

Plots created using the 'r4ss' package in R

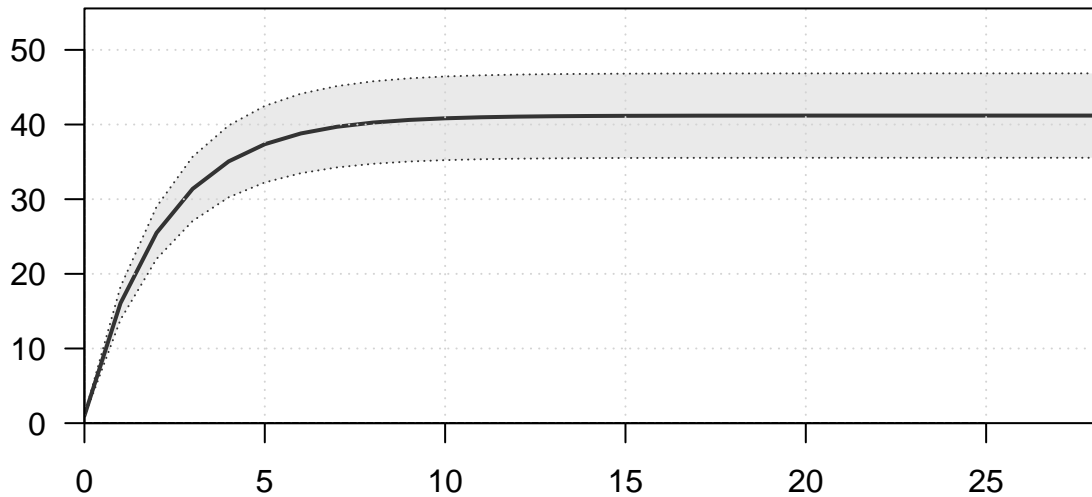
Stock Synthesis version: 3.30.19.0

StartTime: Fri Jul 29 15:11:32 2022

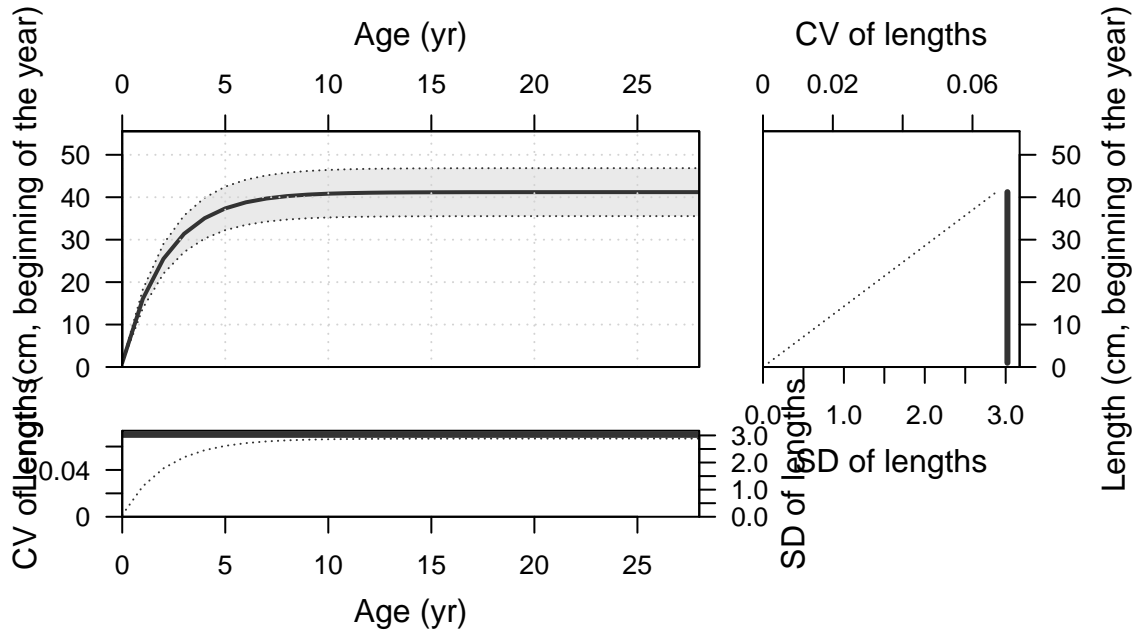
Data\_File: data.ss

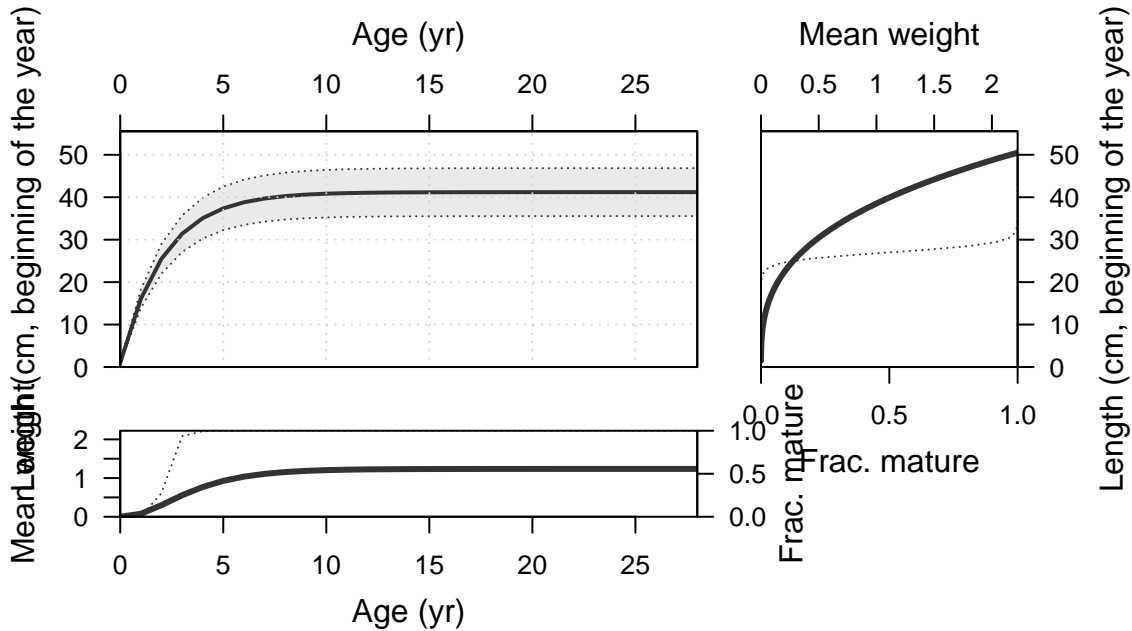
Control\_File: control.ss

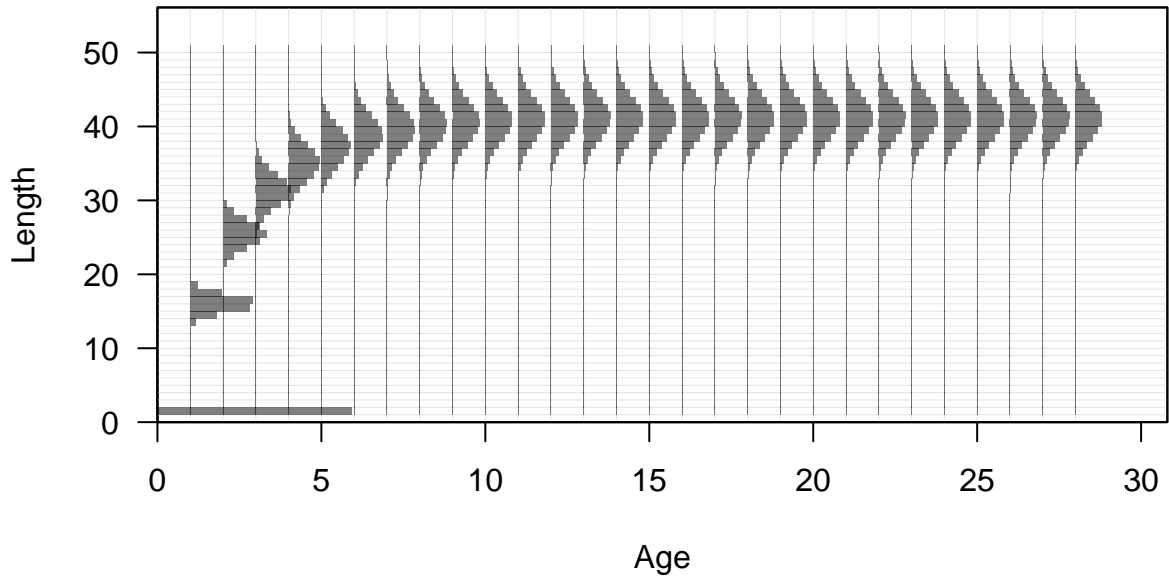
Length (cm, beginning of the year)

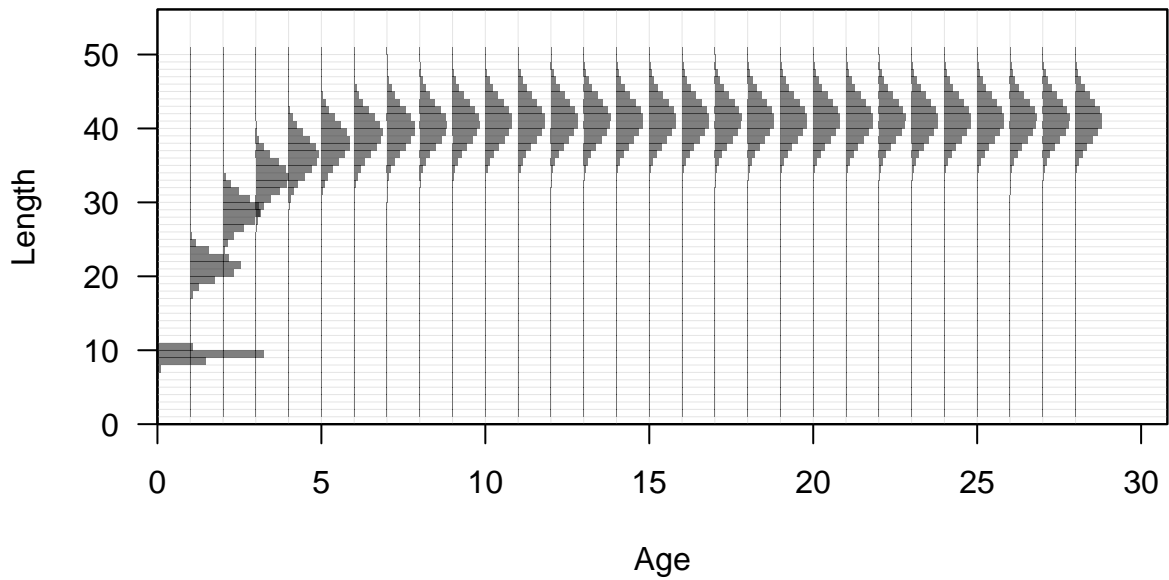


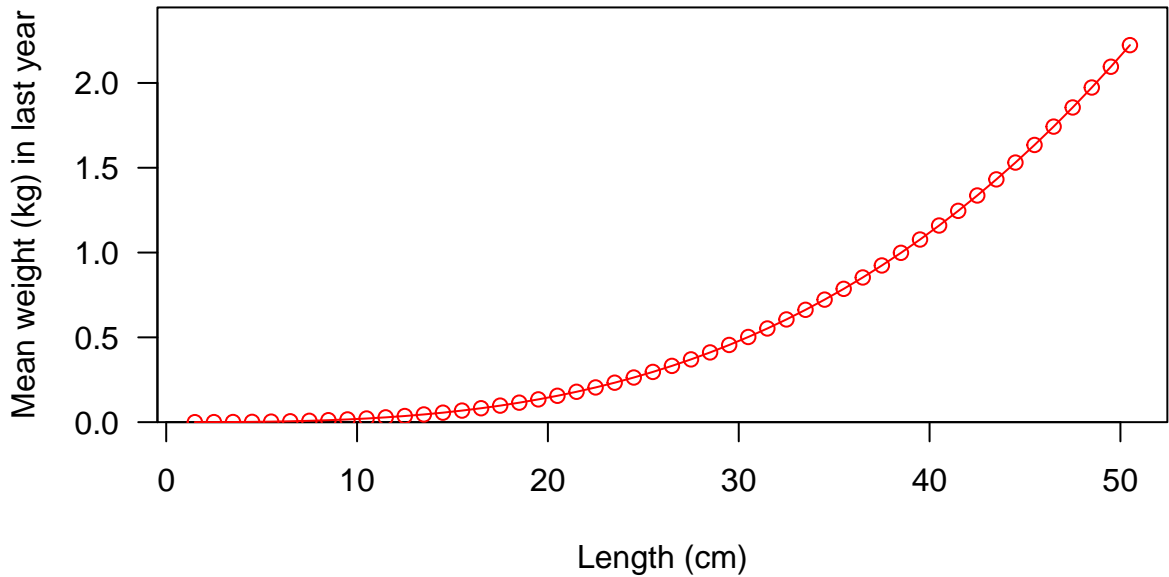
Age (yr)

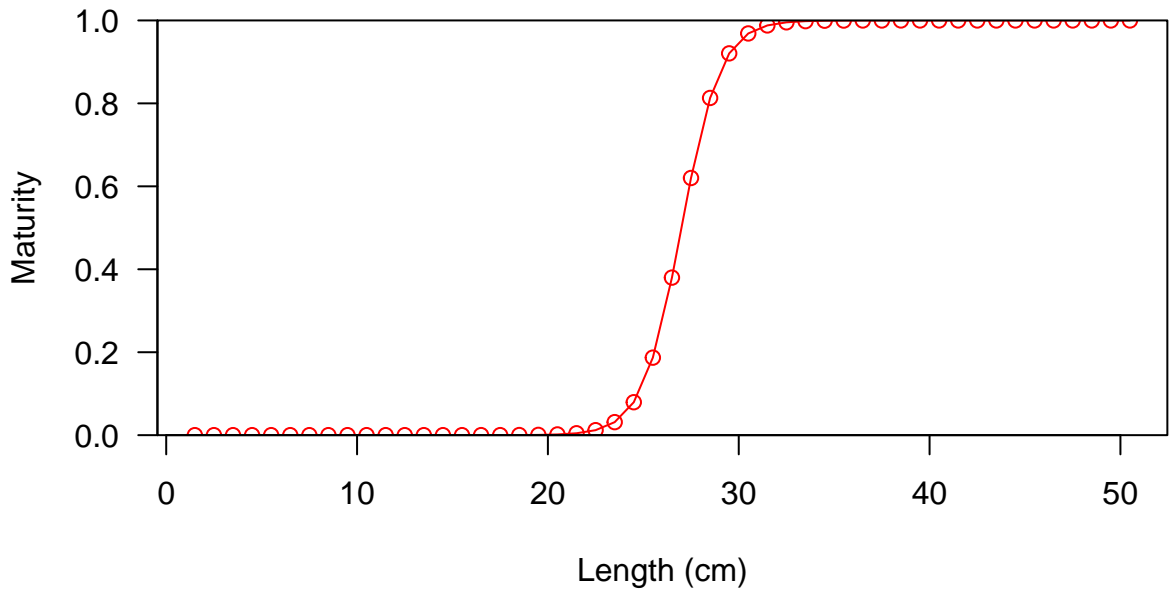




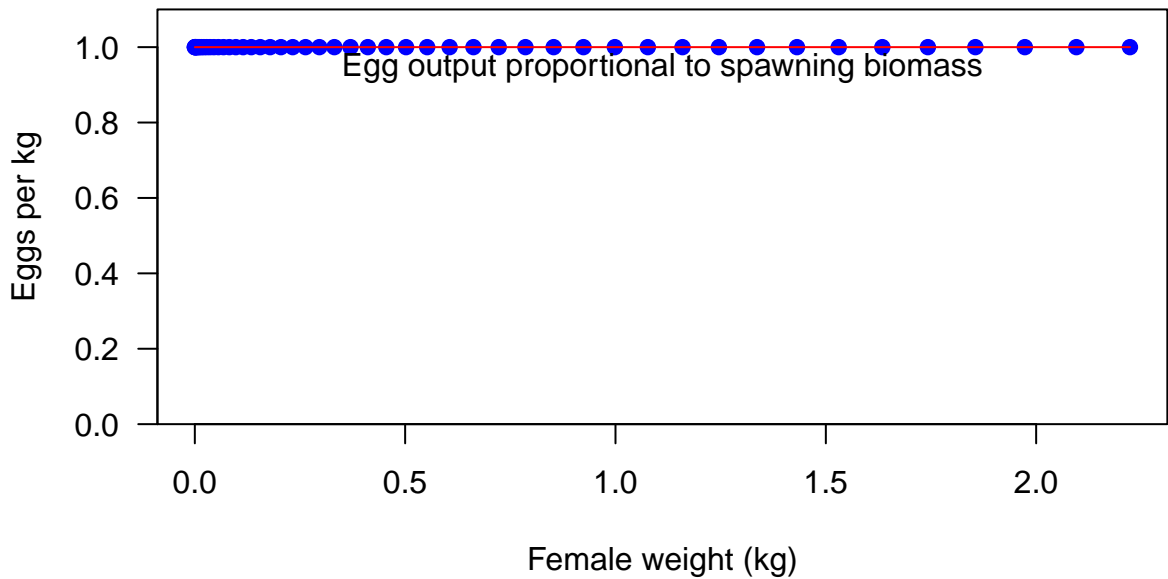


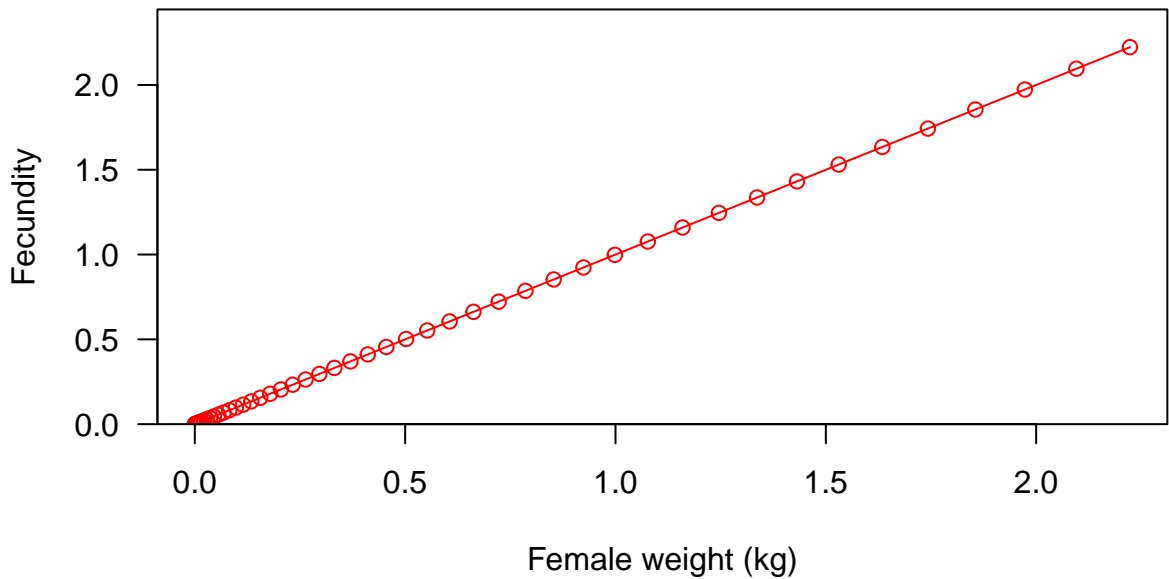


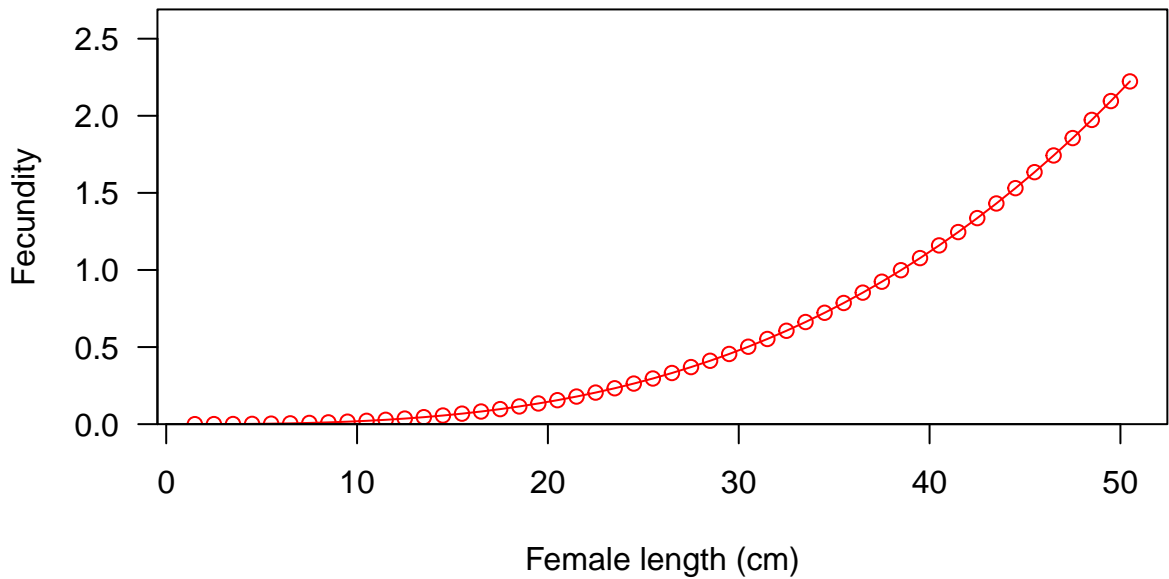


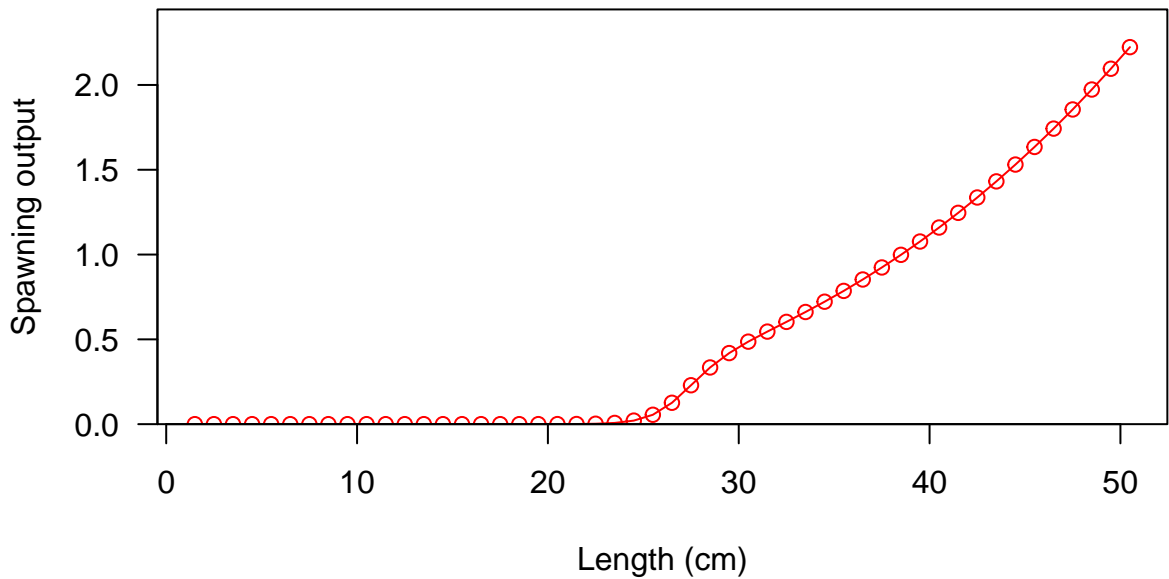


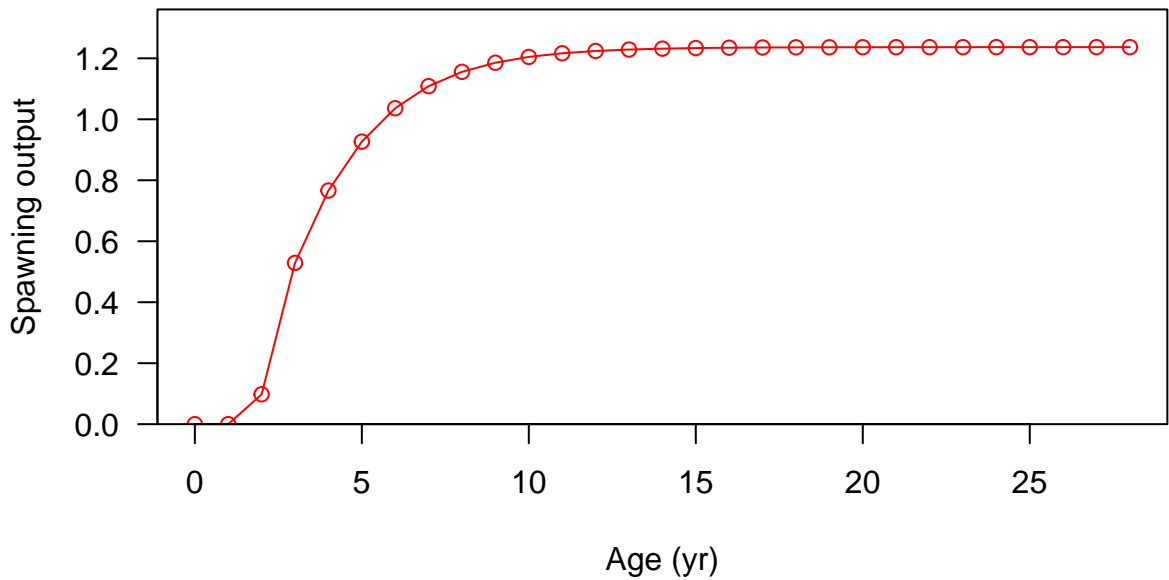




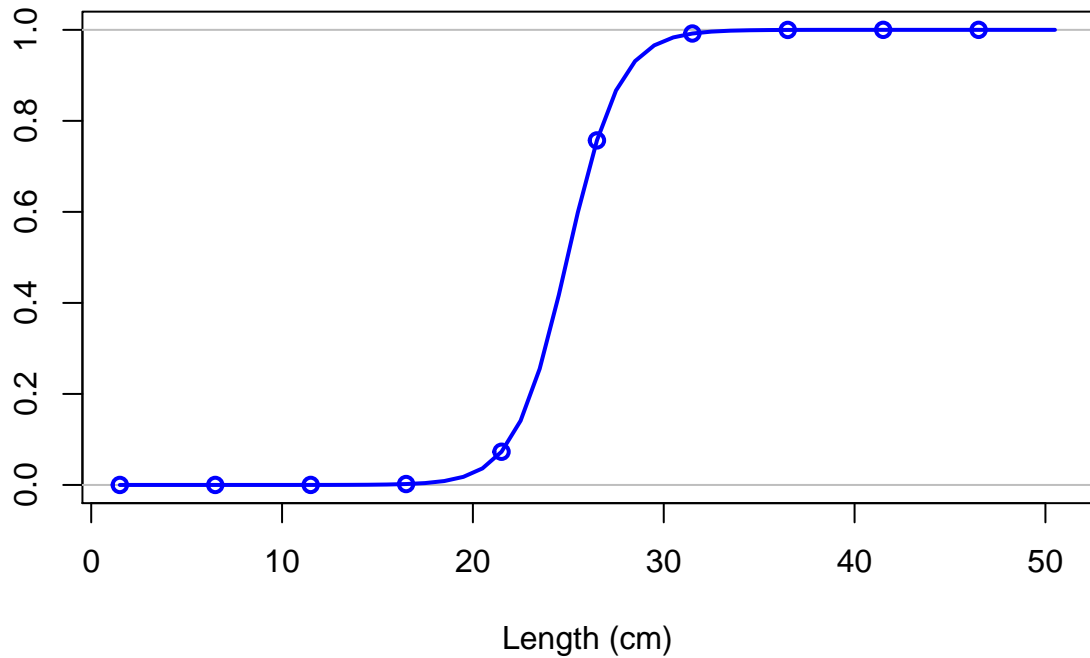




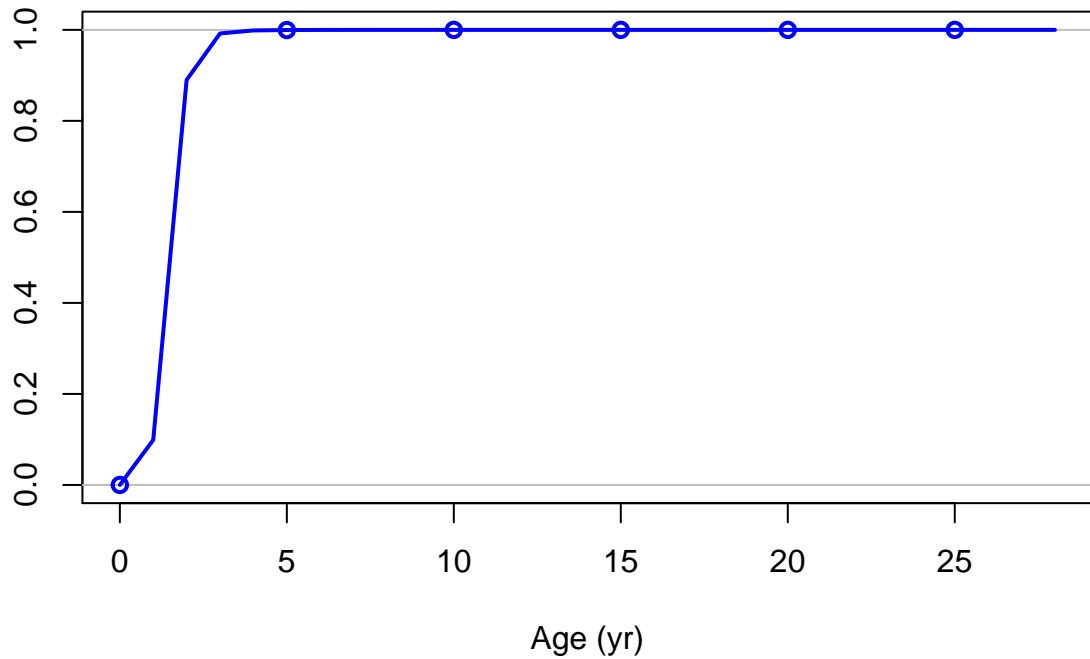




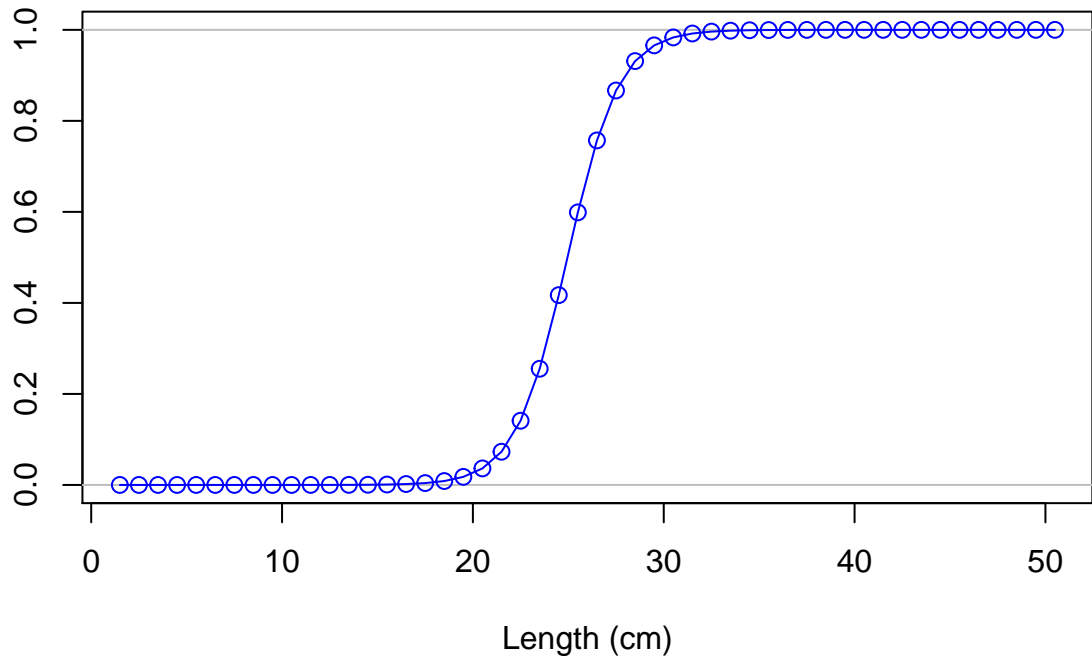
Selectivity



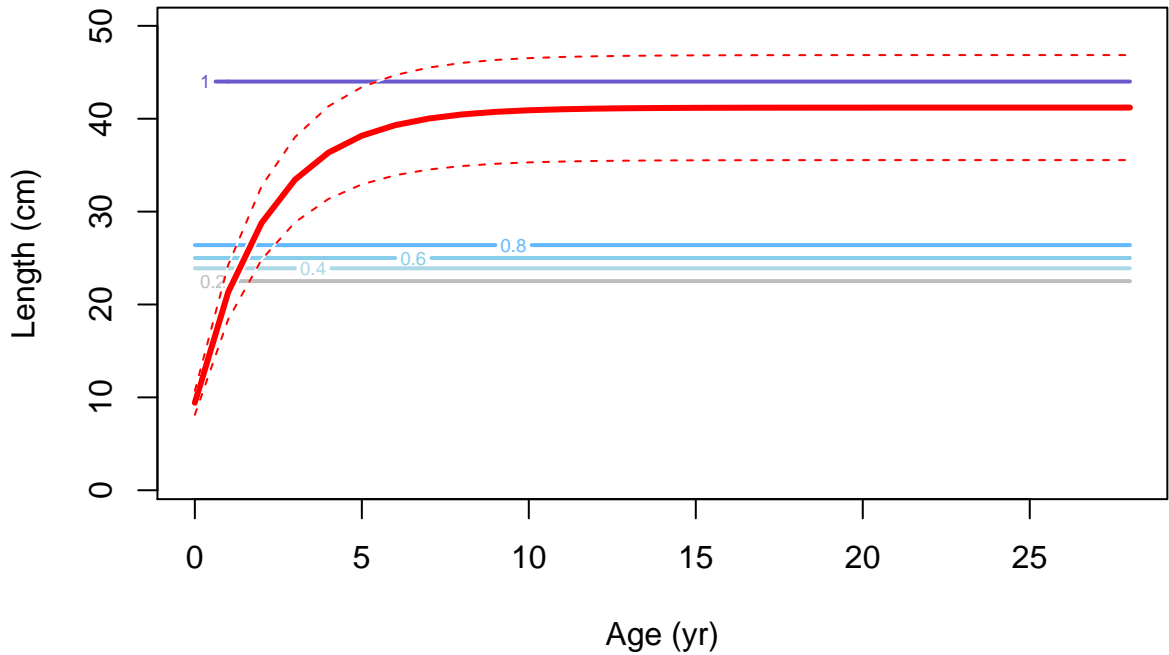
Selectivity



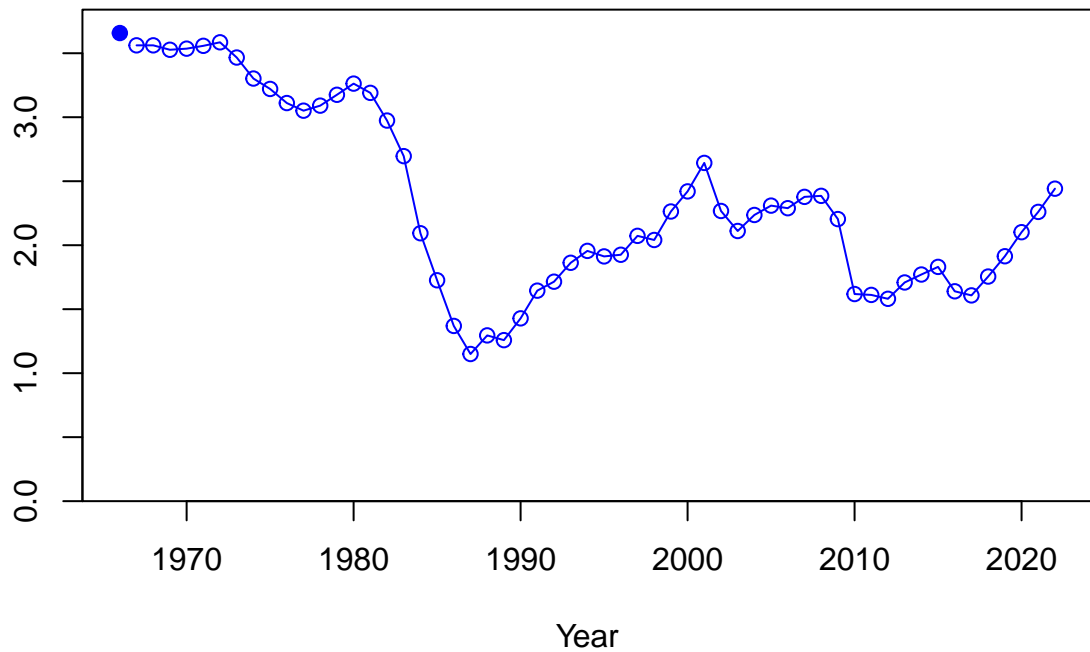
Selectivity

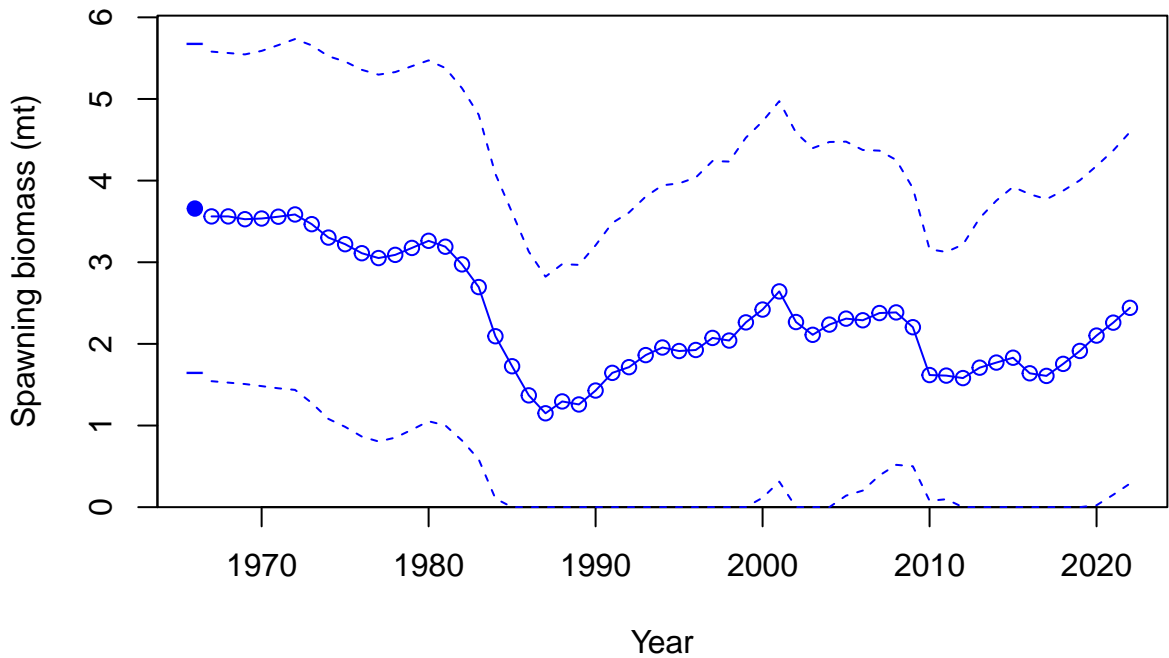




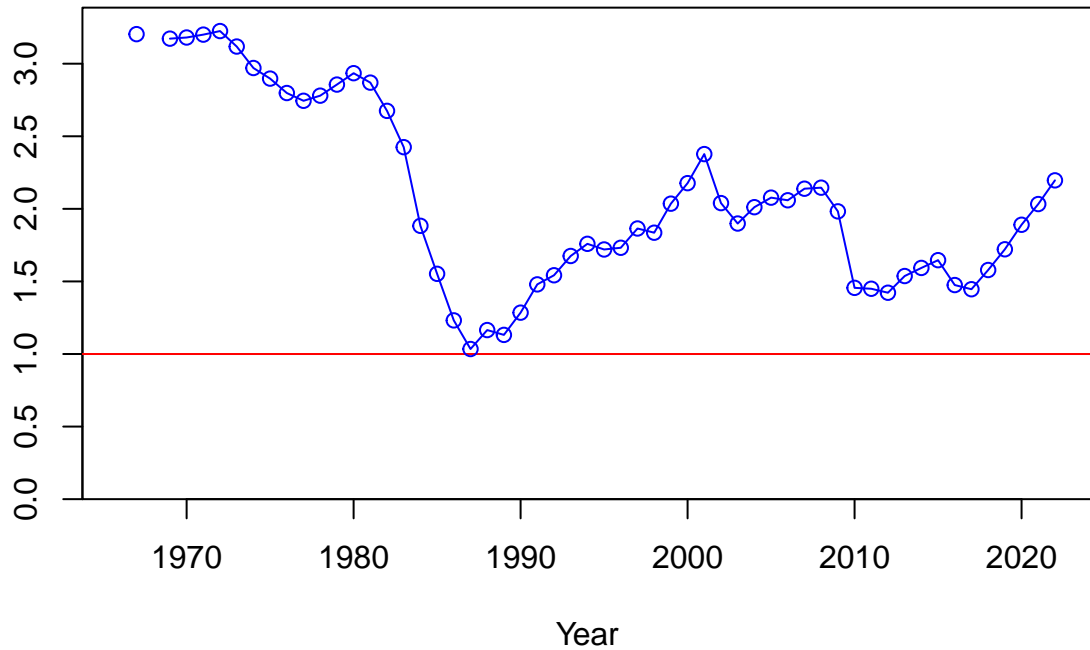


Spawning biomass (mt)

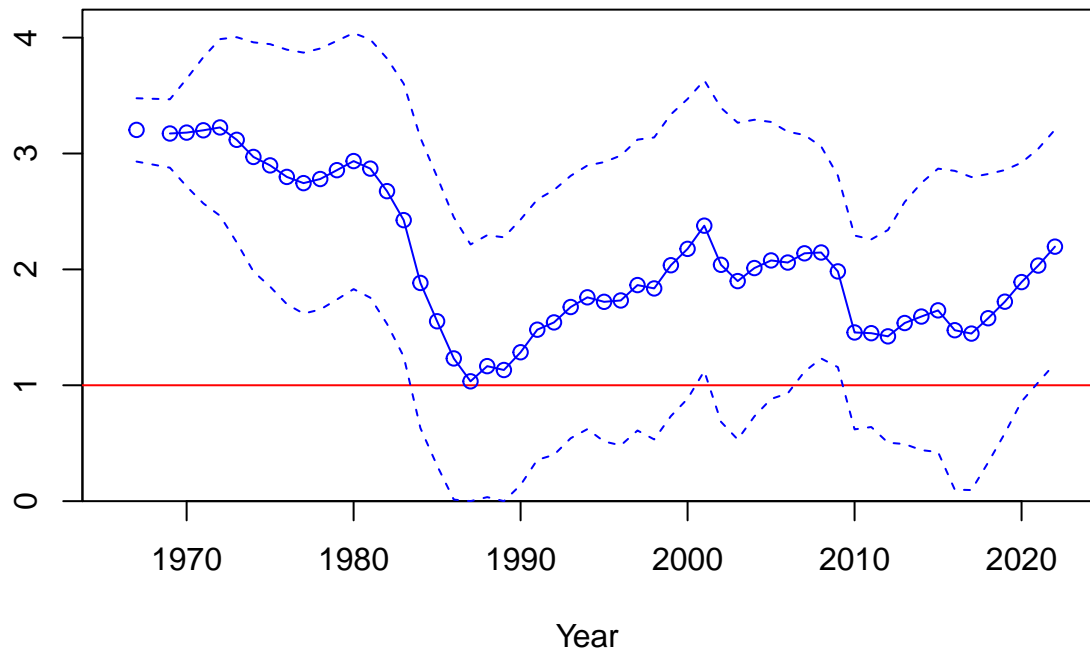


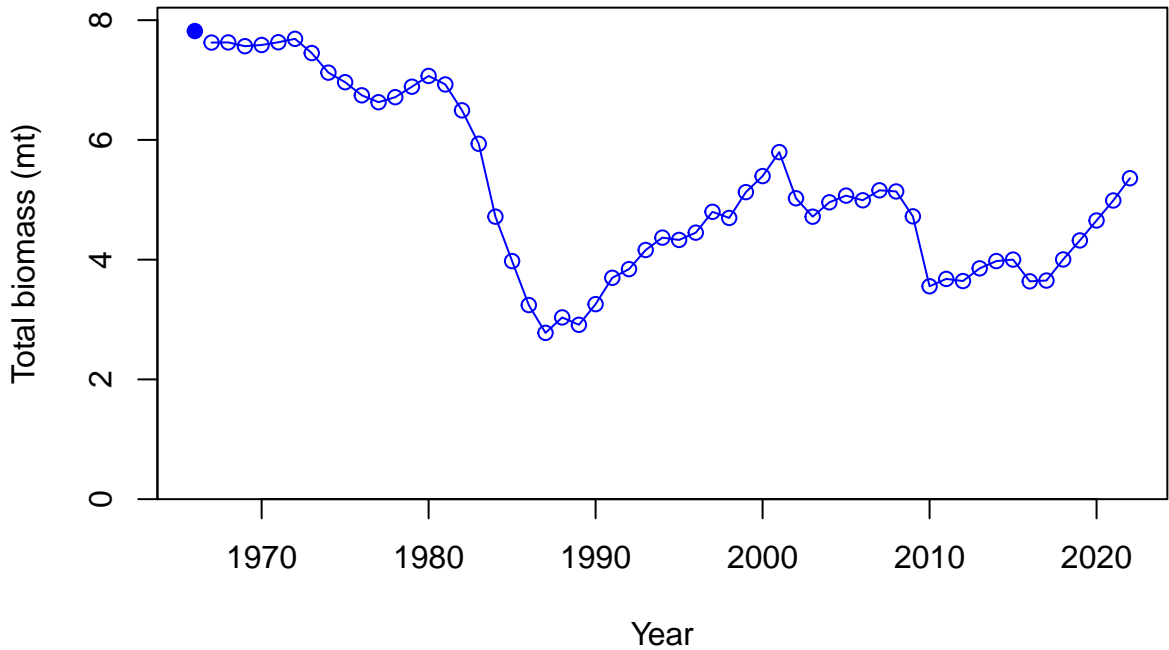


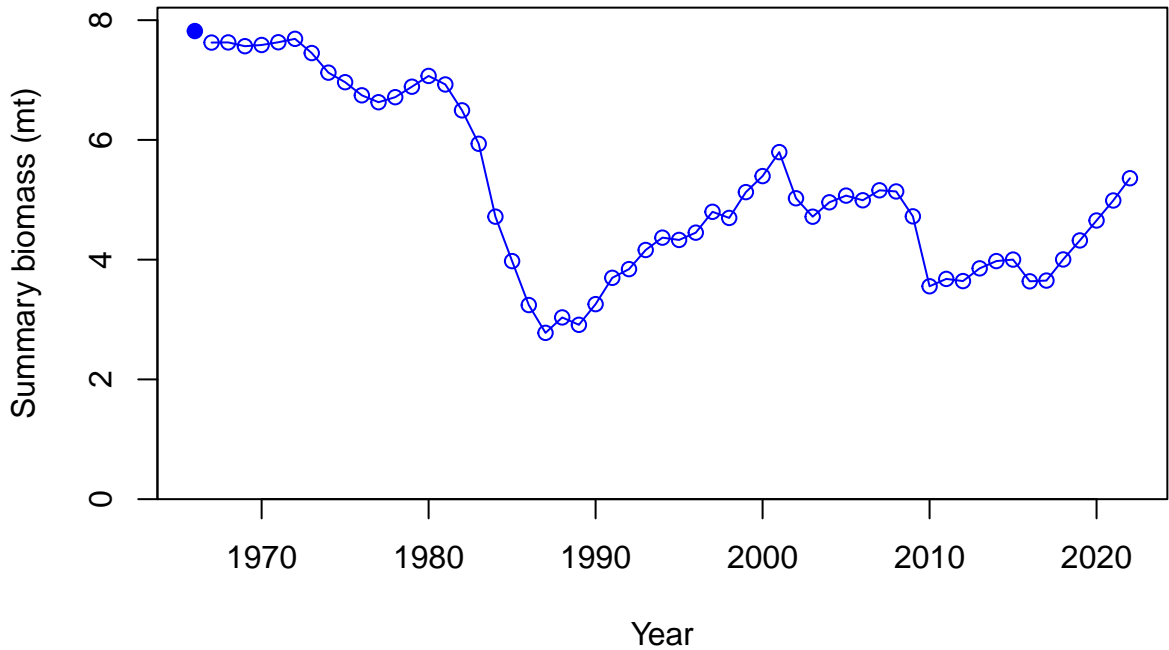
Relative spawning biomass:  $B/B_{MSY}$



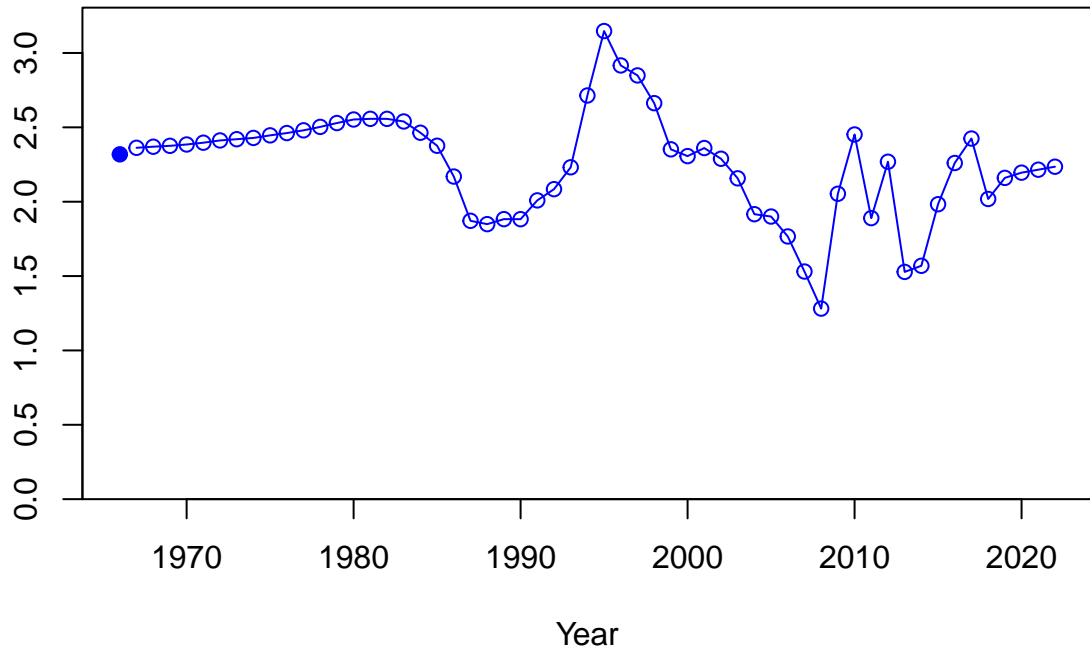
Relative spawning biomass:  $B/B_{MSY}$





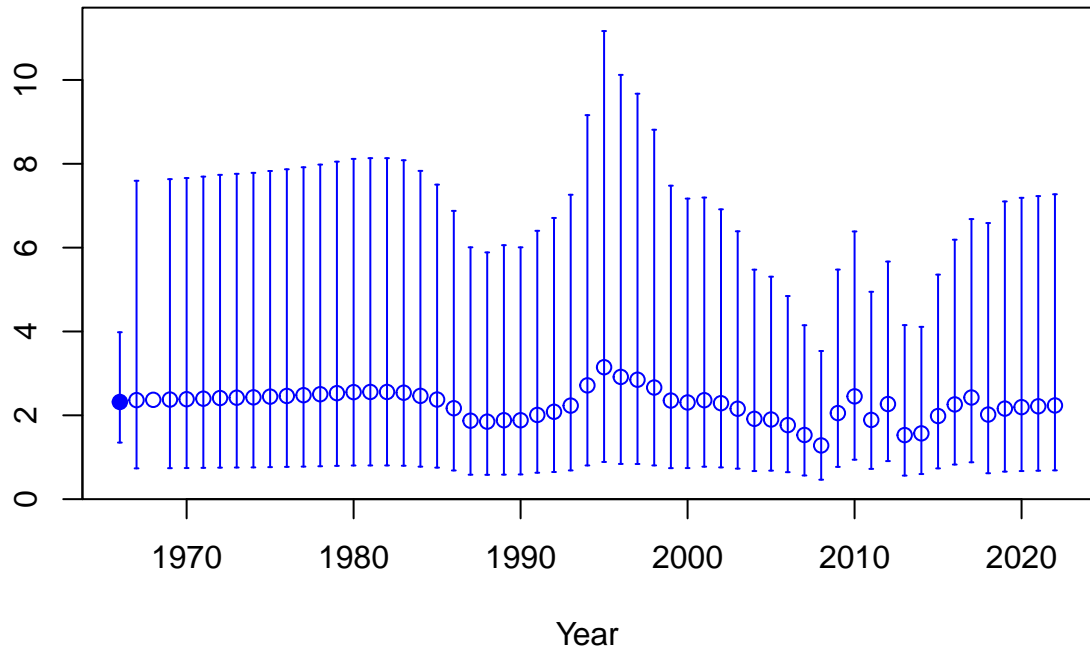


Age-0 recruits (1,000s)

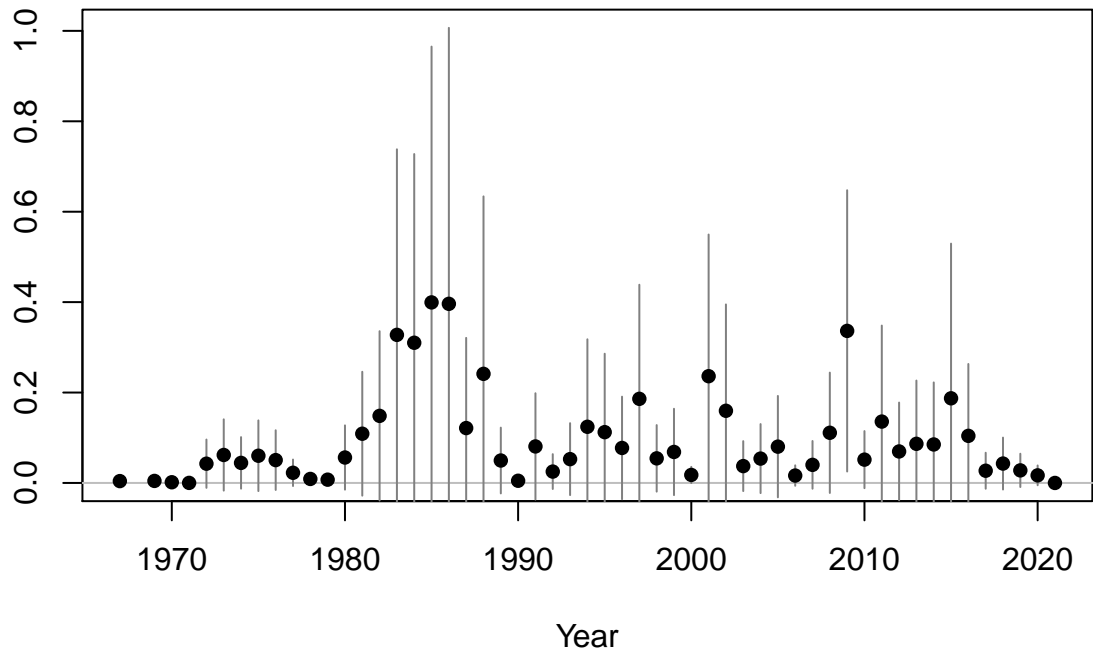


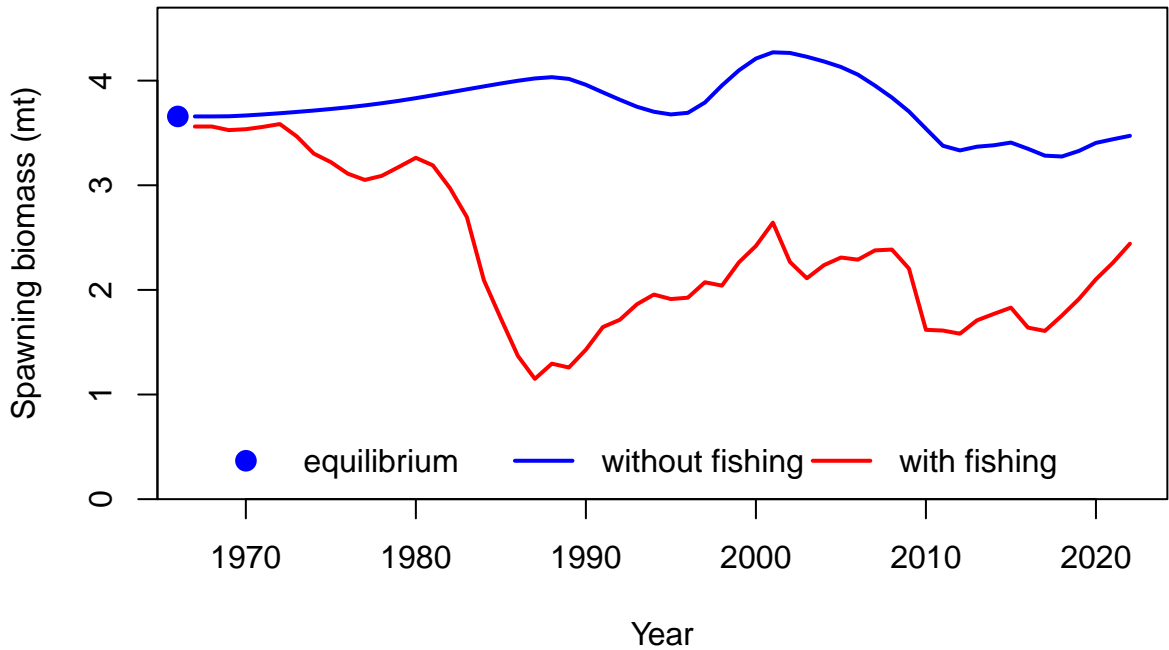


Age-0 recruits (1,000s)

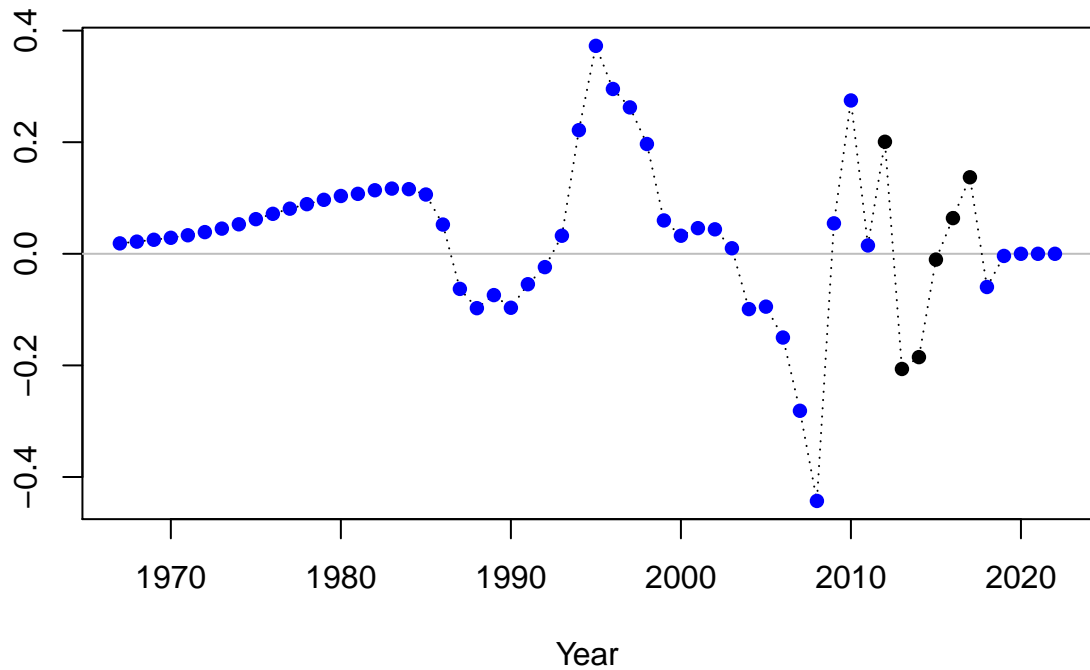


Summary Fishing Mortality





Log recruitment deviation



Log recruitment deviation

-1.0  
-0.5  
0.0  
0.5  
1.0  
1.5

1970

1980

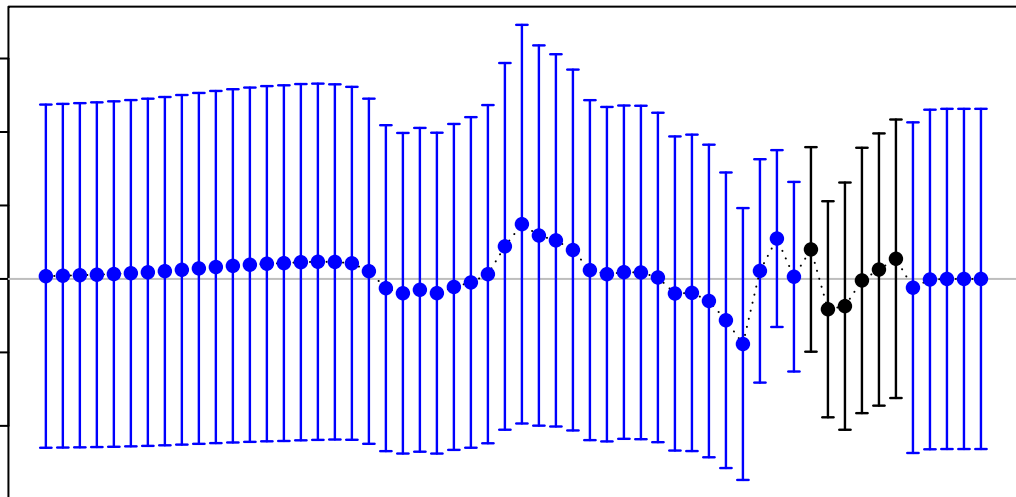
1990

2000

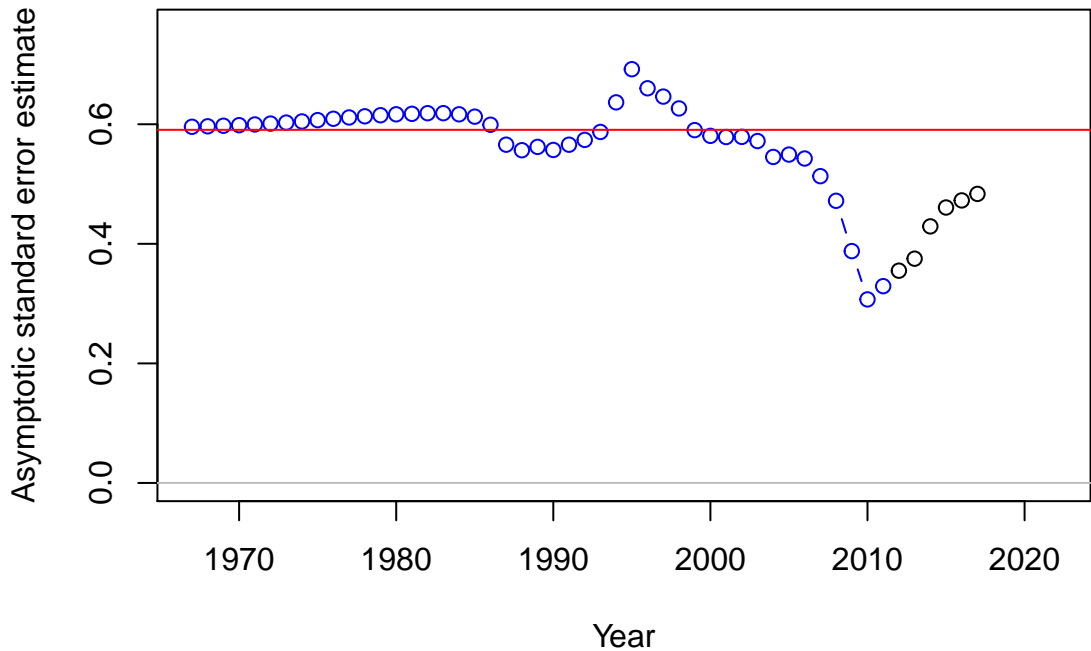
2010

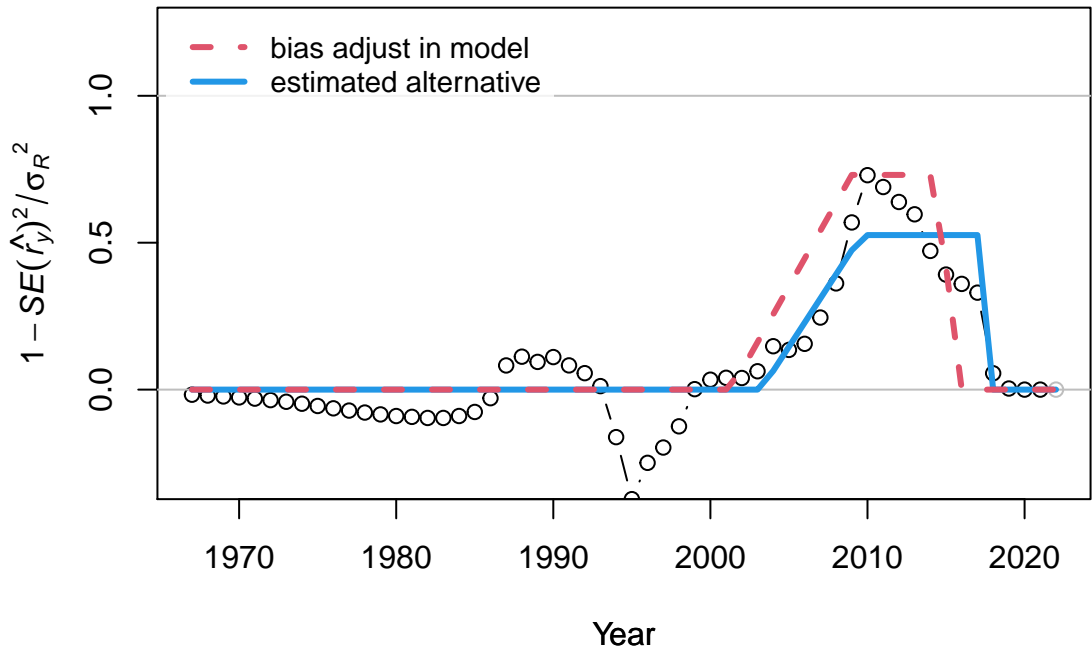
2020

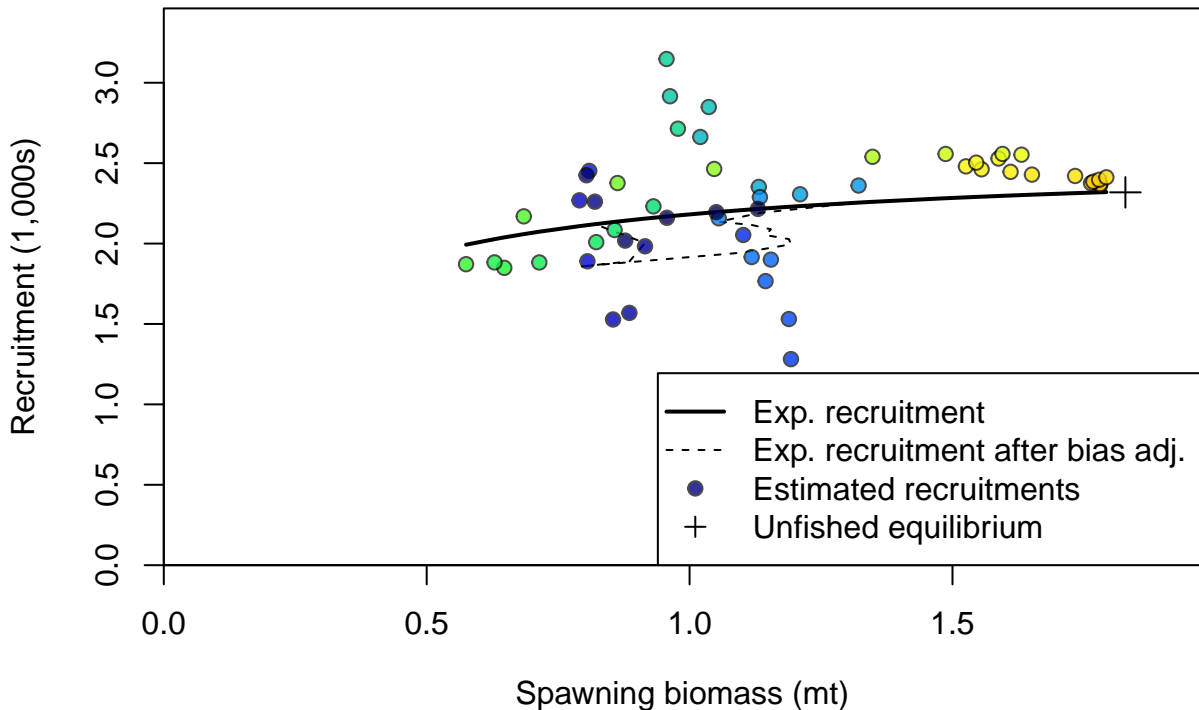
Year



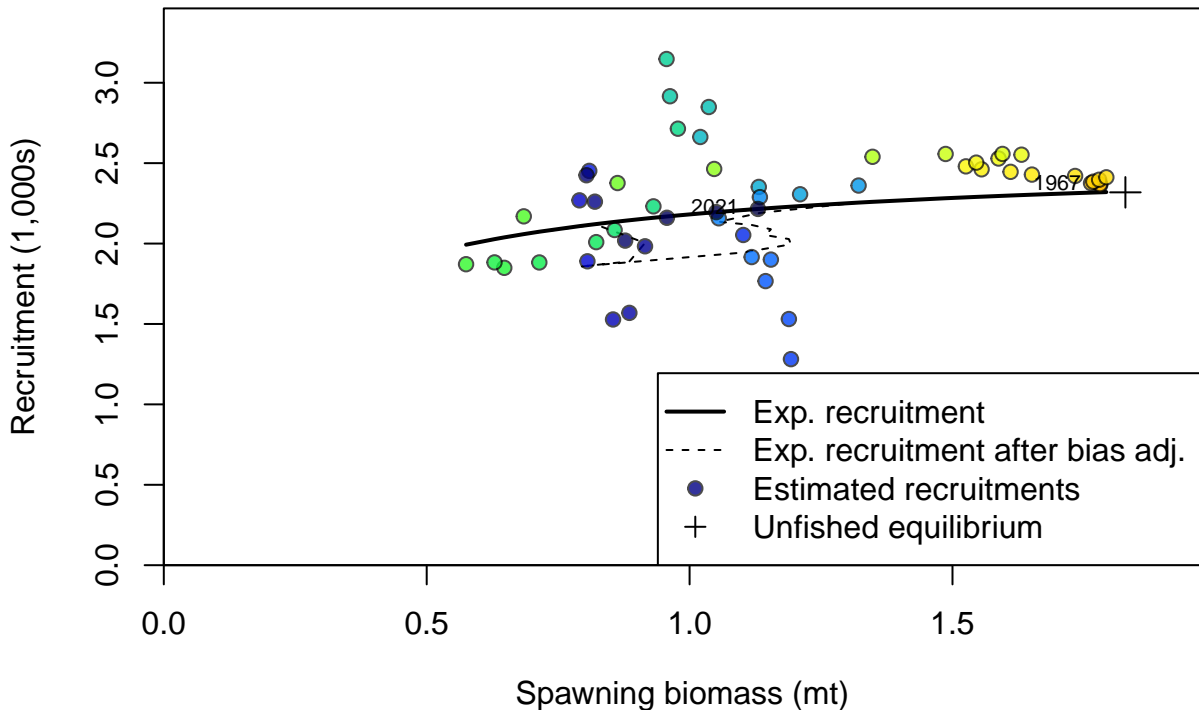
## Recruitment deviation variance



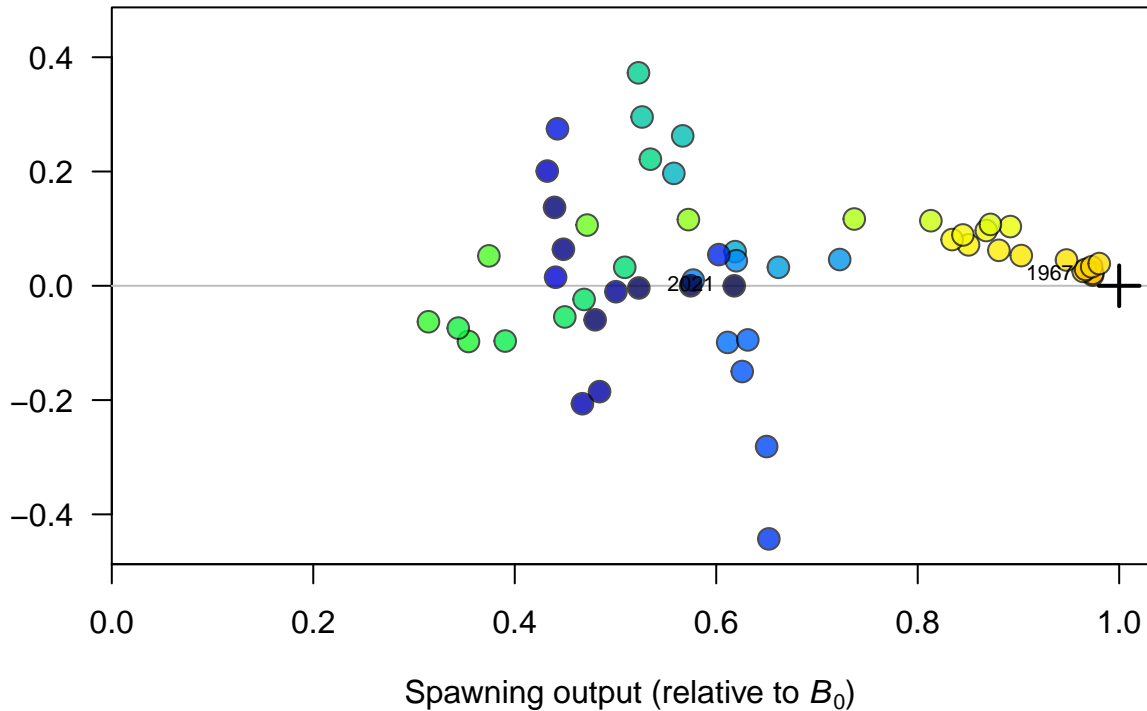


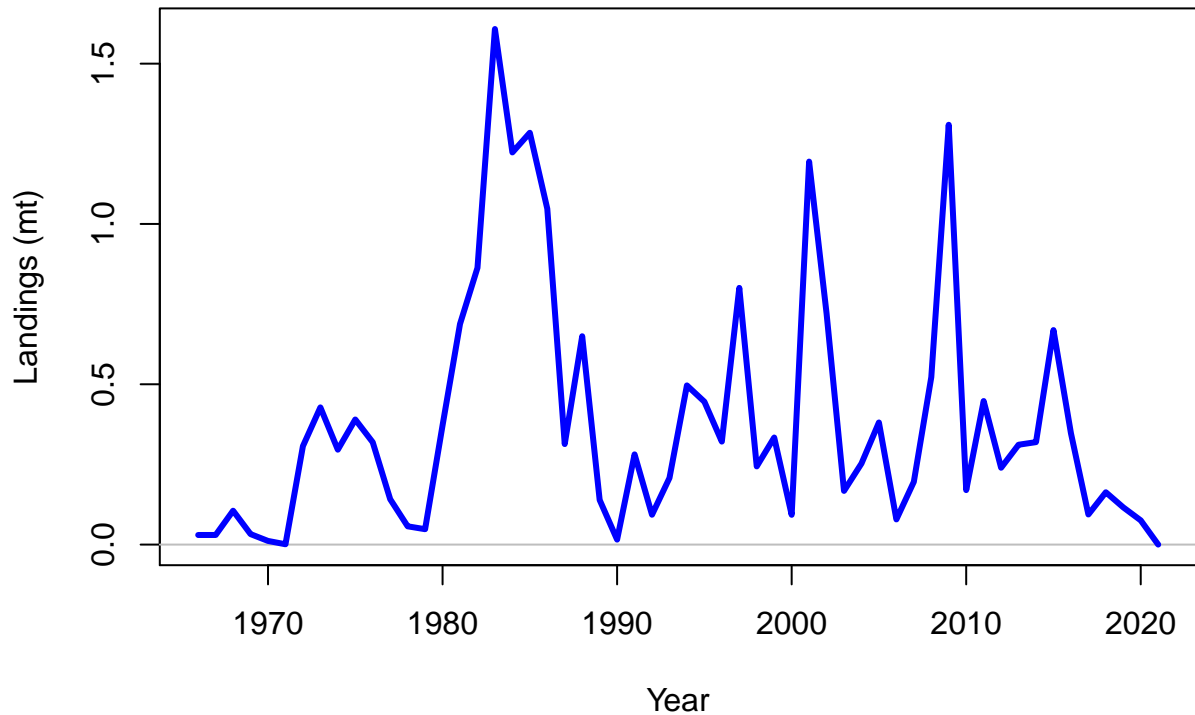


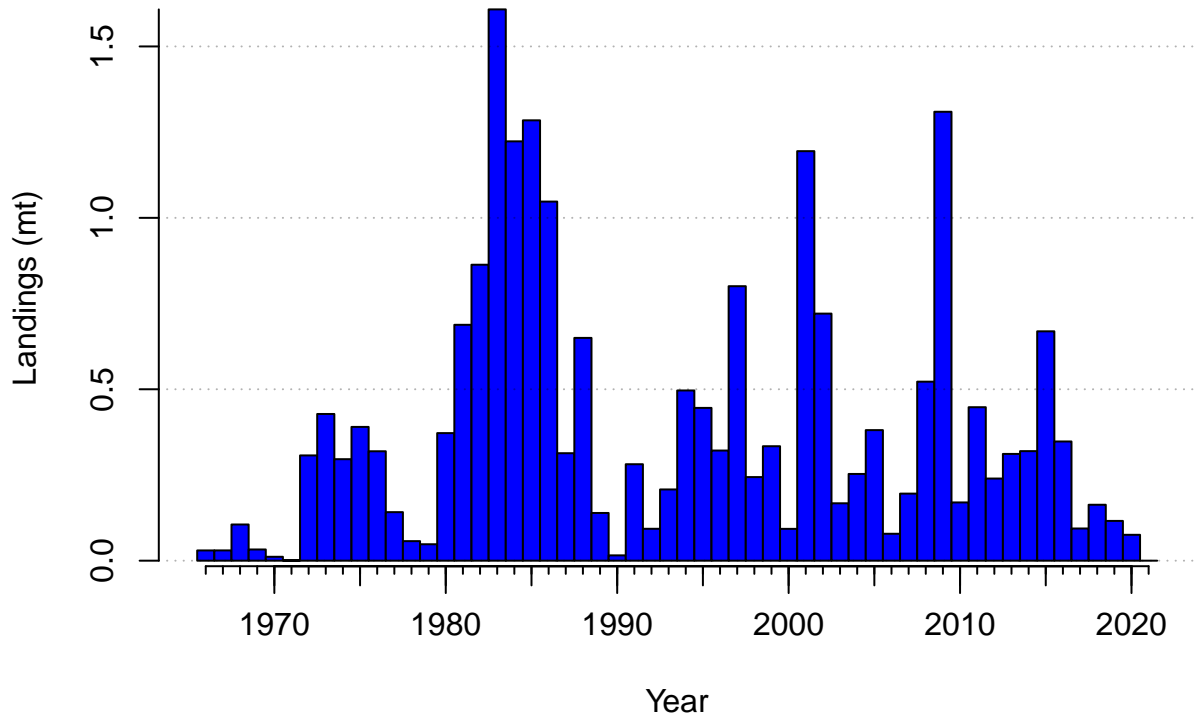


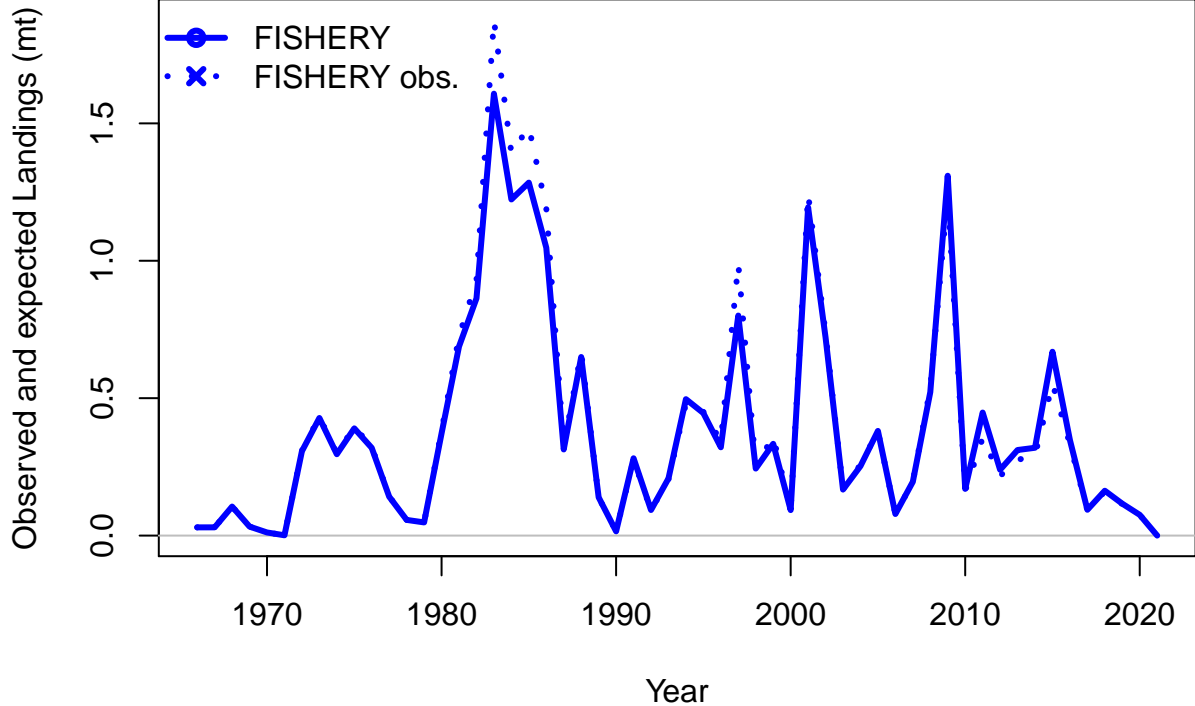


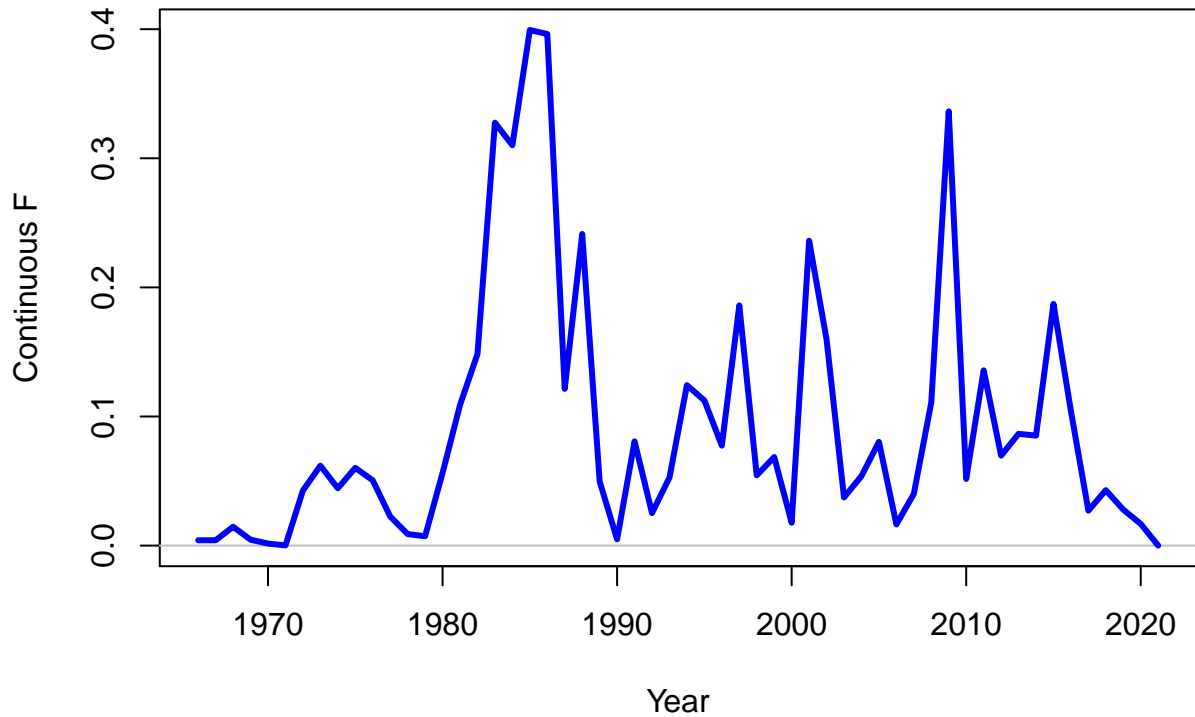
Log recruitment deviation



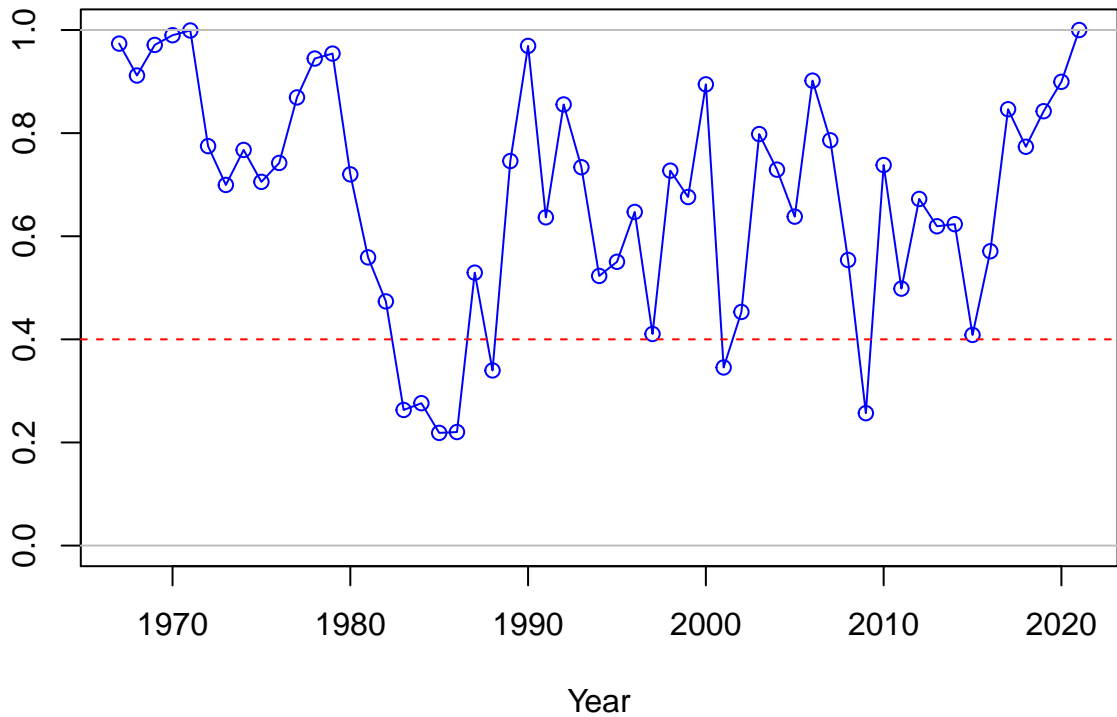




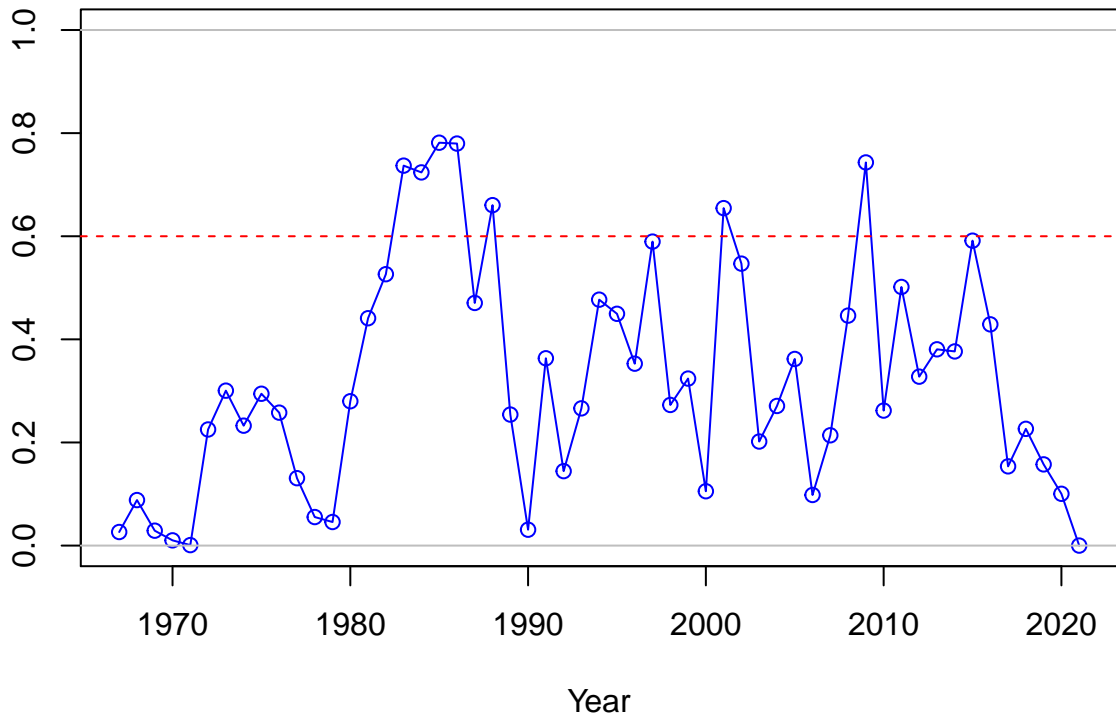




SPR

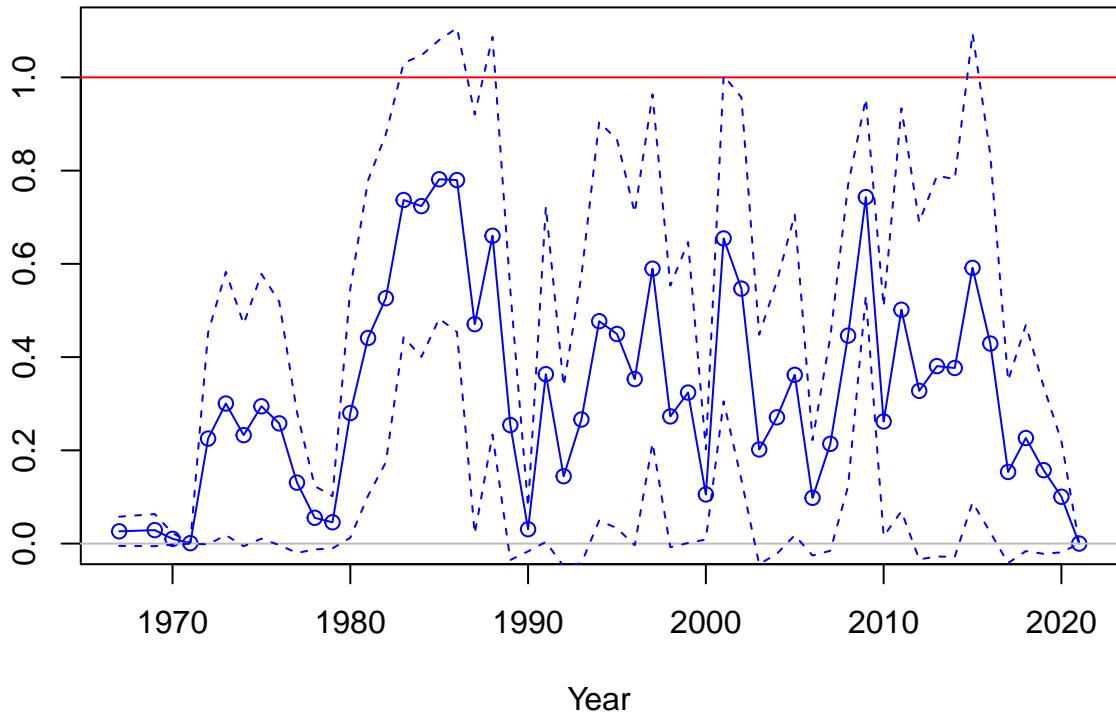


1-SPR

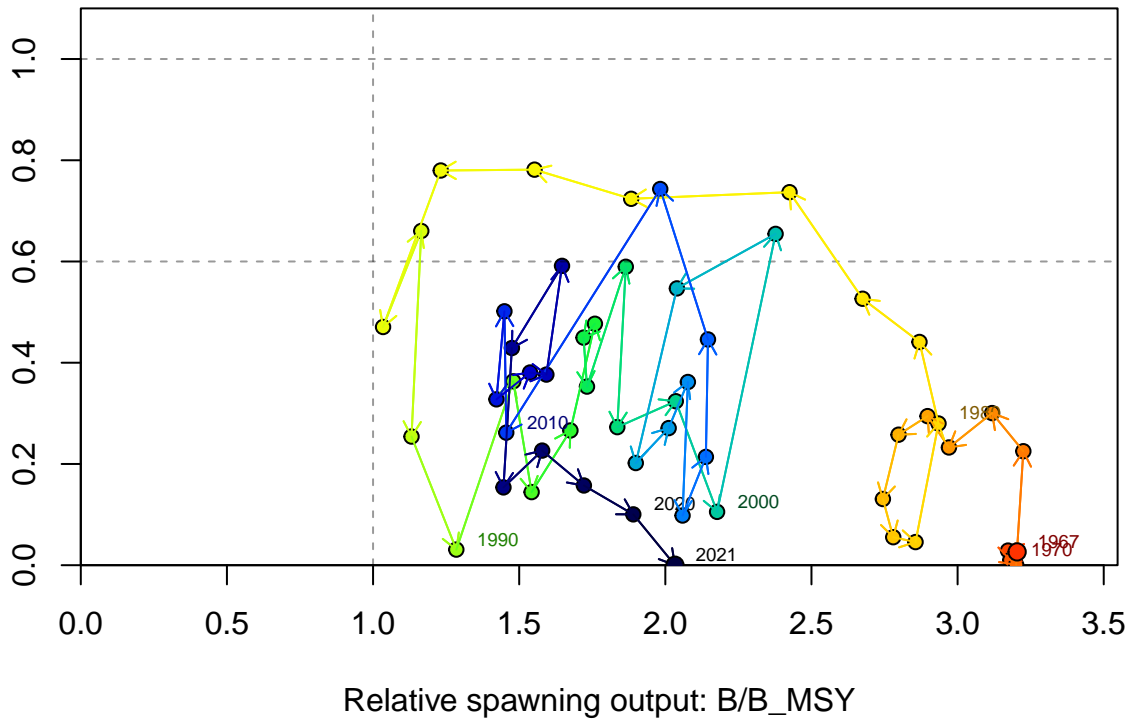




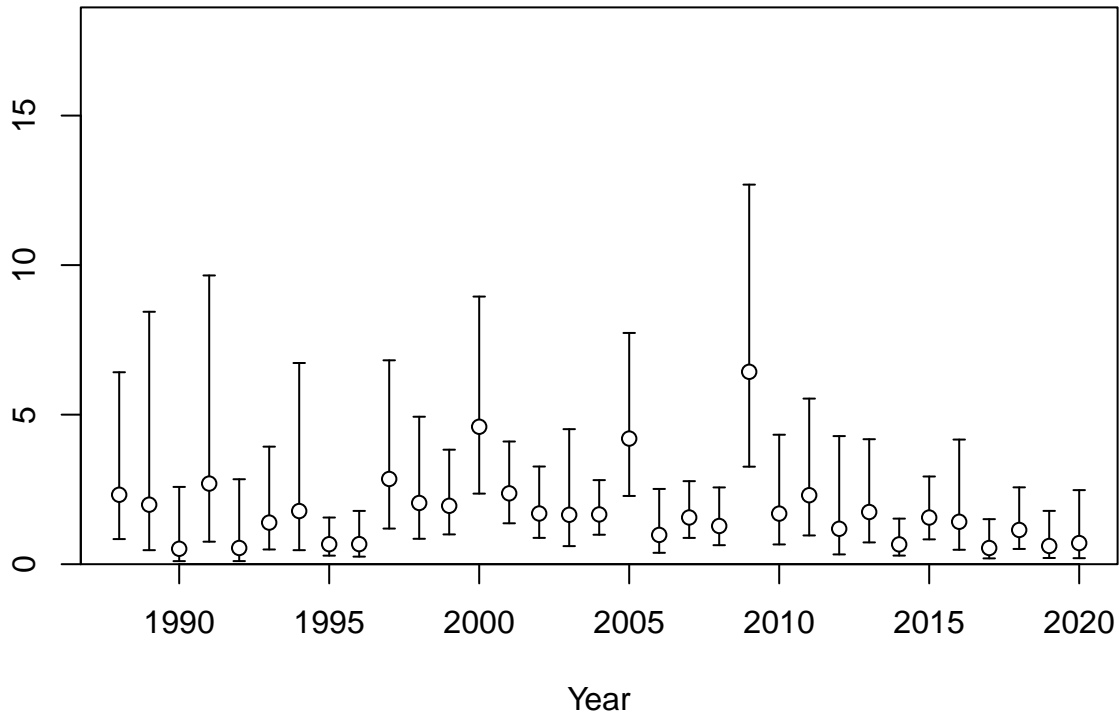
Fishing intensity: 1-SPR



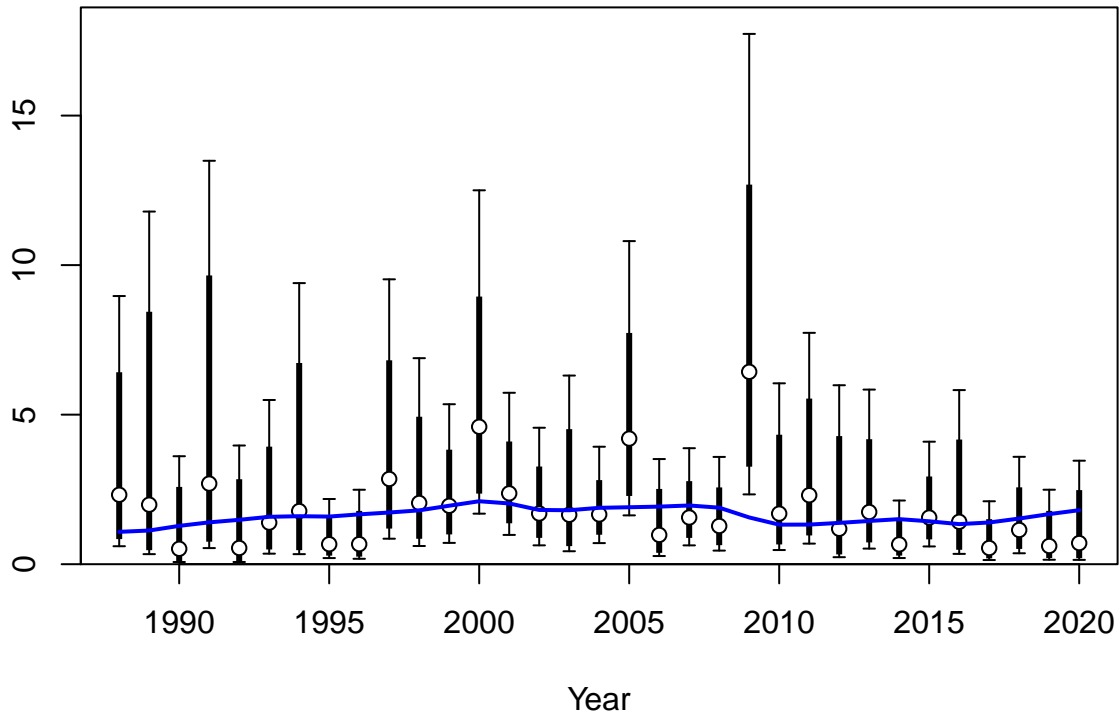
Fishing intensity: 1-SPR

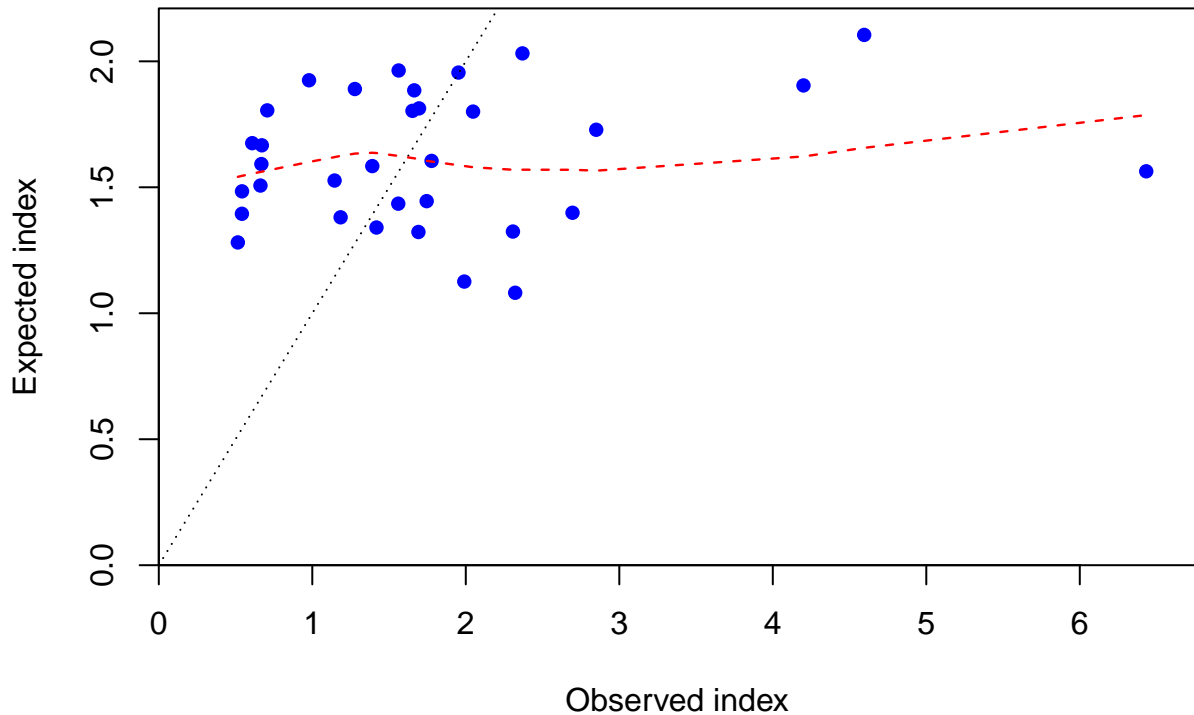


Index

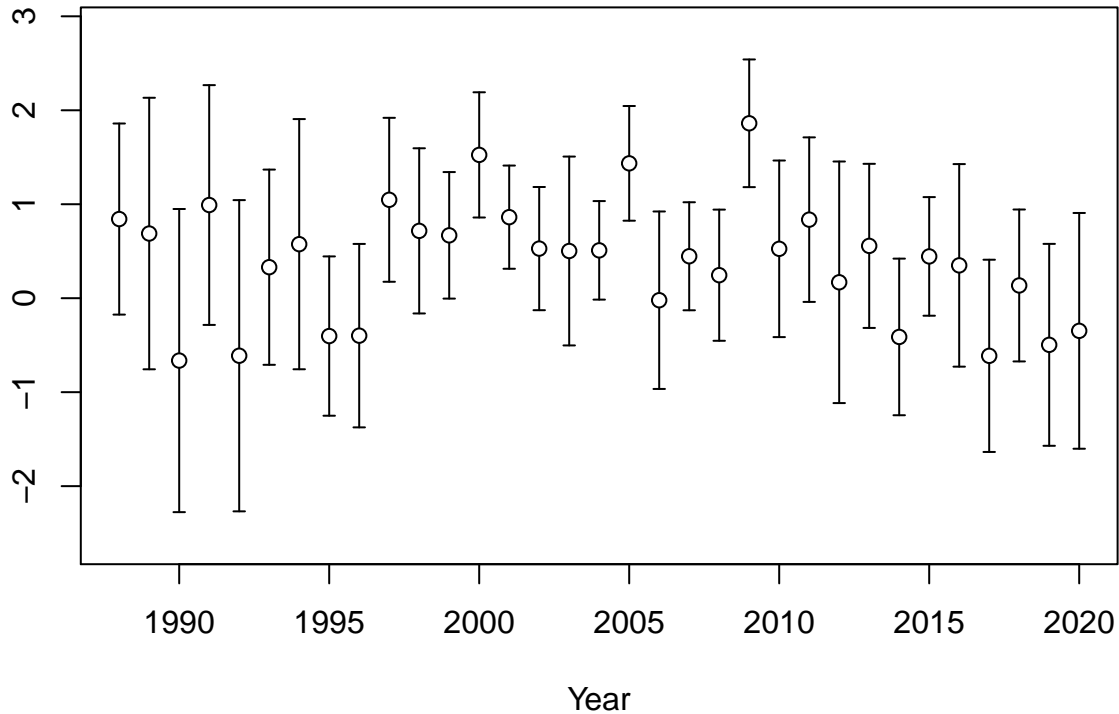


Index

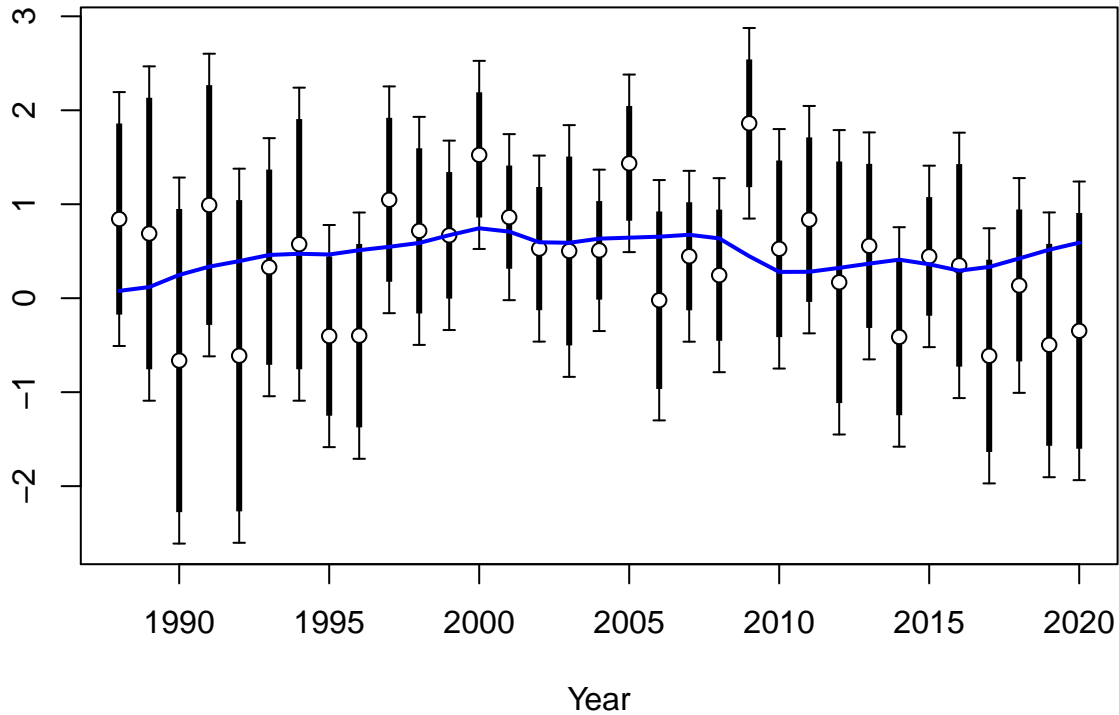


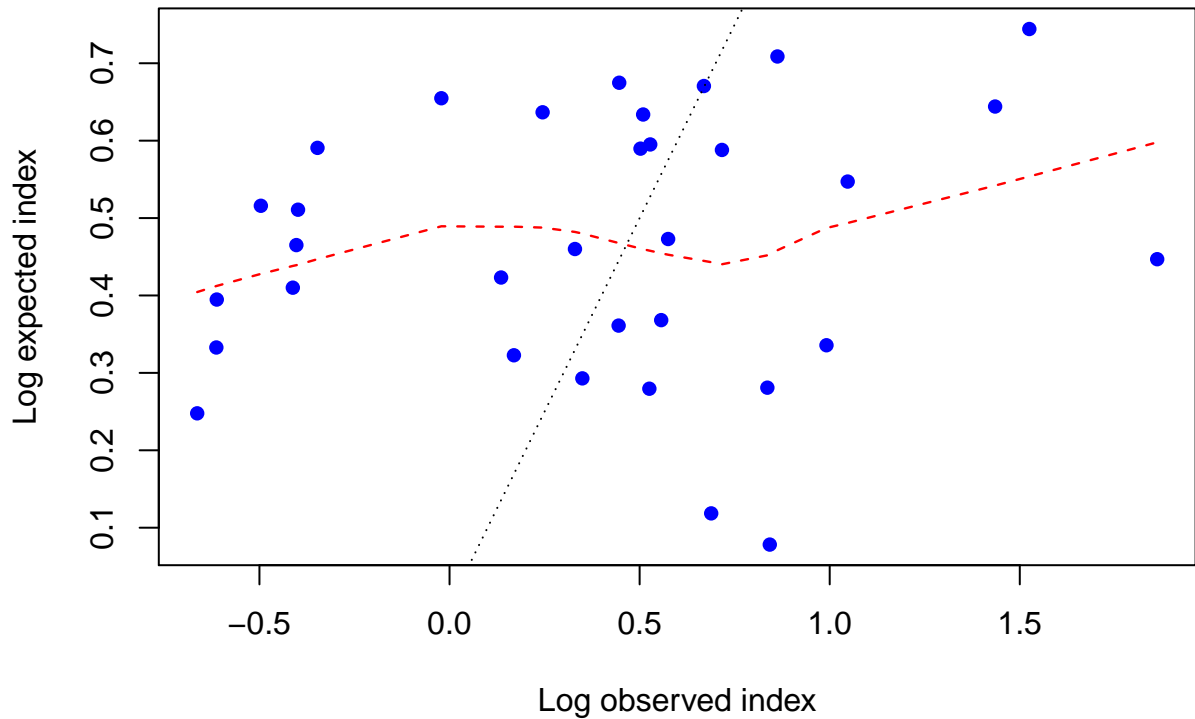


Log index

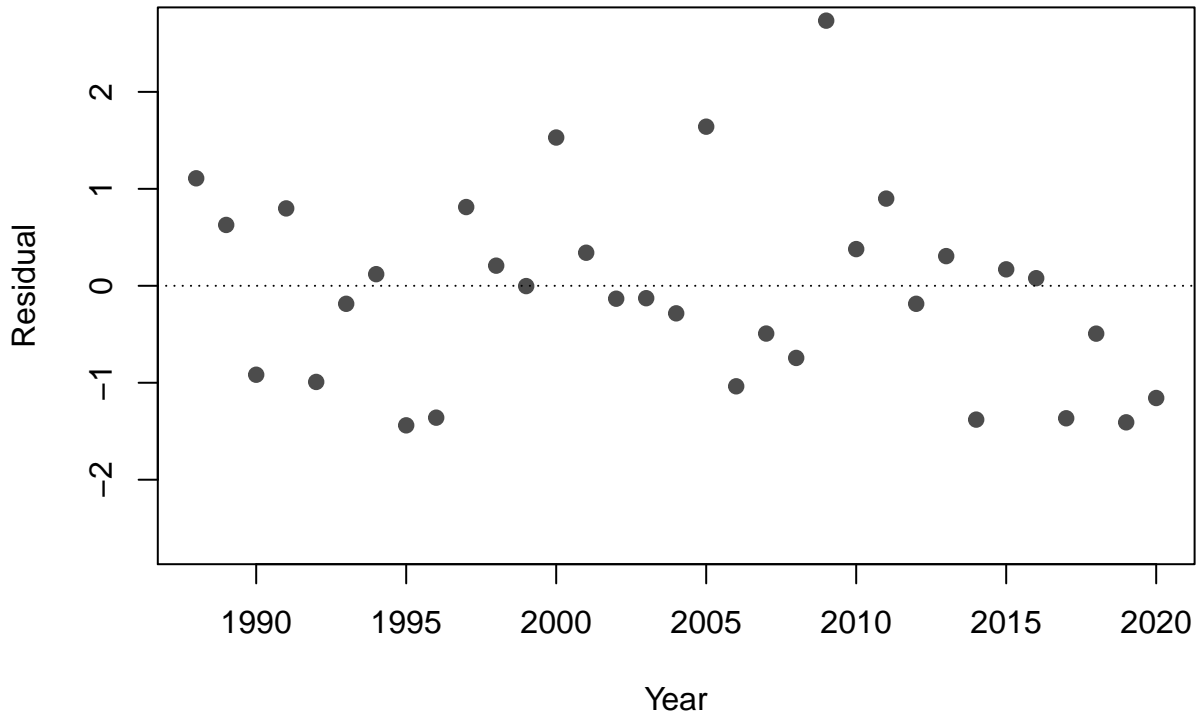


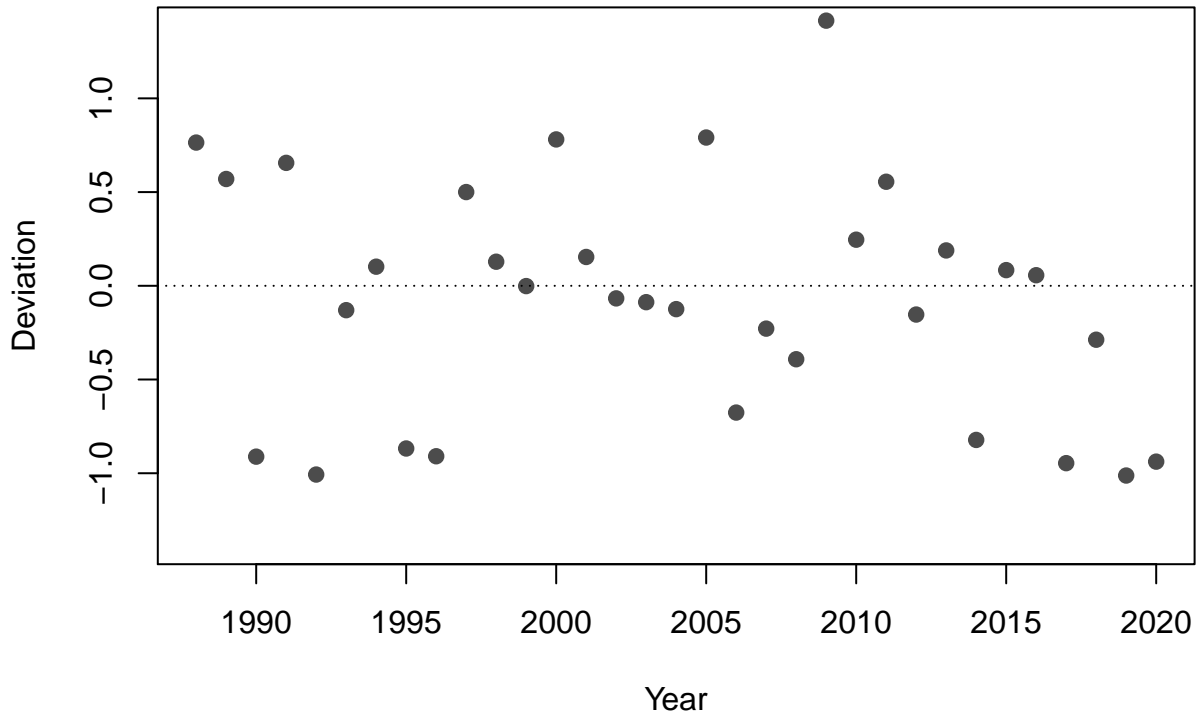
Log index

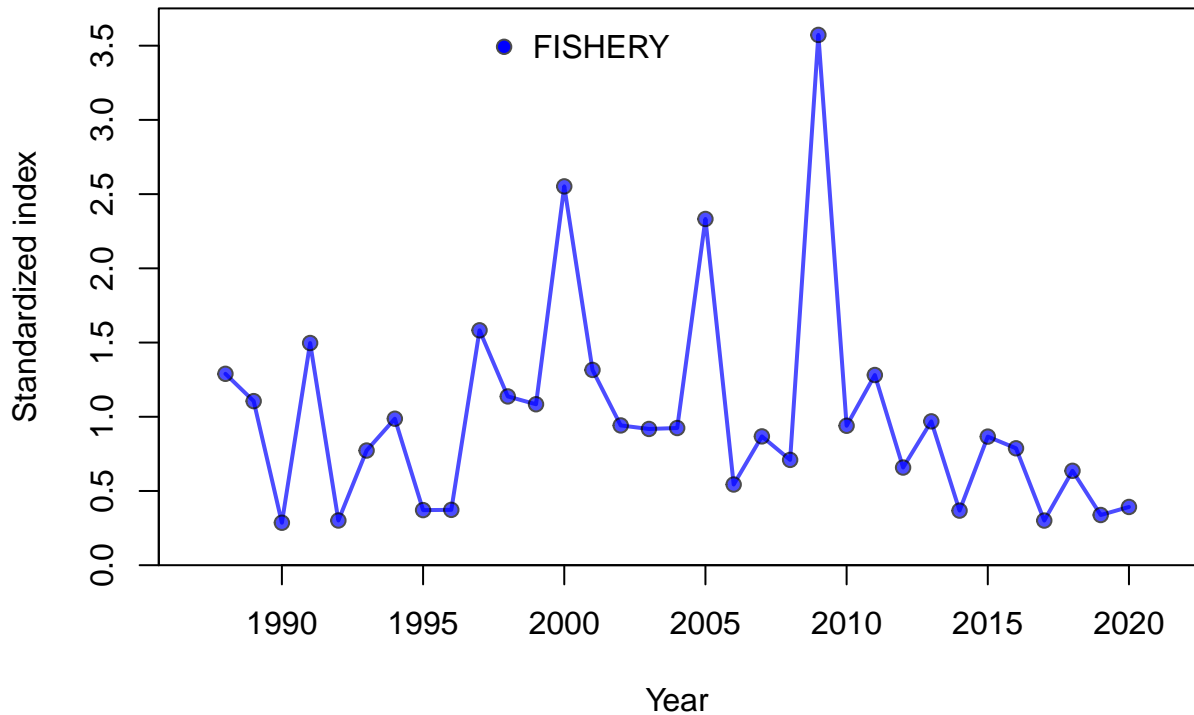


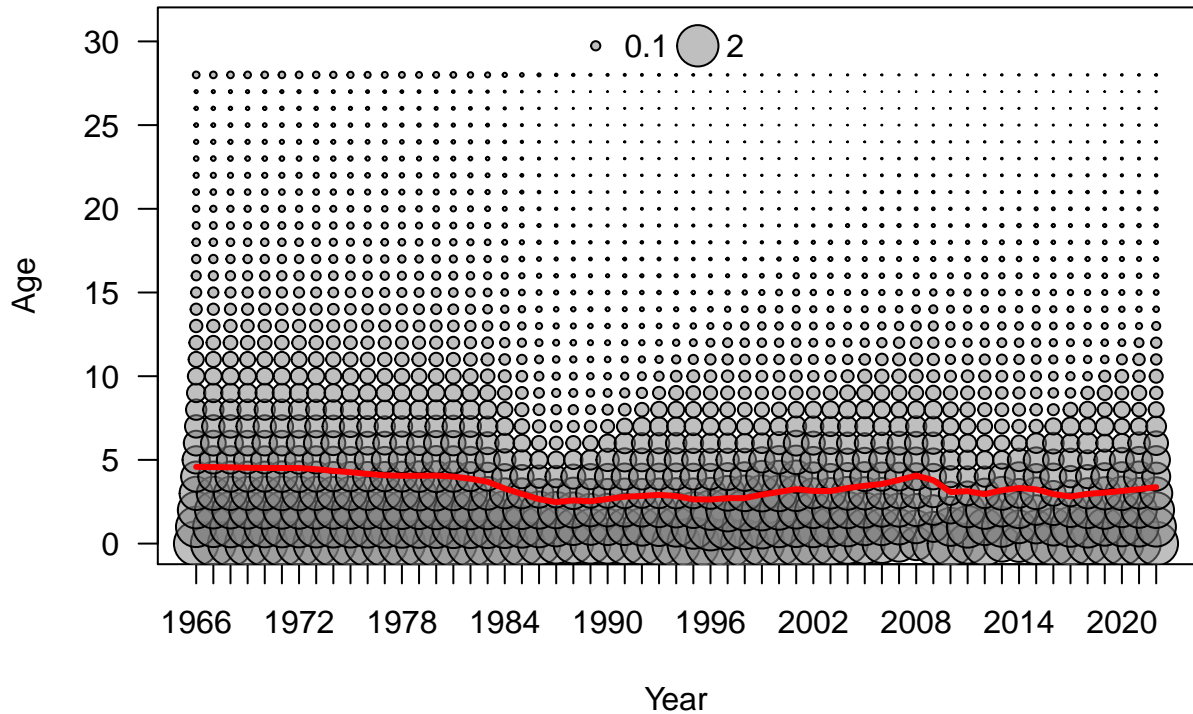


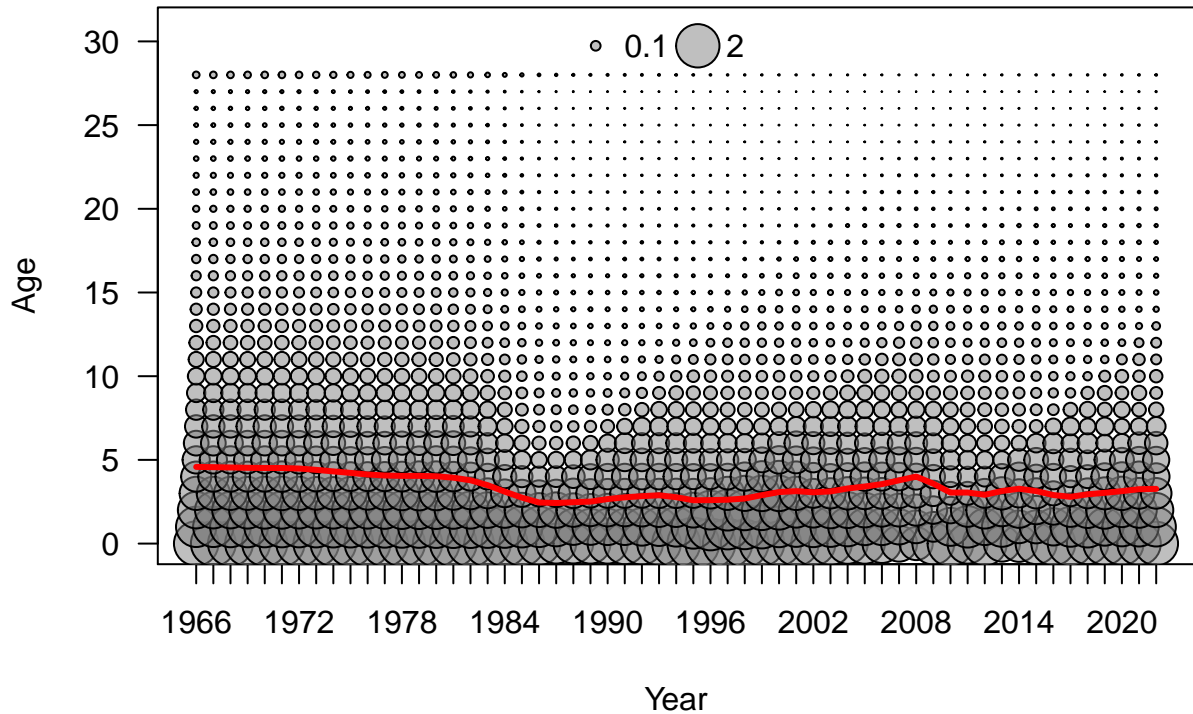


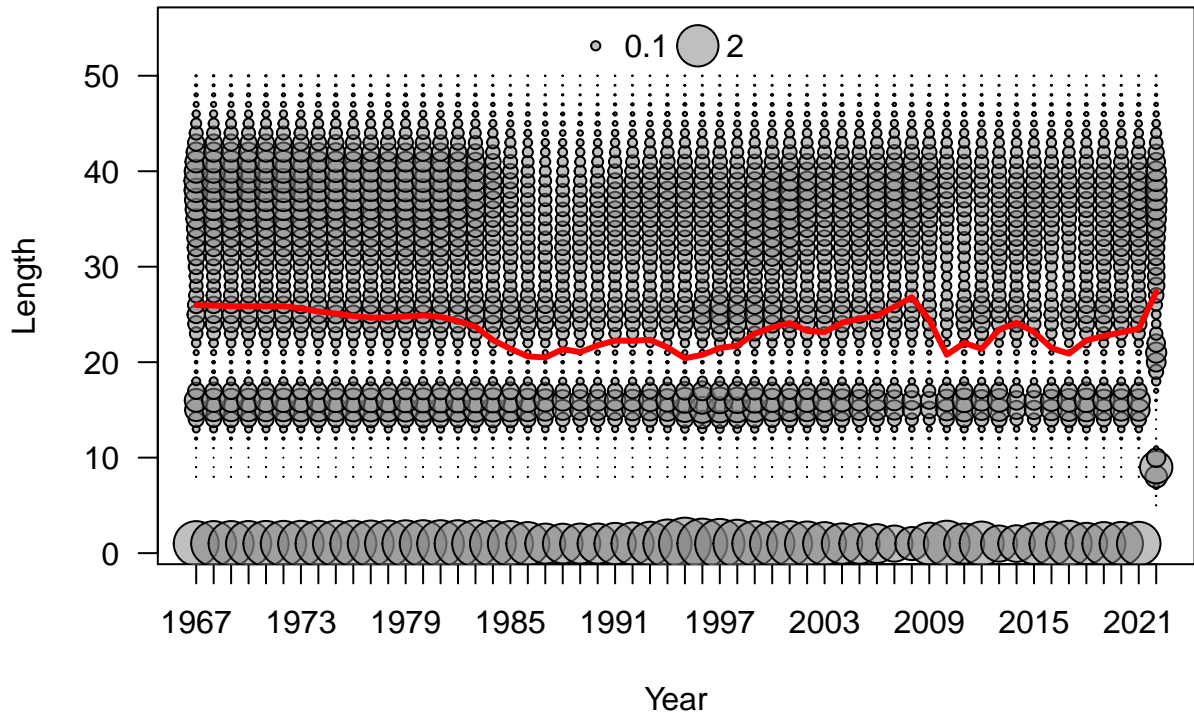


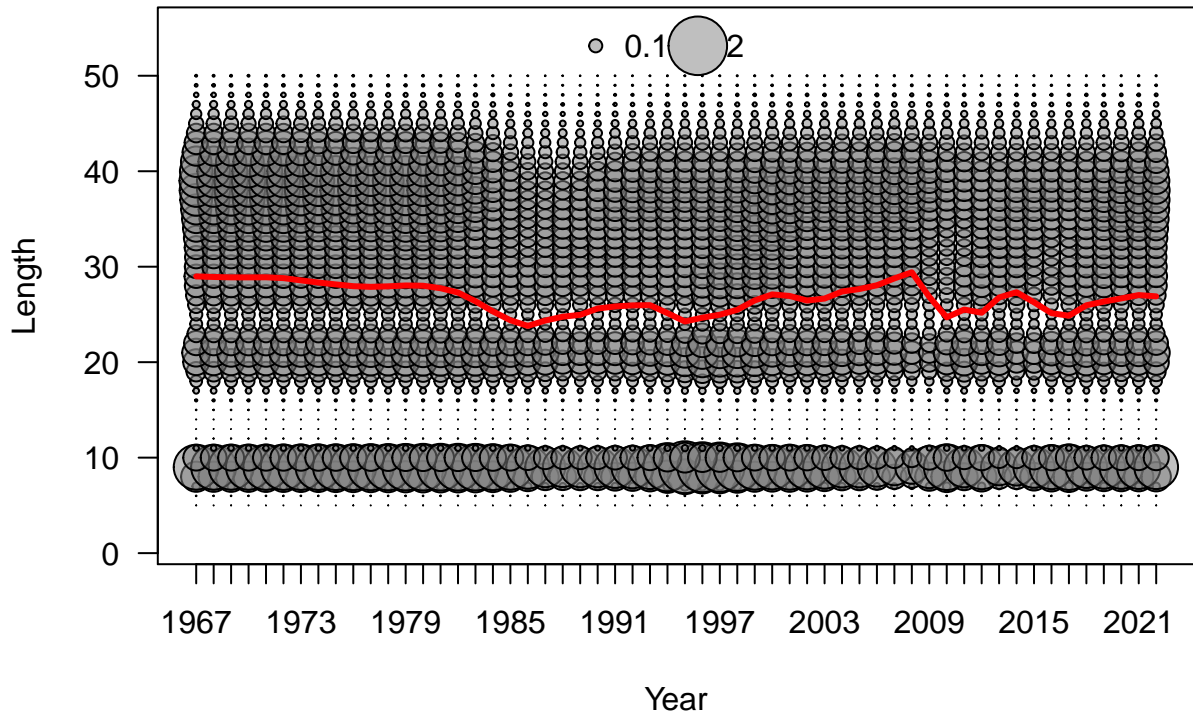


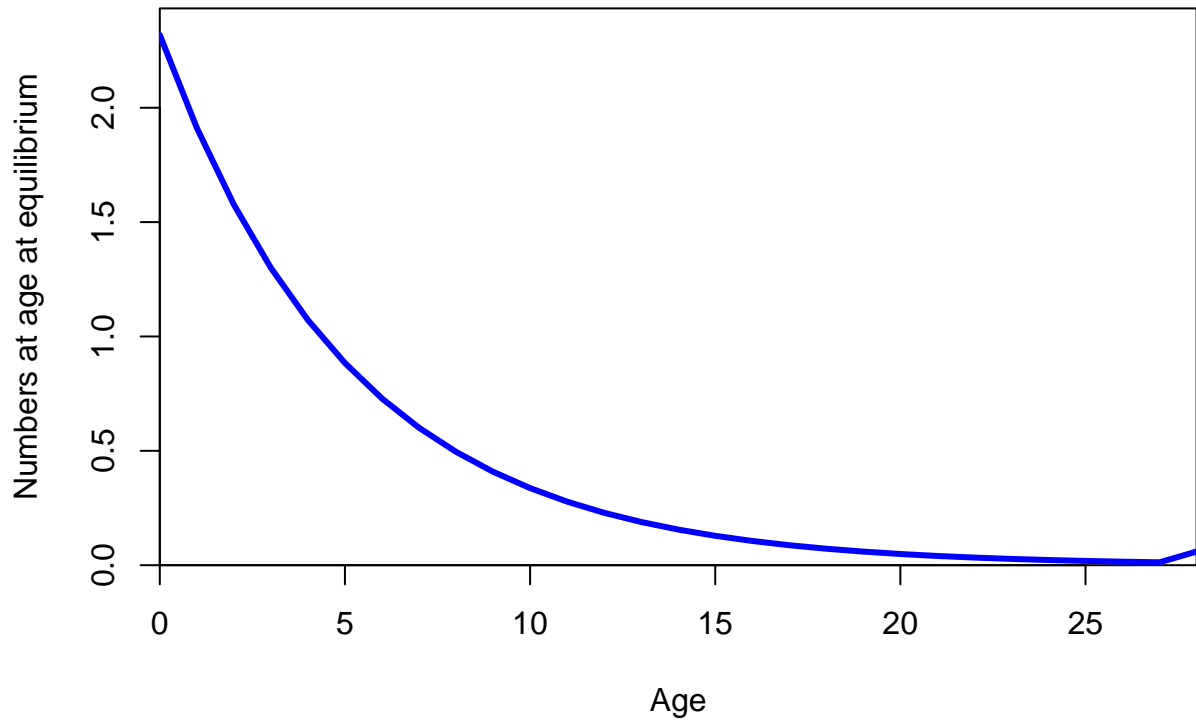








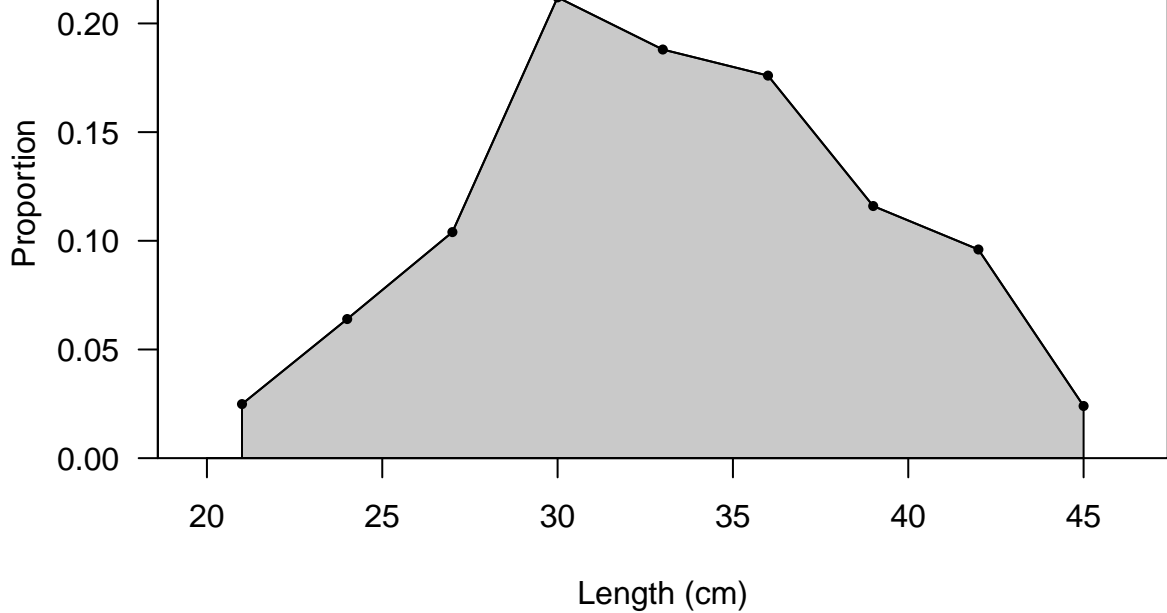


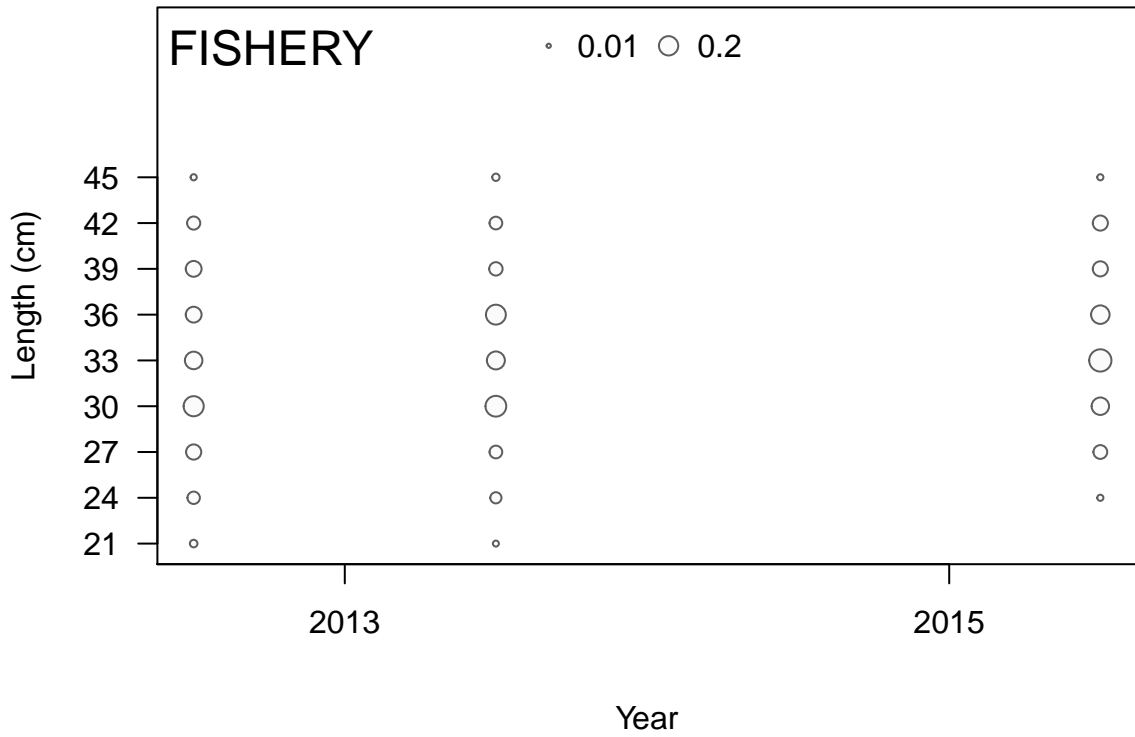




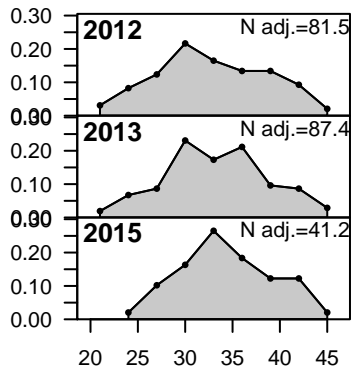
# FISHERY

Sum of N adj.=210

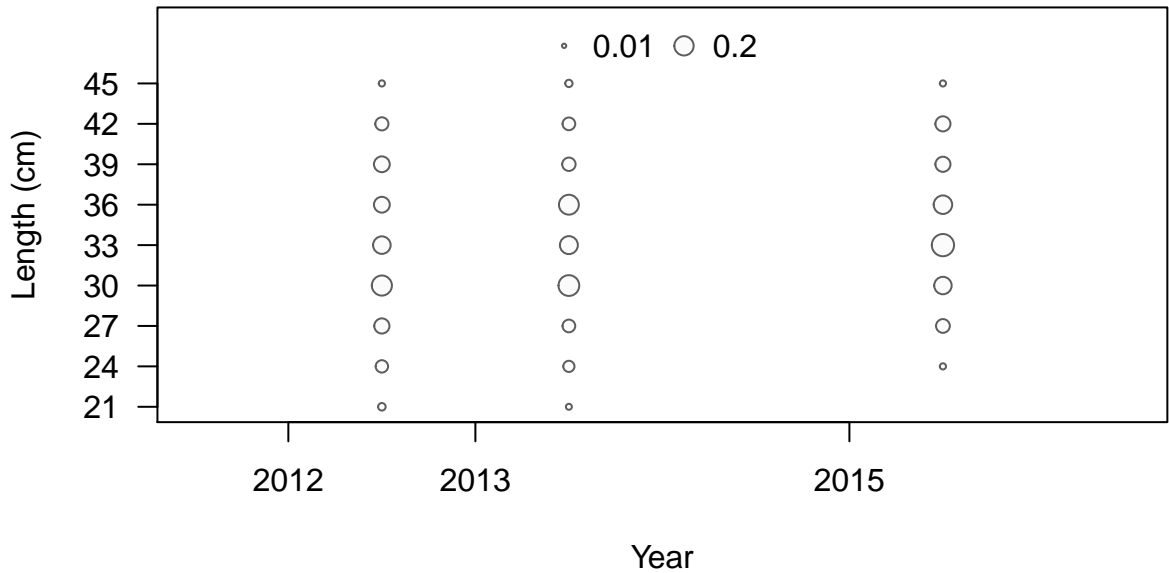




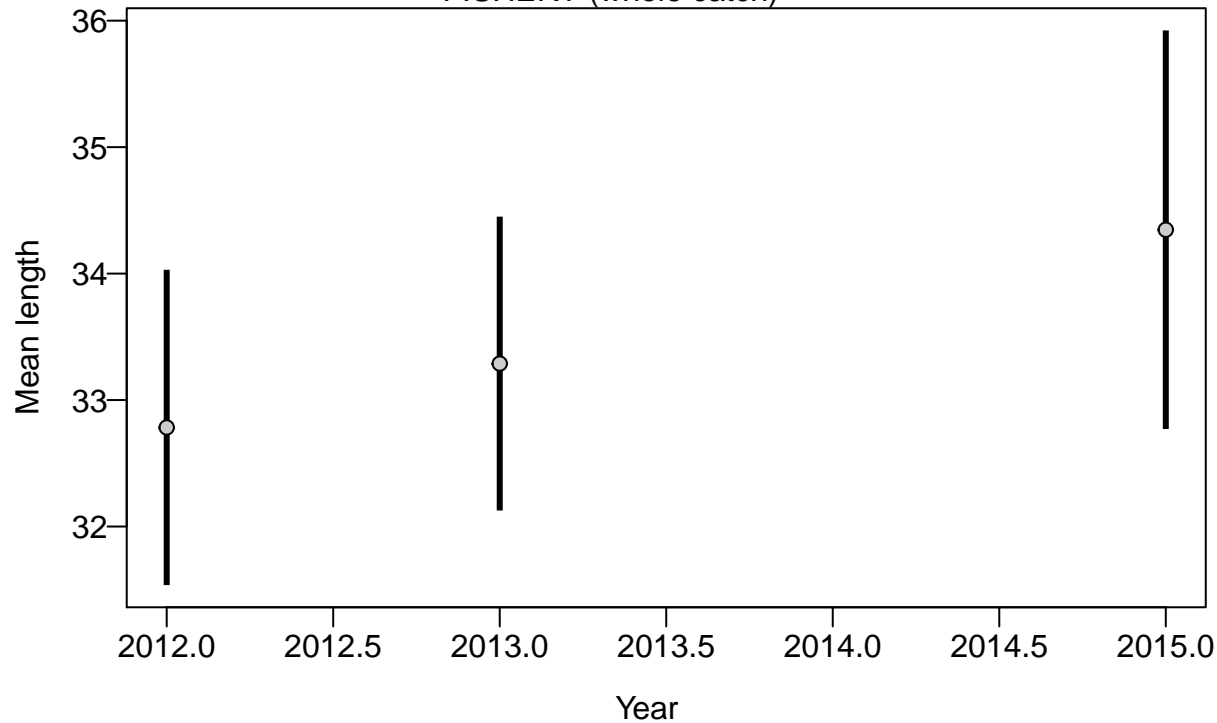
Proportion



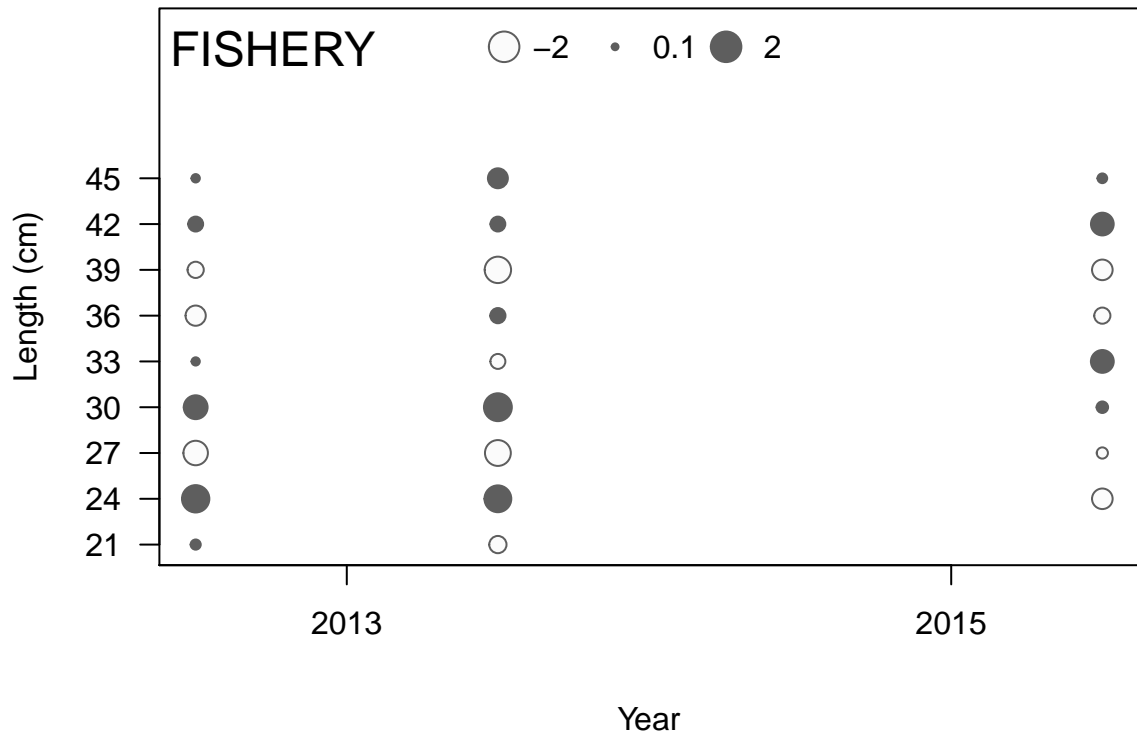
Length (cm)



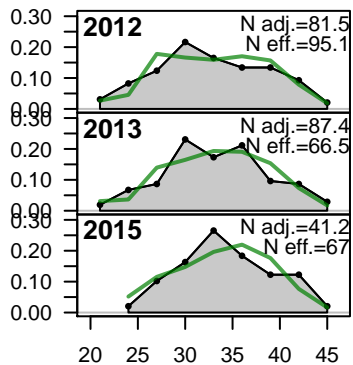
# FISHERY (whole catch)





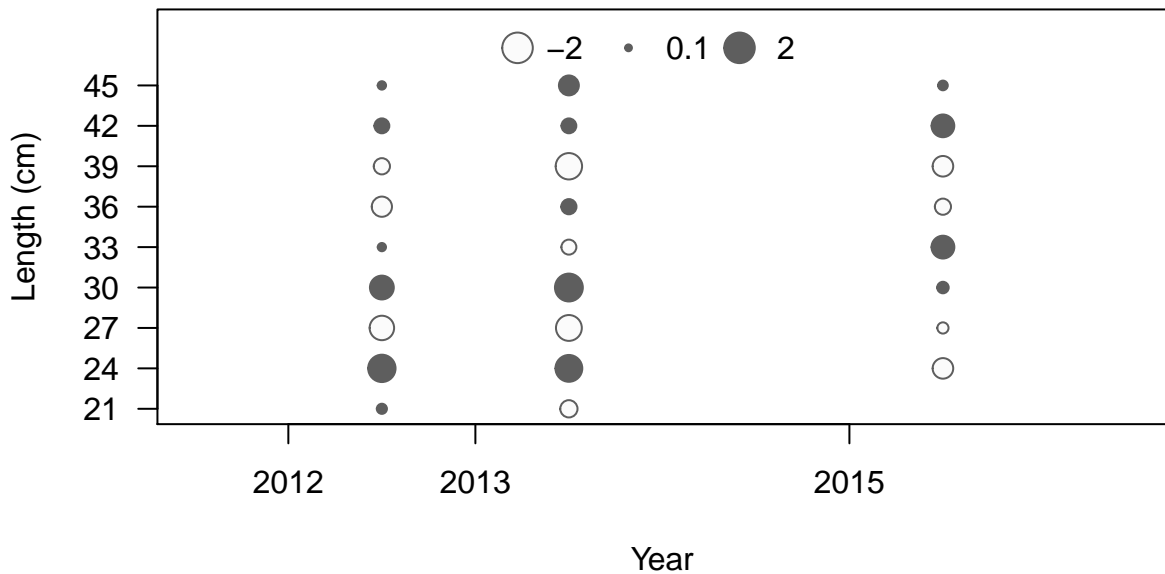


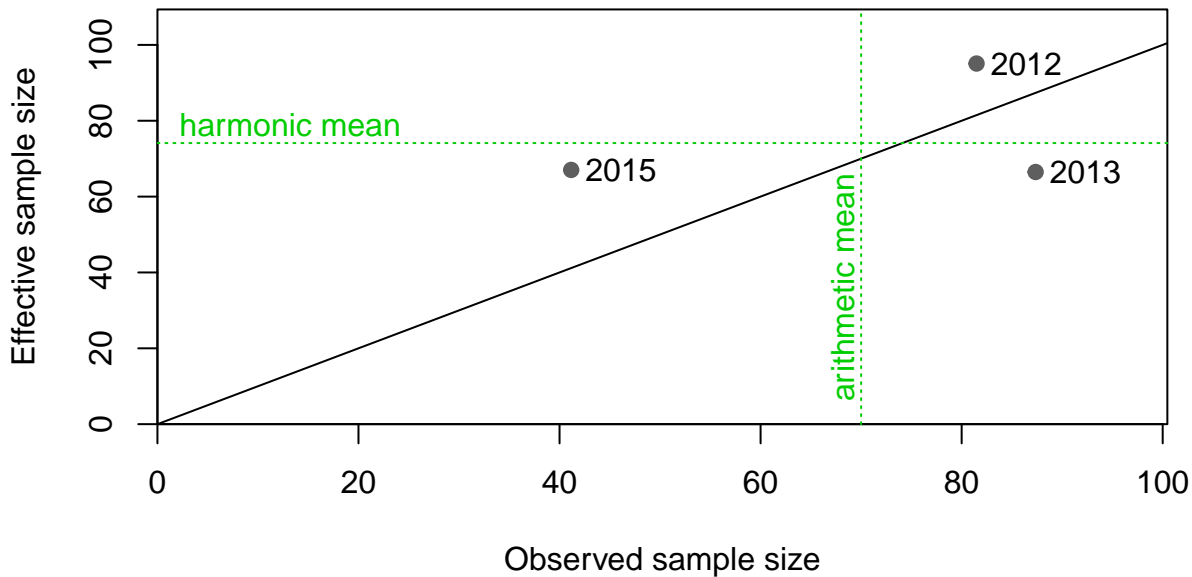
Proportion



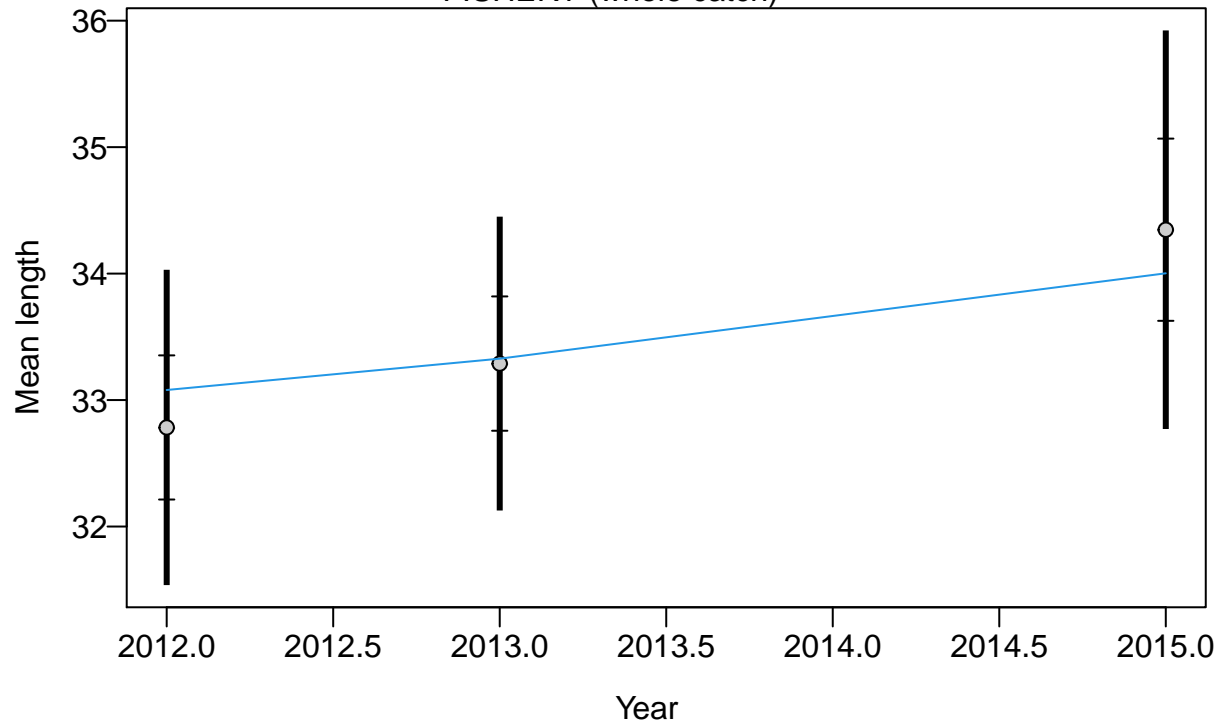
Length (cm)

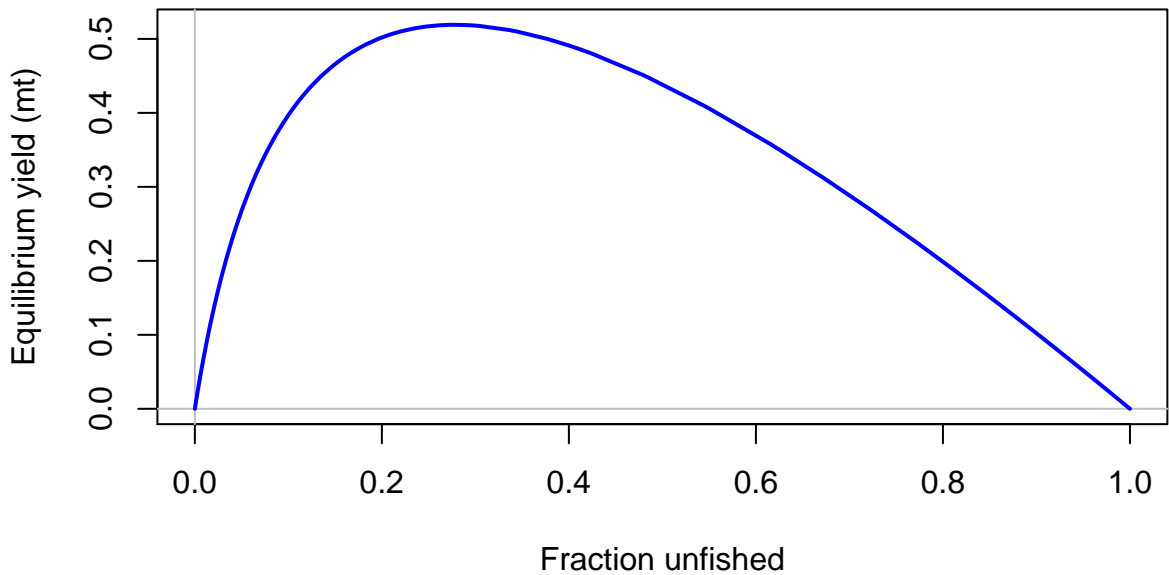


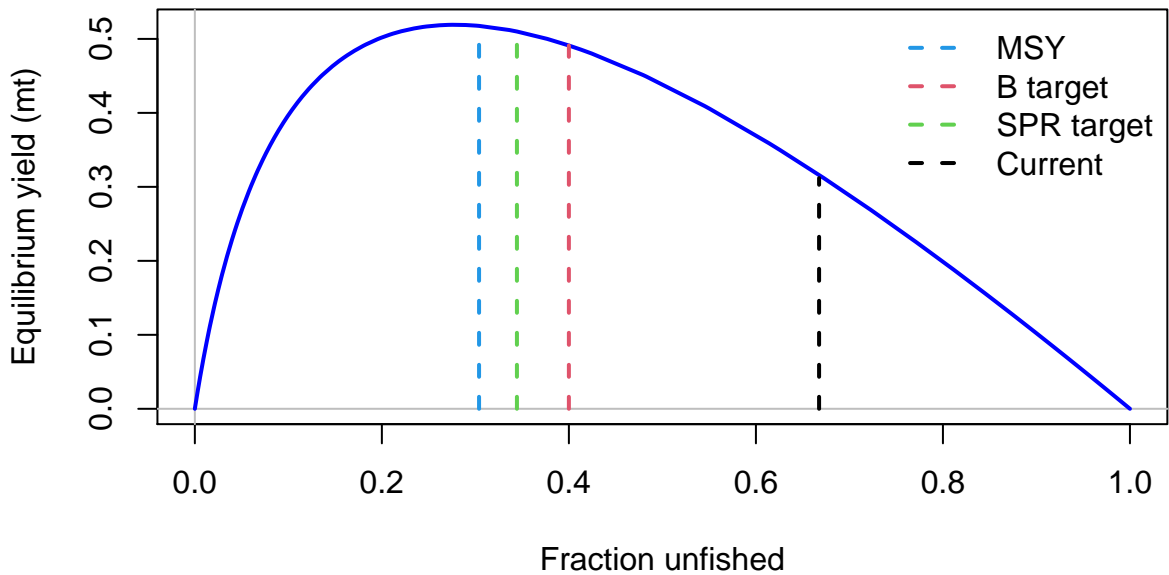


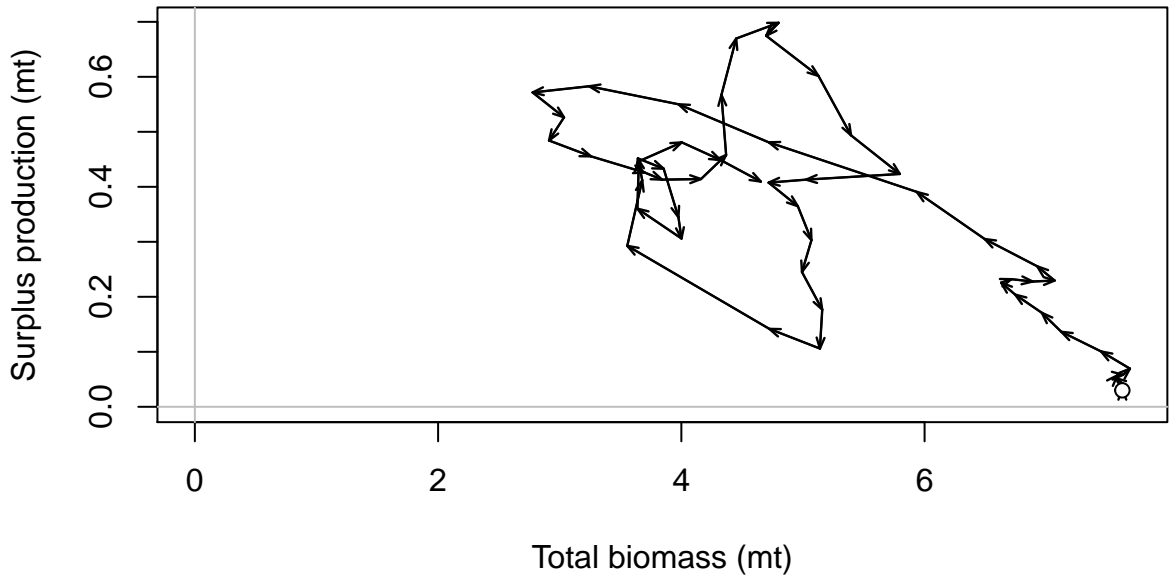


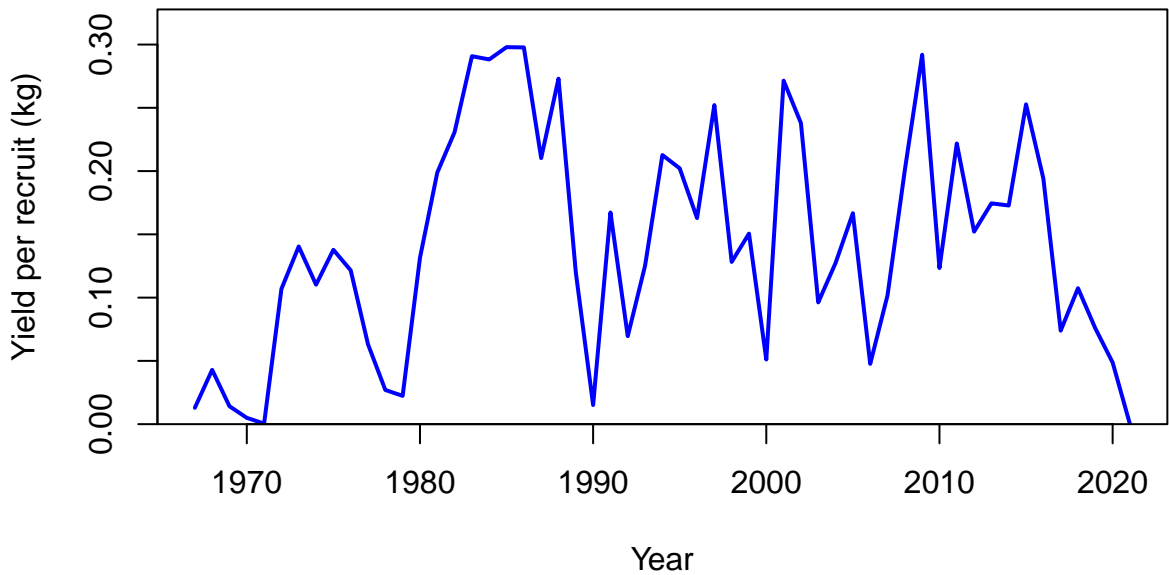
## FISHERY (whole catch)

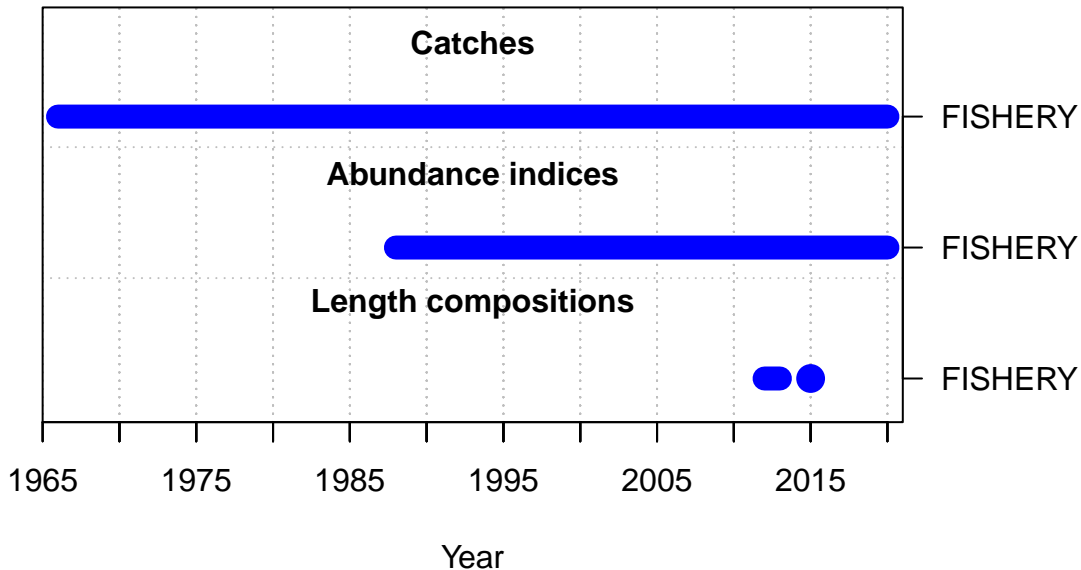




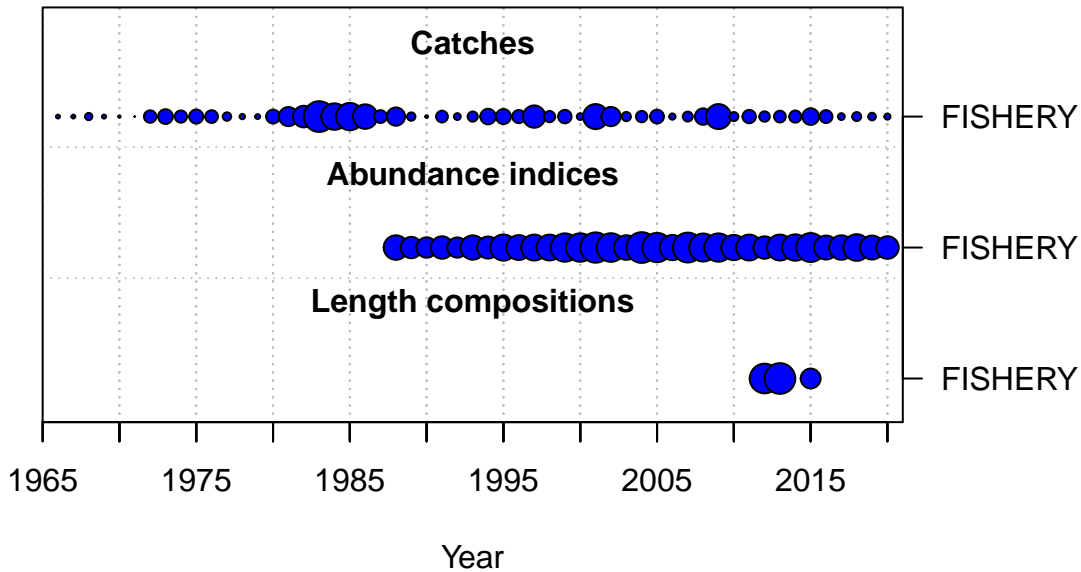








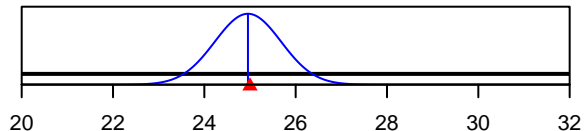




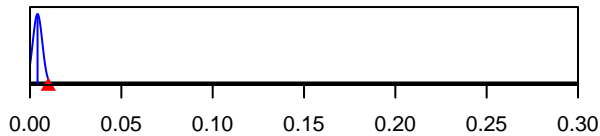
SR\_LN(R0)



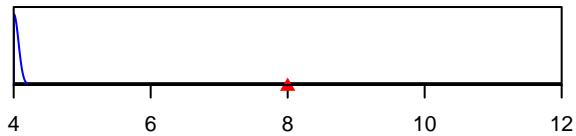
Size\_inflection\_FISHERY(1)



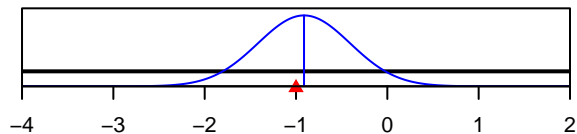
InitF\_seas\_1flt\_1FISHERY



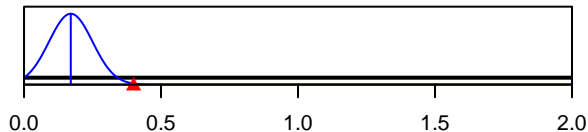
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value