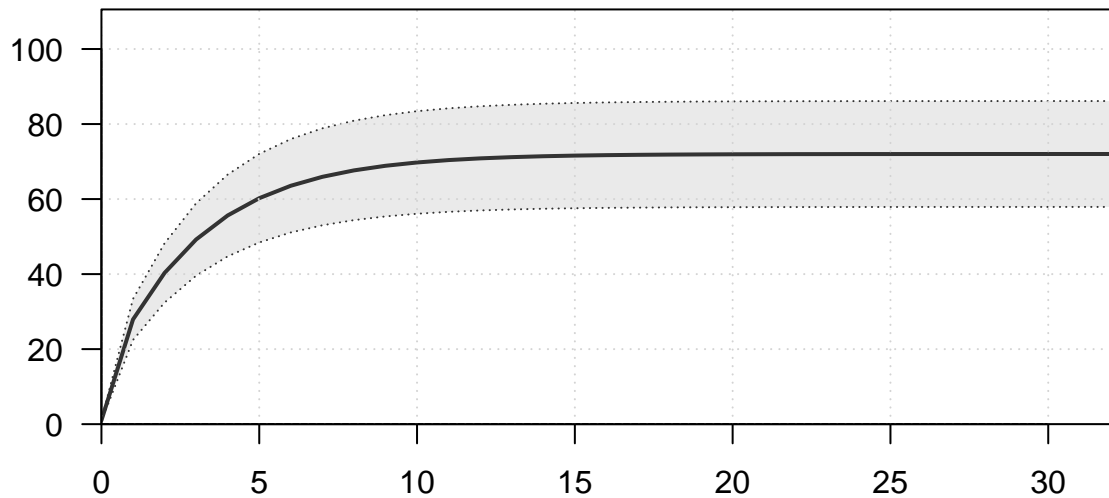


Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Mon Jul 11 15:53:13 2022  
Data\_File: data.ss  
Control\_File: control.ss

Length (cm, beginning of the year)



Age (yr)

















Fecundity



Fecundity

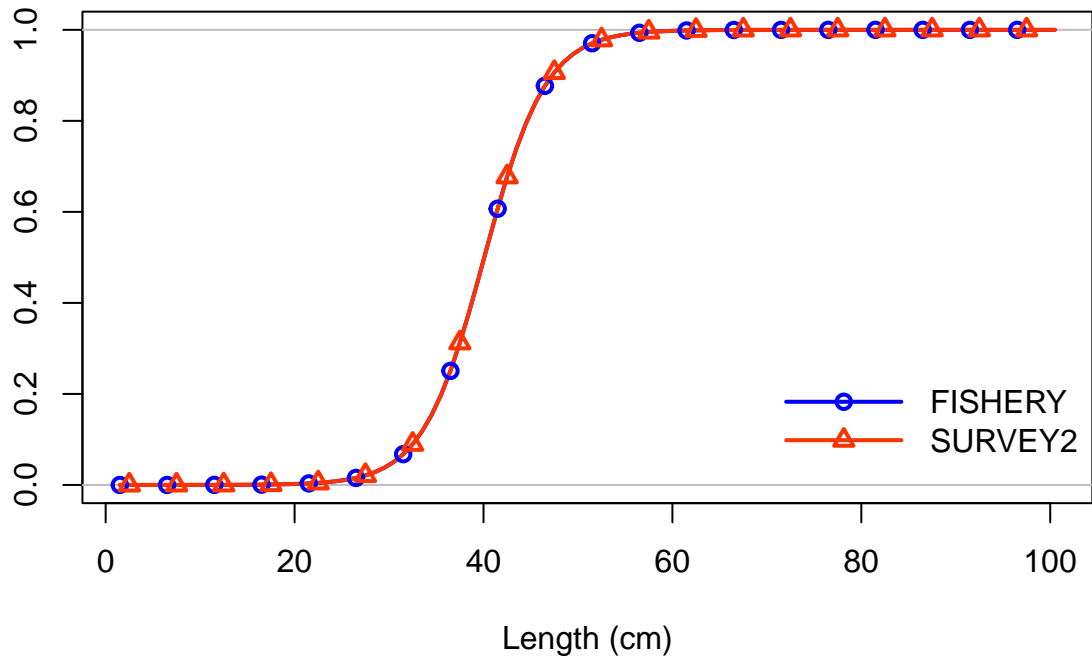


Spawning output

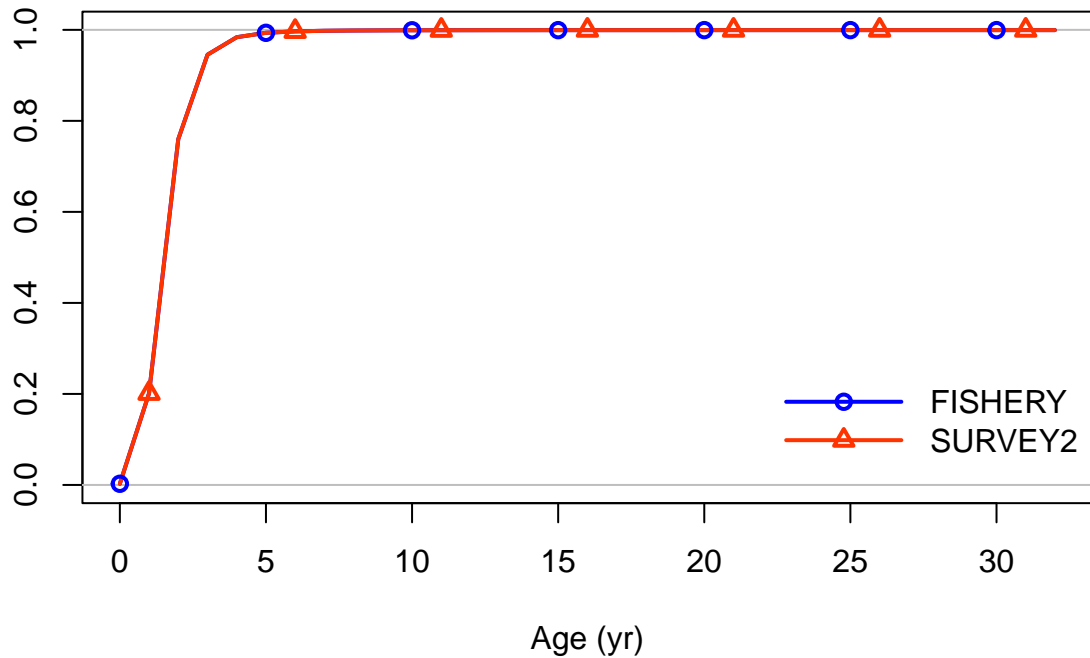




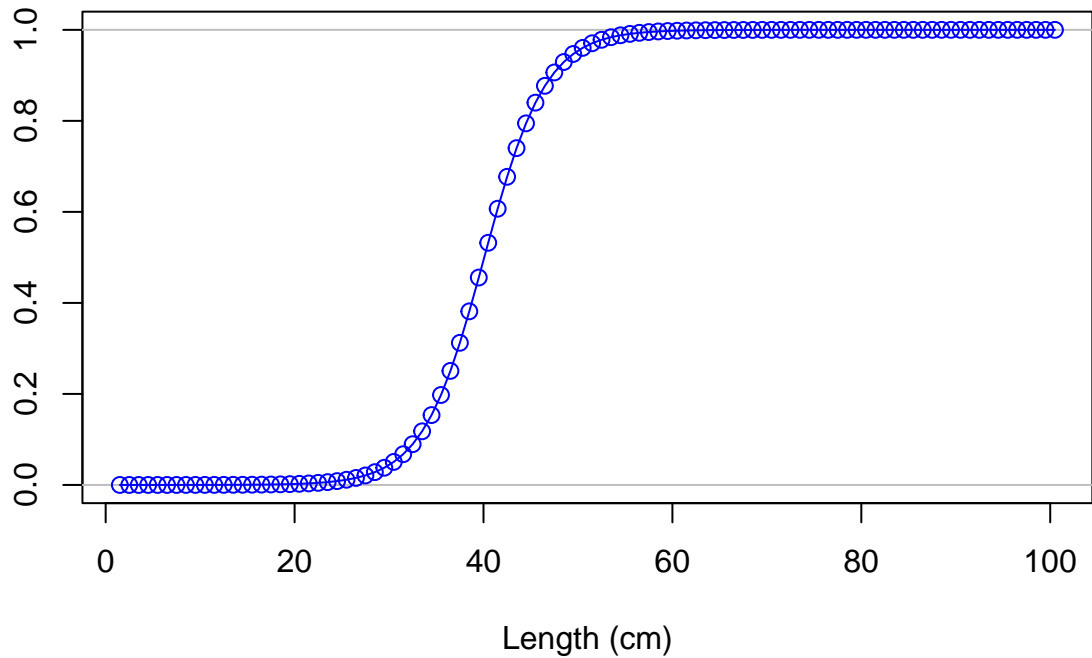
Selectivity



Selectivity

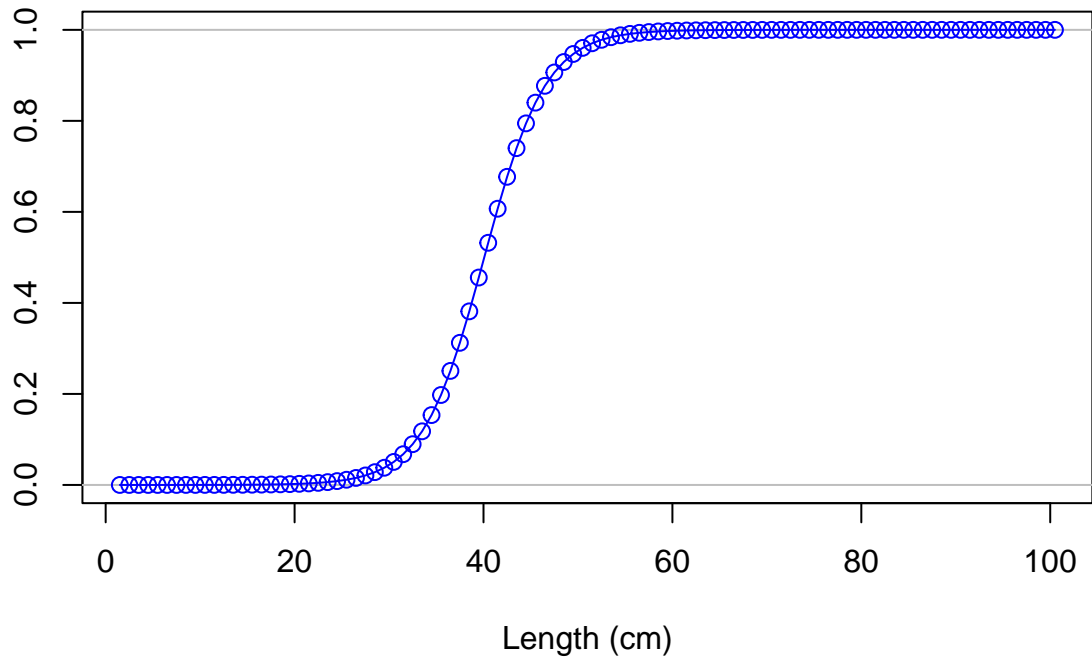


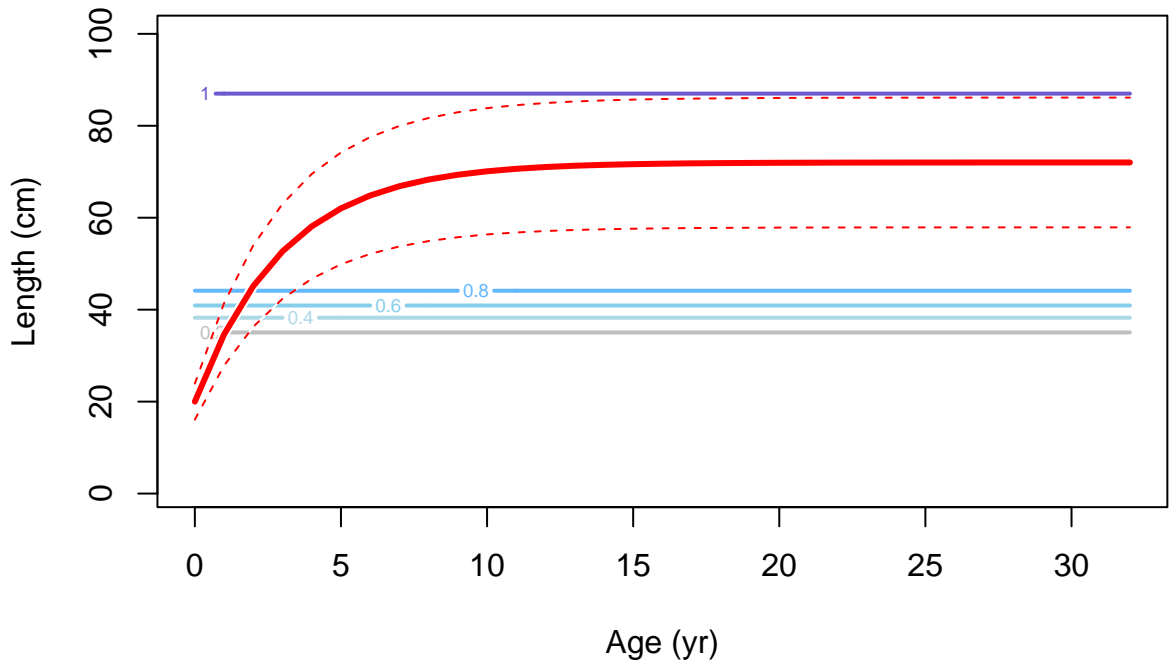
Selectivity

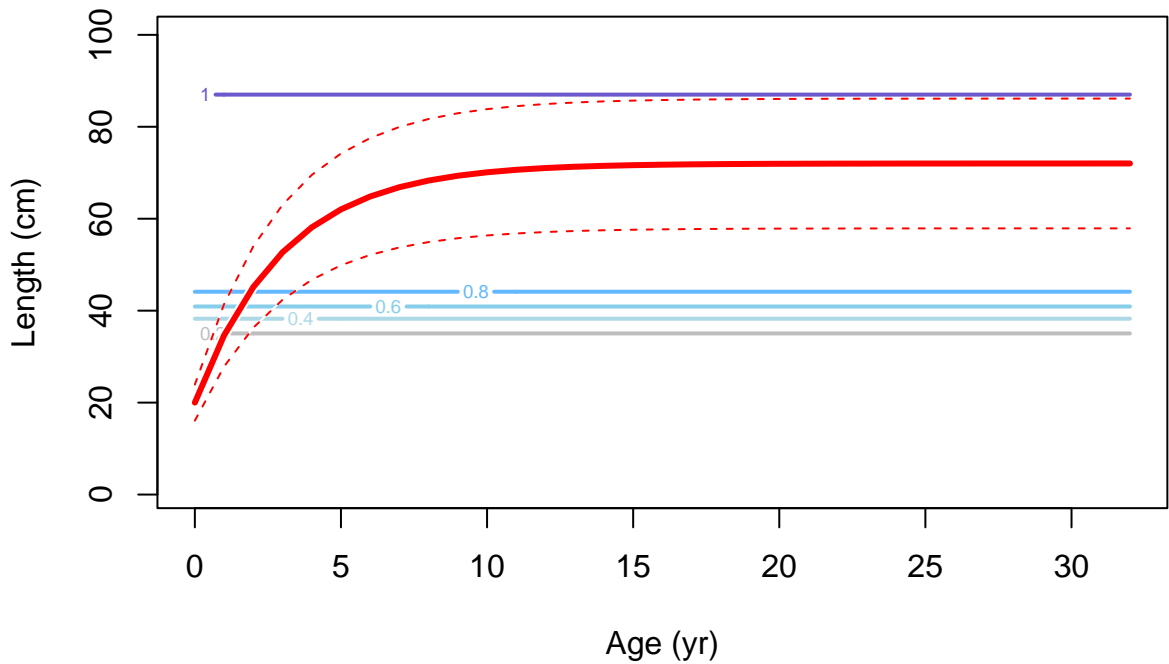


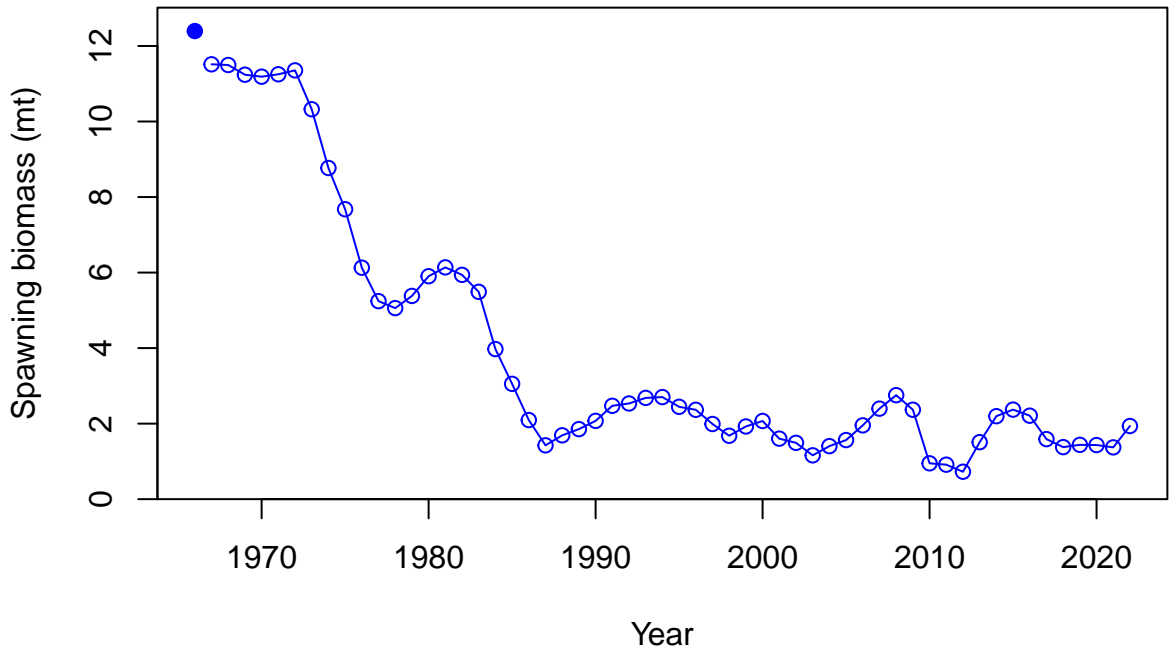


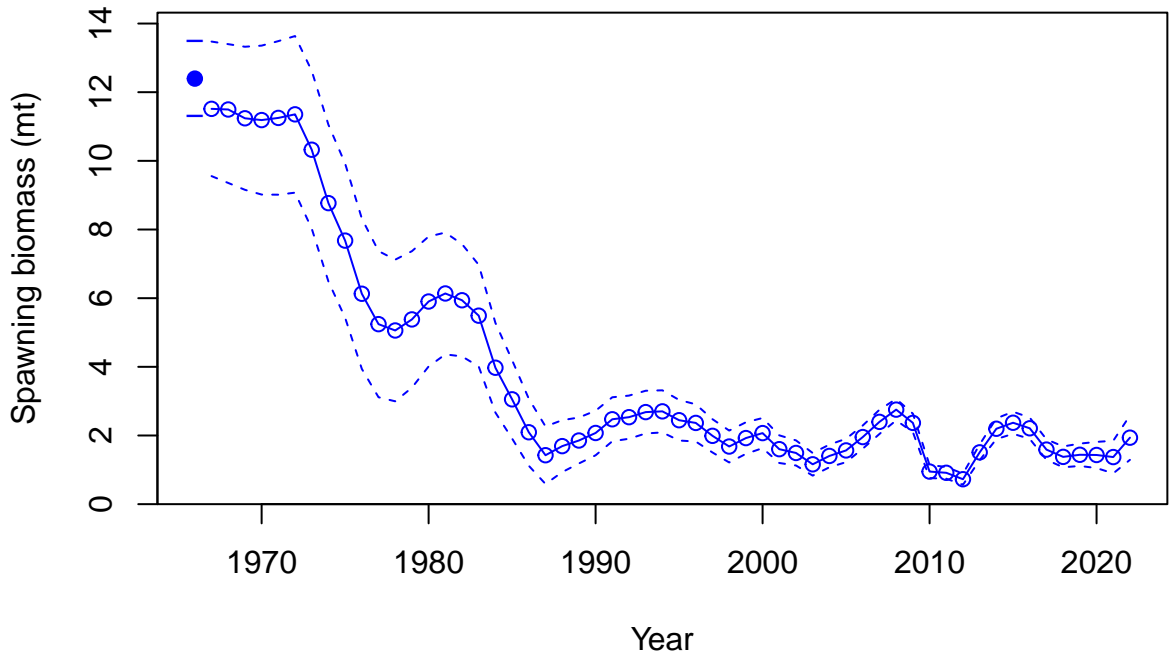
Selectivity



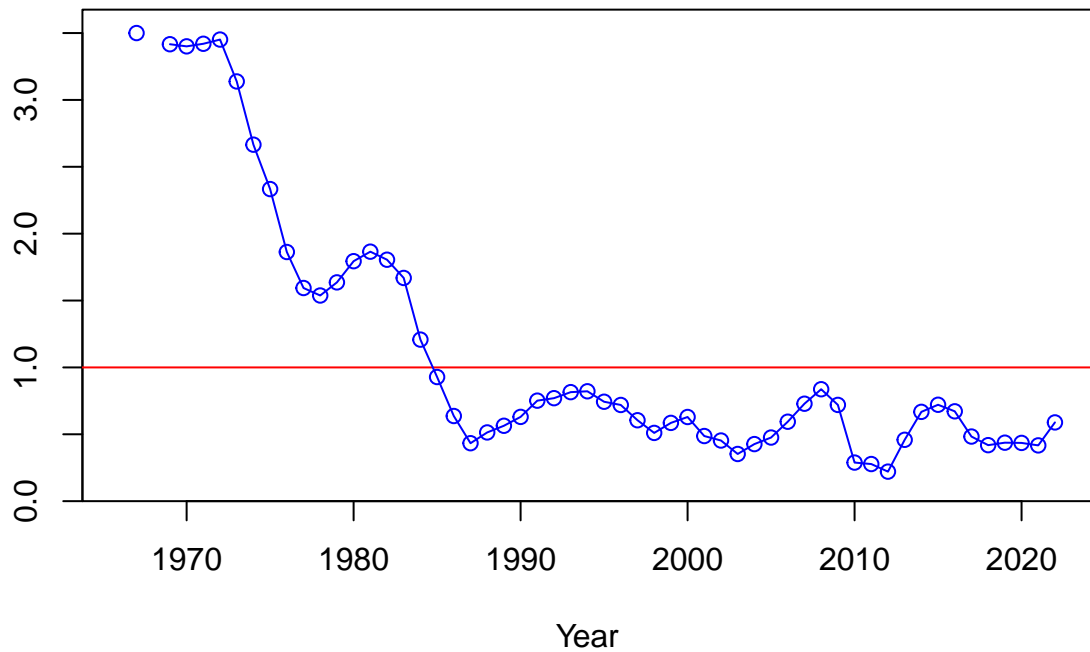




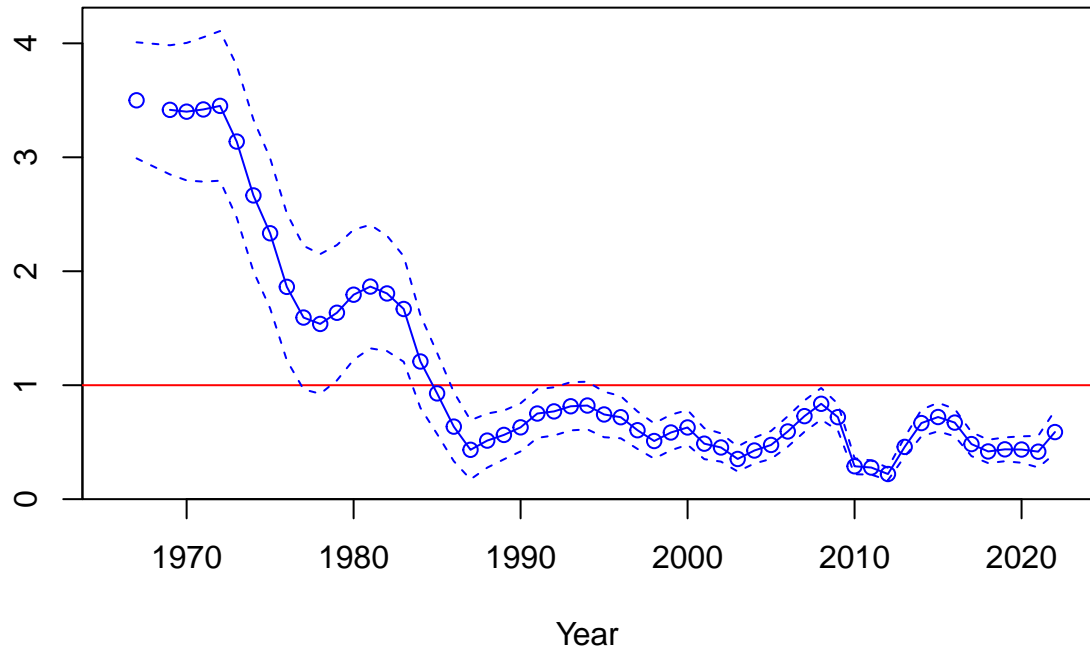


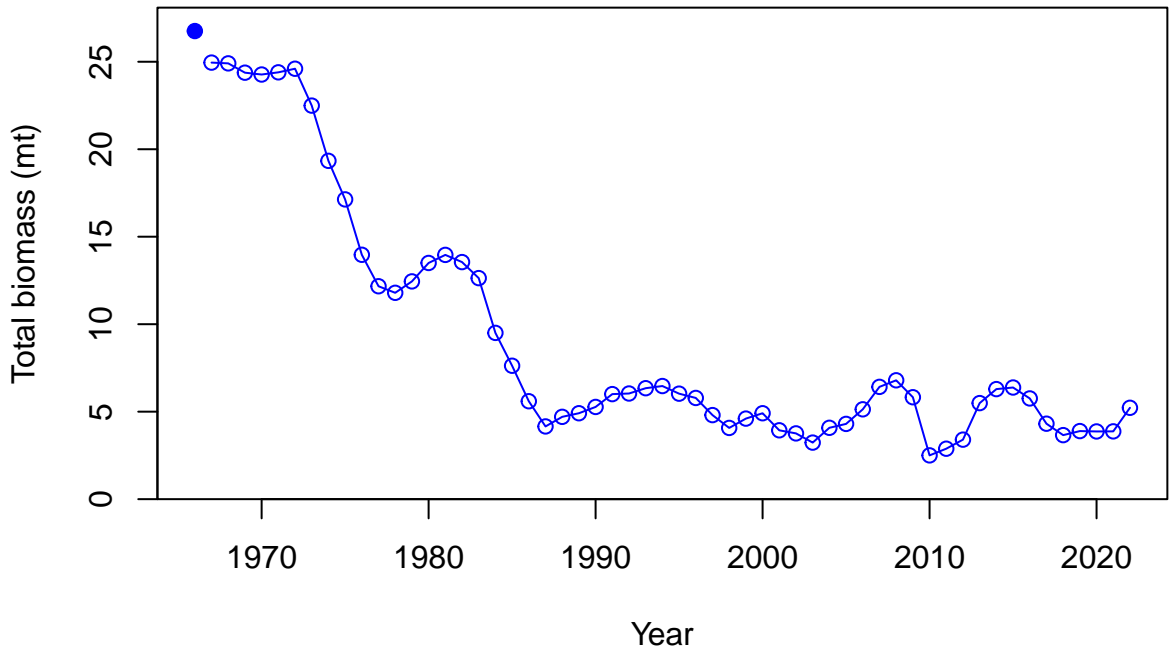


Relative spawning biomass:  $B/B_{MSY}$

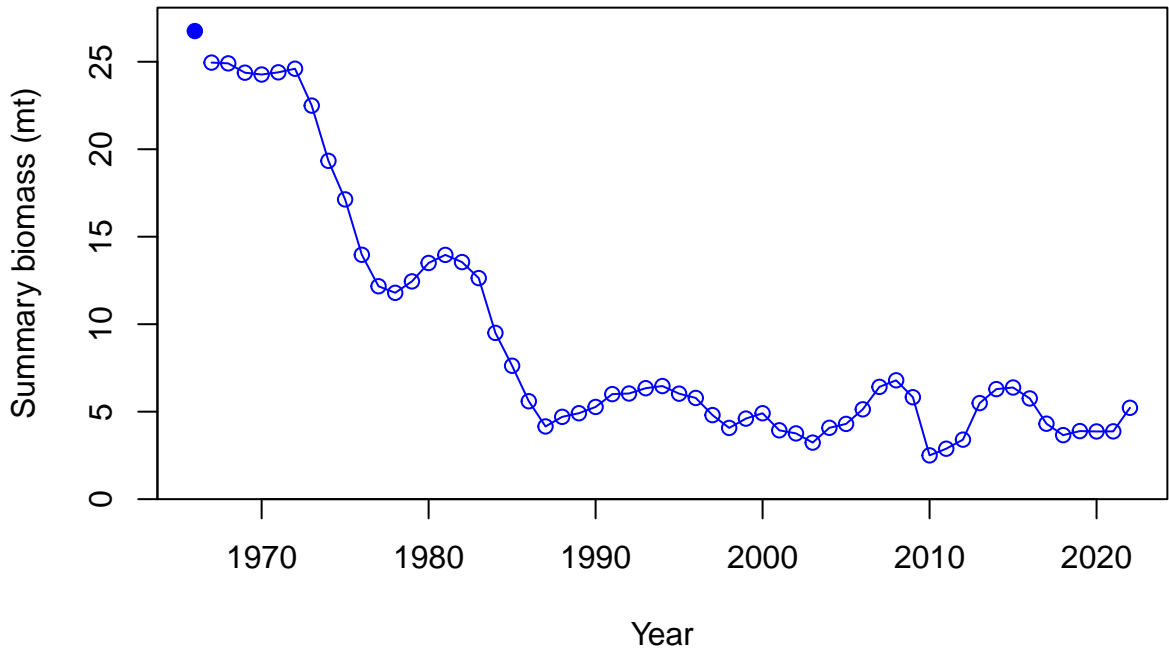


Relative spawning biomass:  $B/B_{MSY}$

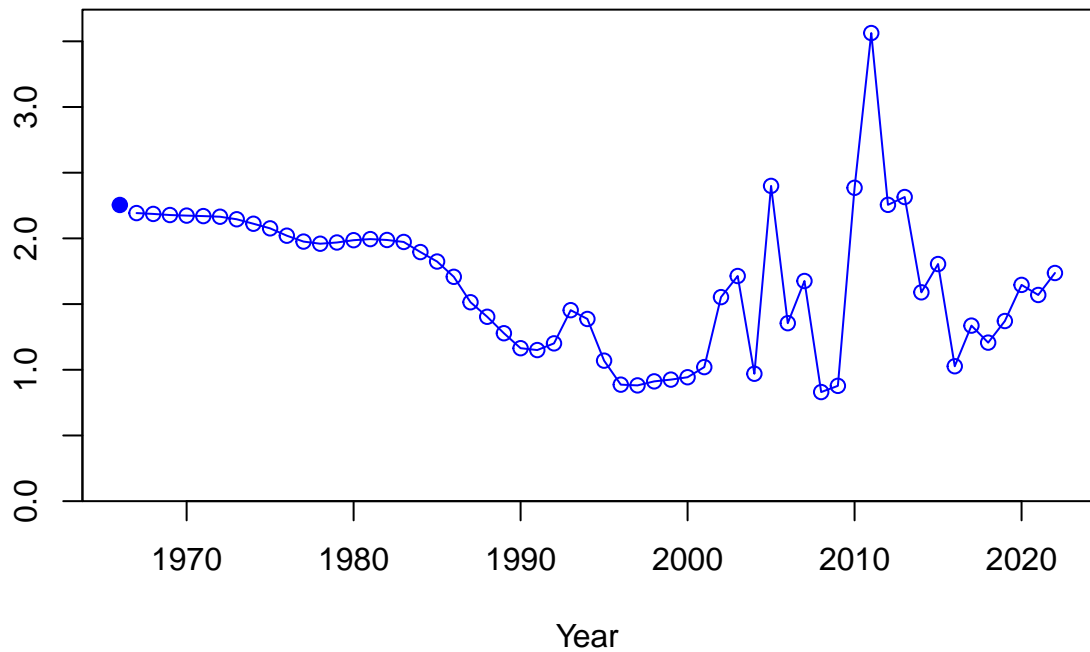




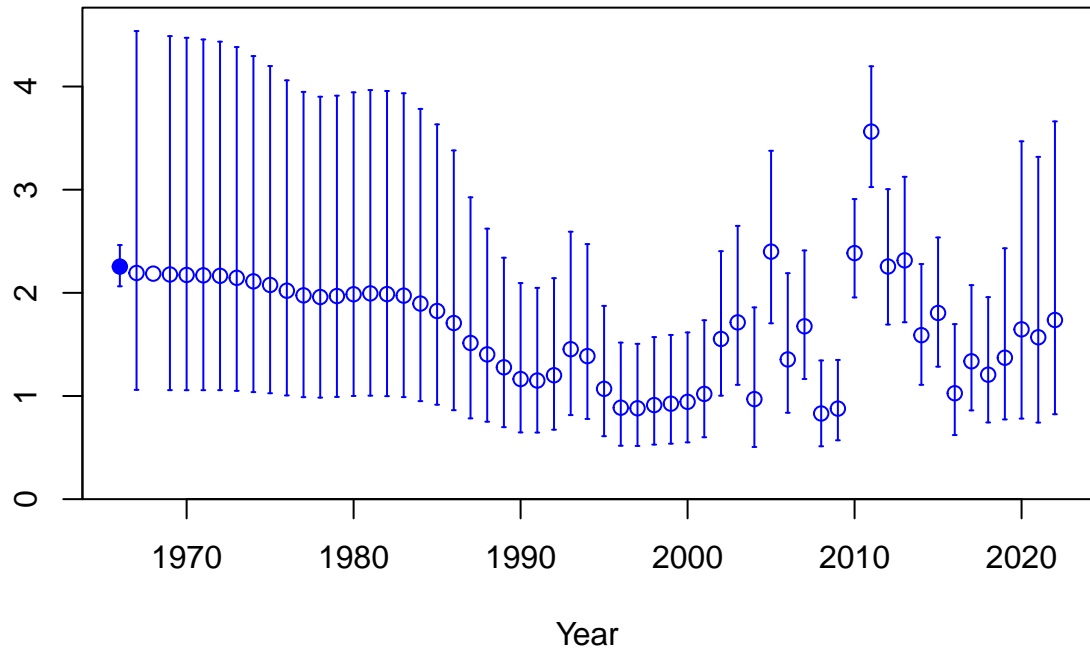




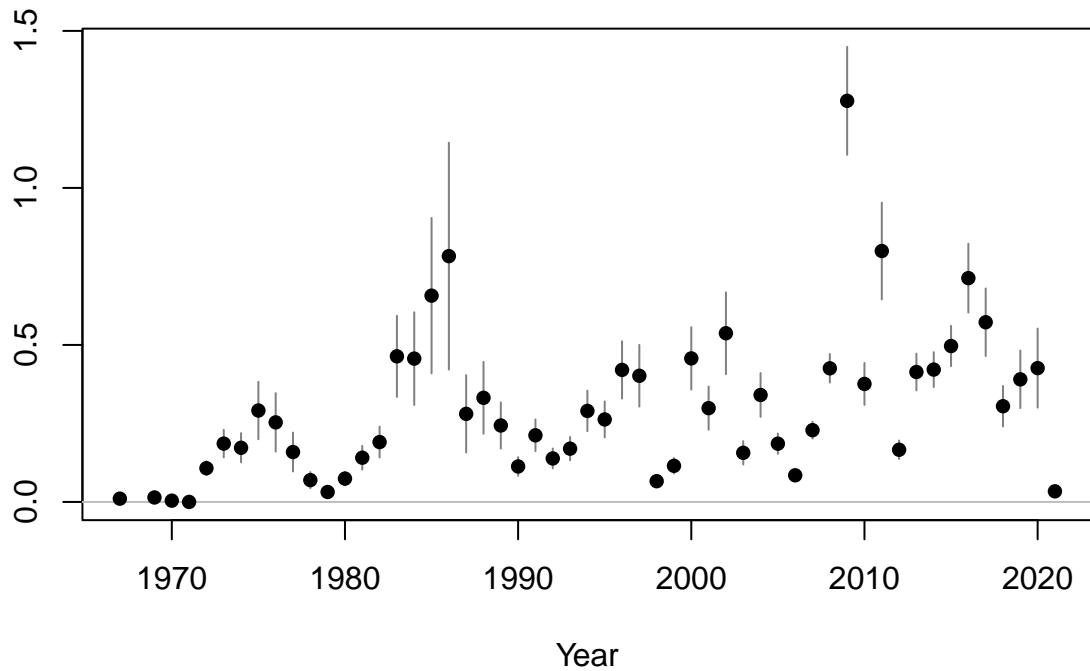
Age-0 recruits (1,000s)



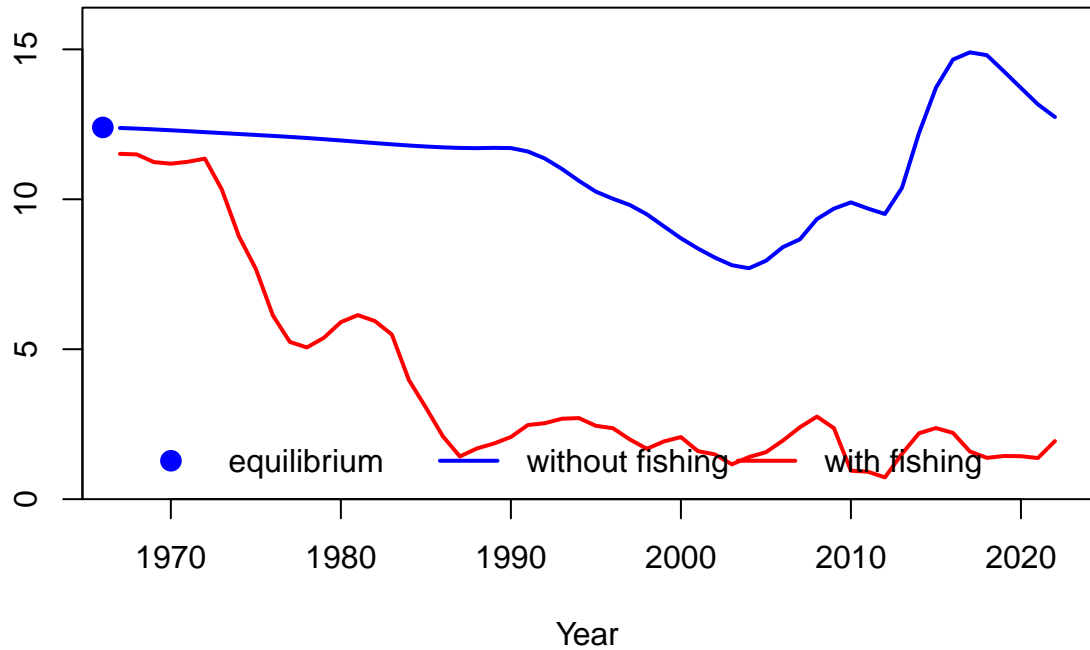
Age-0 recruits (1,000s)



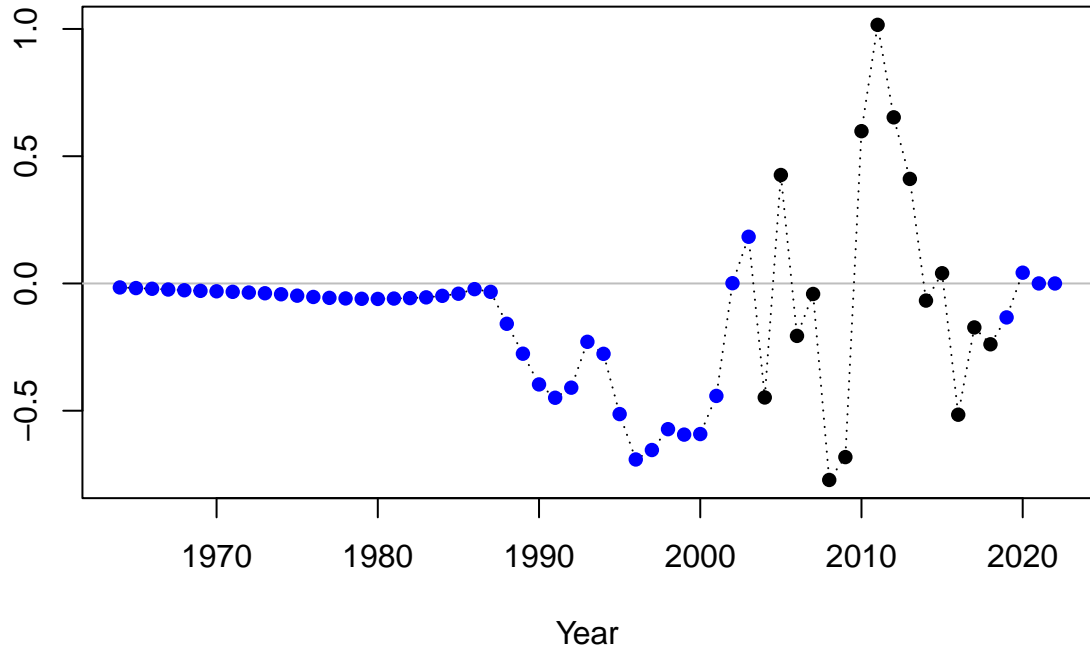
Summary Fishing Mortality



Spawning biomass (mt)

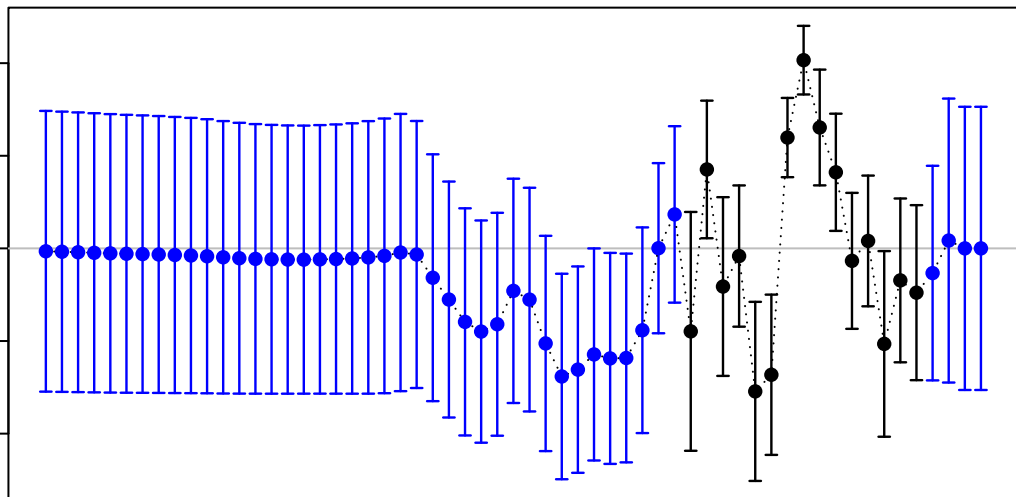


Log recruitment deviation



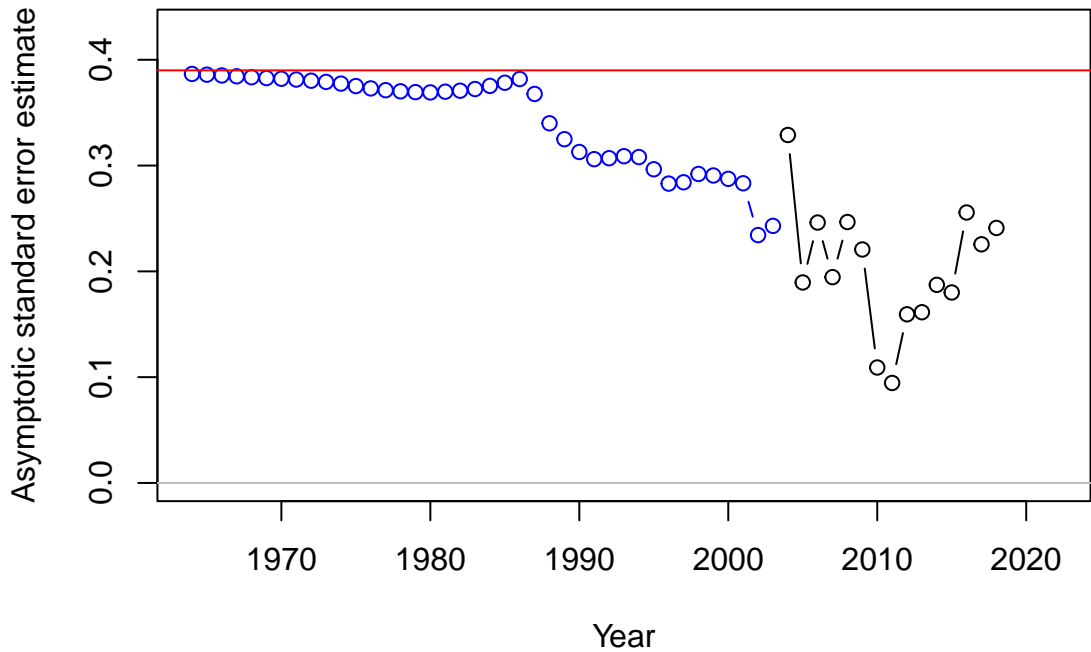
Log recruitment deviation

1.0  
0.5  
0.0  
-0.5  
-1.0

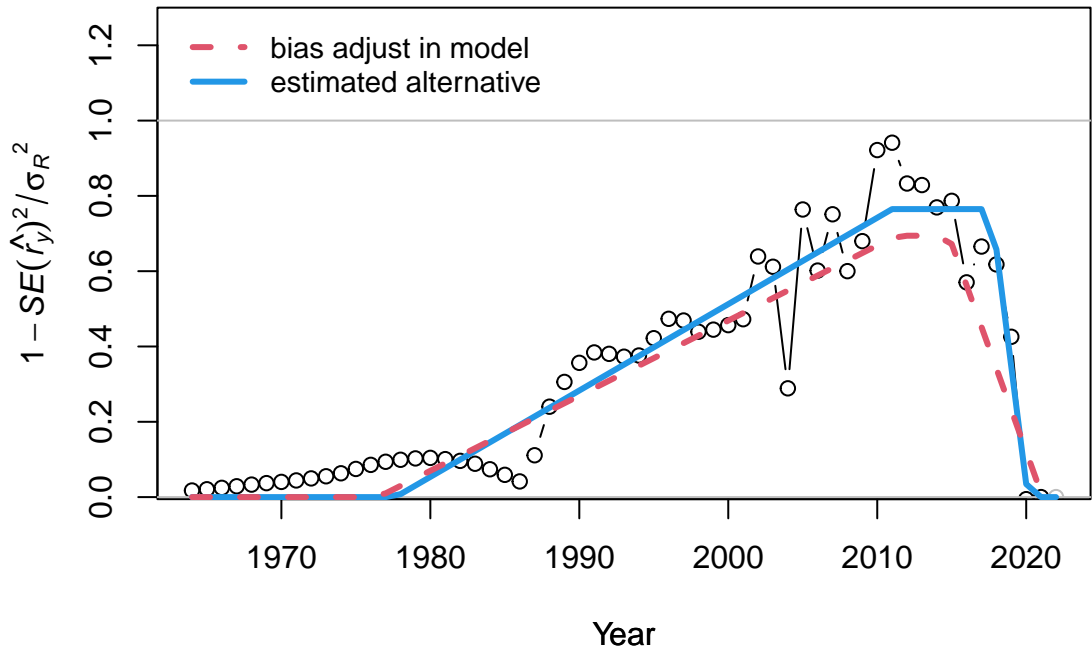


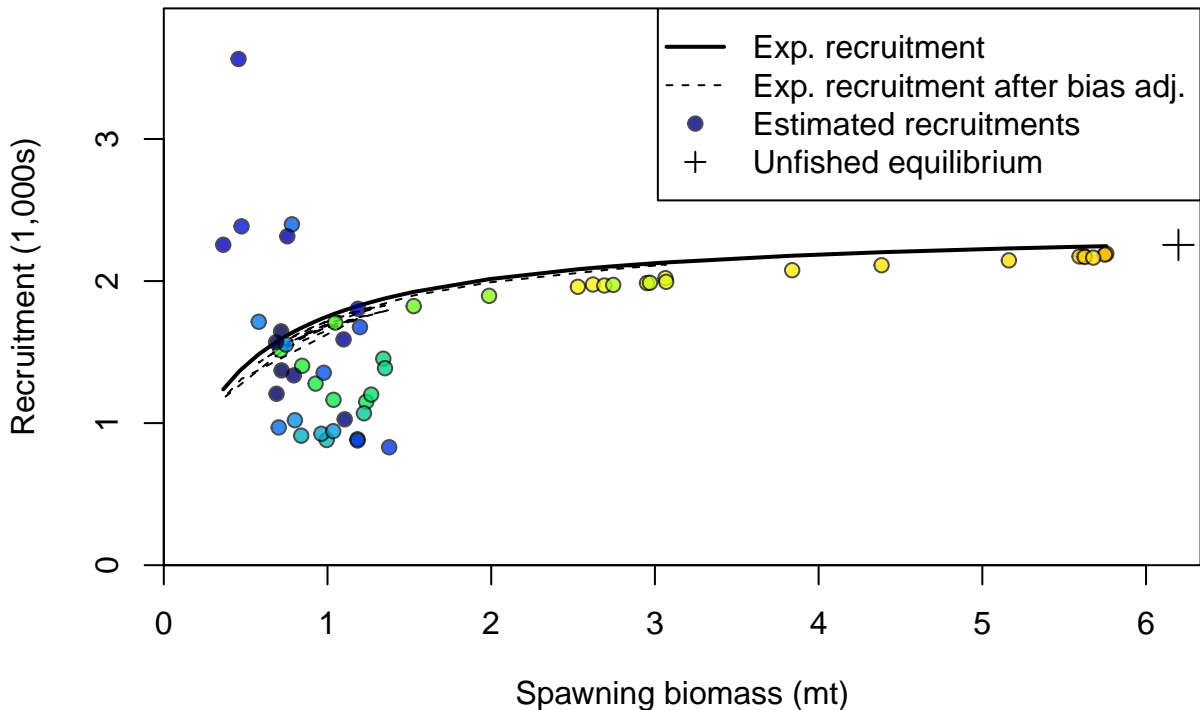
Year

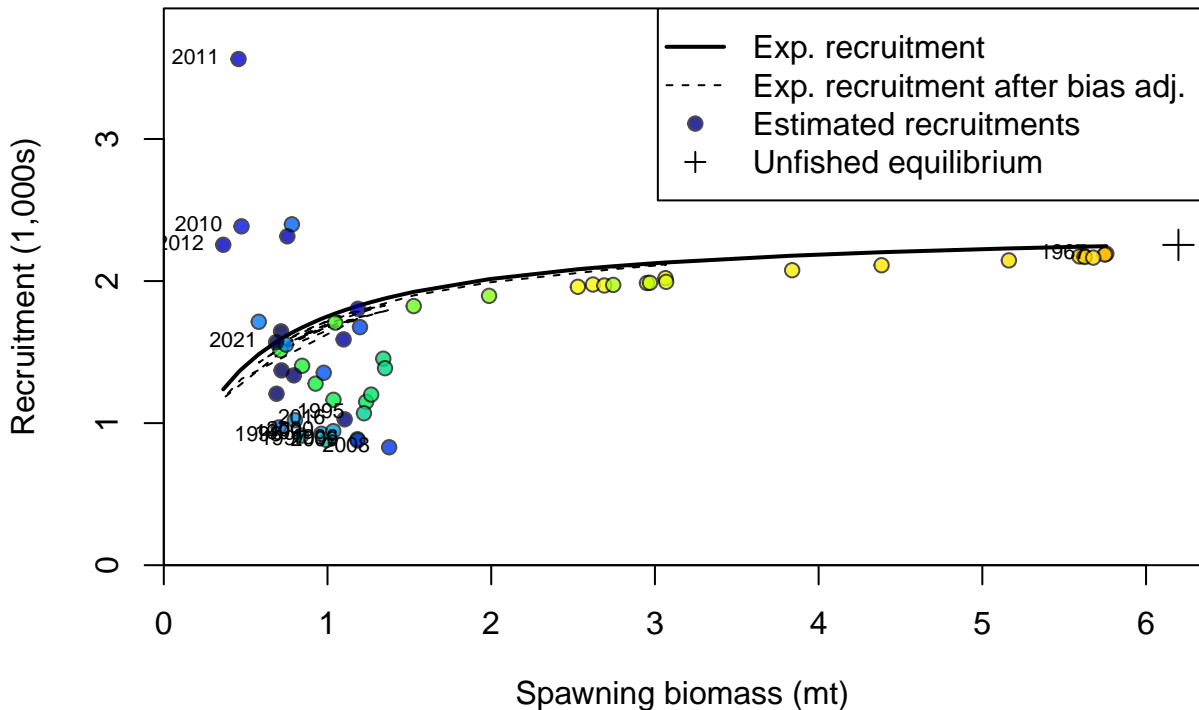
## Recruitment deviation variance



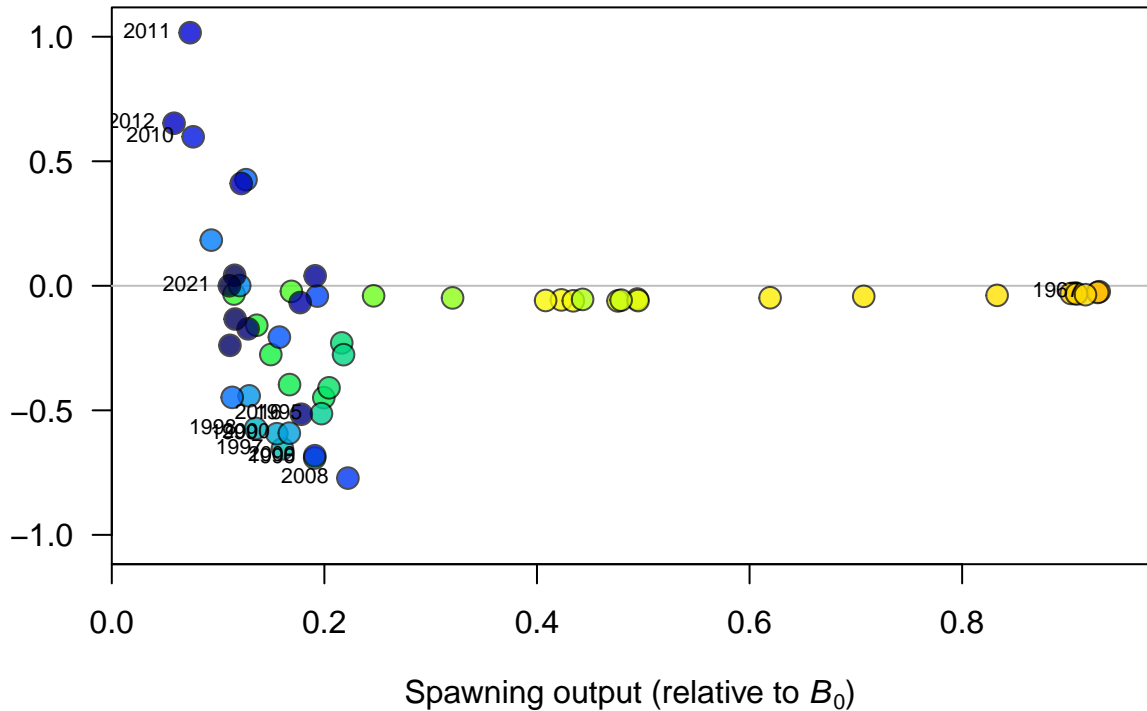


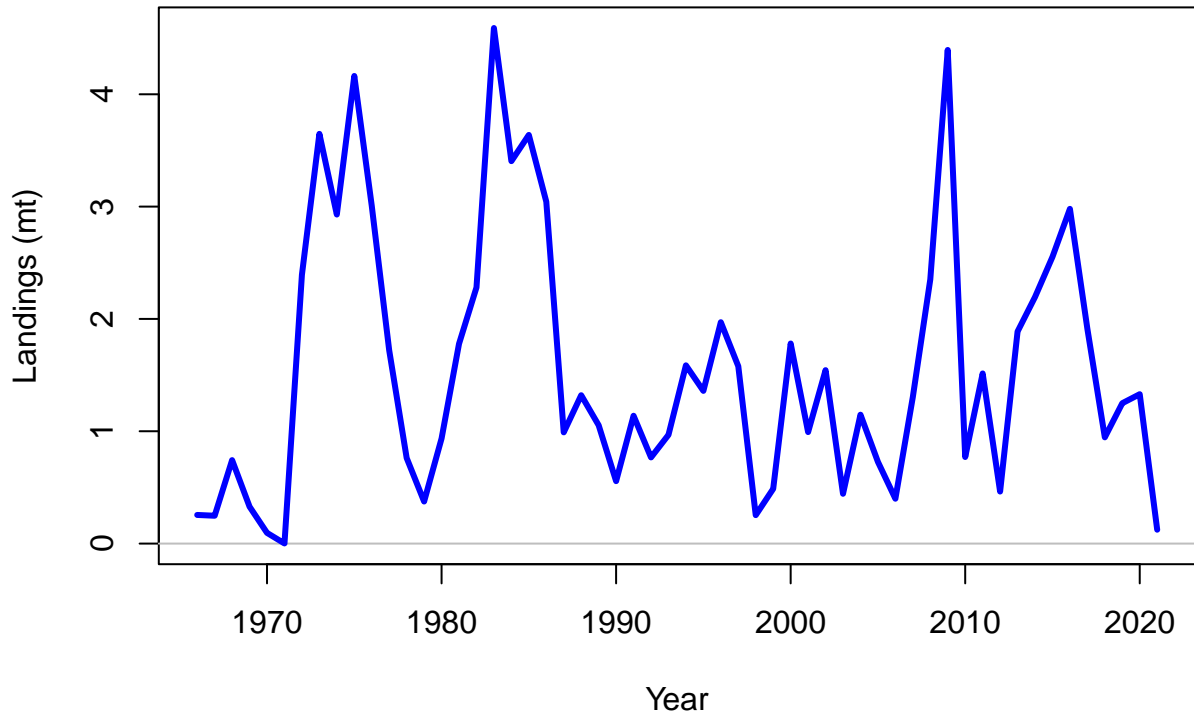


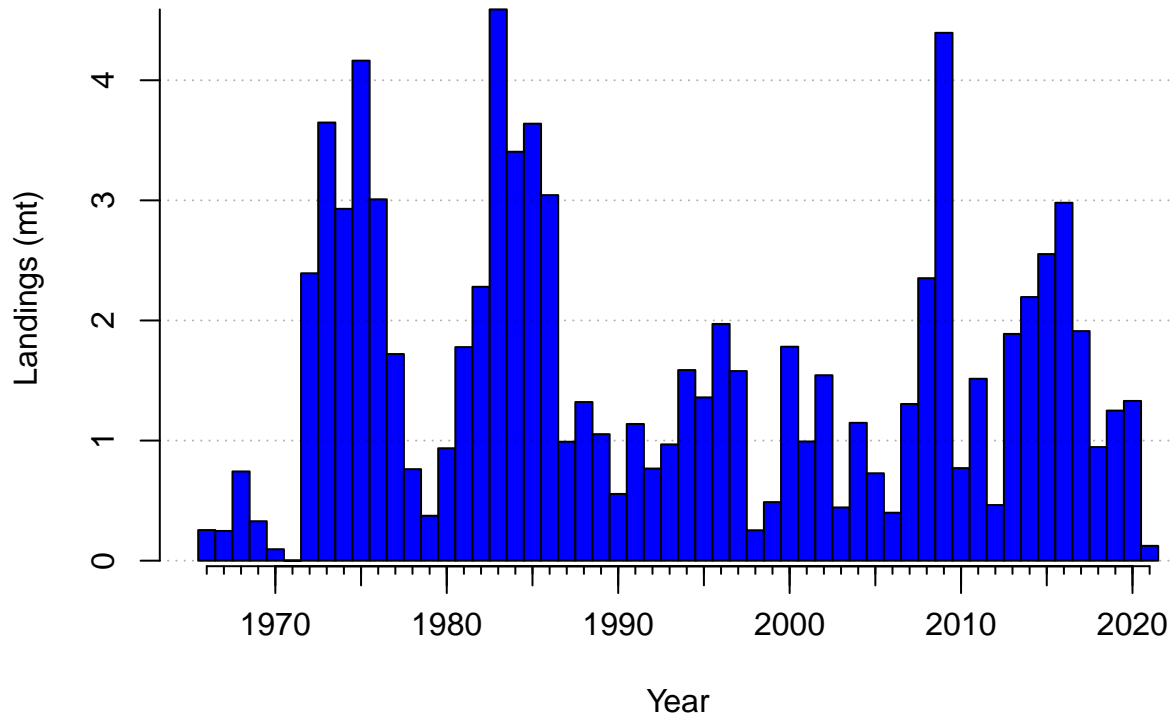




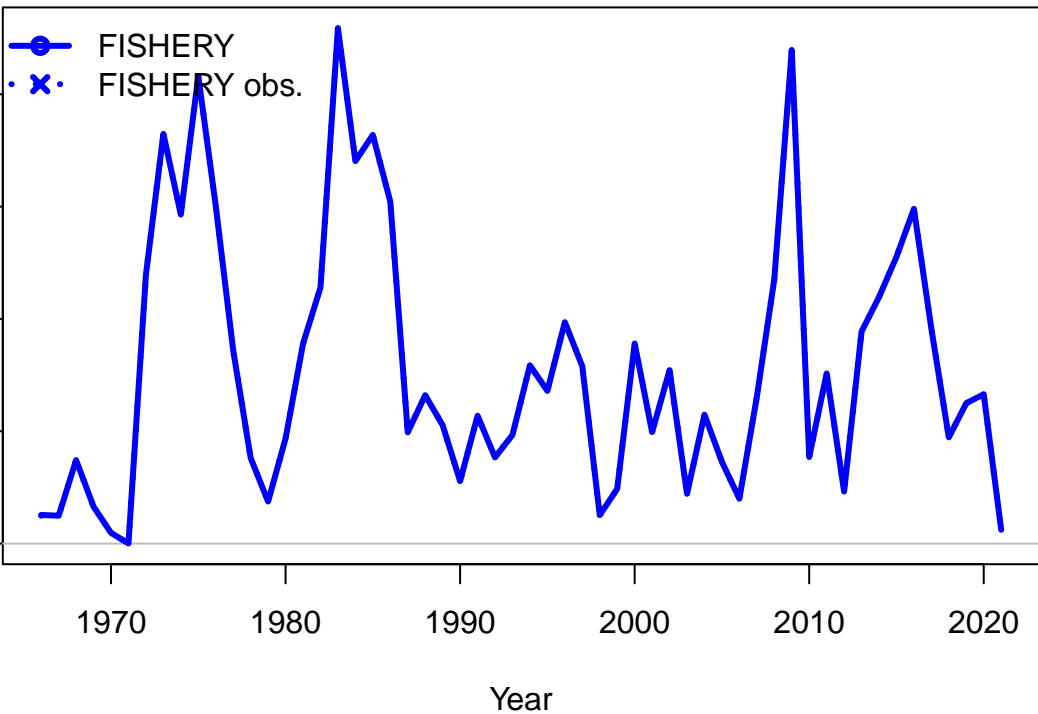
Log recruitment deviation

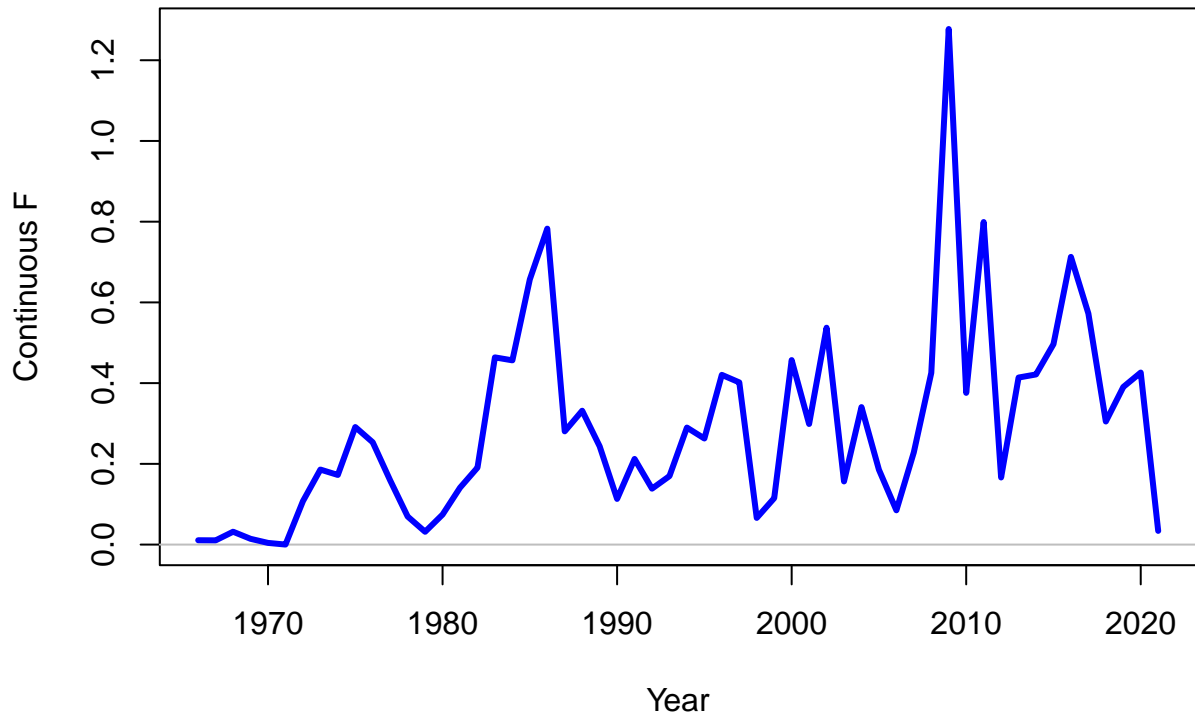






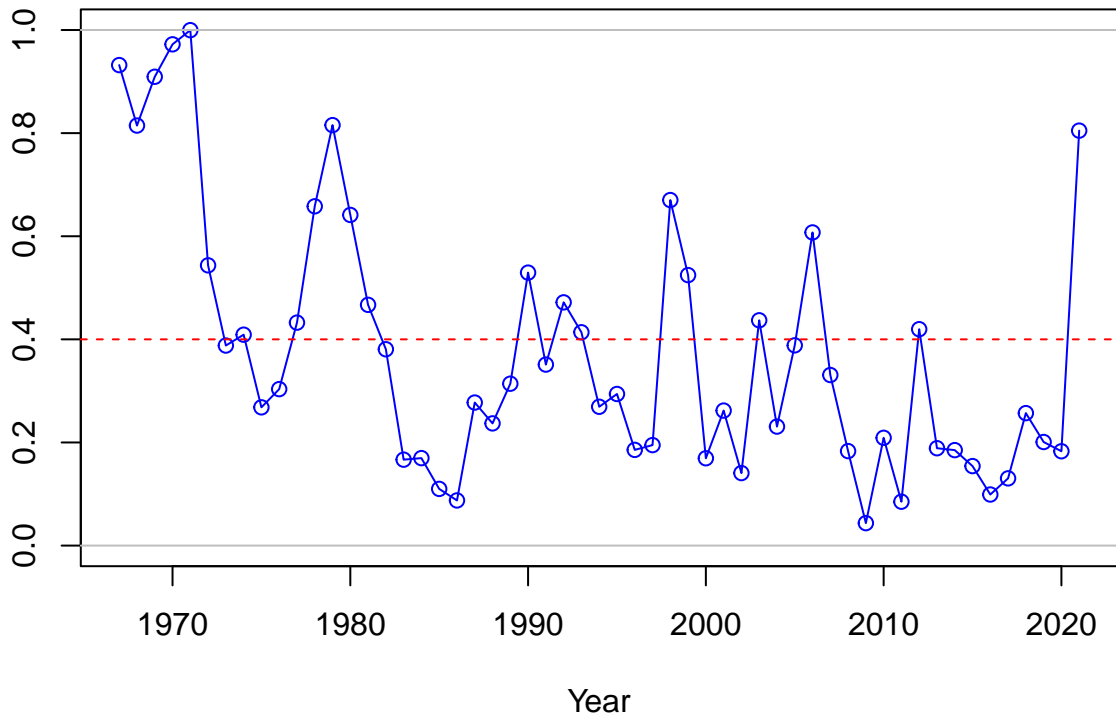
Observed and expected Landings (mt)

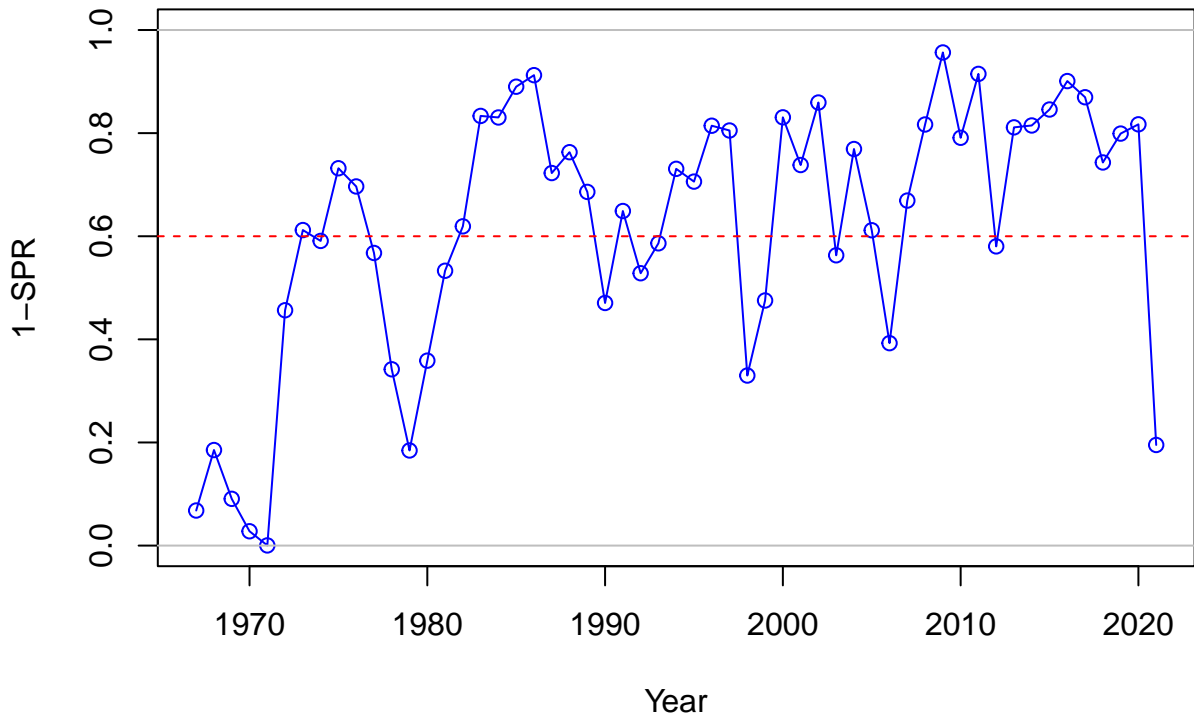




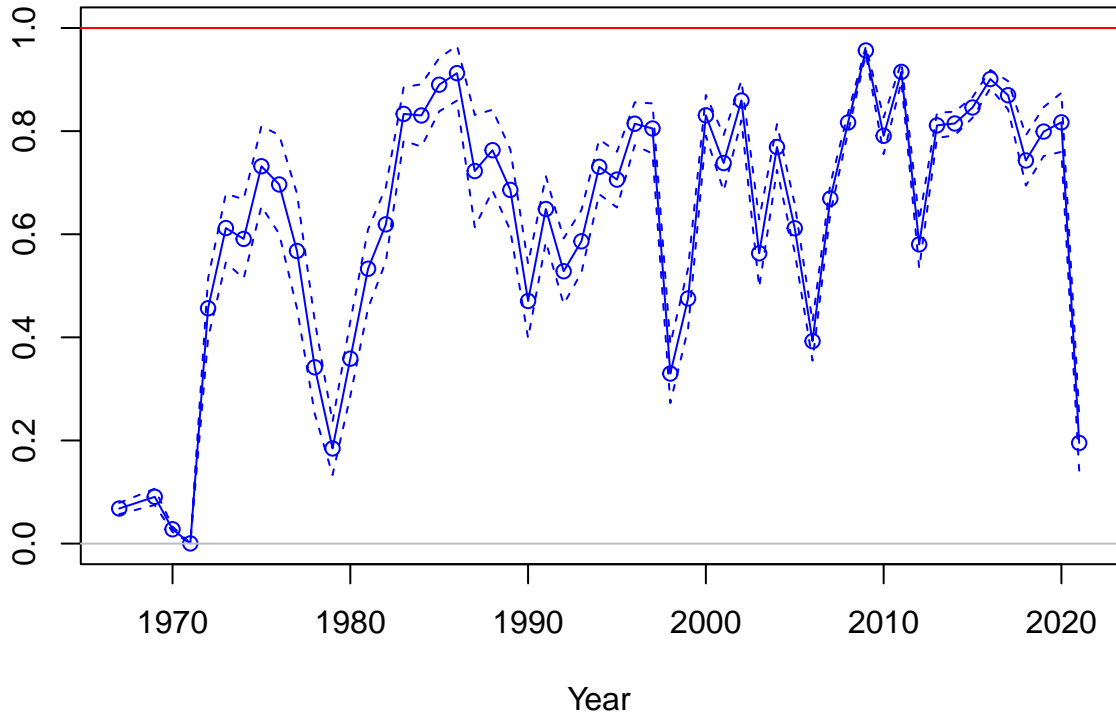


SPR

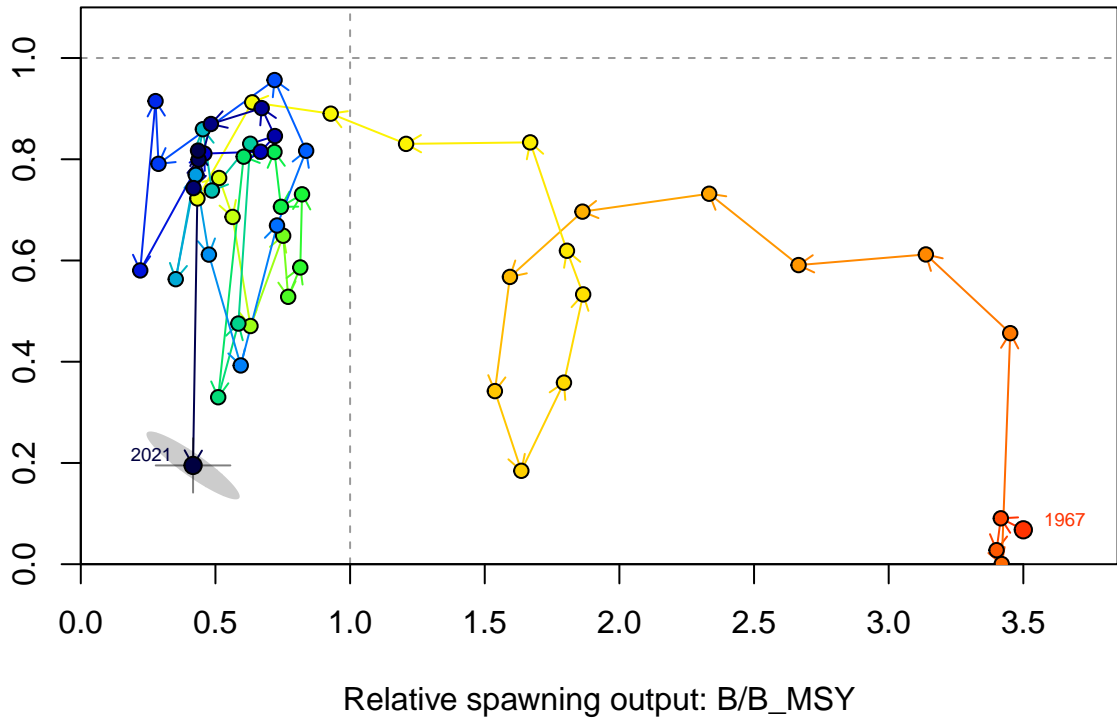




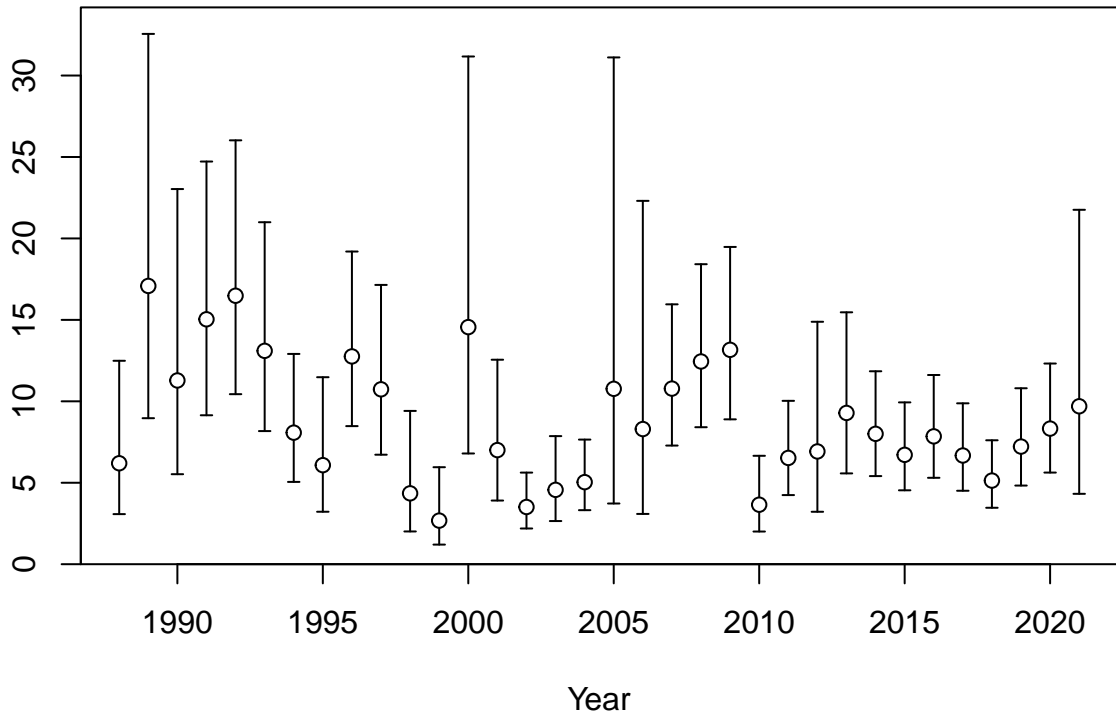
Fishing intensity: 1-SPR



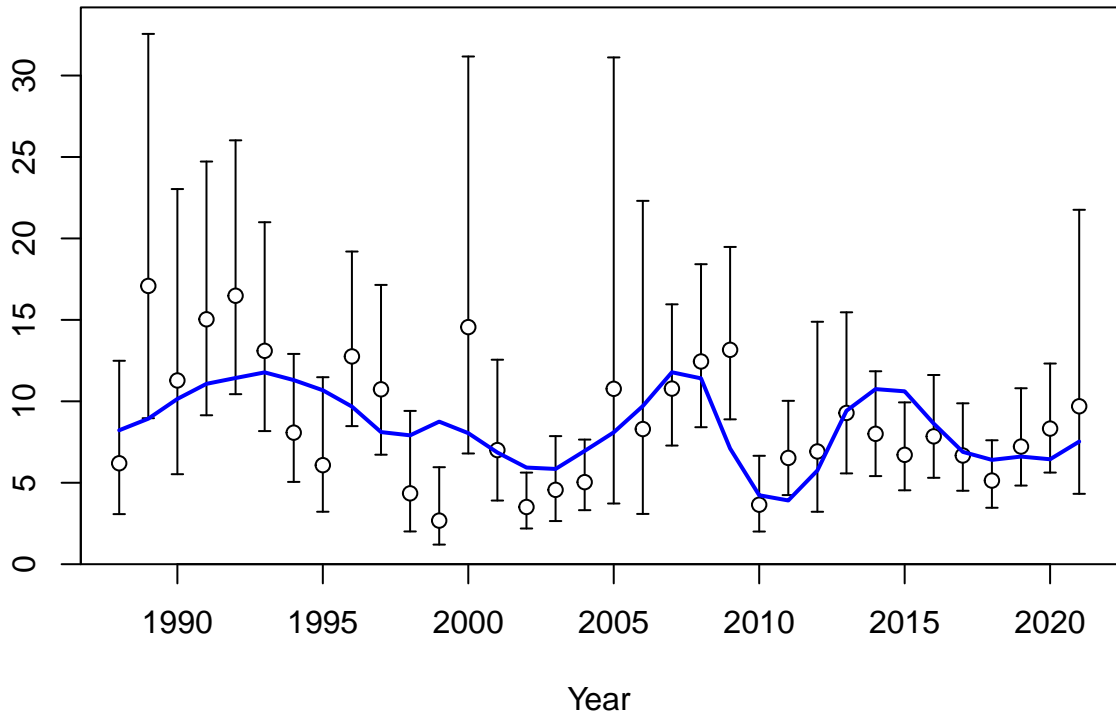
Fishing intensity: 1-SPR

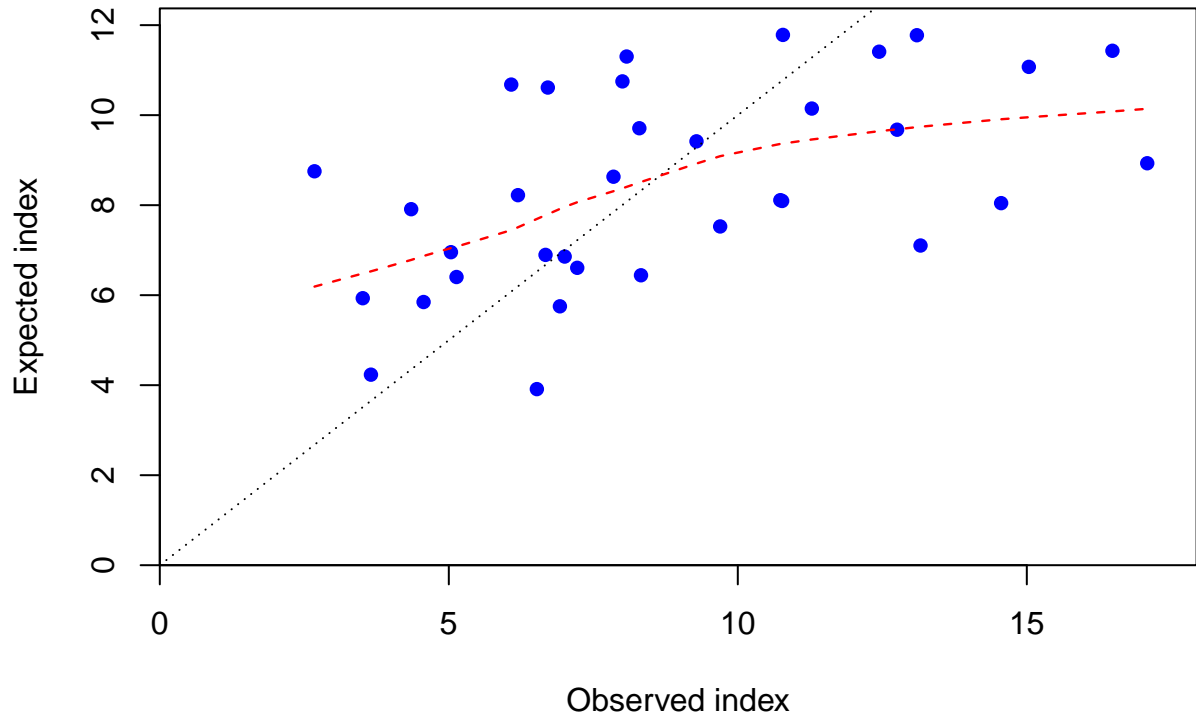


Index

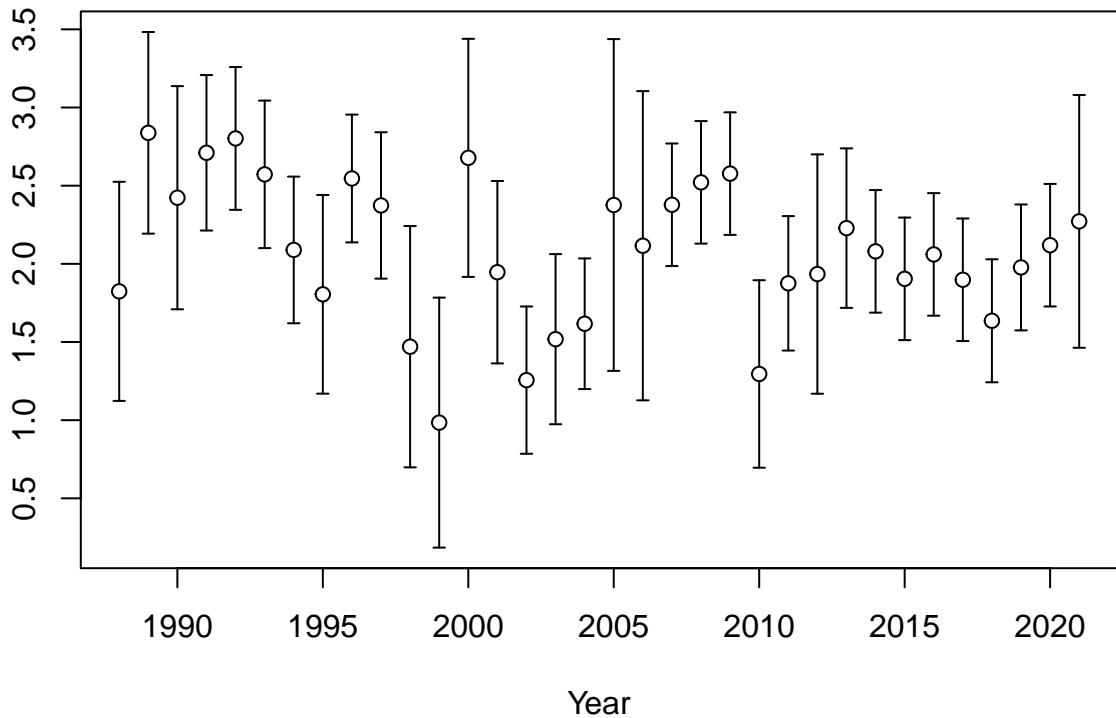


Index



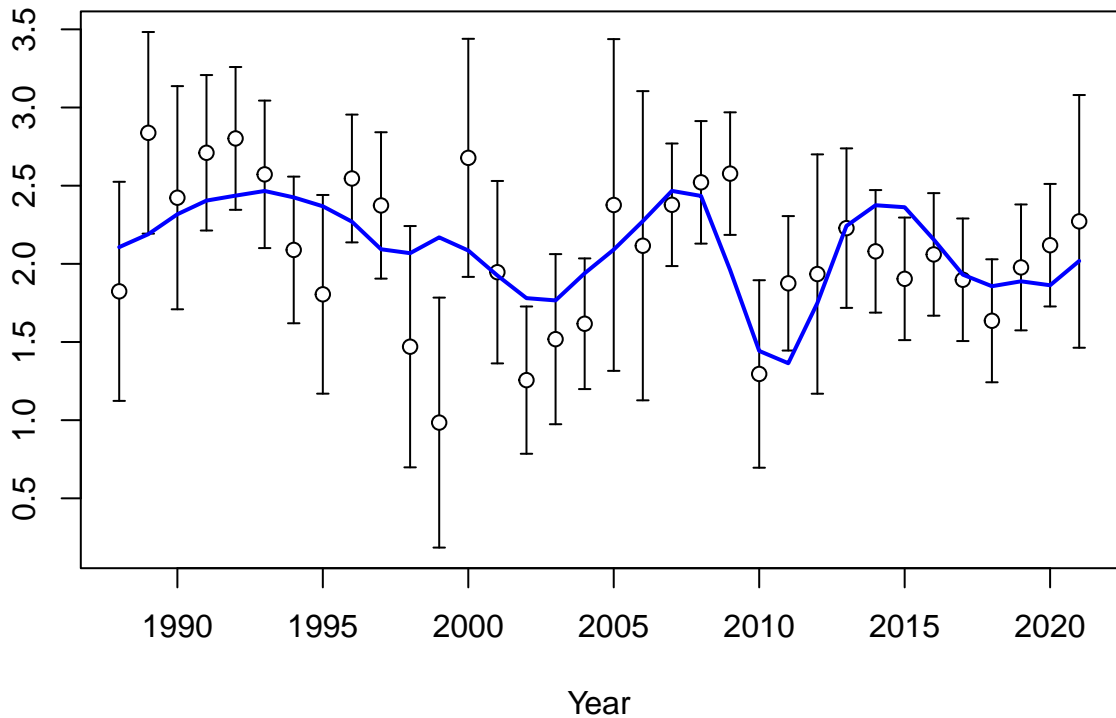


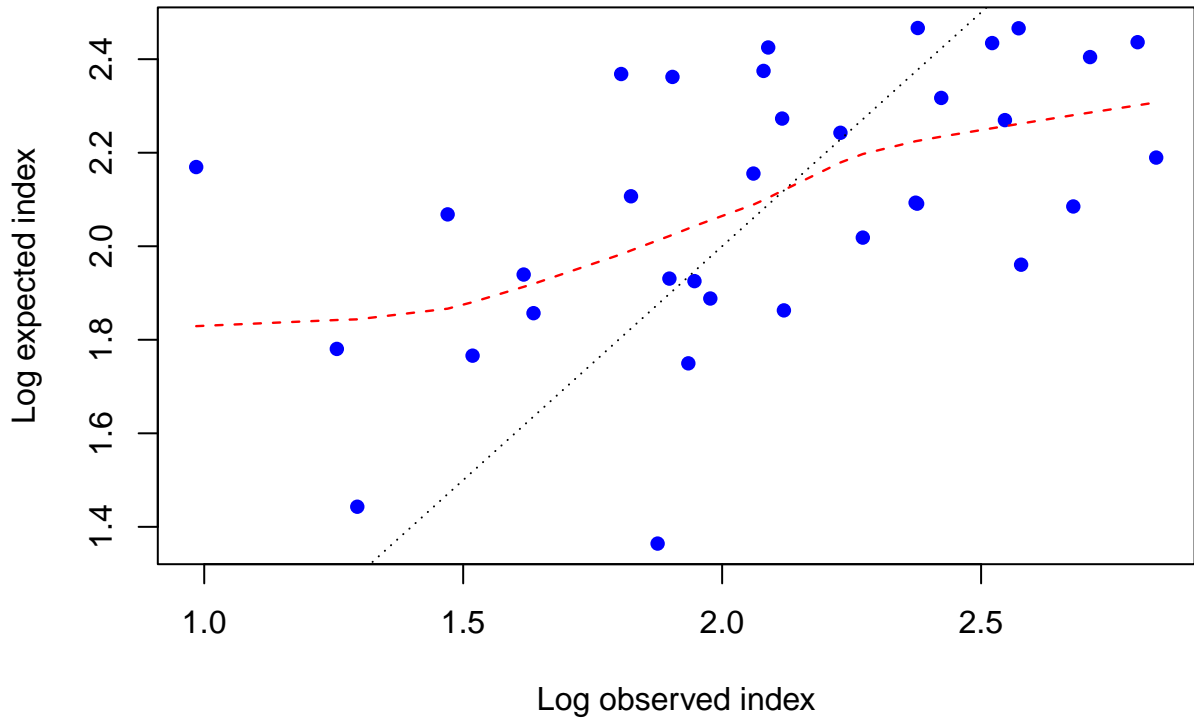
Log index

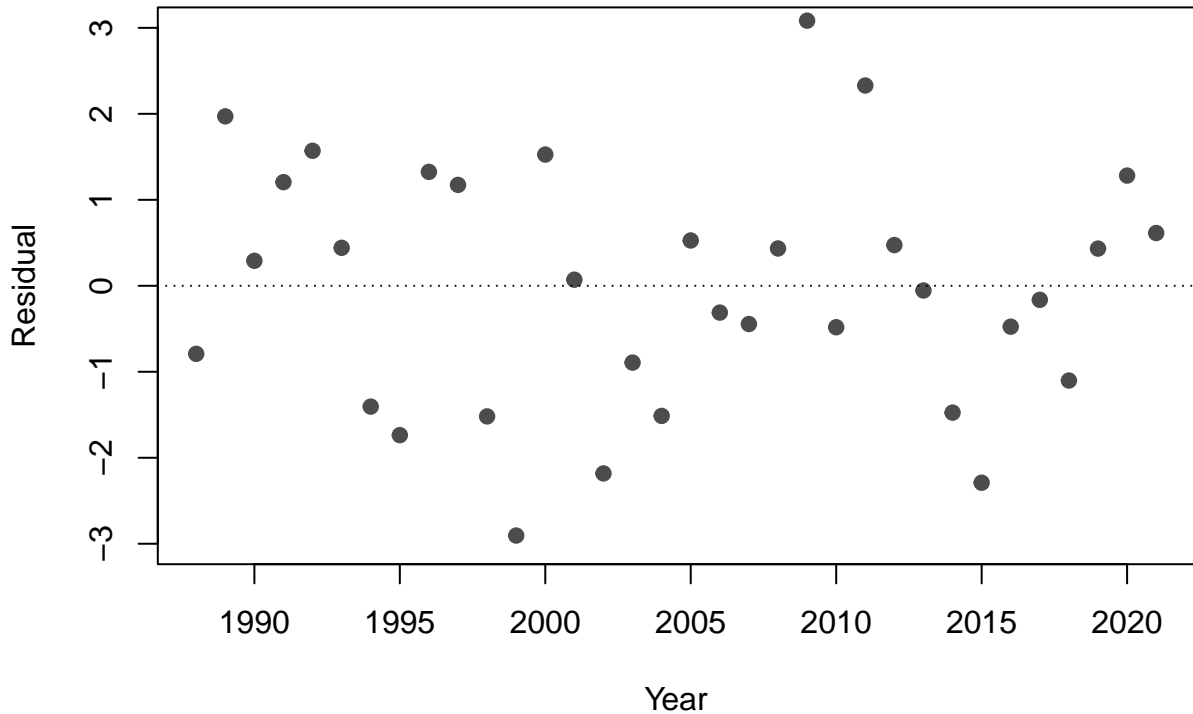


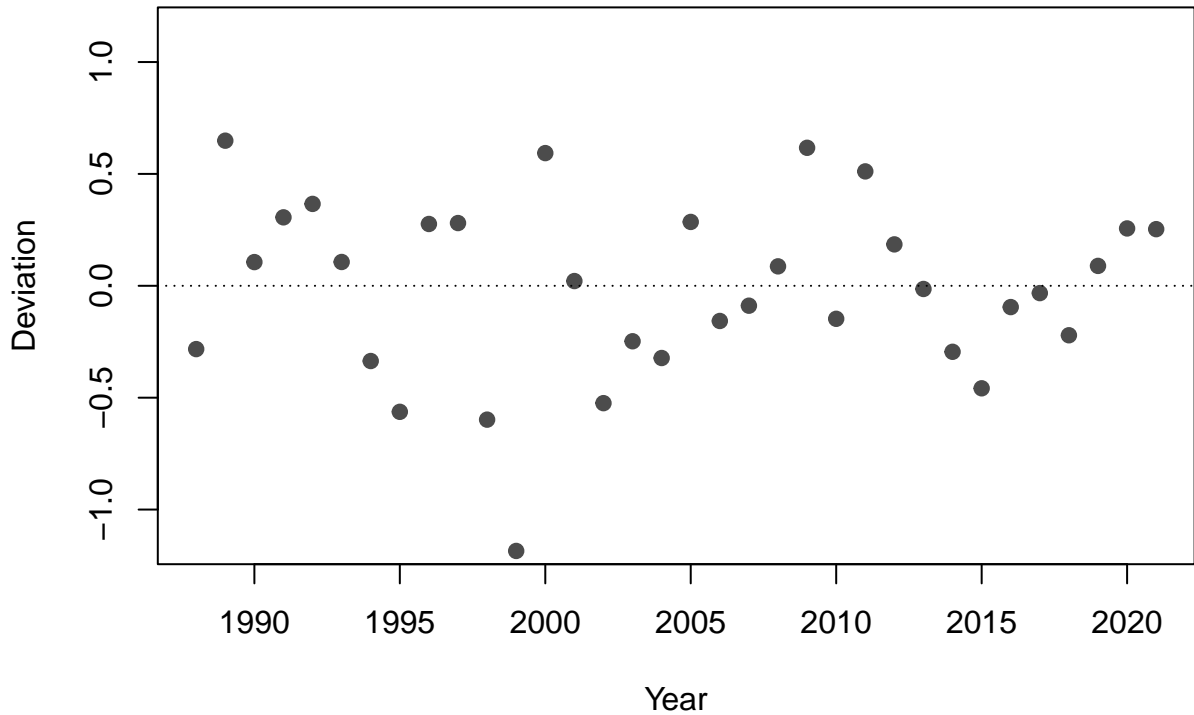


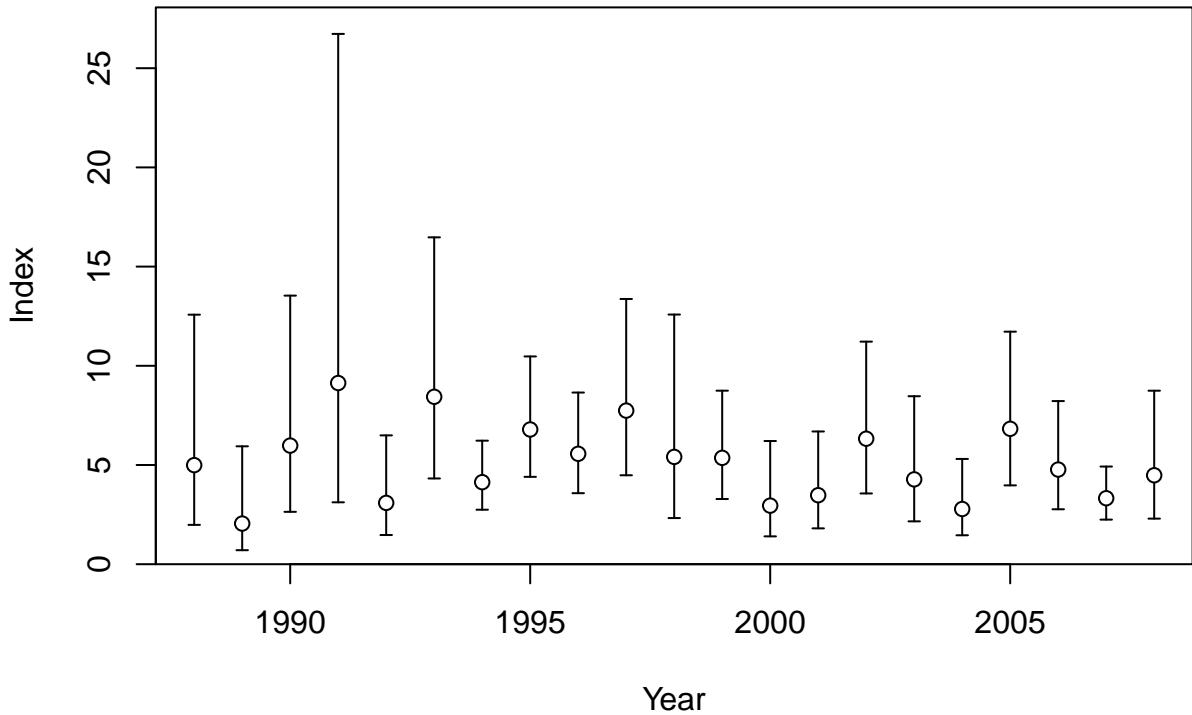
Log index

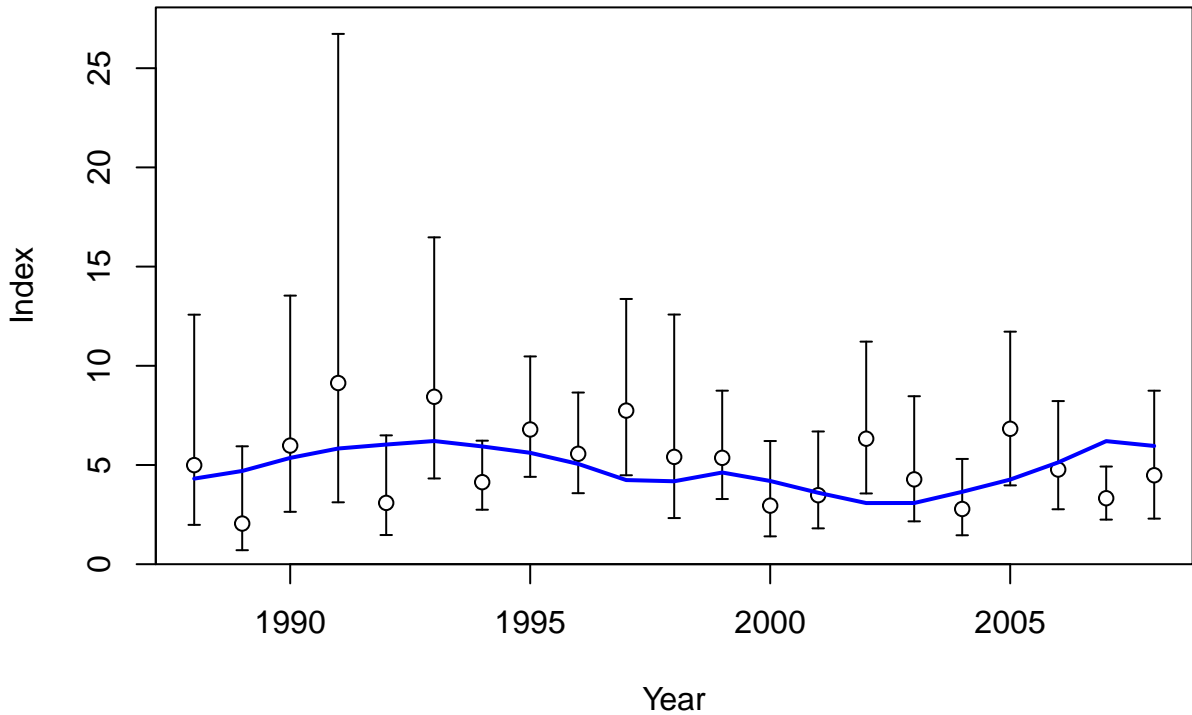


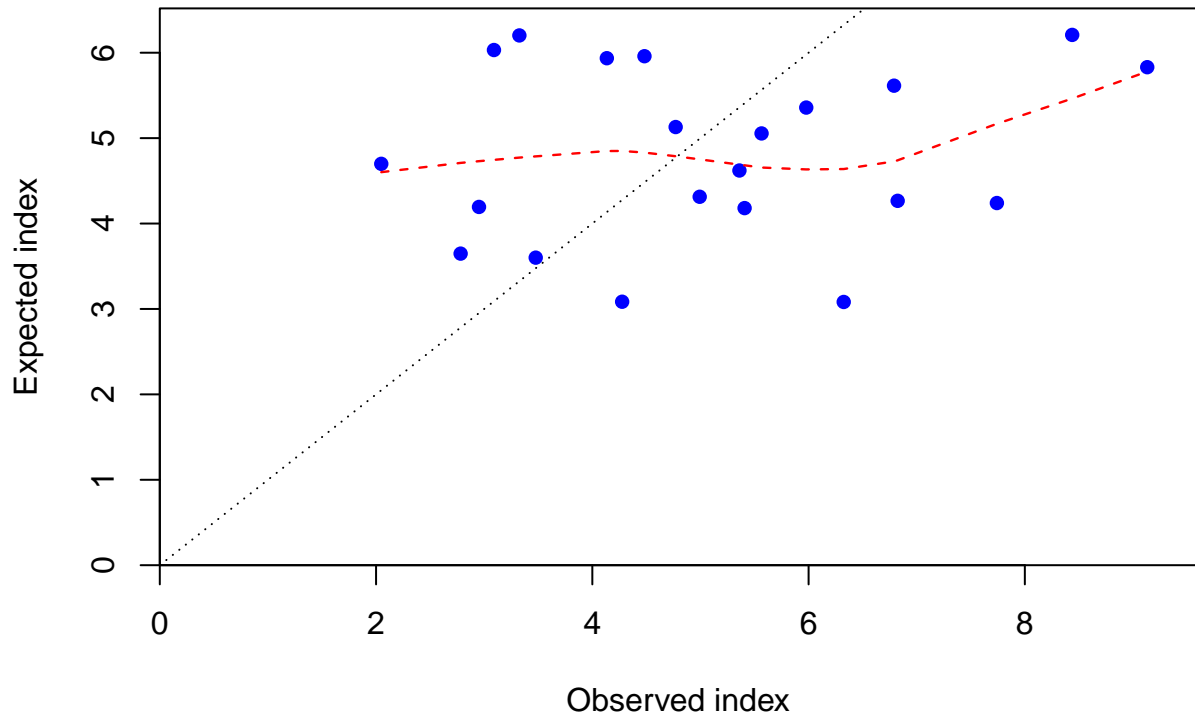


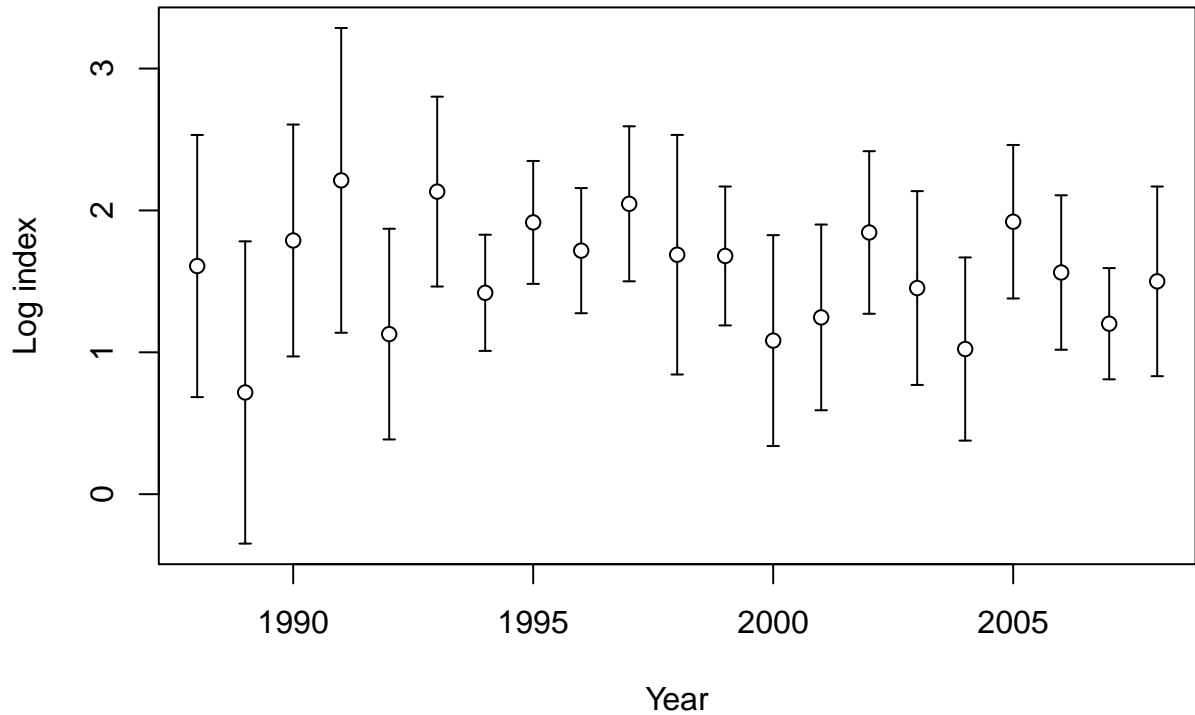




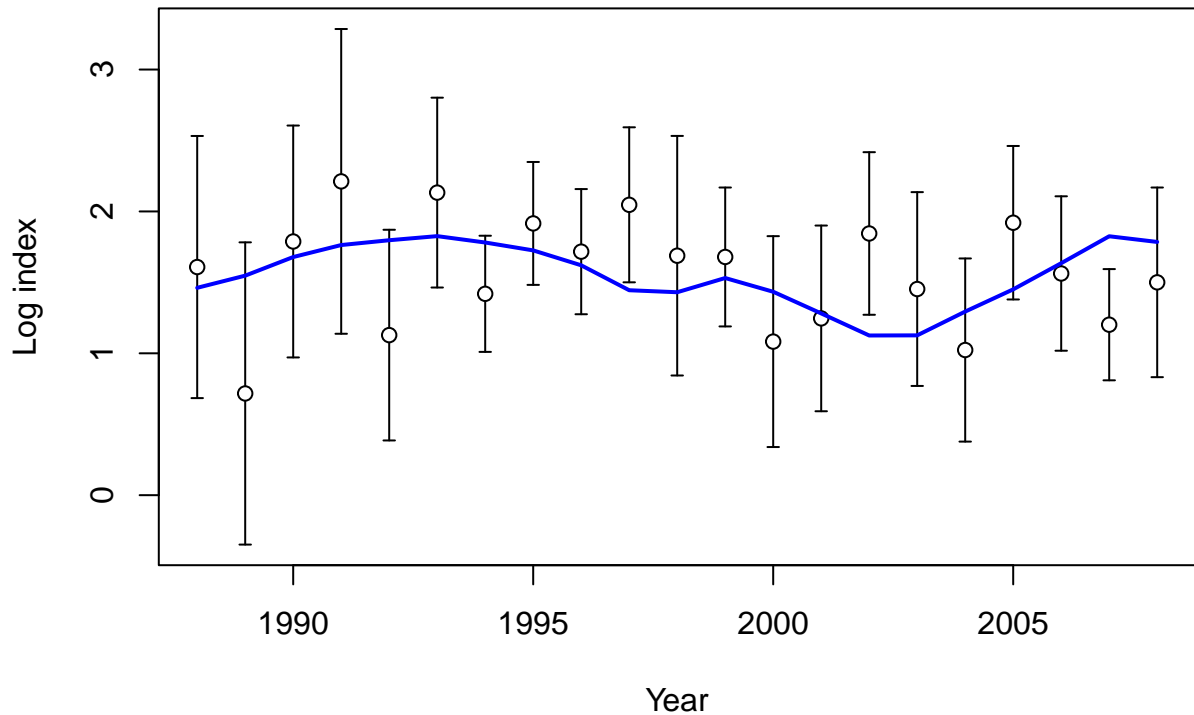


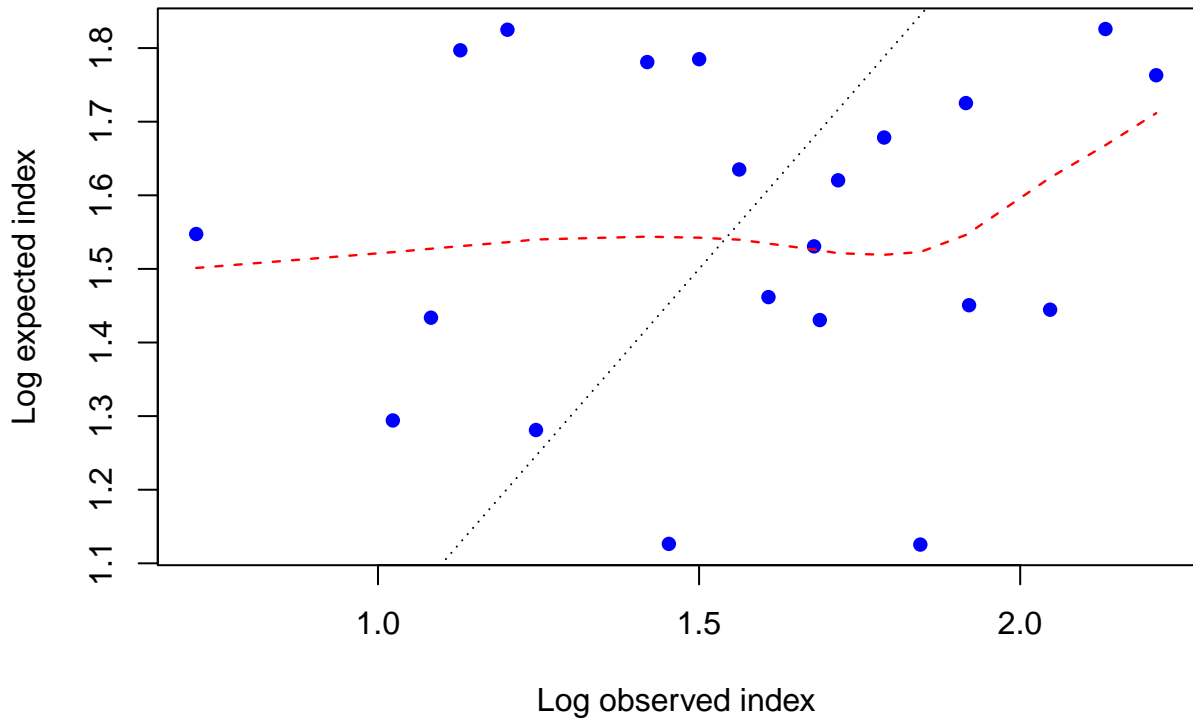


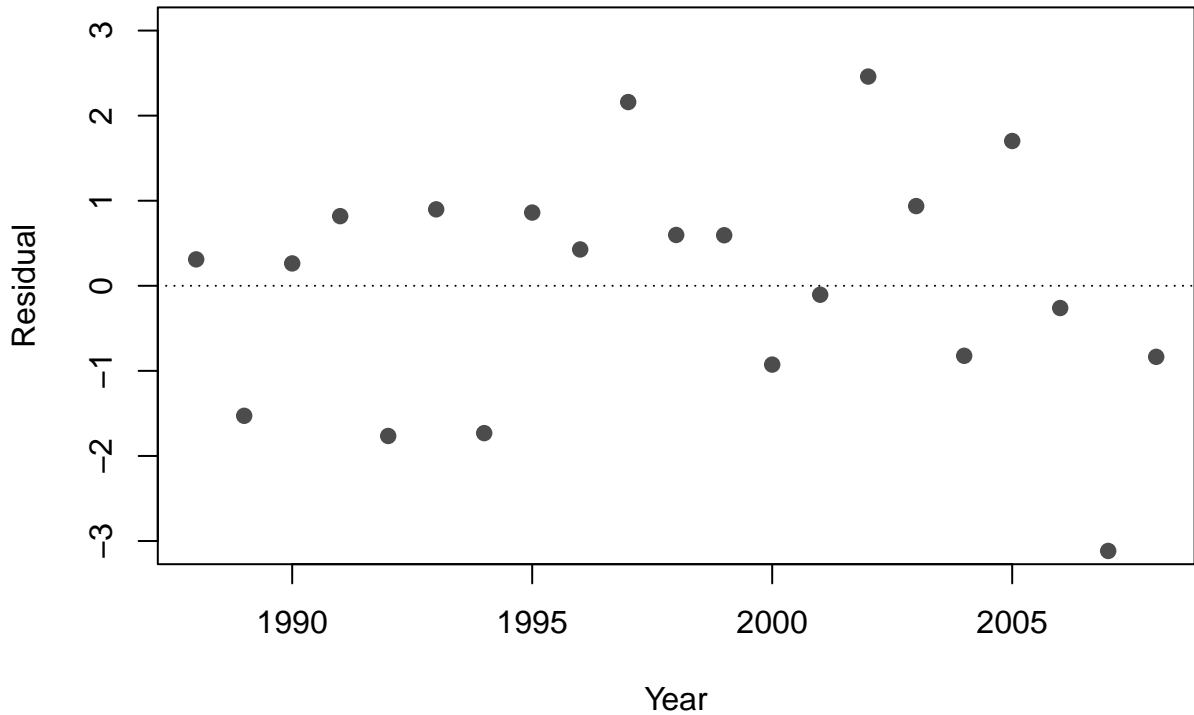


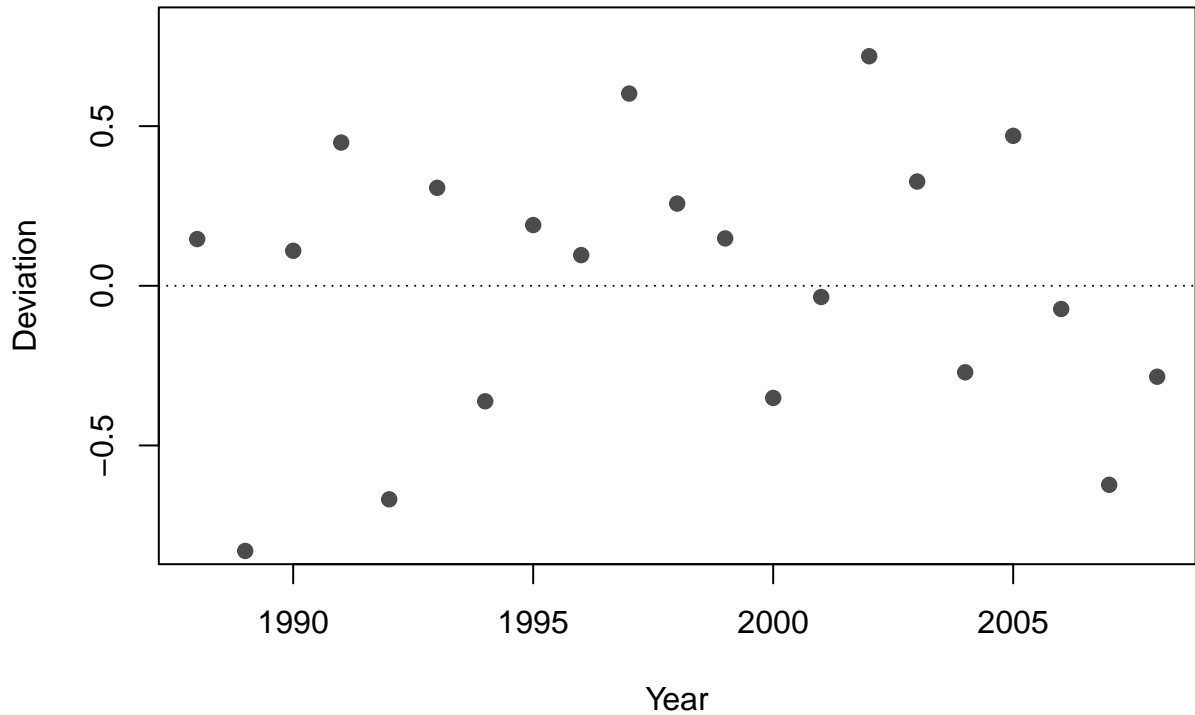




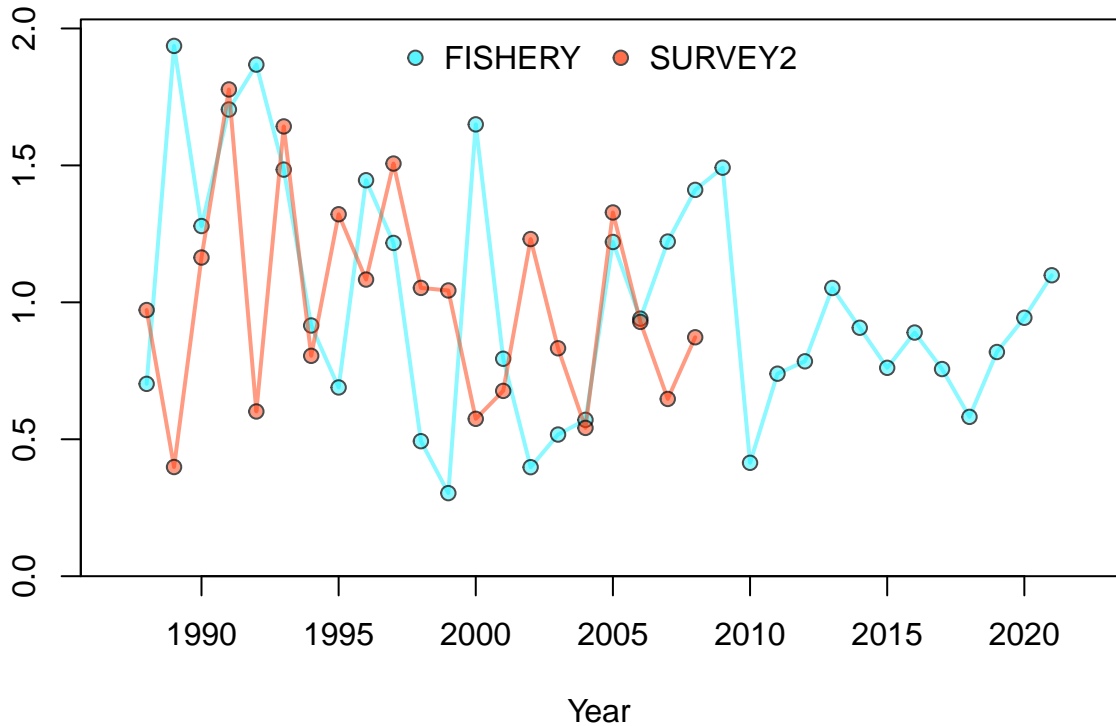


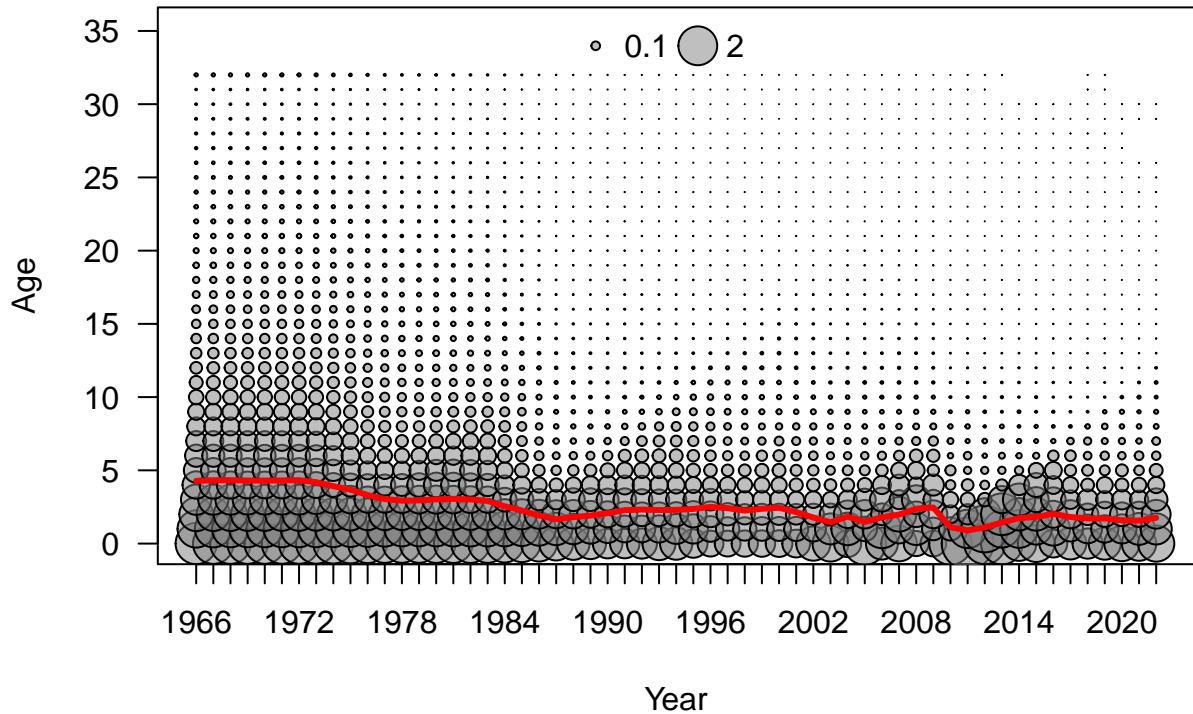


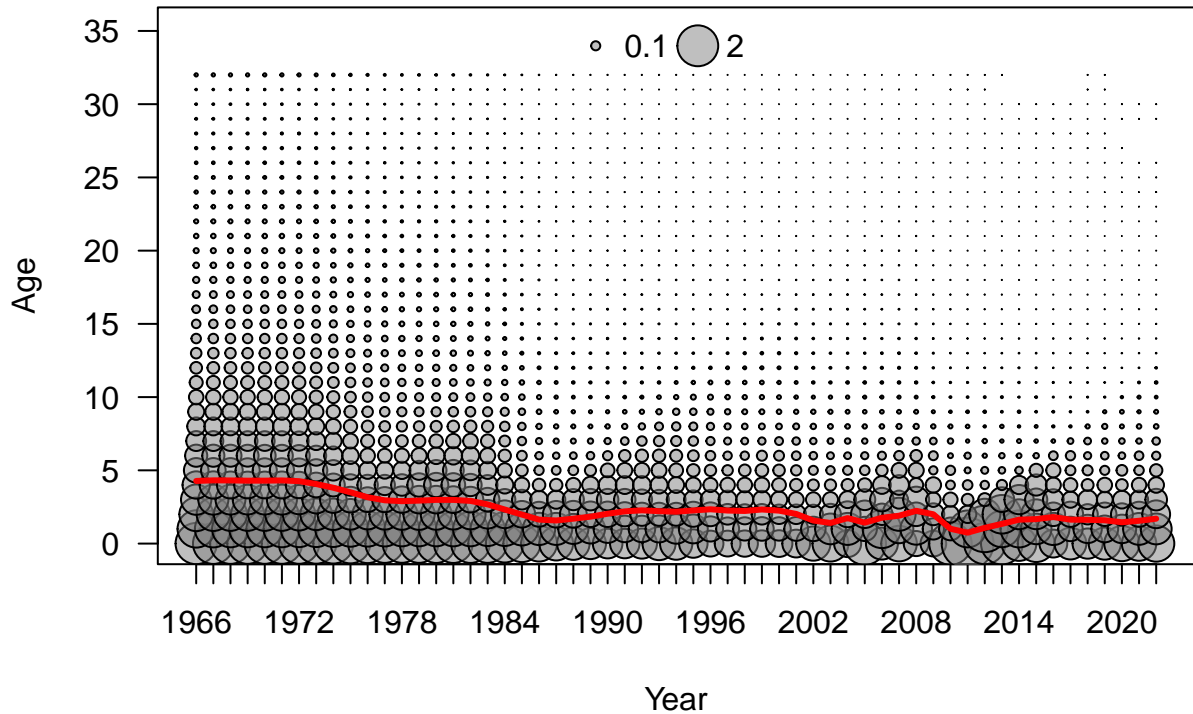


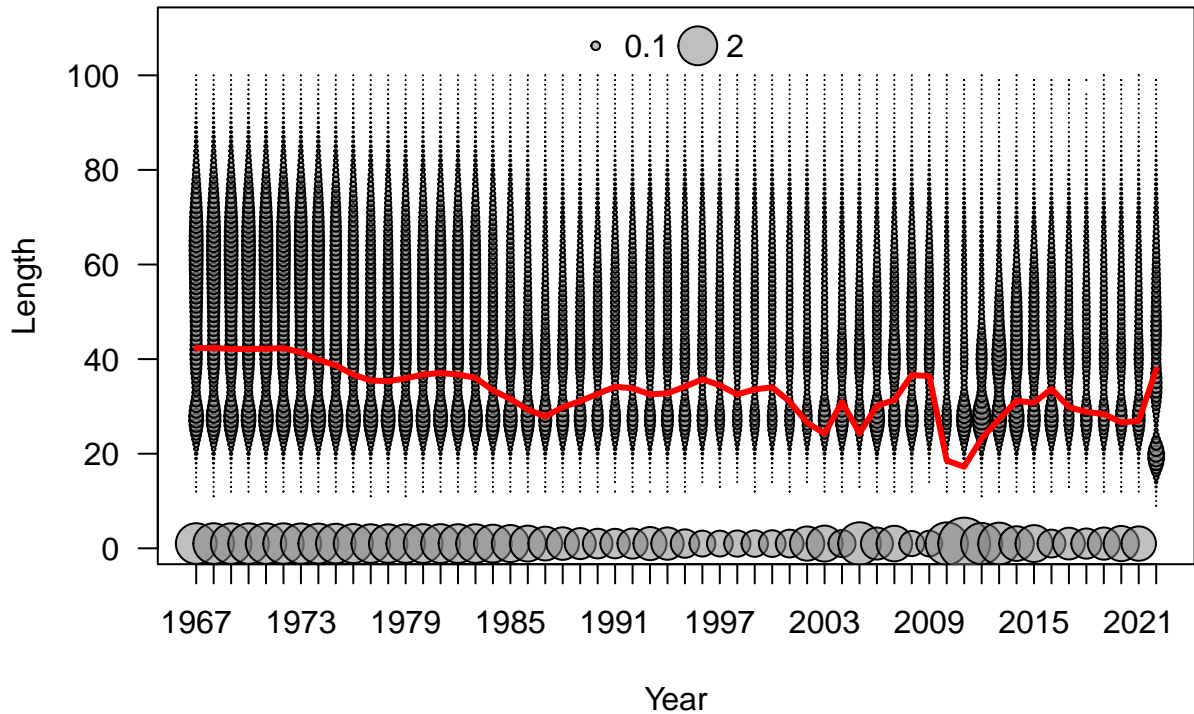


Standardized index

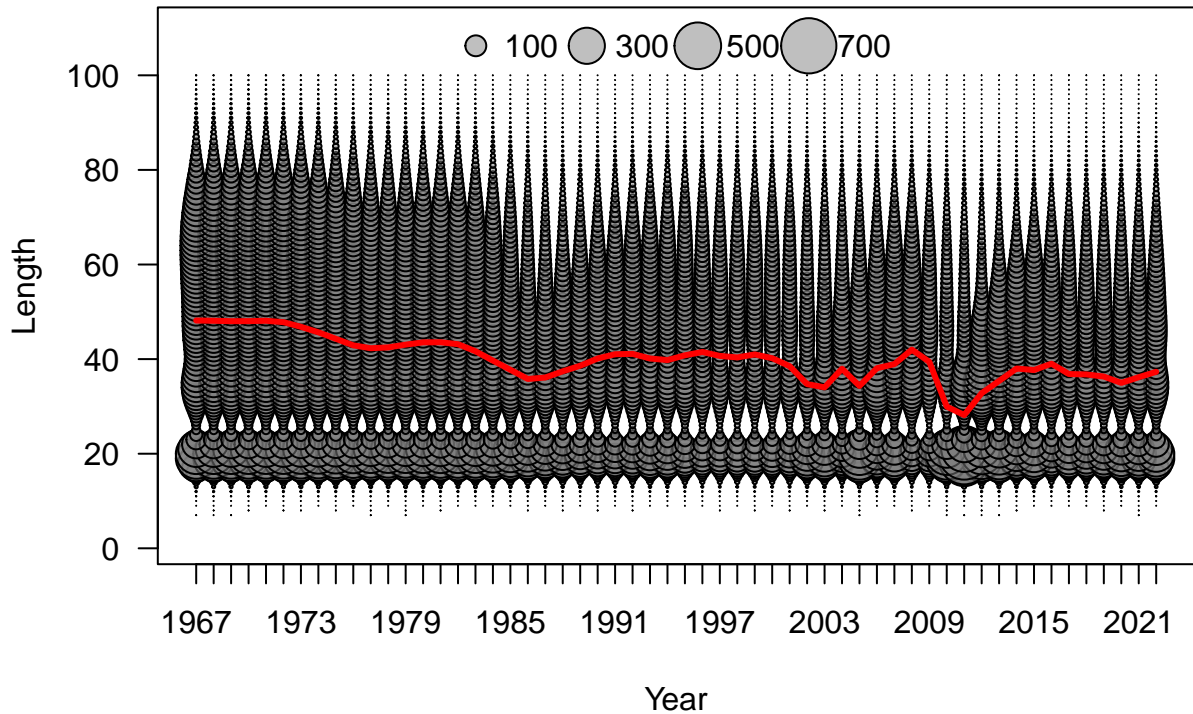


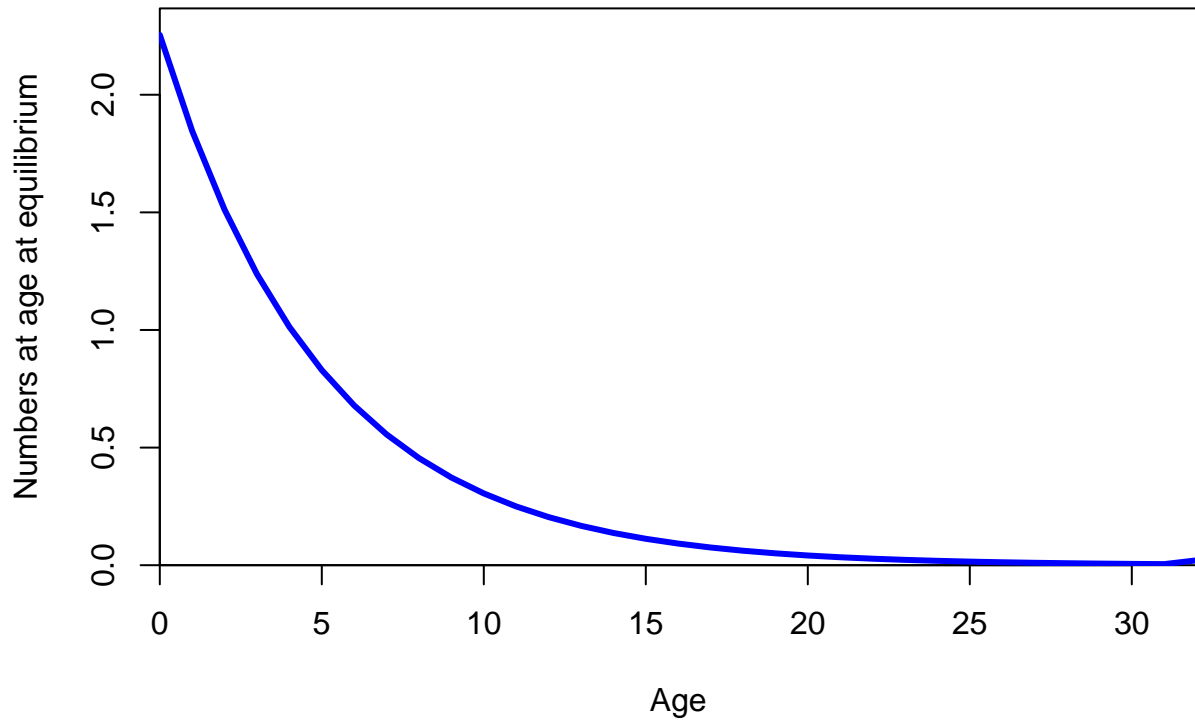


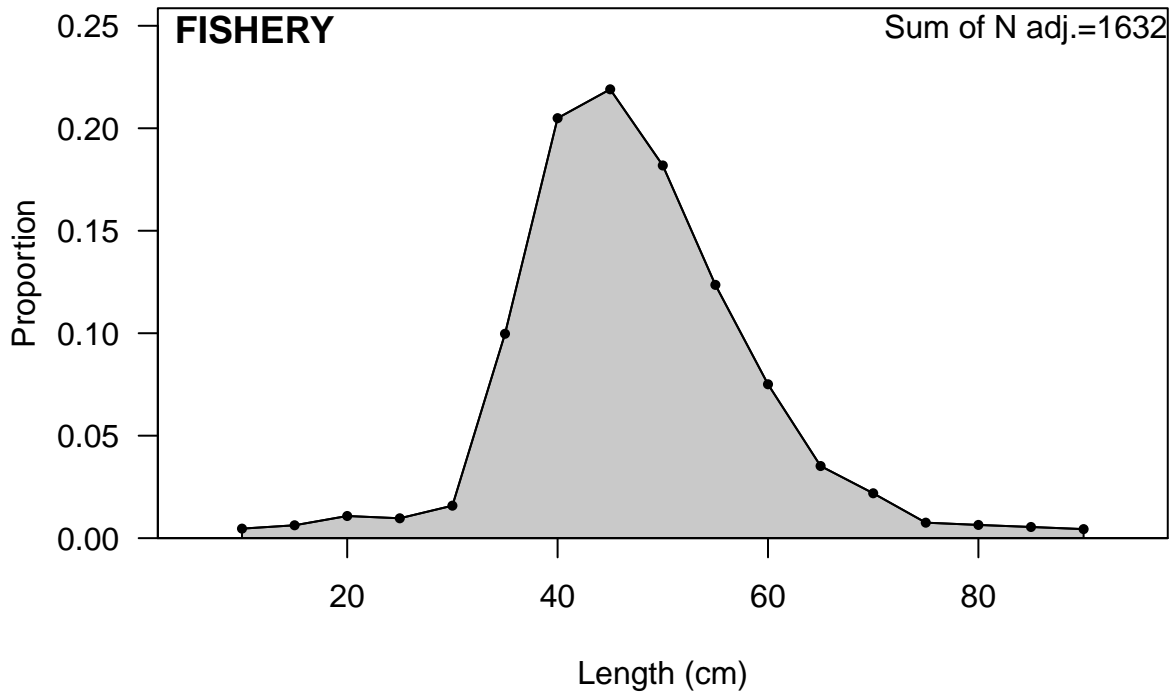










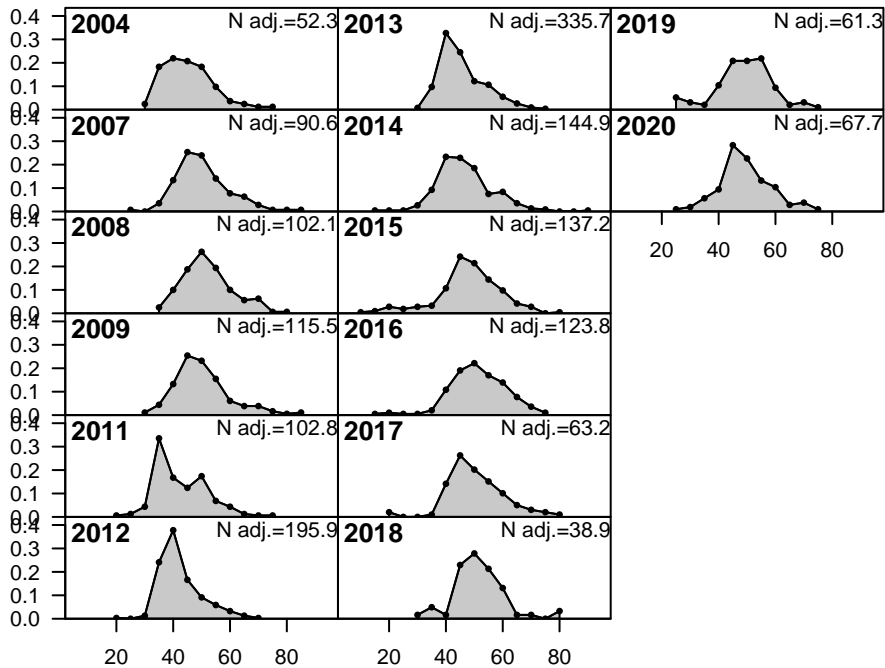


# FISHERY

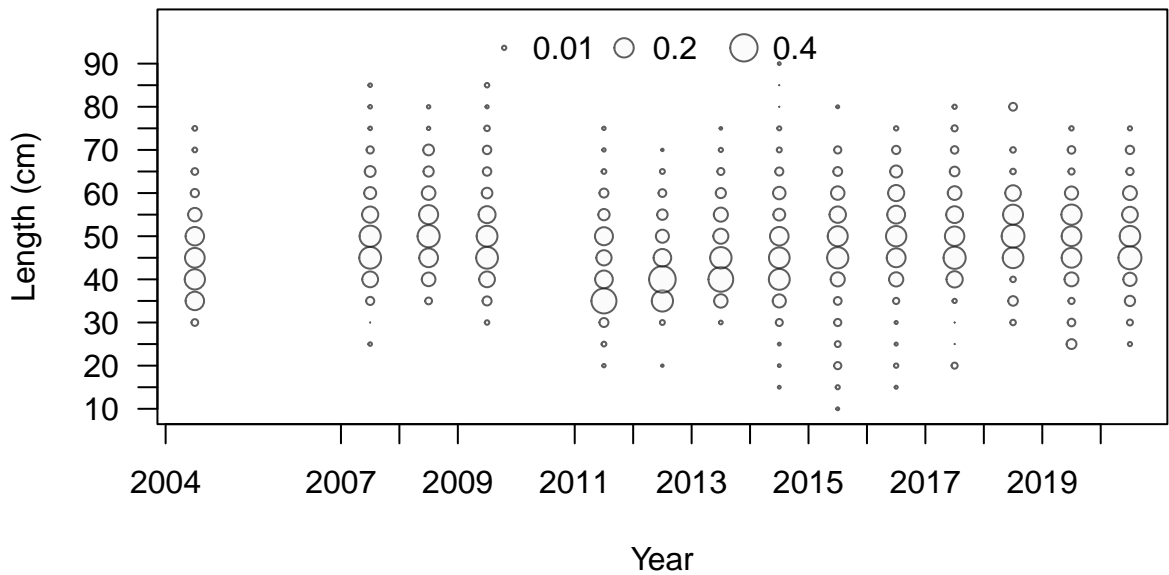
• 0.01 ○ 0.2 ○ 0.4



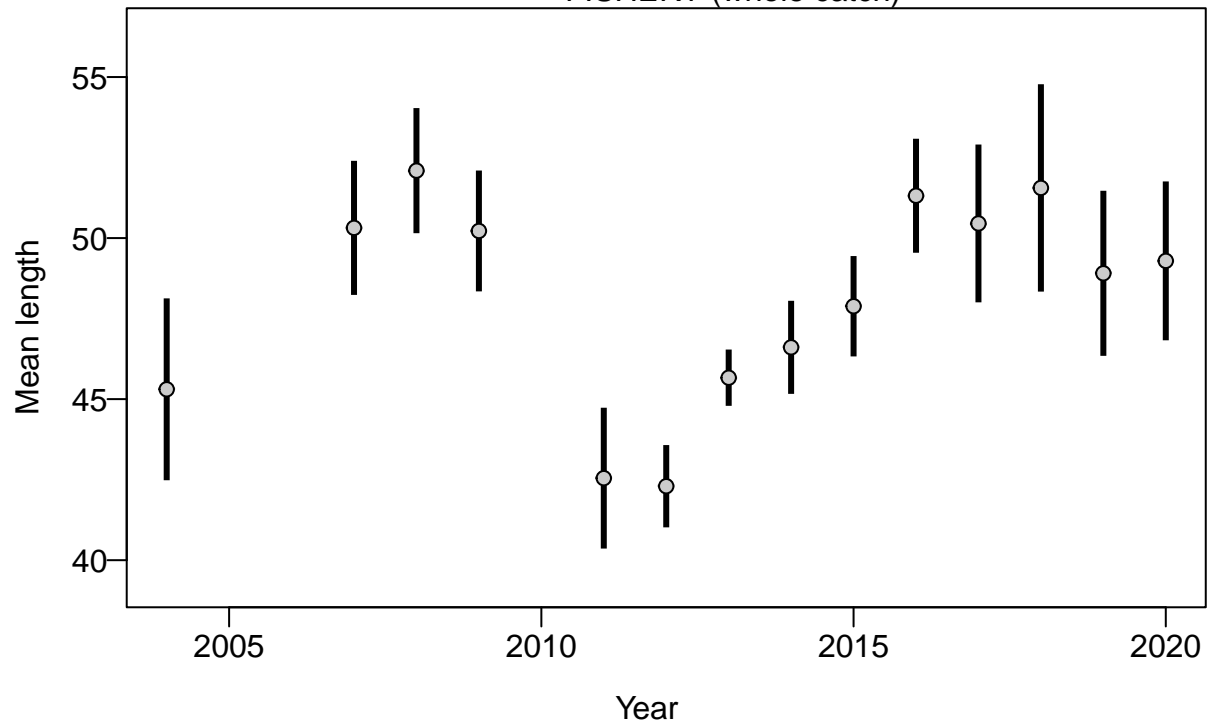
Proportion

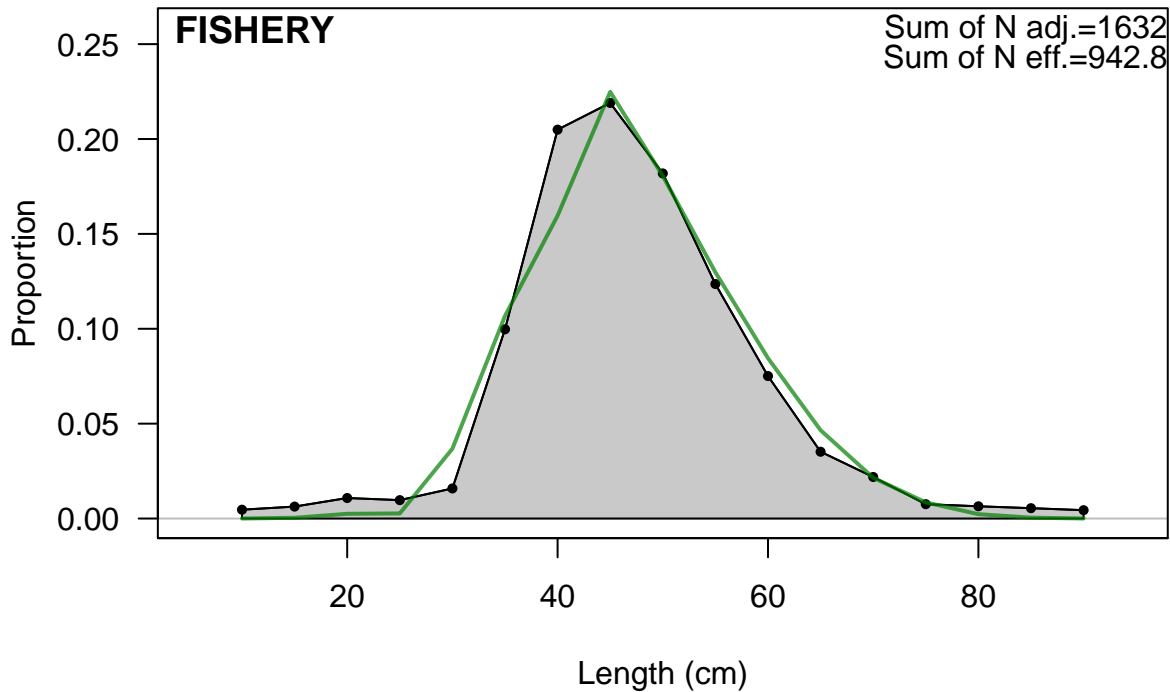


Length (cm)

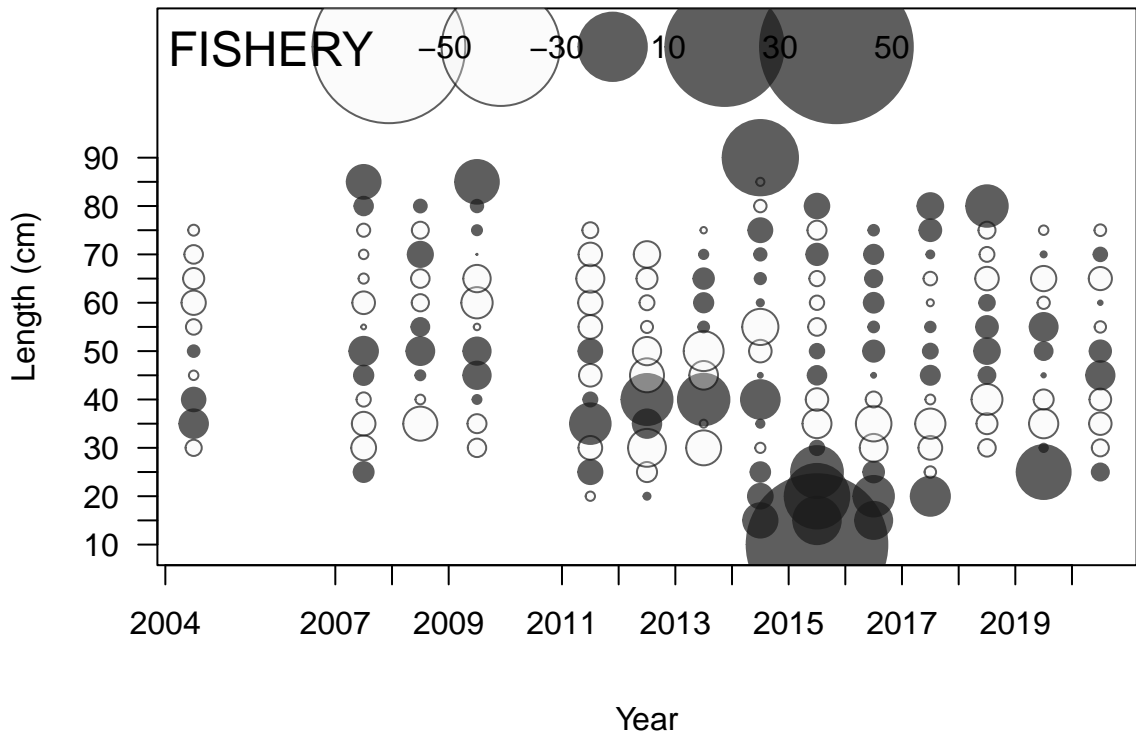


FISHERY (whole catch)

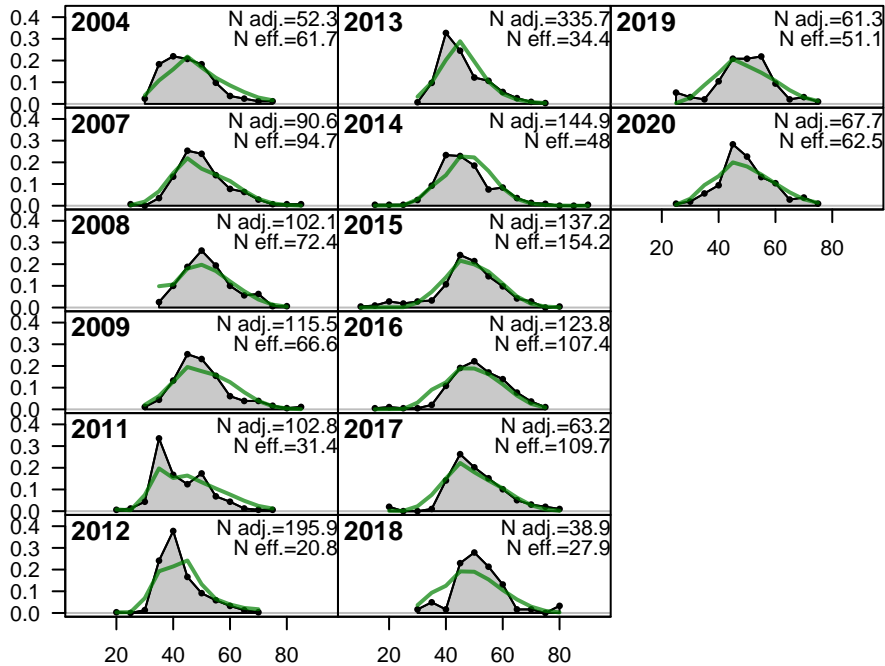






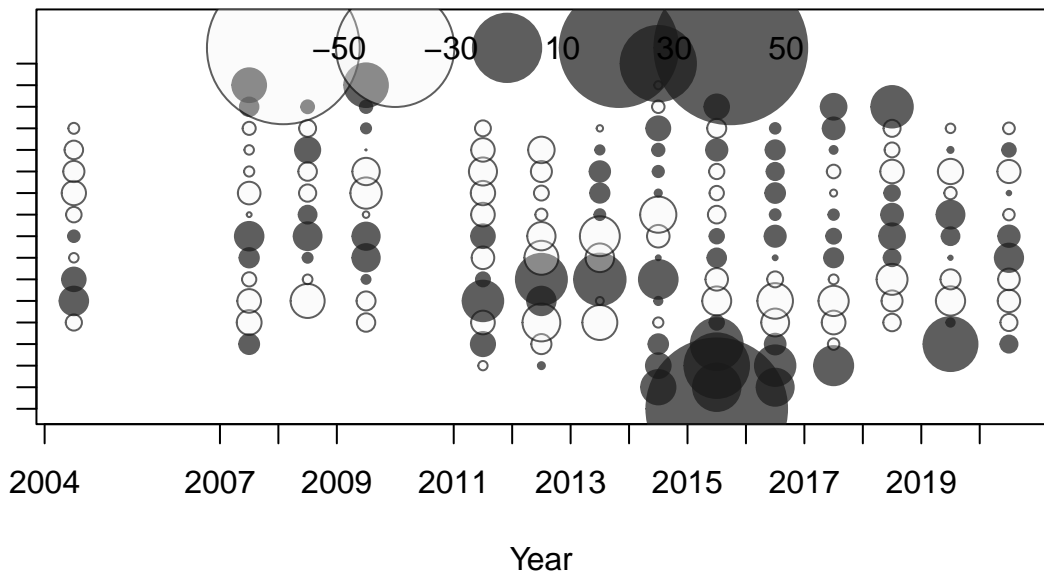


Proportion

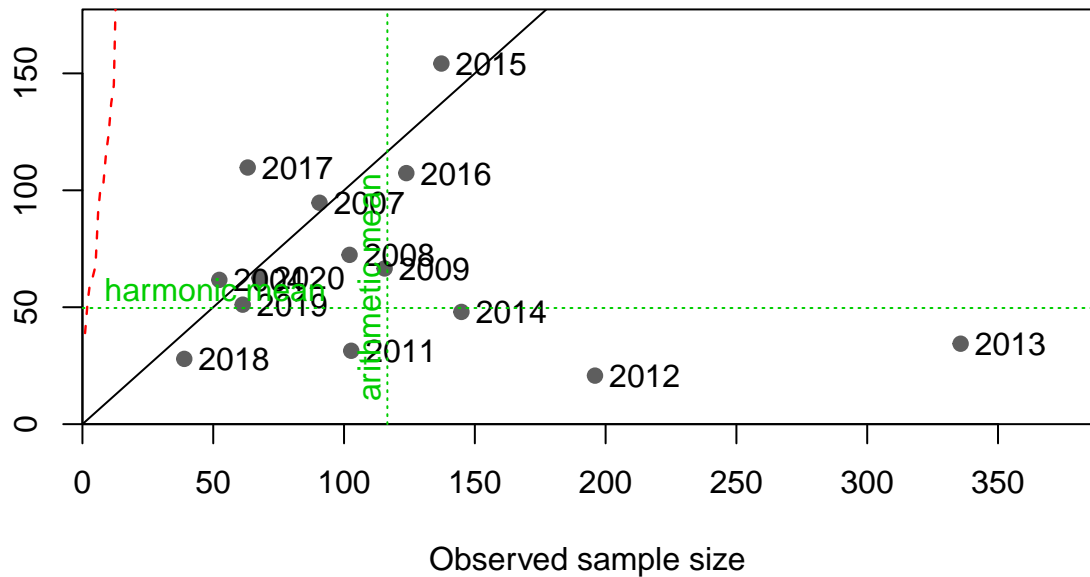


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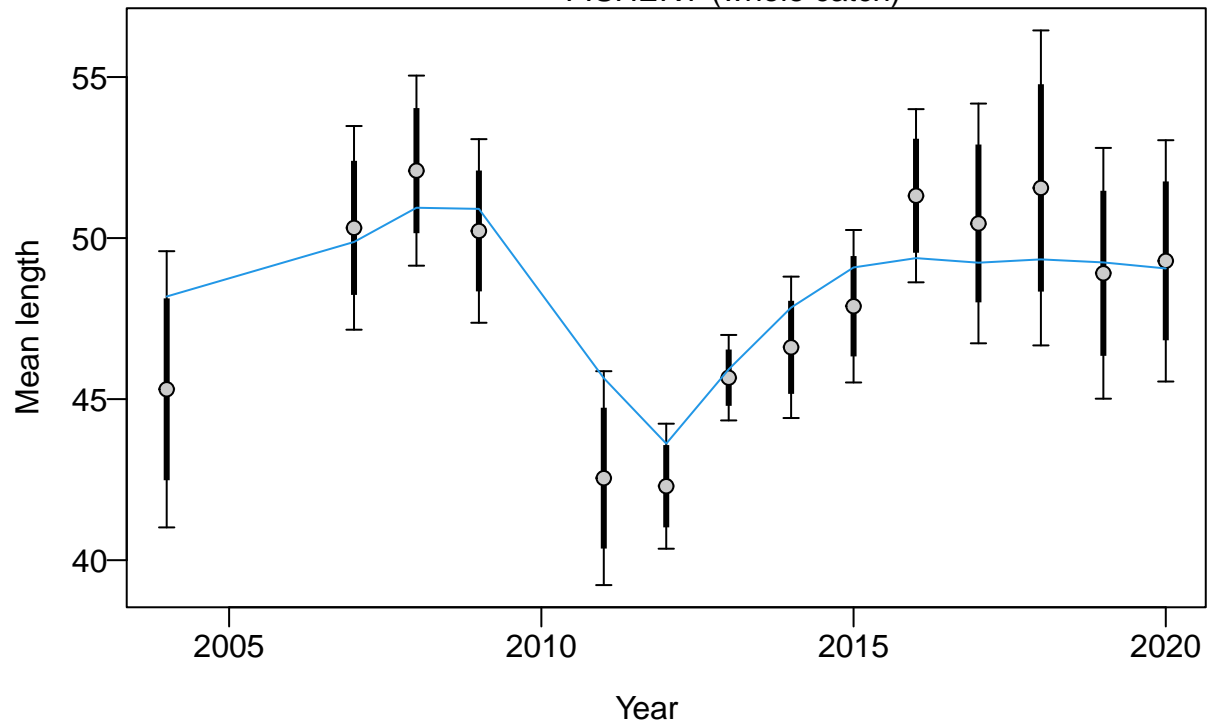
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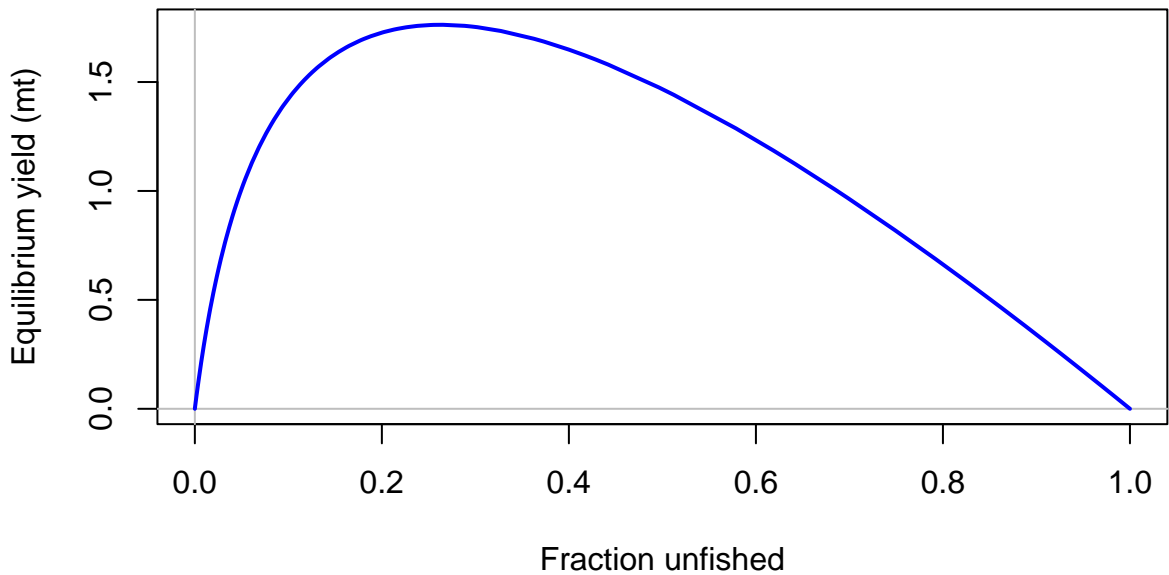


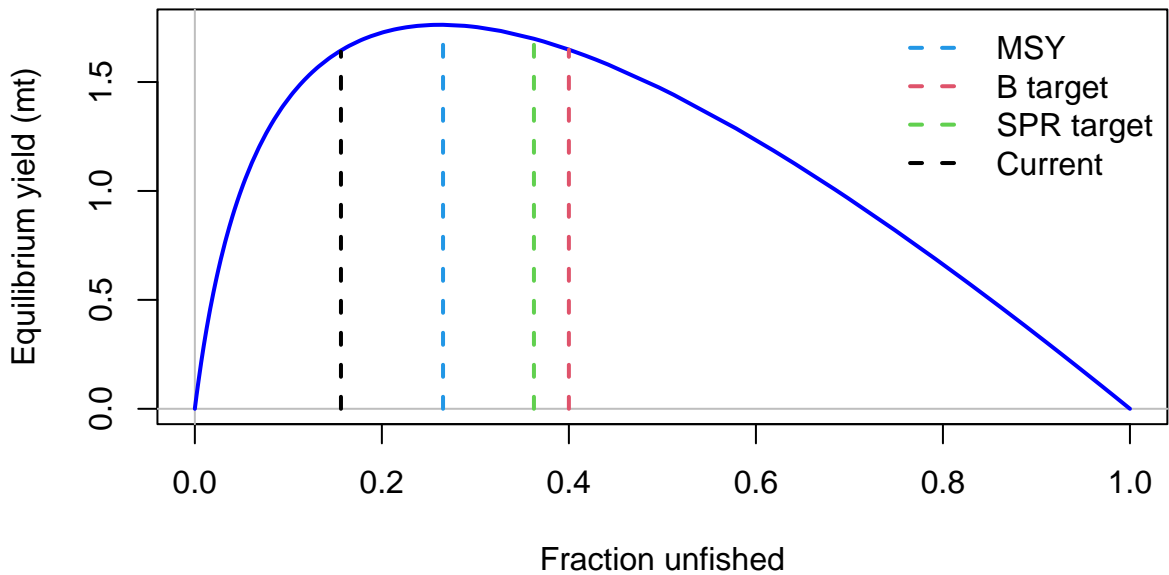
Effective sample size

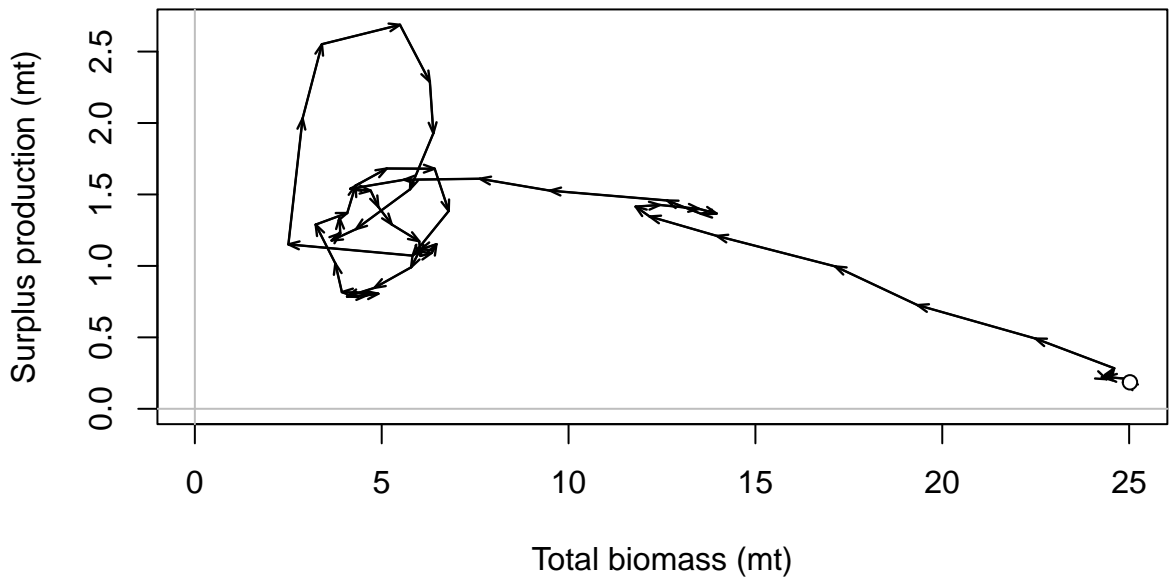


## FISHERY (whole catch)

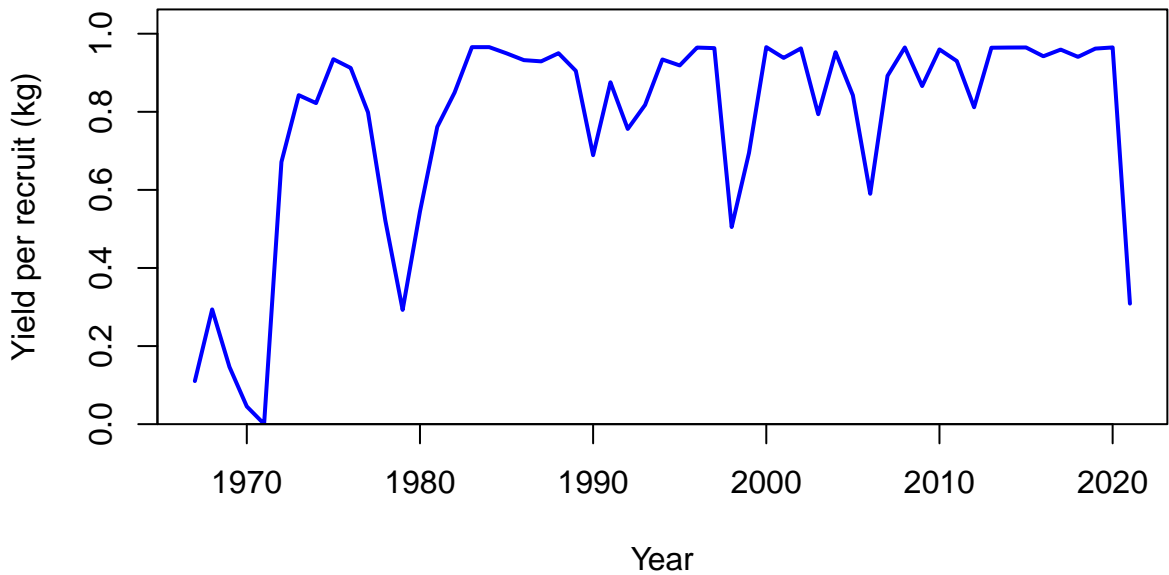


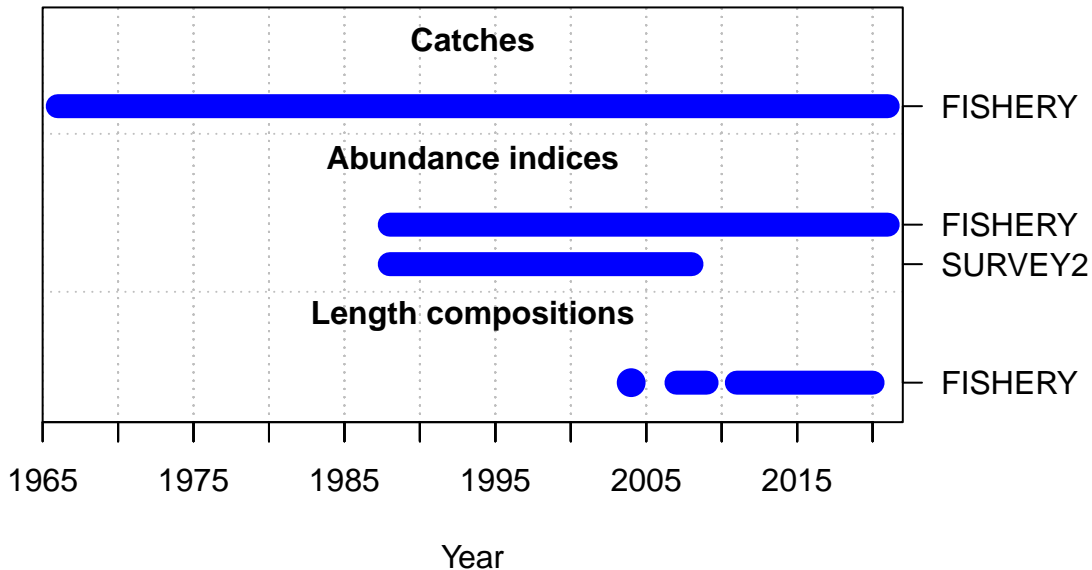


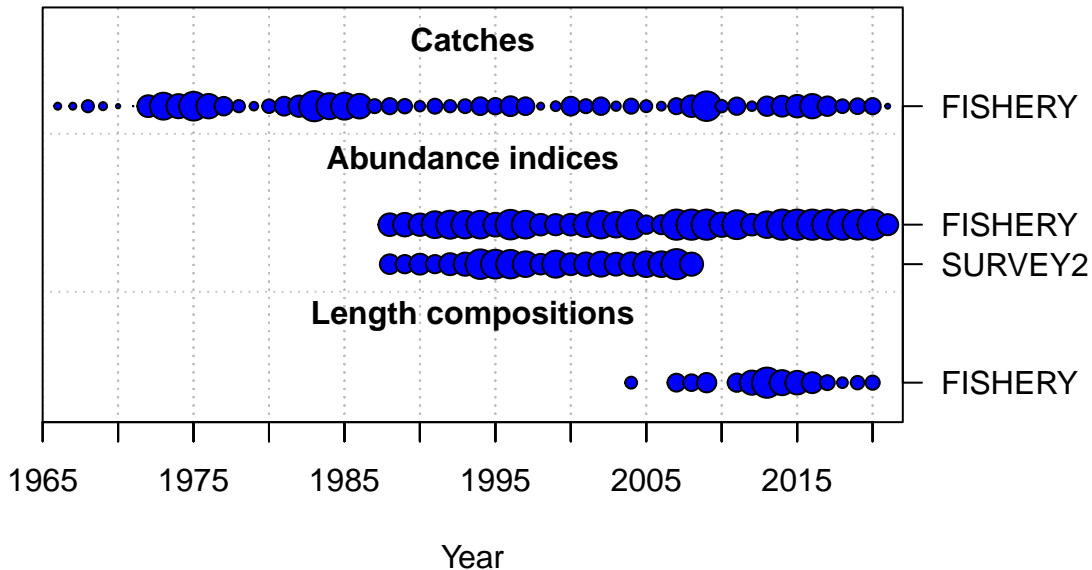




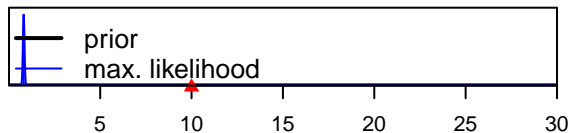




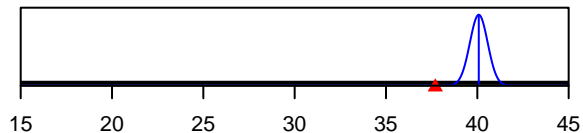




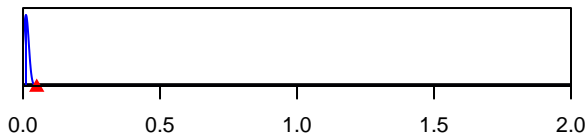
SR\_LN(R0)



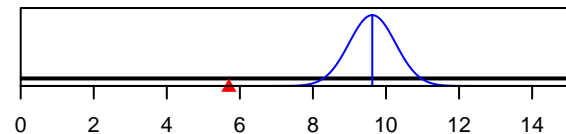
Size\_inflection\_FISHERY(1)



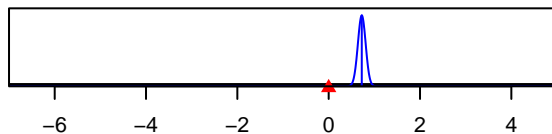
InitF\_seas\_1\_flt\_1FISHERY



Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)

