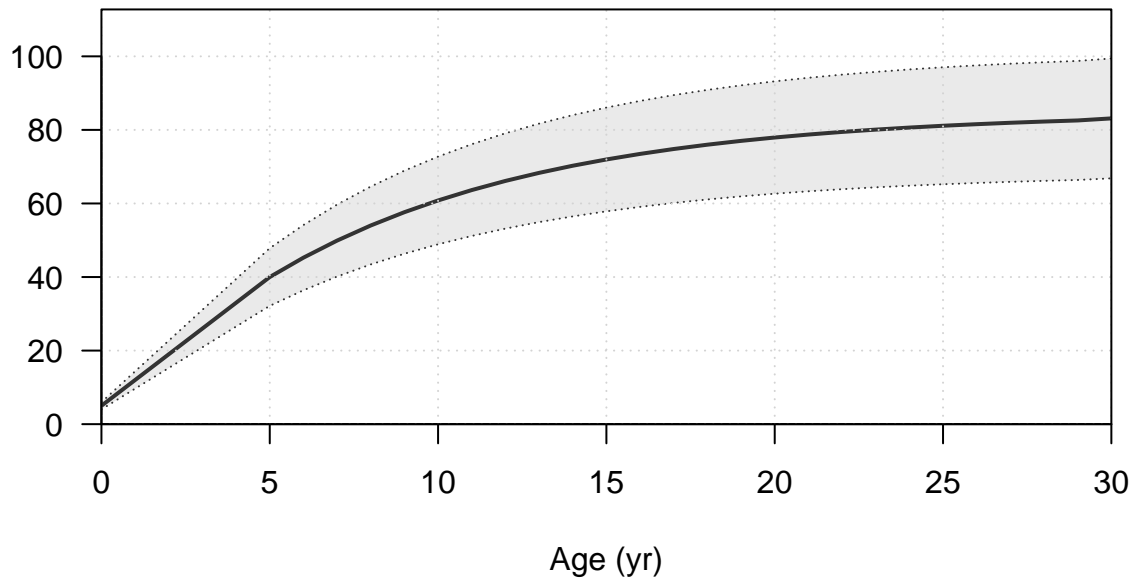
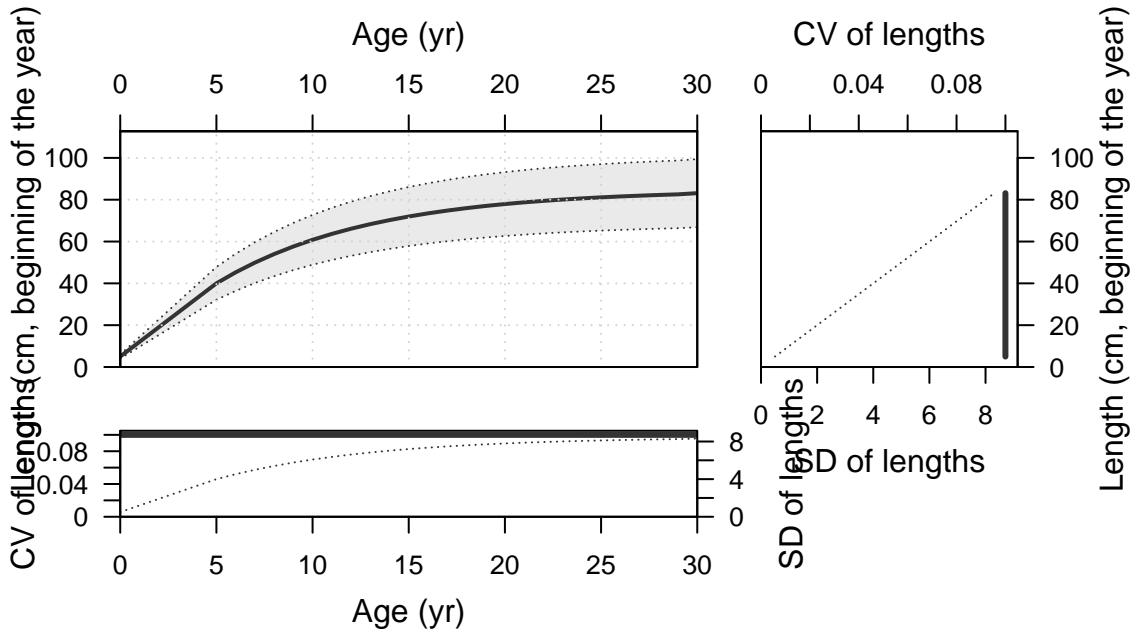
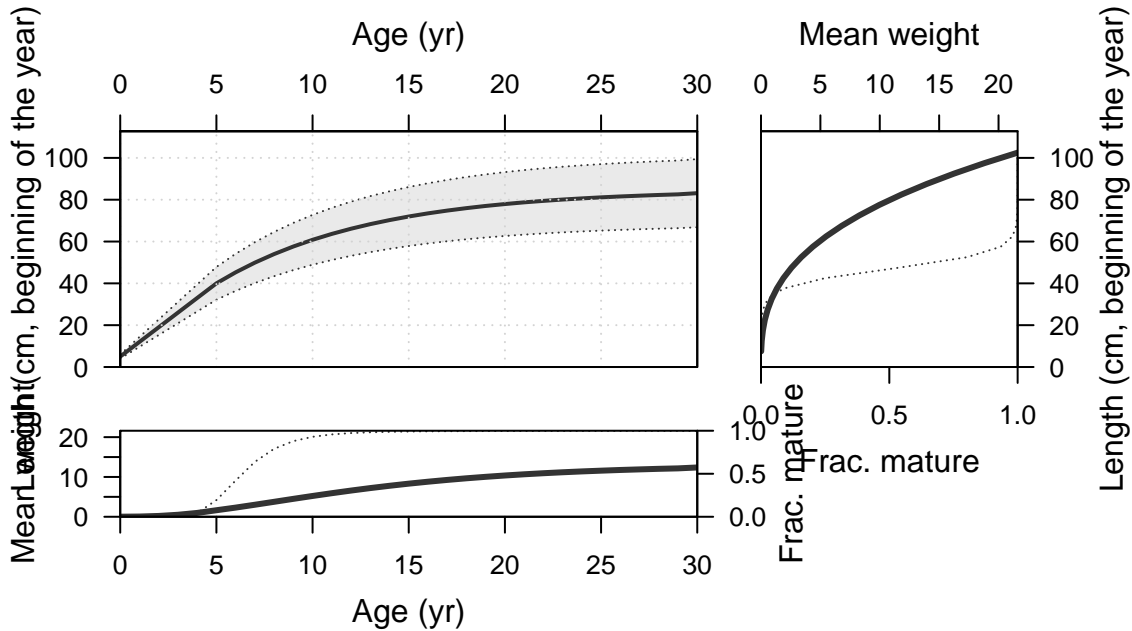


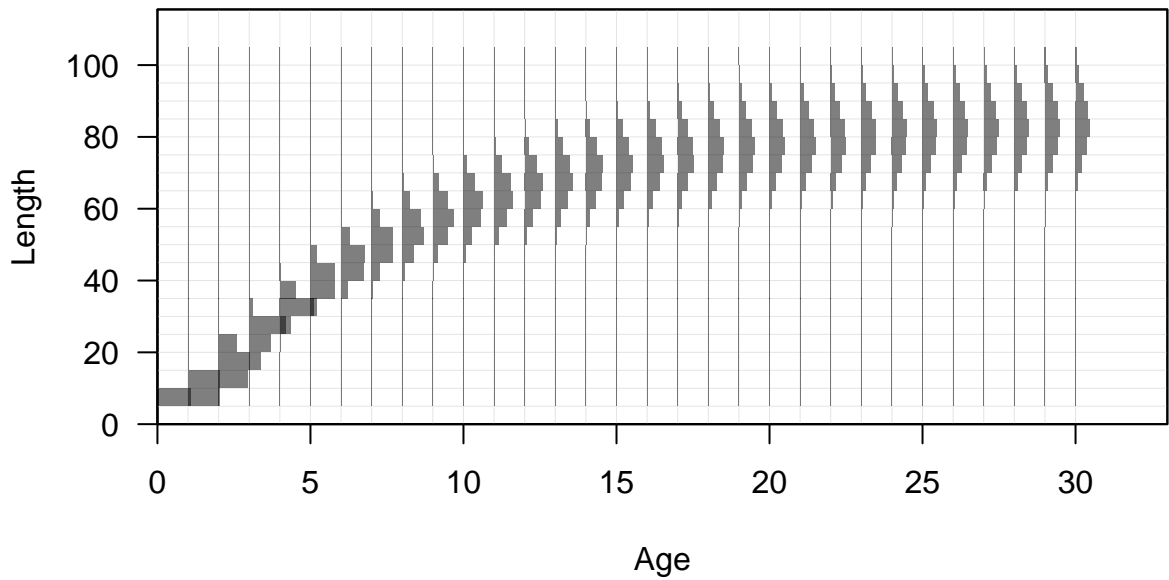
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Thu Jun 16 09:09:19 2022
Data_File: data.ss
Control_File: control.ss

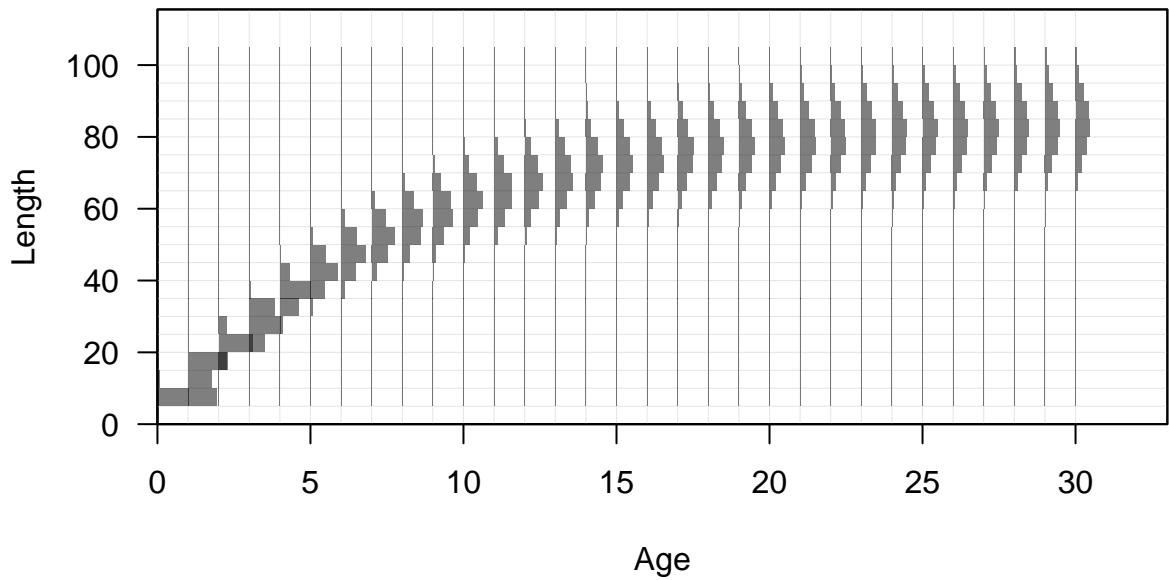
Length (cm, beginning of the year)

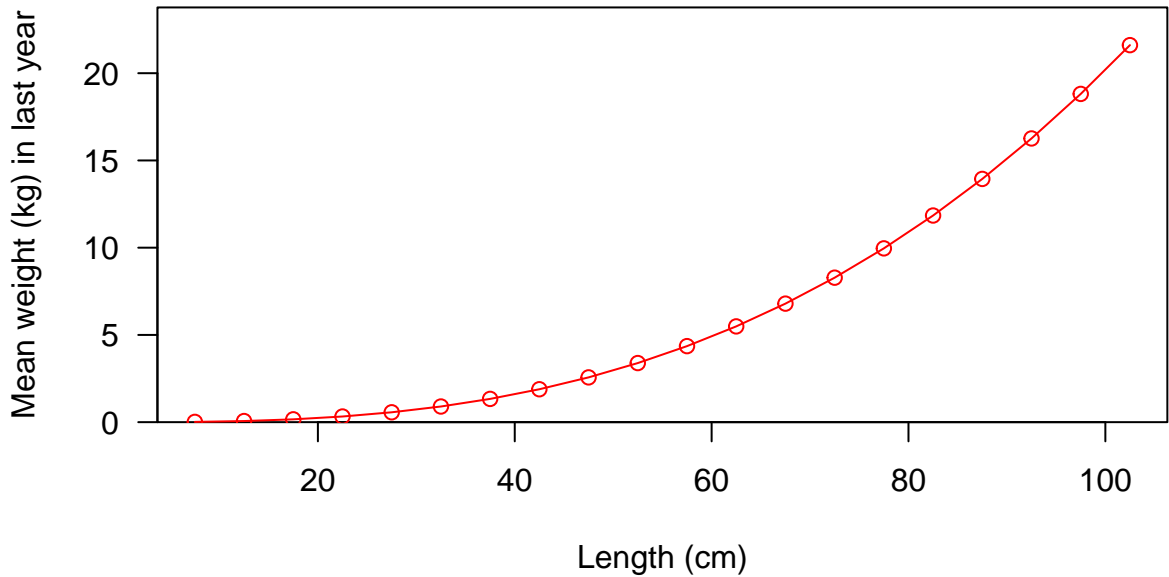




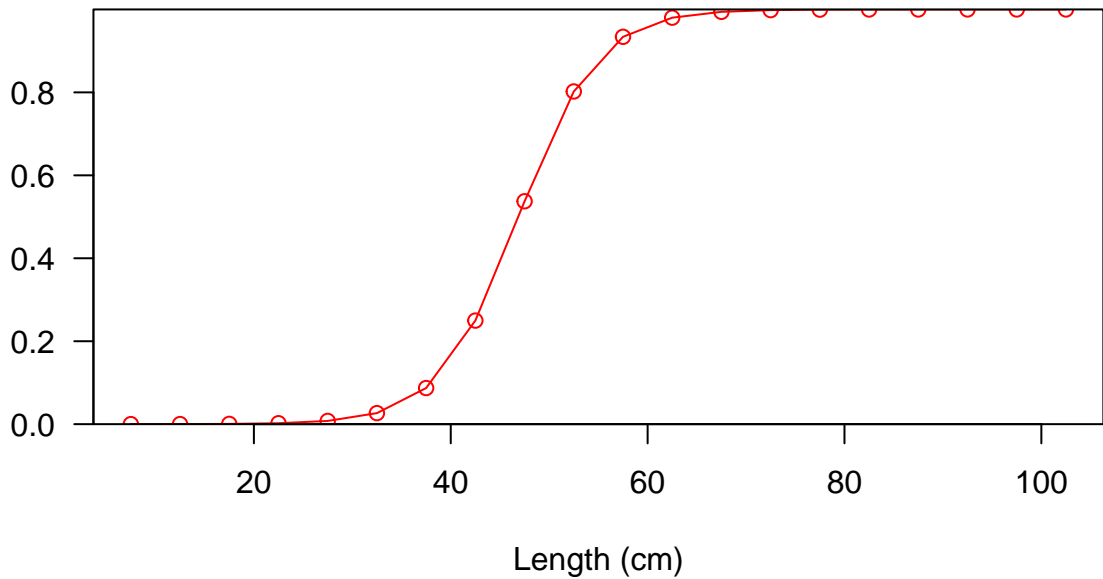


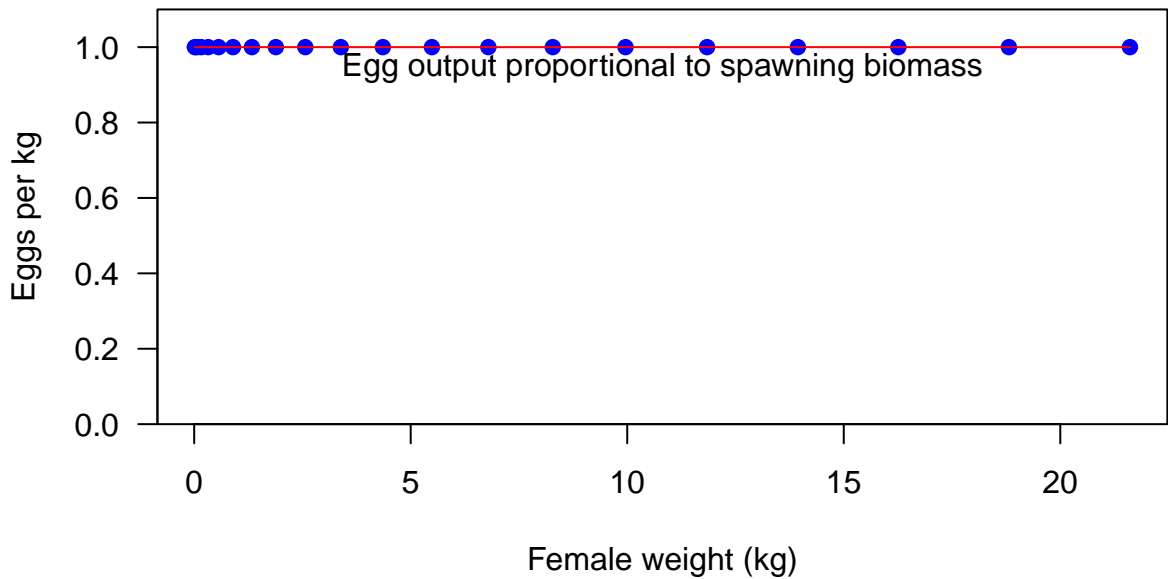




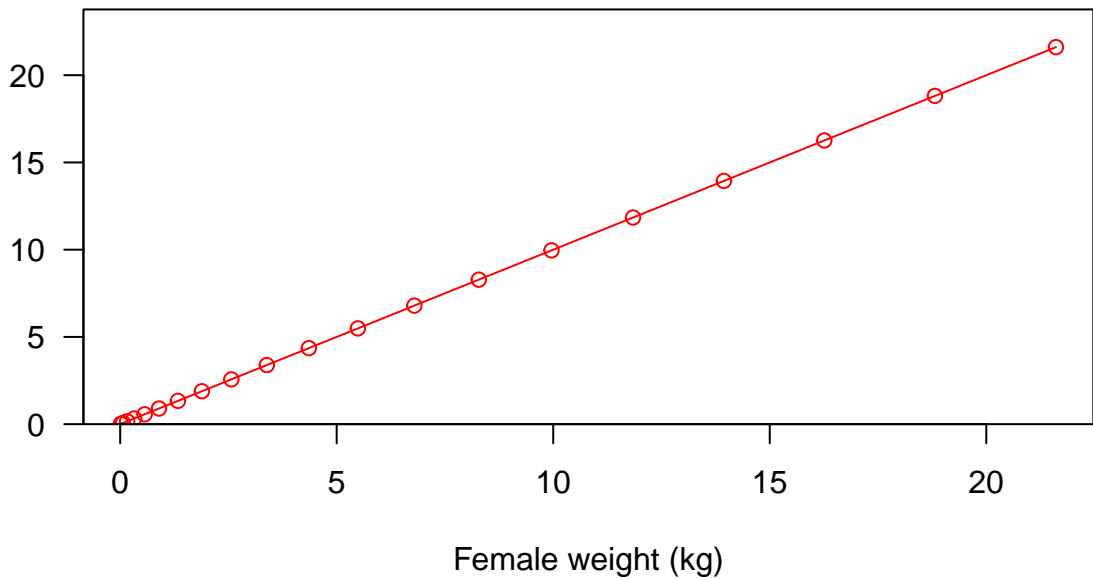


Maturity

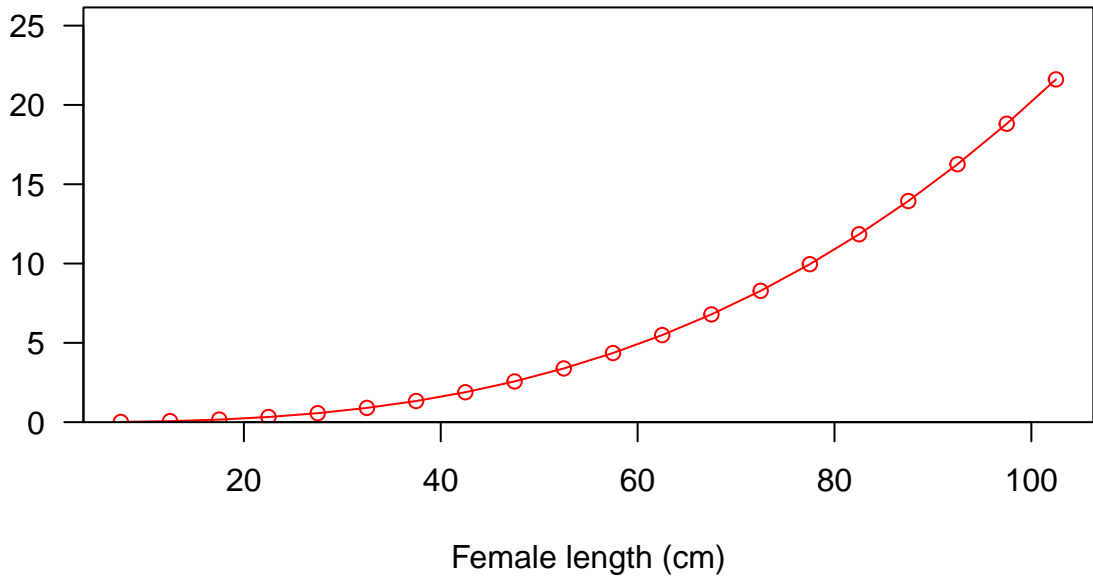




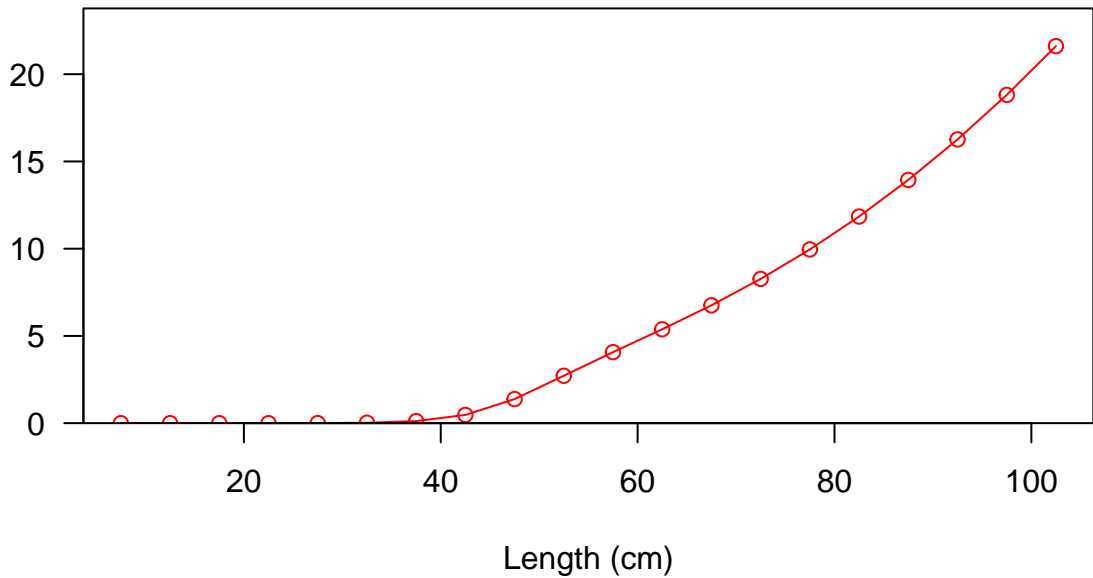
Fecundity



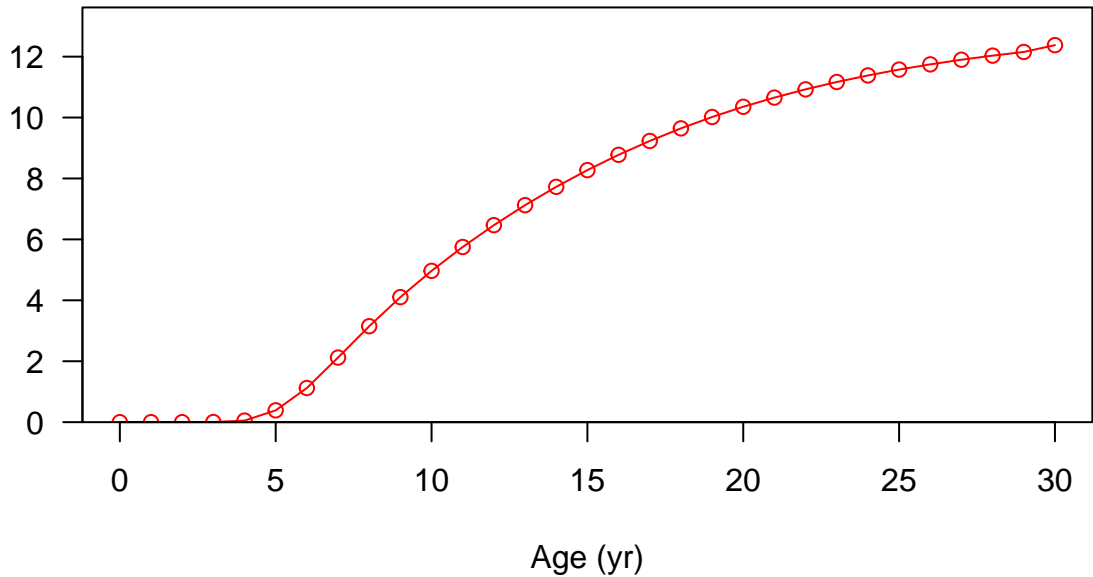
Fecundity



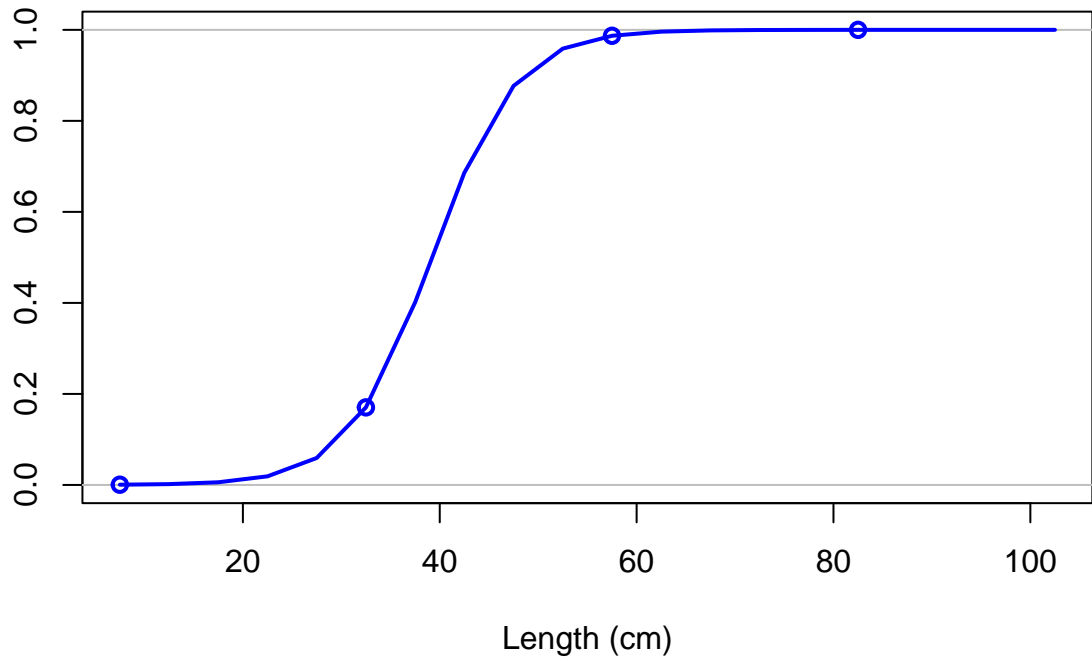
Spawning output



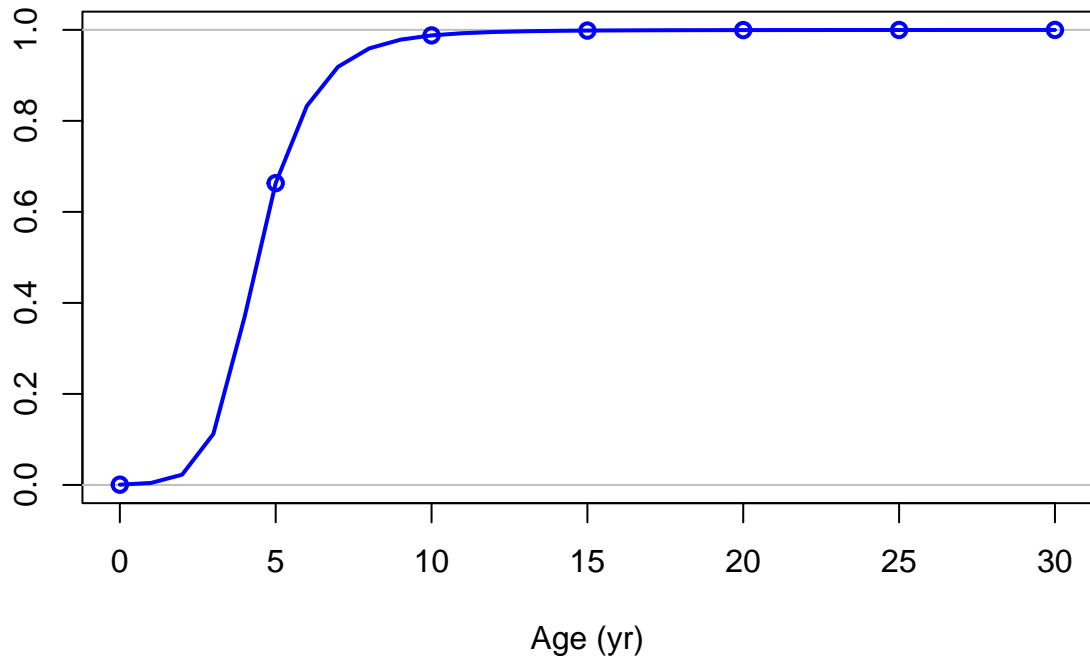
Spawning output



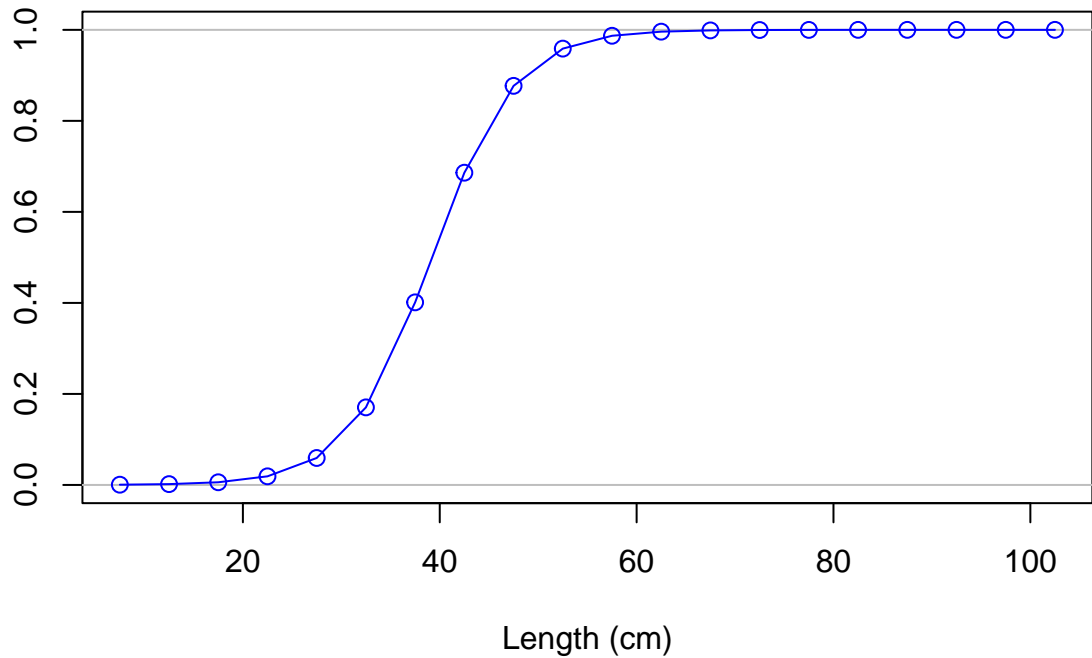
Selectivity

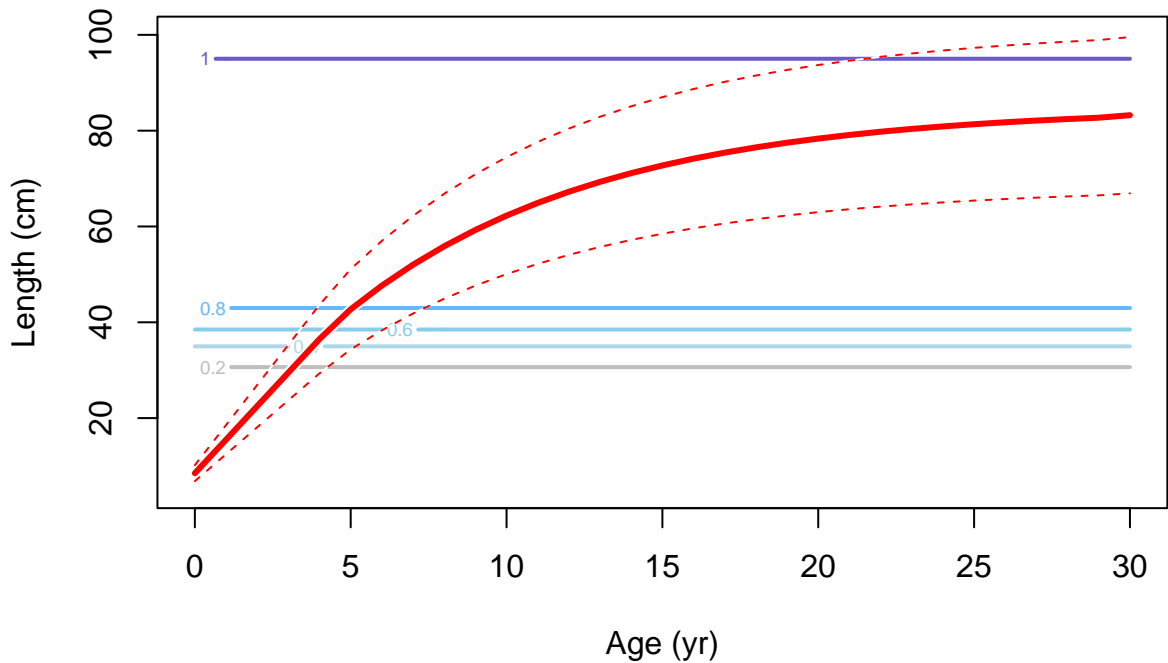


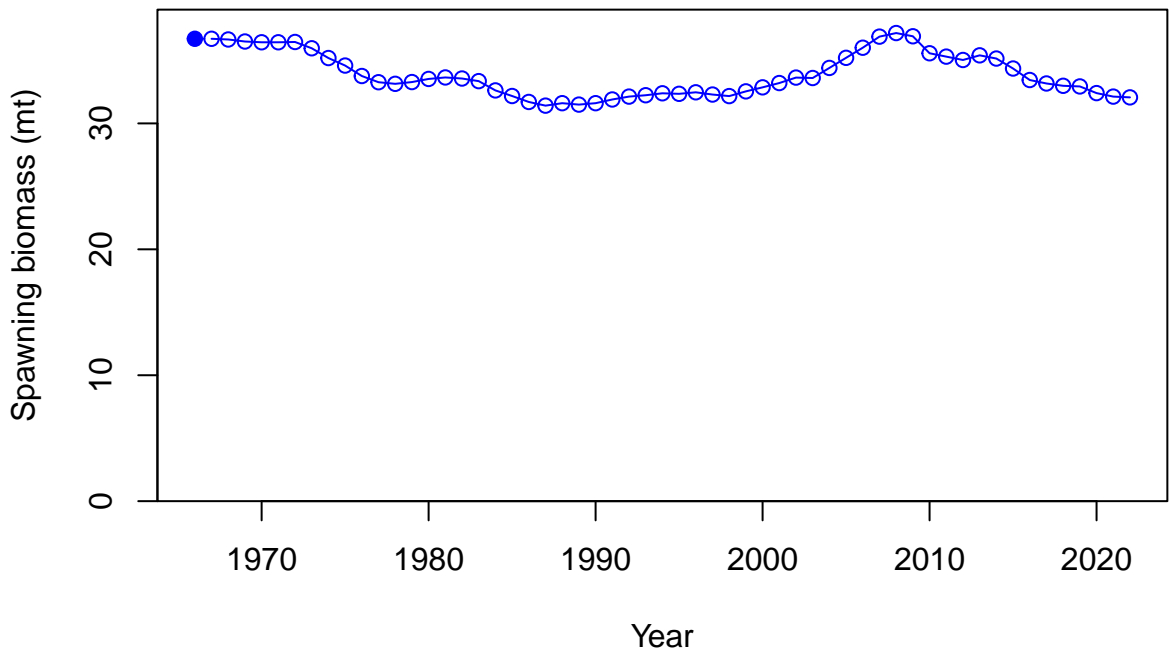
Selectivity

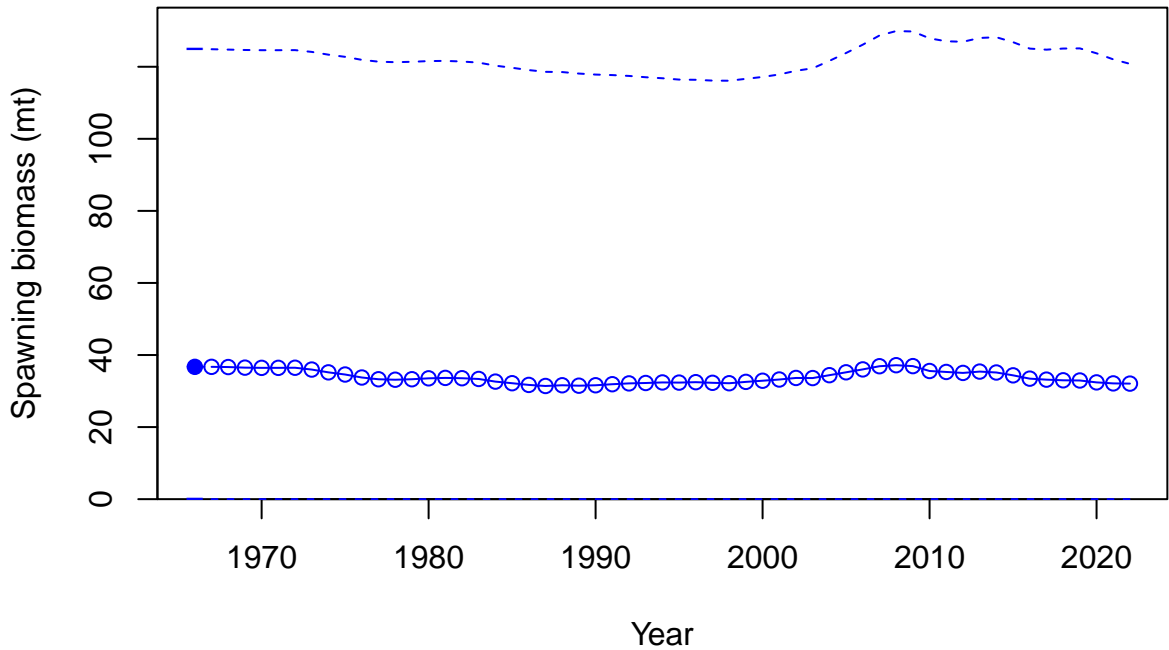


Selectivity

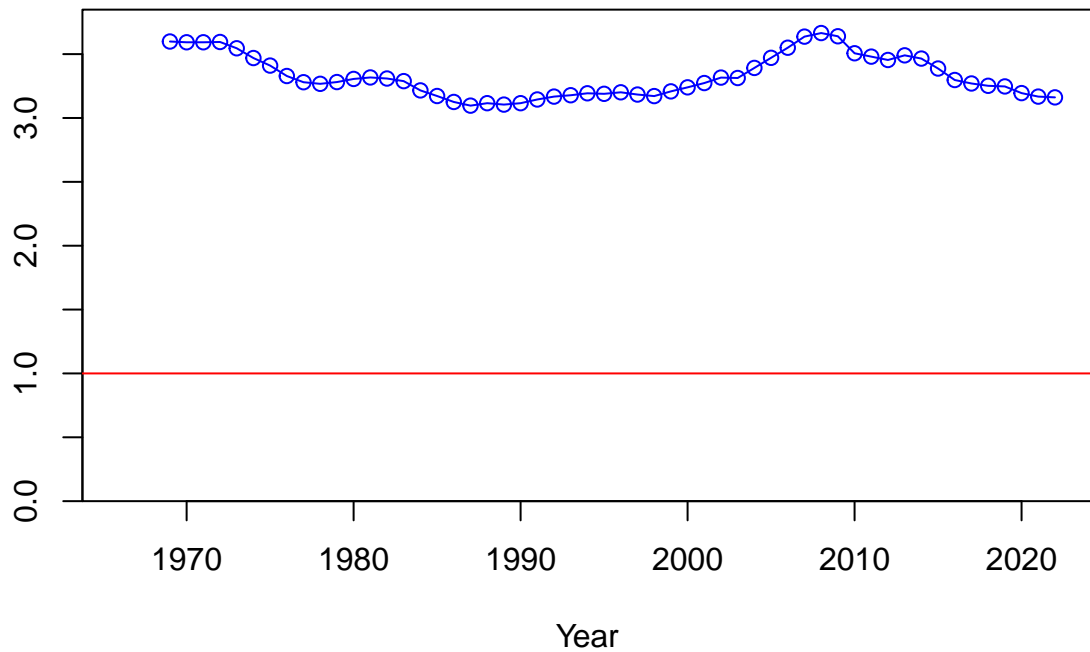




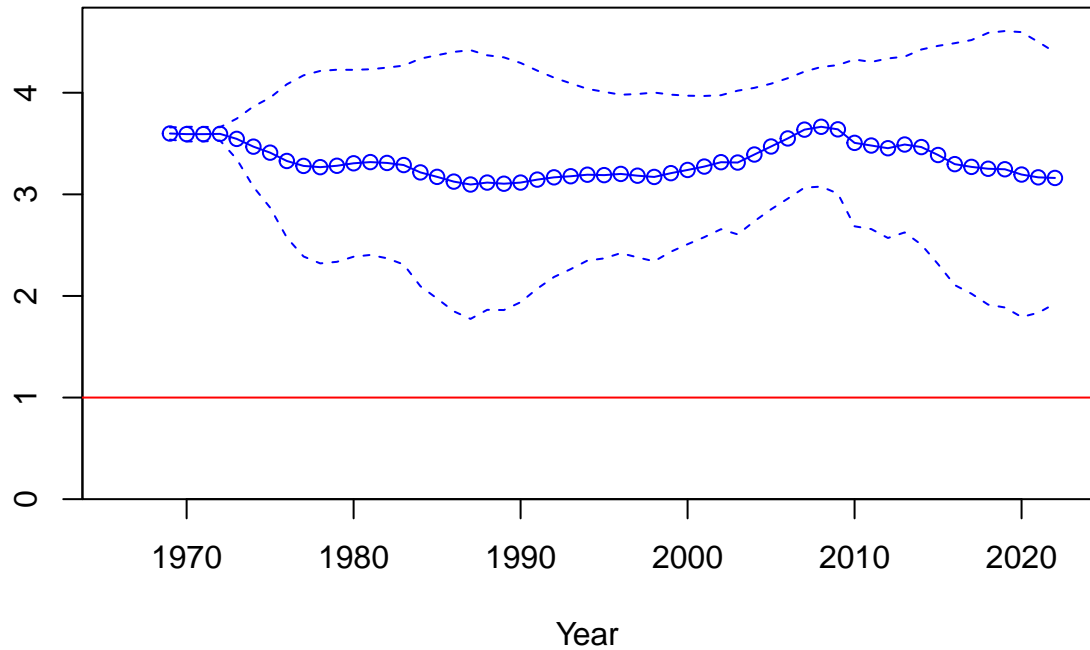


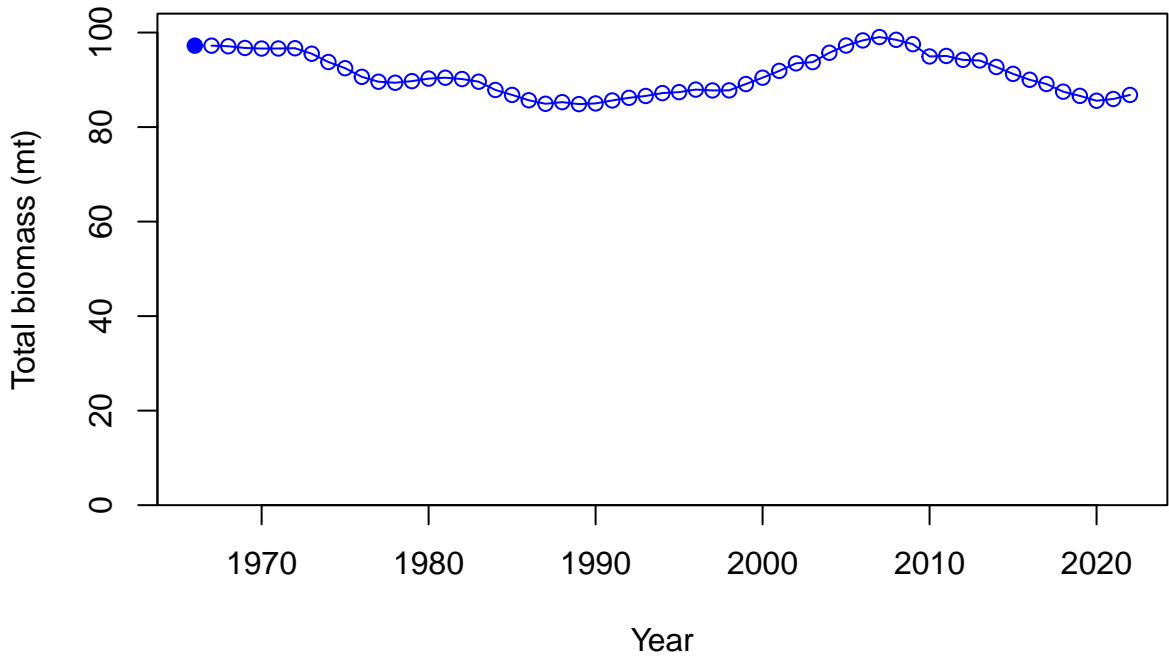


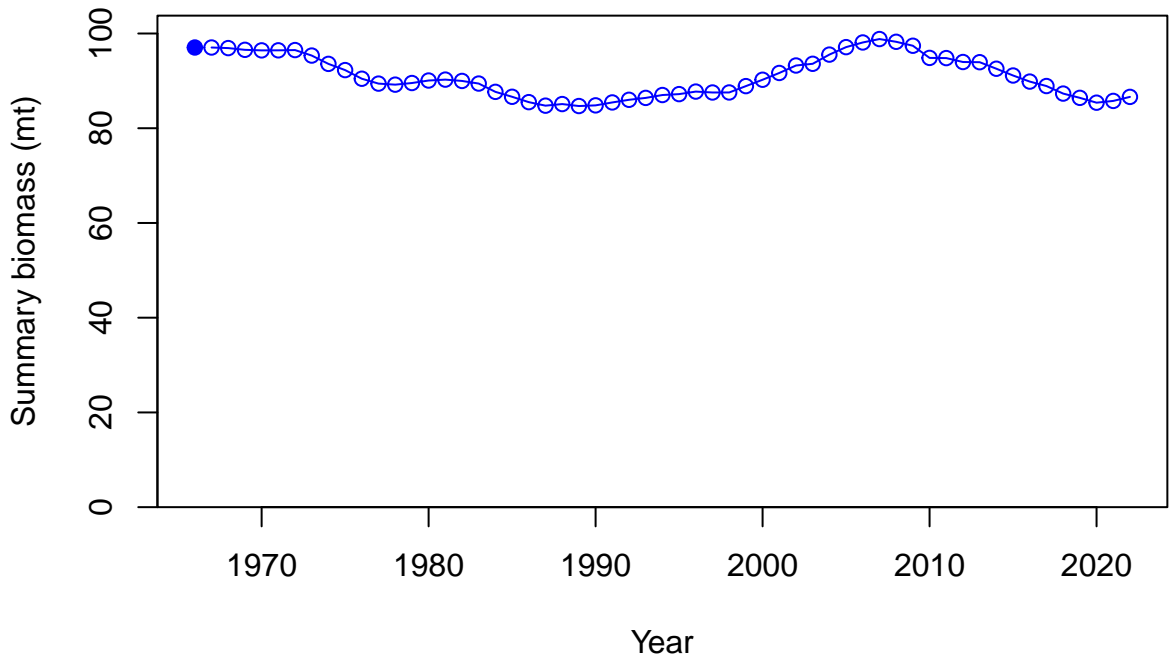
Relative spawning biomass: B/B_{MSY}



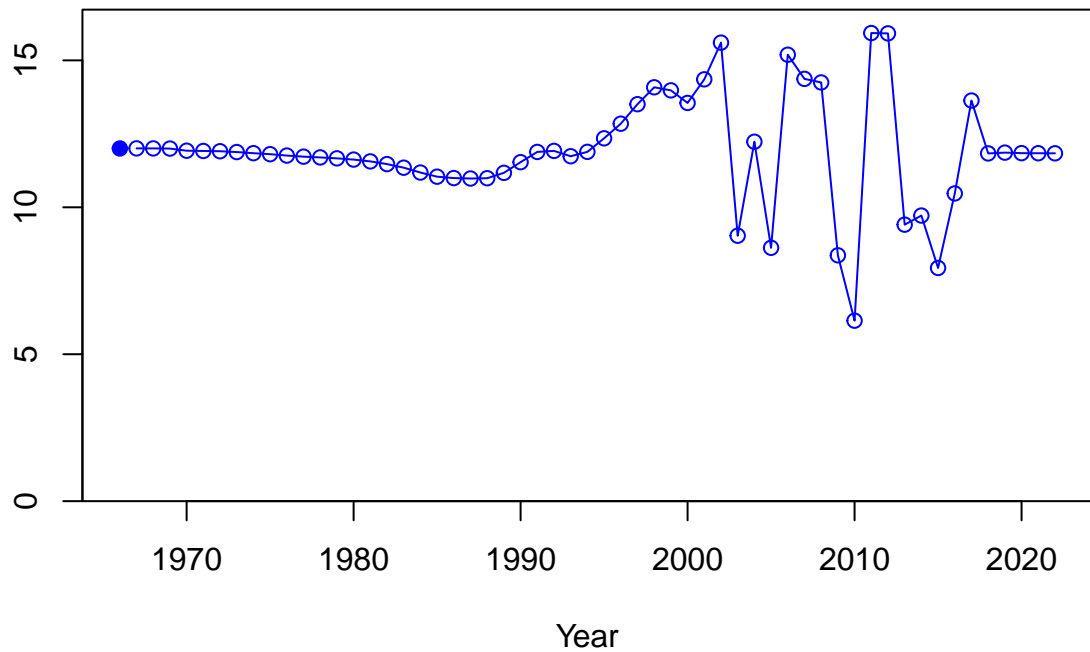
Relative spawning biomass: B/B_{MSY}

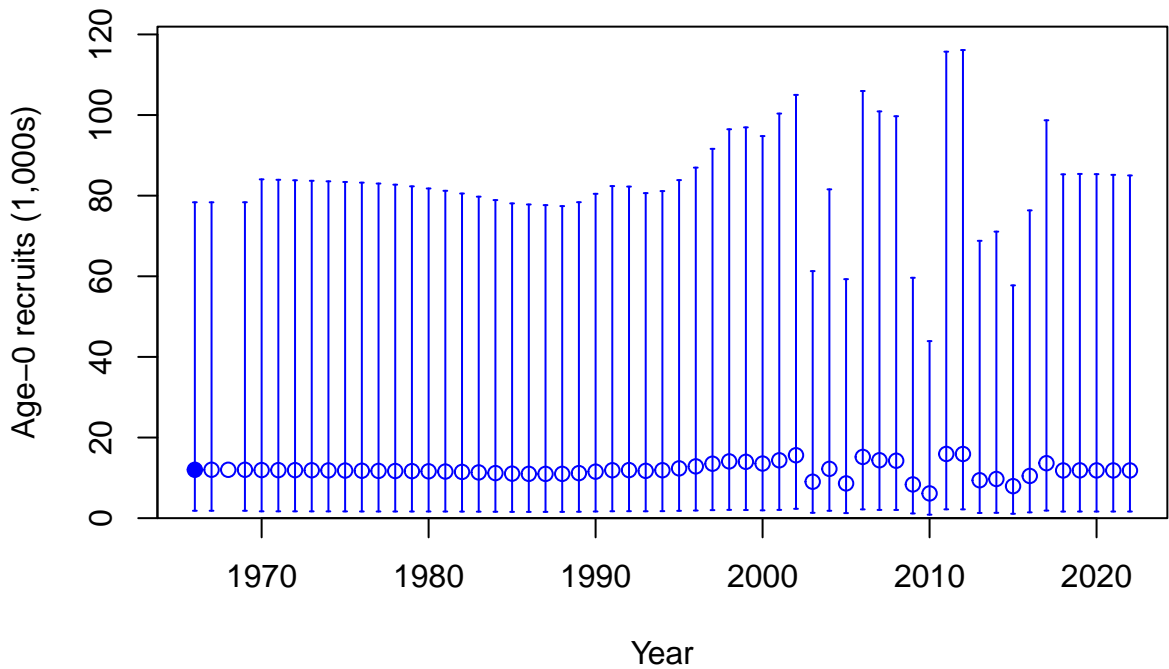




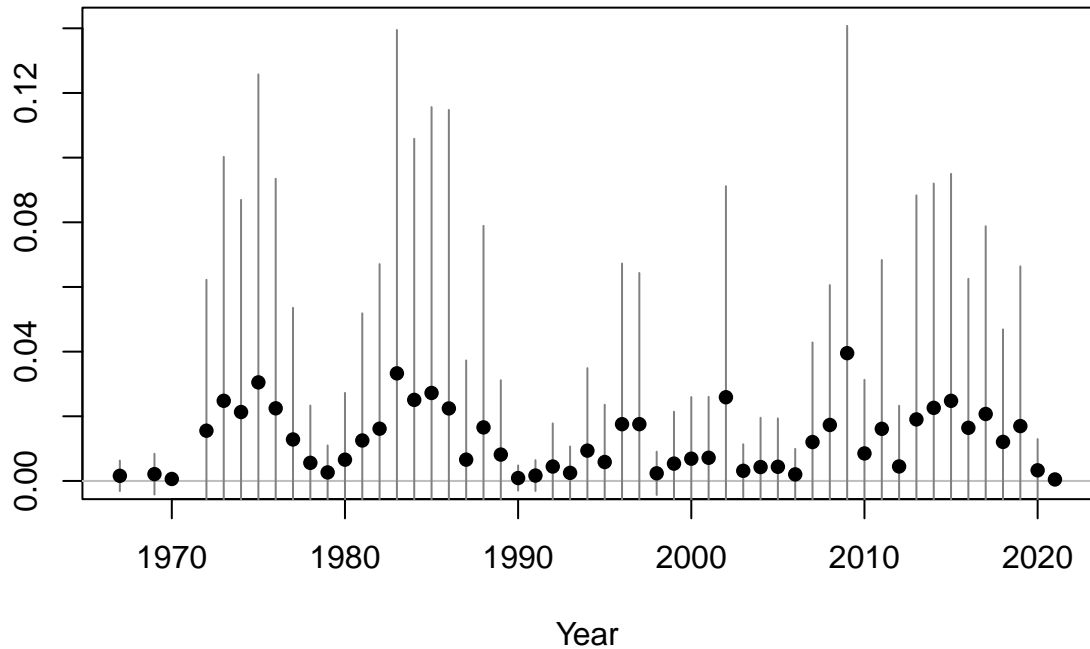


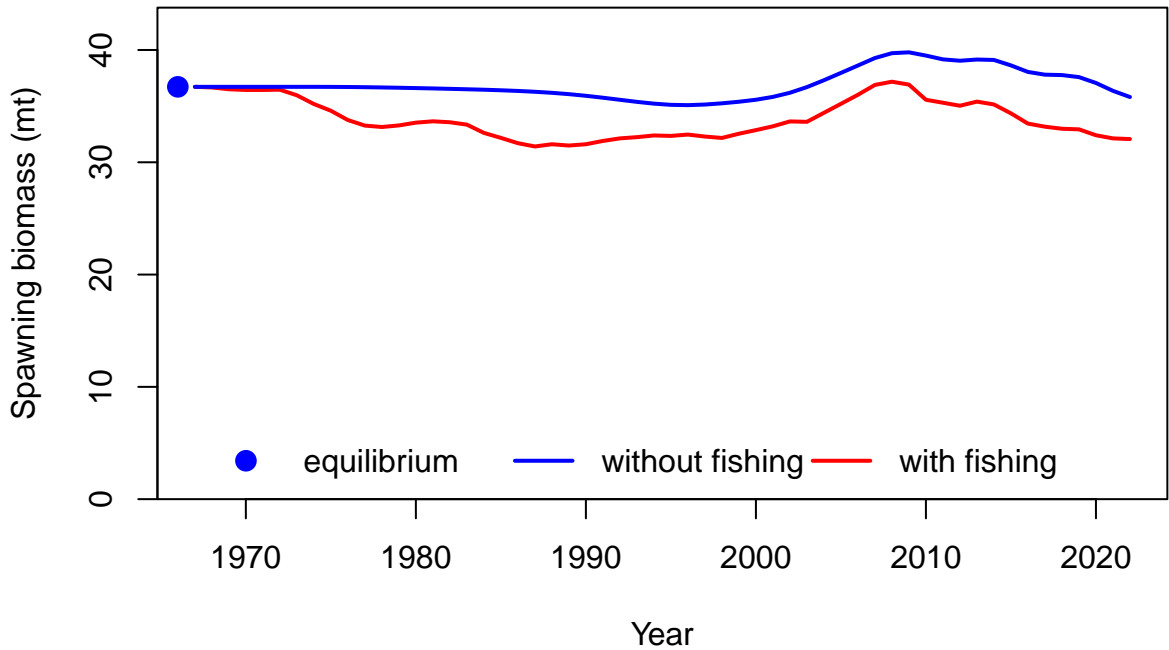
Age-0 recruits (1,000s)



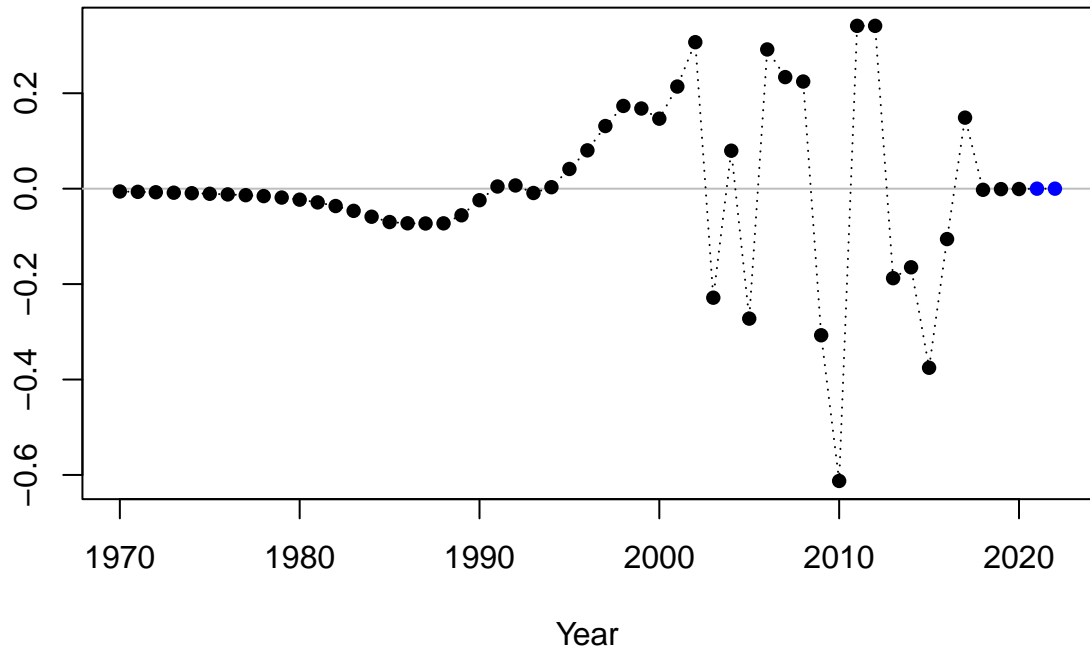


Summary Fishing Mortality

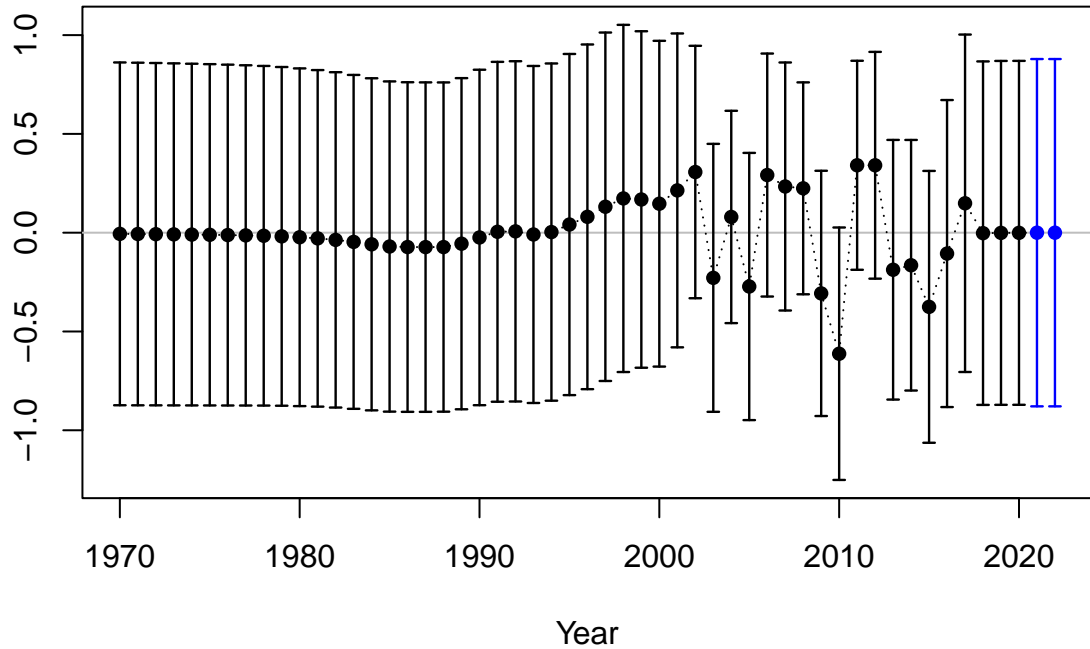




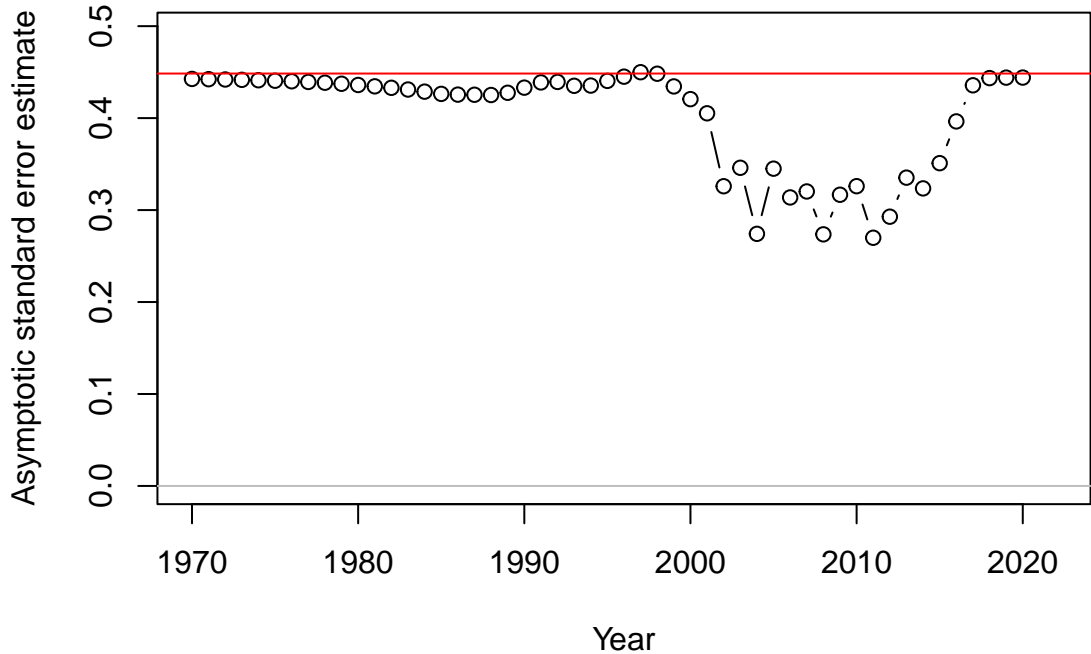
Log recruitment deviation

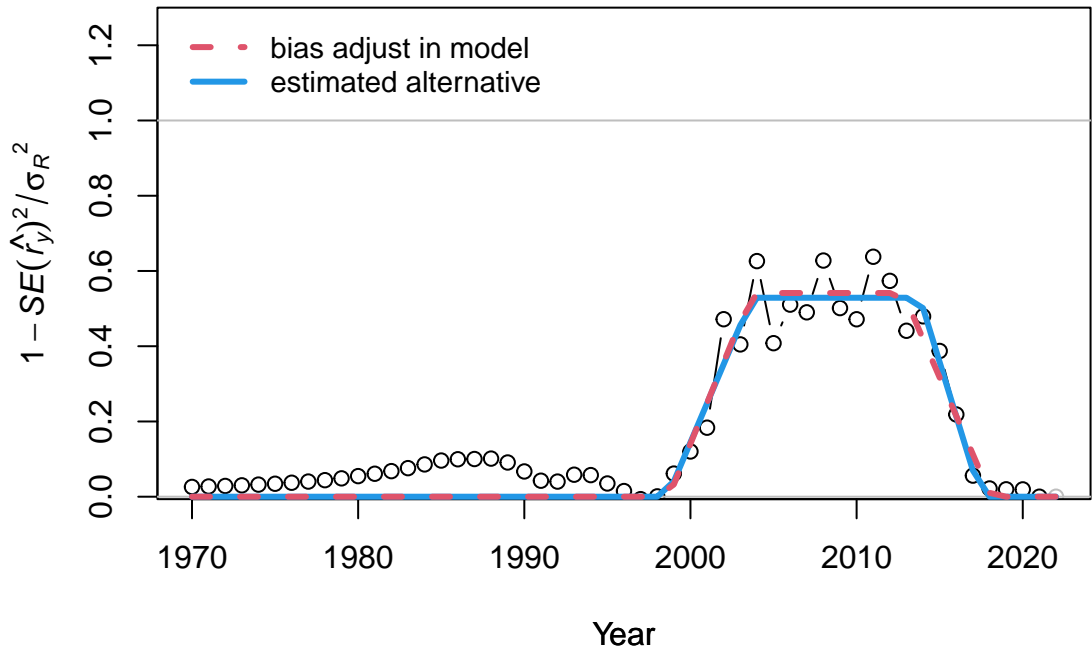


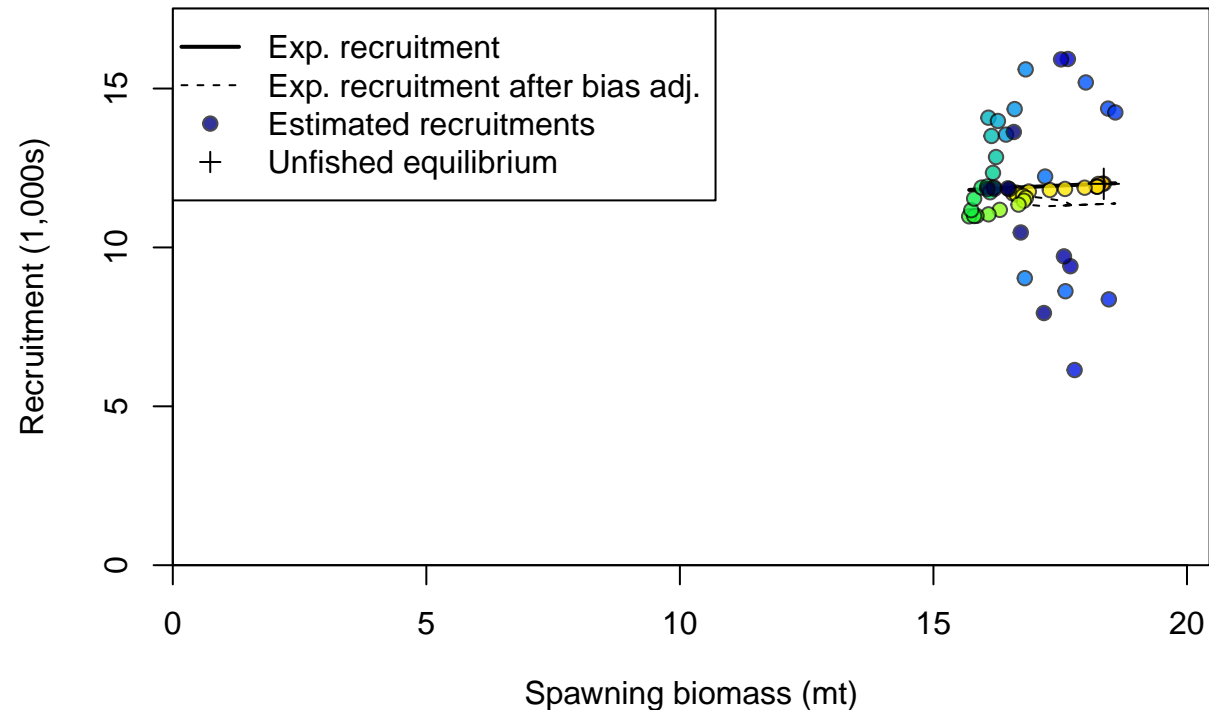
Log recruitment deviation

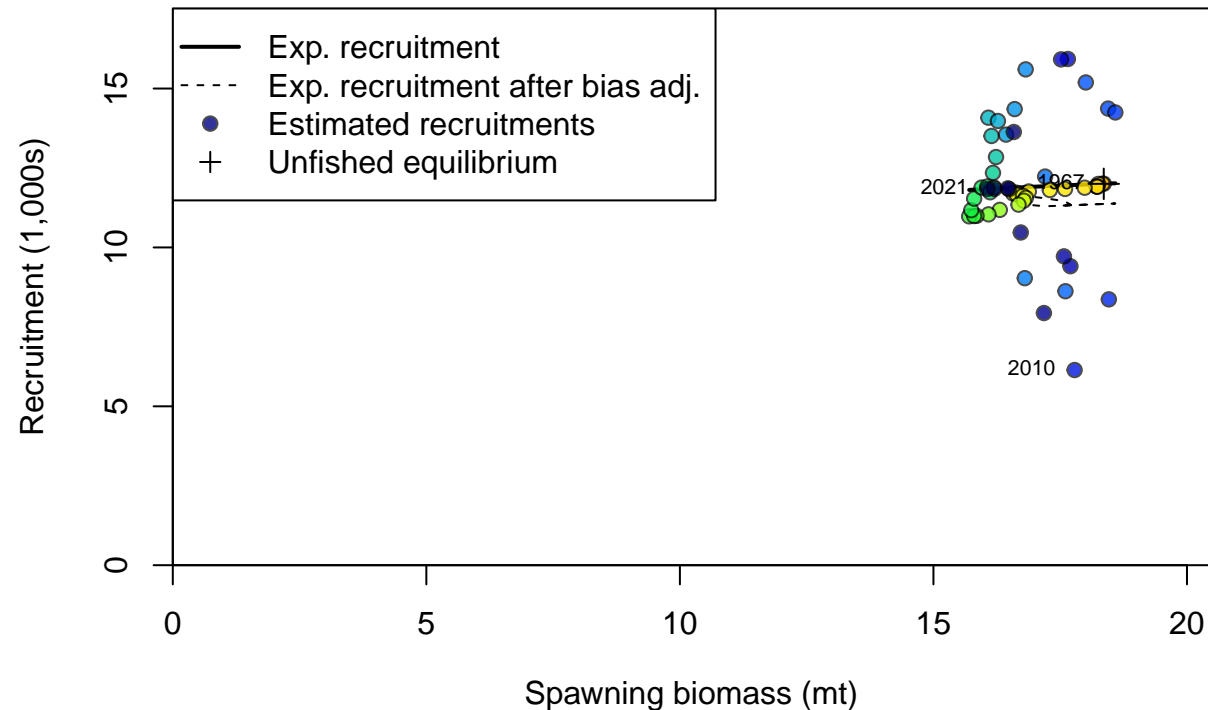


Recruitment deviation variance









Log recruitment deviation

0.6
0.4
0.2
0.0
-0.2
-0.4
-0.6

0.0

0.2

0.4

0.6

0.8

1.0

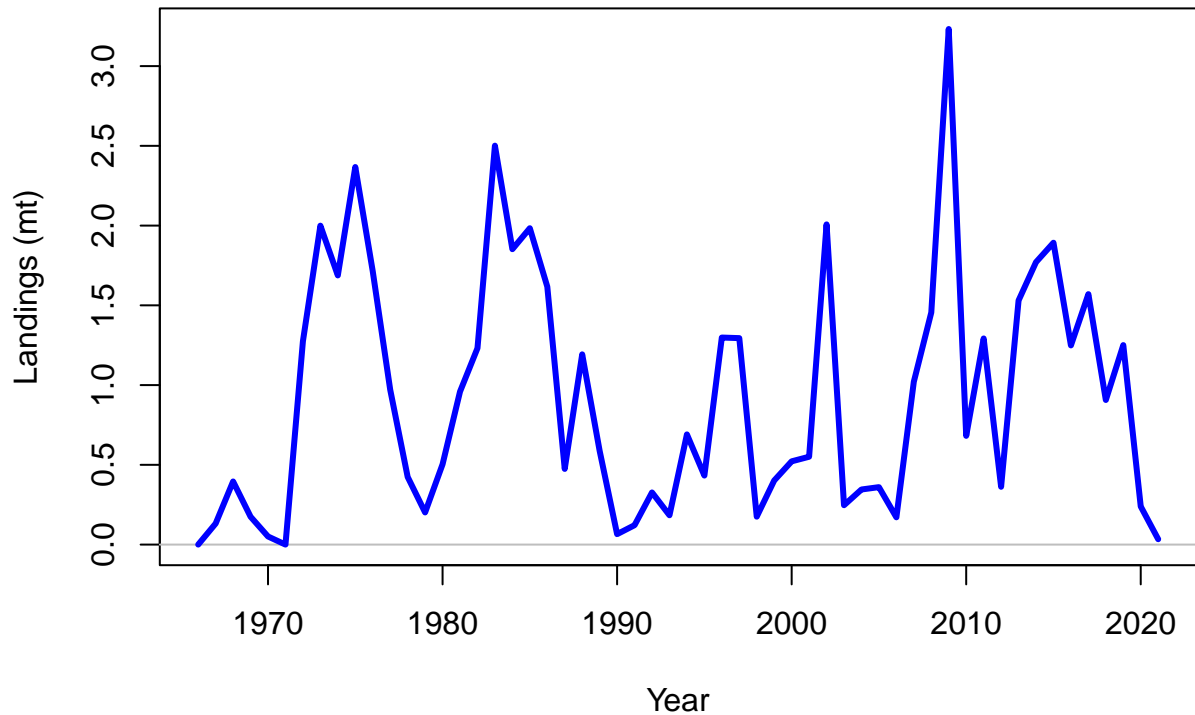
Spawning output (relative to B_0)

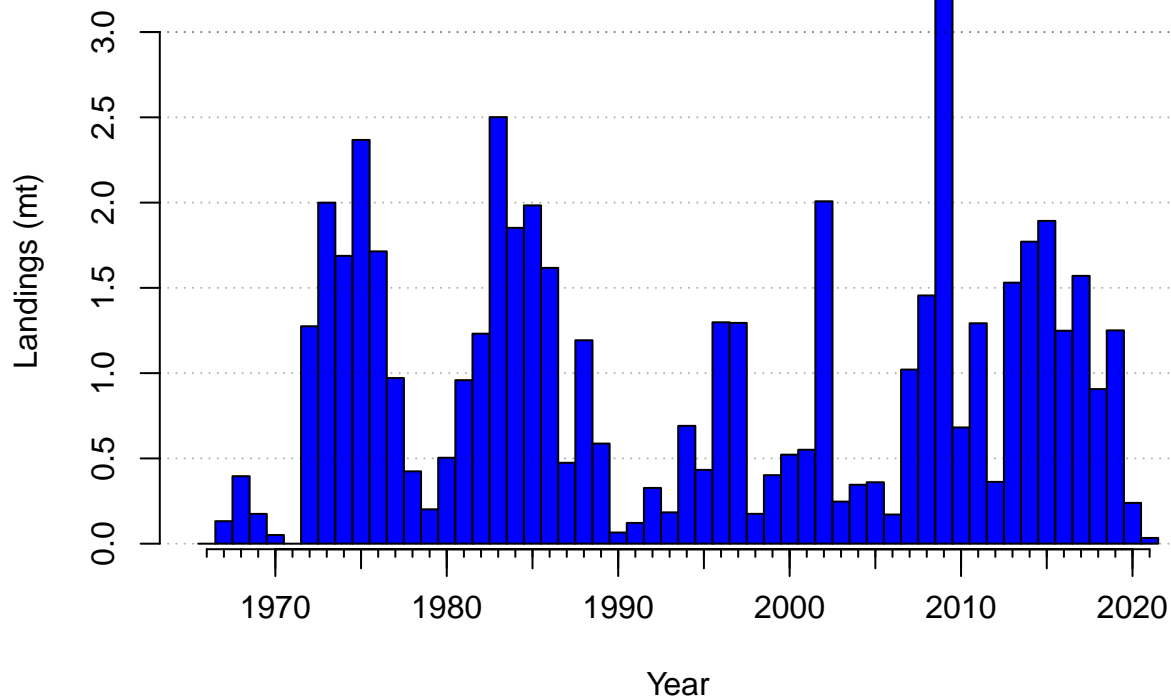
2021

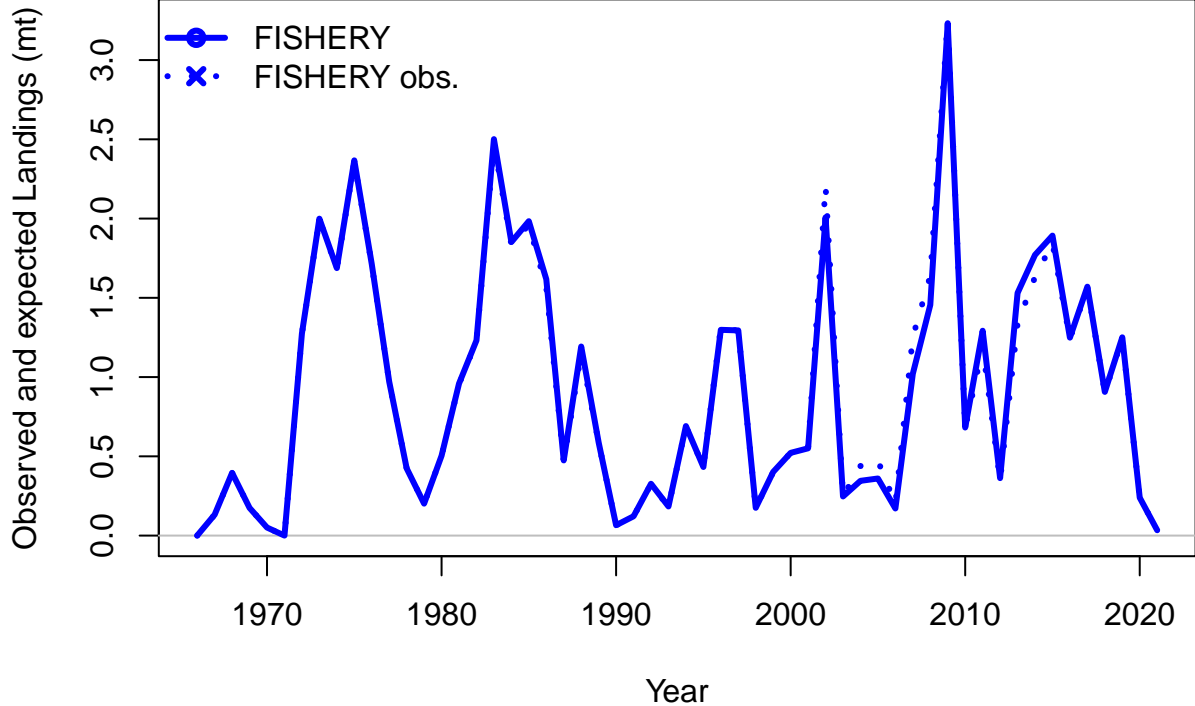
2010

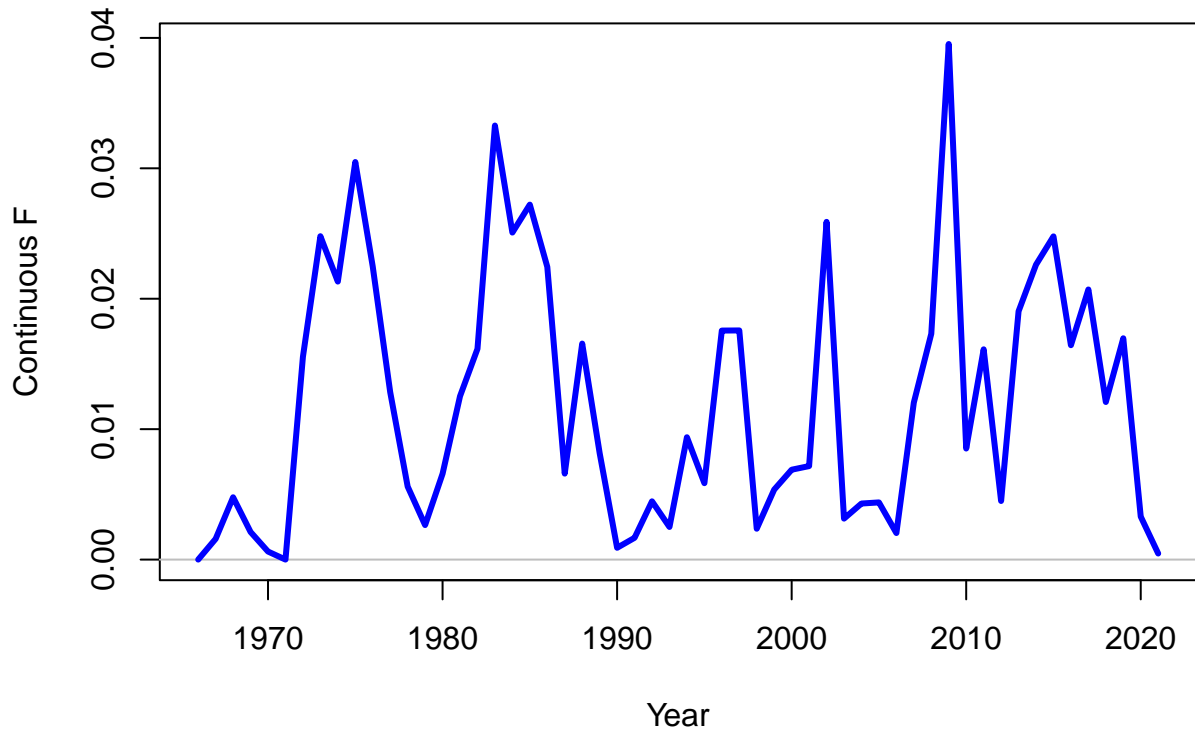
+



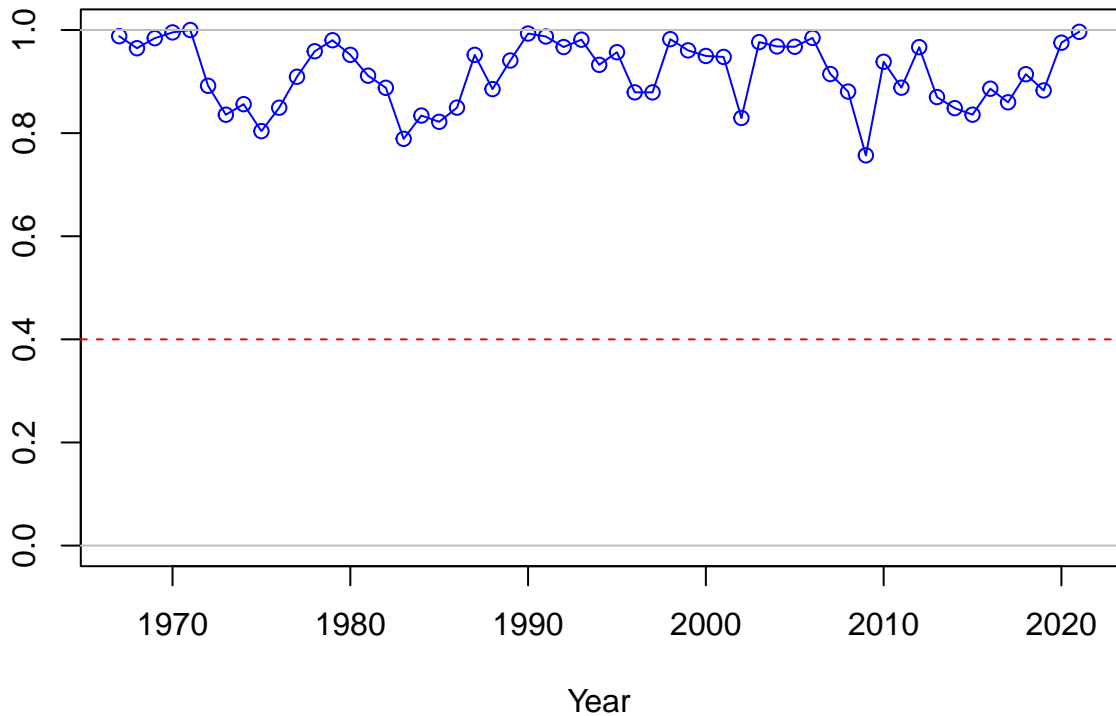




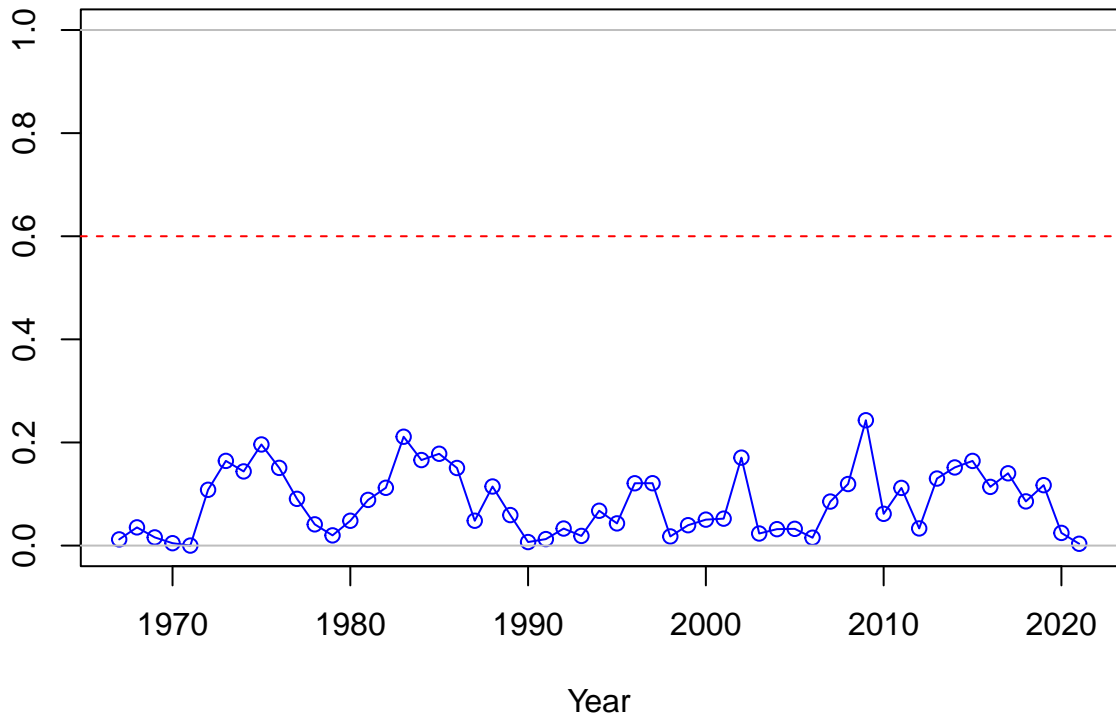




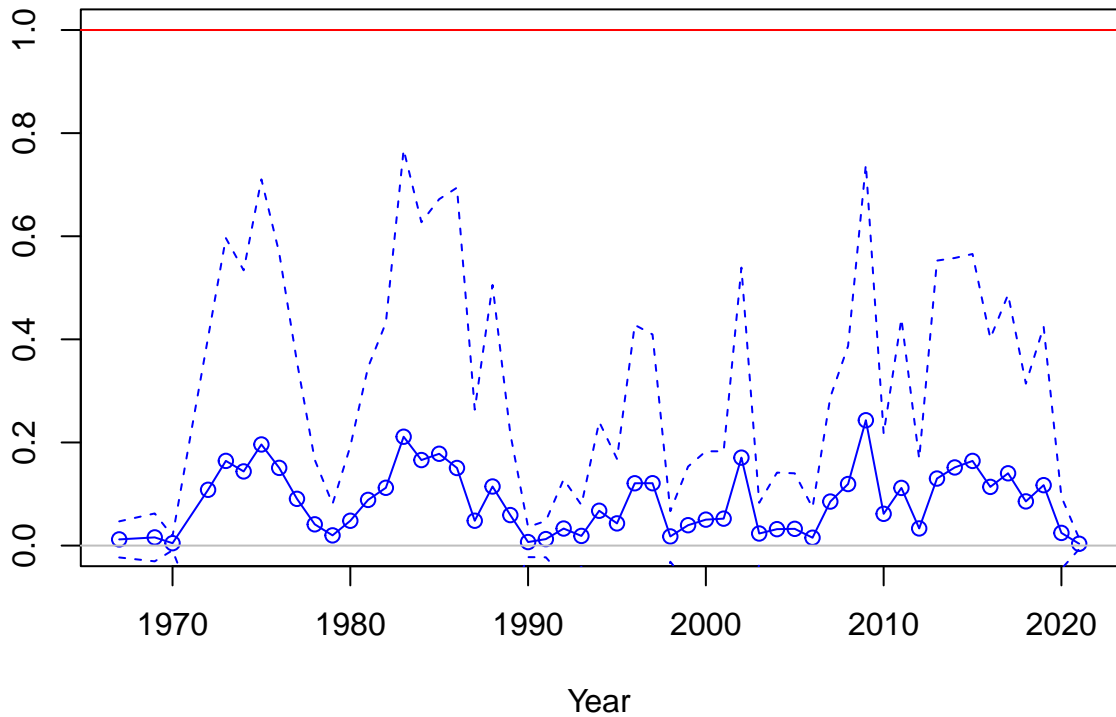
SPR



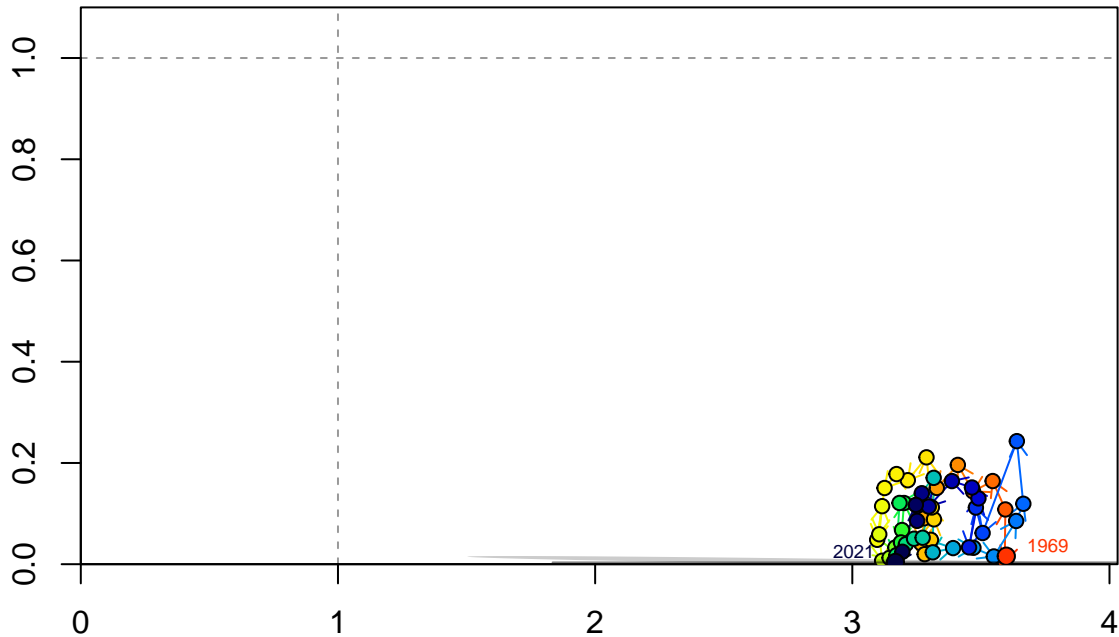
1-SPR



Fishing intensity: 1-SPR

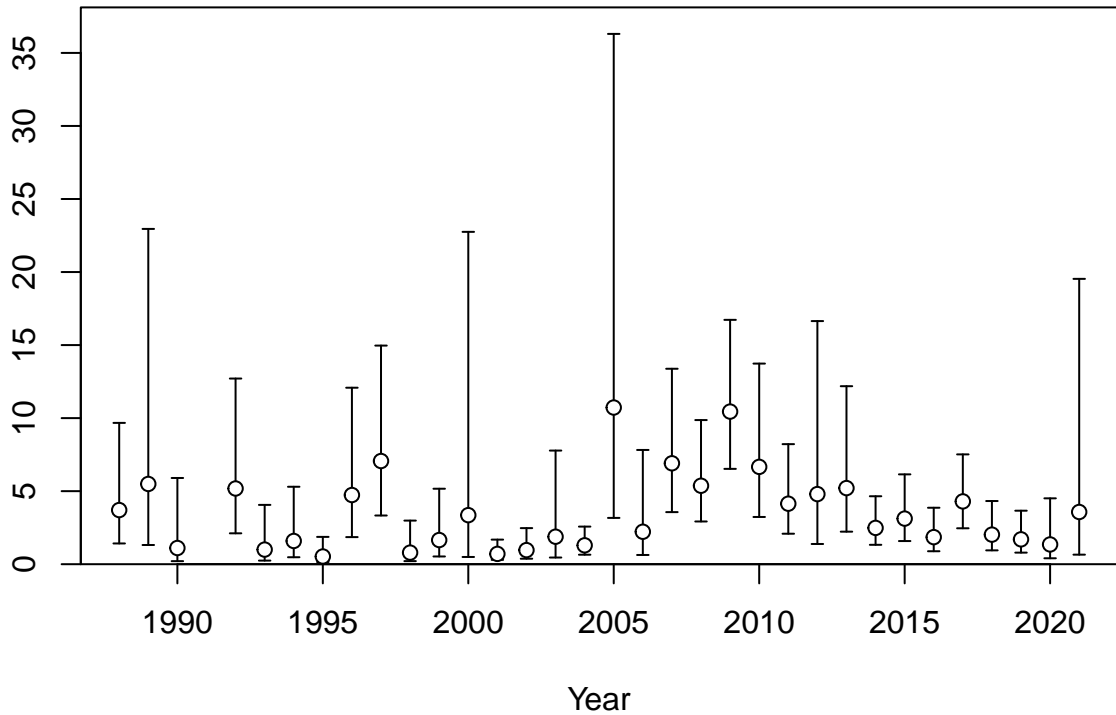


Fishing intensity: 1-SPR

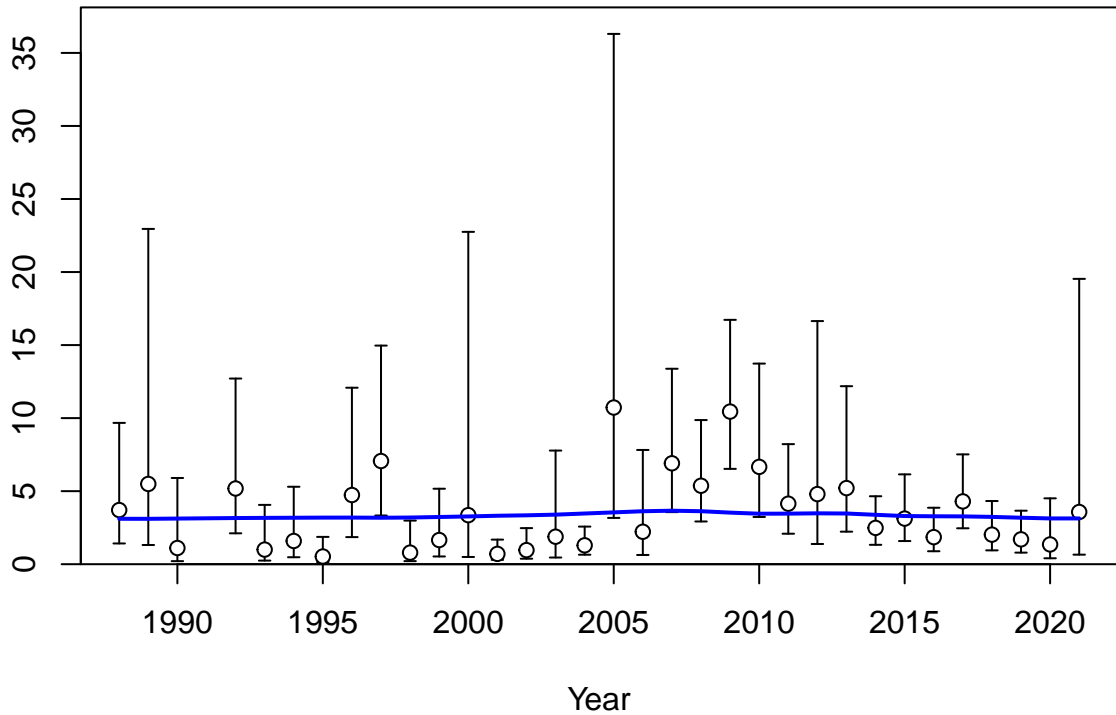


Relative spawning output: B/B_{MSY}

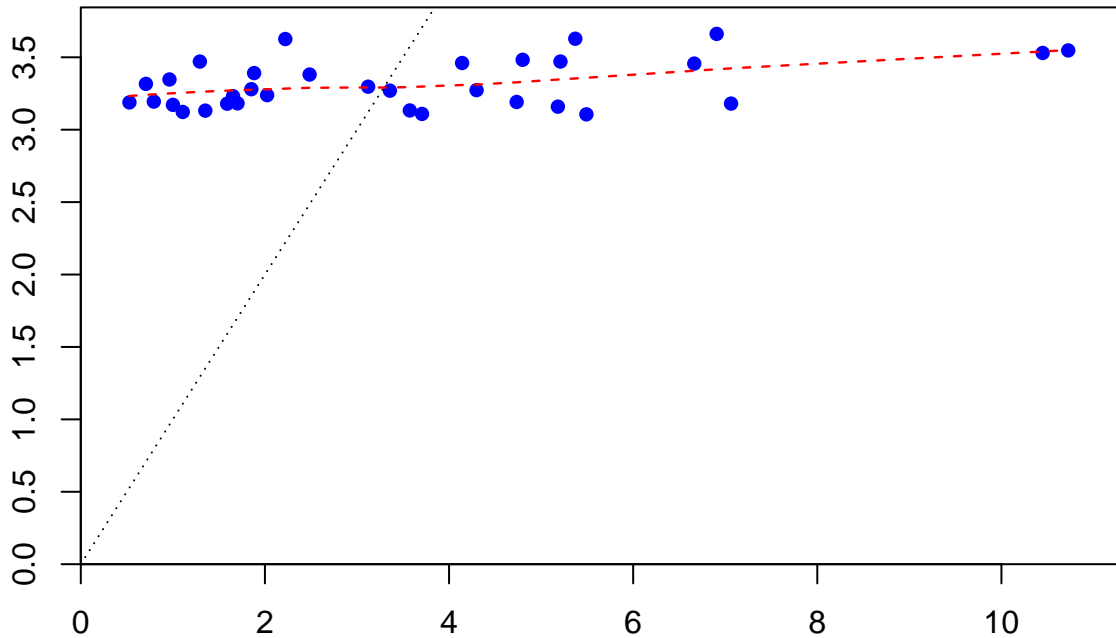
Index



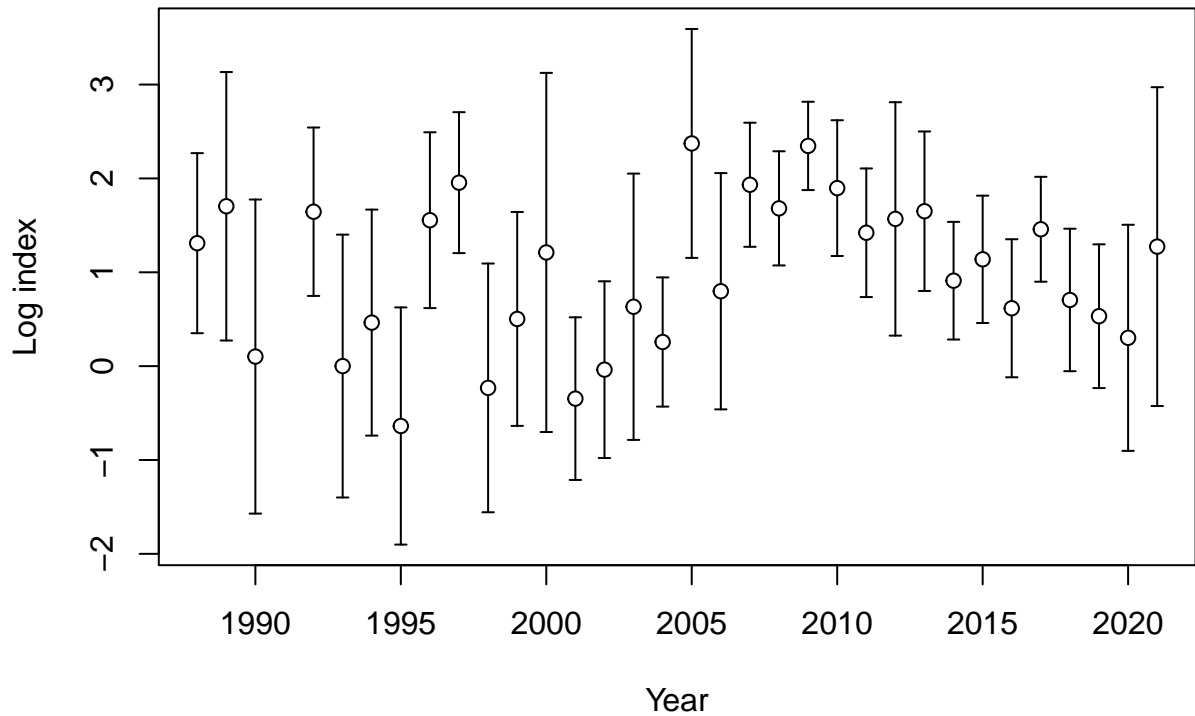
Index

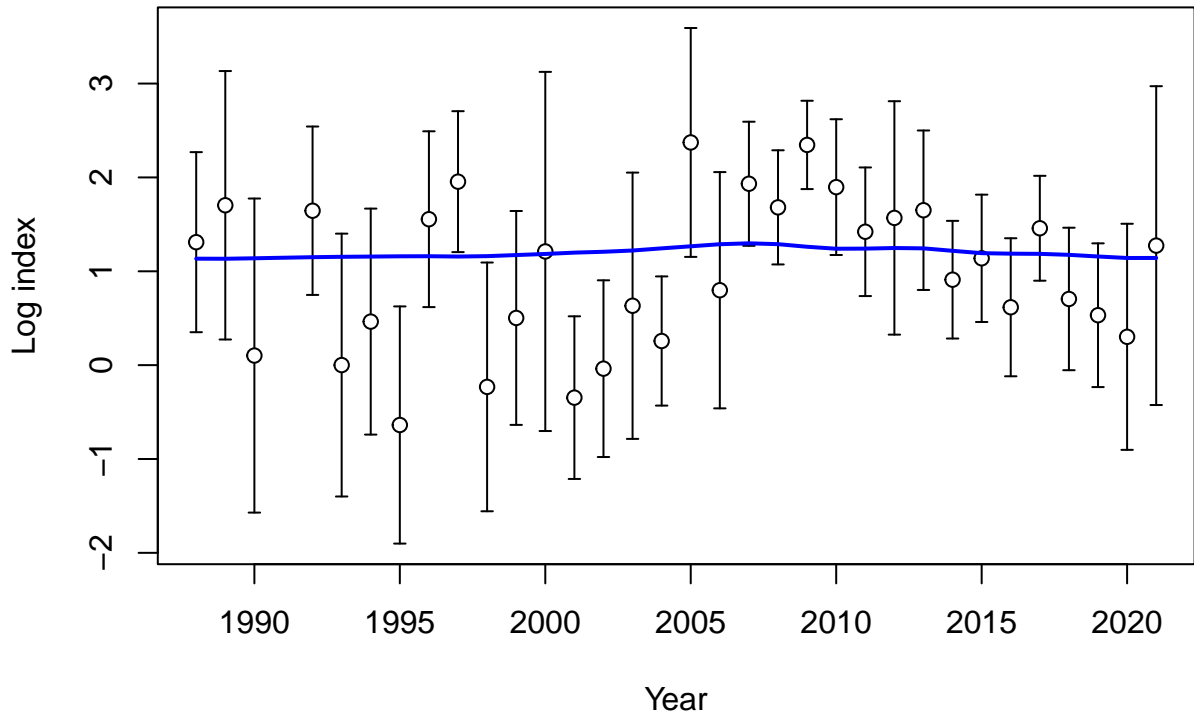


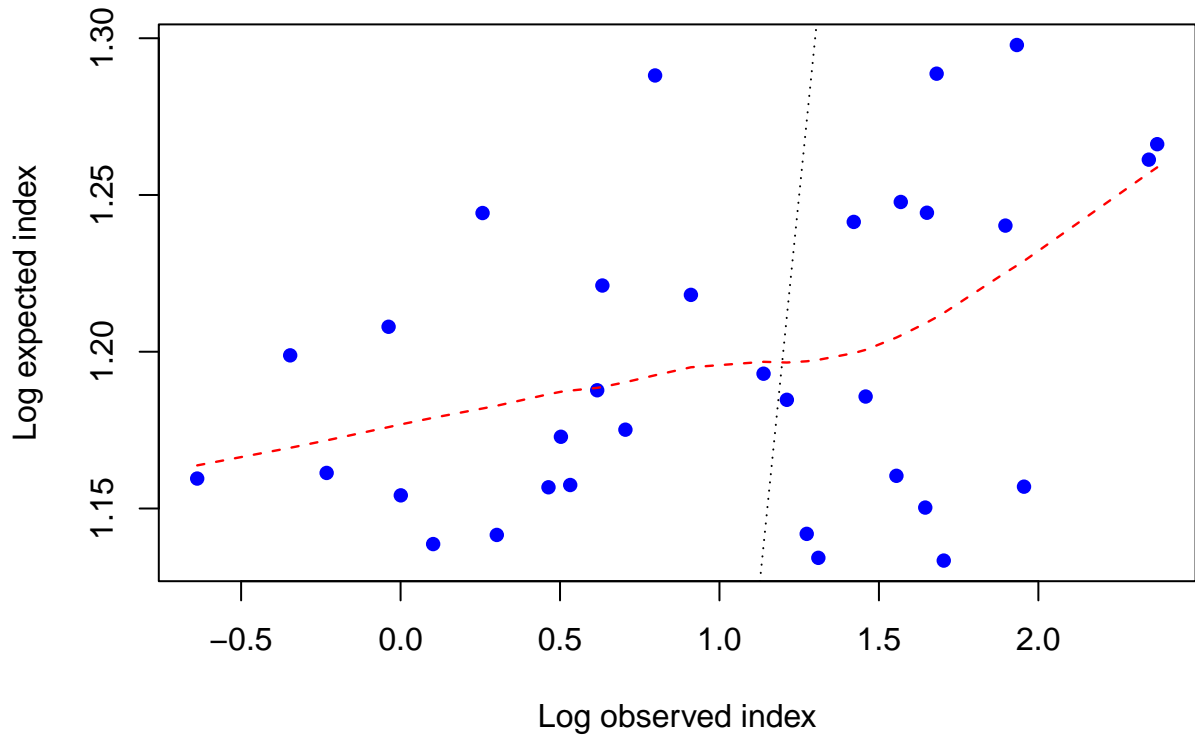
Expected index

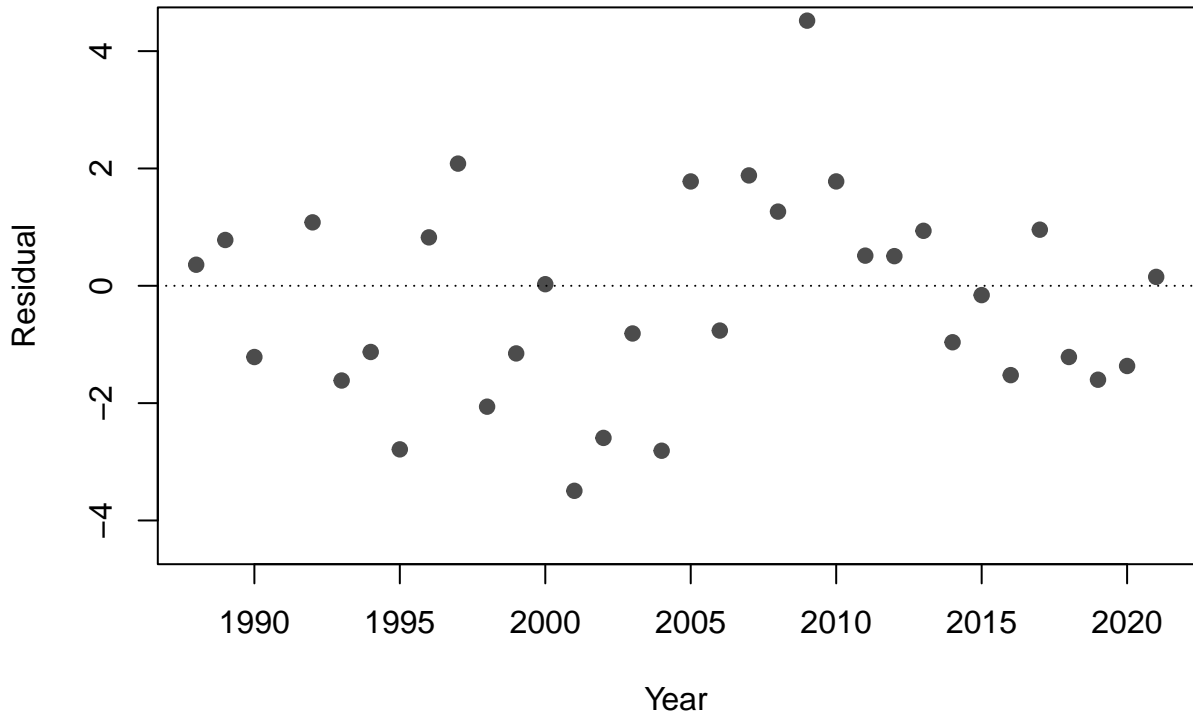


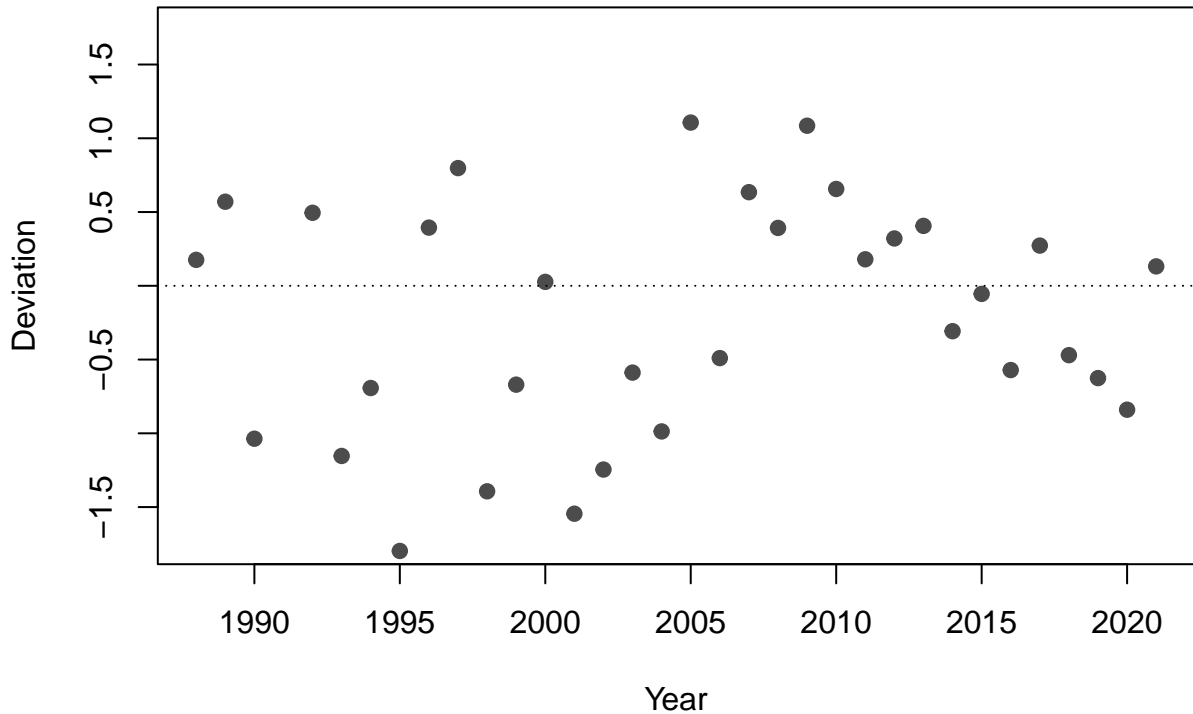
Observed index

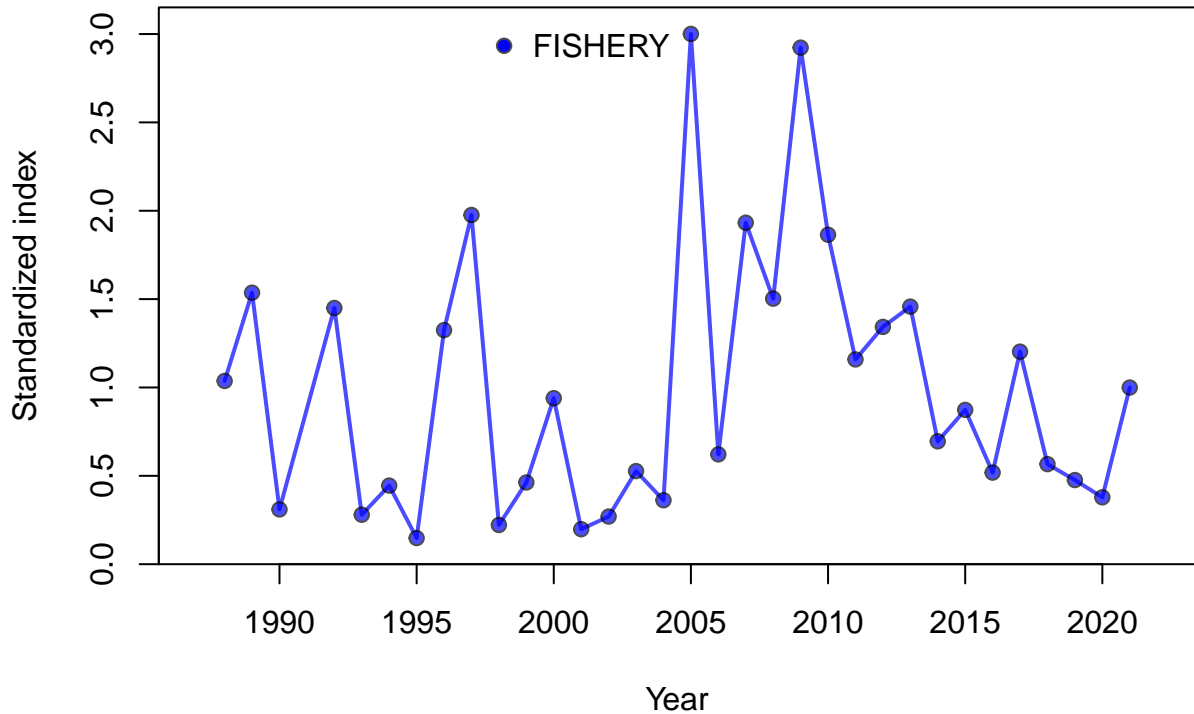


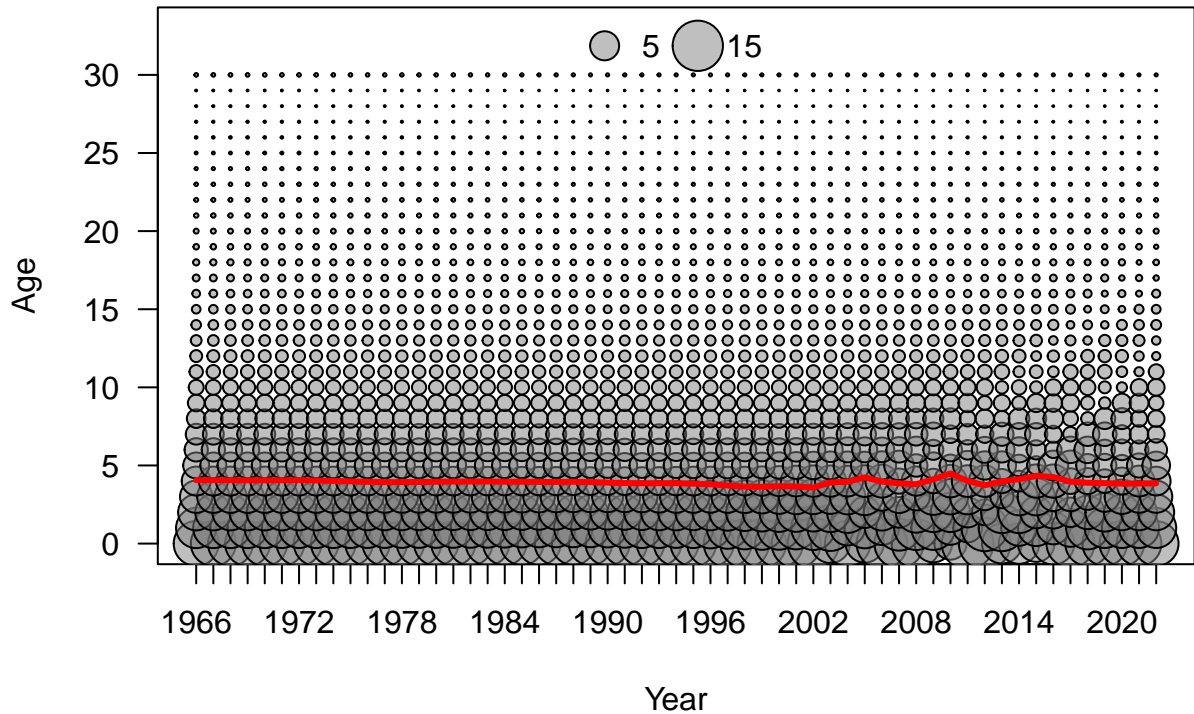


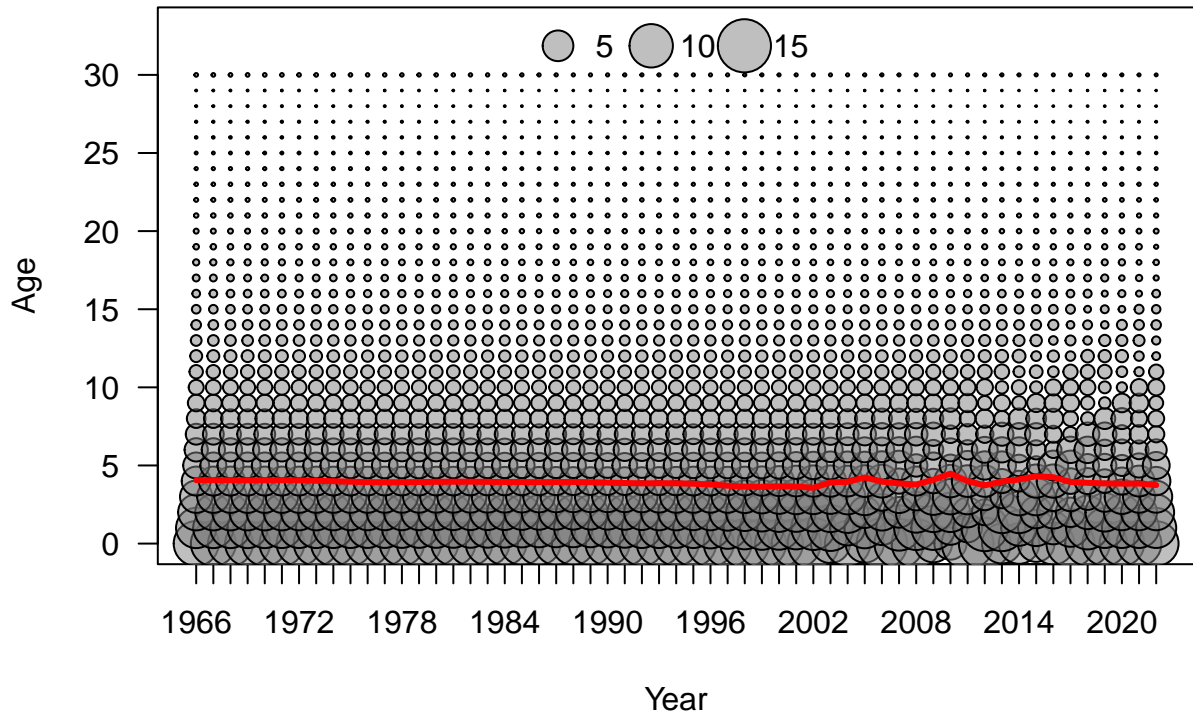


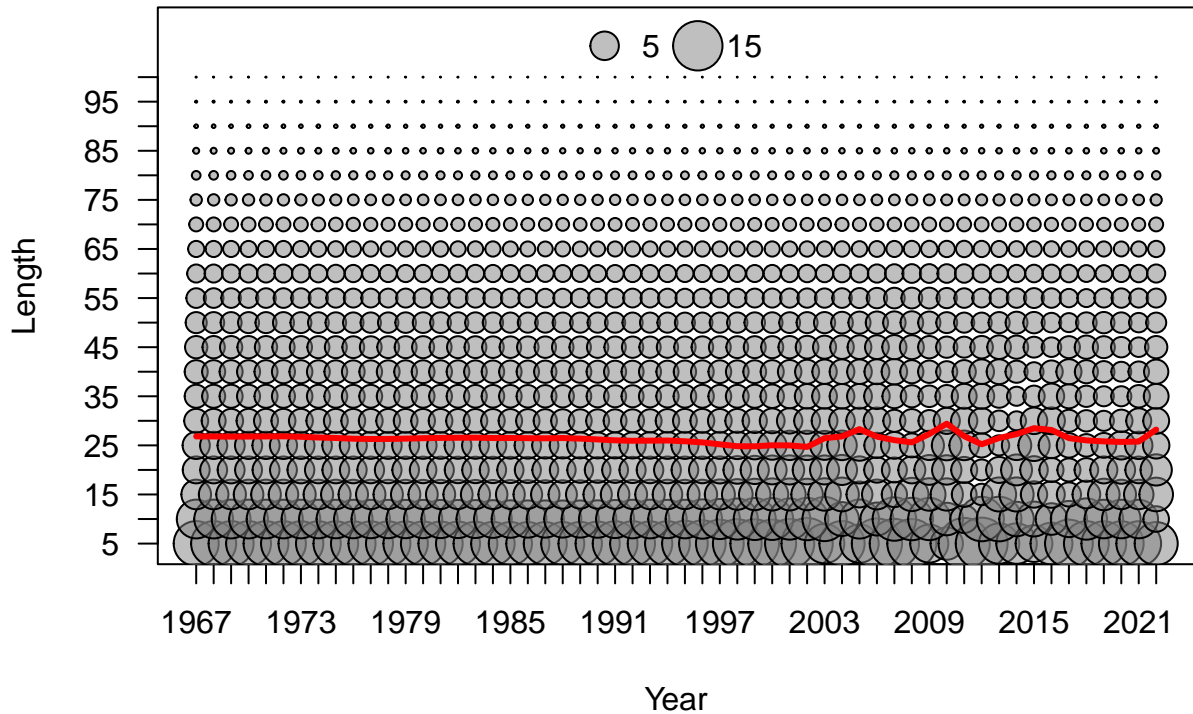


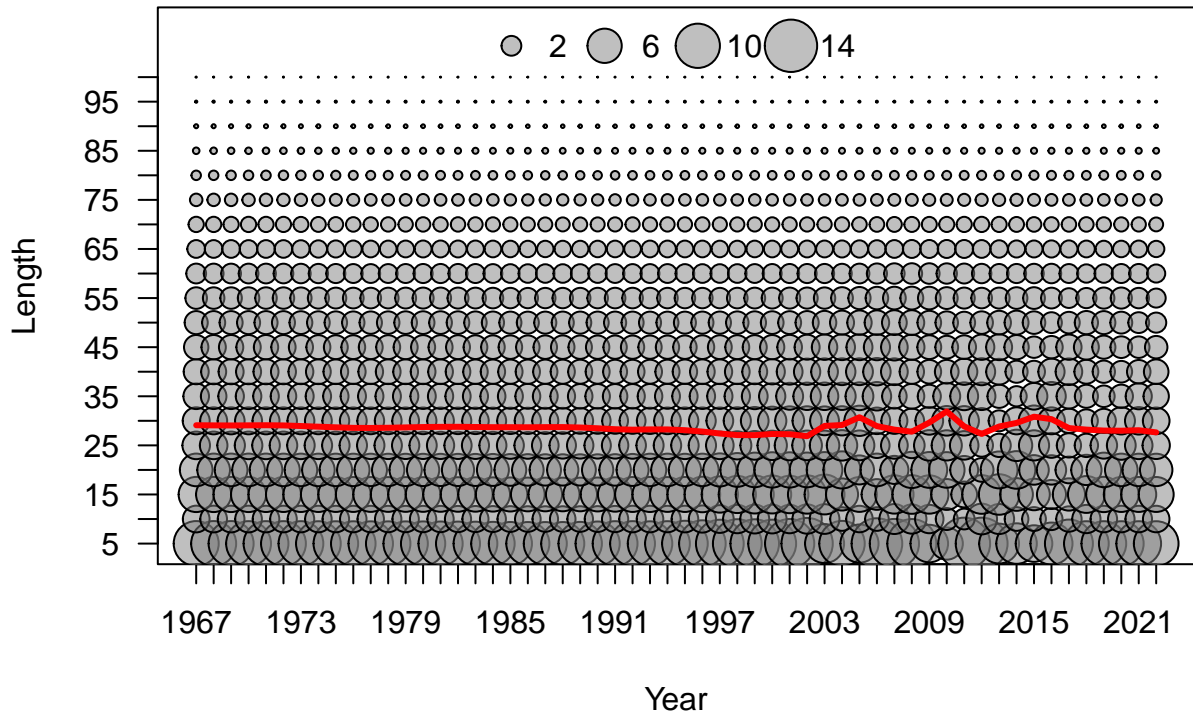


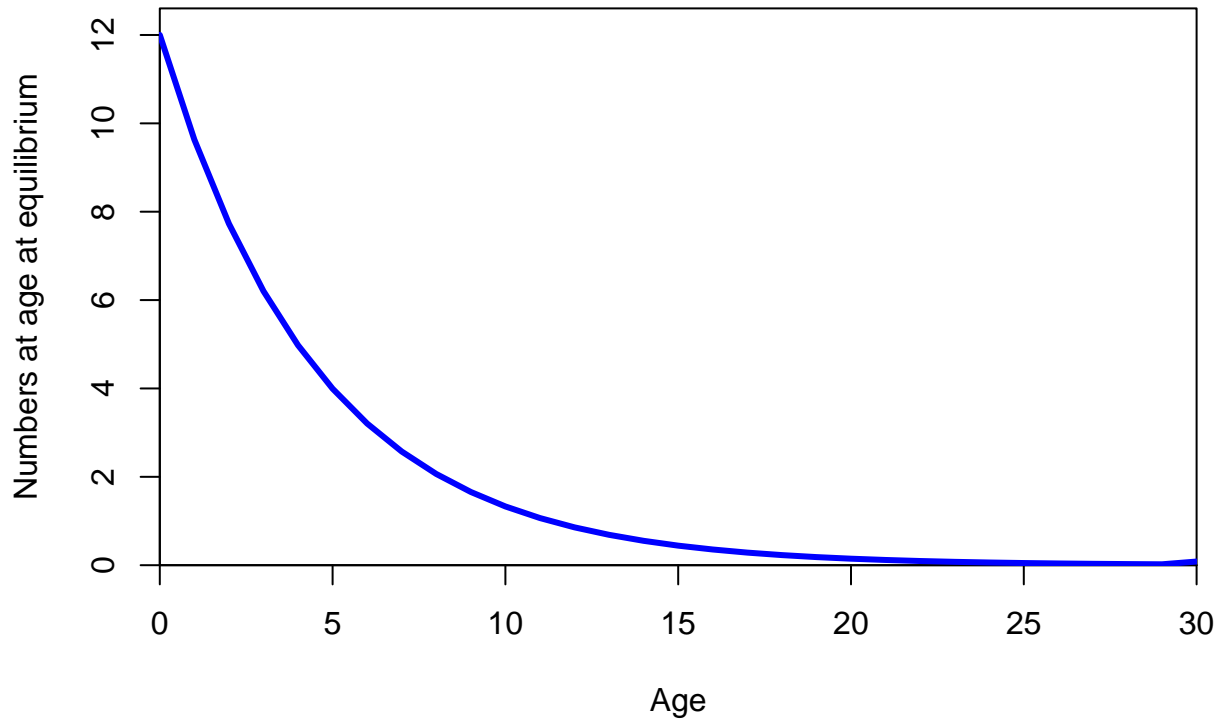






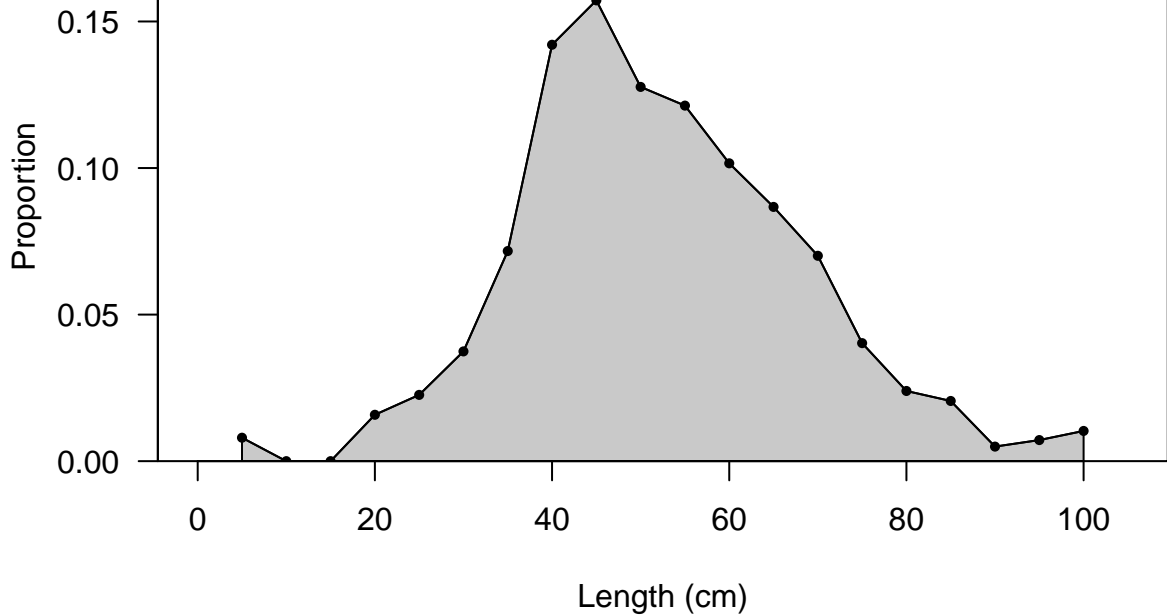


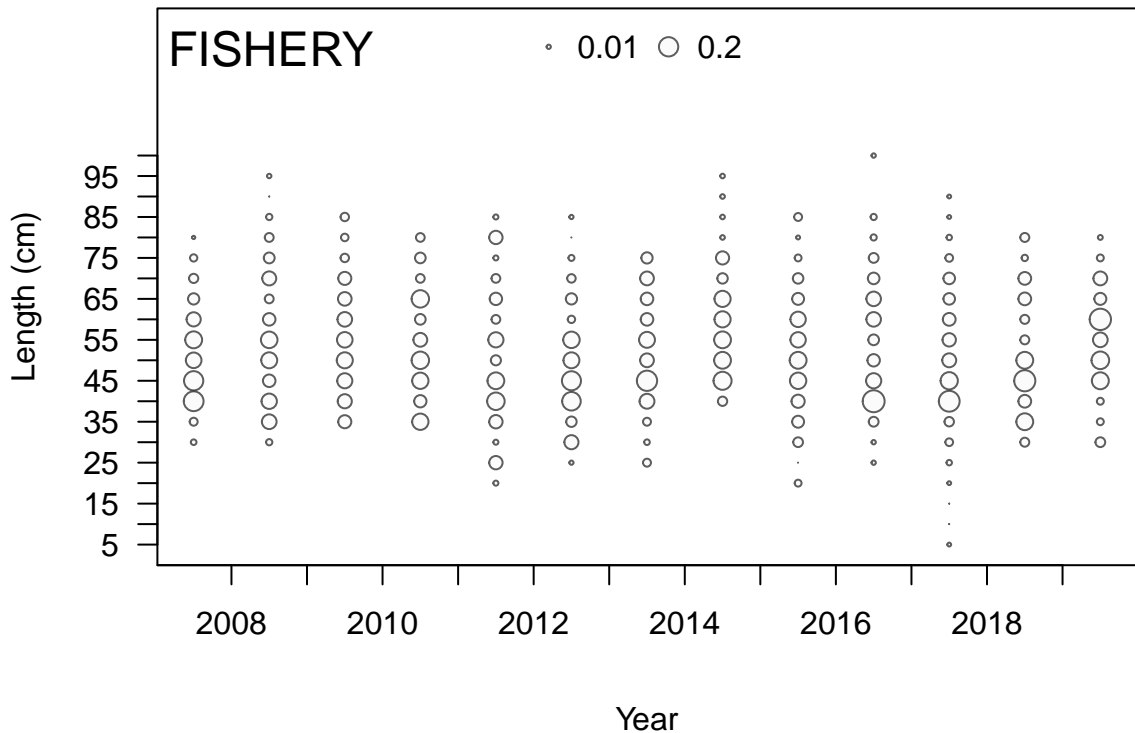




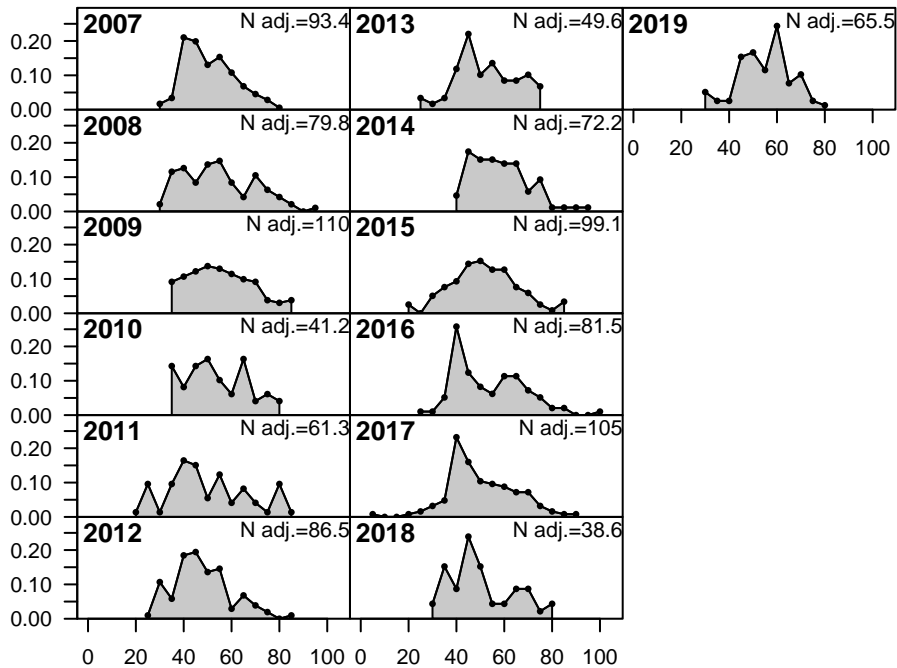
FISHERY

Sum of N adj.=983.8

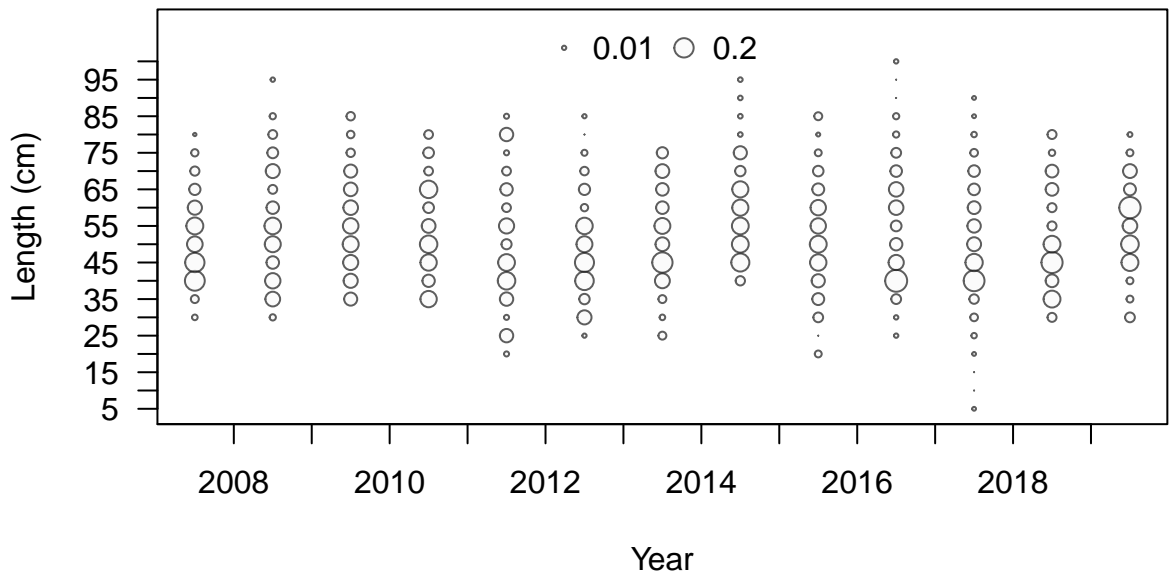




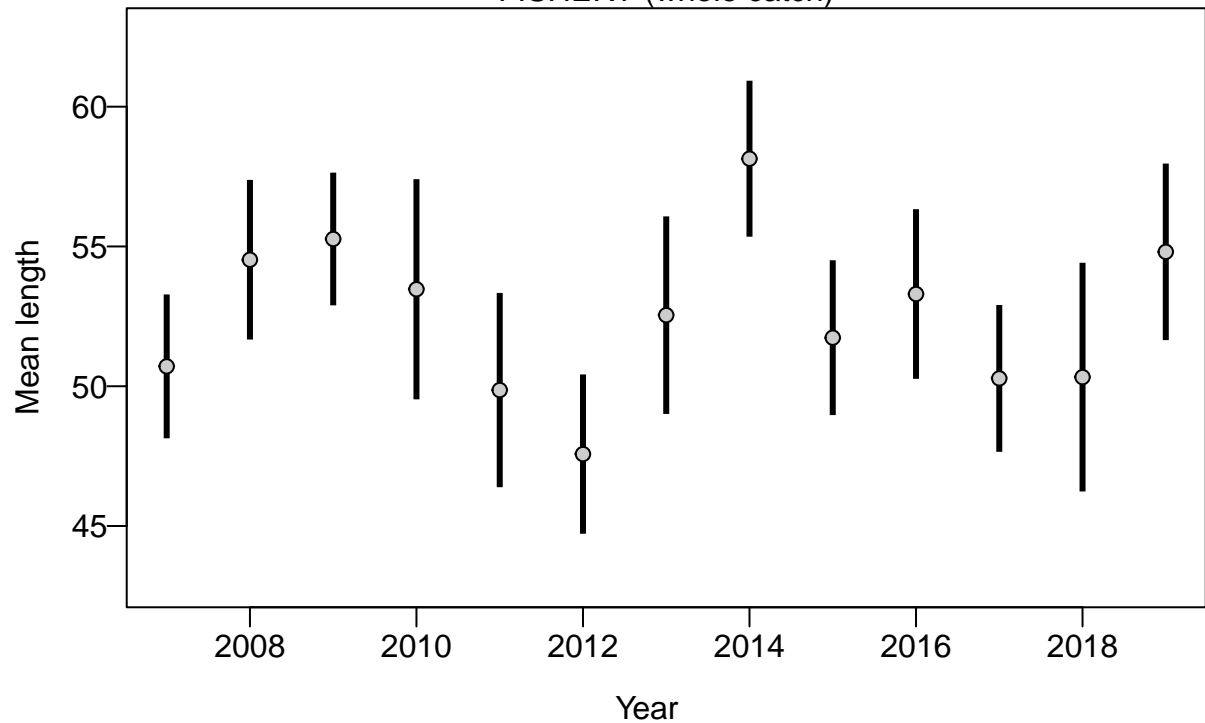
Proportion



Length (cm)

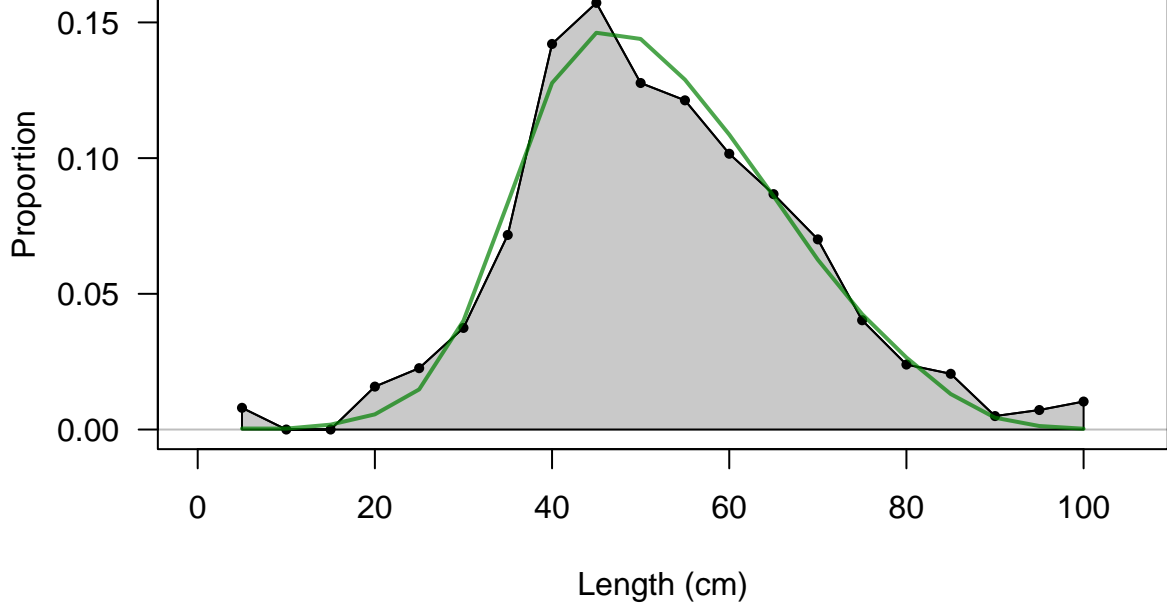


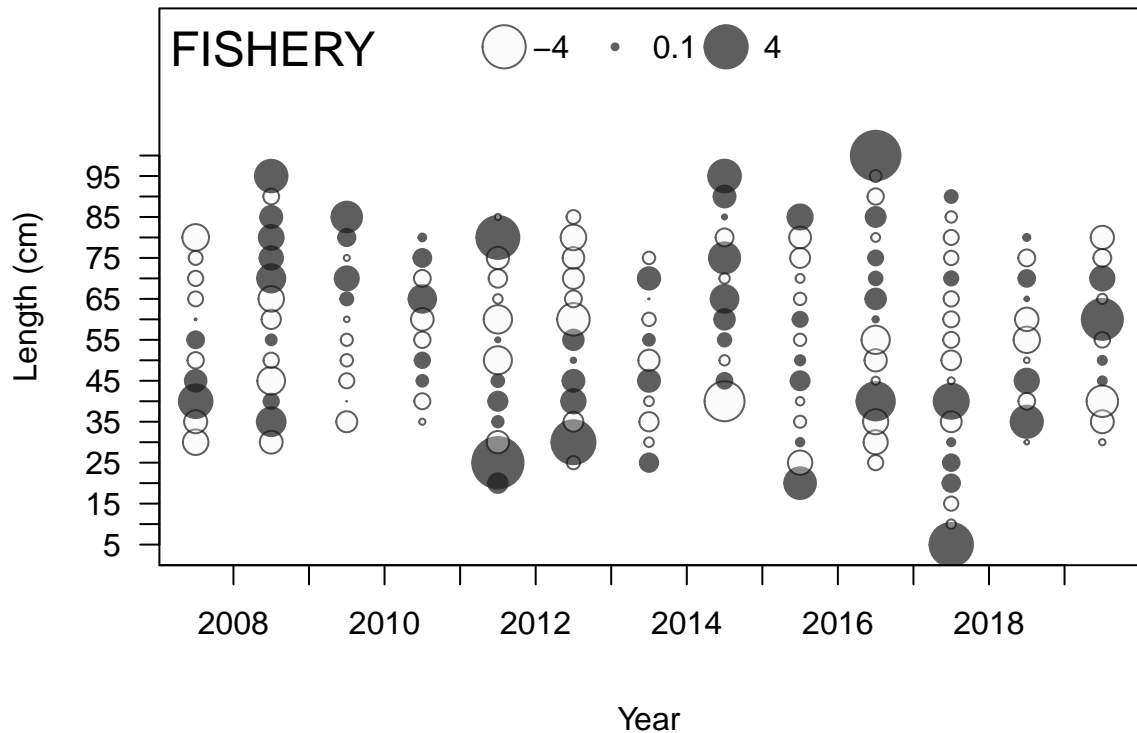
FISHERY (whole catch)



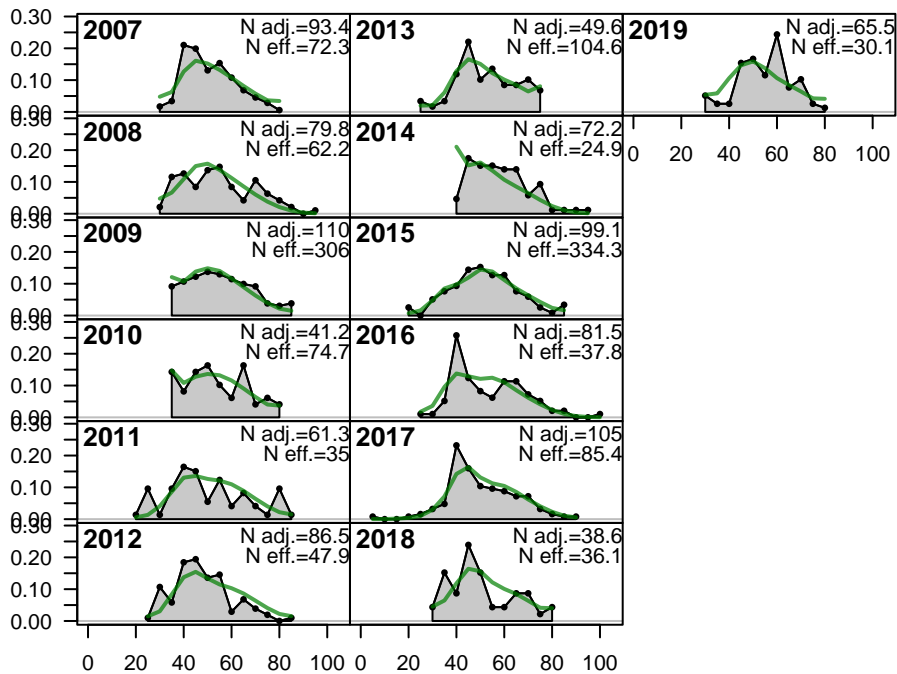
FISHERY

Sum of N adj.=983.8
Sum of N eff.=1251.2

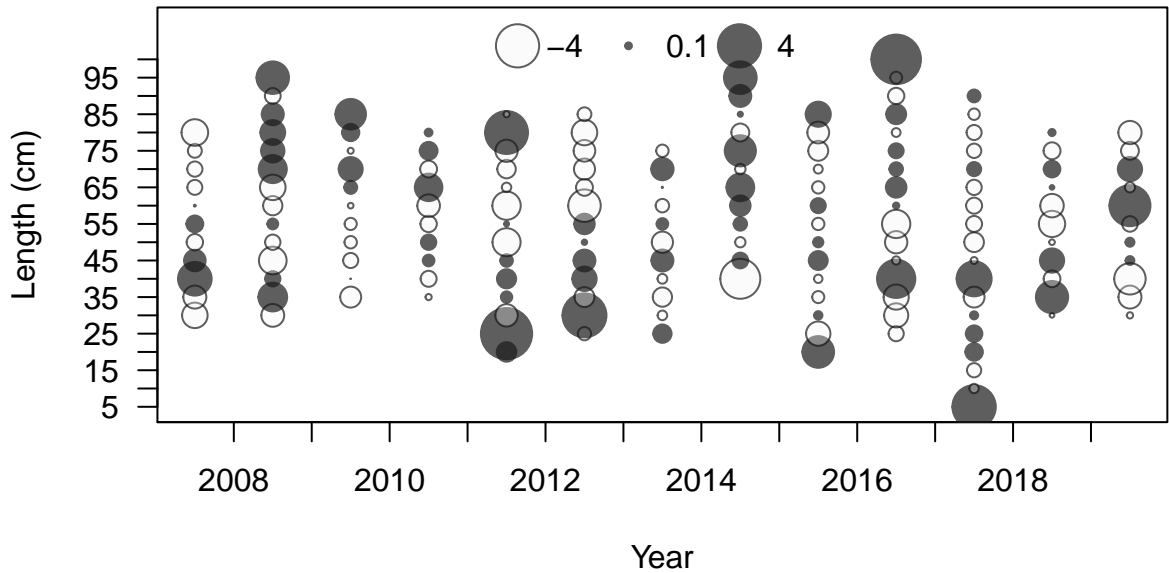




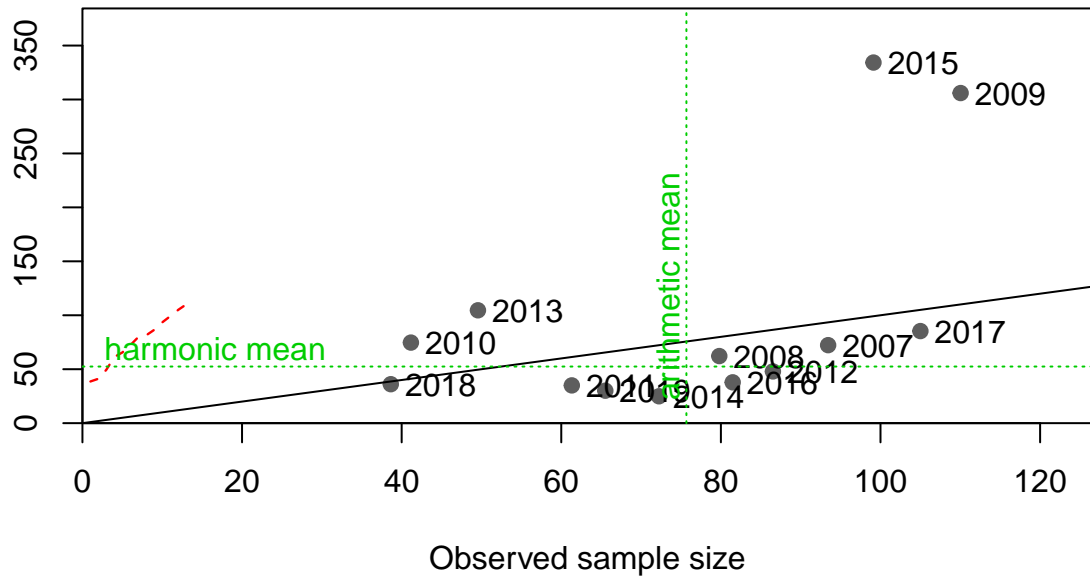
Proportion



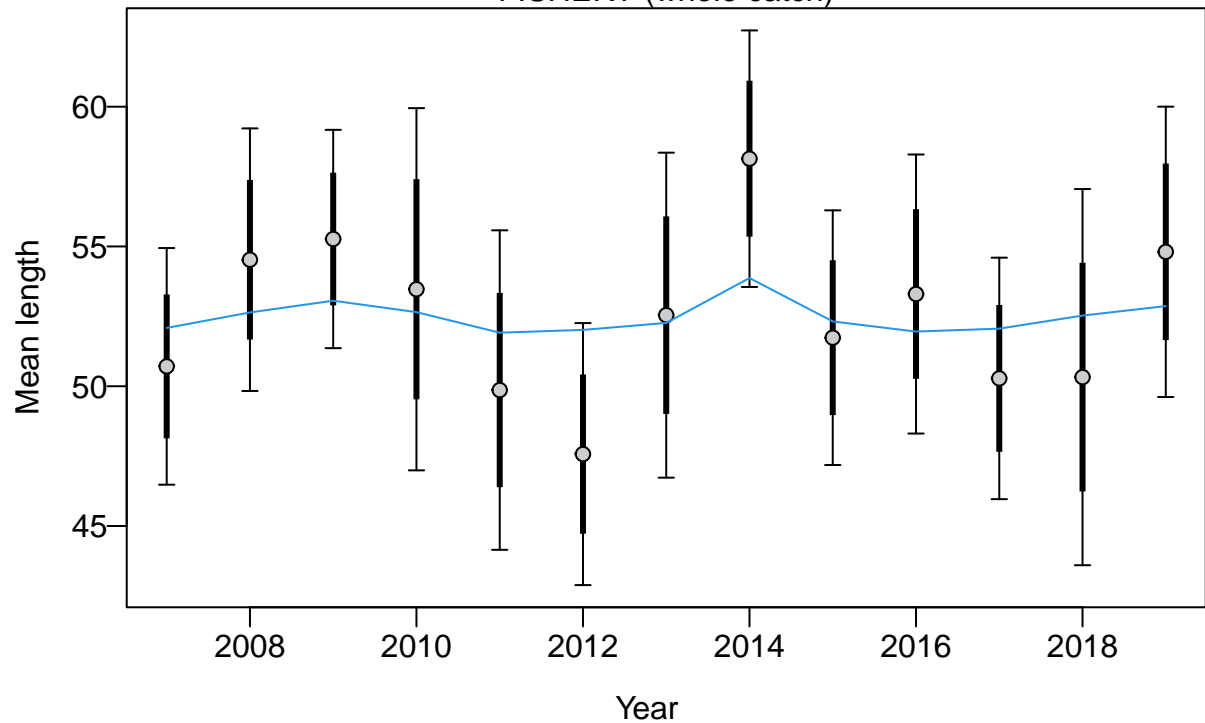
Length (cm)

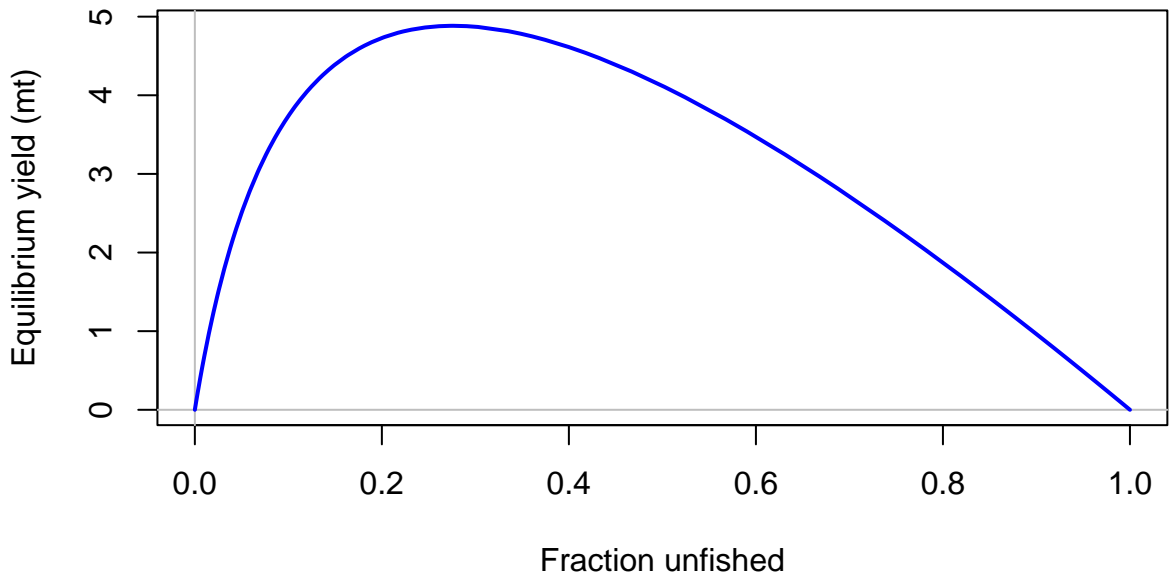


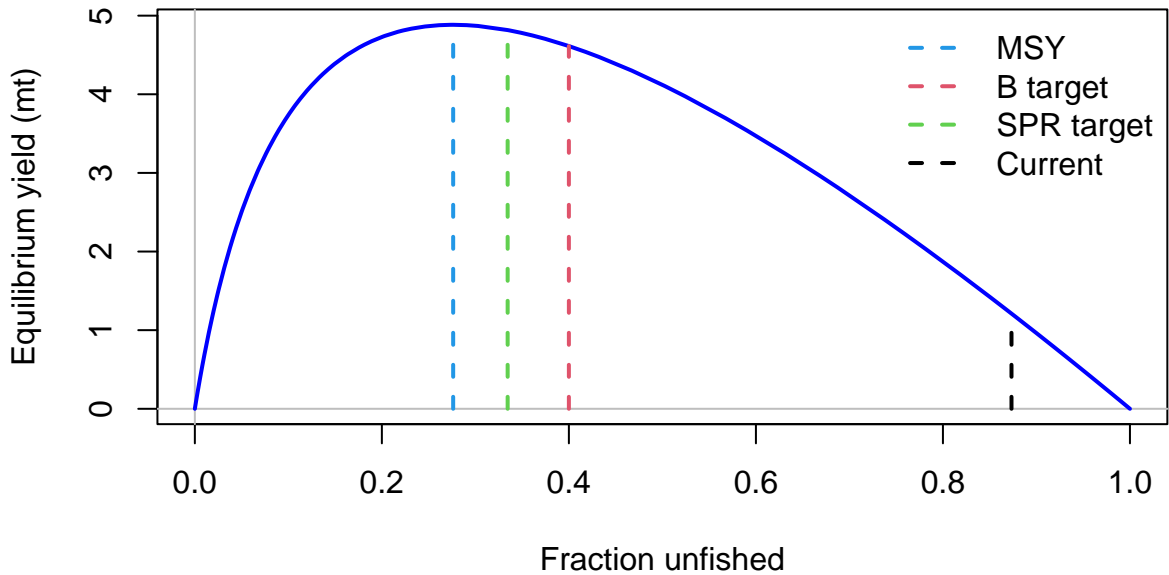
Effective sample size

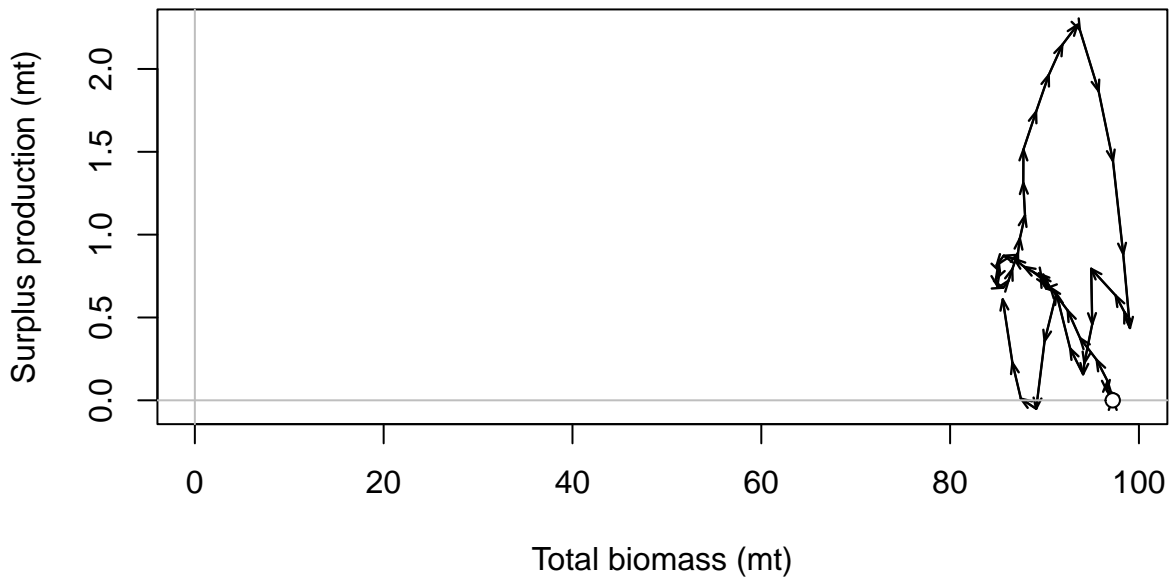


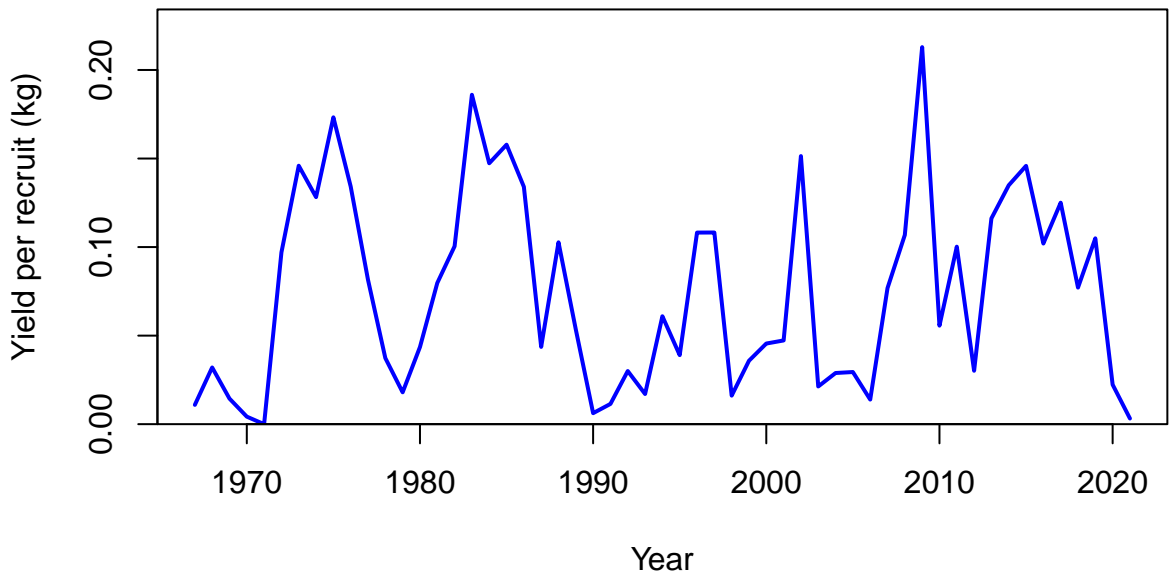
FISHERY (whole catch)

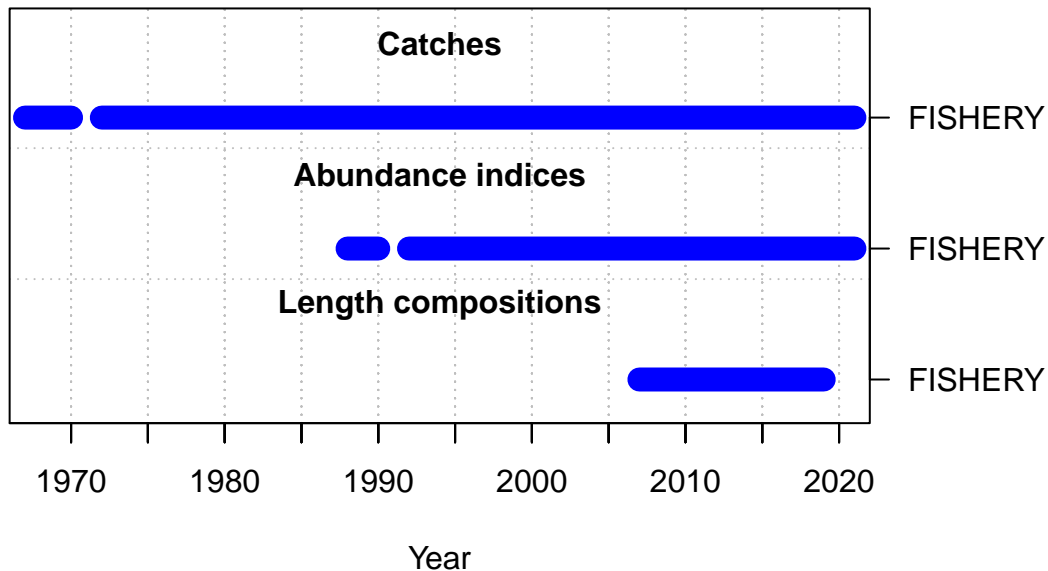


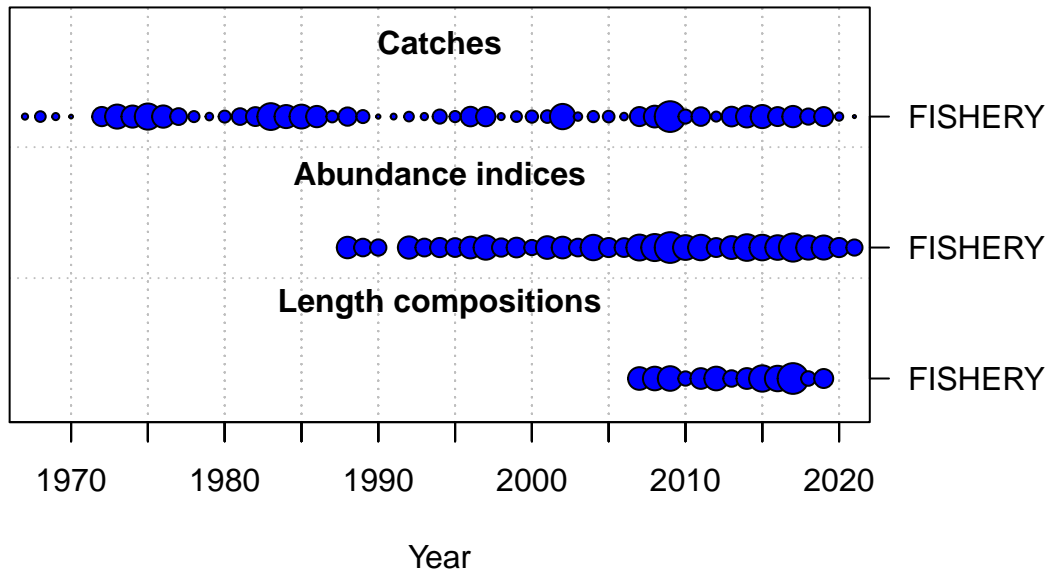








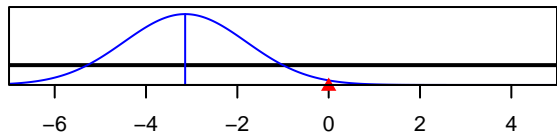




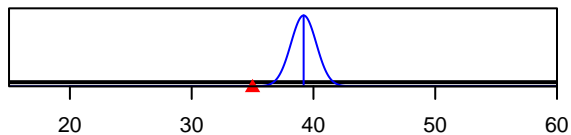
SR_LN(R0)



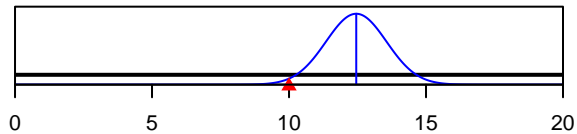
LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Parameter value