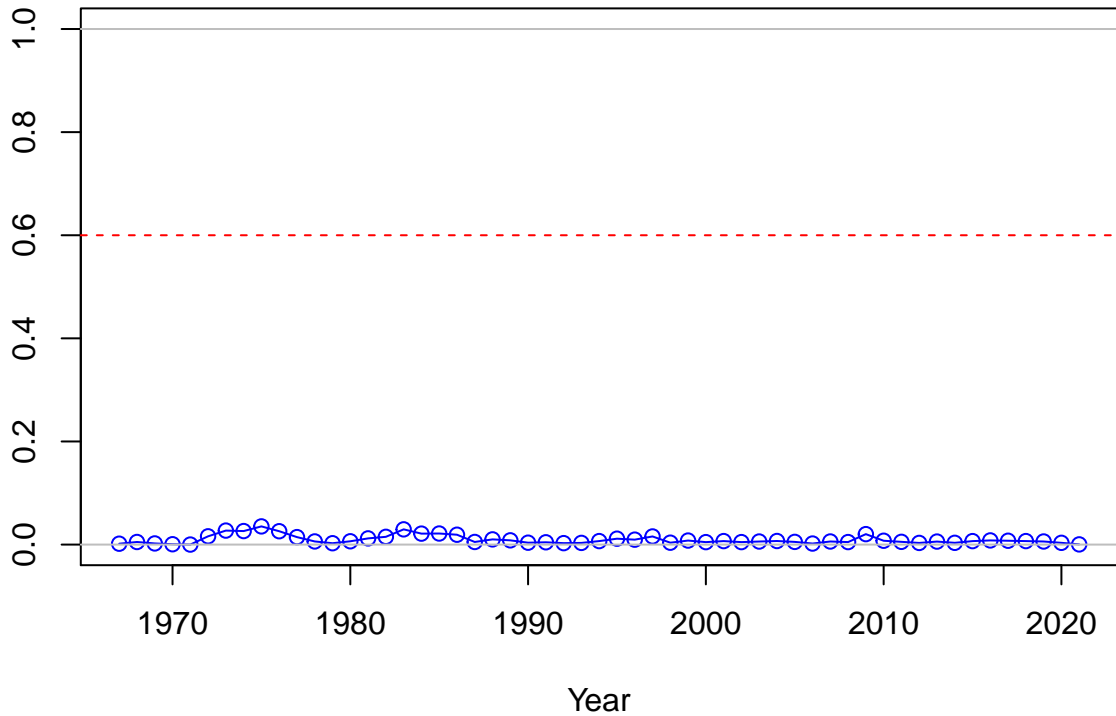




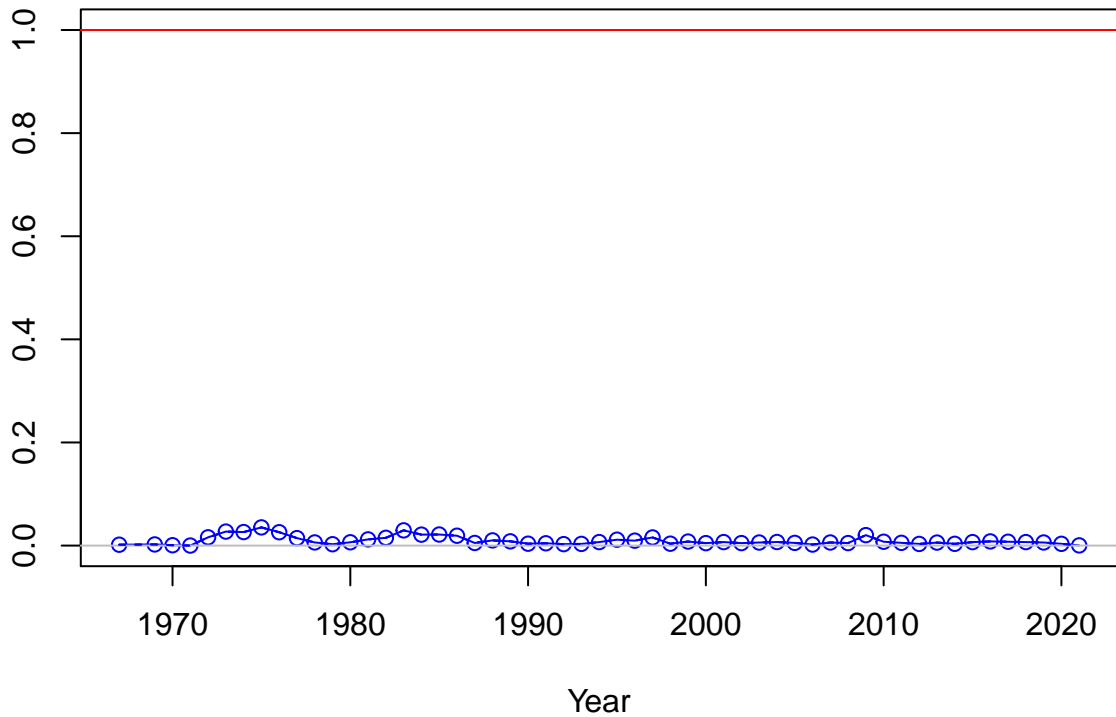
SPR



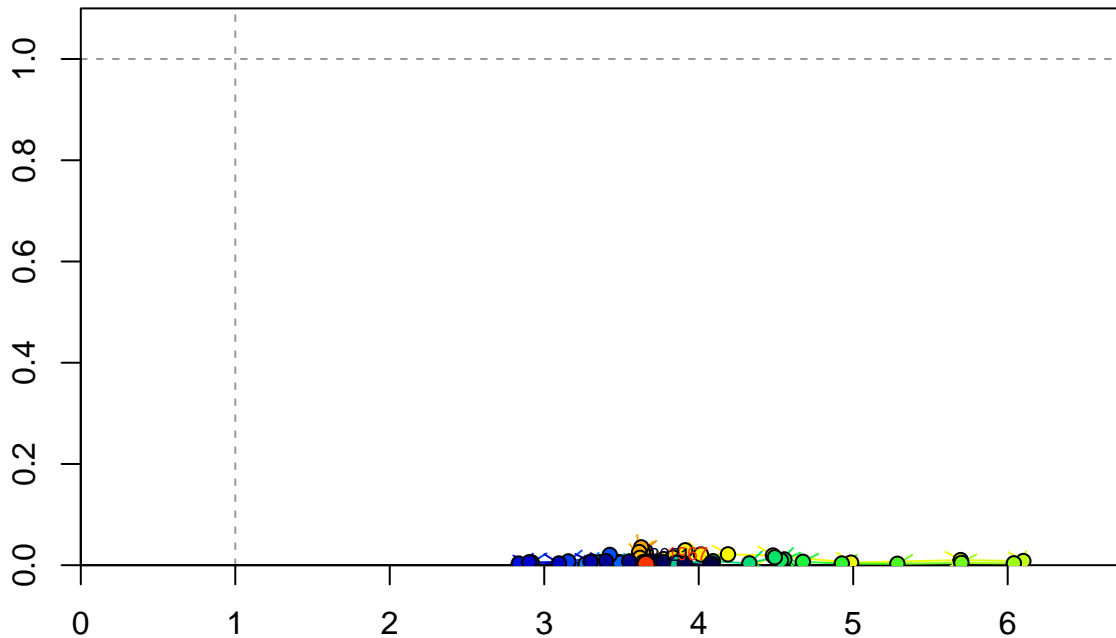
1-SPR



Fishing intensity: 1-SPR

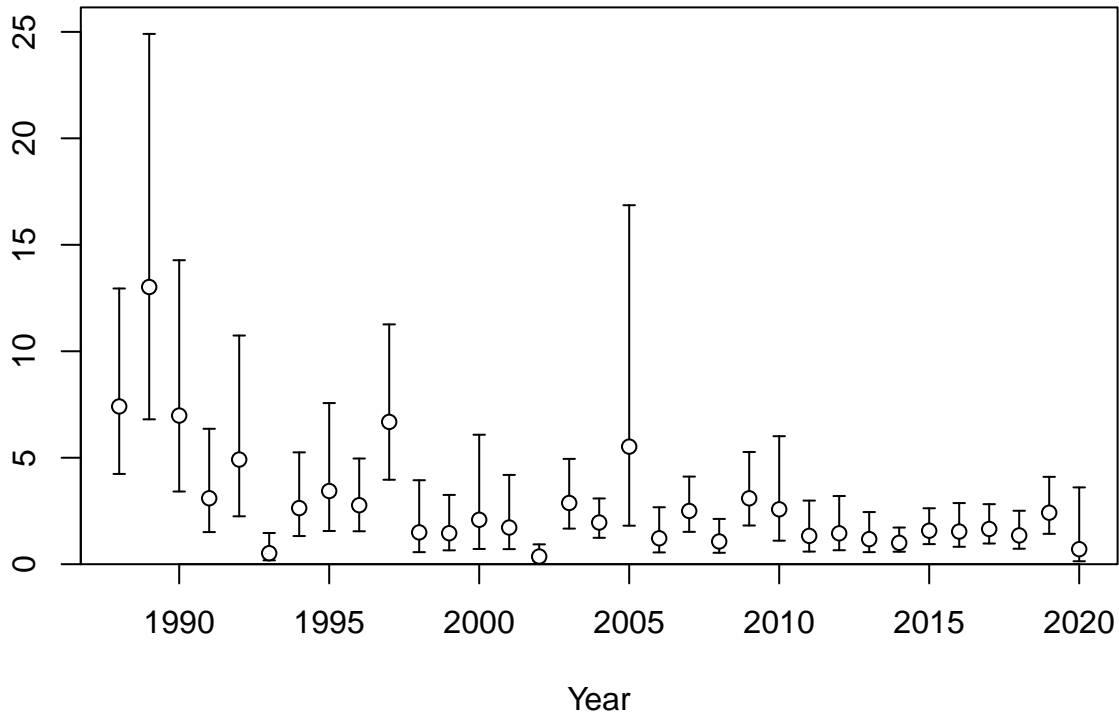


Fishing intensity: 1-SPR

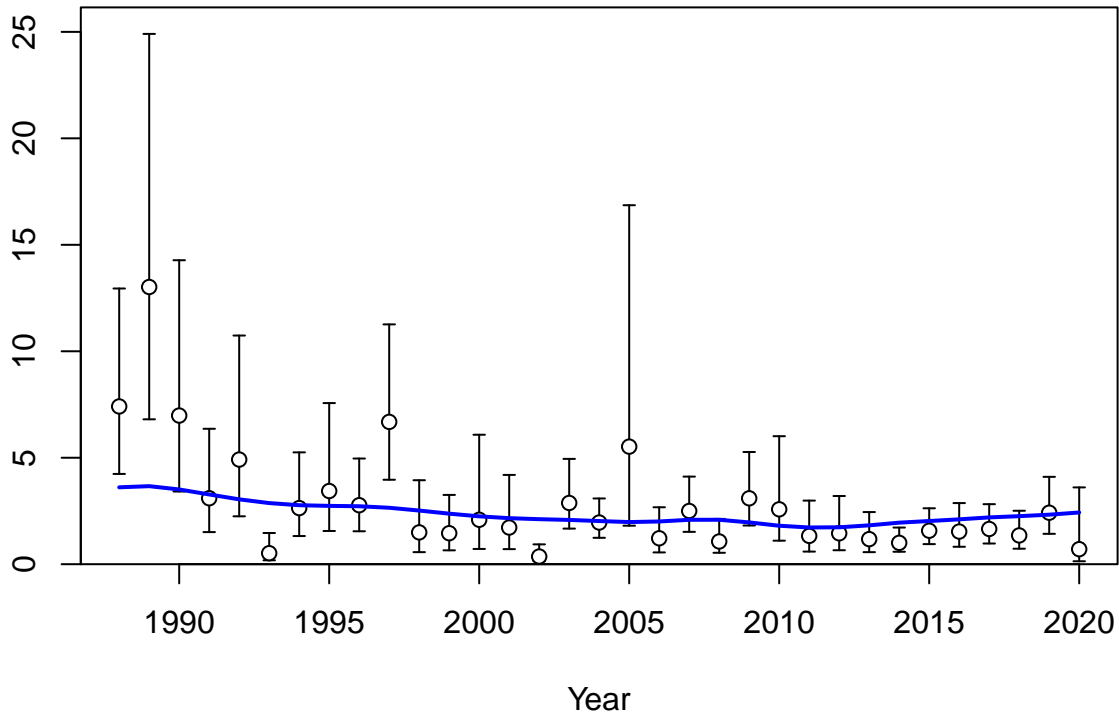


Relative spawning output: B/B_{MSY}

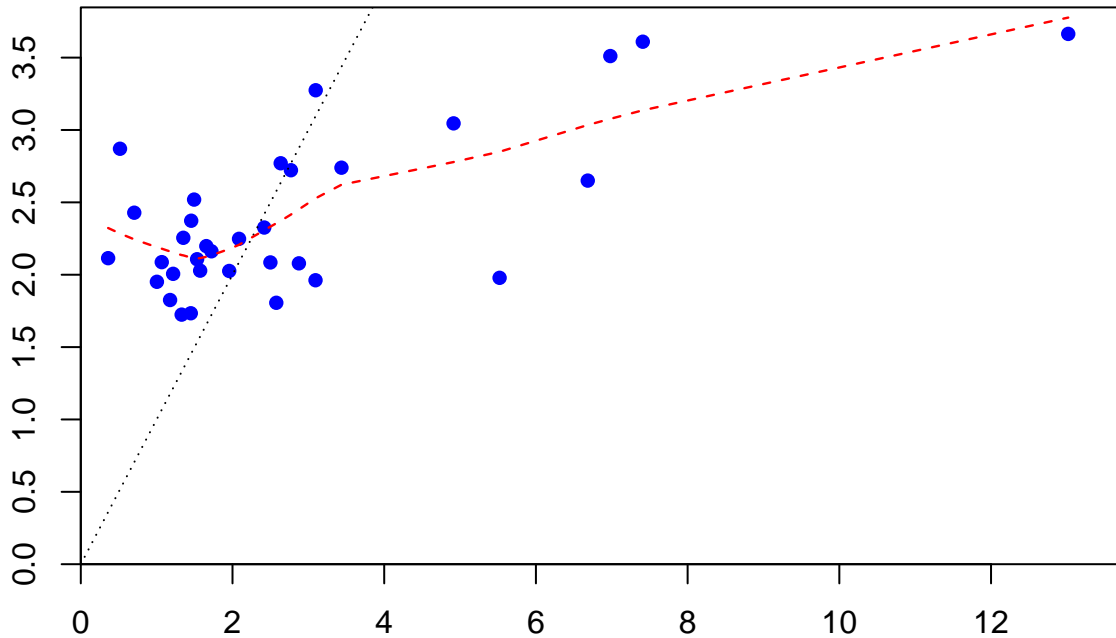
Index



Index

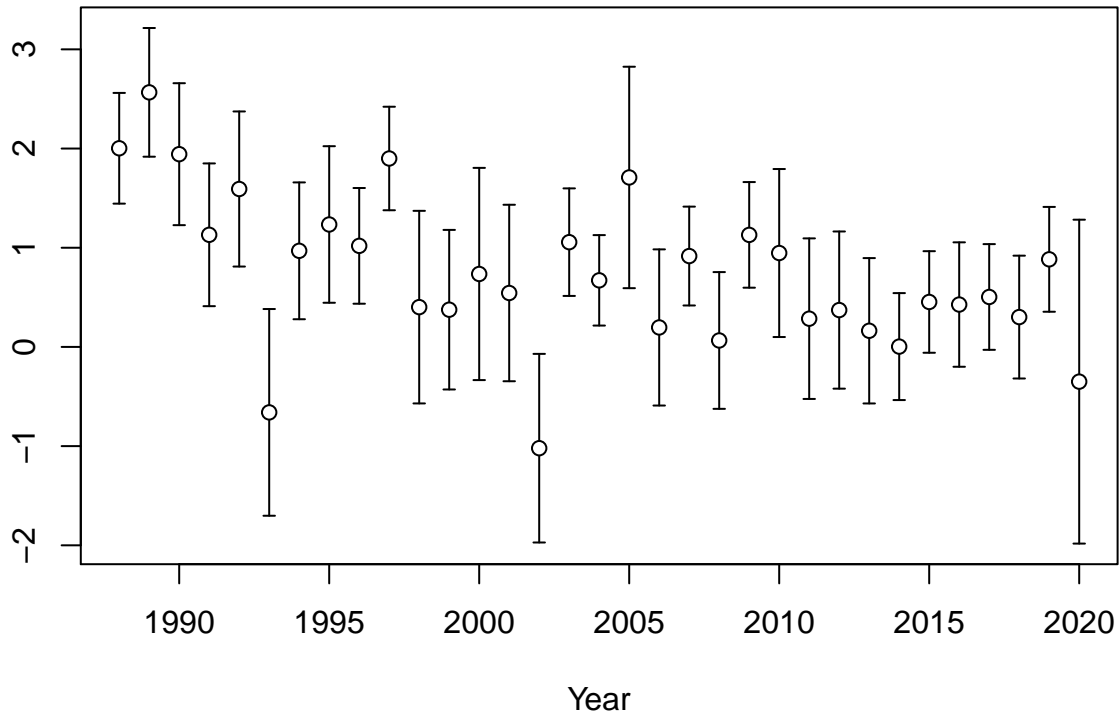


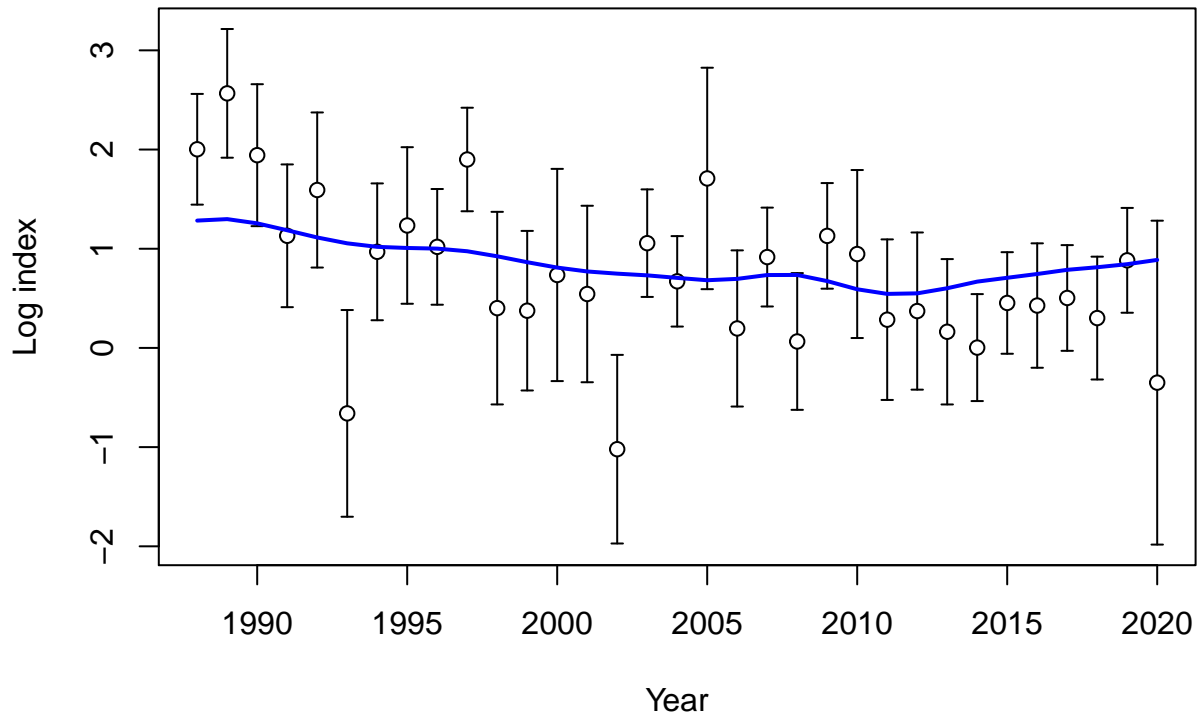
Expected index

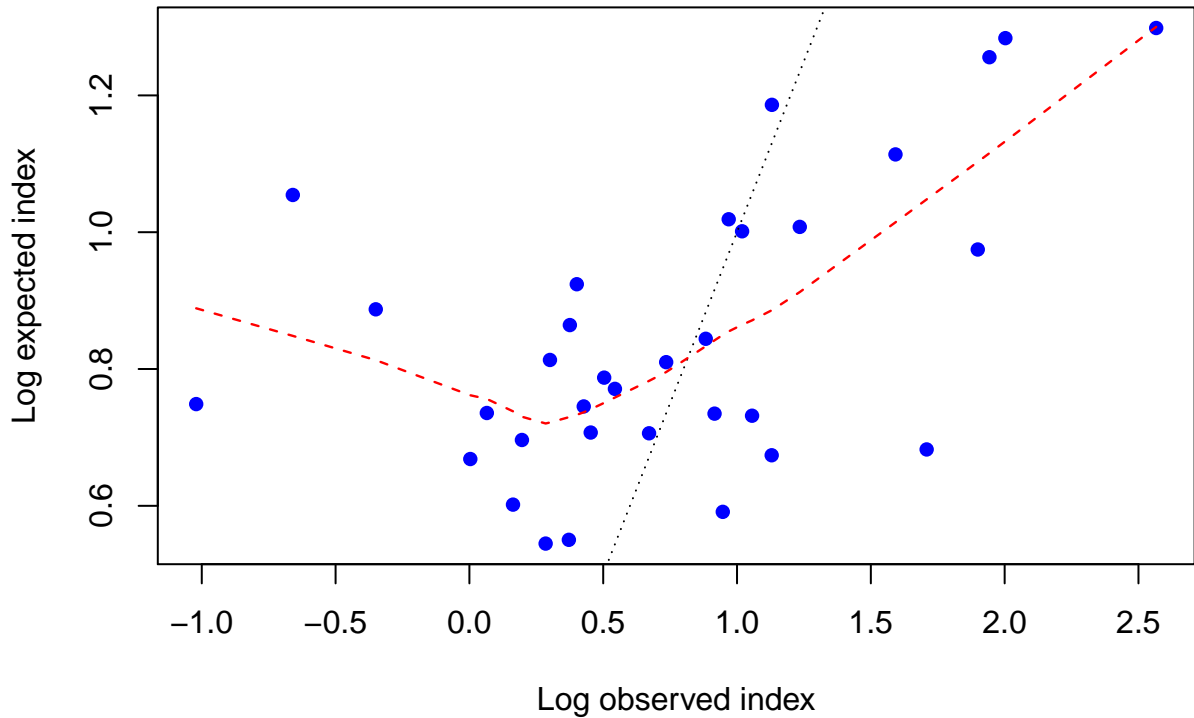


Observed index

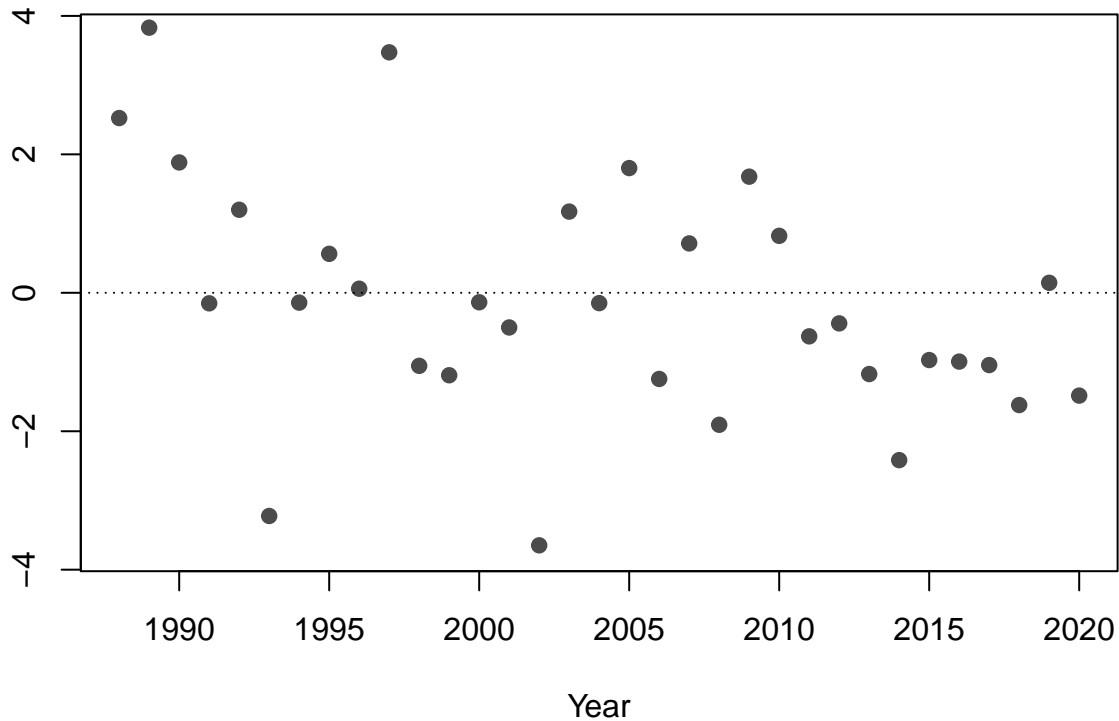
Log index

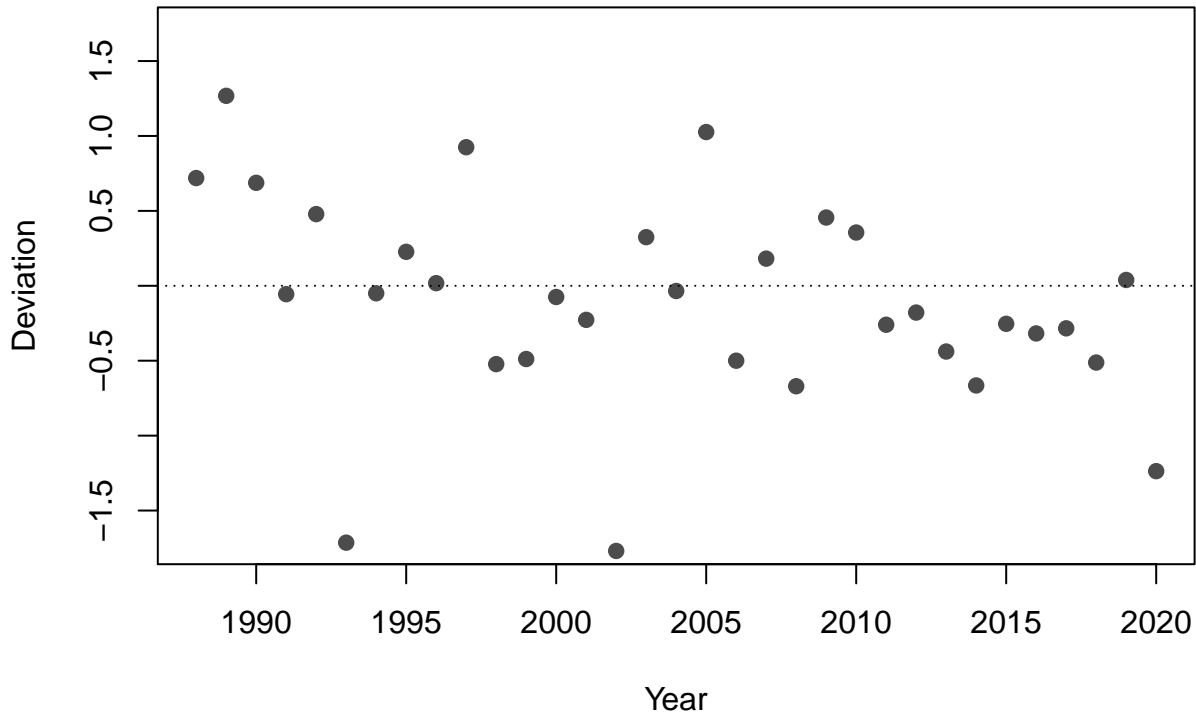




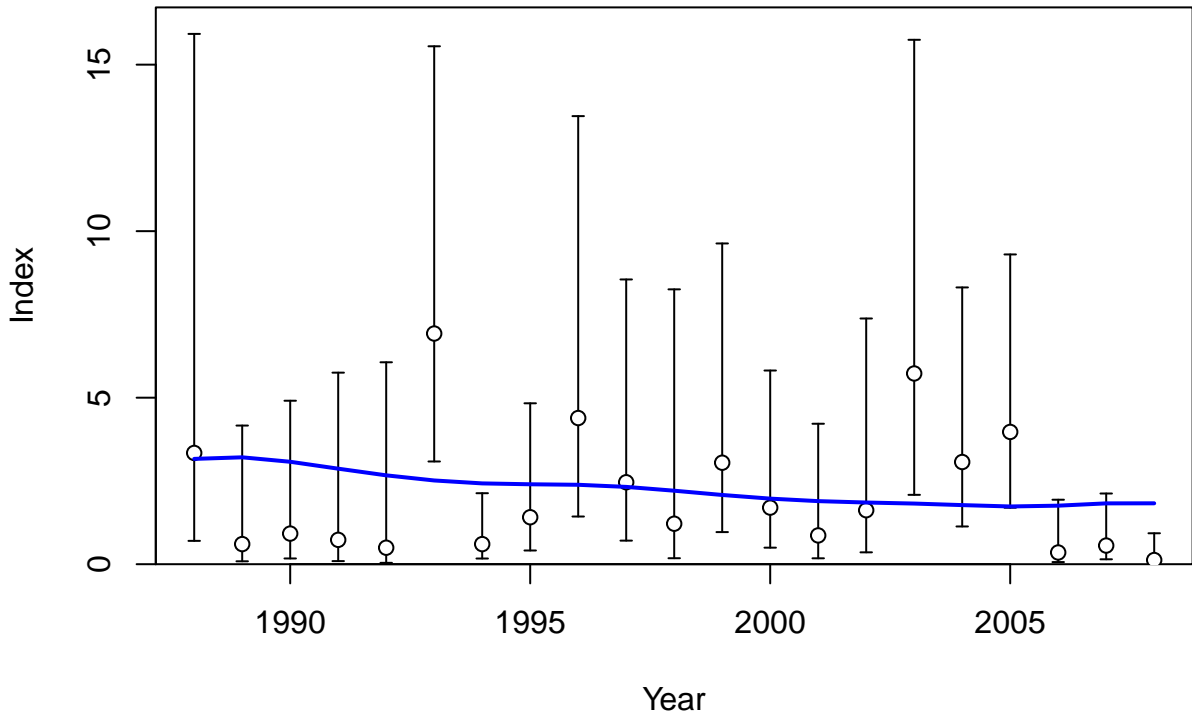


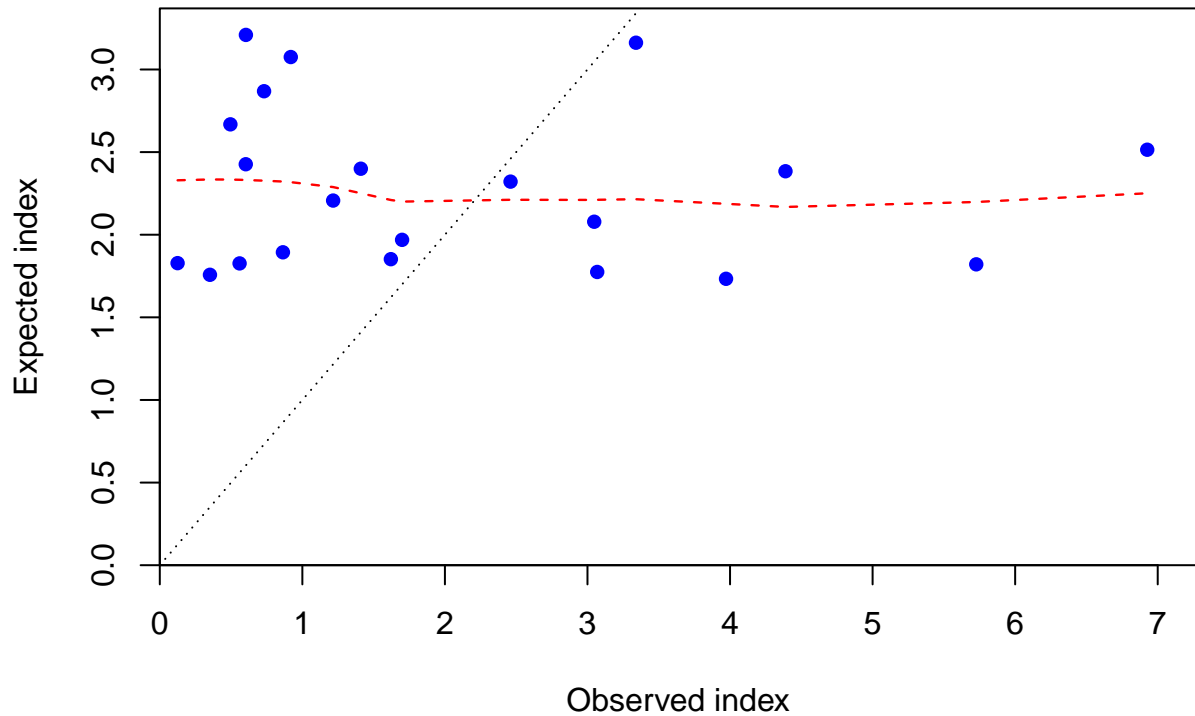
Residual







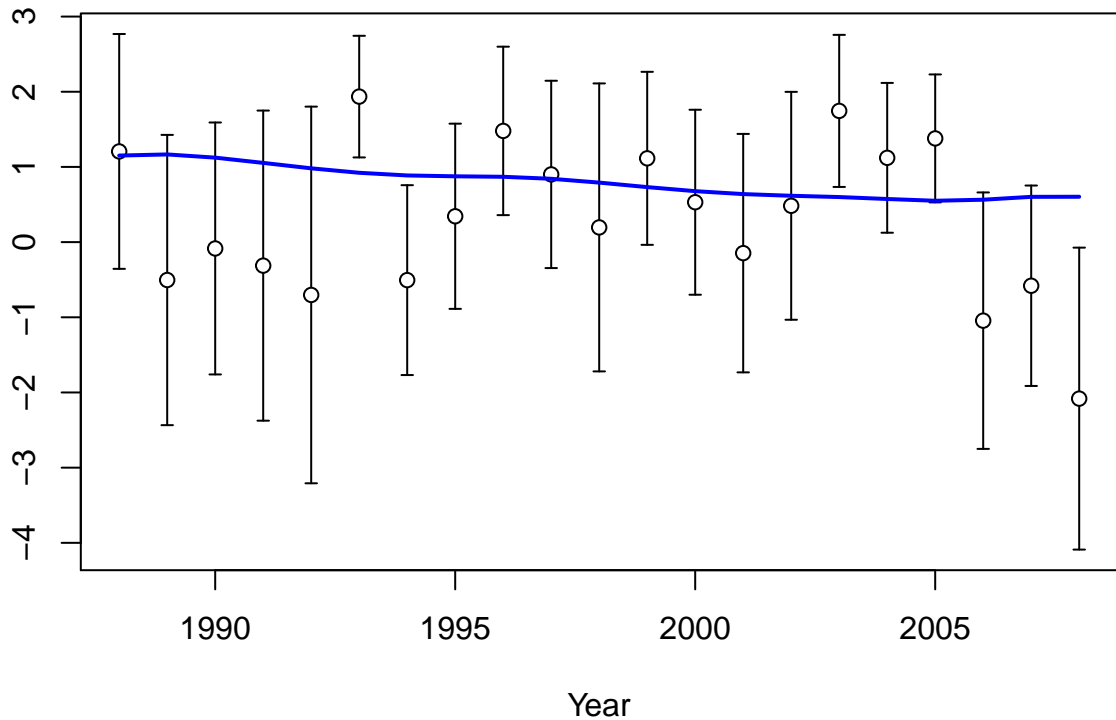


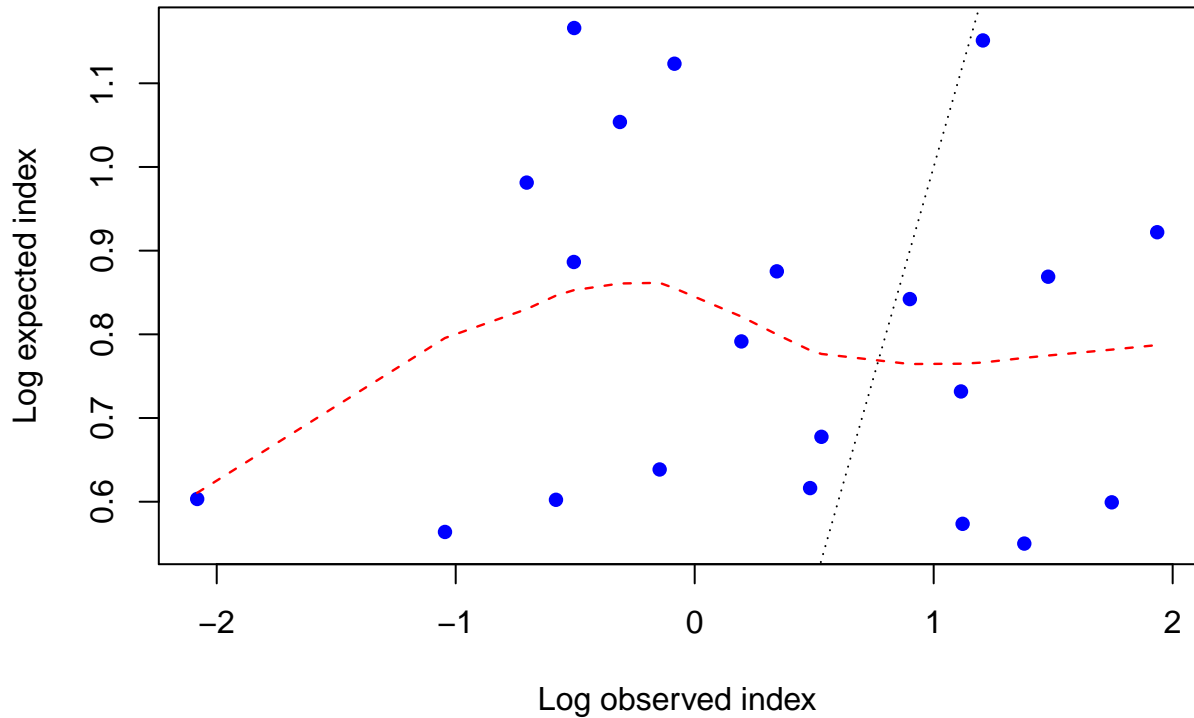


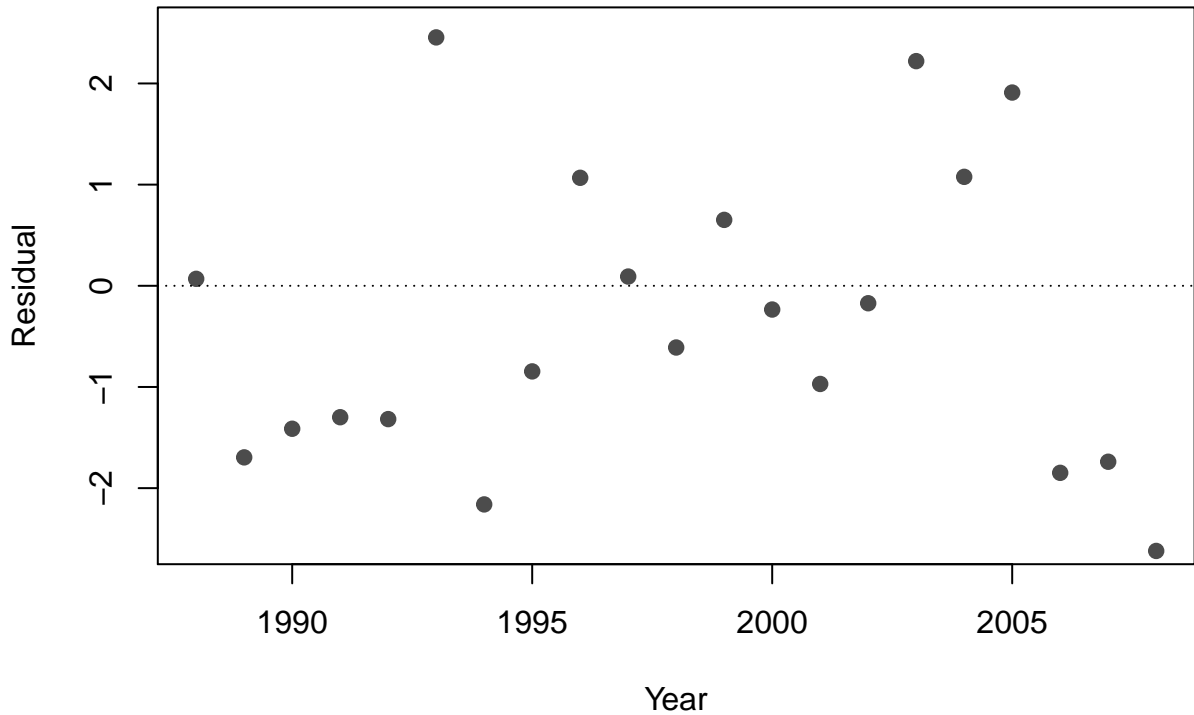
Log index

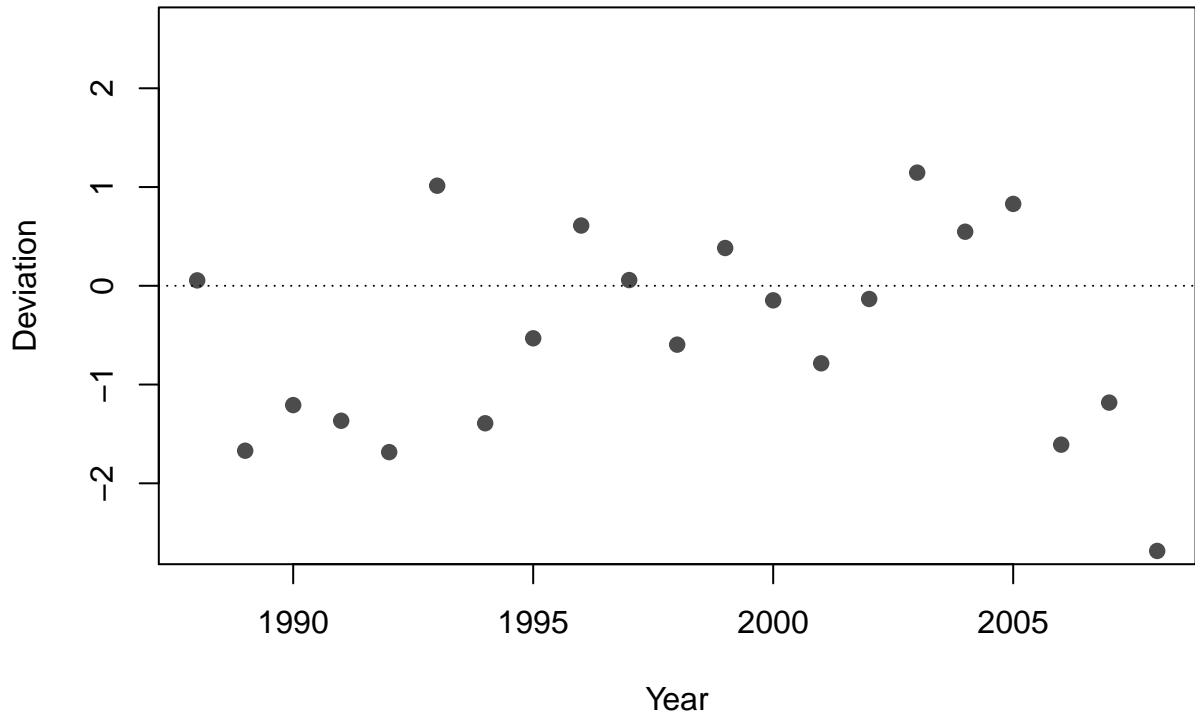


Log index



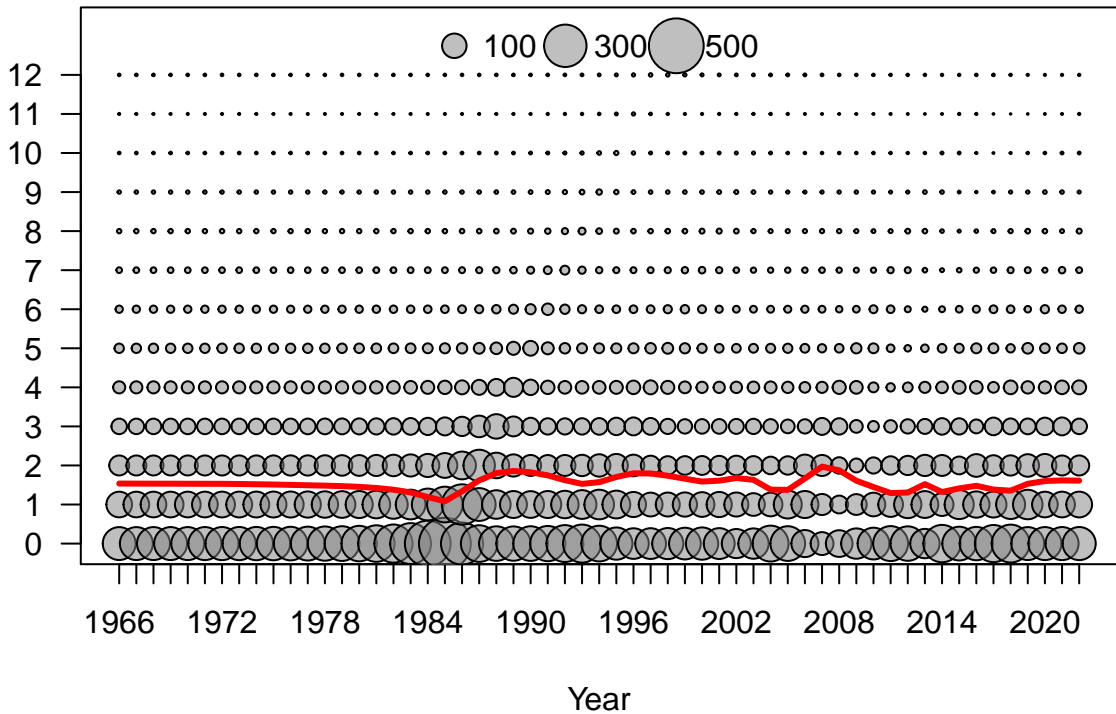




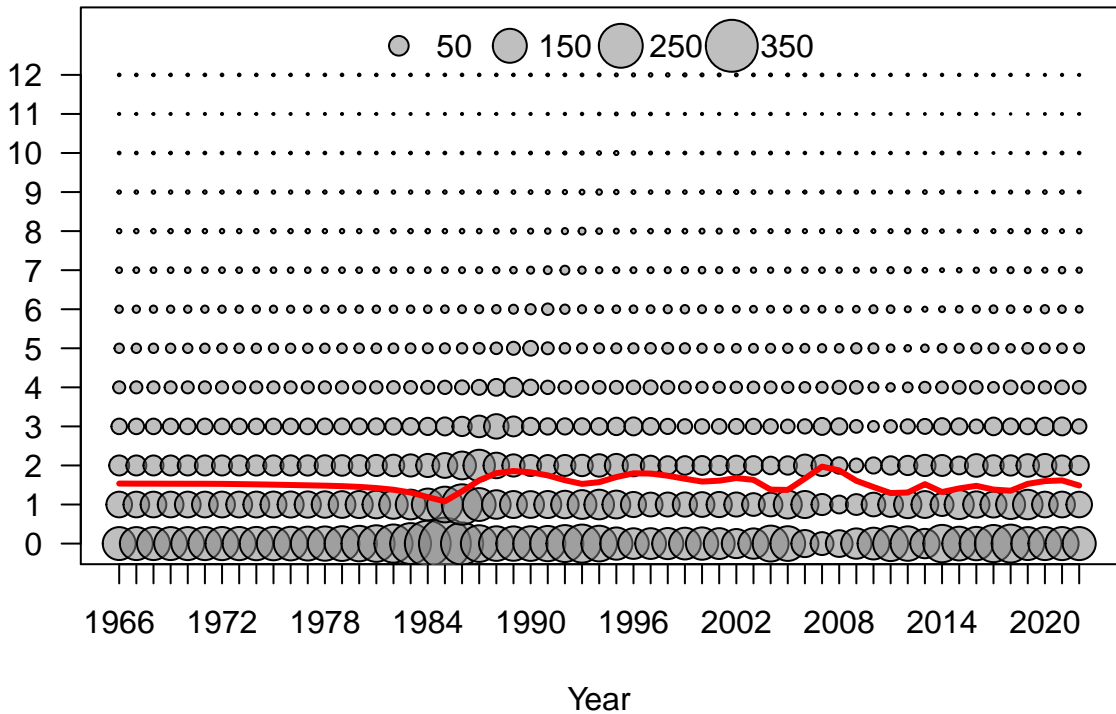


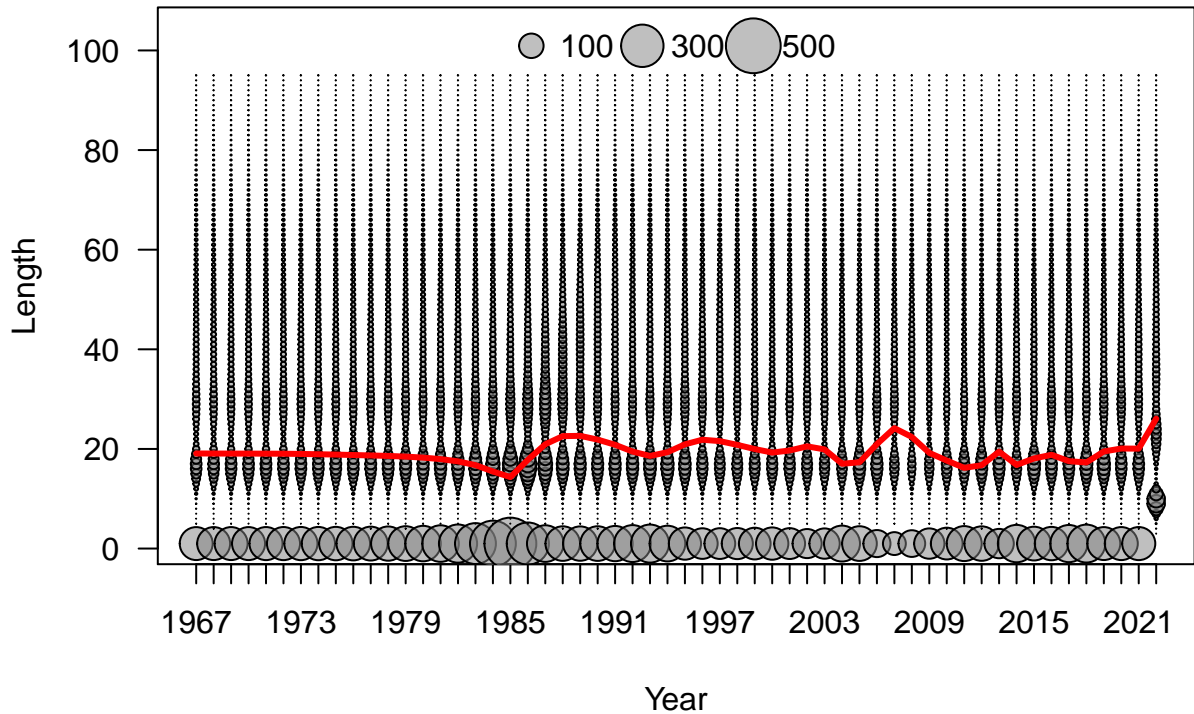


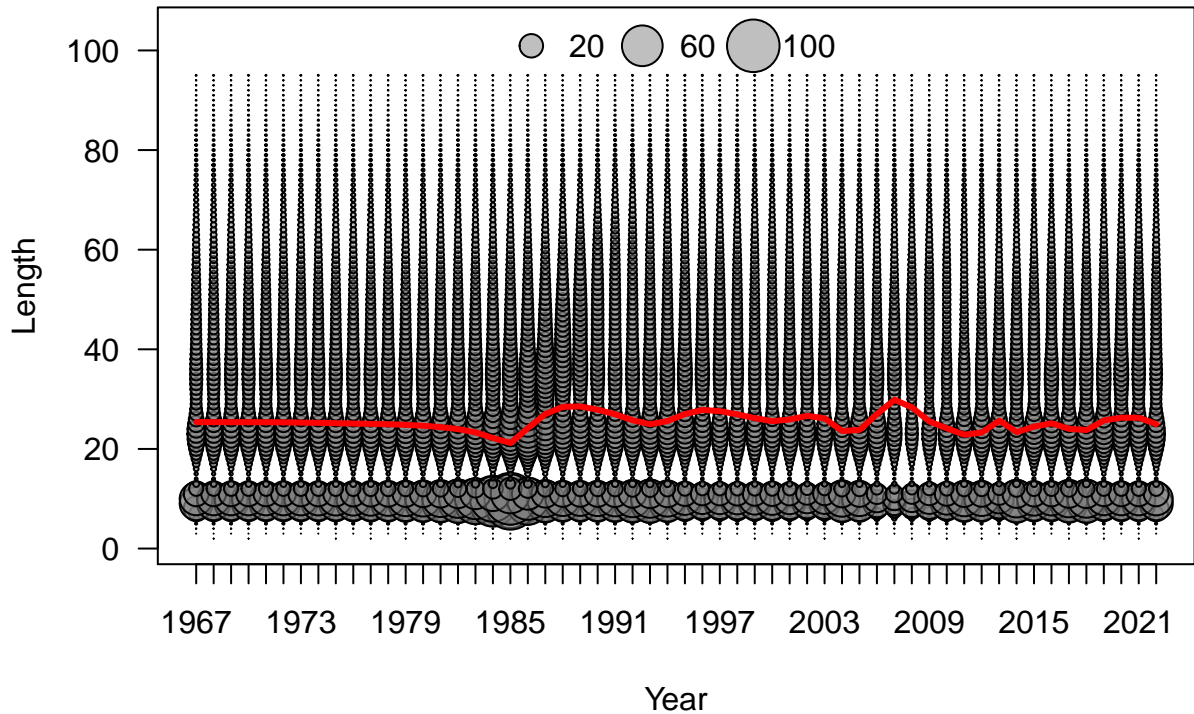
Age

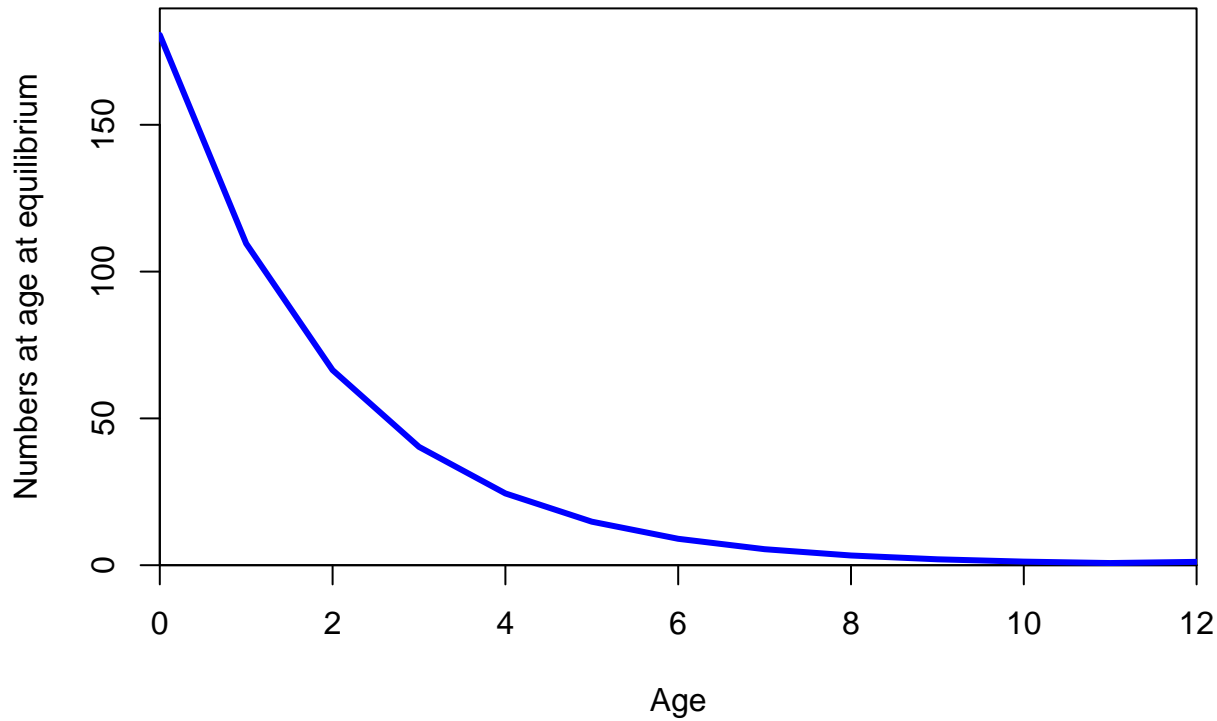


Age



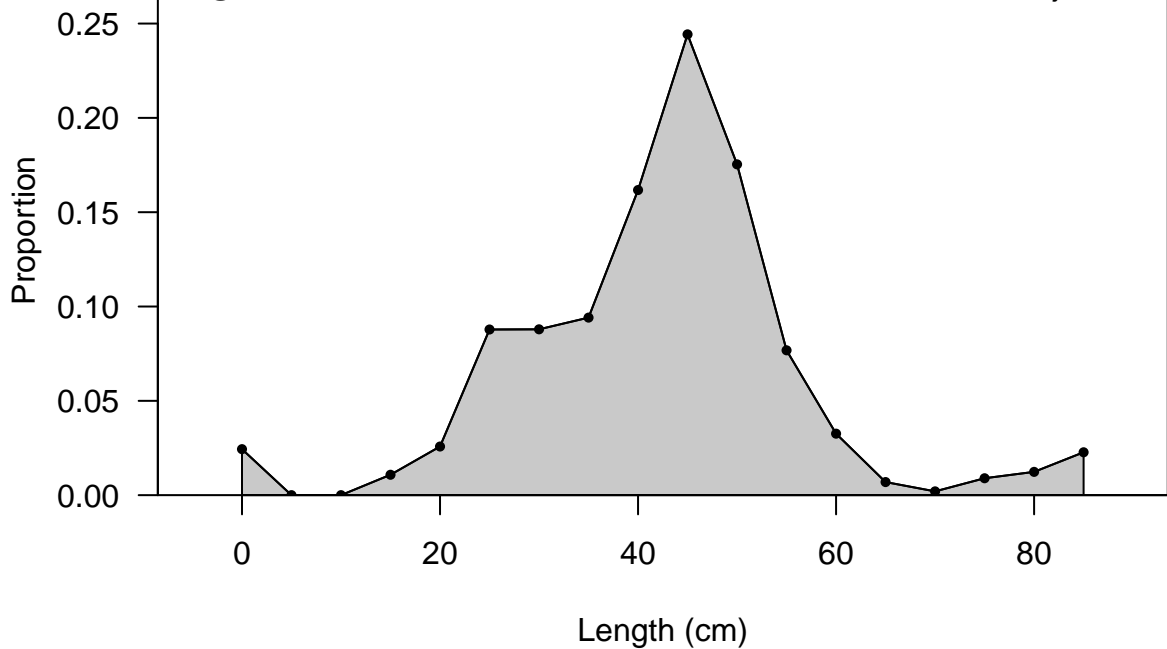


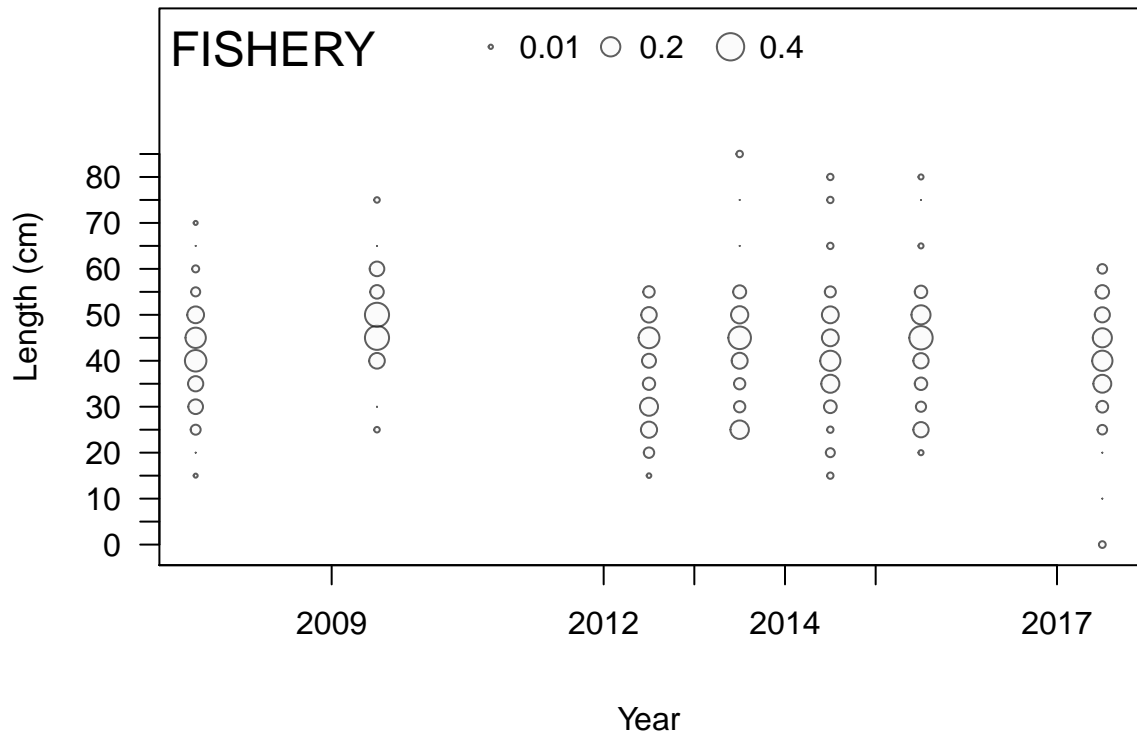




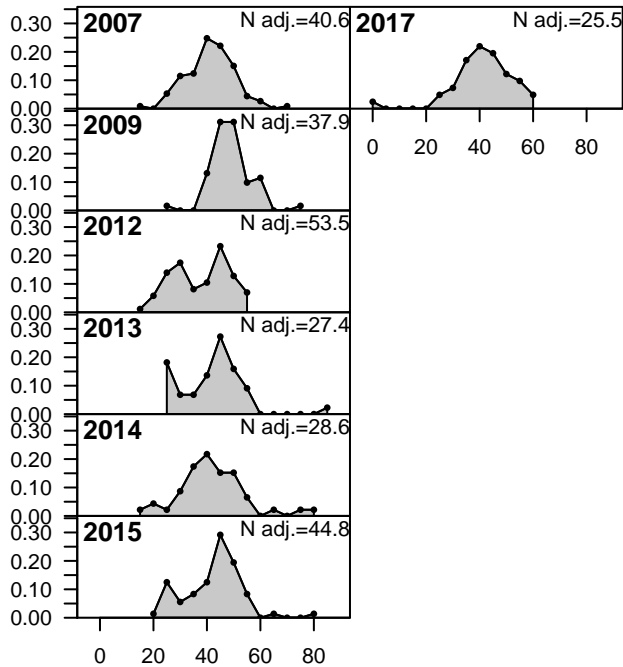
FISHERY

Sum of N adj.=258.1





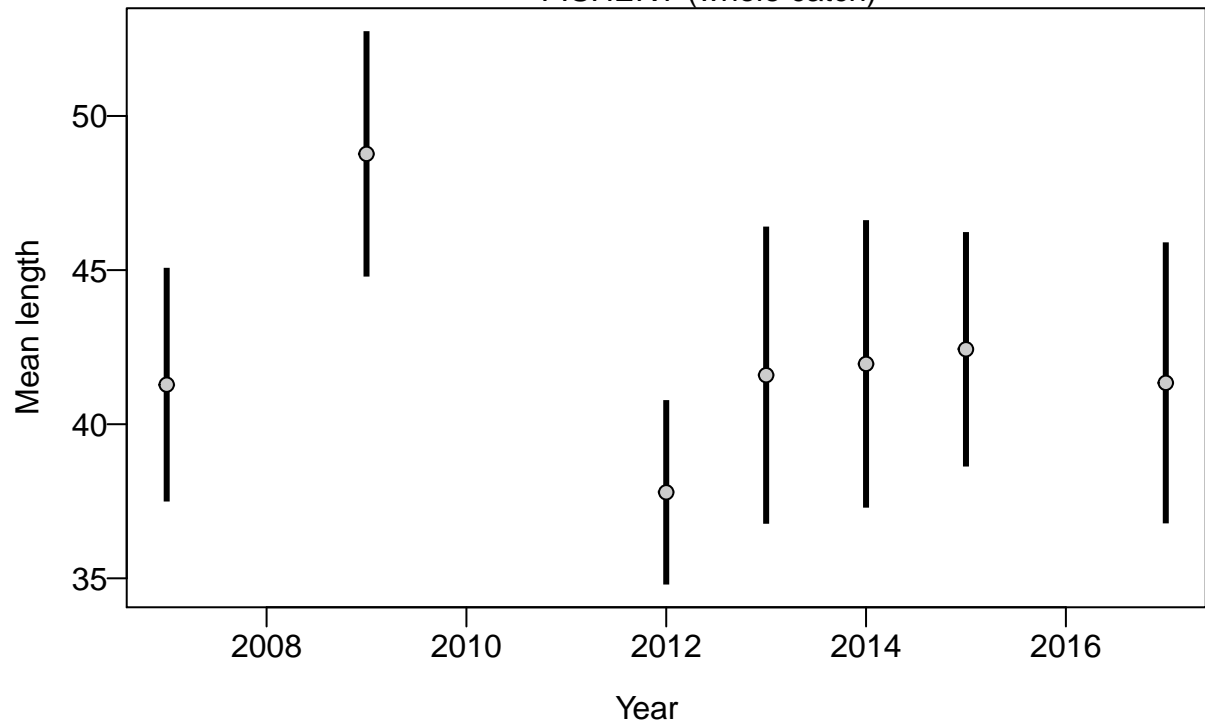
Proportion



Length (cm)

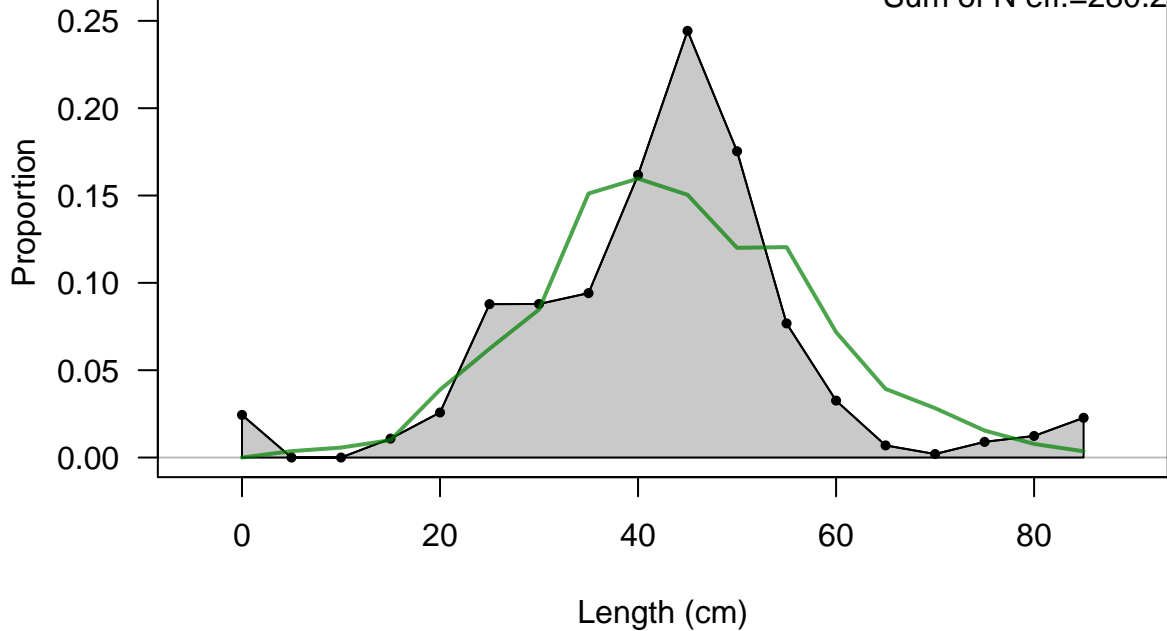


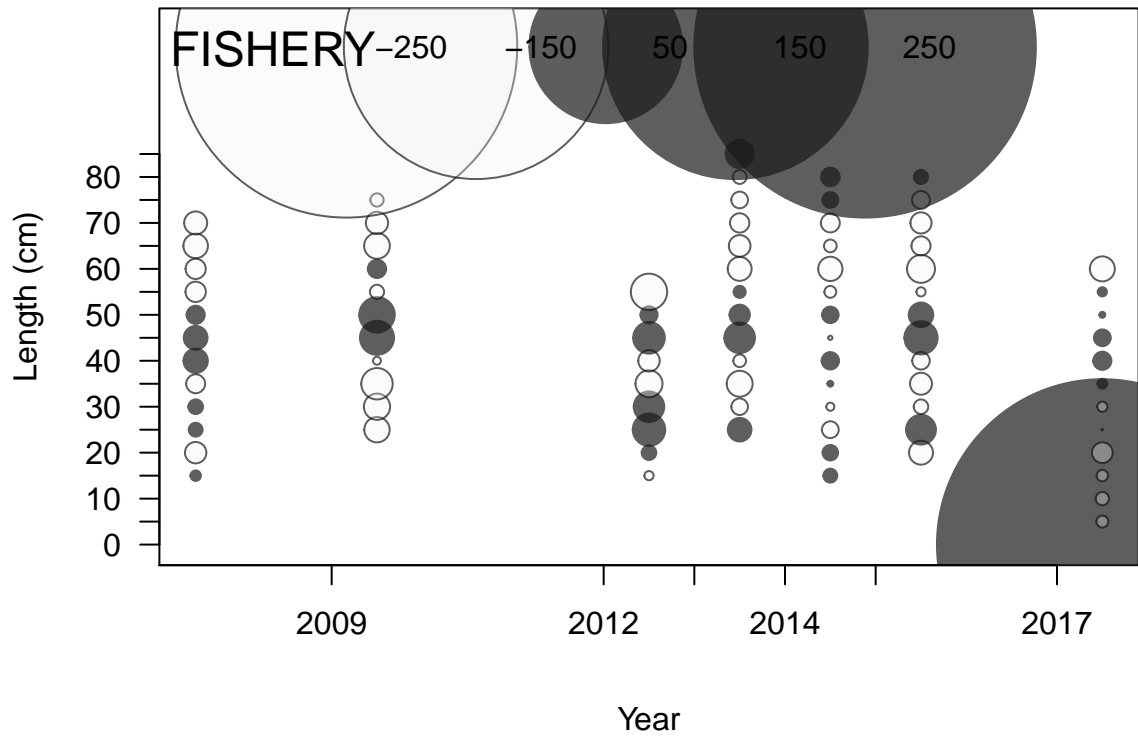
FISHERY (whole catch)



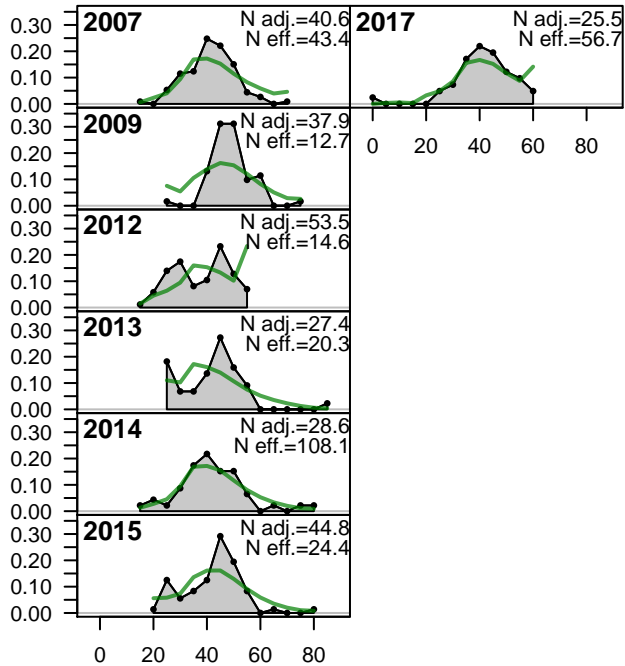
FISHERY

Sum of N adj.=258.1
Sum of N eff.=280.2

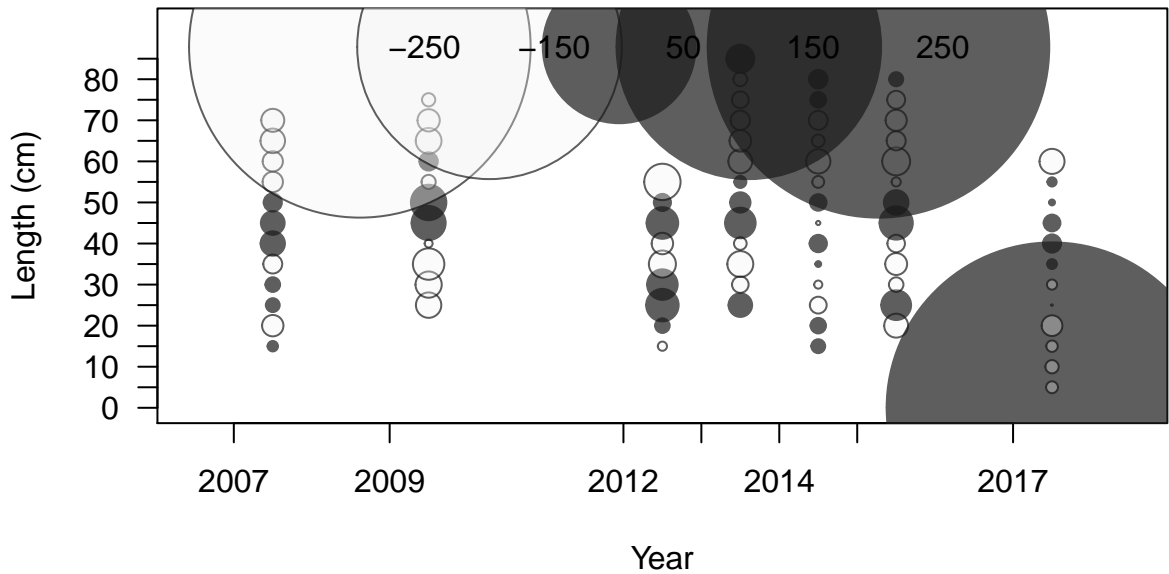


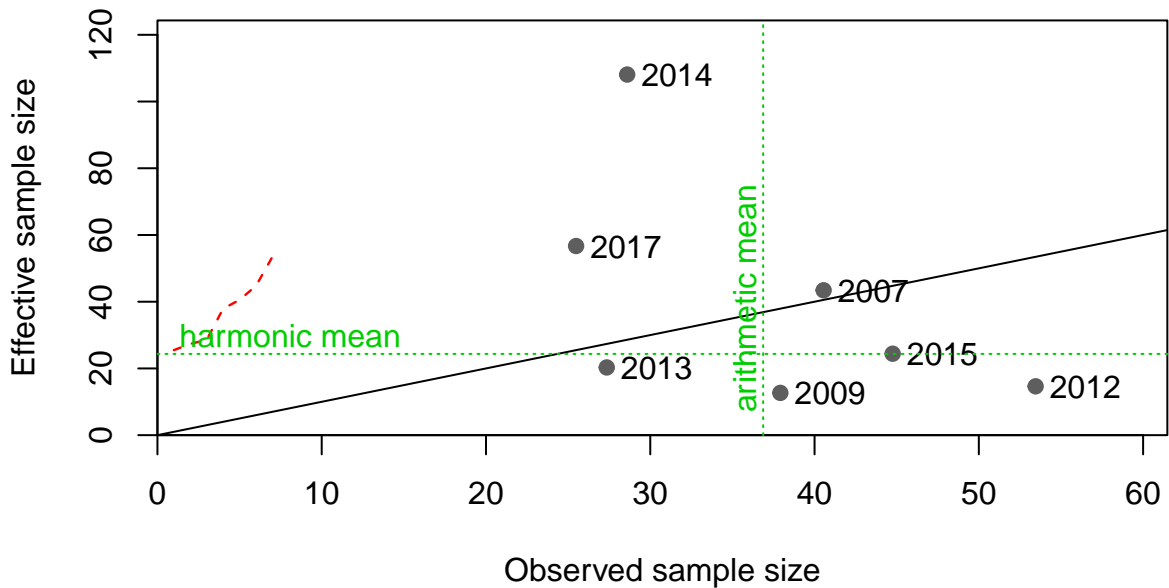


Proportion

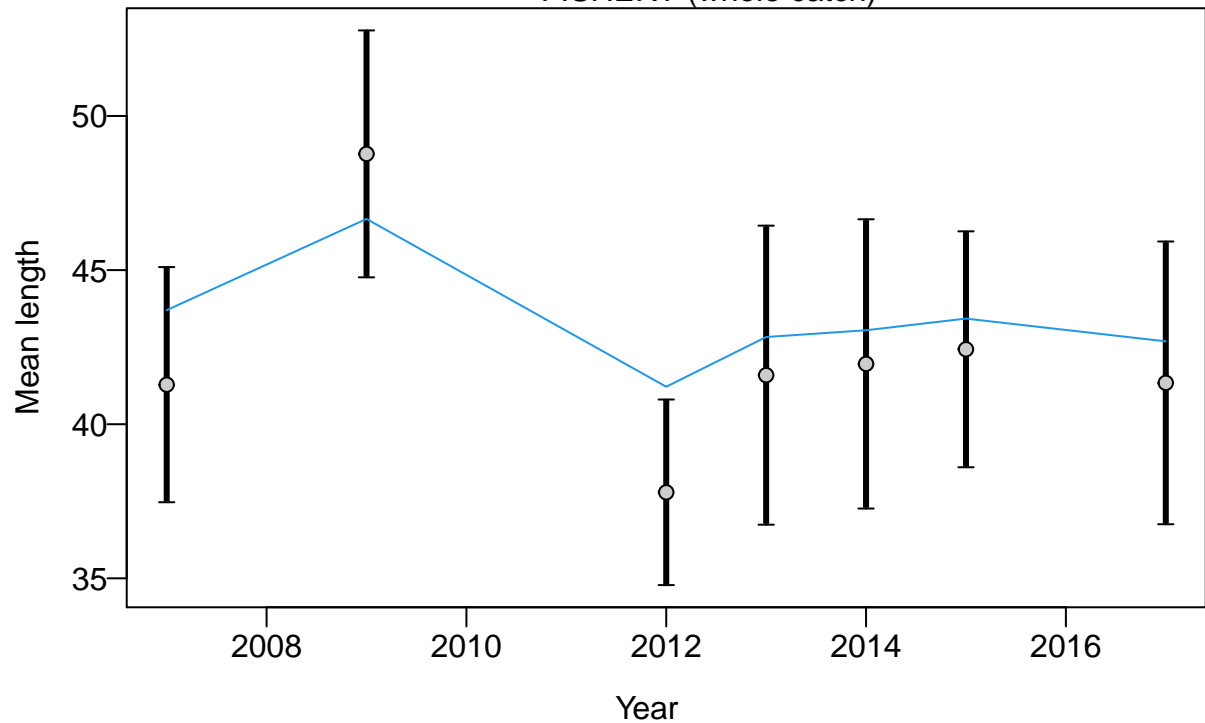


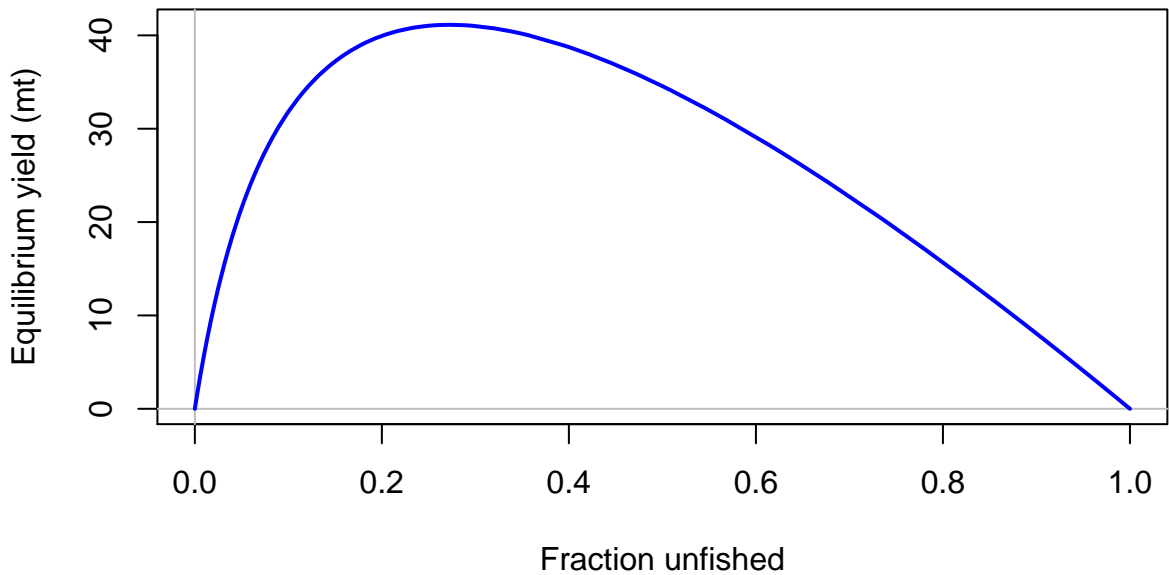
Length (cm)

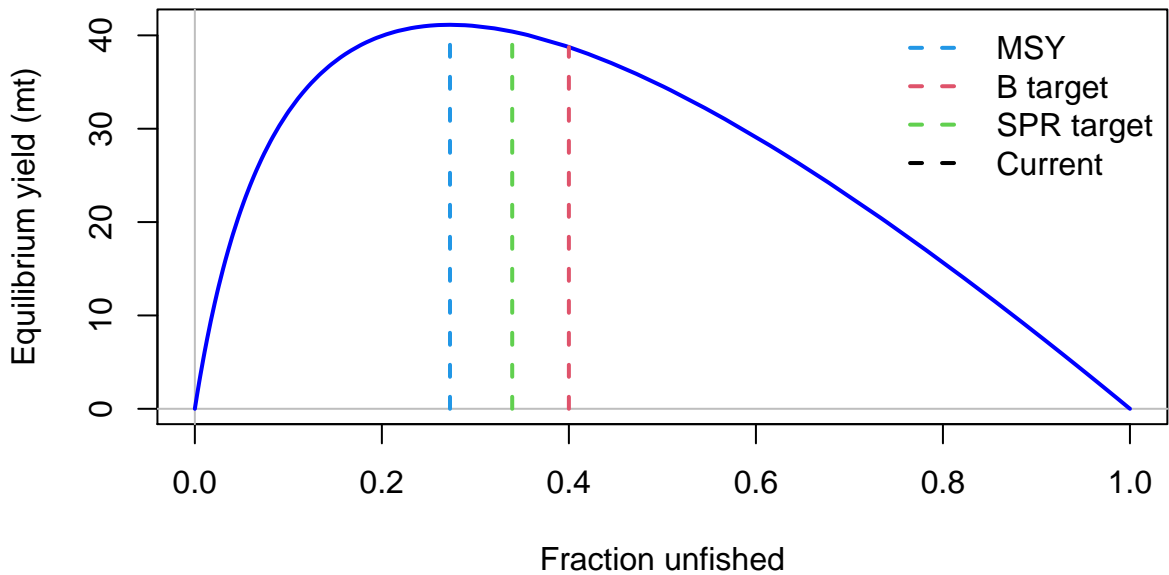


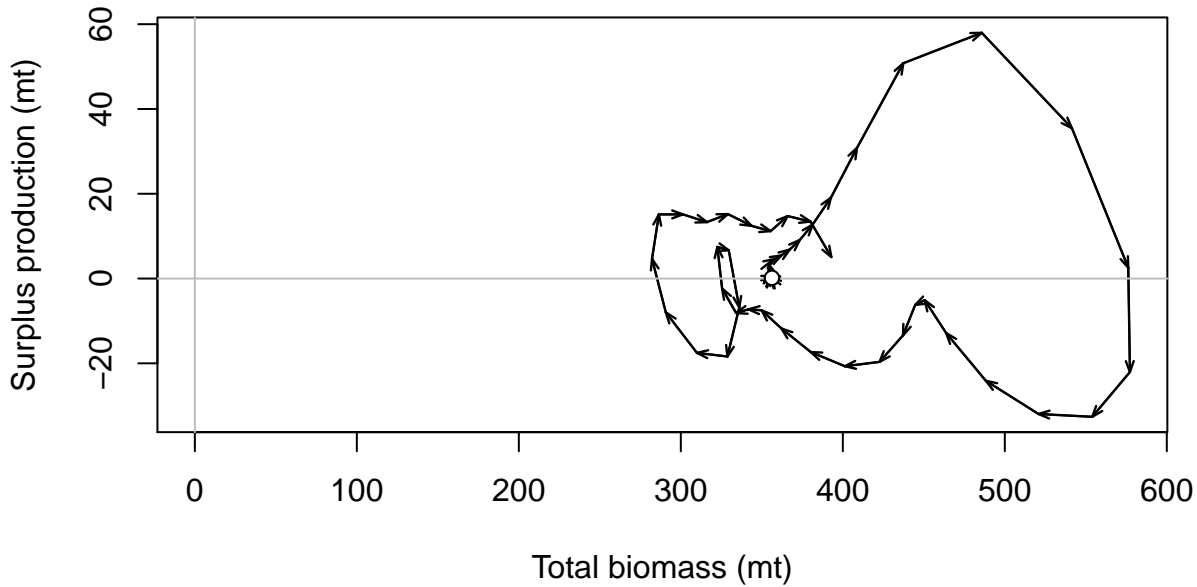


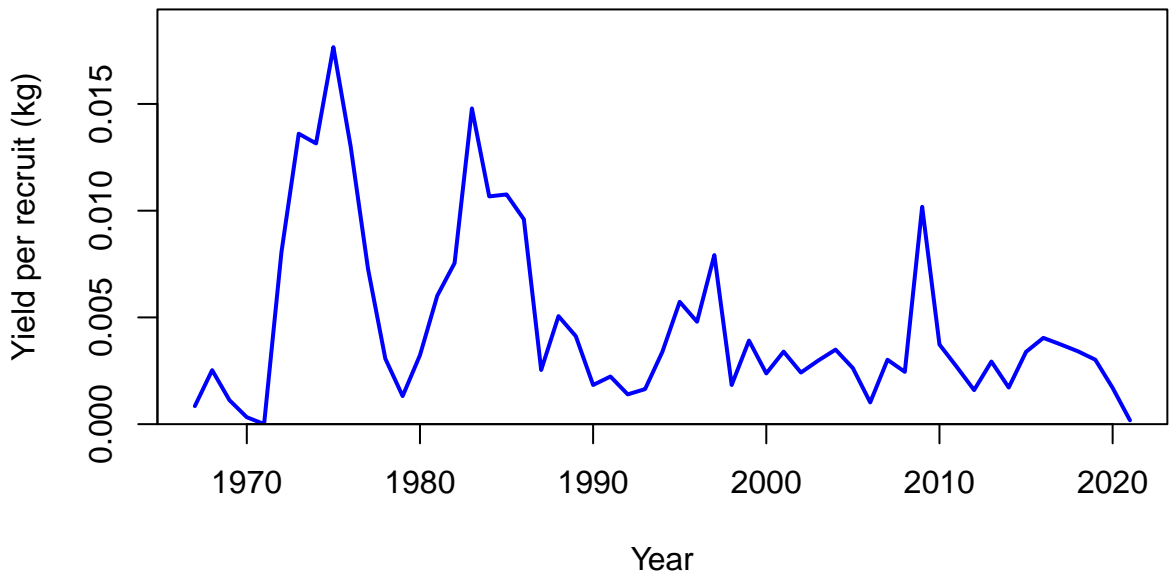
FISHERY (whole catch)



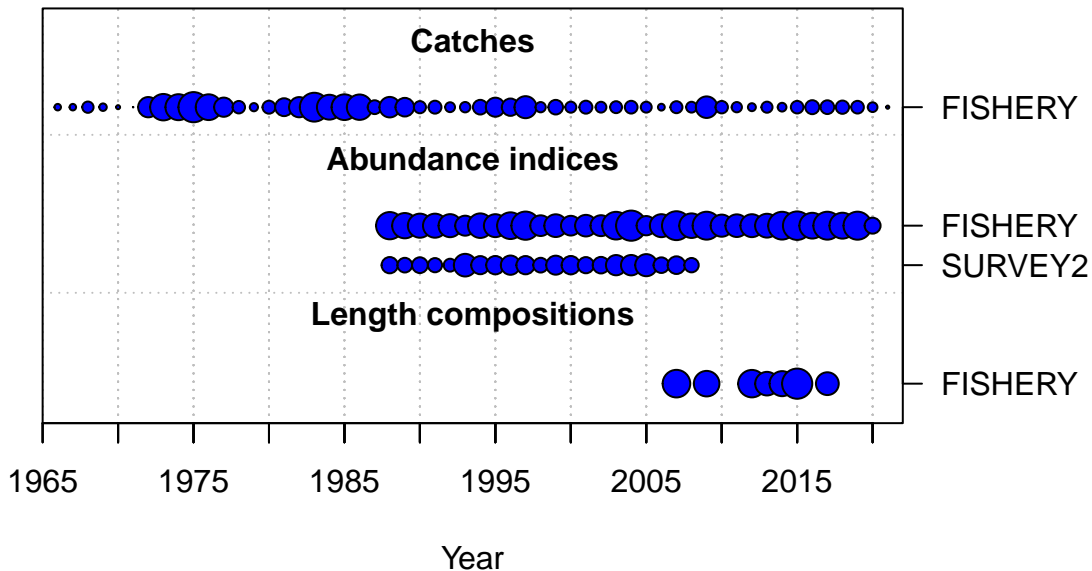




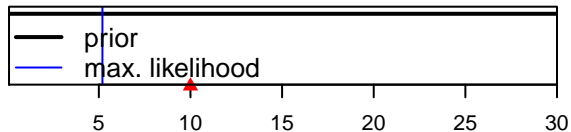




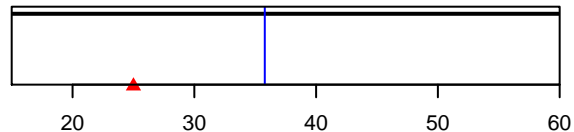




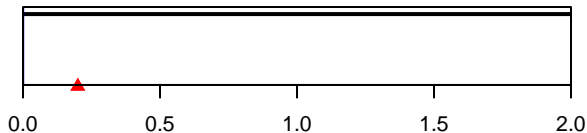
SR_LN(R0)



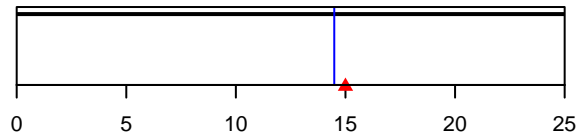
Size_inflection_FISHERY(1)



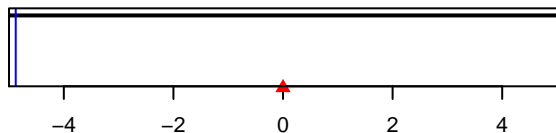
InitF_seas_1_flt_1FISHERY



Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)

