

Plots created using the 'r4ss' package in R

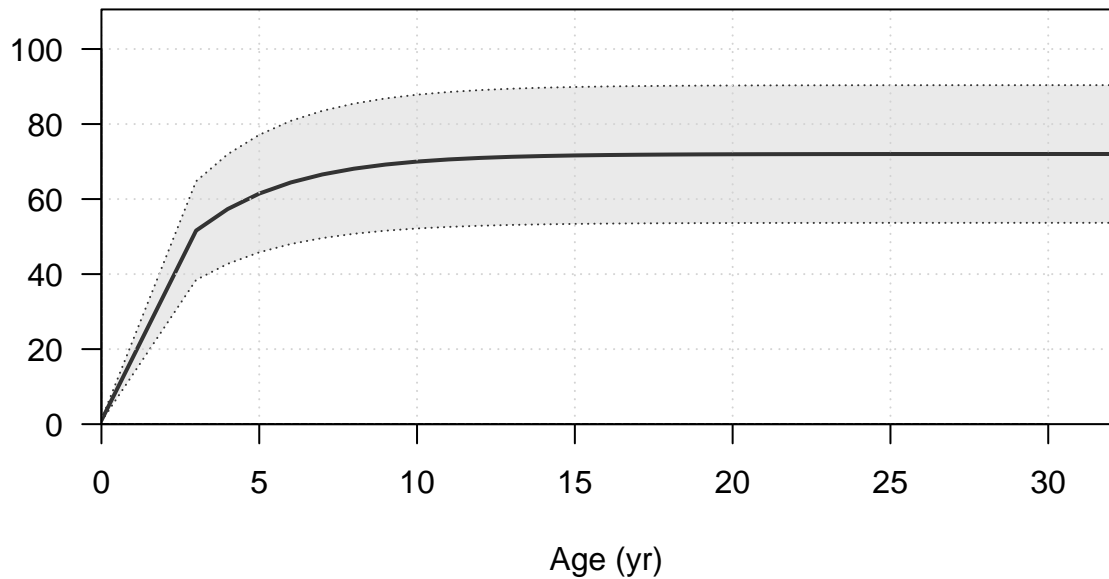
Stock Synthesis version: 3.30.19.0

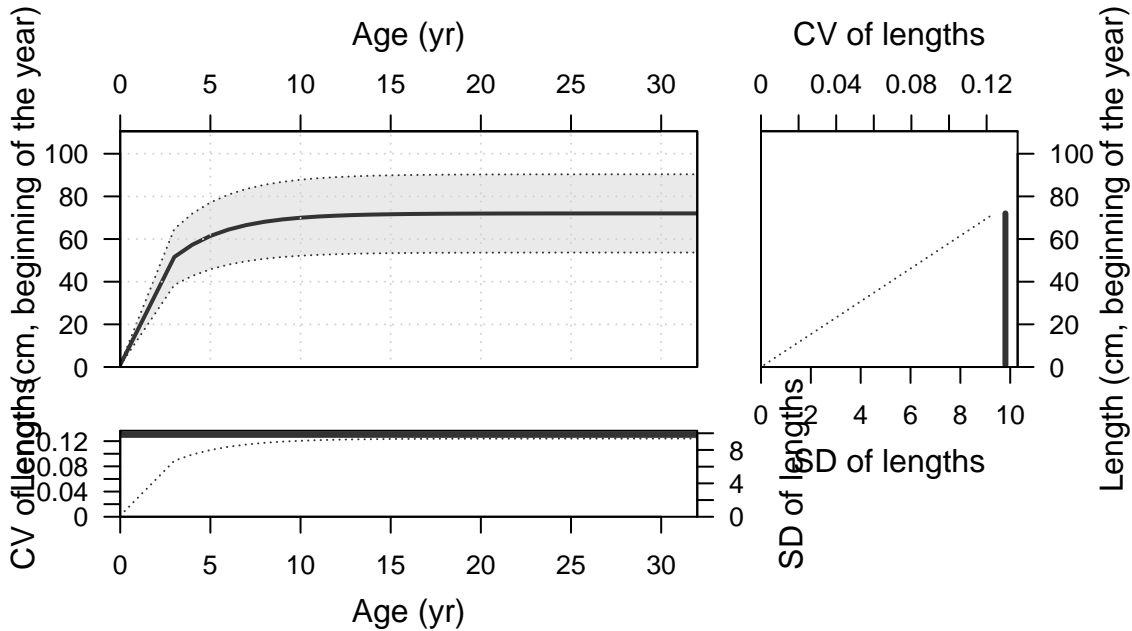
StartTime: Fri Jul 08 10:07:55 2022

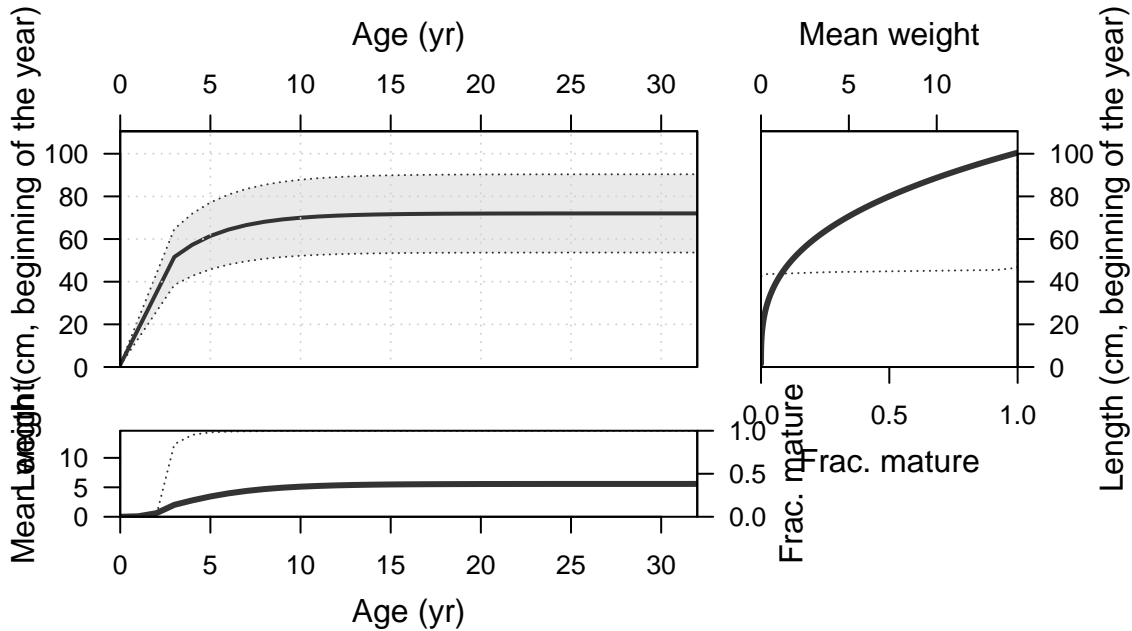
Data\_File: data.ss

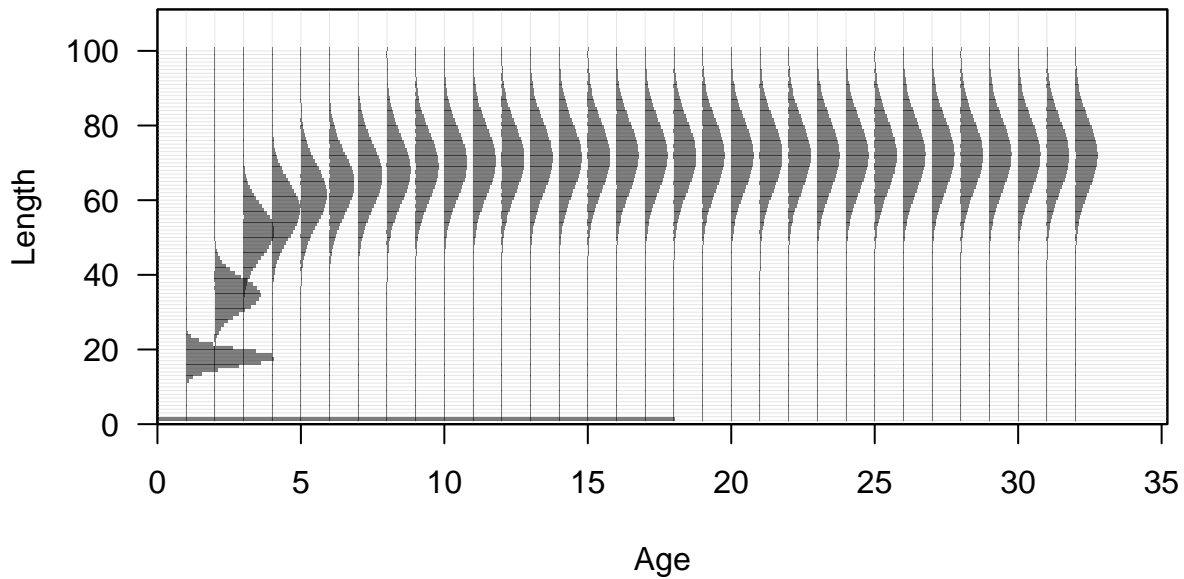
Control\_File: control.ss

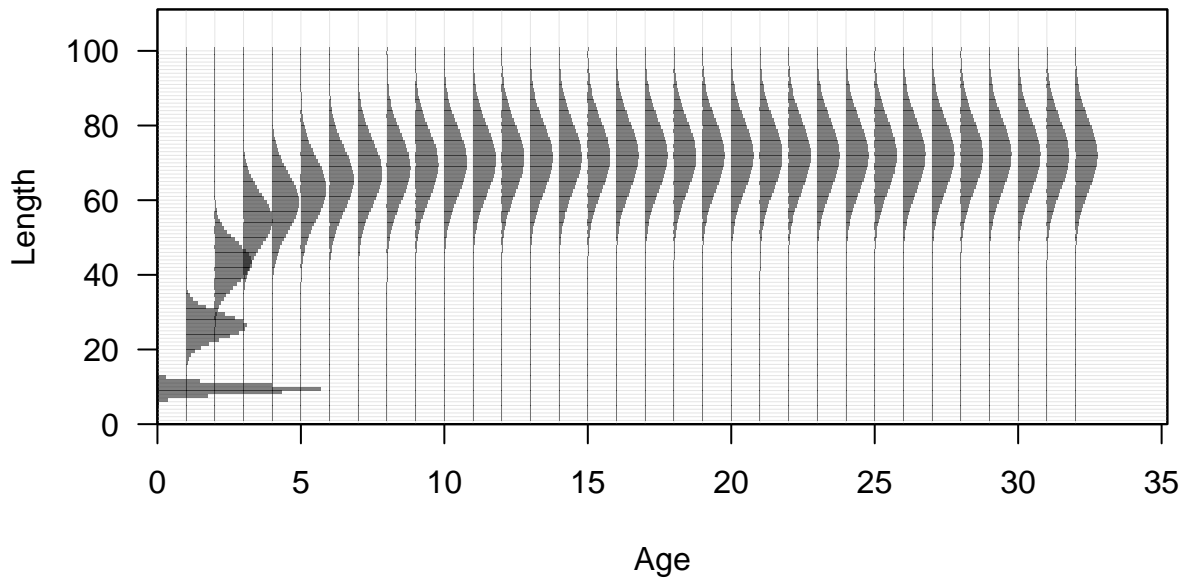
Length (cm, beginning of the year)



















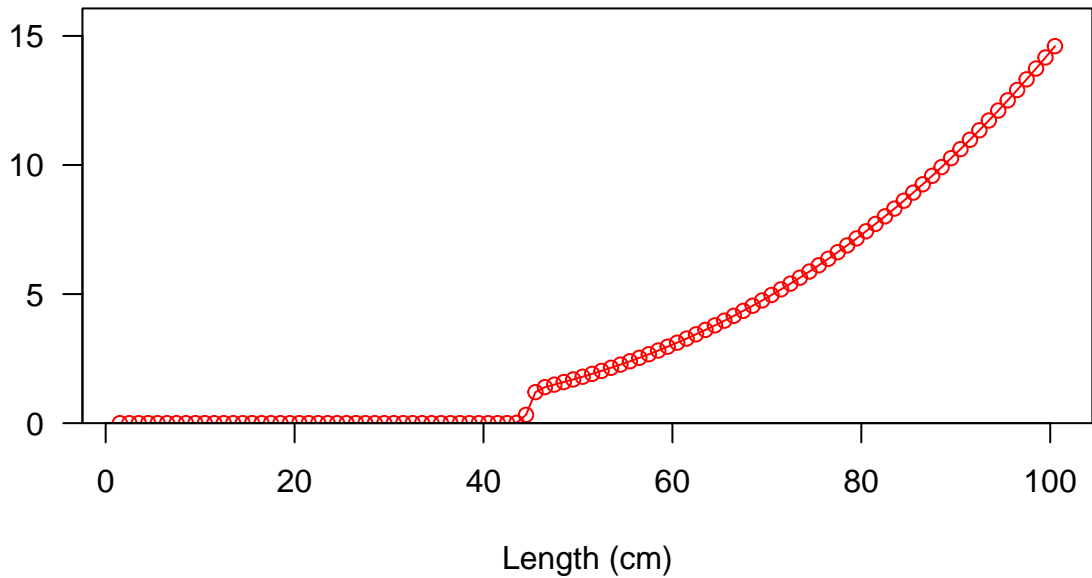
Fecundity



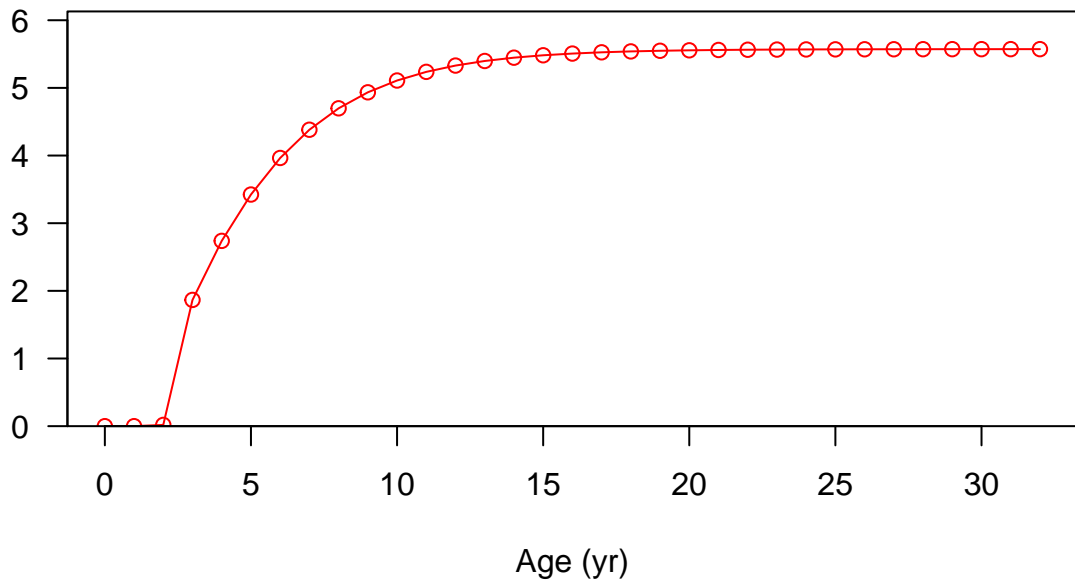
Fecundity



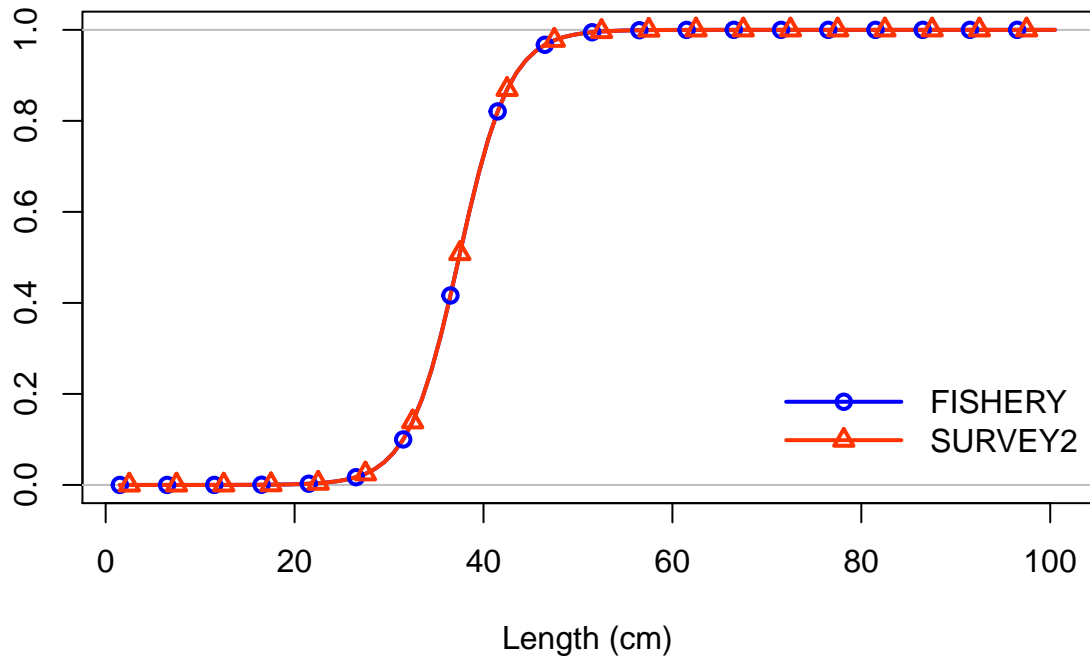
Spawning output



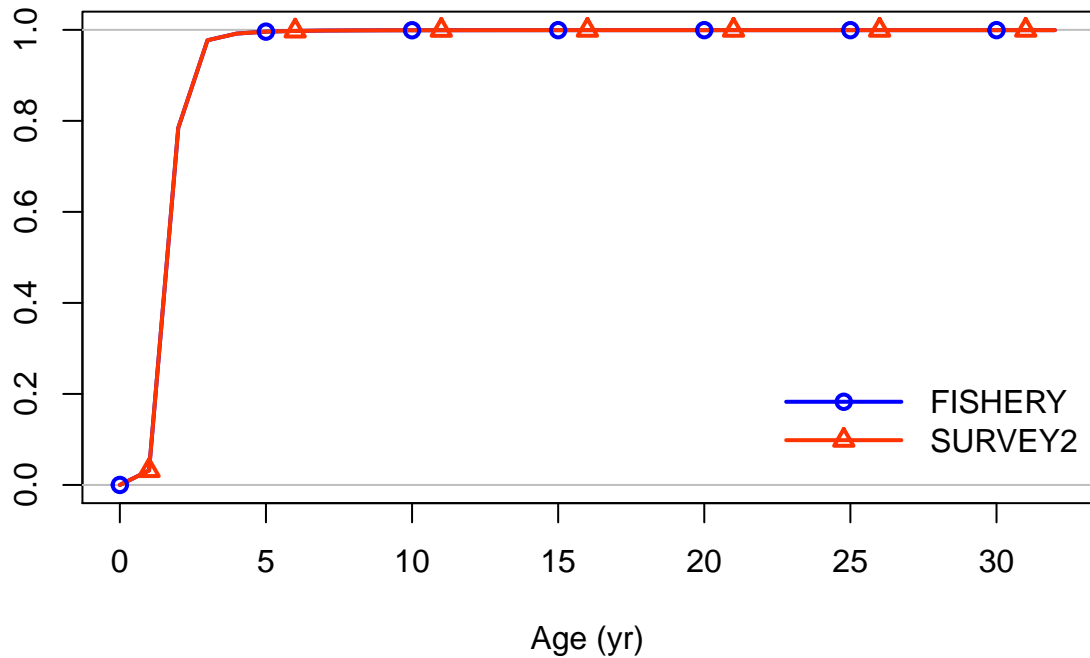
Spawning output



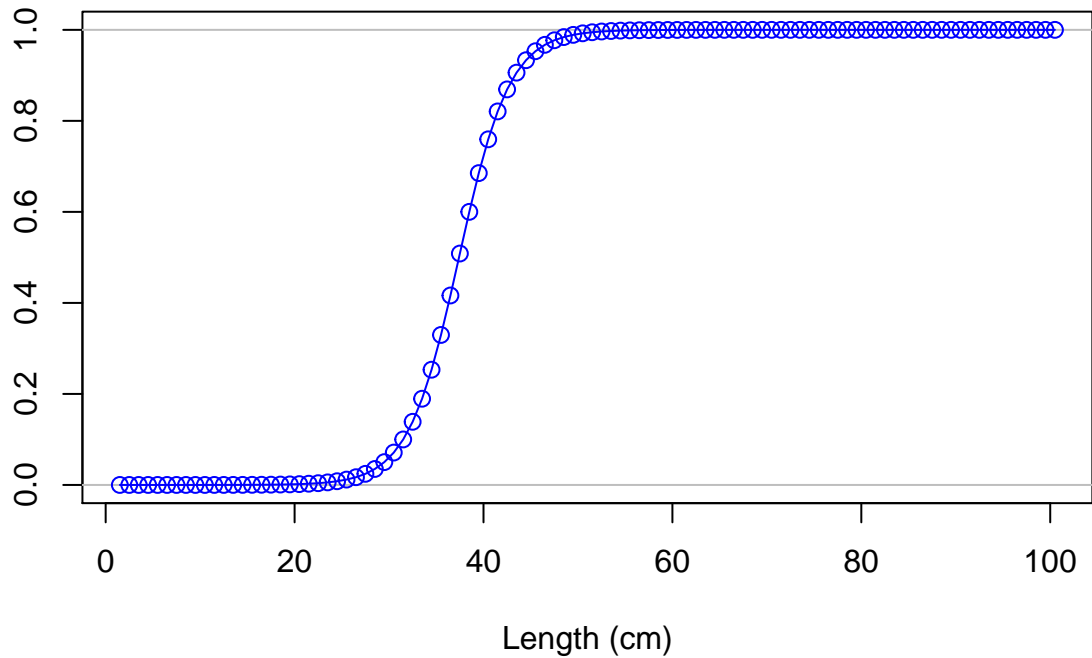
Selectivity



Selectivity

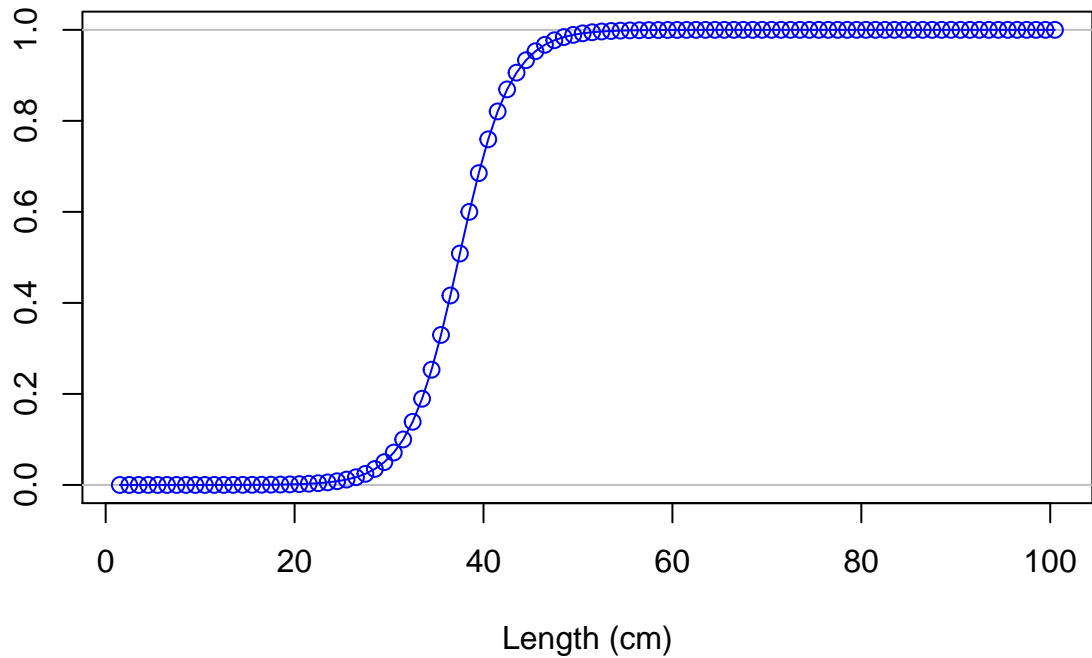


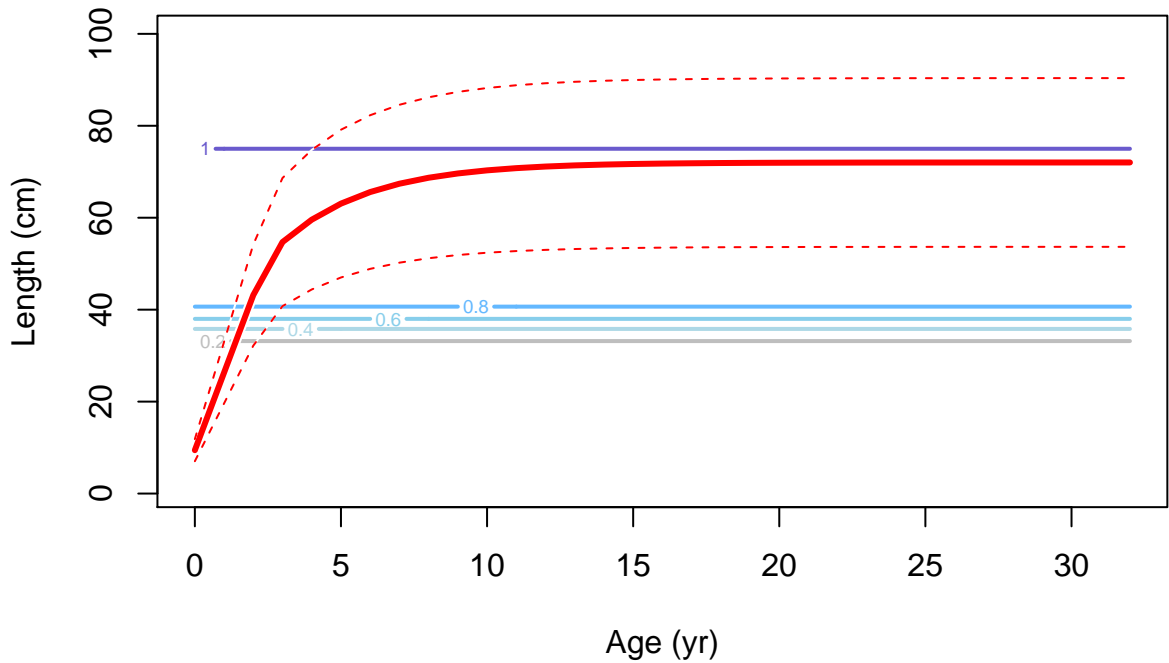
Selectivity

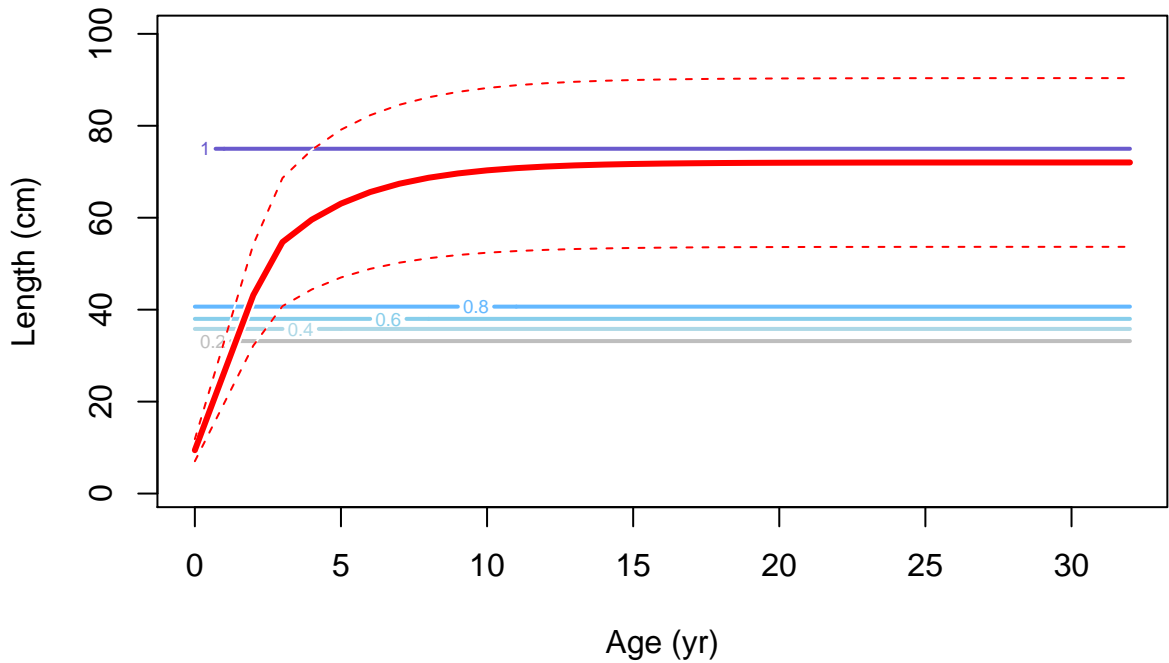


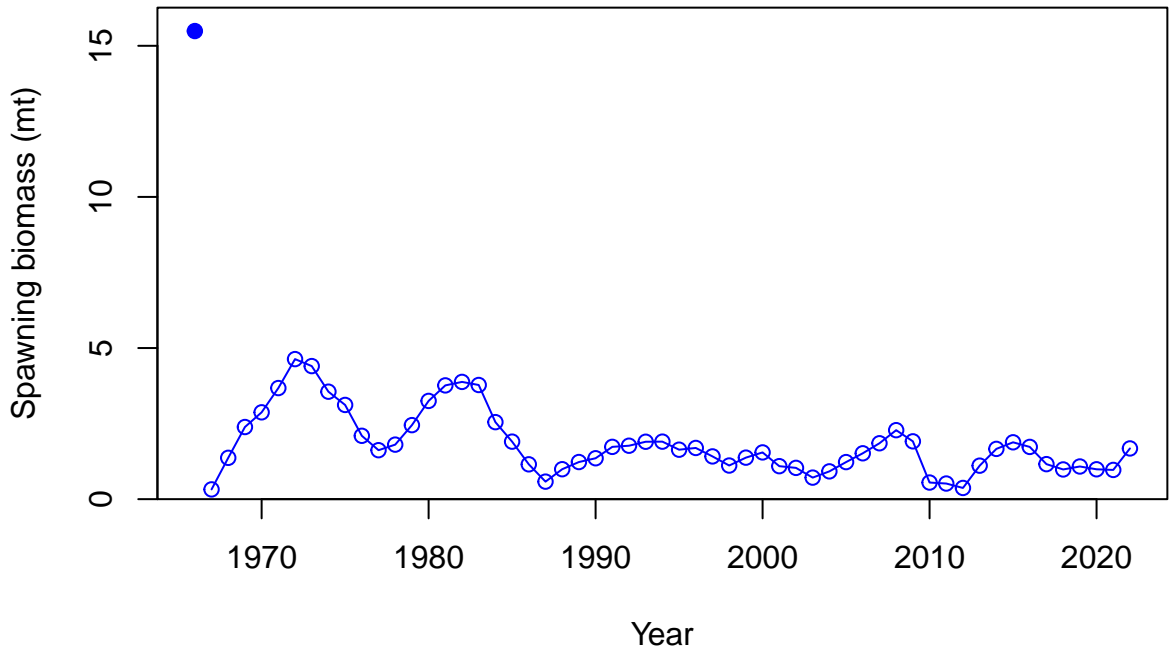


Selectivity

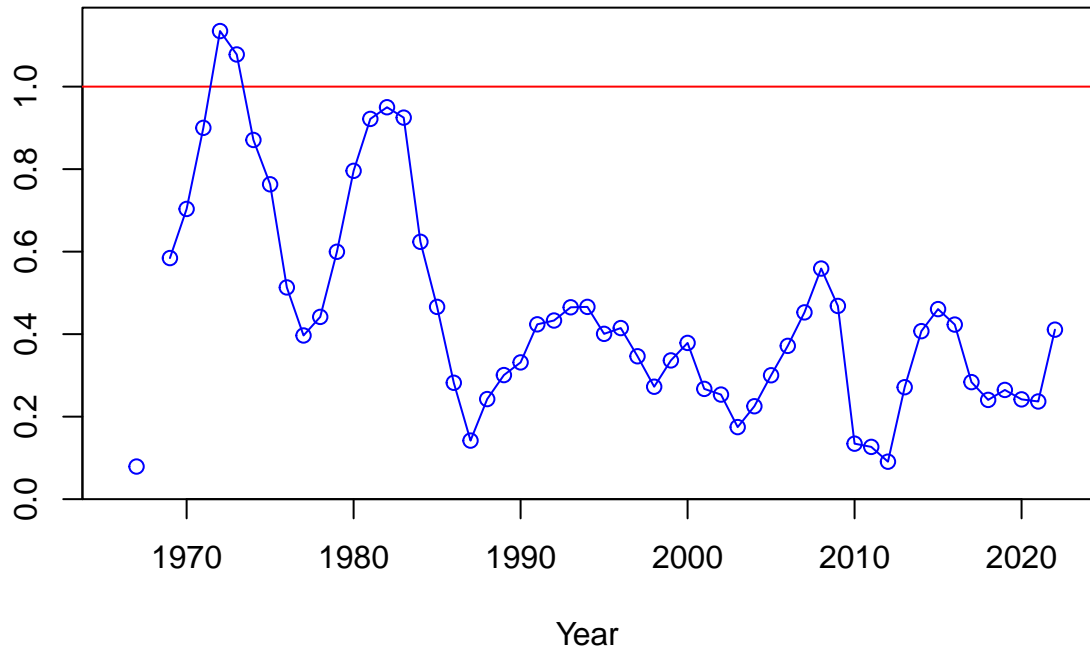


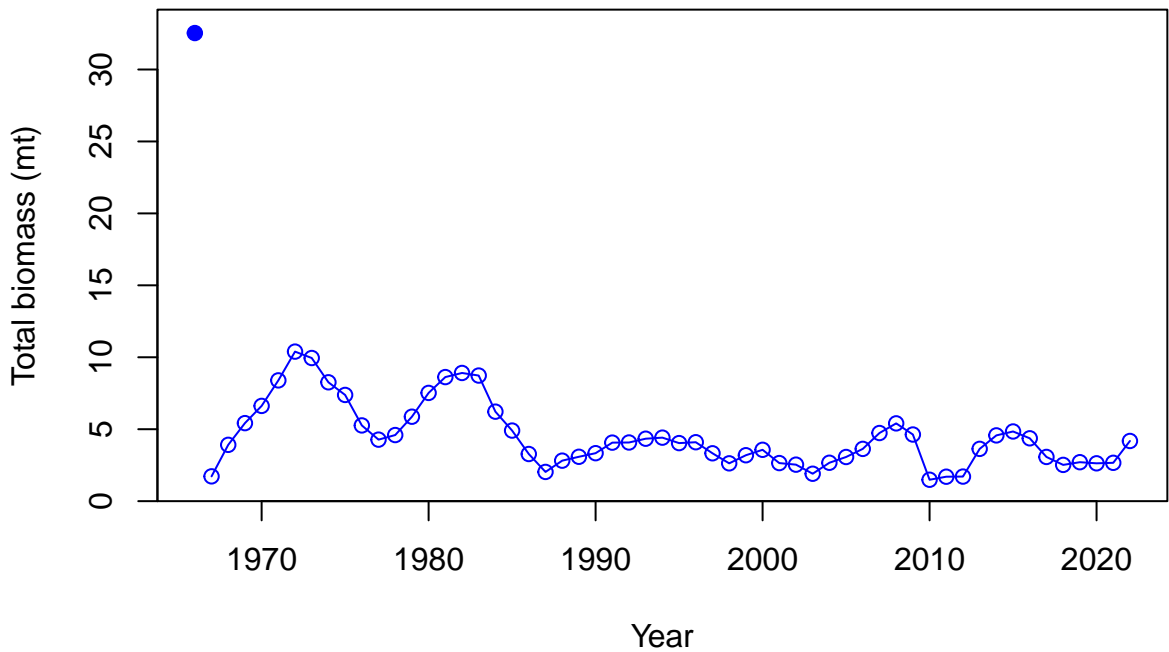


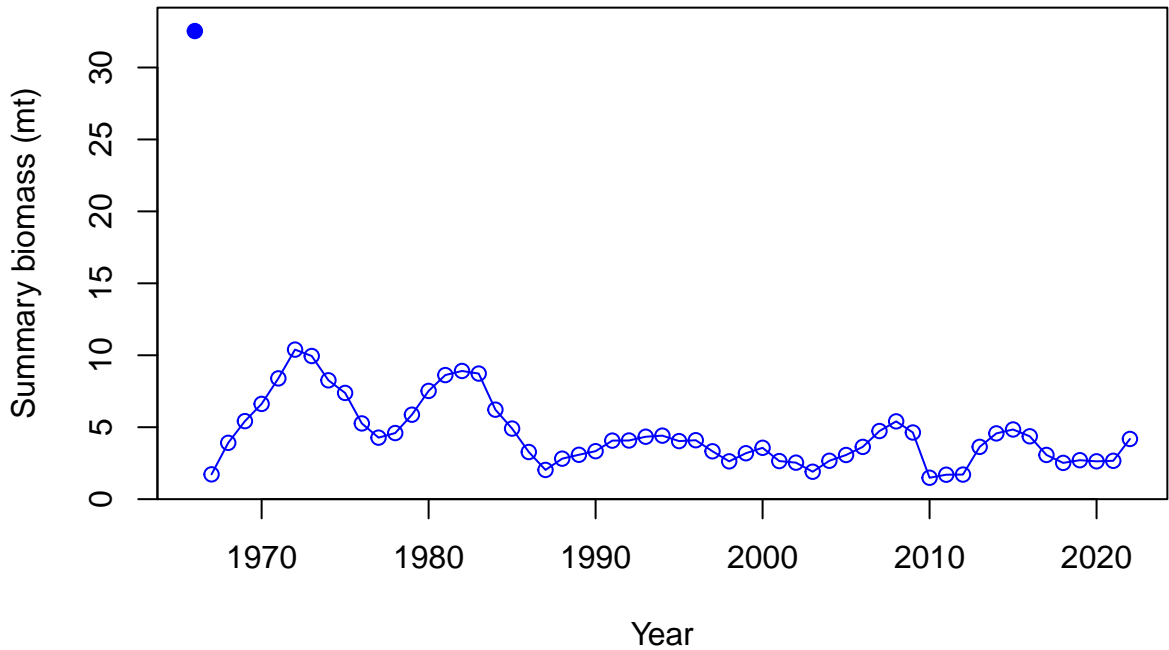


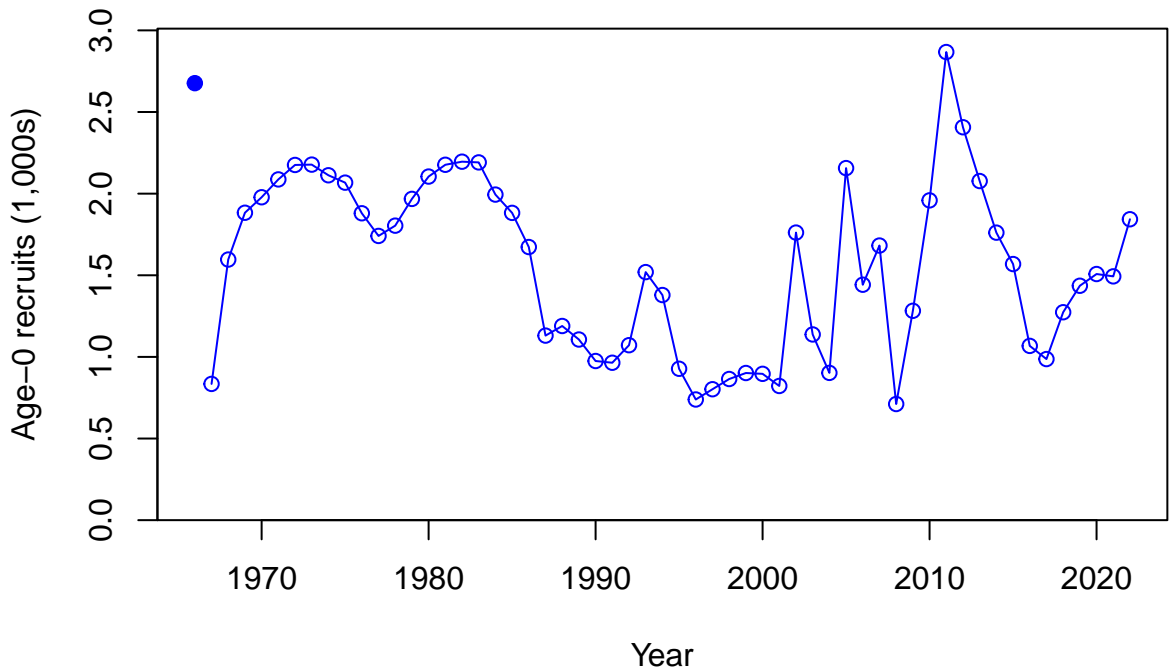


Relative spawning biomass:  $B/B_{MSY}$



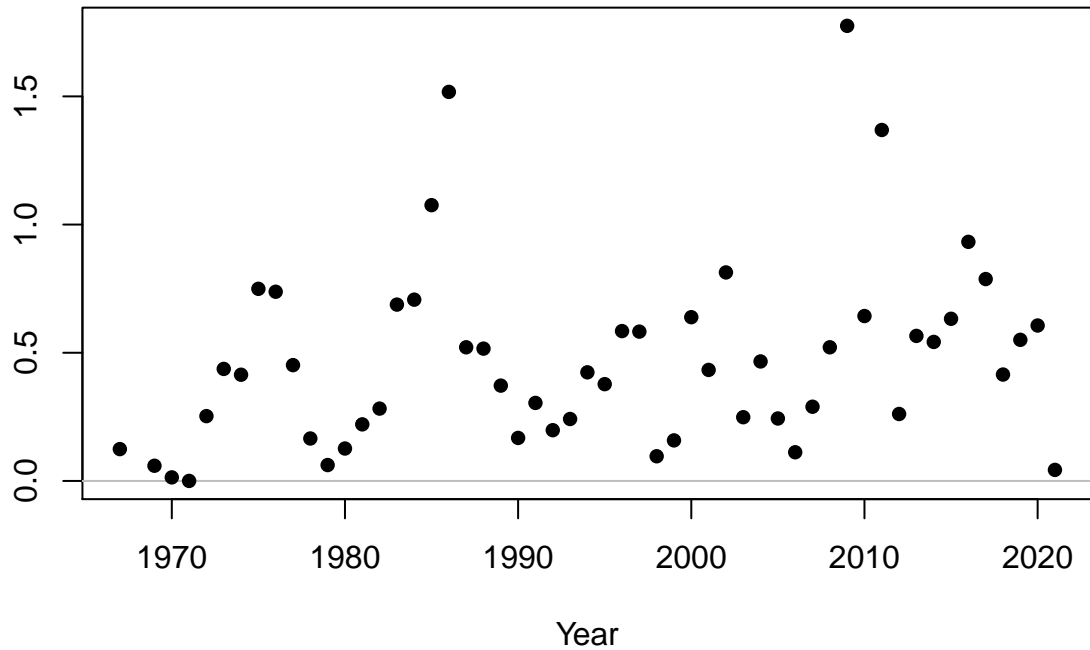


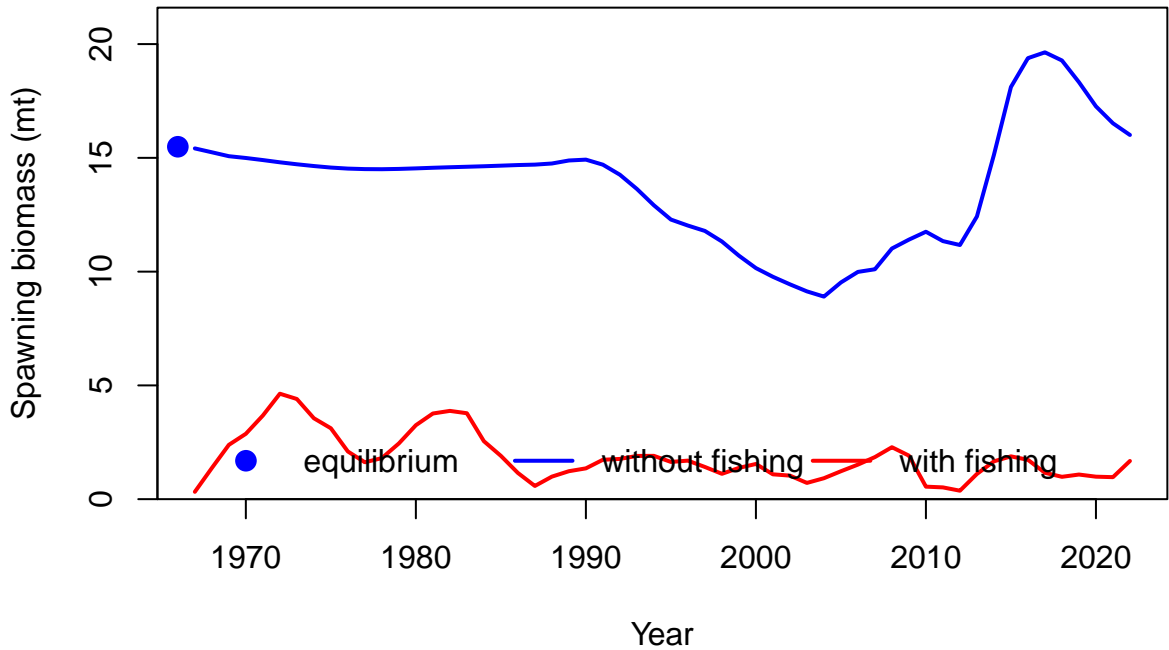




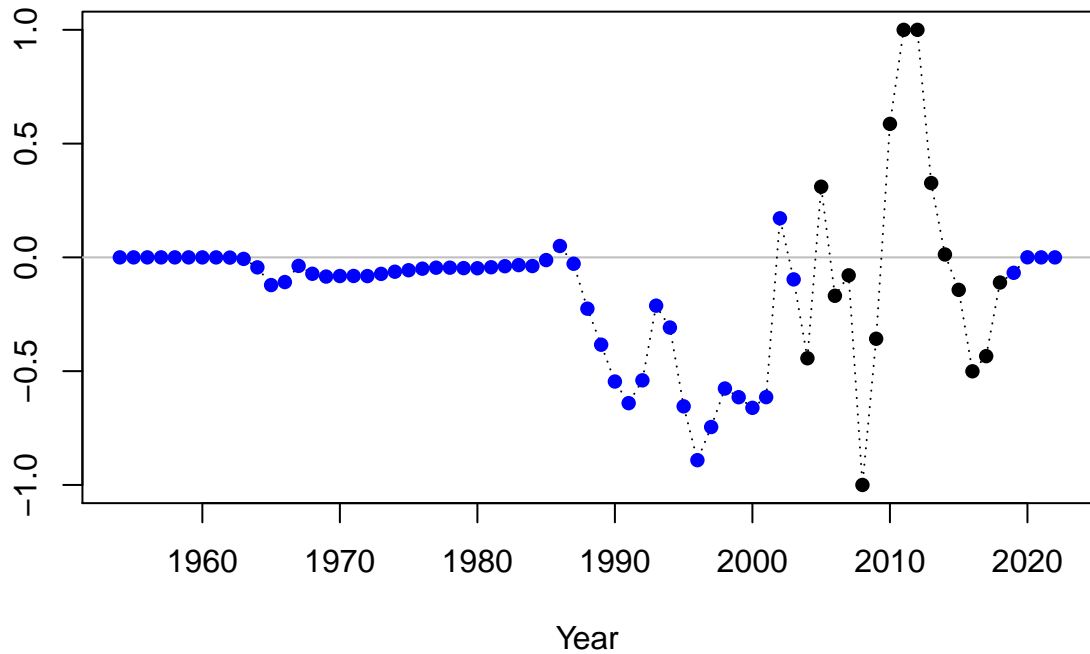


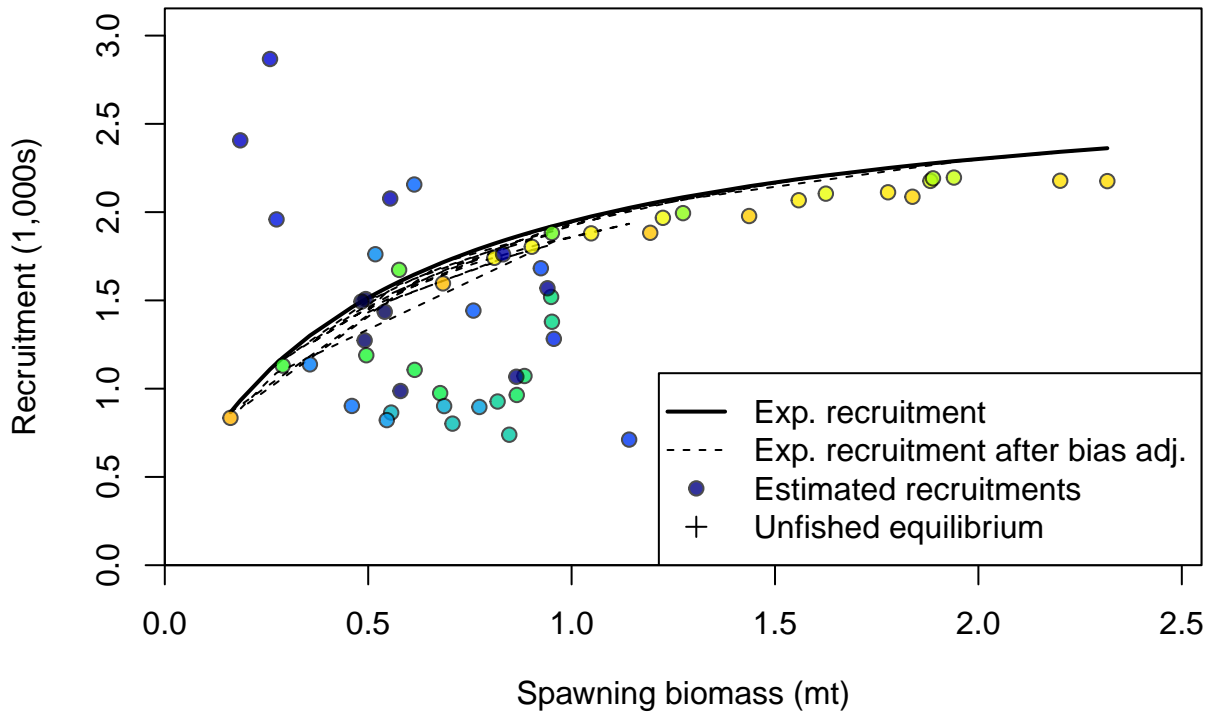
Summary Fishing Mortality

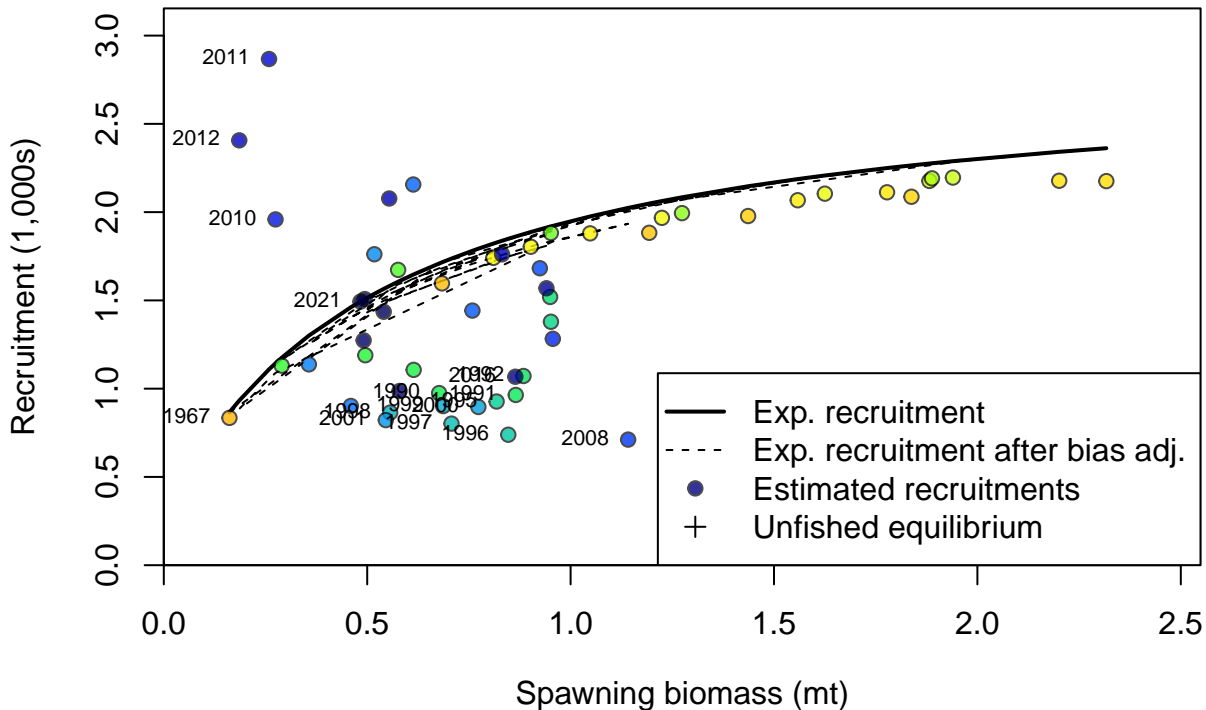




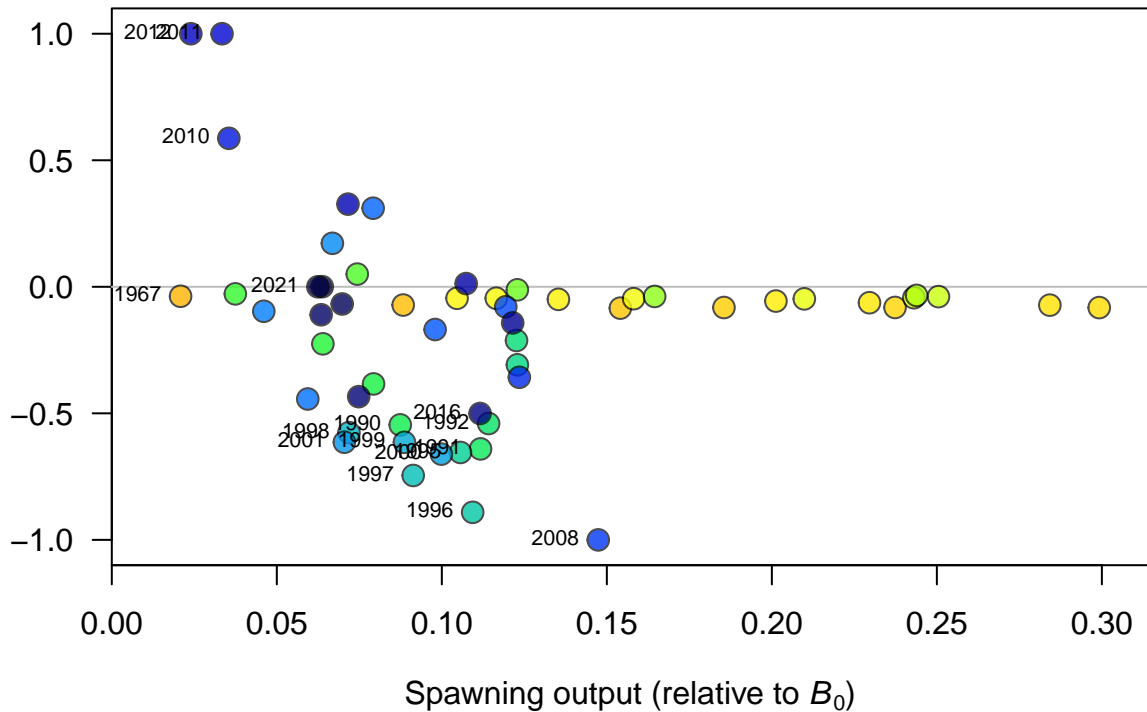
Log recruitment deviation

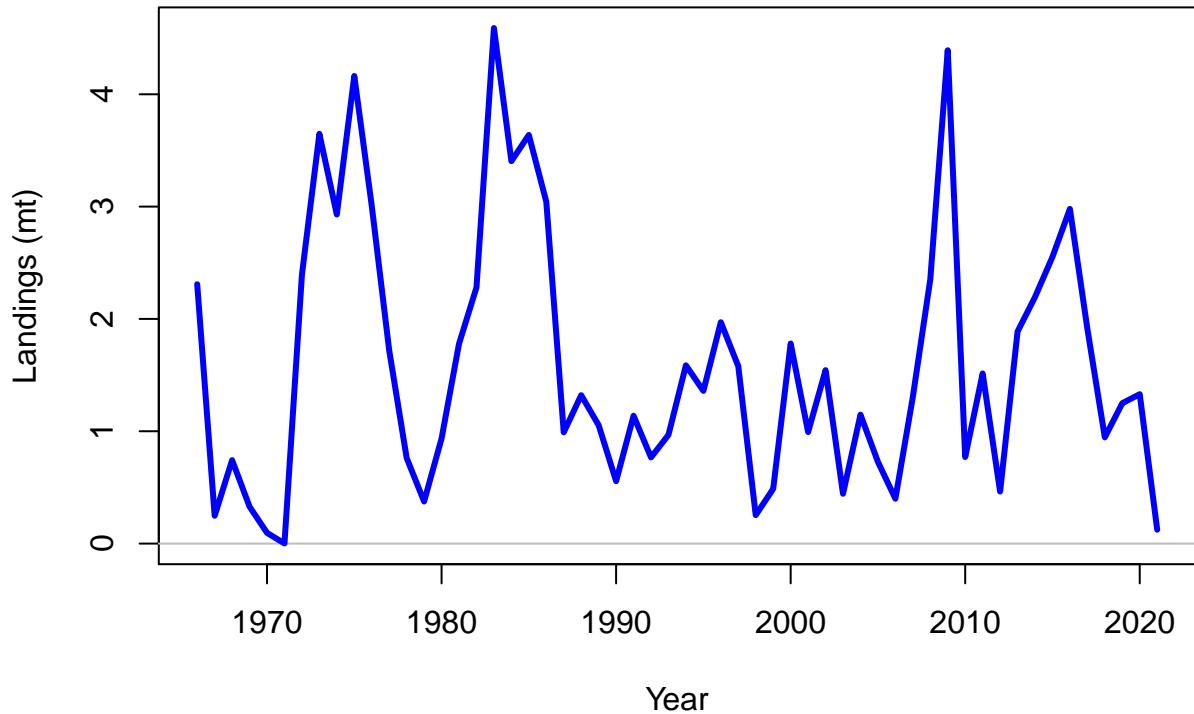


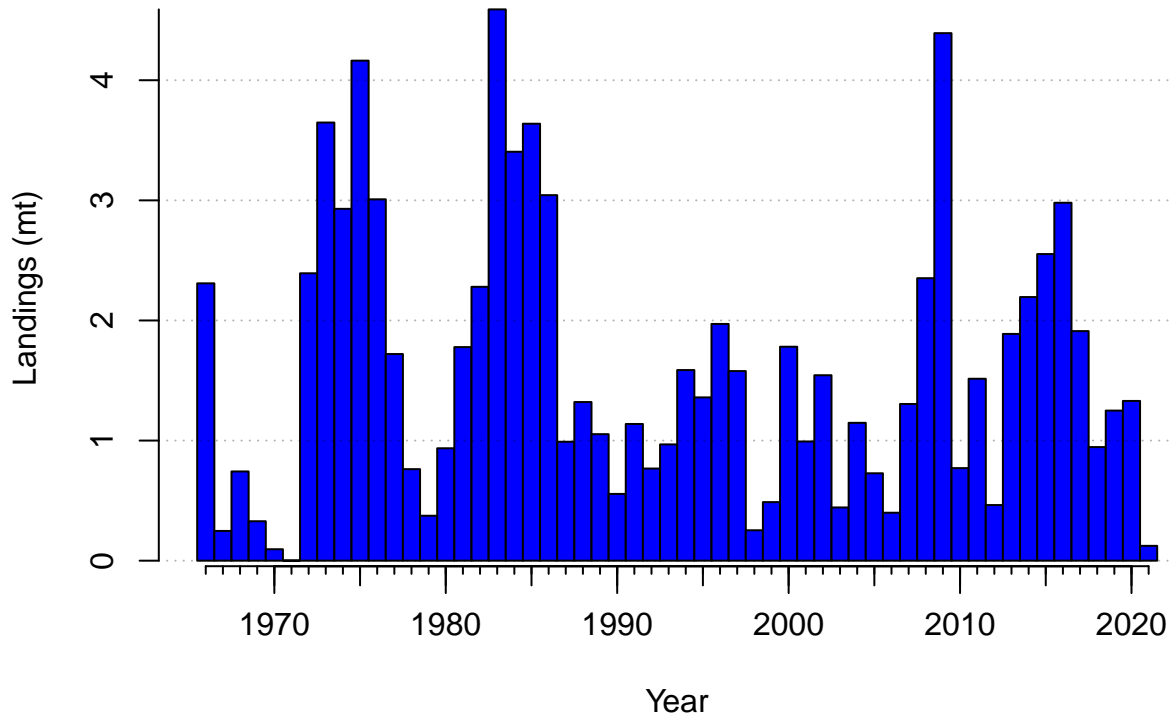




Log recruitment deviation

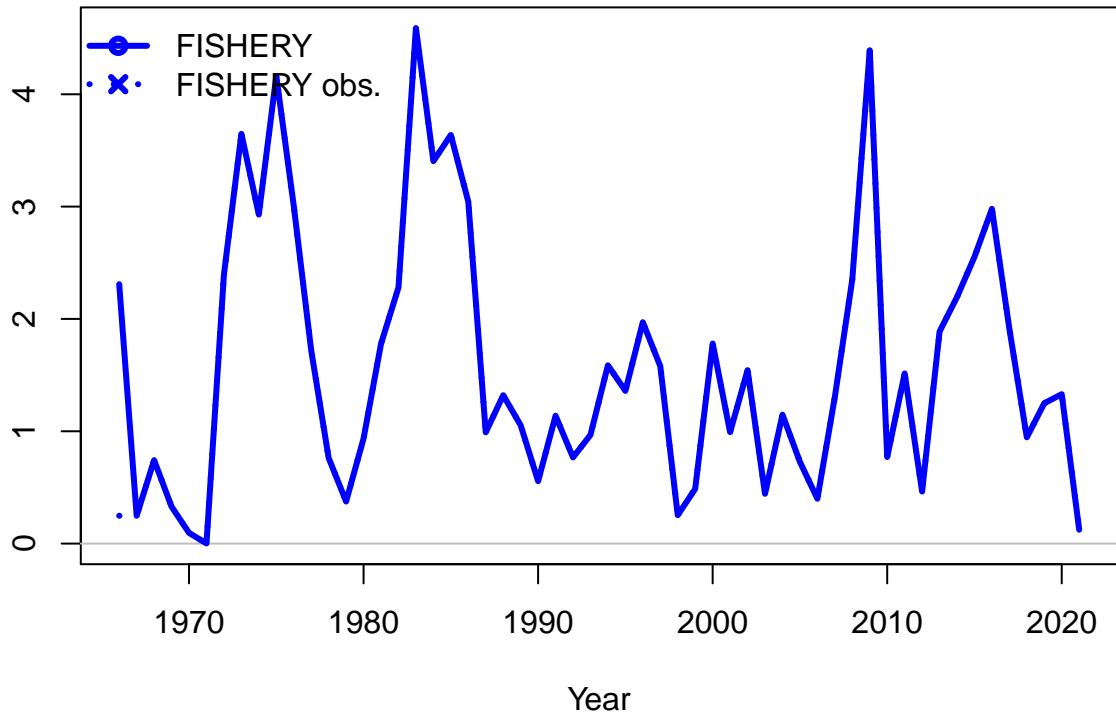


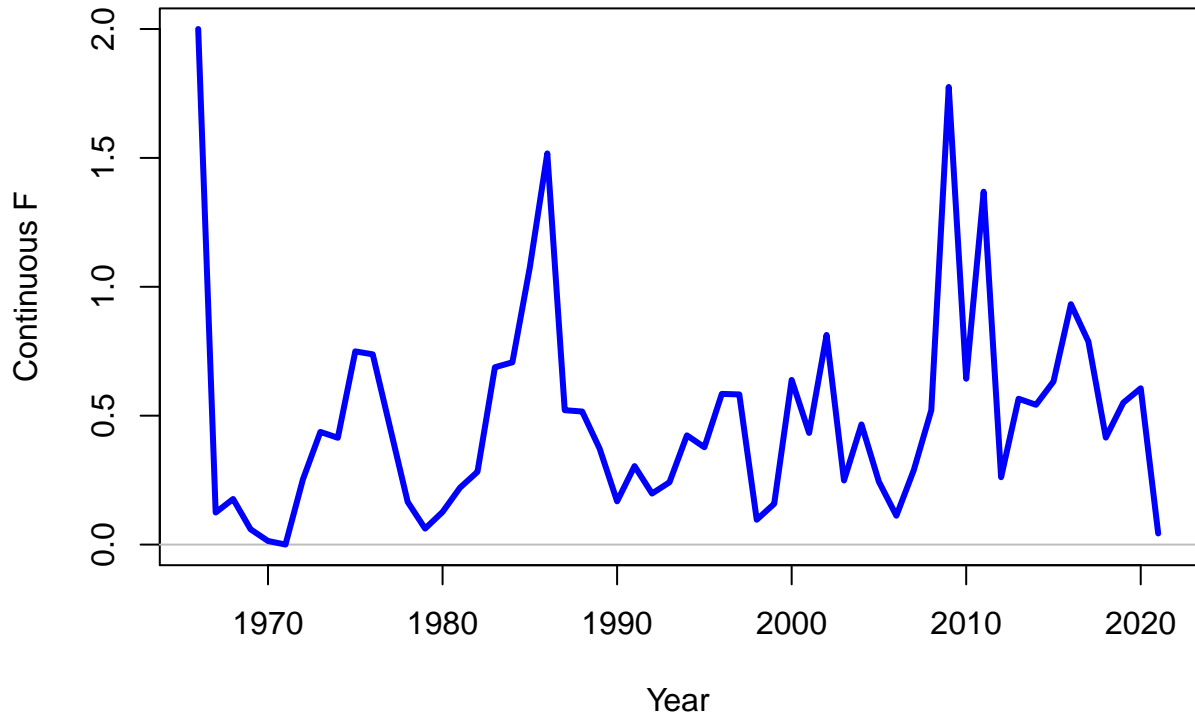




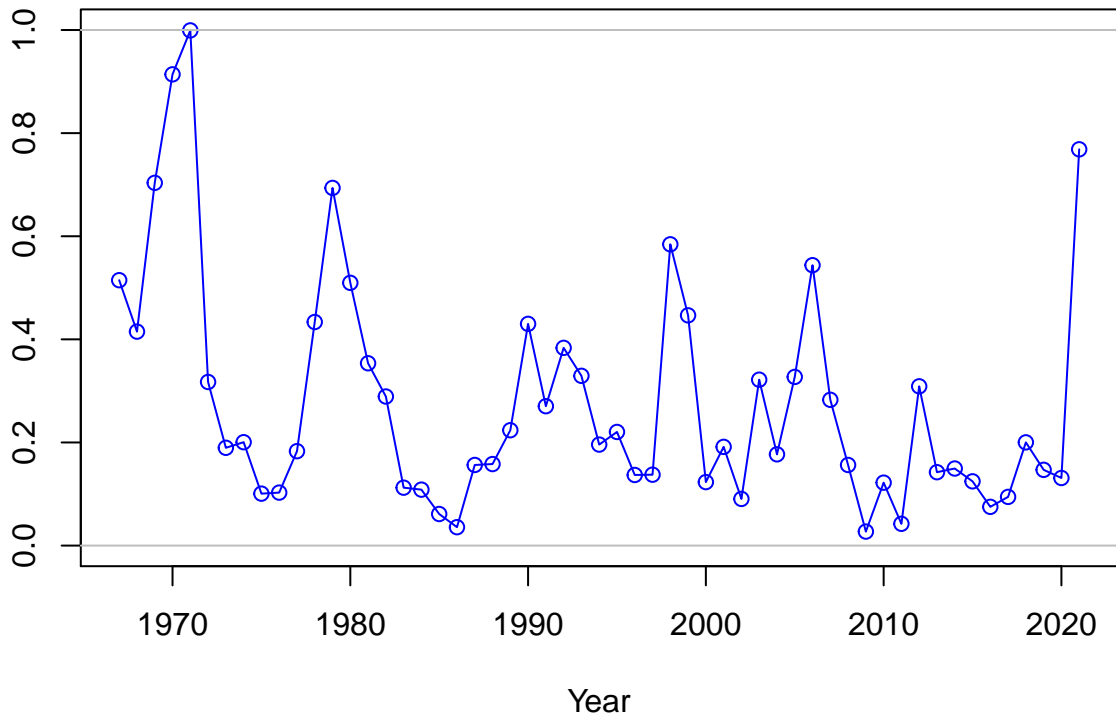


Observed and expected Landings (mt)

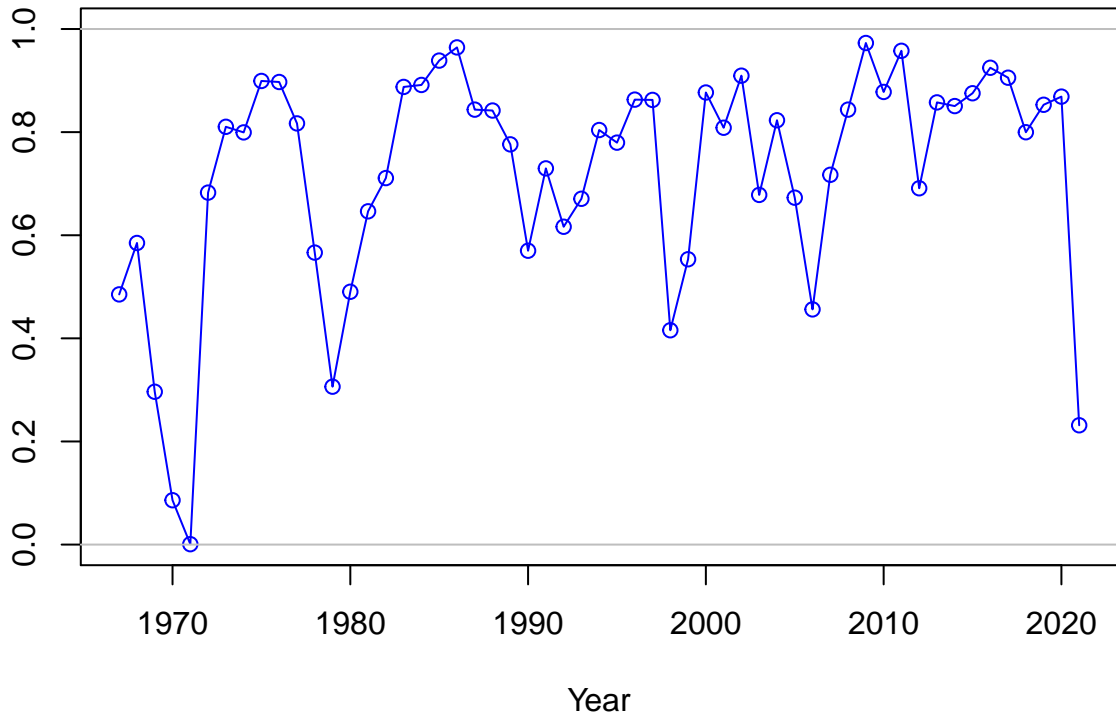




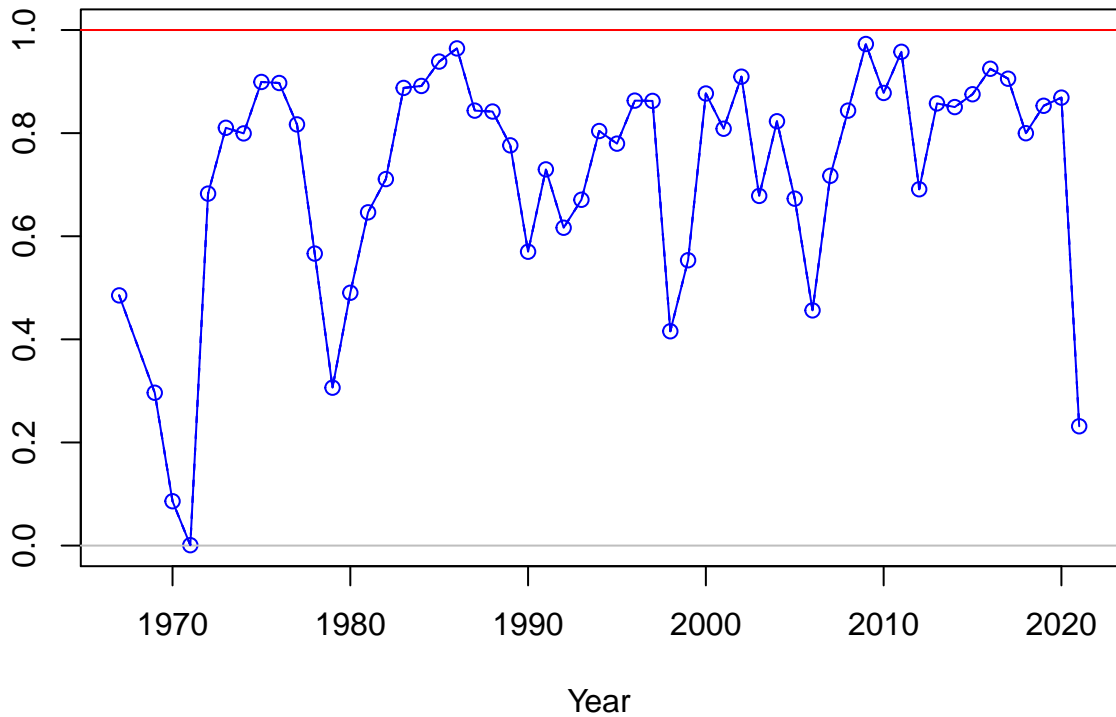
SPR



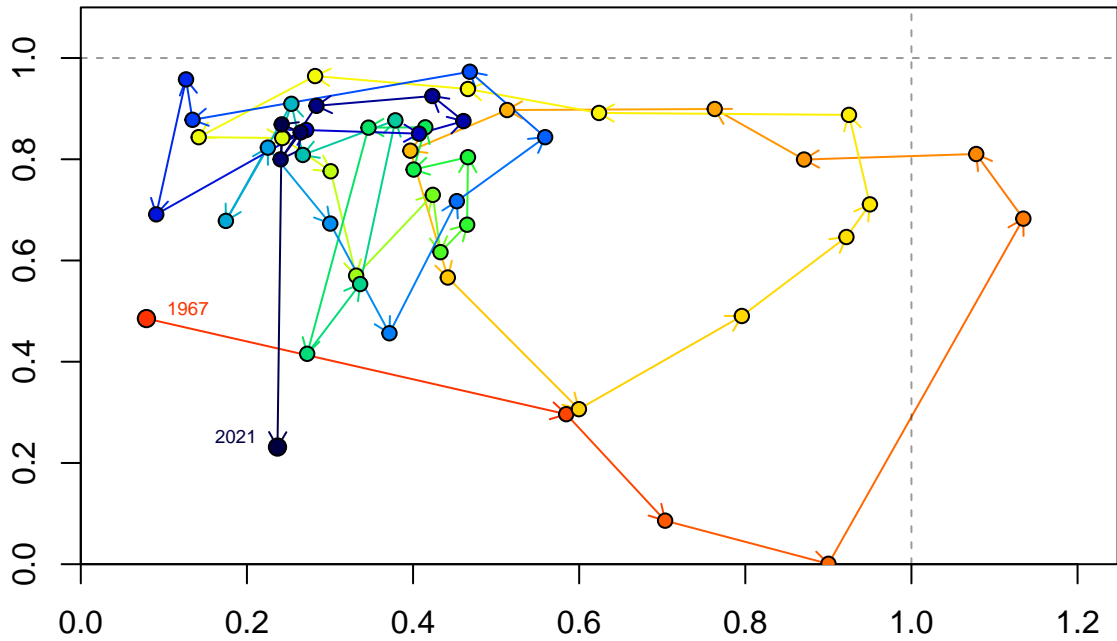
1-SPR



Fishing intensity: 1-SPR

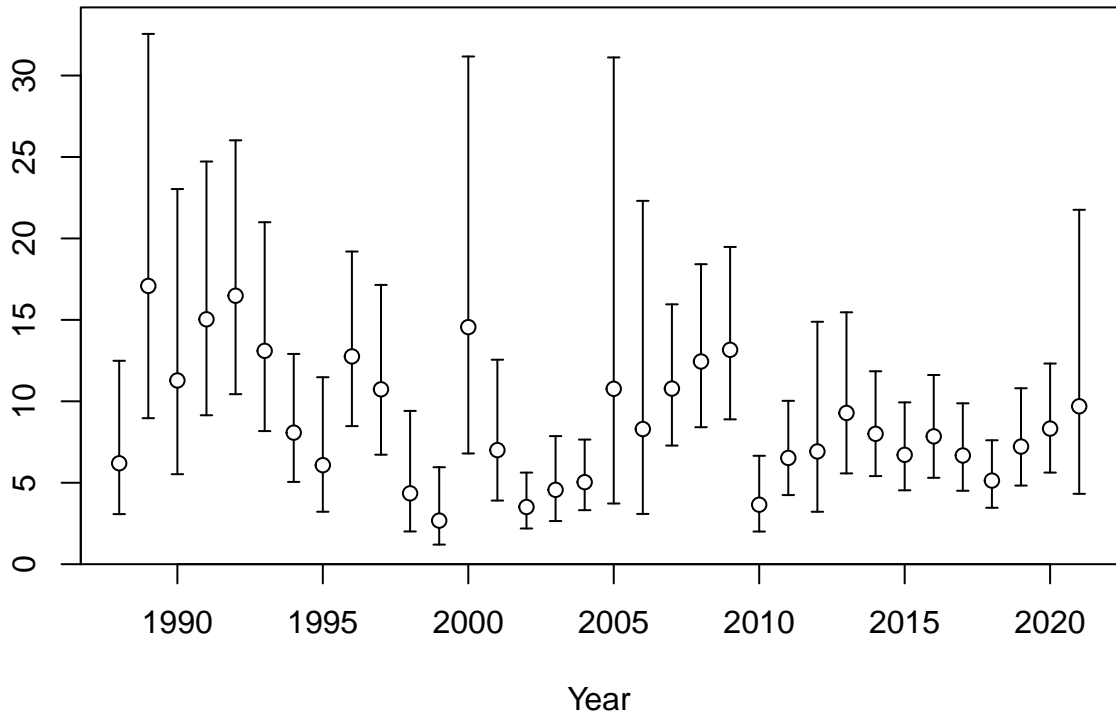


Fishing intensity: 1-SPR

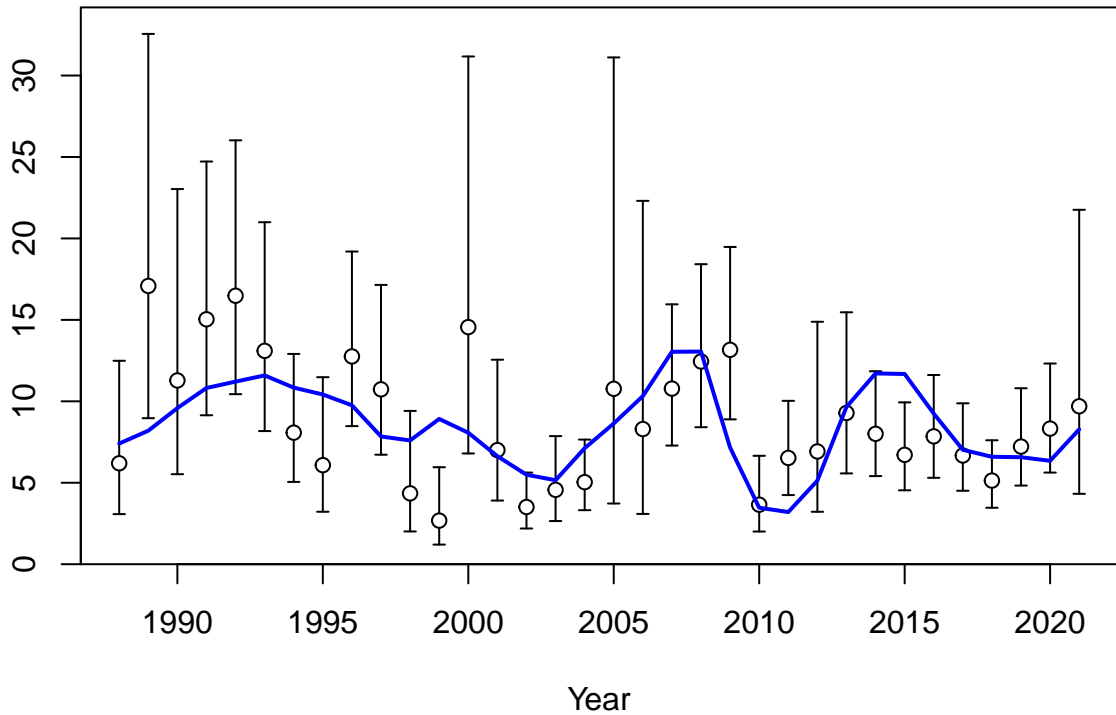


Relative spawning output:  $B/B_{MSY}$

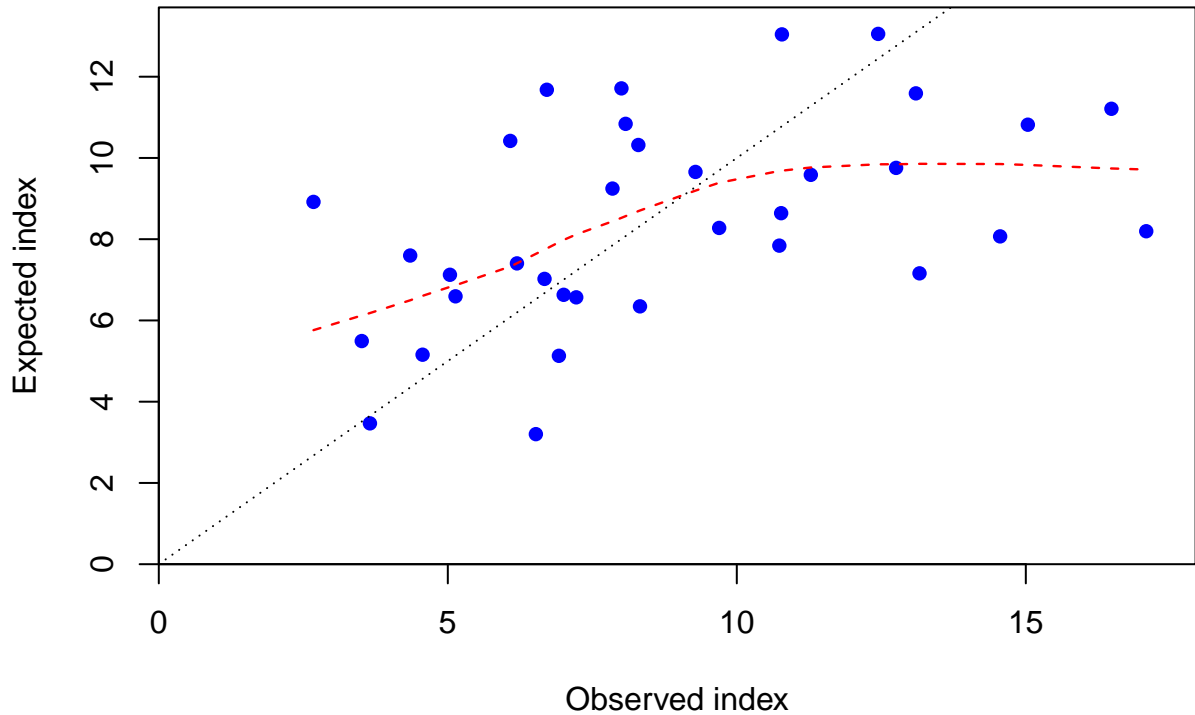
Index



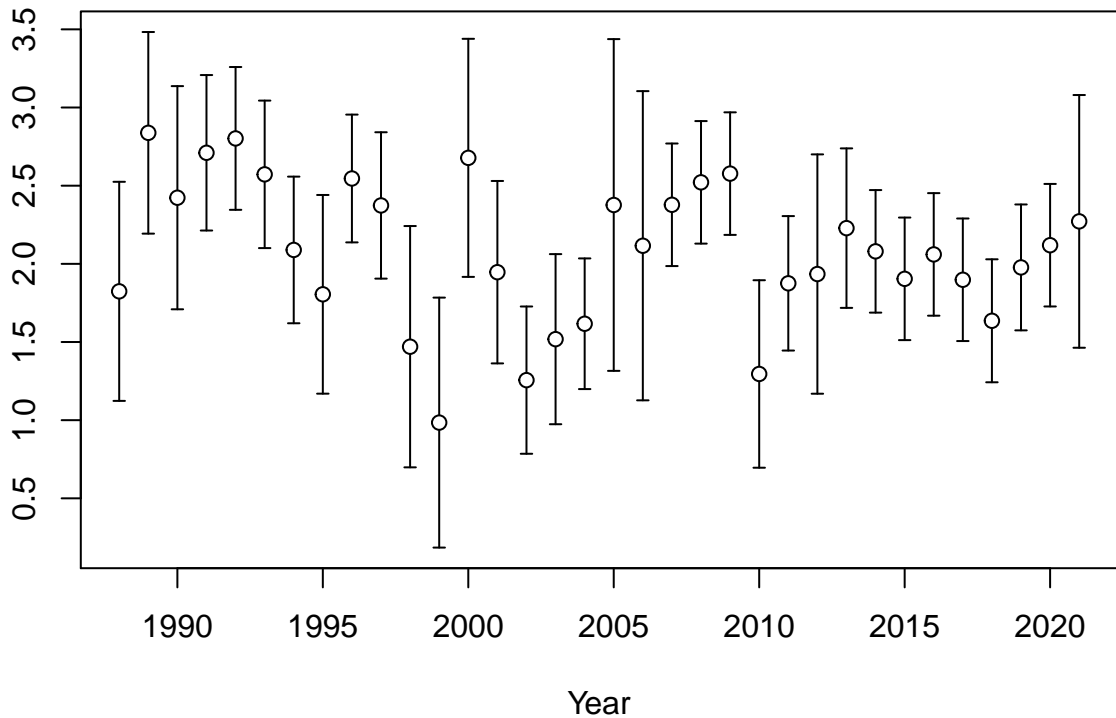
Index



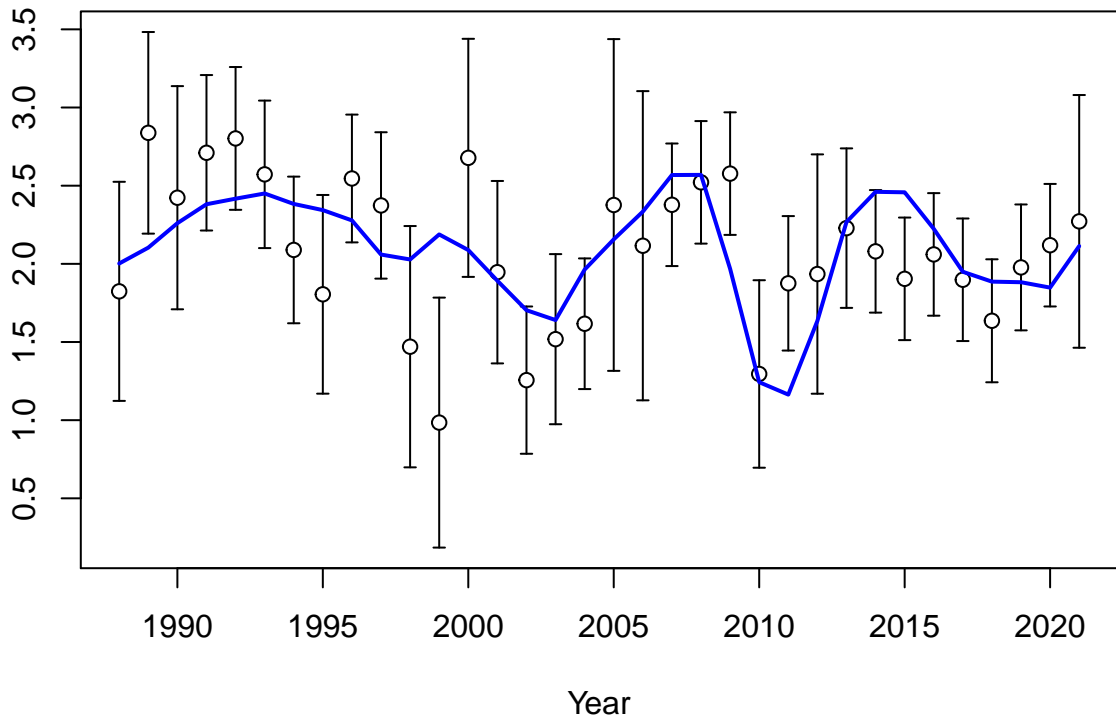




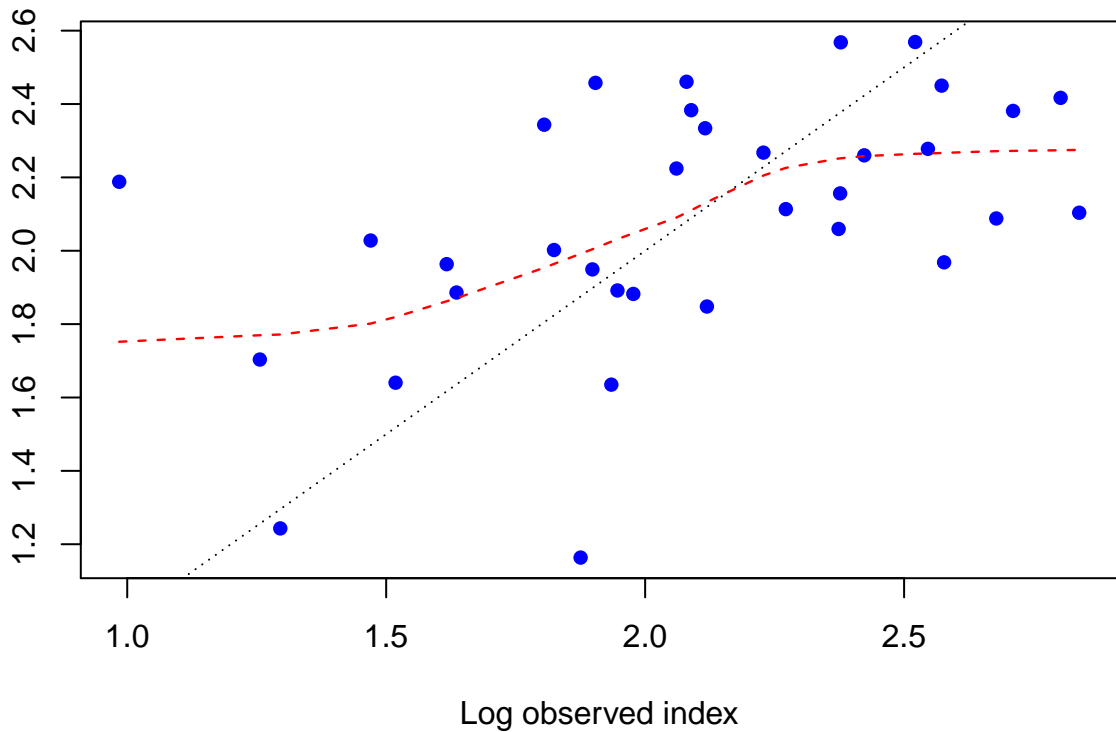
Log index

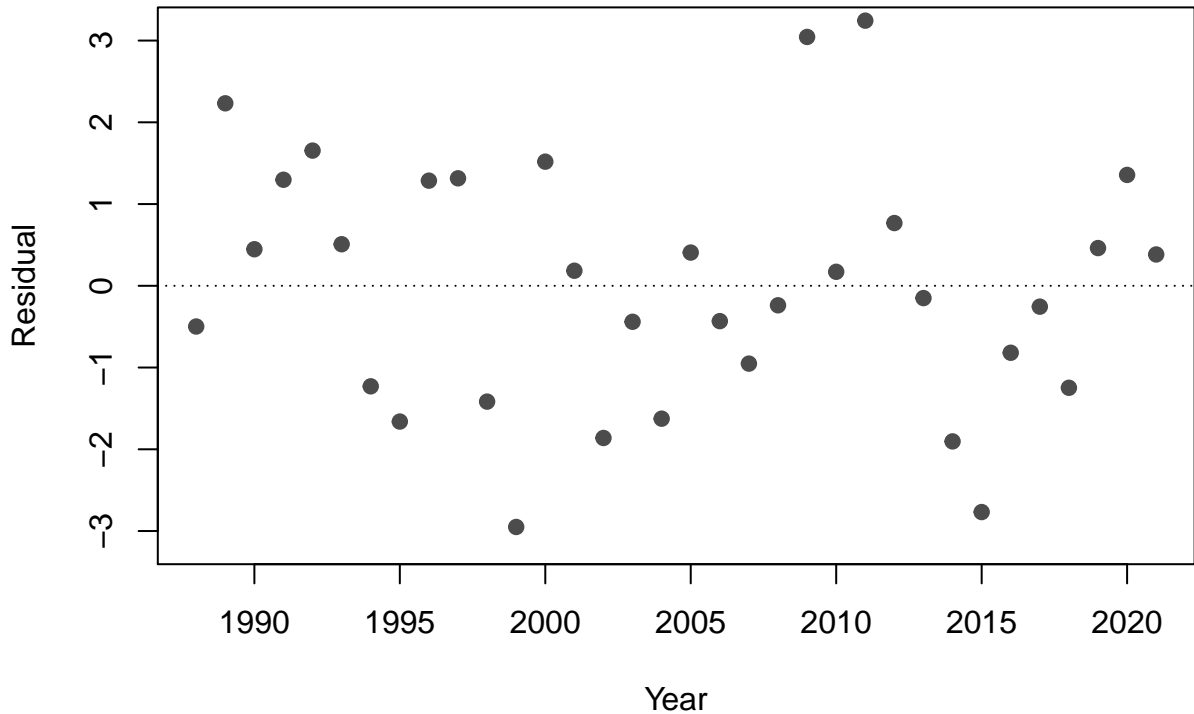


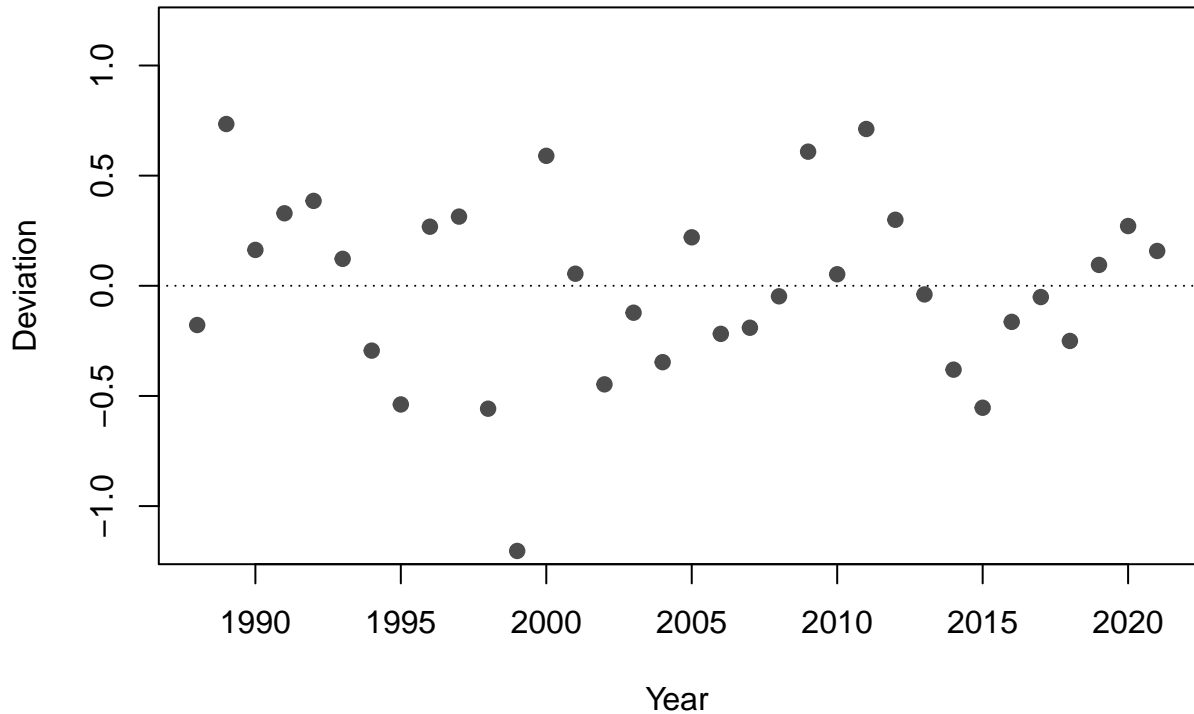
Log index

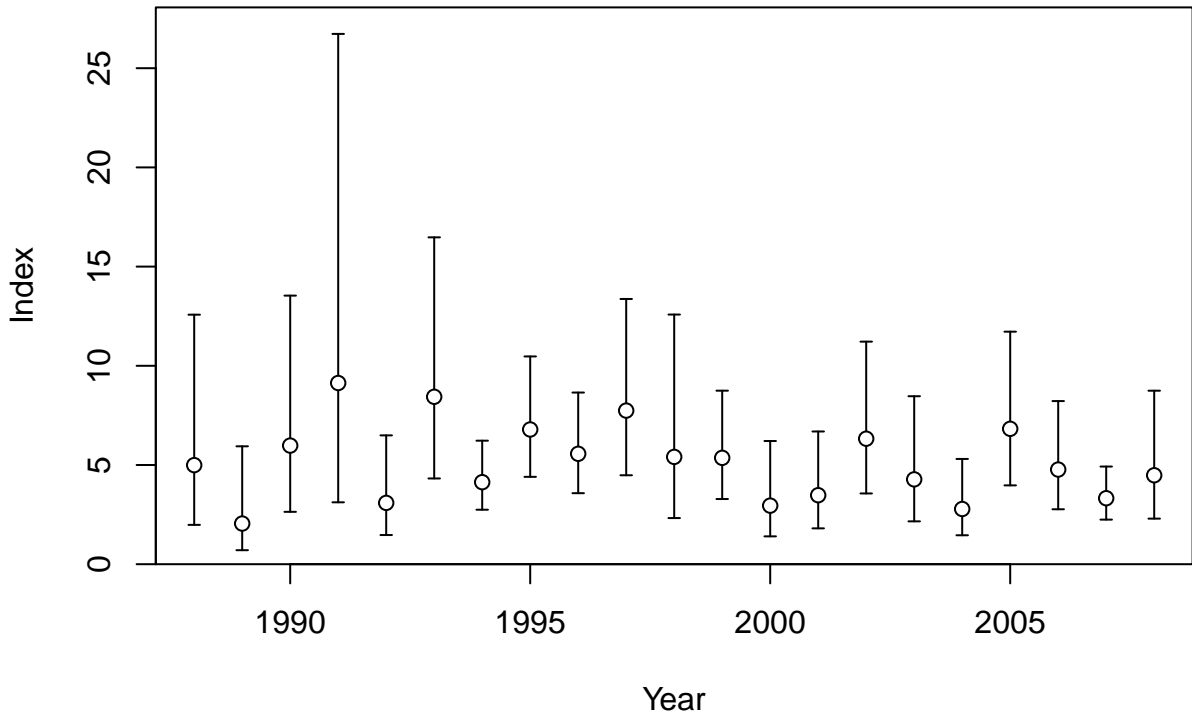


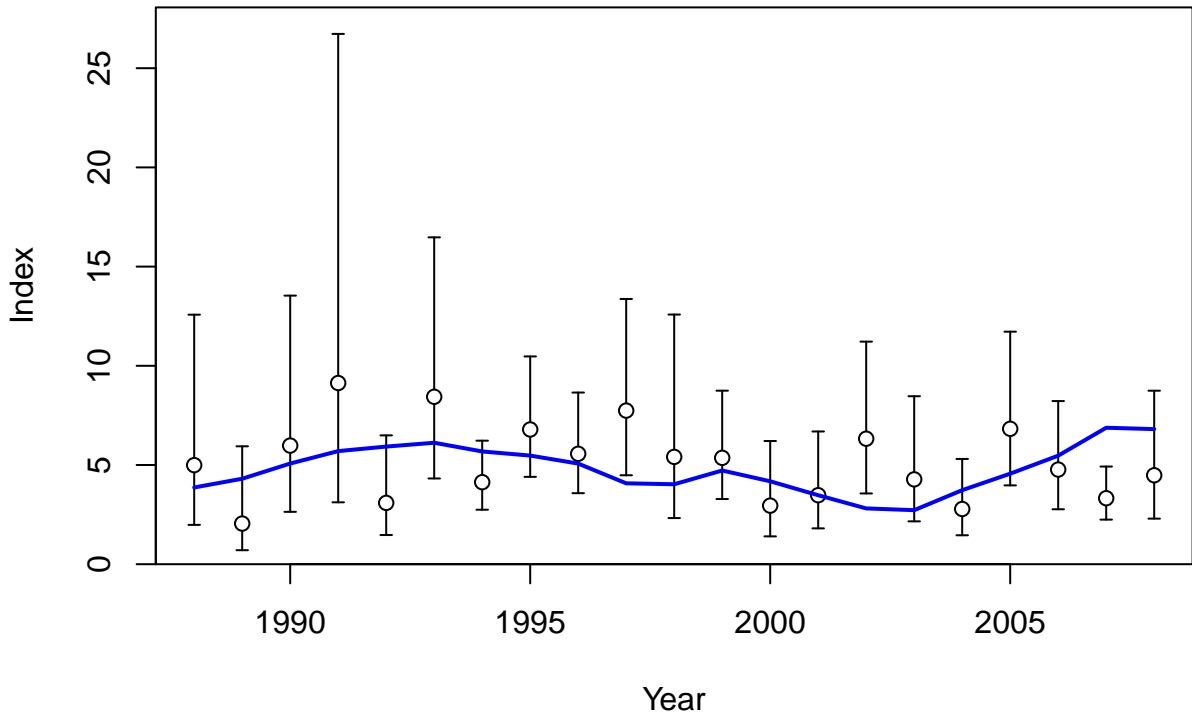
Log expected index



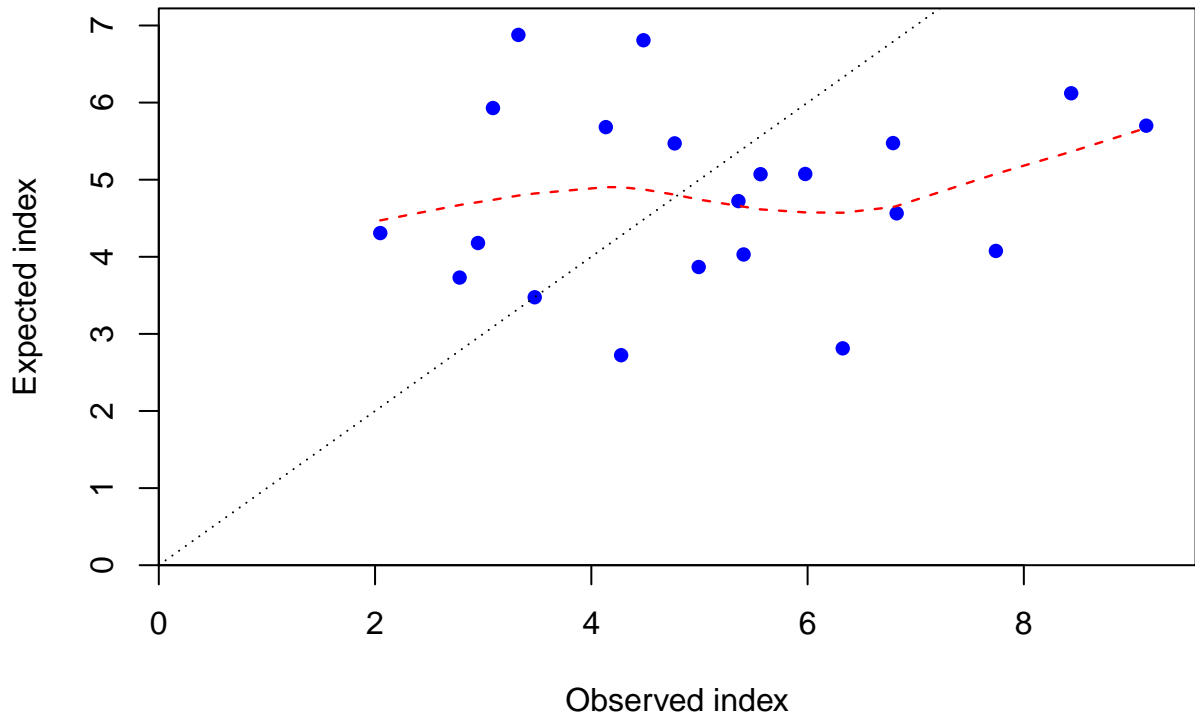


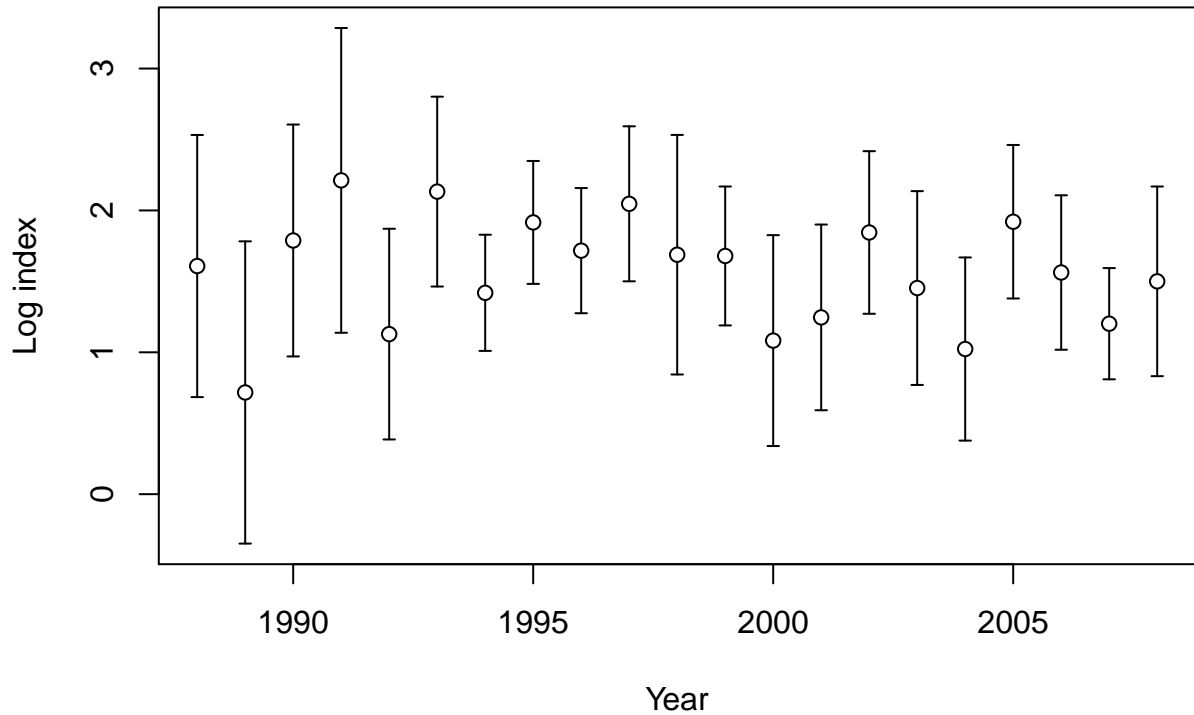


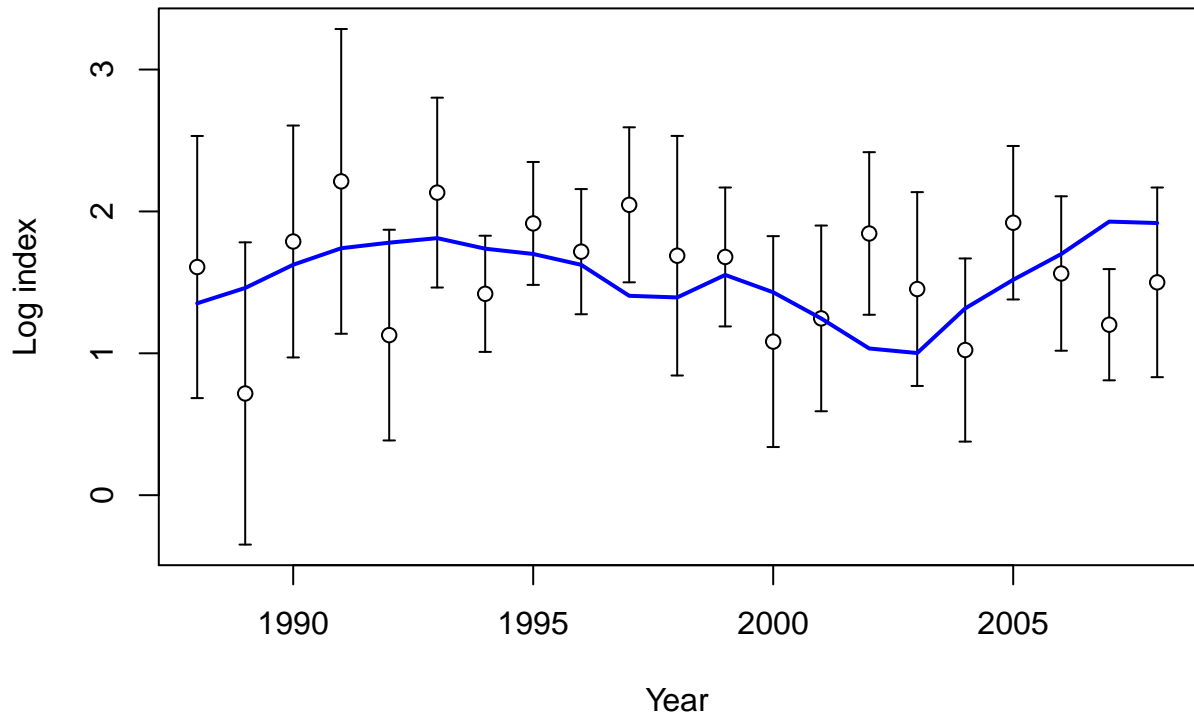


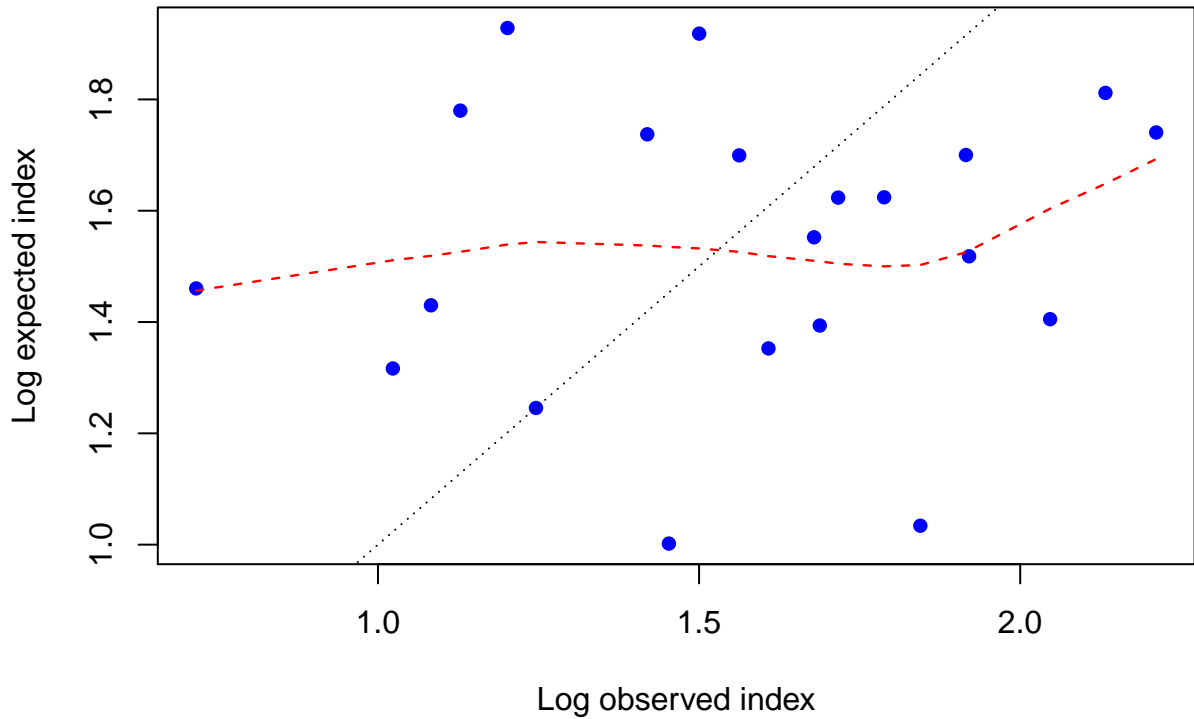


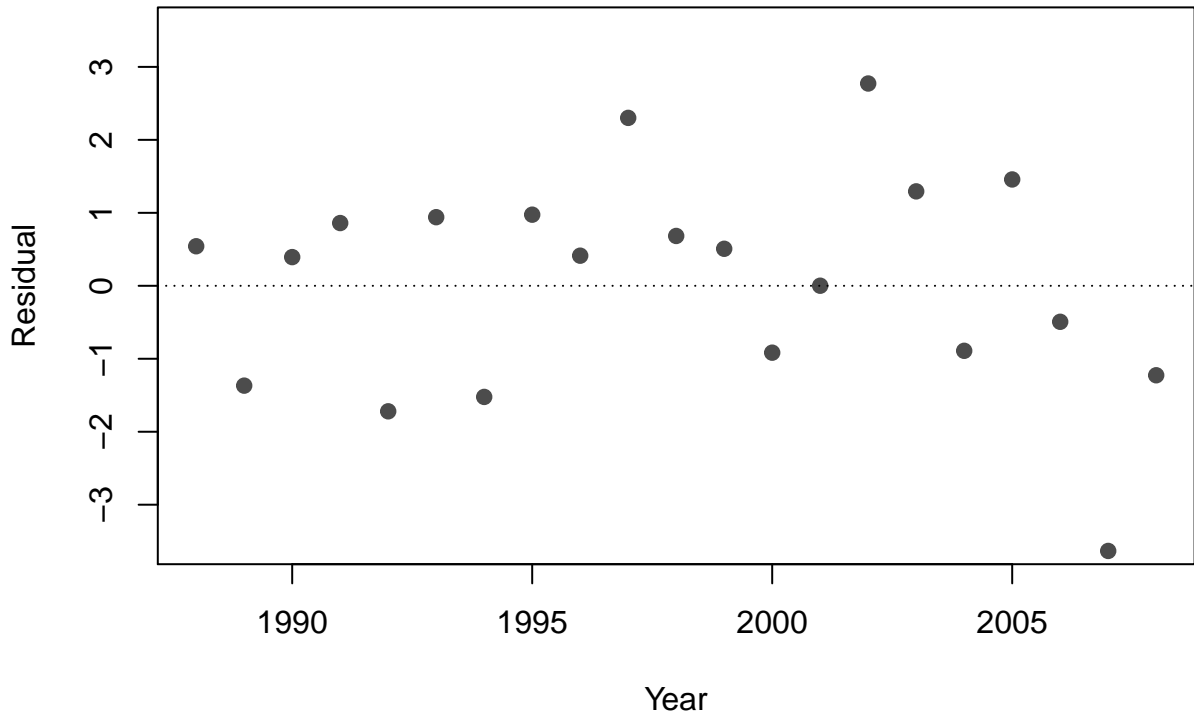


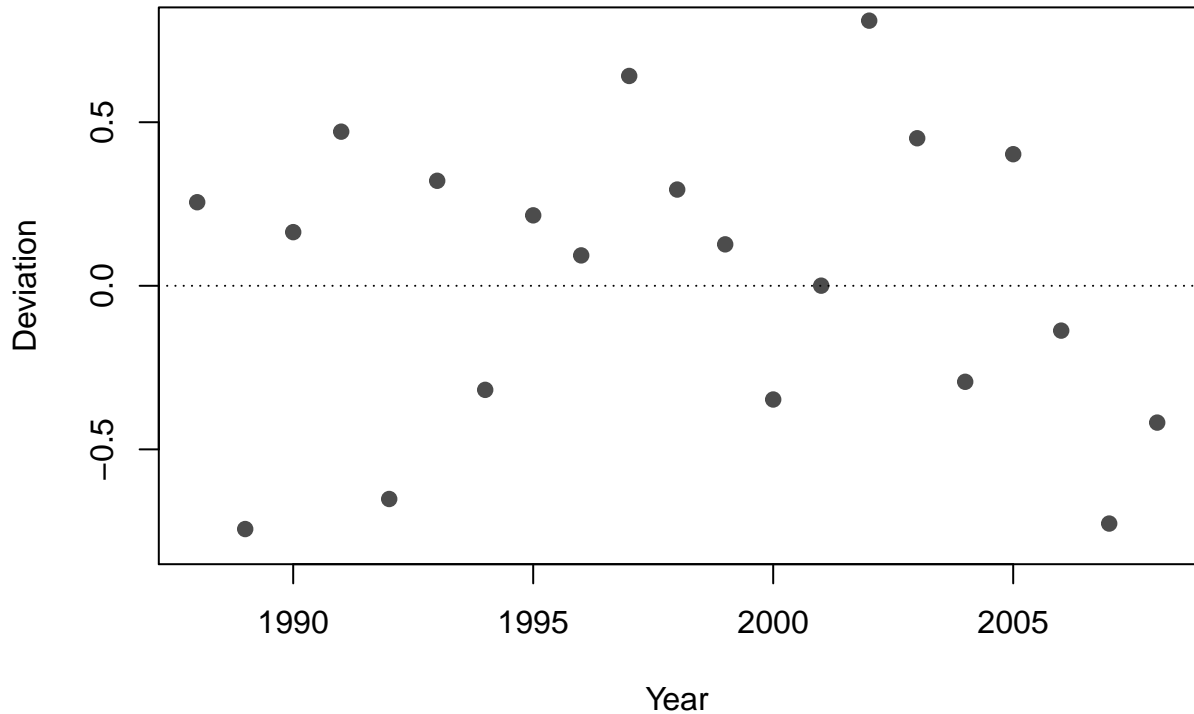




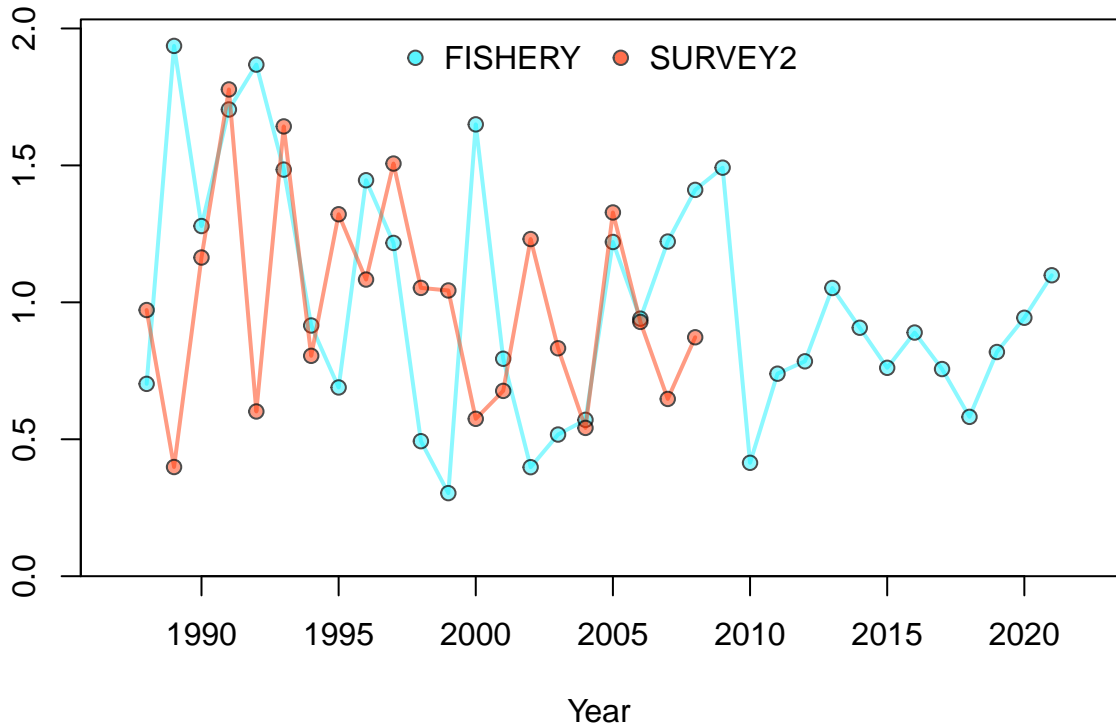


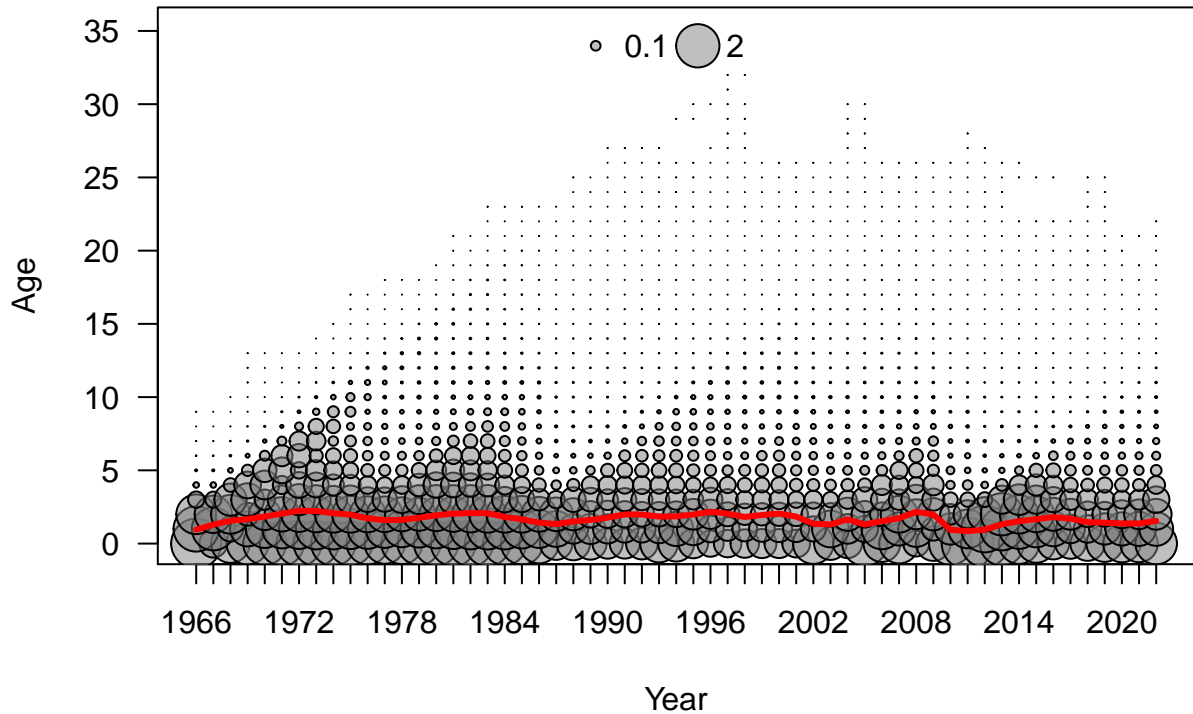




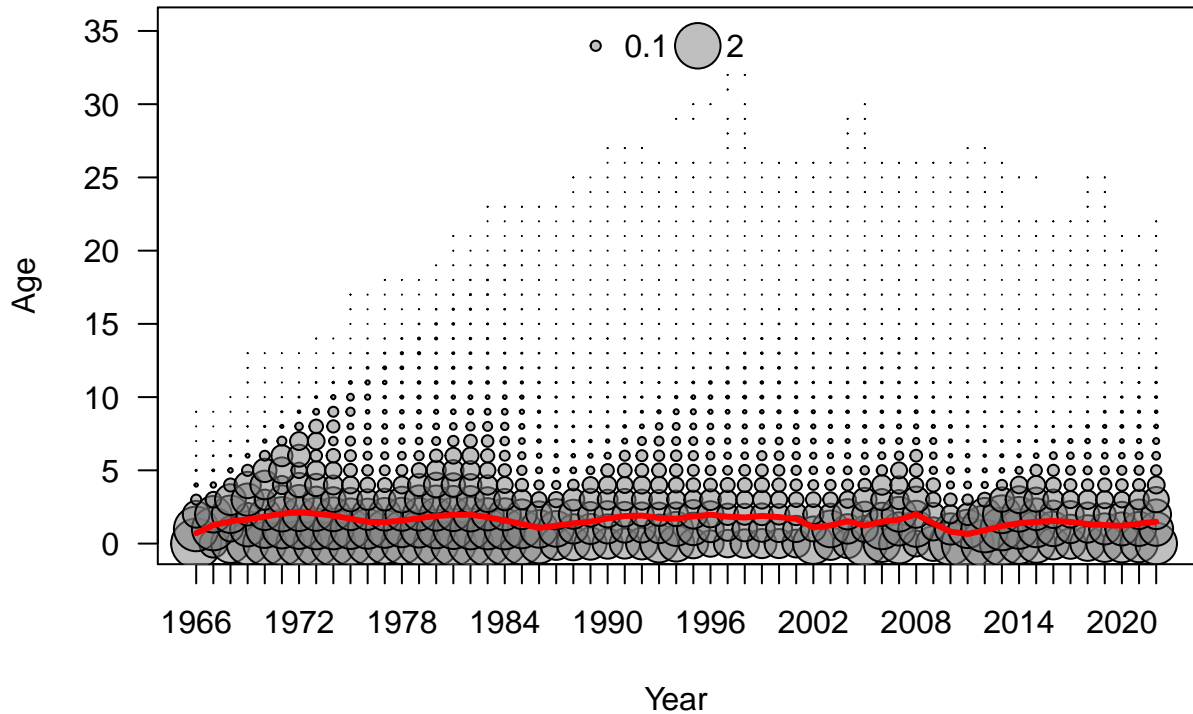


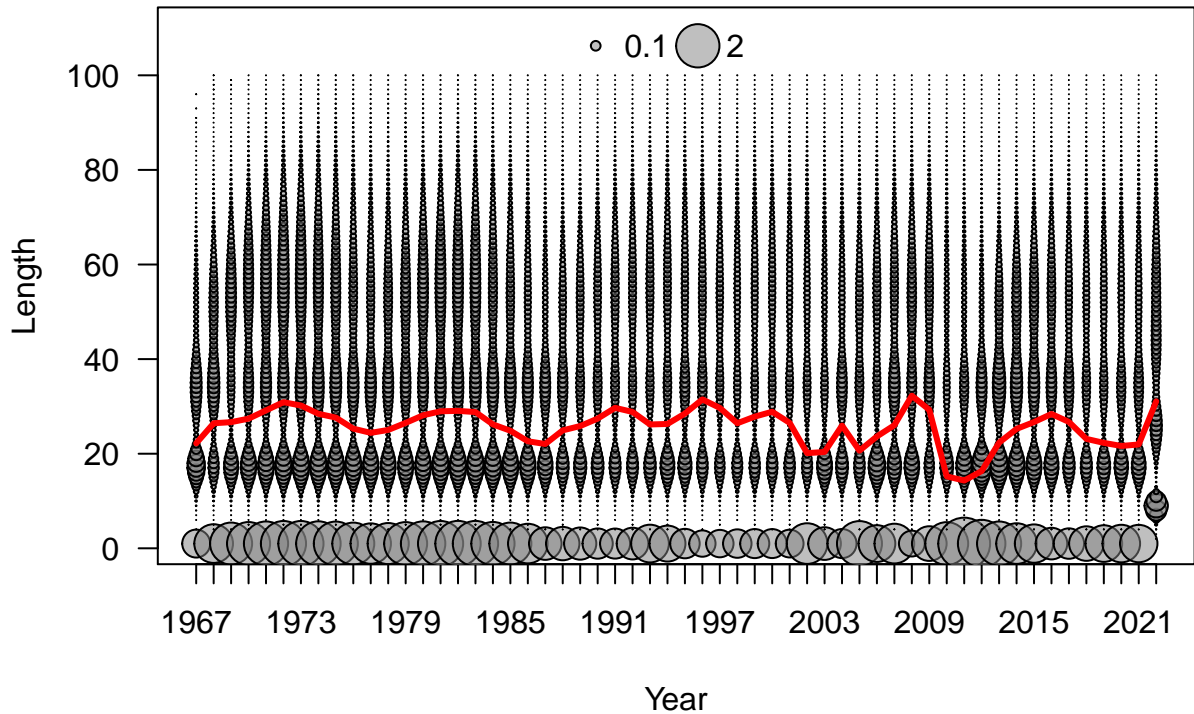
Standardized index

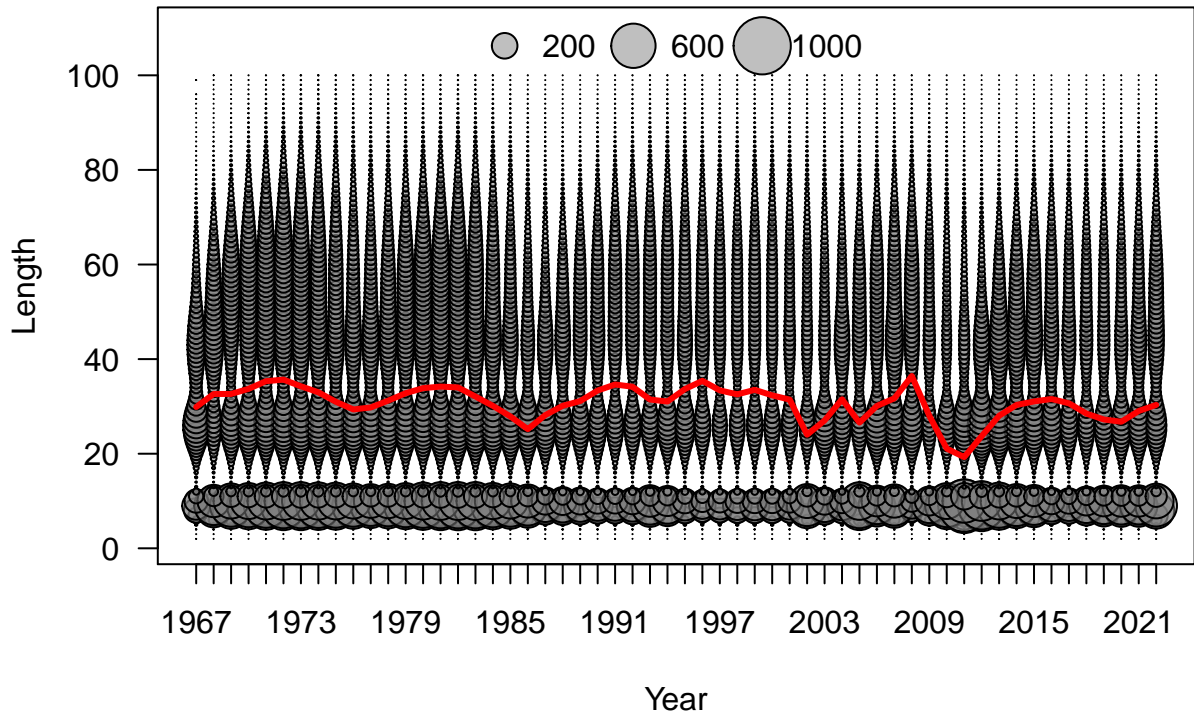


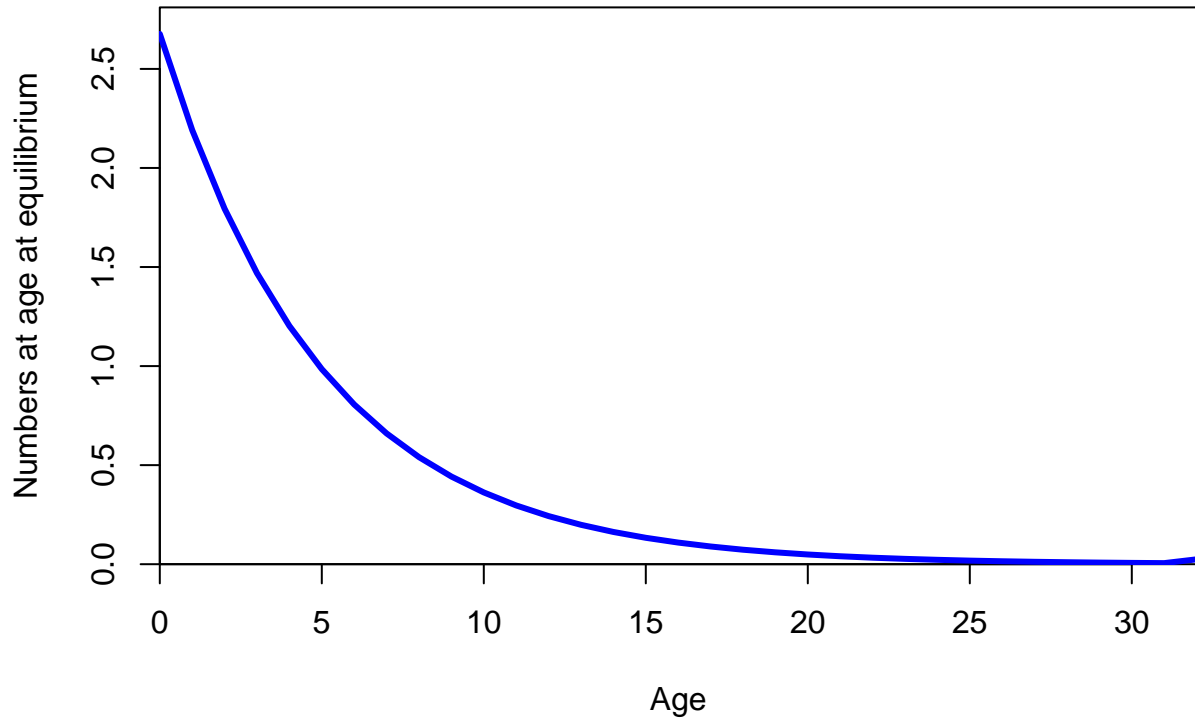


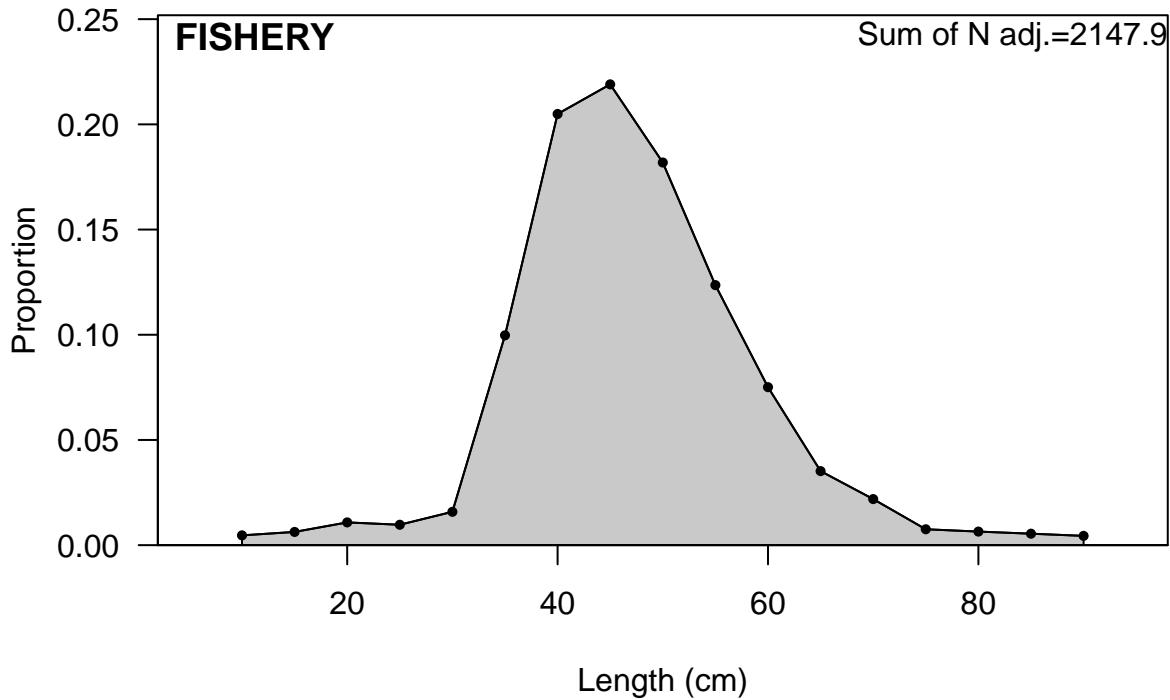






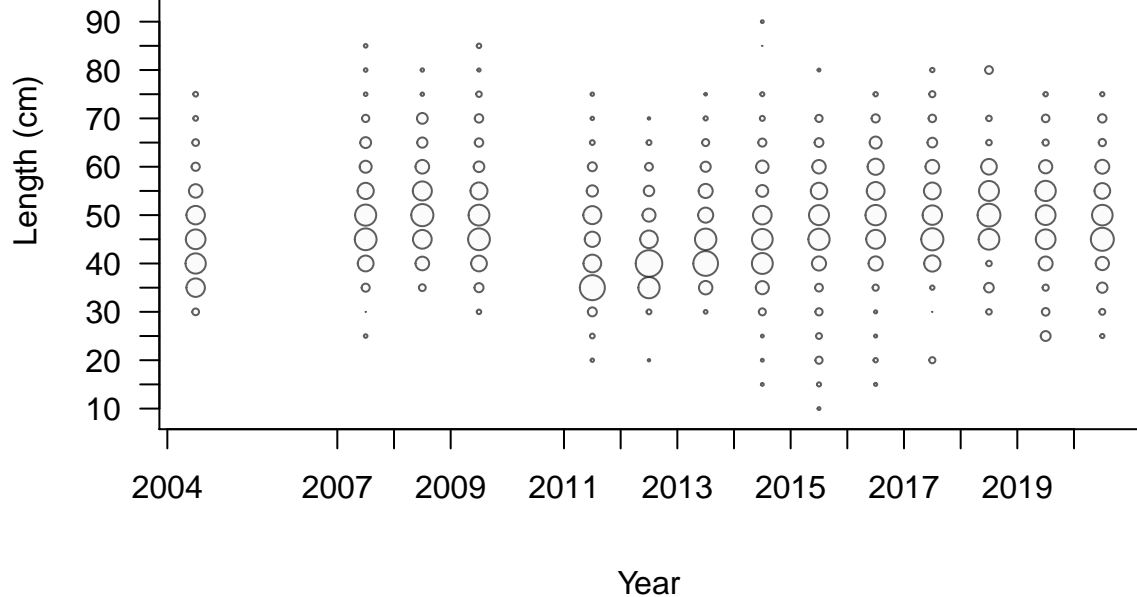




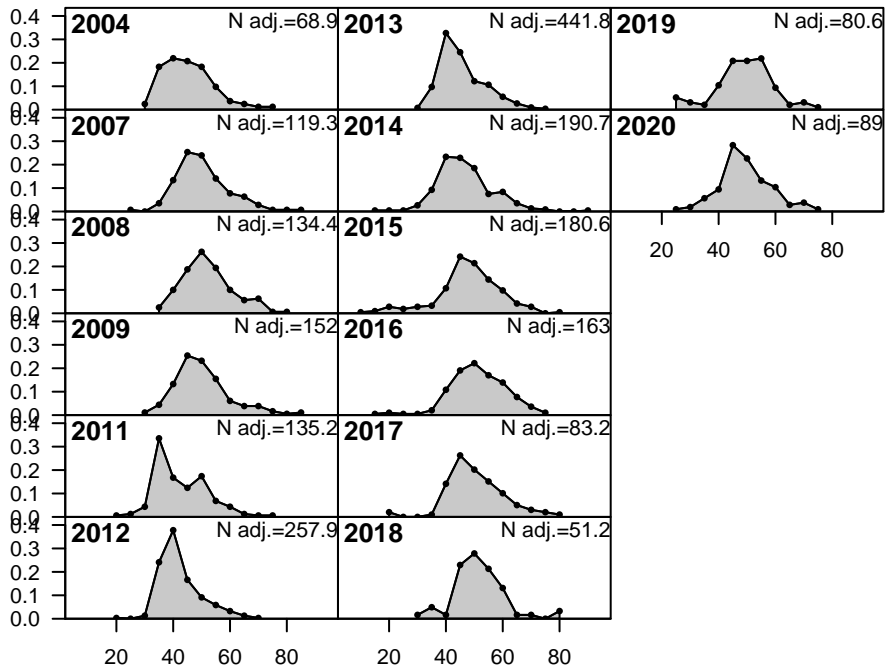


# FISHERY

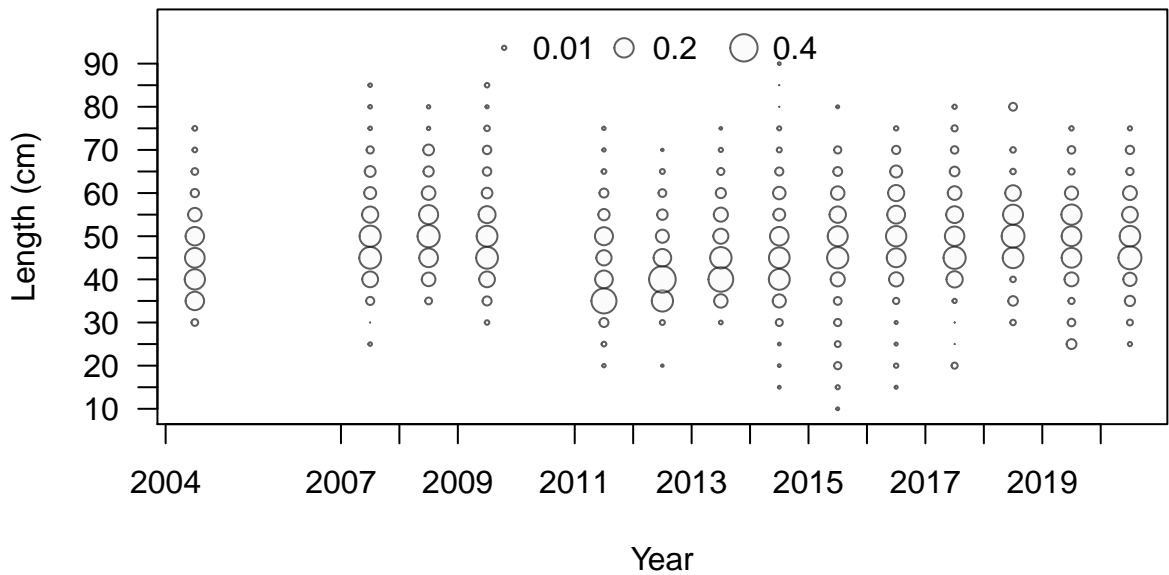
• 0.01 ○ 0.2 ○ 0.4



Proportion

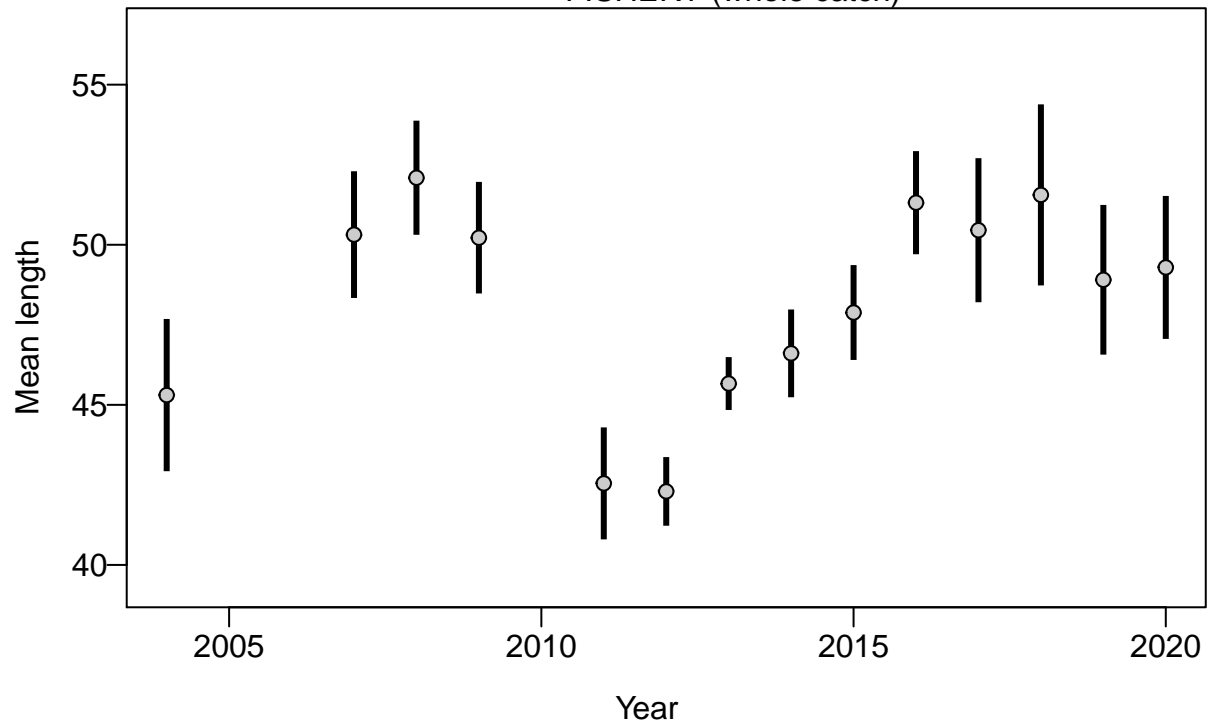


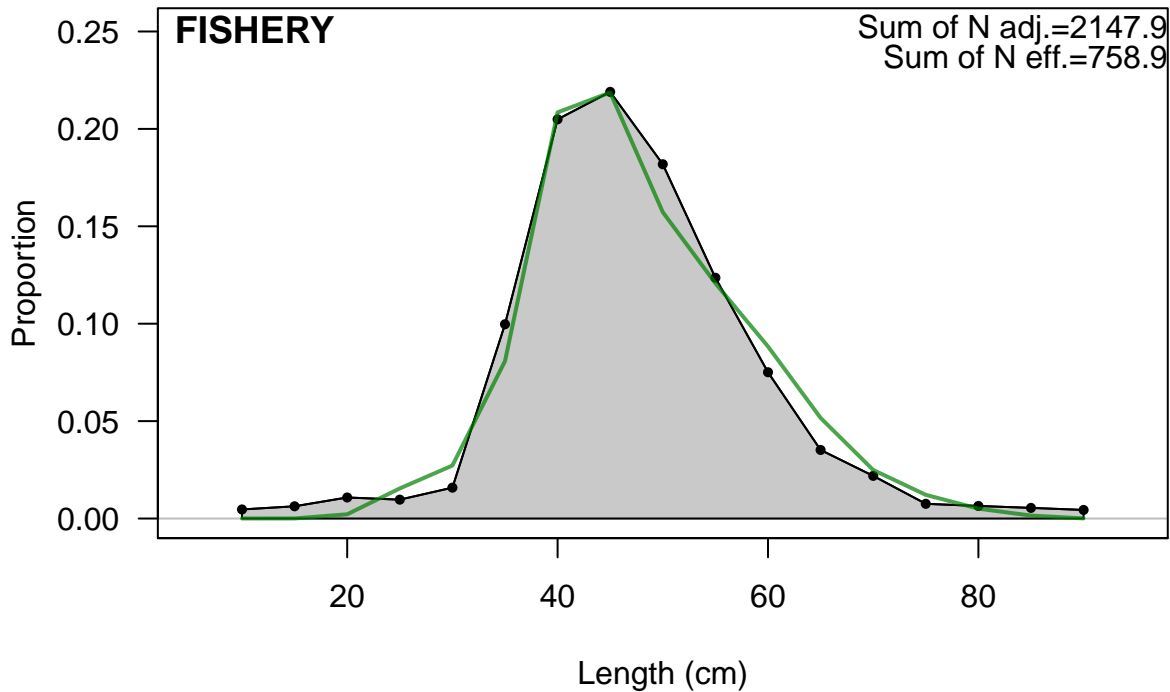
Length (cm)

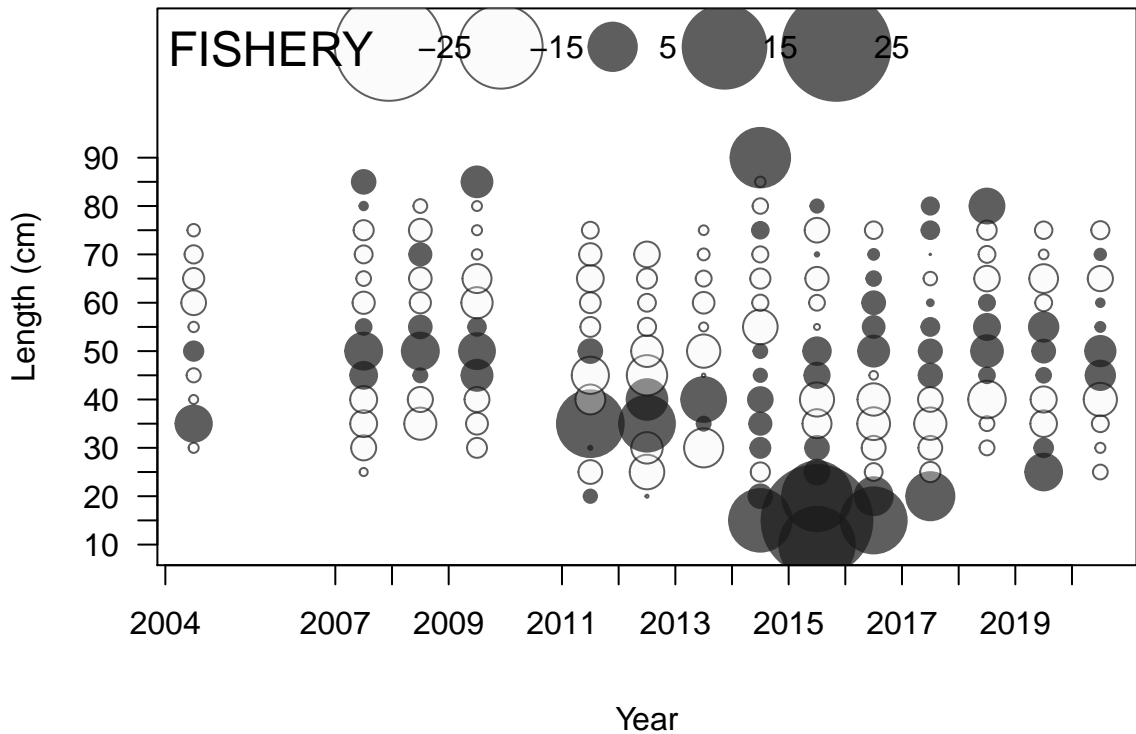




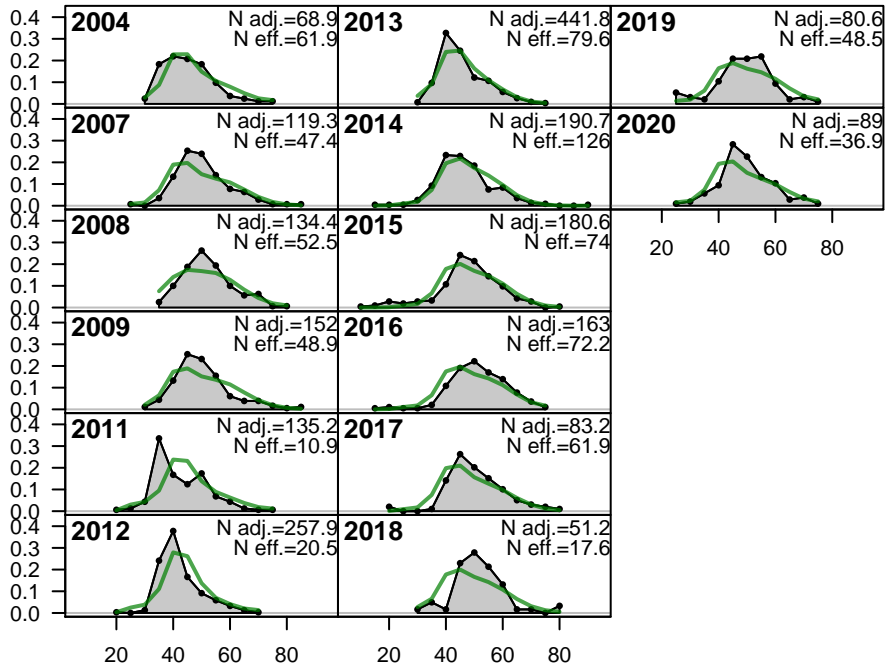
FISHERY (whole catch)



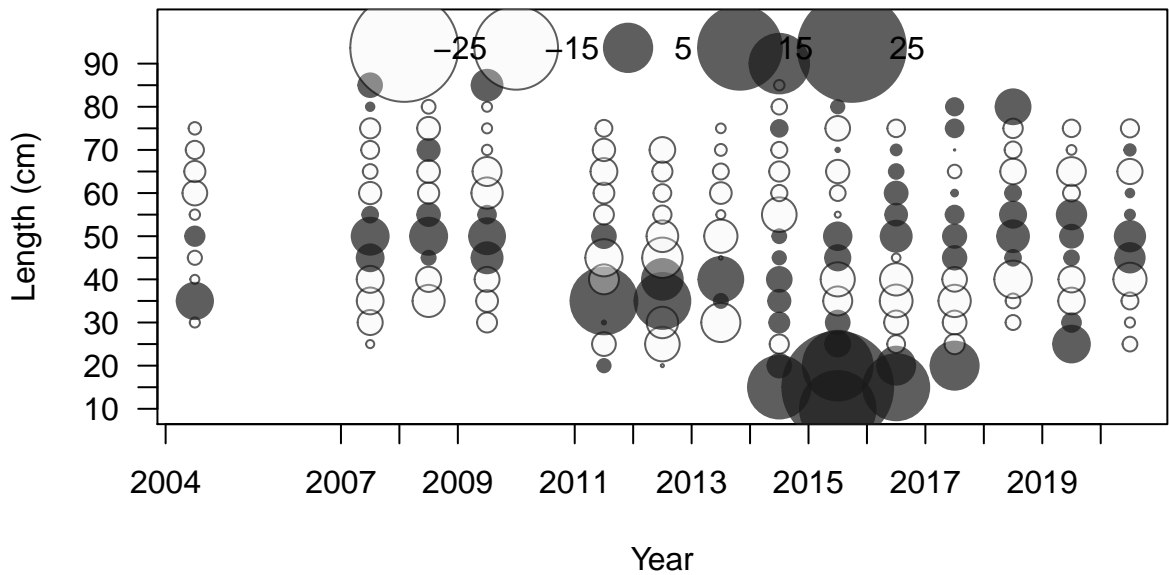




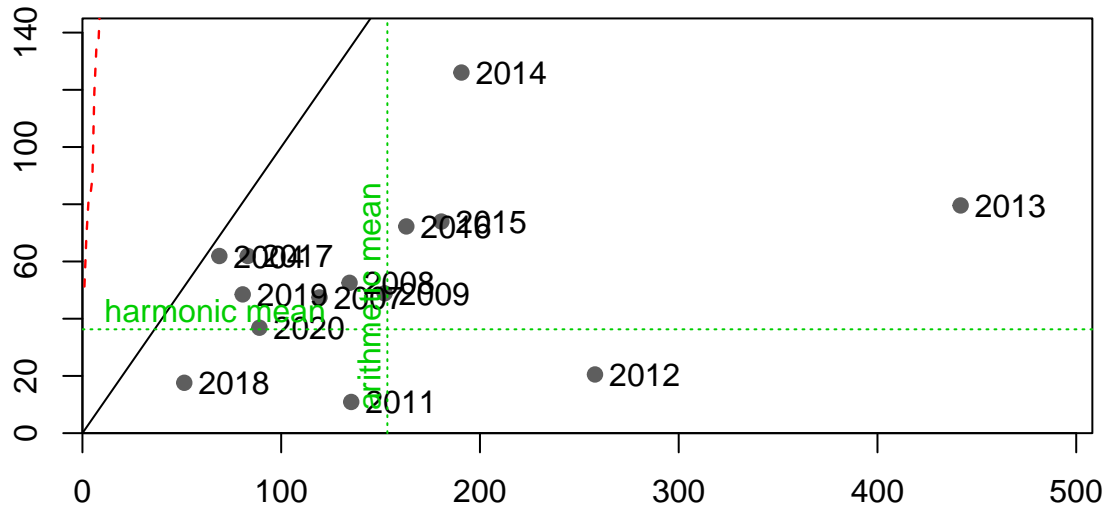
Proportion



Length (cm)

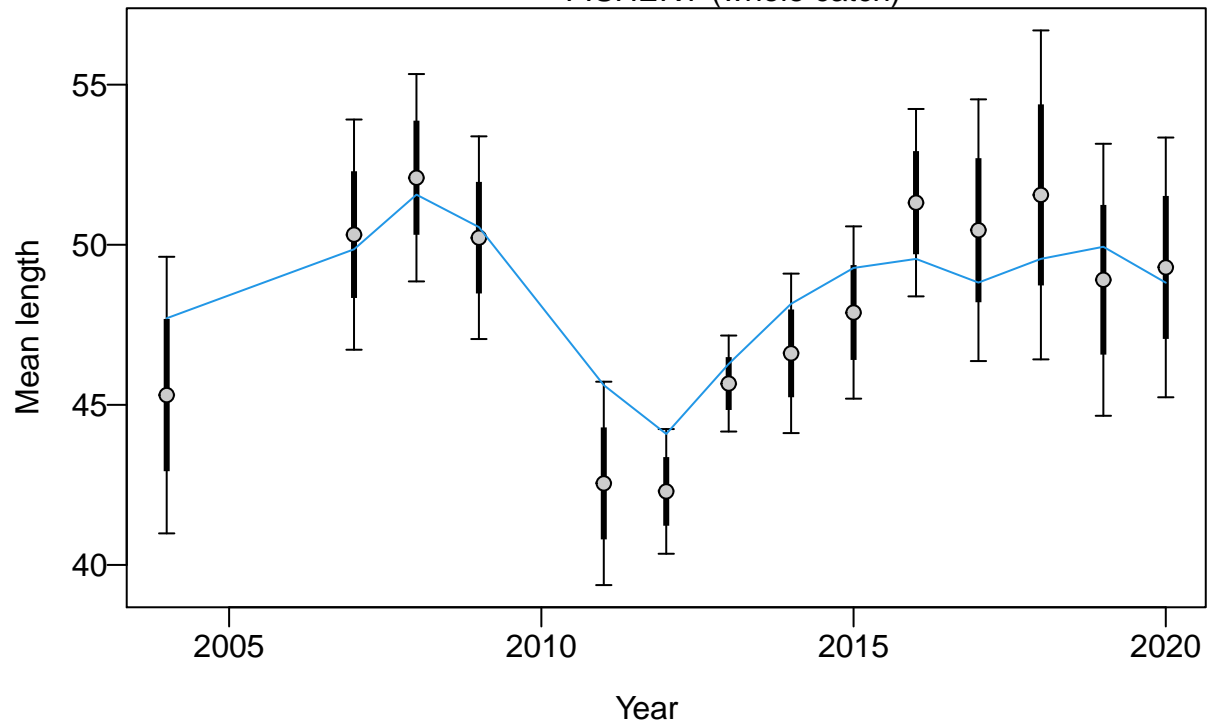


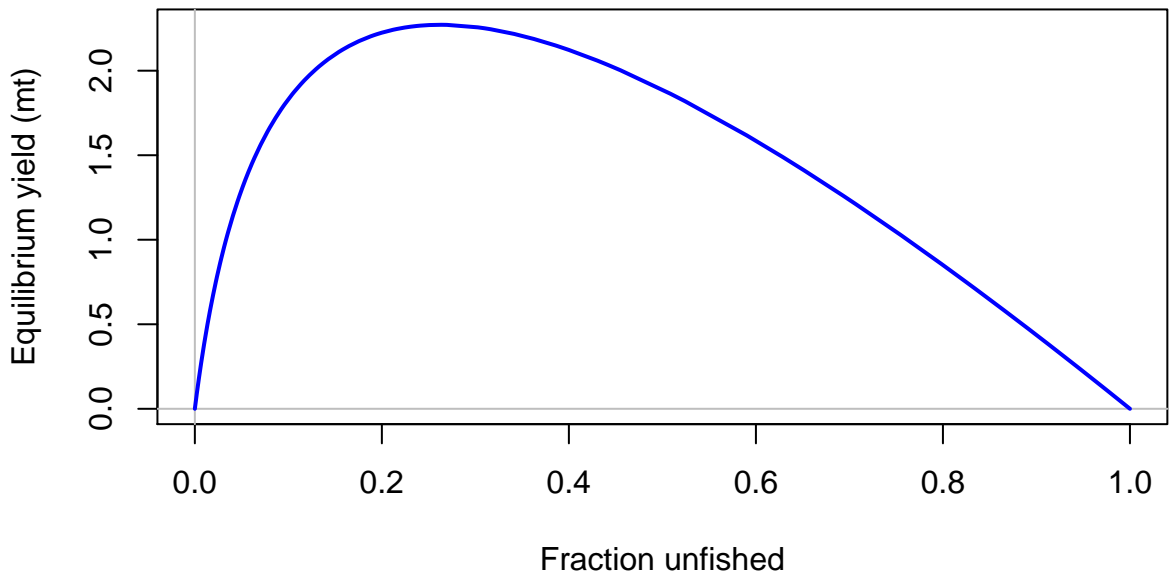
Effective sample size



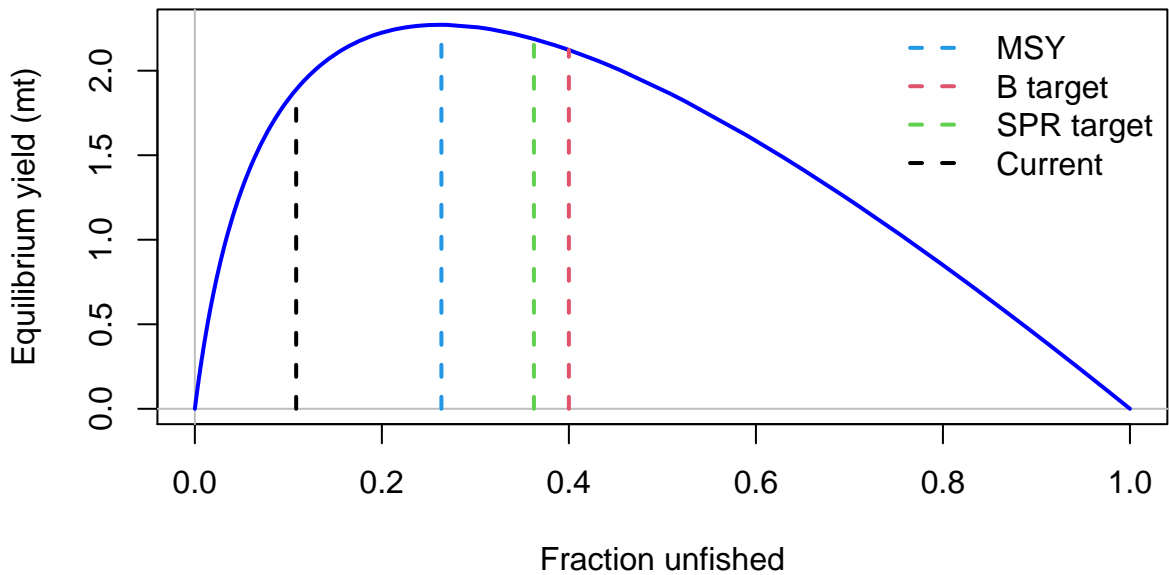
Observed sample size

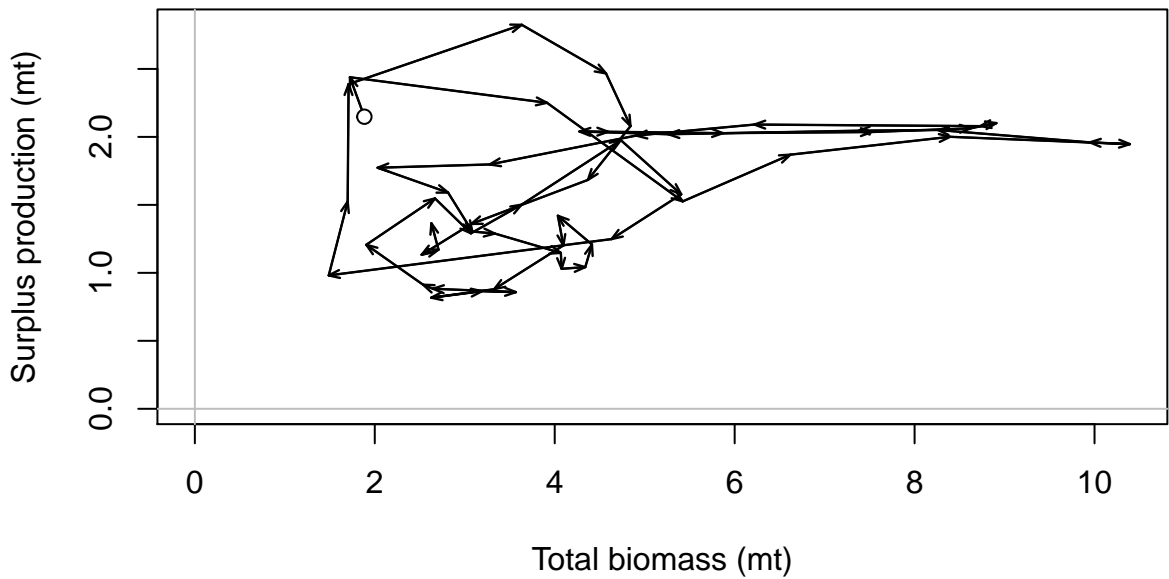
## FISHERY (whole catch)

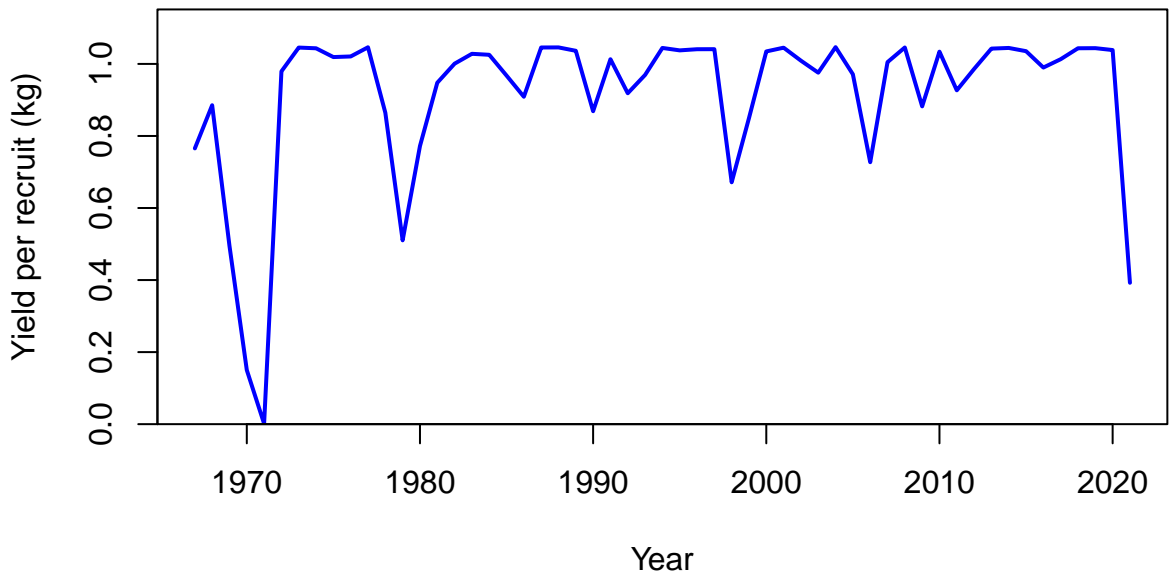


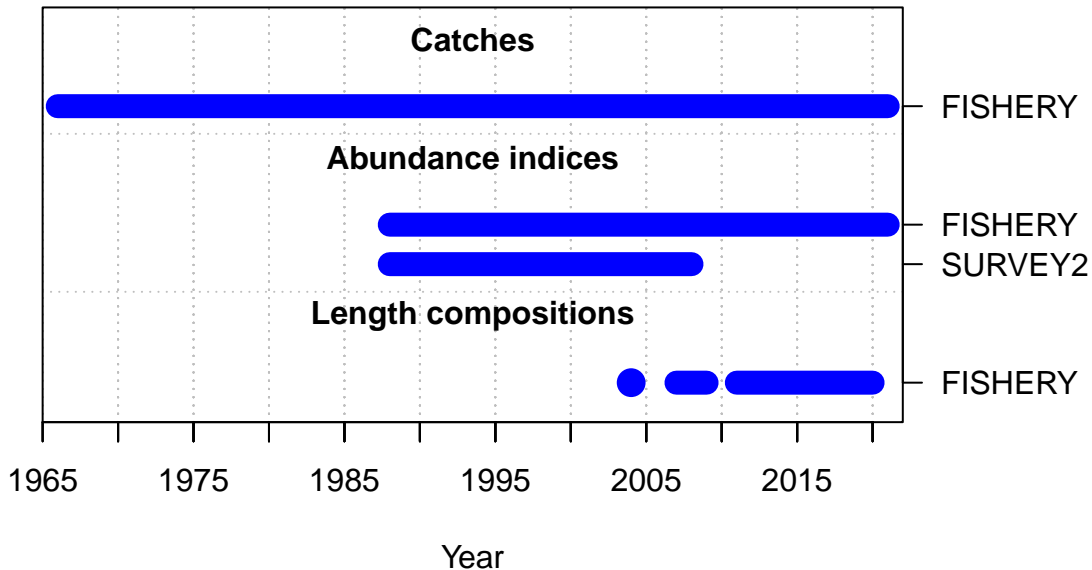


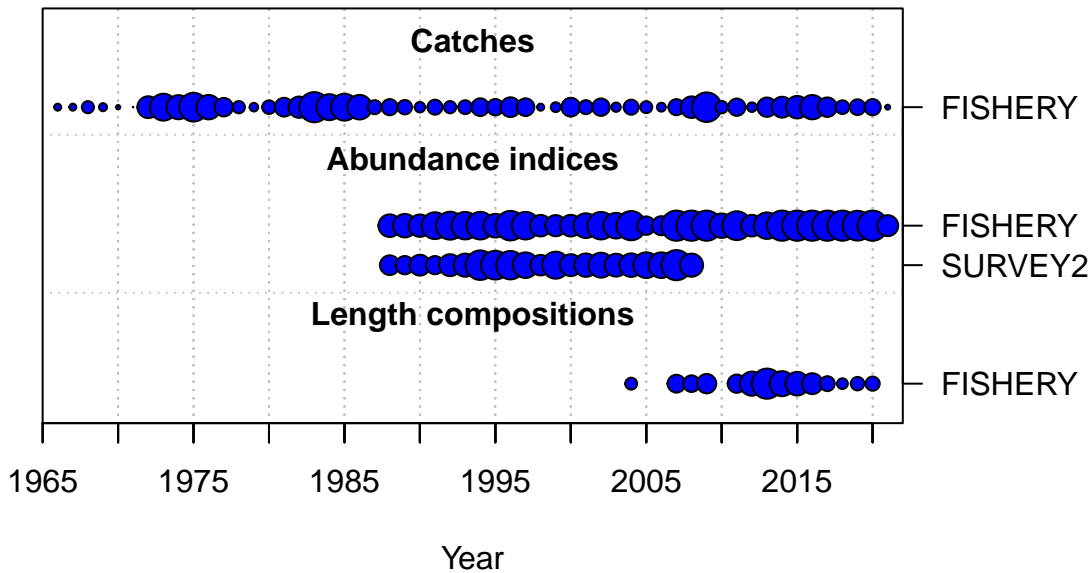






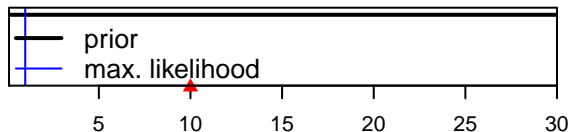




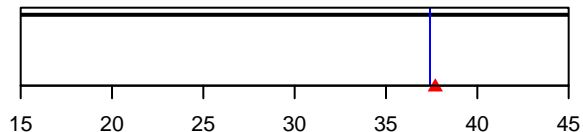


Density

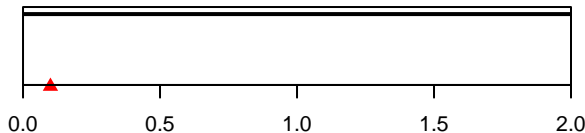
SR\_LN(R0)



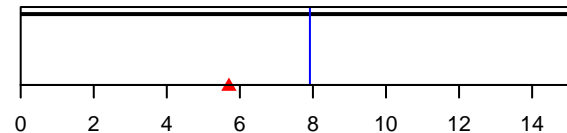
Size\_inflection\_FISHERY(1)



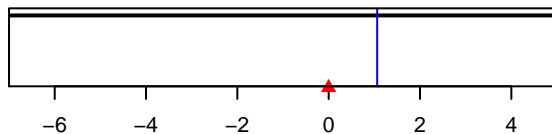
InitF\_seas\_1\_flt\_1FISHERY



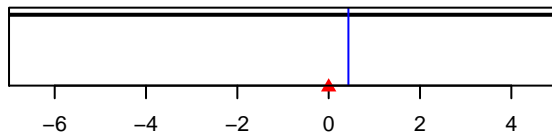
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value