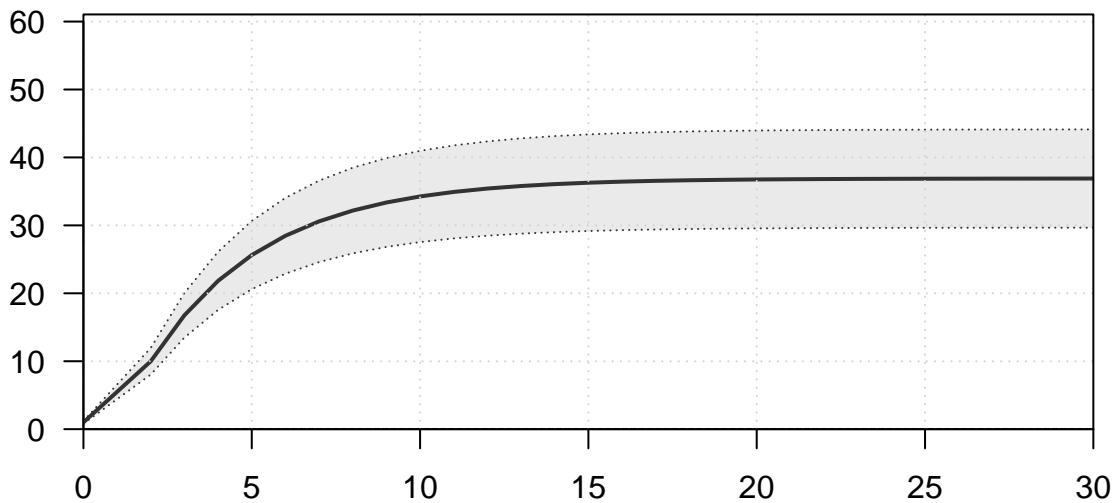
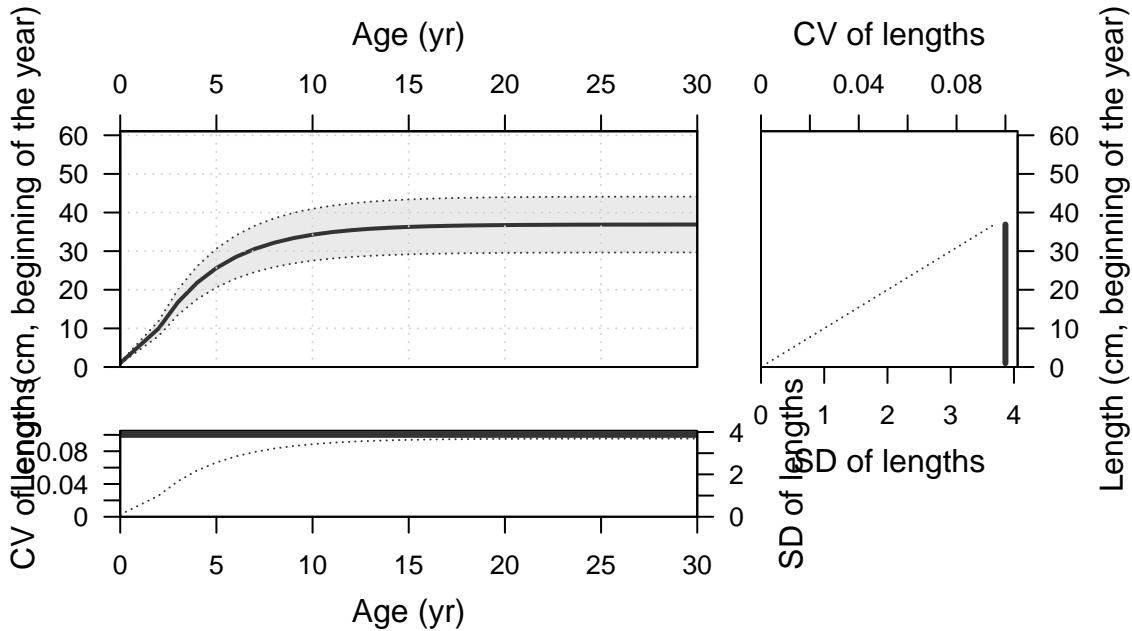


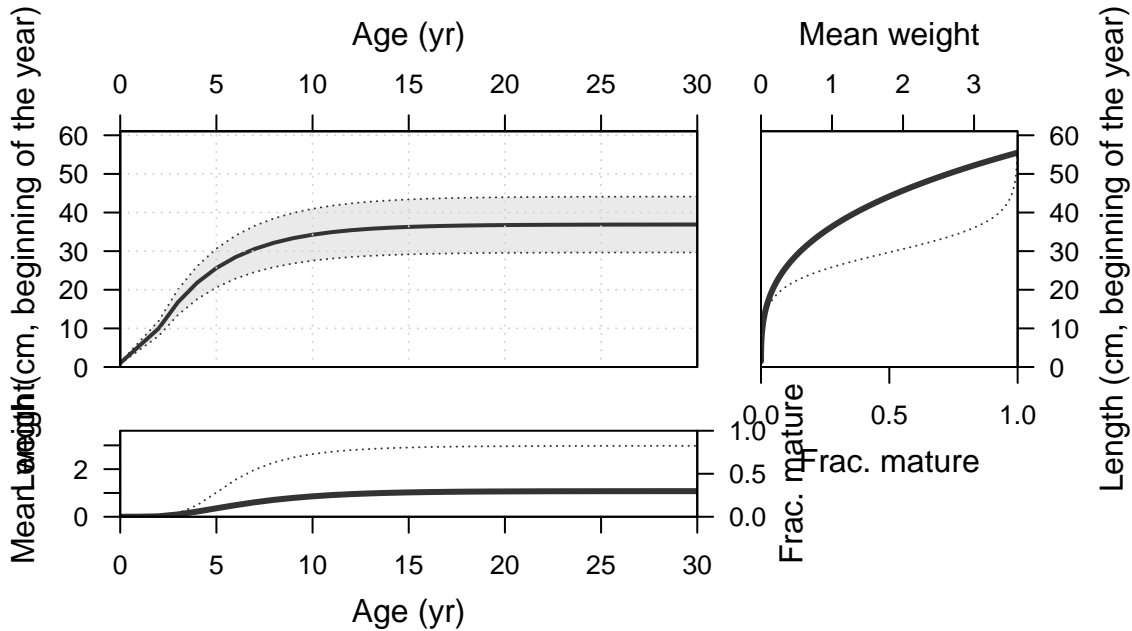
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Mon Jun 20 15:28:45 2022  
Data\_File: data.ss  
Control\_File: control.ss

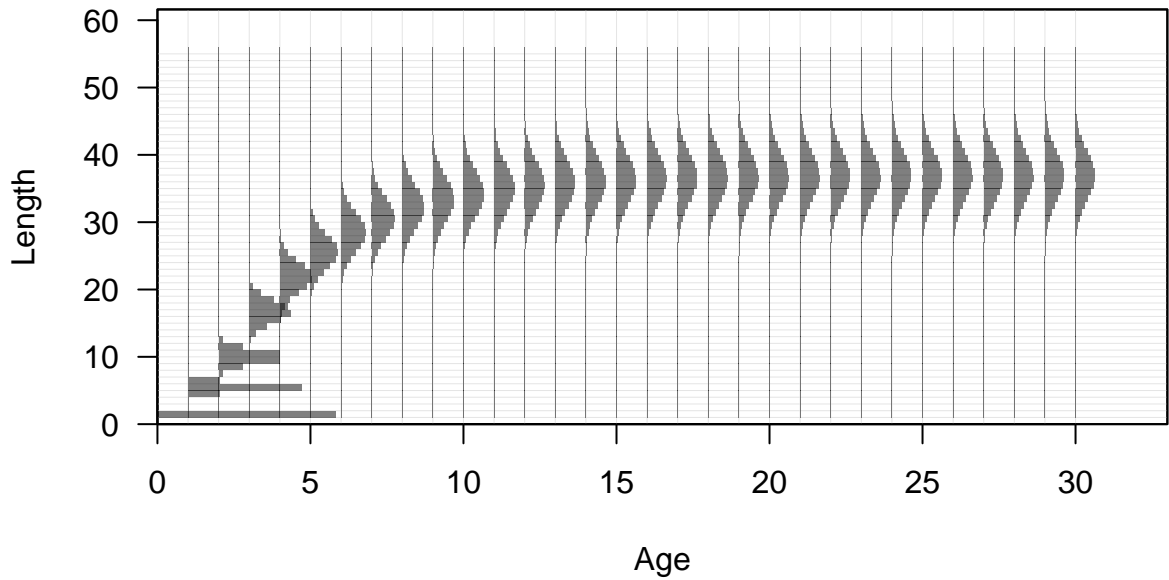
Length (cm, beginning of the year)

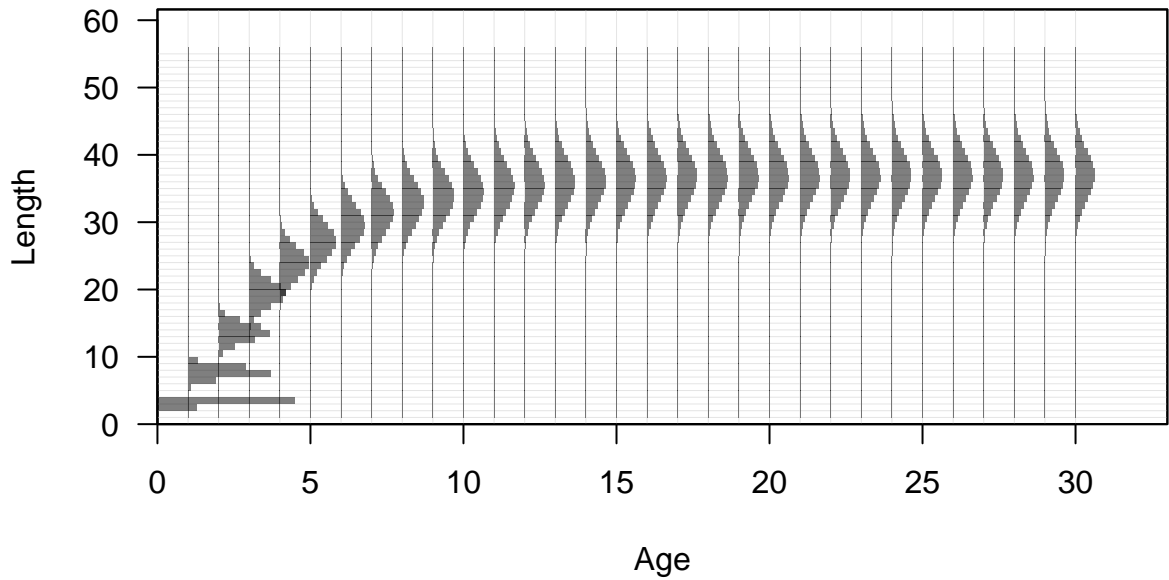


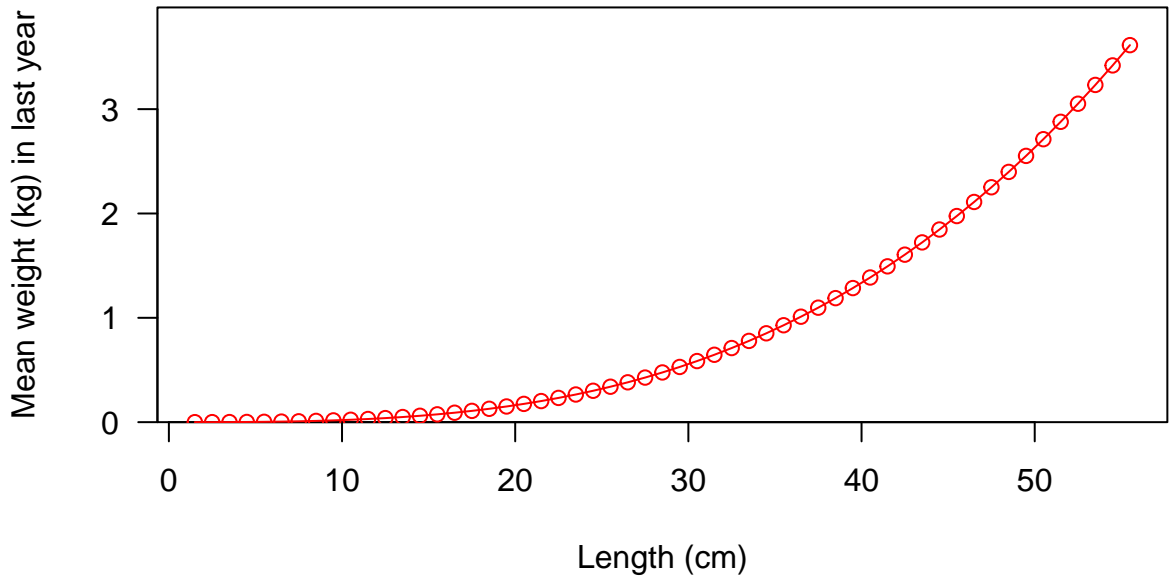
Age (yr)

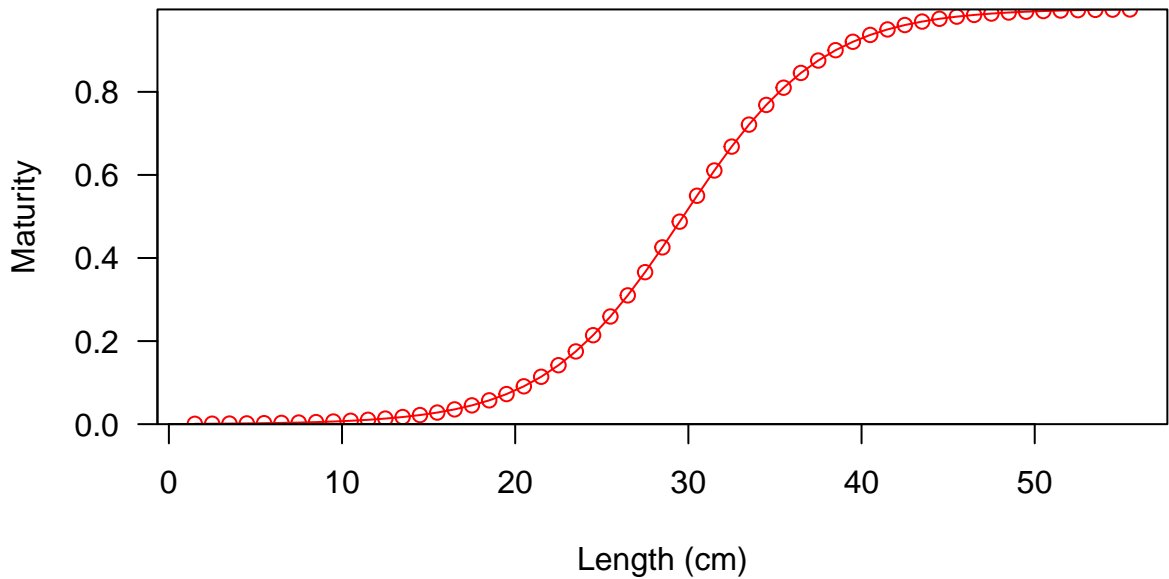




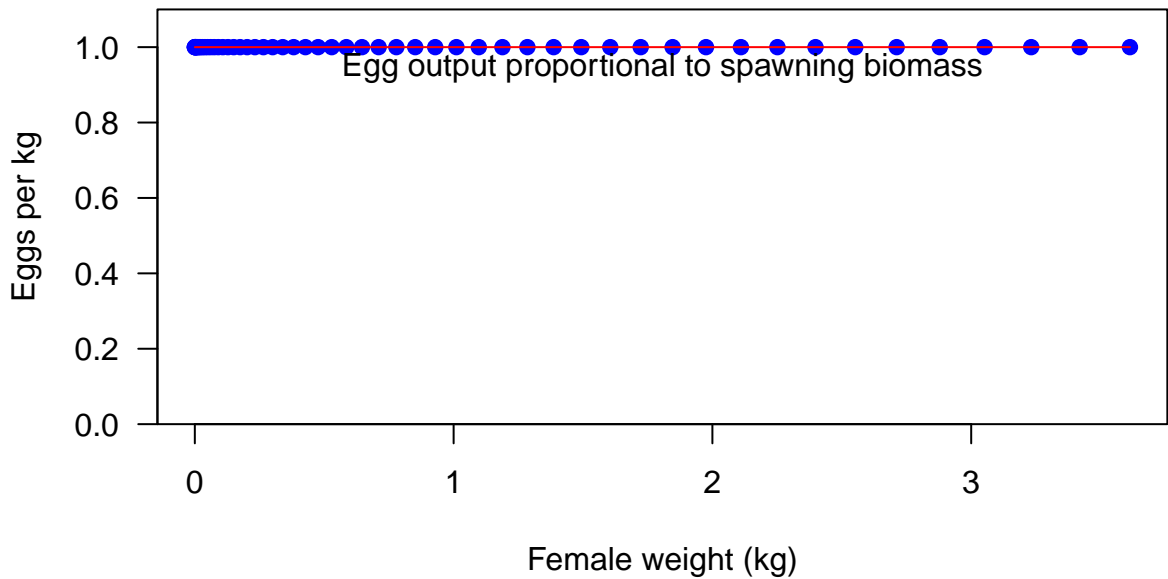




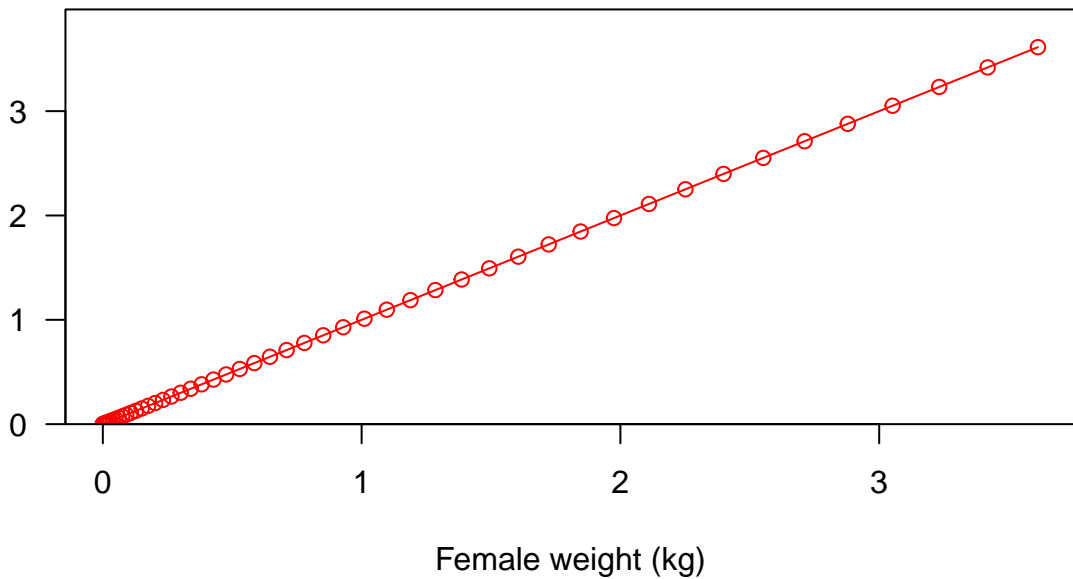




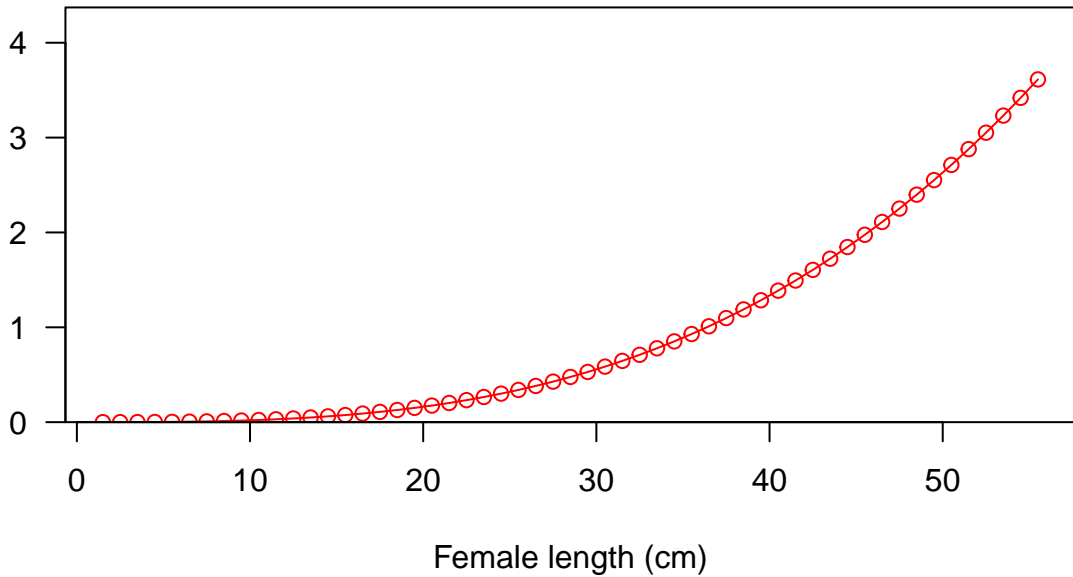




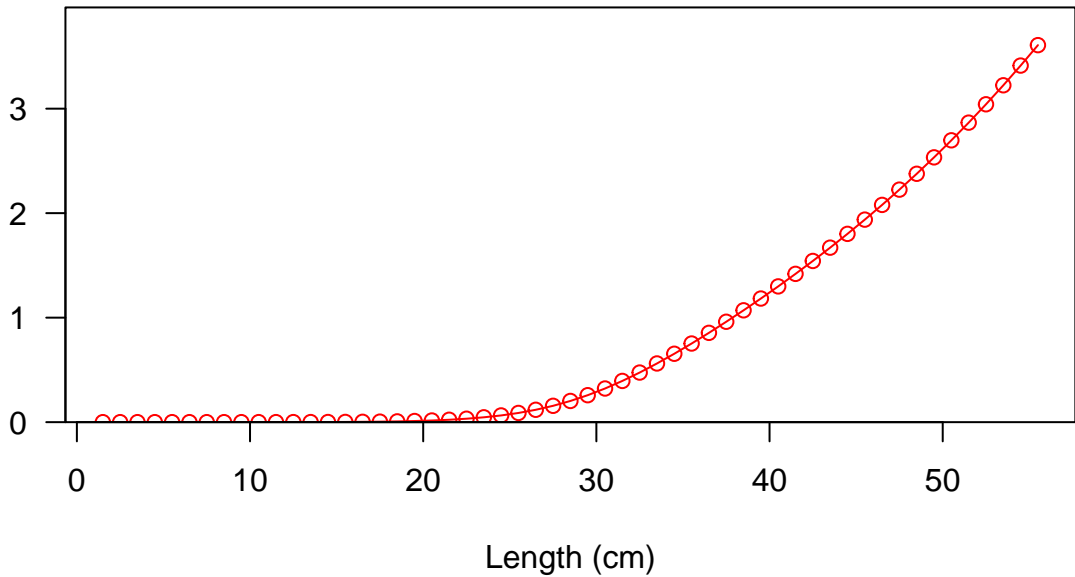
Fecundity

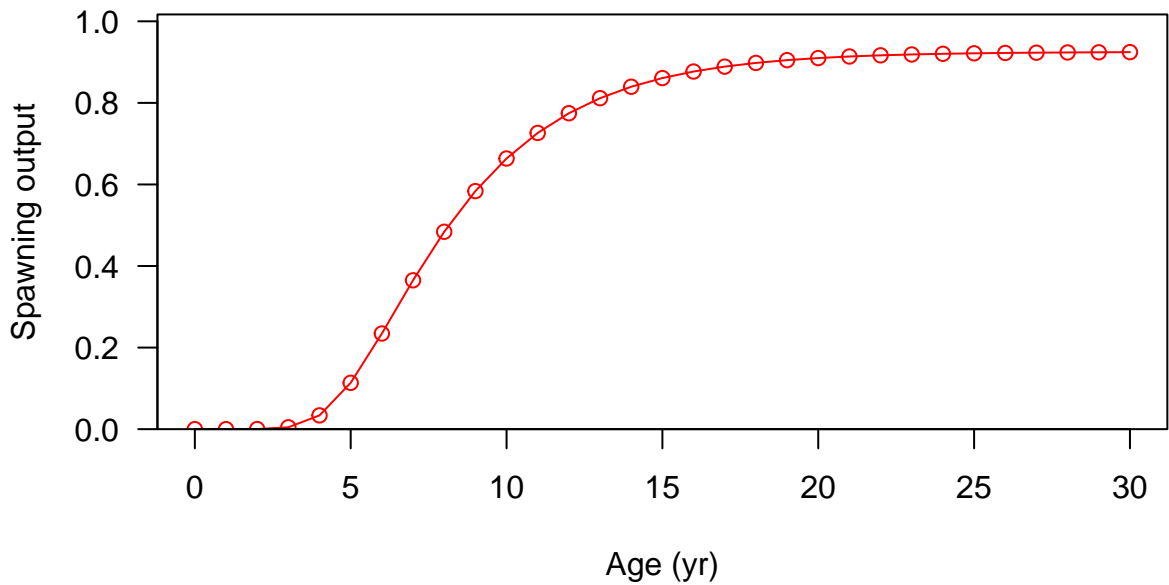


Fecundity

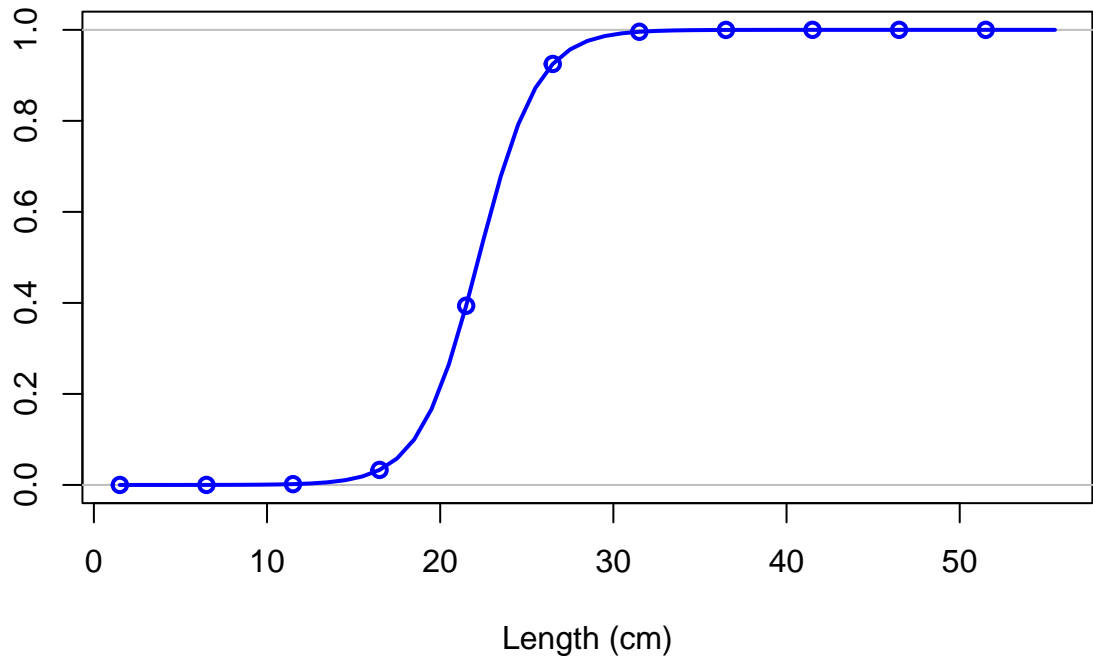


Spawning output

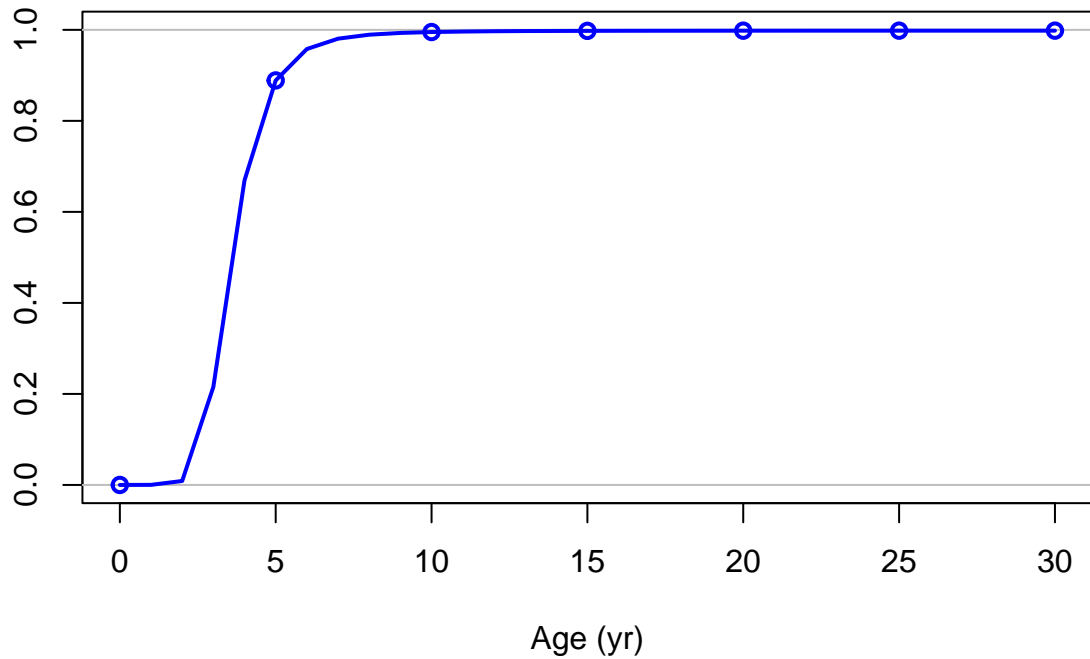




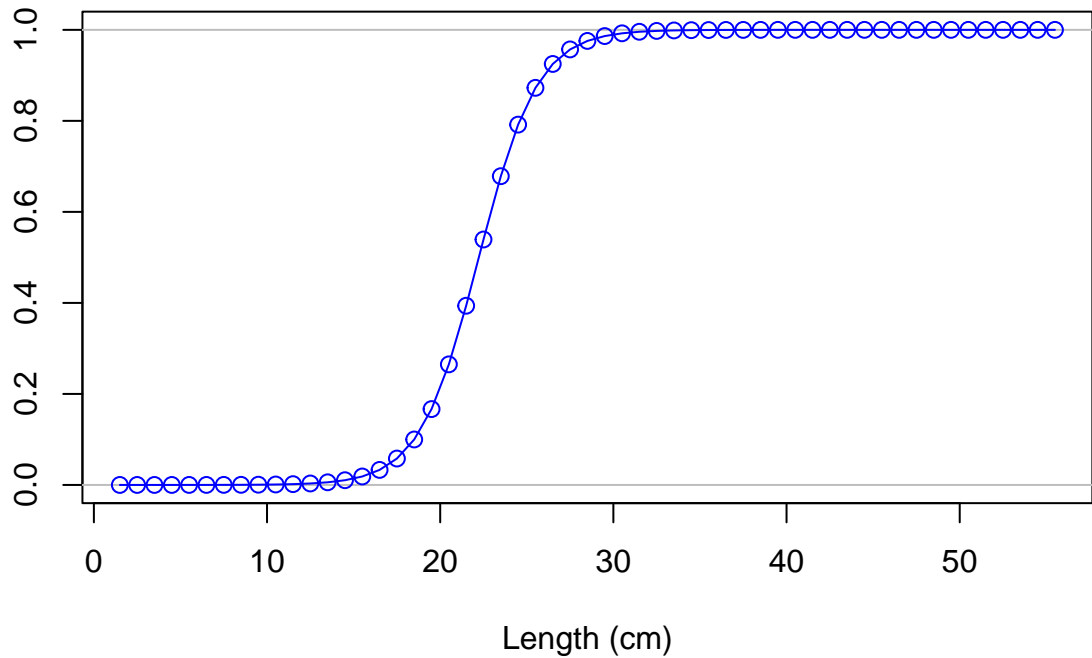
Selectivity



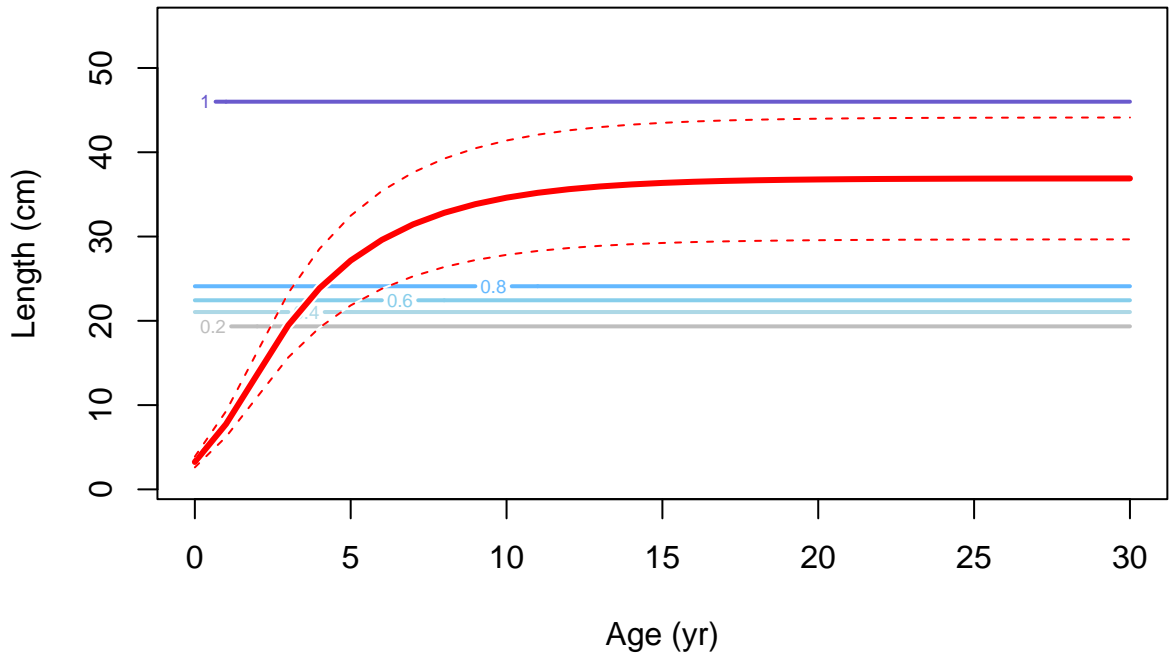
Selectivity

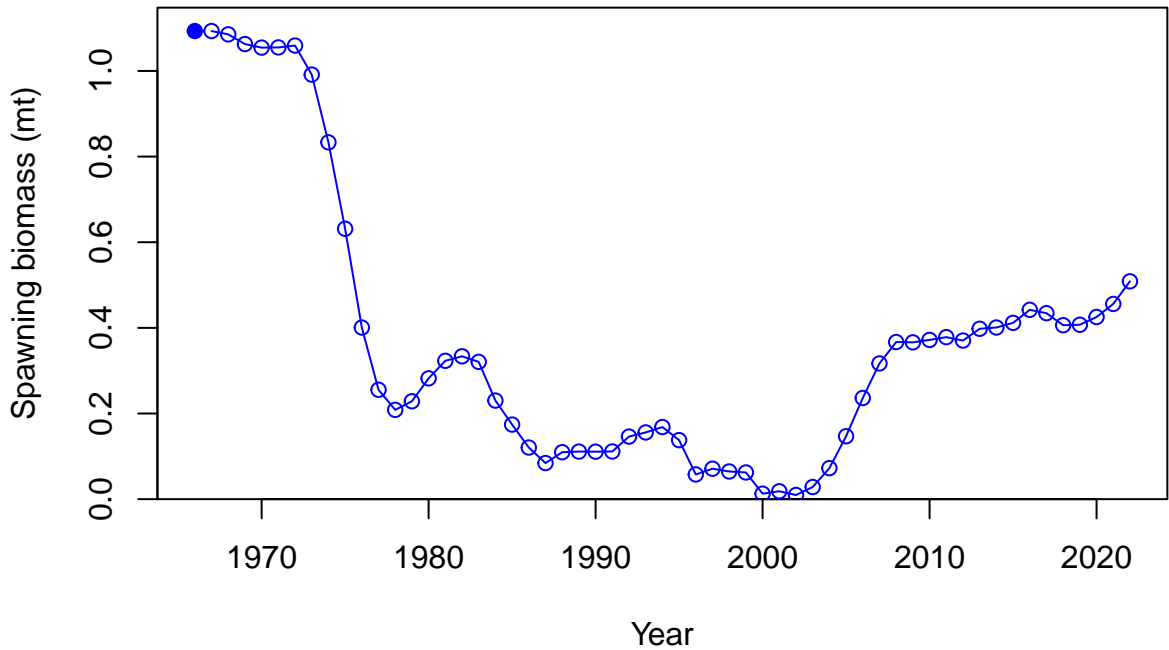


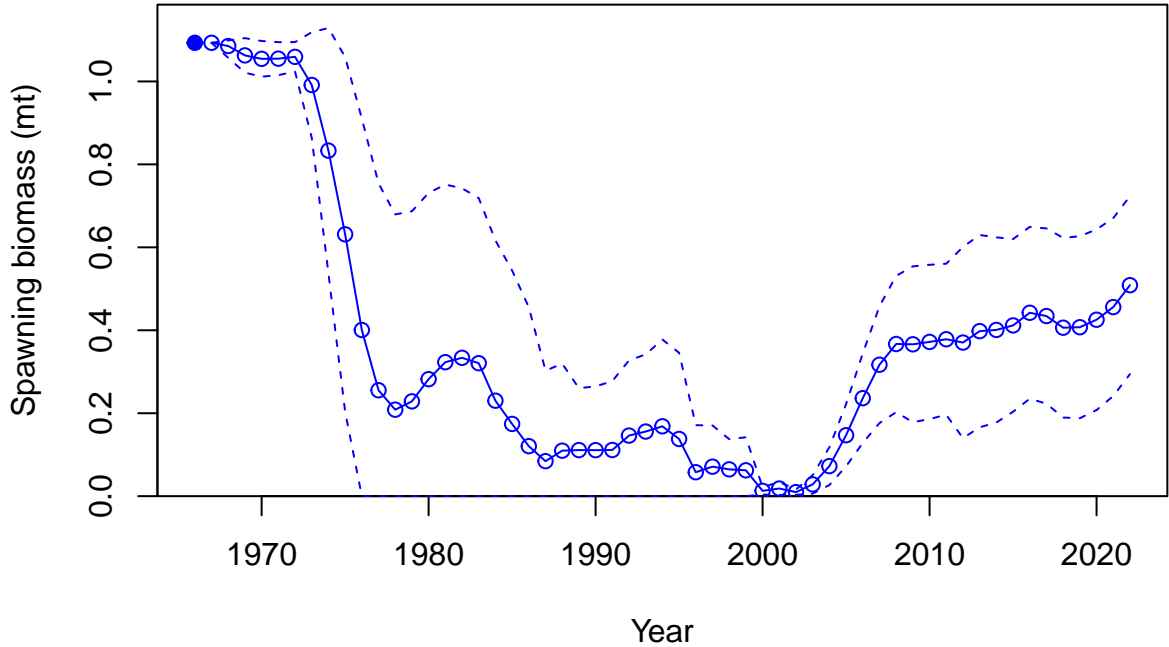
Selectivity



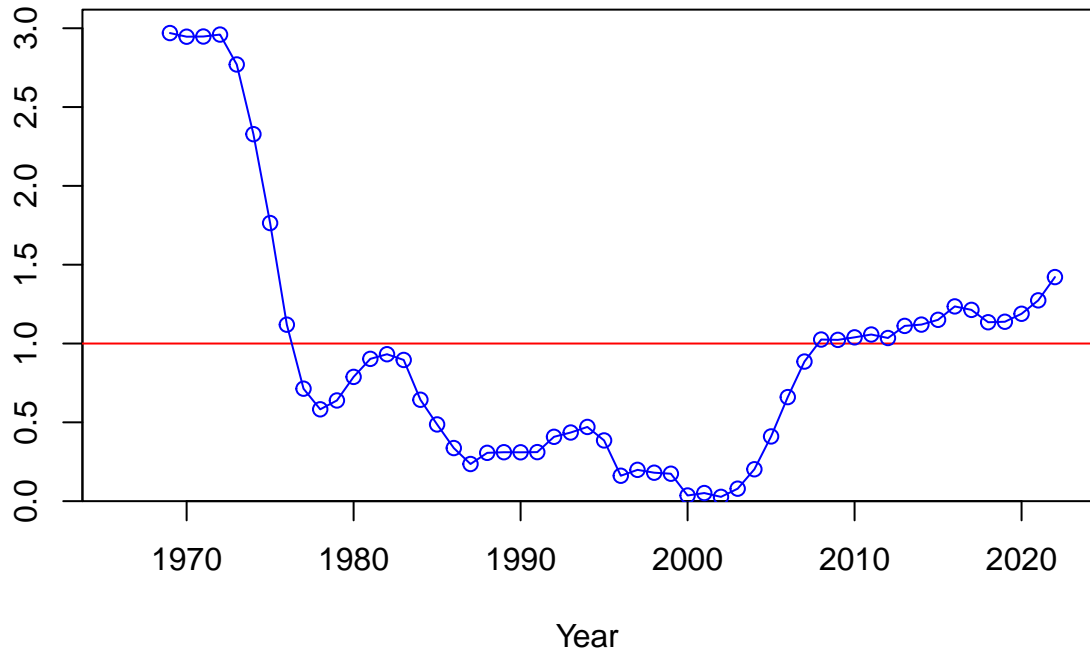




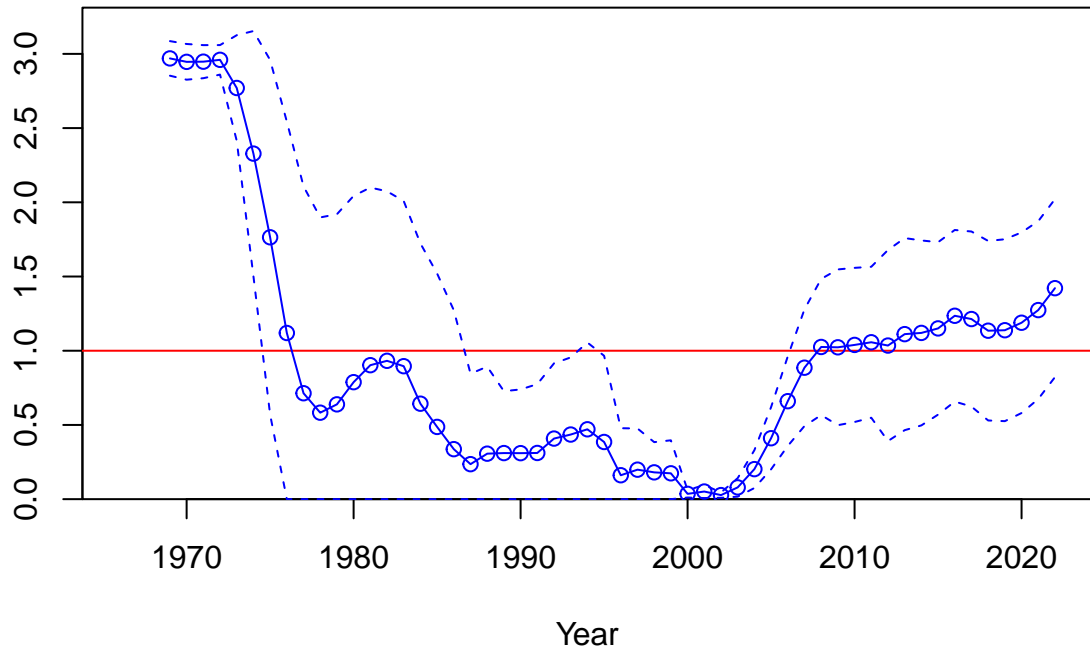


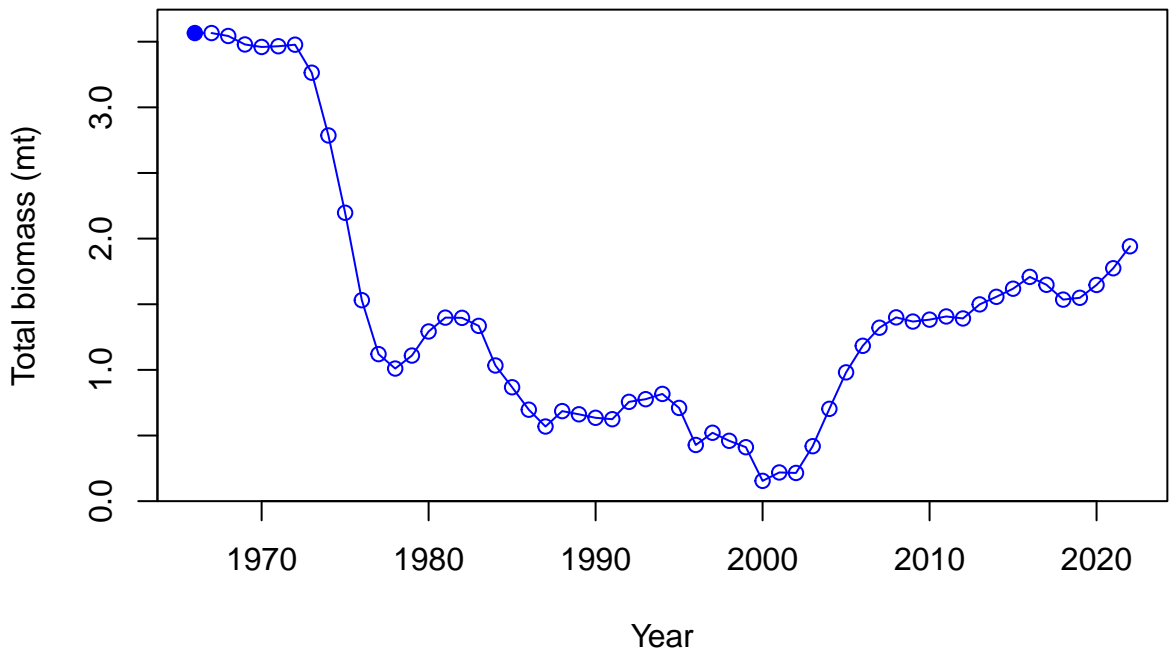


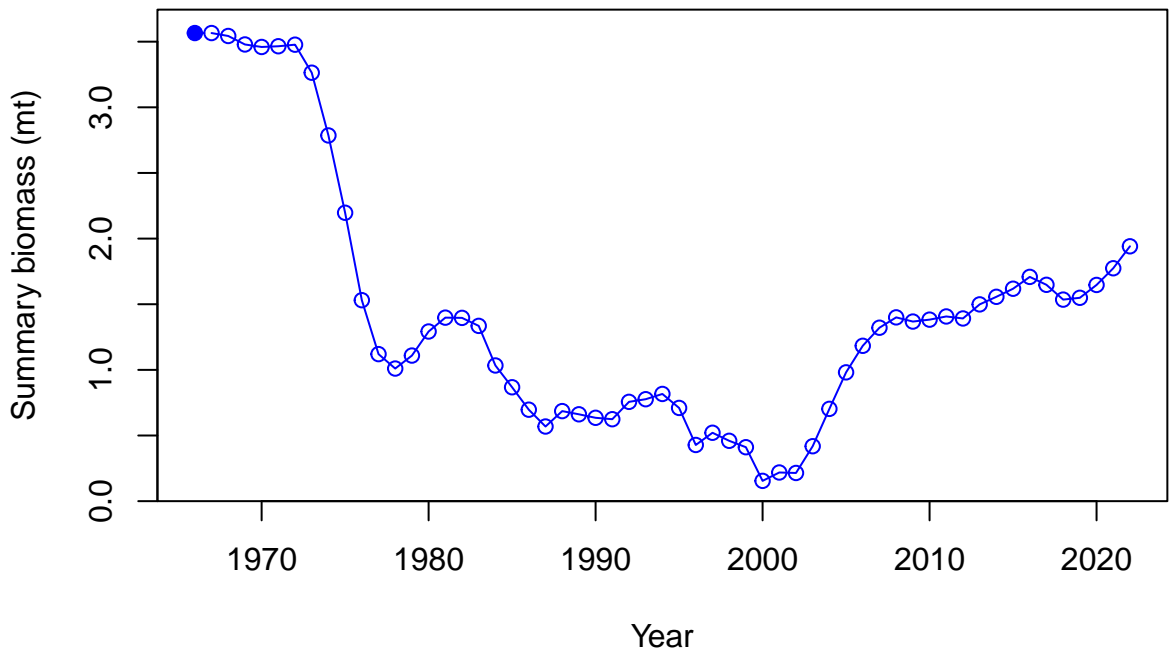
Relative spawning biomass:  $B/B_{MSY}$



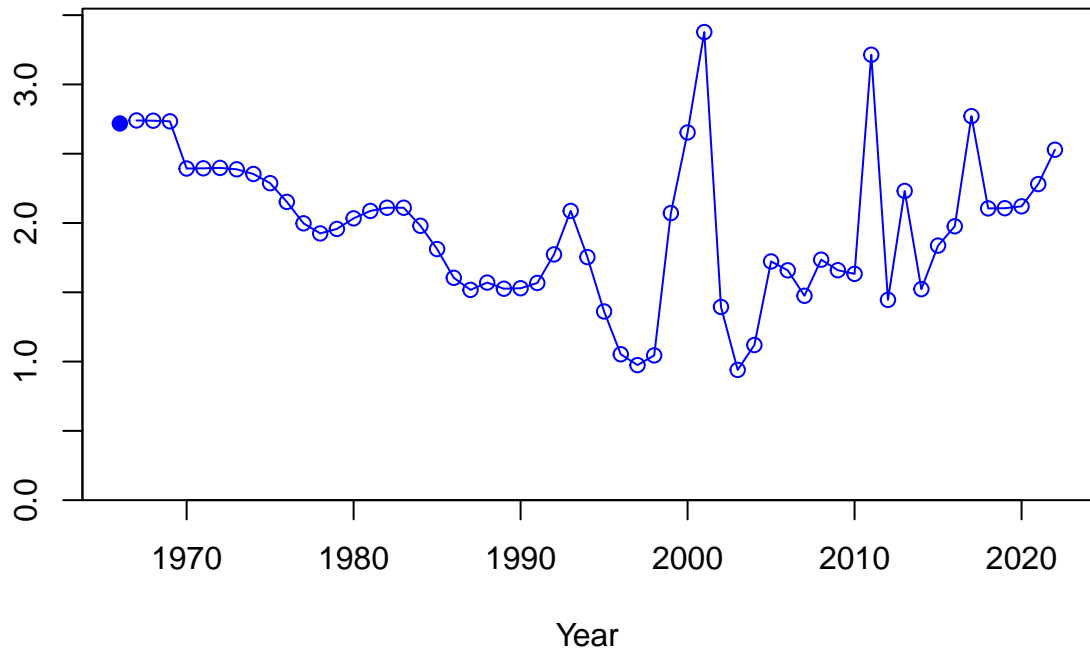
Relative spawning biomass:  $B/B_{MSY}$





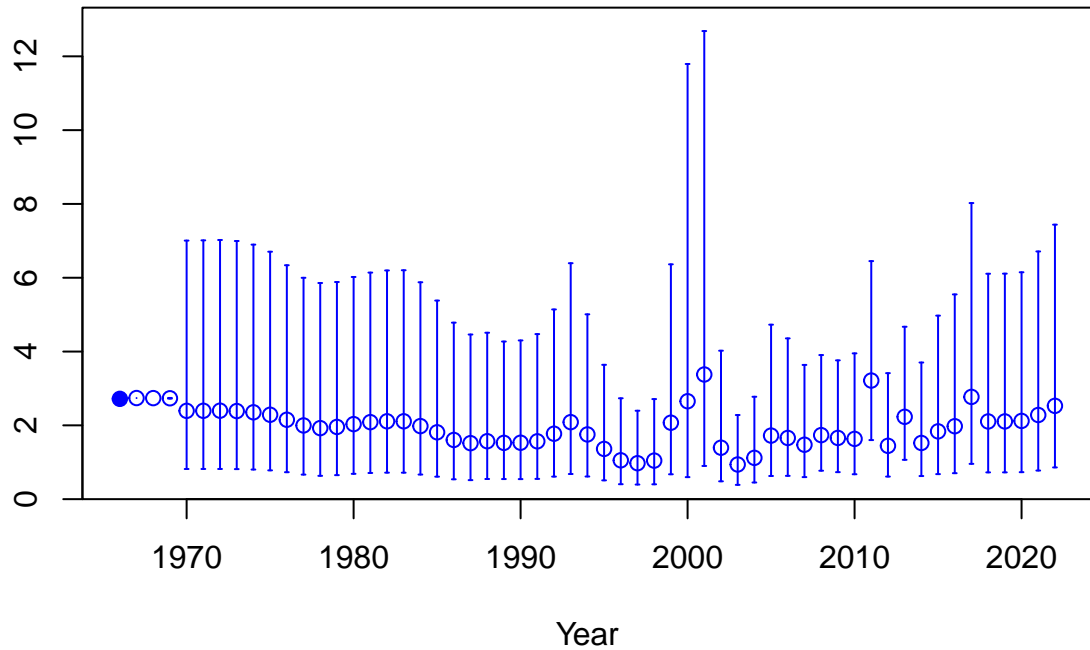


Age-0 recruits (1,000s)

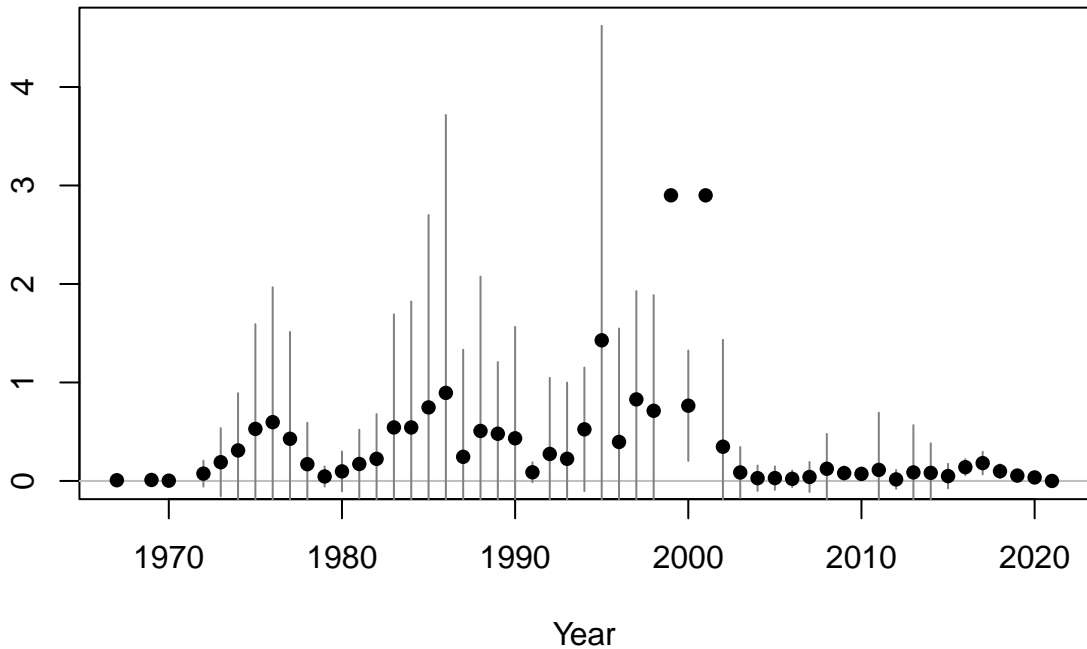


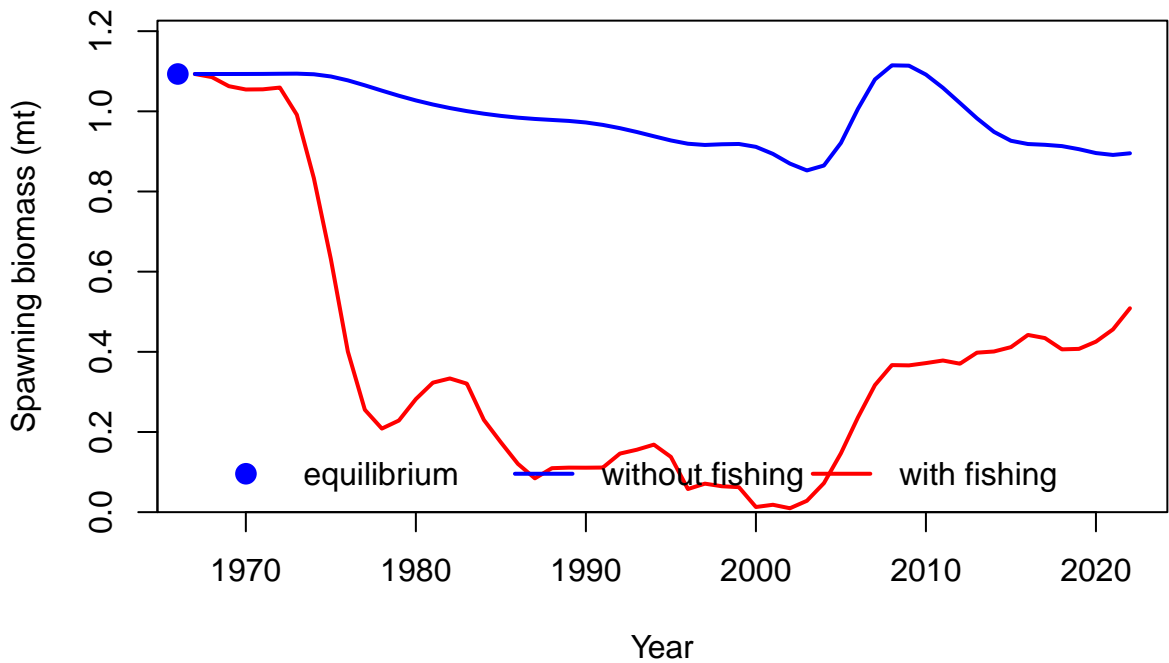


Age-0 recruits (1,000s)

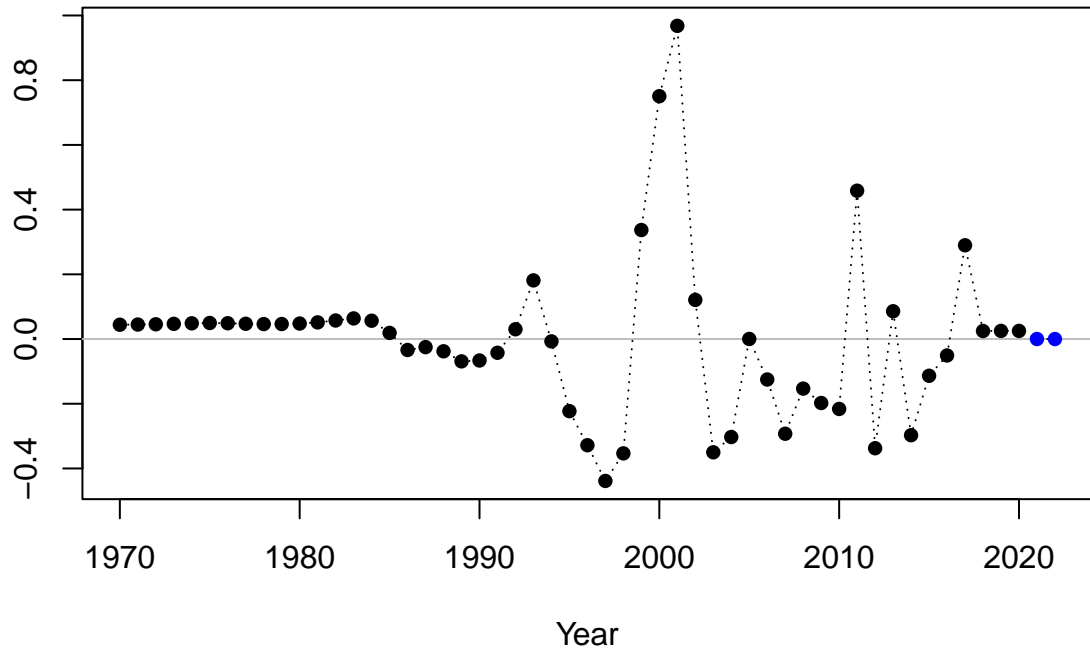


Summary Fishing Mortality





Log recruitment deviation



Log recruitment deviation

2  
1  
0  
-1

1970

1980

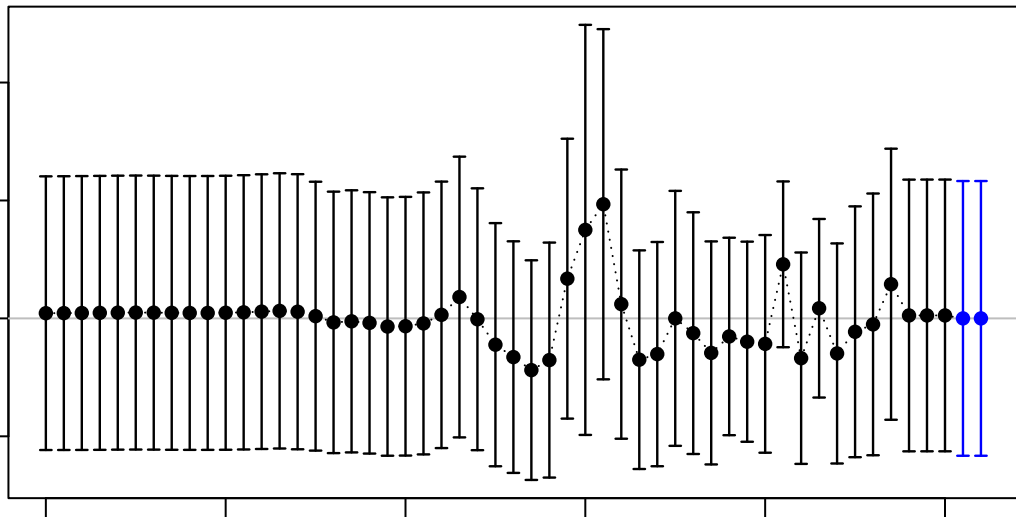
1990

2000

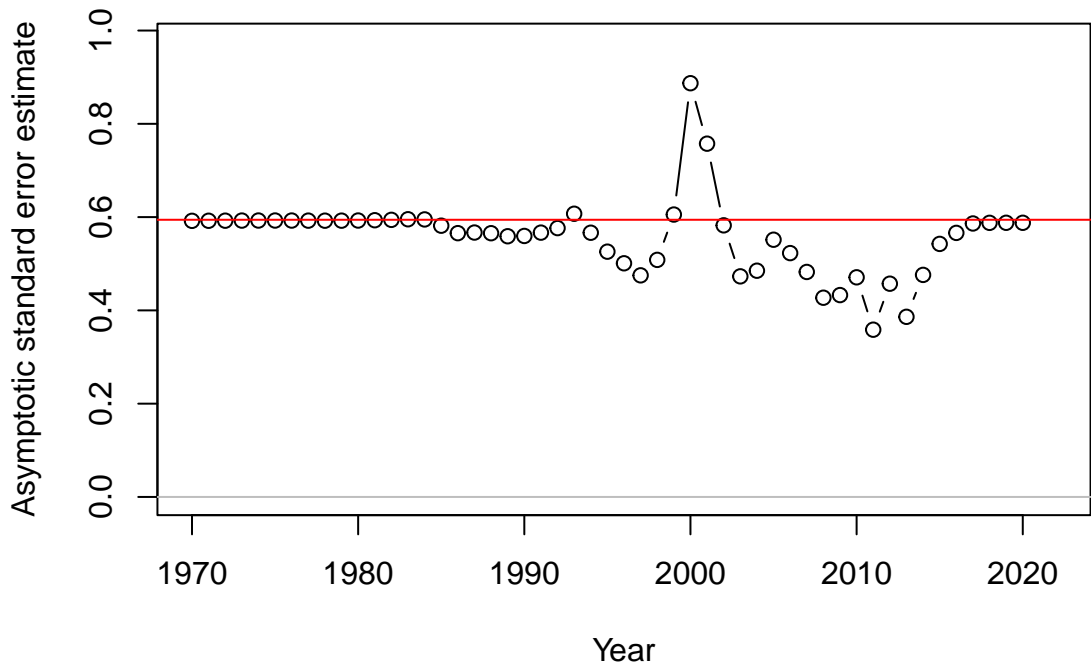
2010

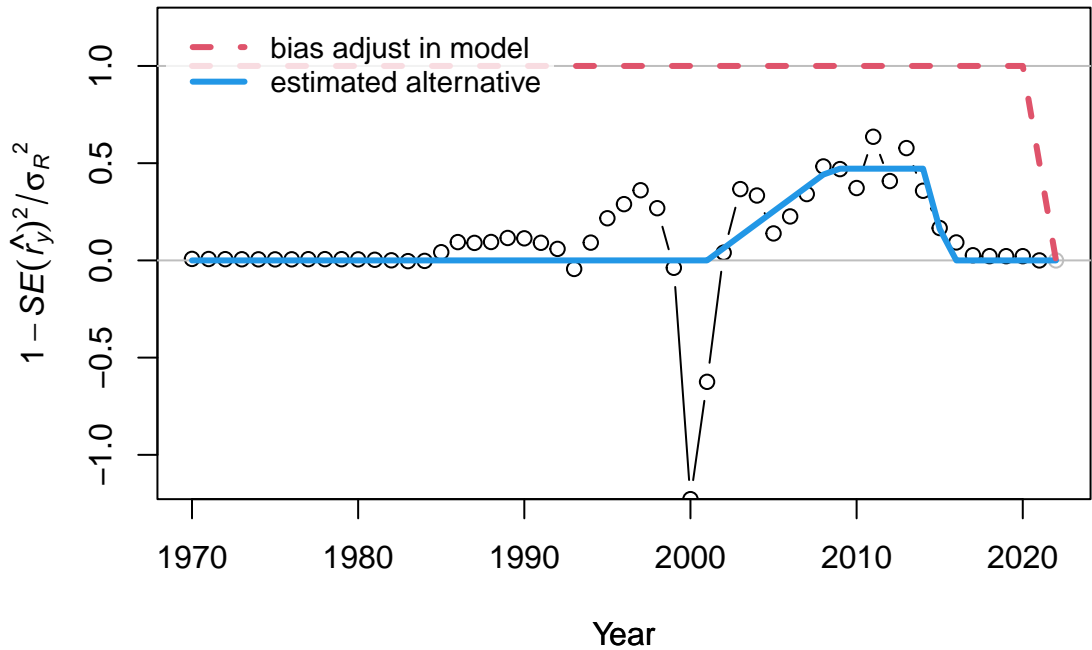
2020

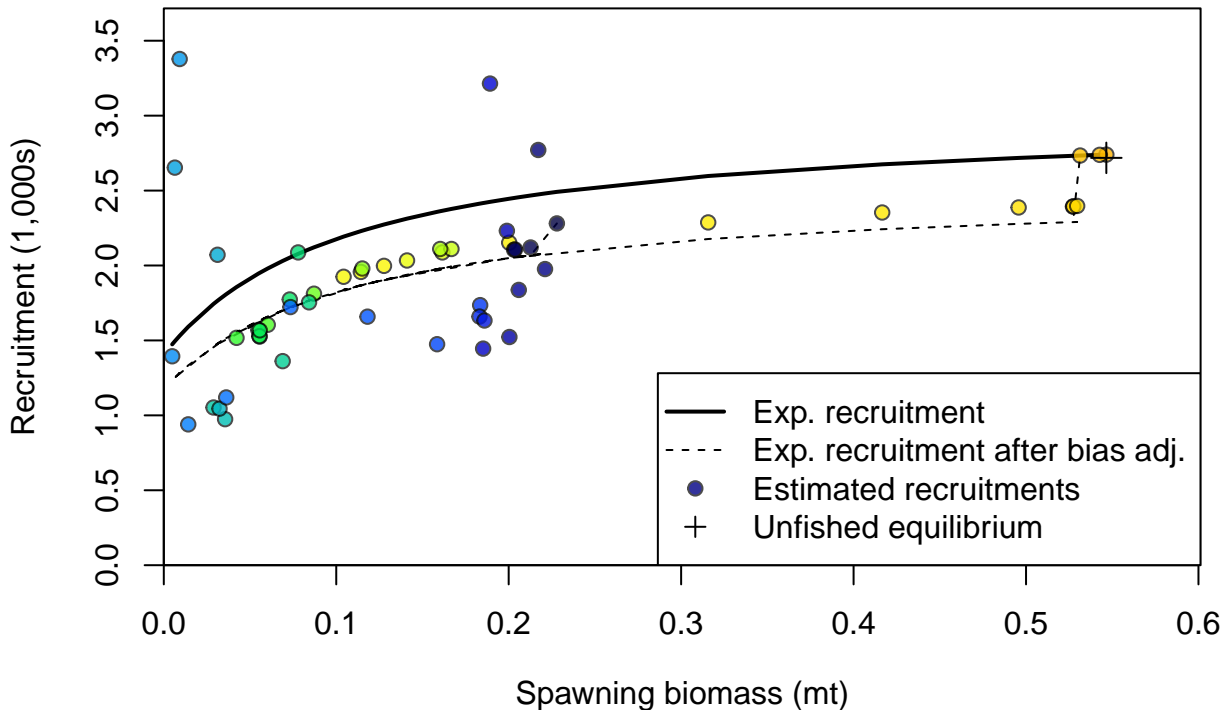
Year



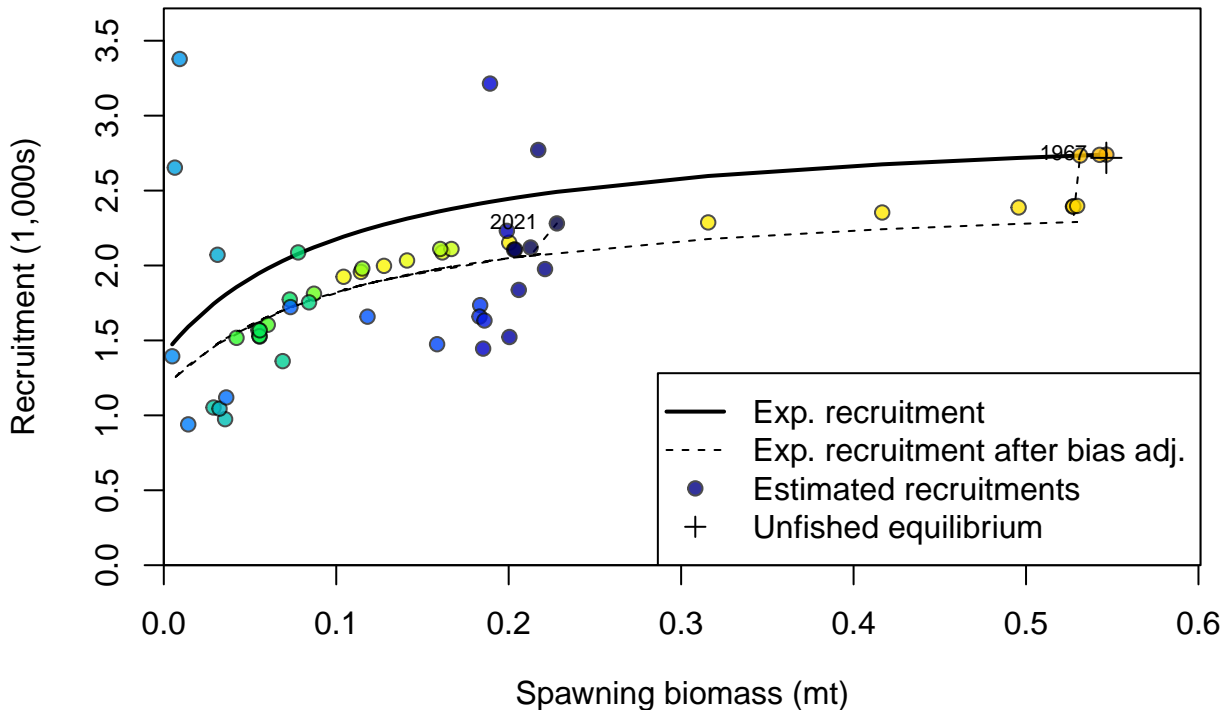
## Recruitment deviation variance



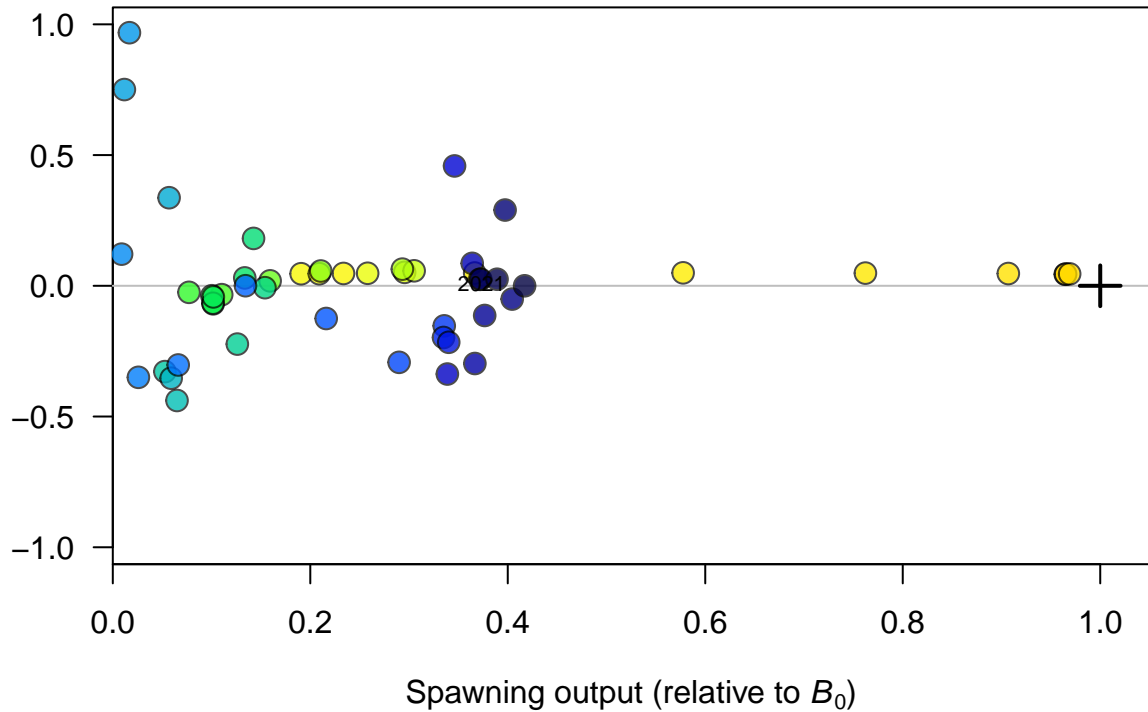


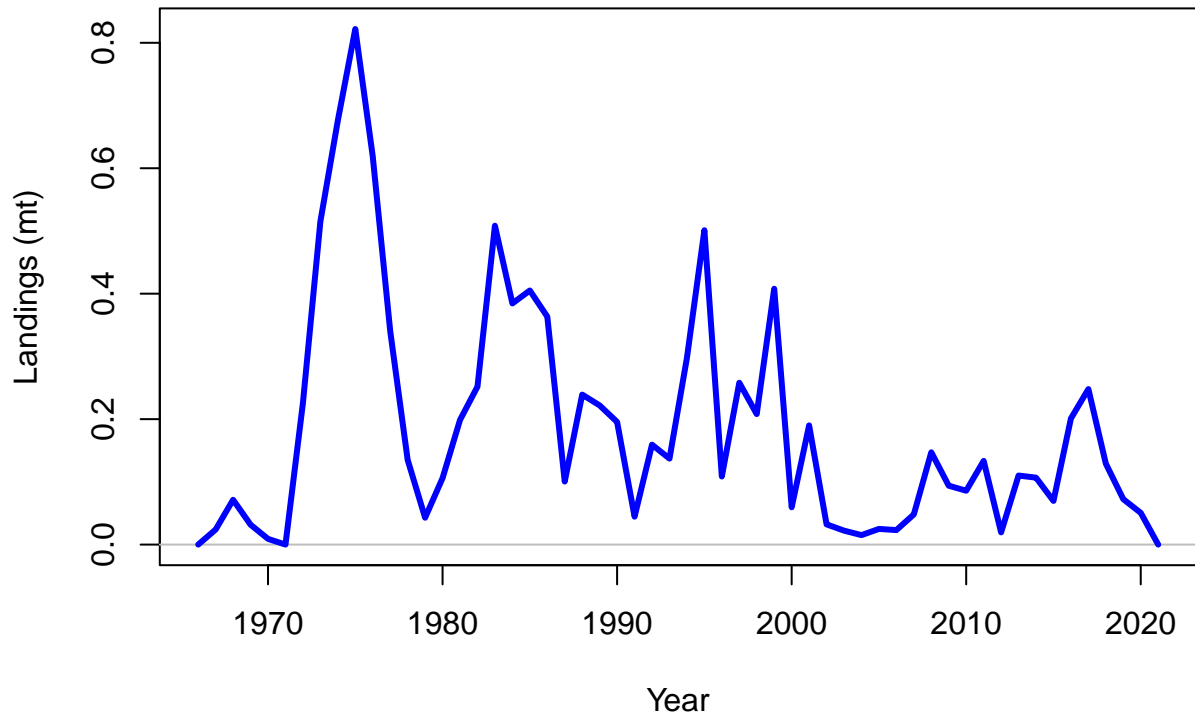


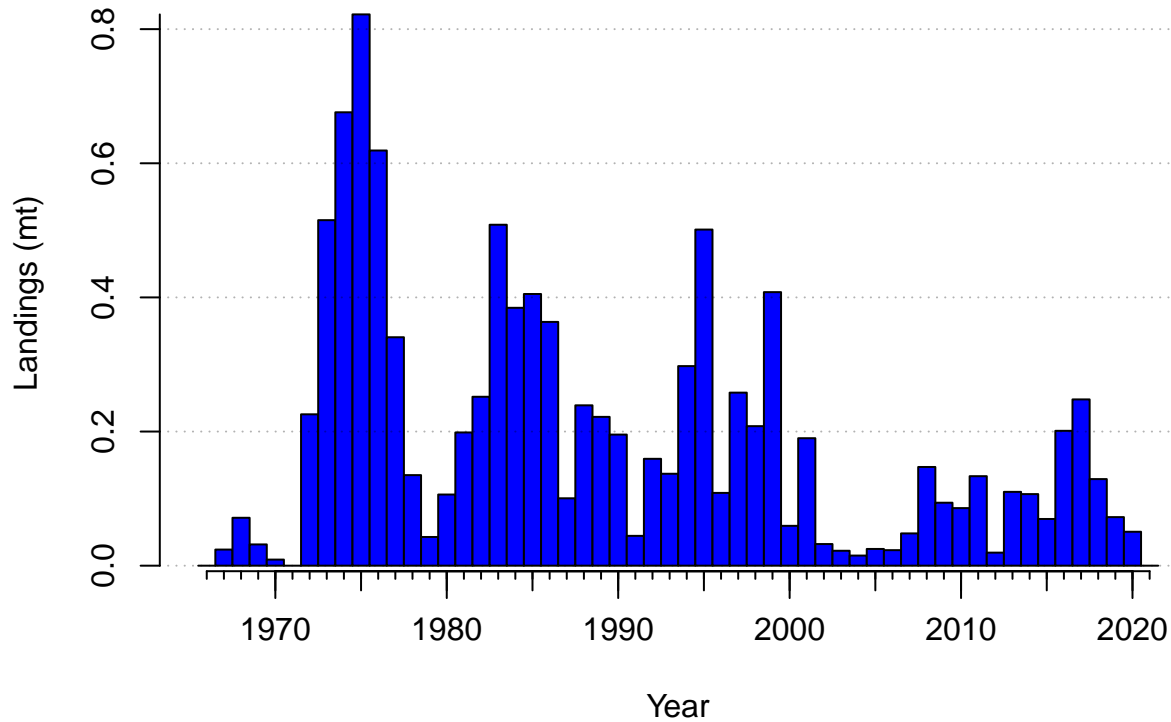


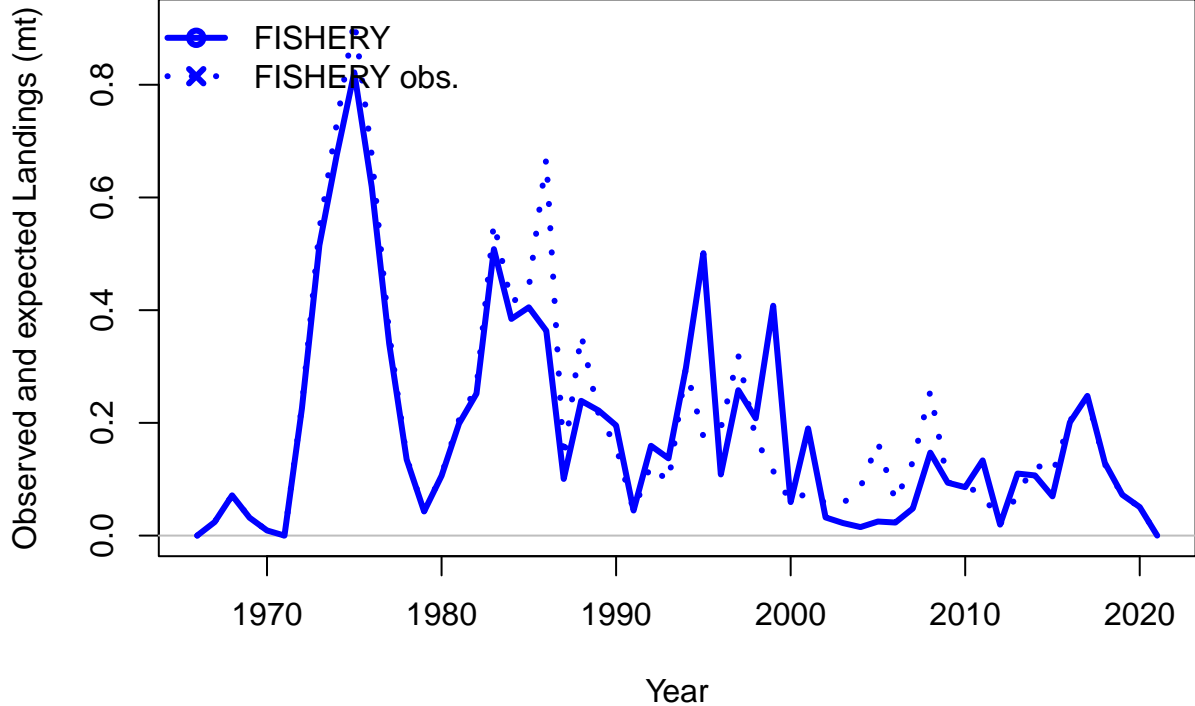


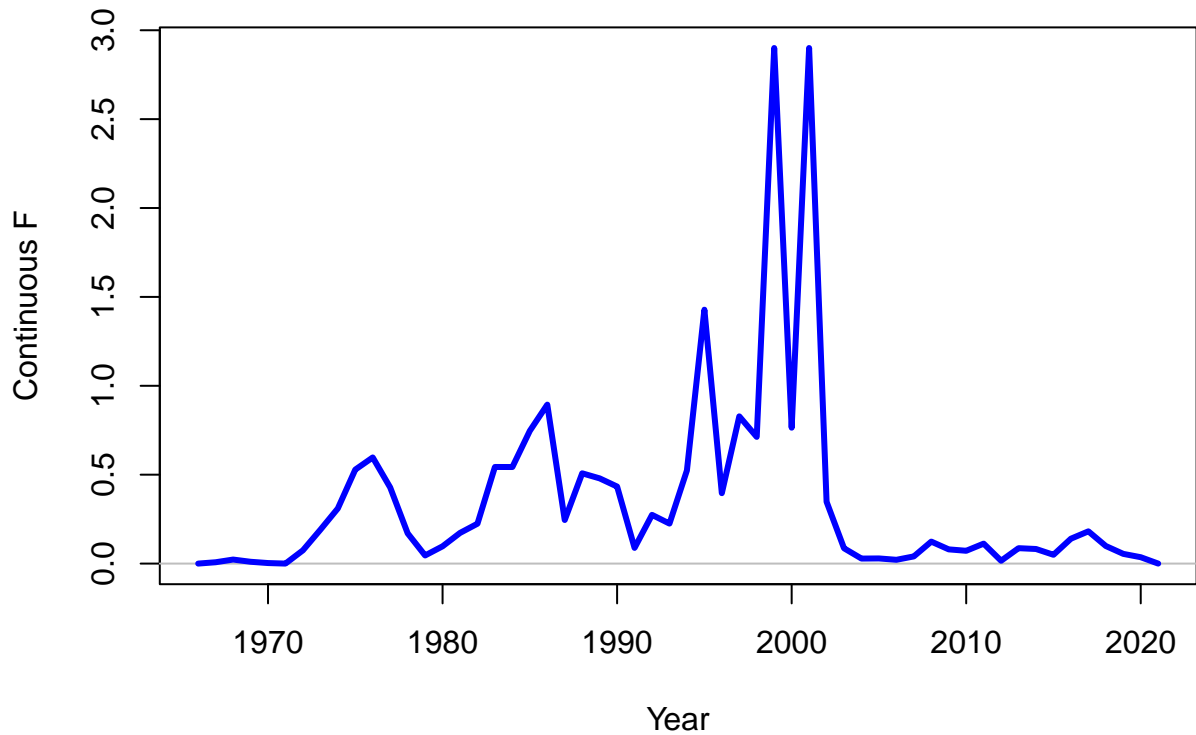
Log recruitment deviation



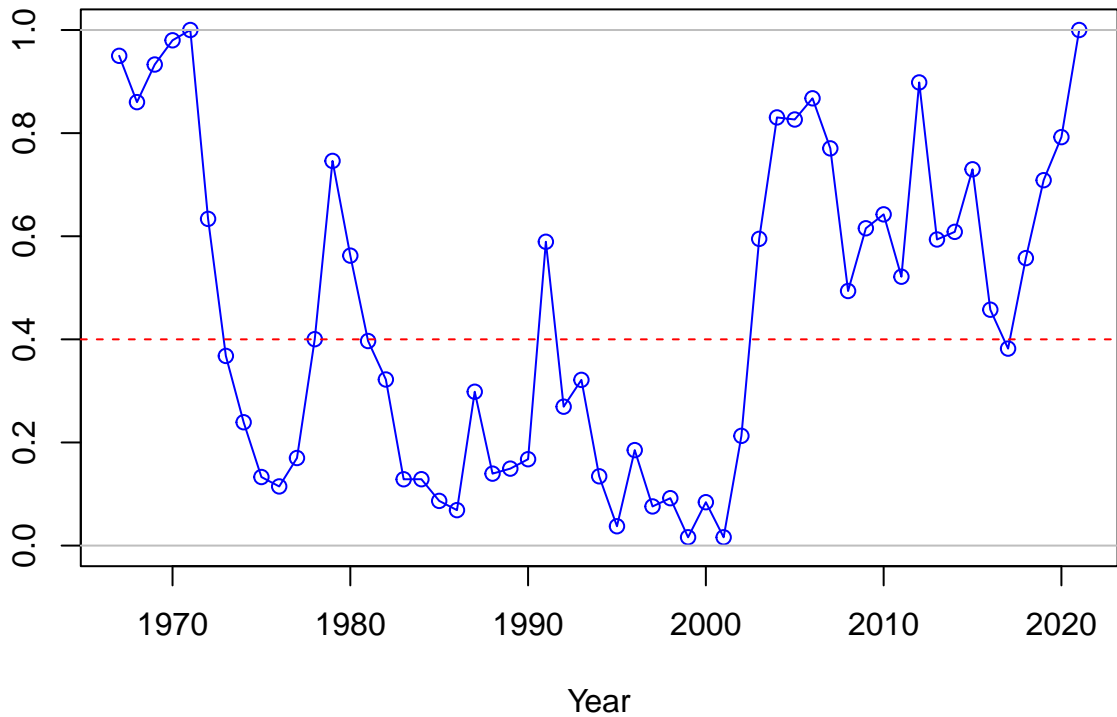


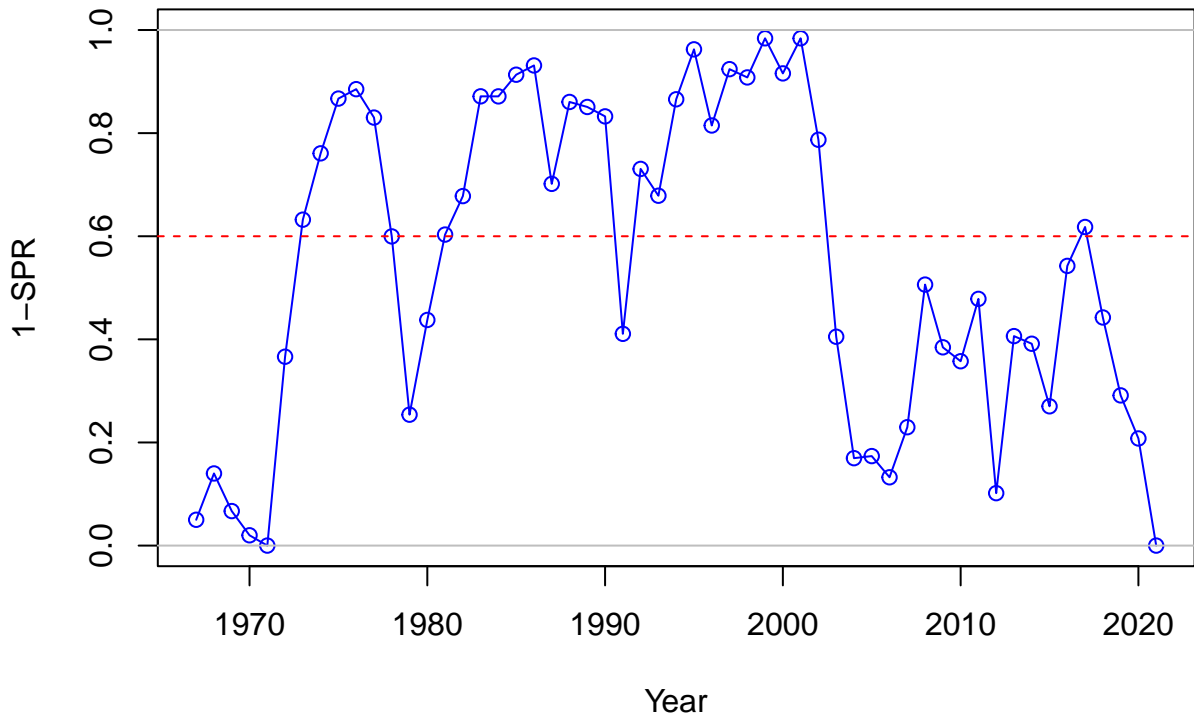






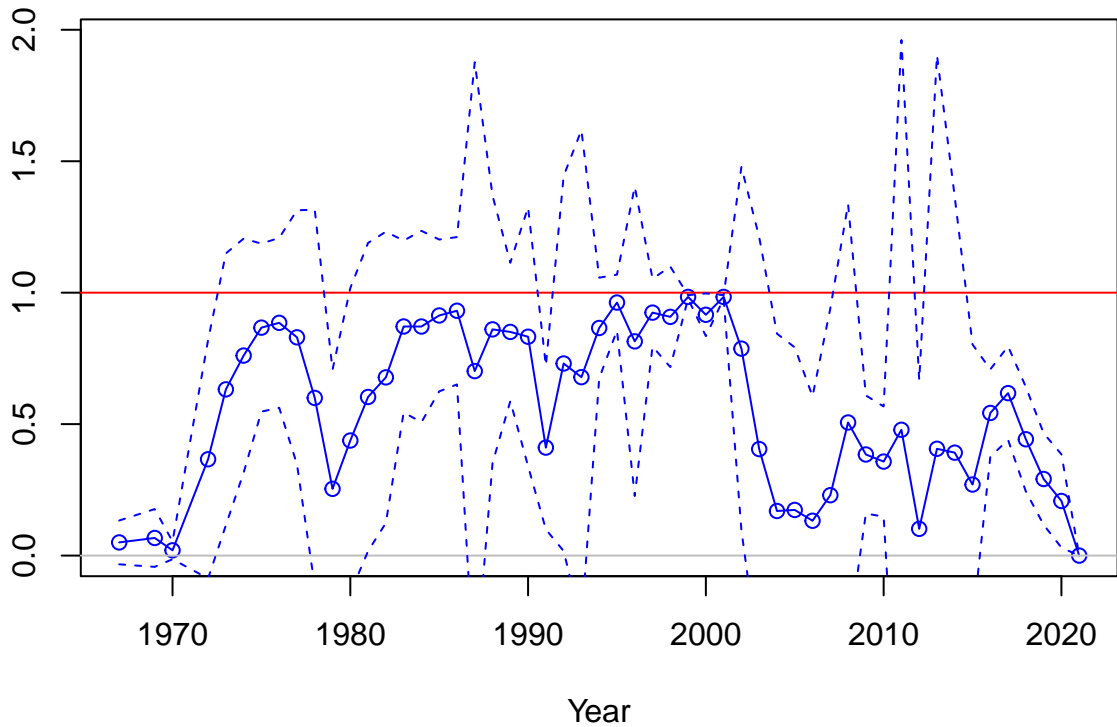
SPR



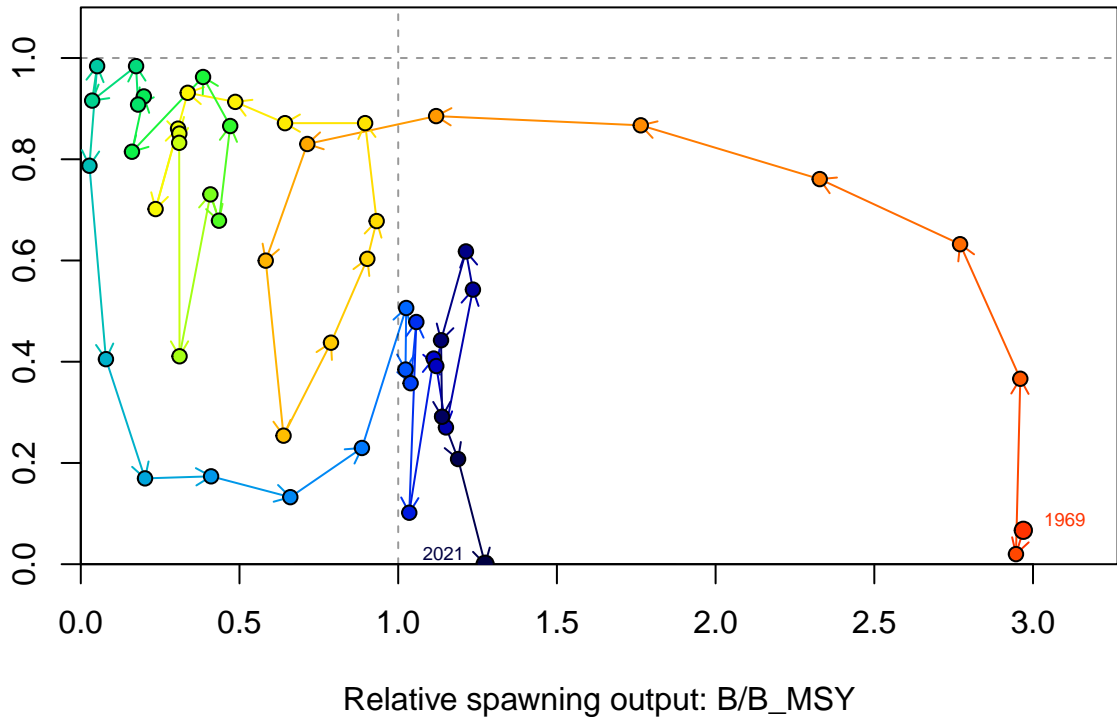




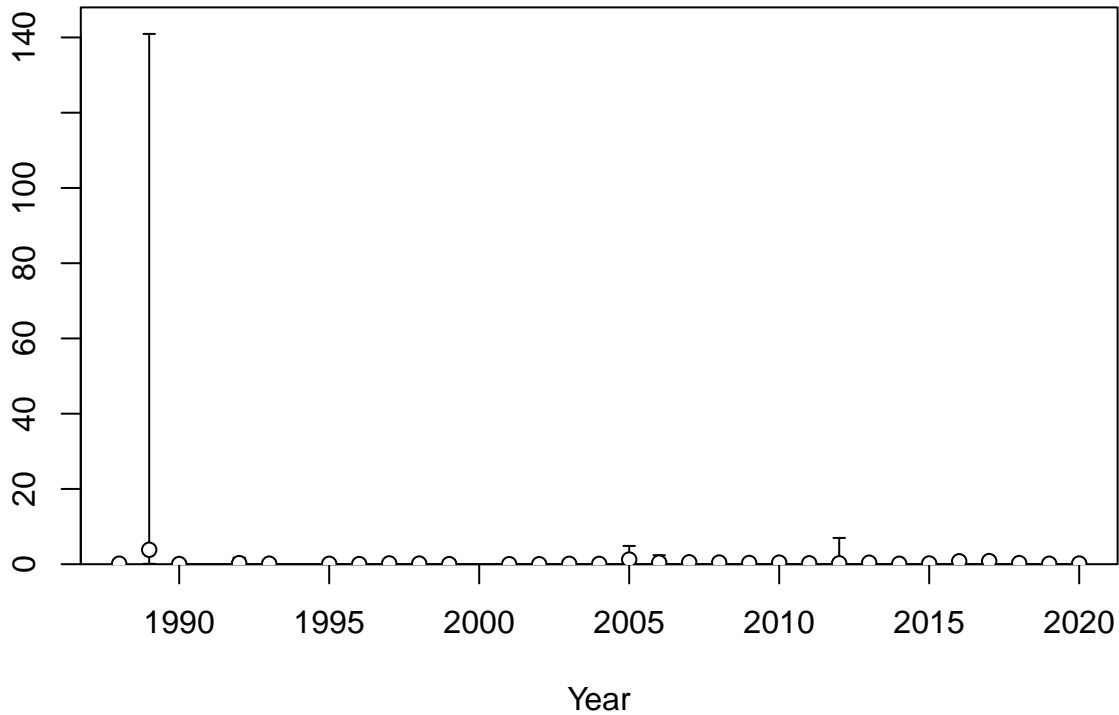
Fishing intensity: 1-SPR



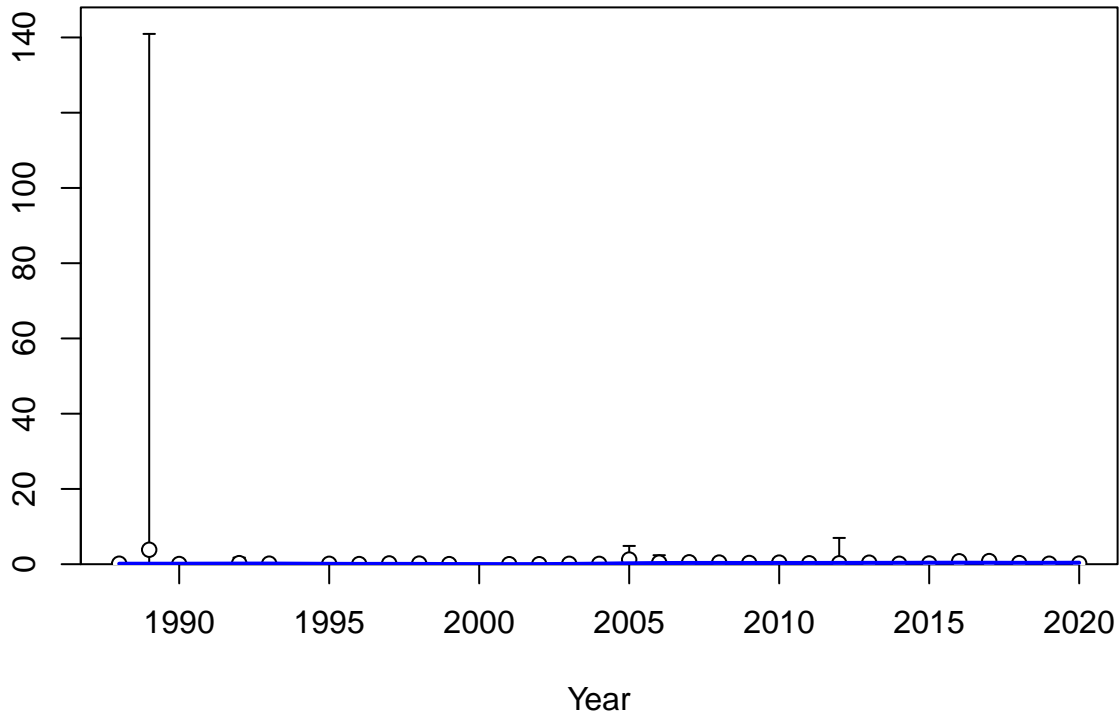
Fishing intensity: 1-SPR

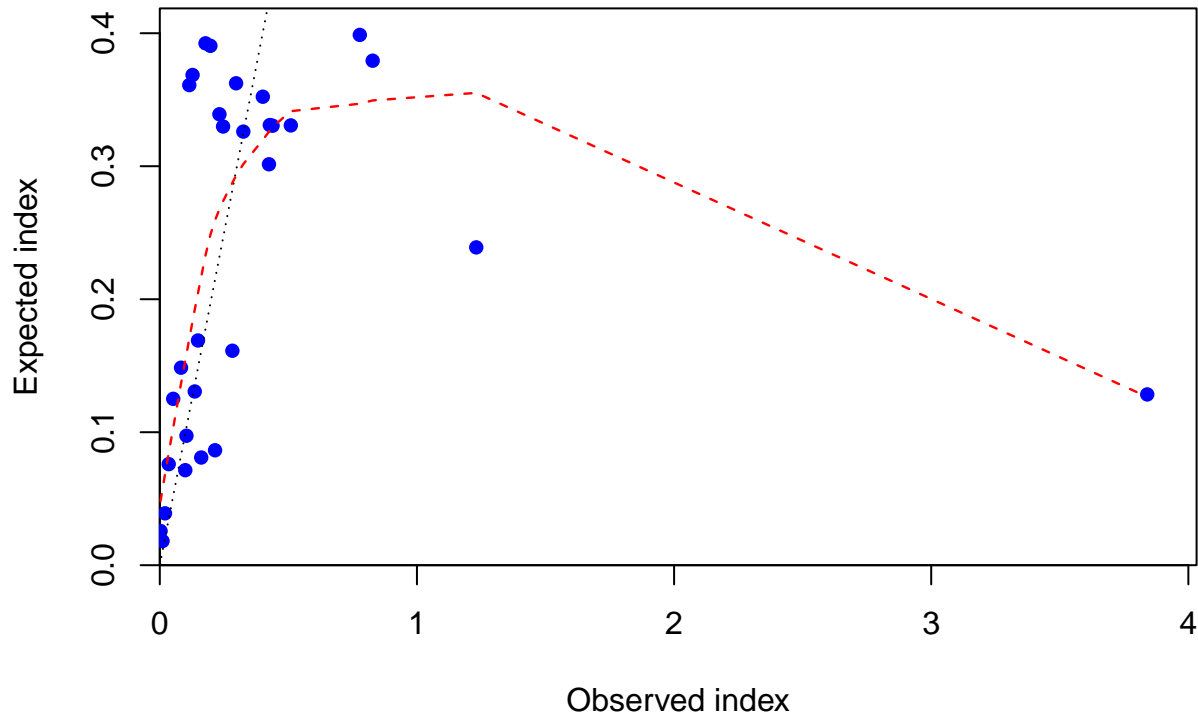


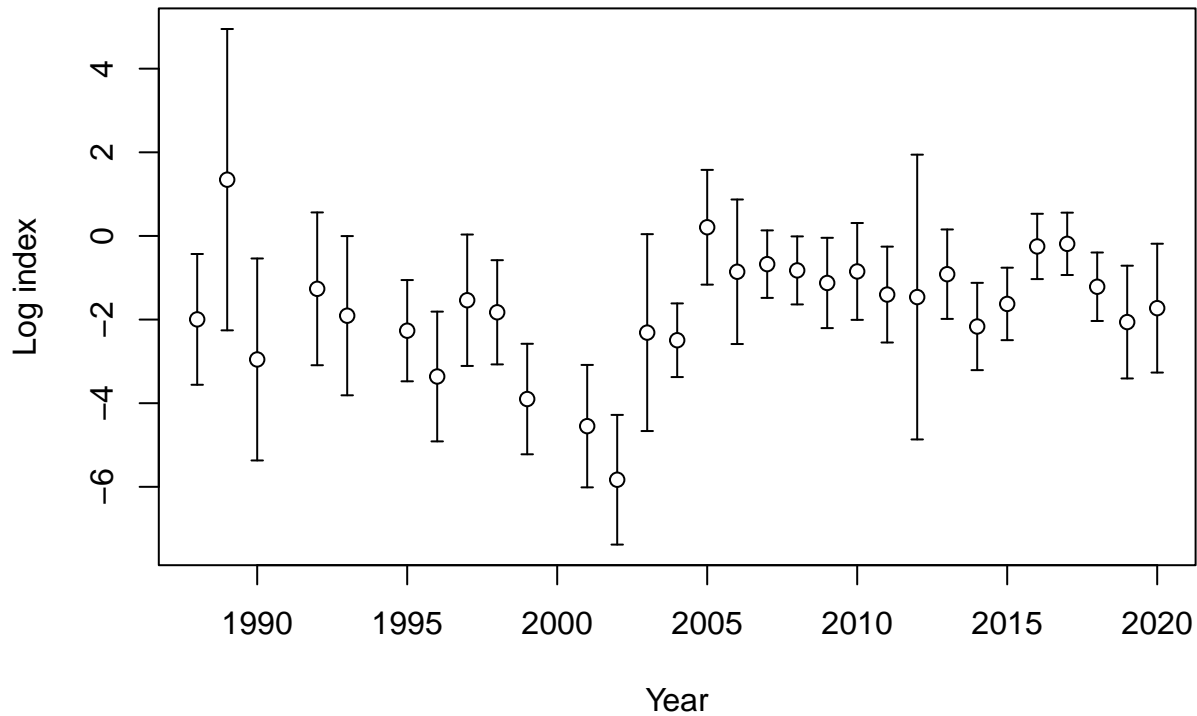
Index

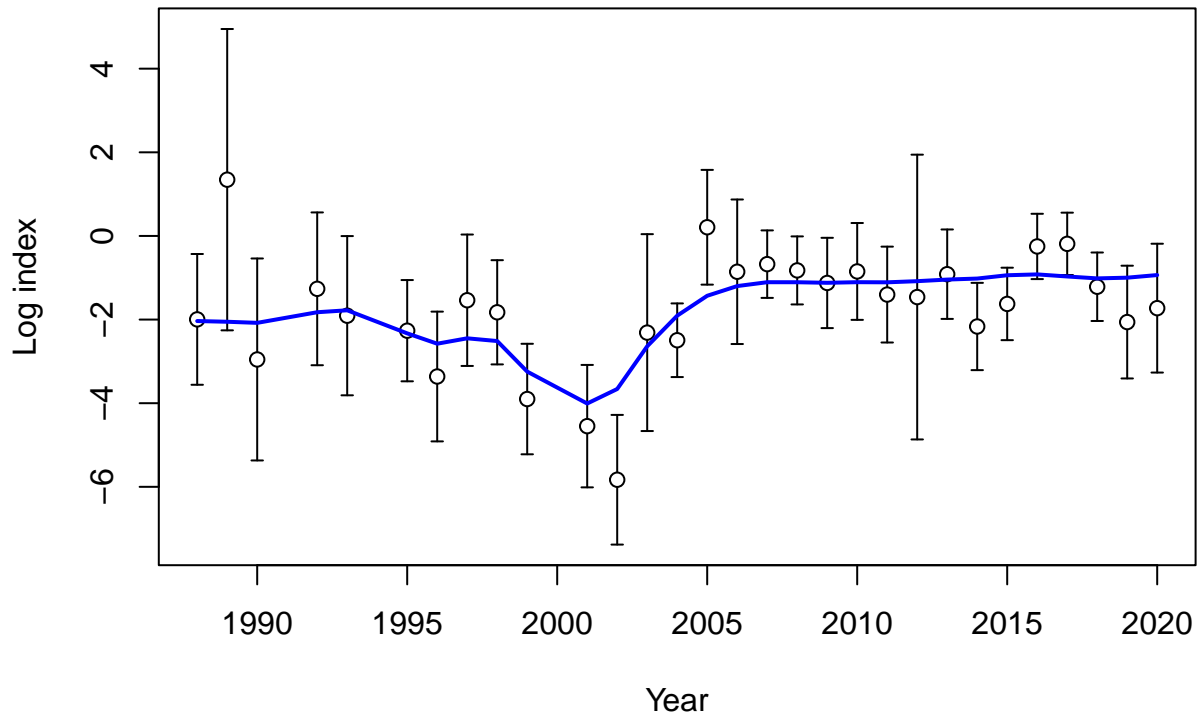


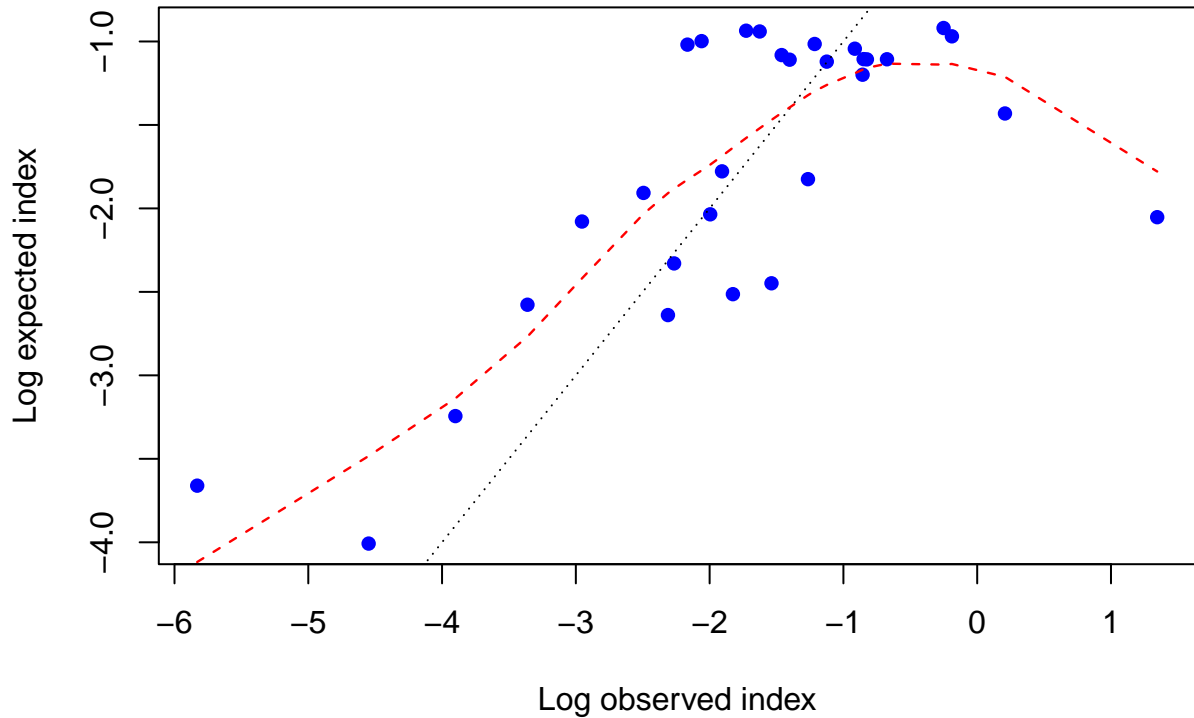
Index



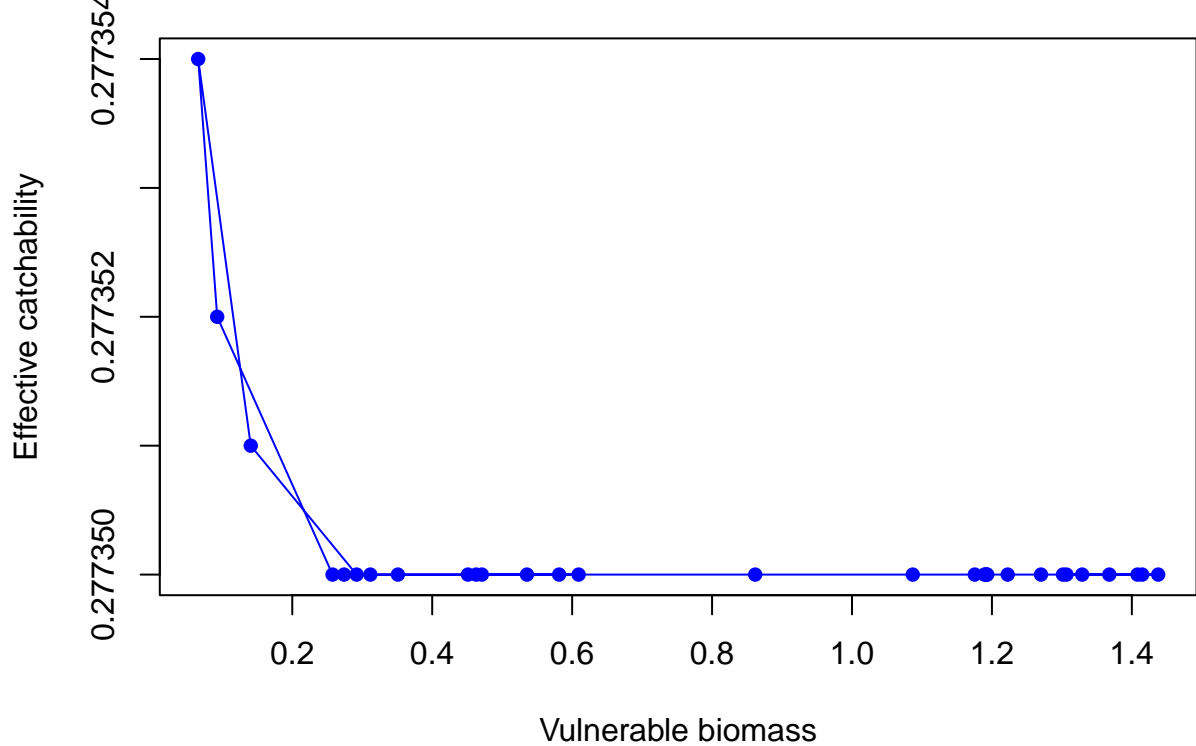


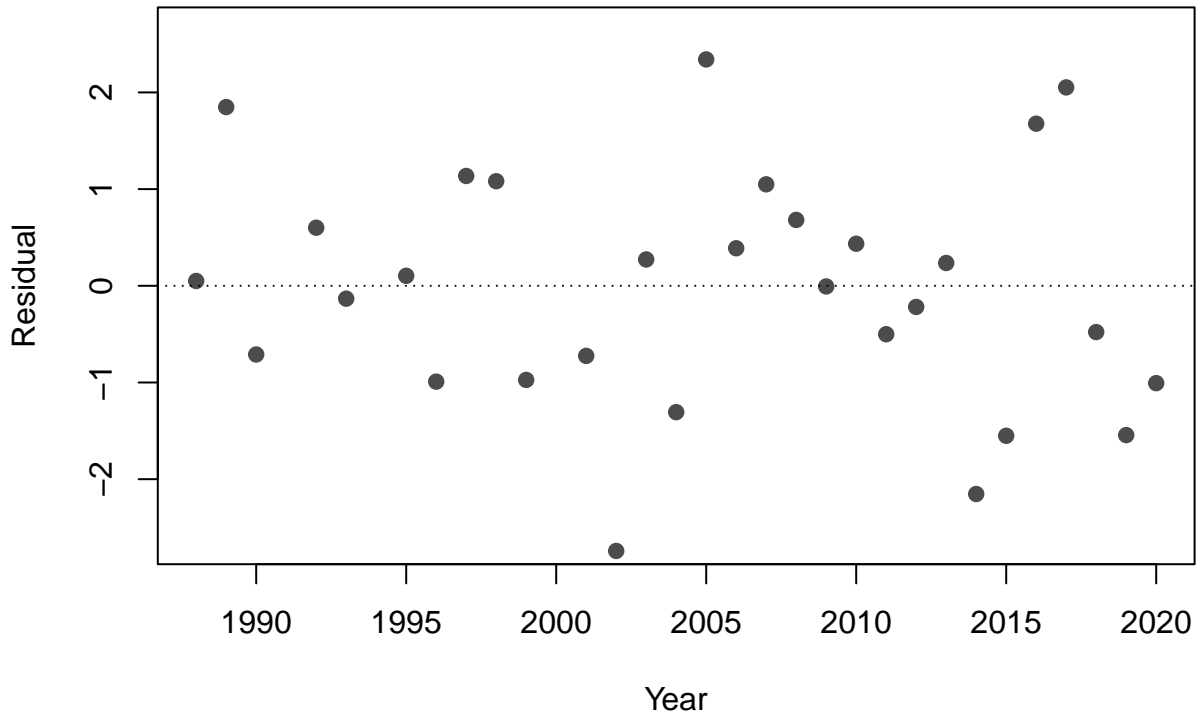


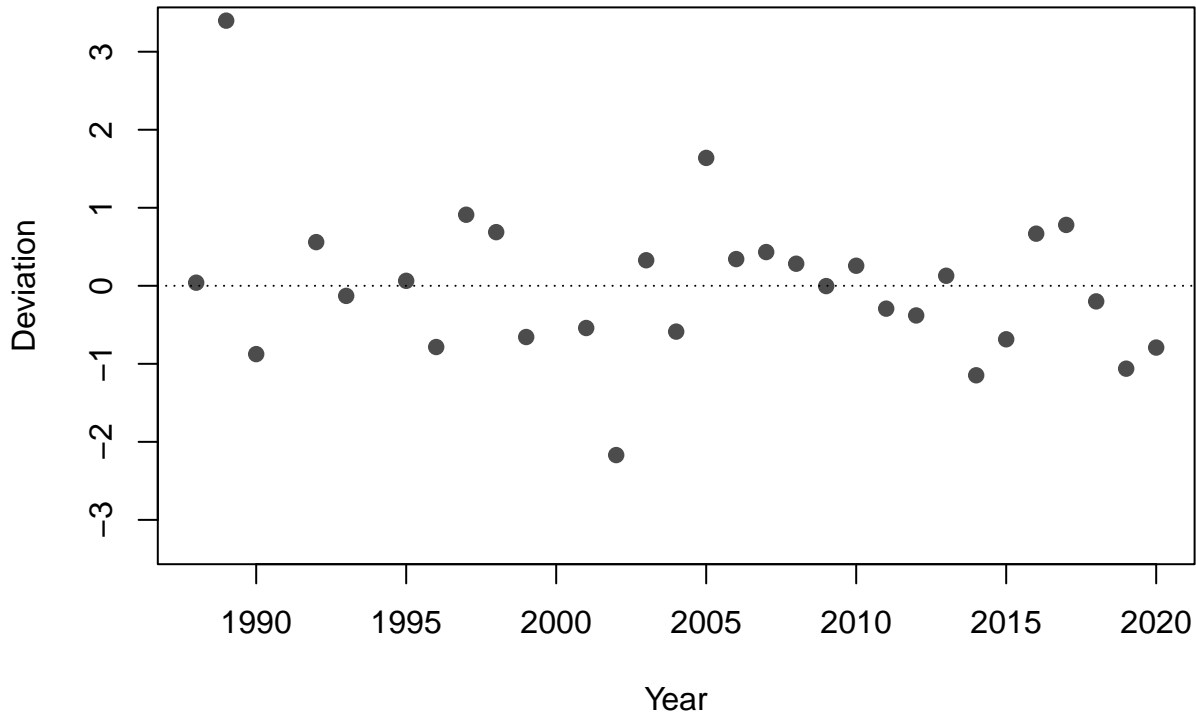




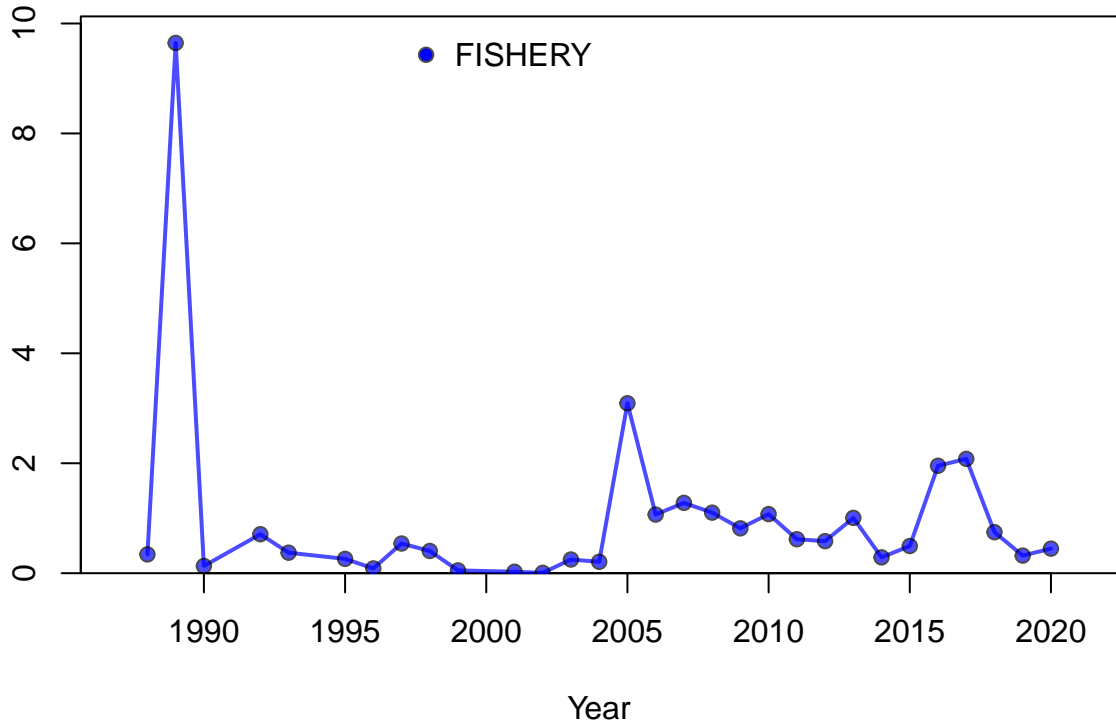


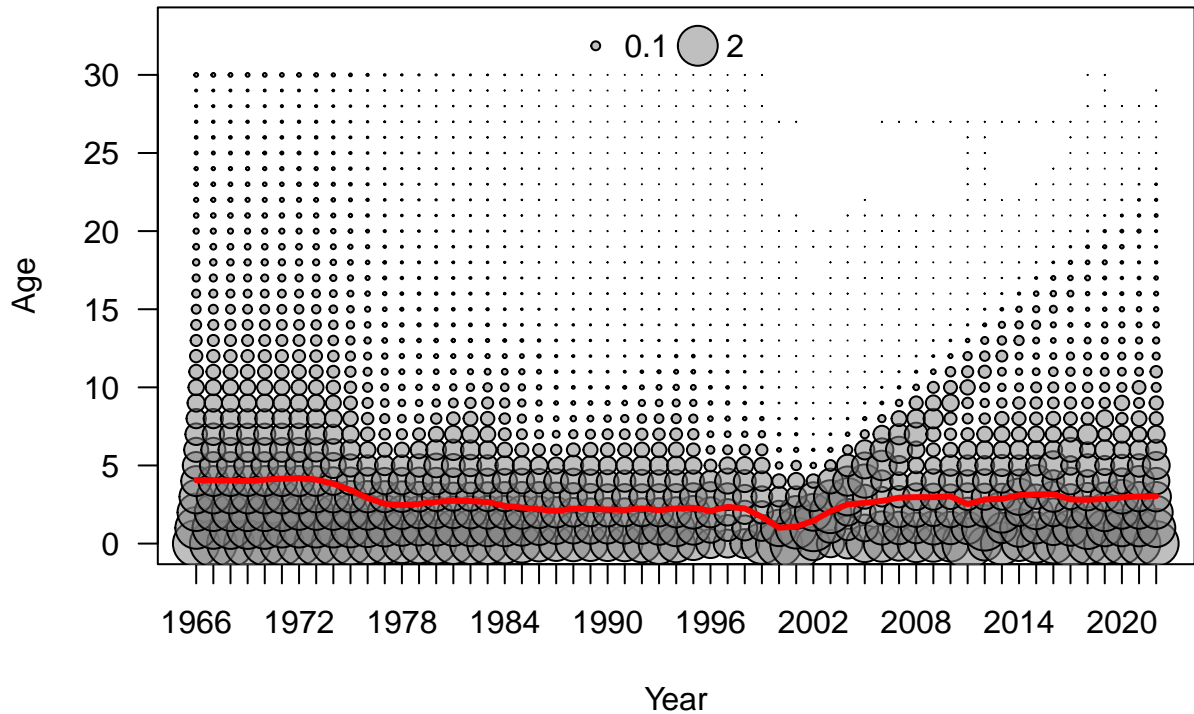


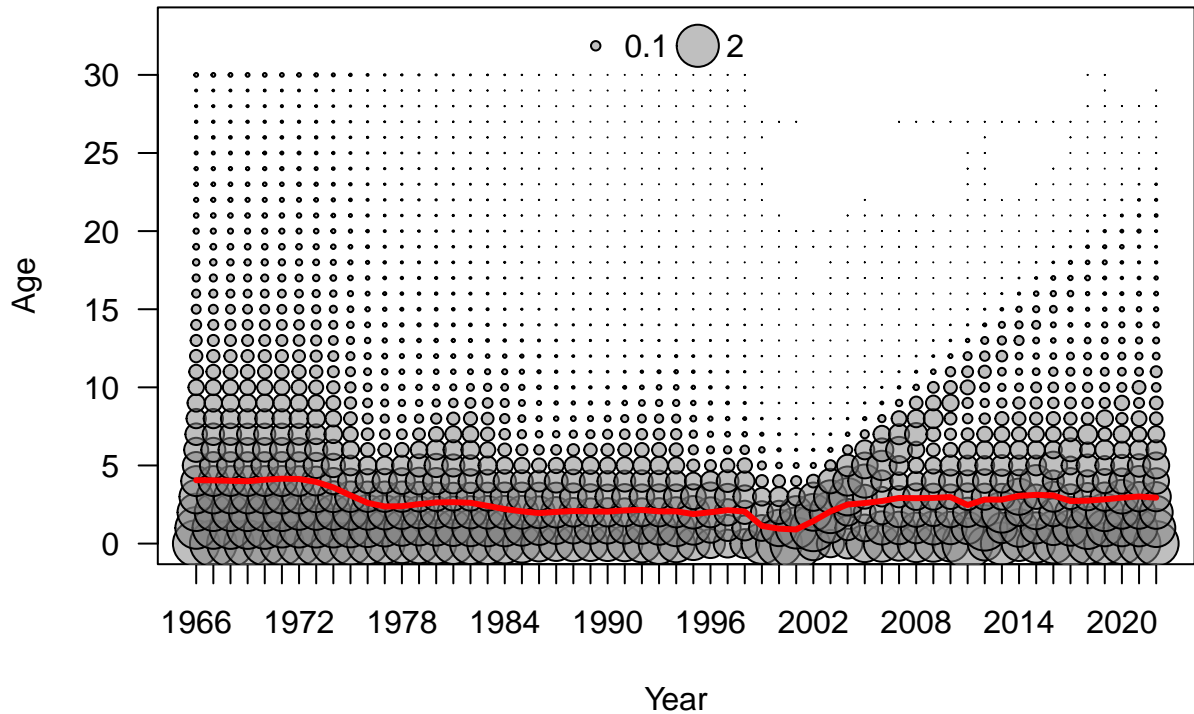


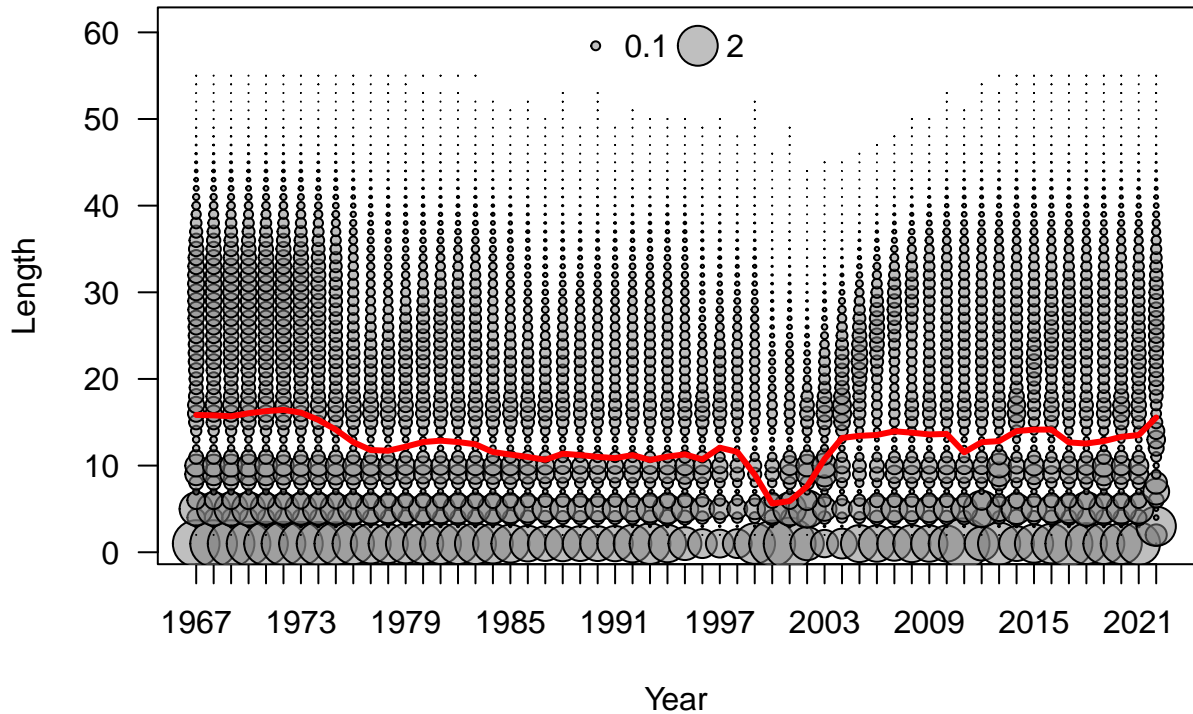


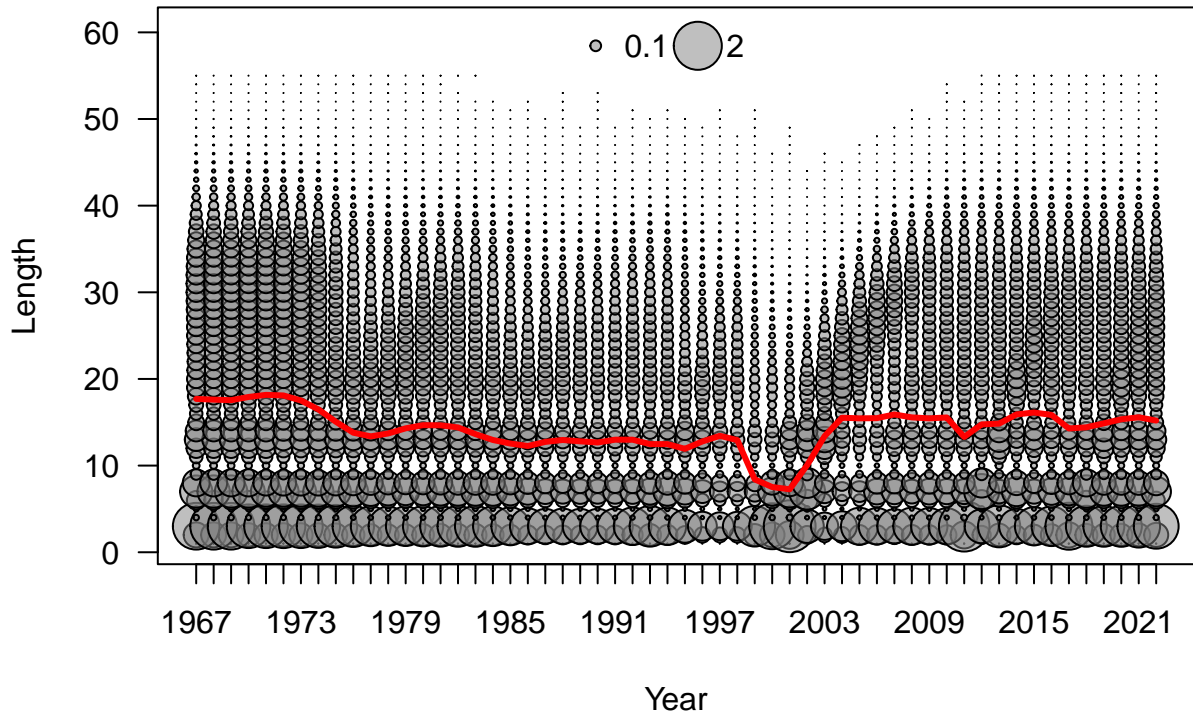
Standardized index



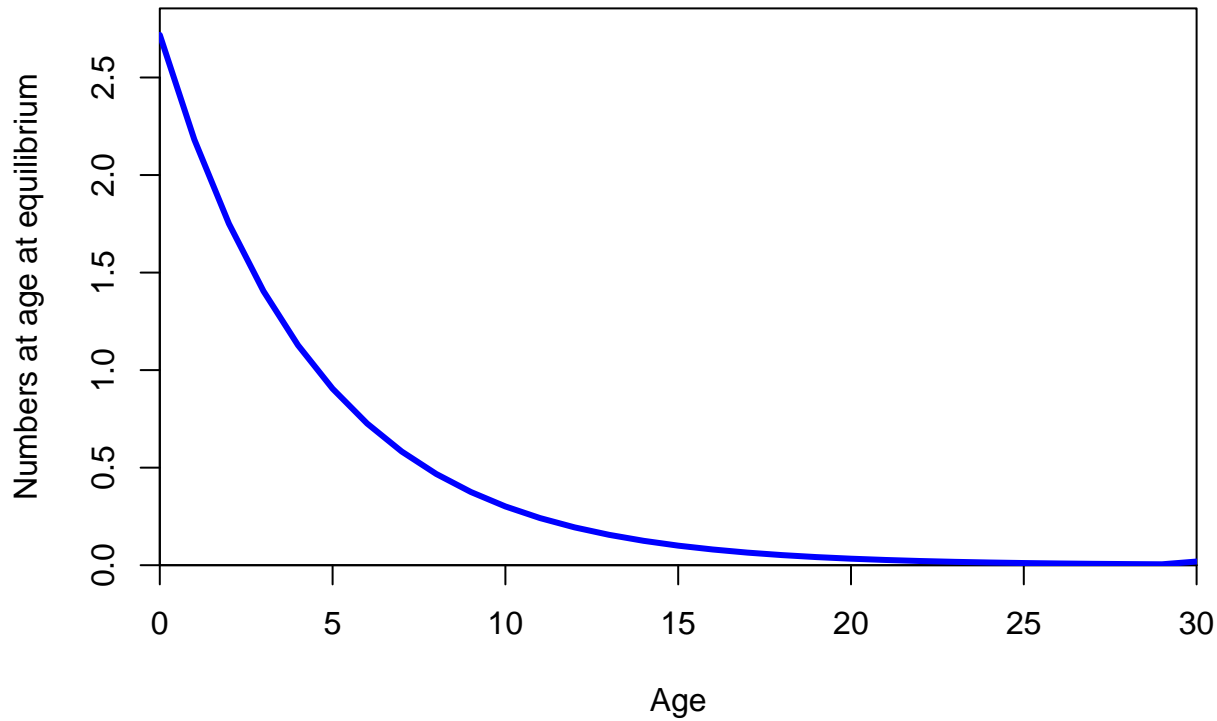


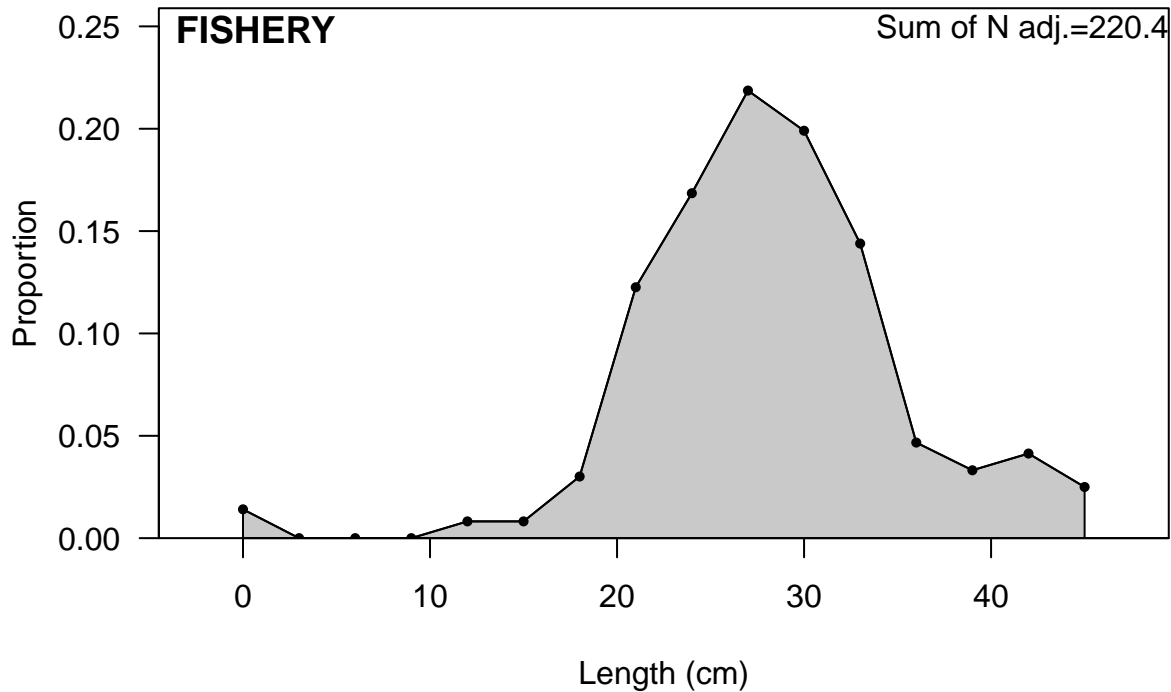


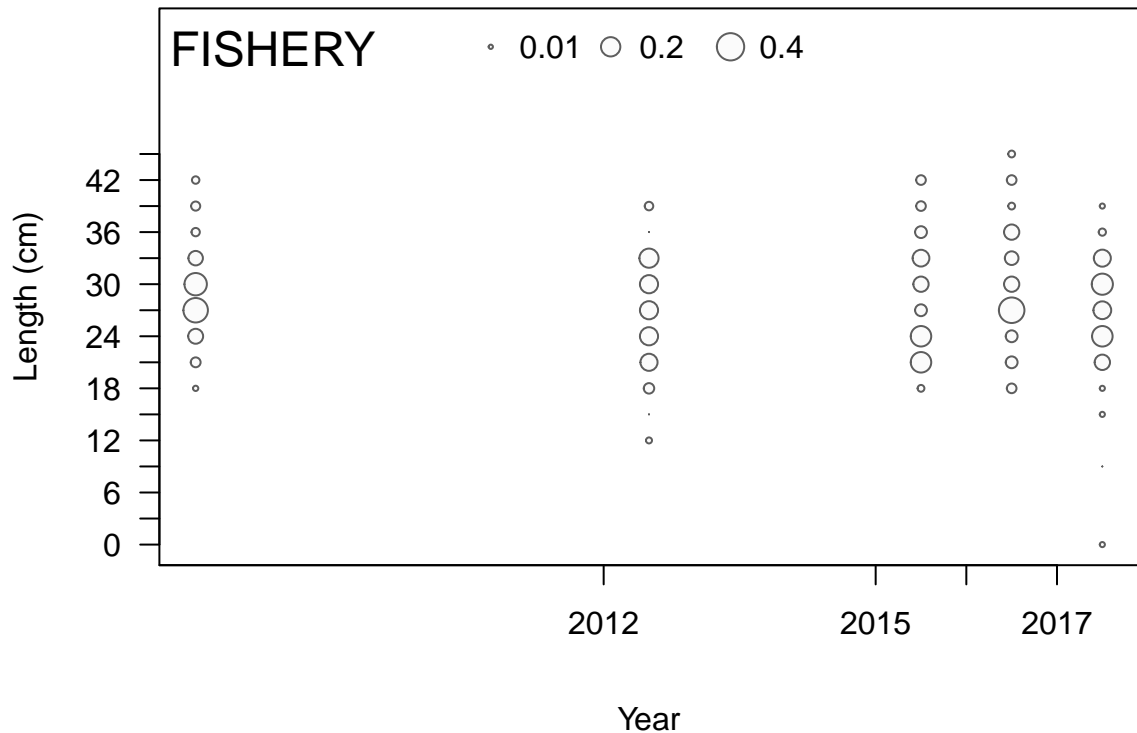




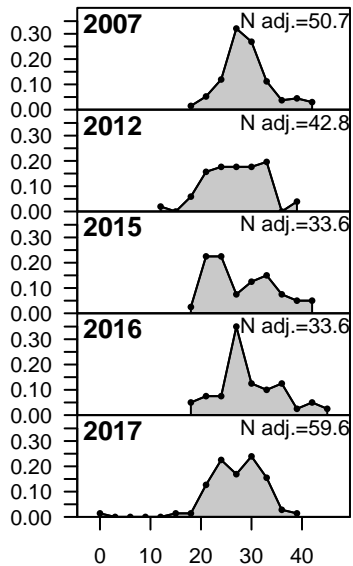




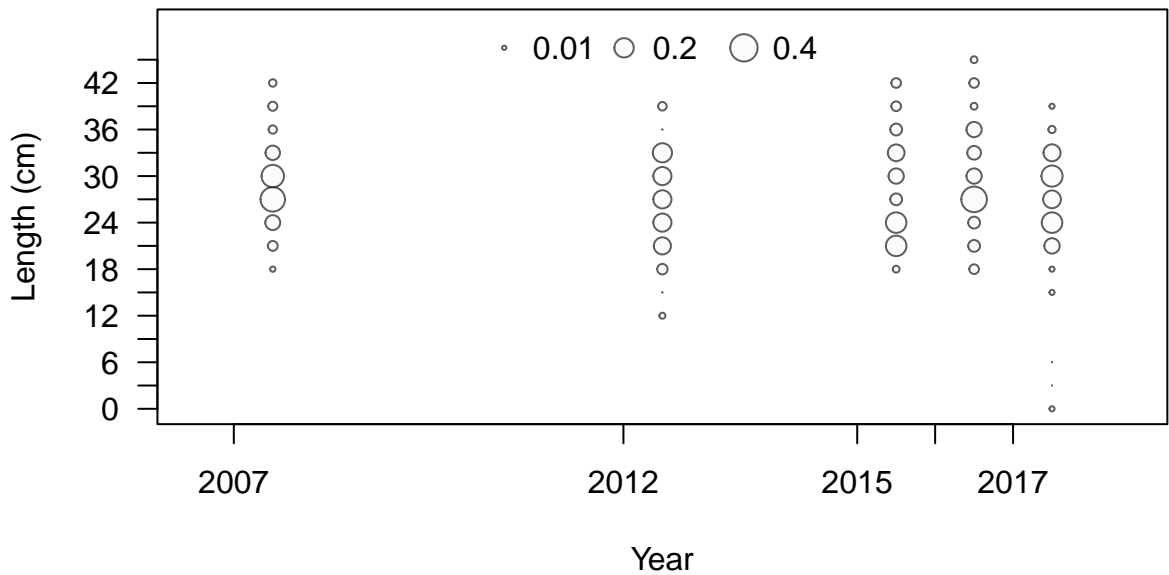




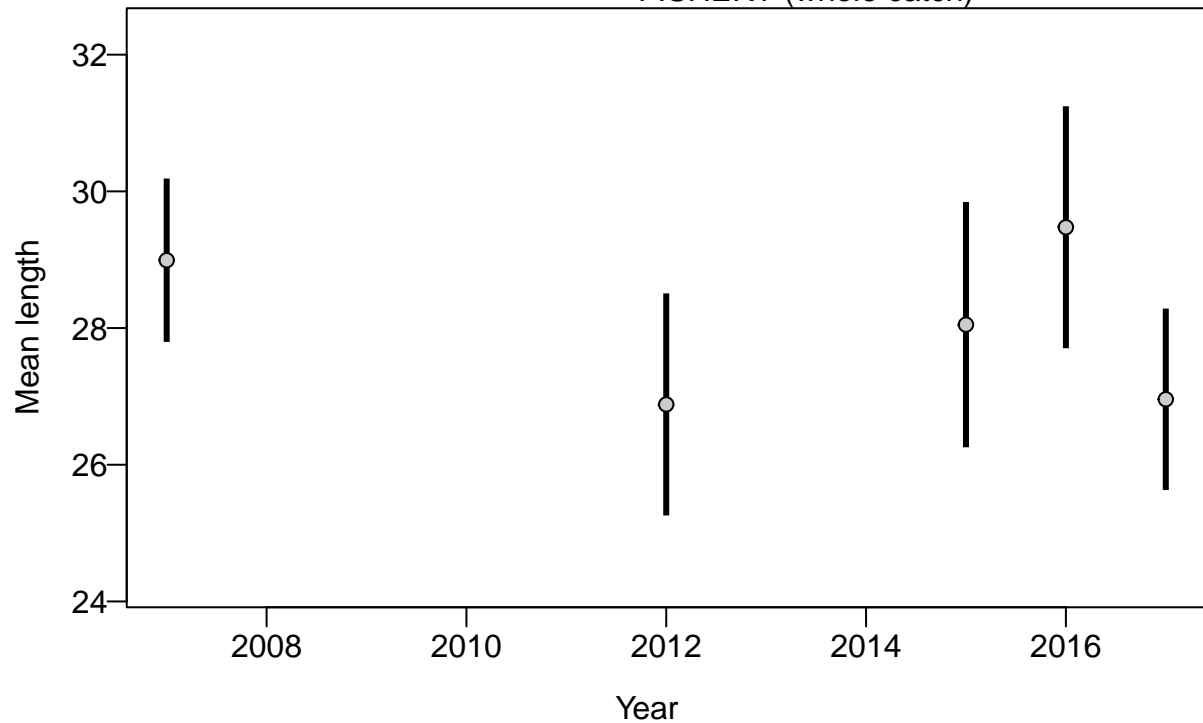
Proportion

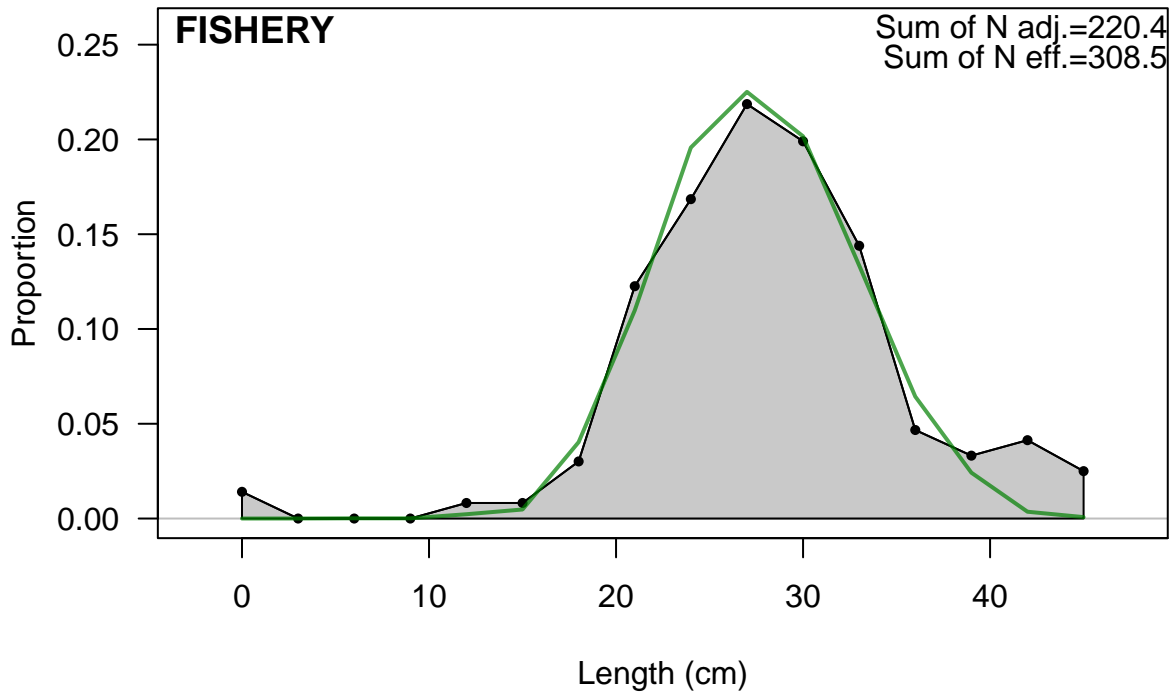


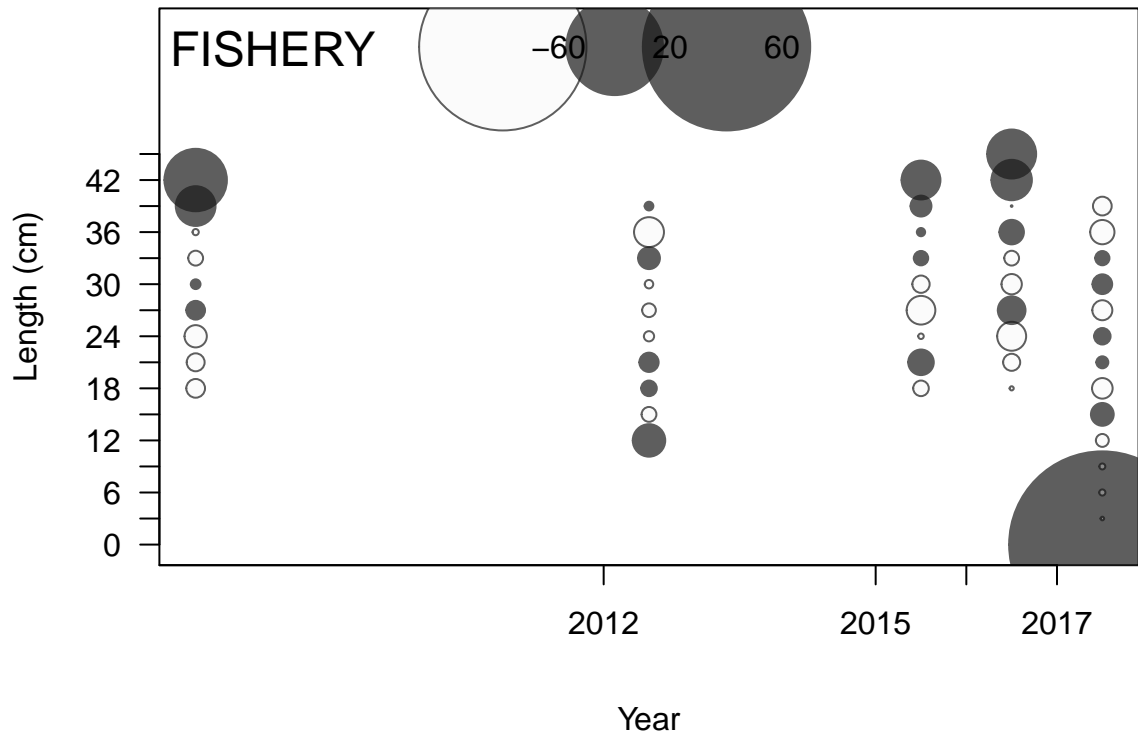
Length (cm)



FISHERY (whole catch)

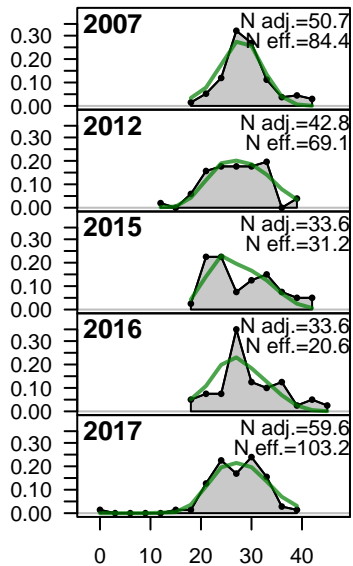




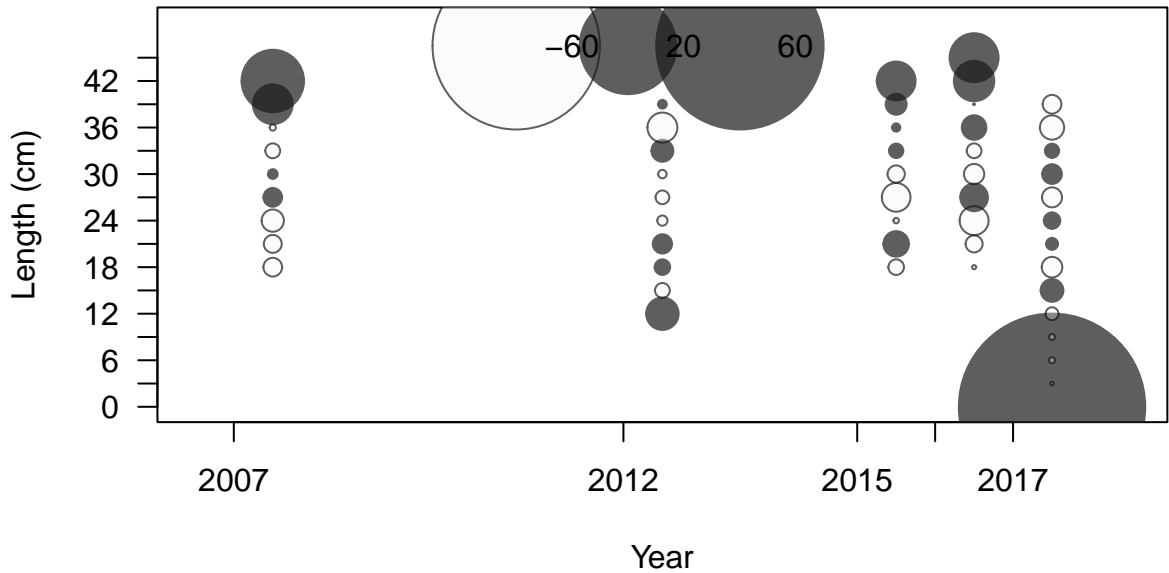




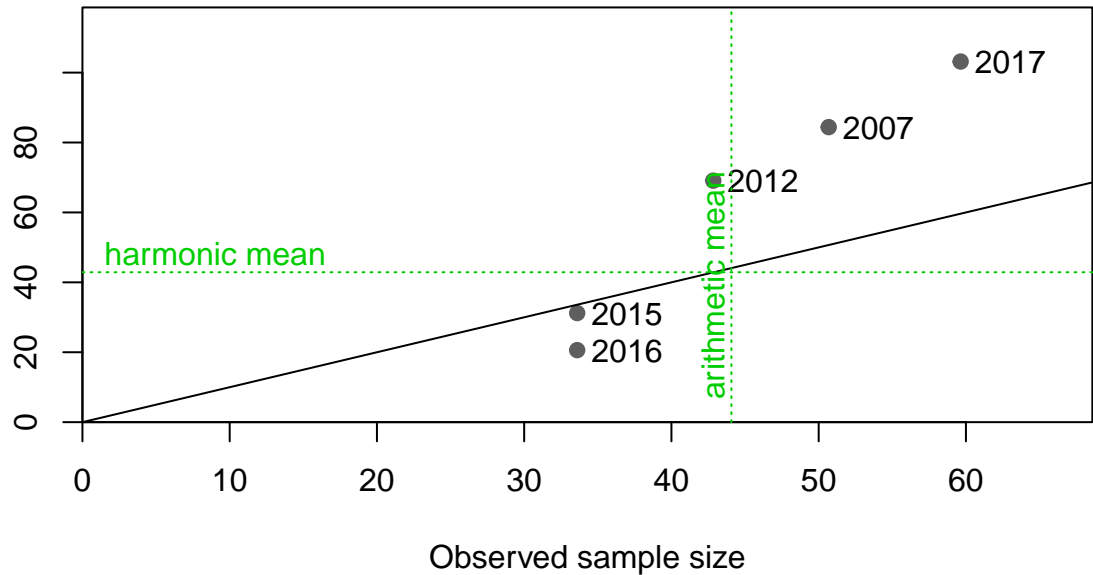
Proportion



Length (cm)



Effective sample size



# FISHERY (whole catch)

