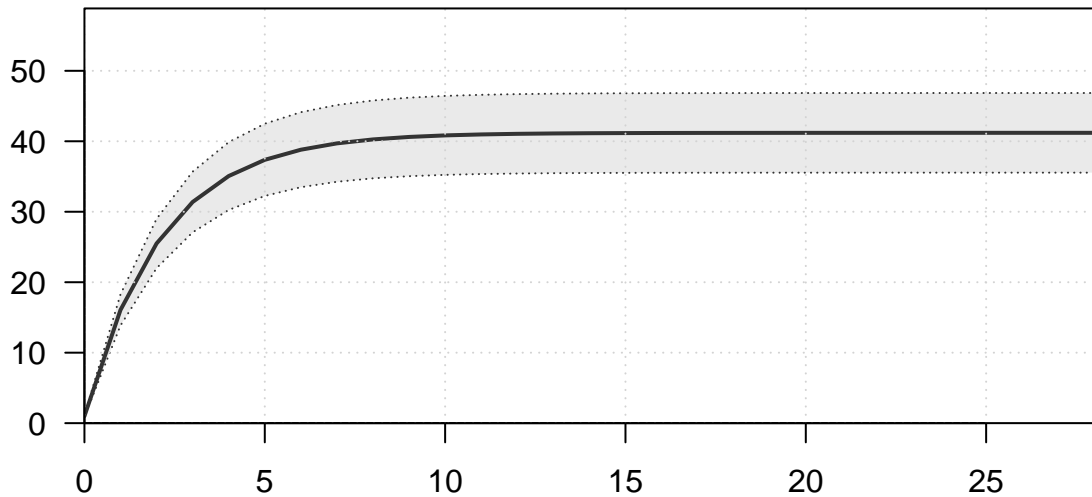
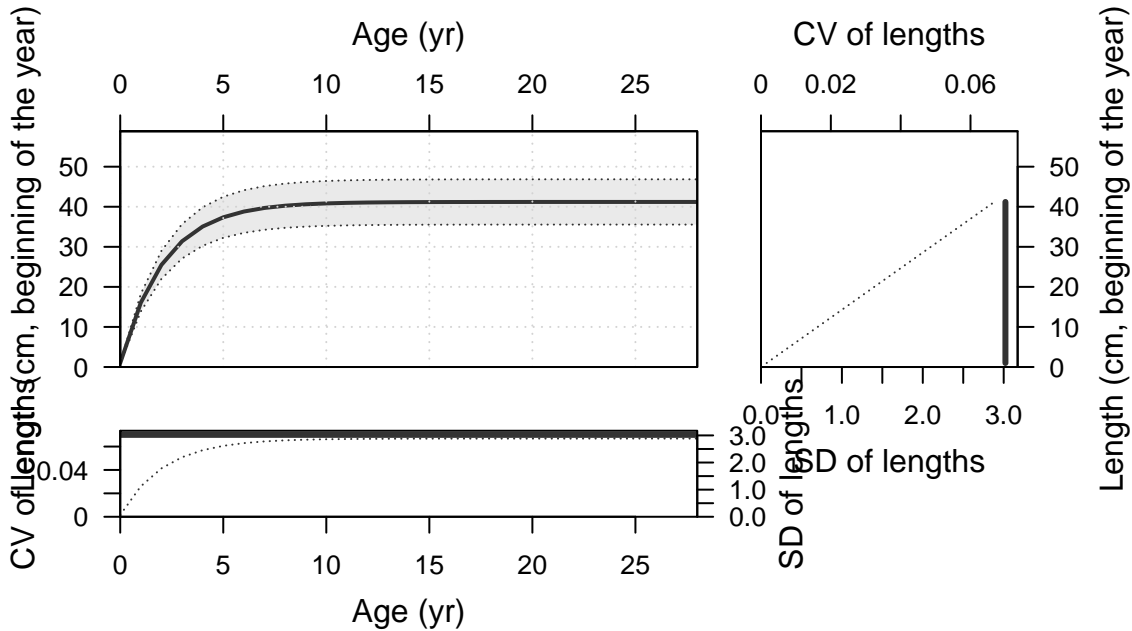


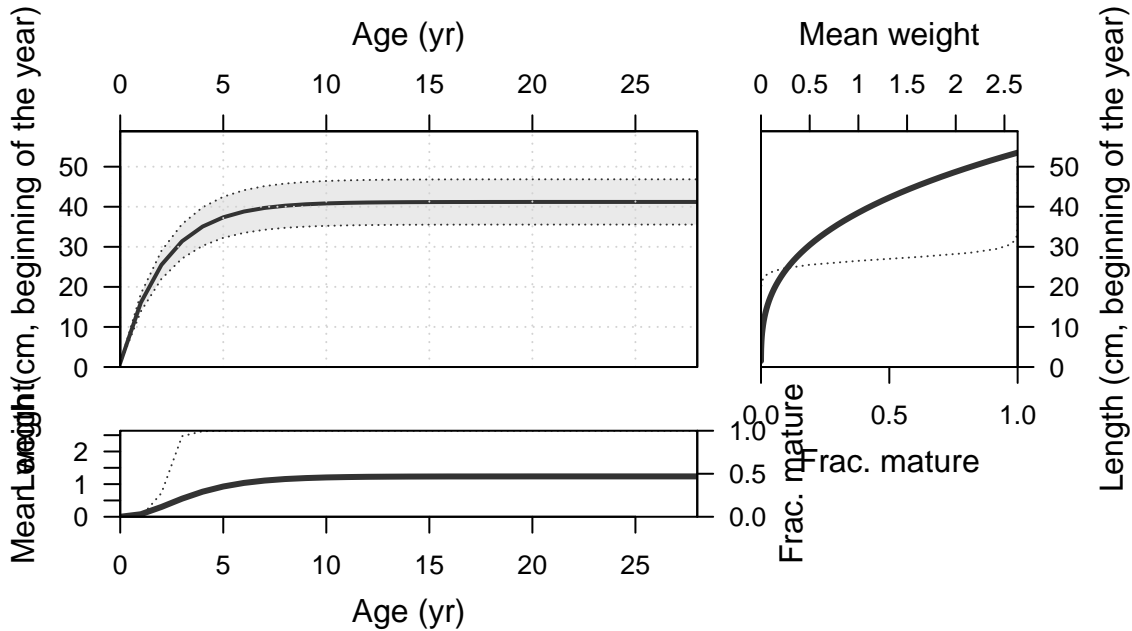
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Fri Aug 05 11:27:35 2022  
Data\_File: data.ss  
Control\_File: control.ss

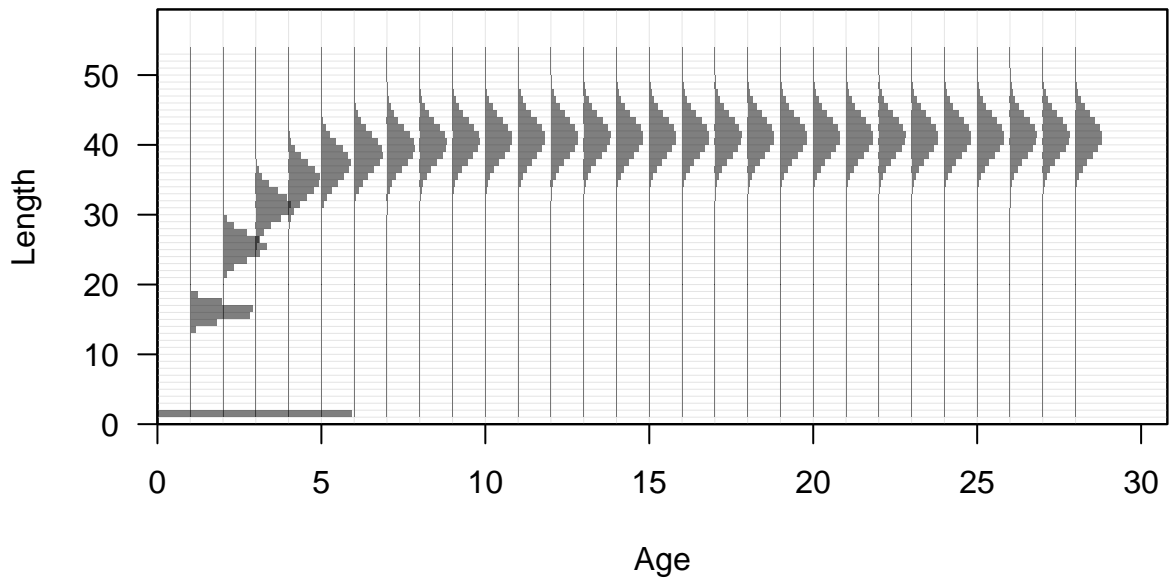
Length (cm, beginning of the year)

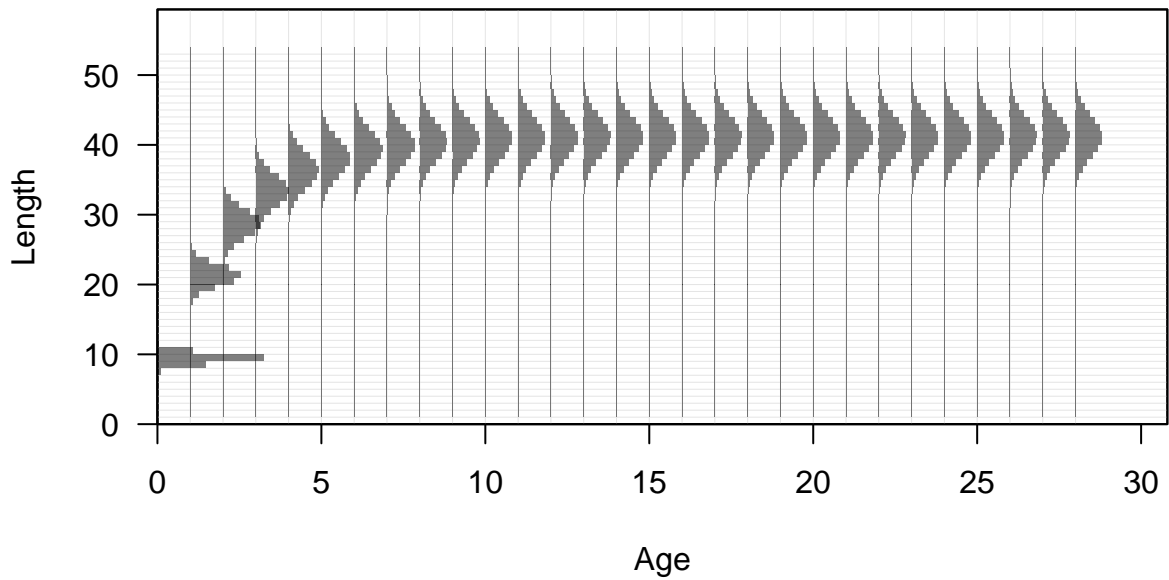


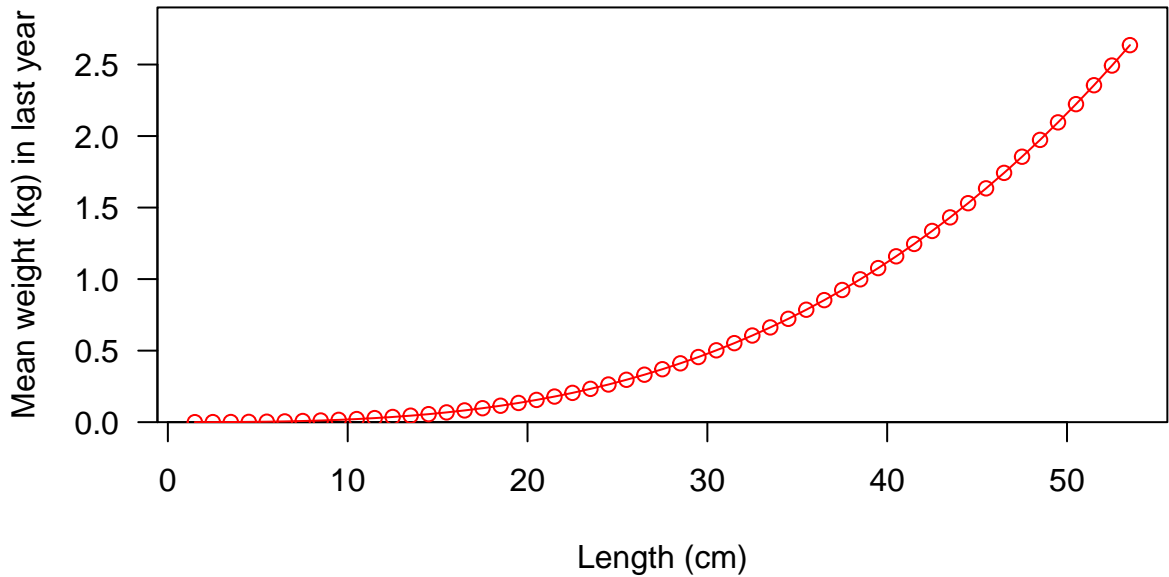
Age (yr)

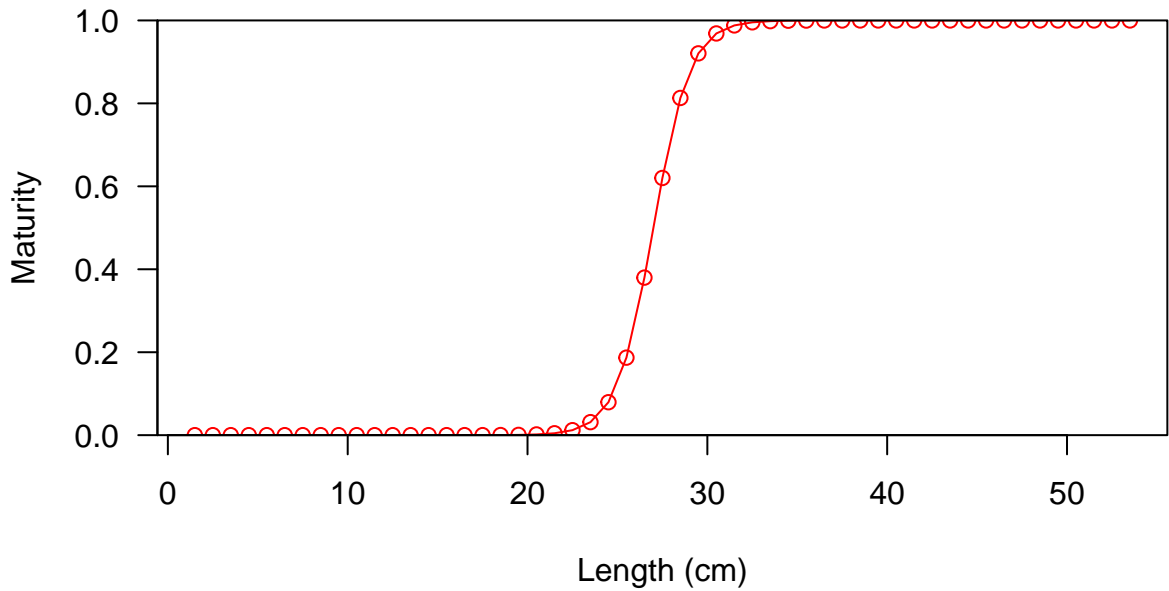




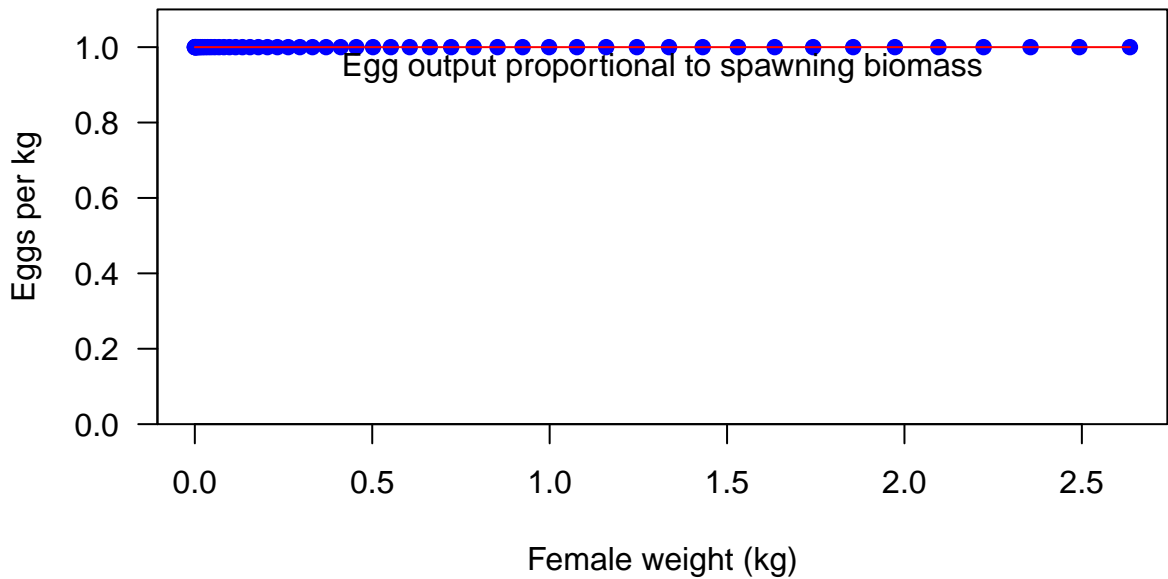


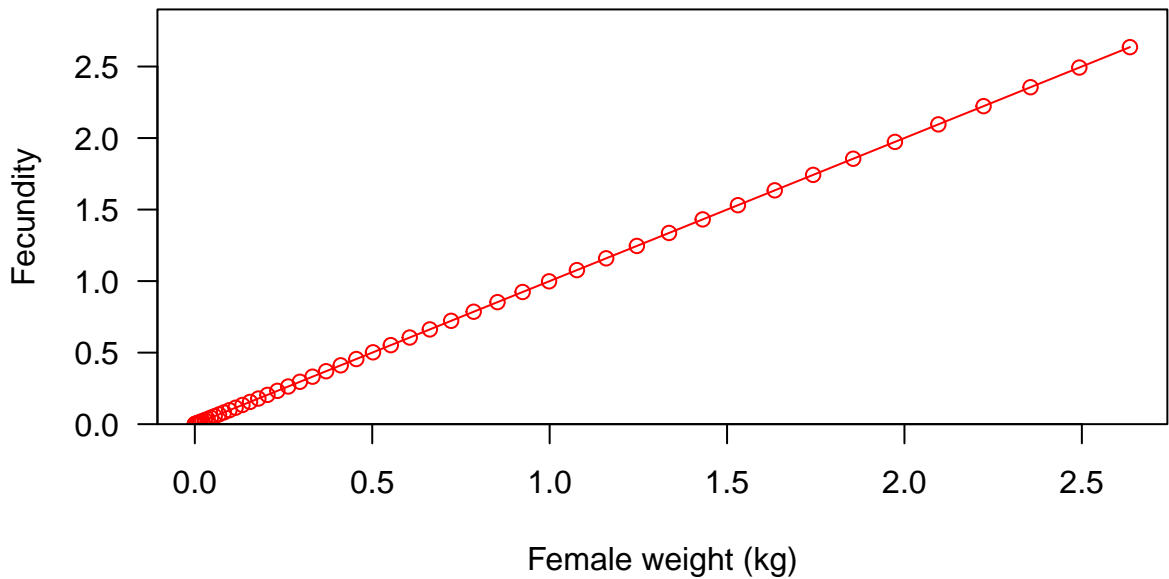


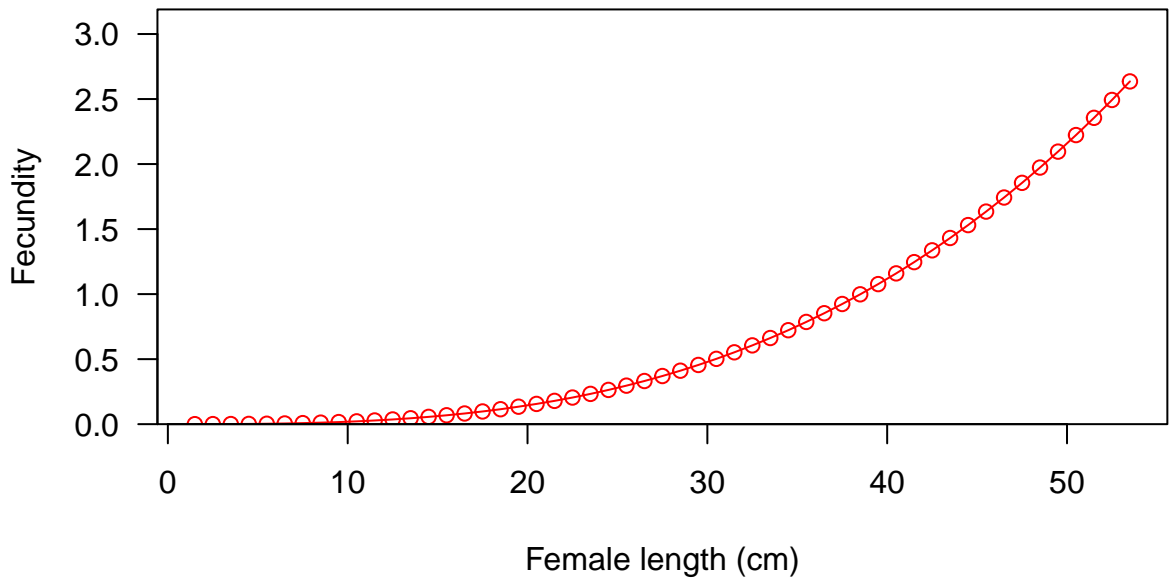


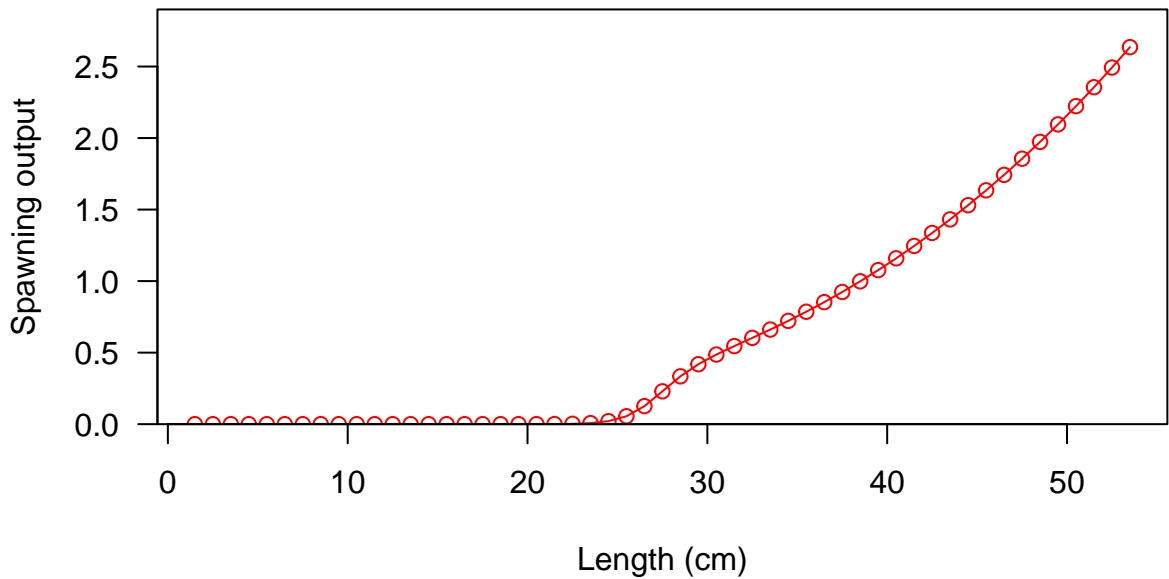


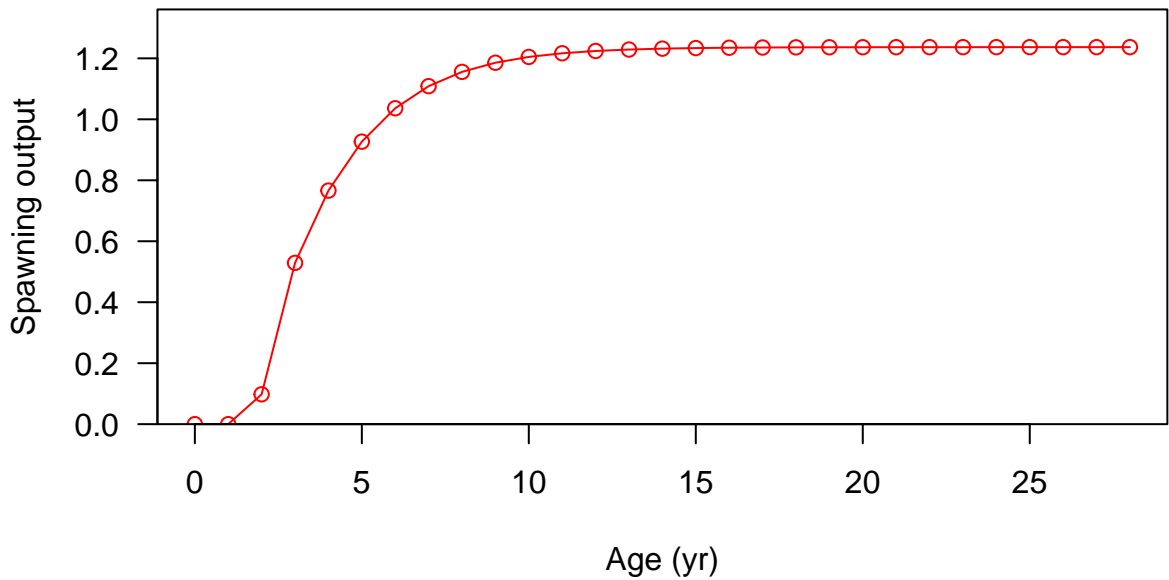




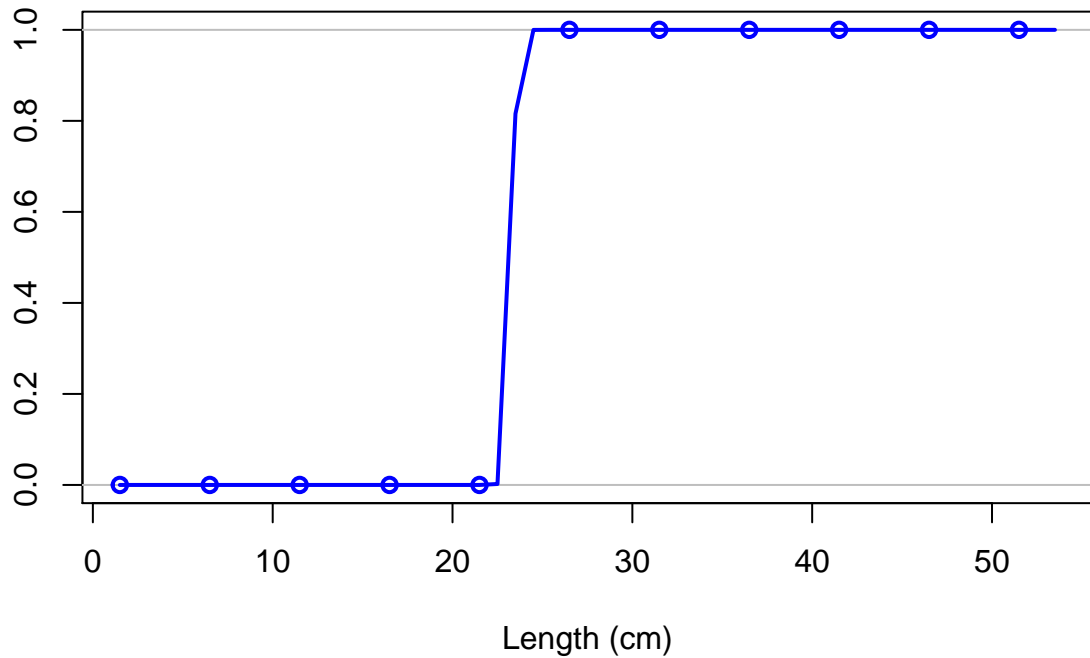




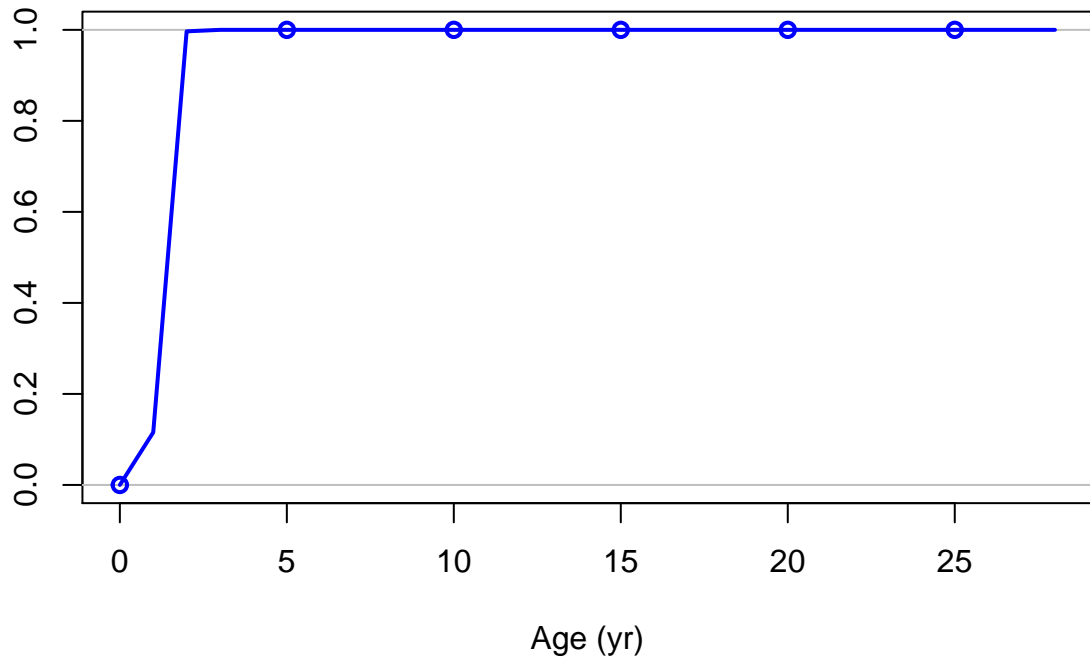




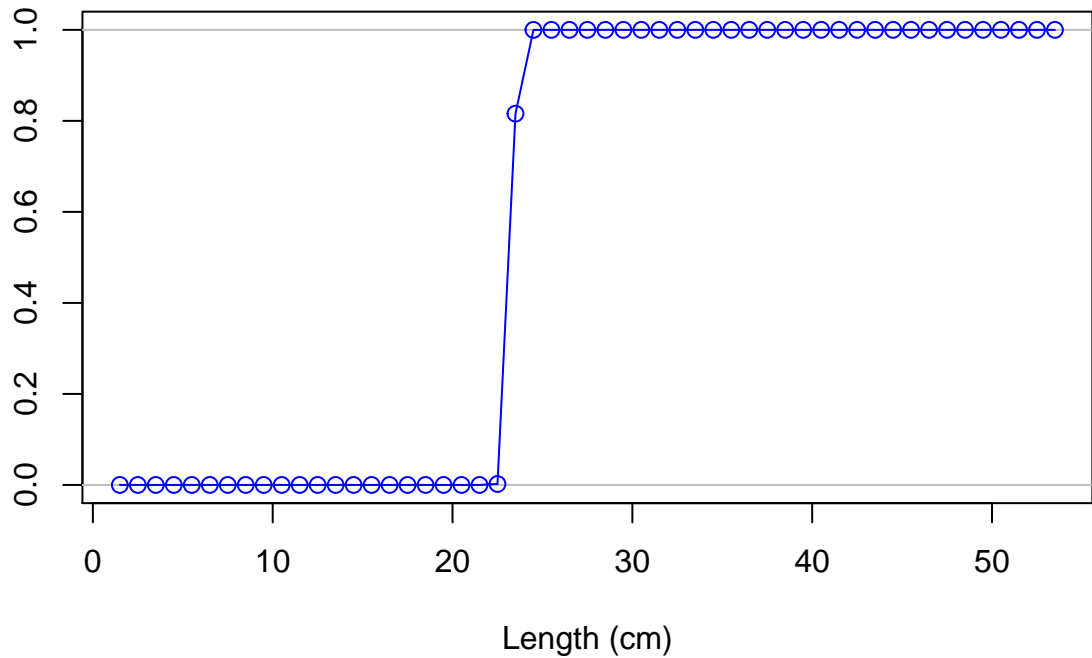
Selectivity



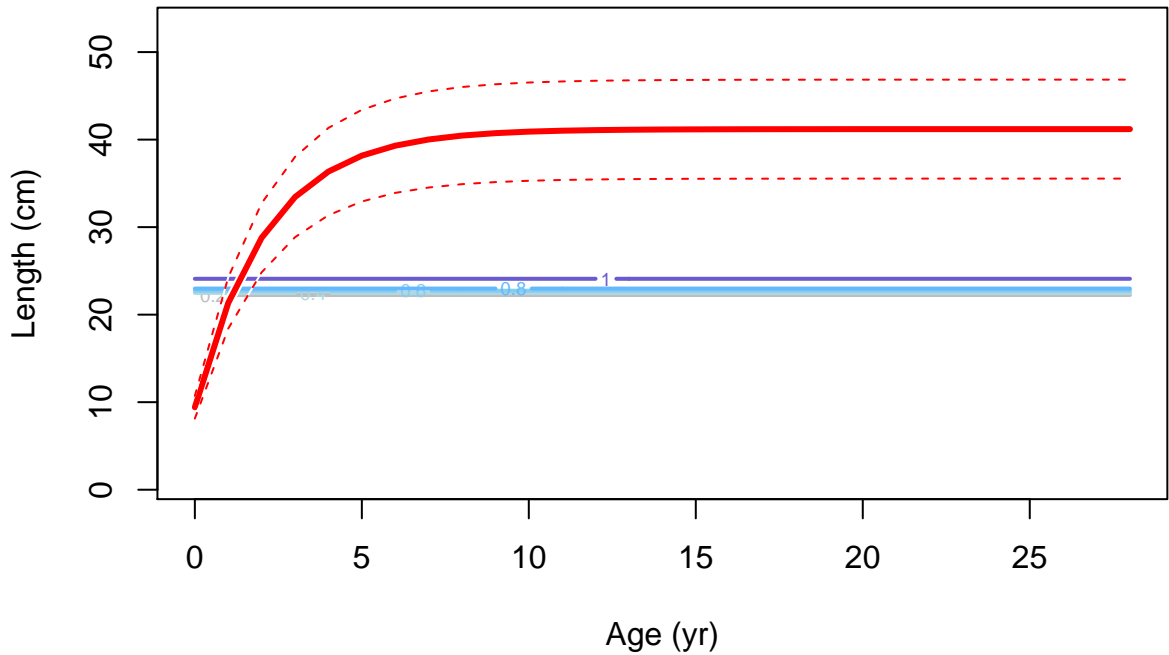
Selectivity

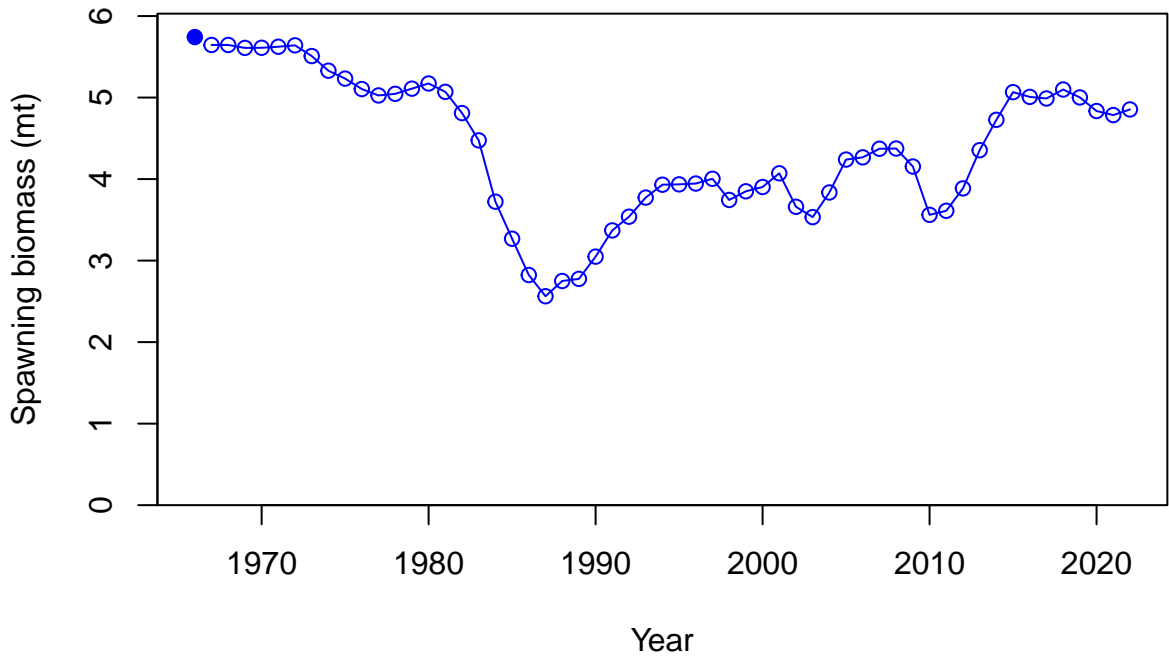


Selectivity

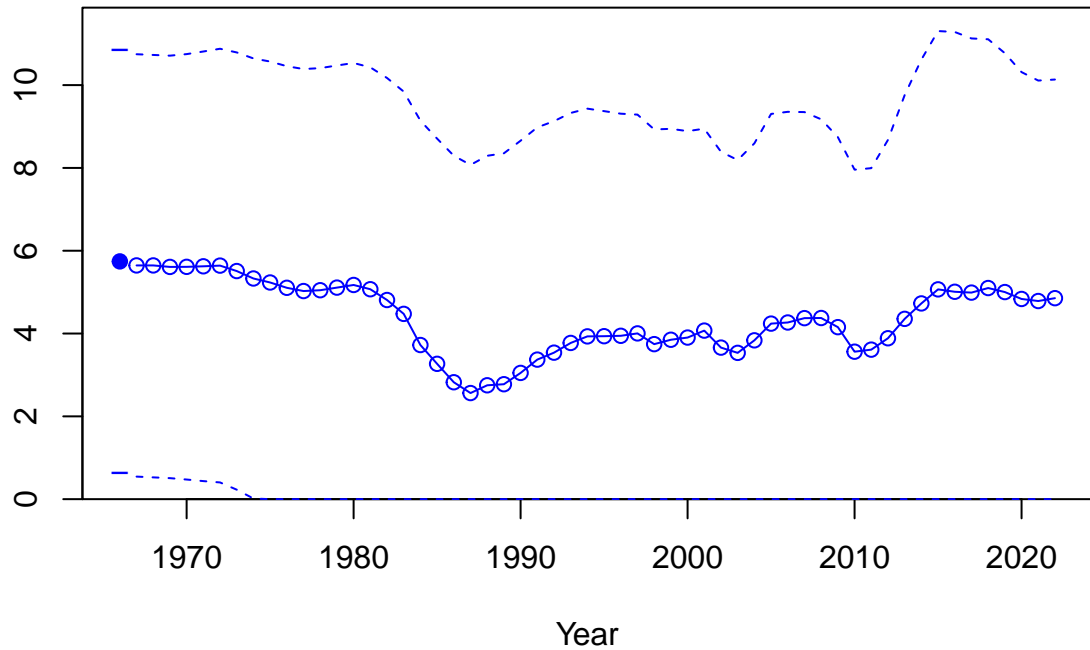




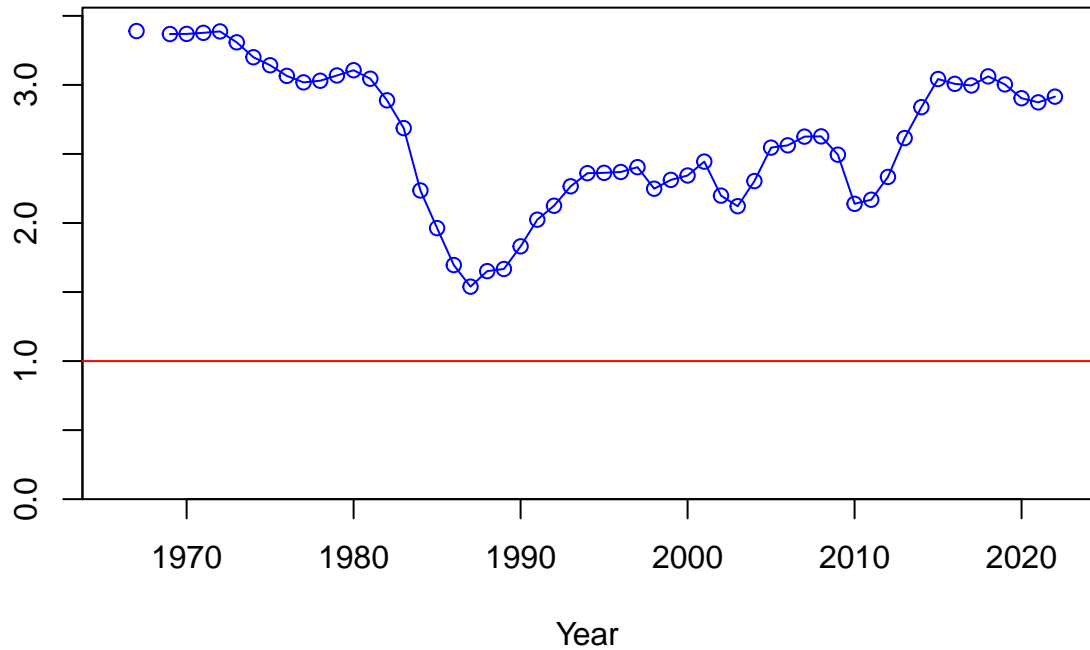




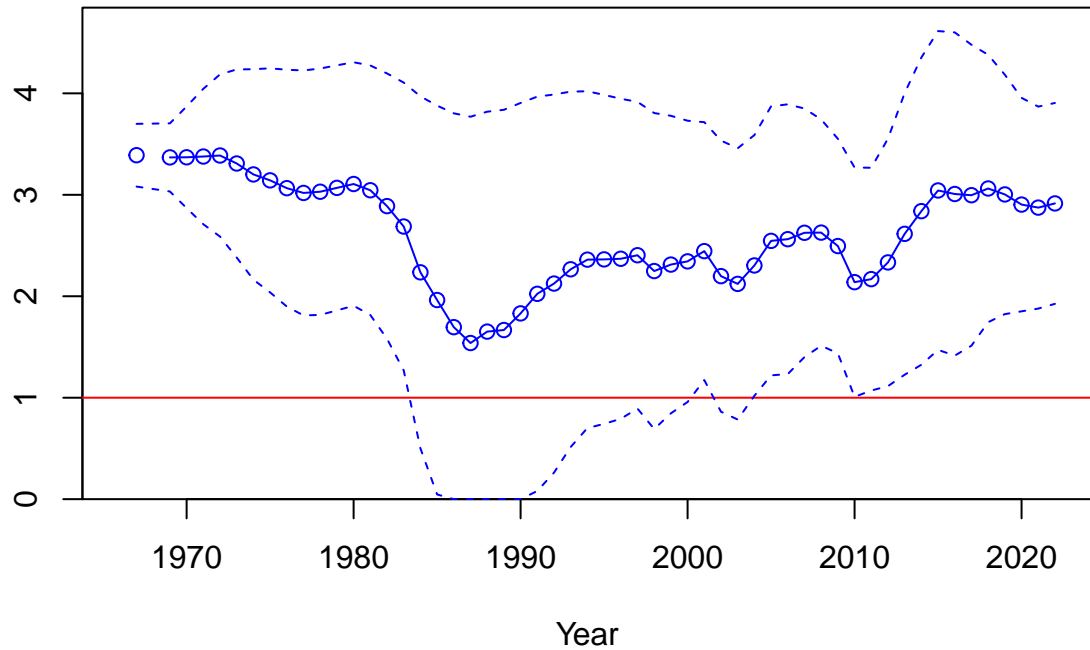
Spawning biomass (mt)

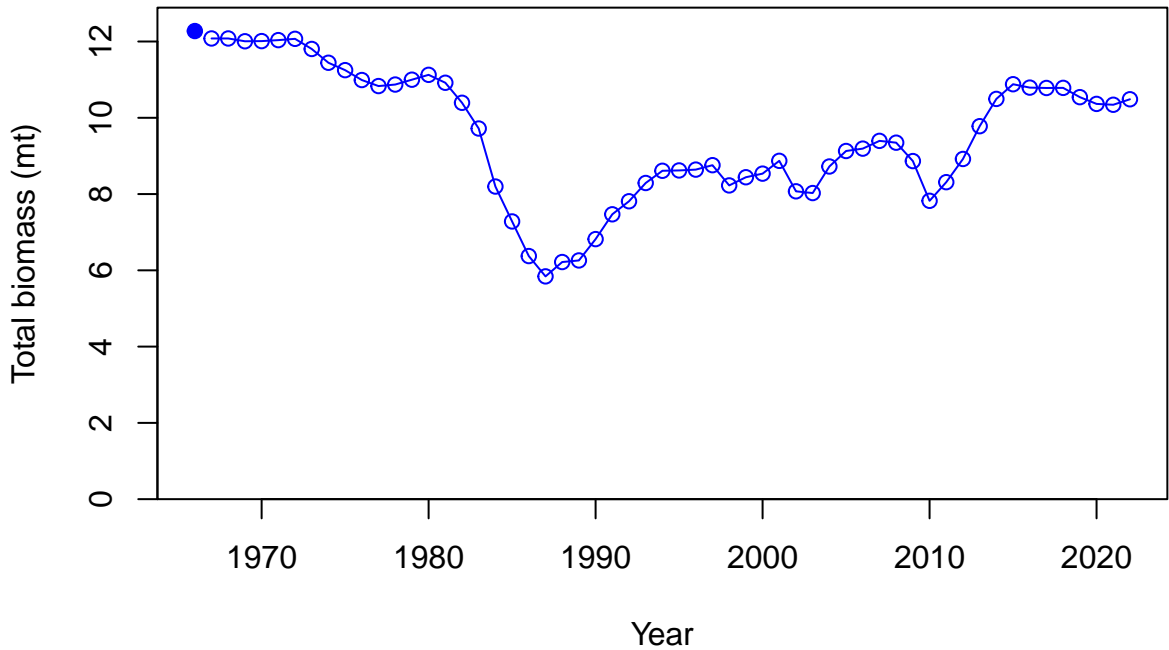


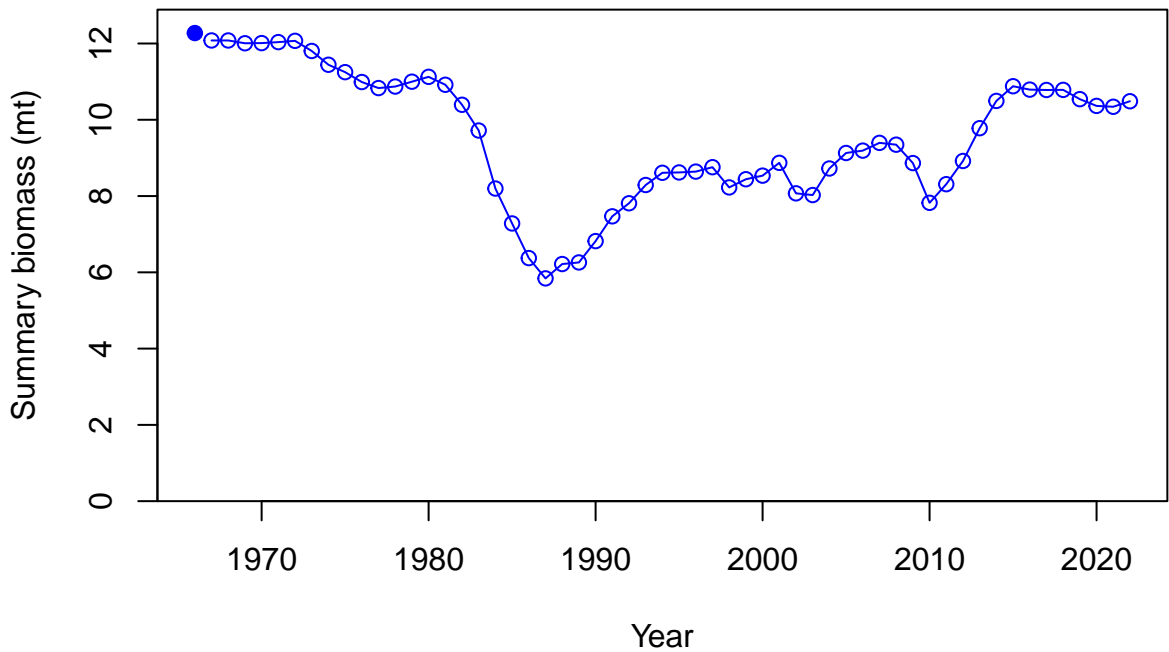
Relative spawning biomass:  $B/B_{MSY}$



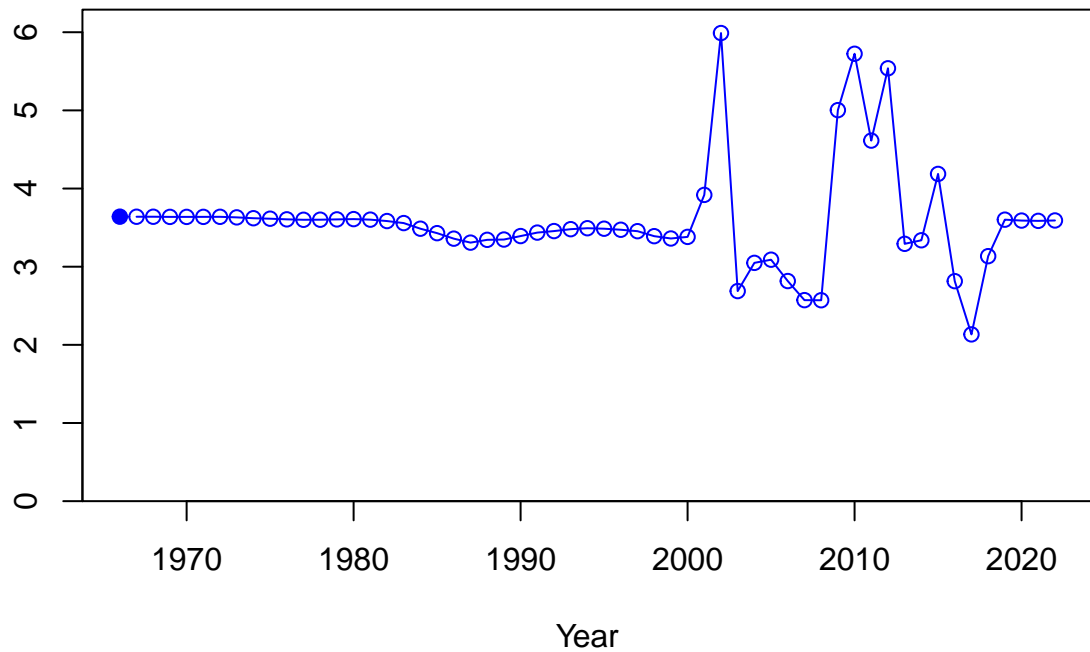
Relative spawning biomass:  $B/B_{MSY}$



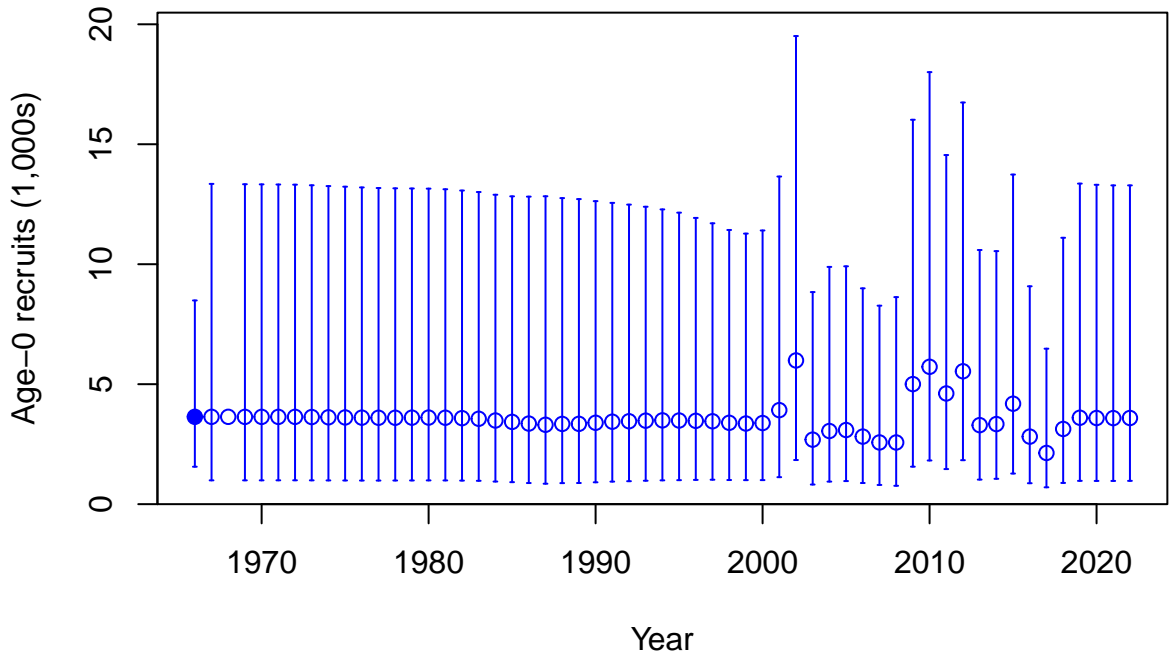




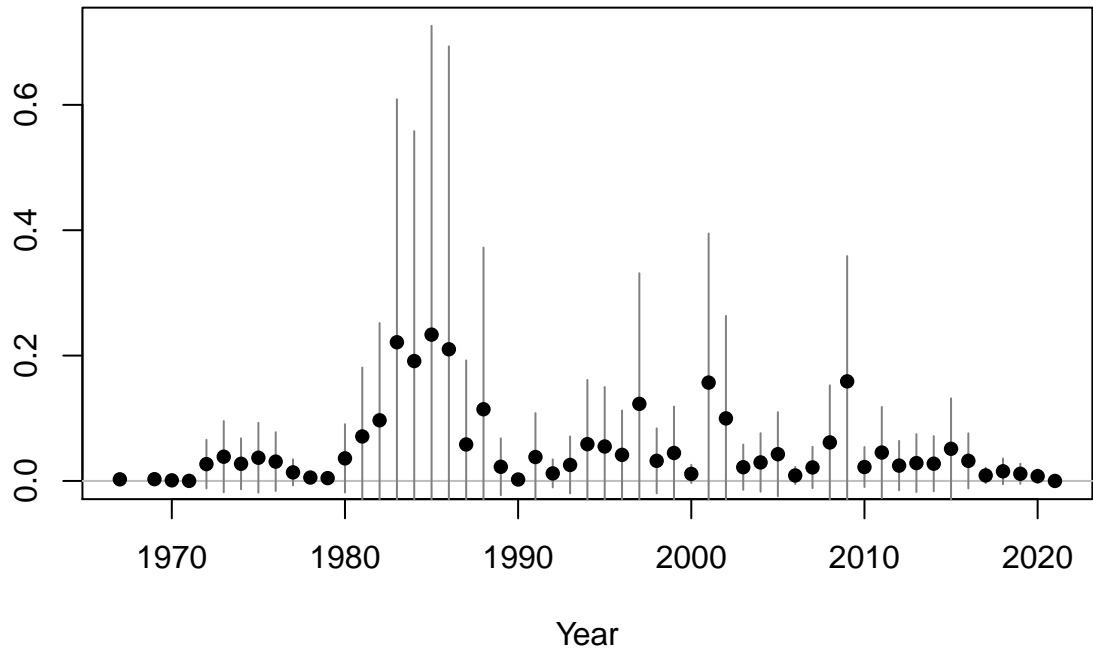
Age-0 recruits (1,000s)

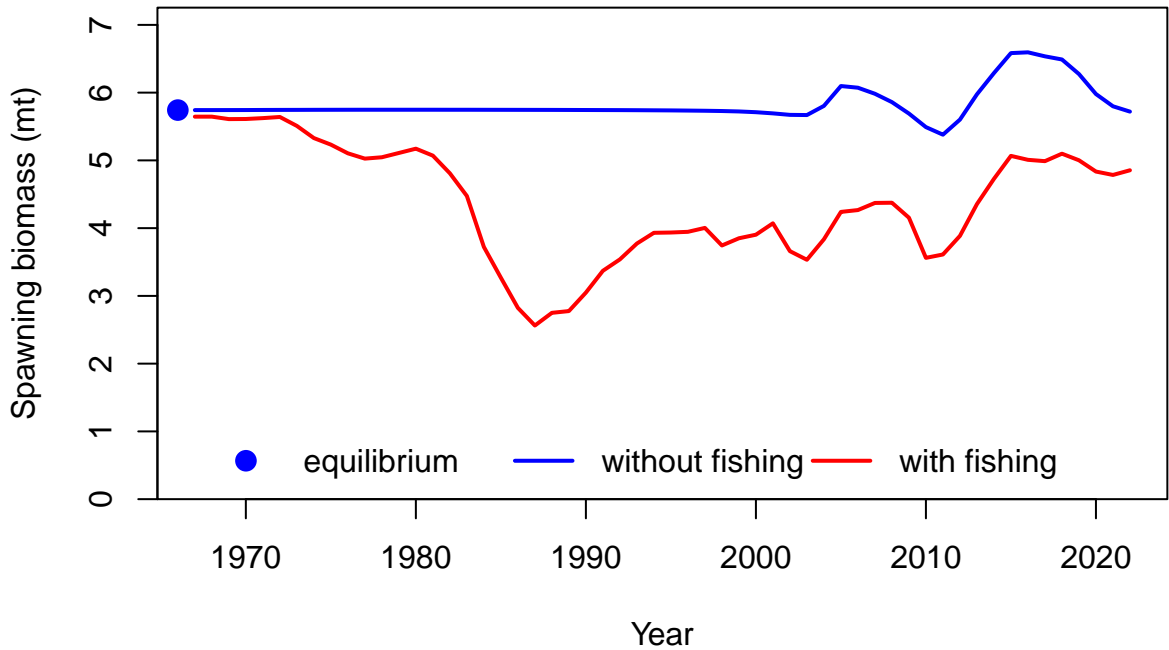




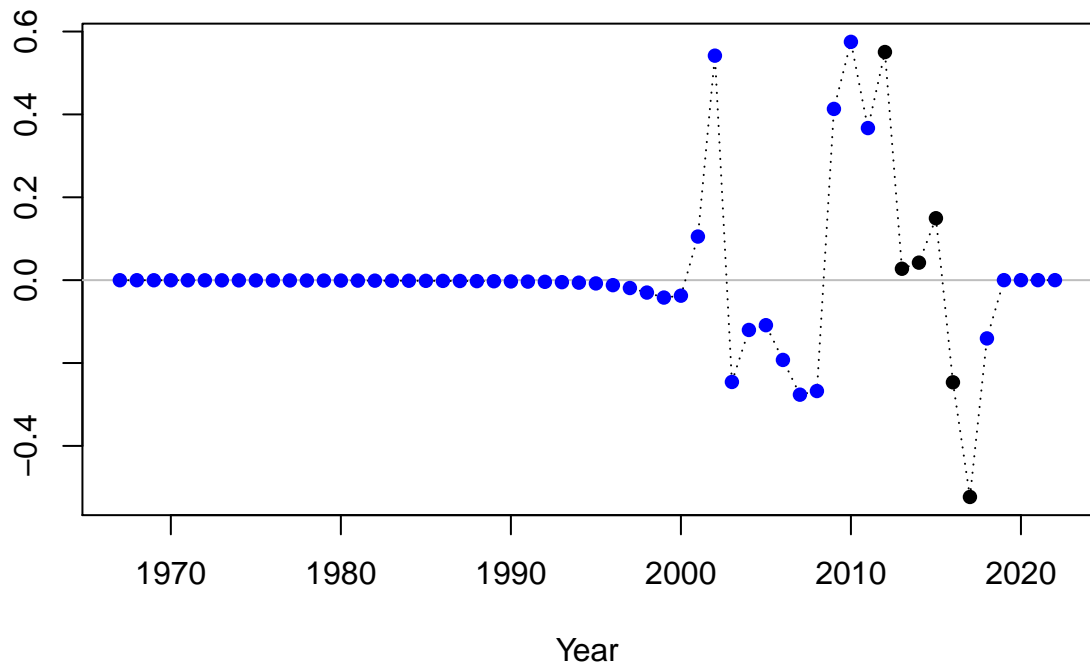


Summary Fishing Mortality

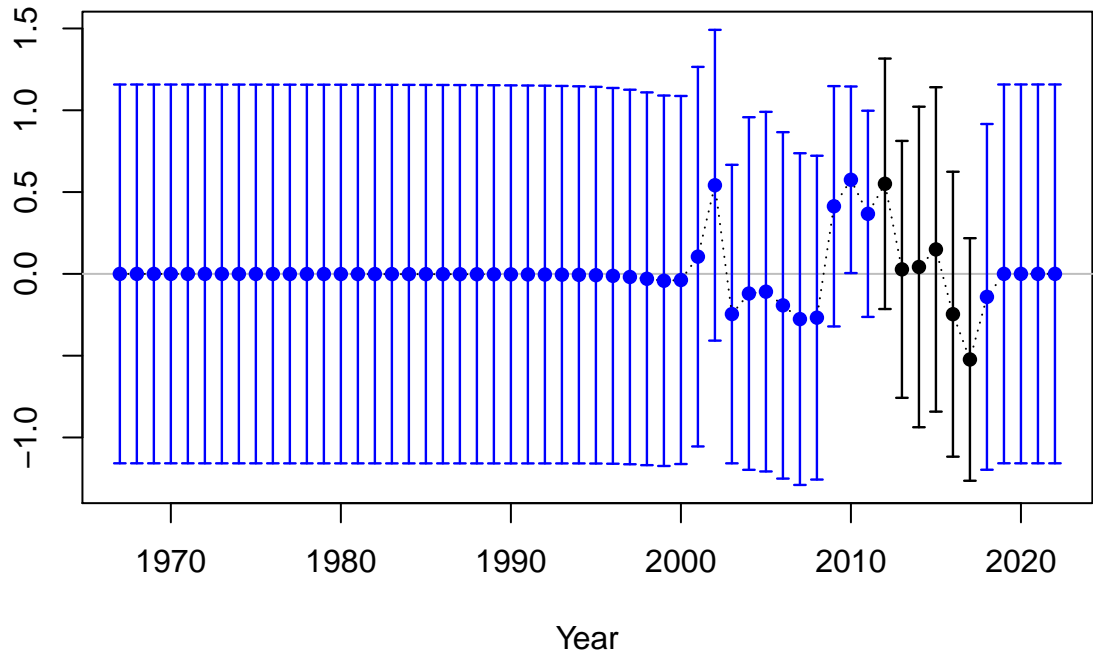




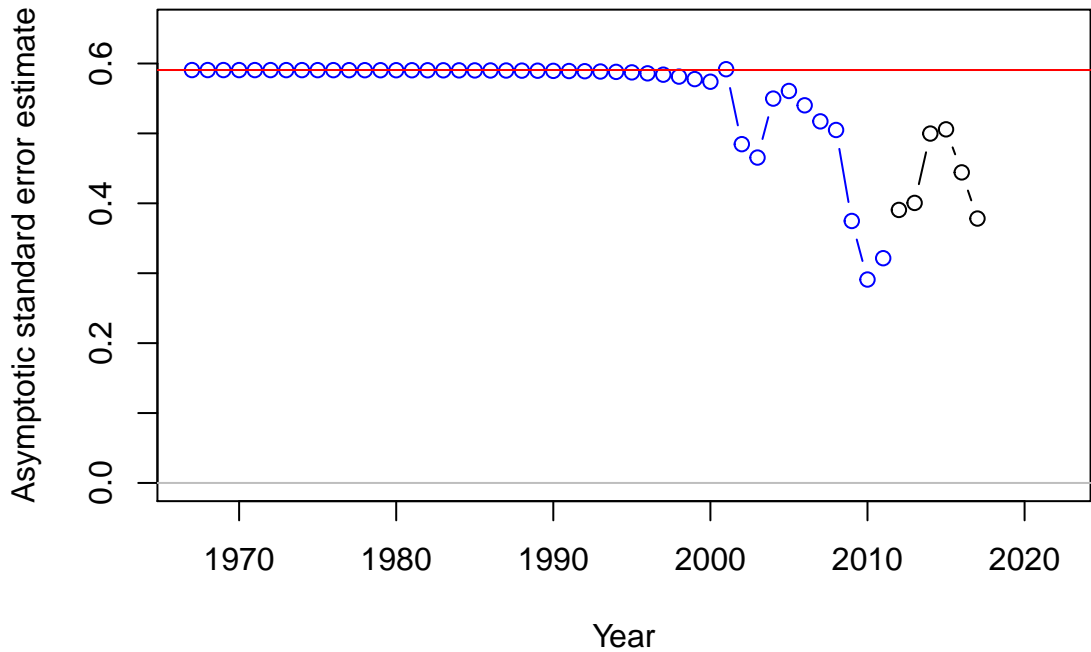
Log recruitment deviation

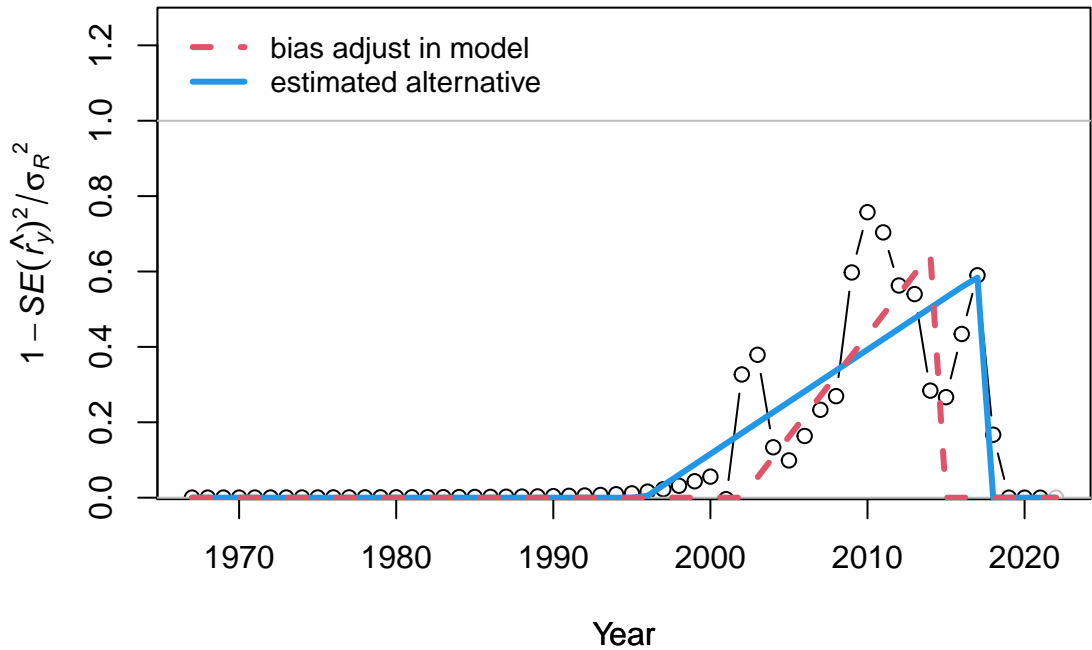


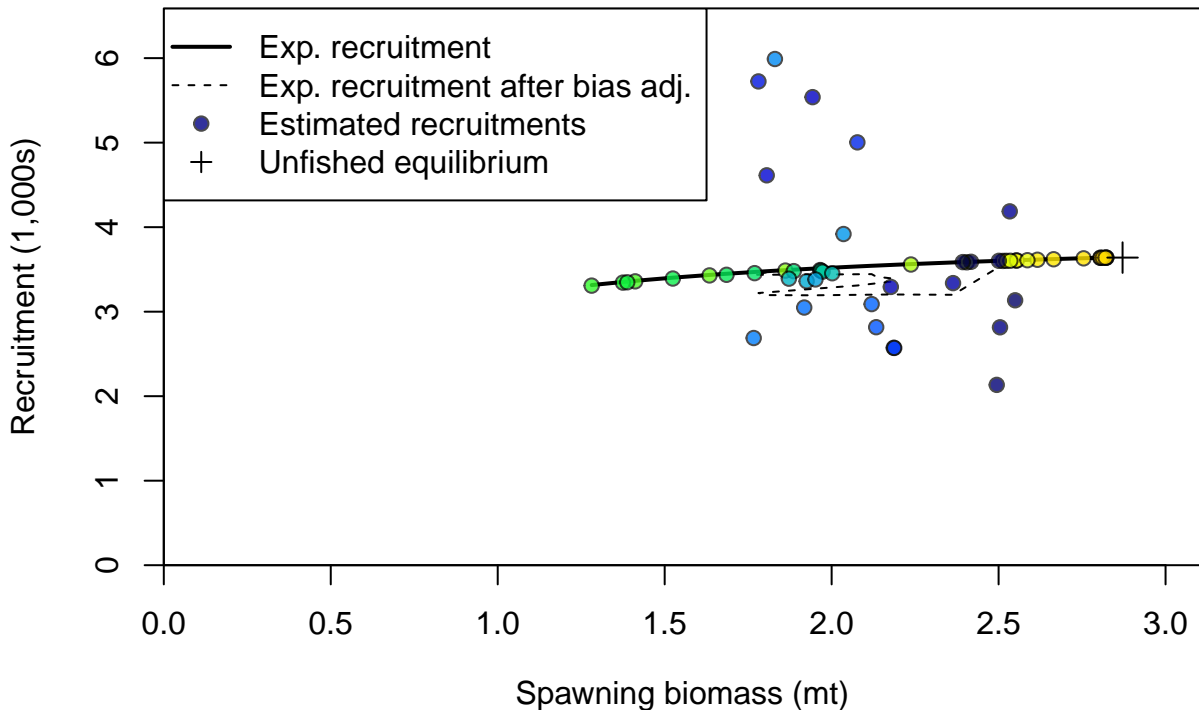
Log recruitment deviation



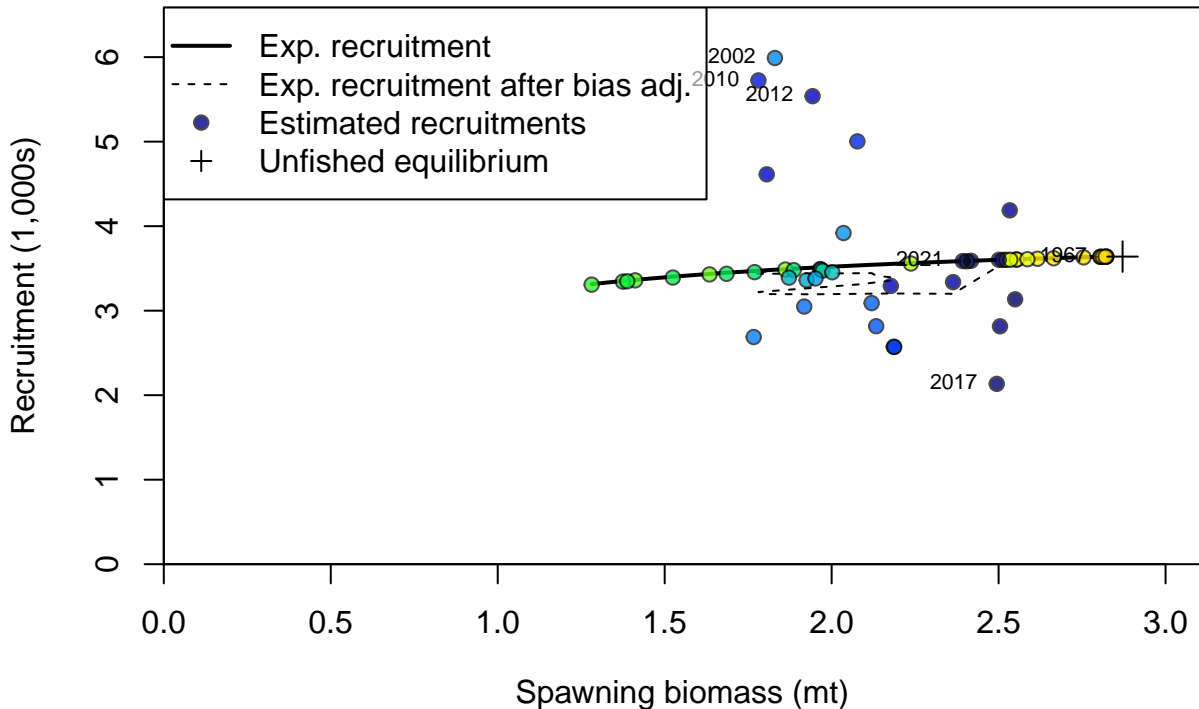
## Recruitment deviation variance

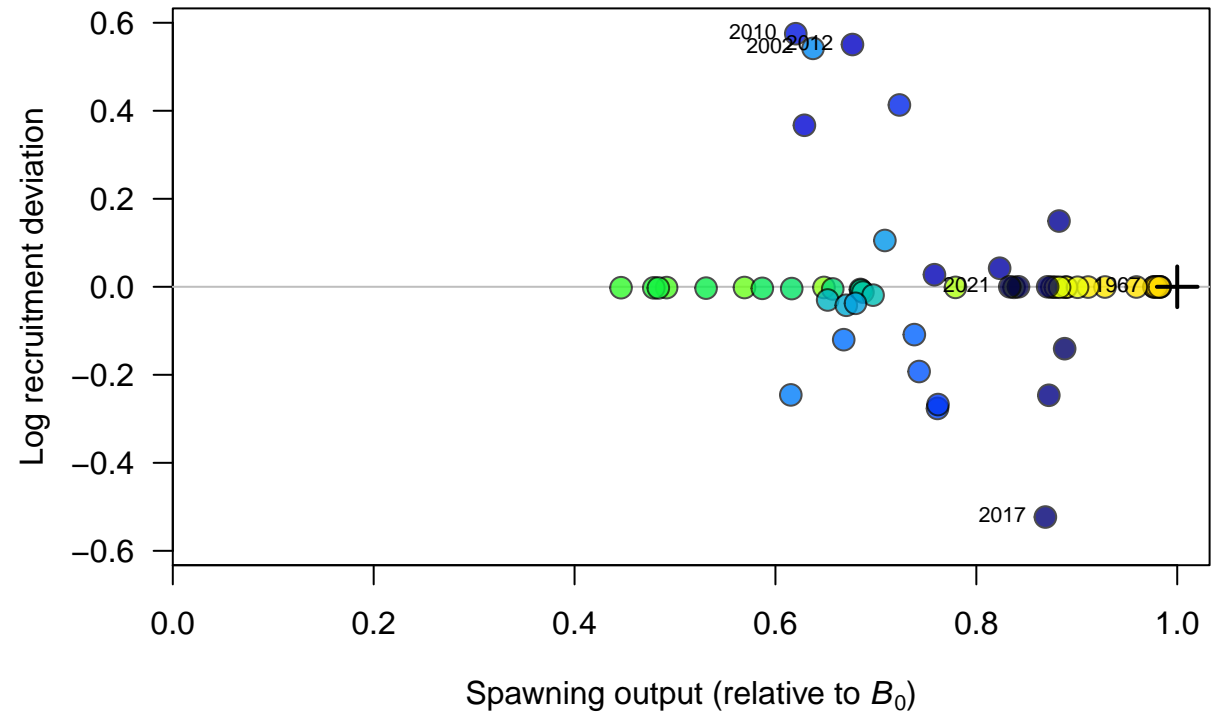


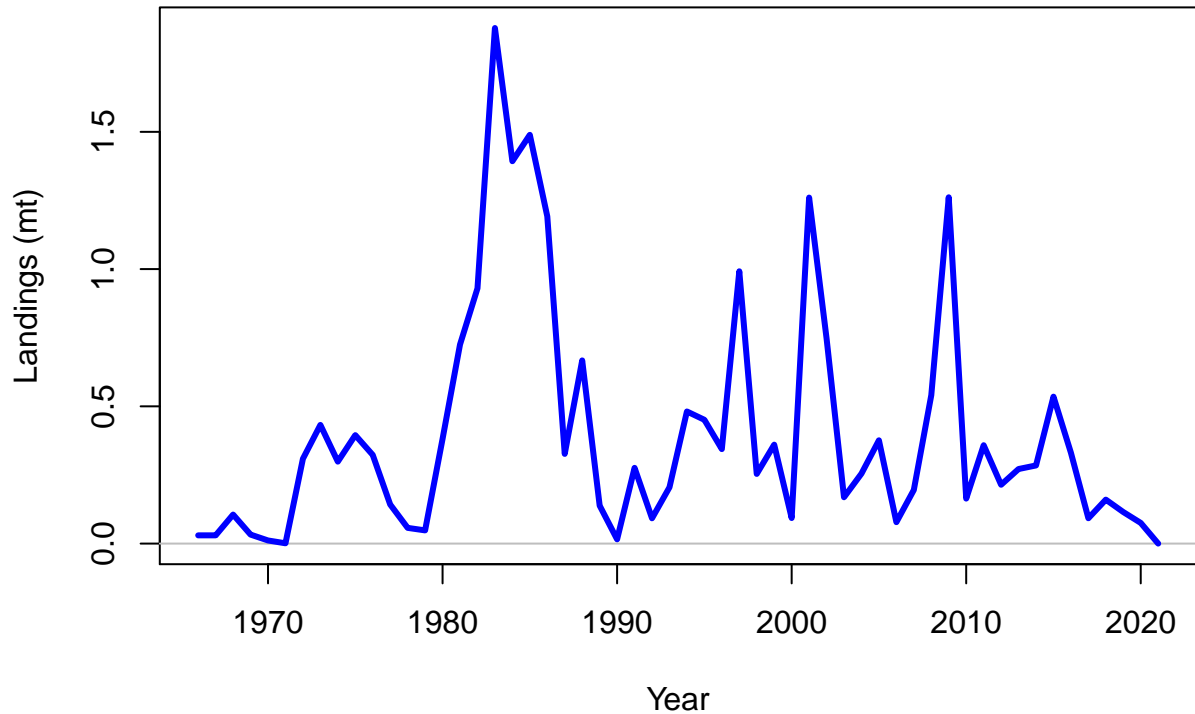


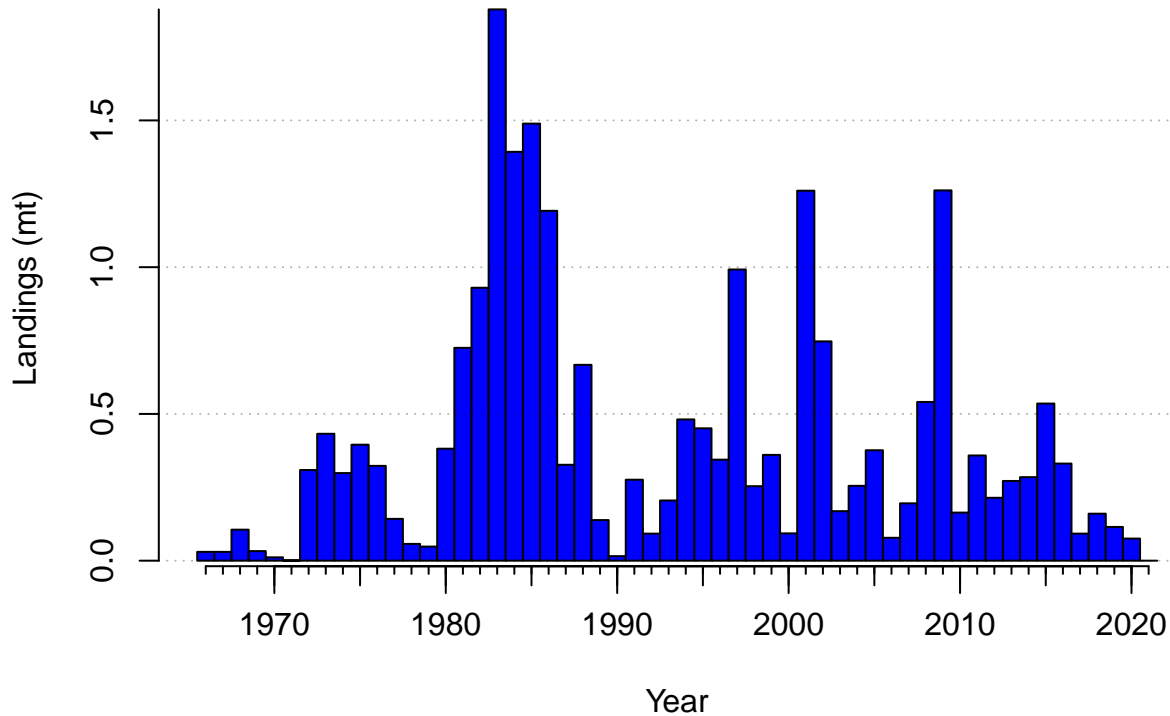












Observed and expected Landings (mt)

FISHERY  
FISHERY obs.

1.5  
1.0  
0.5  
0.0

1970

1980

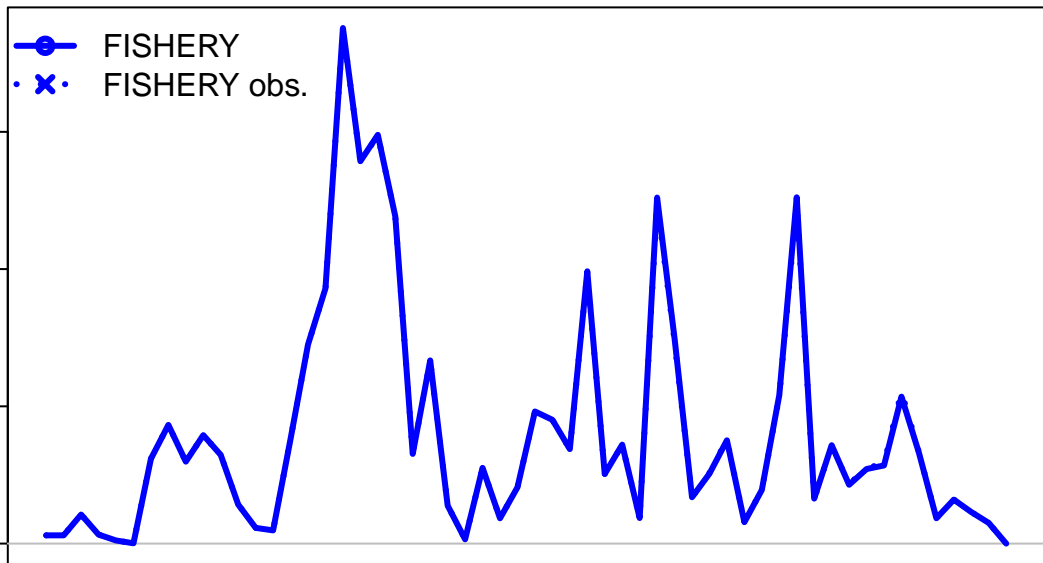
1990

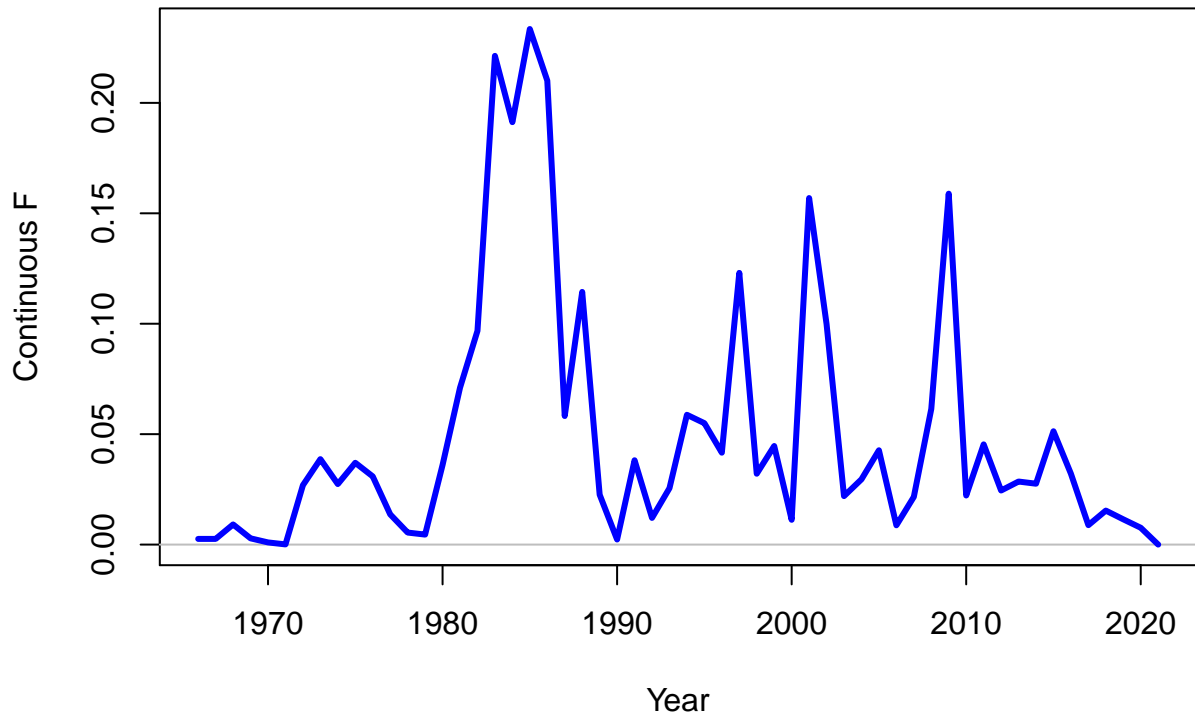
2000

2010

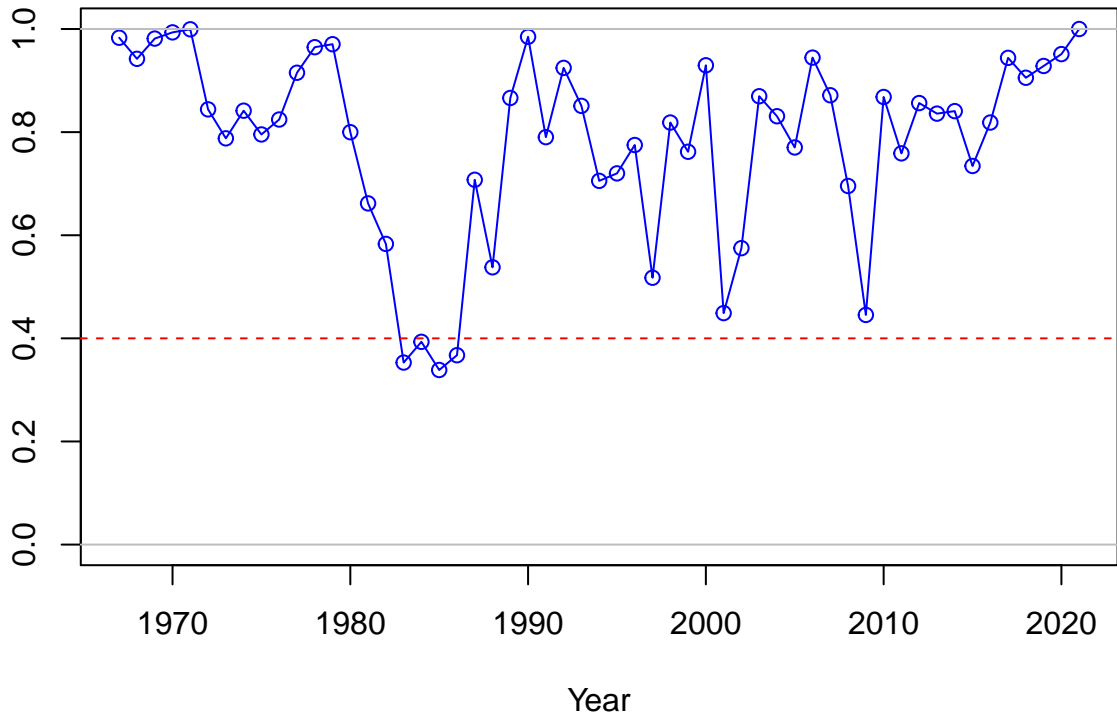
2020

Year

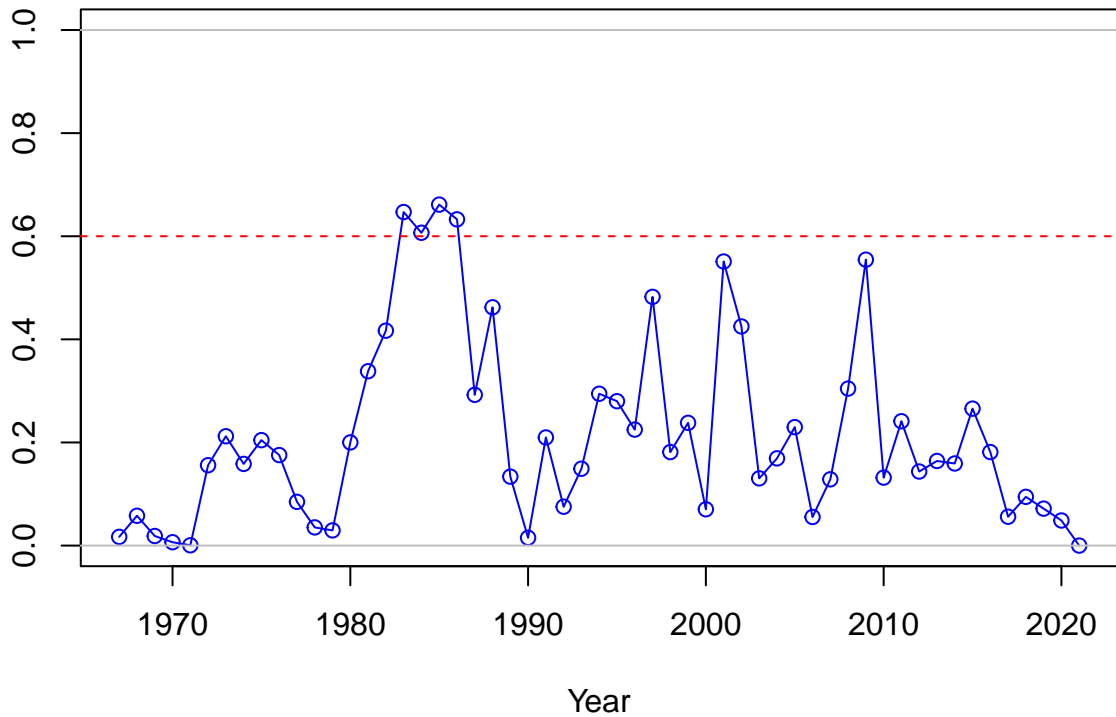




SPR

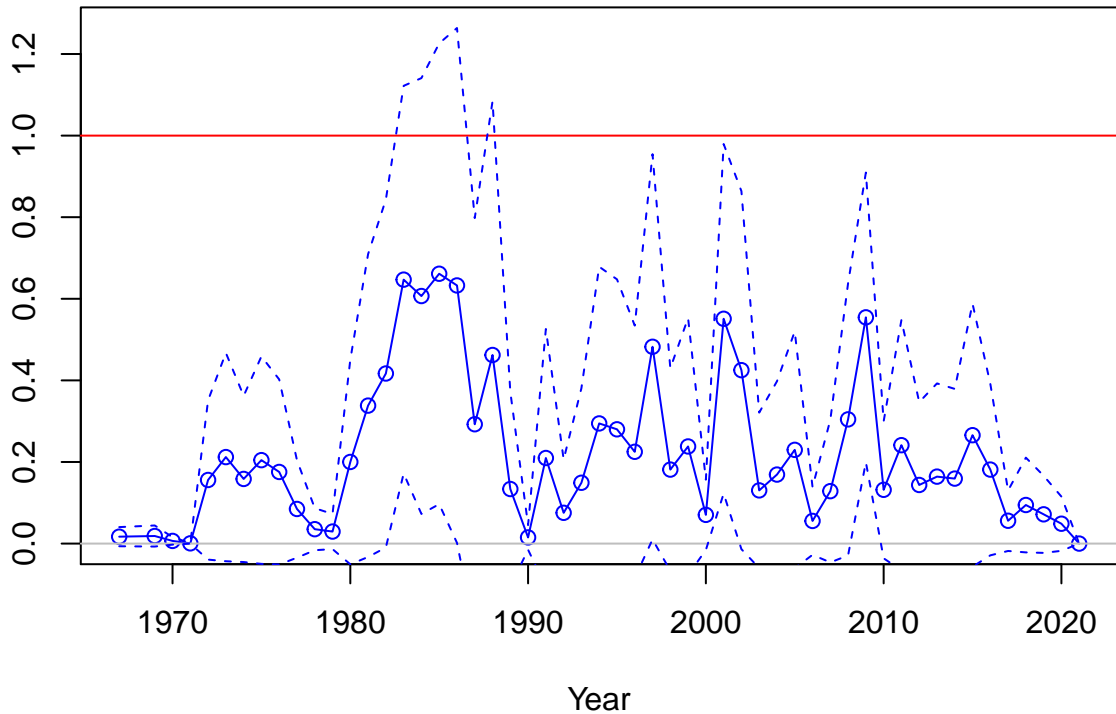


1-SPR

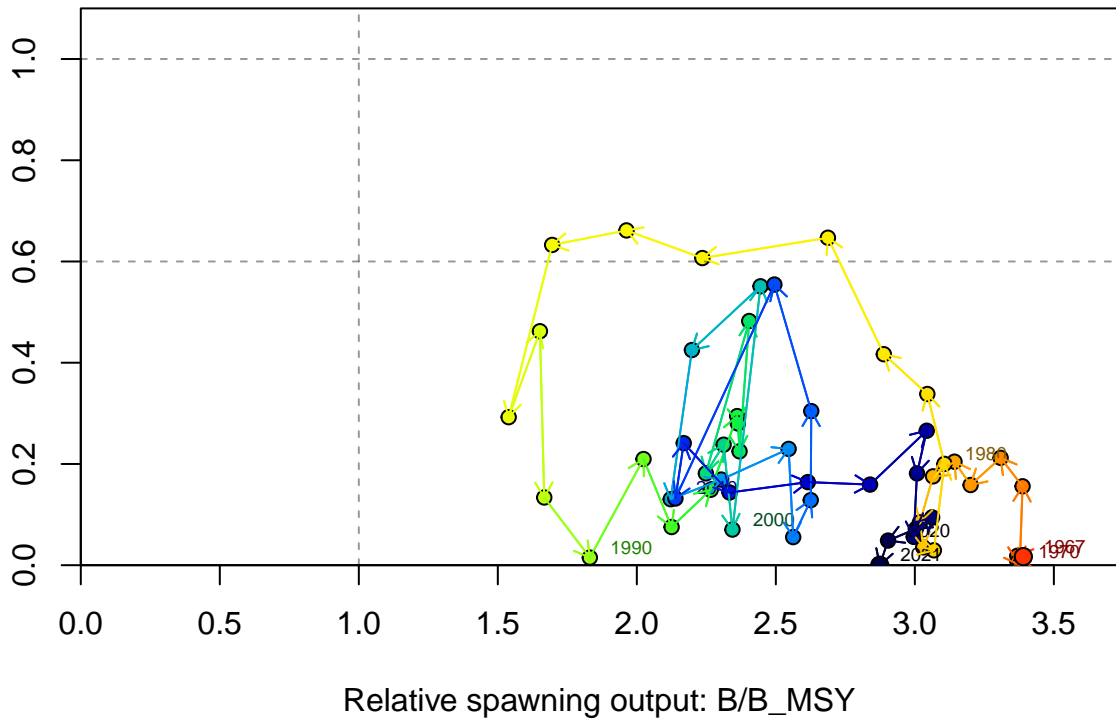


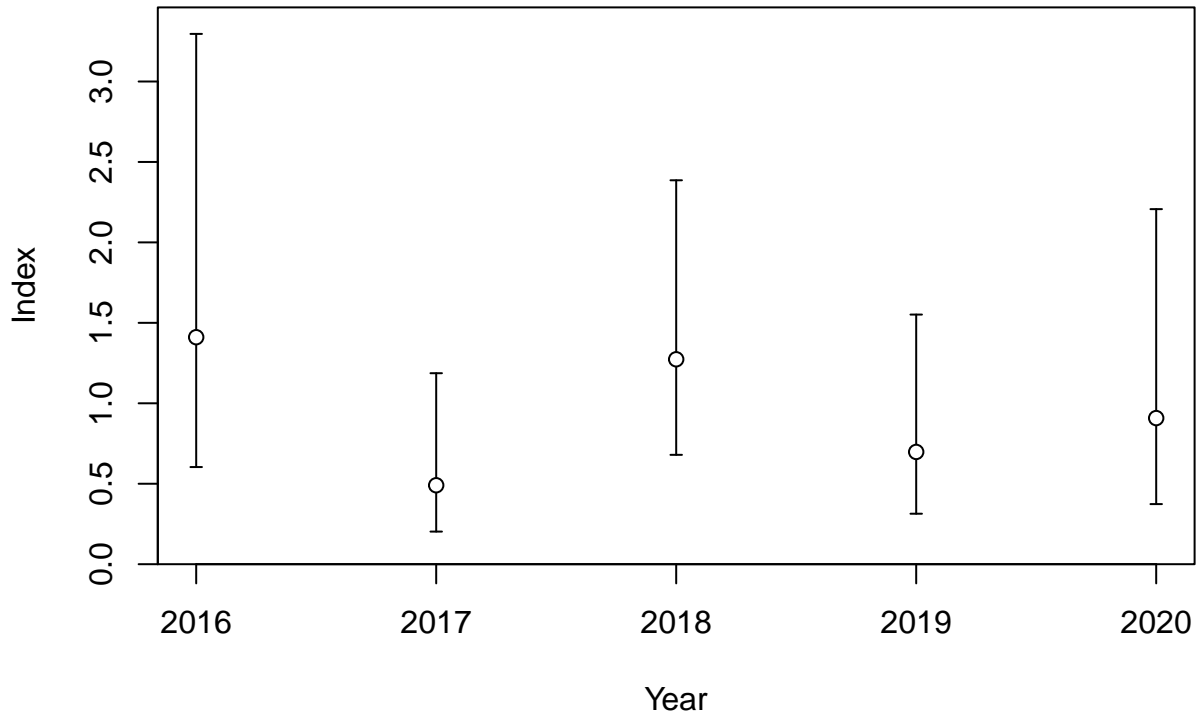


Fishing intensity: 1-SPR

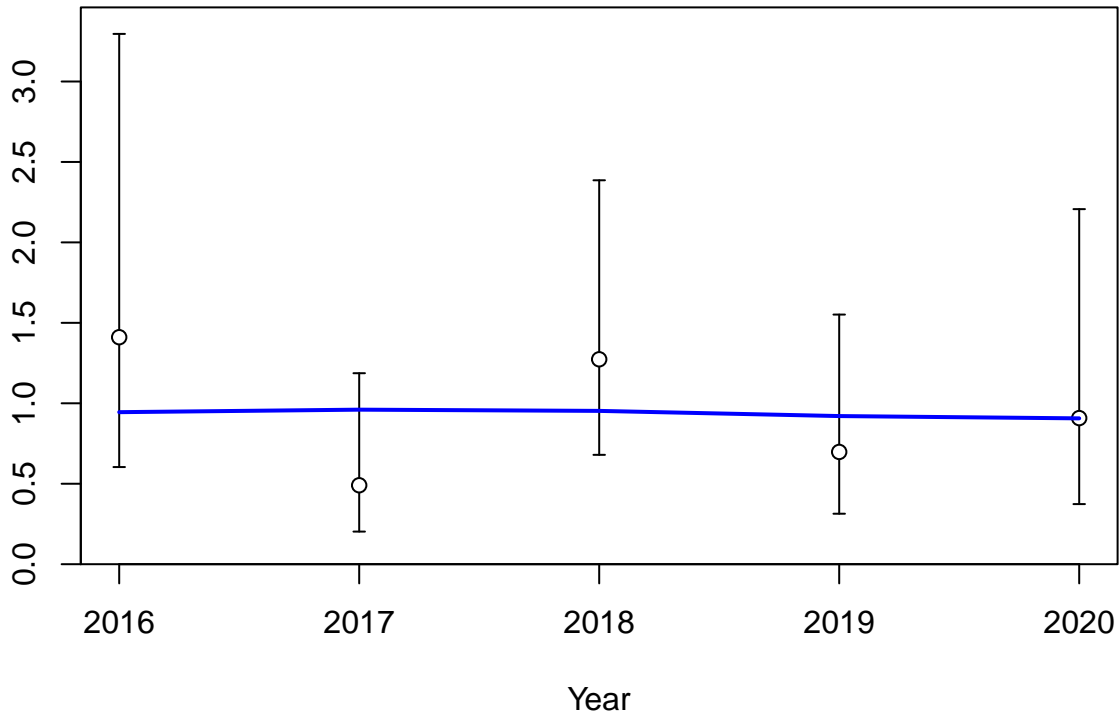


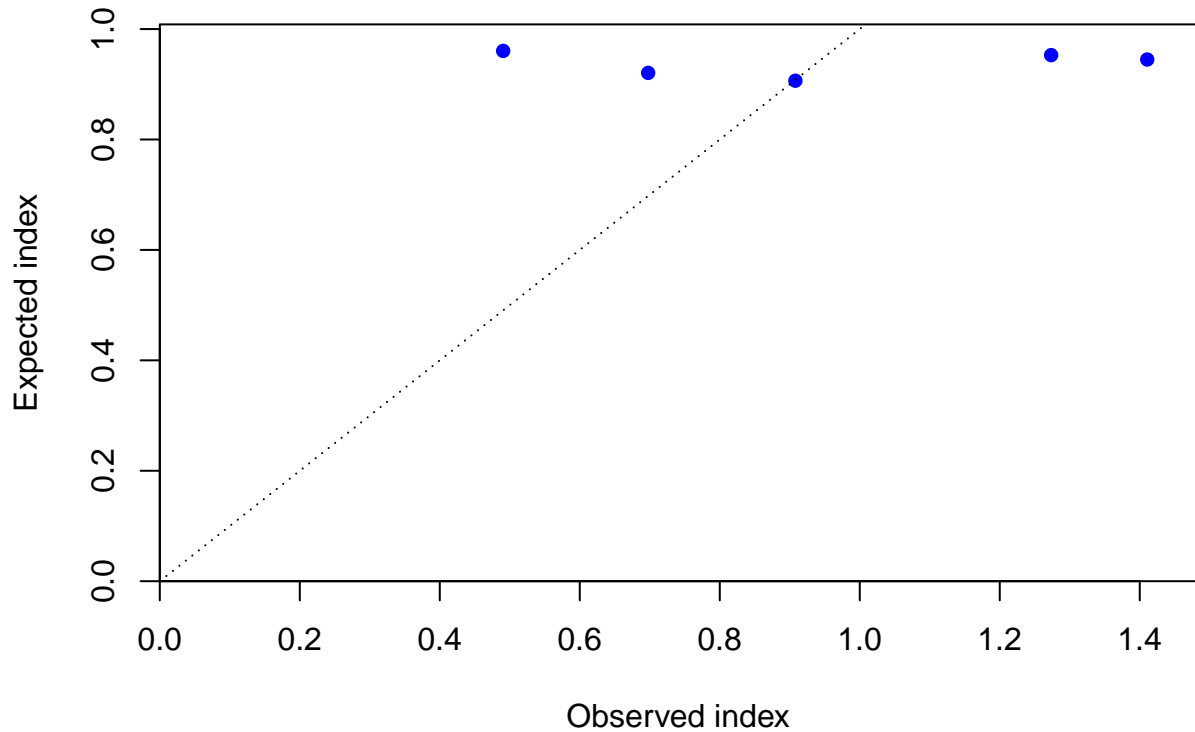
Fishing intensity: 1-SPR

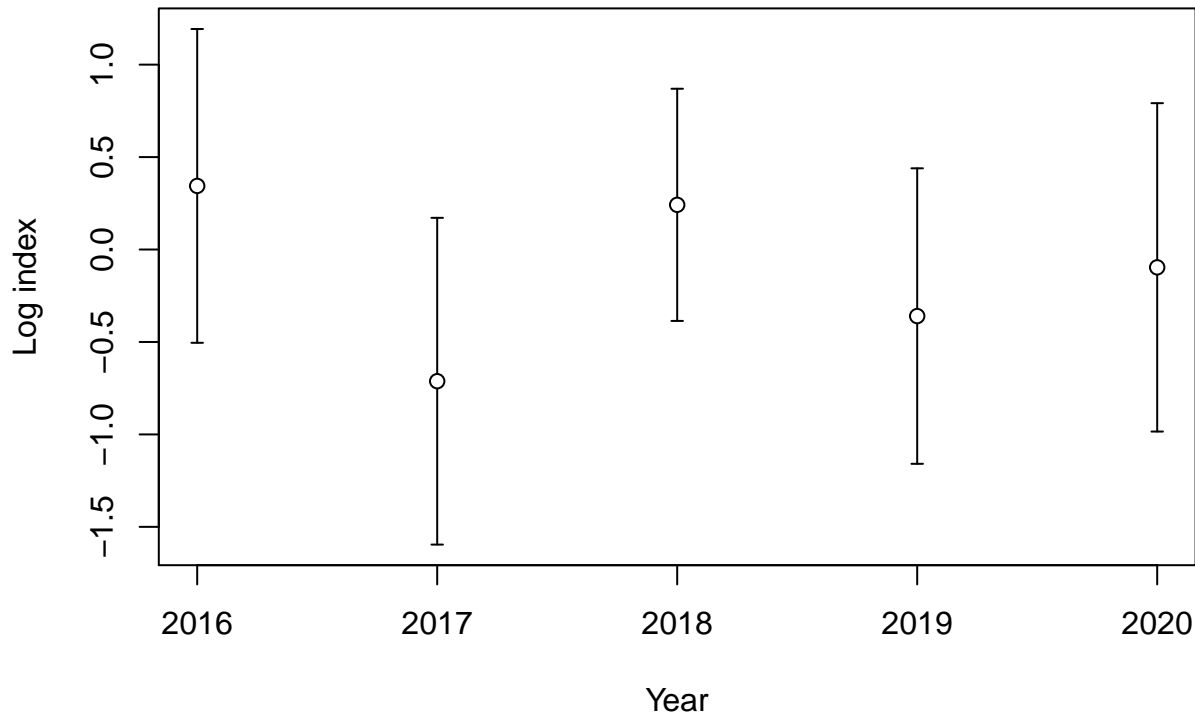


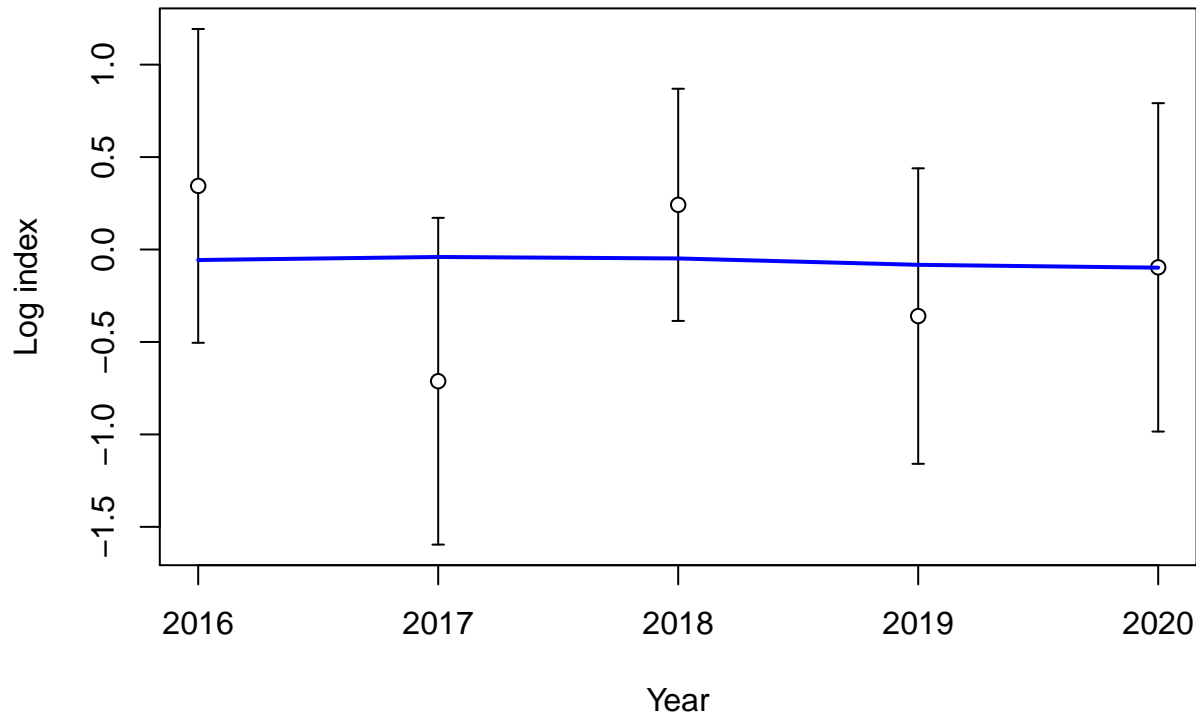


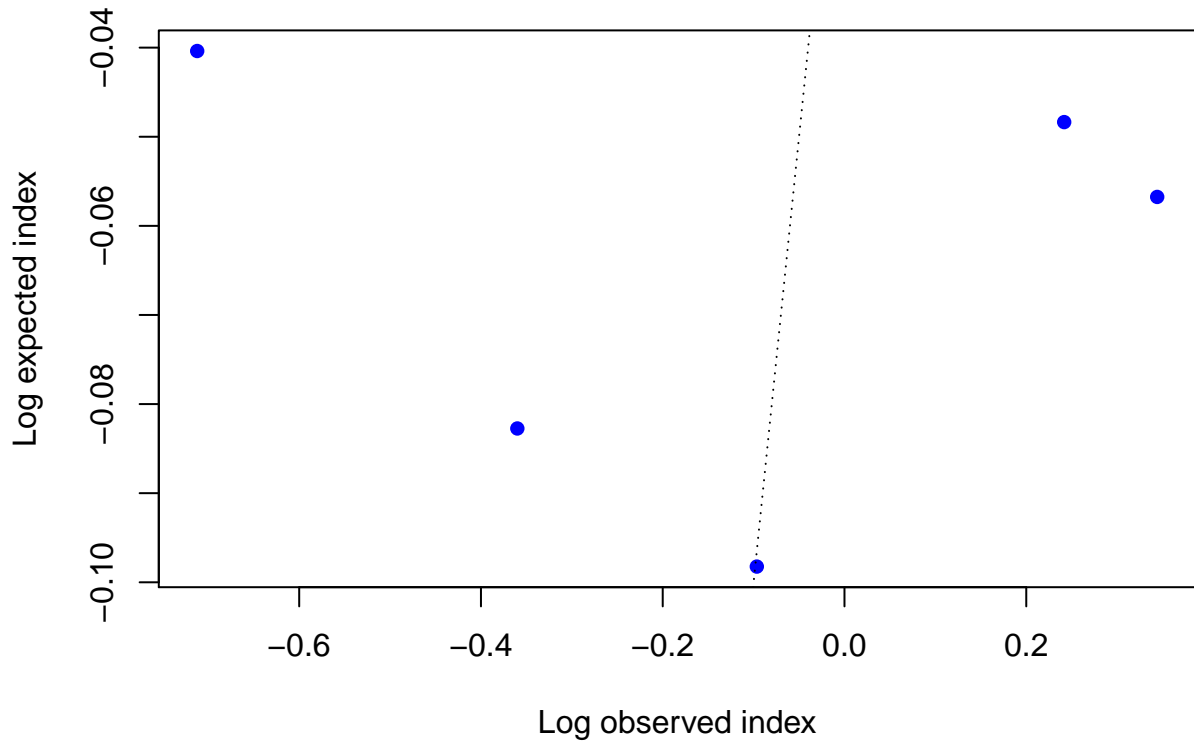
Index



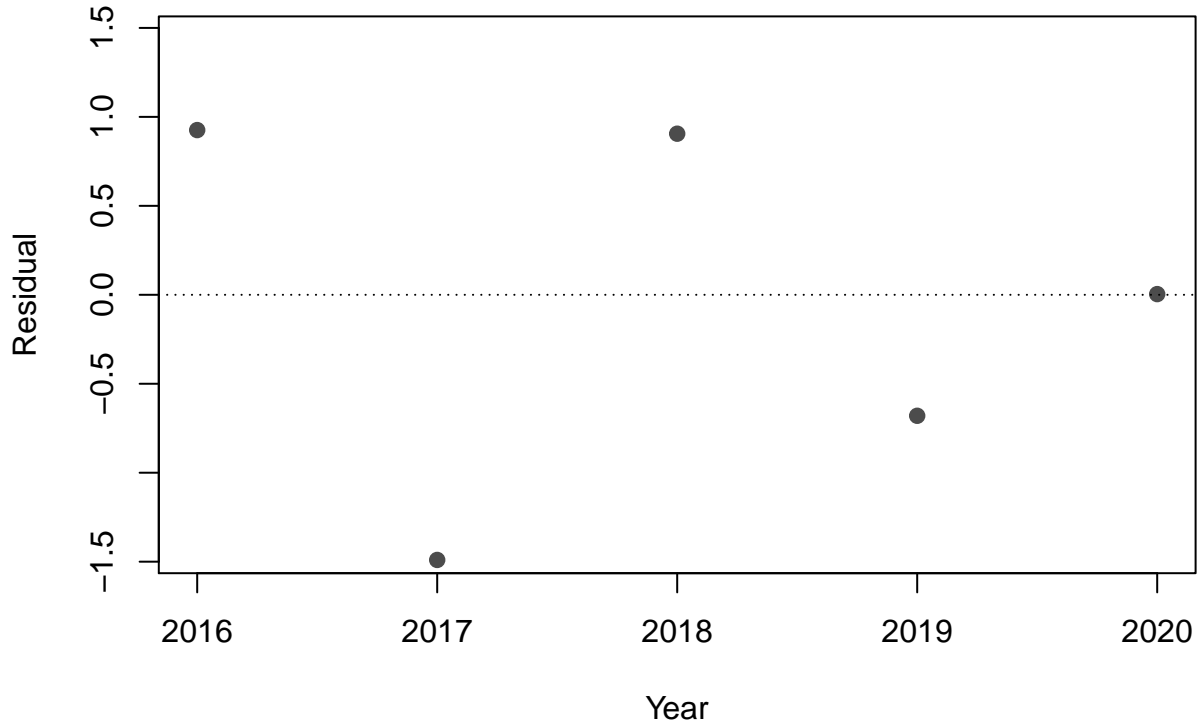


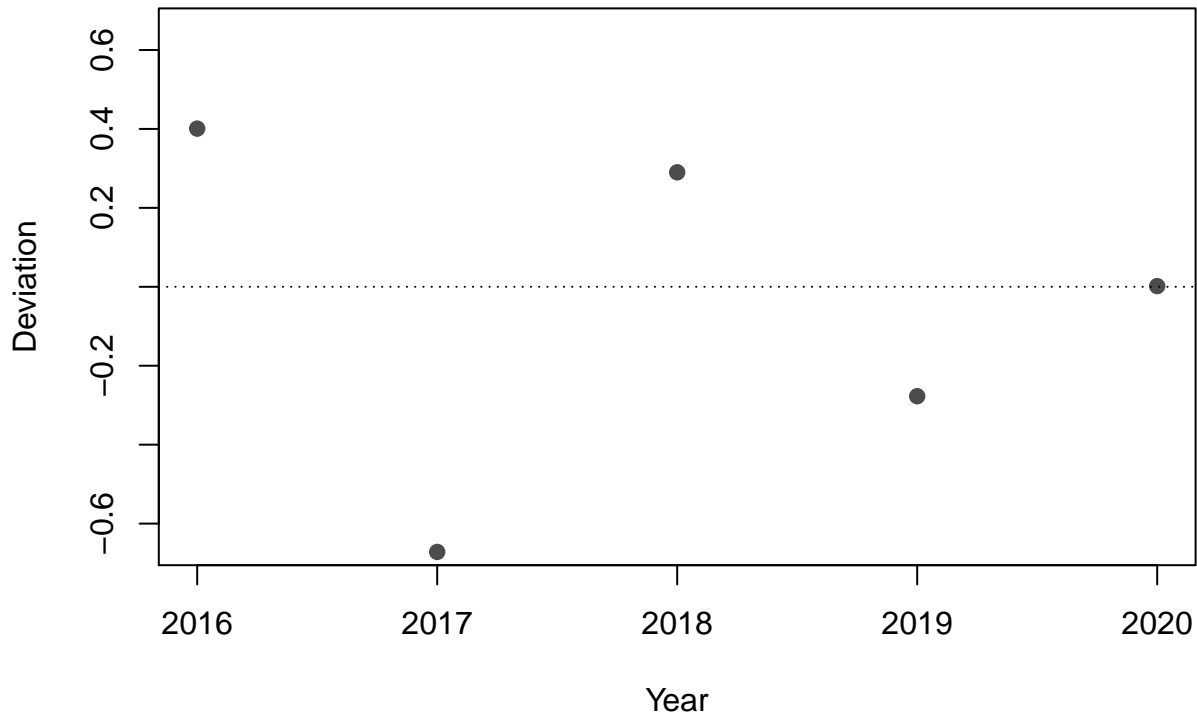


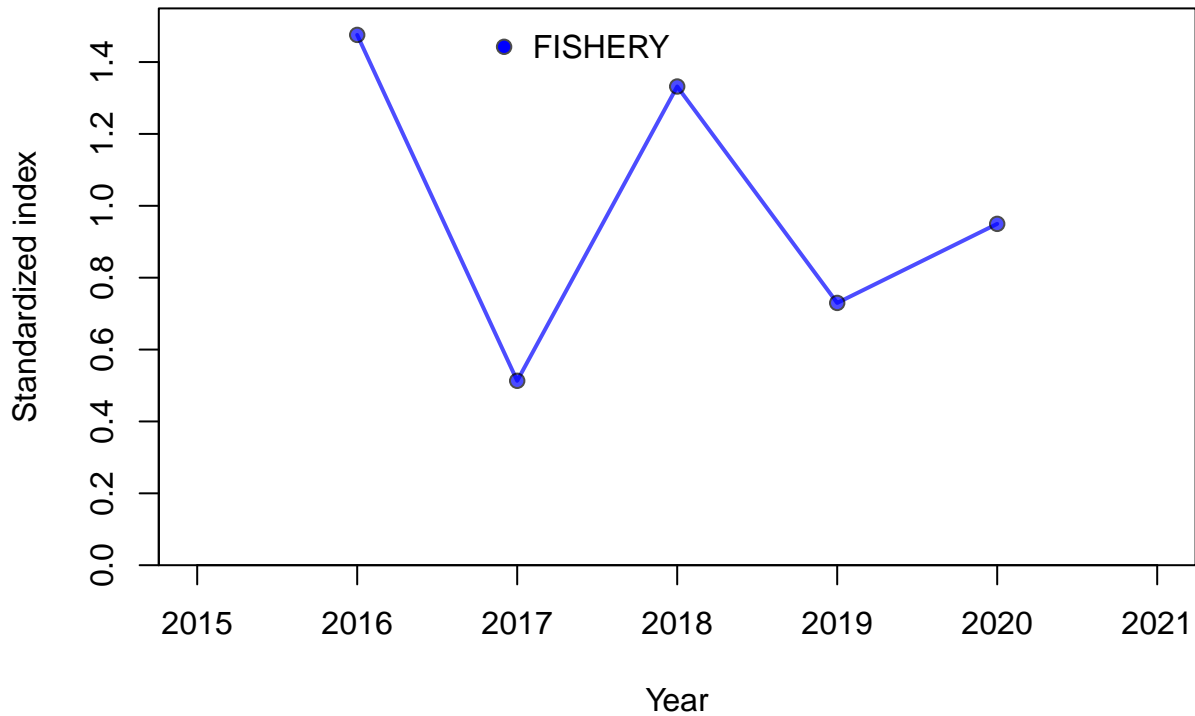


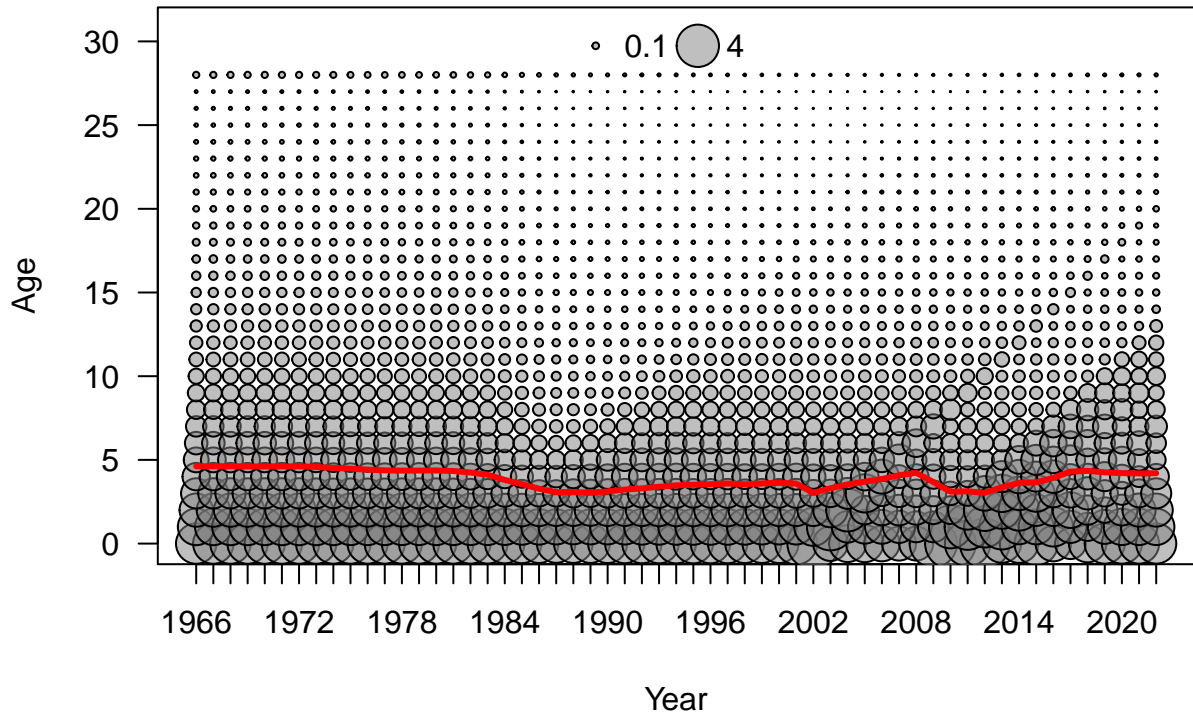


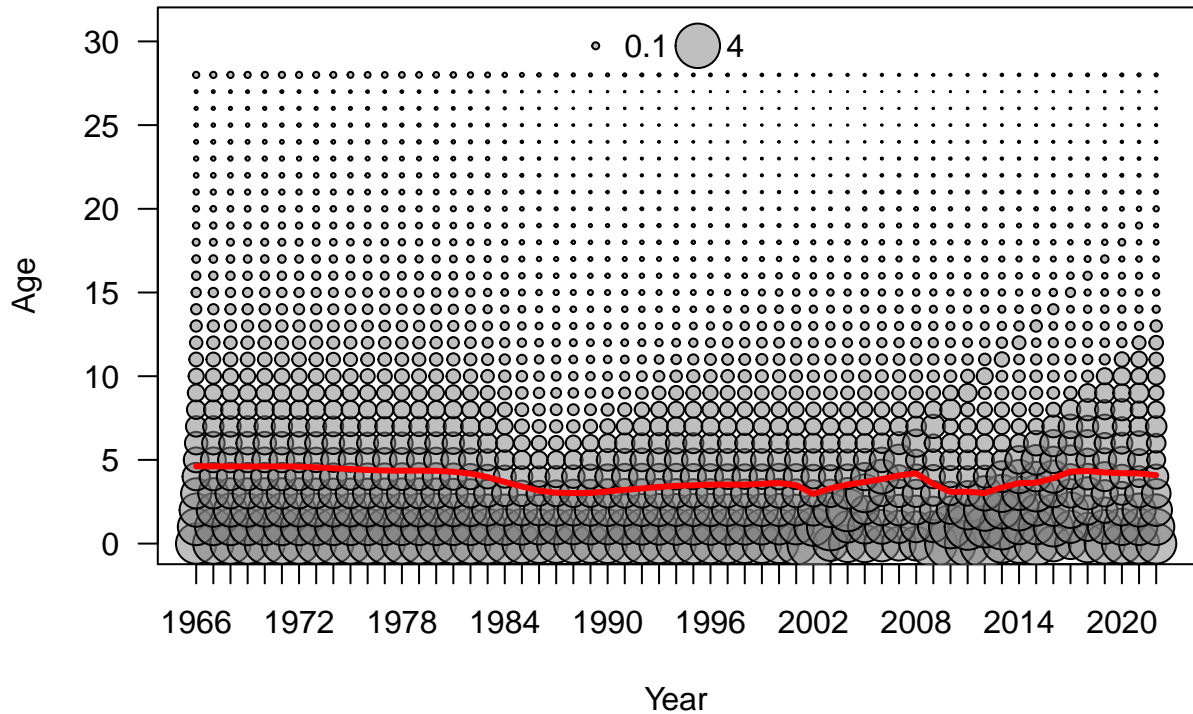


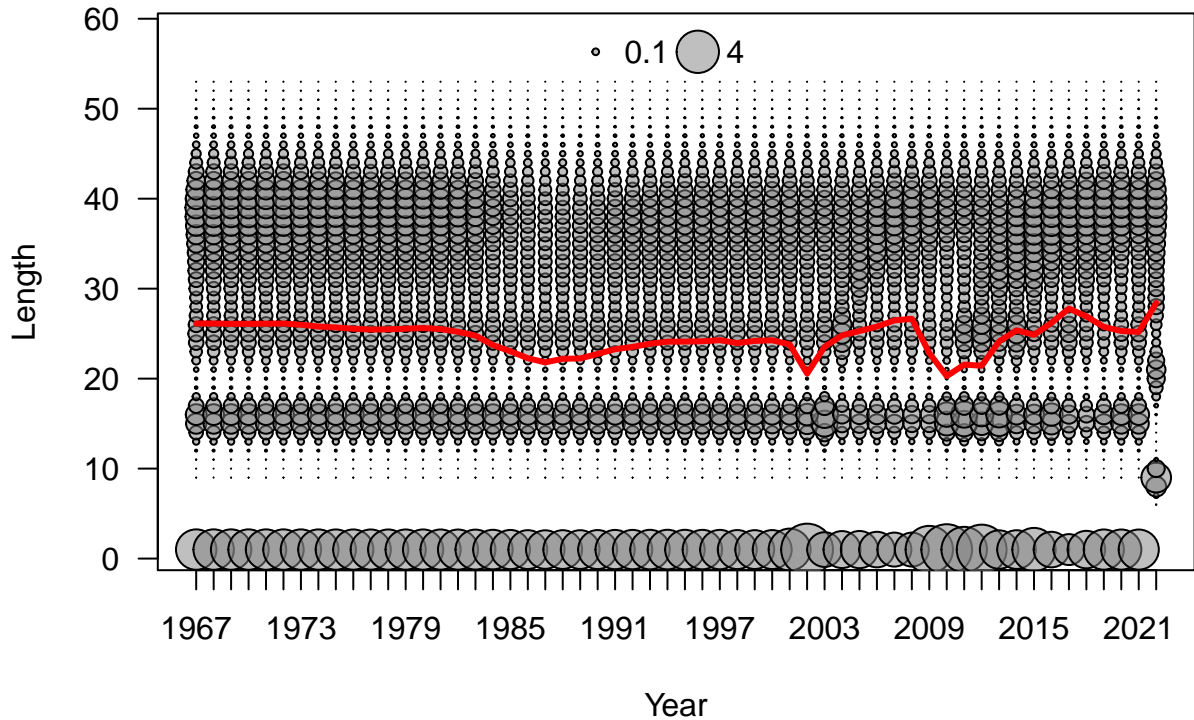


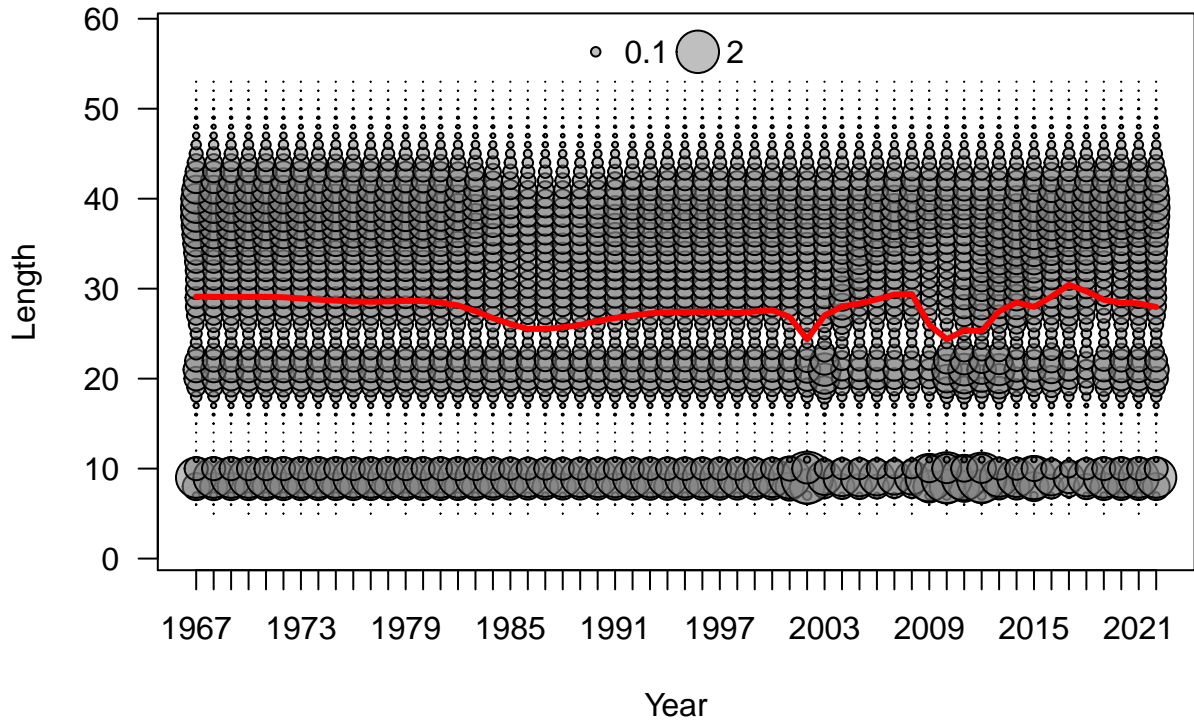


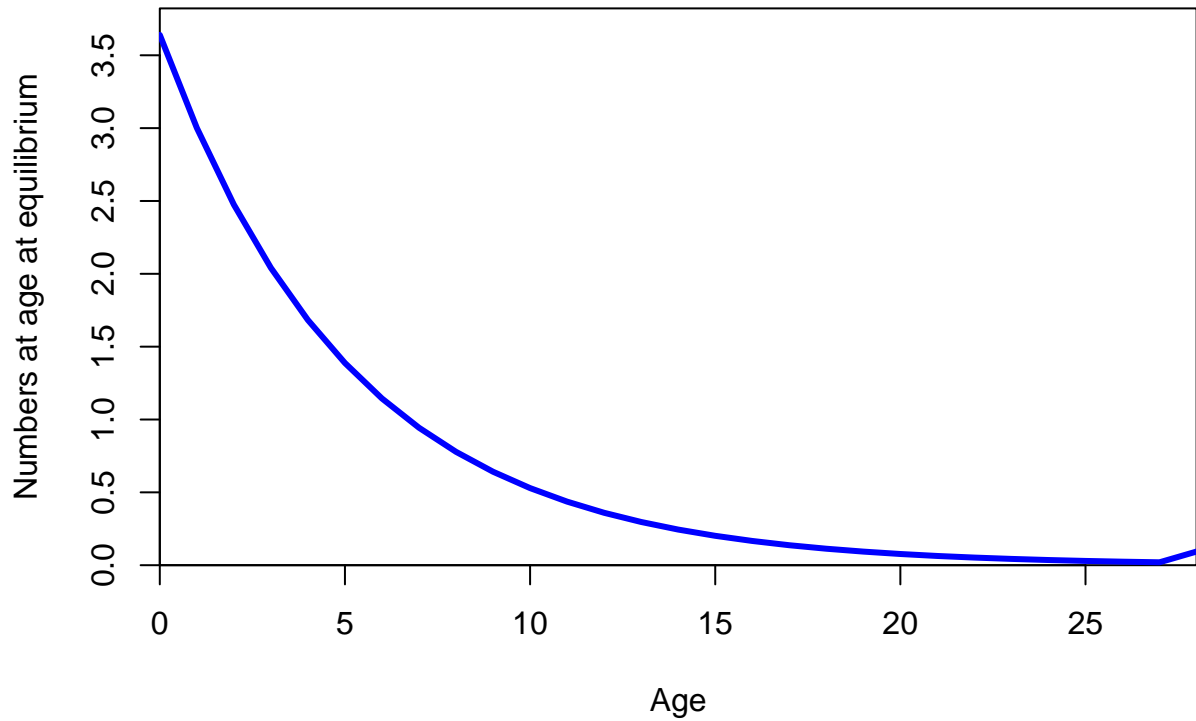




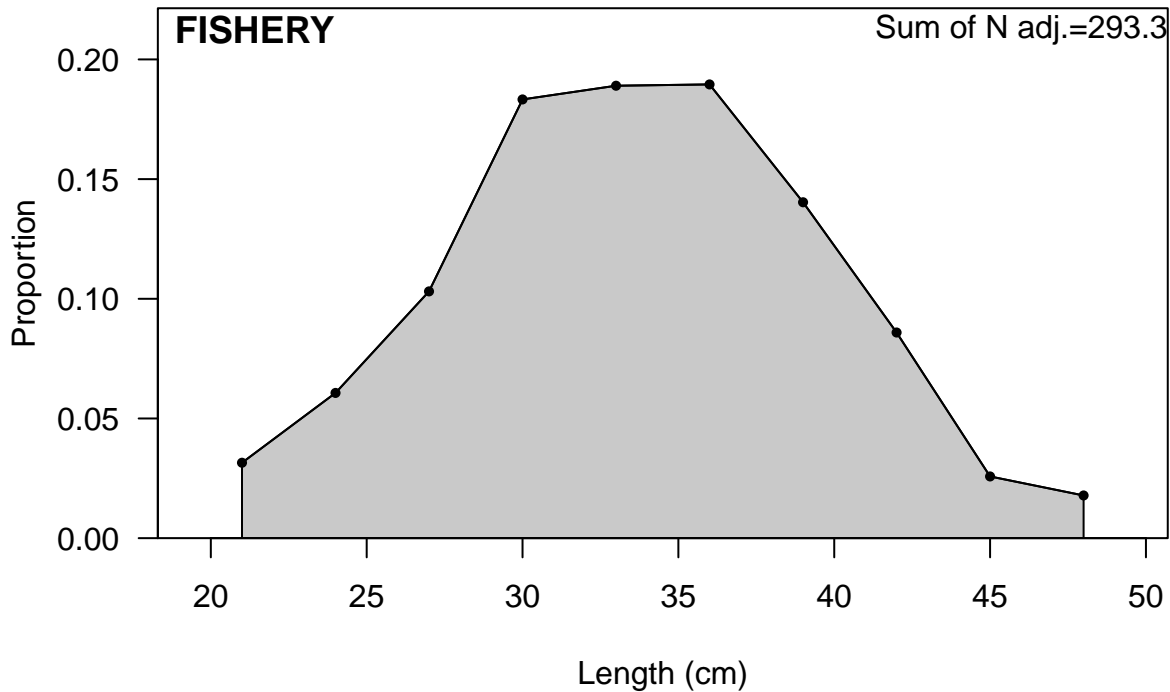


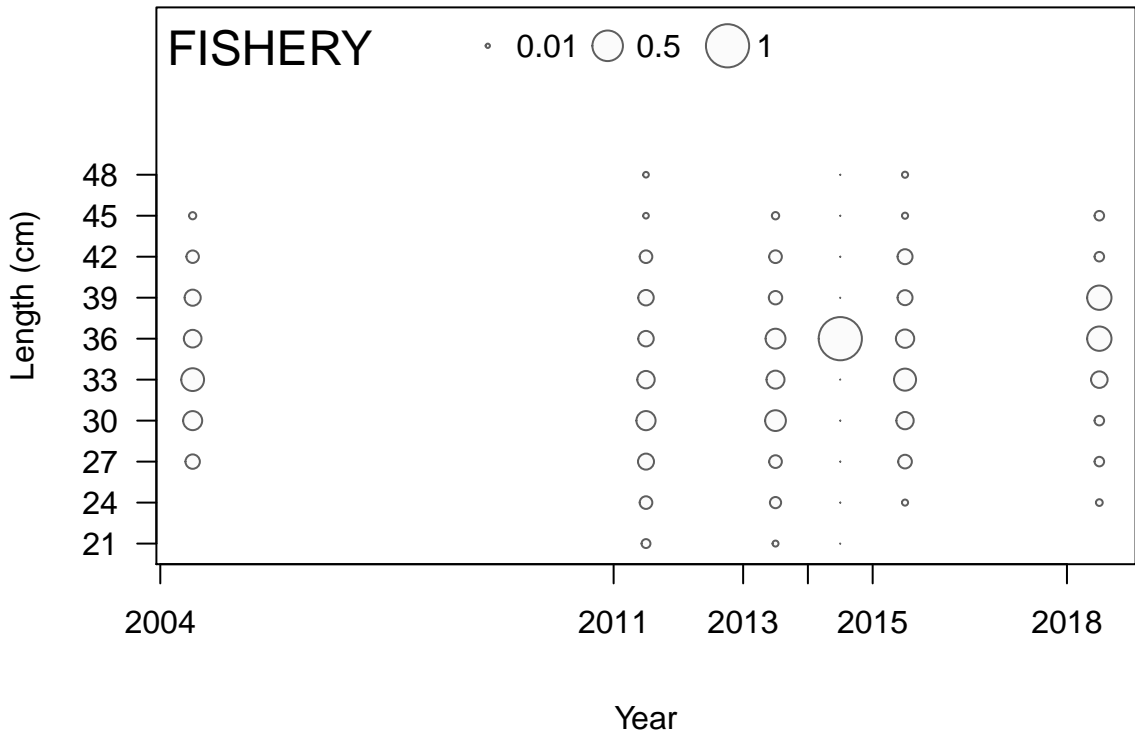




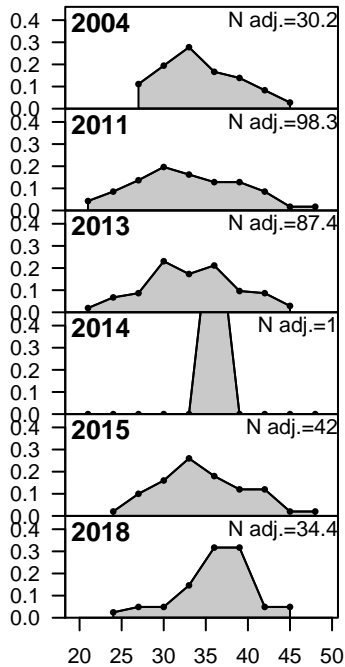




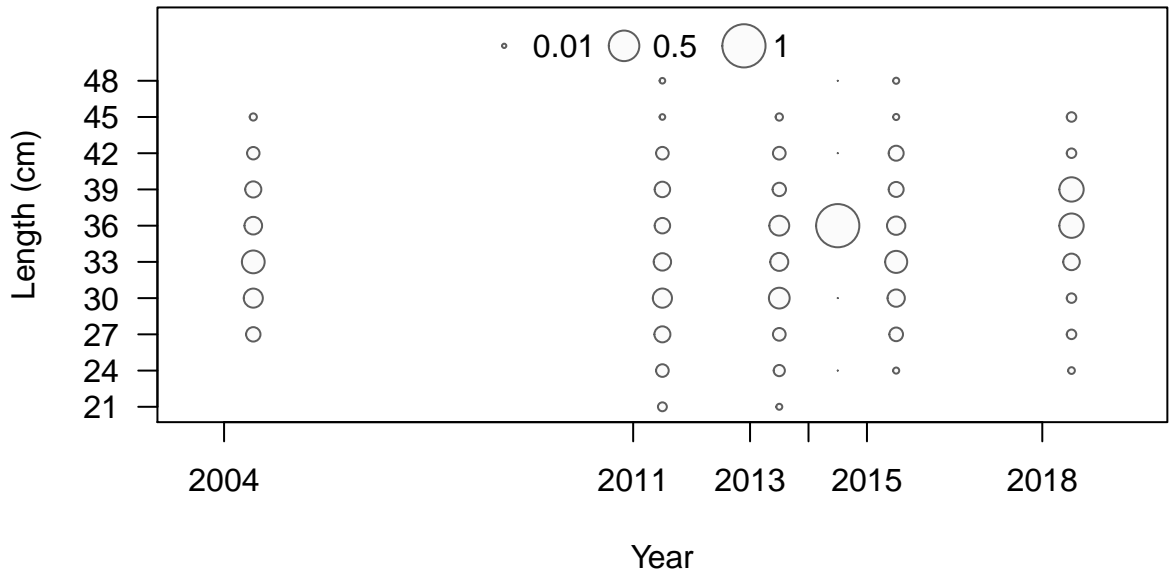




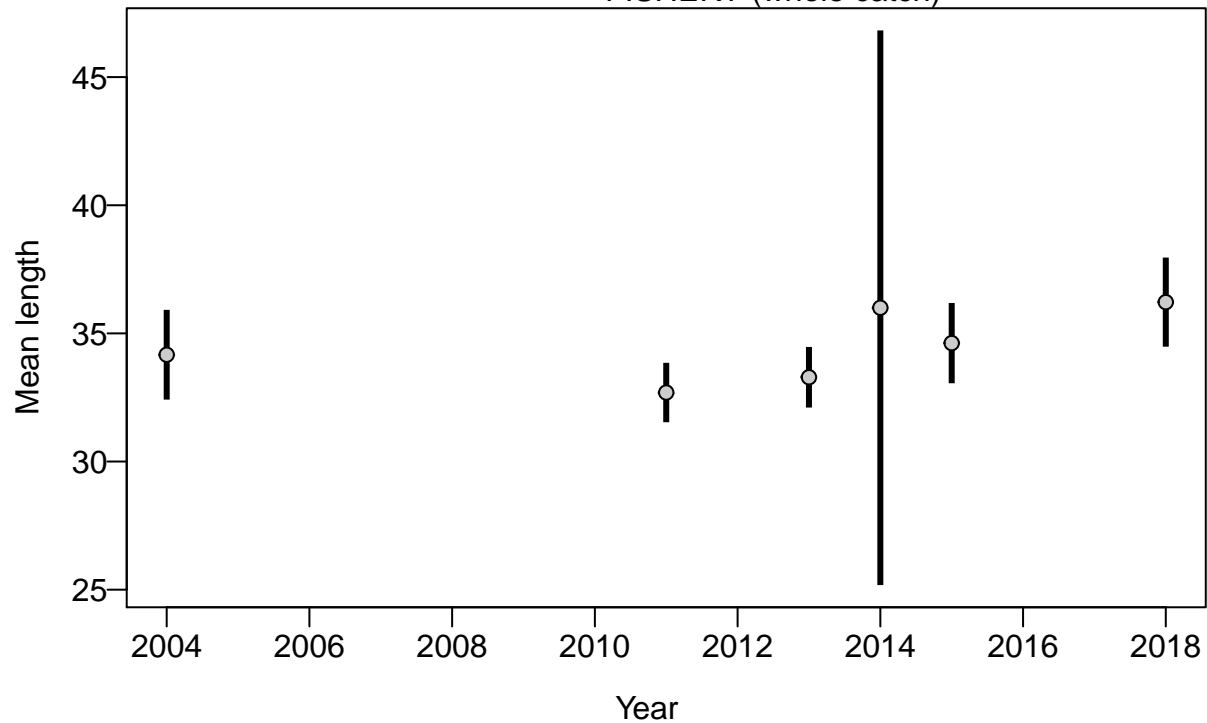
Proportion

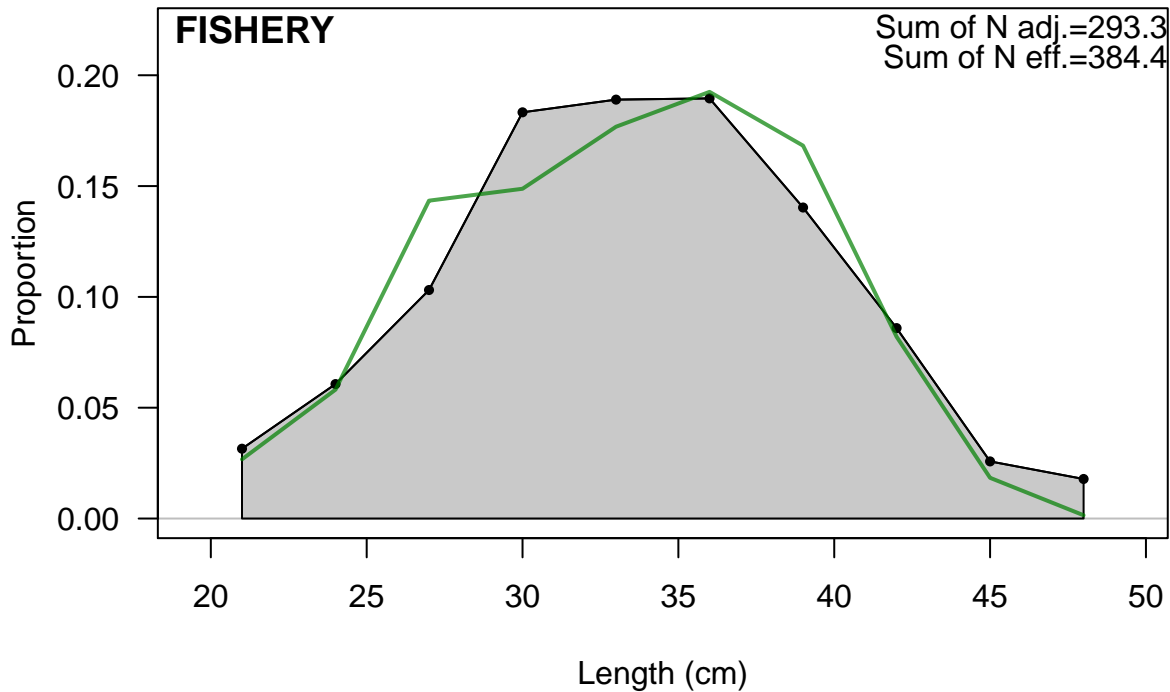


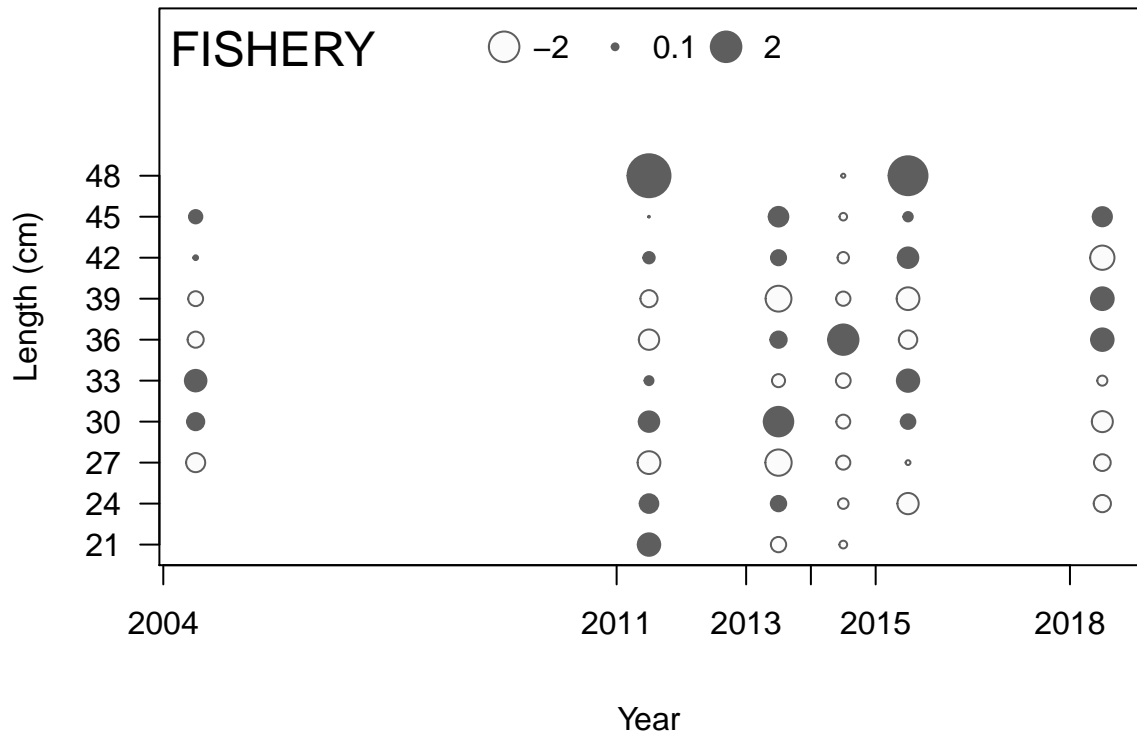
Length (cm)



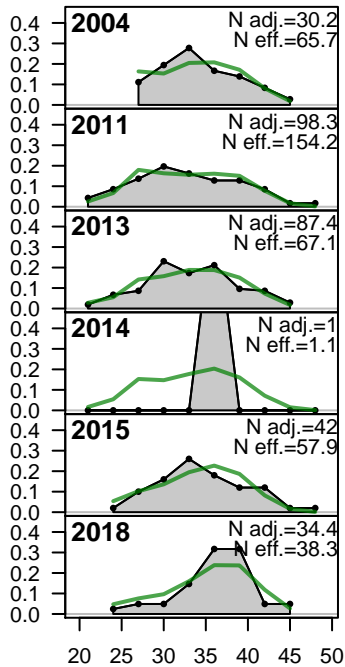
FISHERY (whole catch)





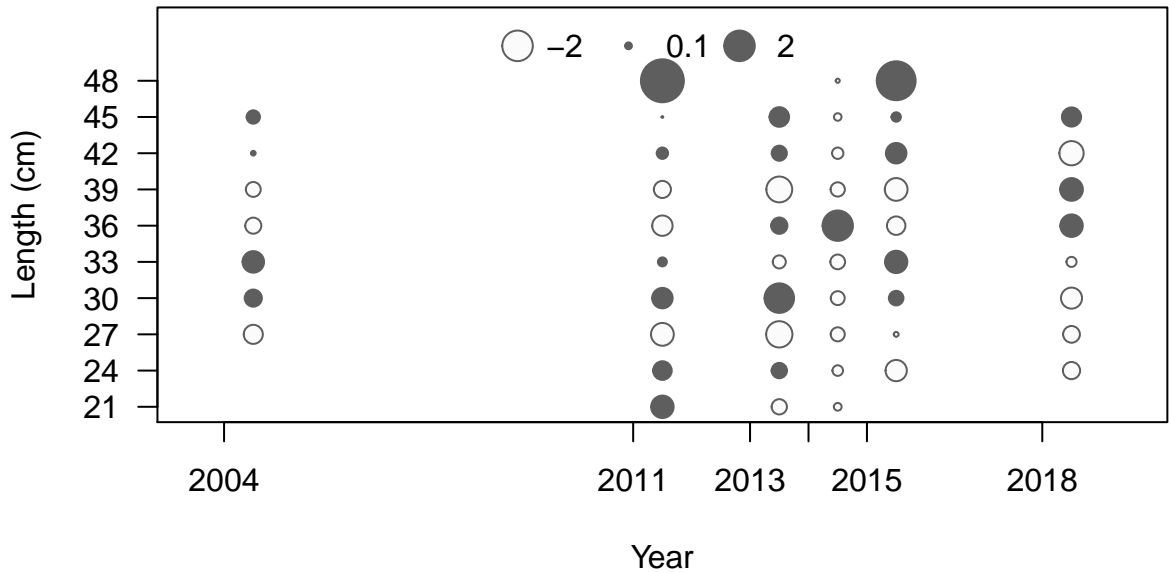


Proportion

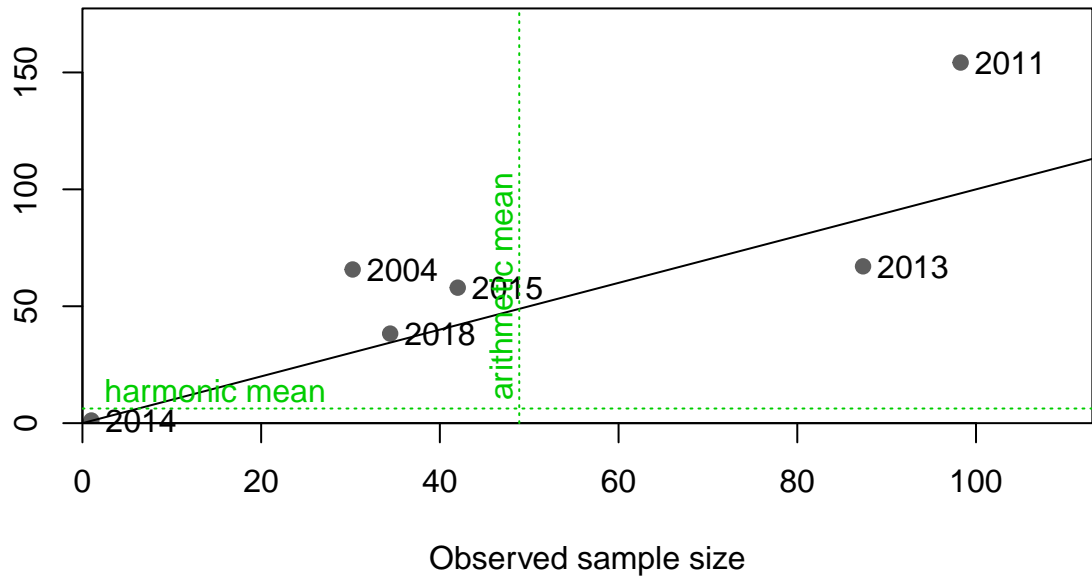


Length (cm)

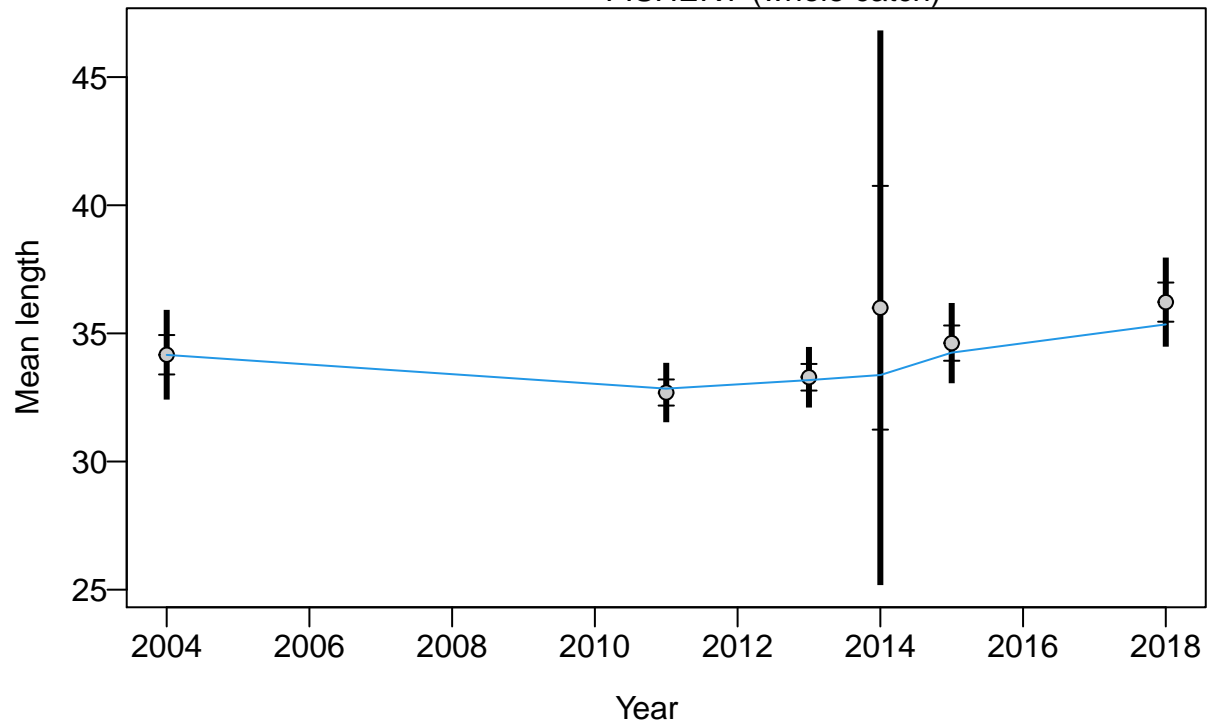


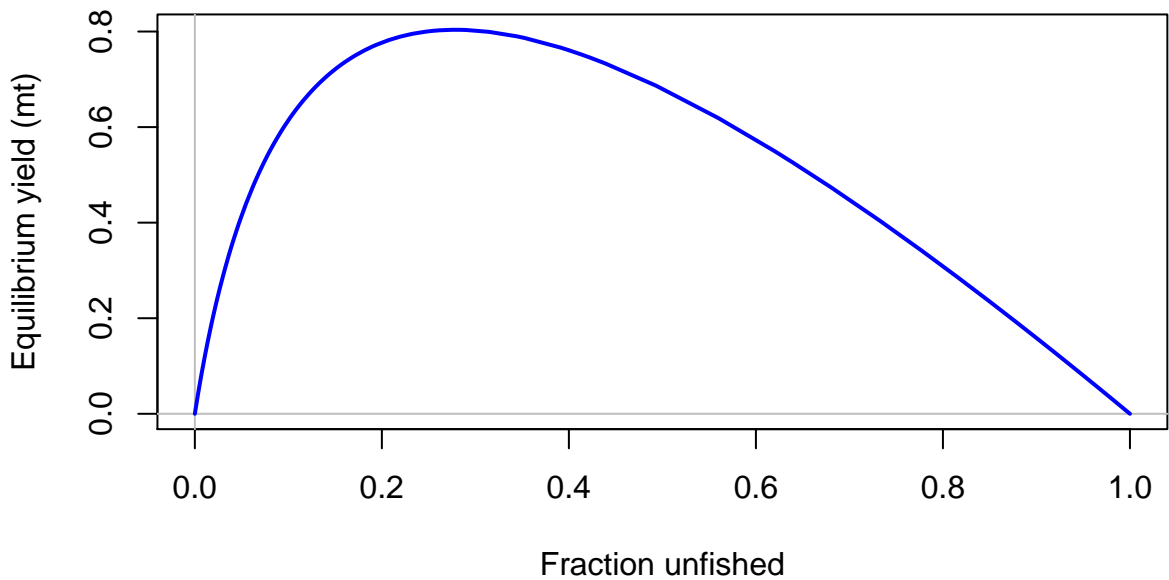


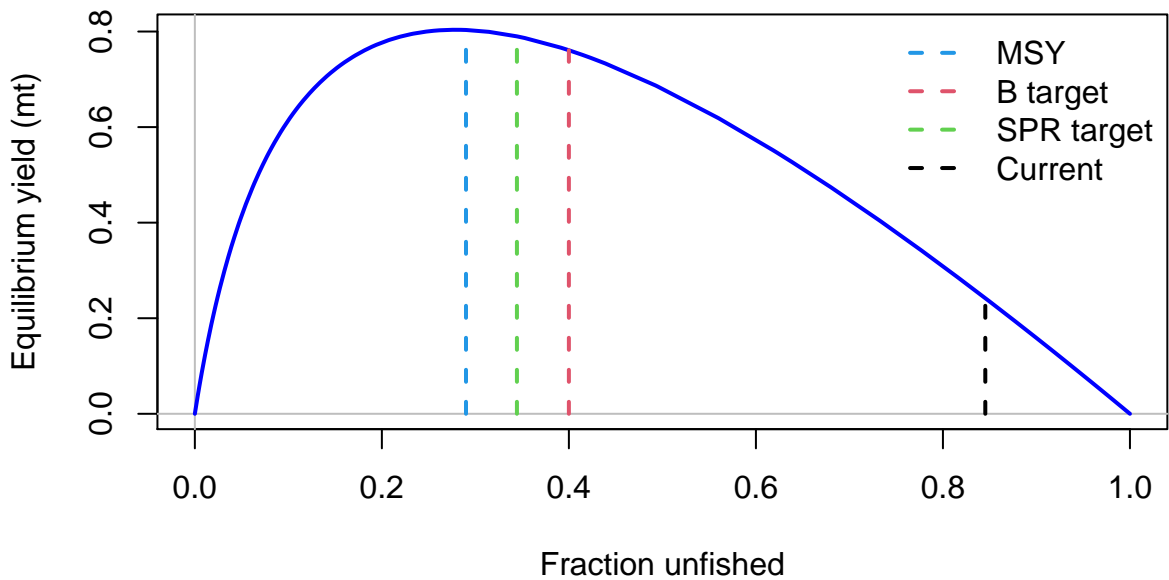
Effective sample size

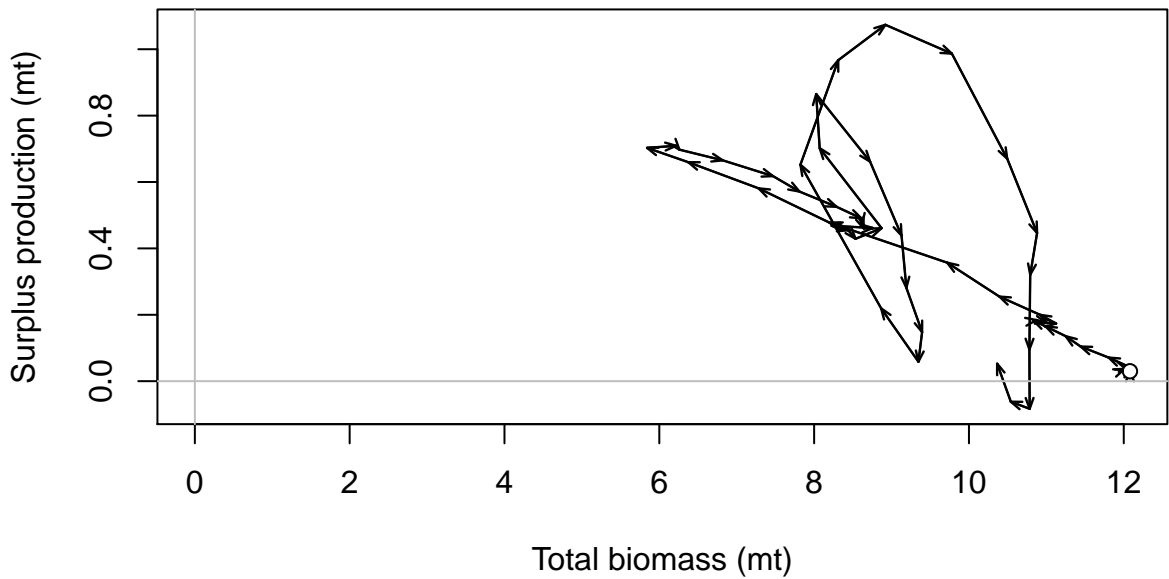


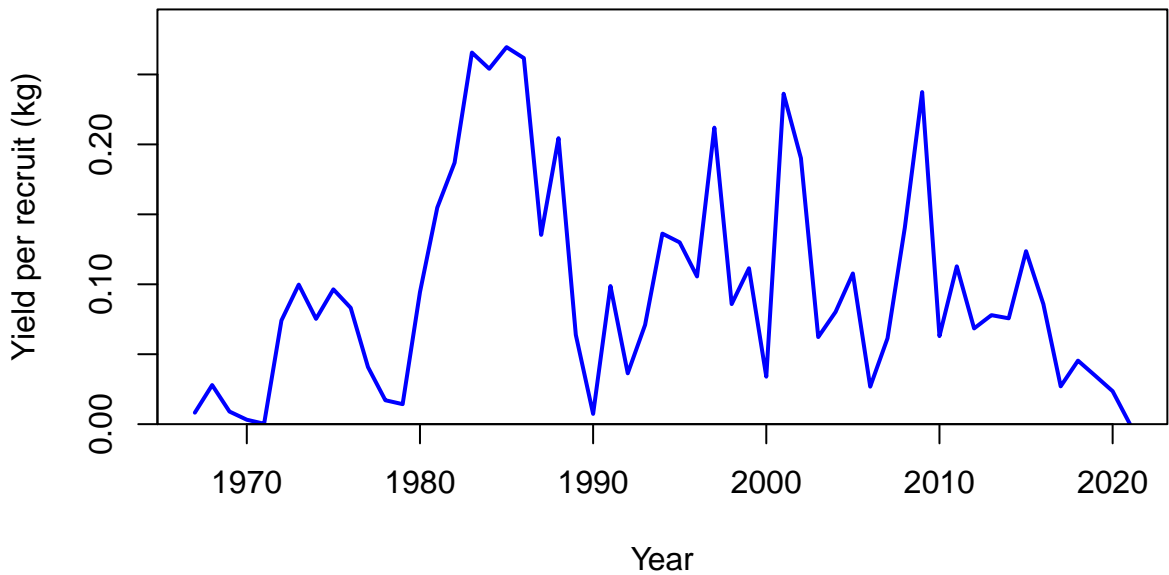
FISHERY (whole catch)

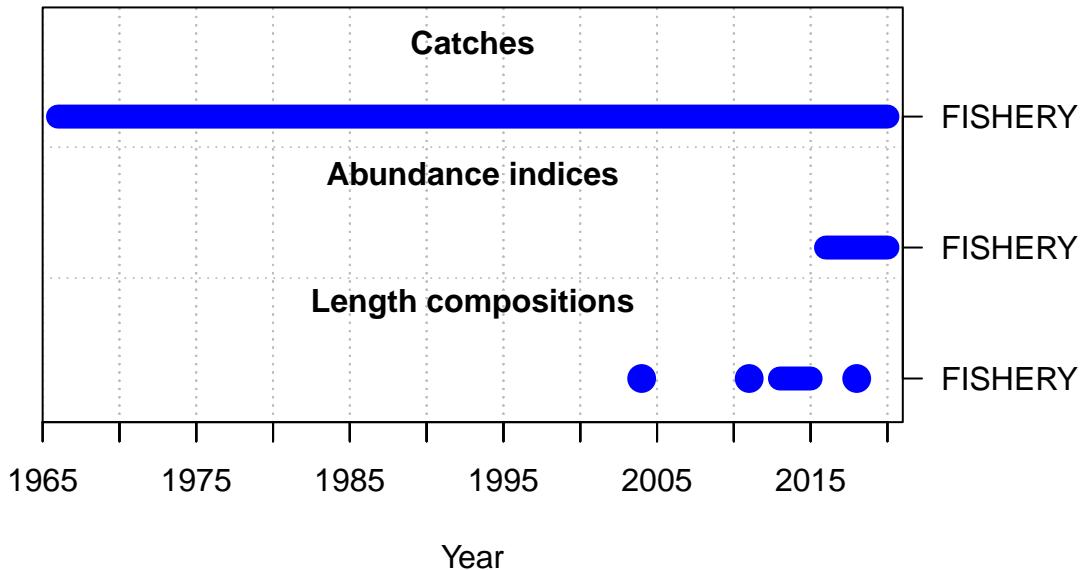




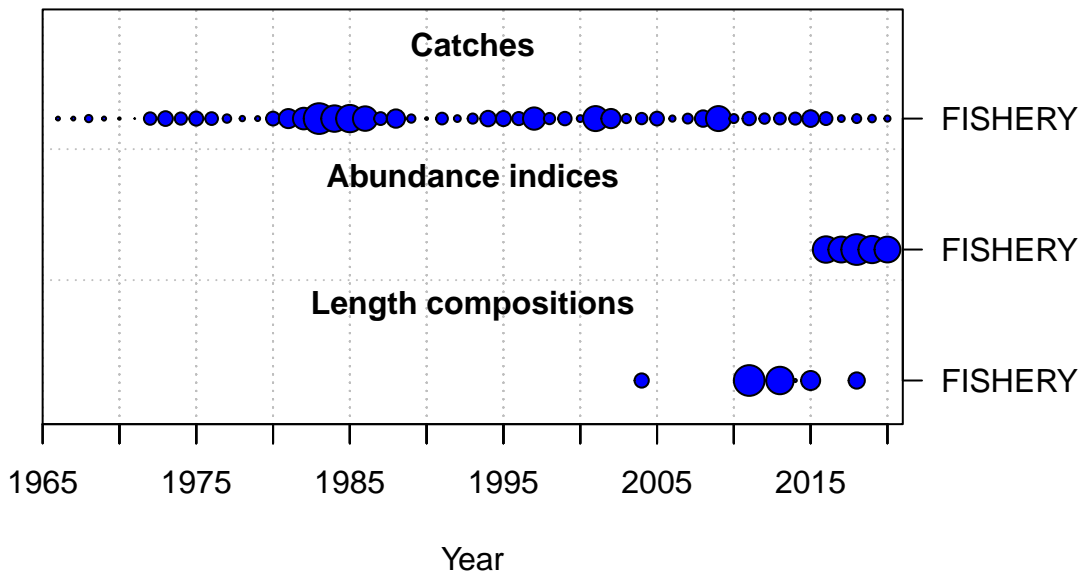




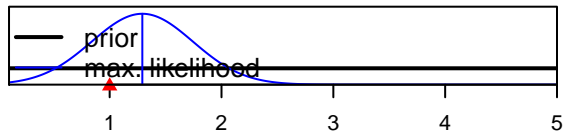




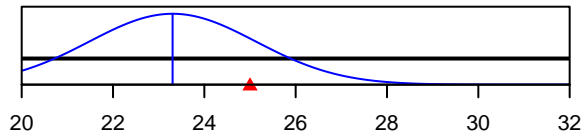




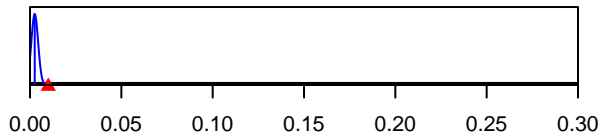
SR\_LN(R0)



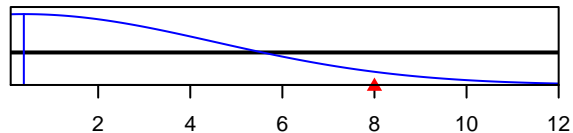
Size\_inflection\_FISHERY(1)



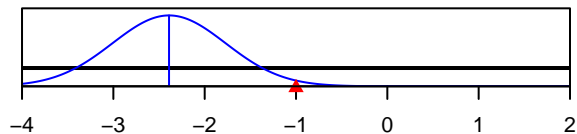
InitF\_seas\_1\_flt\_1FISHERY



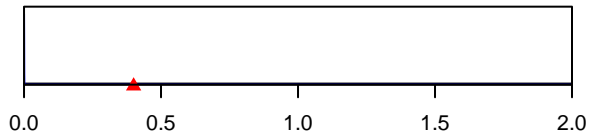
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value