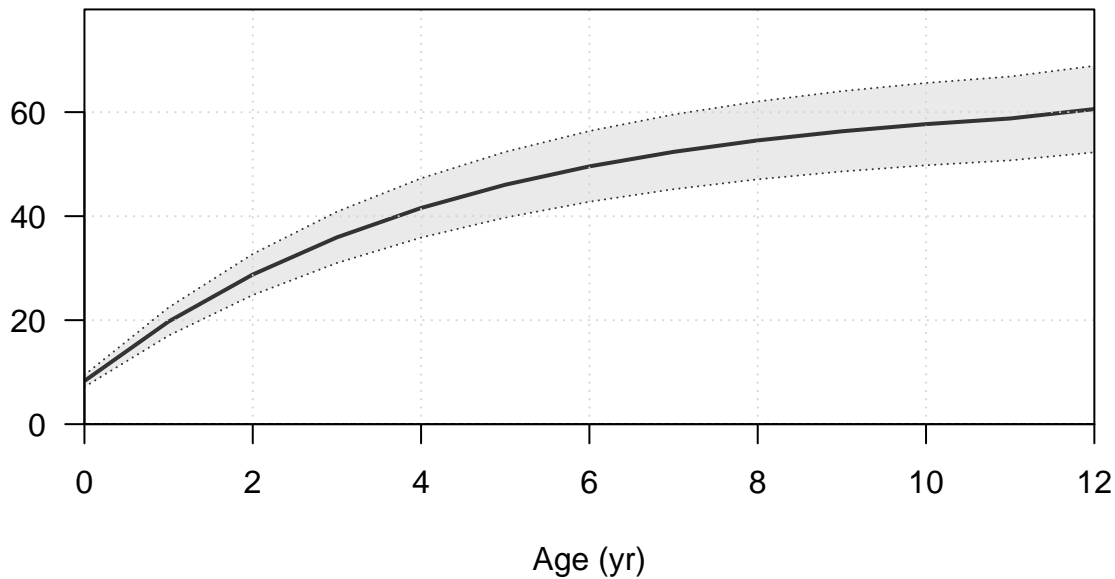
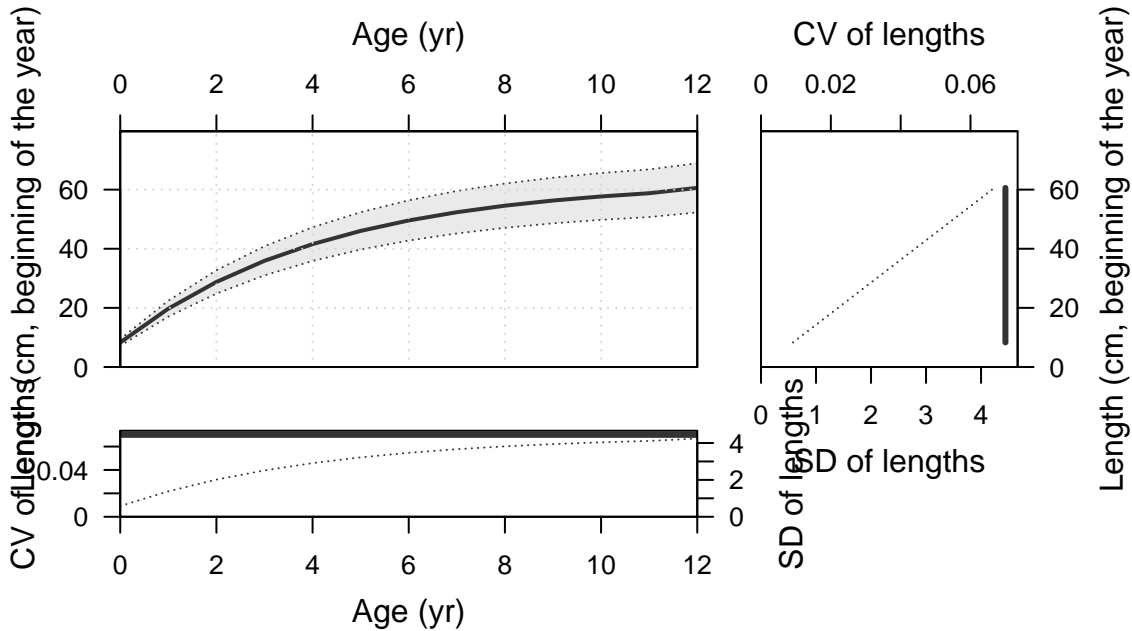
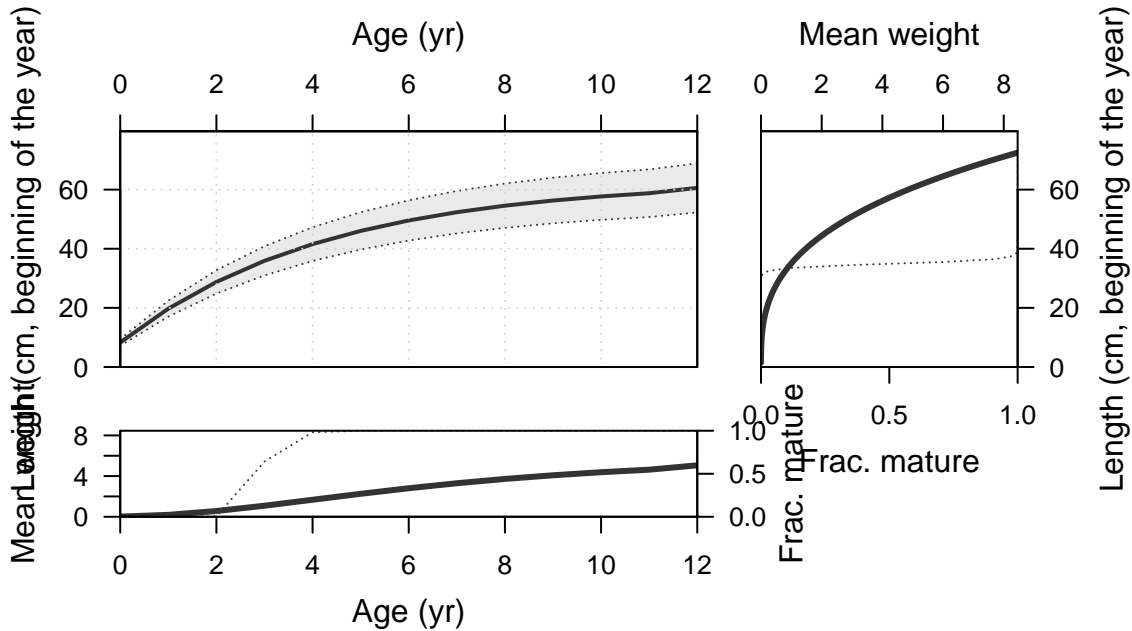


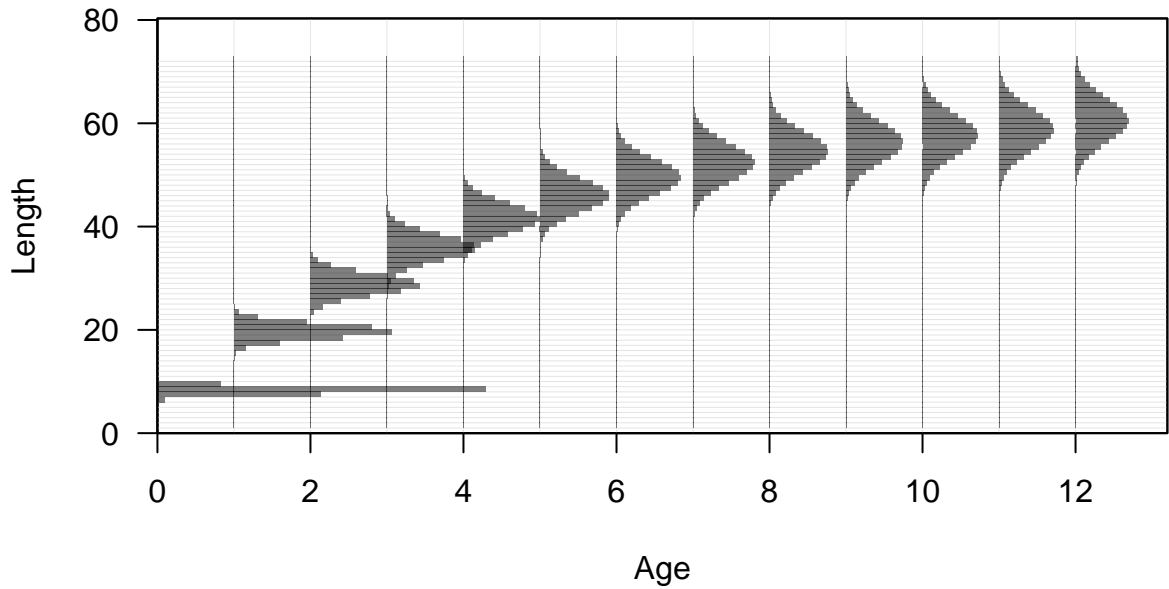
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Aug 02 12:15:27 2022
Data_File: data.ss
Control_File: control.ss

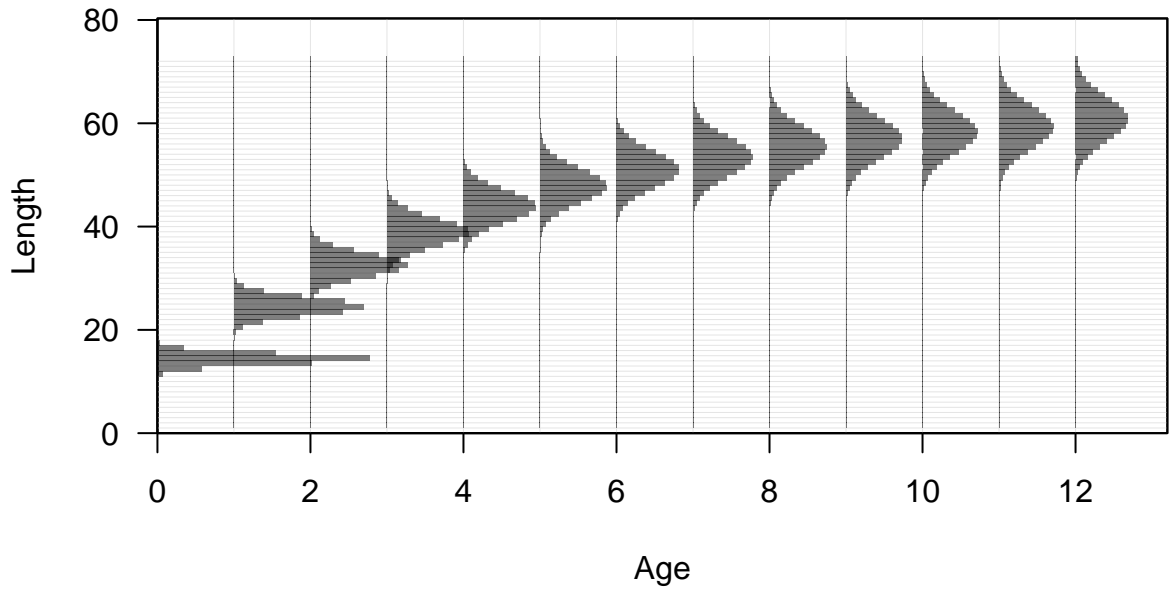
Length (cm, beginning of the year)



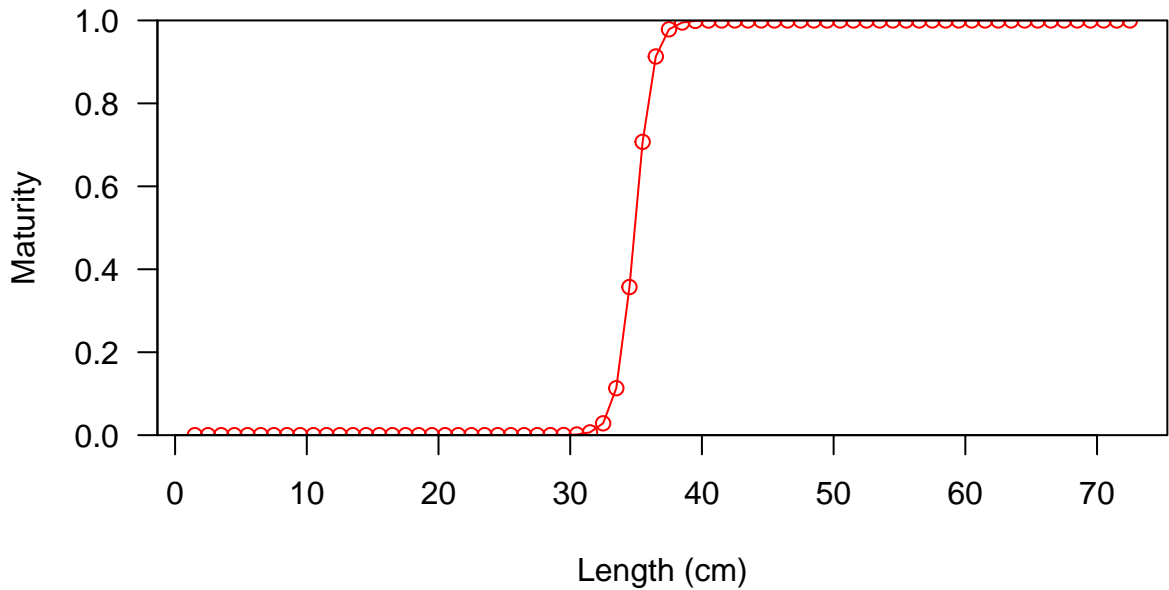






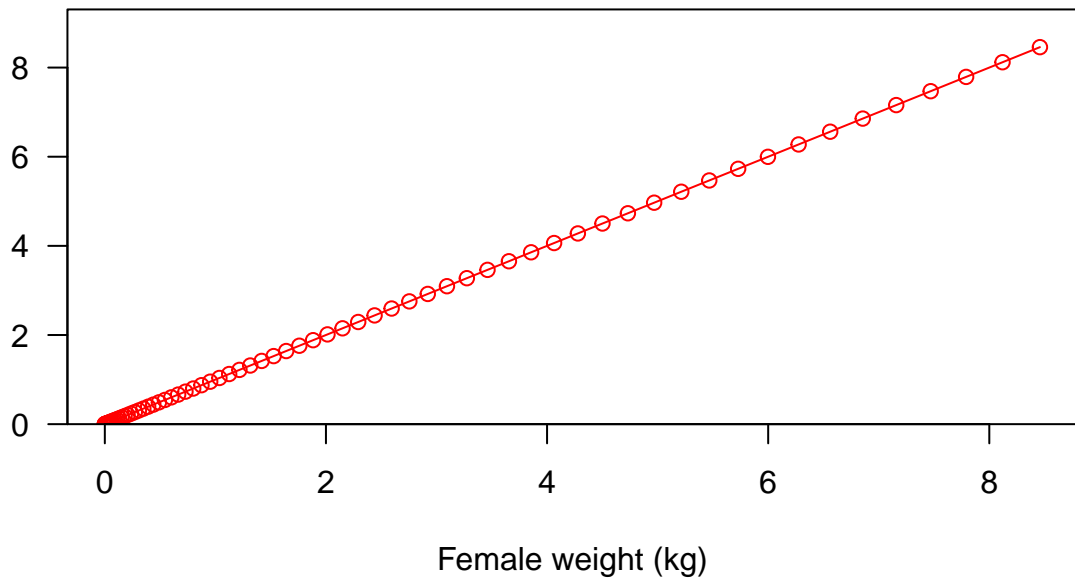








Fecundity



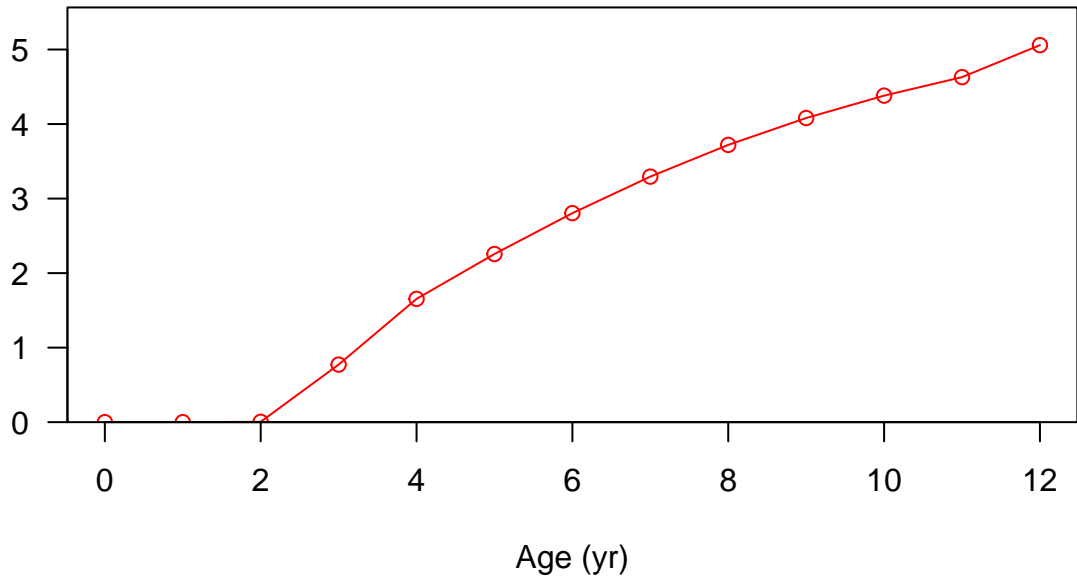
Fecundity

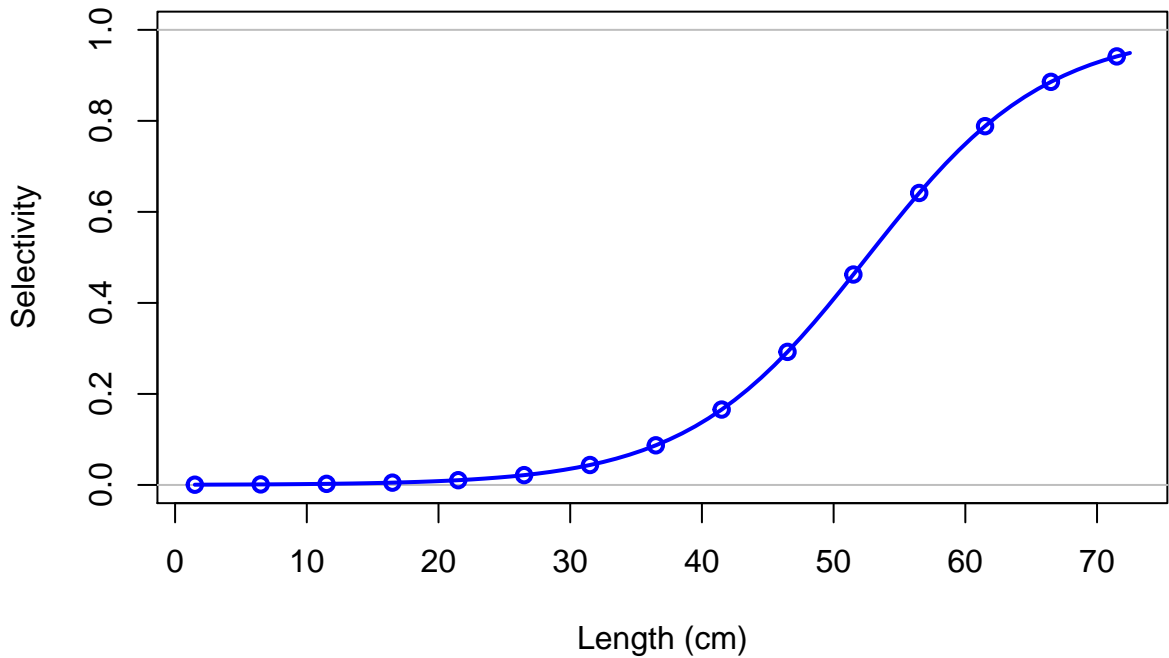


Spawning output

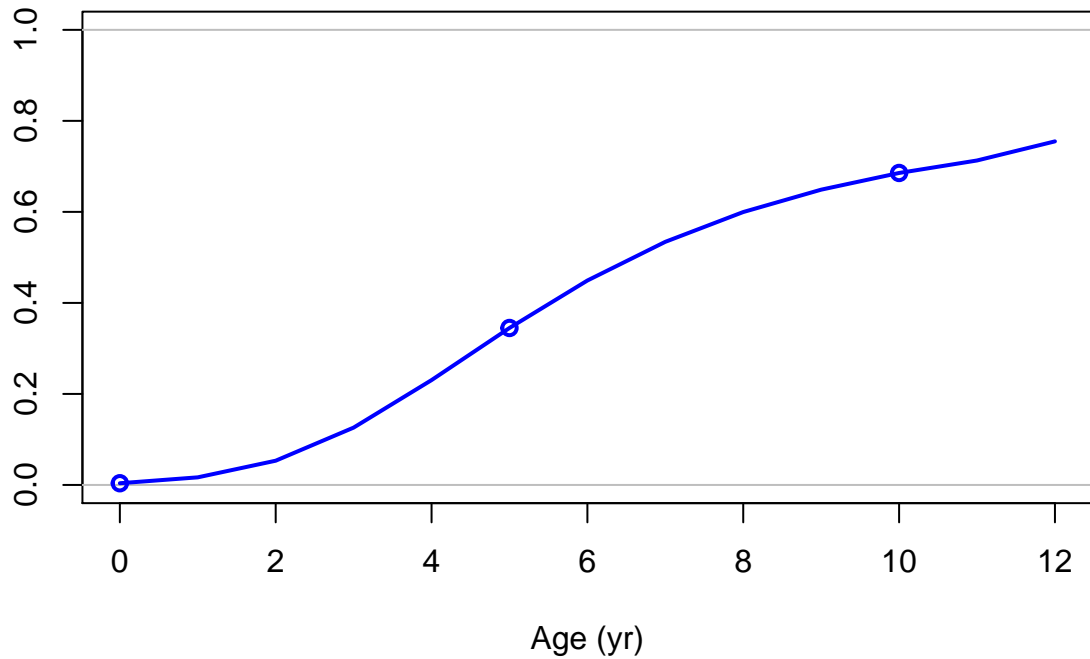


Spawning output

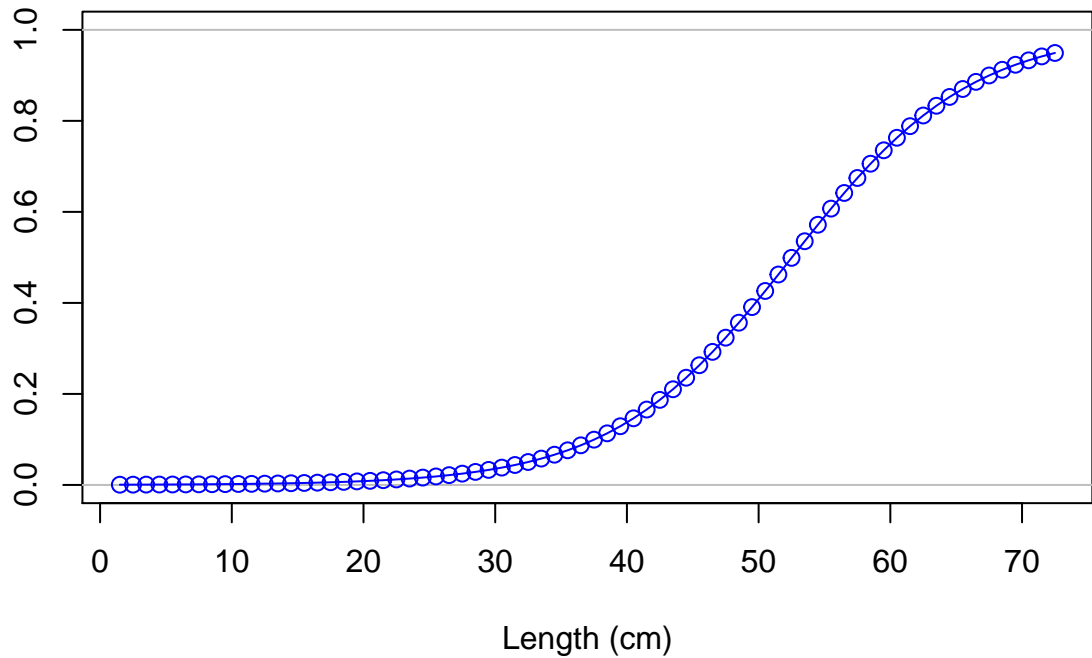


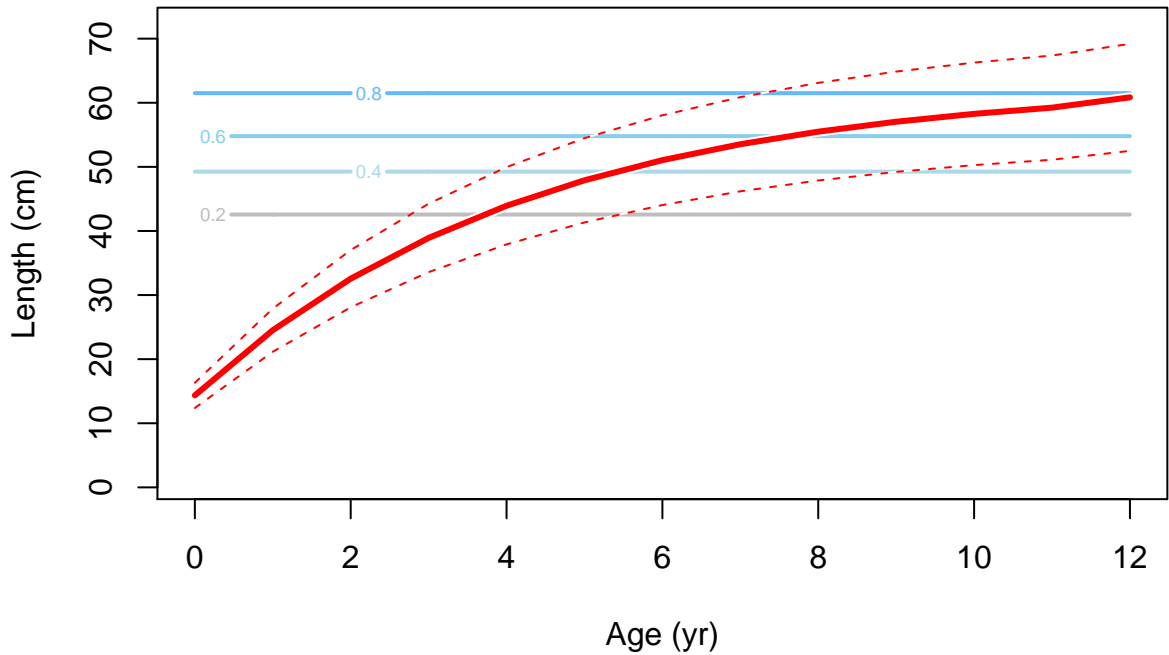


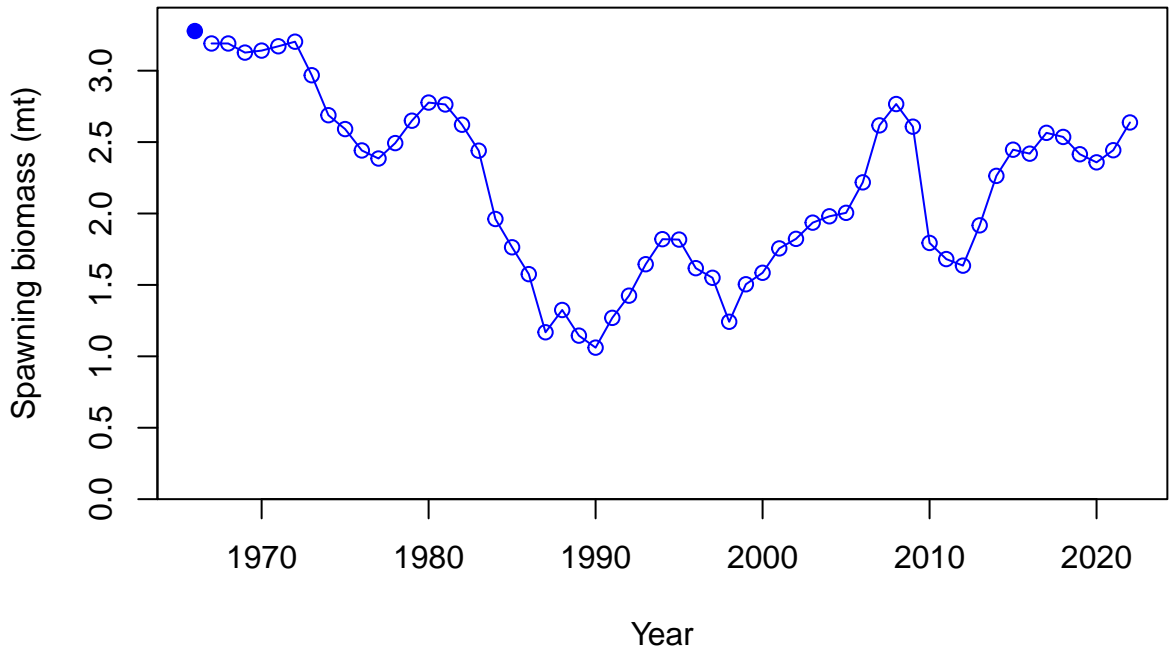
Selectivity



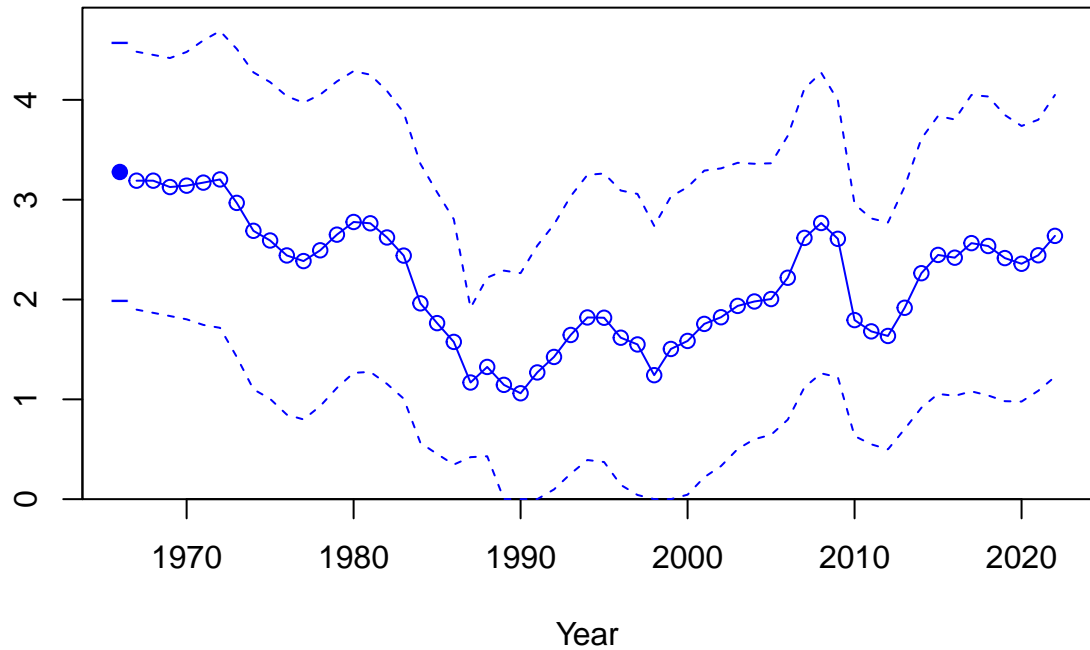
Selectivity



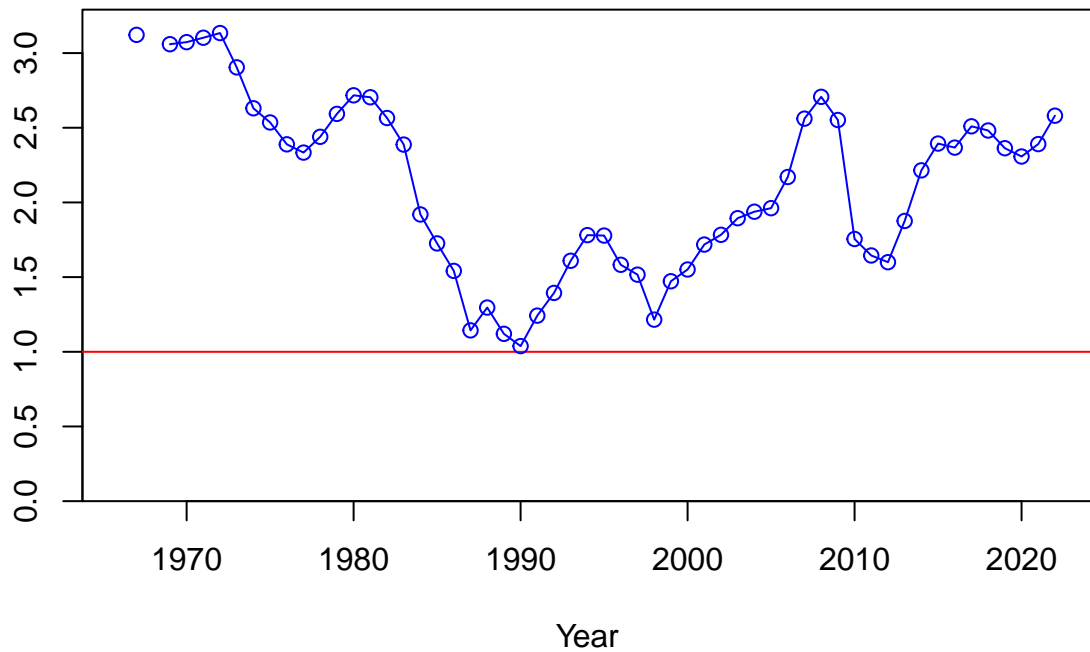




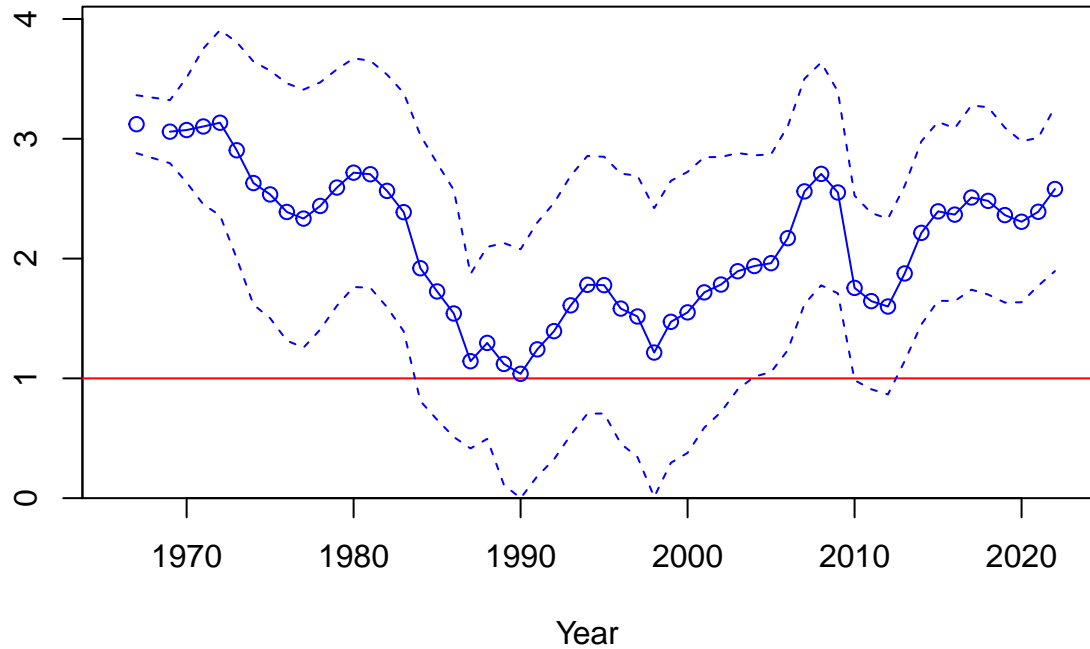
Spawning biomass (mt)

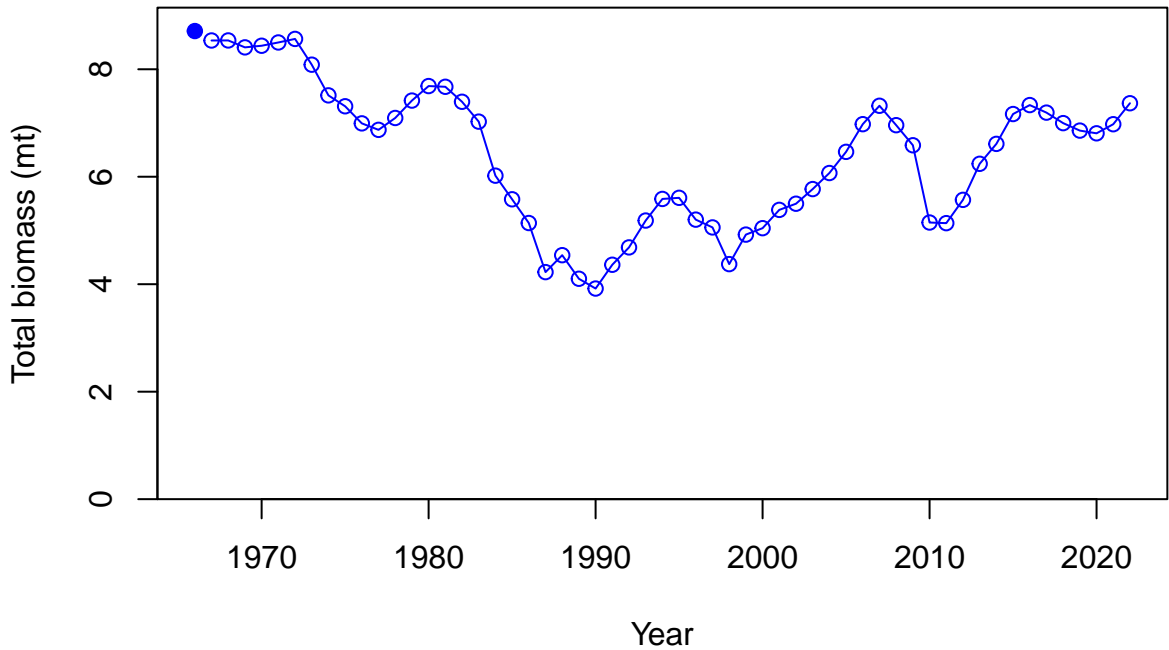


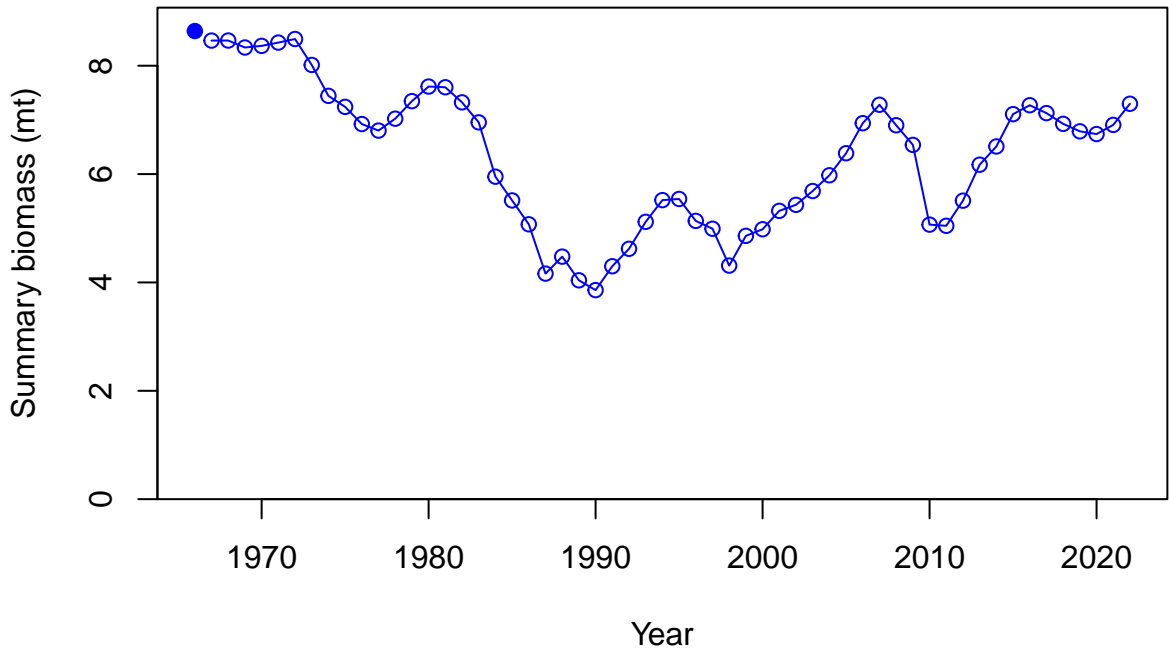
Relative spawning biomass: B/B_{MSY}



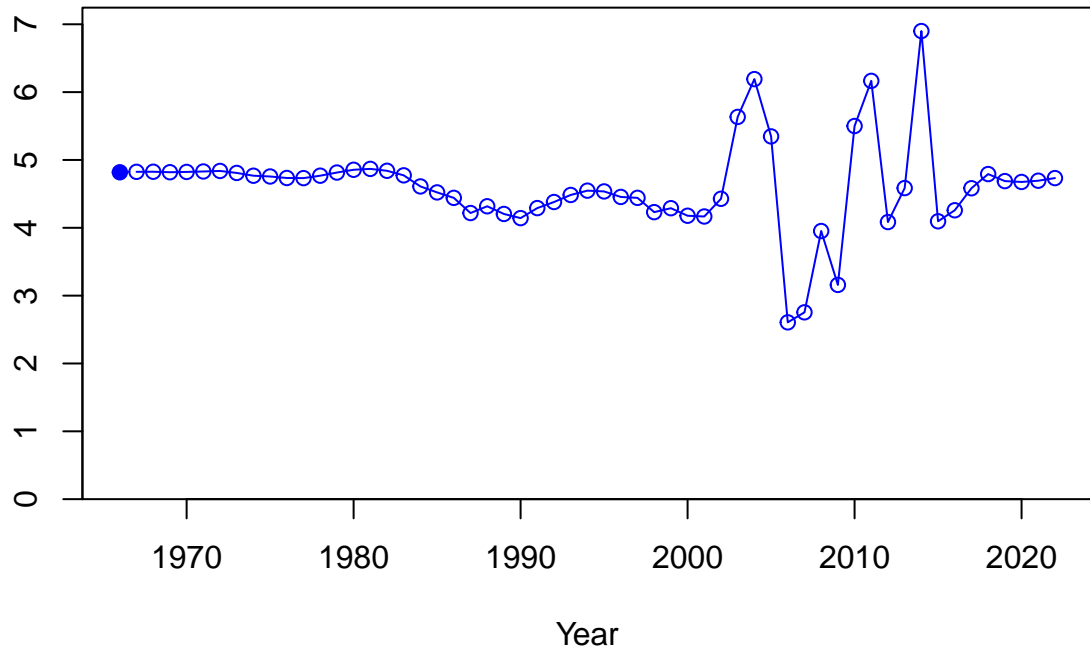
Relative spawning biomass: B/B_{MSY}



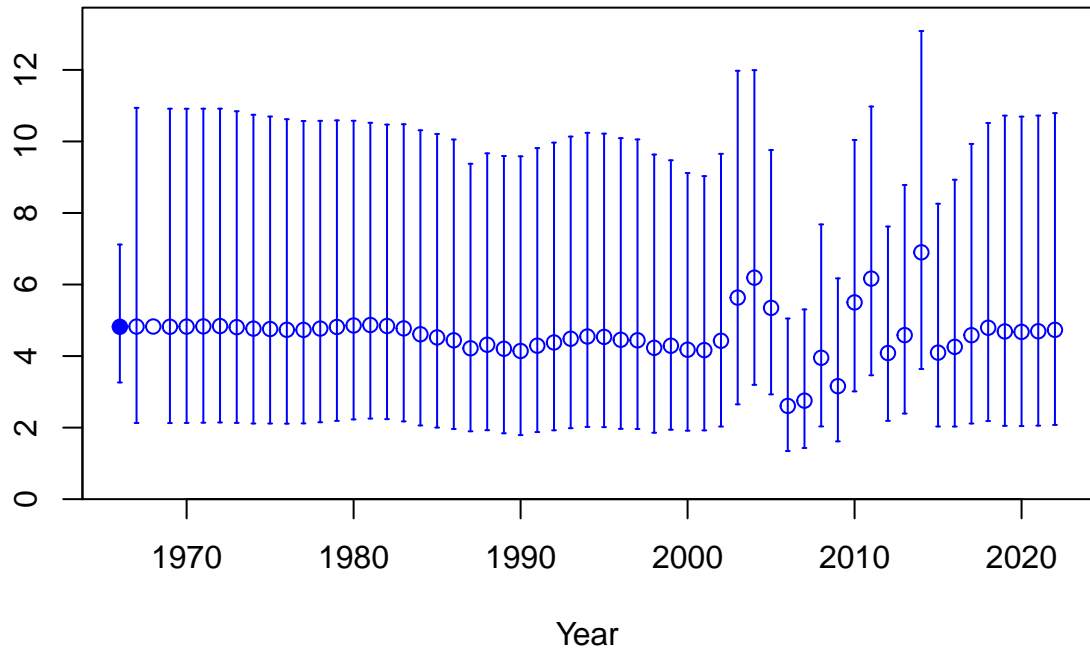




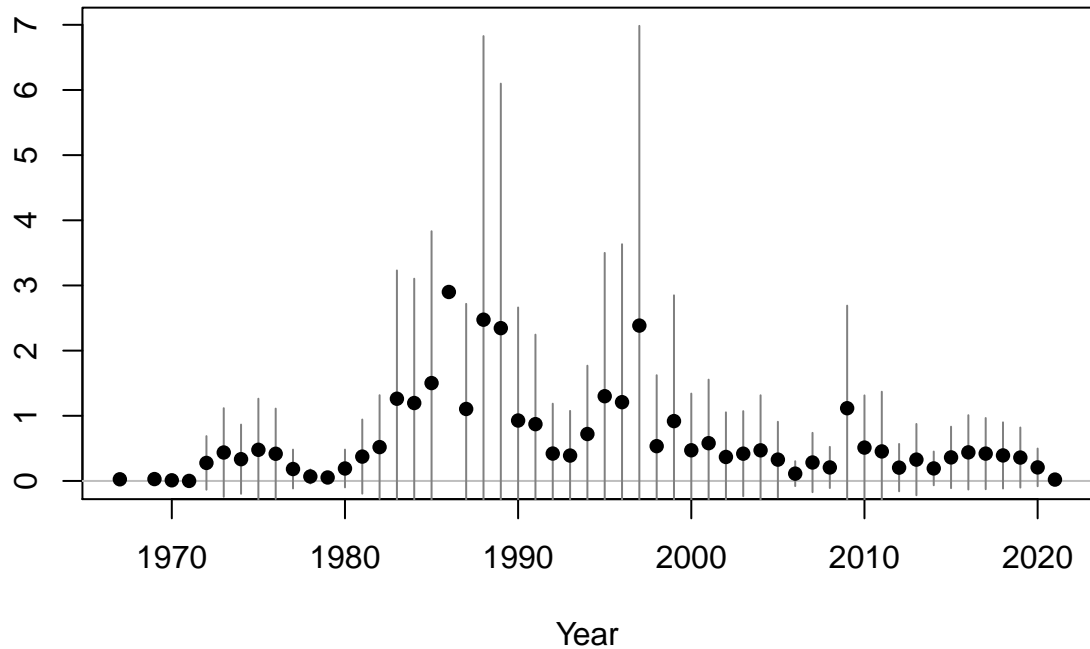
Age-0 recruits (1,000s)

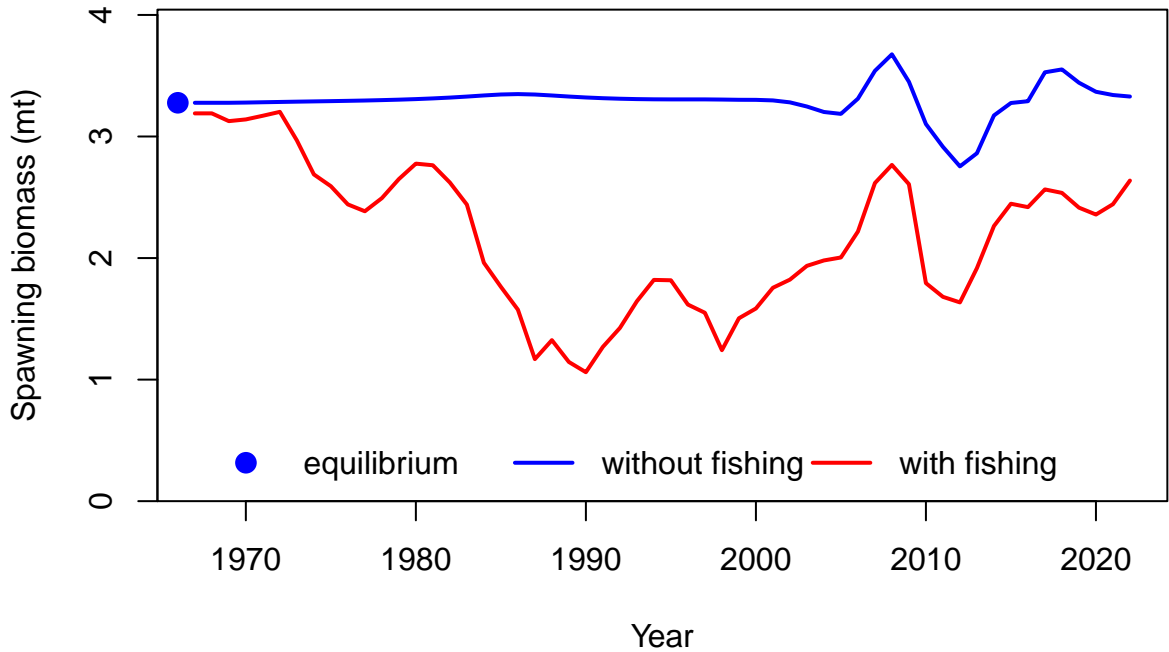


Age-0 recruits (1,000s)

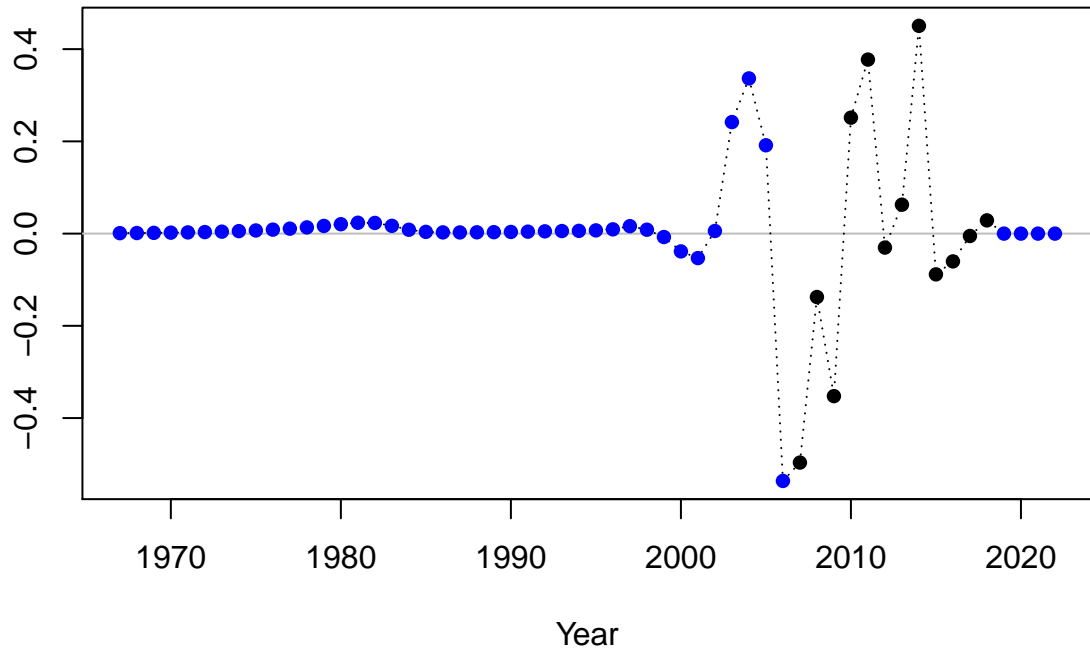


Summary Fishing Mortality

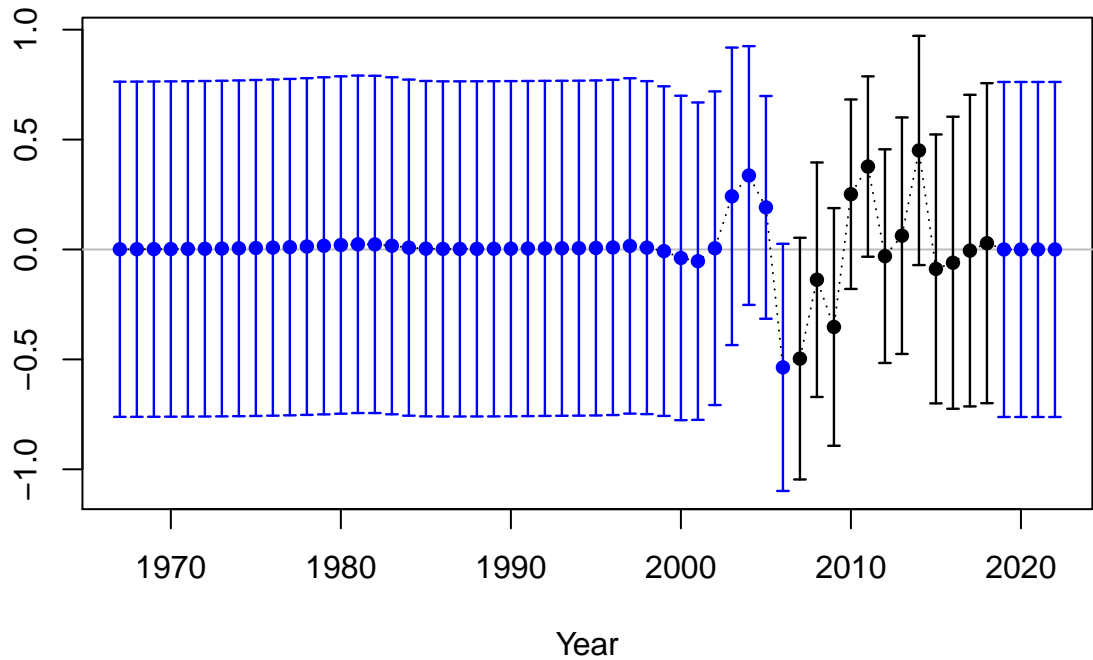




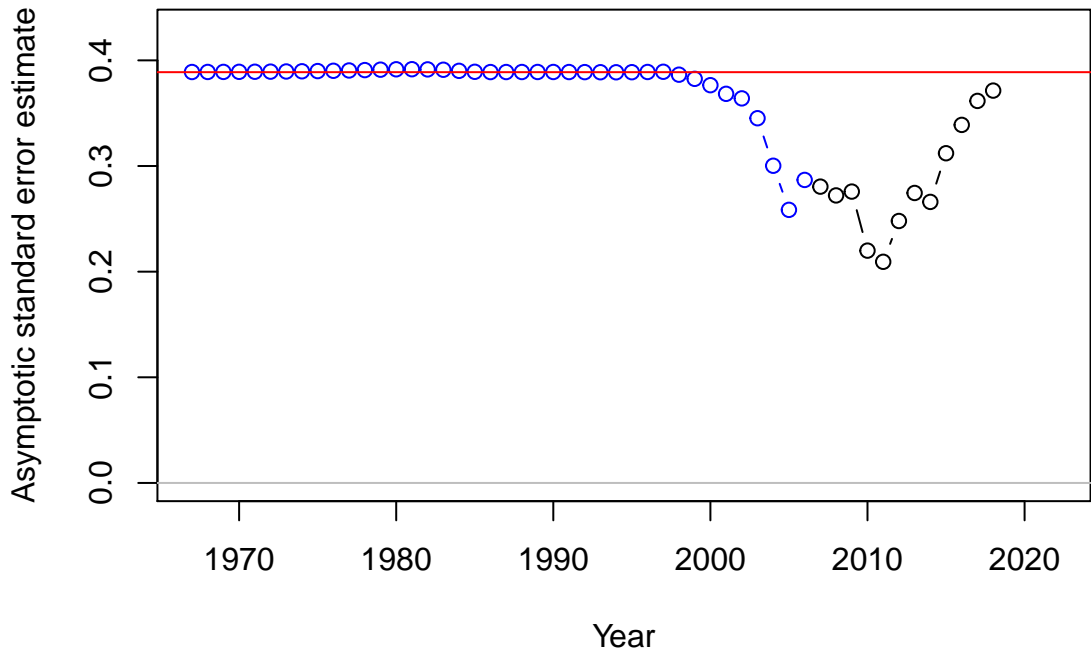
Log recruitment deviation

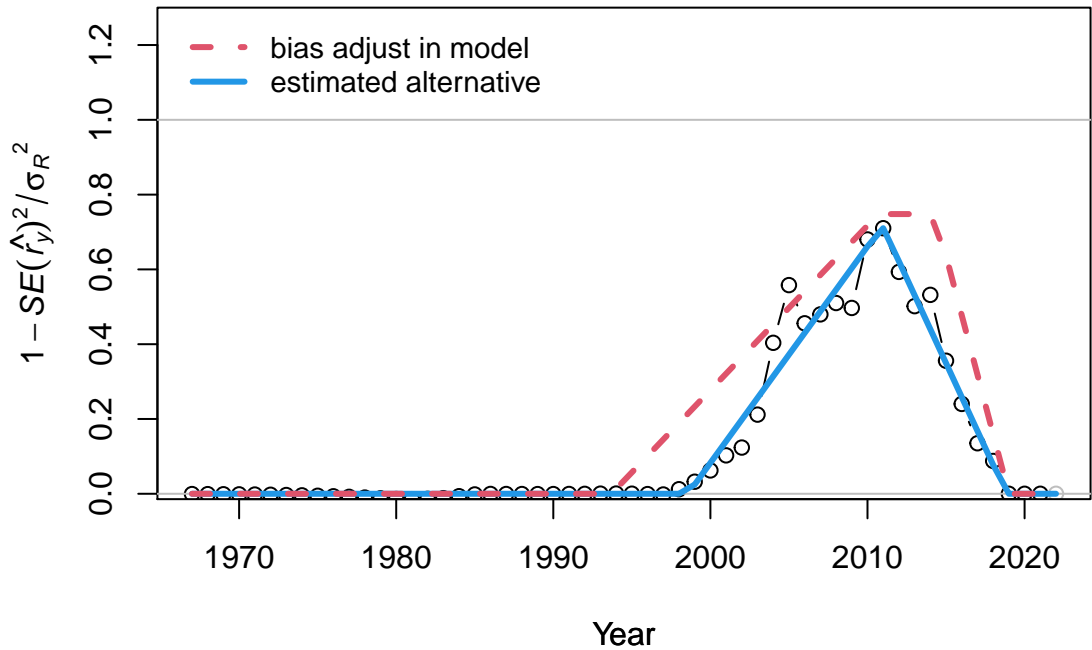


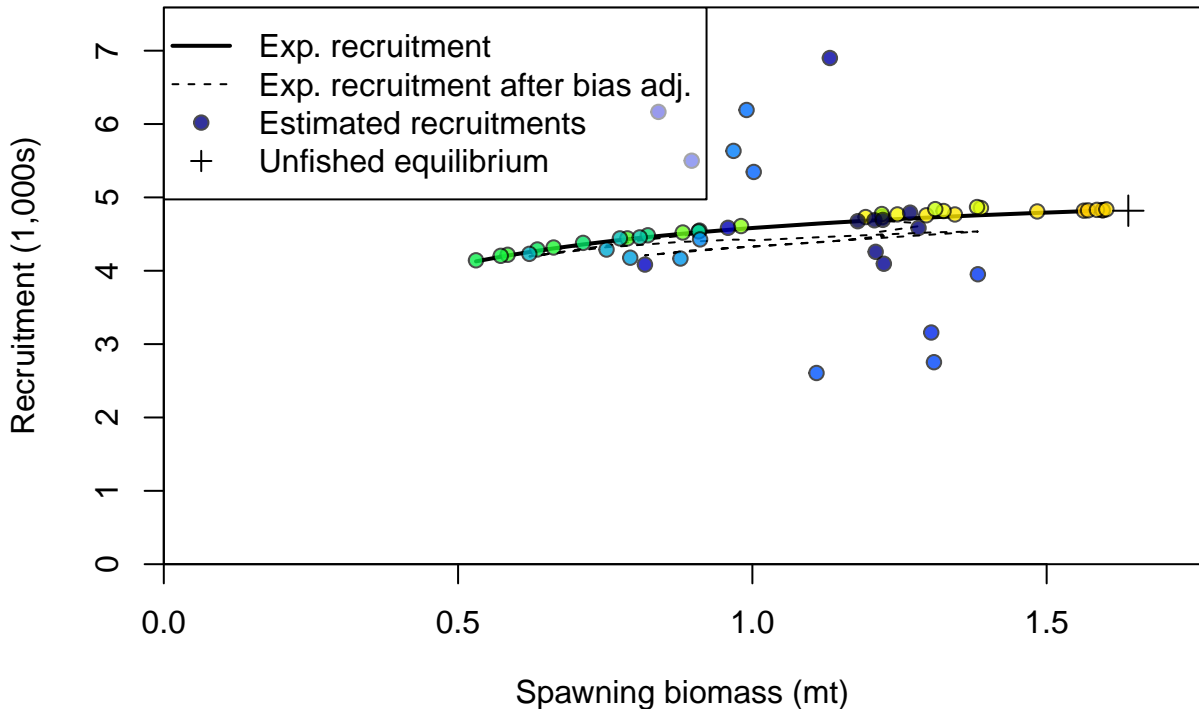
Log recruitment deviation

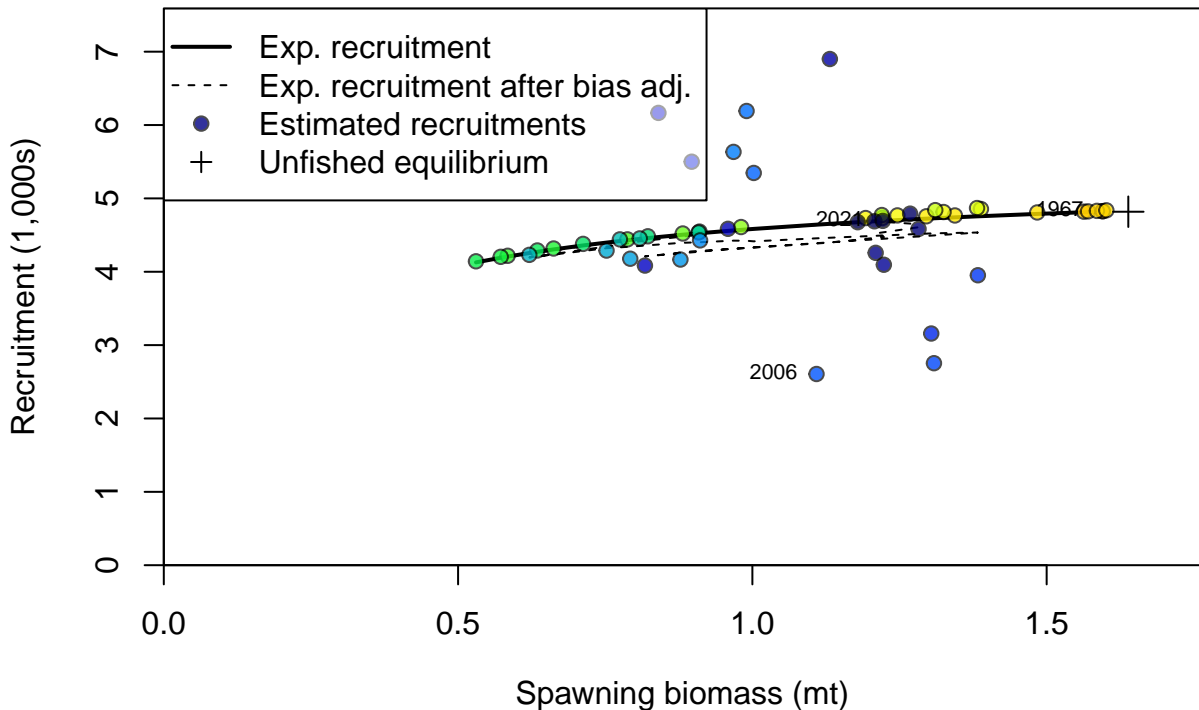


Recruitment deviation variance









Log recruitment deviation

0.4
0.2
0.0
-0.2
-0.4

0.0

0.2

0.4

0.6

0.8

1.0

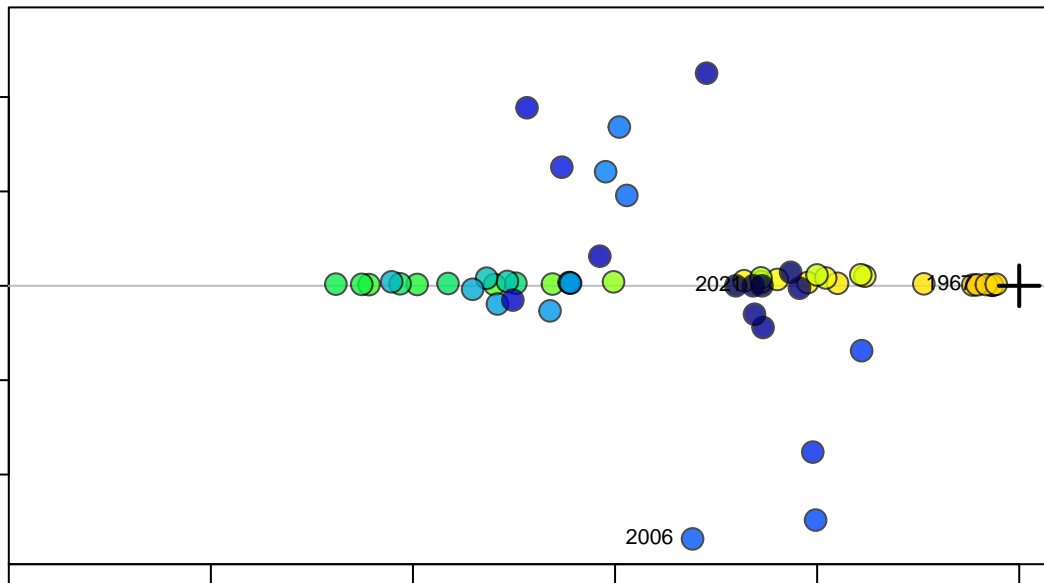
Spawning output (relative to B_0)

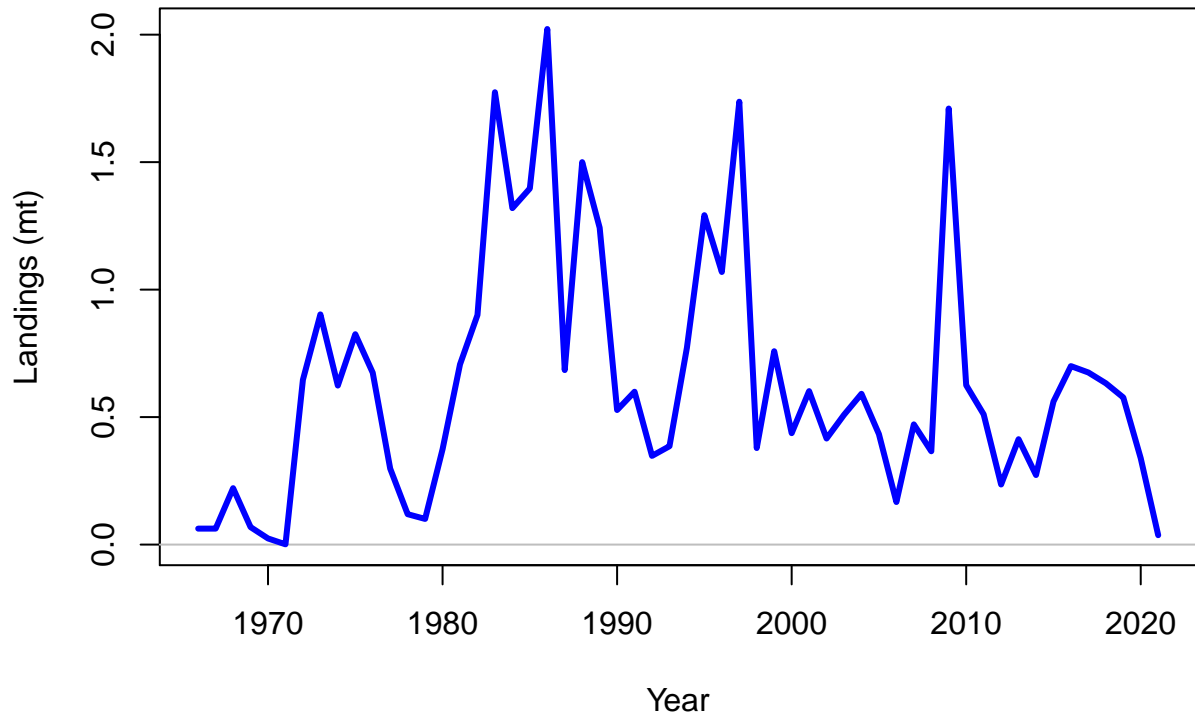
2006

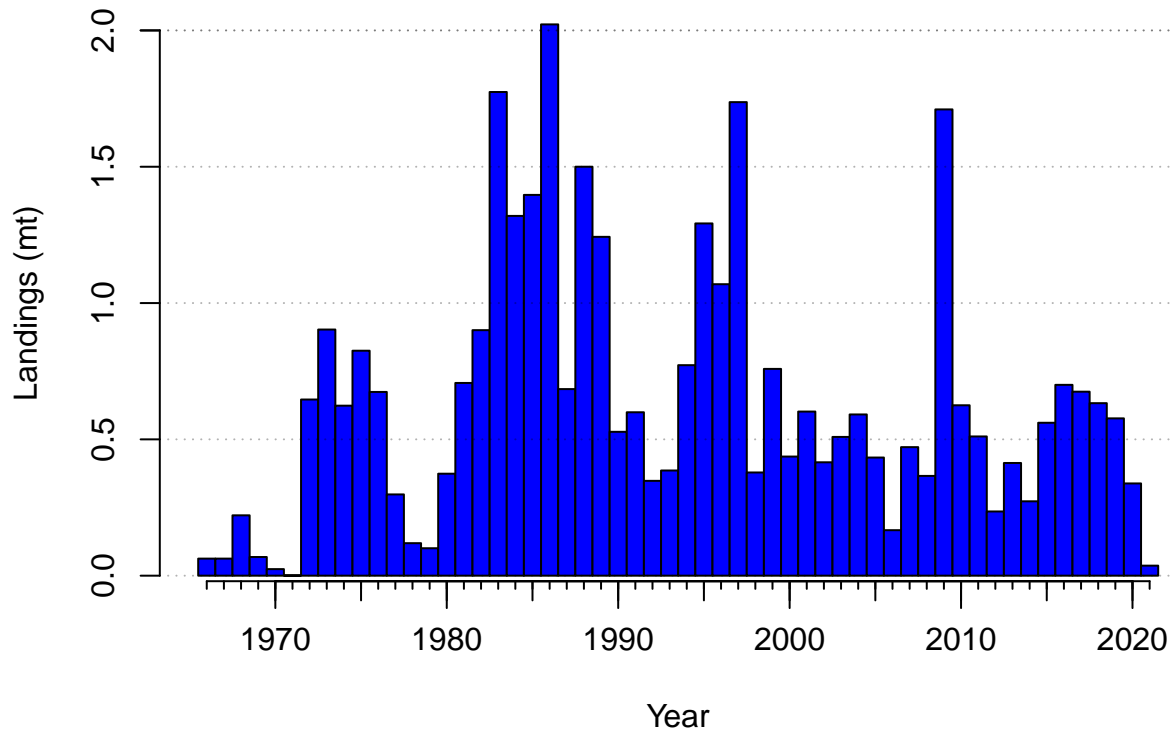
2021

1967

+

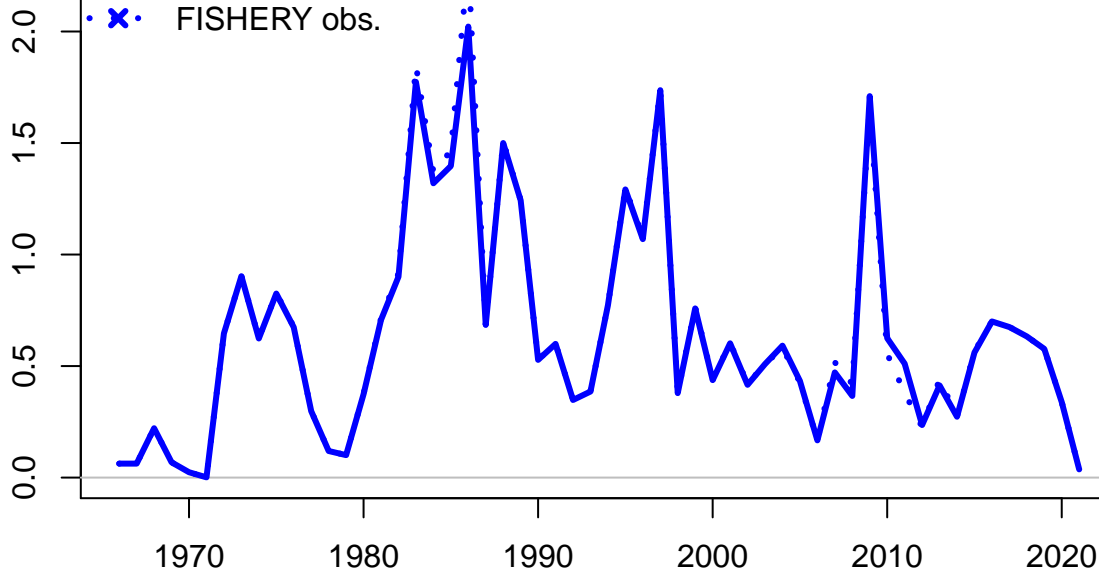




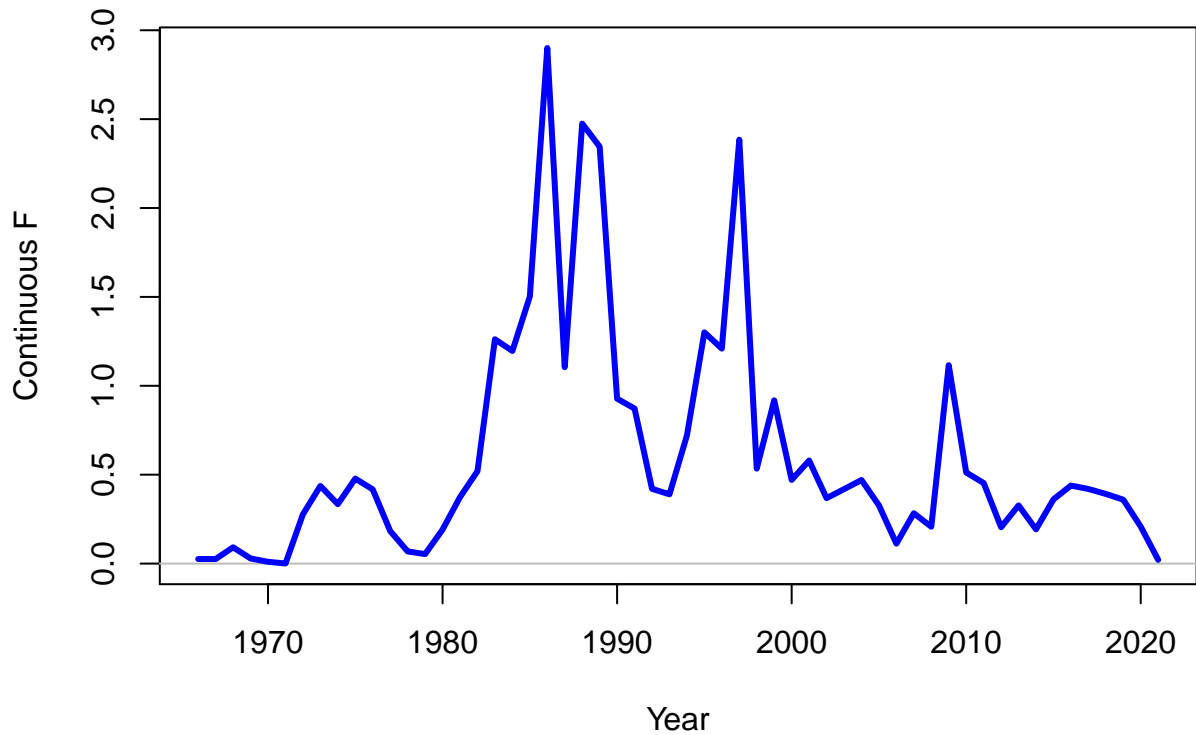


Observed and expected Landings (mt)

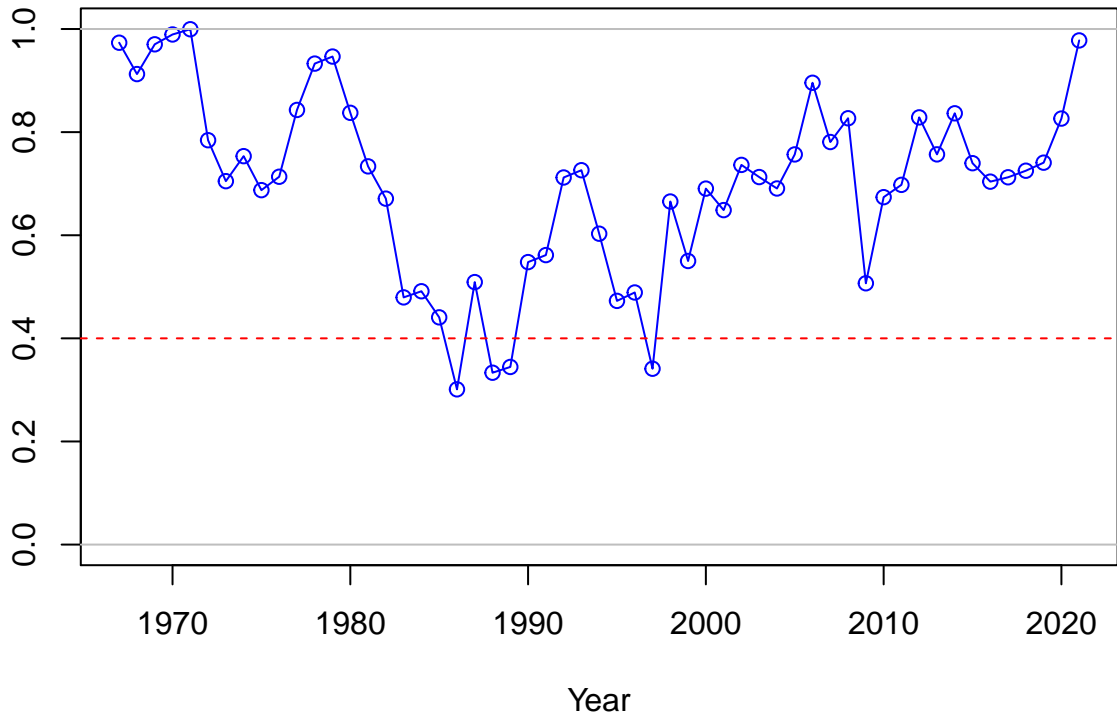
FISHERY
FISHERY obs.



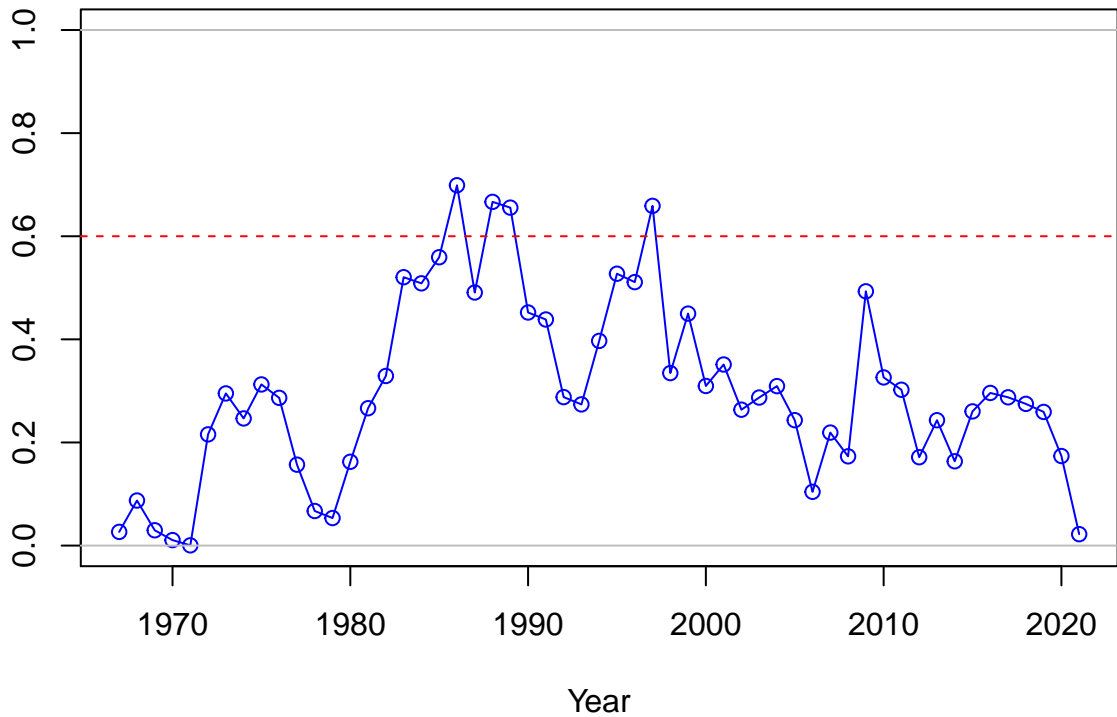
Year



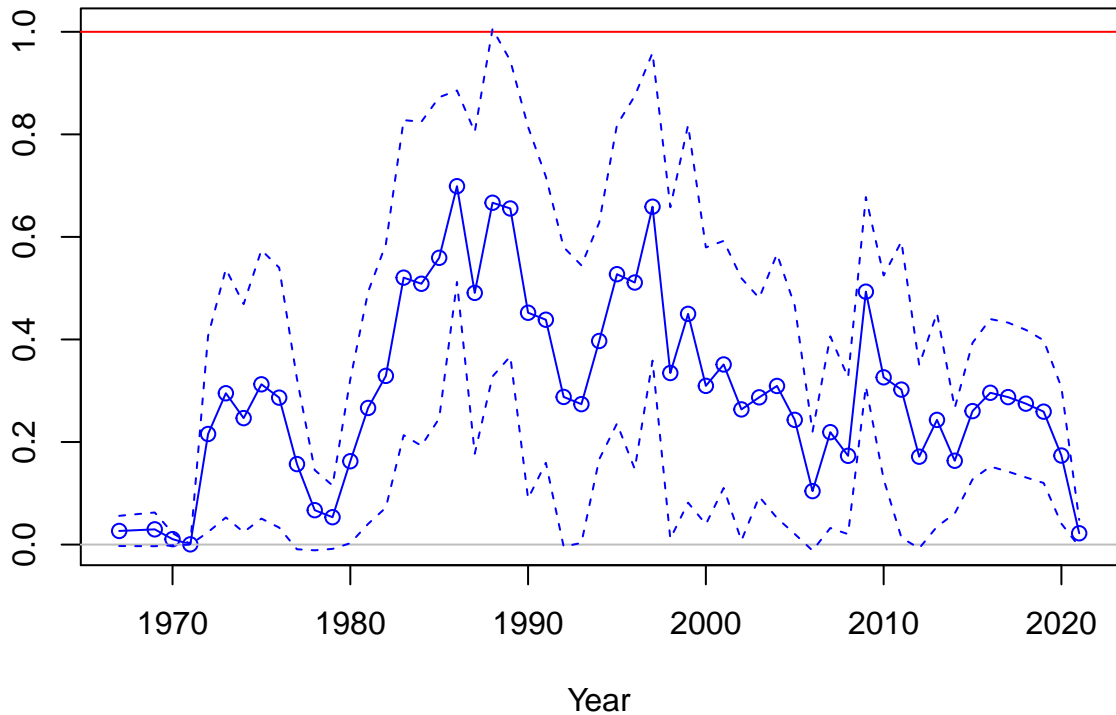
SPR



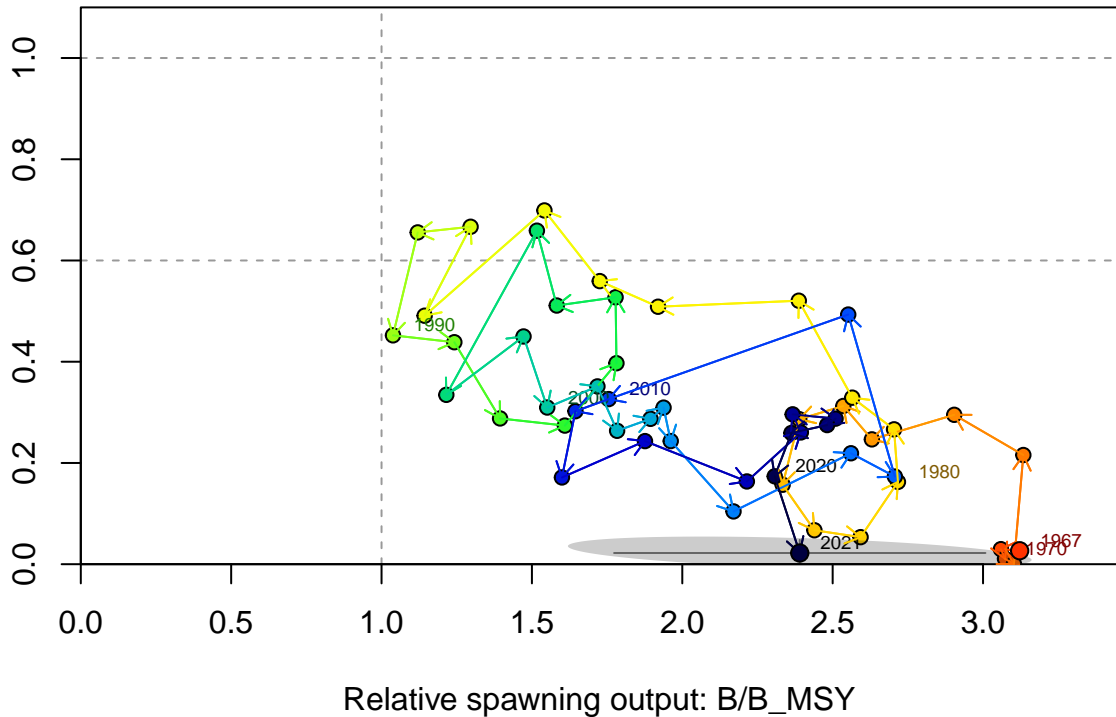
1-SPR



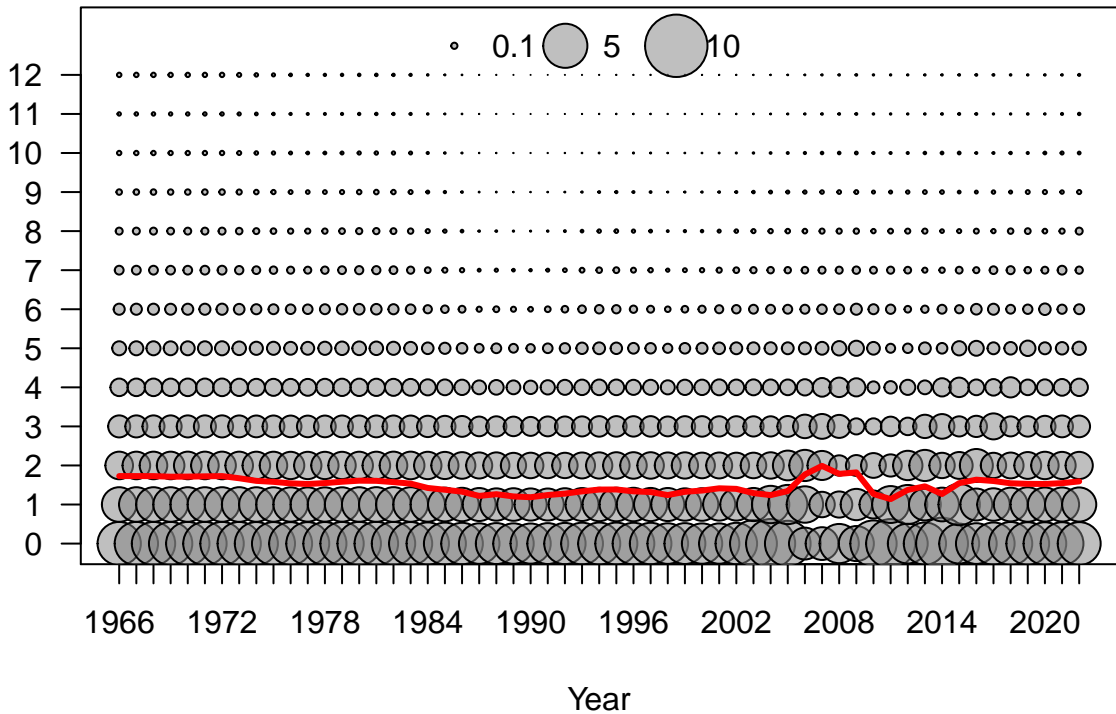
Fishing intensity: 1-SPR

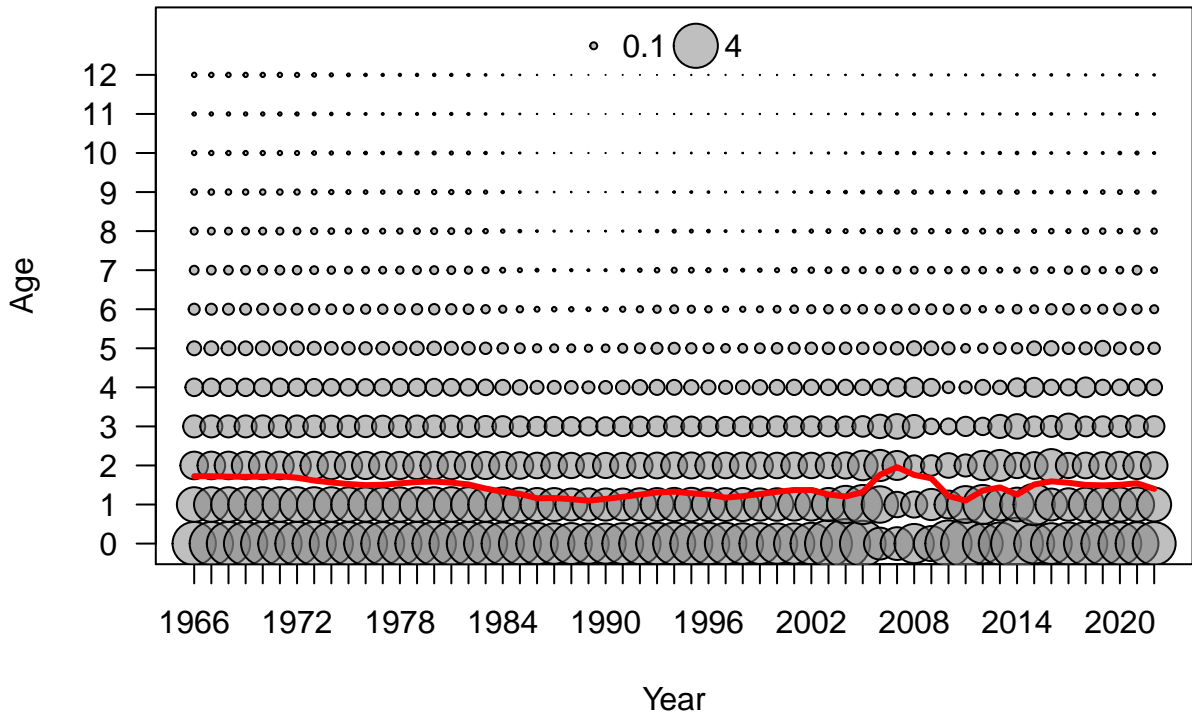


Fishing intensity: 1-SPR

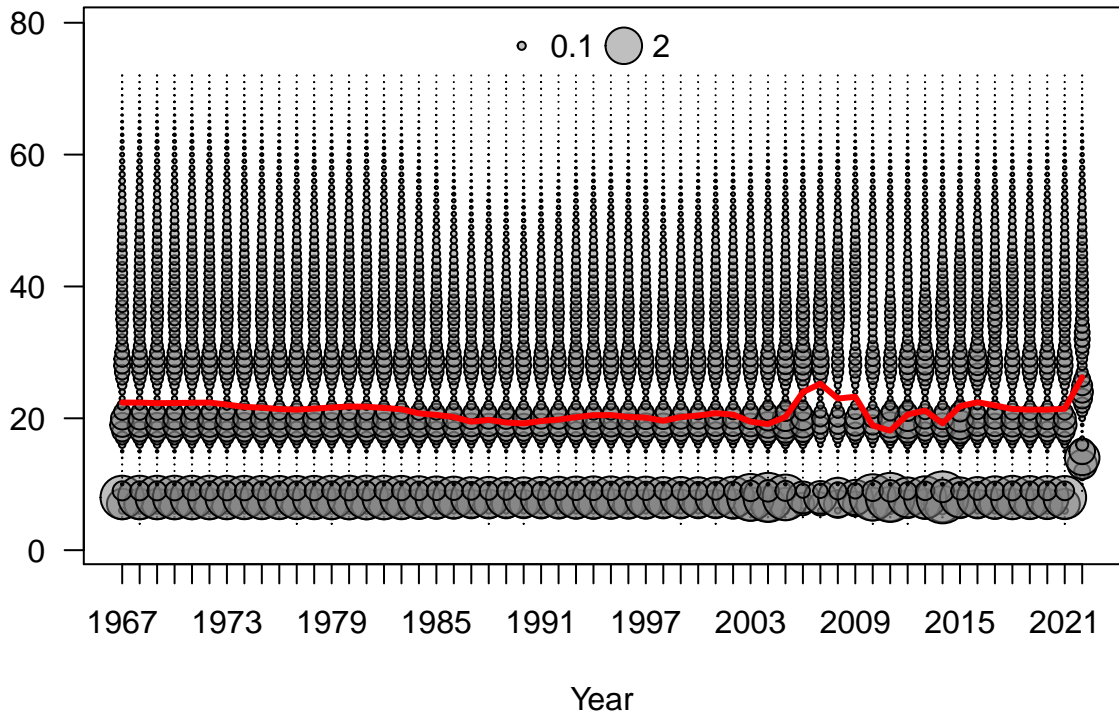


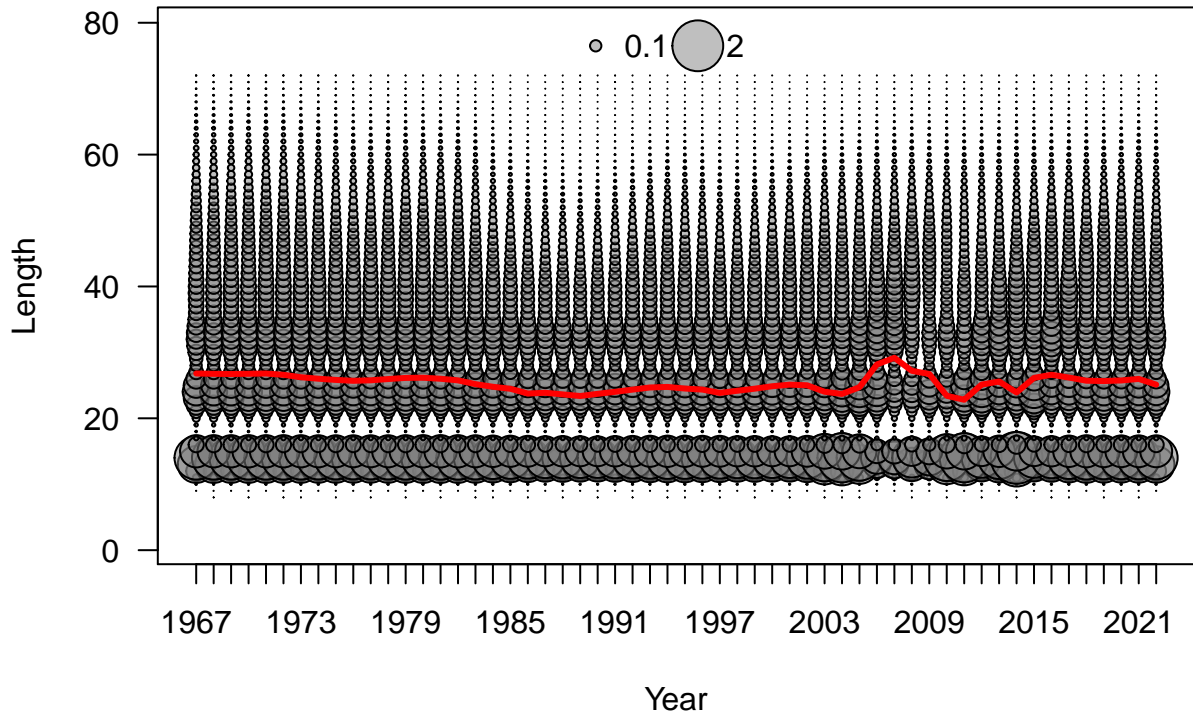
Age

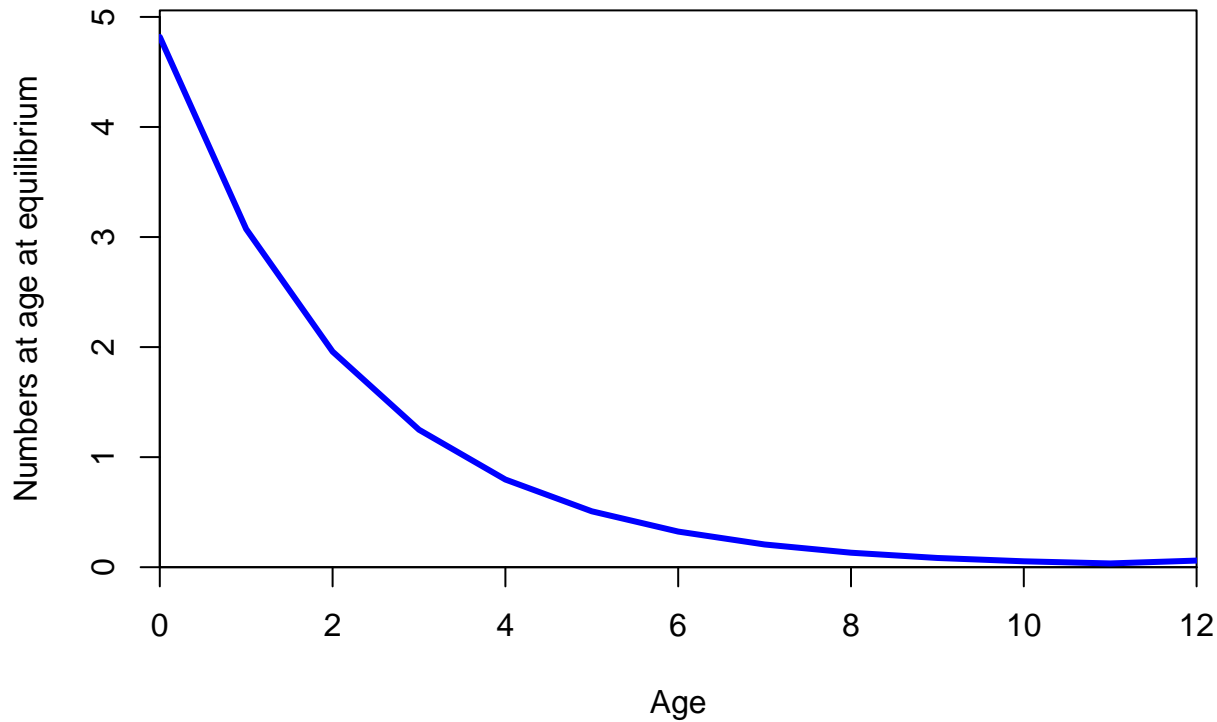


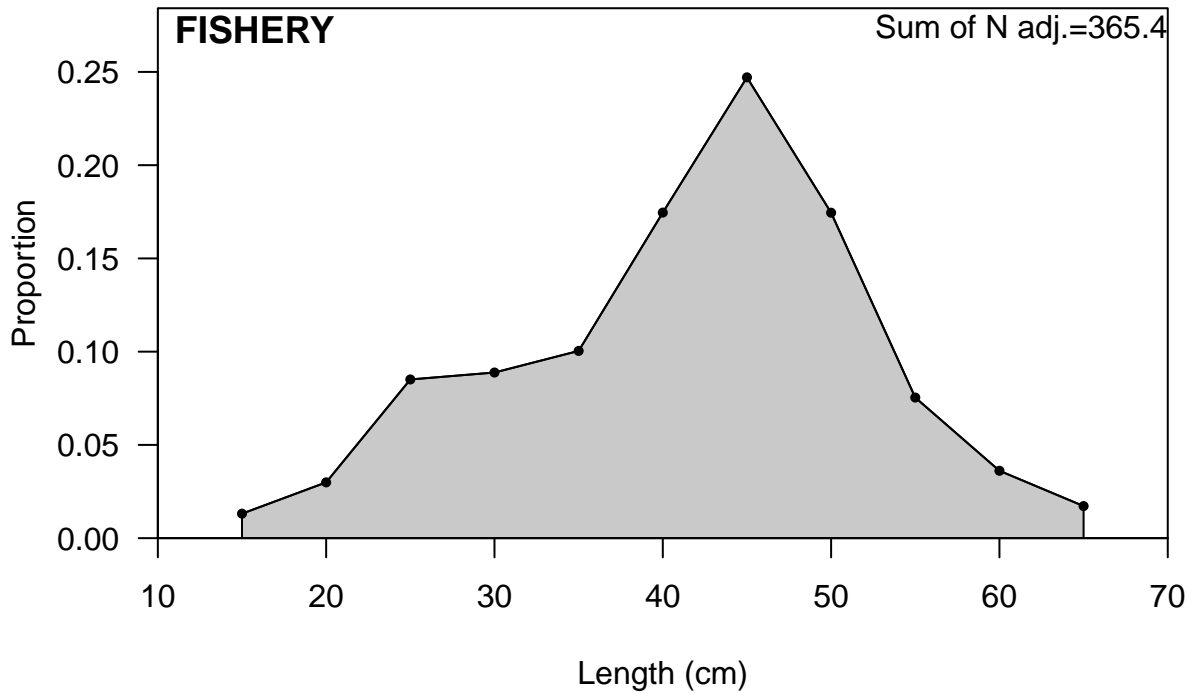


Length



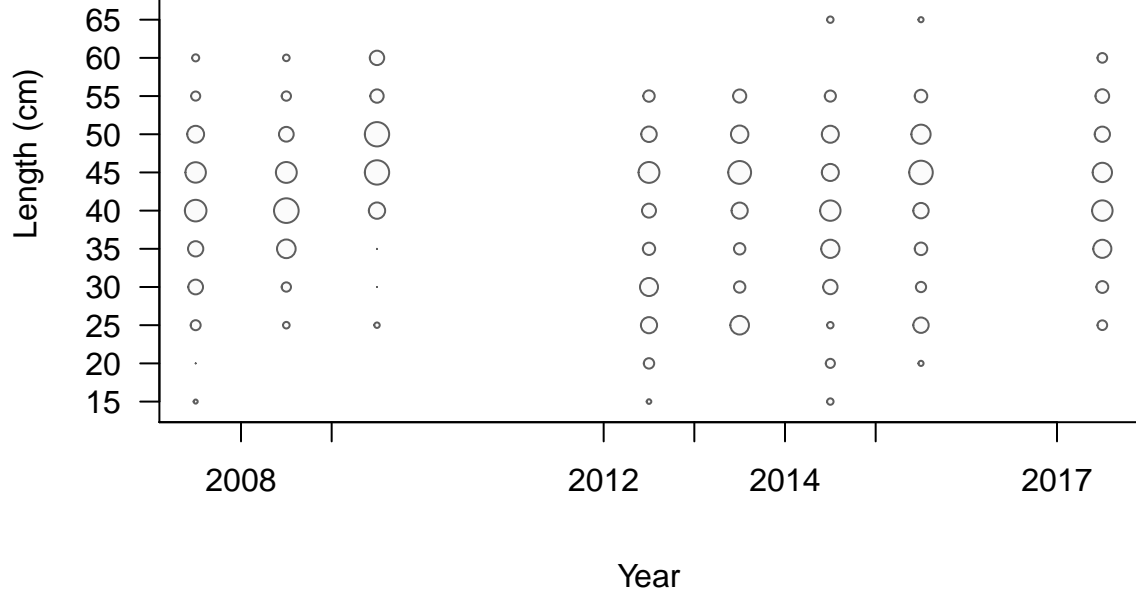




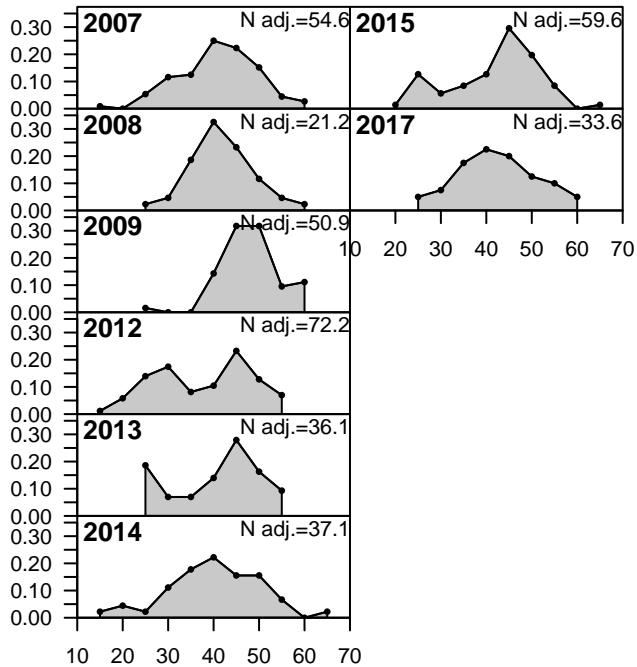


FISHERY

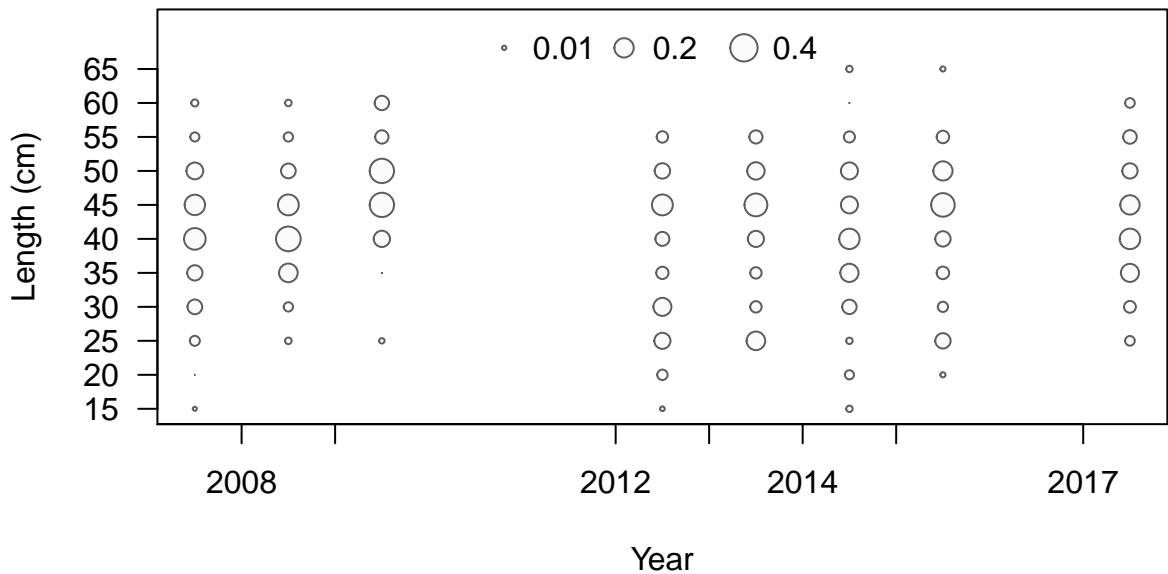
• 0.01 ○ 0.2 ○ 0.4



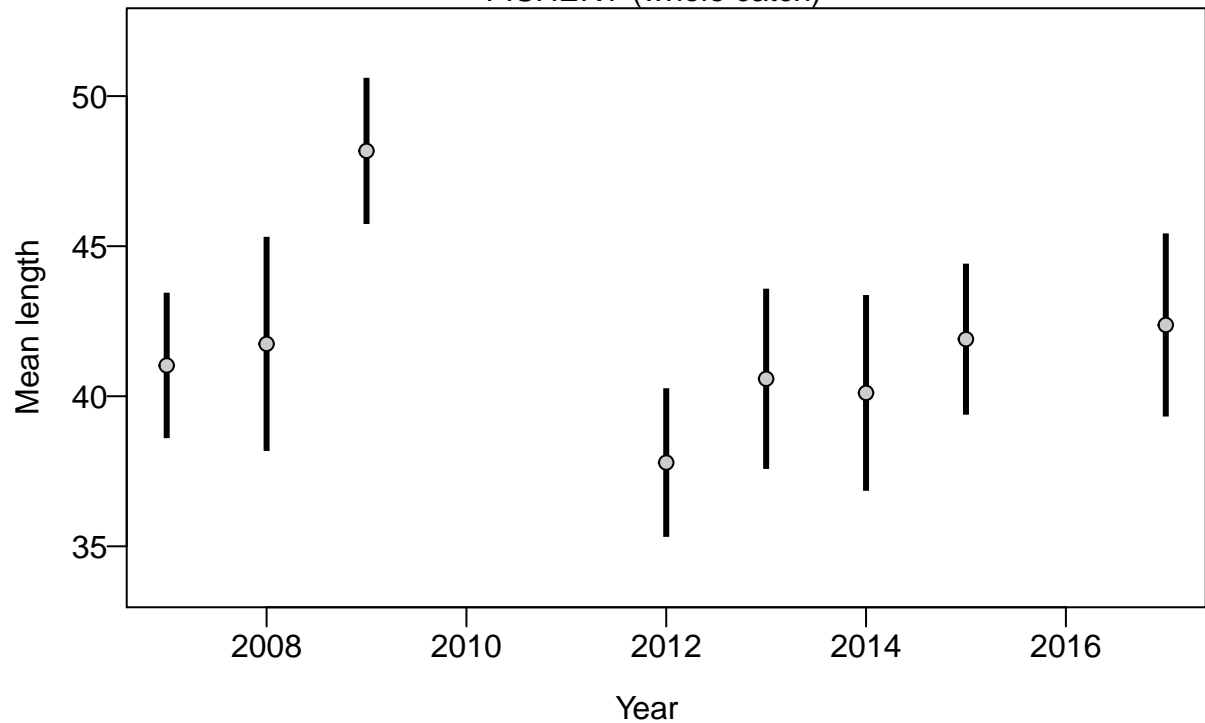
Proportion



Length (cm)

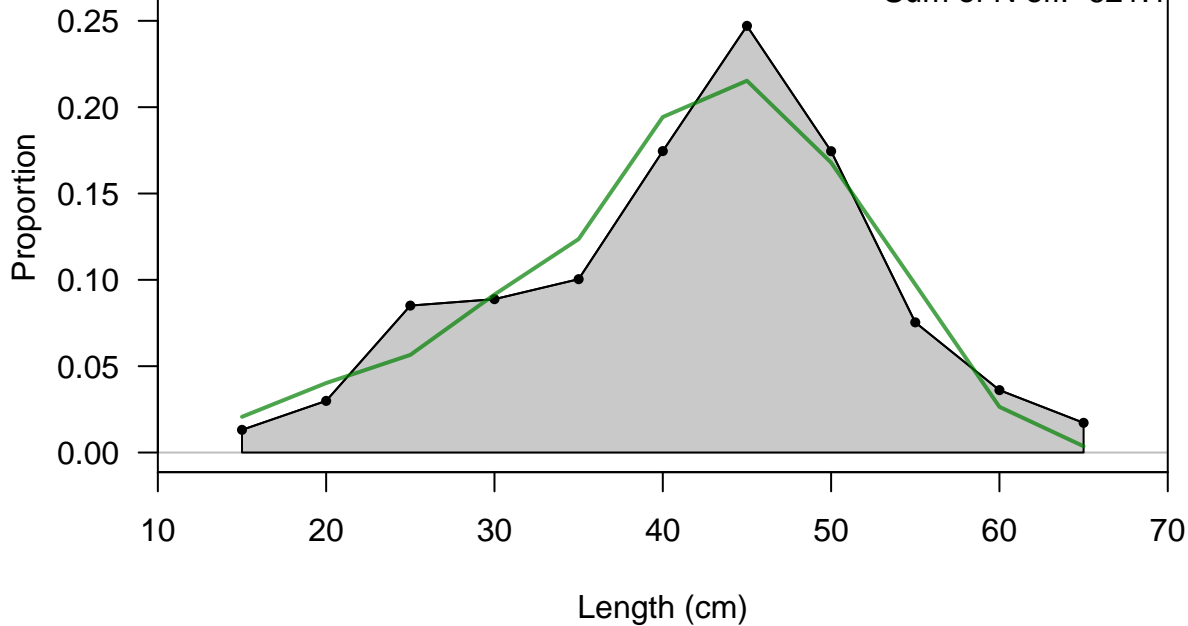


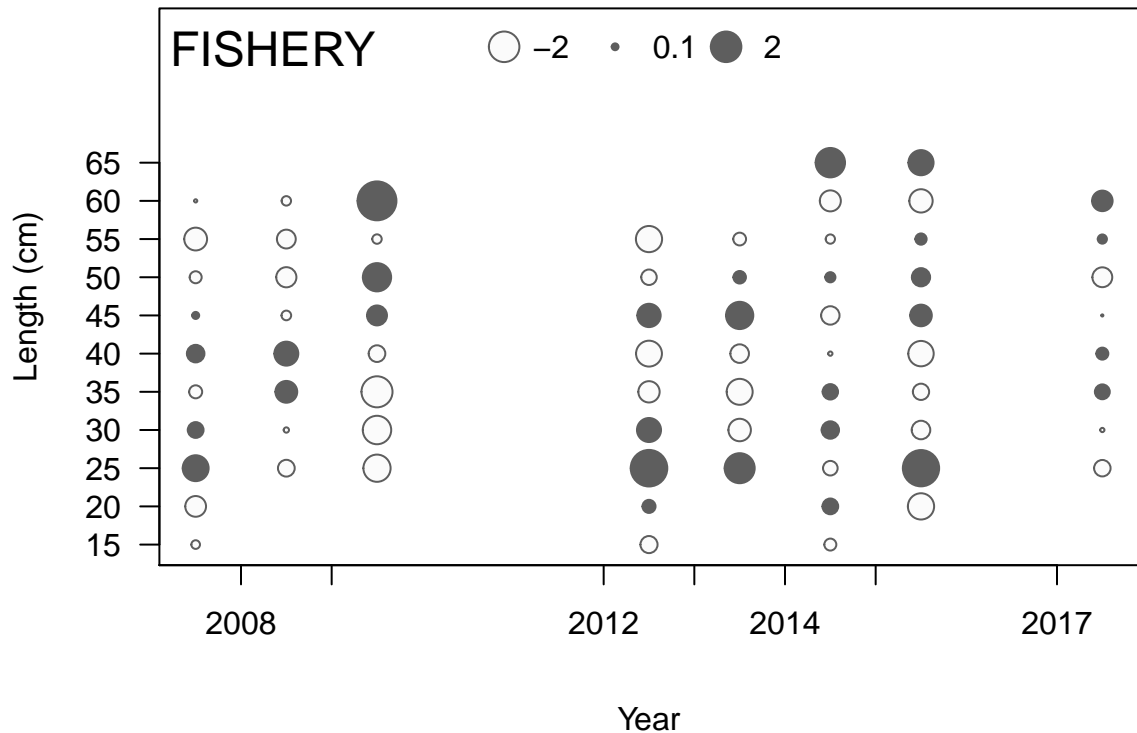
FISHERY (whole catch)



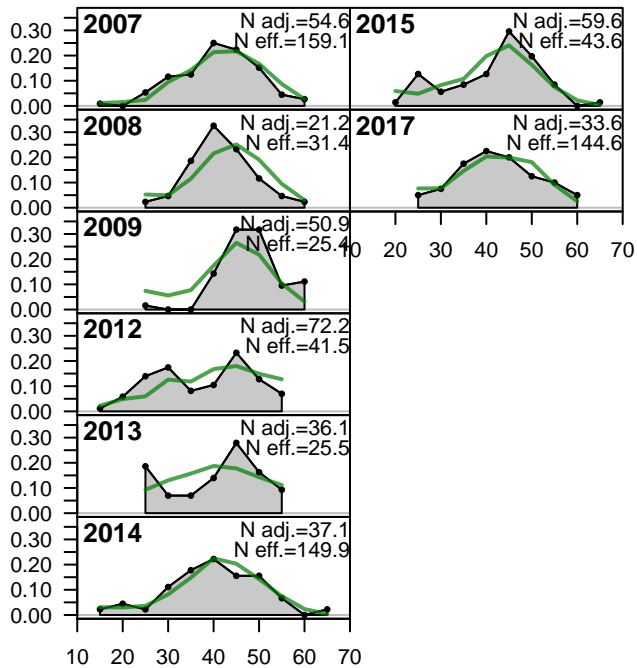
FISHERY

Sum of N adj.=365.4
Sum of N eff.=621.1

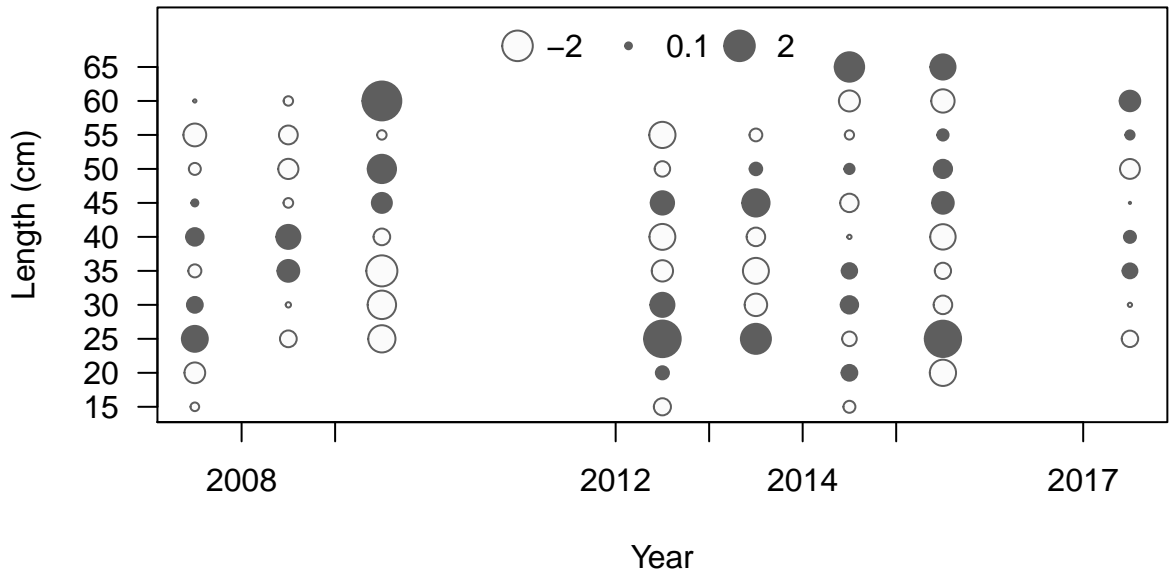


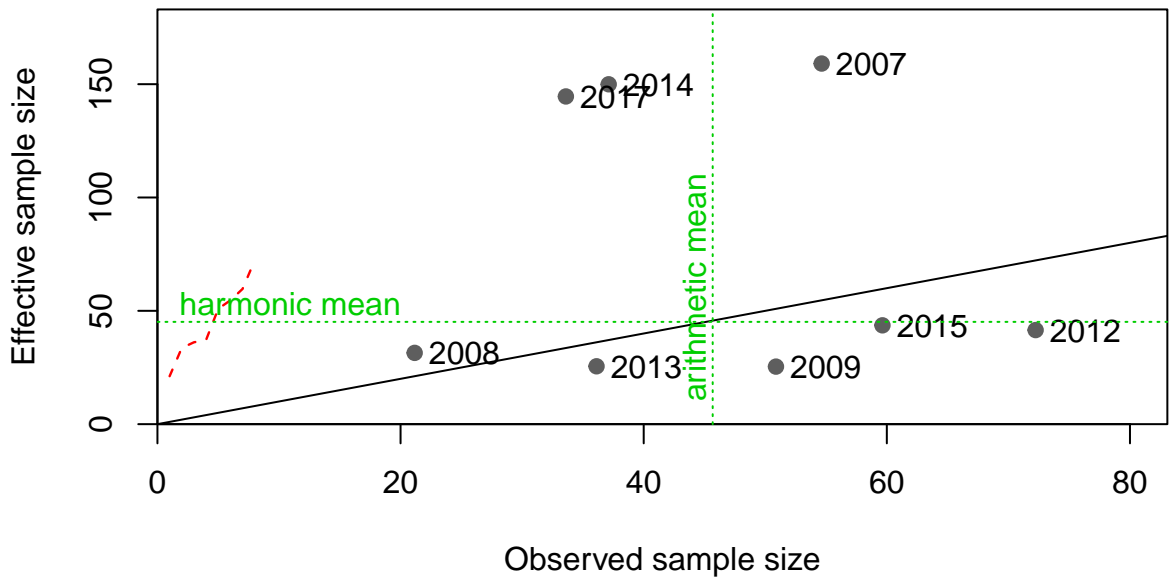


Proportion

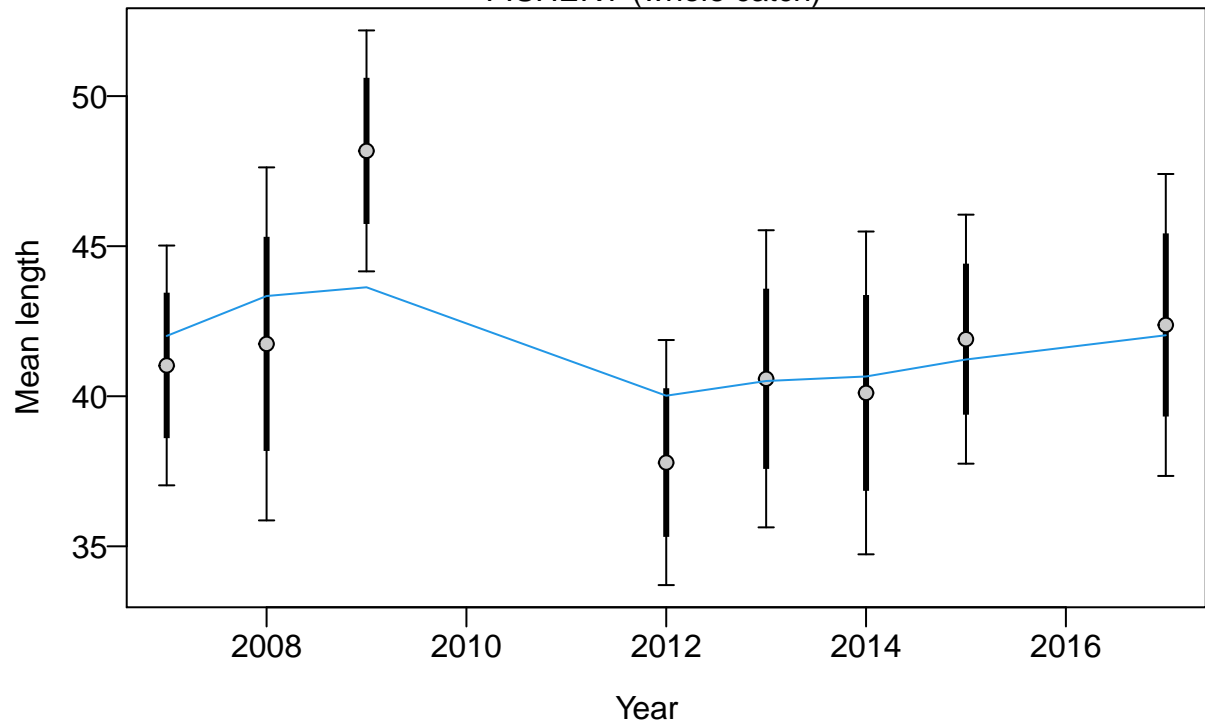


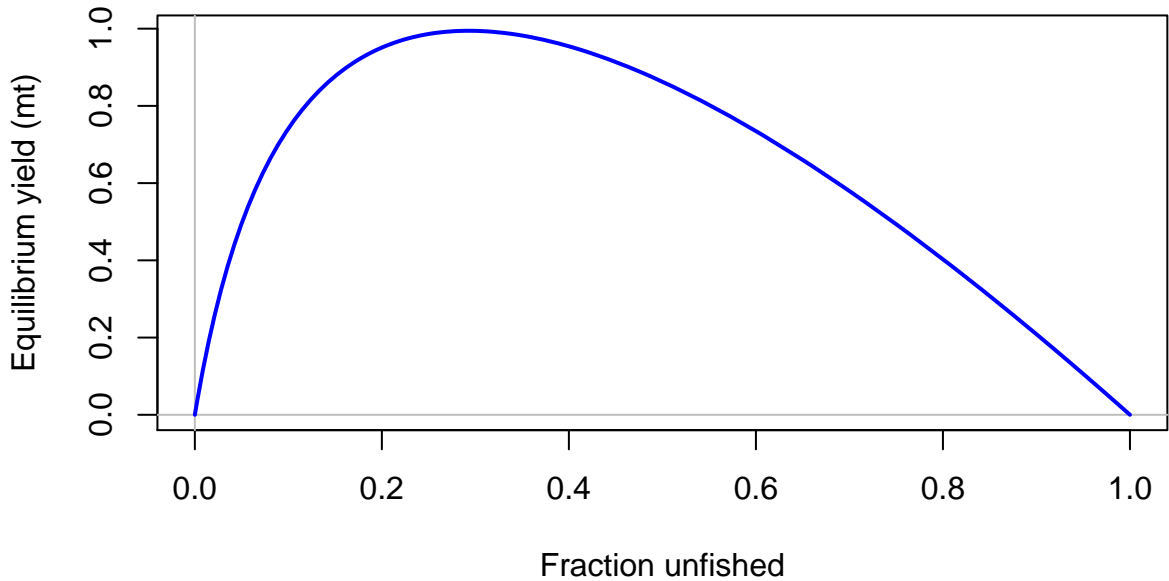
Length (cm)

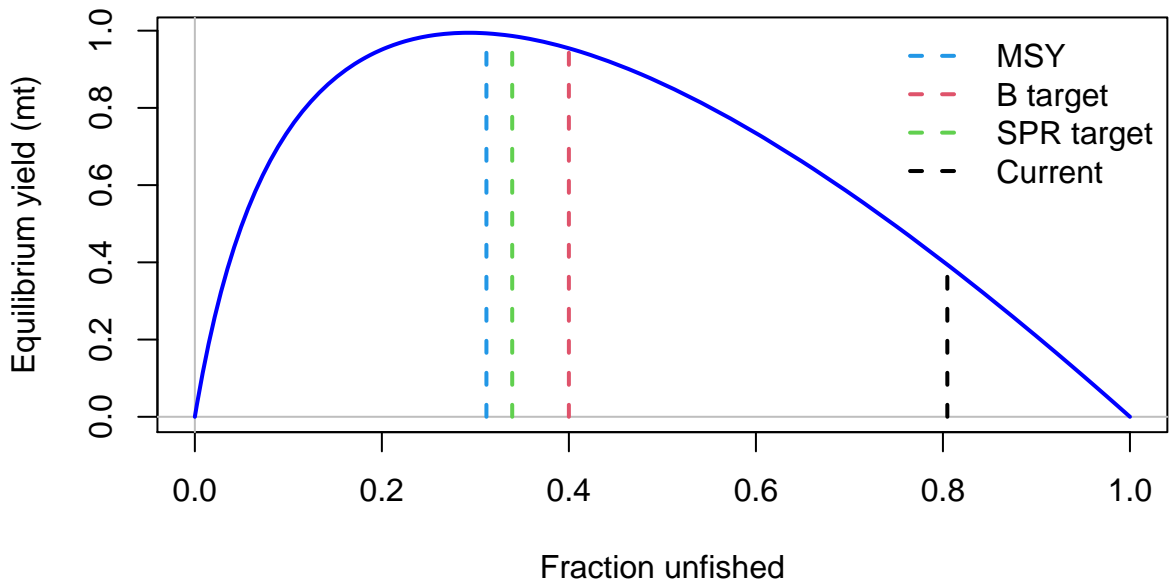


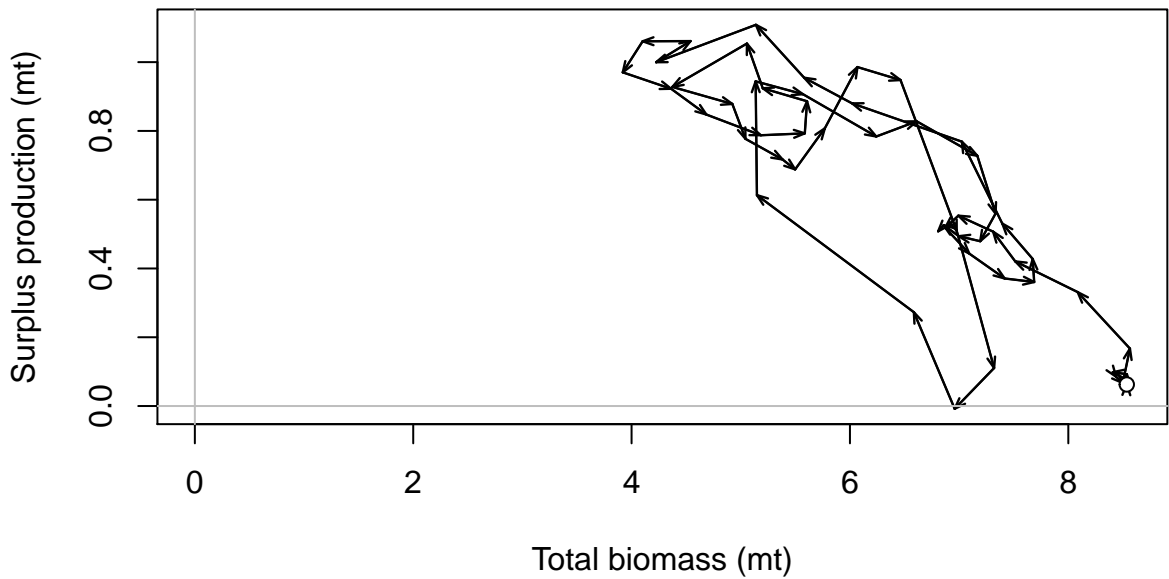


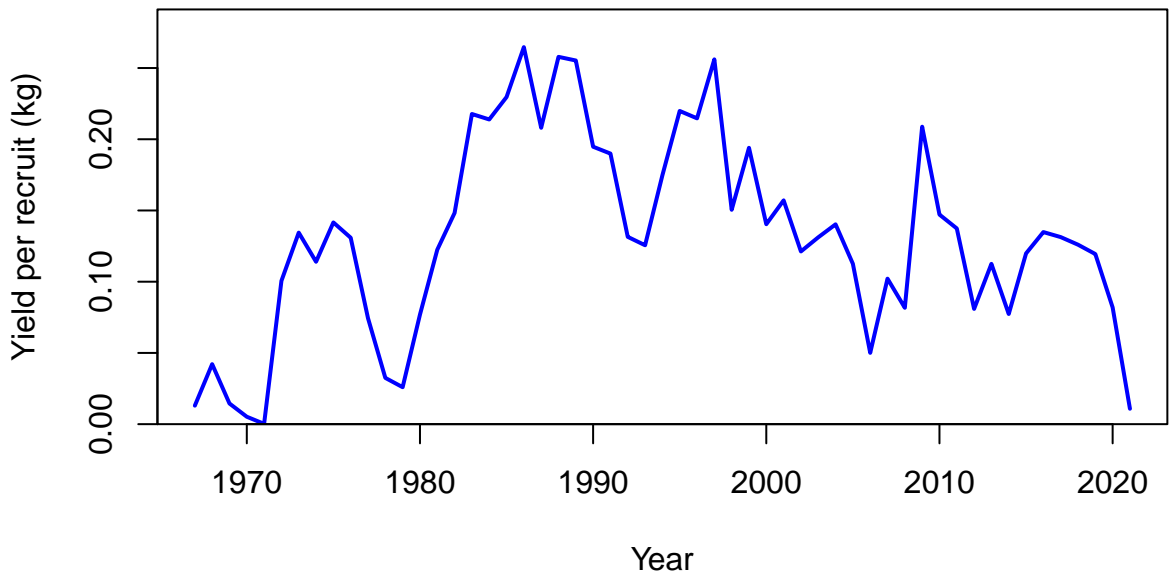
FISHERY (whole catch)

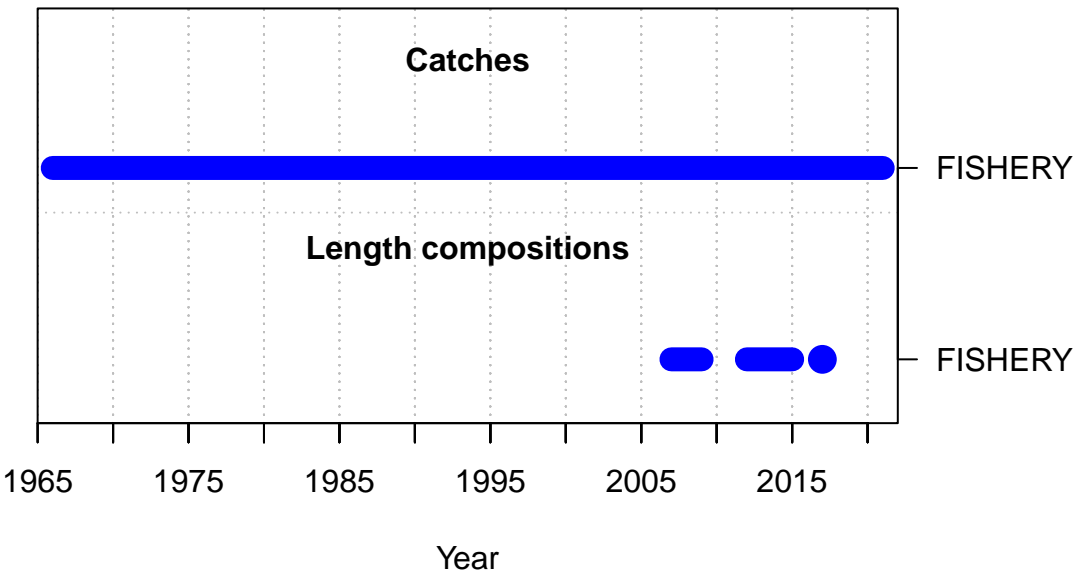


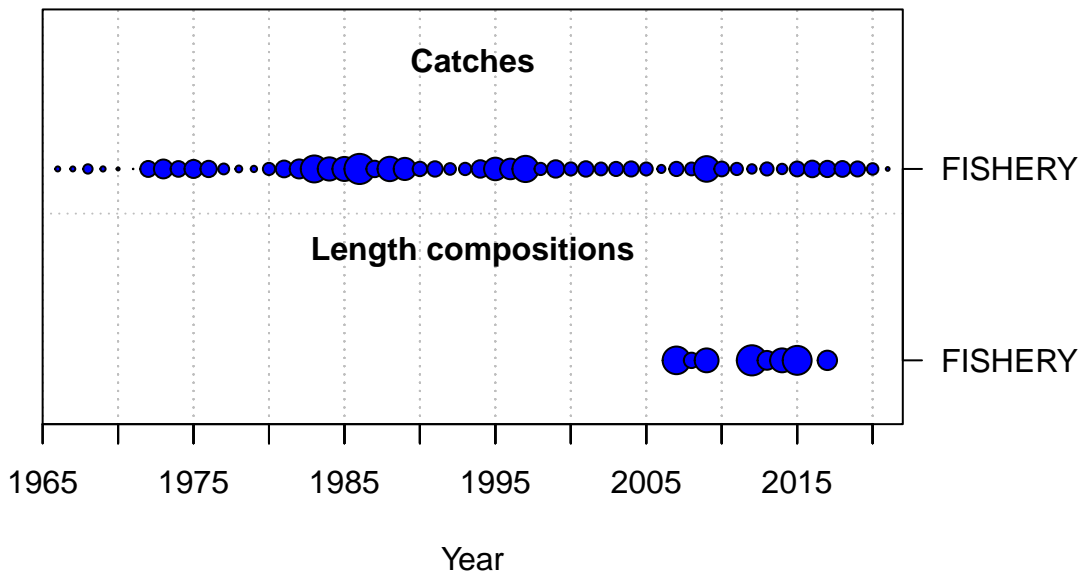




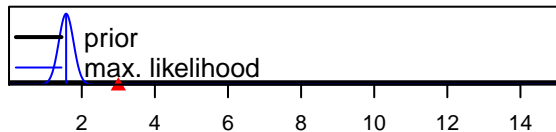




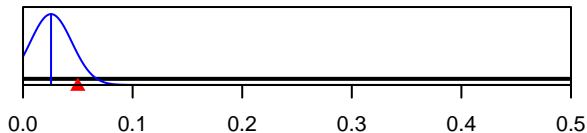




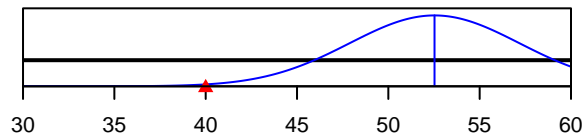
SR_LN(R0)



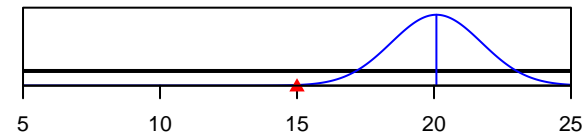
InitF_seas_1_flt_1FISHERY



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Parameter value