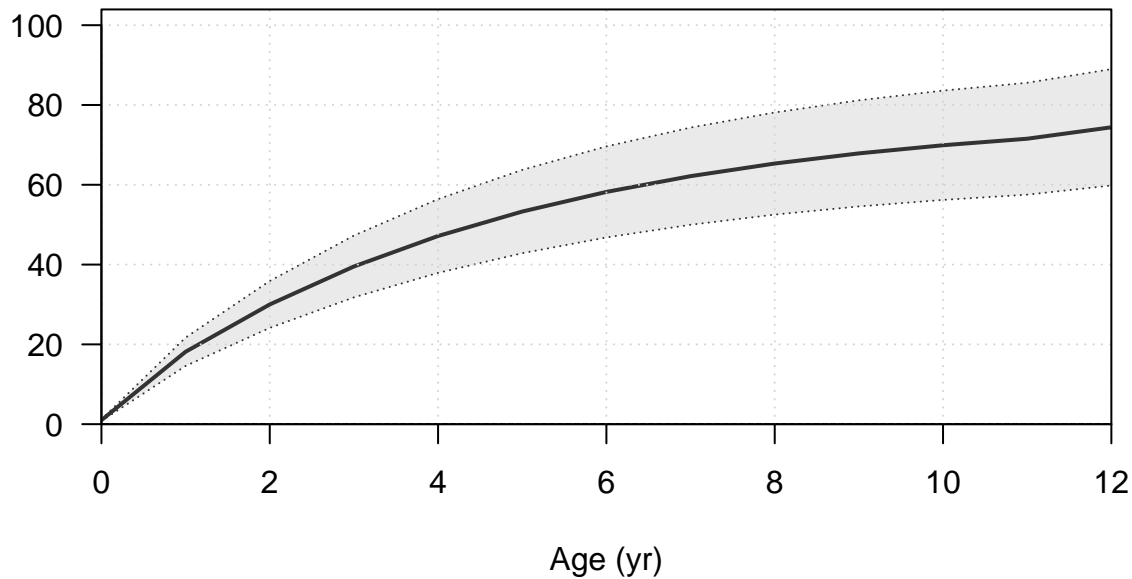
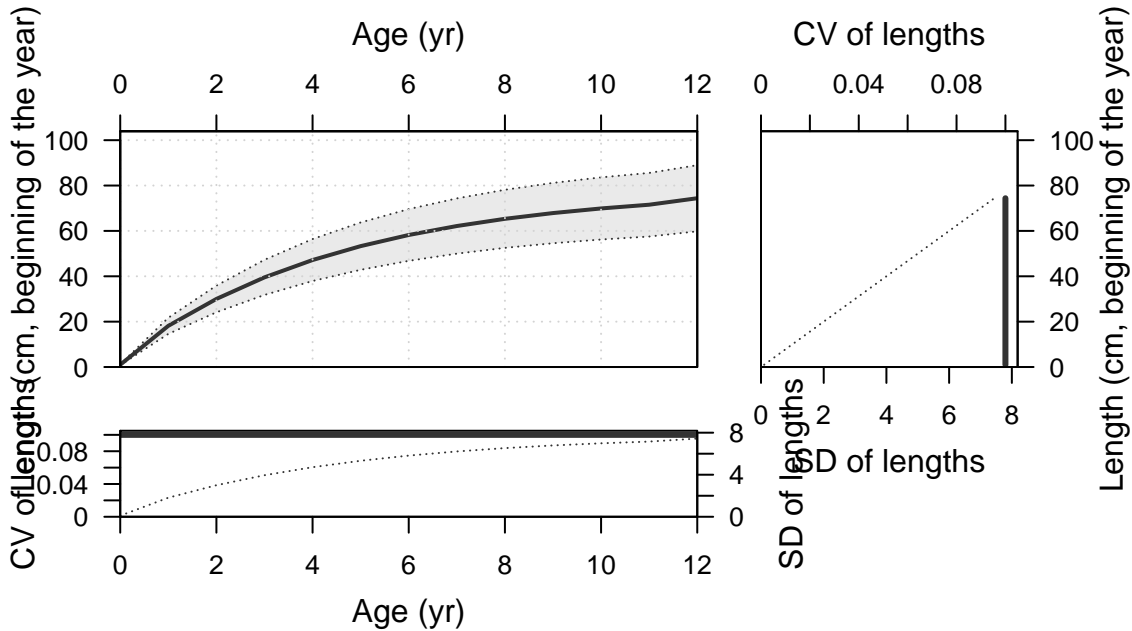
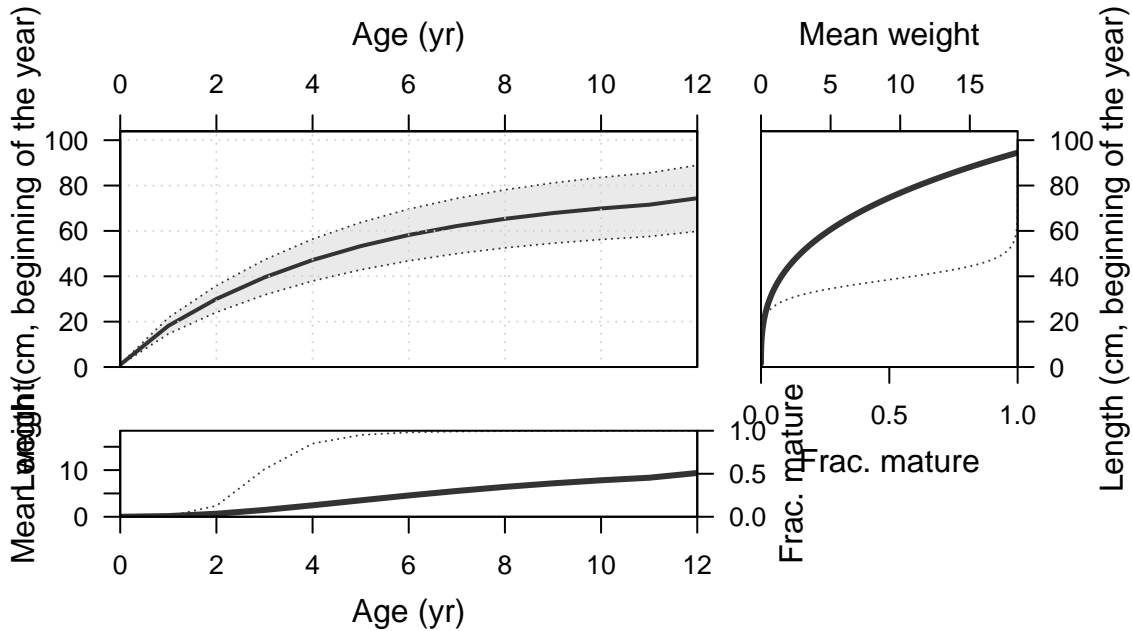


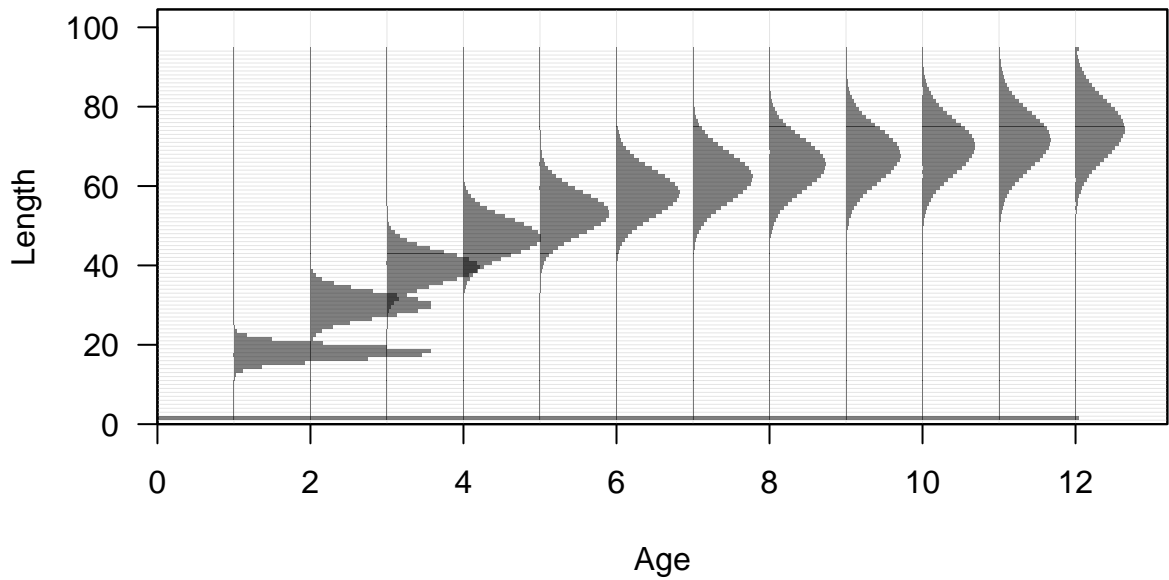
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Tue Jul 12 08:14:37 2022  
Data\_File: data.ss  
Control\_File: control.ss

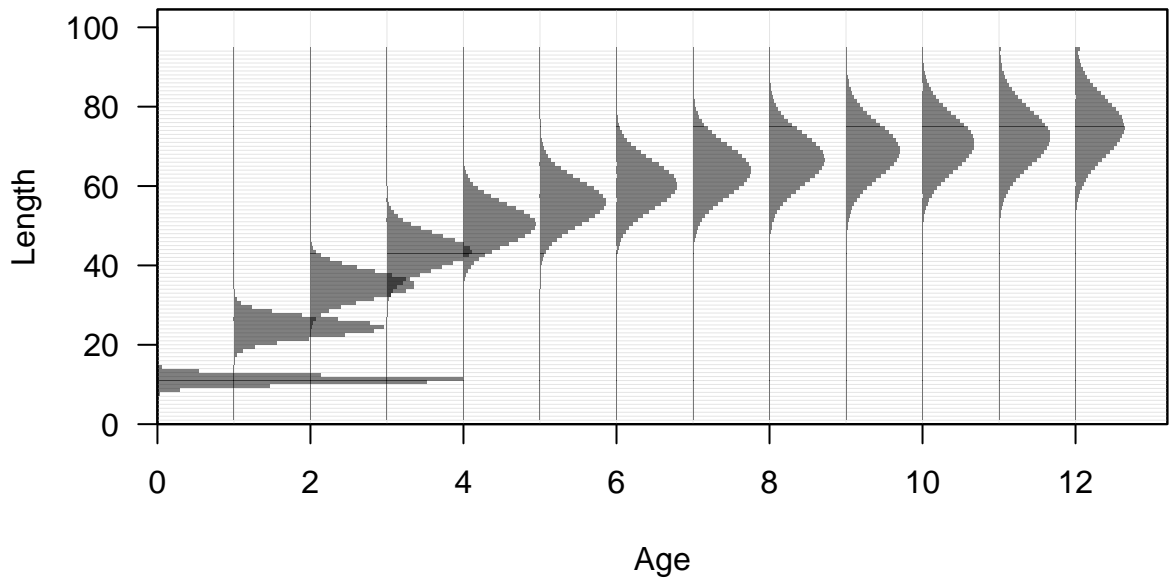
Length (cm, beginning of the year)

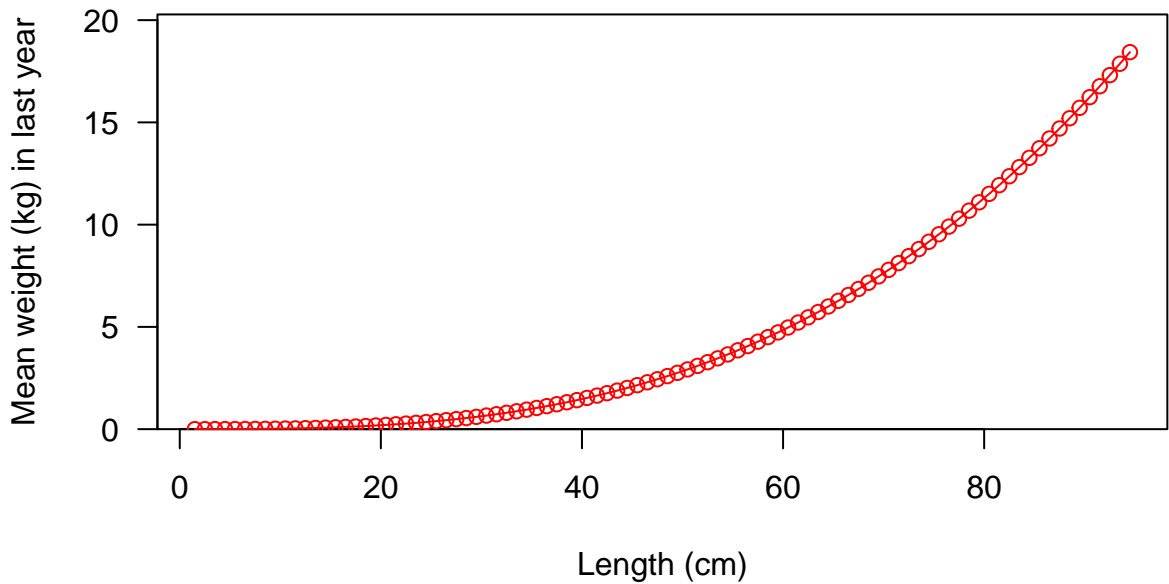


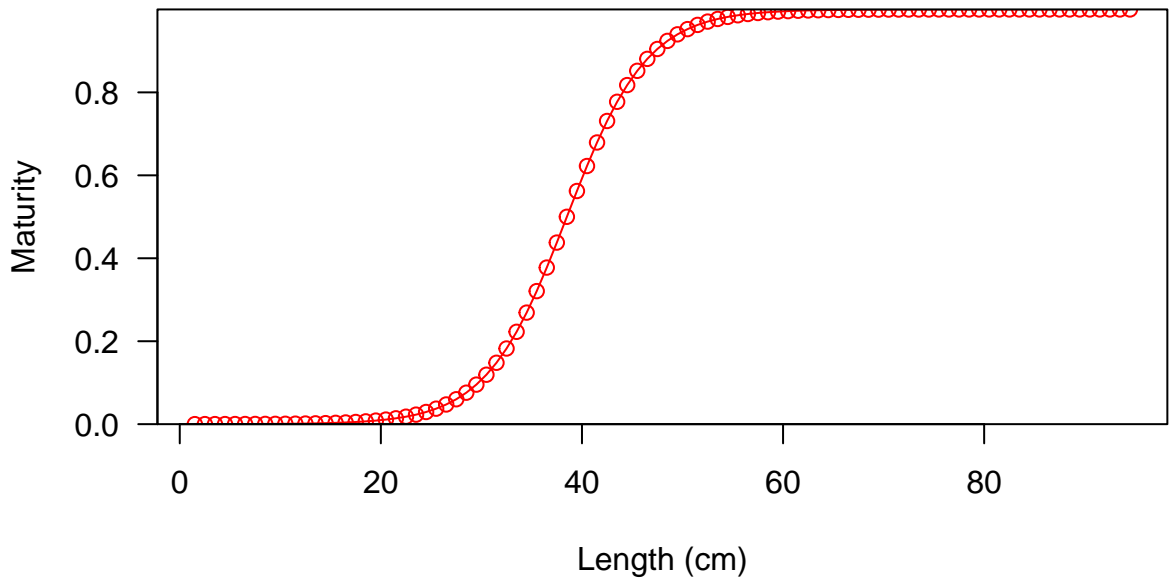




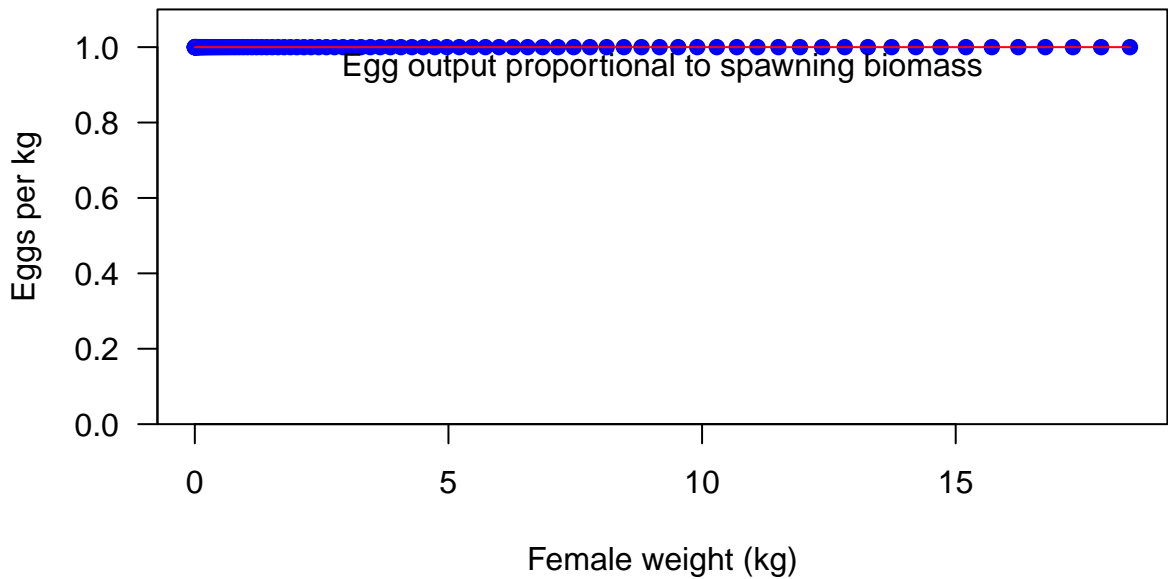


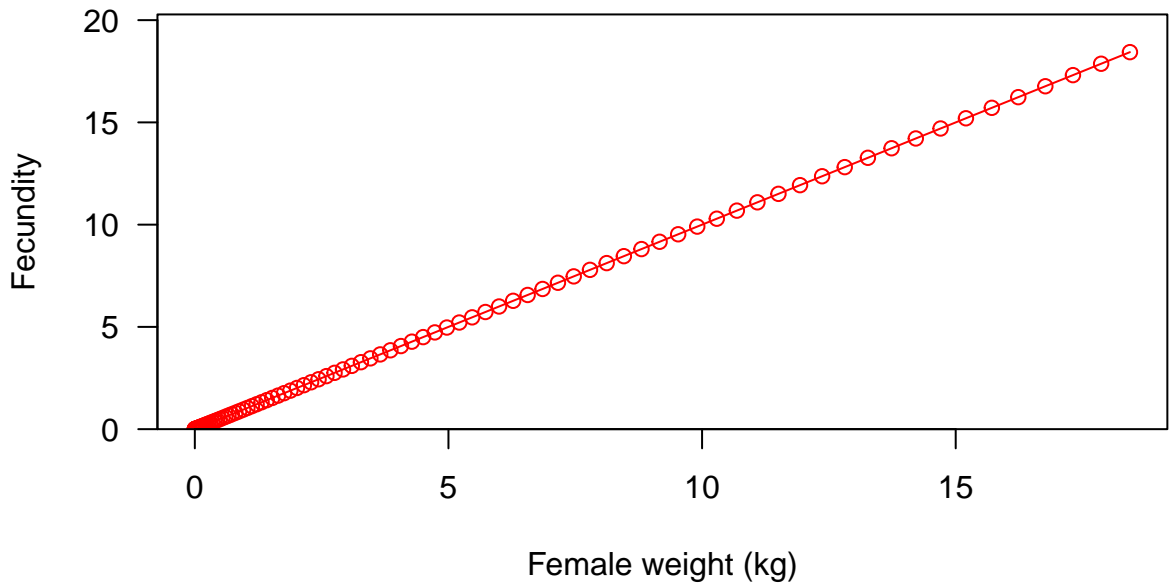


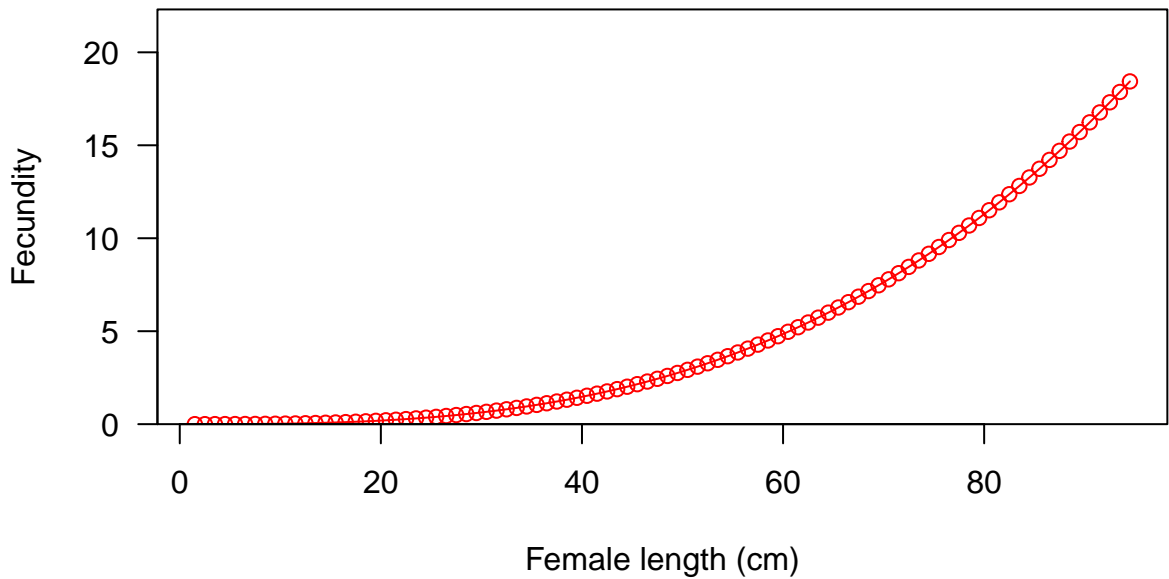


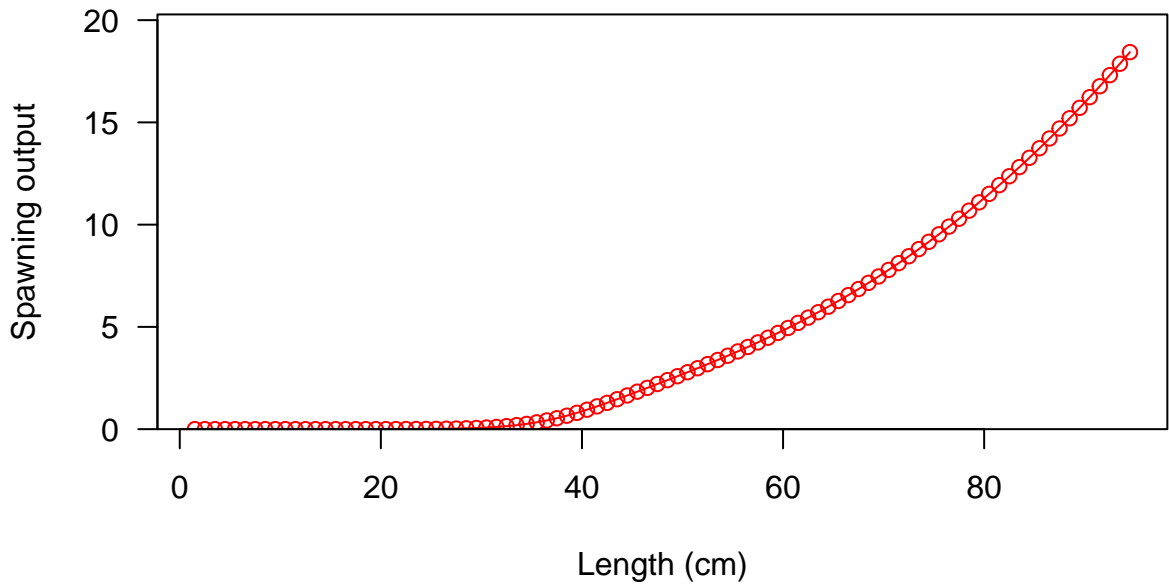


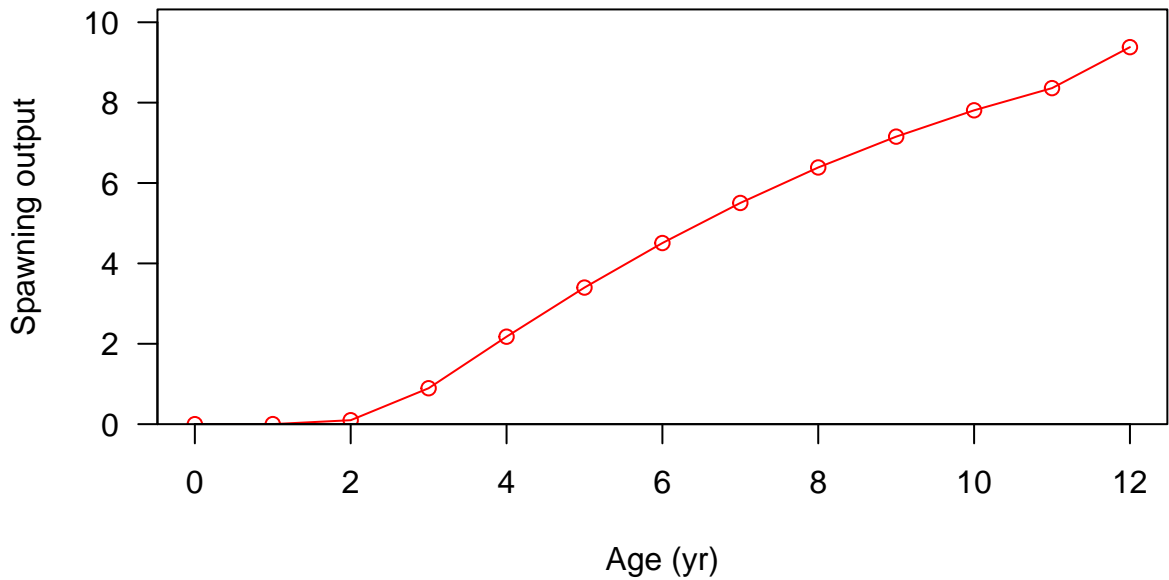




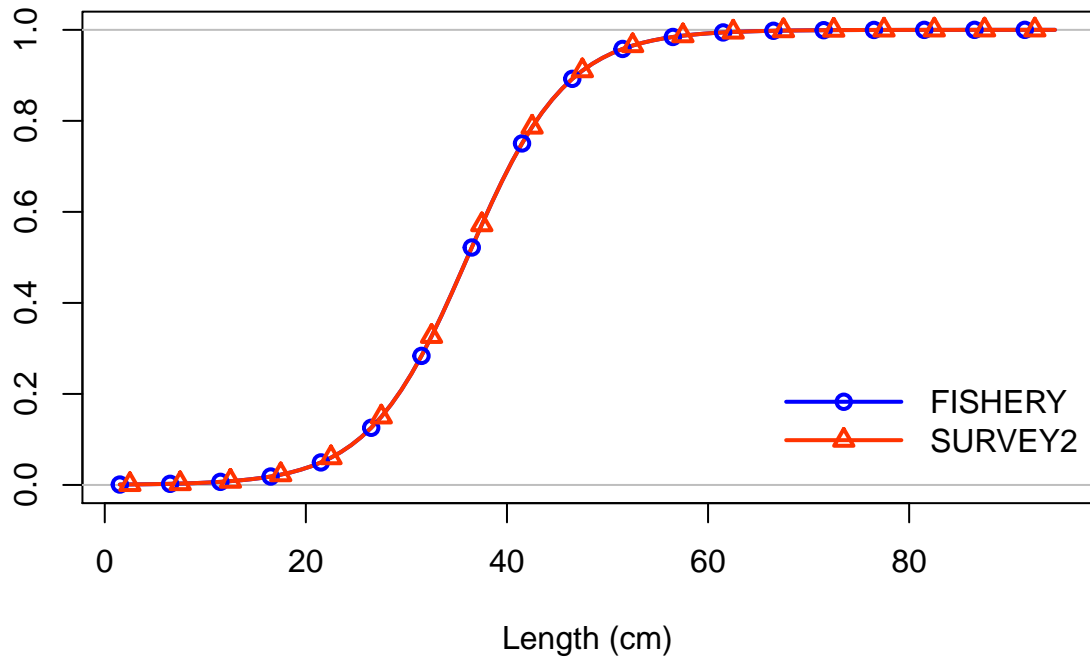




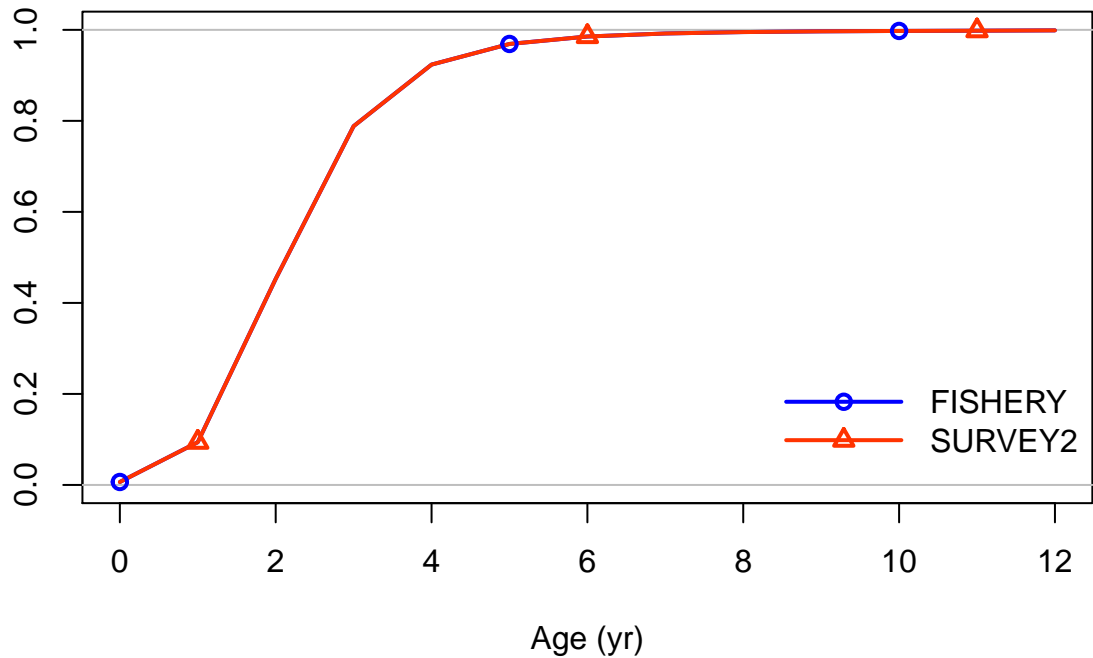




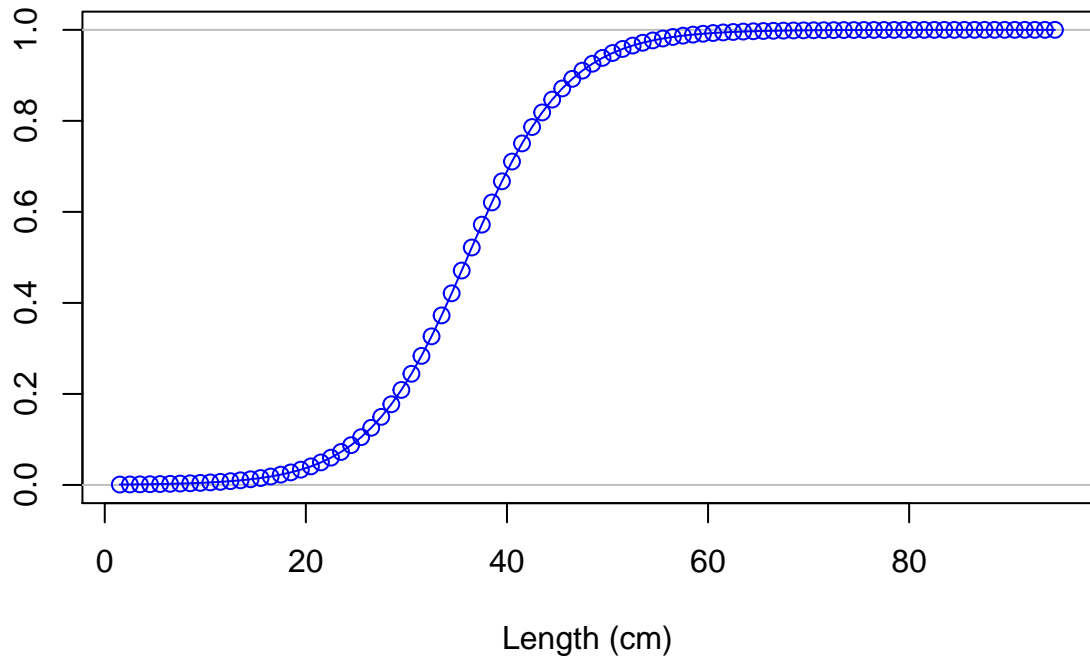
Selectivity



Selectivity

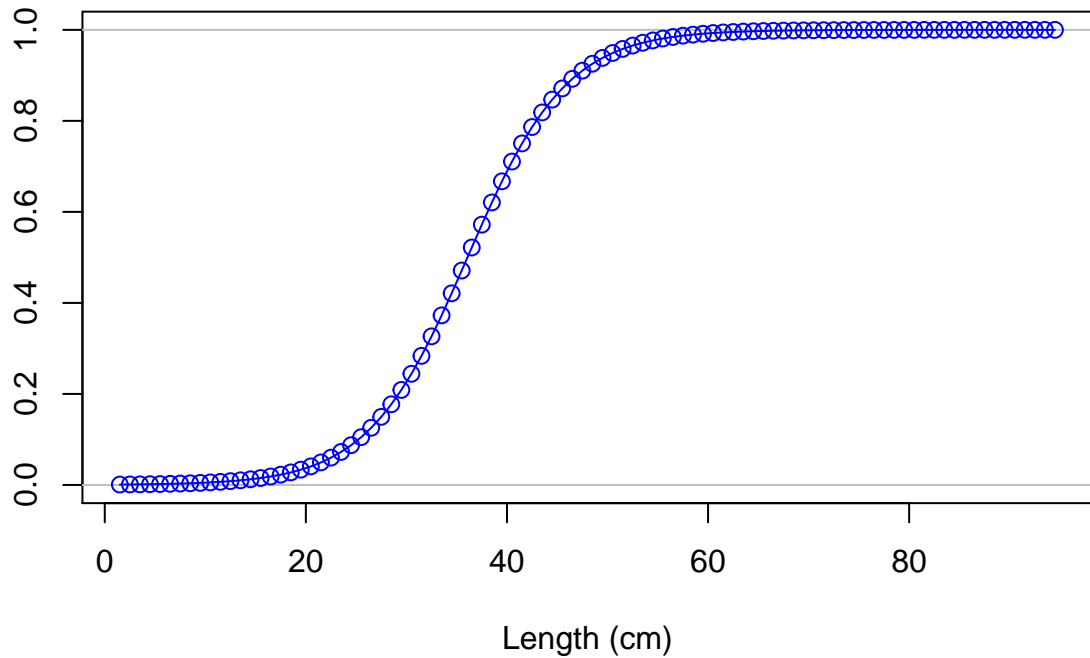


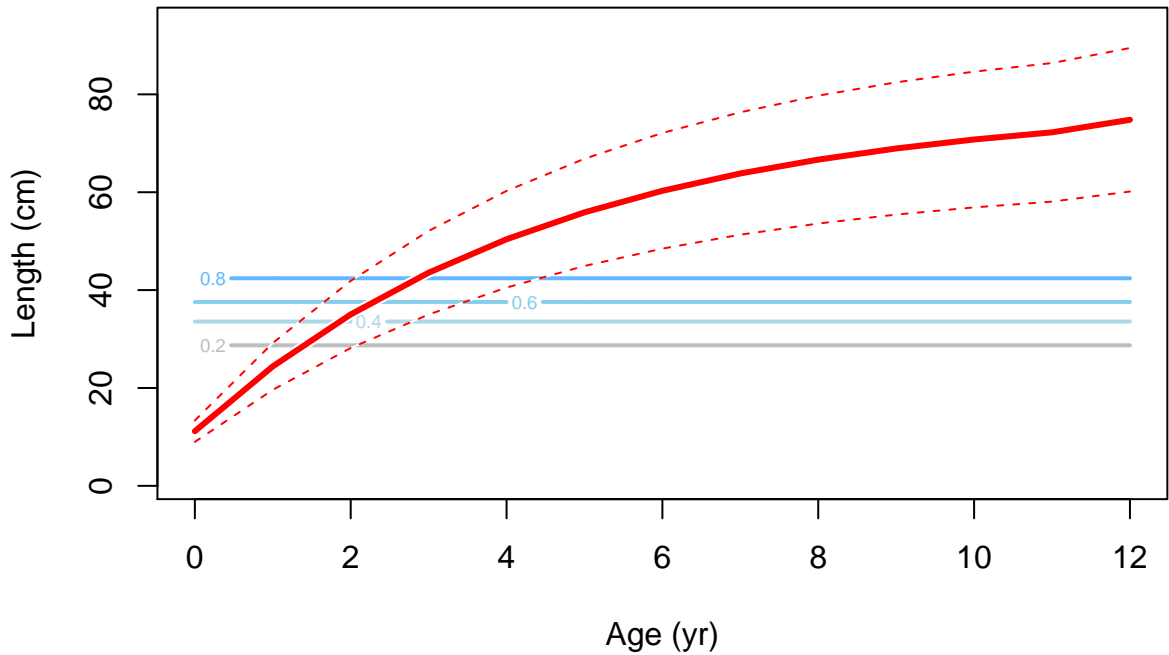
Selectivity

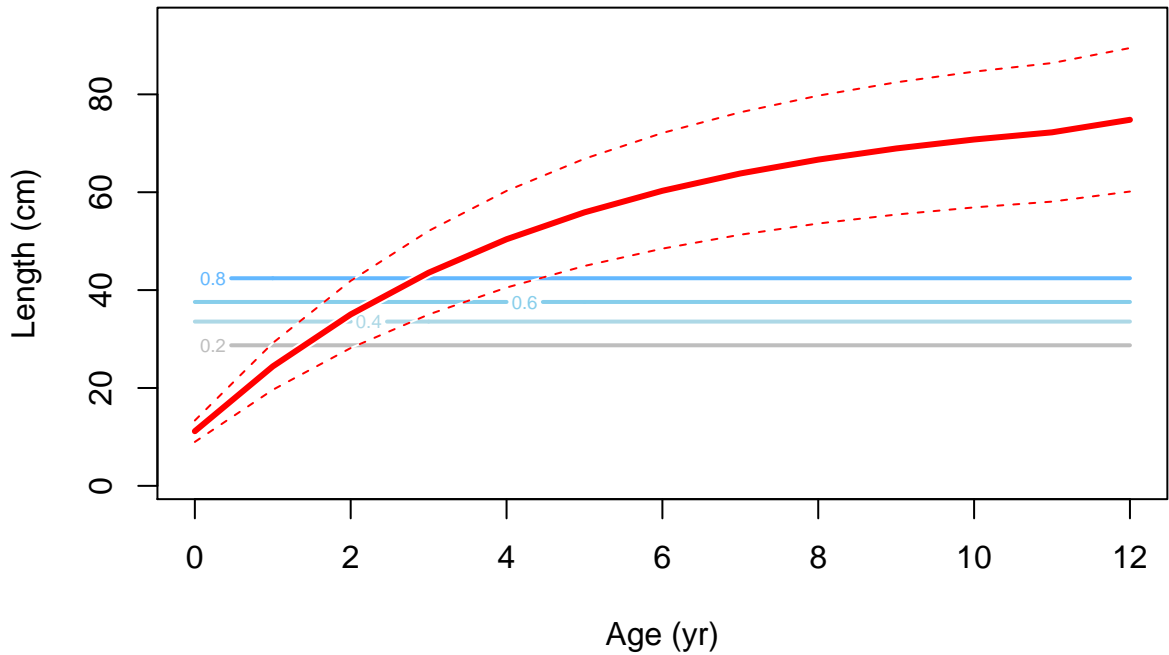




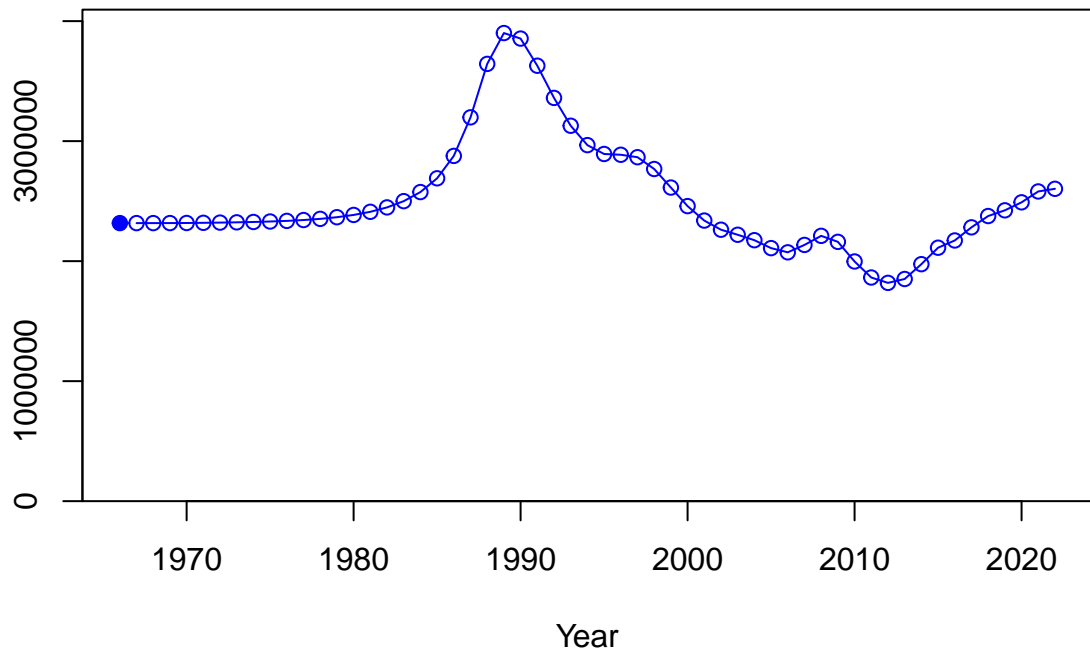
Selectivity



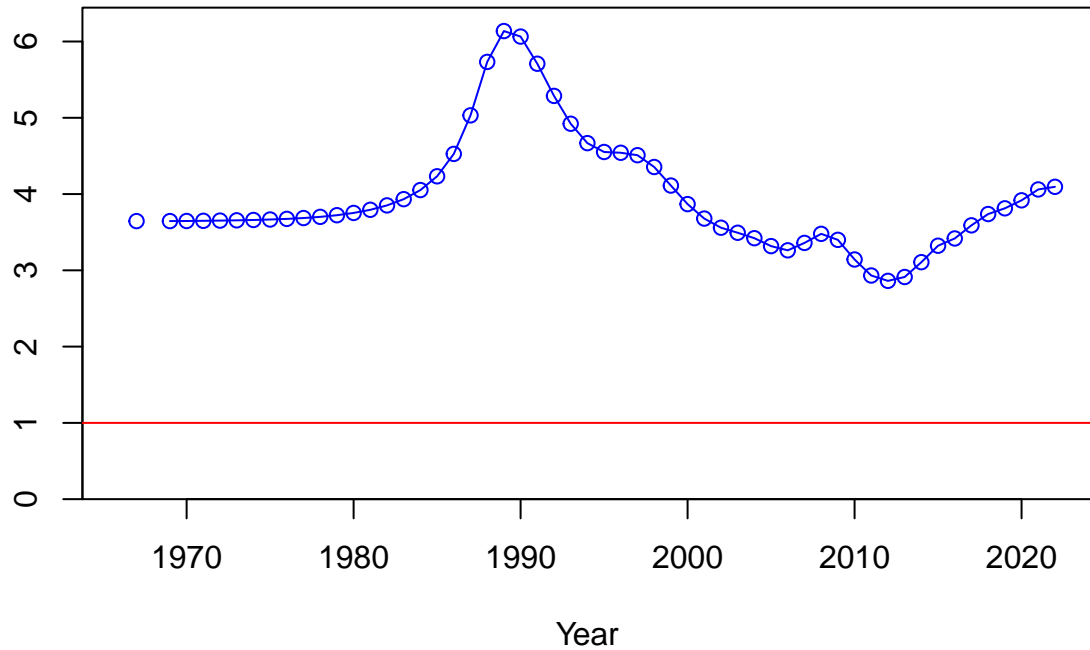


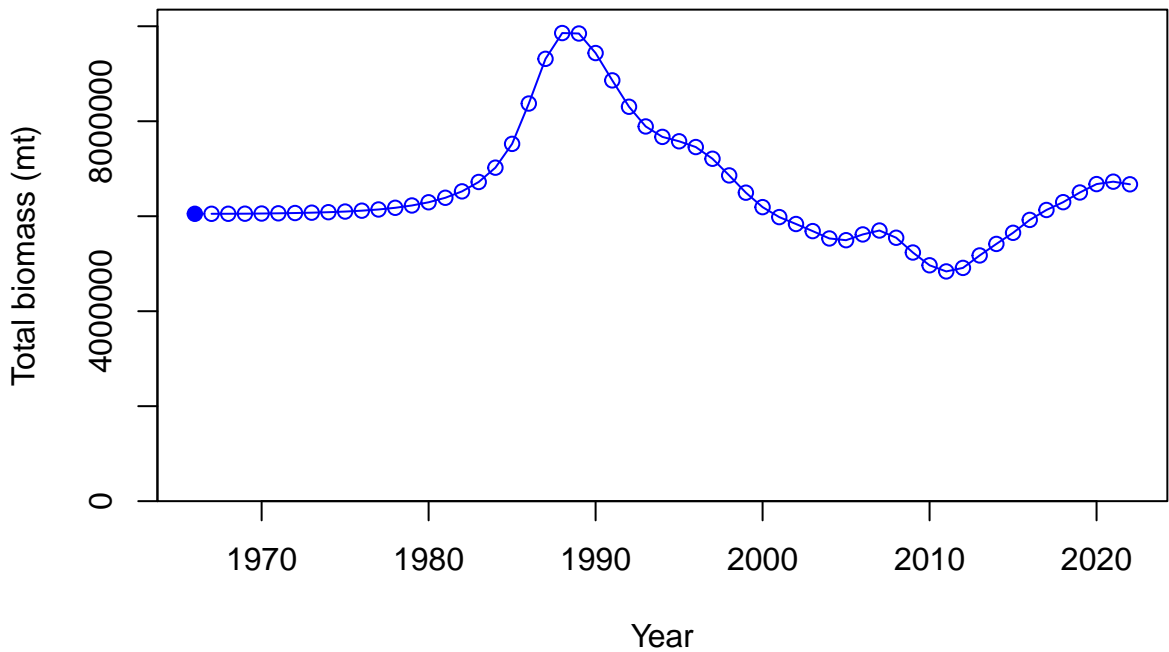


Spawning biomass (mt)

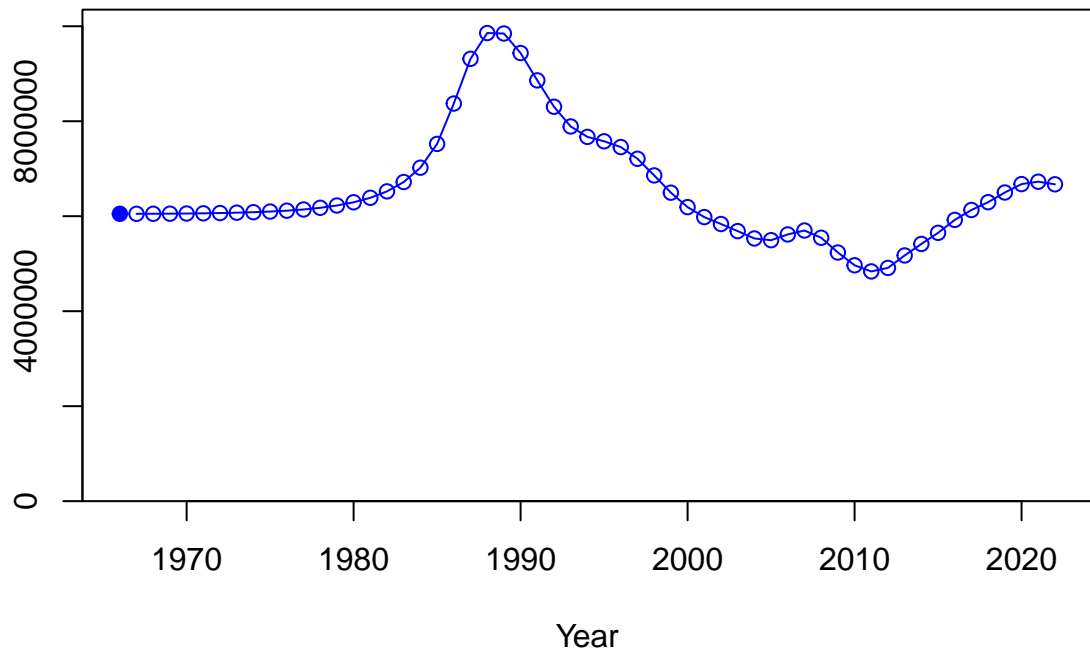


Relative spawning biomass:  $B/B_{MSY}$

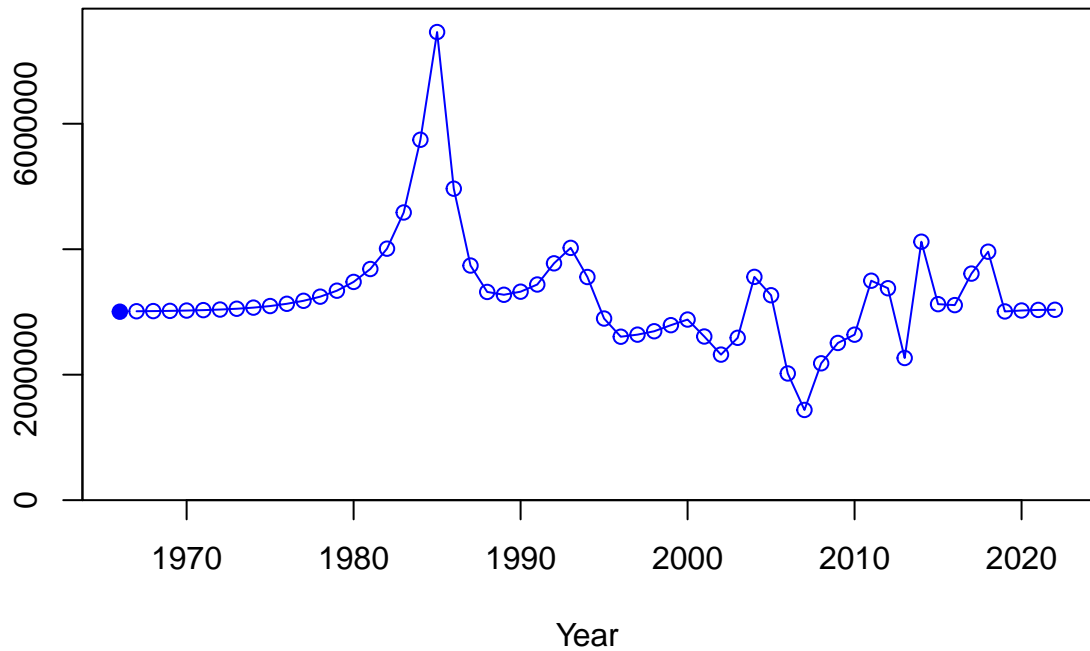




Summary biomass (mt)

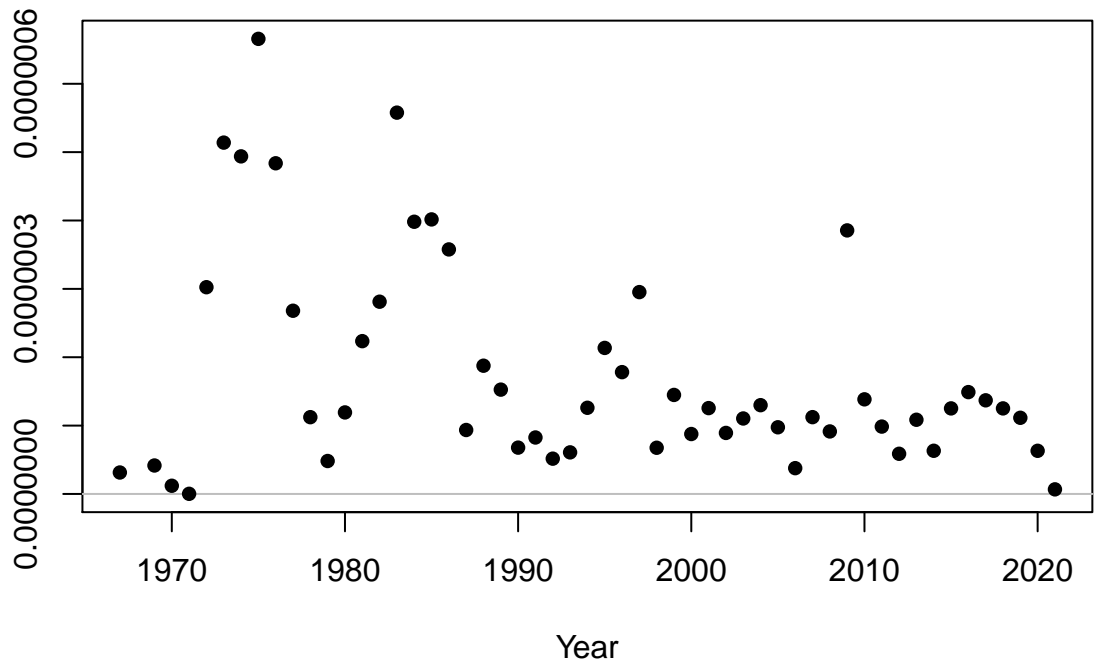


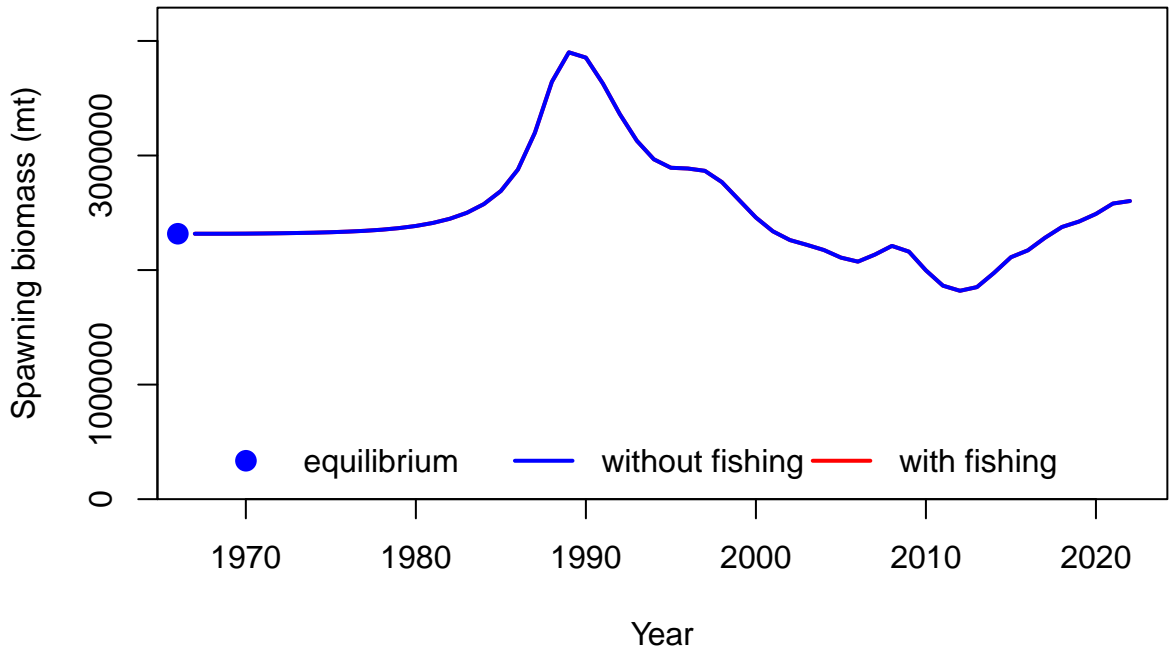
Age-0 recruits (1,000s)



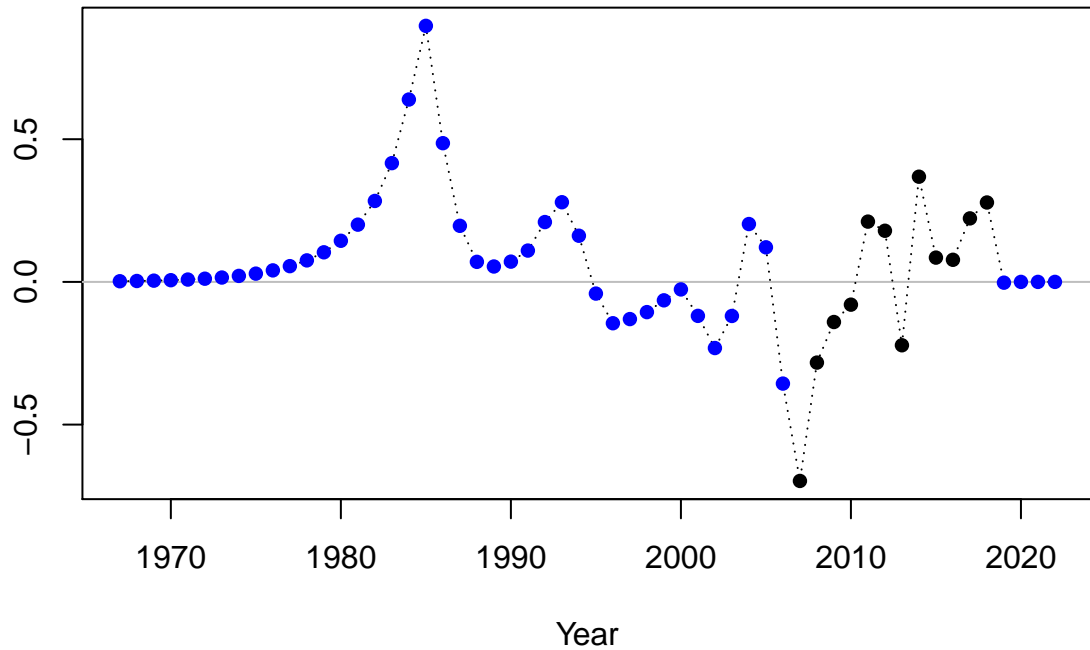


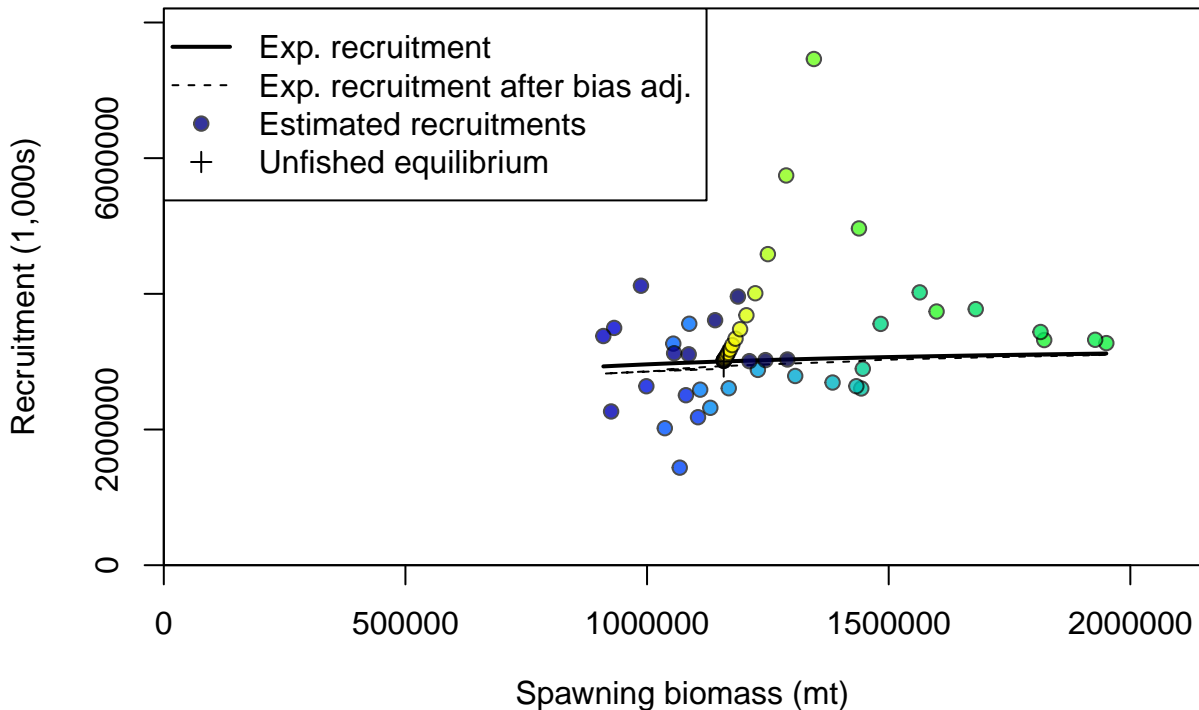
Summary Fishing Mortality

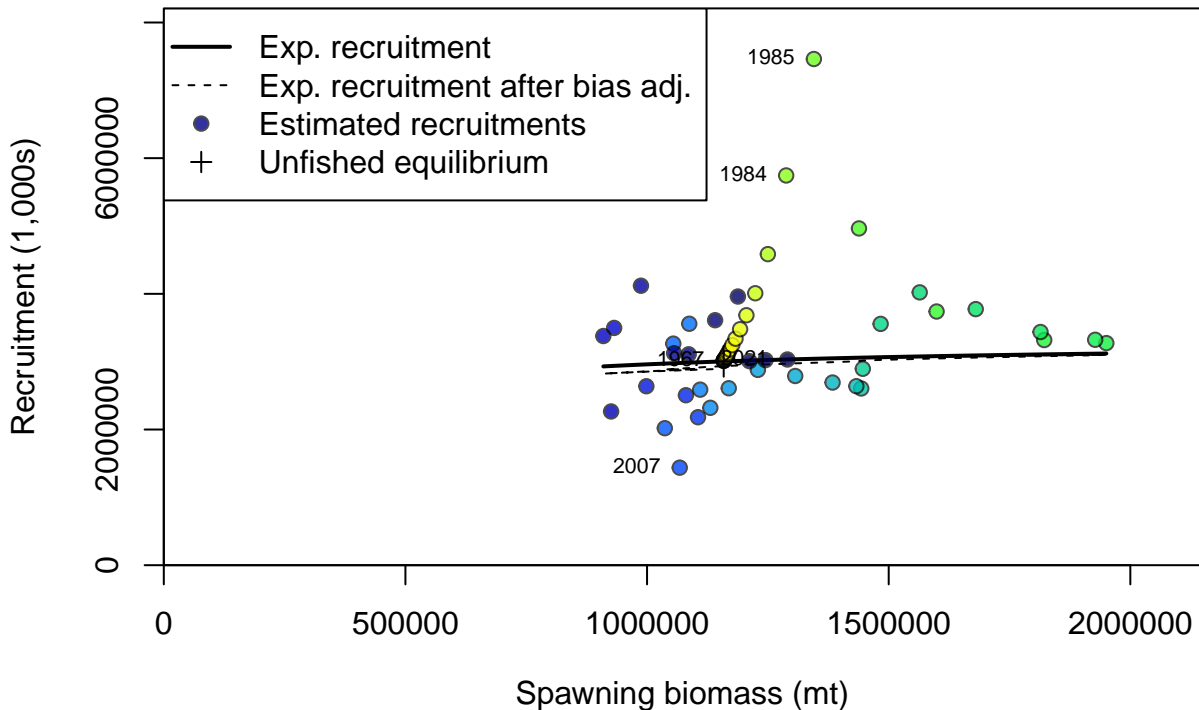




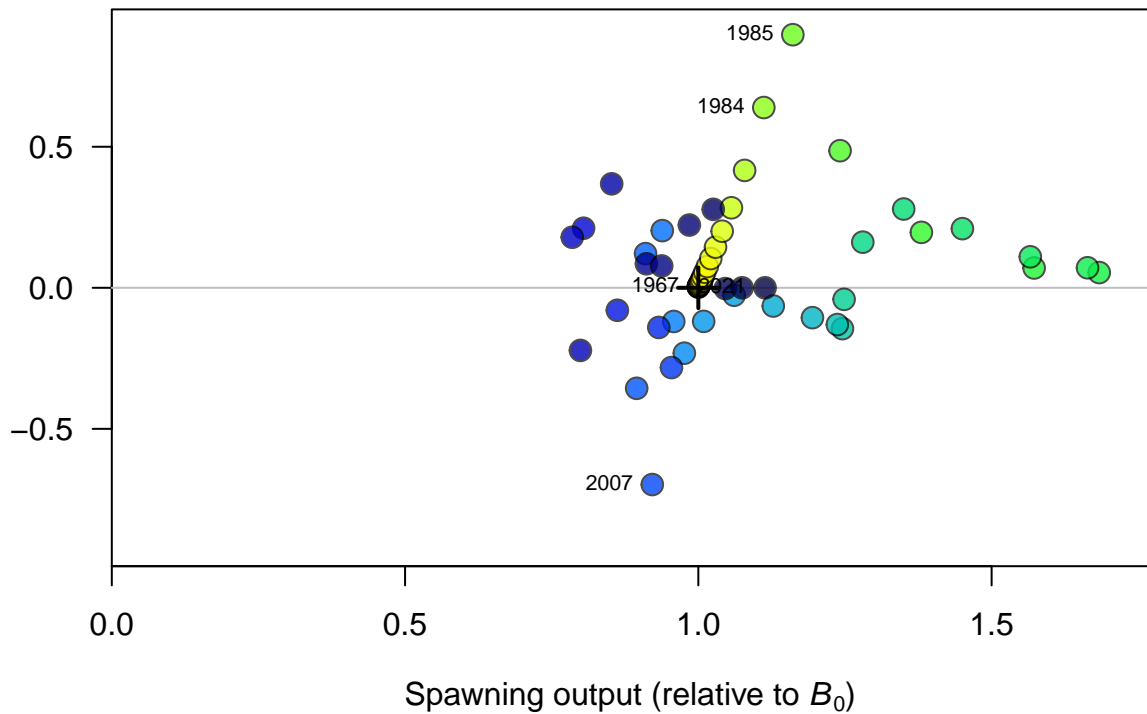
Log recruitment deviation

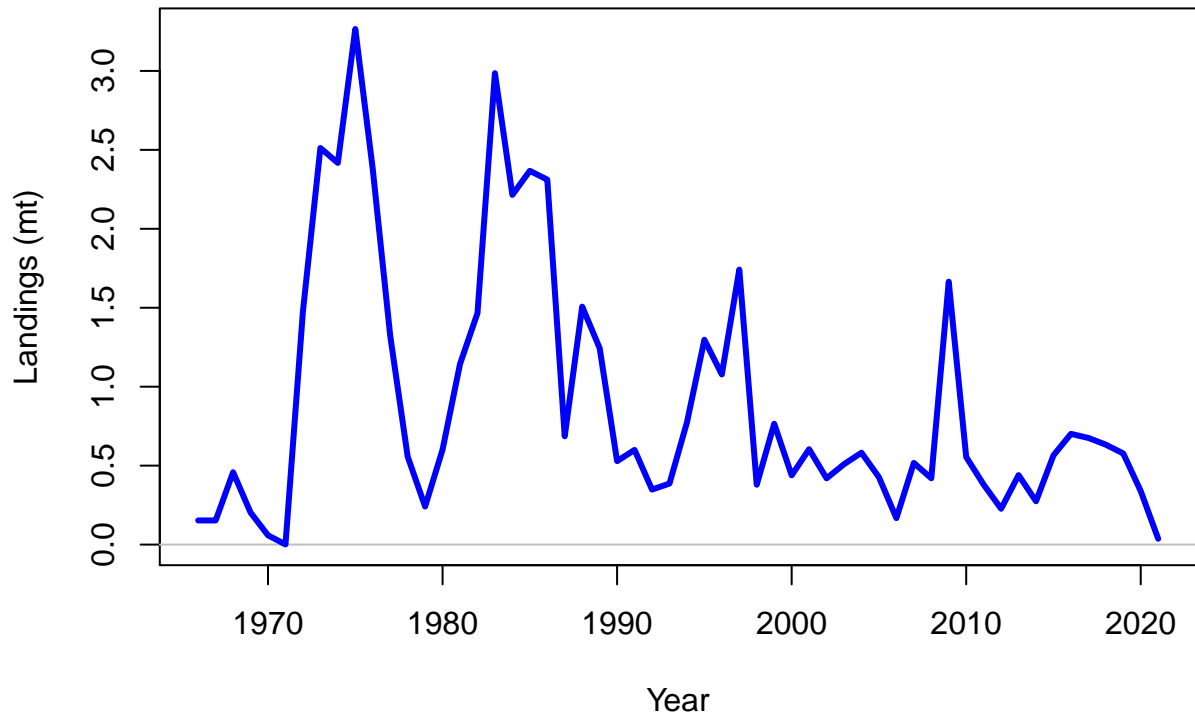






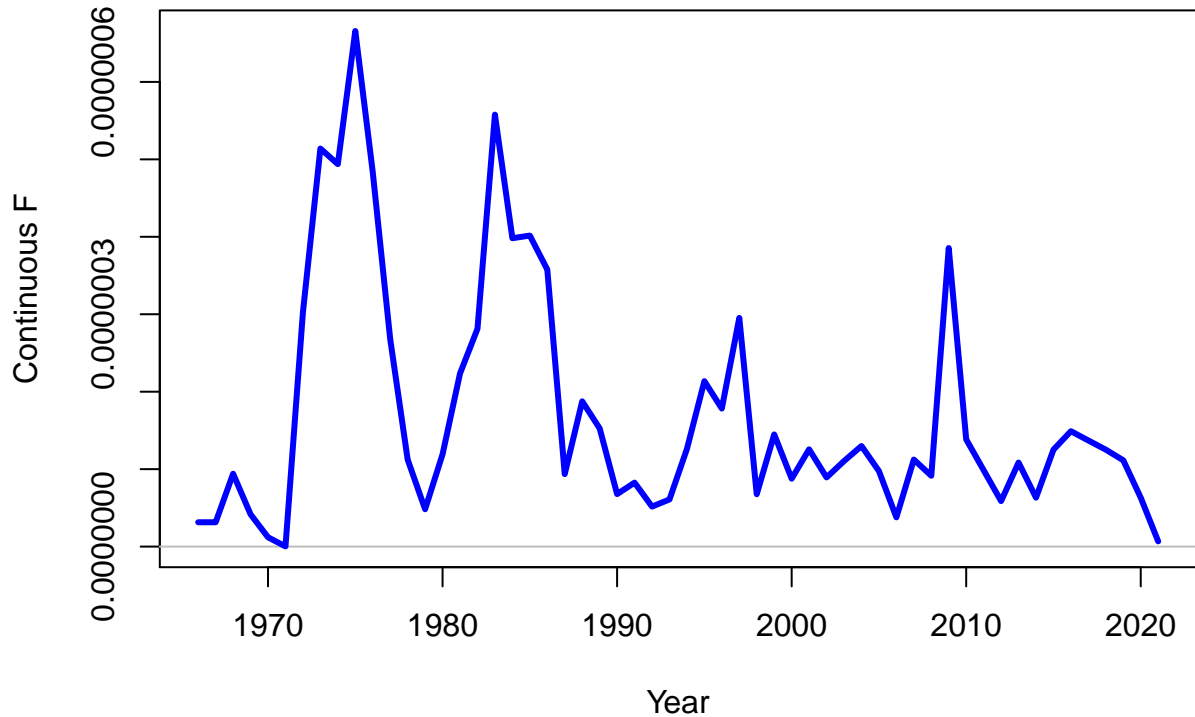
Log recruitment deviation



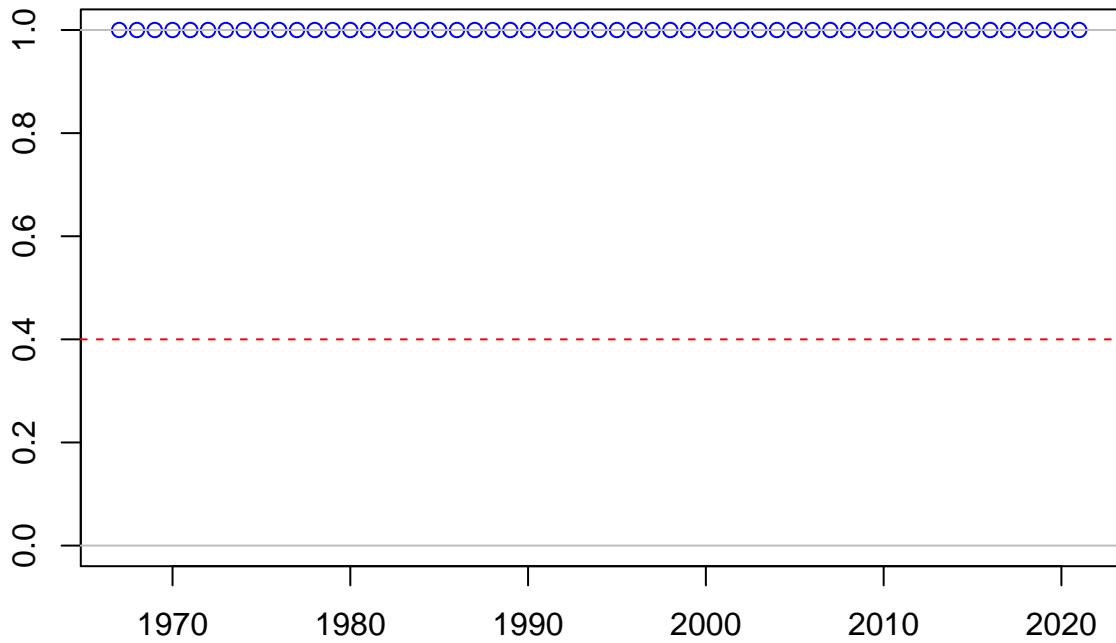




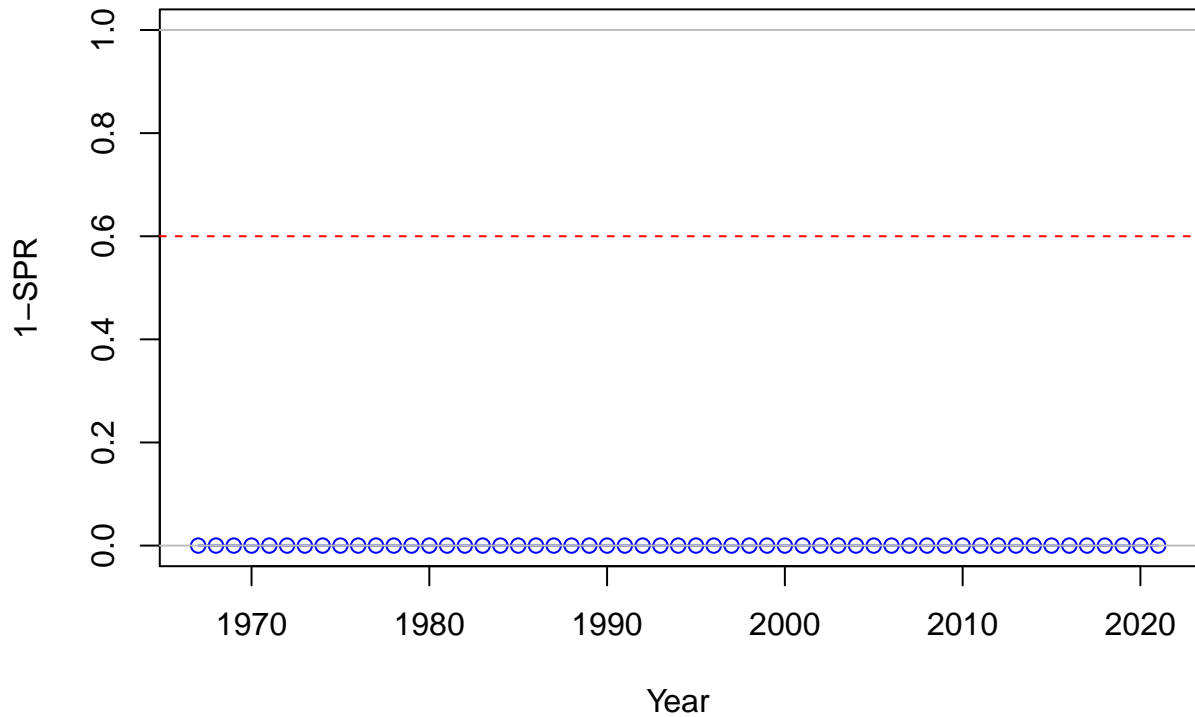




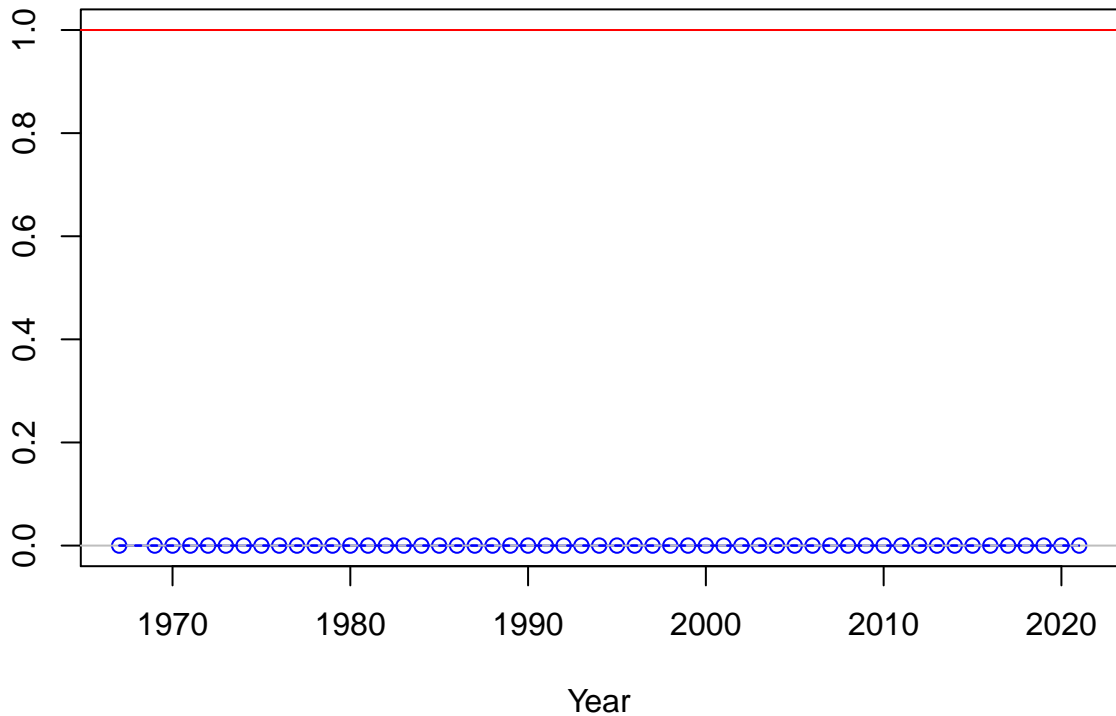
SPR



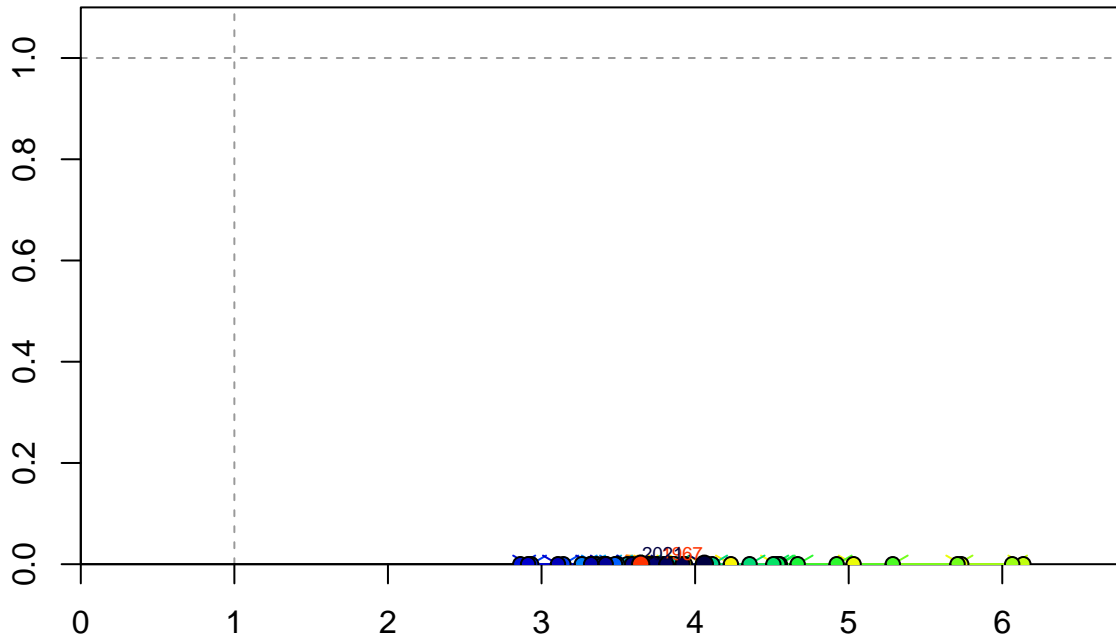
Year



Fishing intensity: 1-SPR

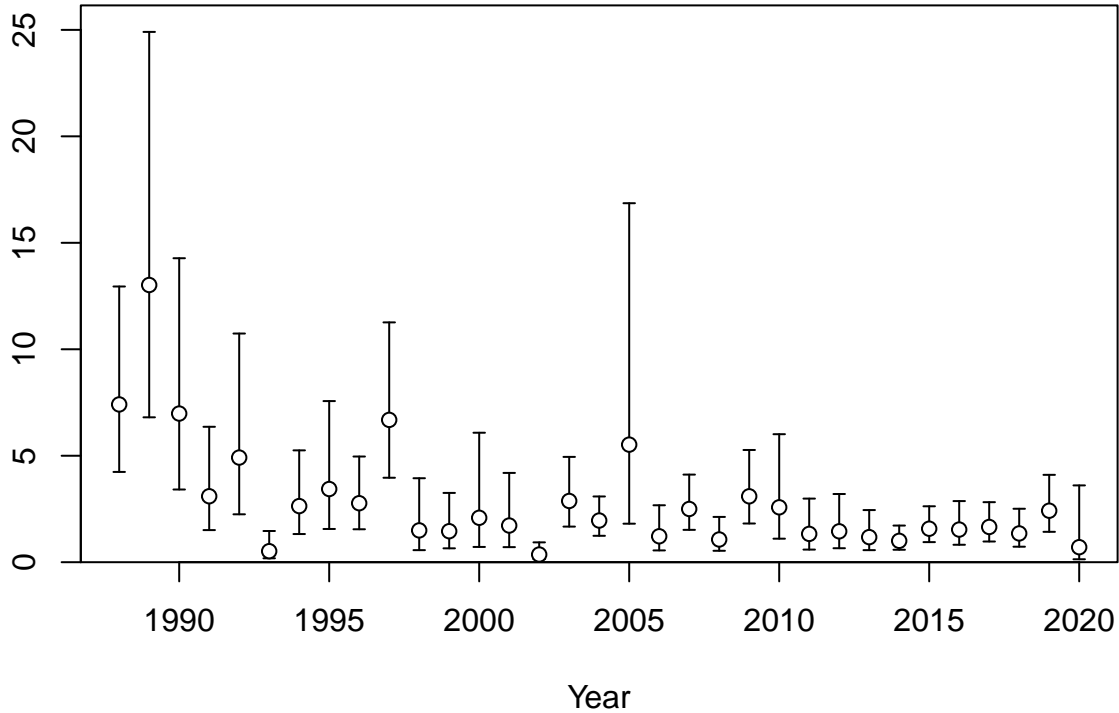


Fishing intensity: 1-SPR

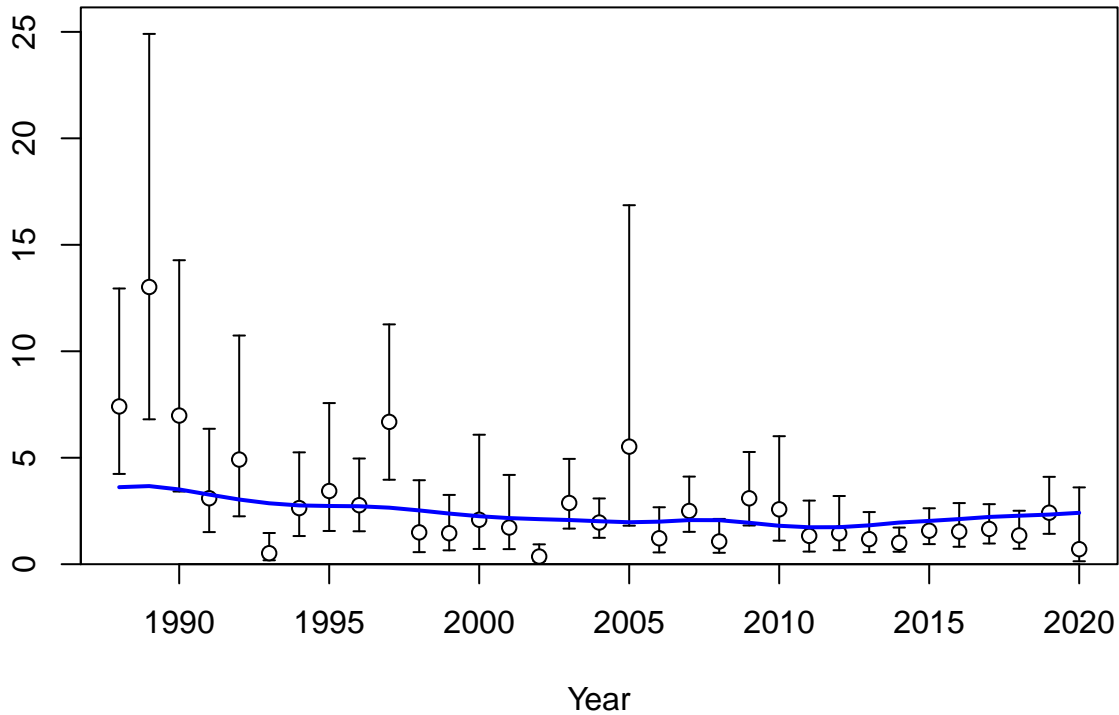


Relative spawning output:  $B/B_{MSY}$

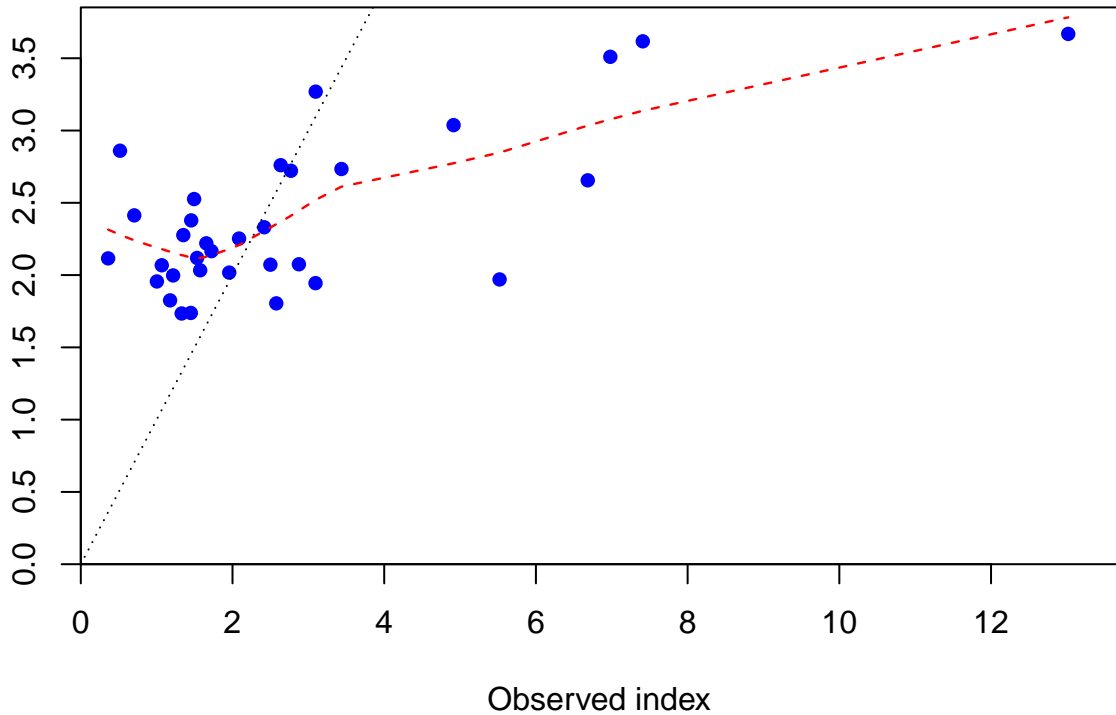
Index



Index

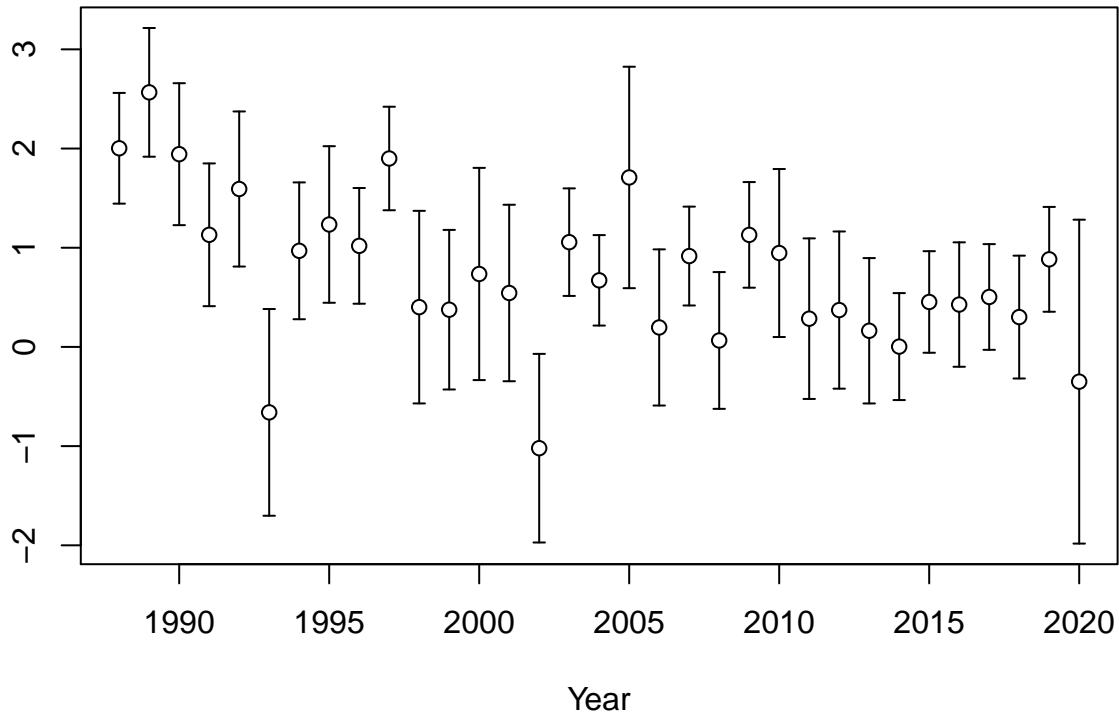


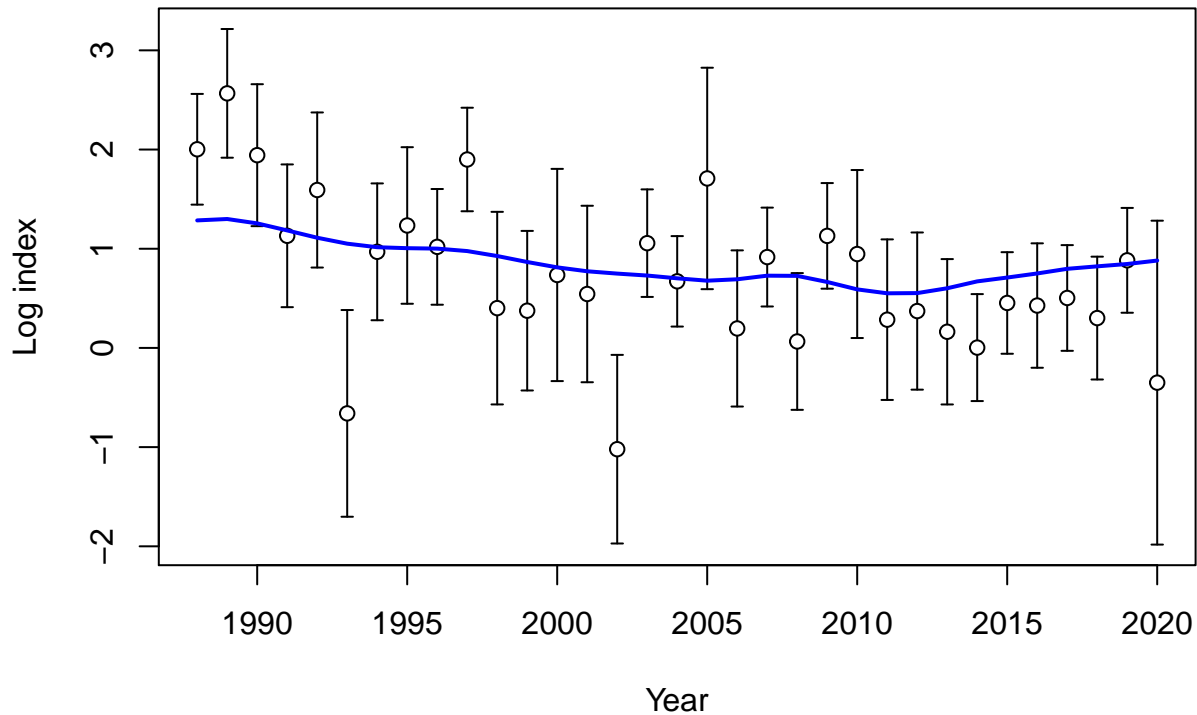
Expected index

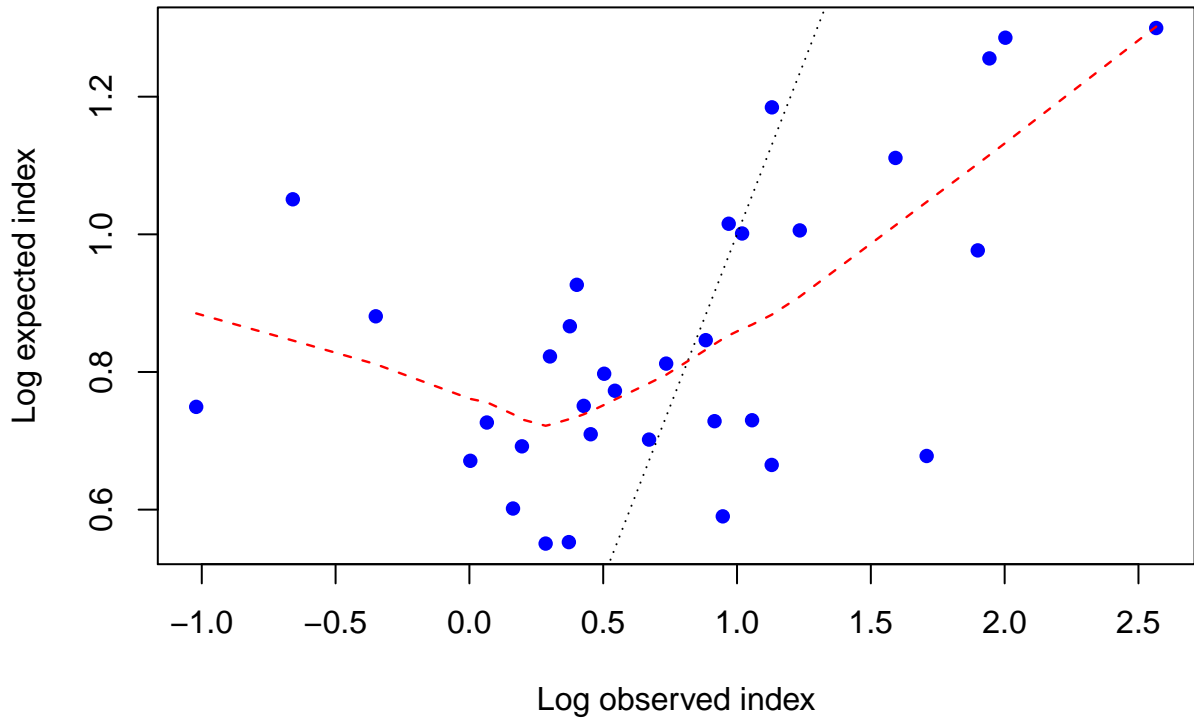




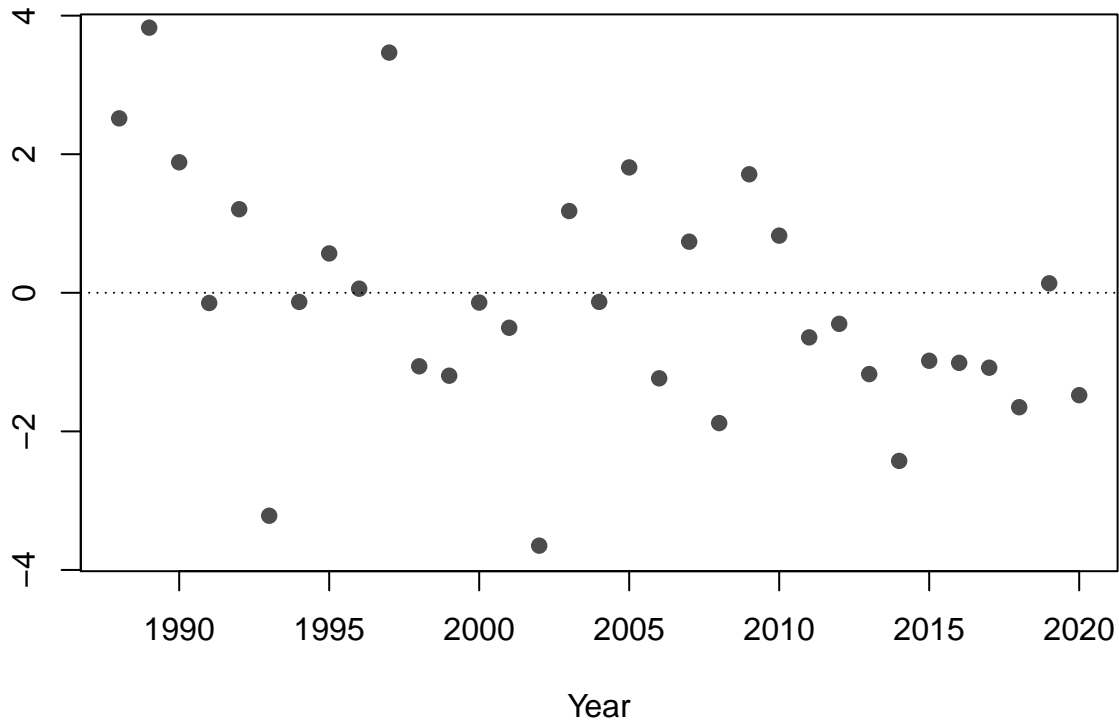
Log index

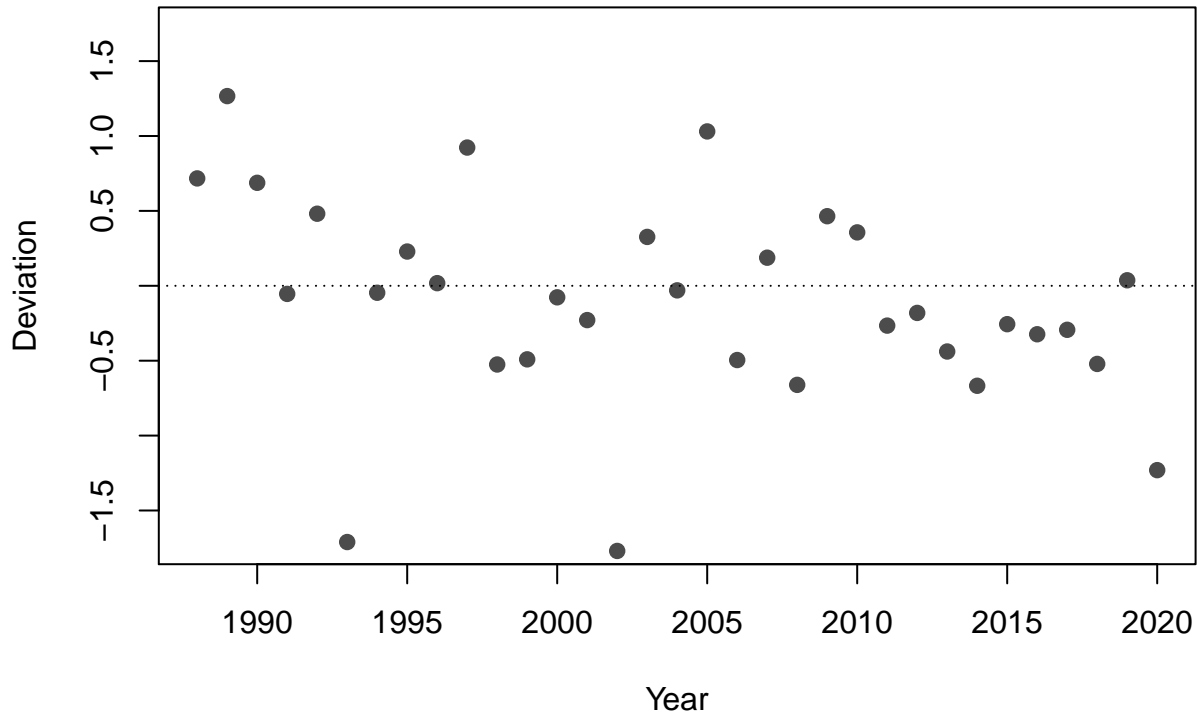




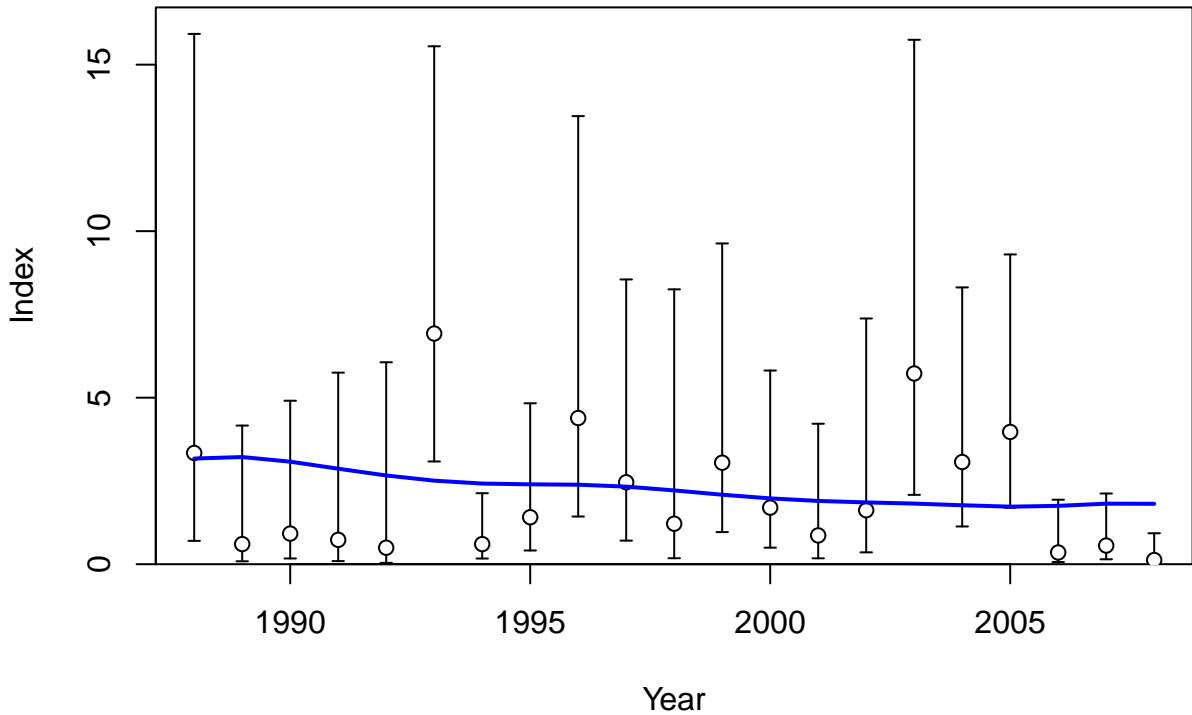


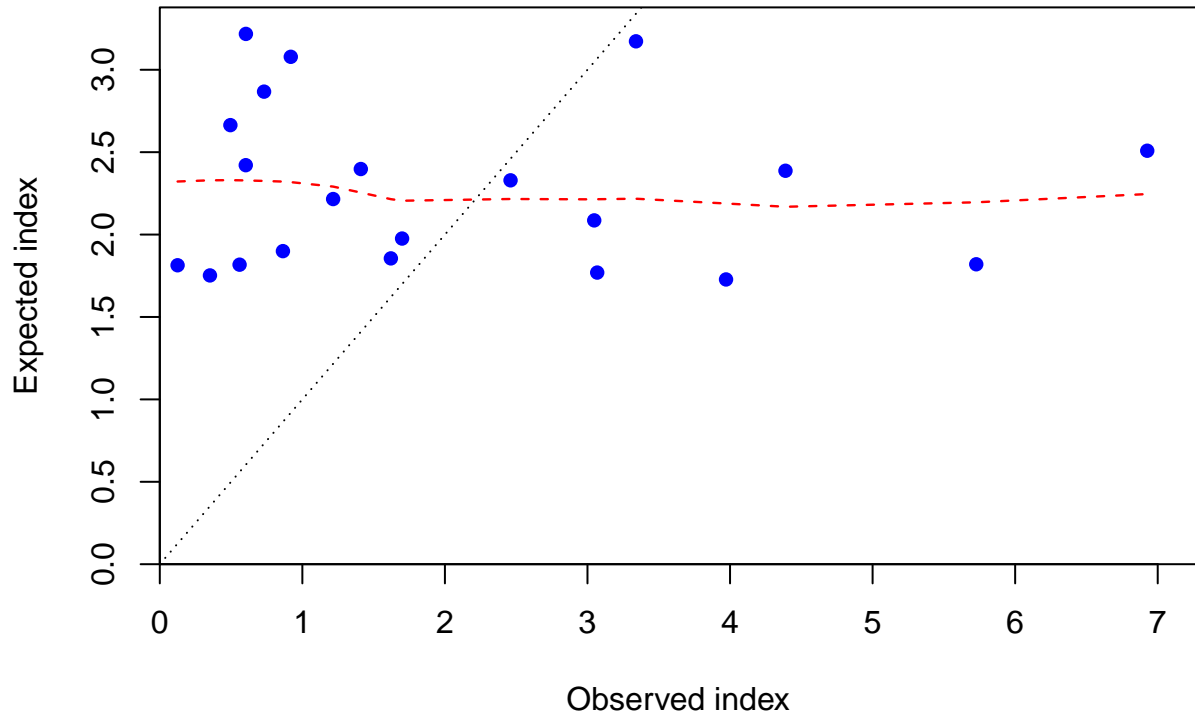
Residual









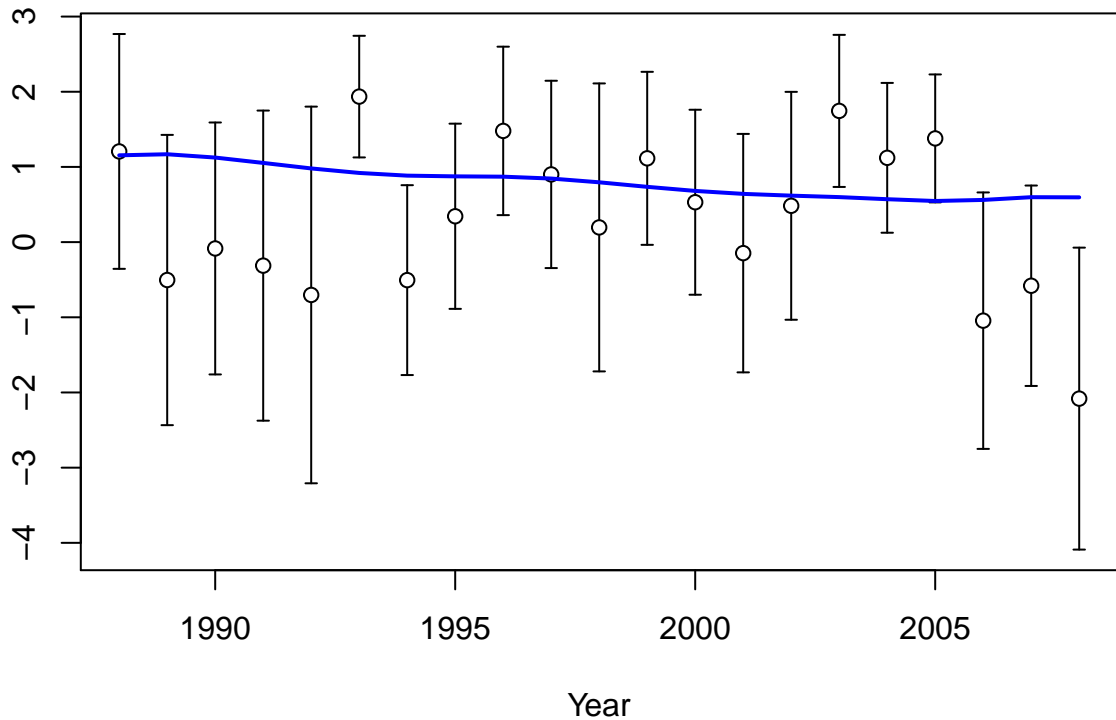


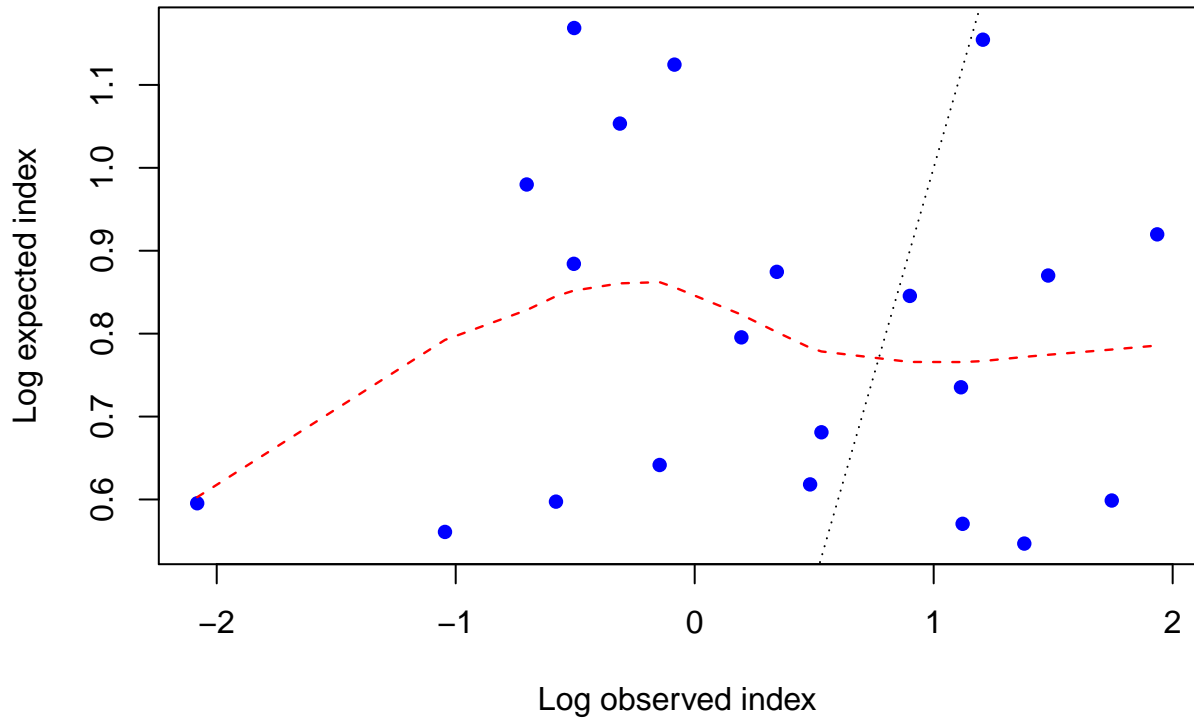


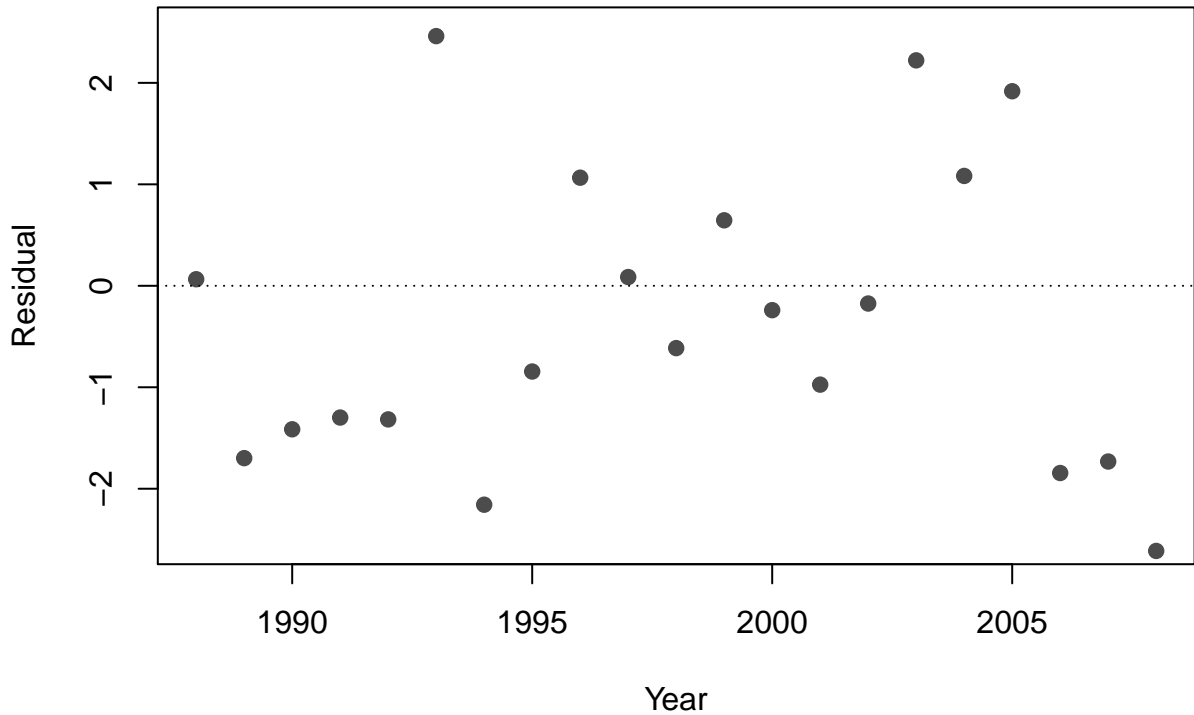
Log index

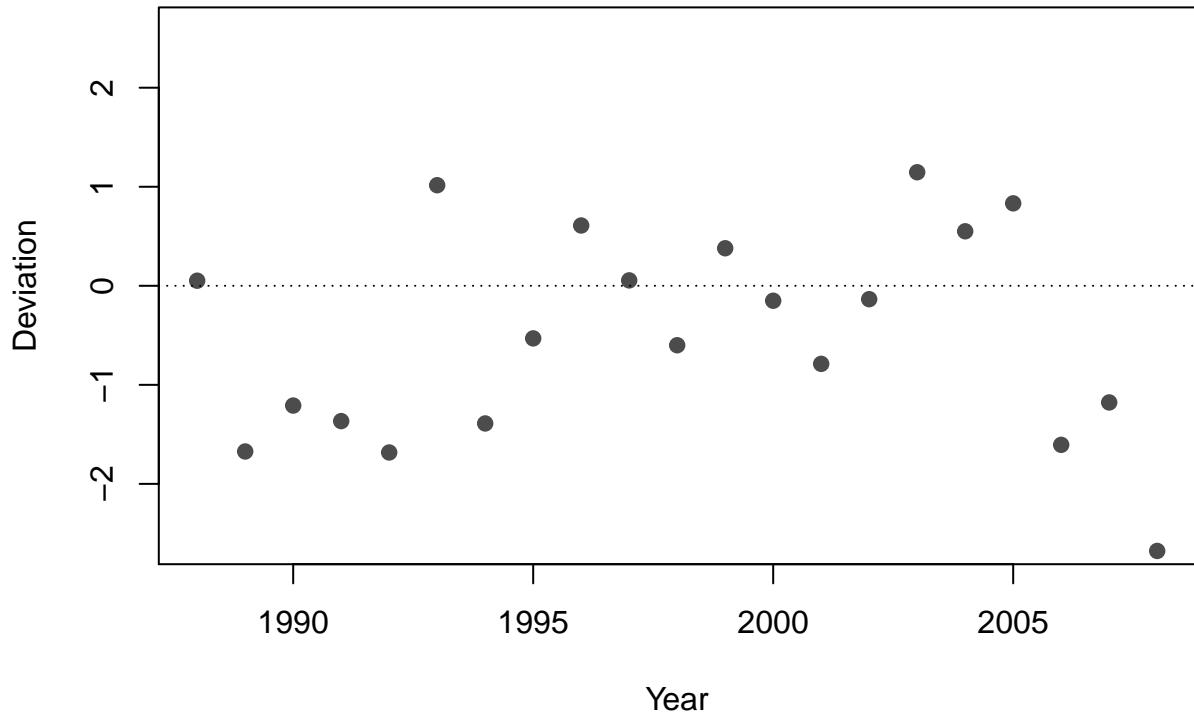


Log index



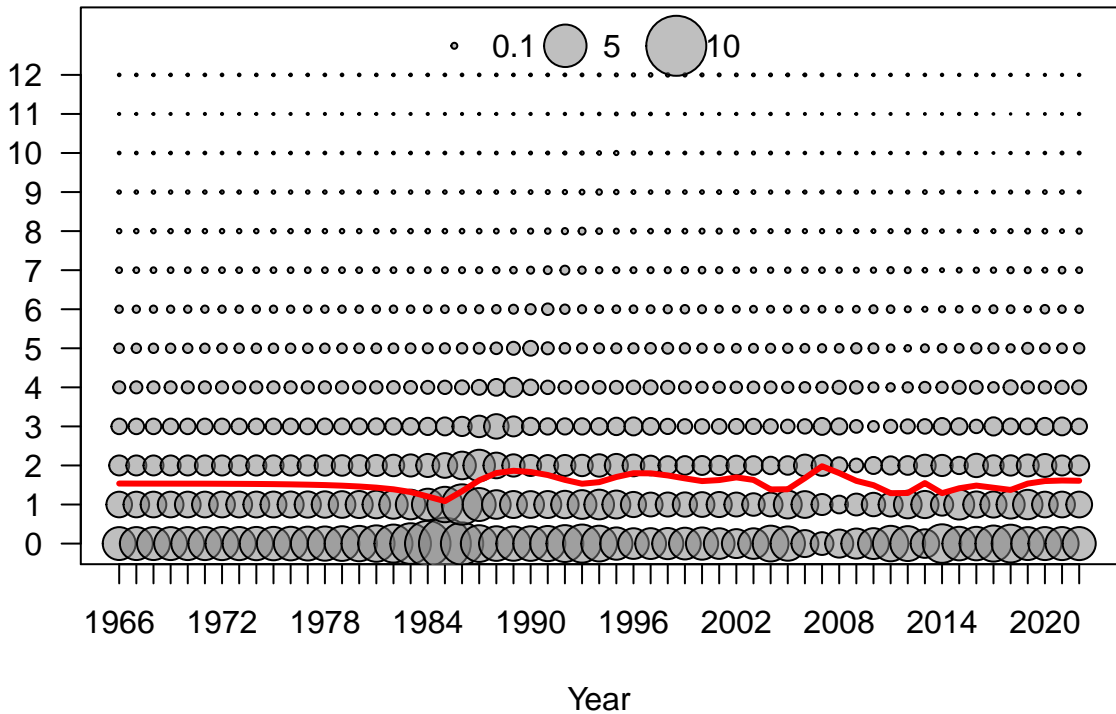




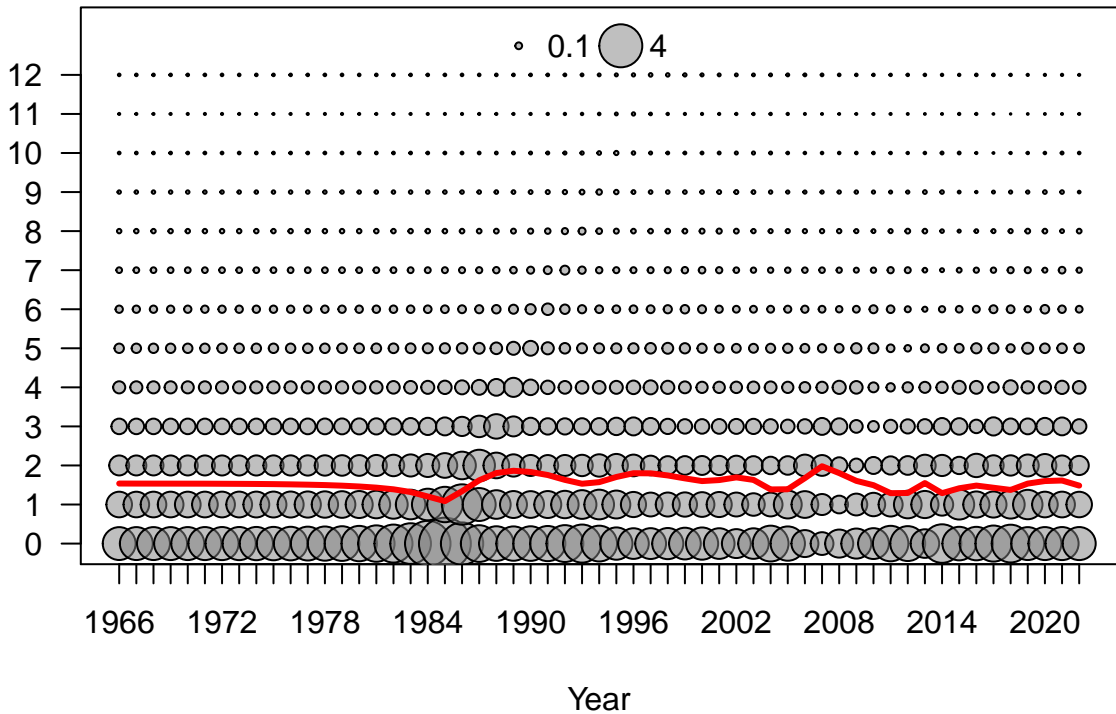




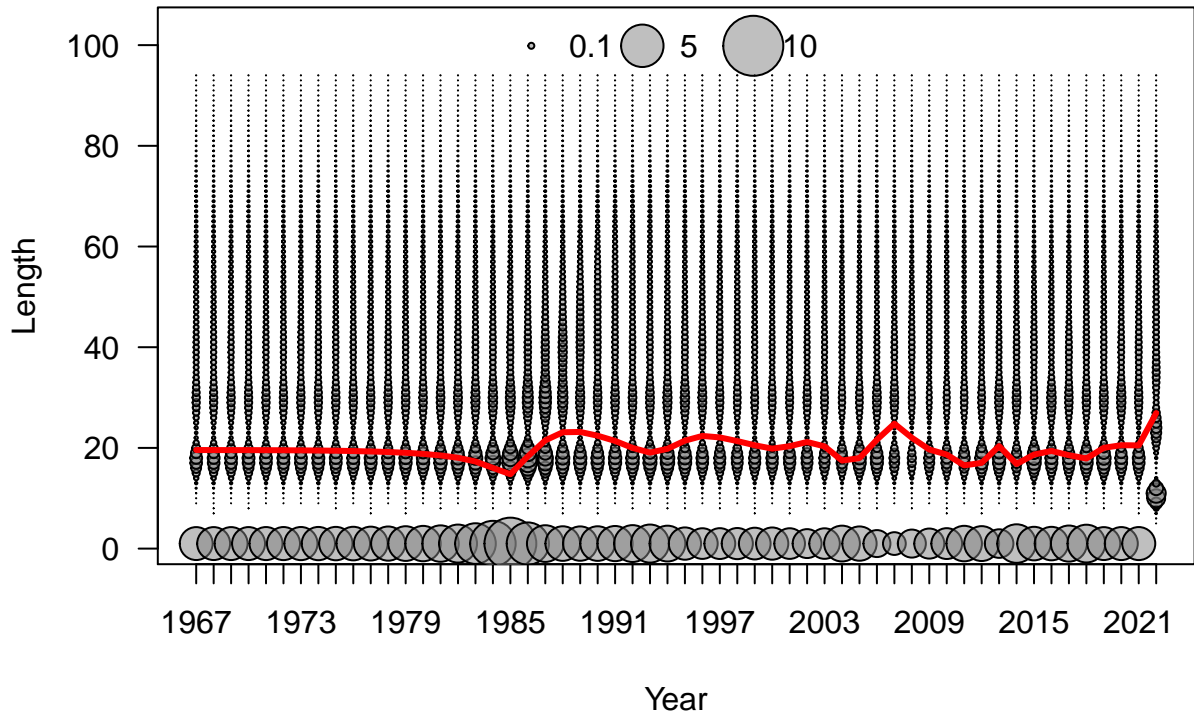
Age

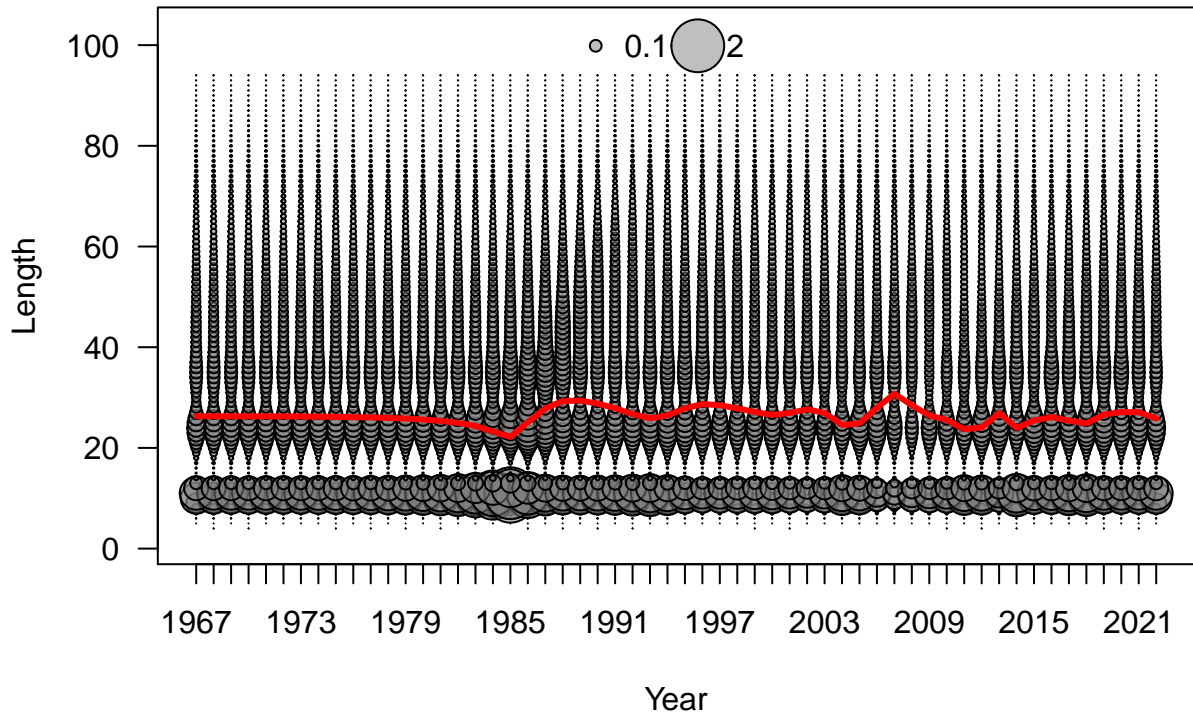


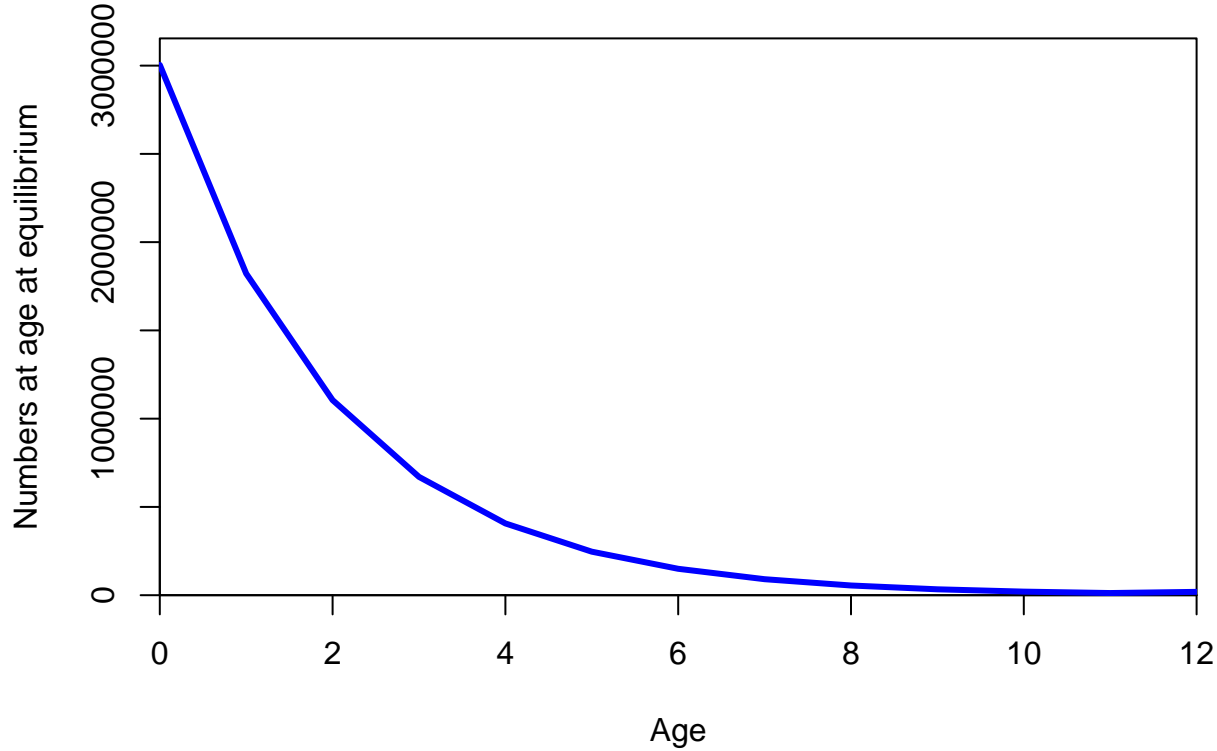
Age











# FISHERY

Sum of N adj.=244.2

Proportion

0.15

0.10

0.05

0.00

0

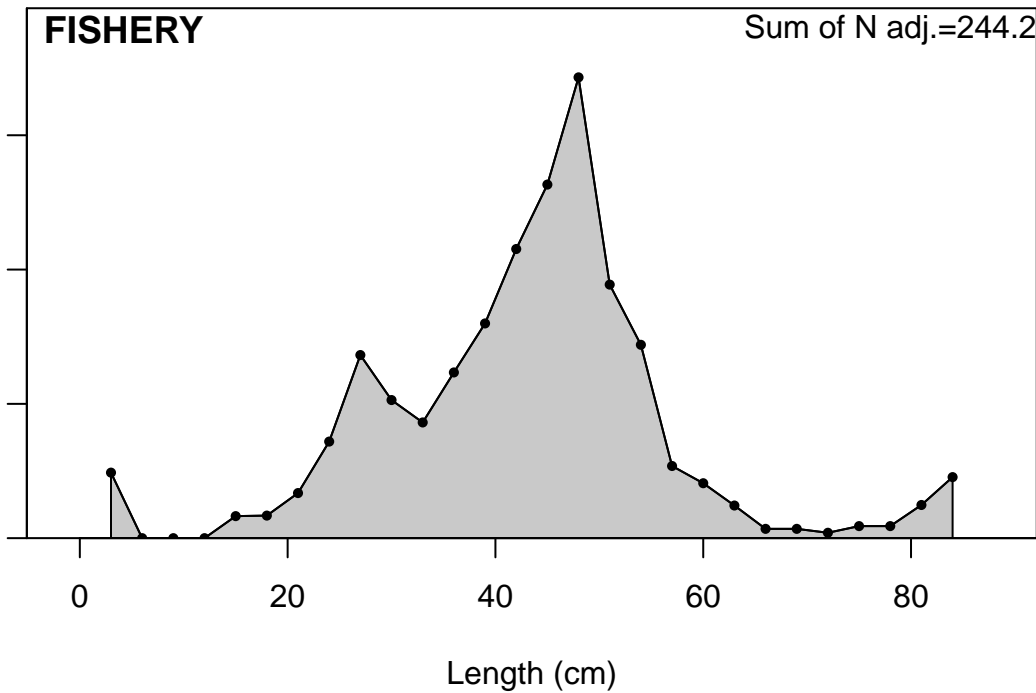
20

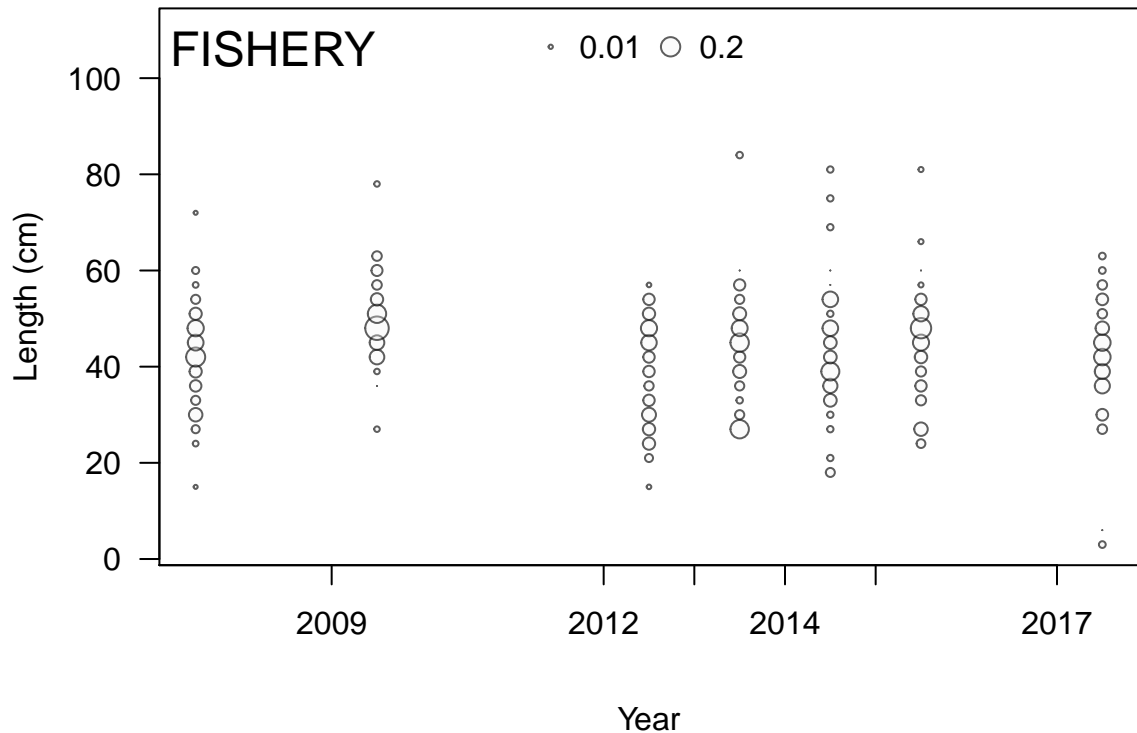
40

60

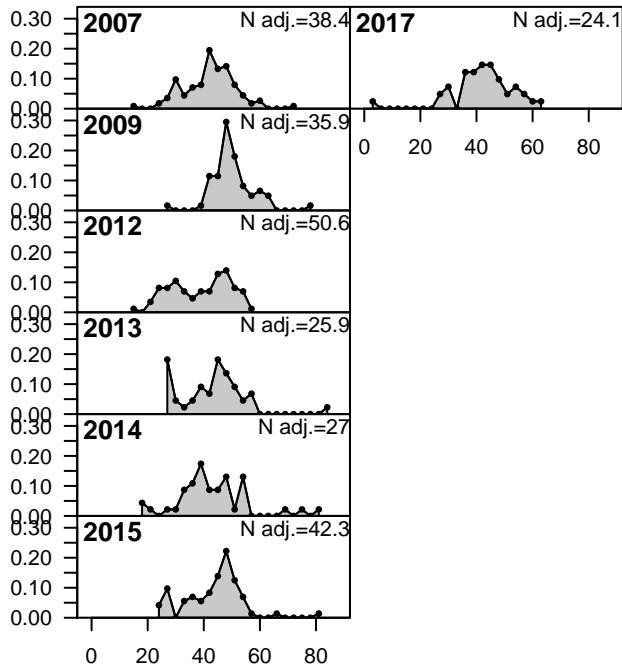
80

Length (cm)

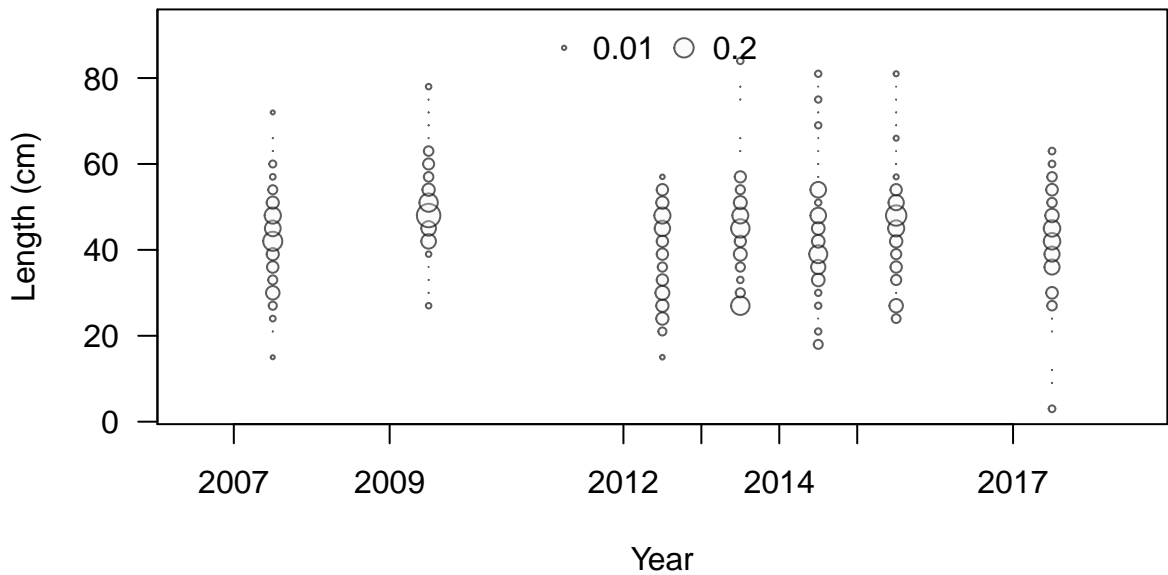




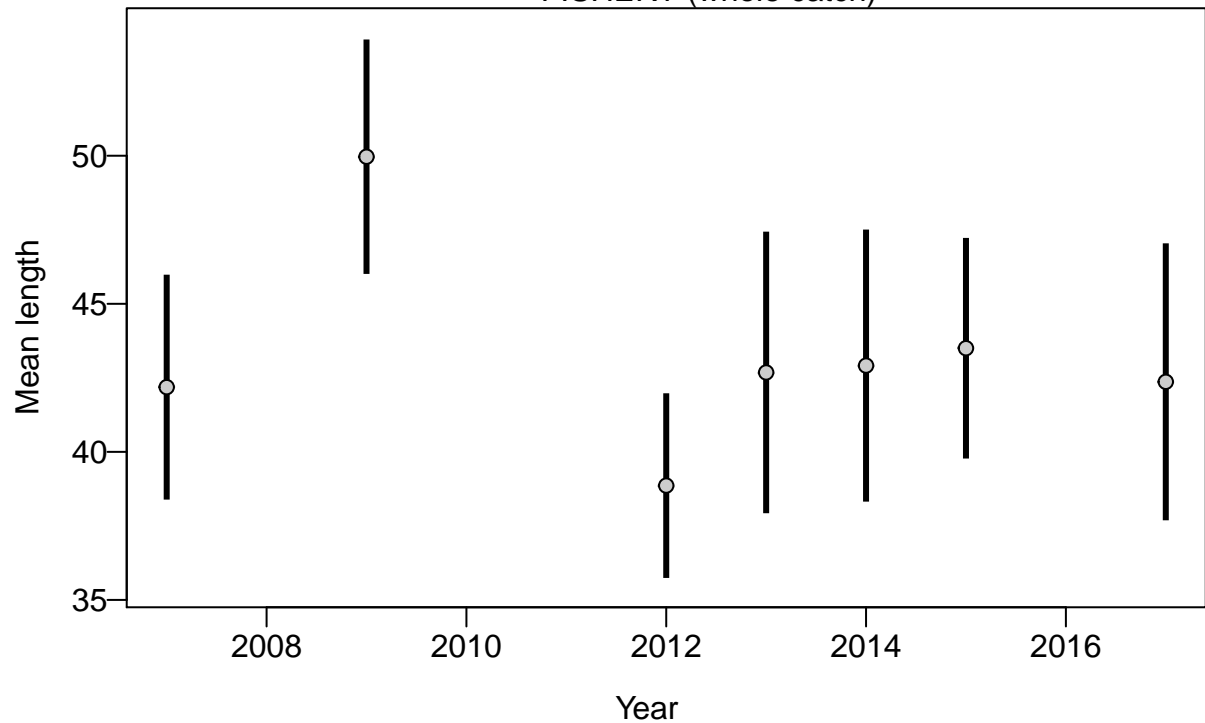
Proportion



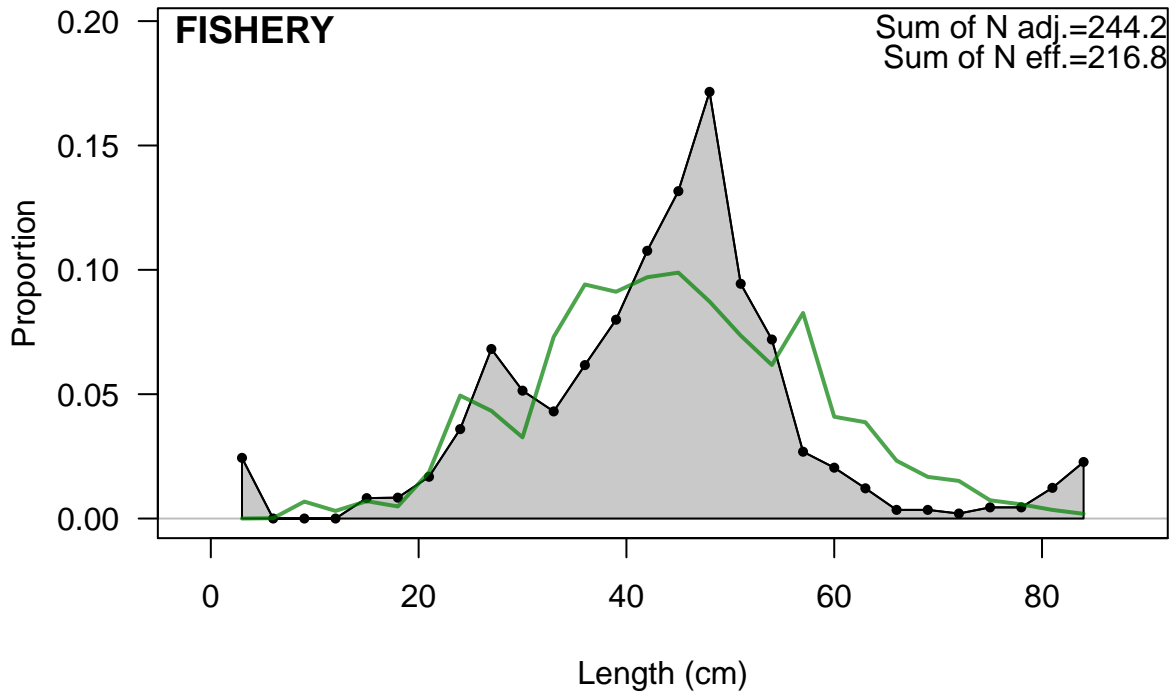
Length (cm)

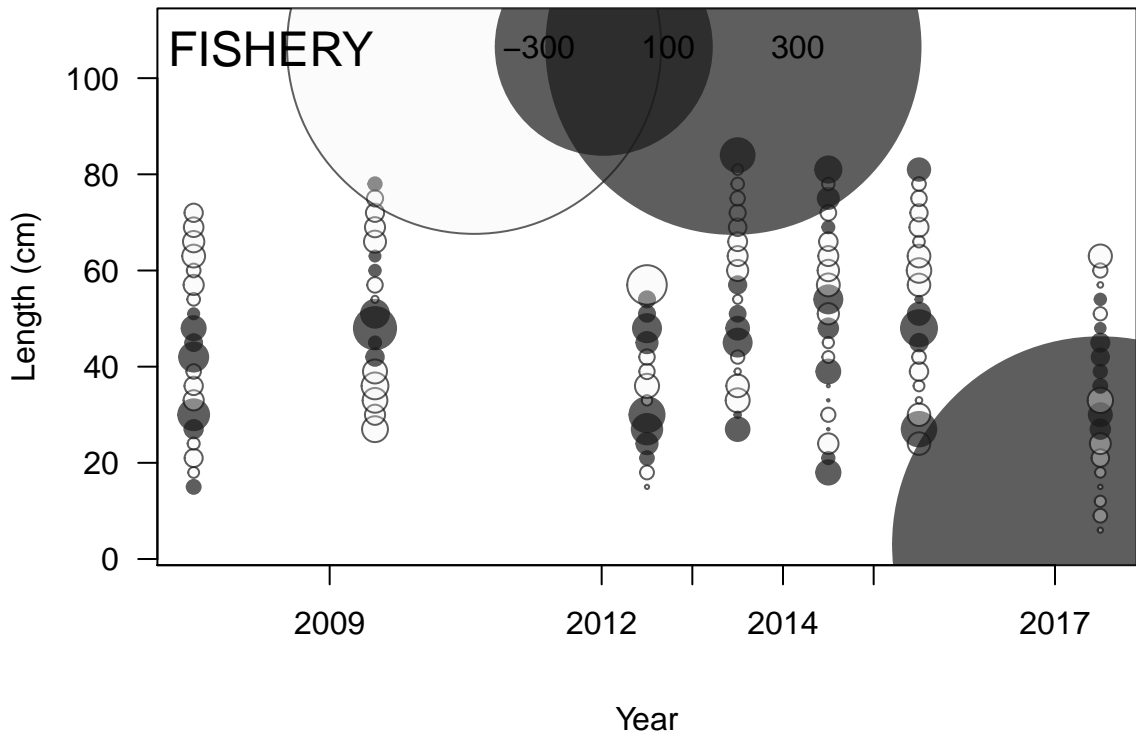


FISHERY (whole catch)

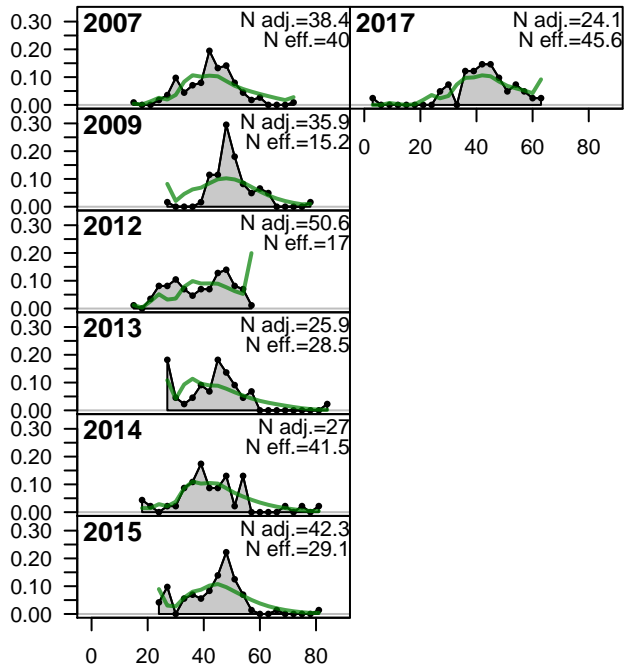




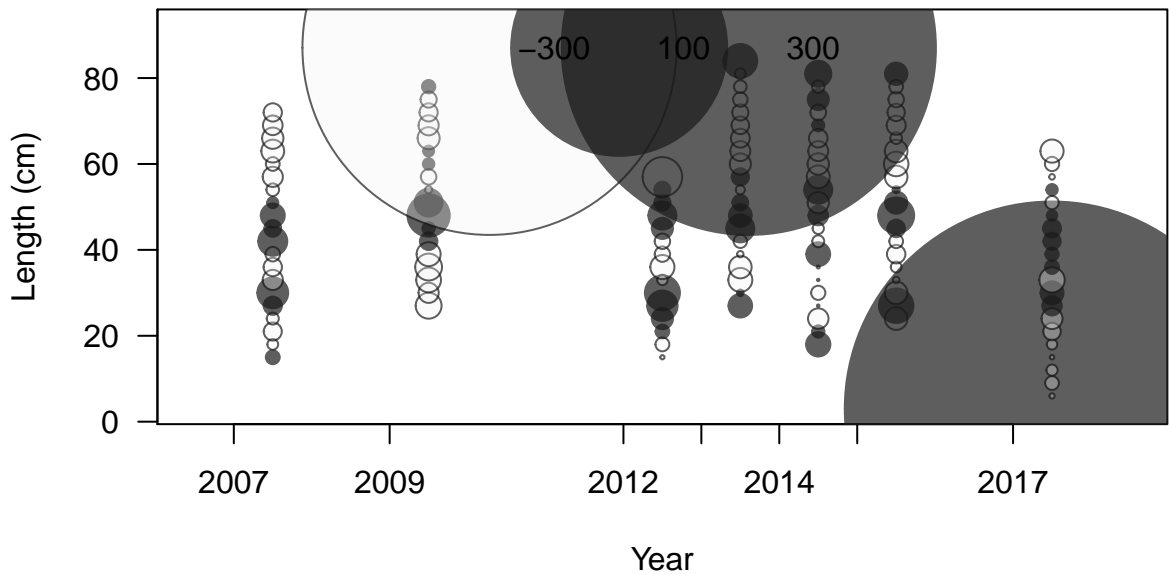




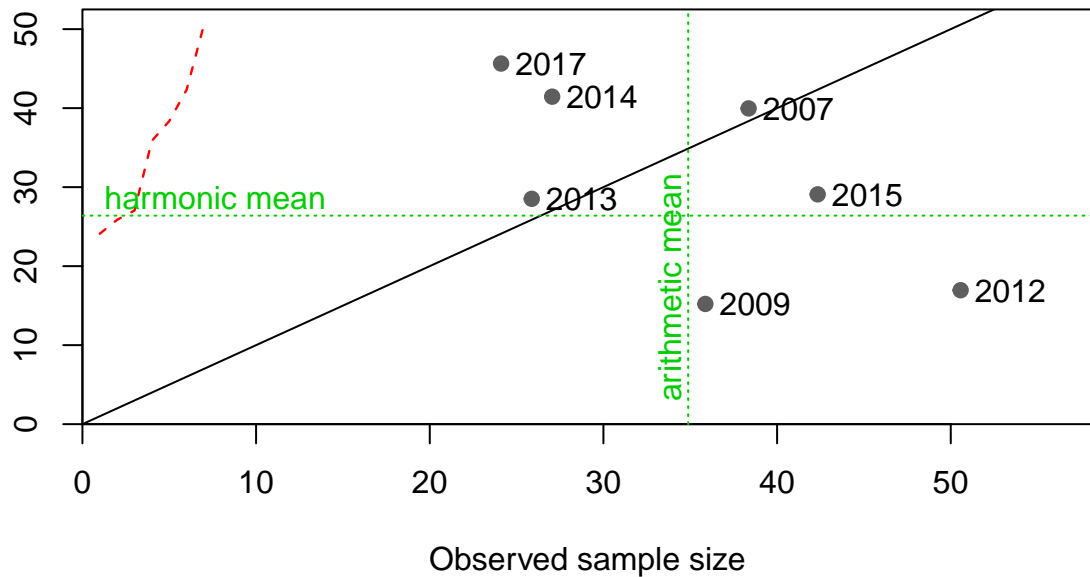
Proportion



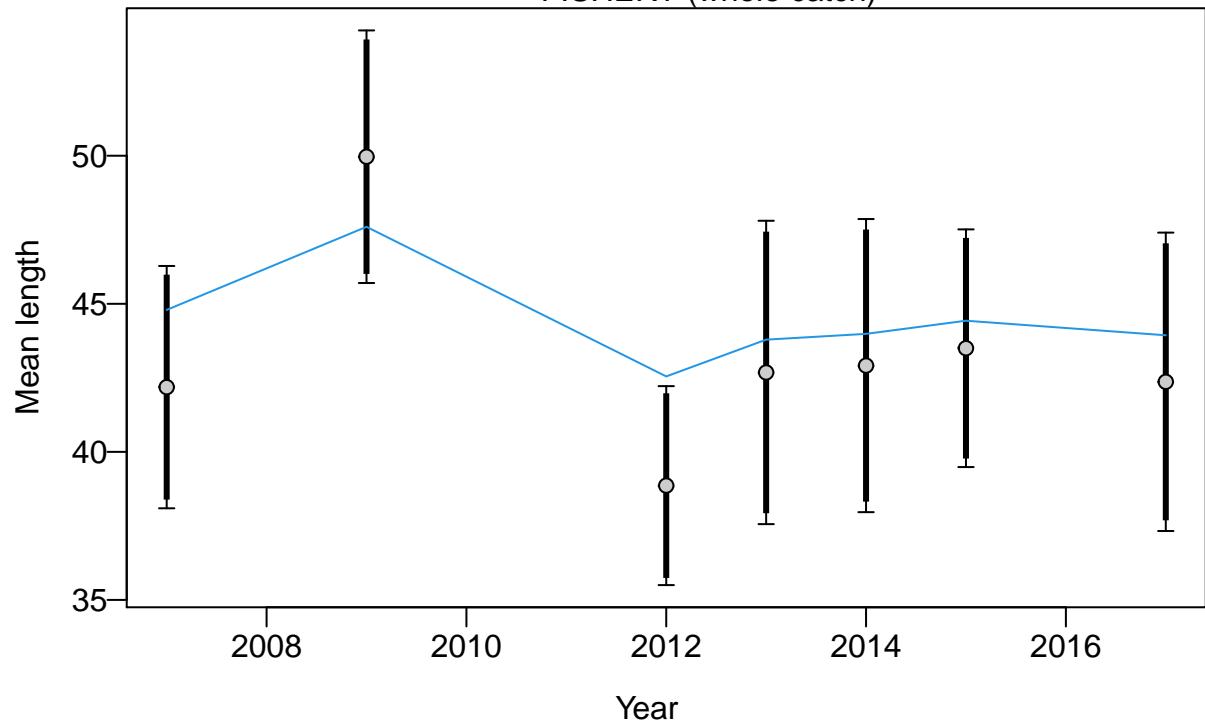
Length (cm)

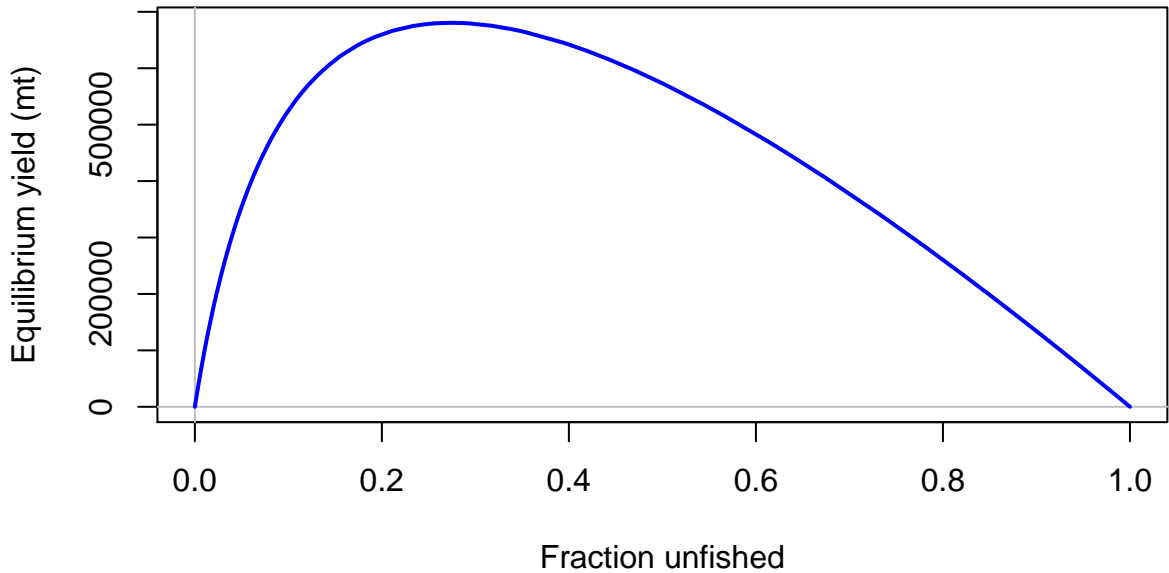


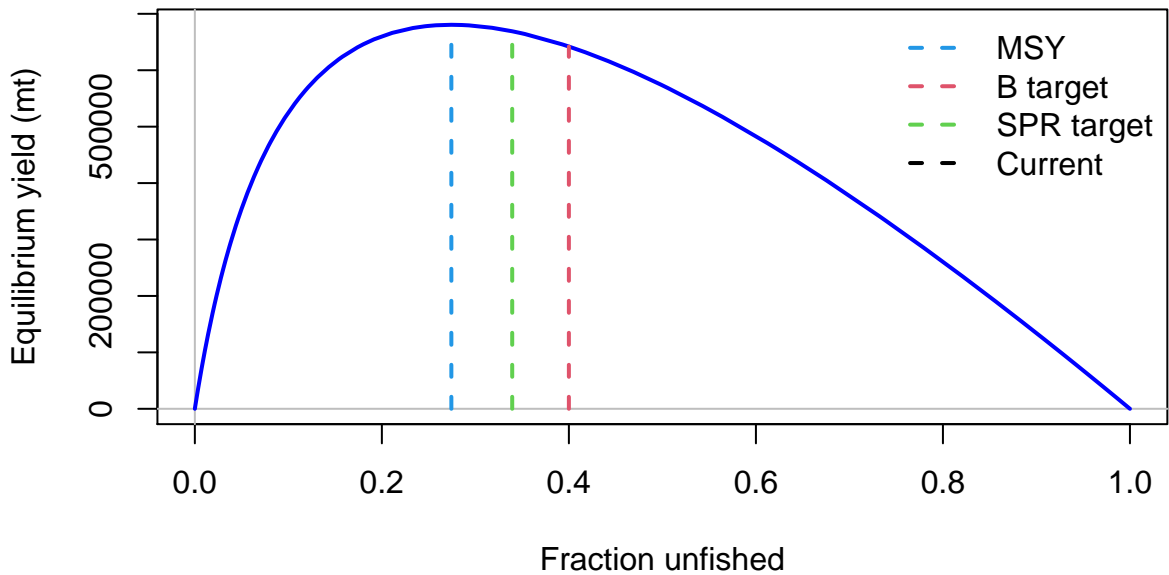
Effective sample size



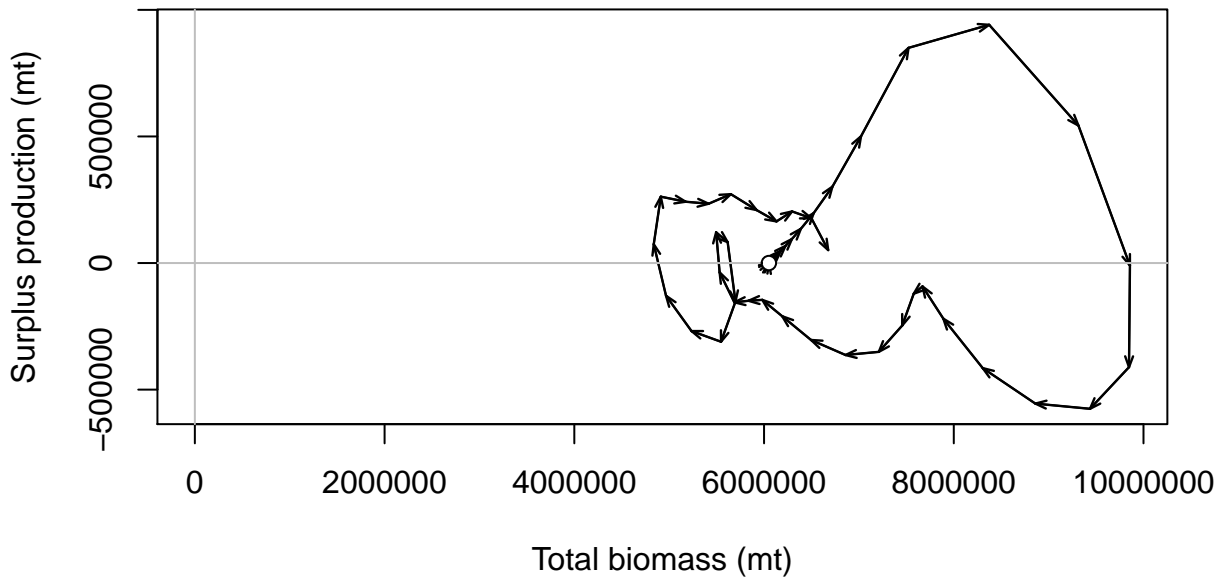
FISHERY (whole catch)

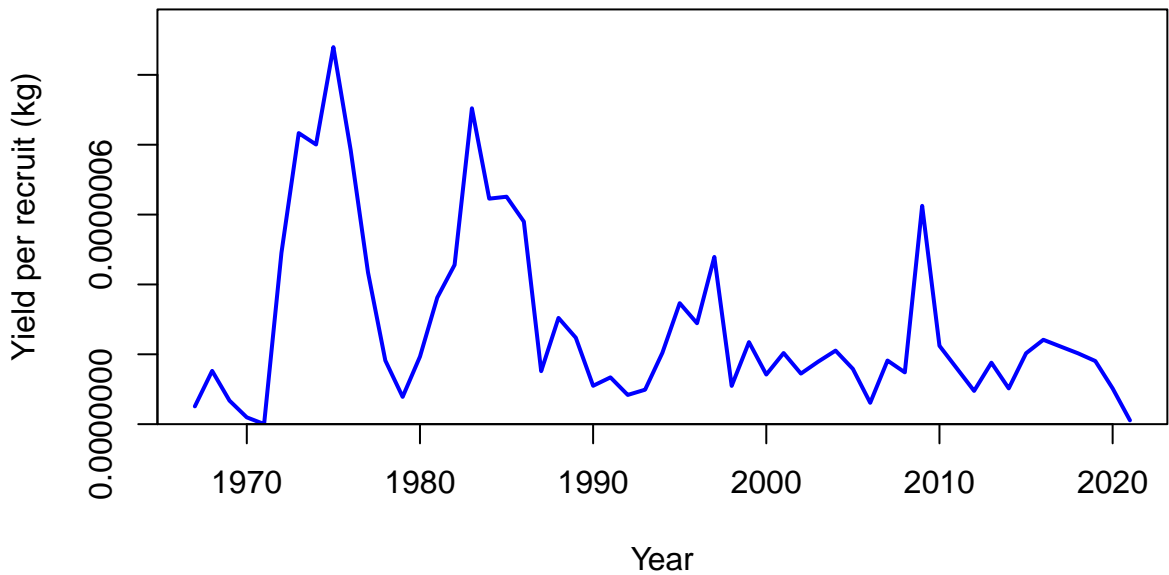




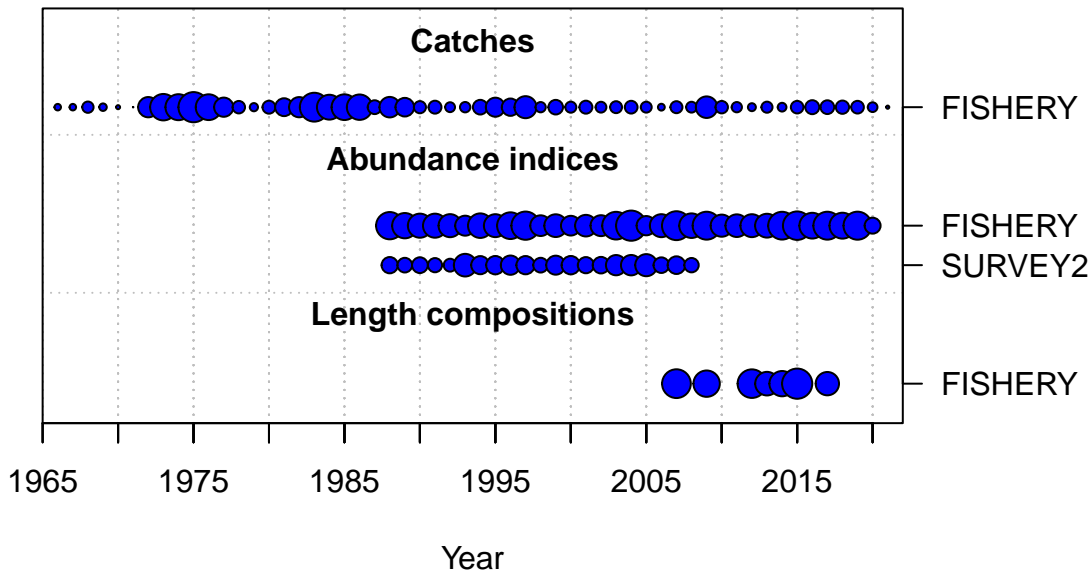










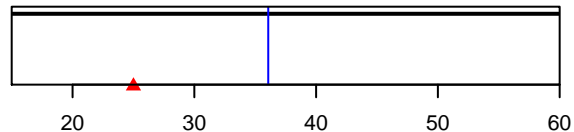


Density

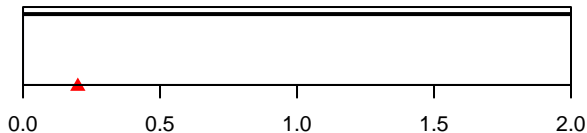
SR\_LN(R0)



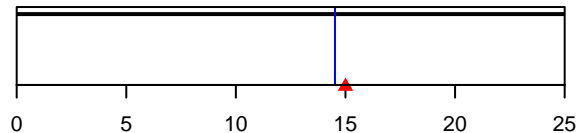
Size\_inflection\_FISHERY(1)



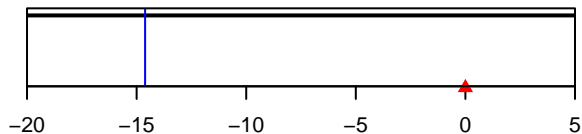
InitF\_seas\_1\_flt\_1FISHERY



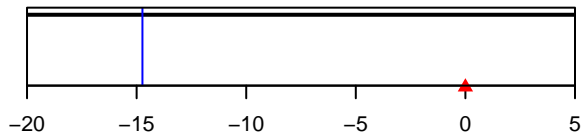
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value