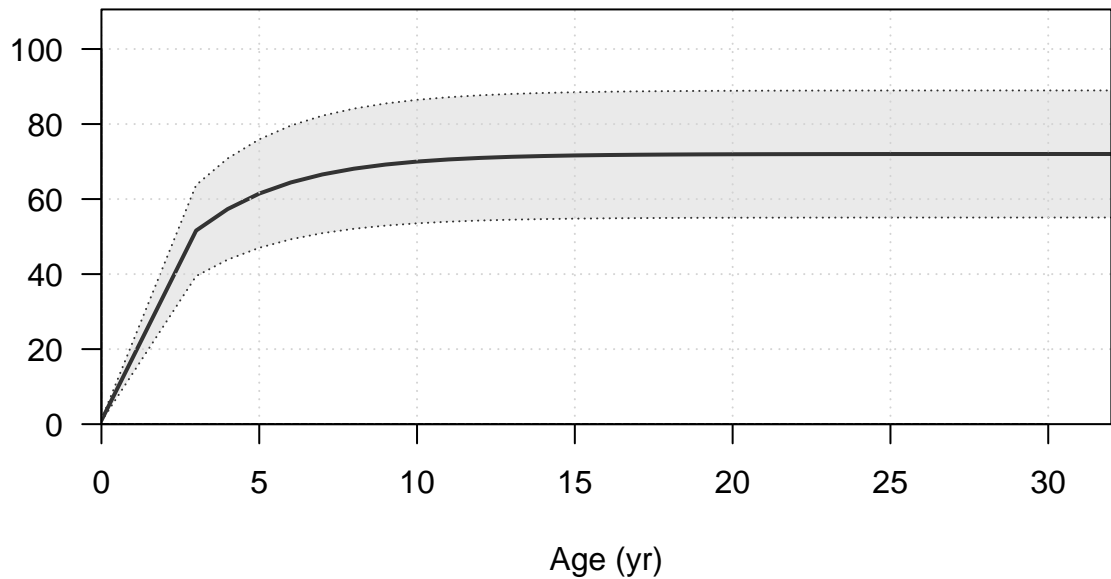
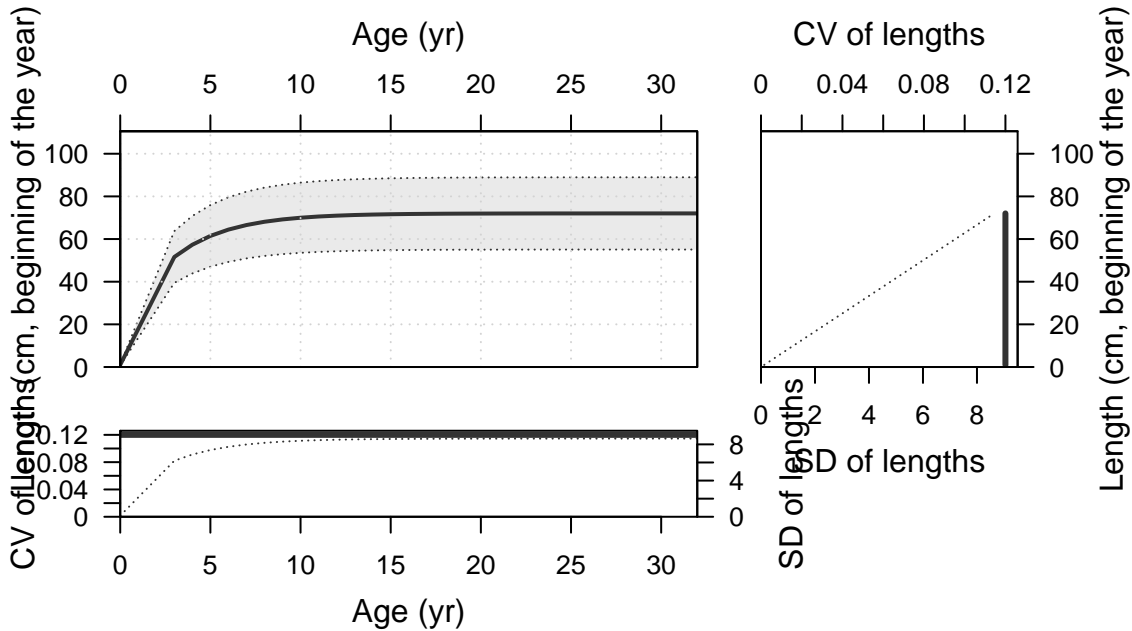
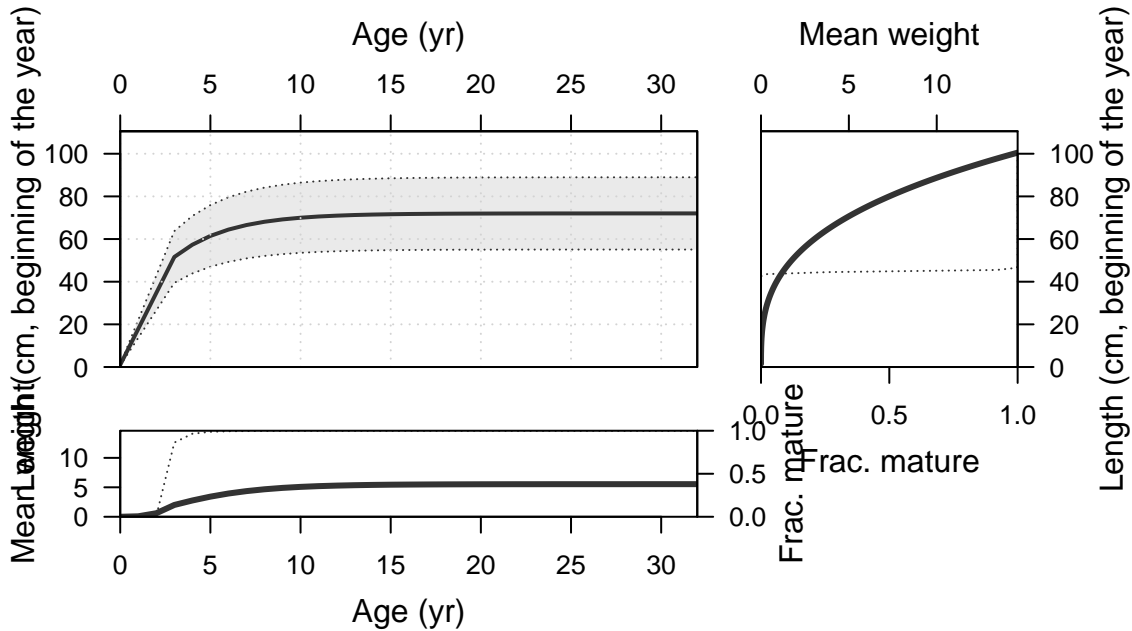


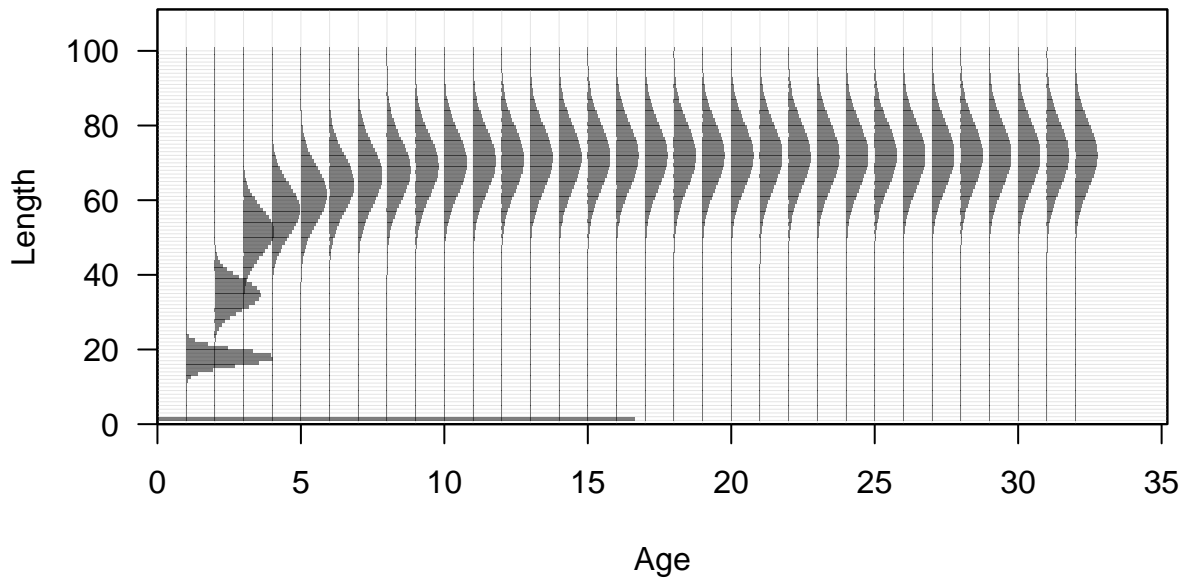
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.b  
StartTime: Fri Jun 17 13:51:36 2022  
Data\_File: data.ss  
Control\_File: control.ss

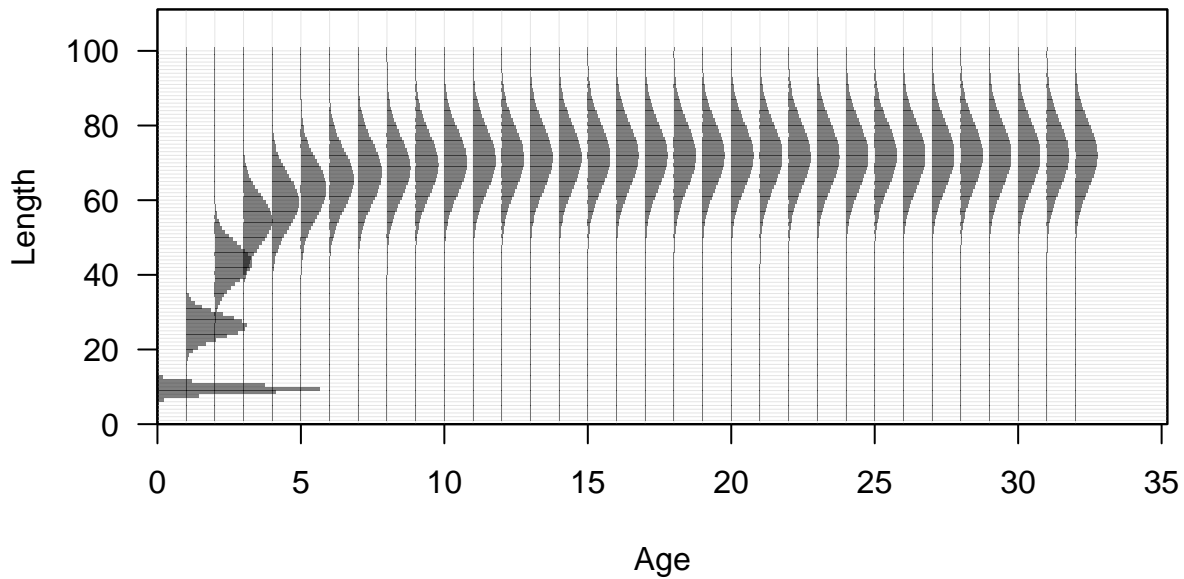
Length (cm, beginning of the year)



















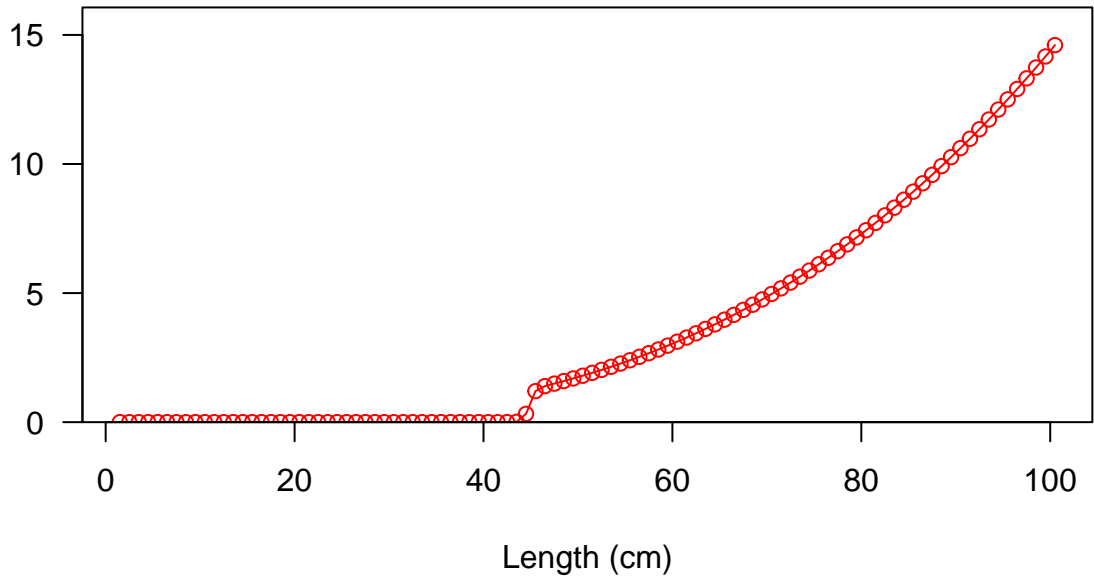
Fecundity

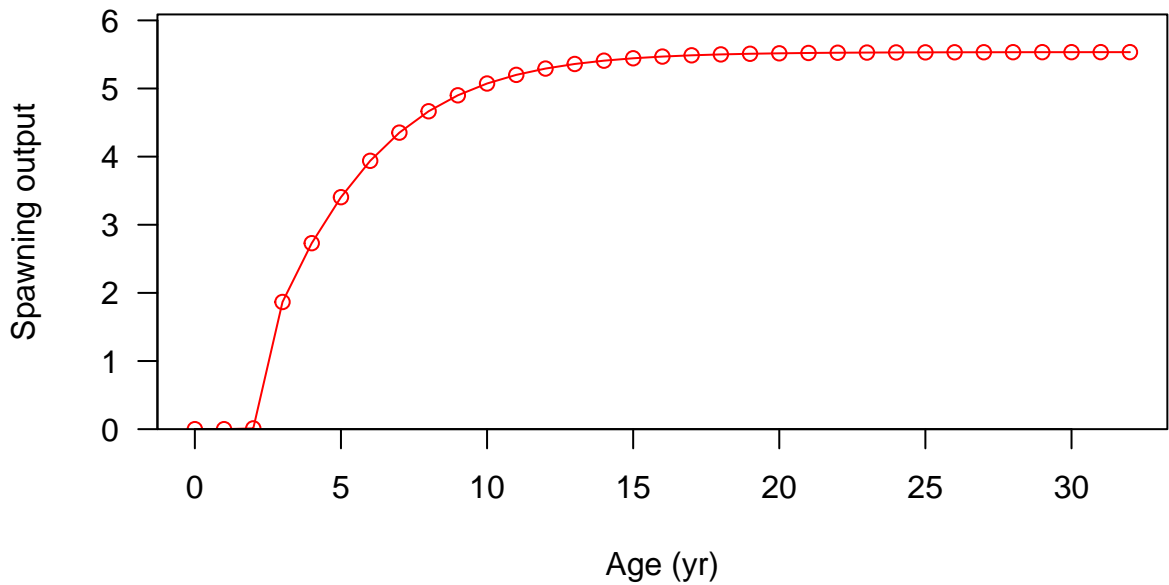


Fecundity

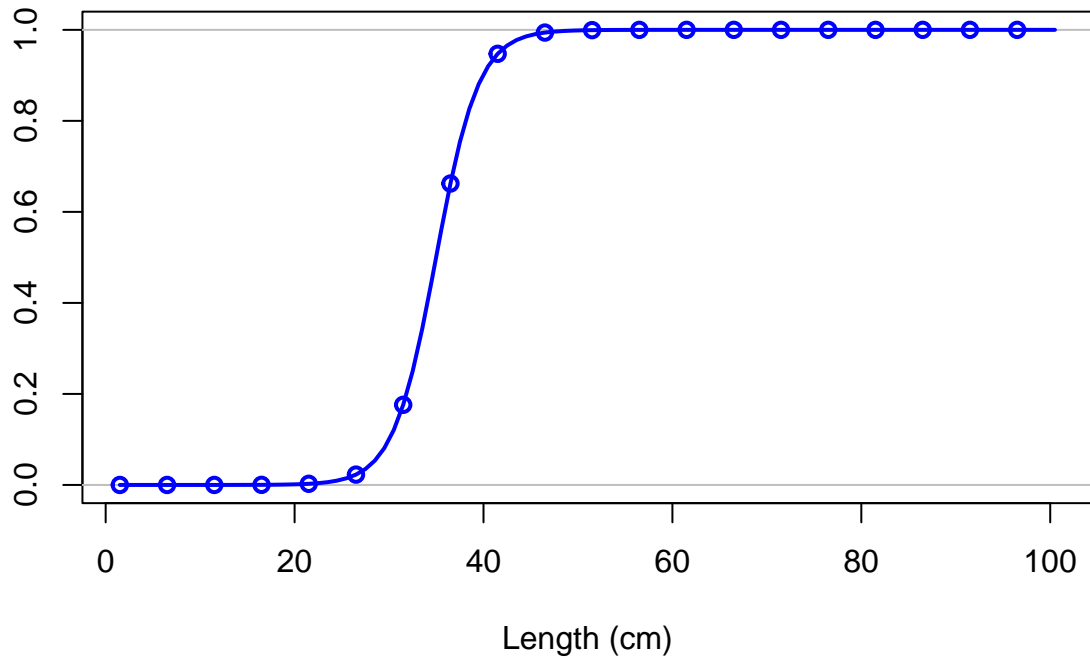


Spawning output

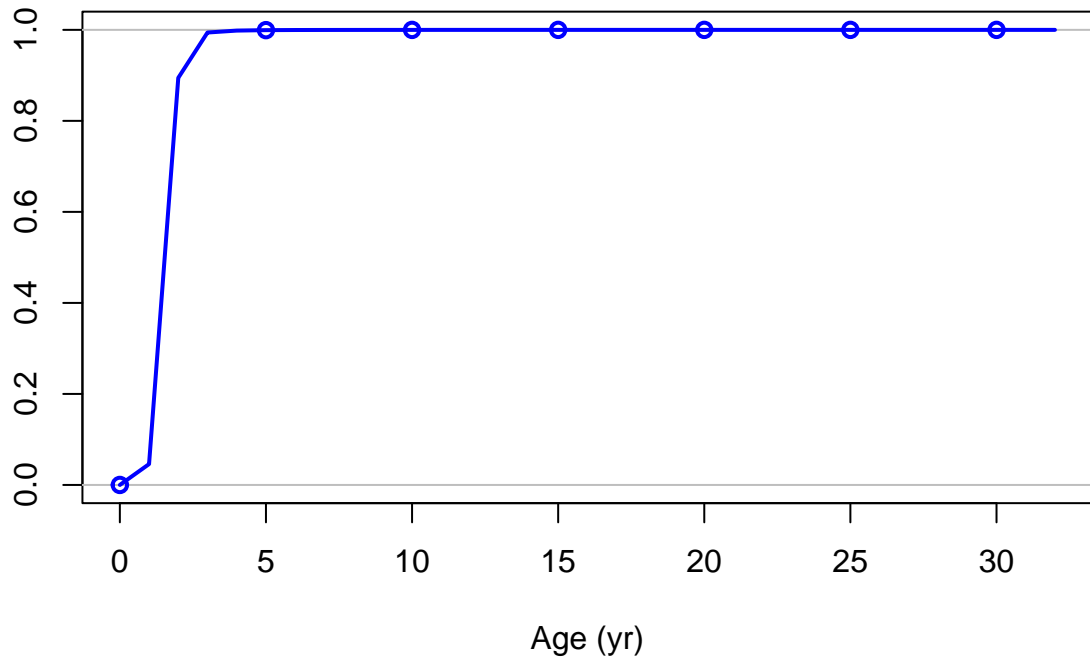




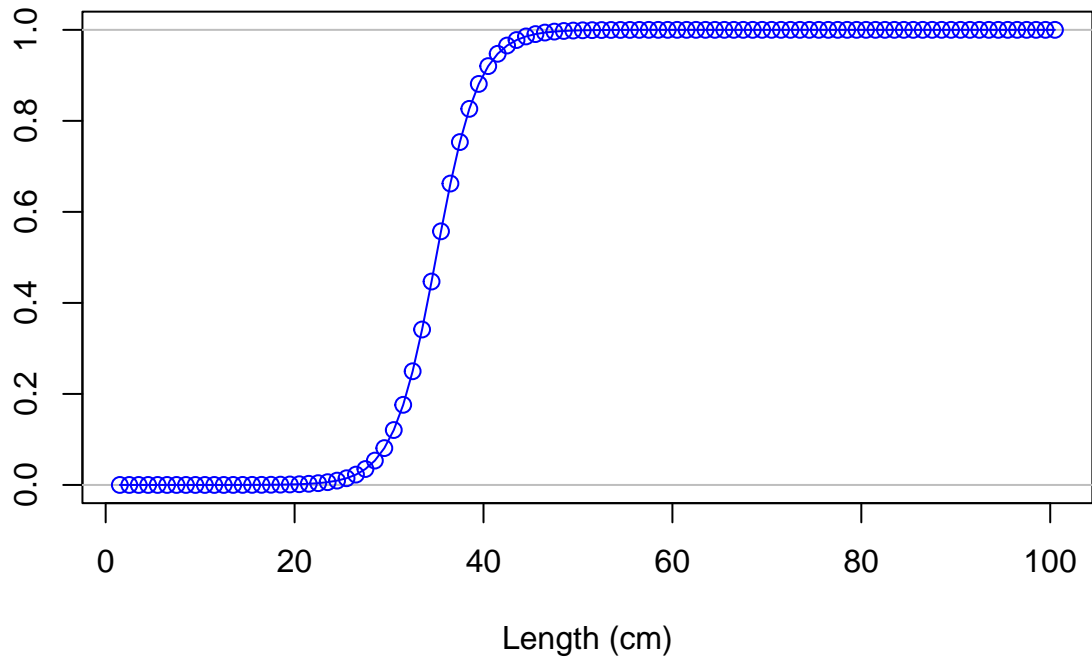
Selectivity



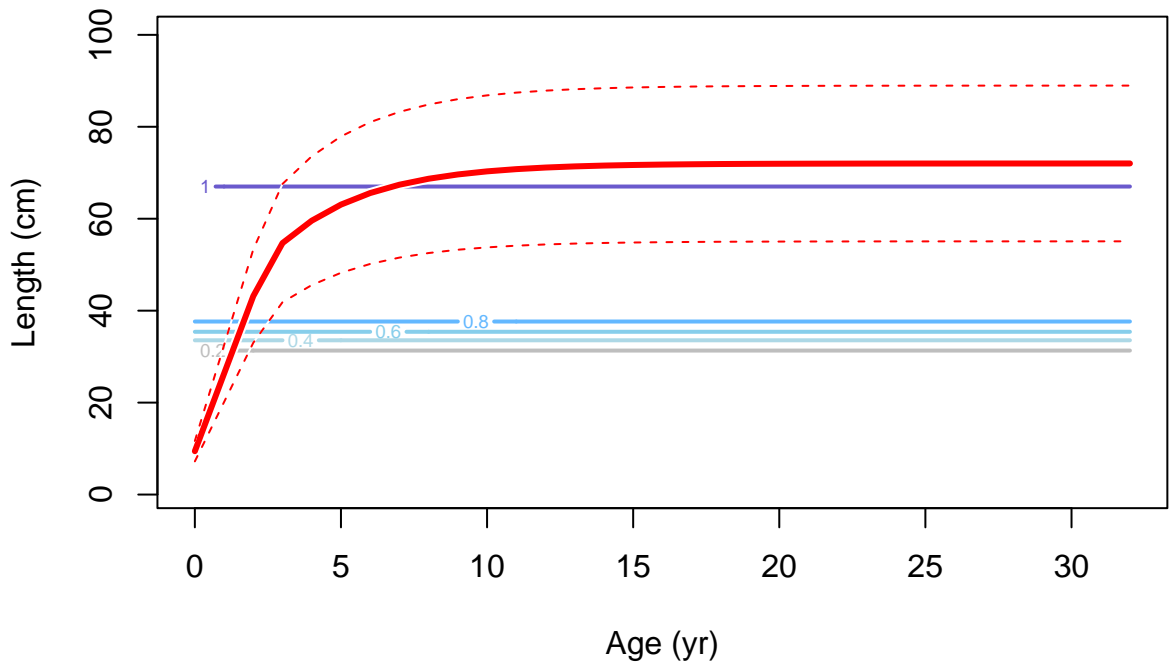
Selectivity

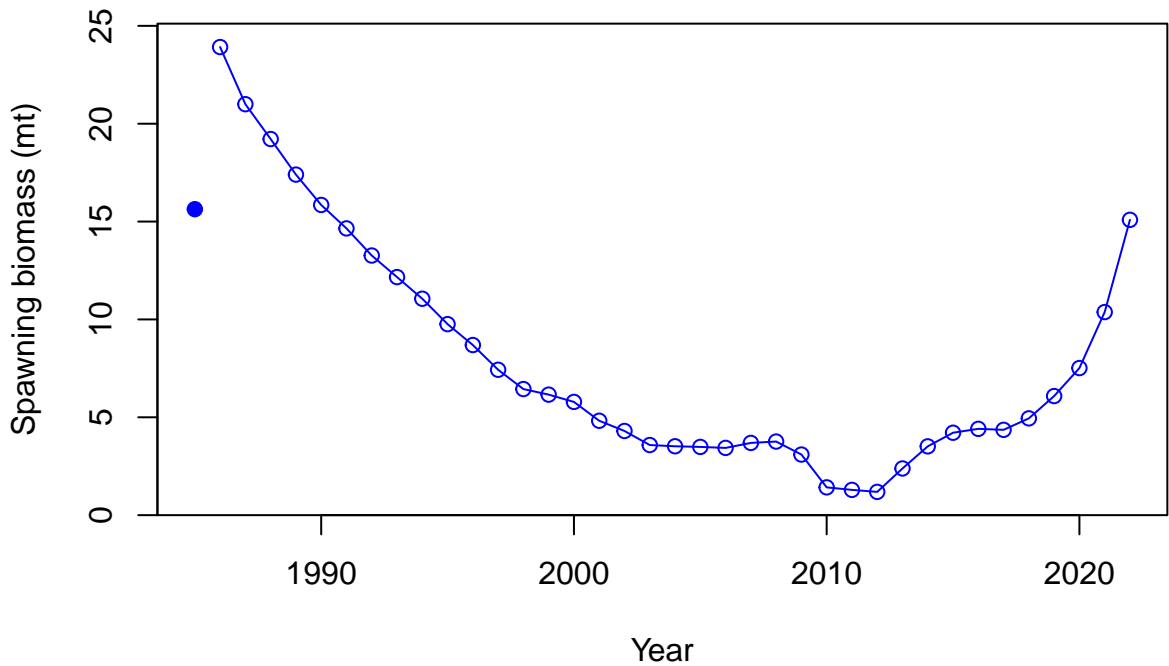


Selectivity

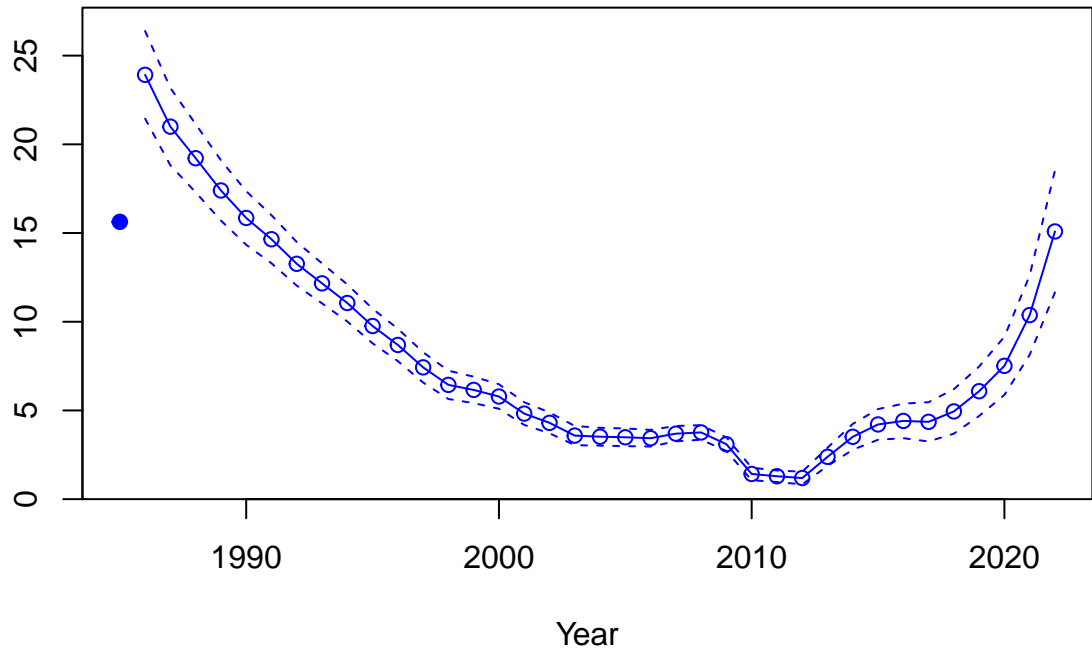




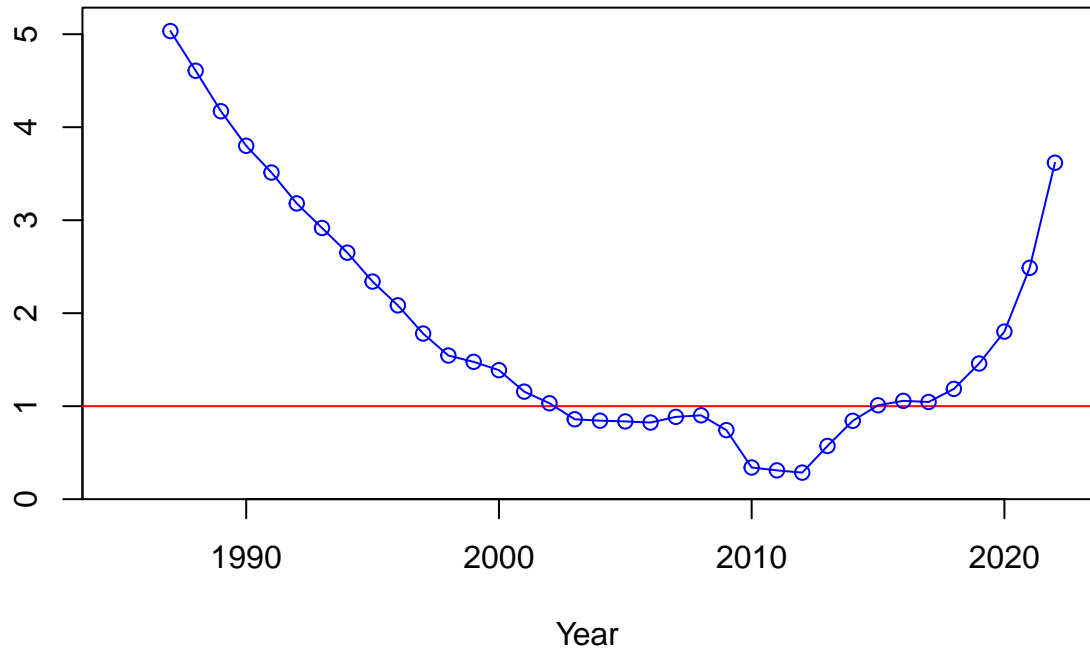




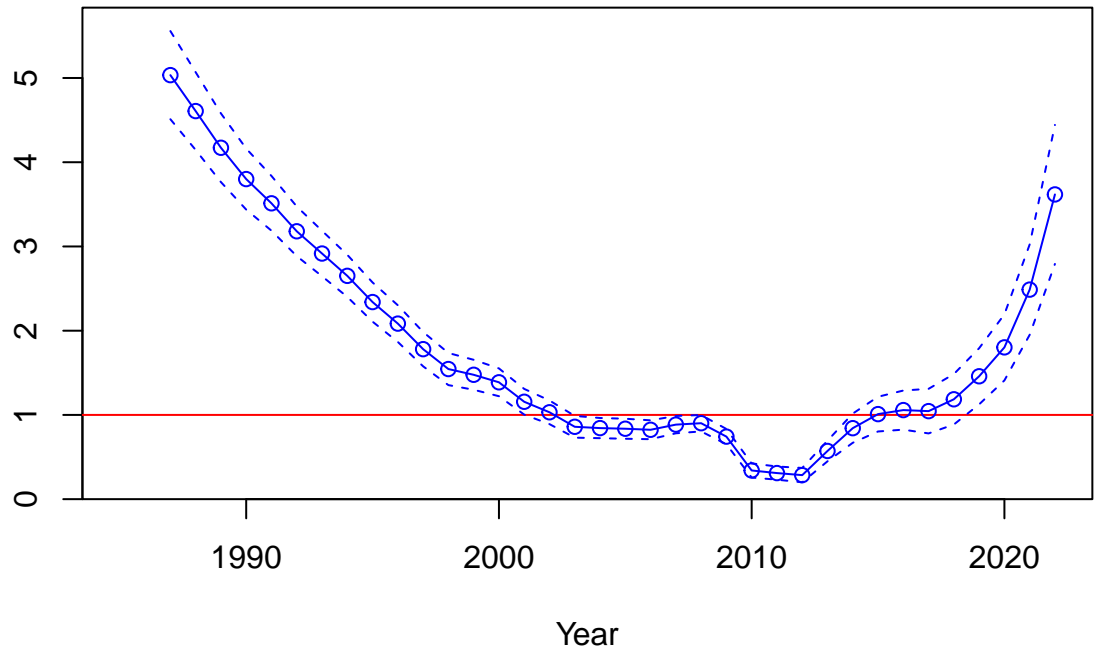
Spawning biomass (mt)

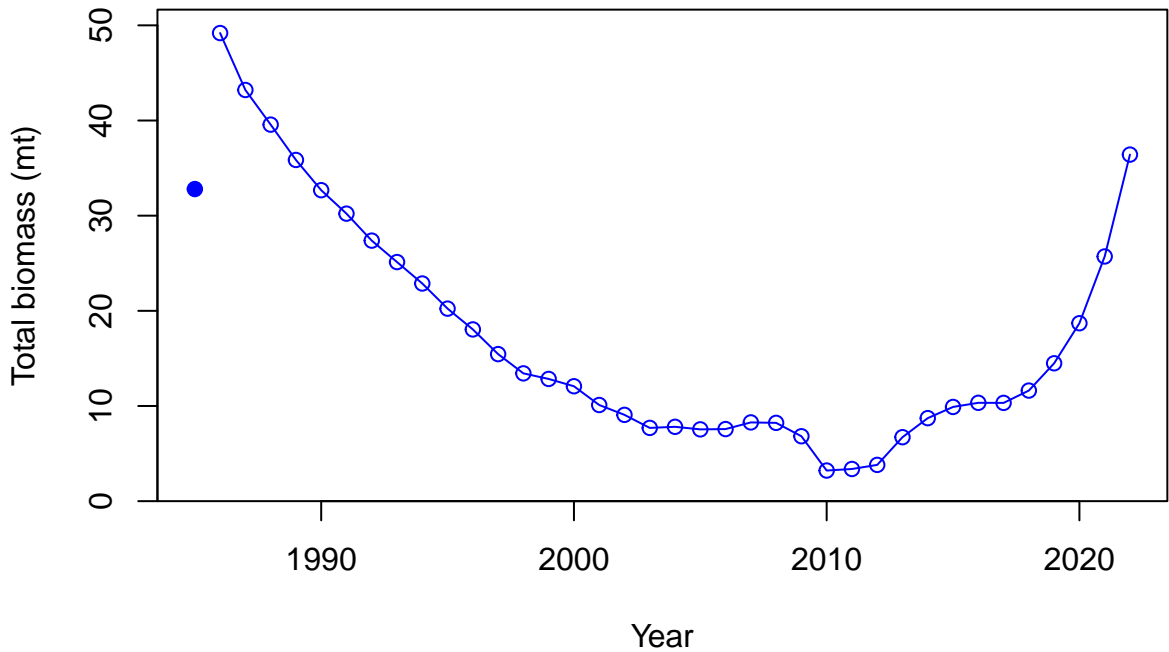


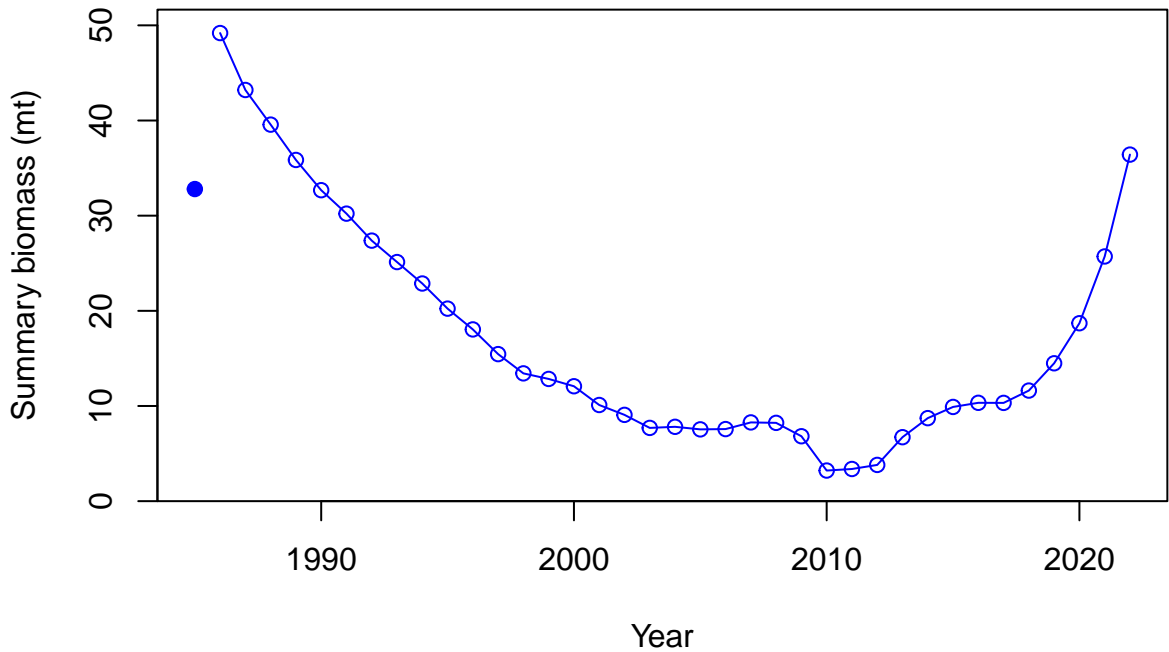
Relative spawning biomass:  $B/B_{MSY}$



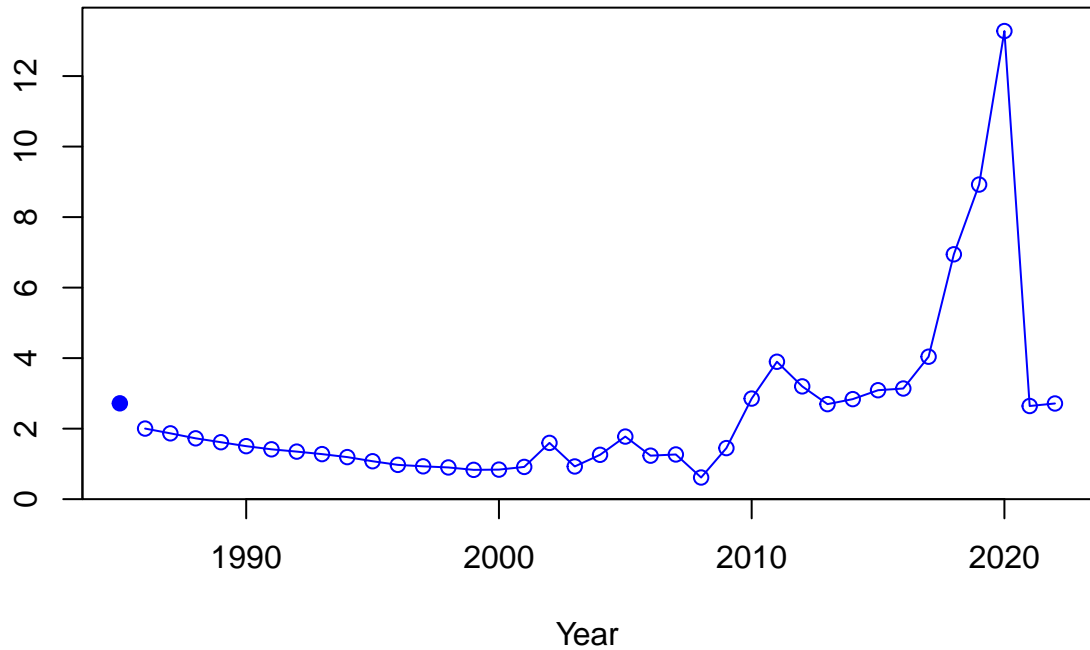
Relative spawning biomass:  $B/B_{MSY}$



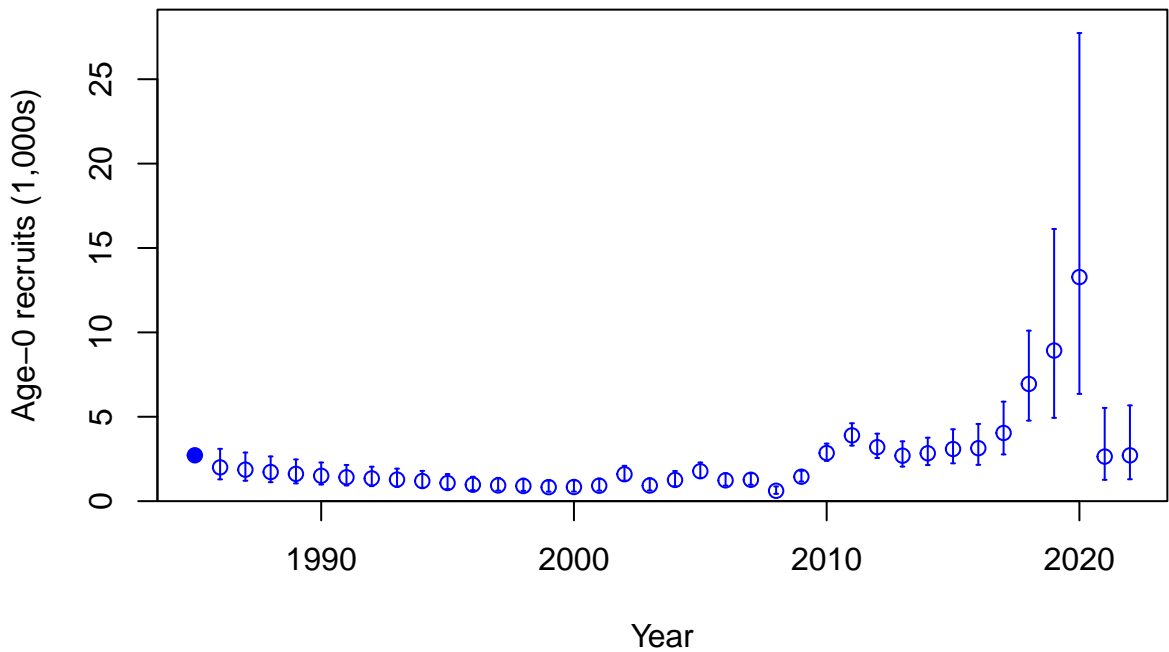




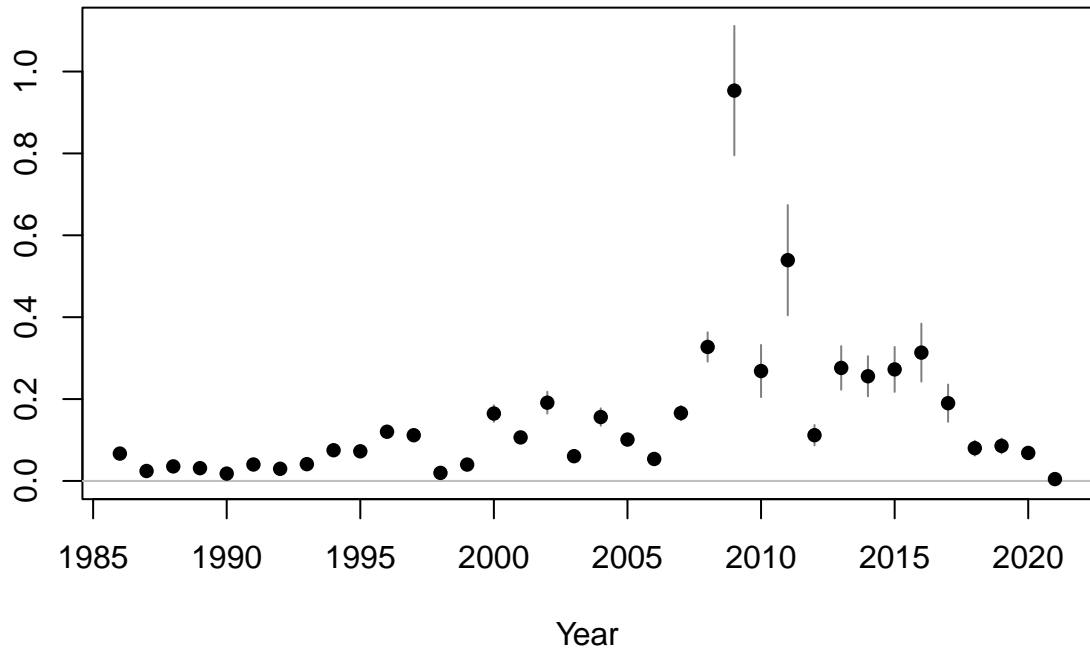
Age-0 recruits (1,000s)

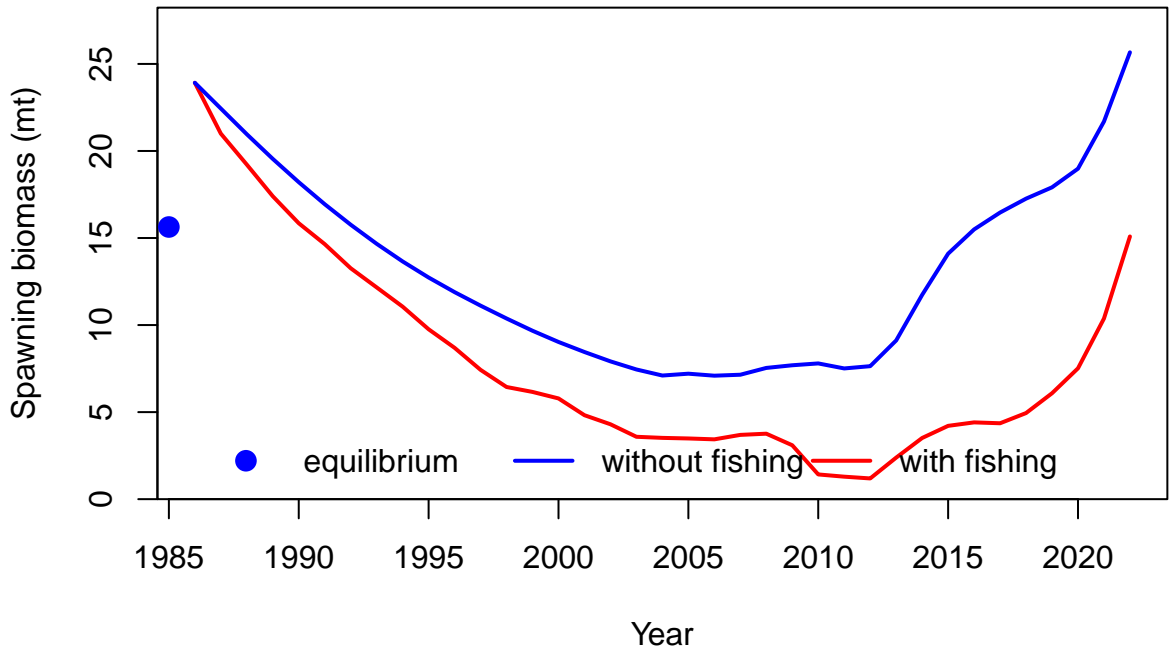




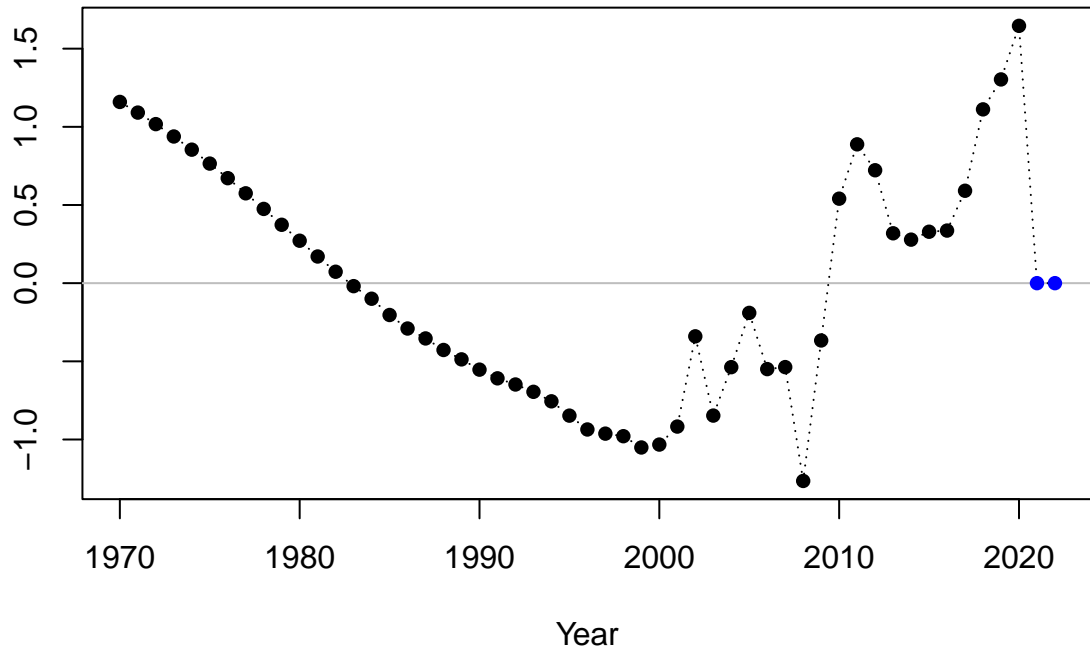


Summary Fishing Mortality



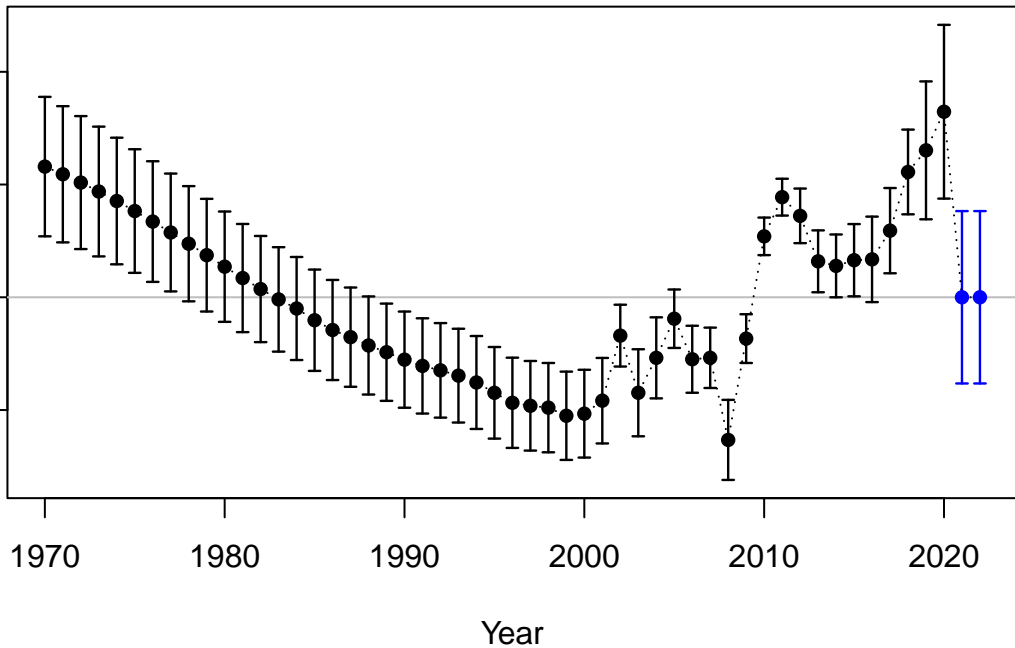


Log recruitment deviation



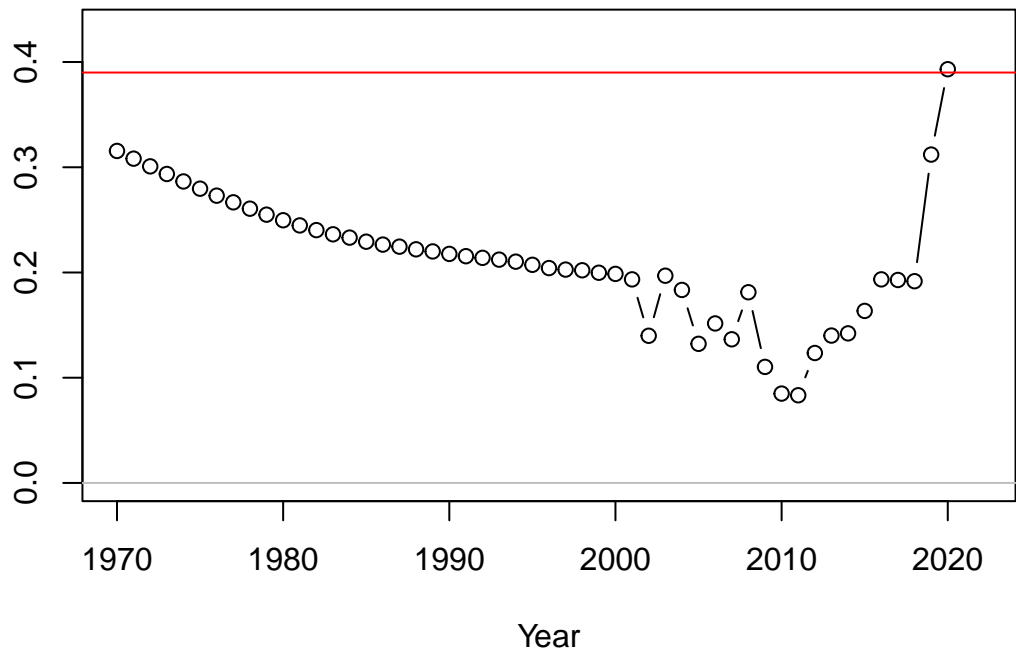
Log recruitment deviation

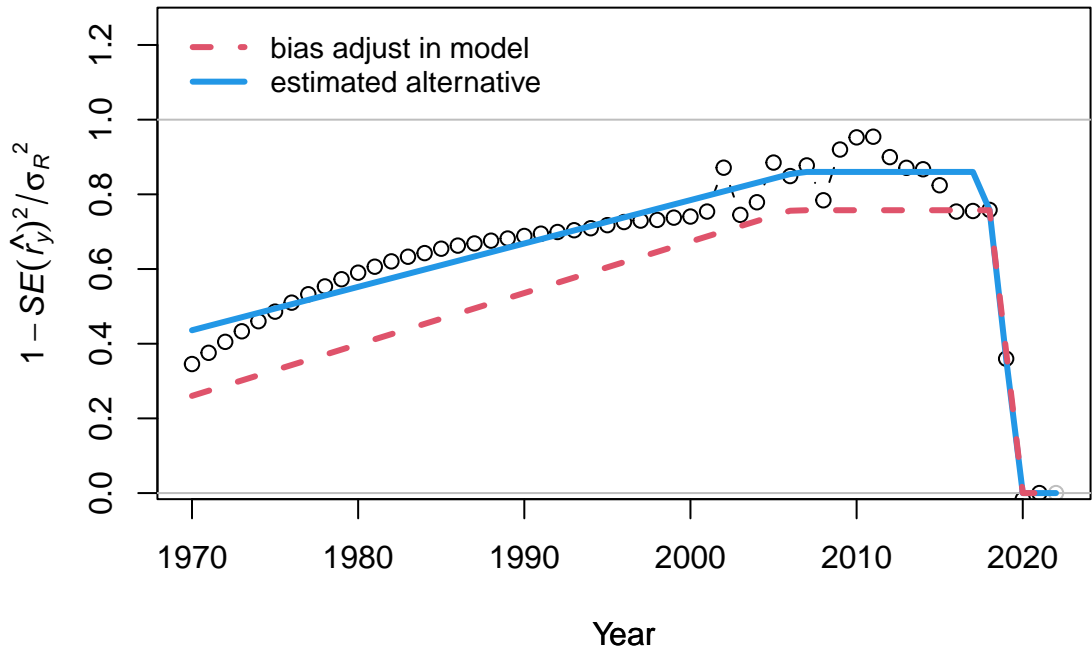
2  
1  
0  
-1

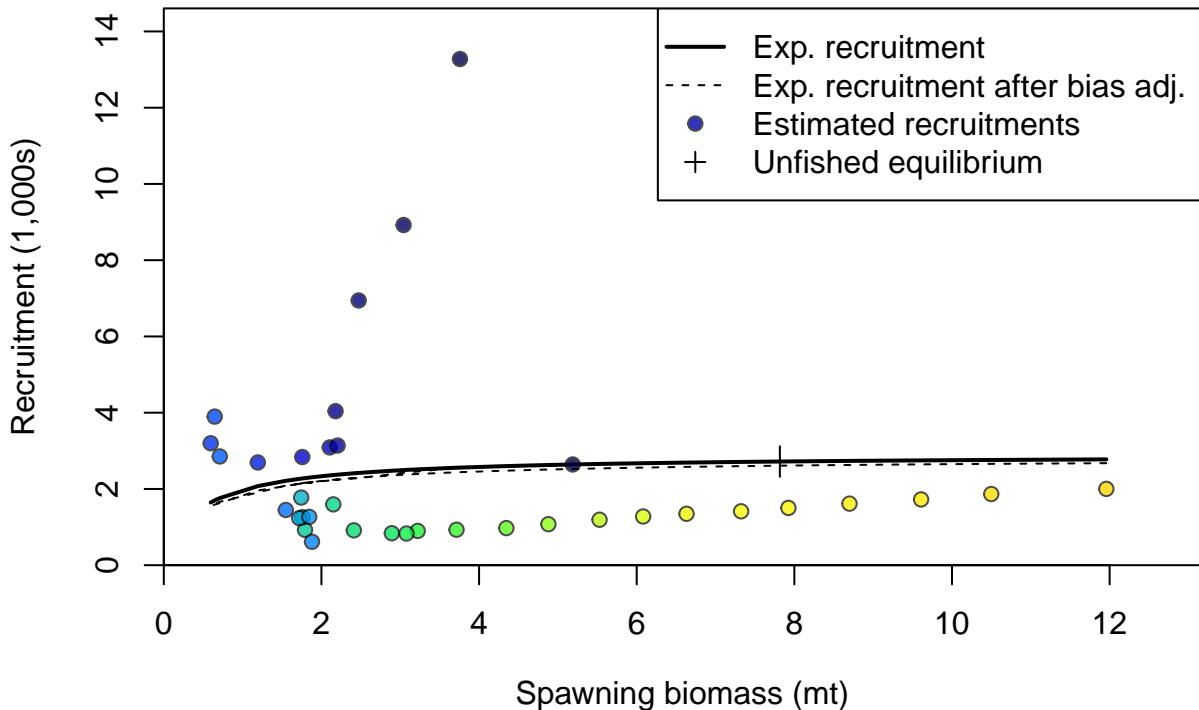


## Recruitment deviation variance

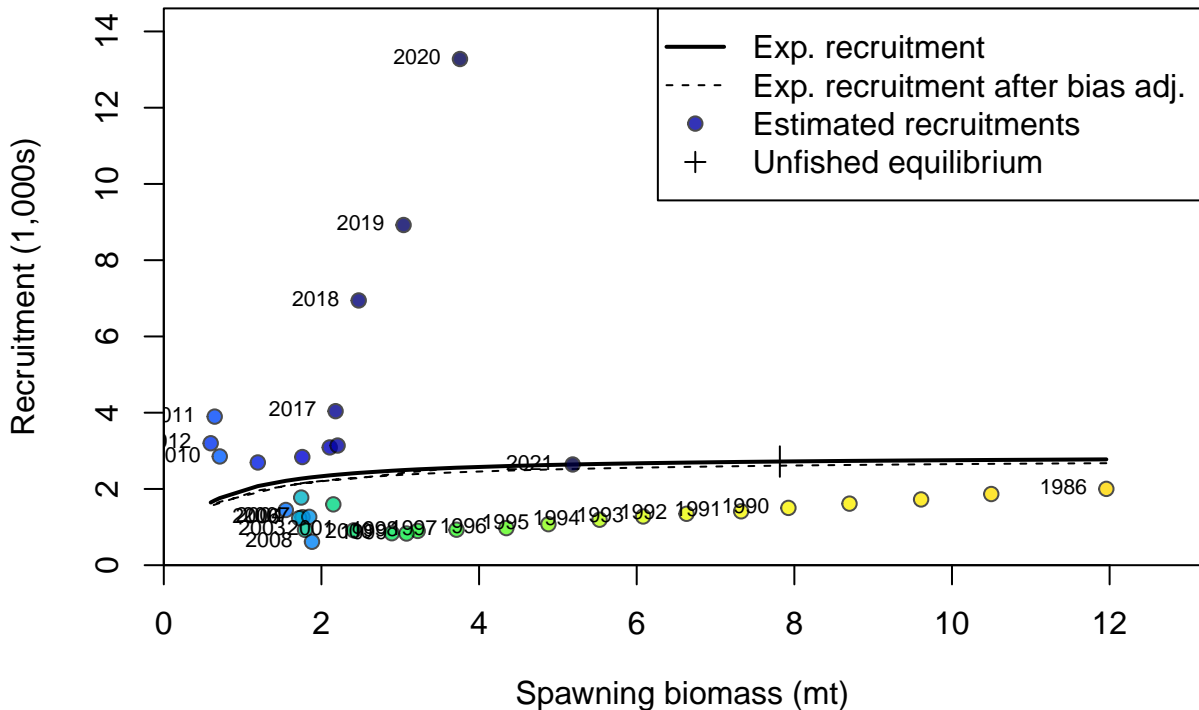
Asymptotic standard error estimate



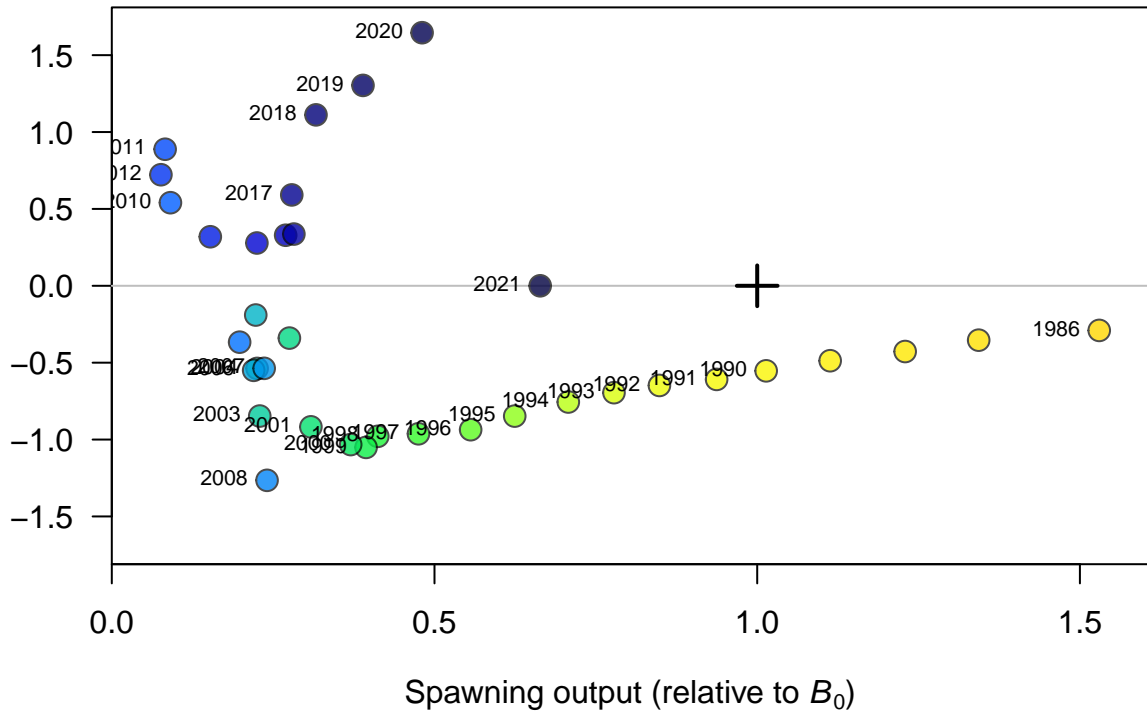


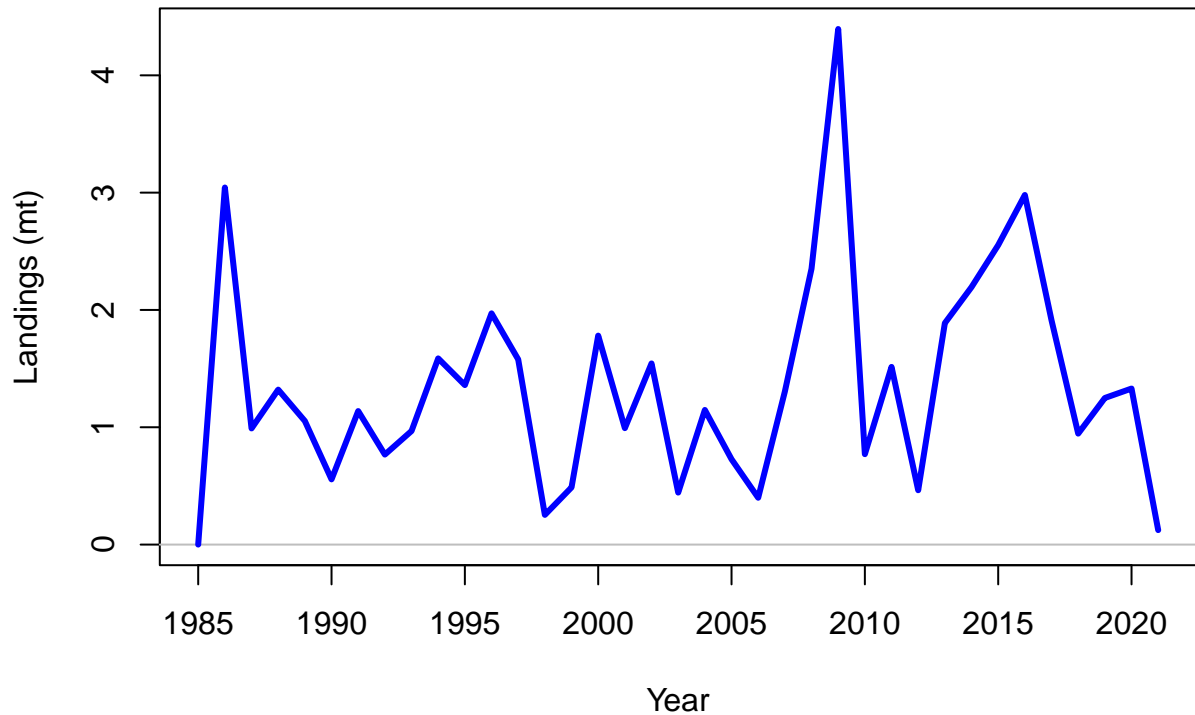


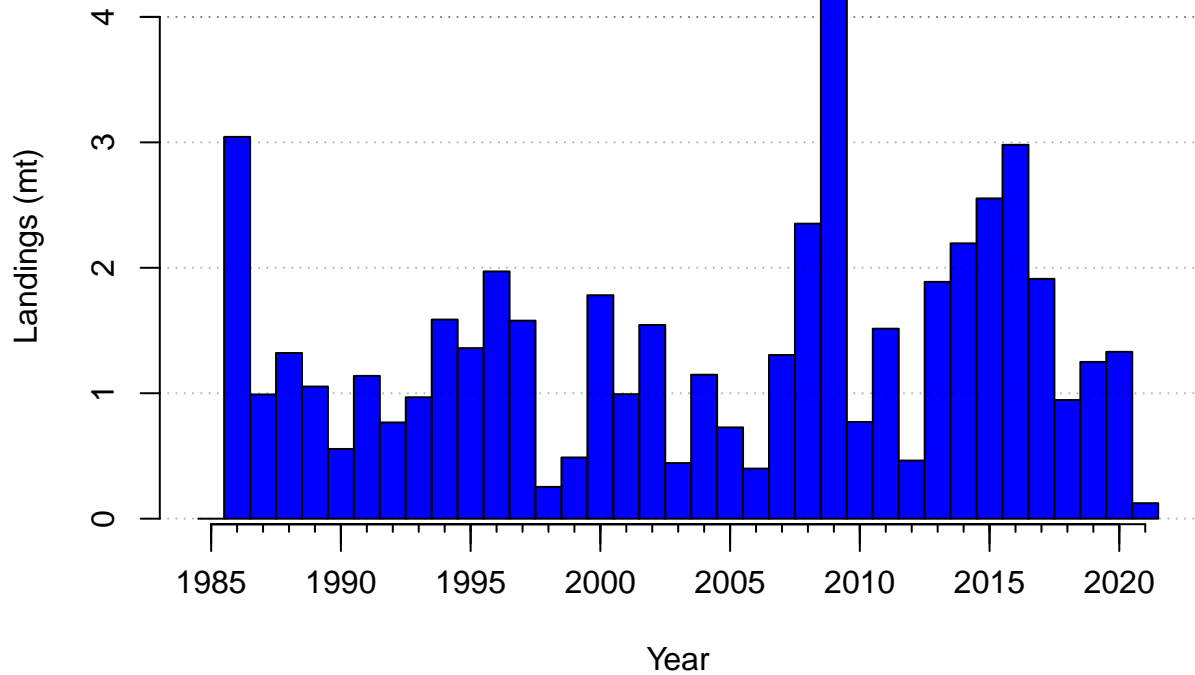


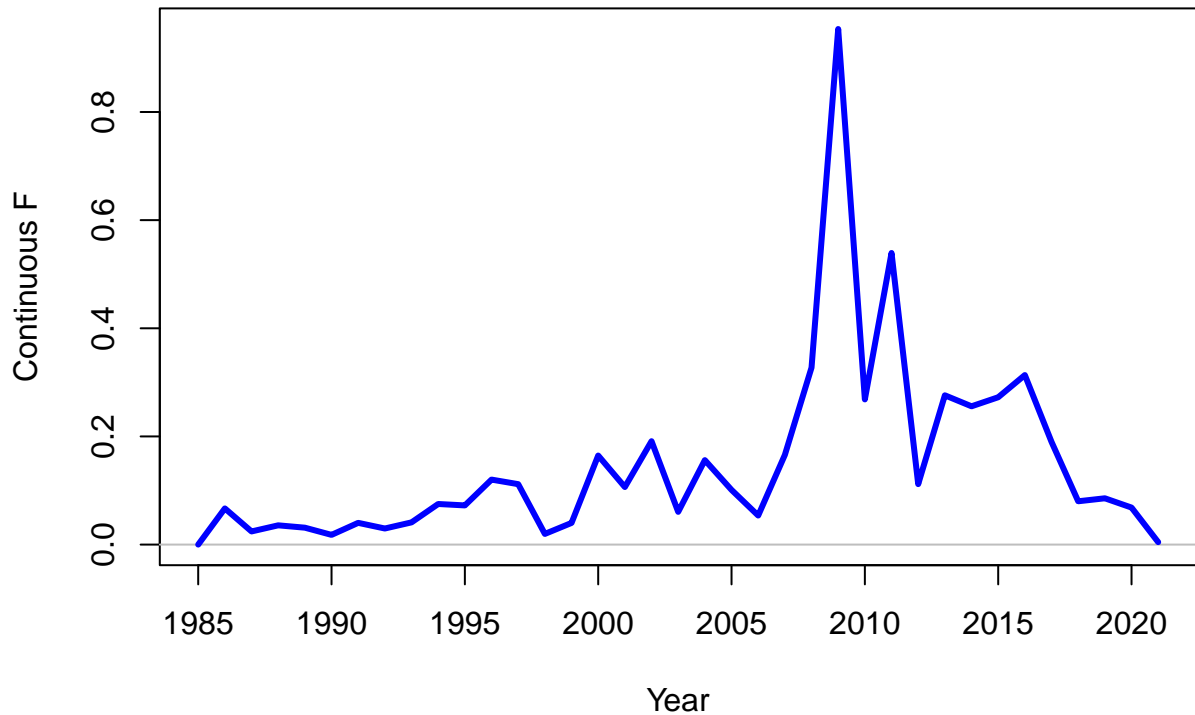


Log recruitment deviation

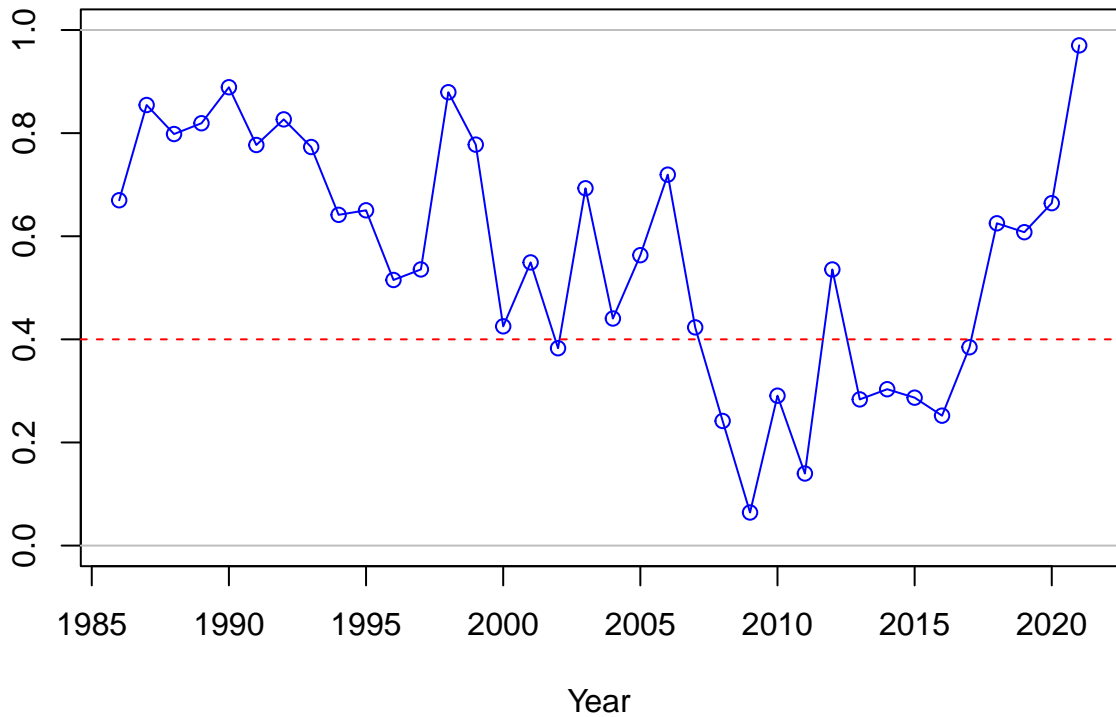




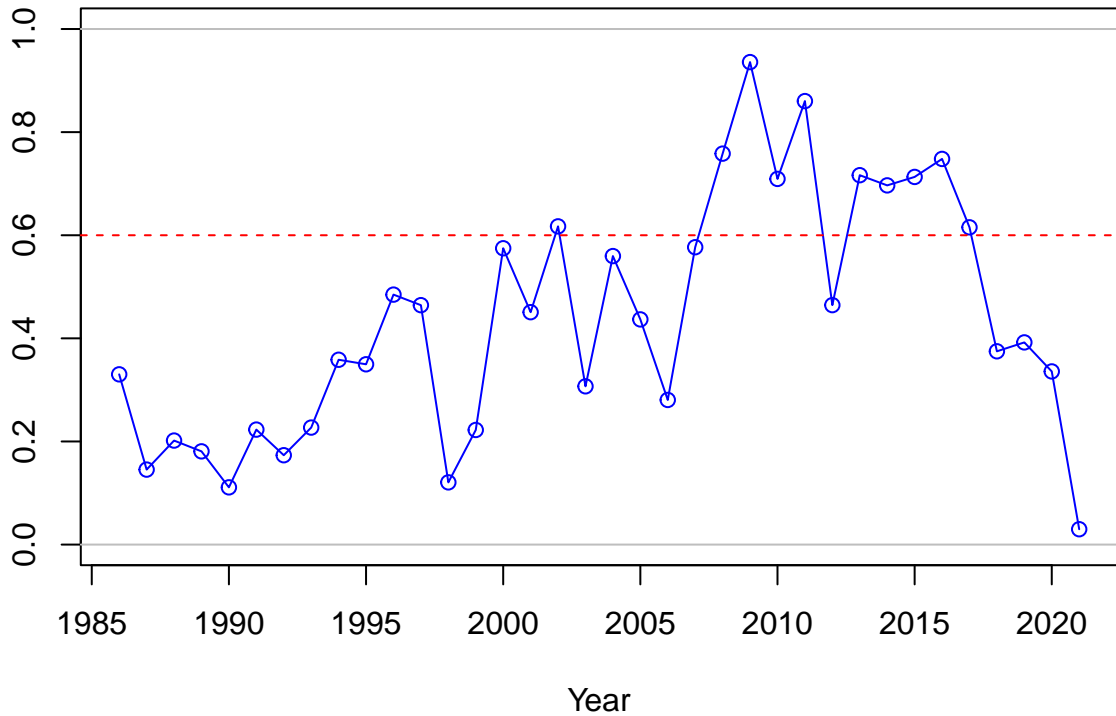




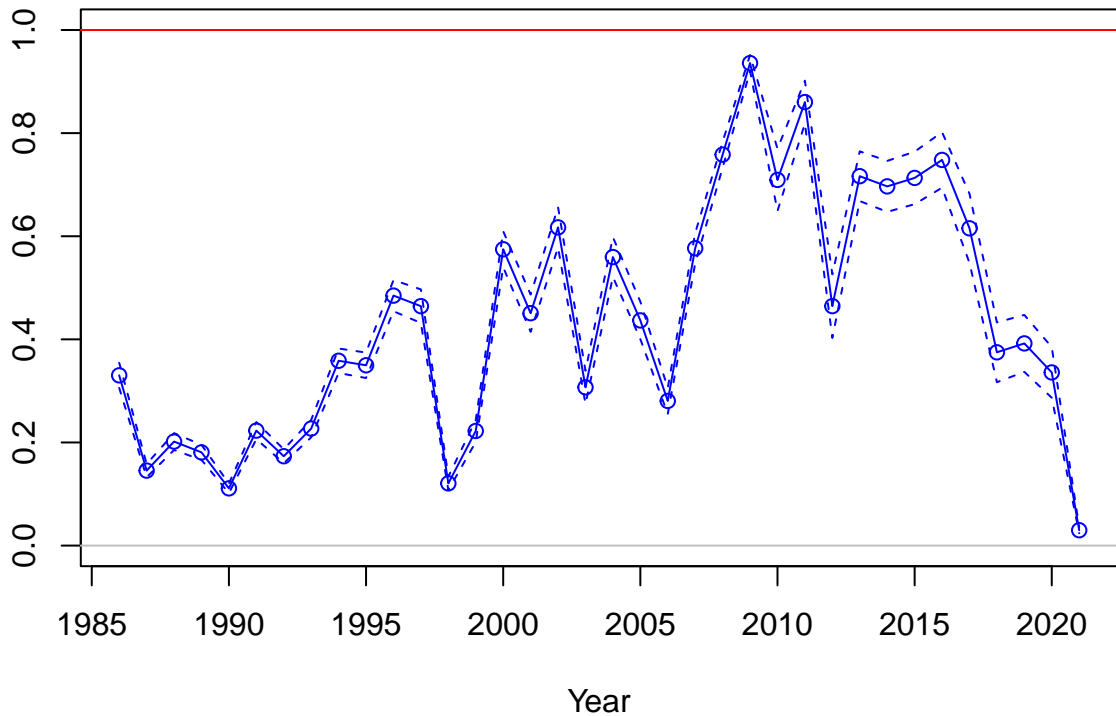
SPR



1-SPR

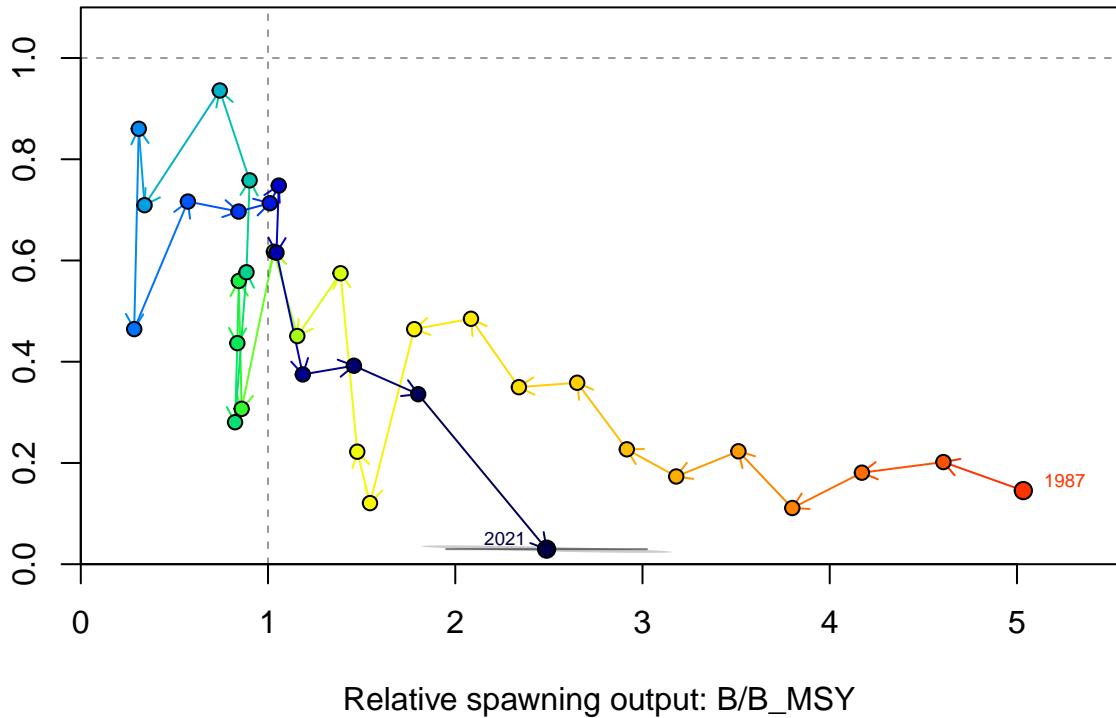


Fishing intensity: 1-SPR

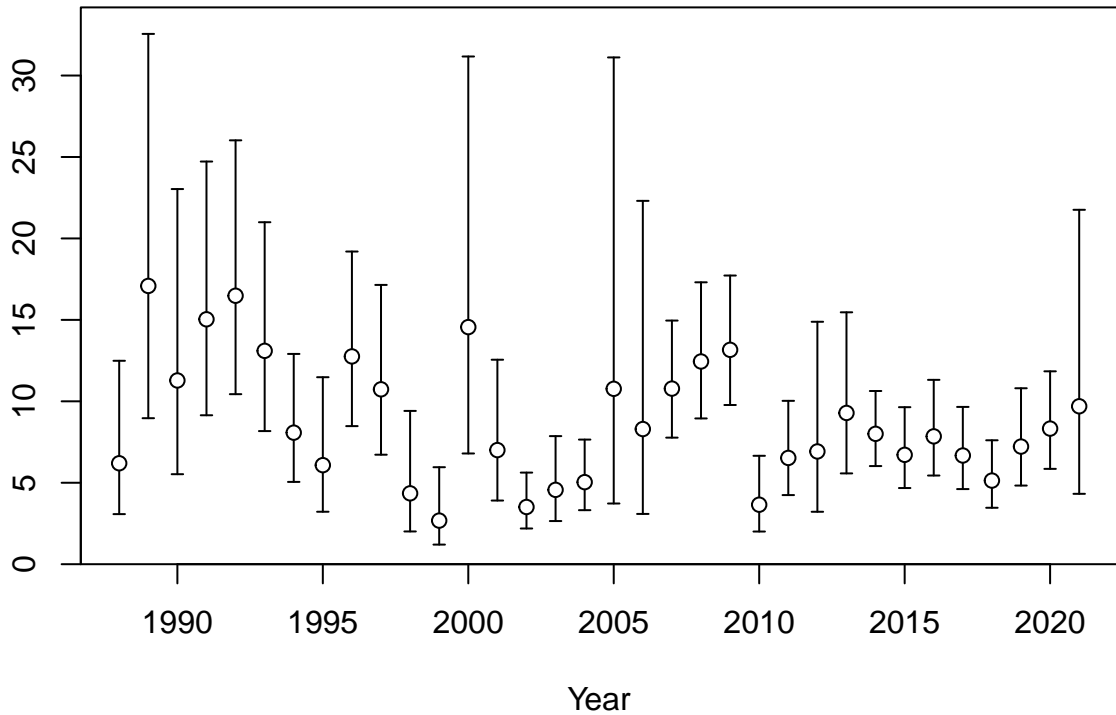




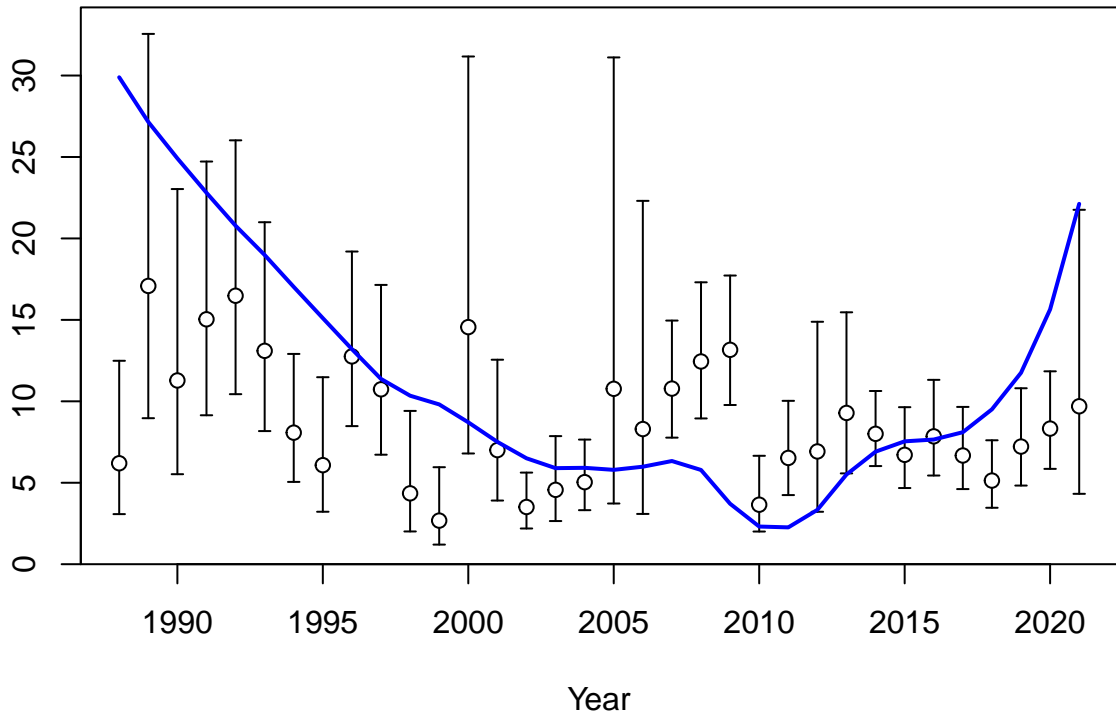
Fishing intensity: 1-SPR

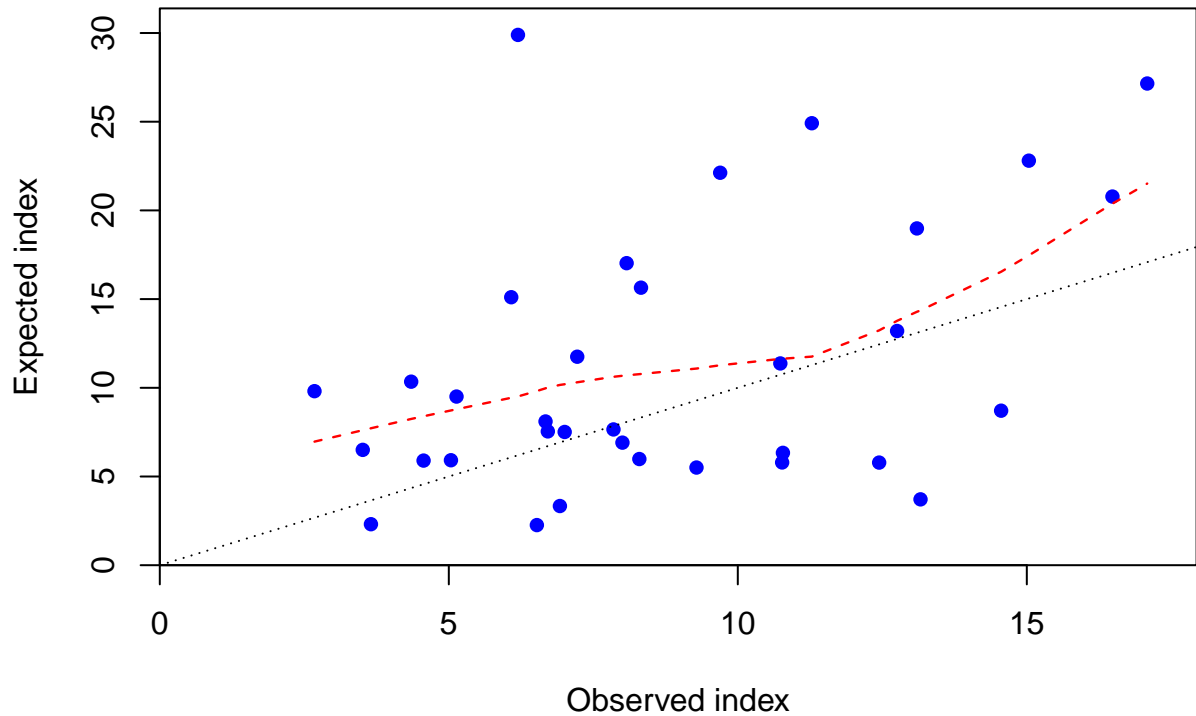


Index

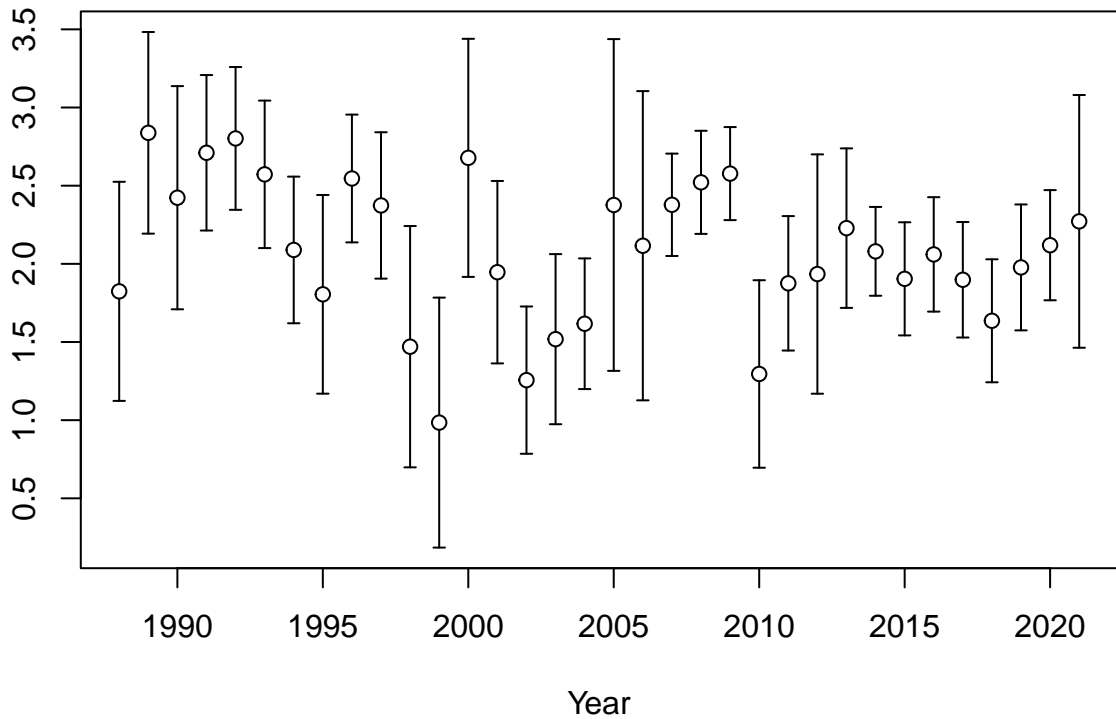


Index

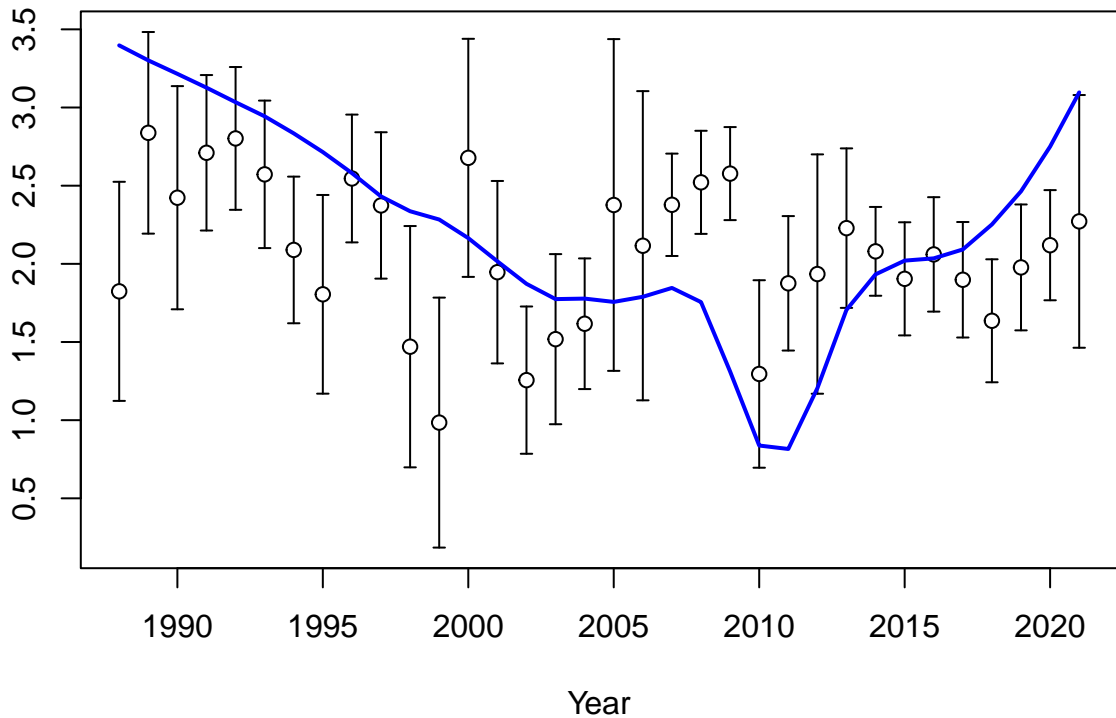


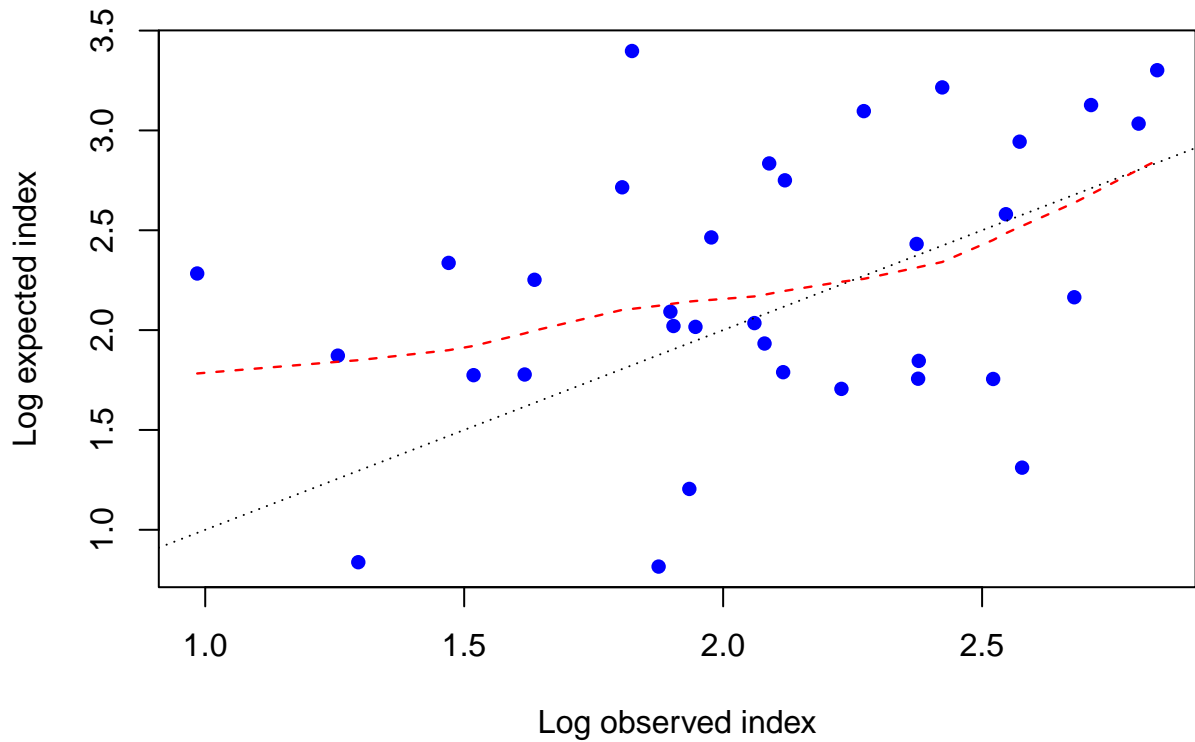


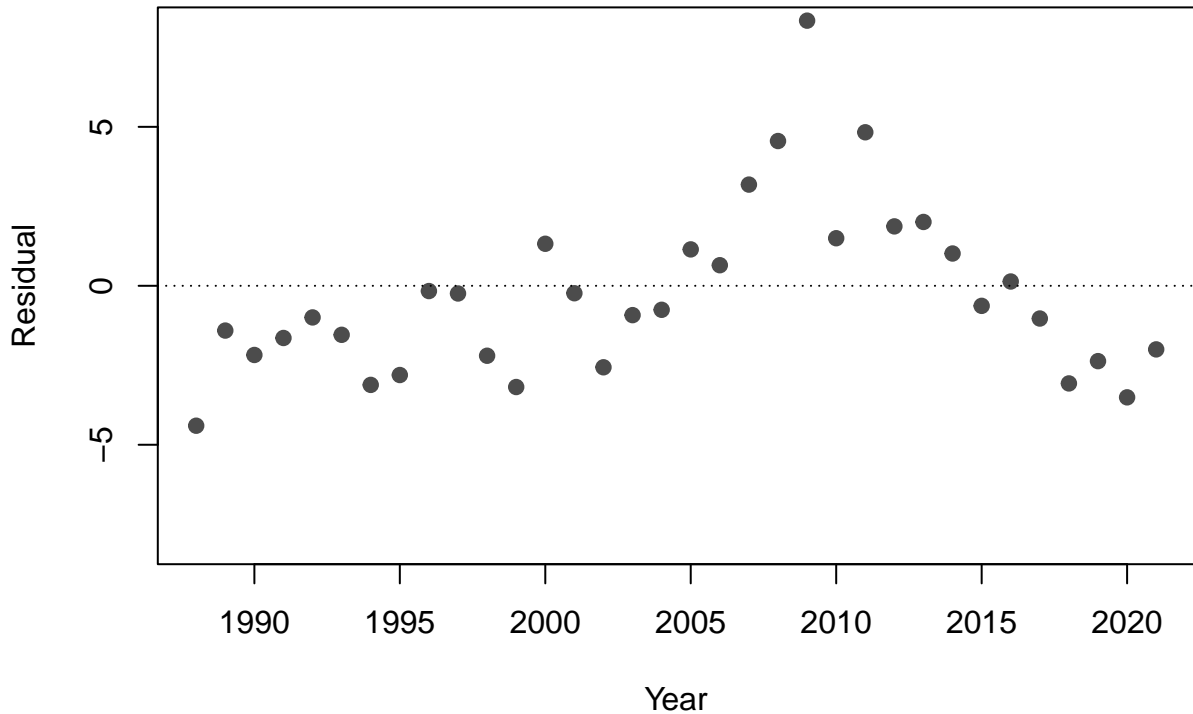
Log index



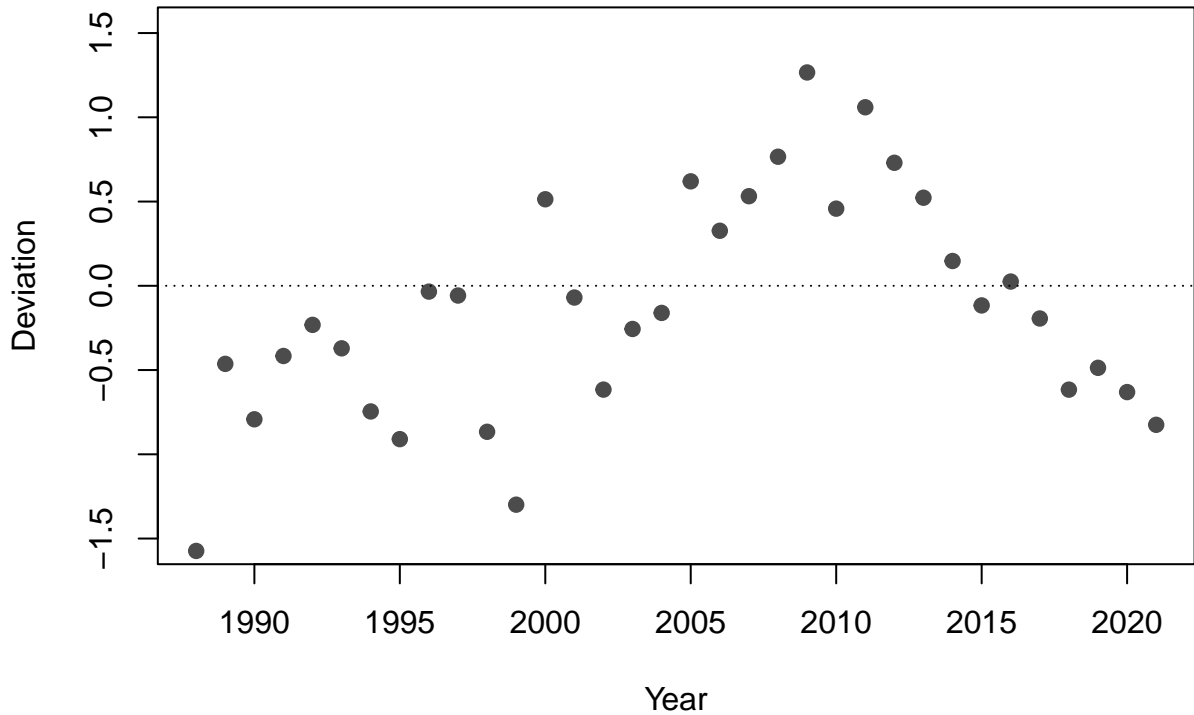
Log index



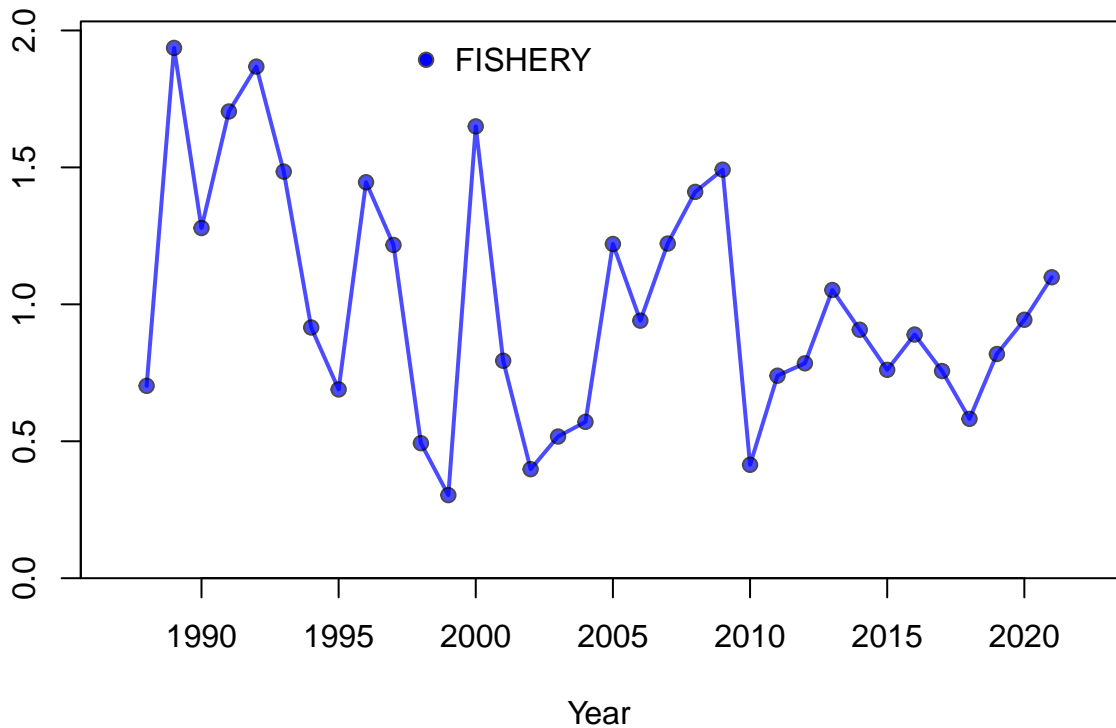




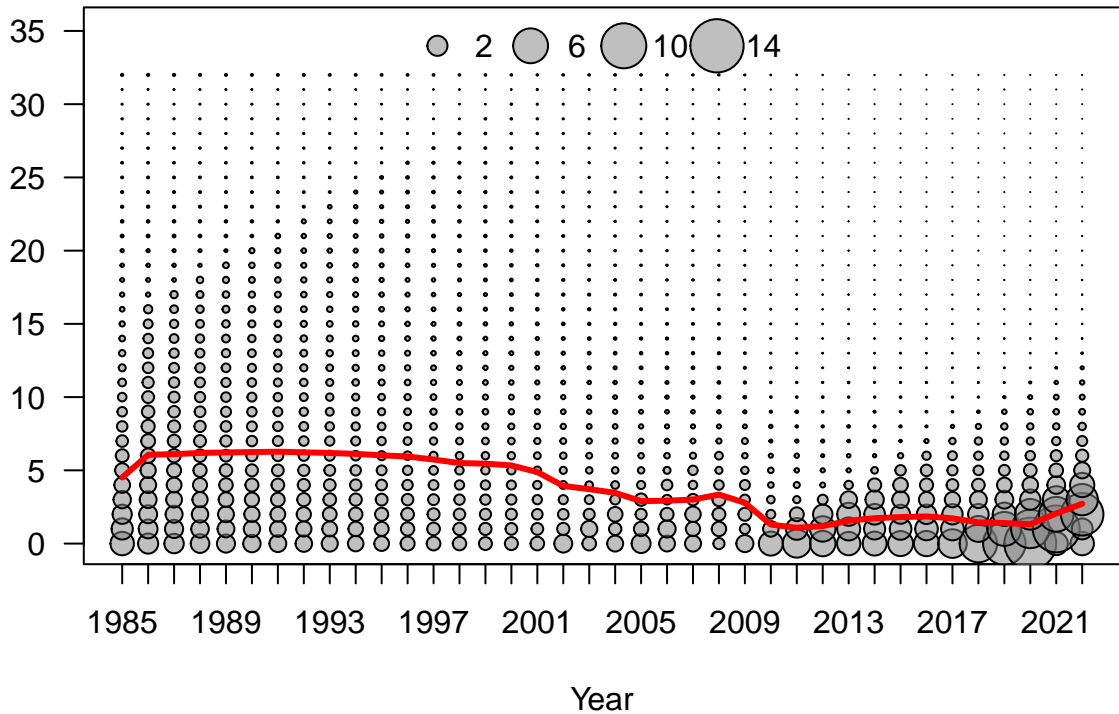




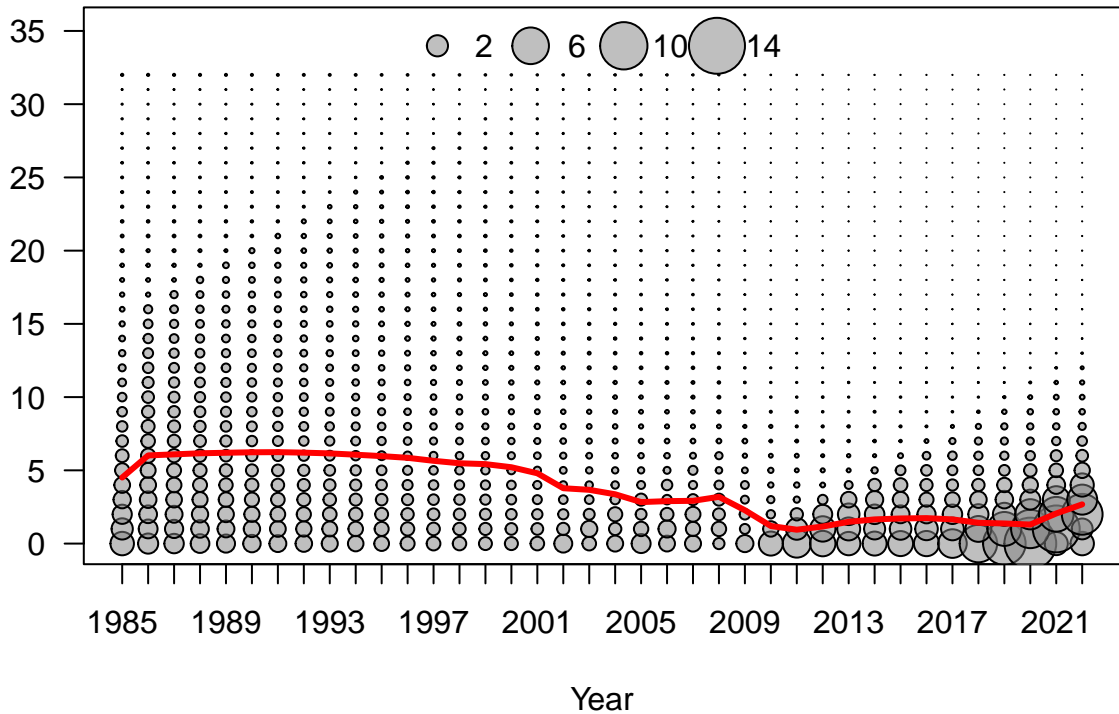
Standardized index

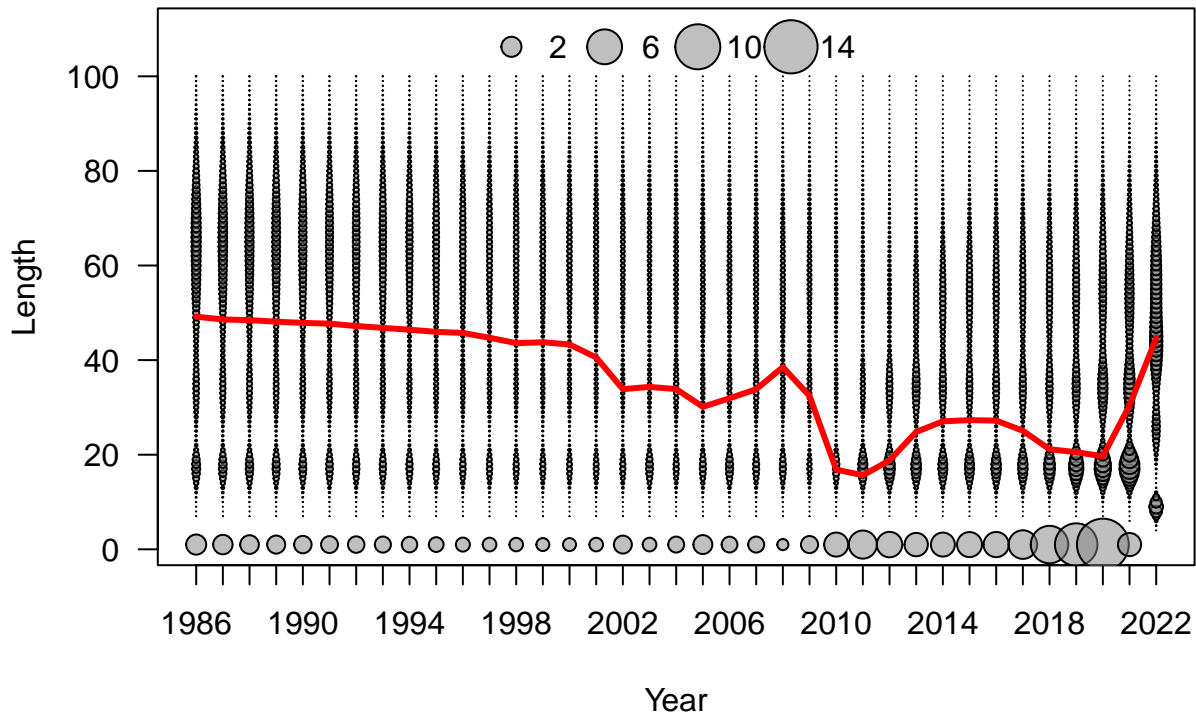


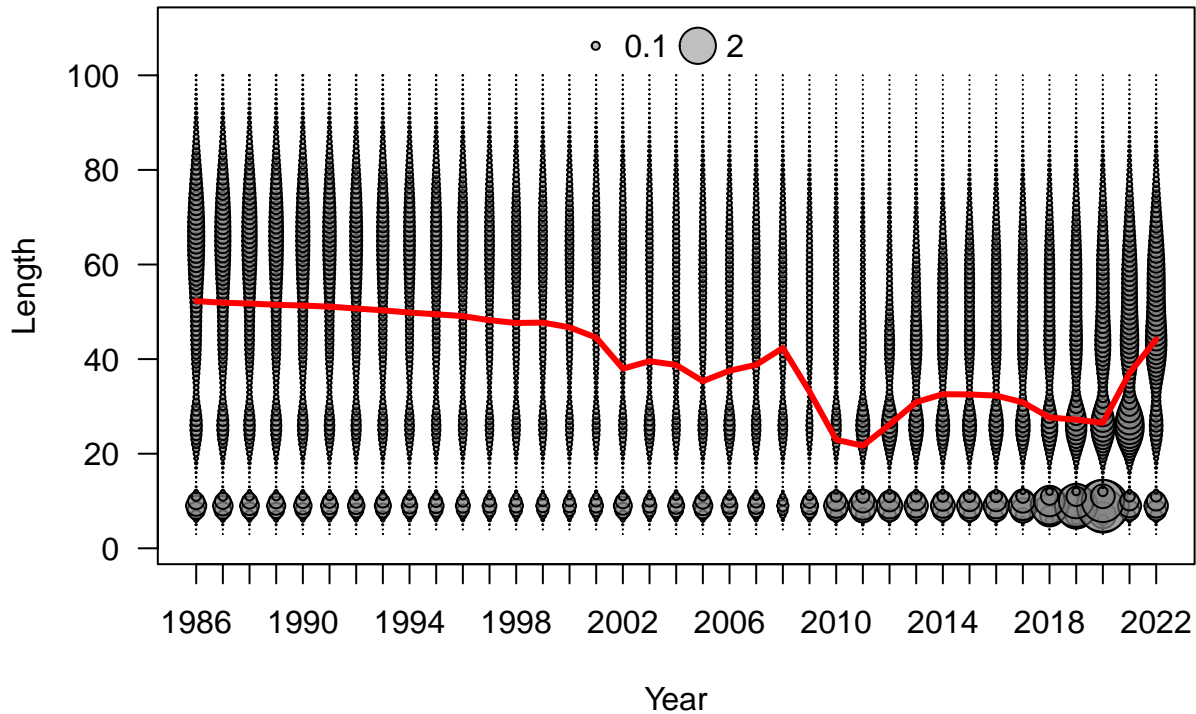
Age

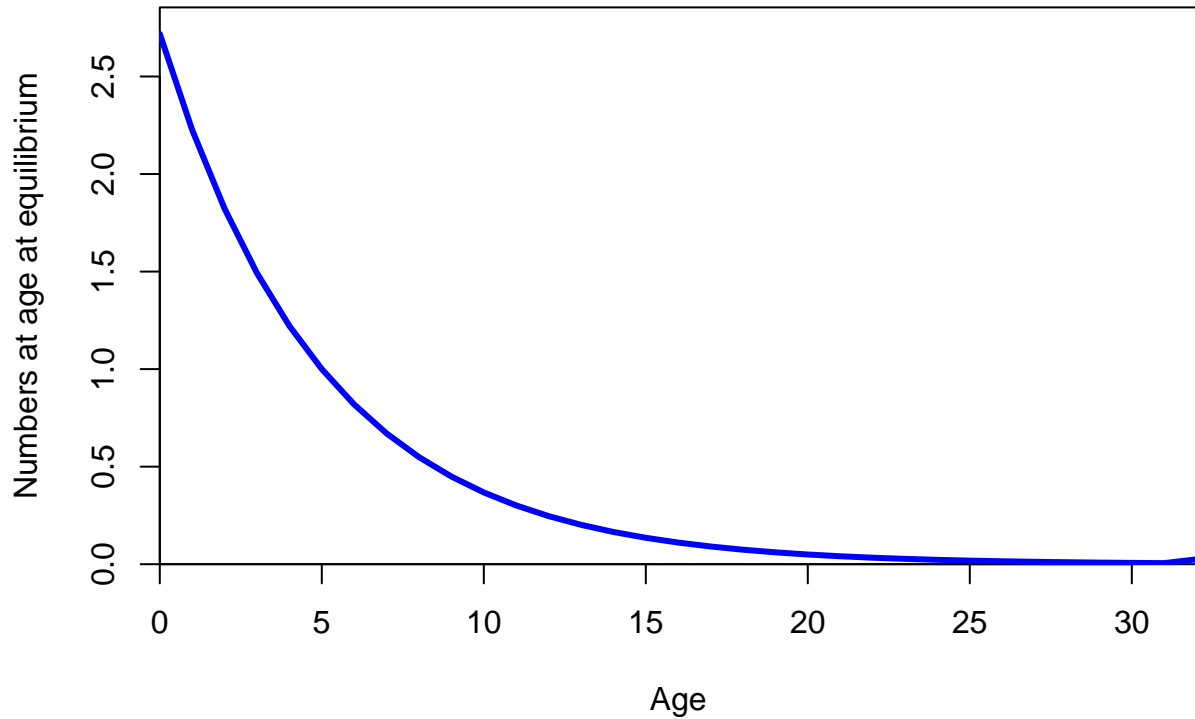


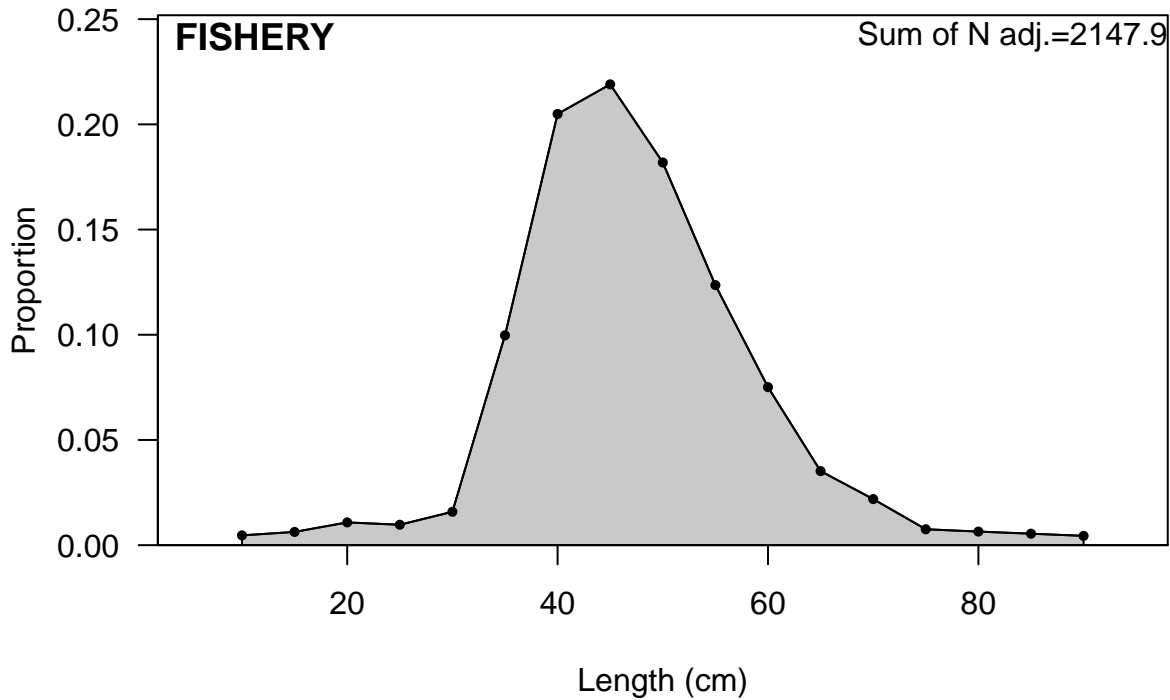
Age







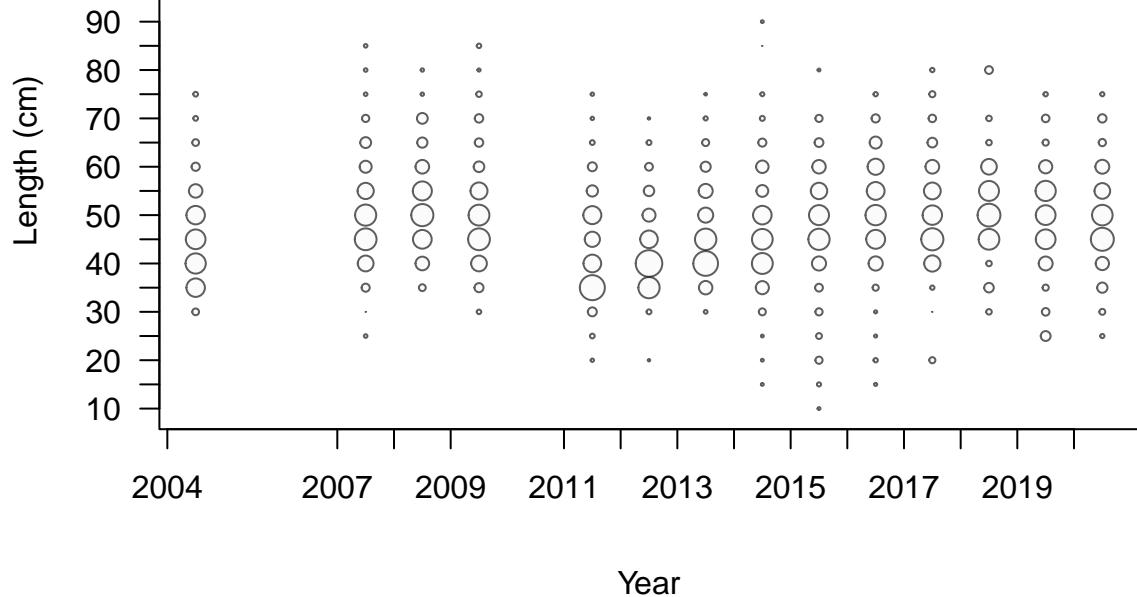




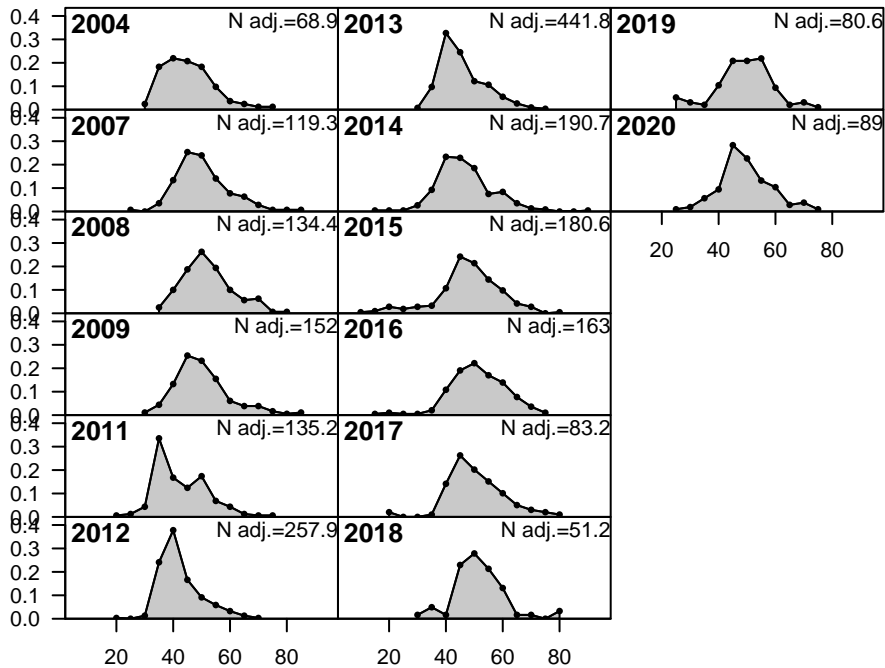


# FISHERY

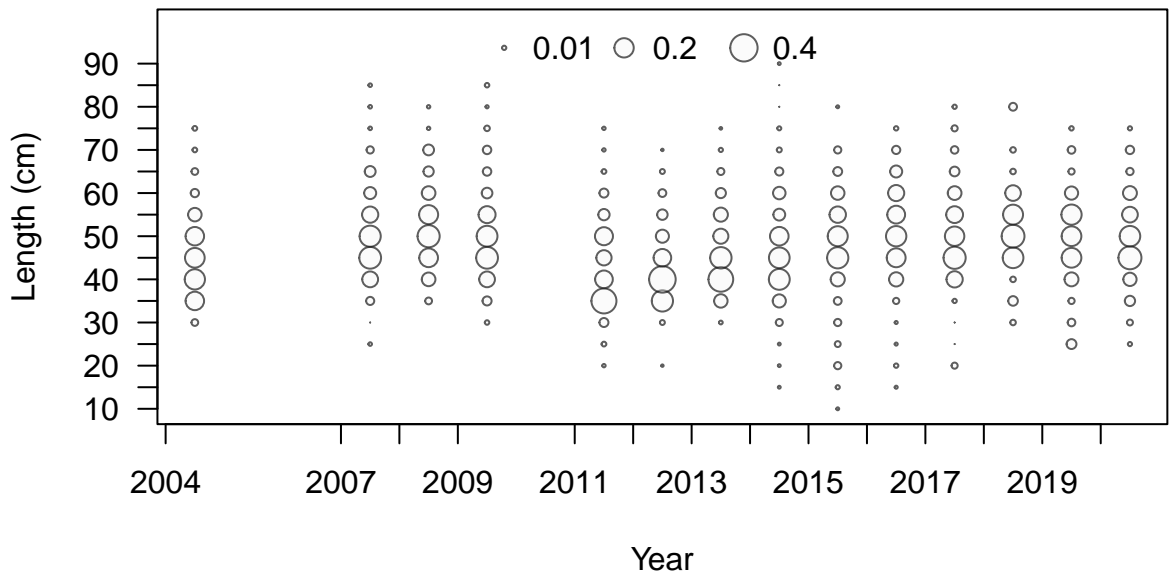
• 0.01 ○ 0.2 ○ 0.4



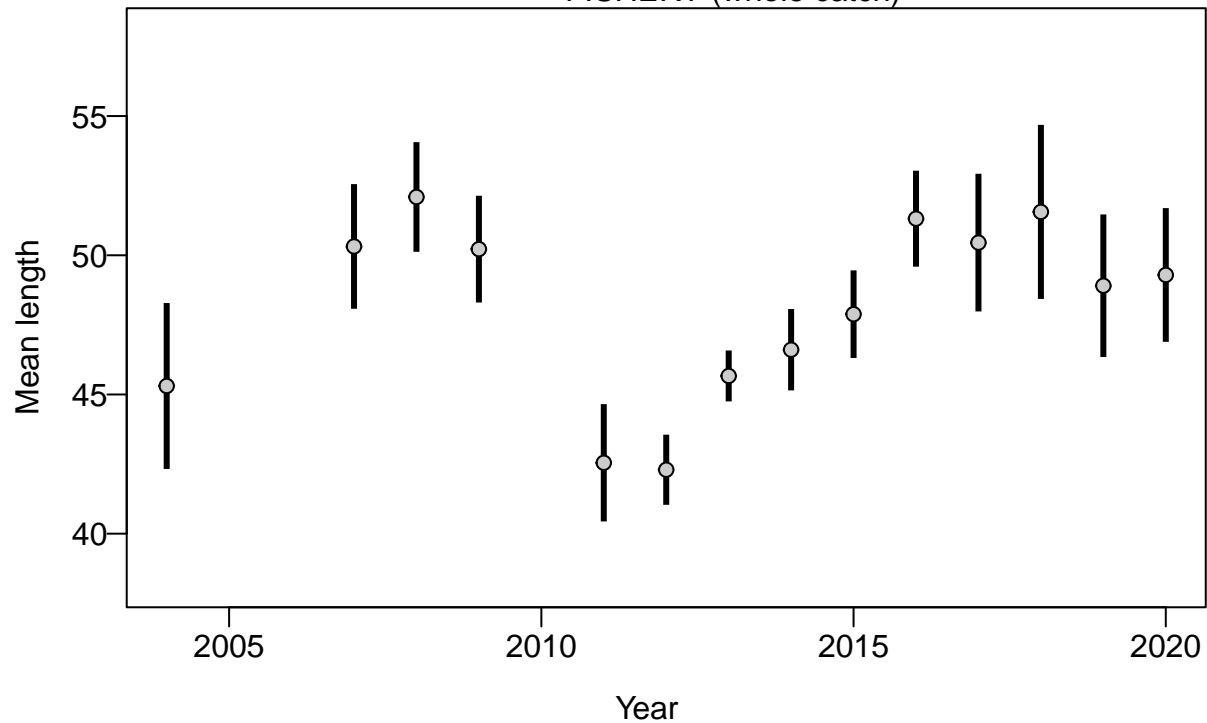
Proportion

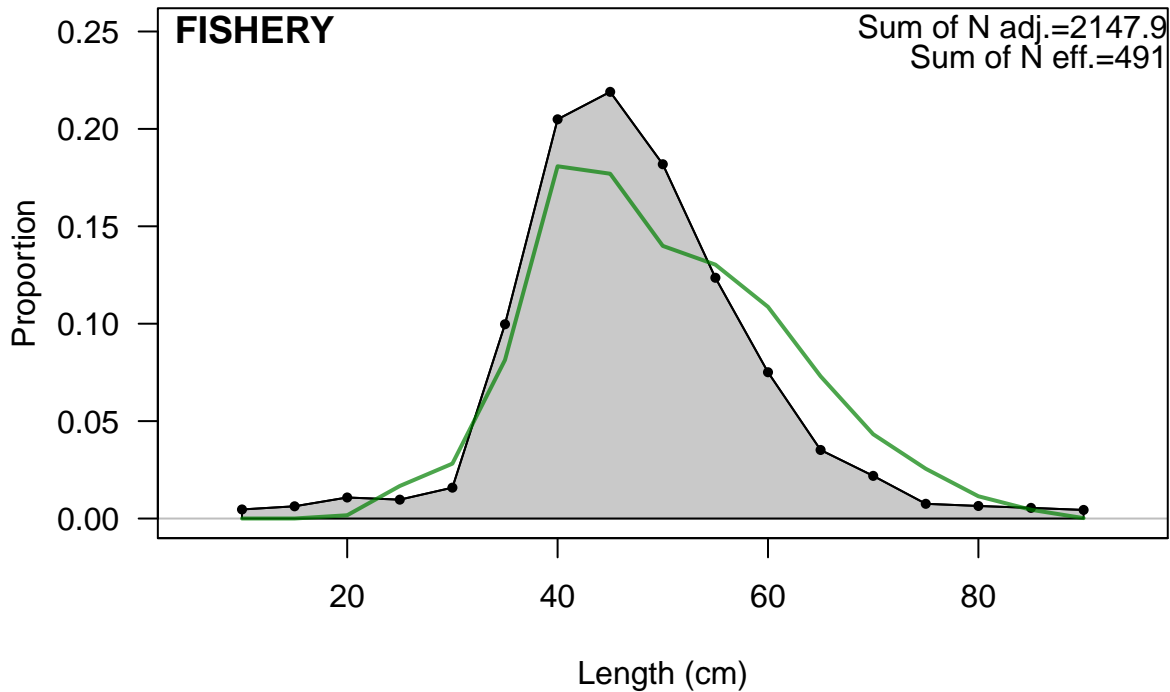


Length (cm)



## FISHERY (whole catch)



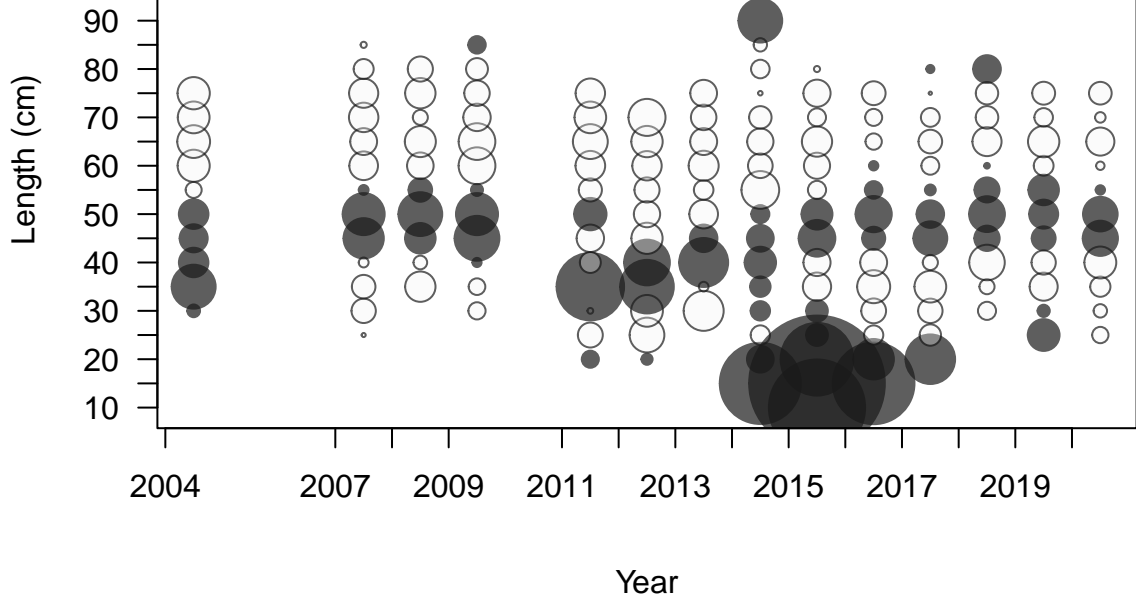


FISHERY

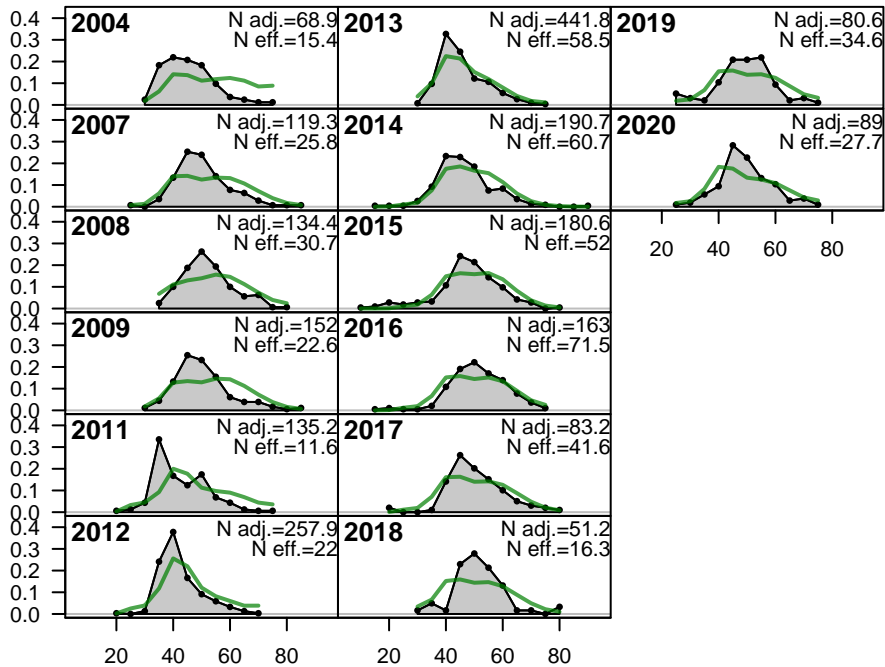
-30

10

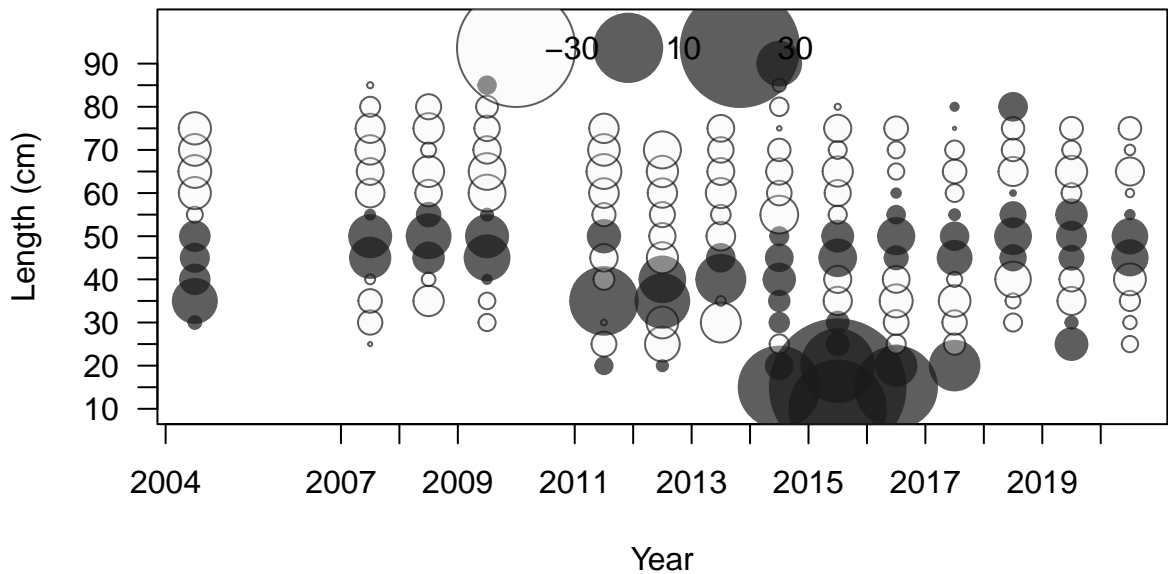
30



Proportion

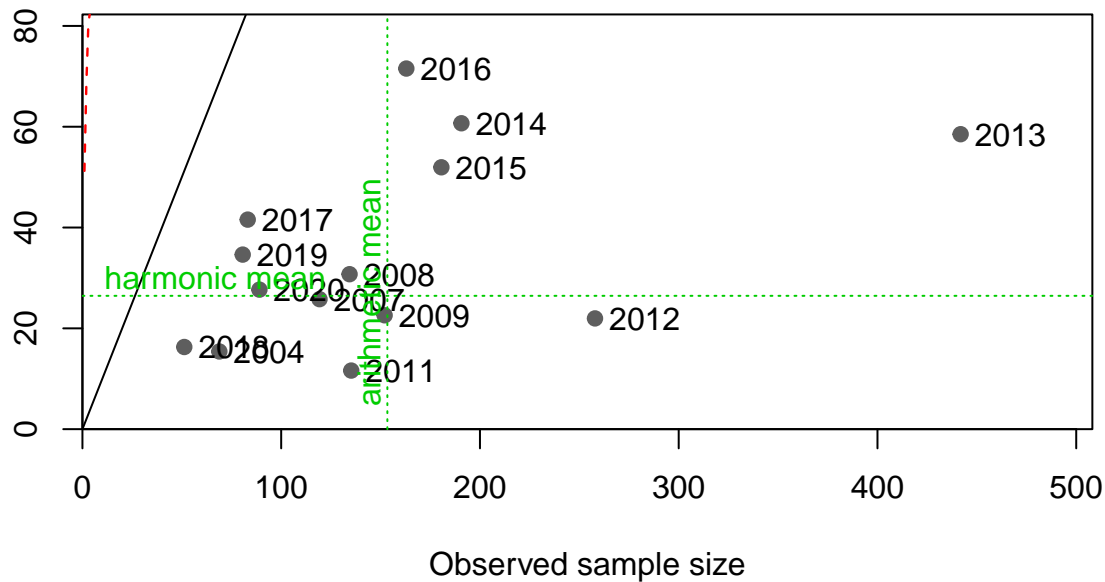


Length (cm)





Effective sample size



## FISHERY (whole catch)

