

Plots created using the 'r4ss' package in R

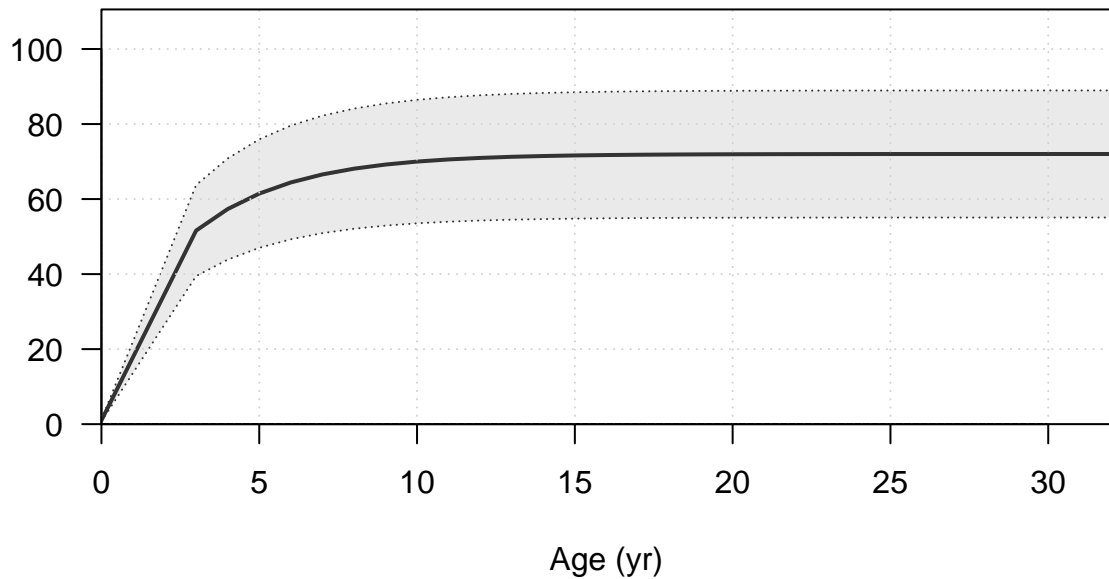
Stock Synthesis version: 3.30.19.0

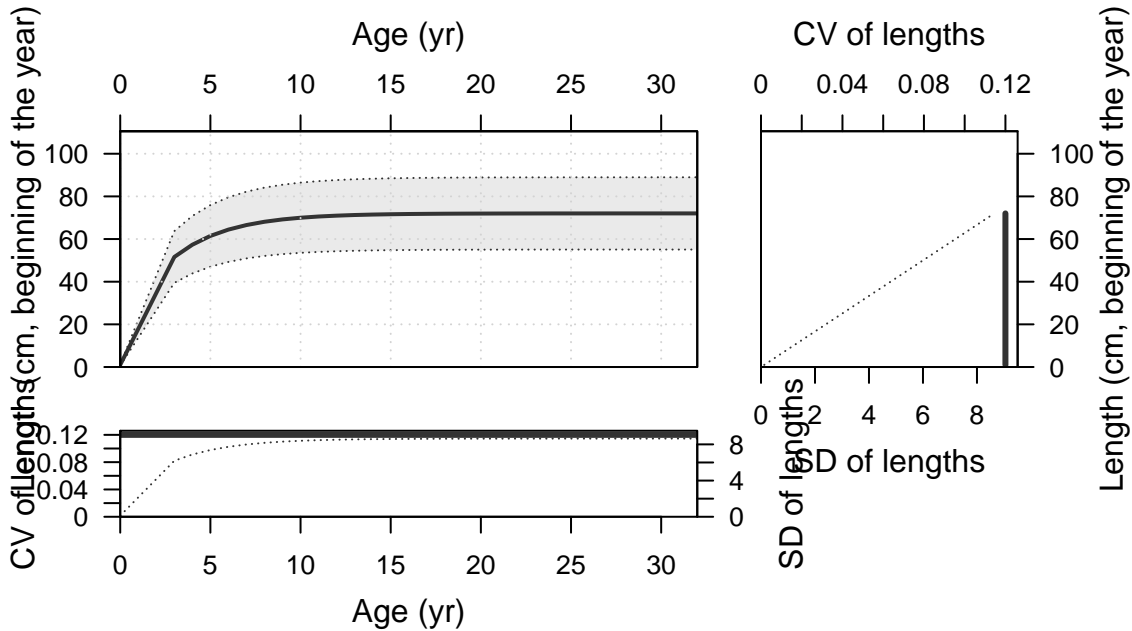
StartTime: Mon Jun 27 11:03:19 2022

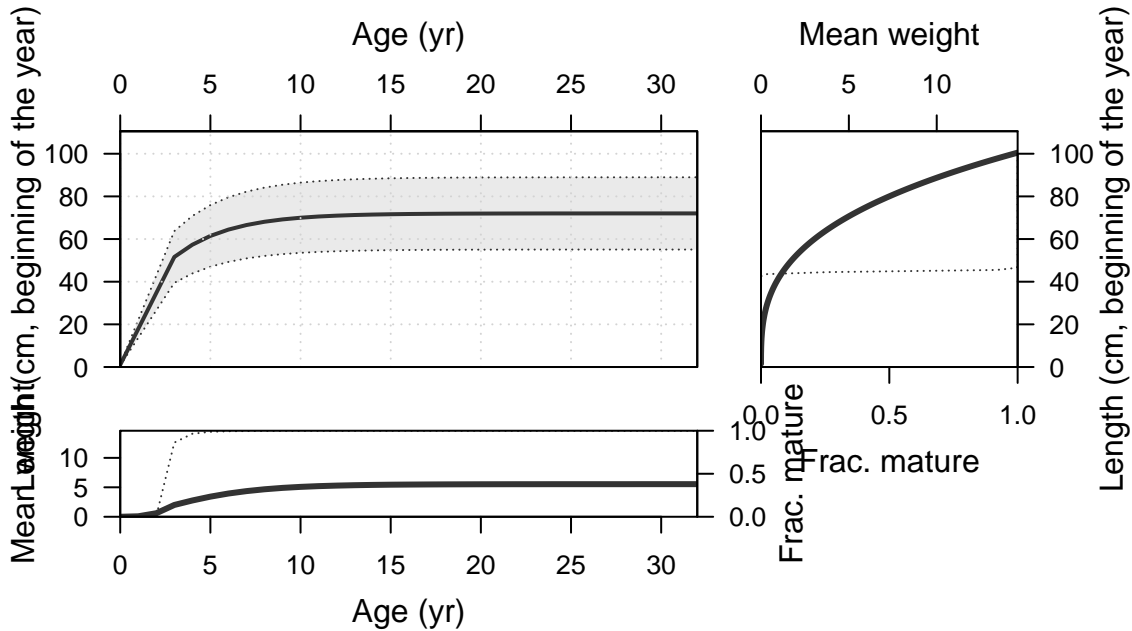
Data\_File: data.ss

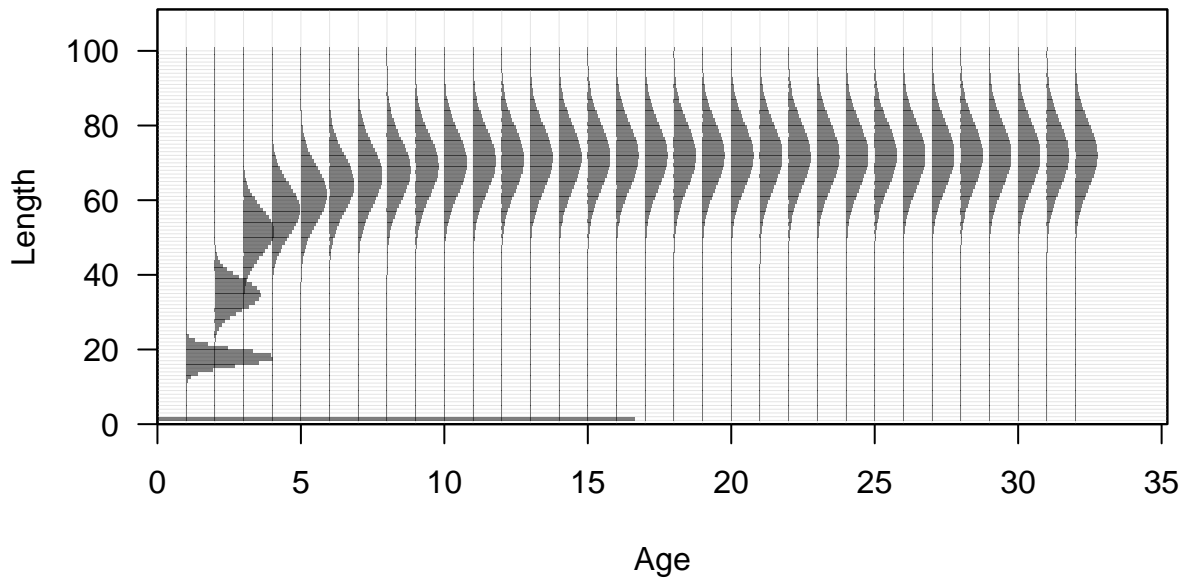
Control\_File: control.ss

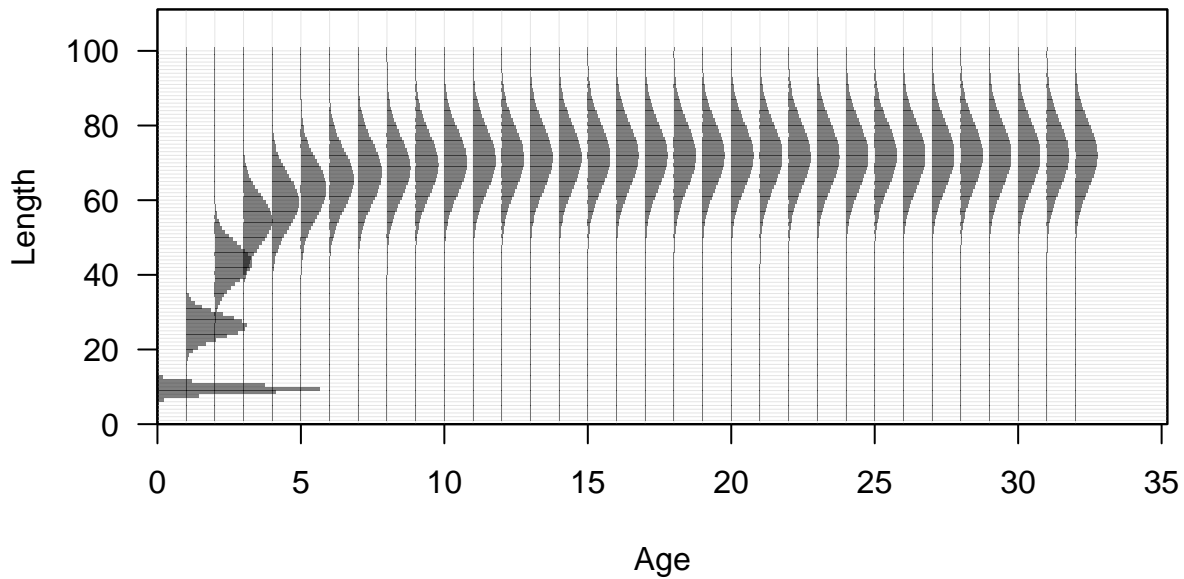
Length (cm, beginning of the year)



















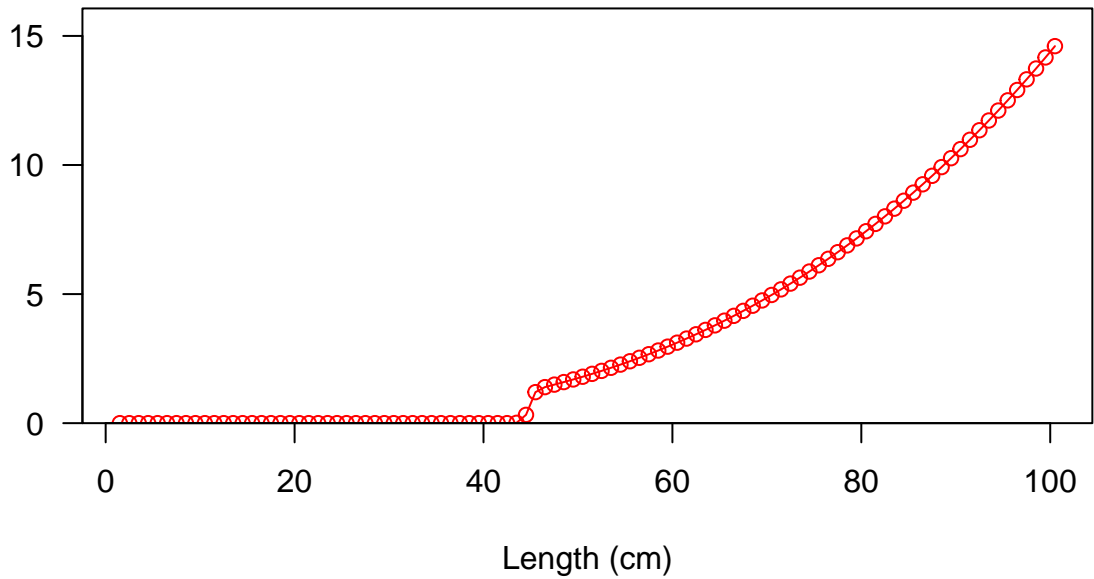
Fecundity

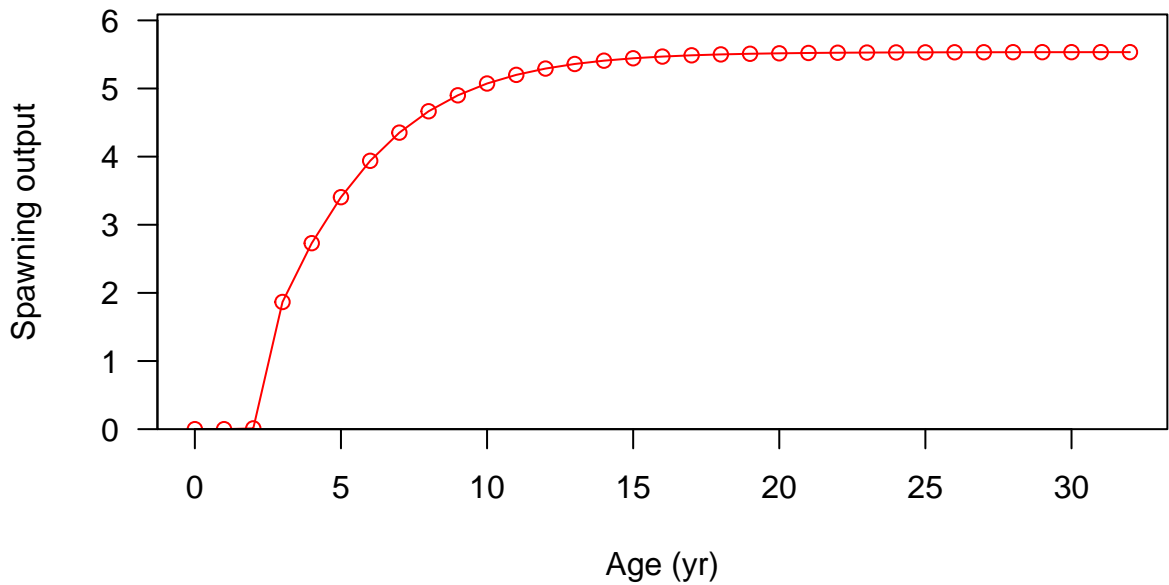


Fecundity

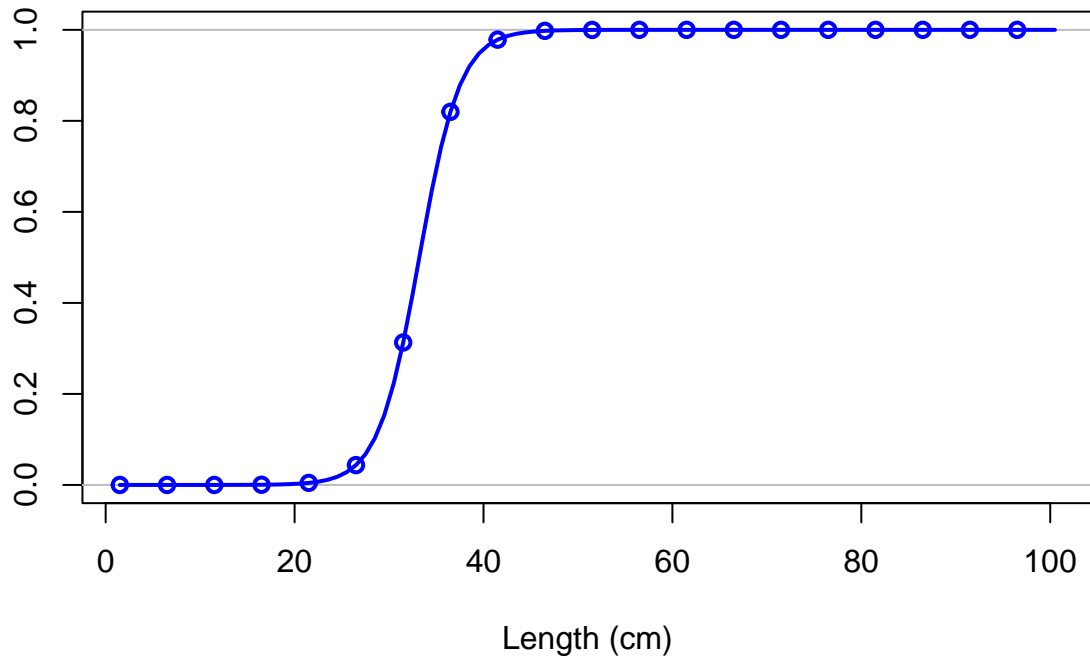


Spawning output

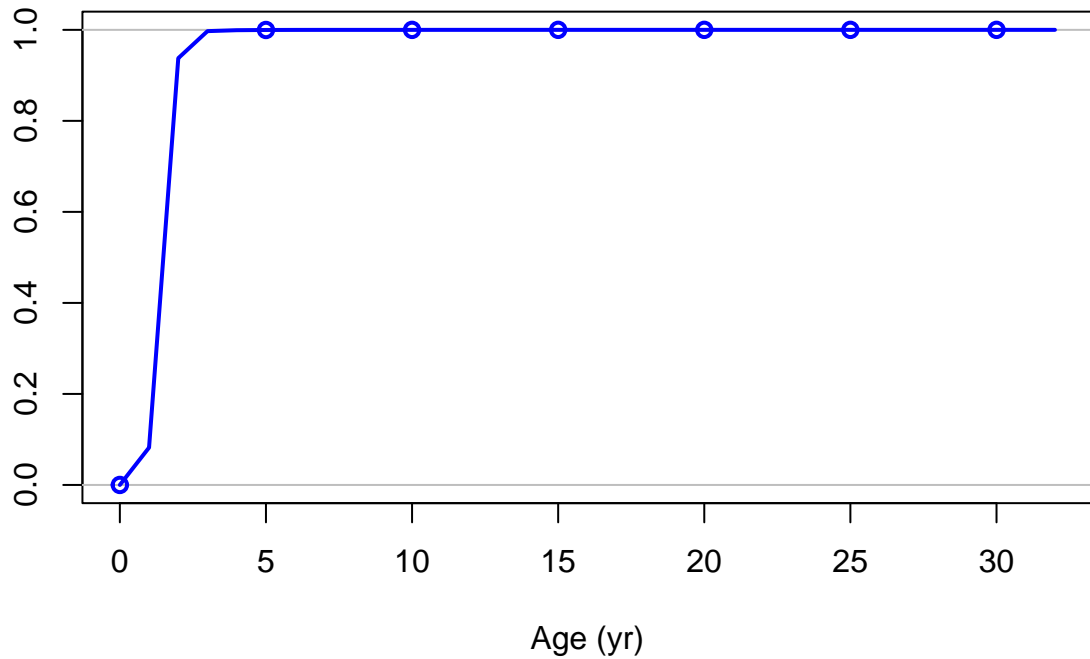




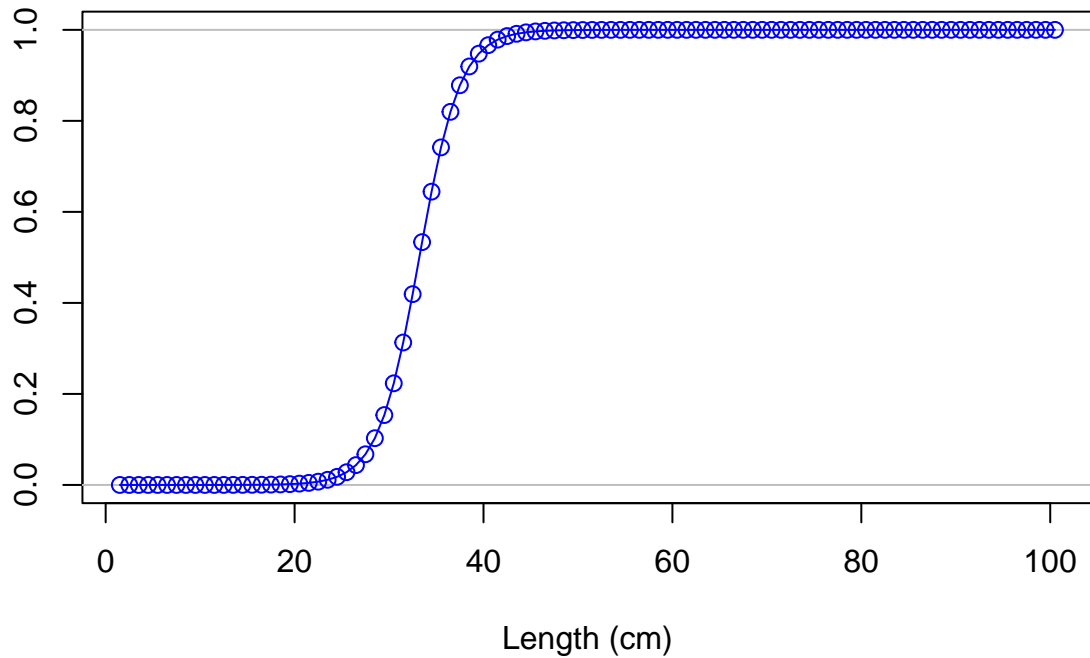
Selectivity



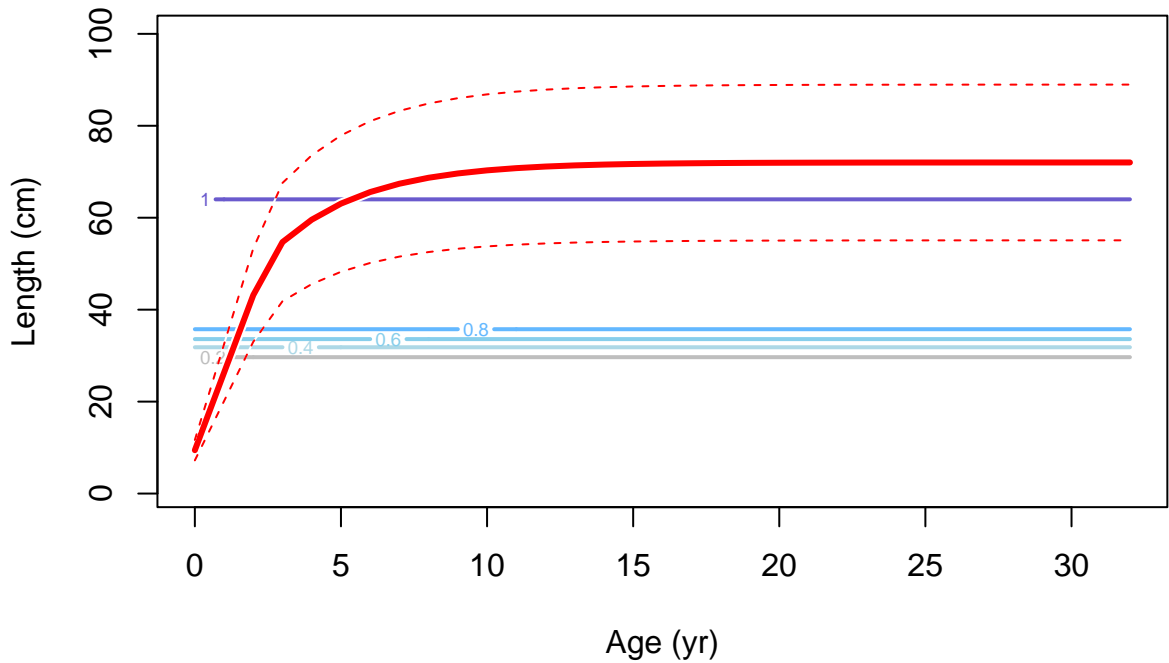
Selectivity



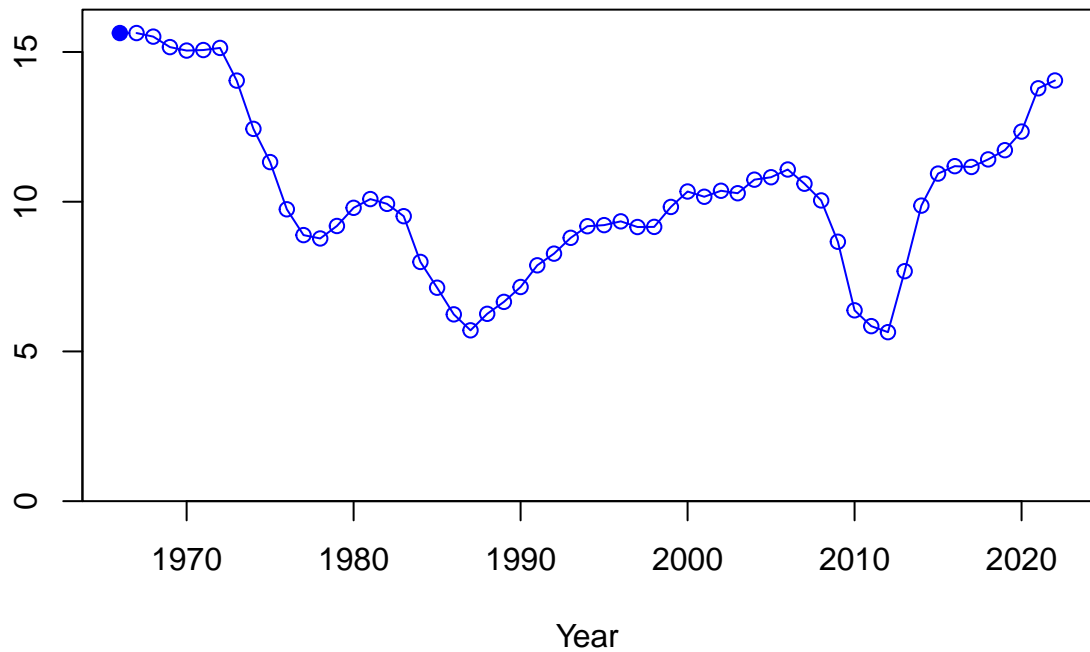
Selectivity



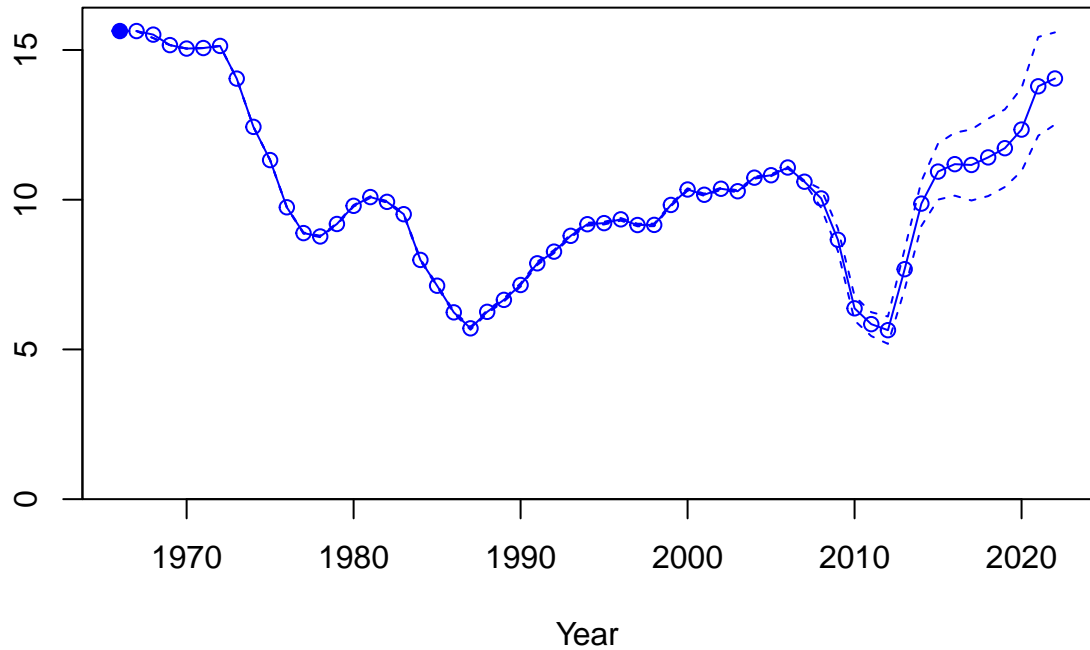




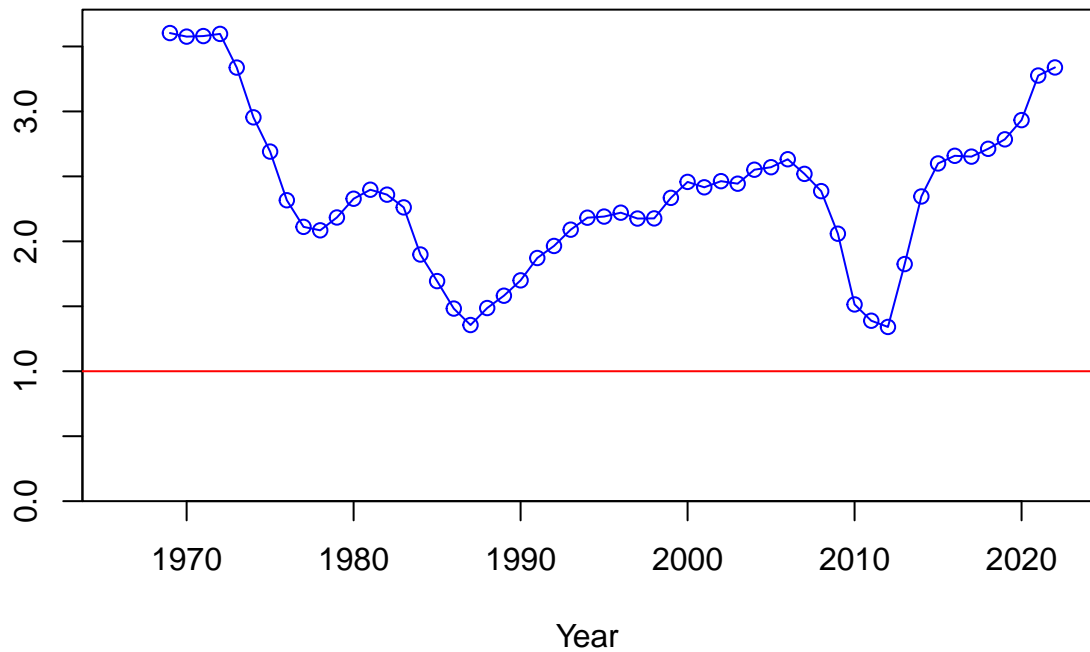
Spawning biomass (mt)



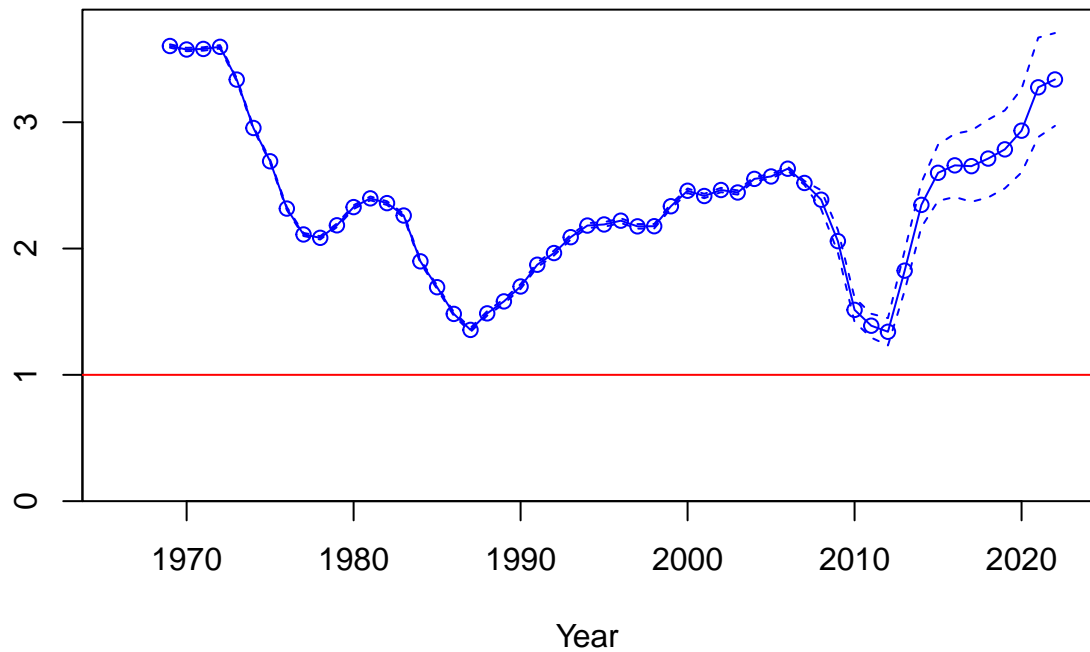
Spawning biomass (mt)

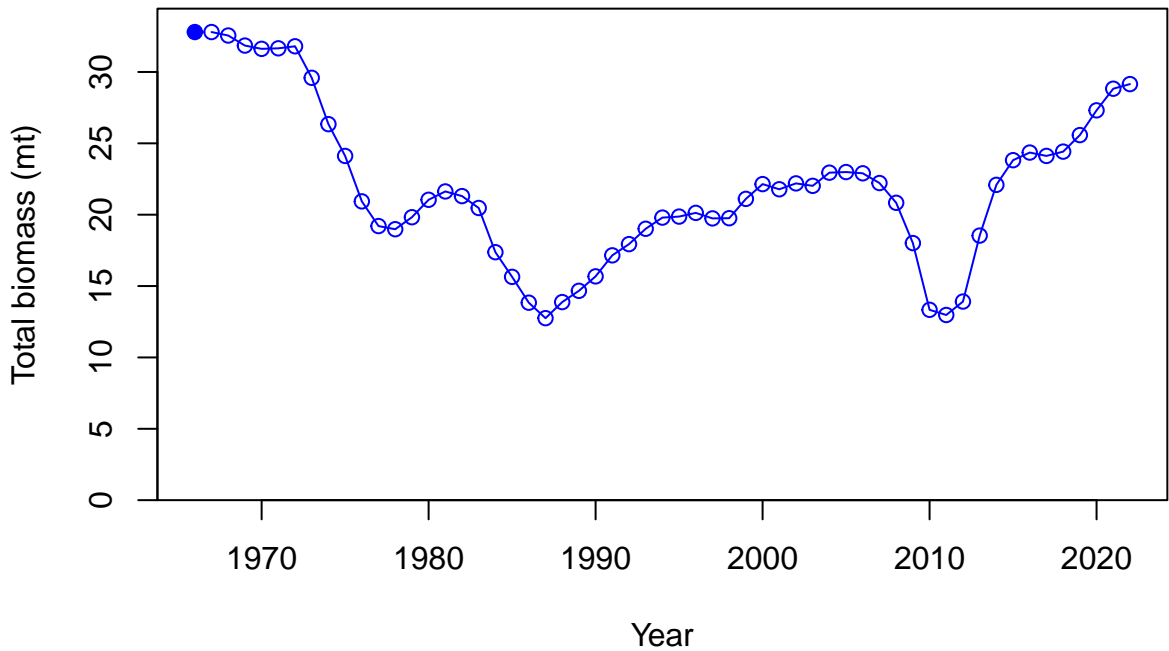


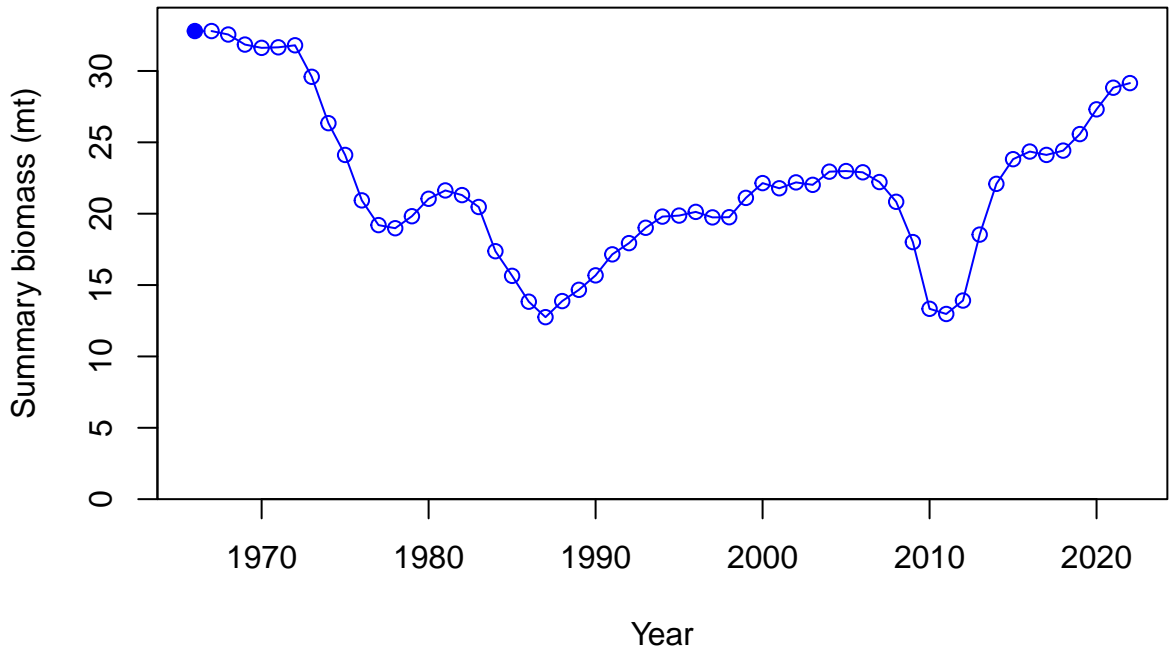
Relative spawning biomass:  $B/B_{MSY}$



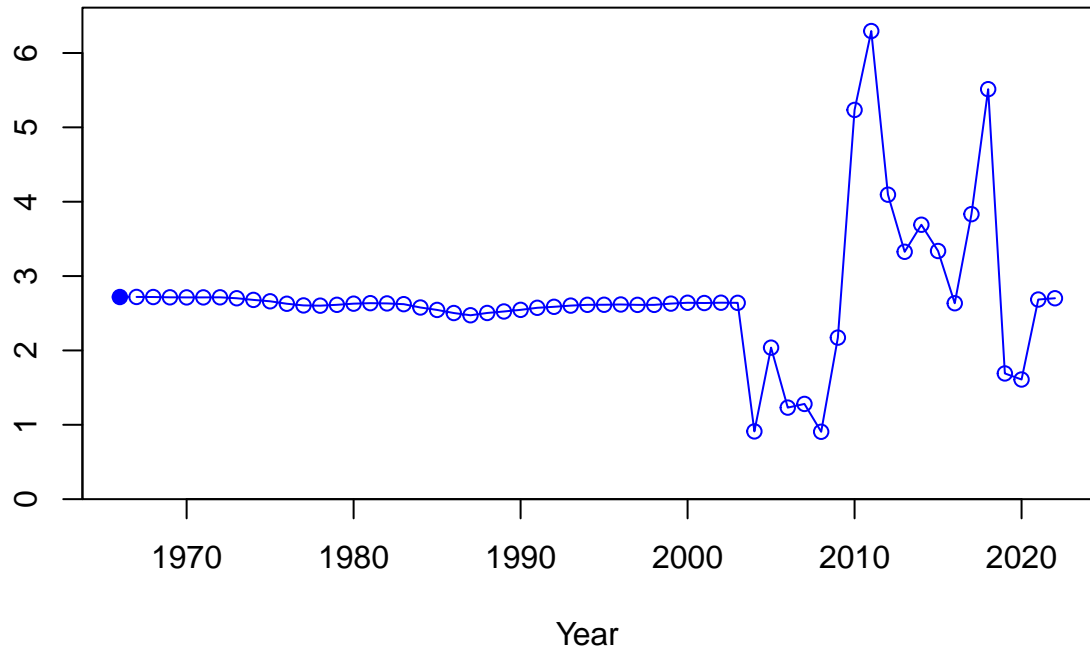
Relative spawning biomass:  $B/B_{MSY}$





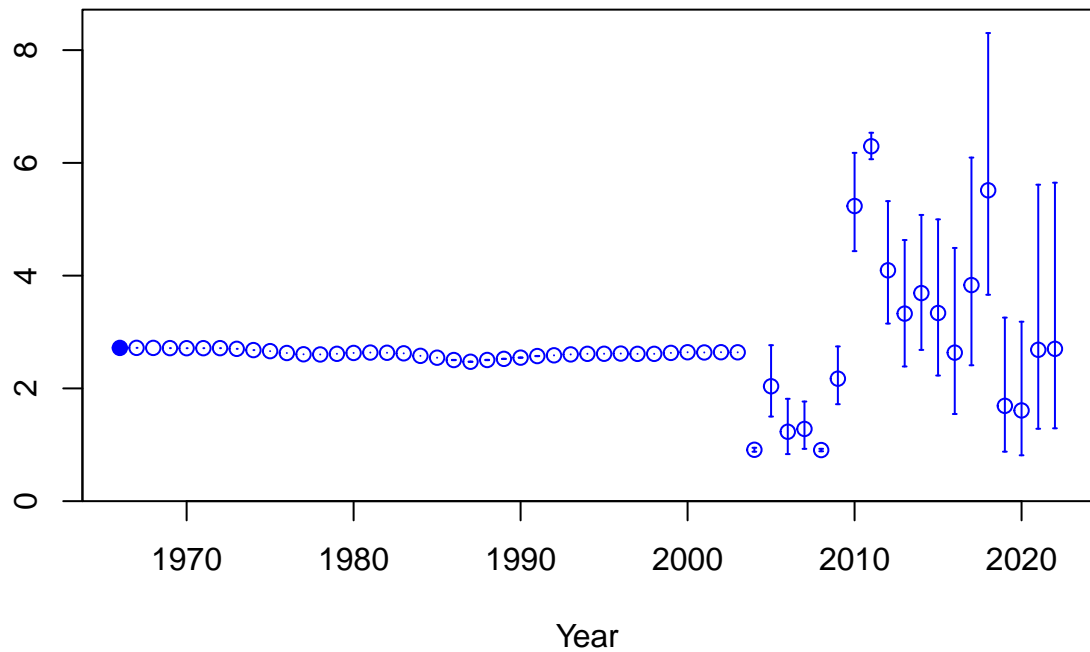


Age-0 recruits (1,000s)

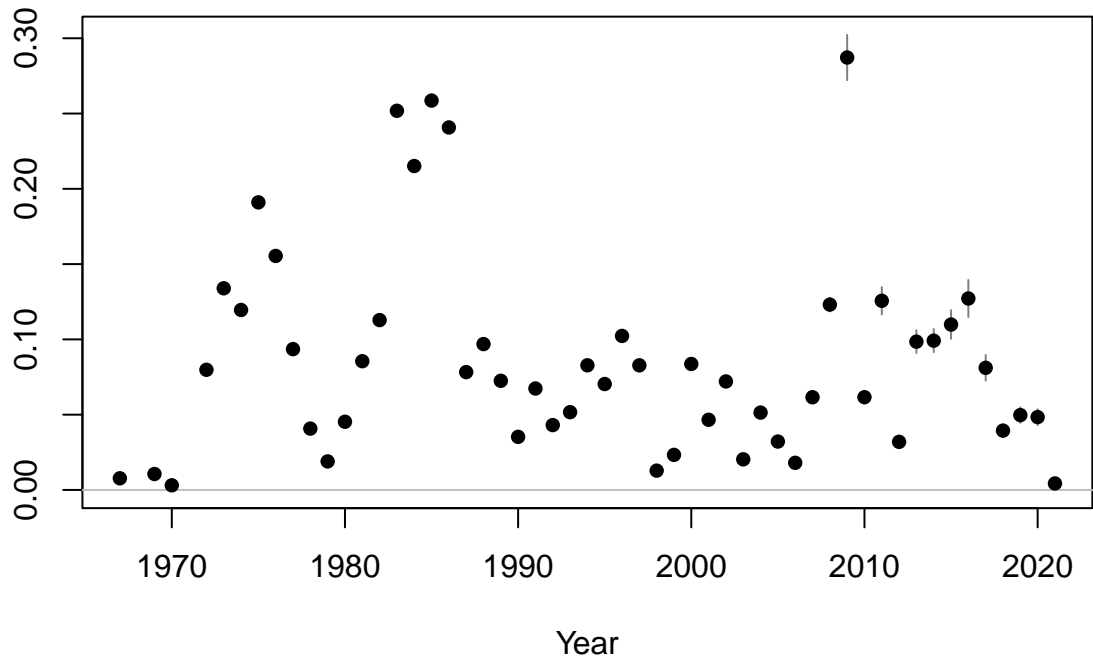


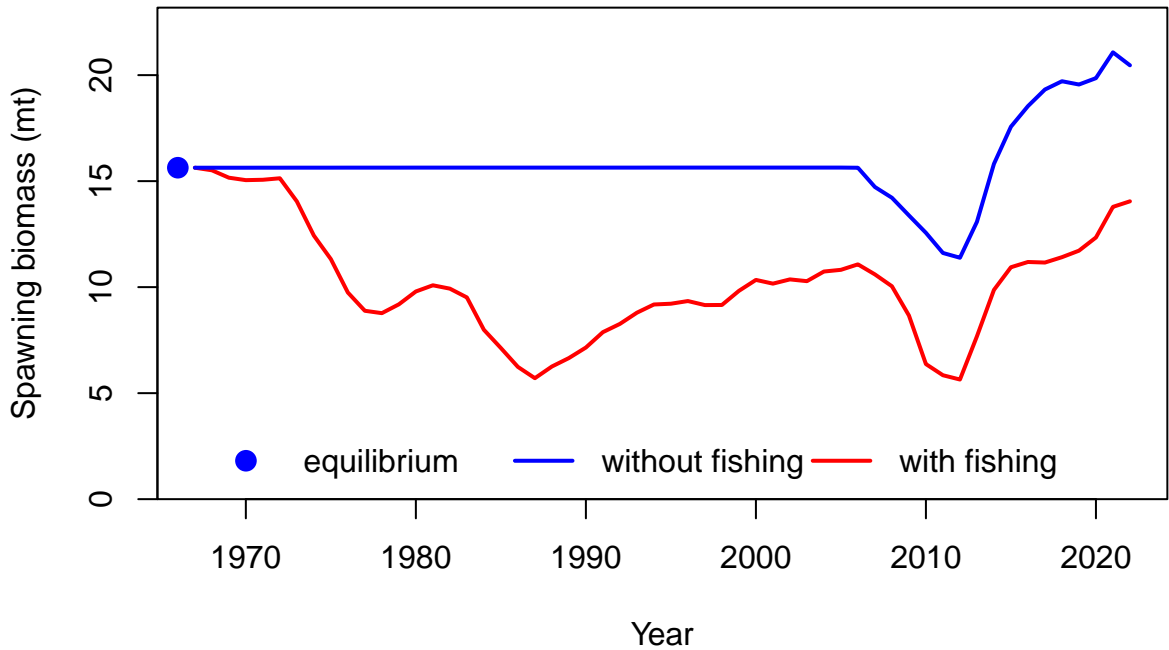


Age-0 recruits (1,000s)

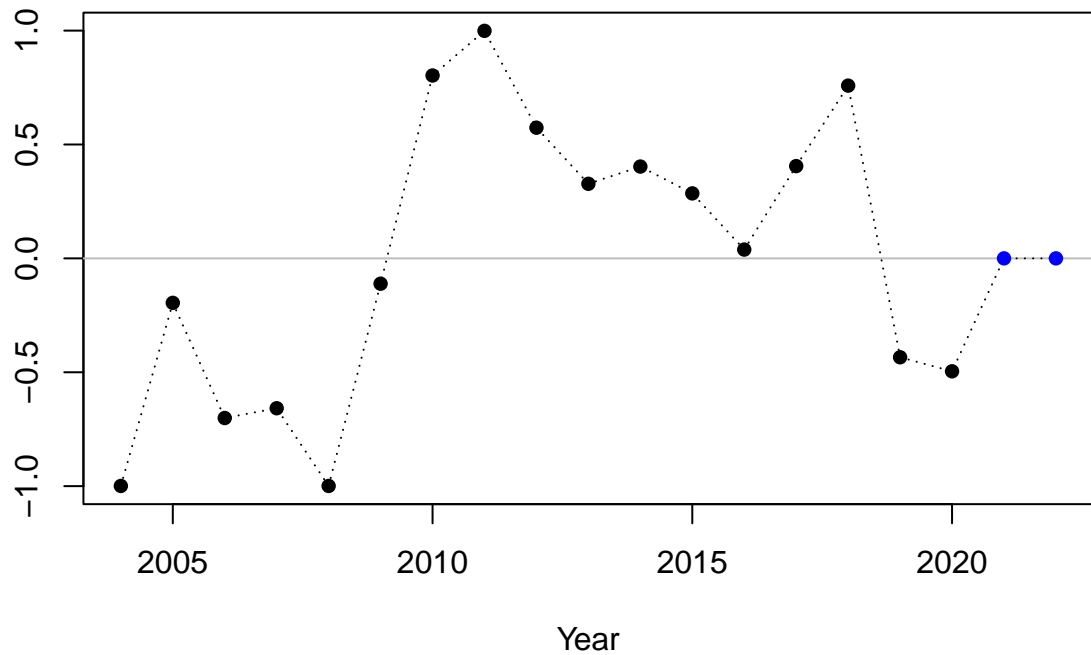


Summary Fishing Mortality

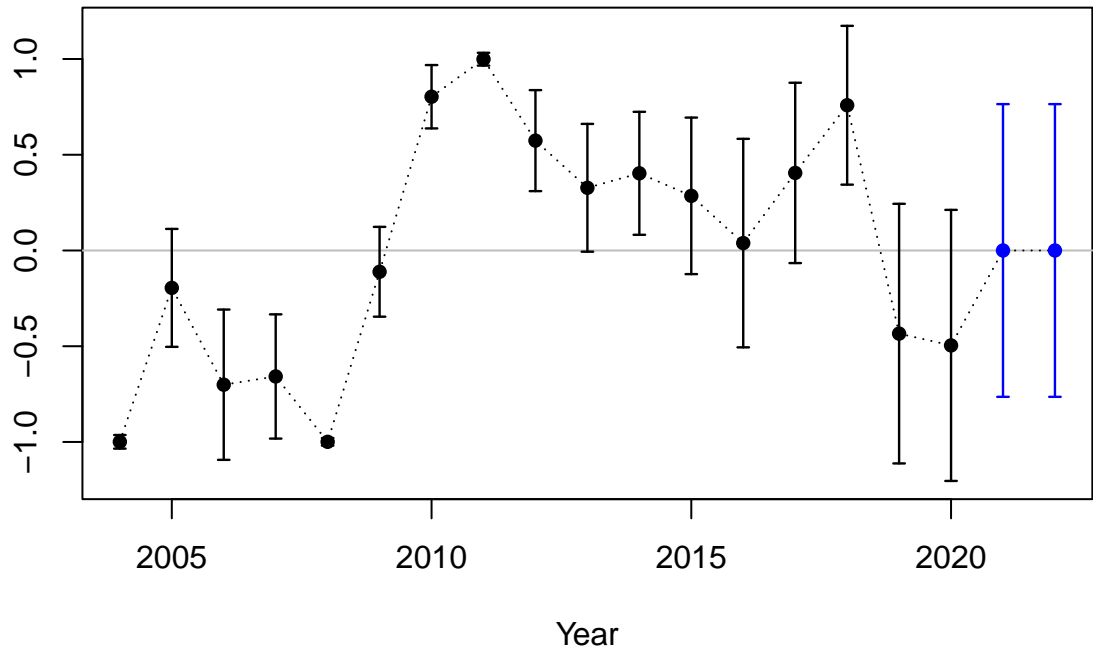




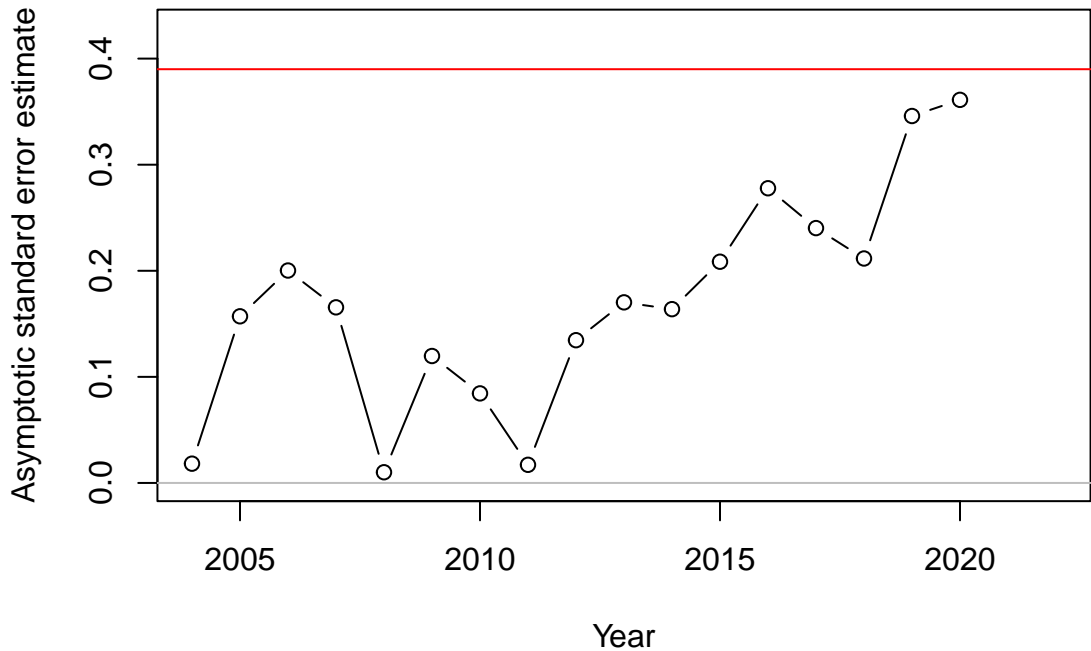
Log recruitment deviation

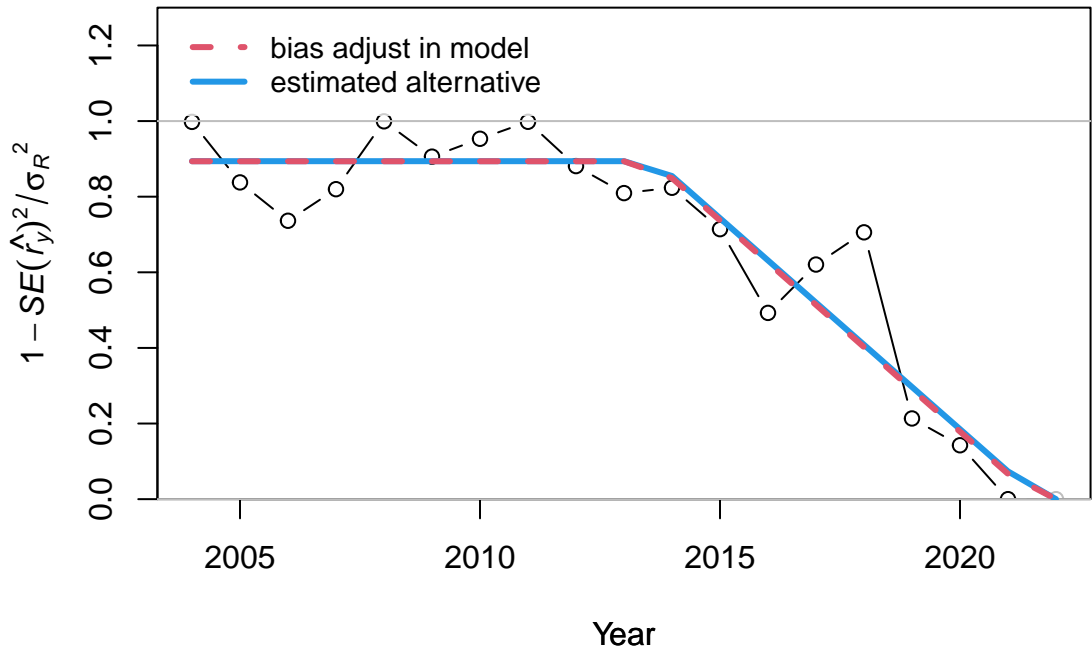


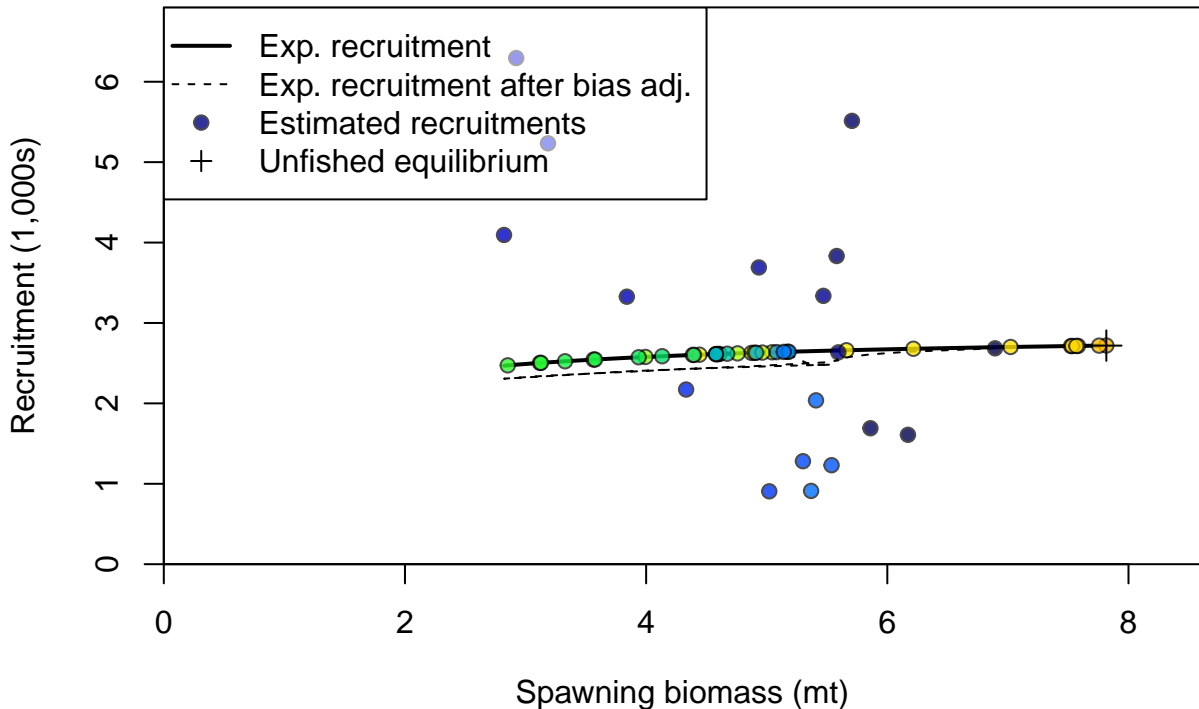
Log recruitment deviation



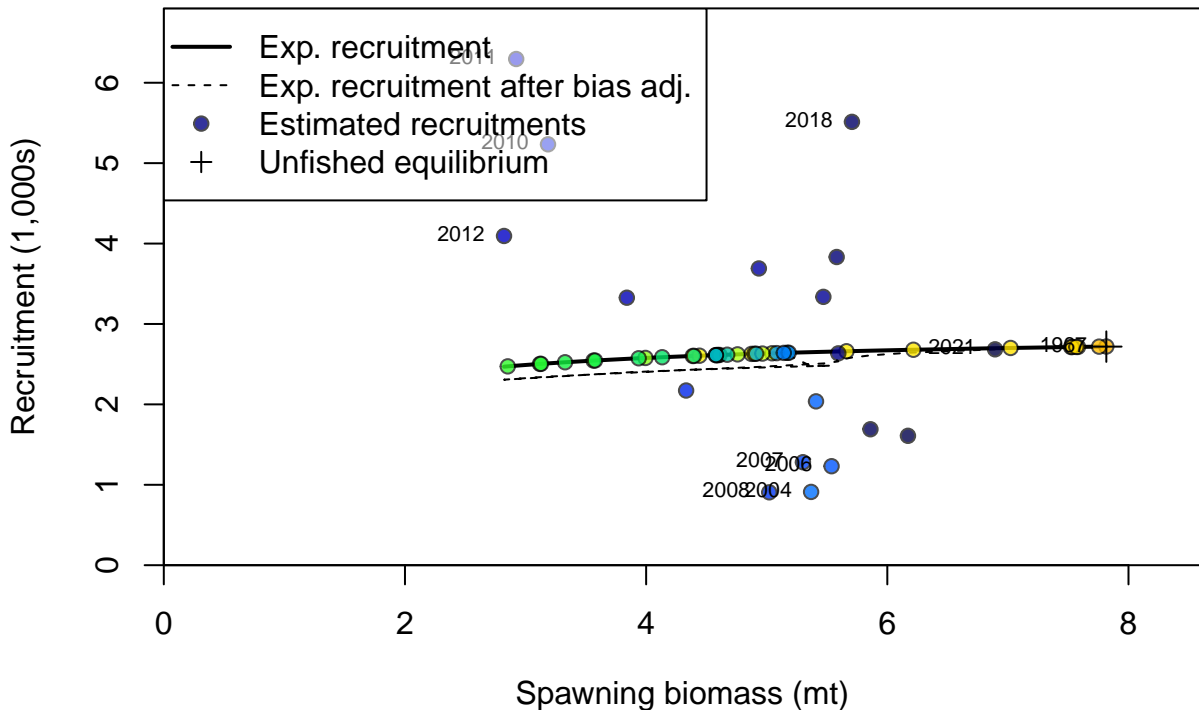
**Recruitment deviation variance**



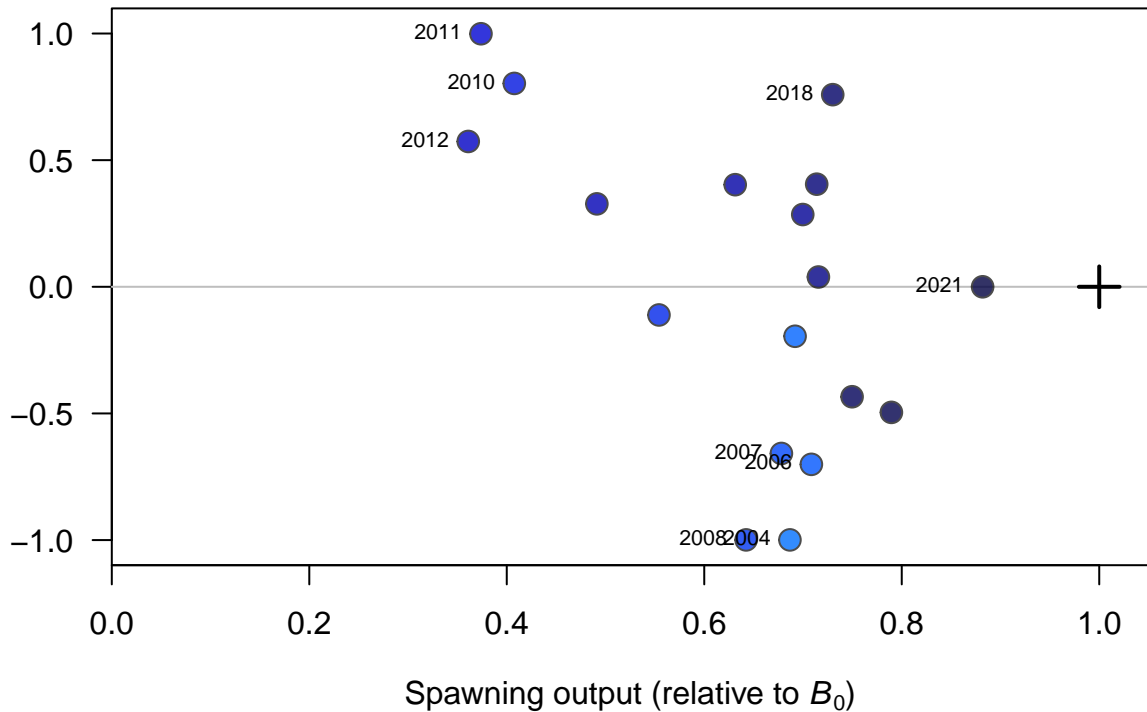


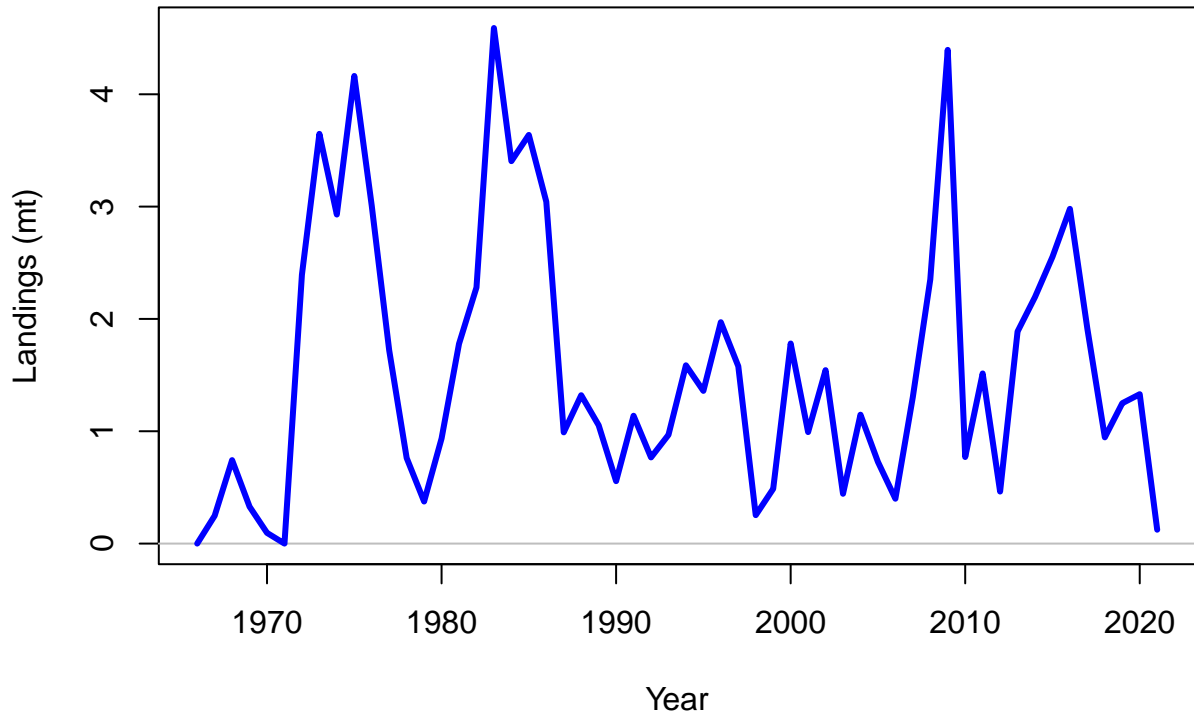


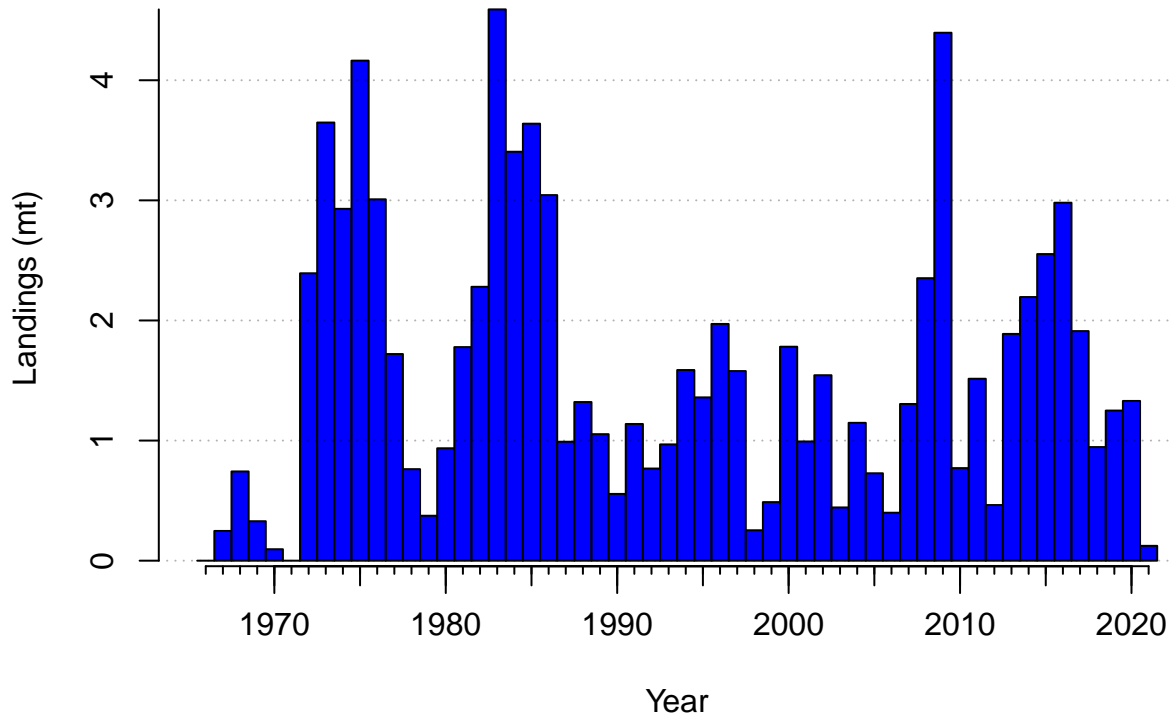


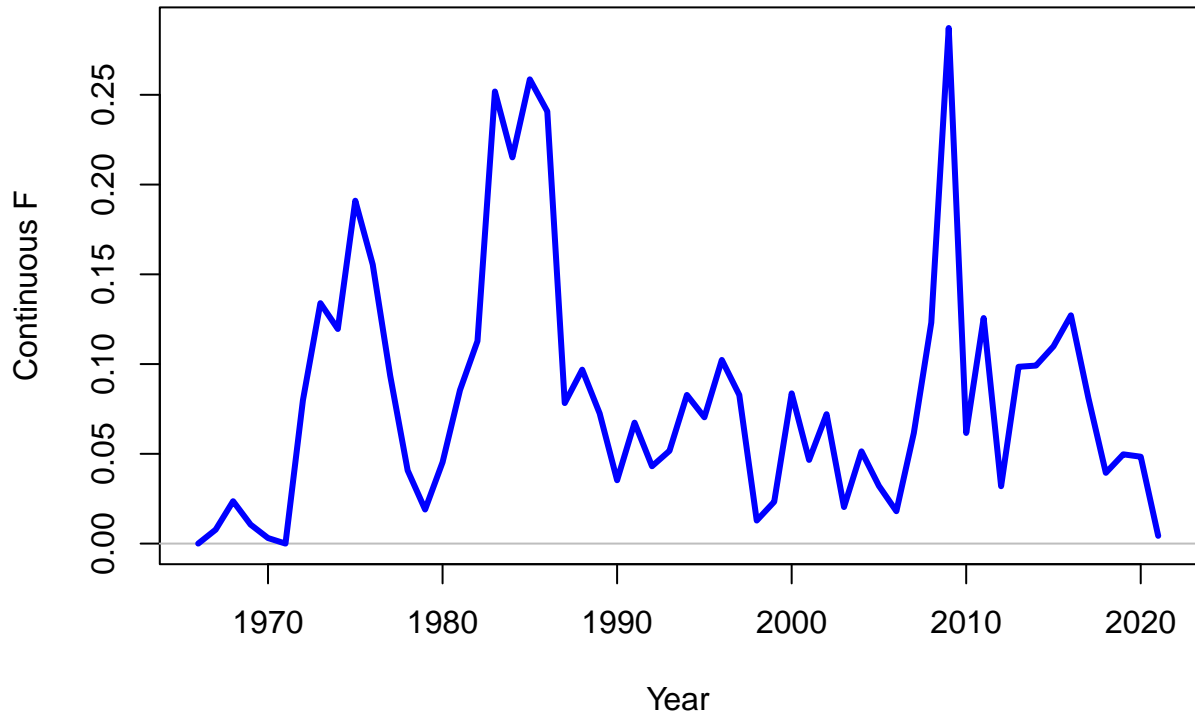


Log recruitment deviation

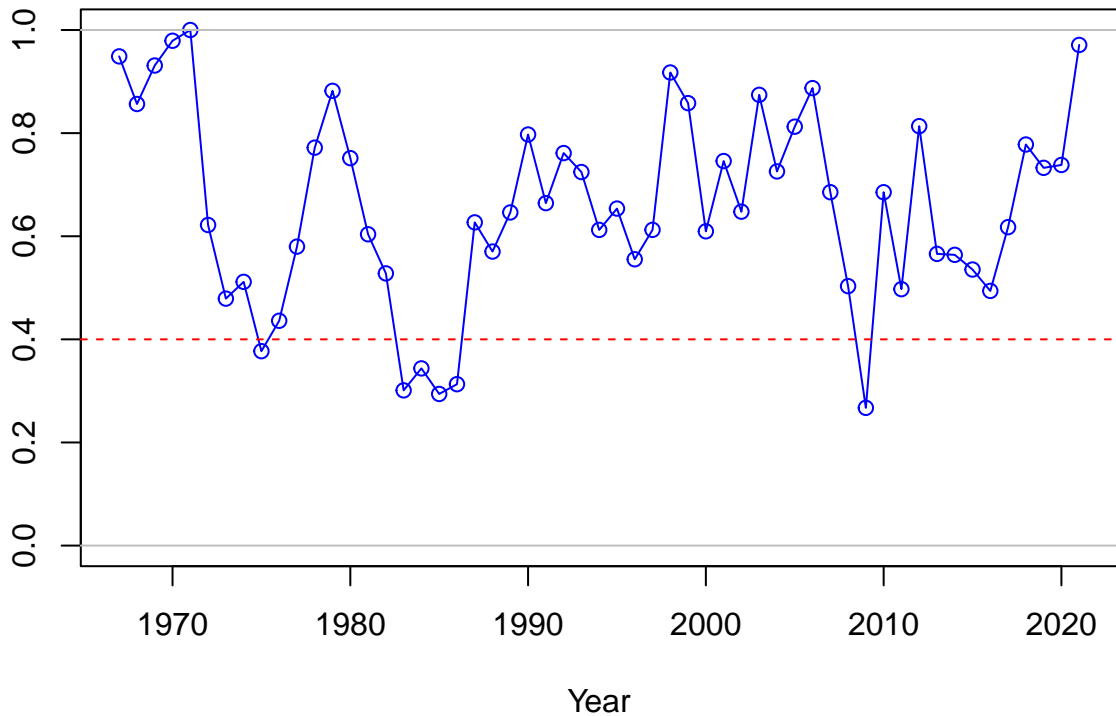


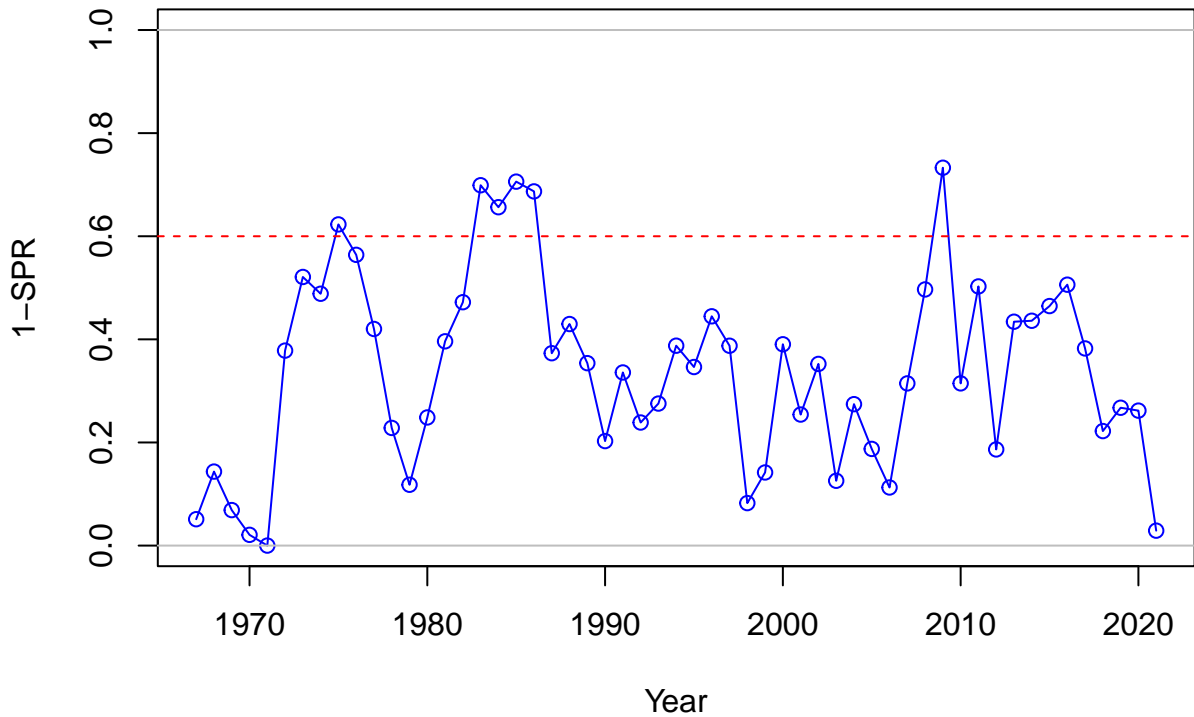




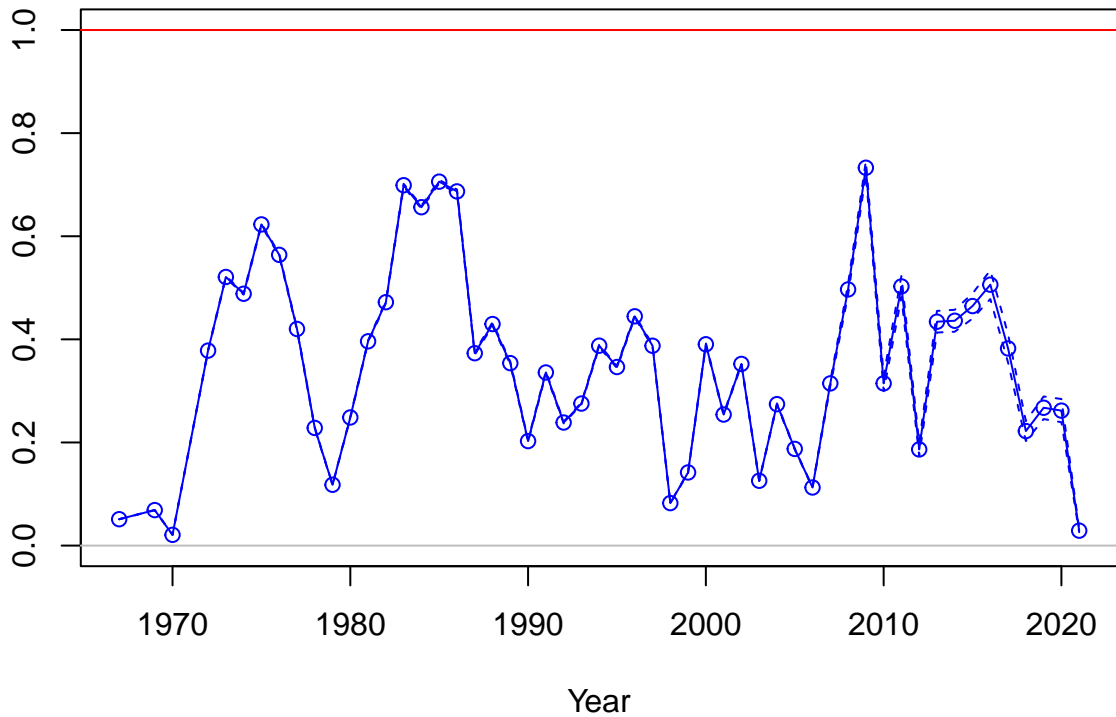


SPR



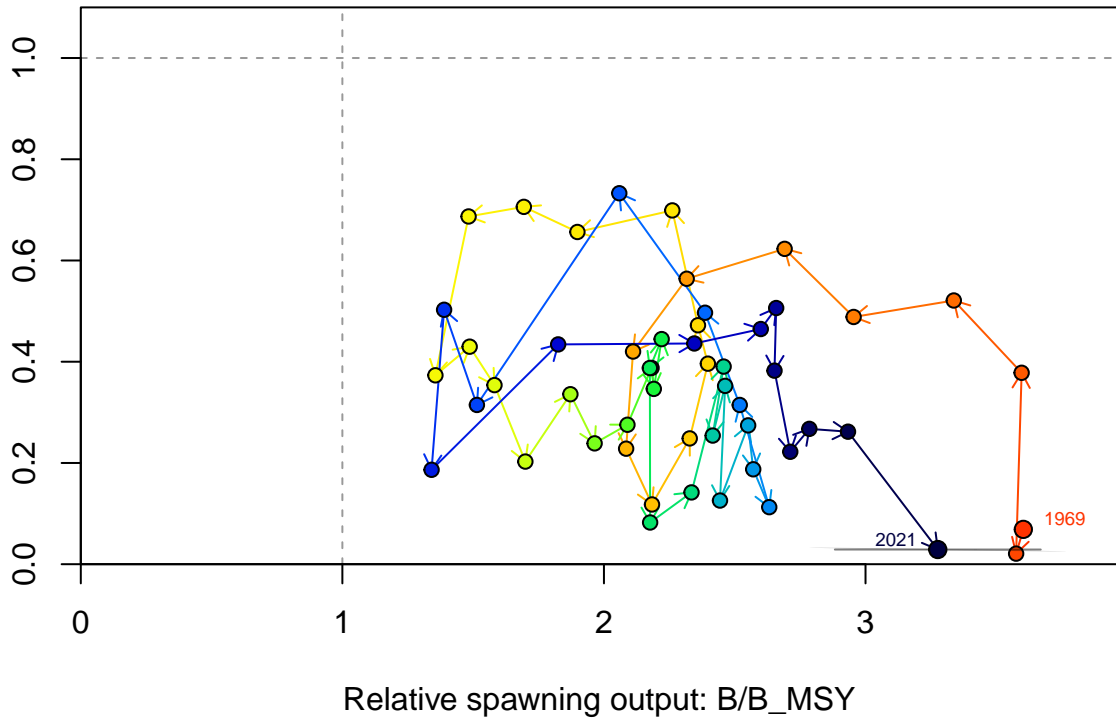


Fishing intensity: 1-SPR

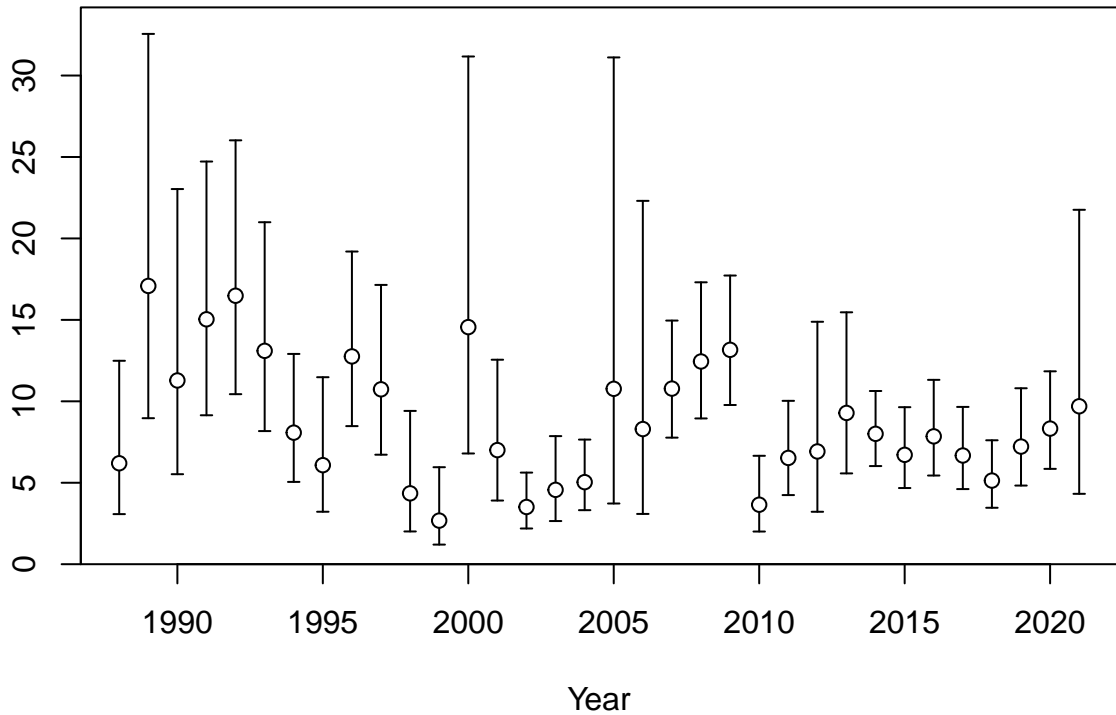




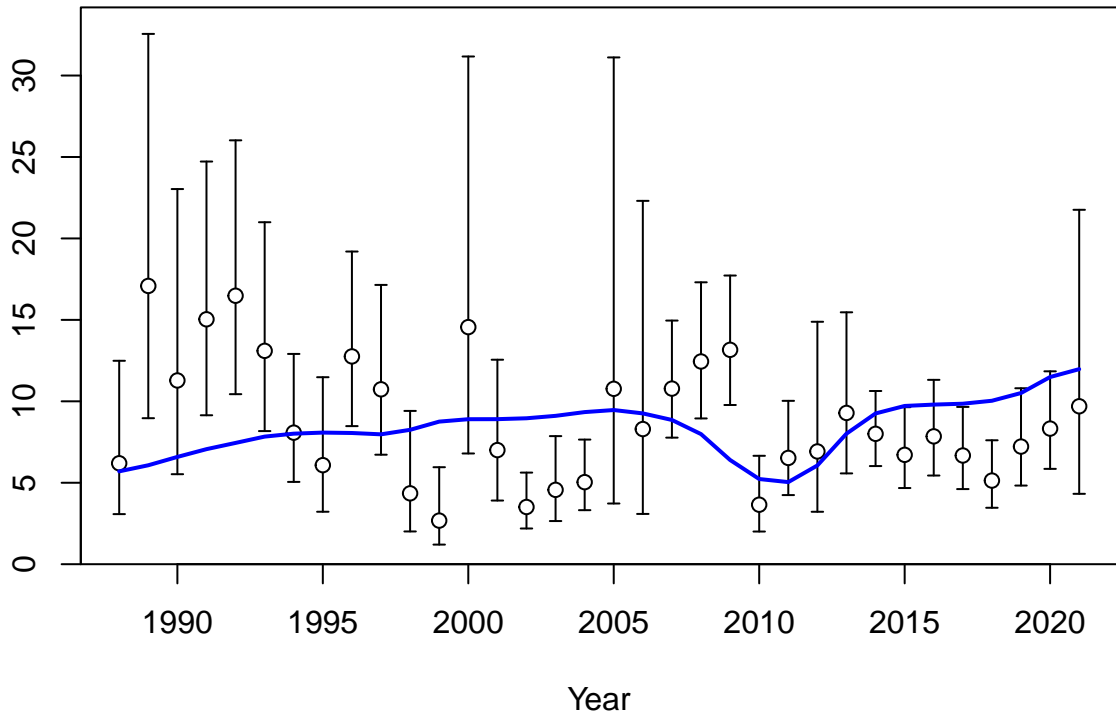
Fishing intensity: 1-SPR

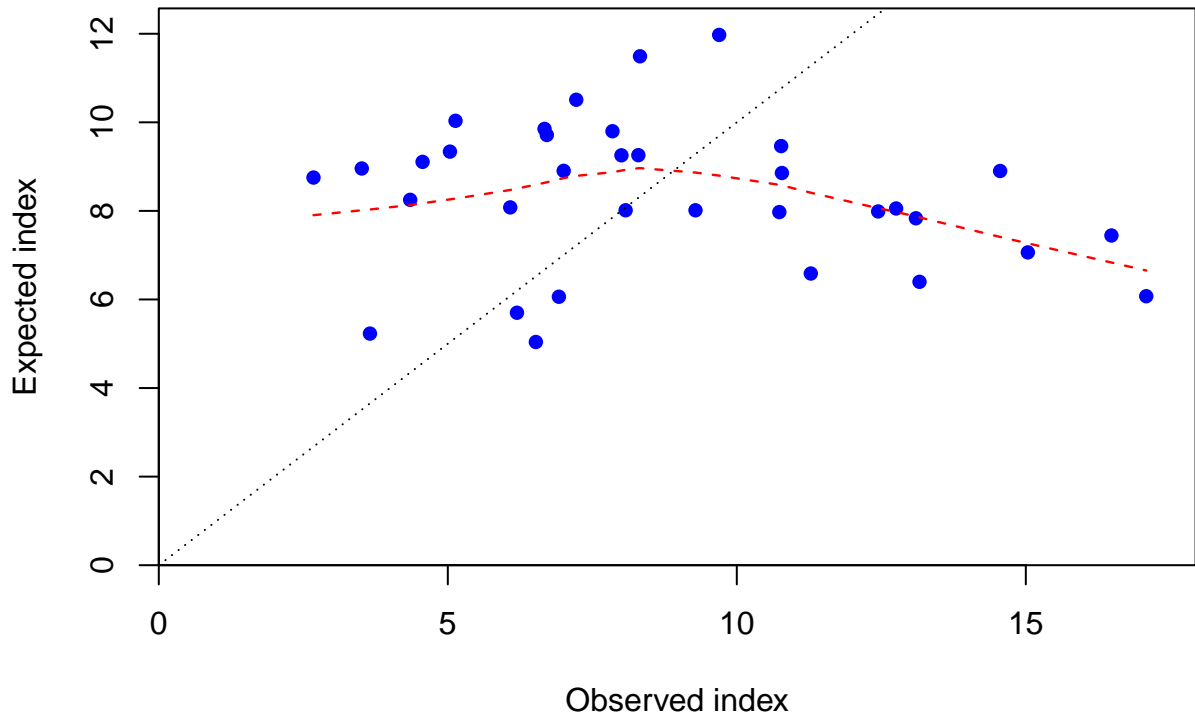


Index

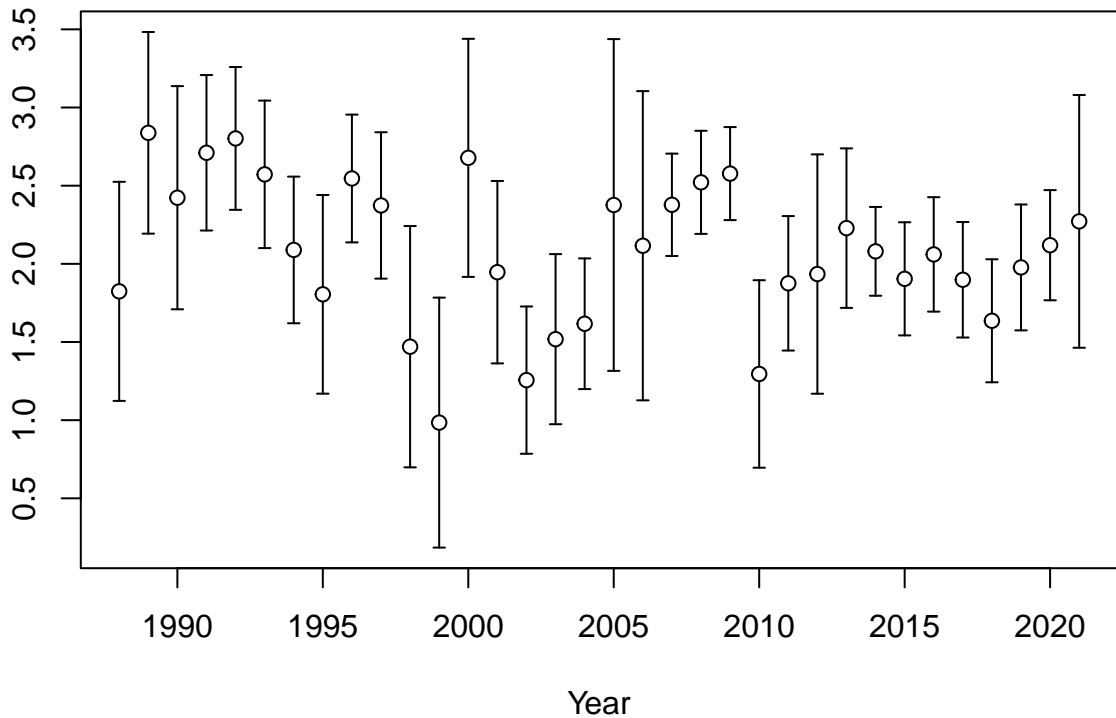


Index

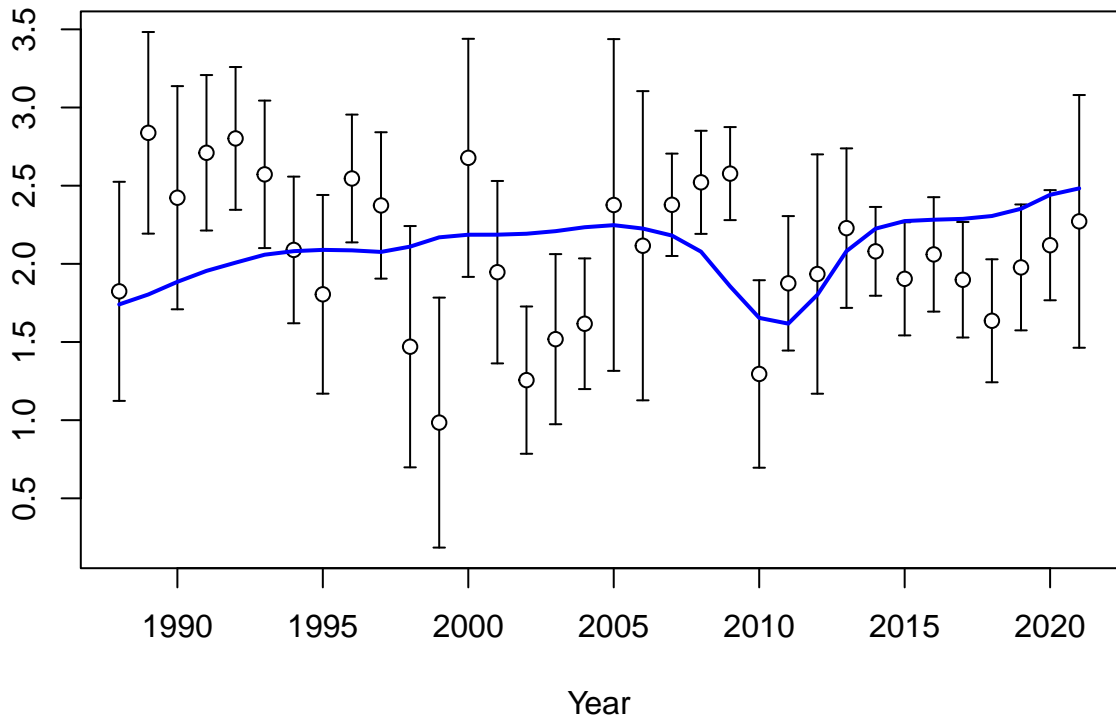


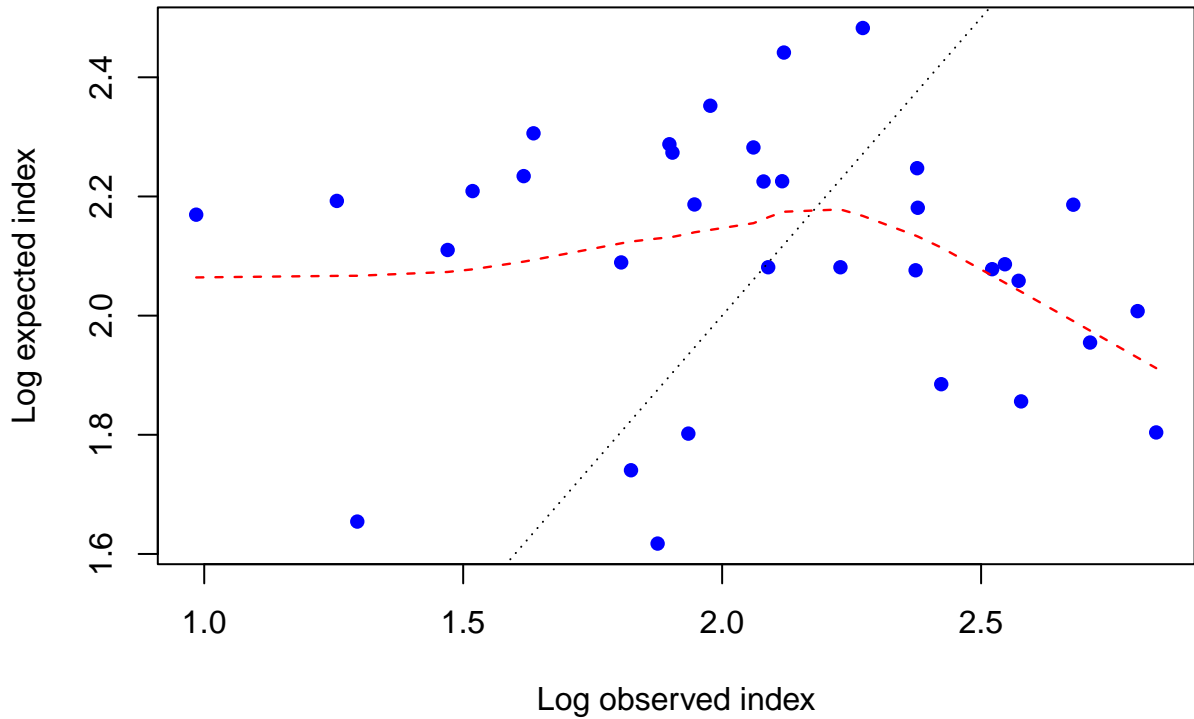


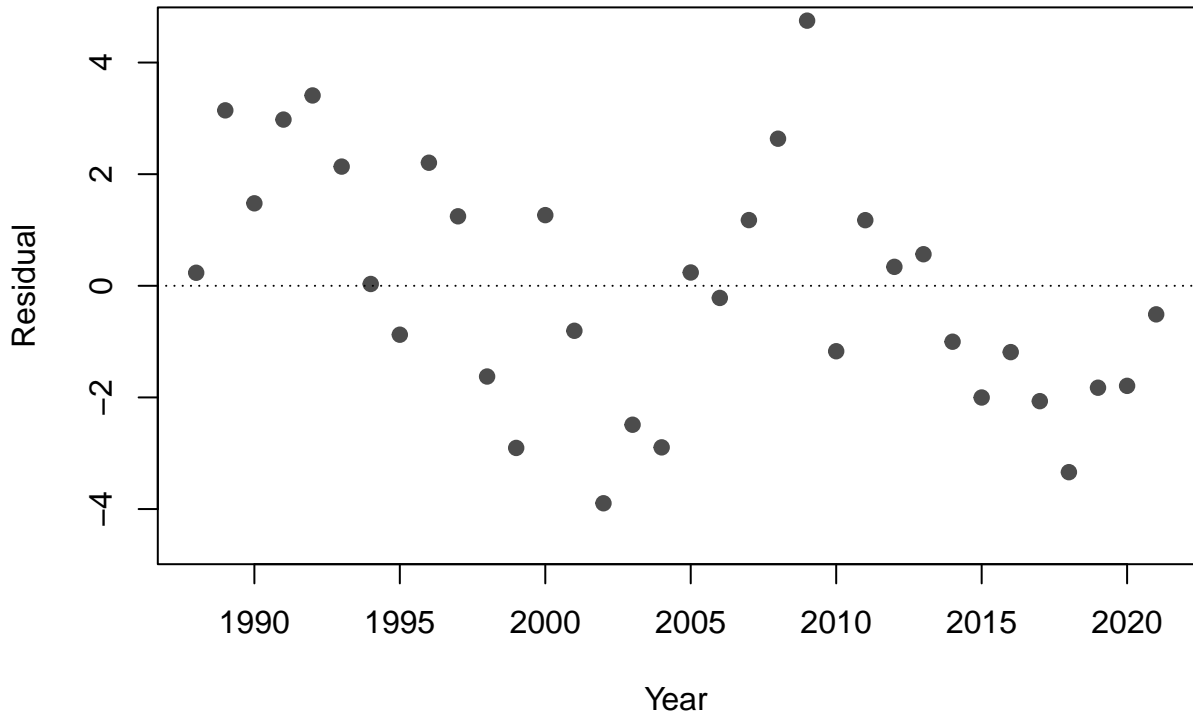
Log index



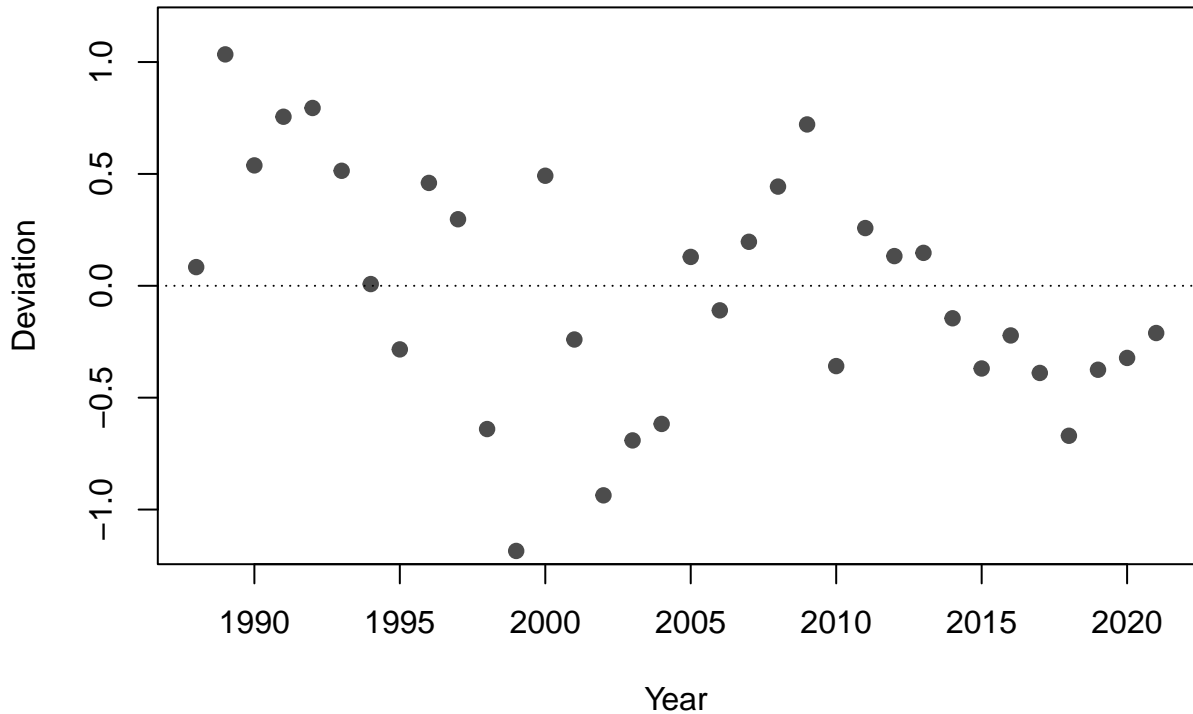
Log index



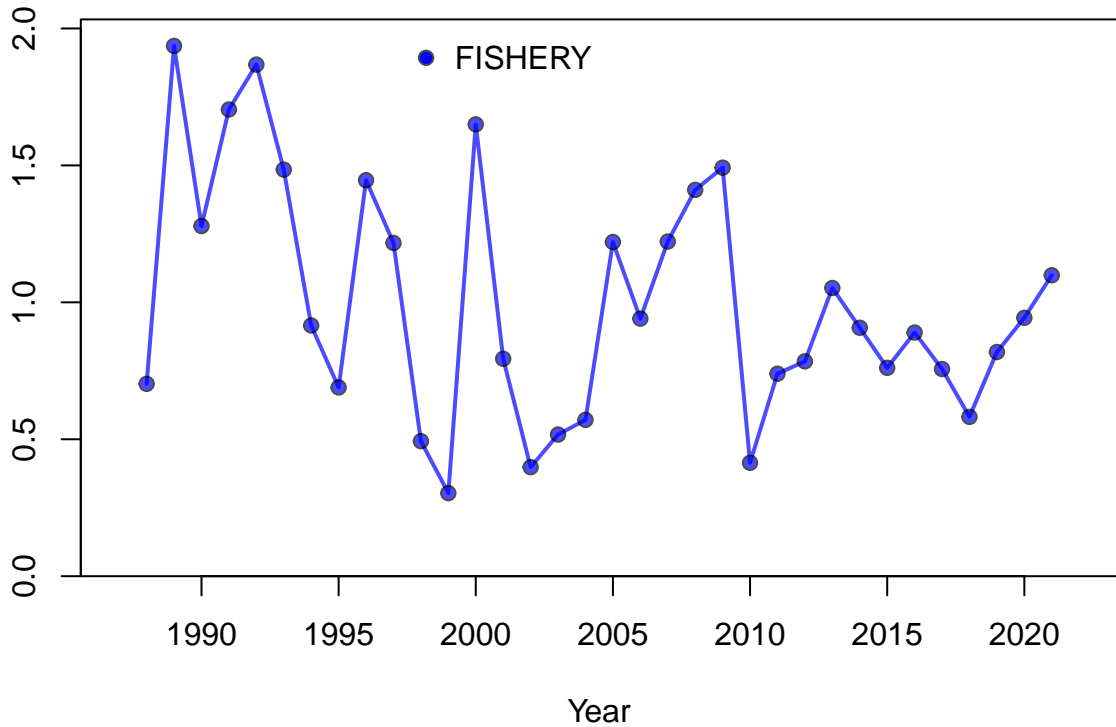


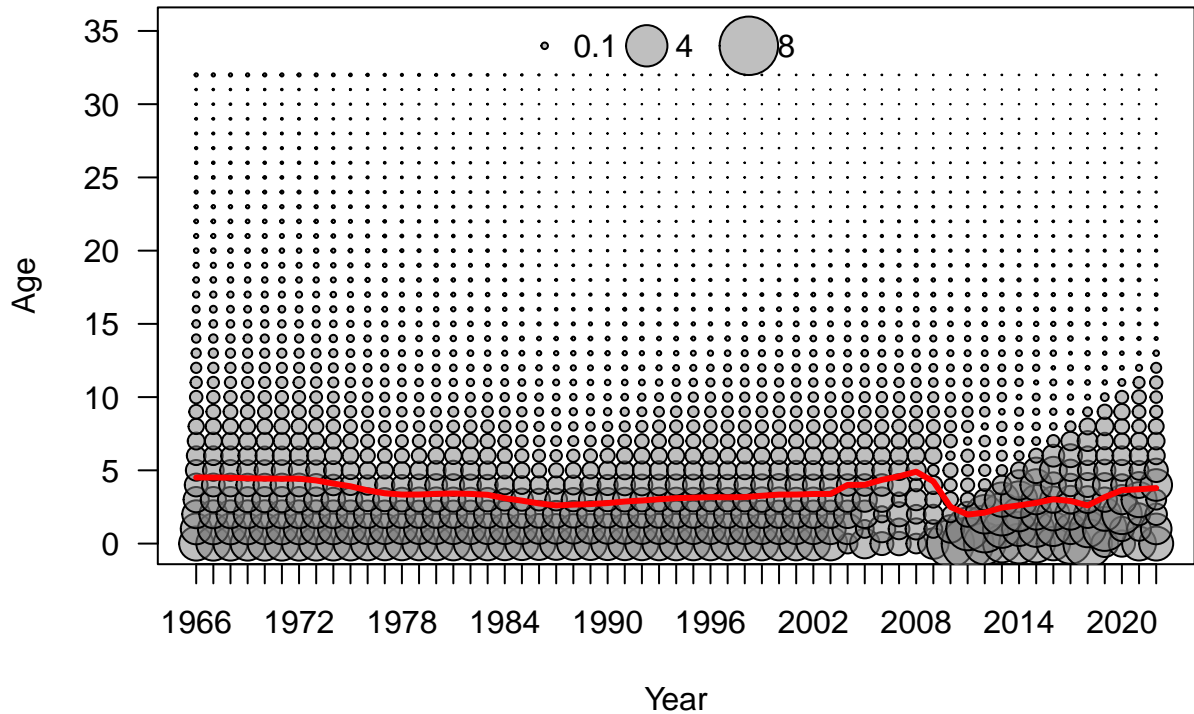


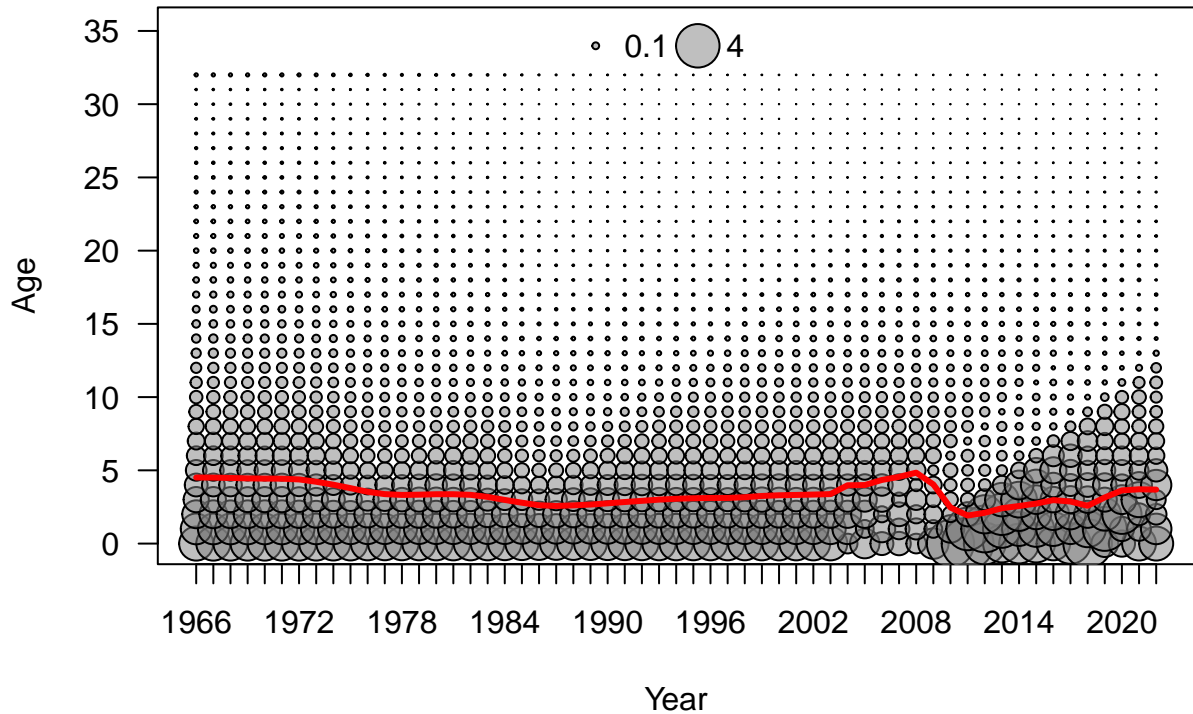


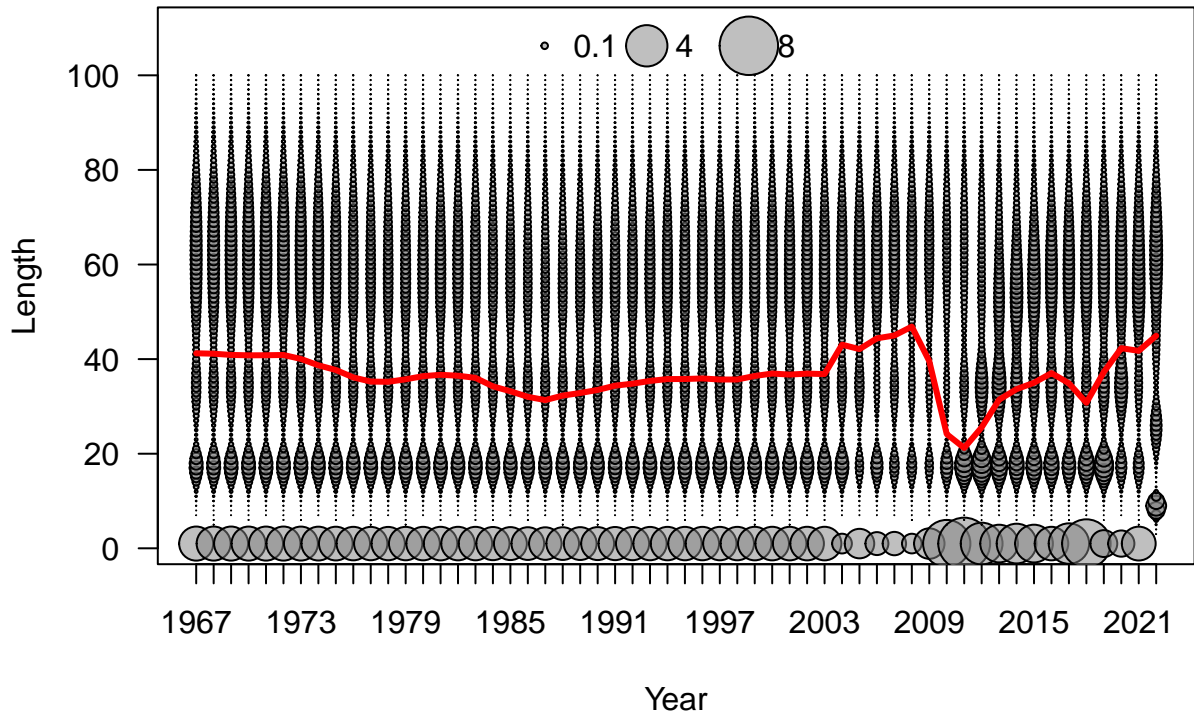


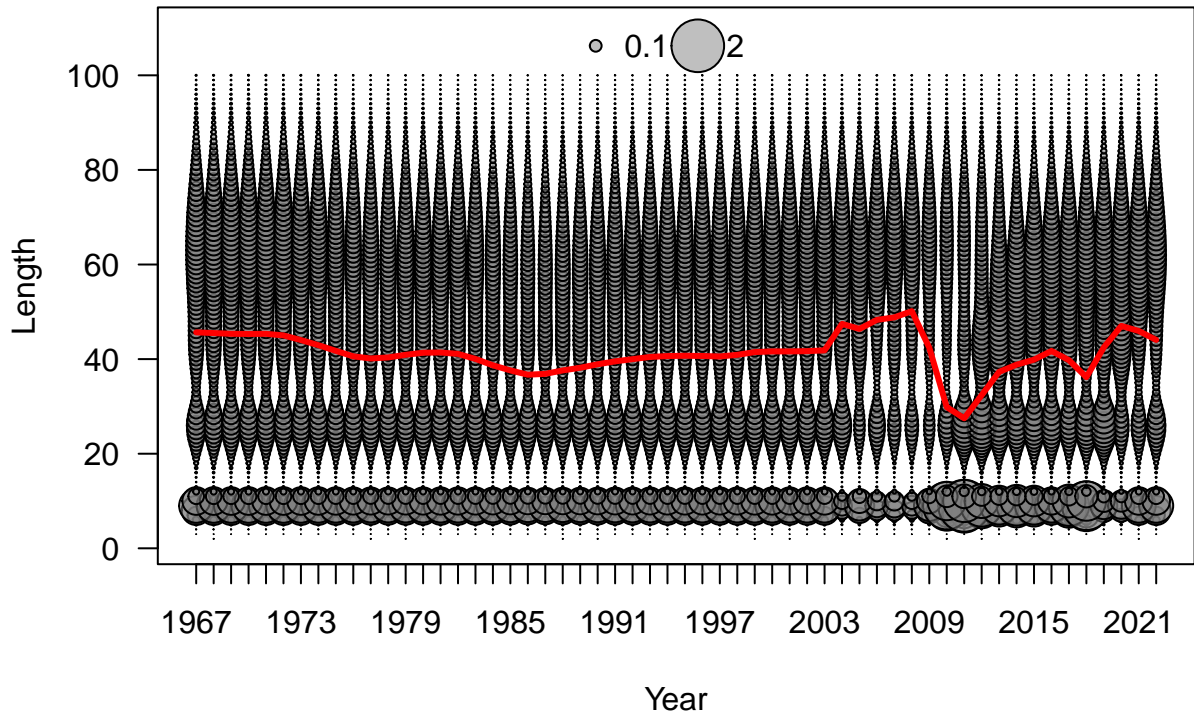
Standardized index

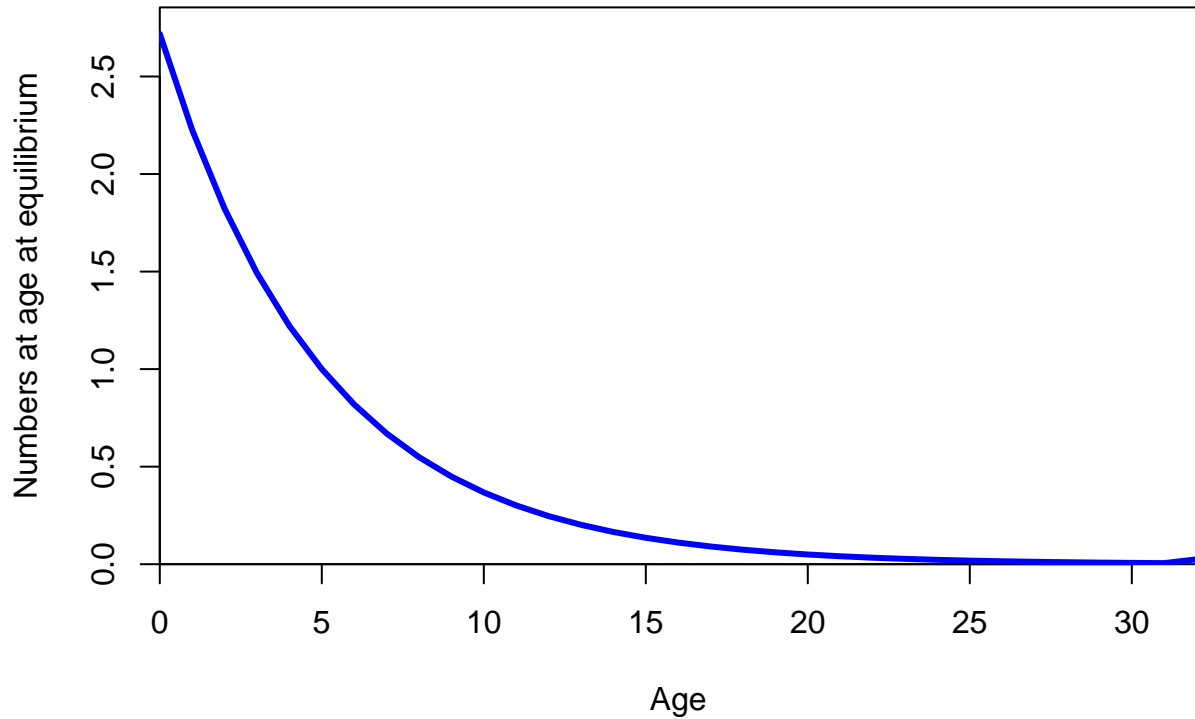


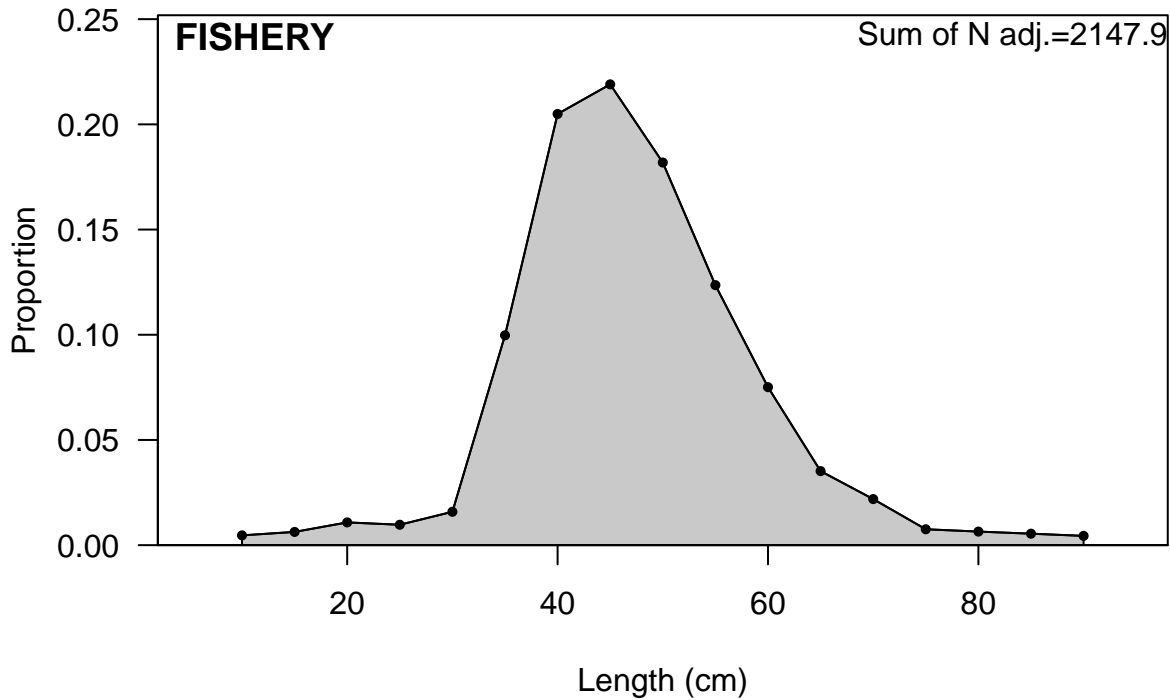








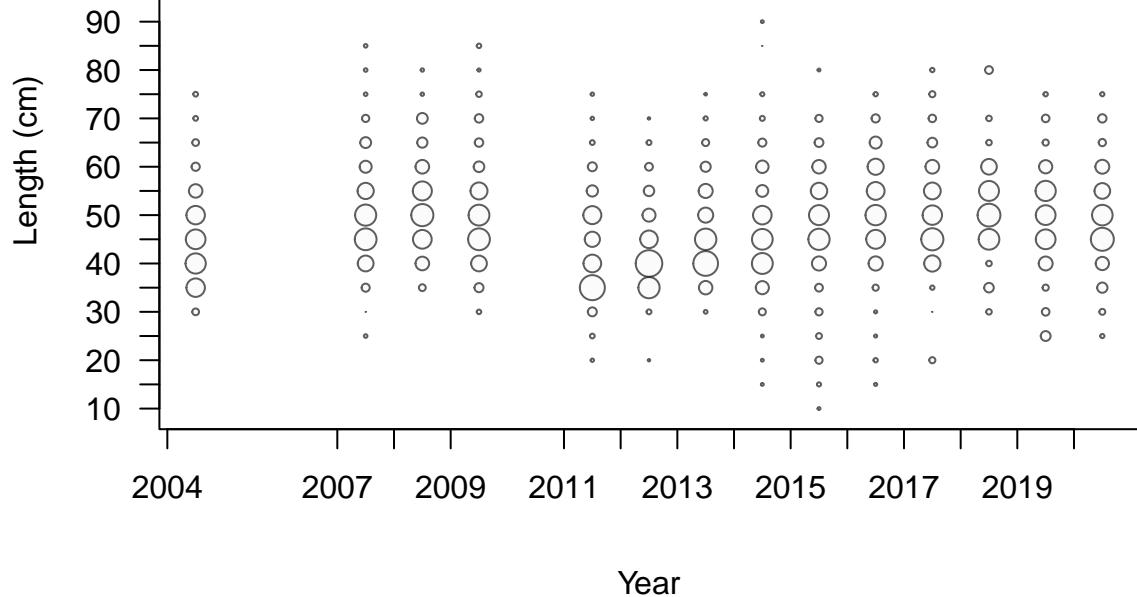




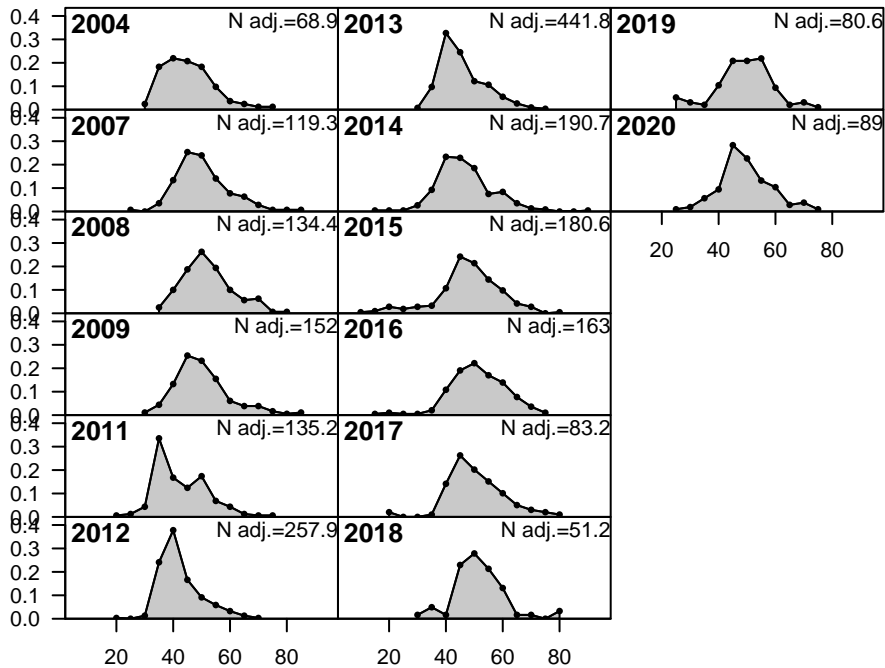


# FISHERY

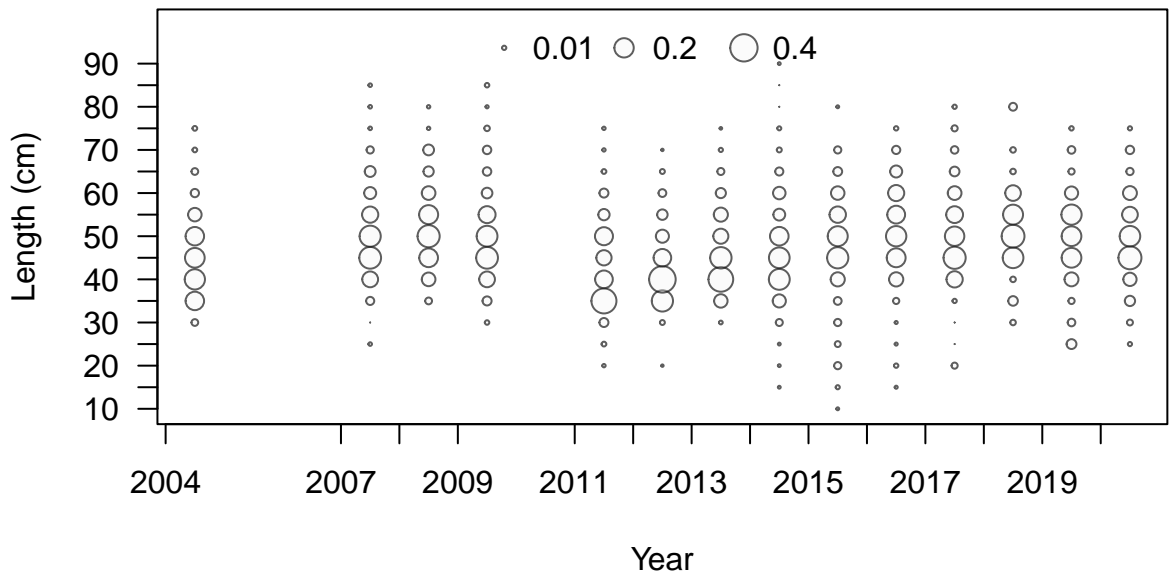
• 0.01 ○ 0.2 ○ 0.4



Proportion



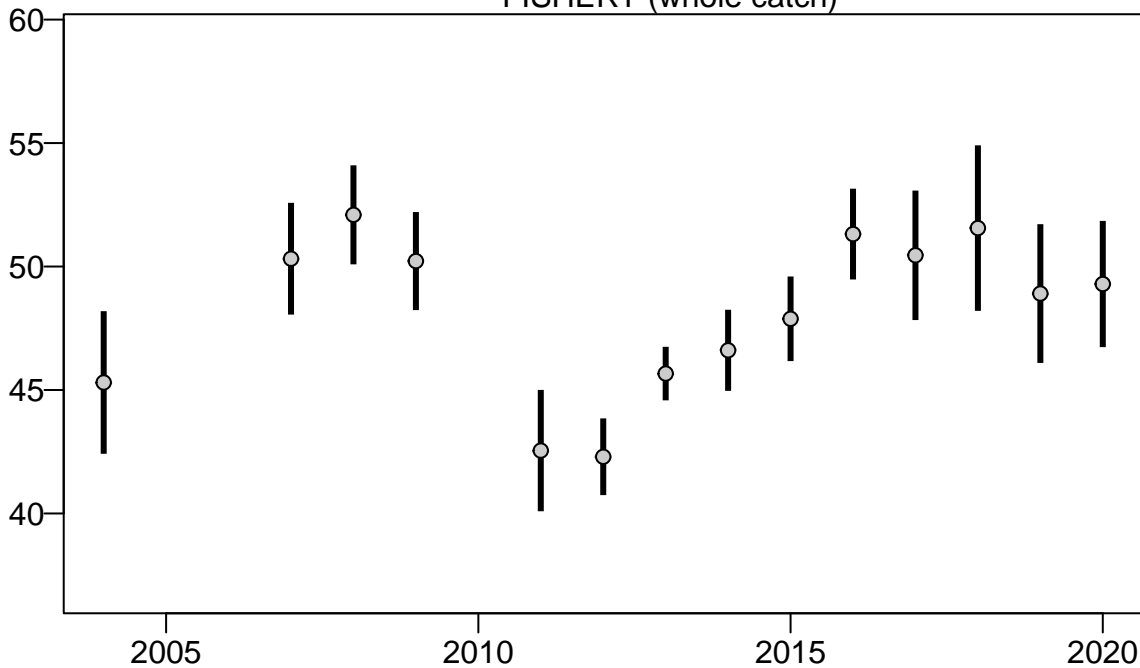
Length (cm)

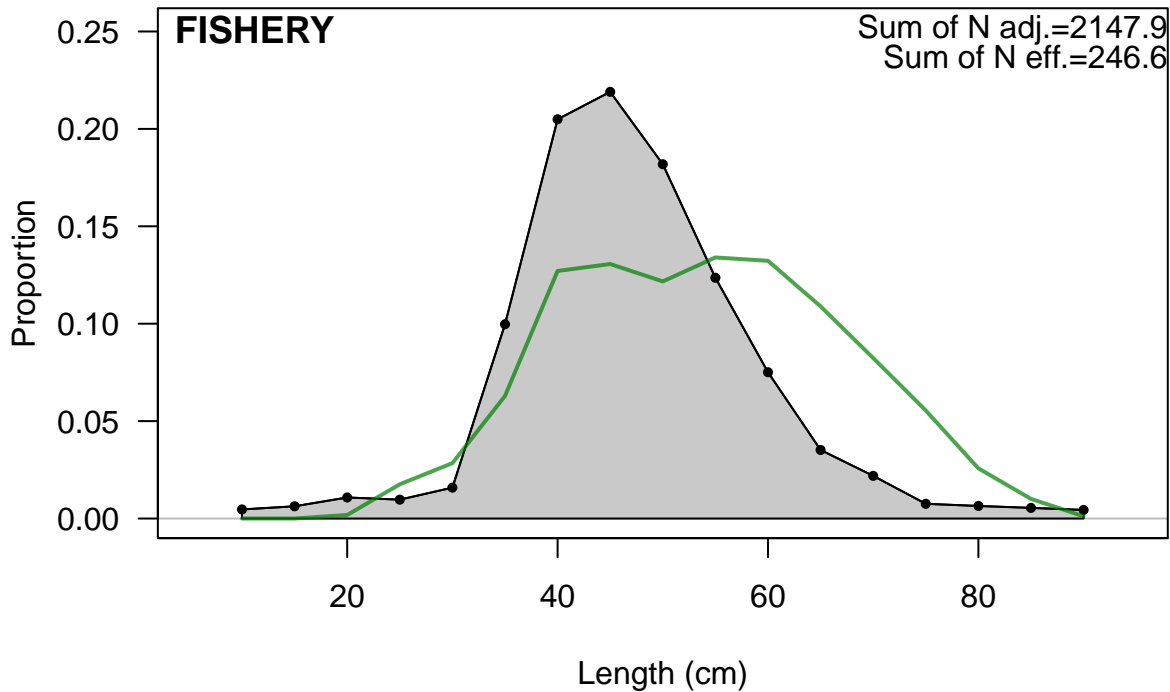


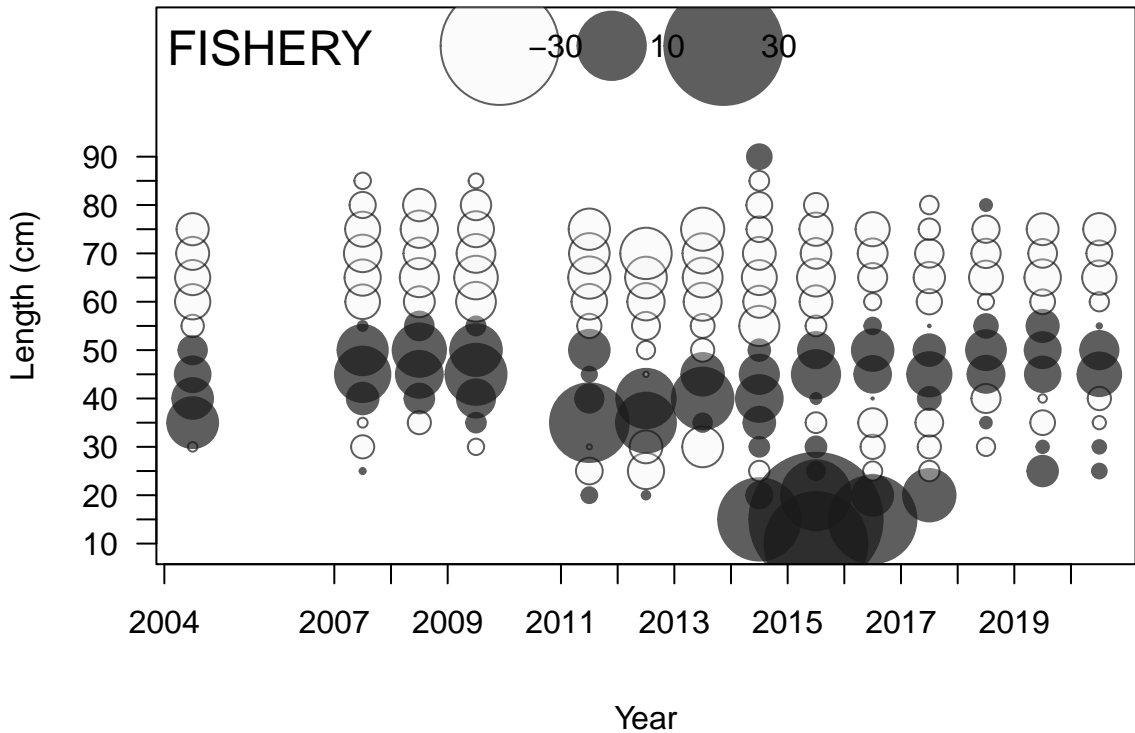
FISHERY (whole catch)

Mean length

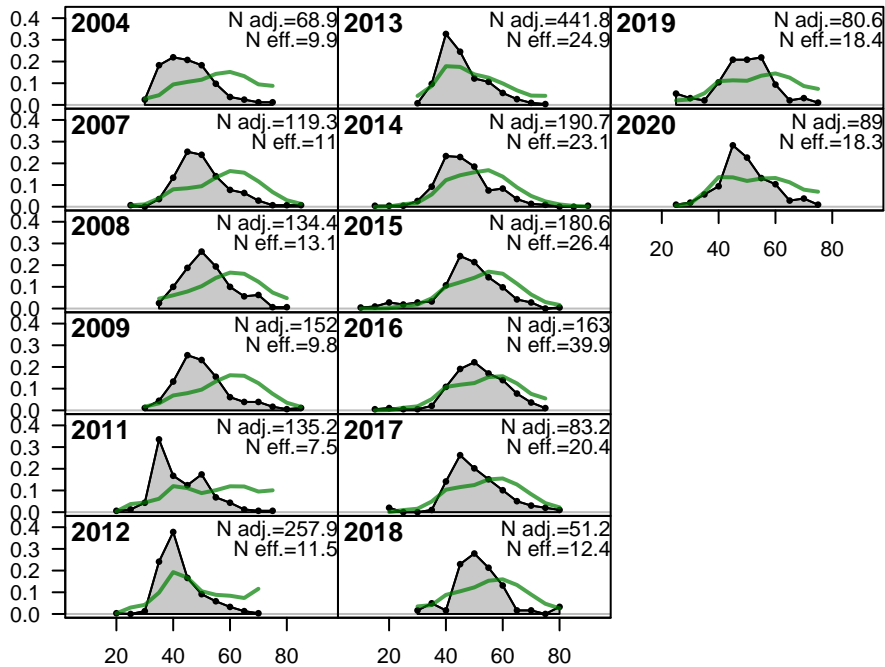
Year



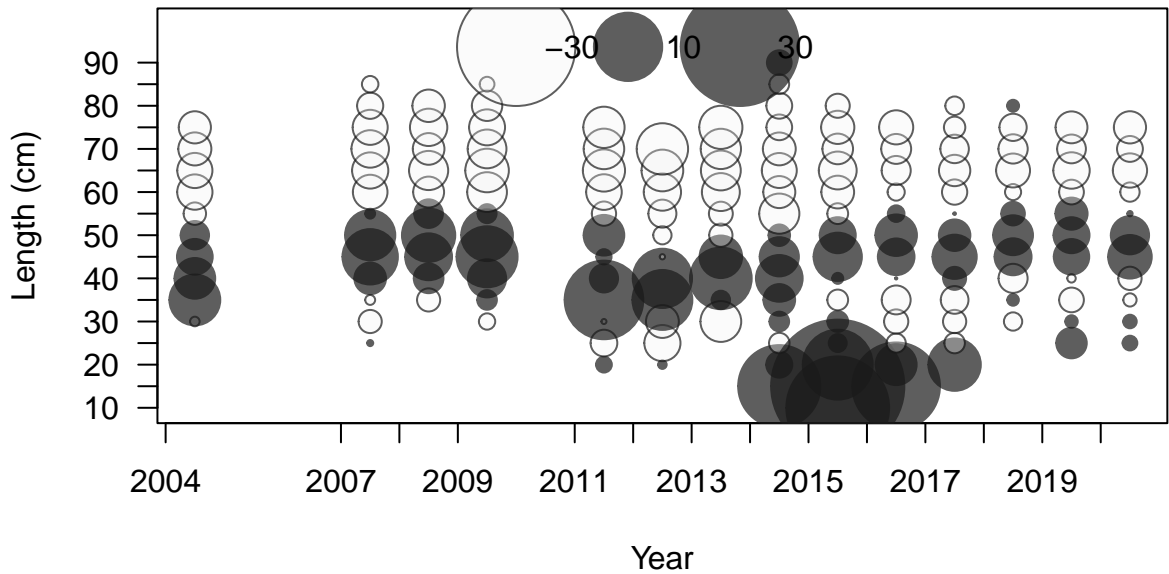




Proportion

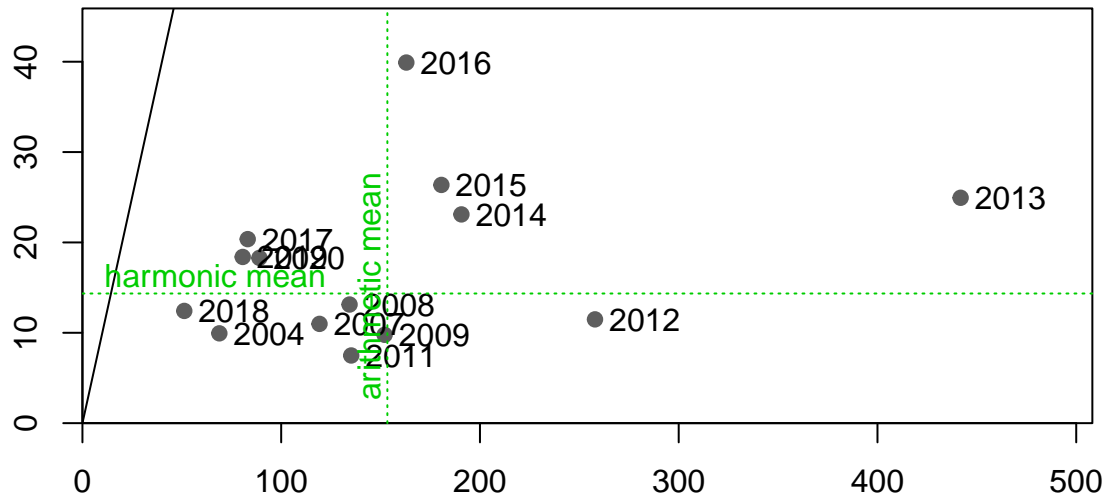


Length (cm)





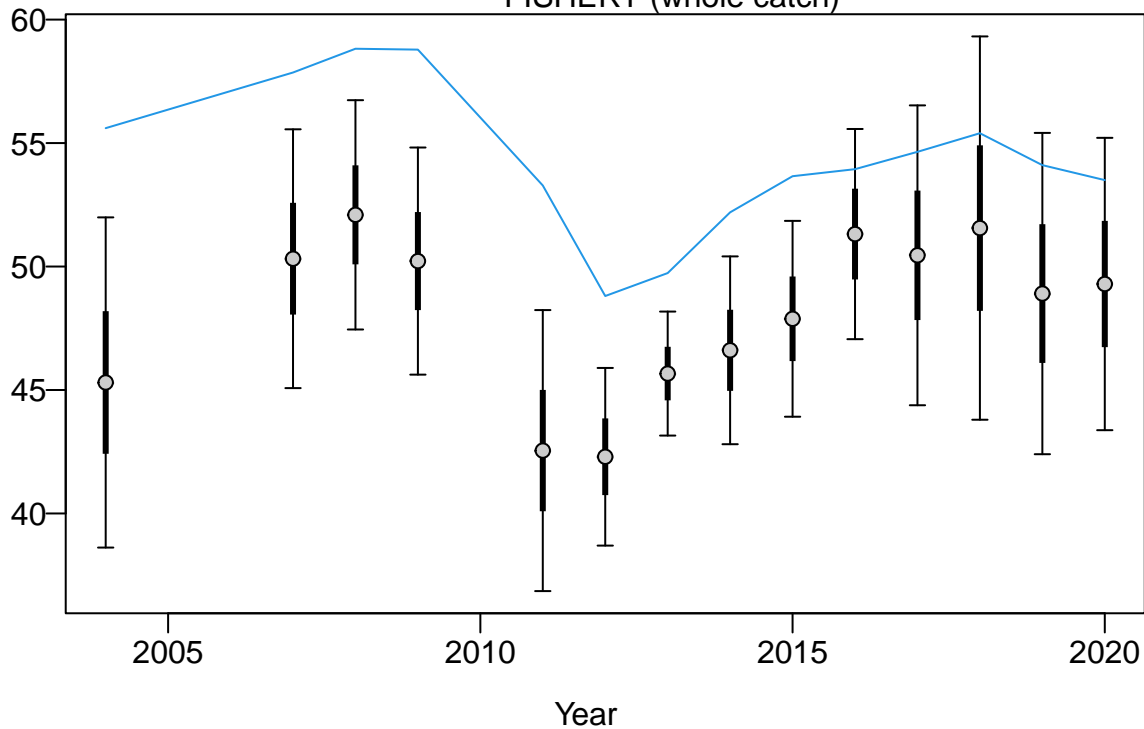
Effective sample size

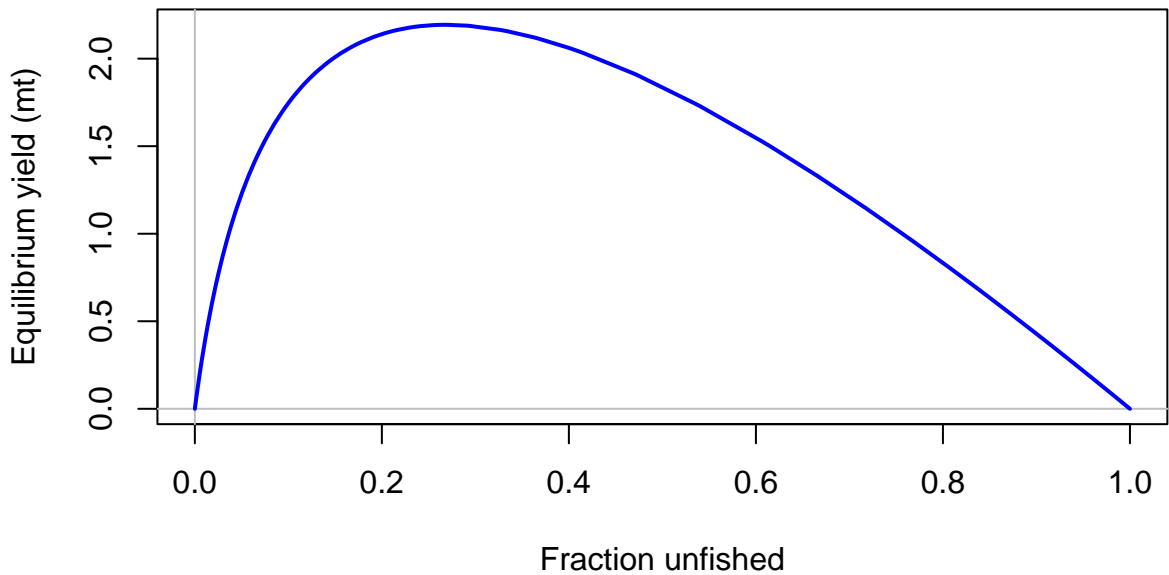


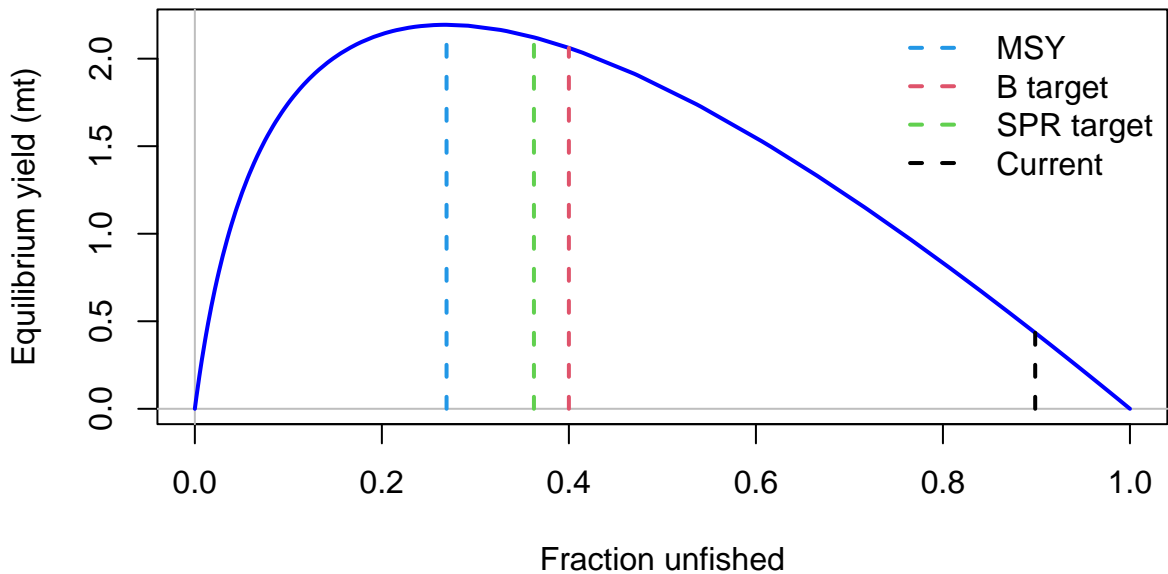
Observed sample size

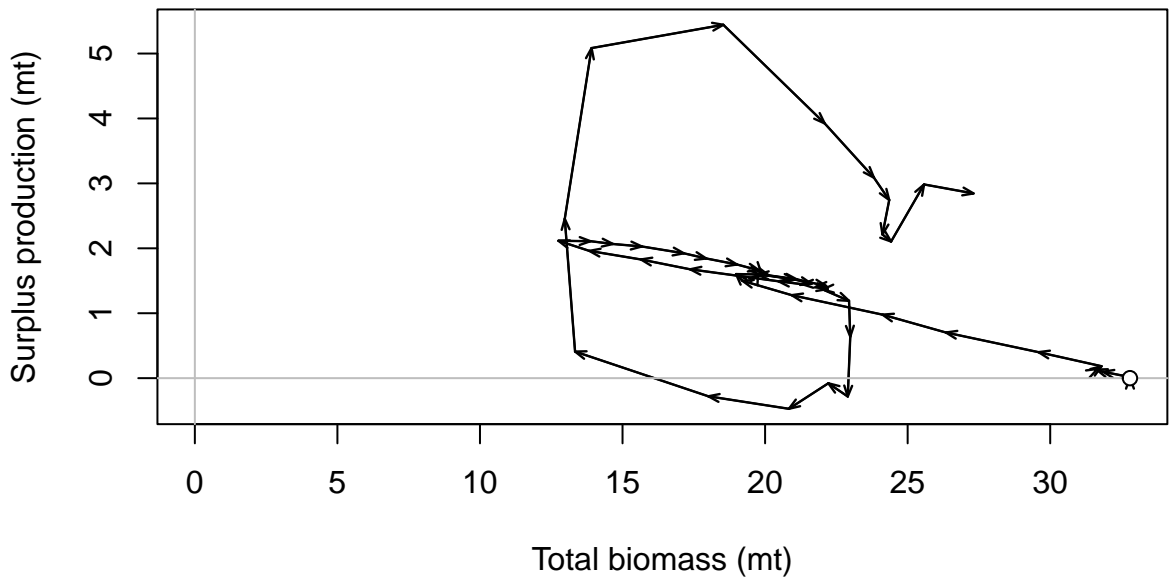
FISHERY (whole catch)

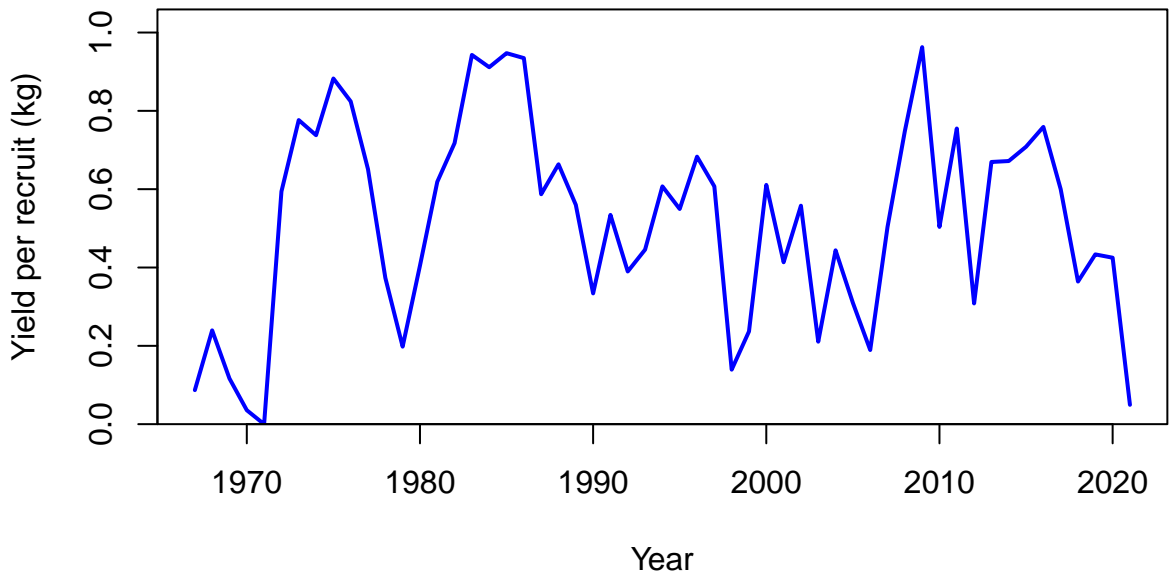
Mean length

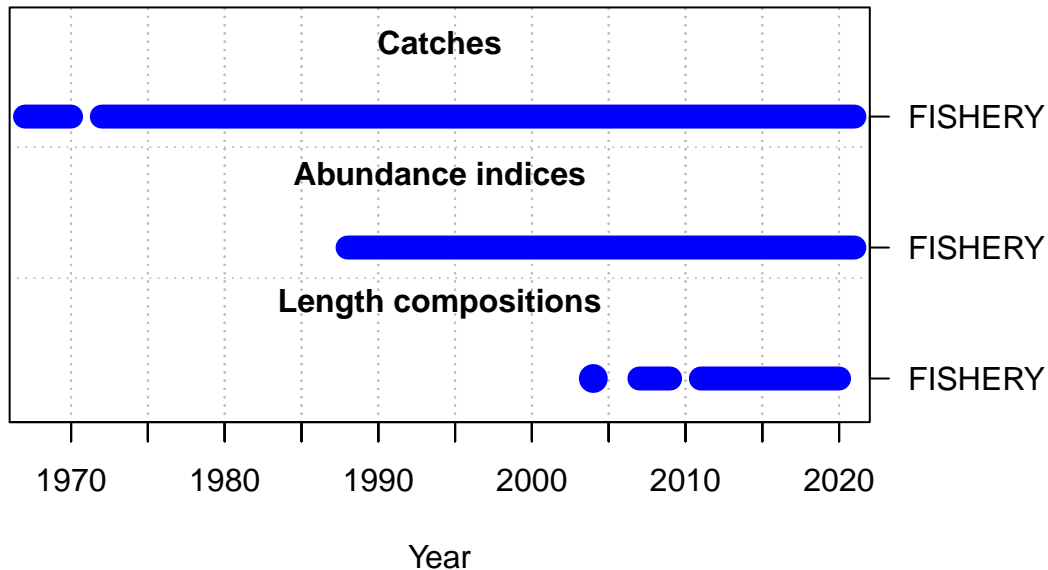


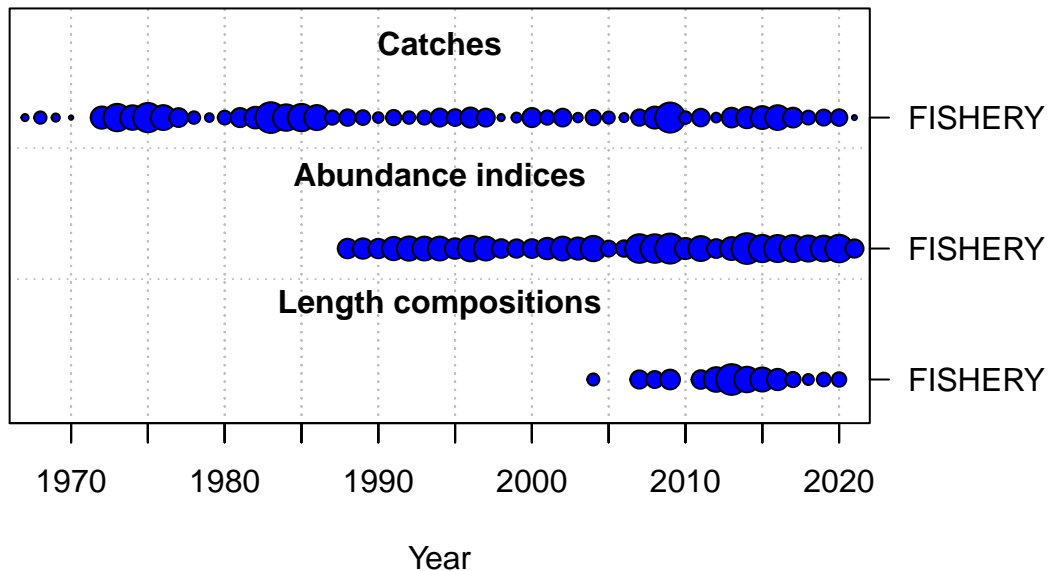






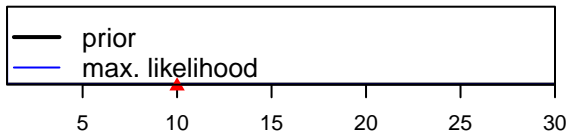




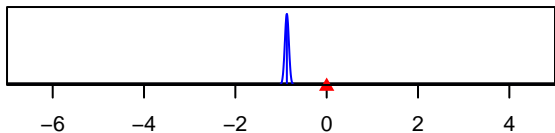




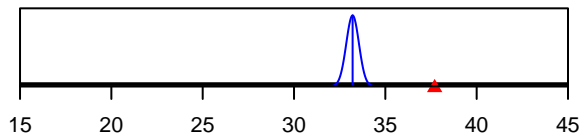
SR\_LN(R0)



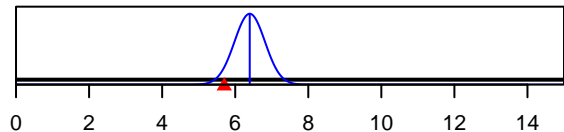
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value