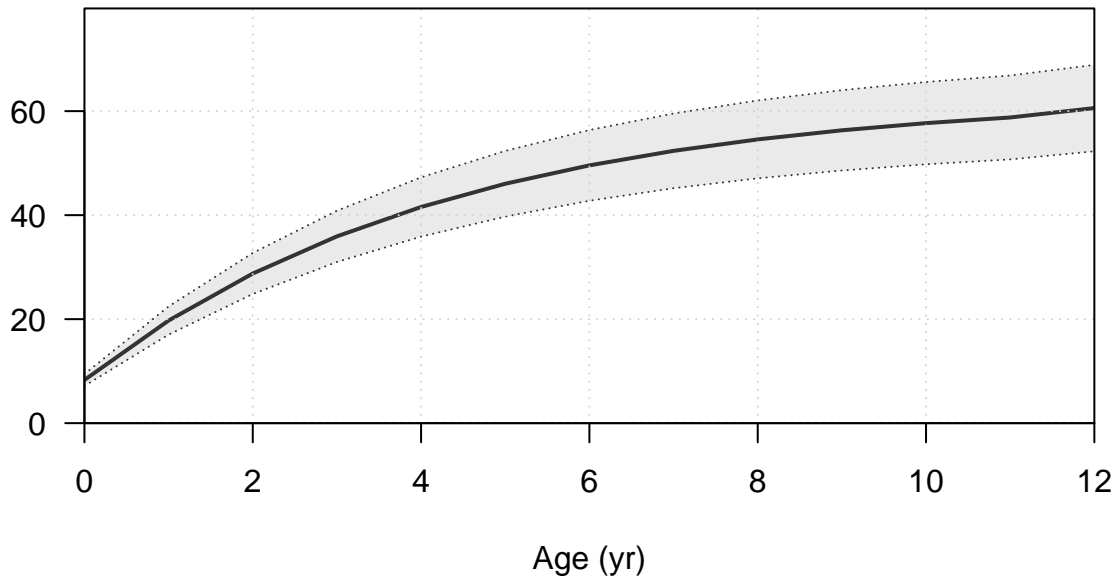
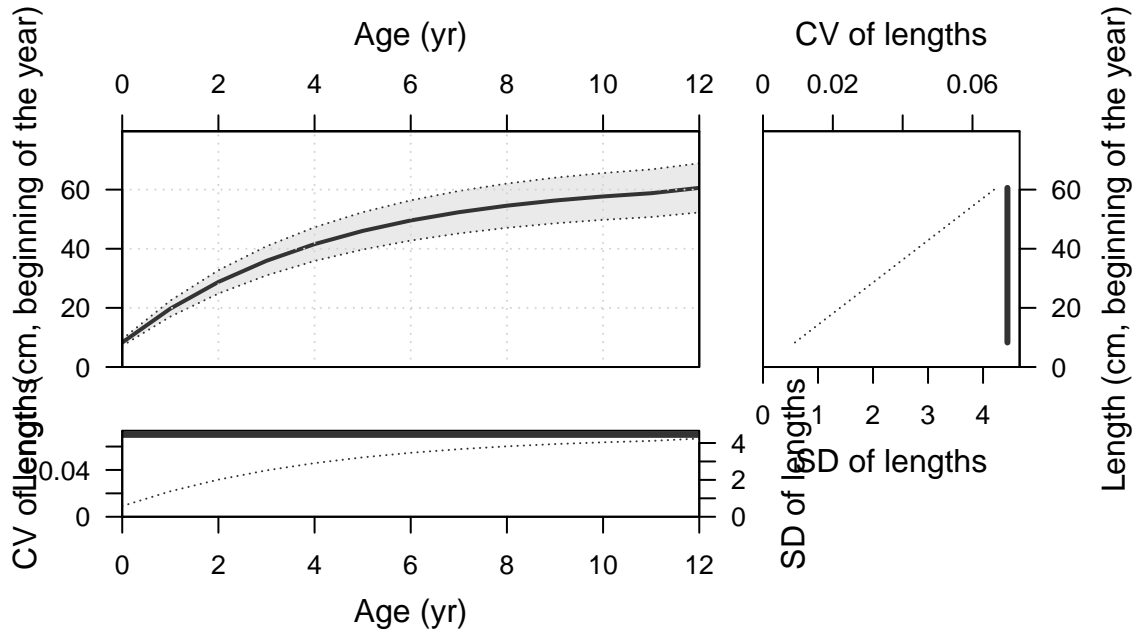
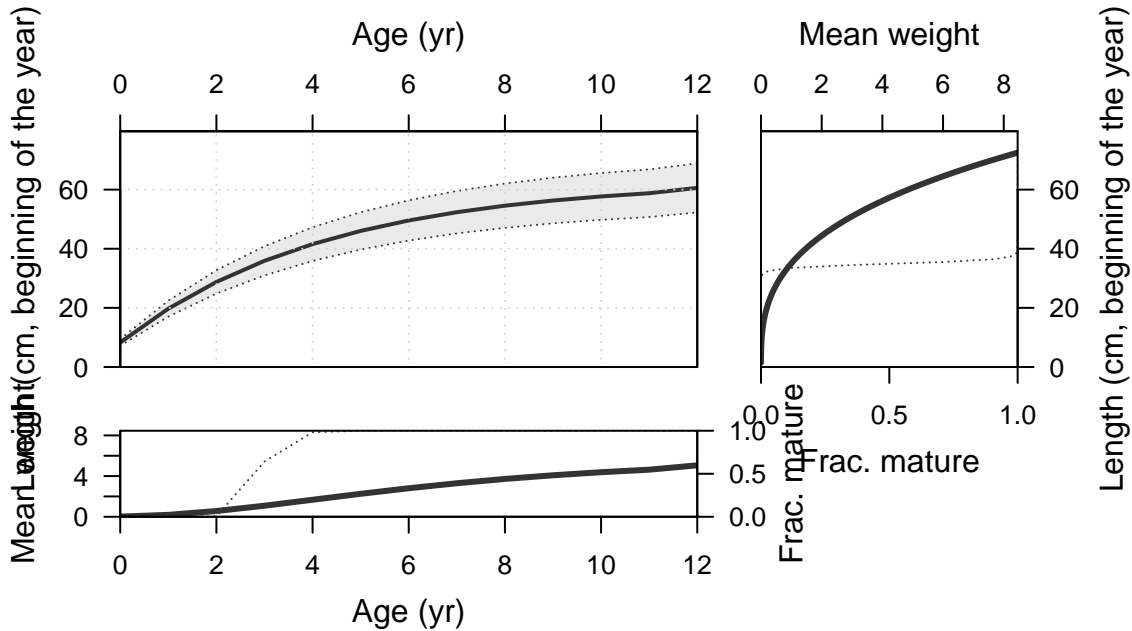


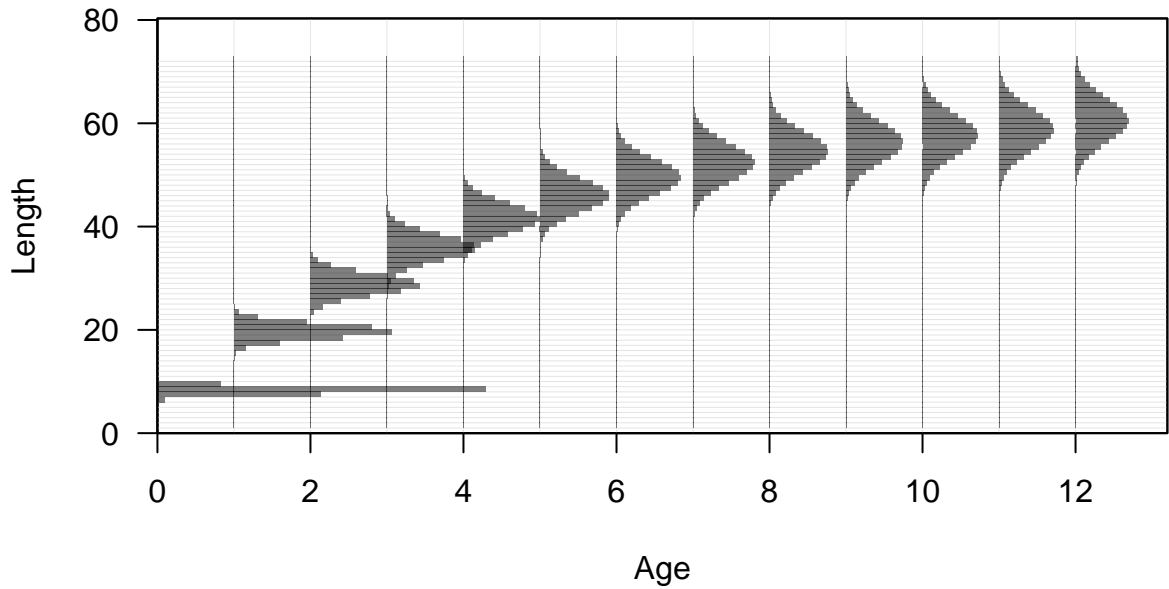
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Wed Aug 03 10:31:16 2022
Data_File: data.ss
Control_File: control.ss

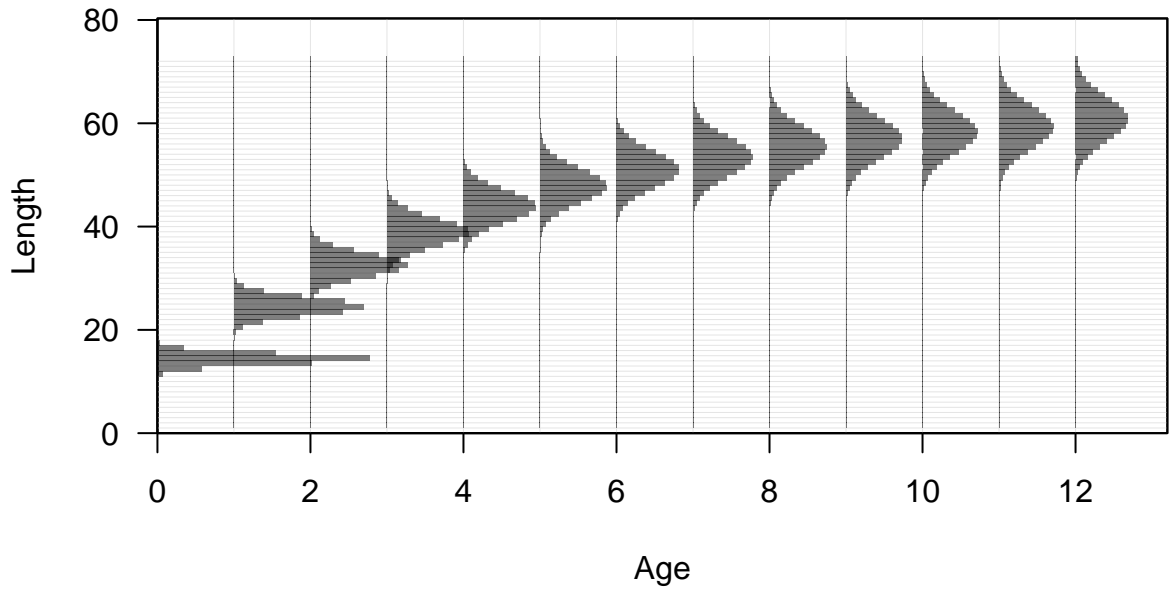
Length (cm, beginning of the year)



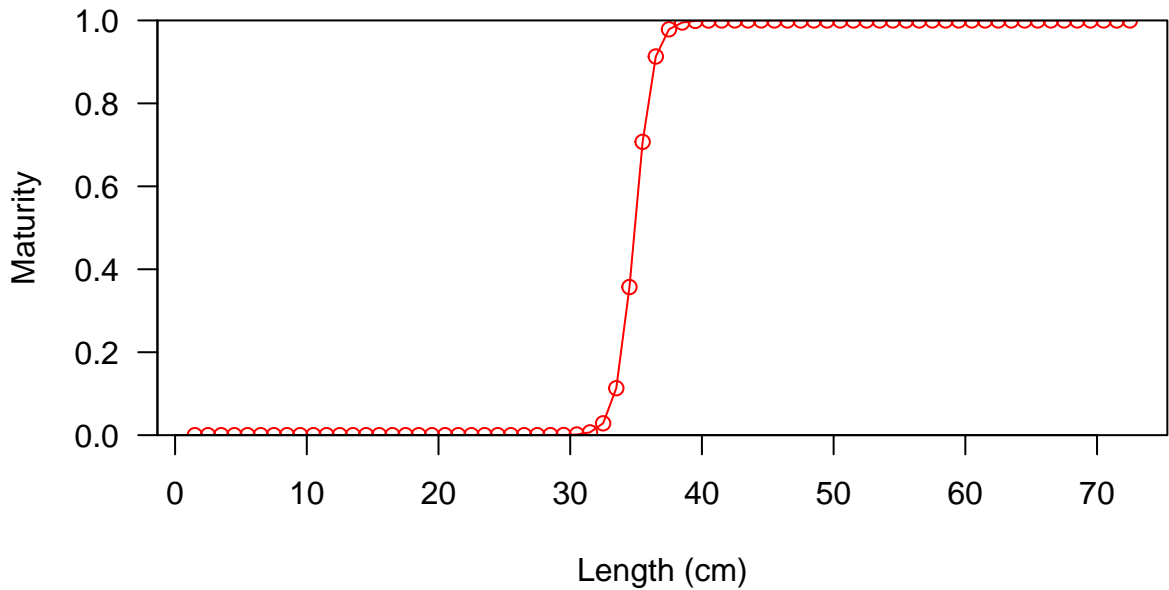






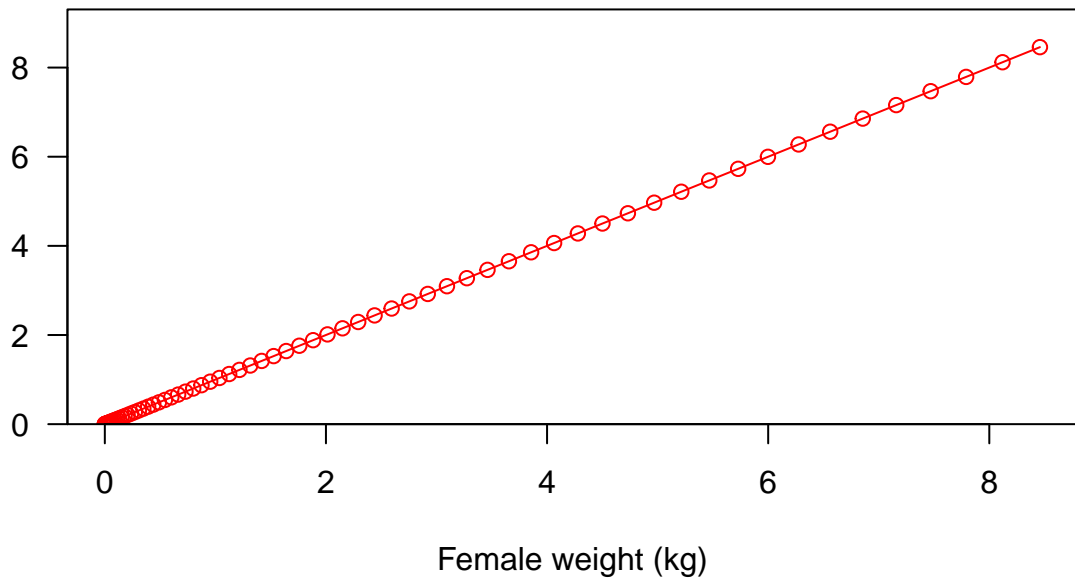








Fecundity



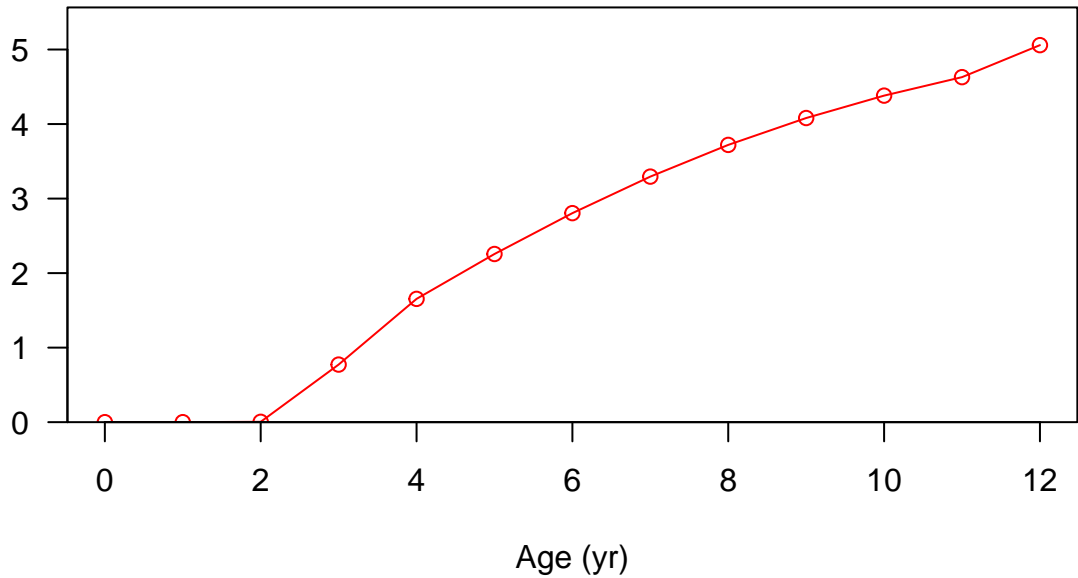
Fecundity



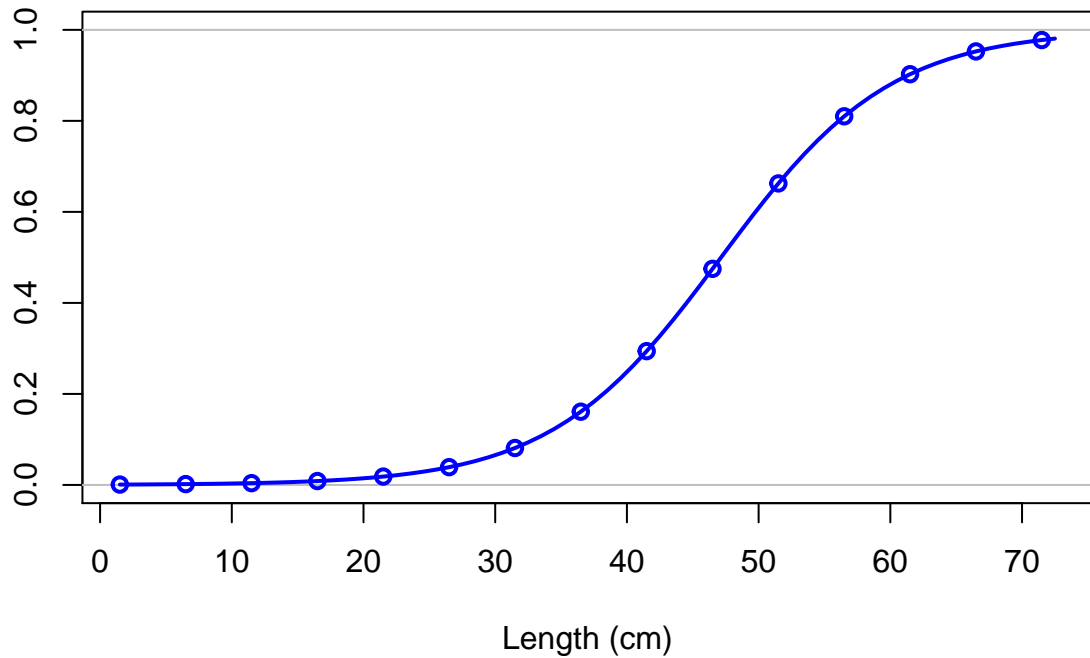
Spawning output



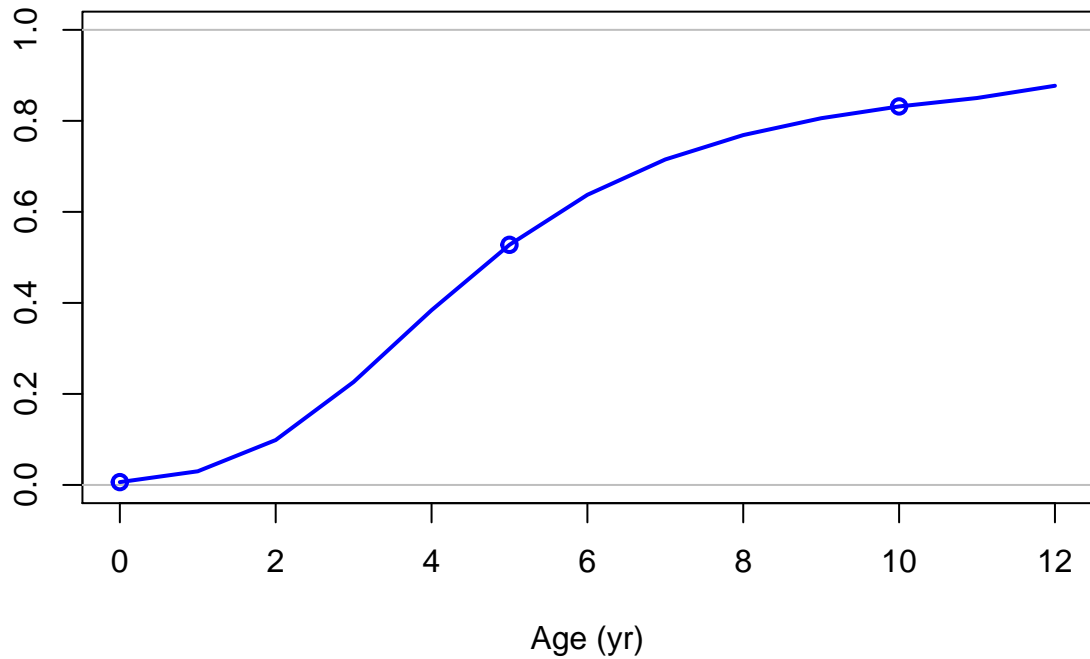
Spawning output



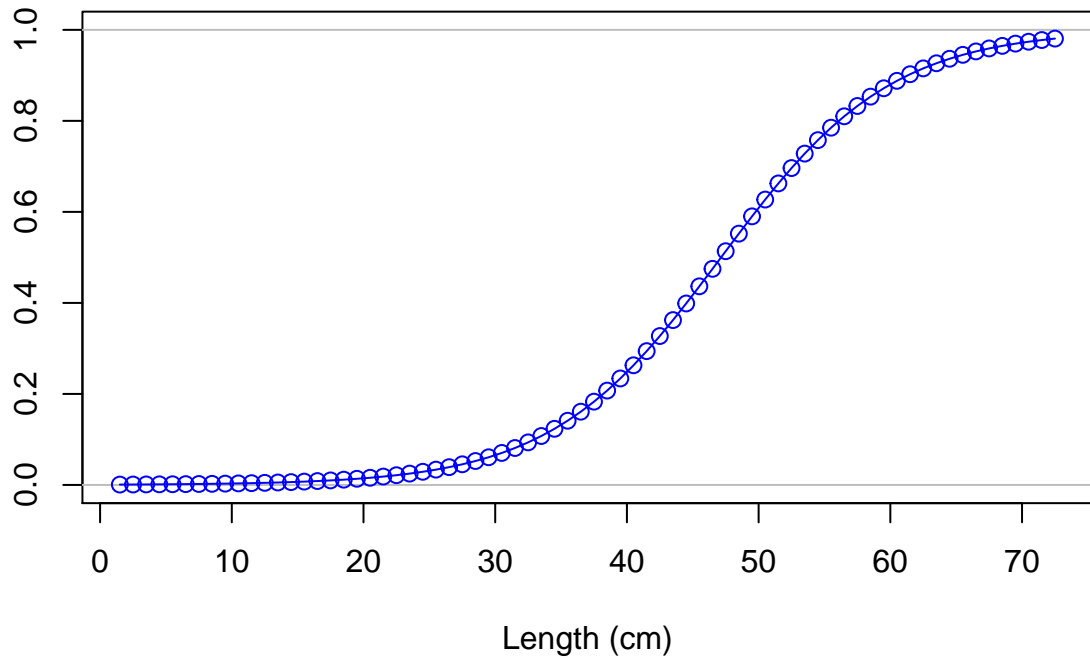
Selectivity

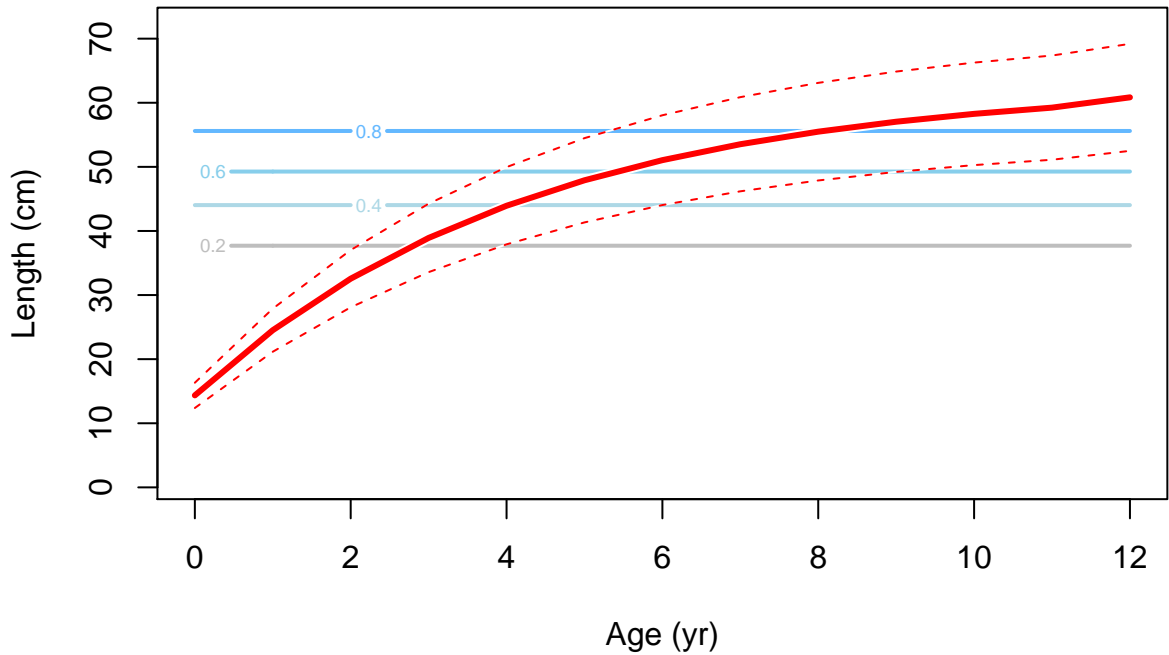


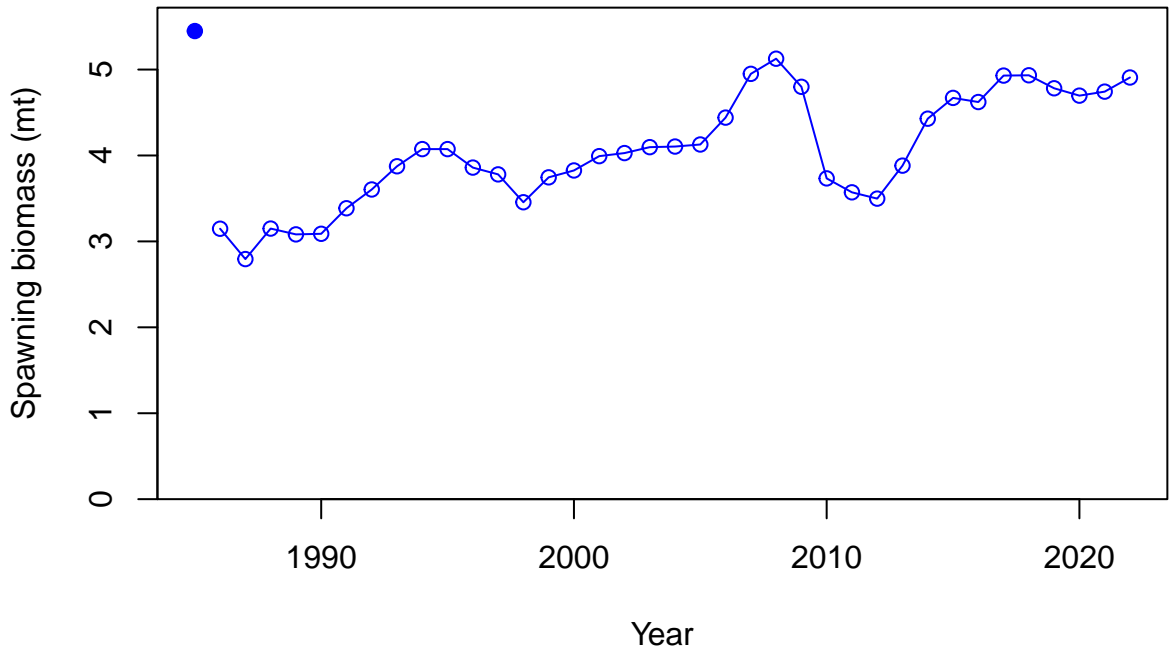
Selectivity

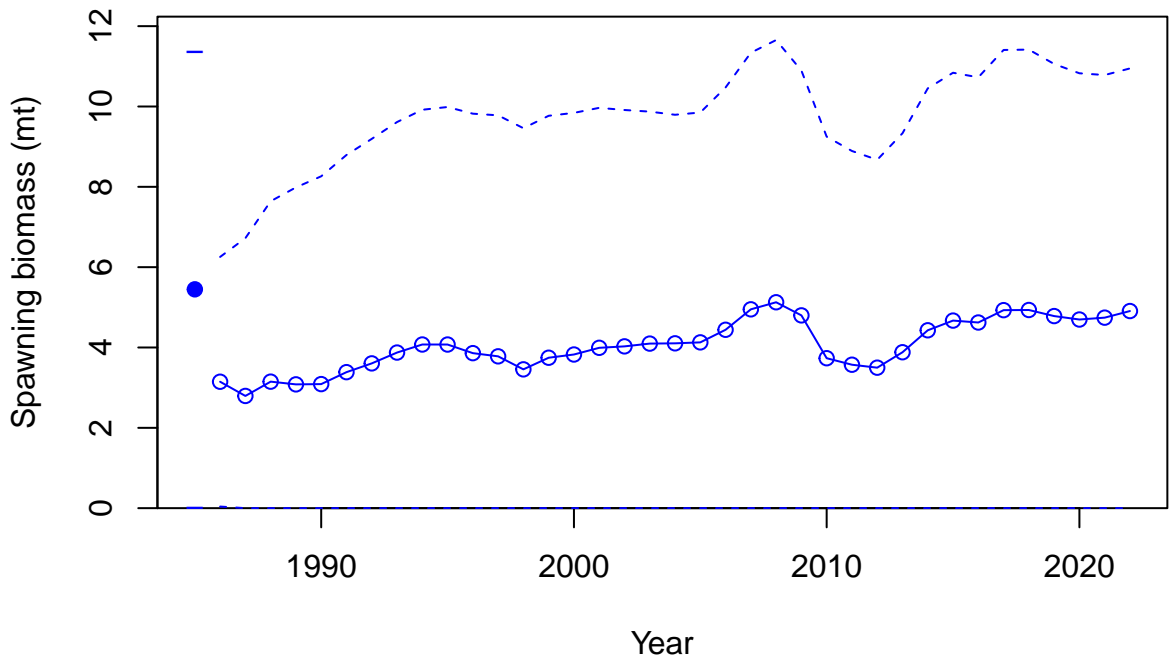


Selectivity

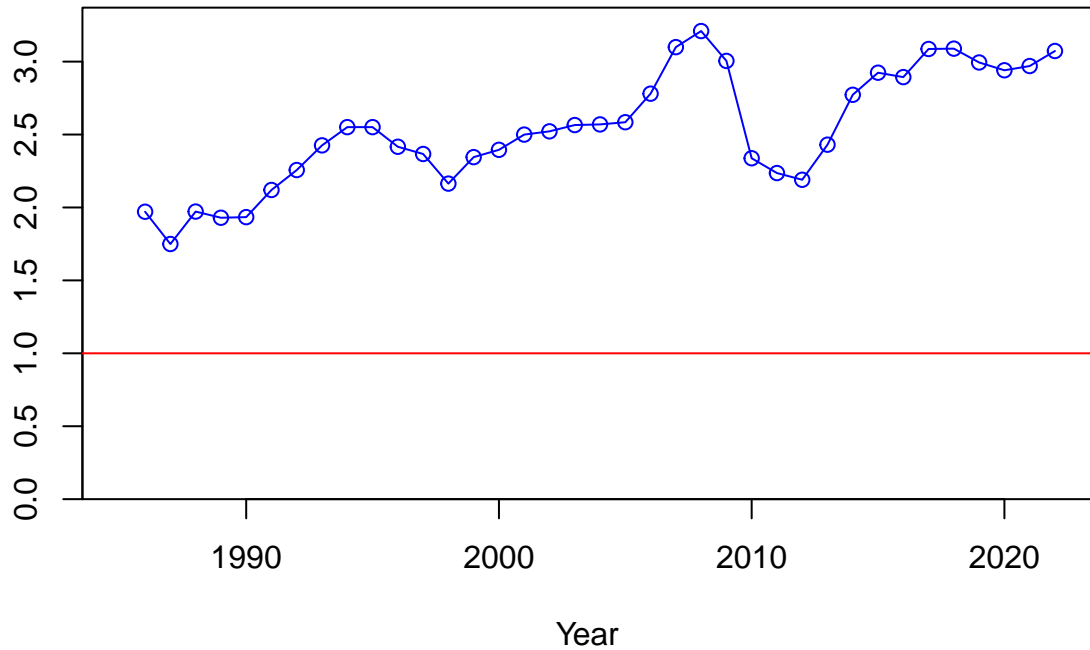




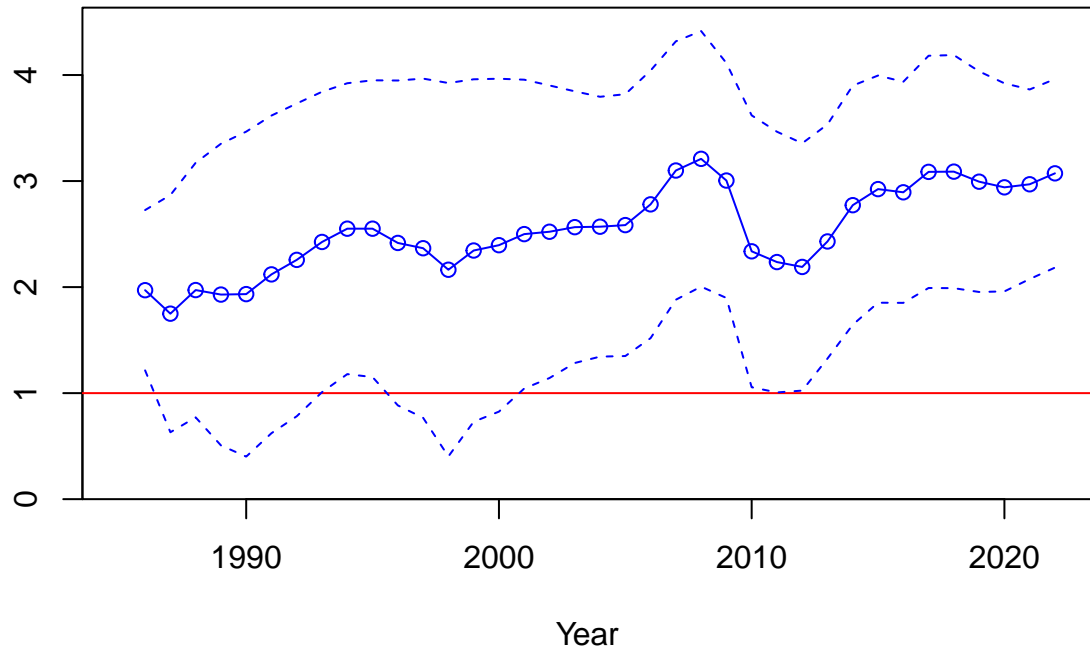


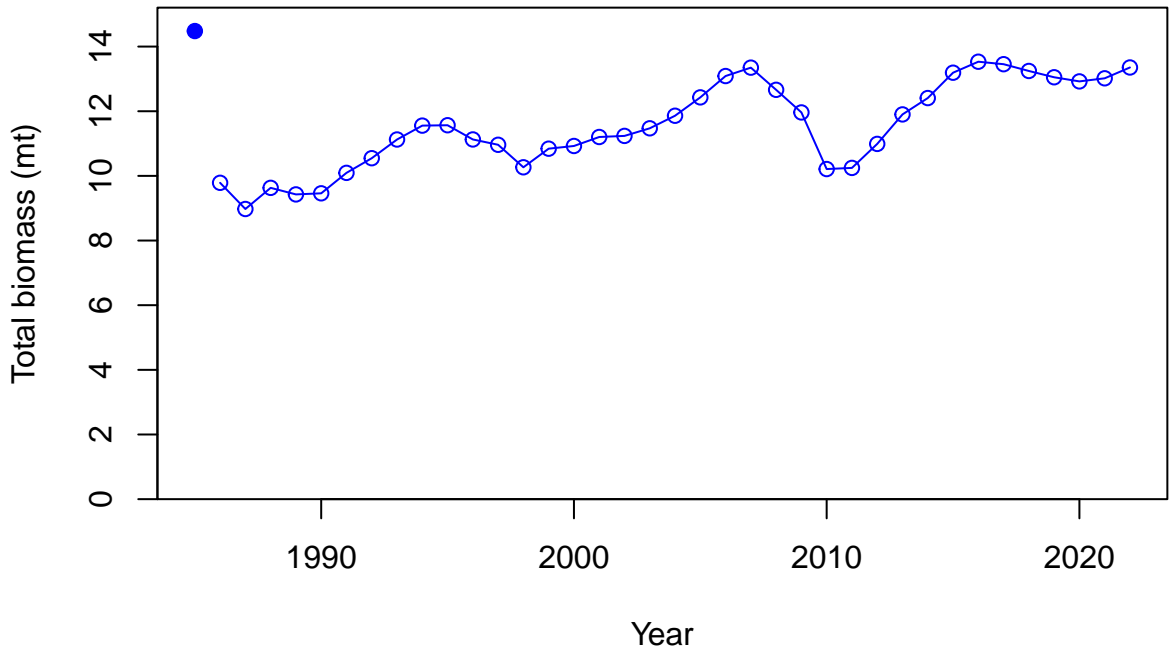


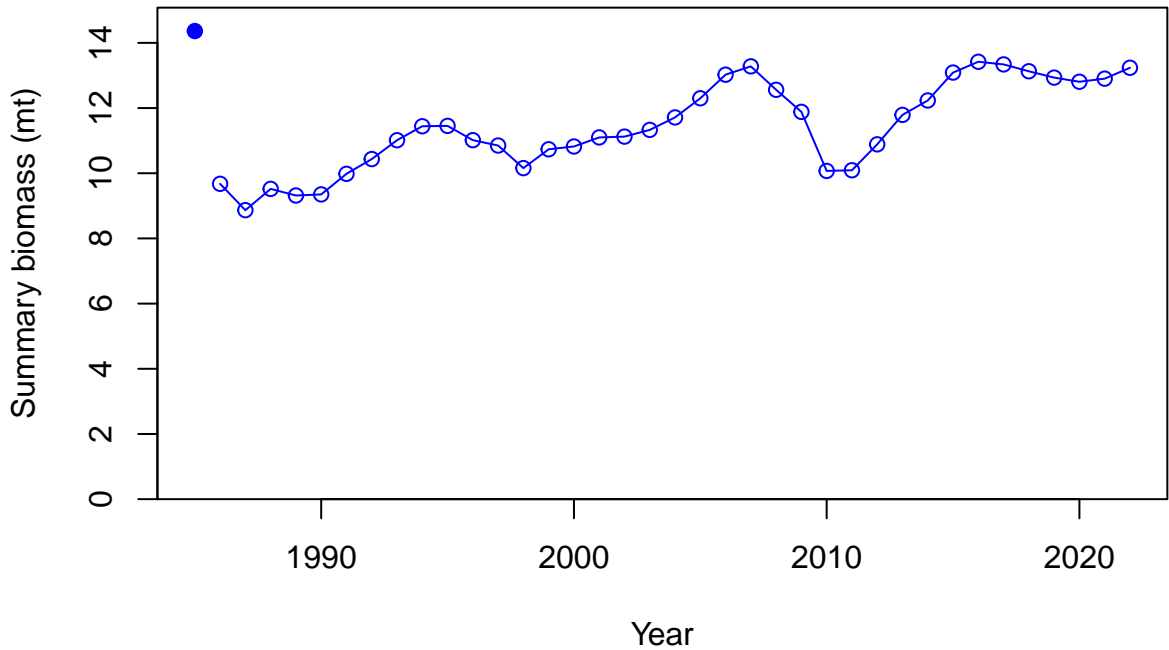
Relative spawning biomass: B/B_MSY



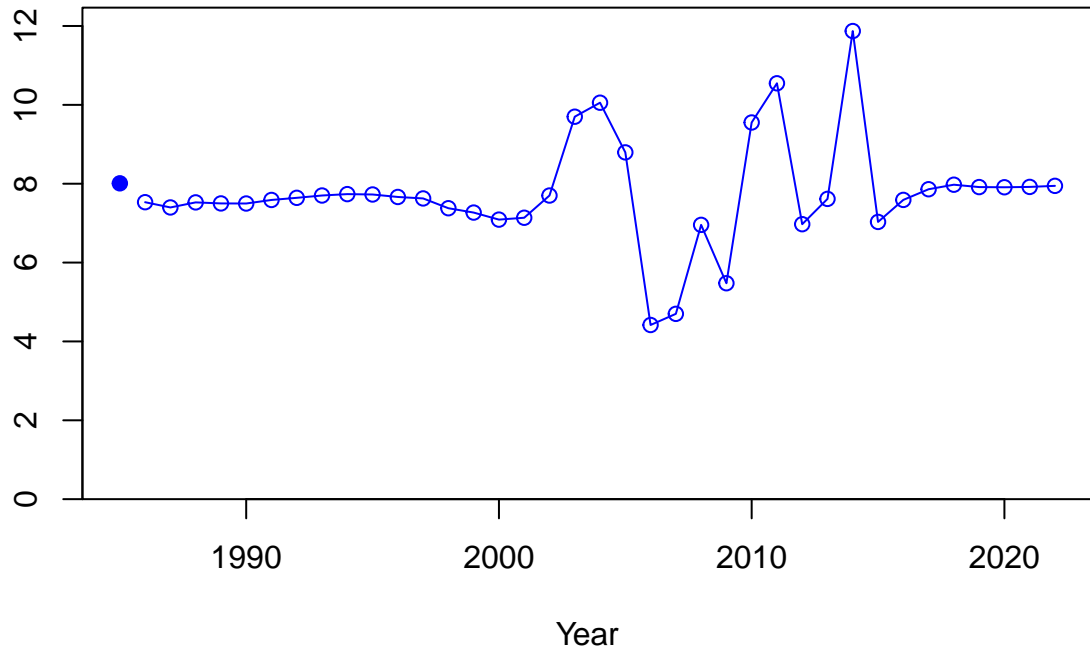
Relative spawning biomass: B/B_{MSY}



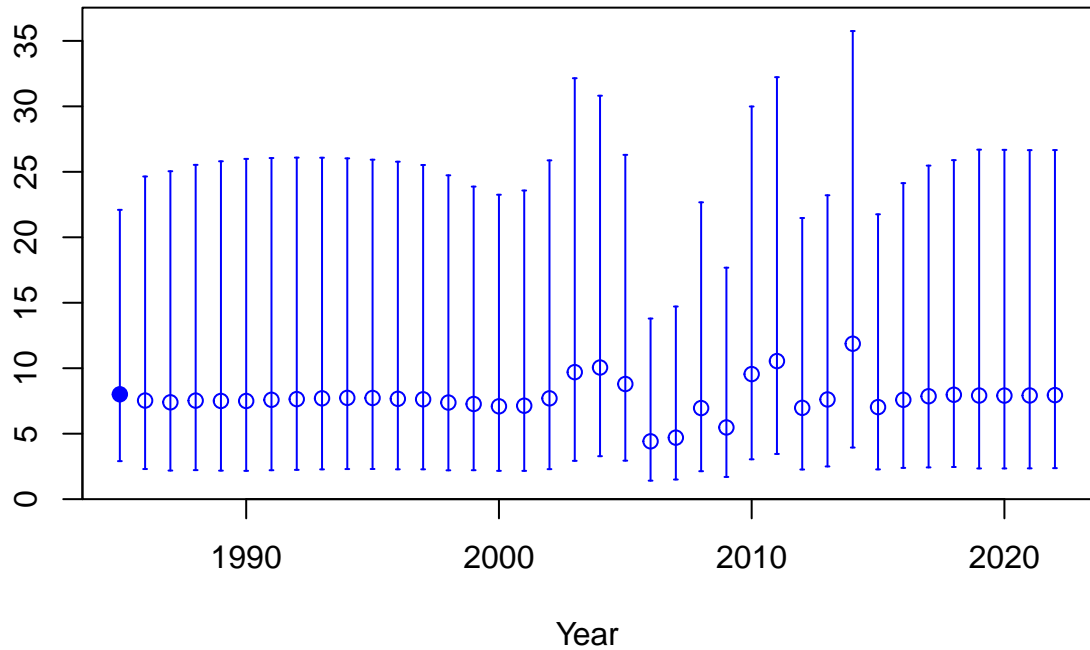




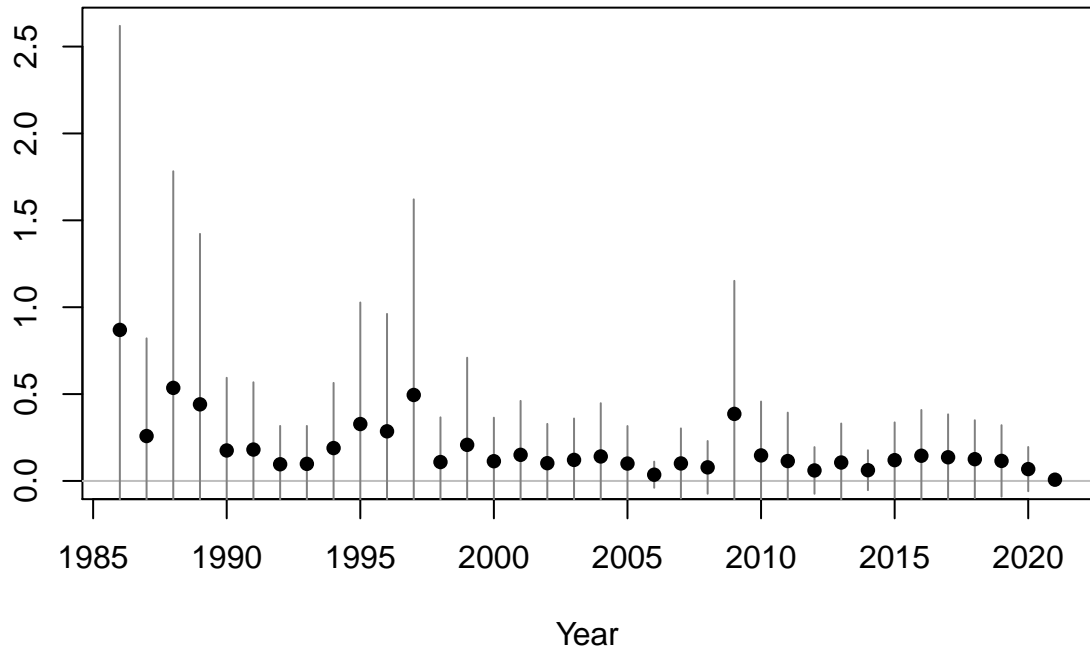
Age-0 recruits (1,000s)

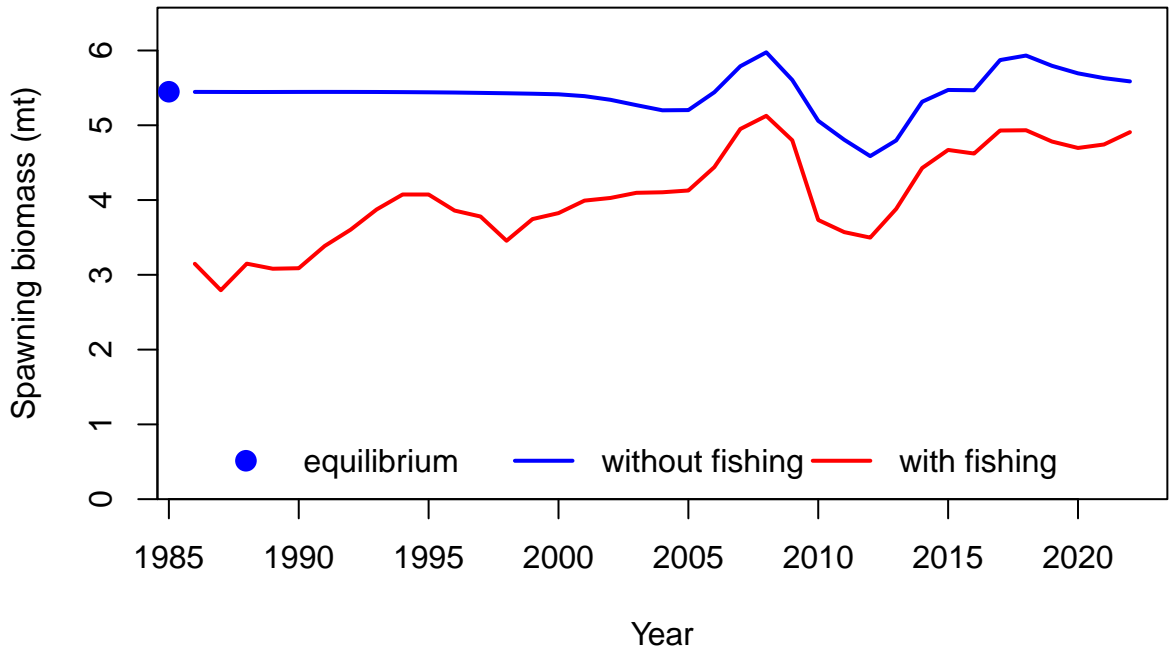


Age-0 recruits (1,000s)



Summary Fishing Mortality





Log recruitment deviation

0.4
0.2
0.0
-0.2
-0.4

1980

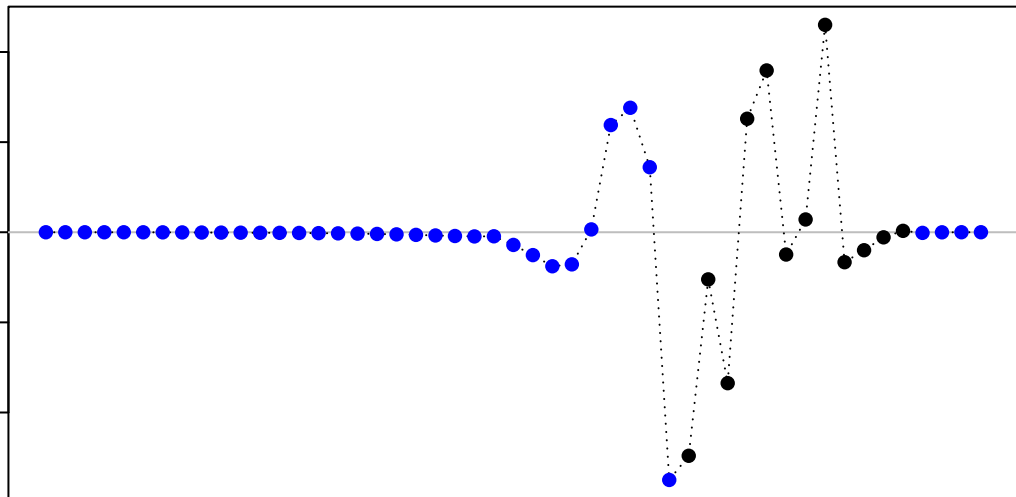
1990

2000

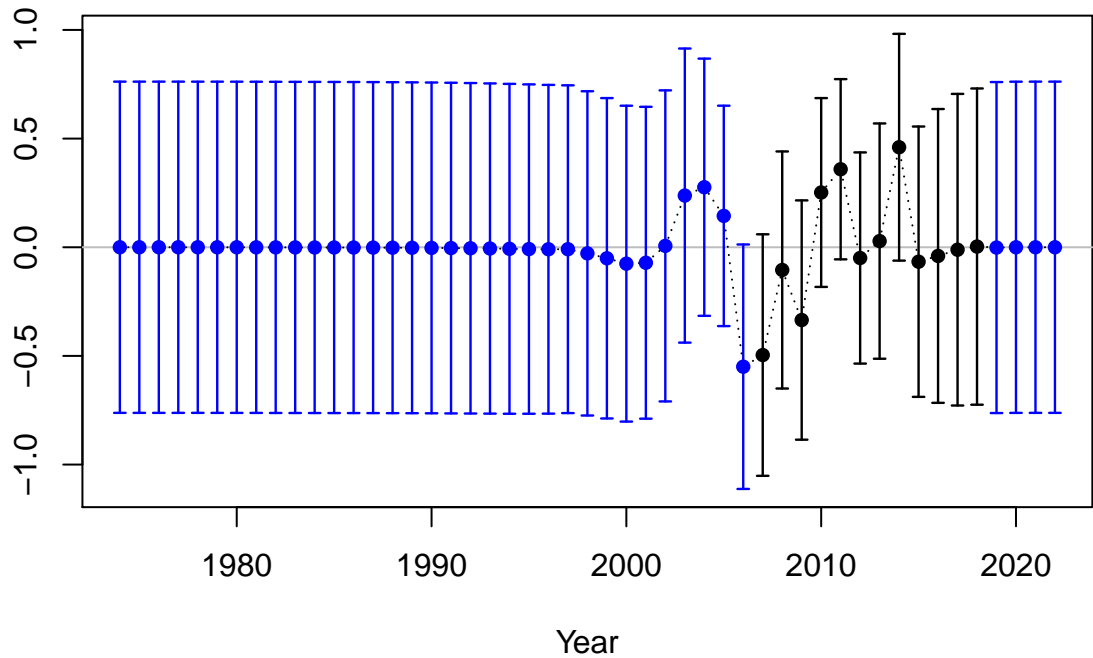
2010

2020

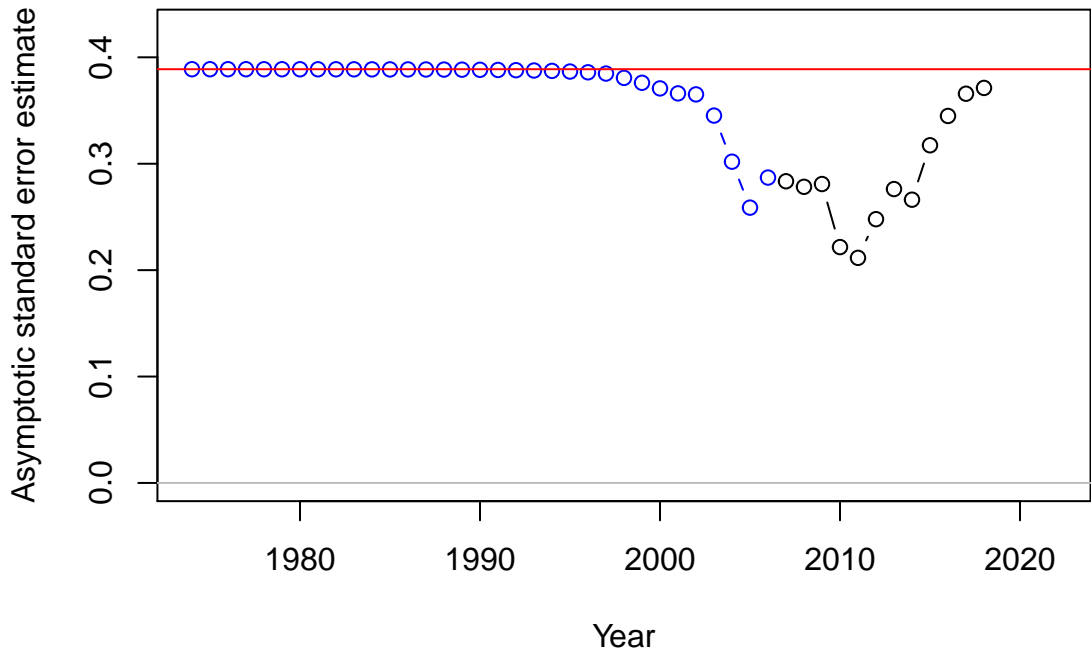
Year

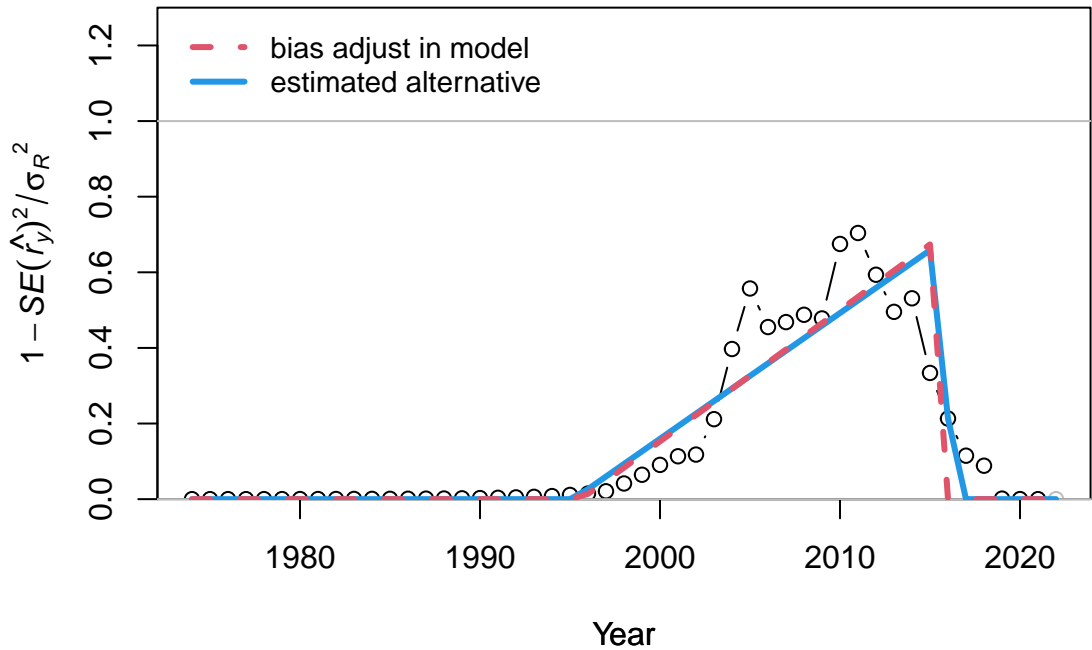


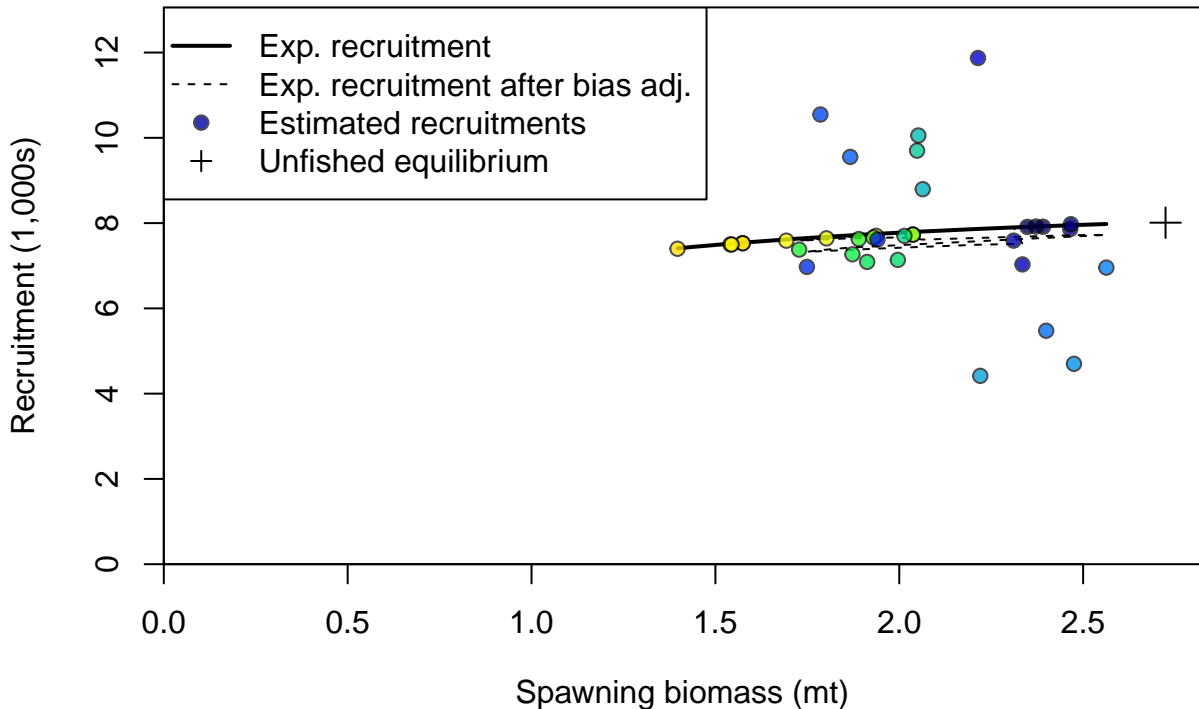
Log recruitment deviation

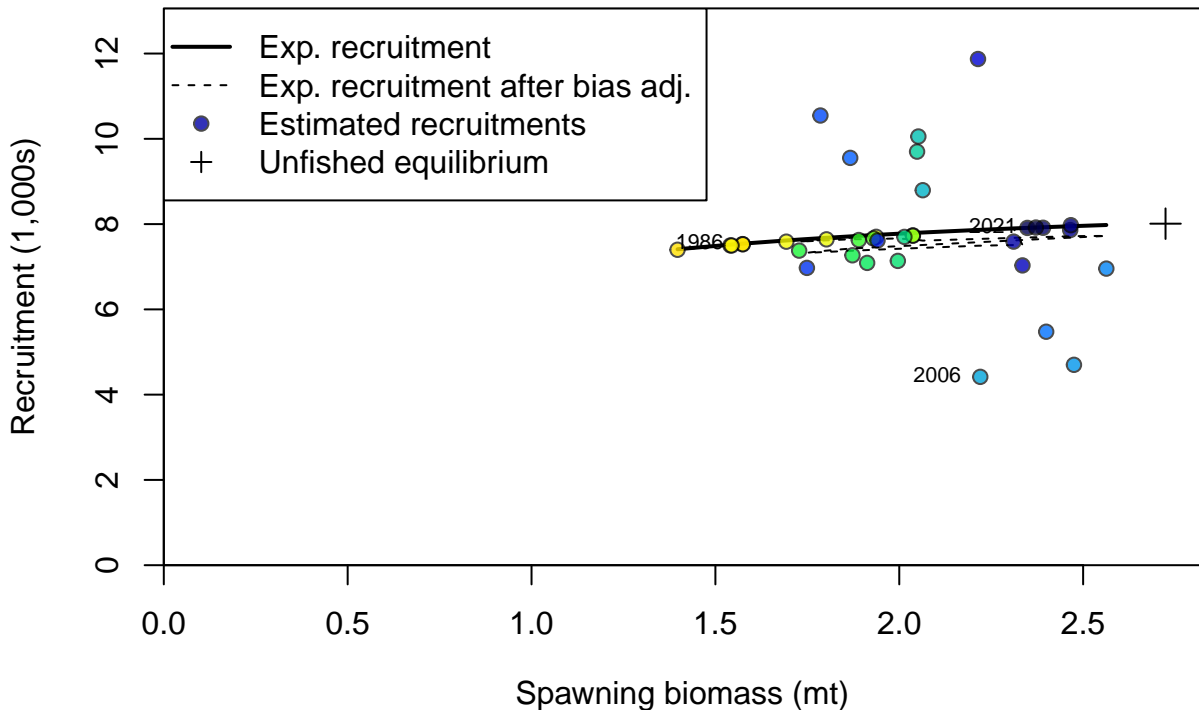


Recruitment deviation variance

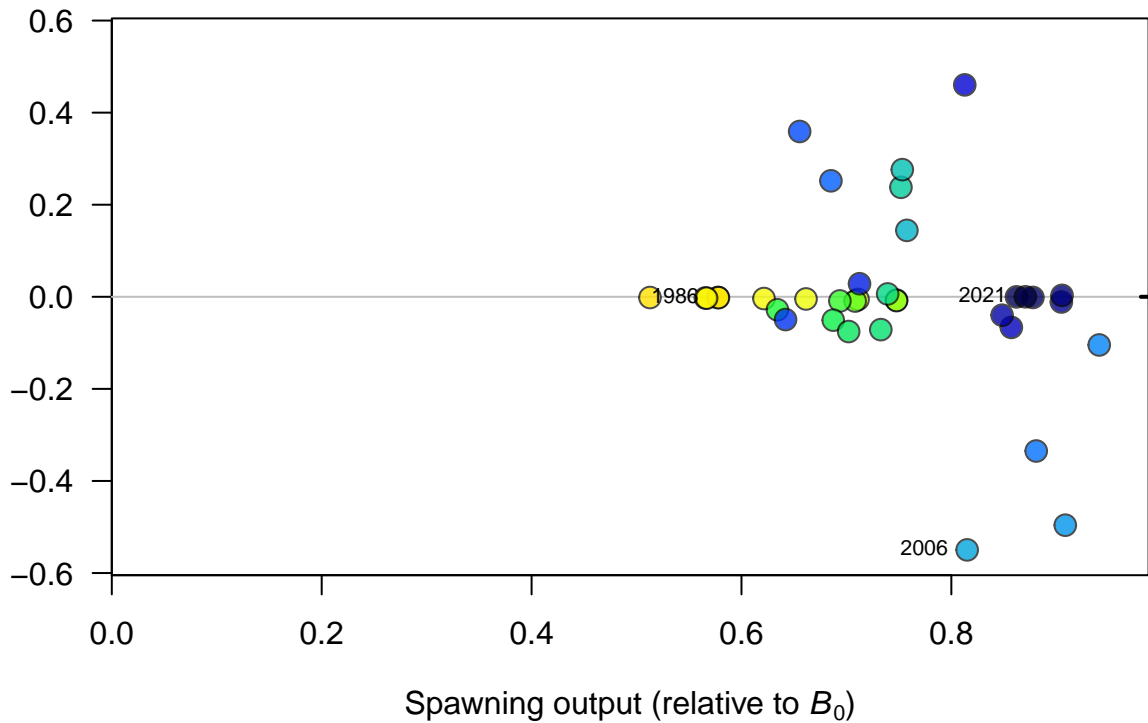


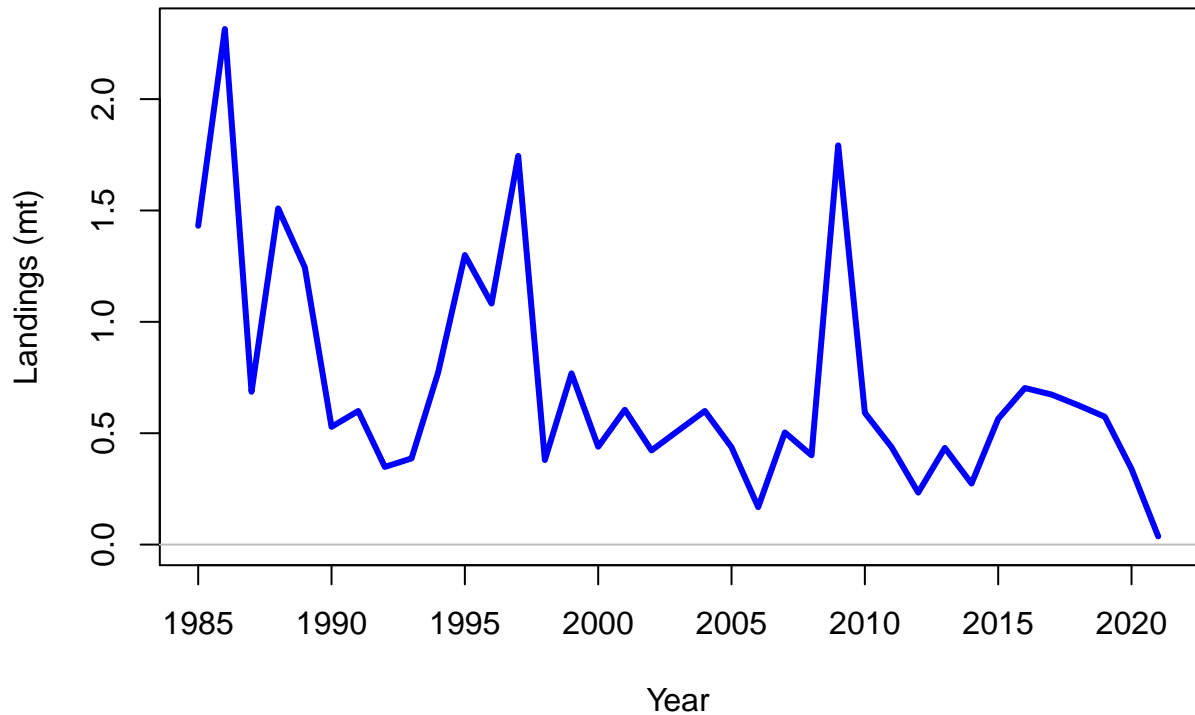


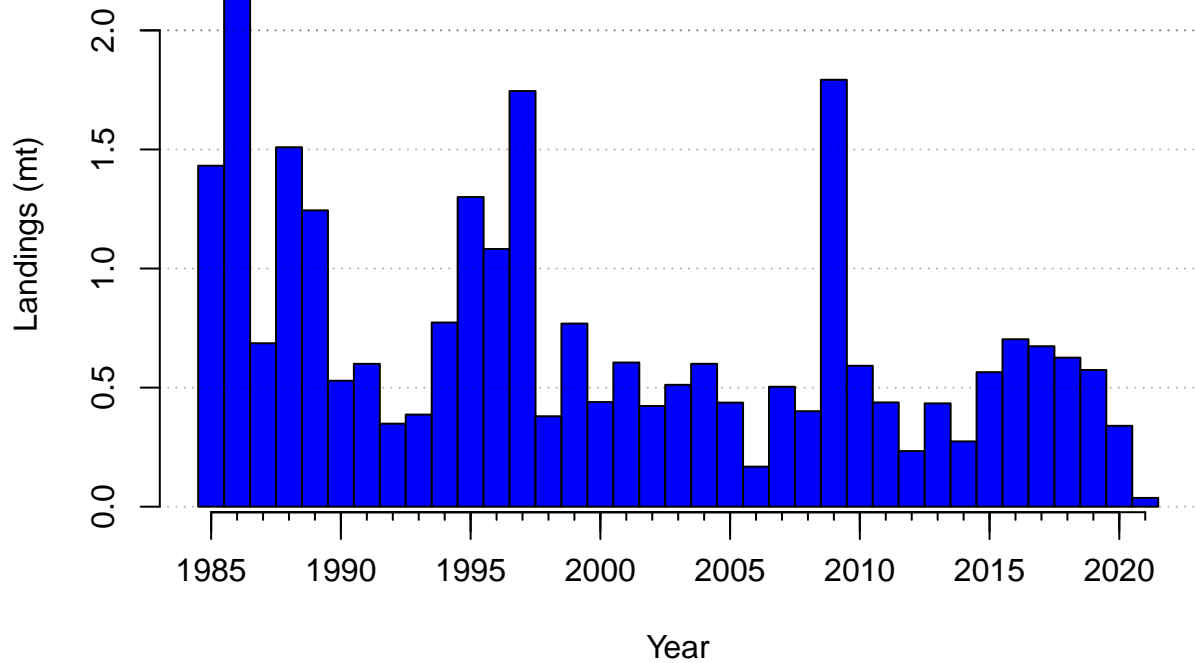


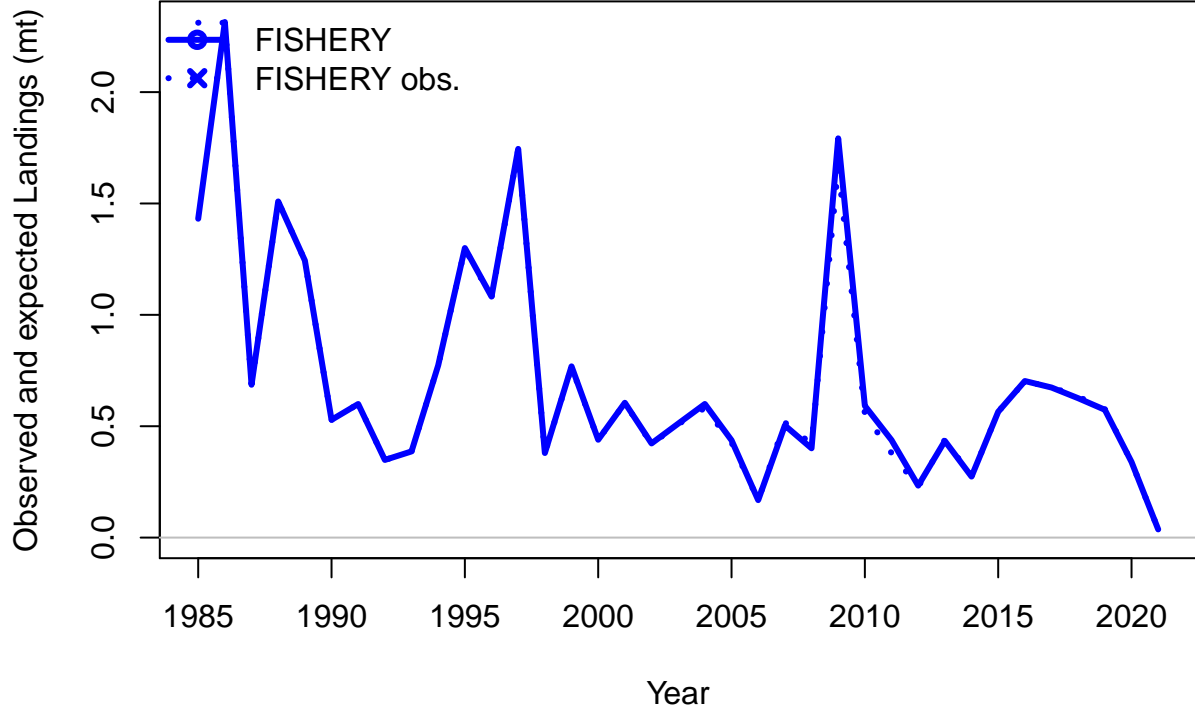


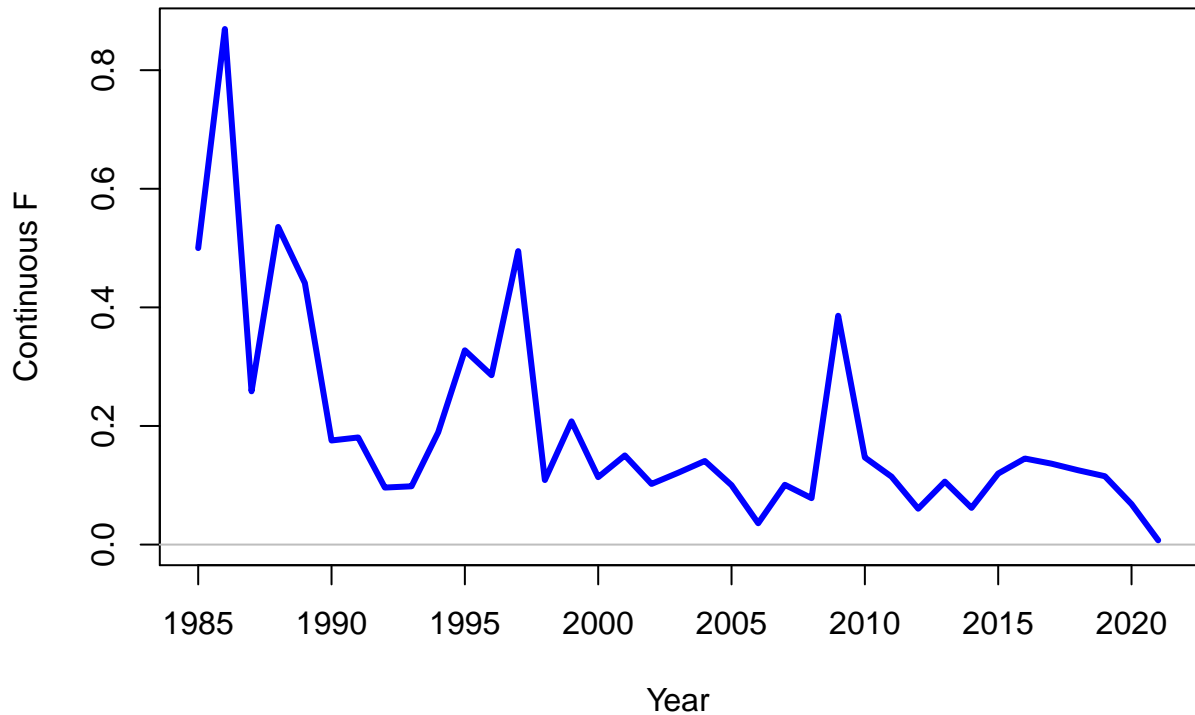
Log recruitment deviation



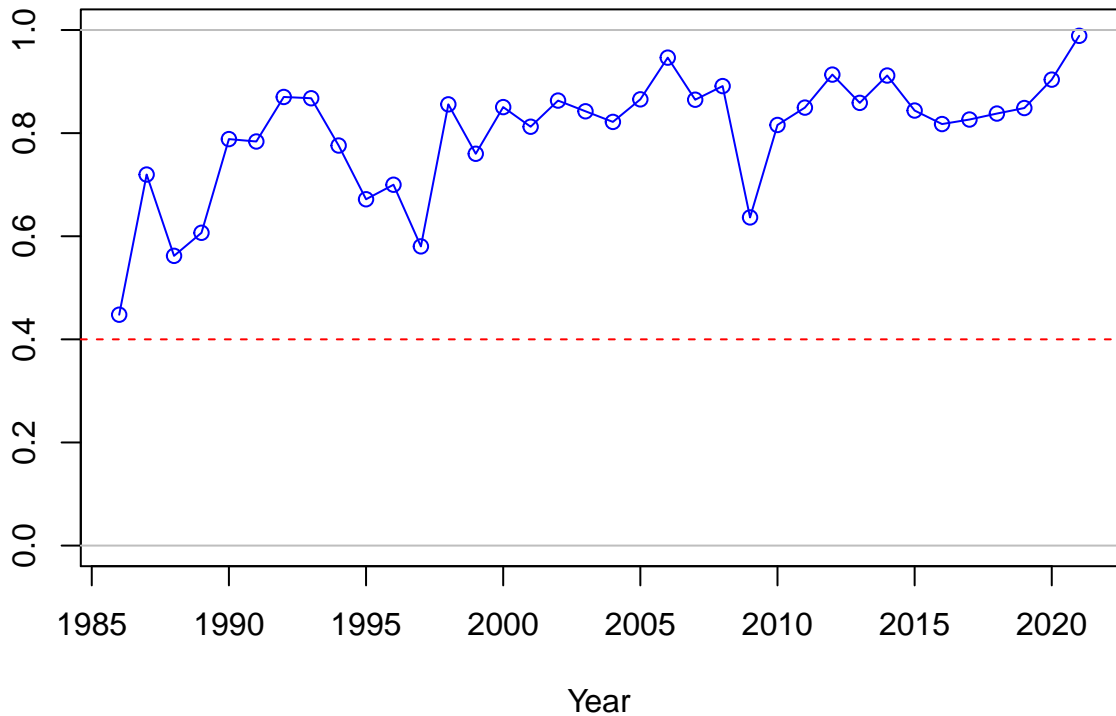




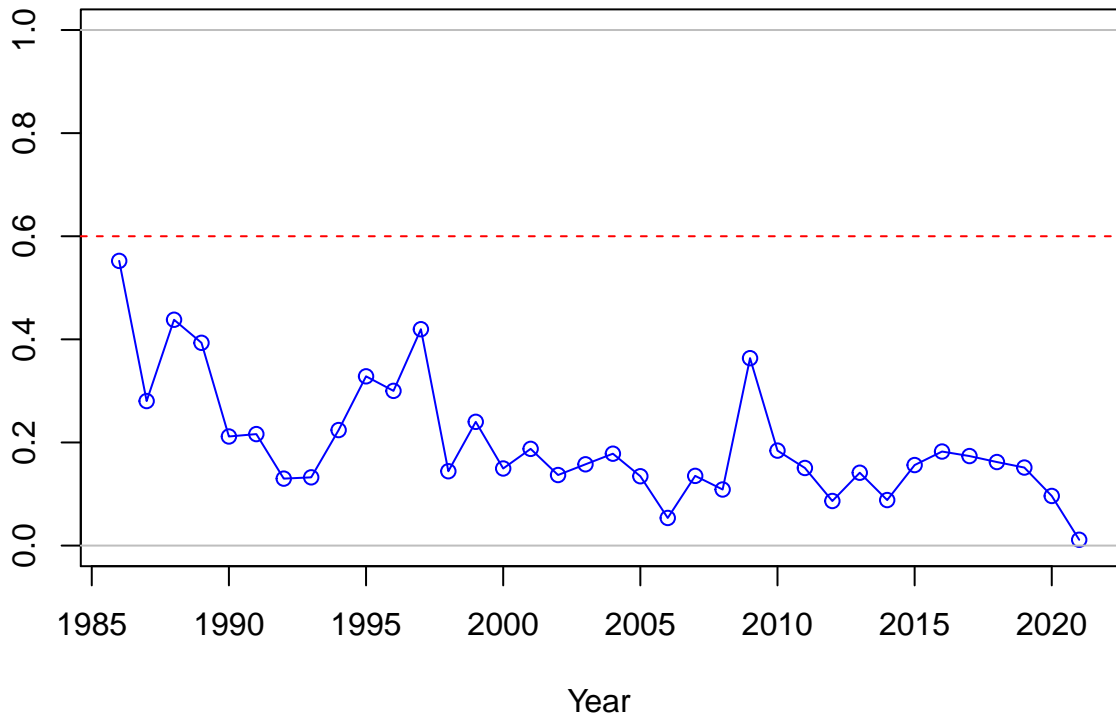




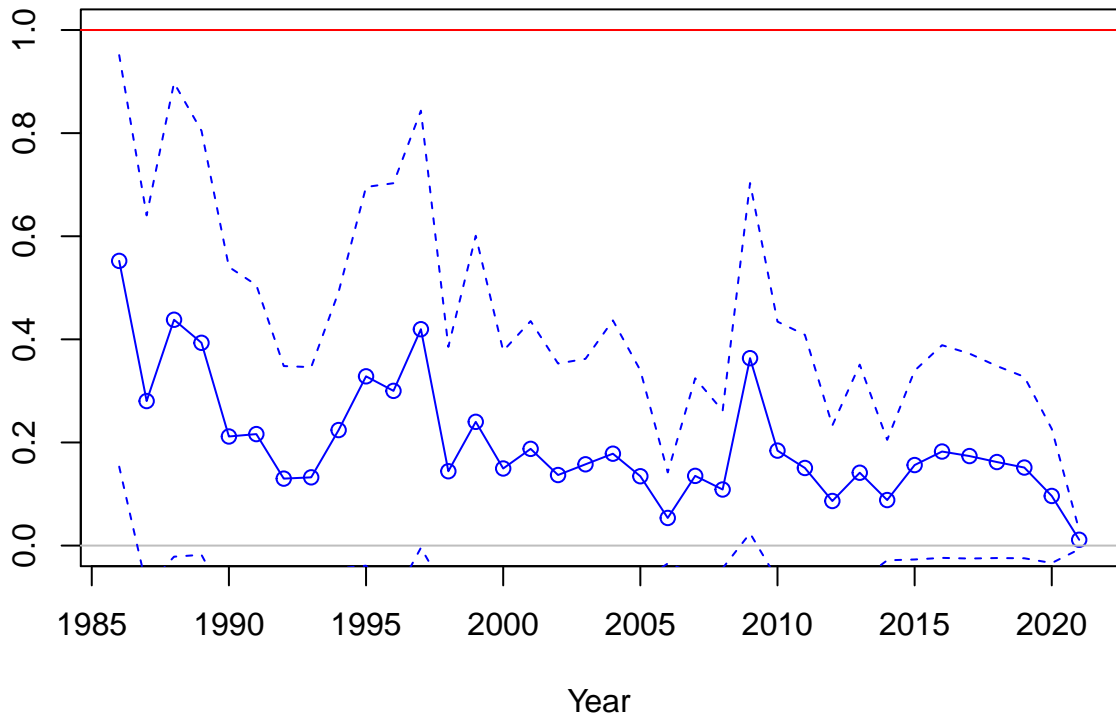
SPR



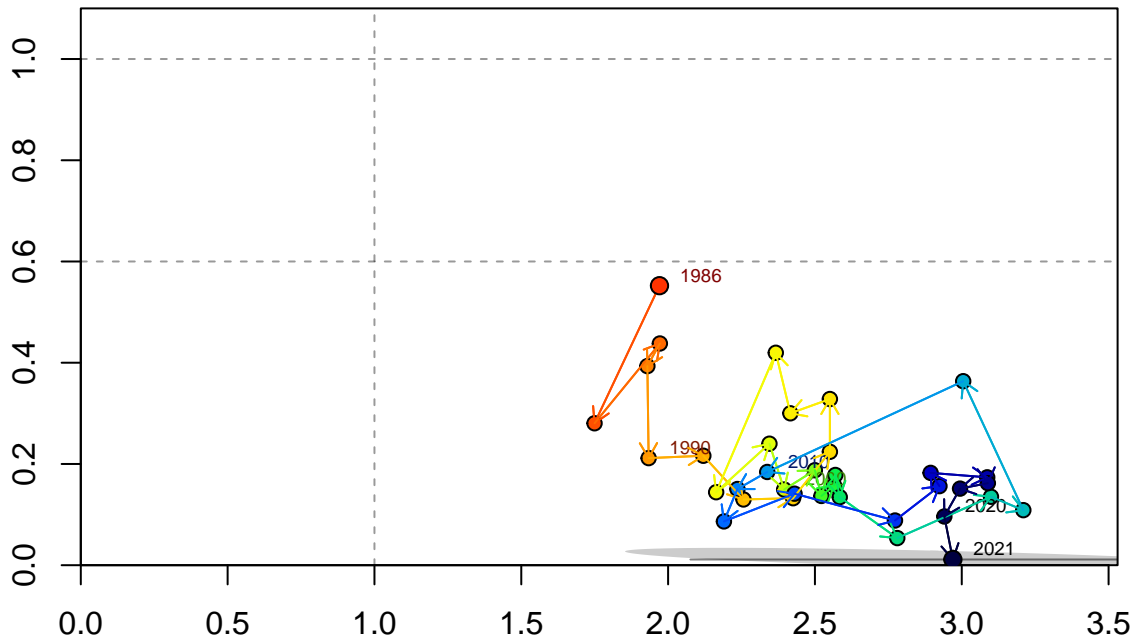
1-SPR



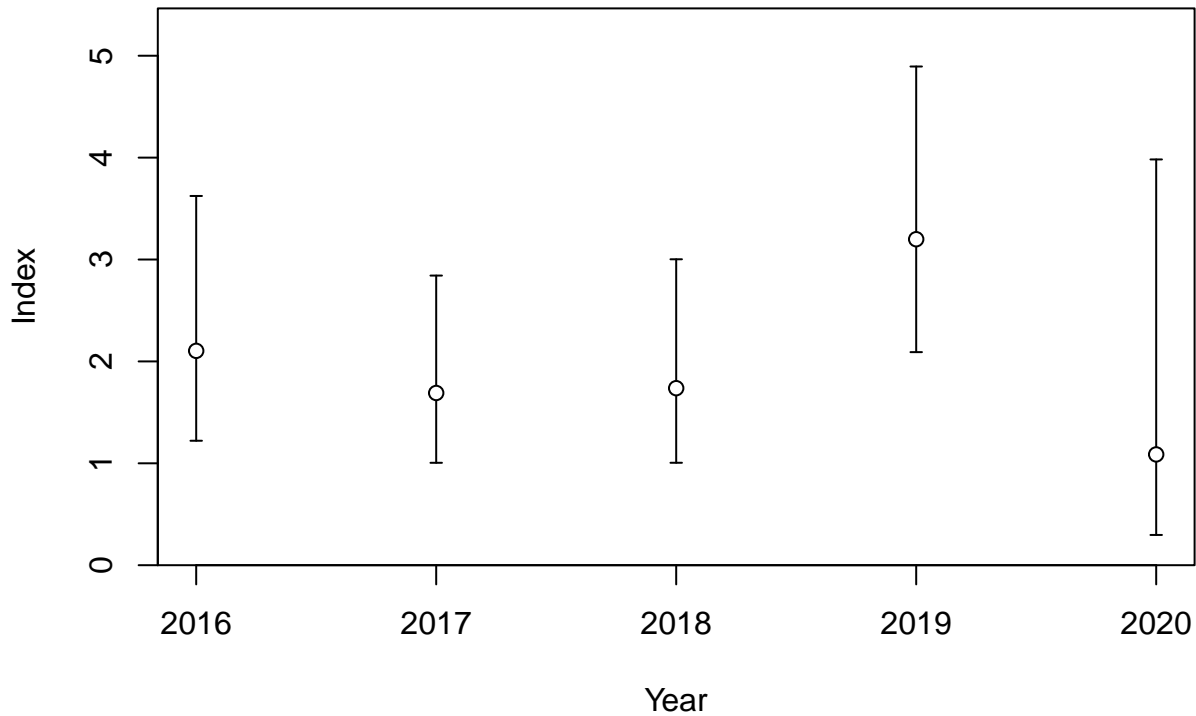
Fishing intensity: 1-SPR



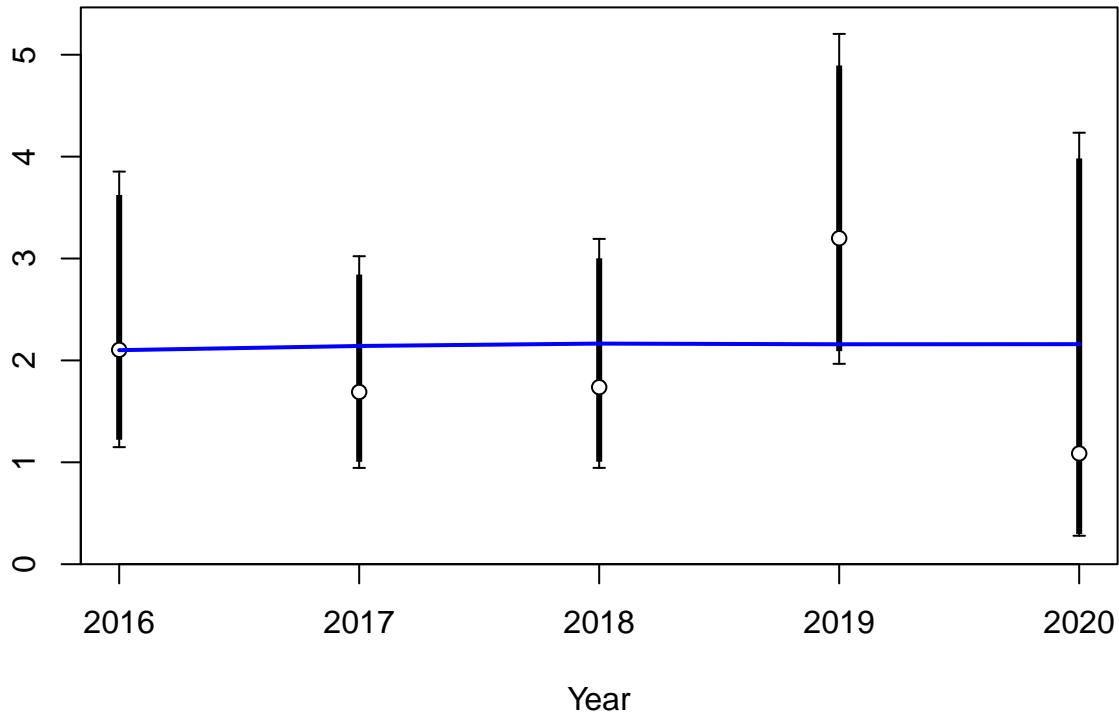
Fishing intensity: 1-SPR

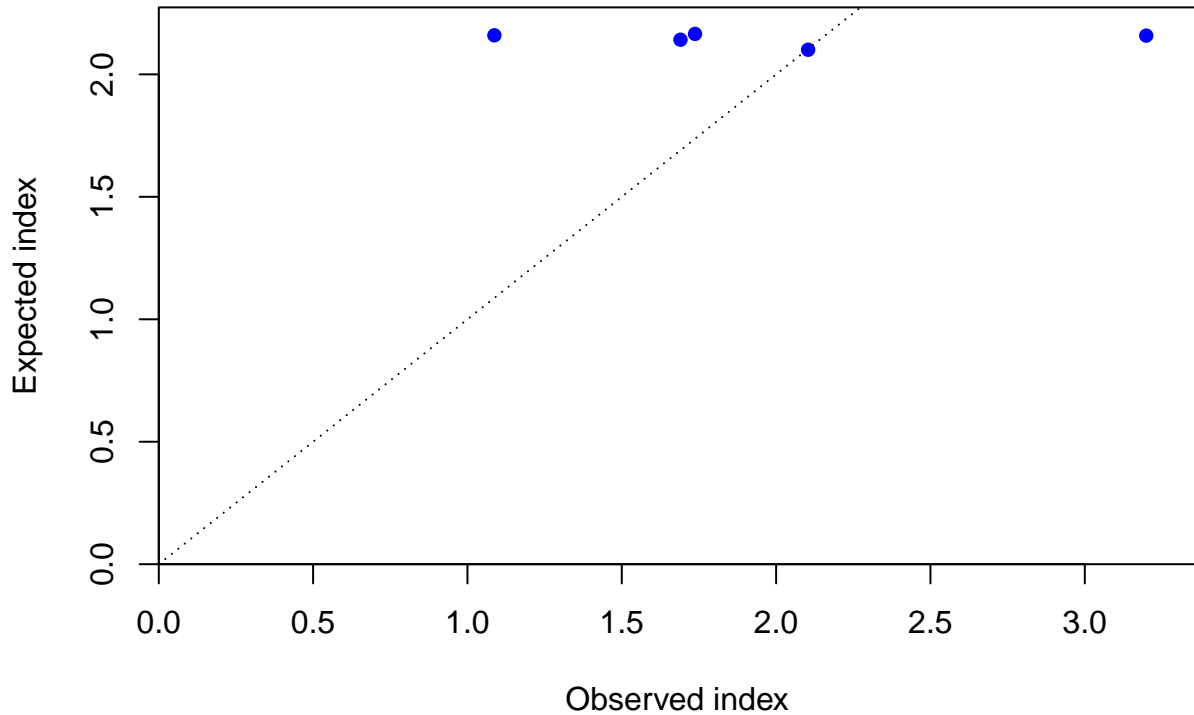


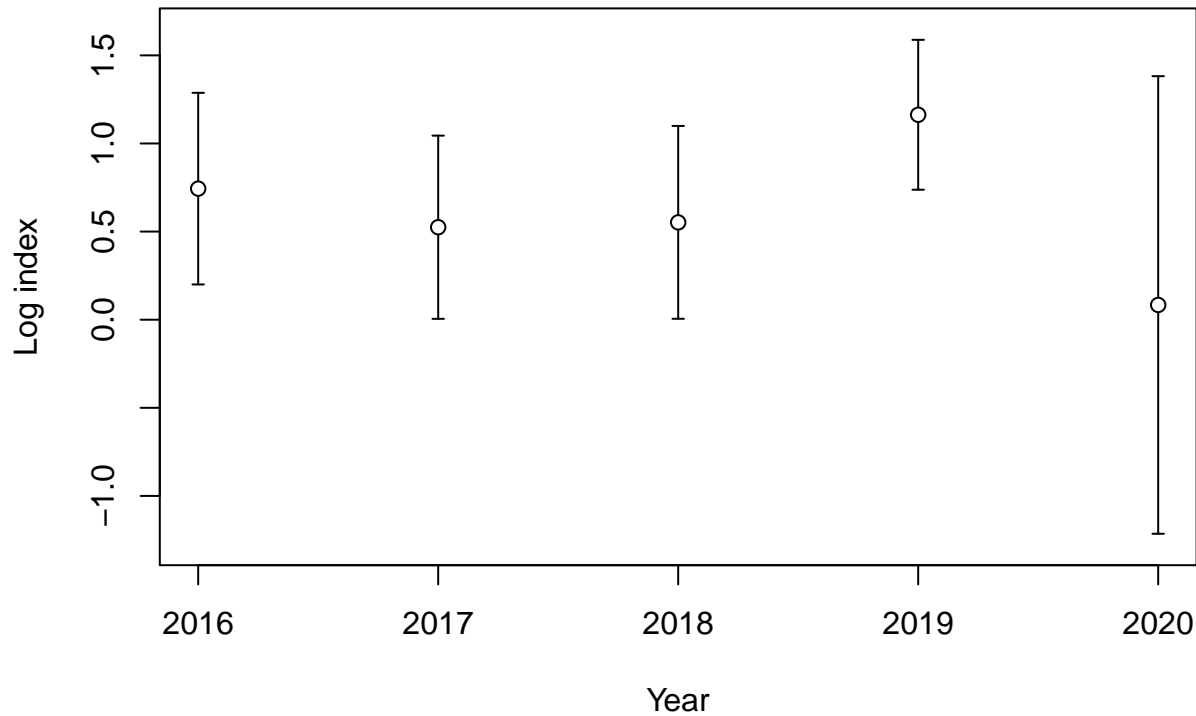
Relative spawning output: B/B_{MSY}

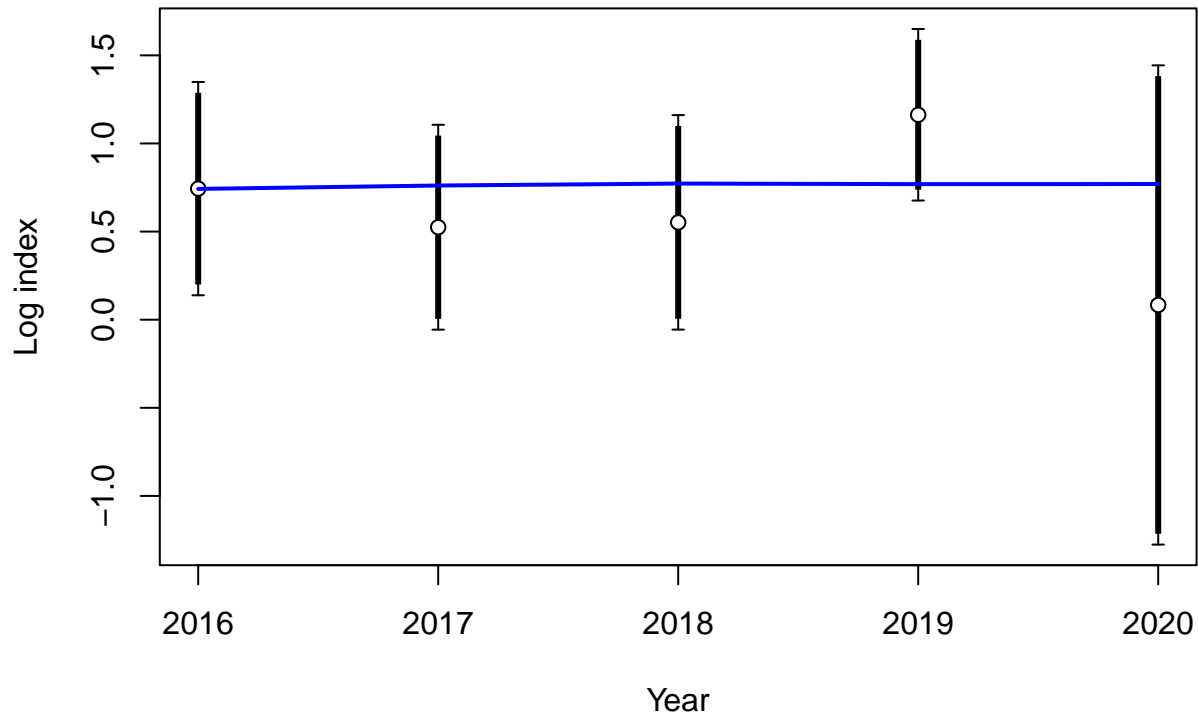


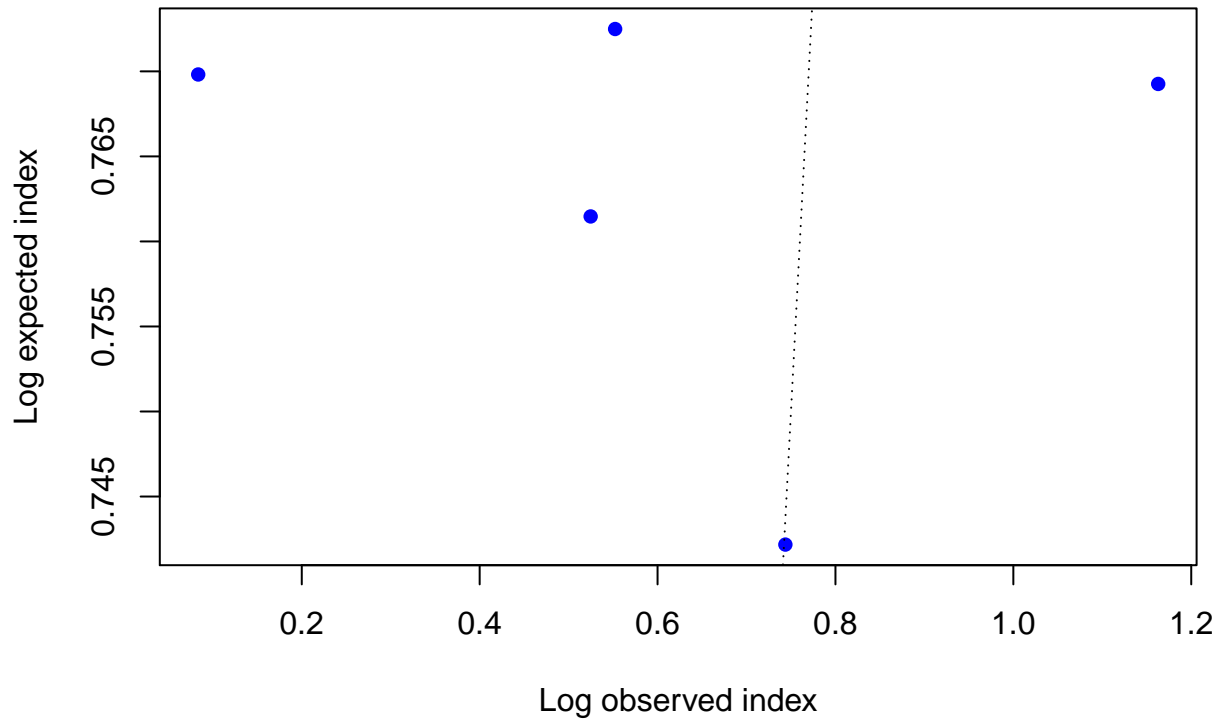
Index



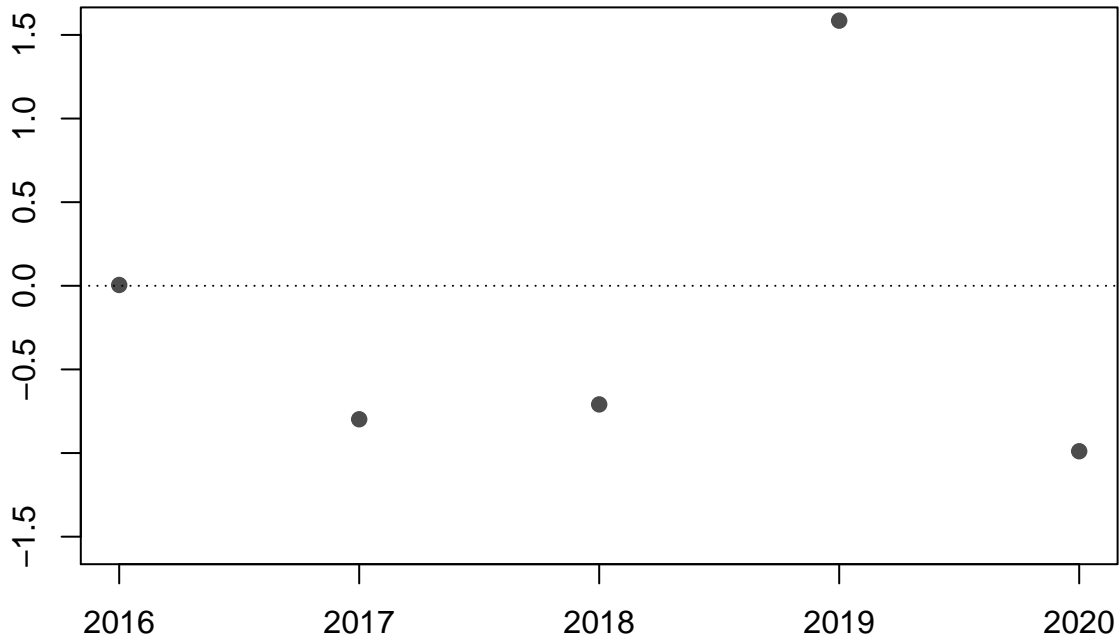




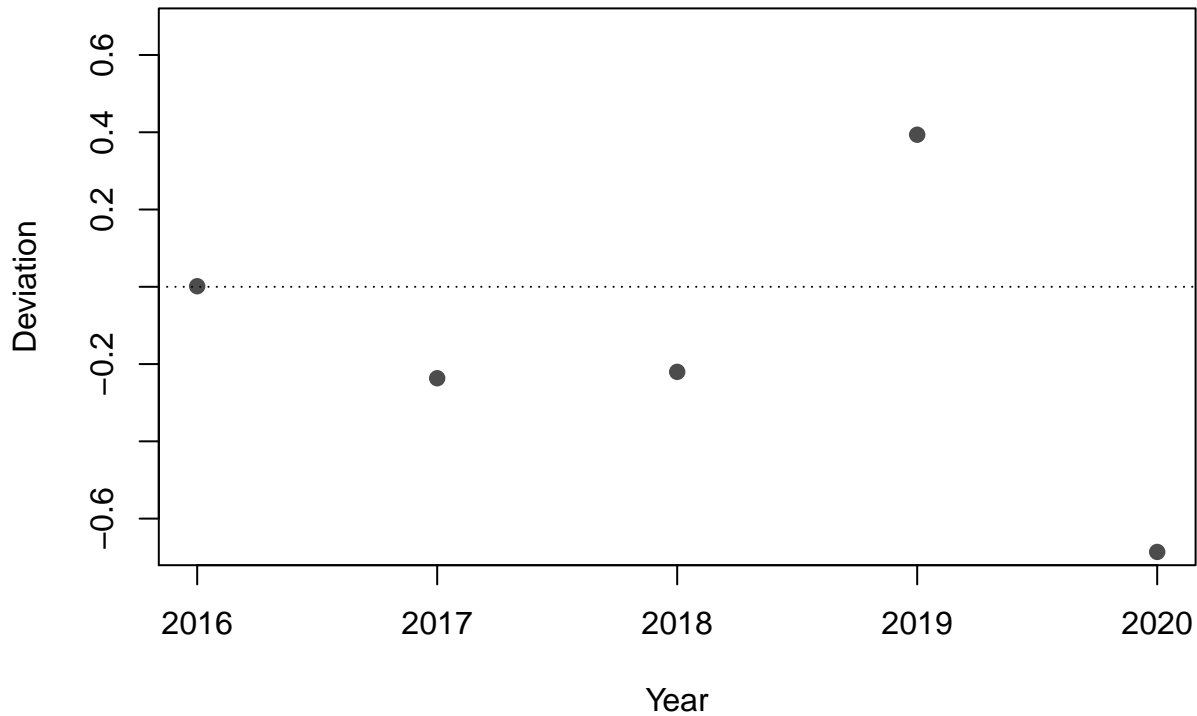


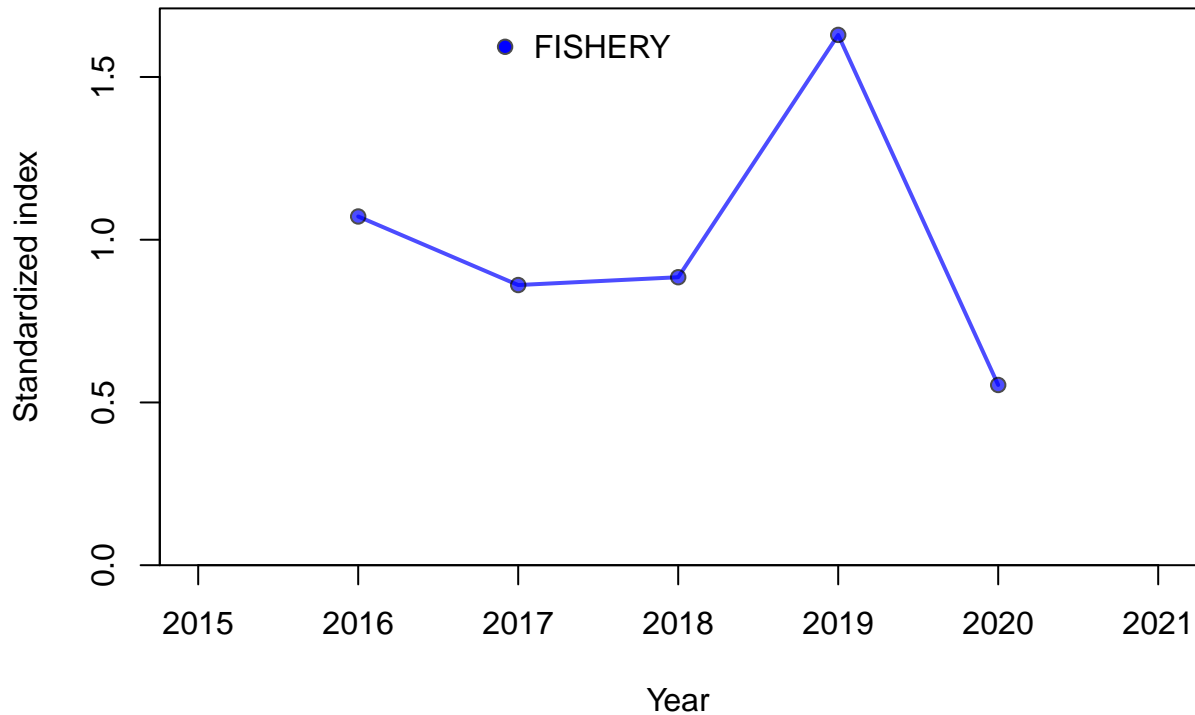


Residual

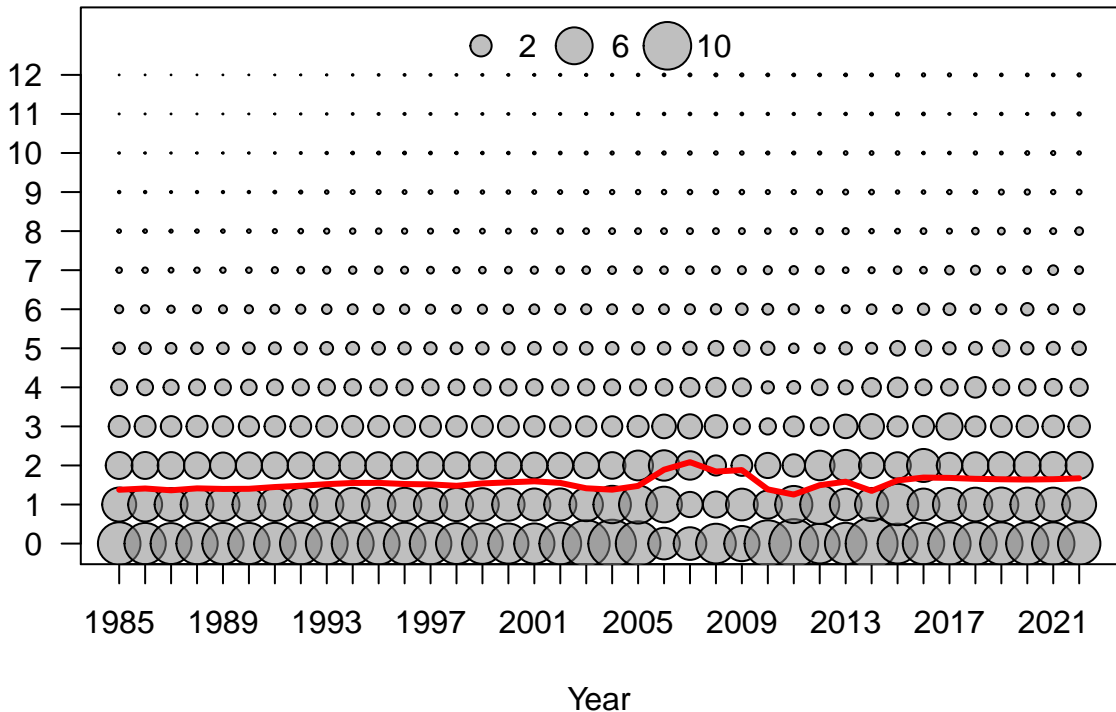


Year

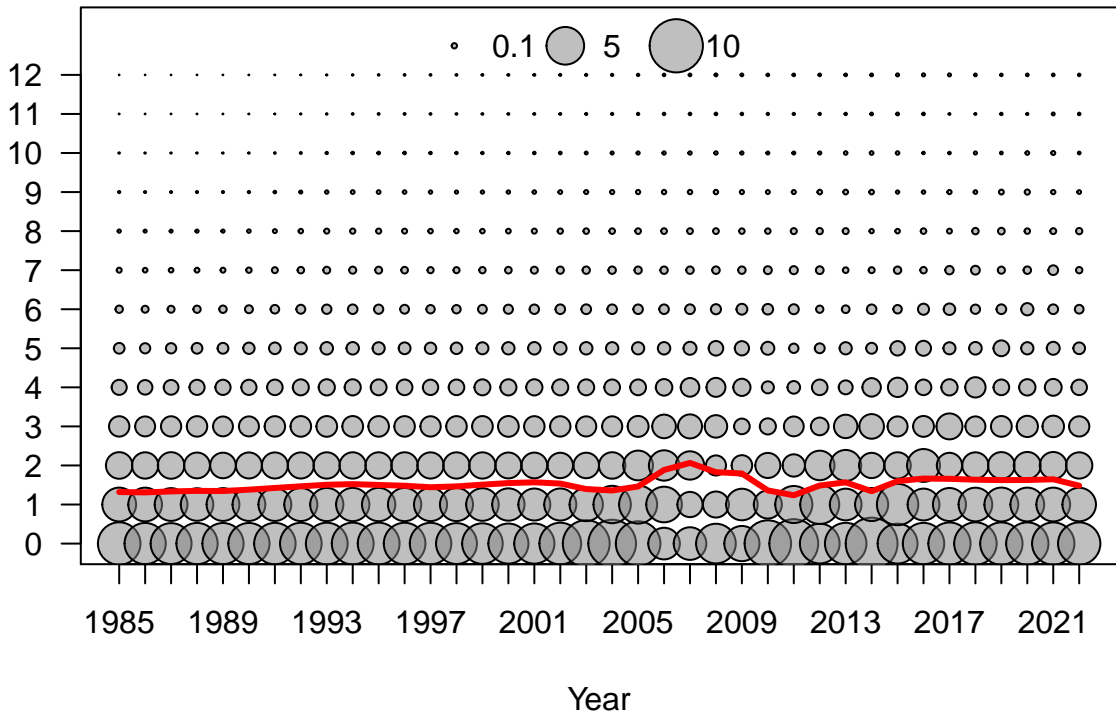




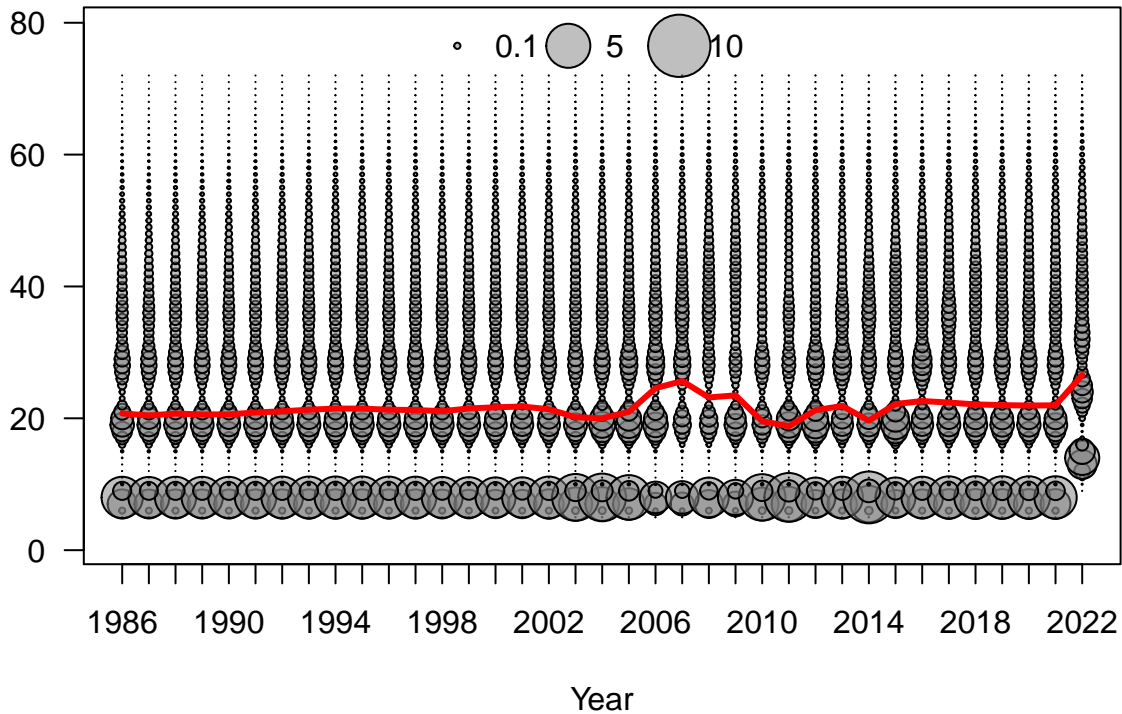
Age



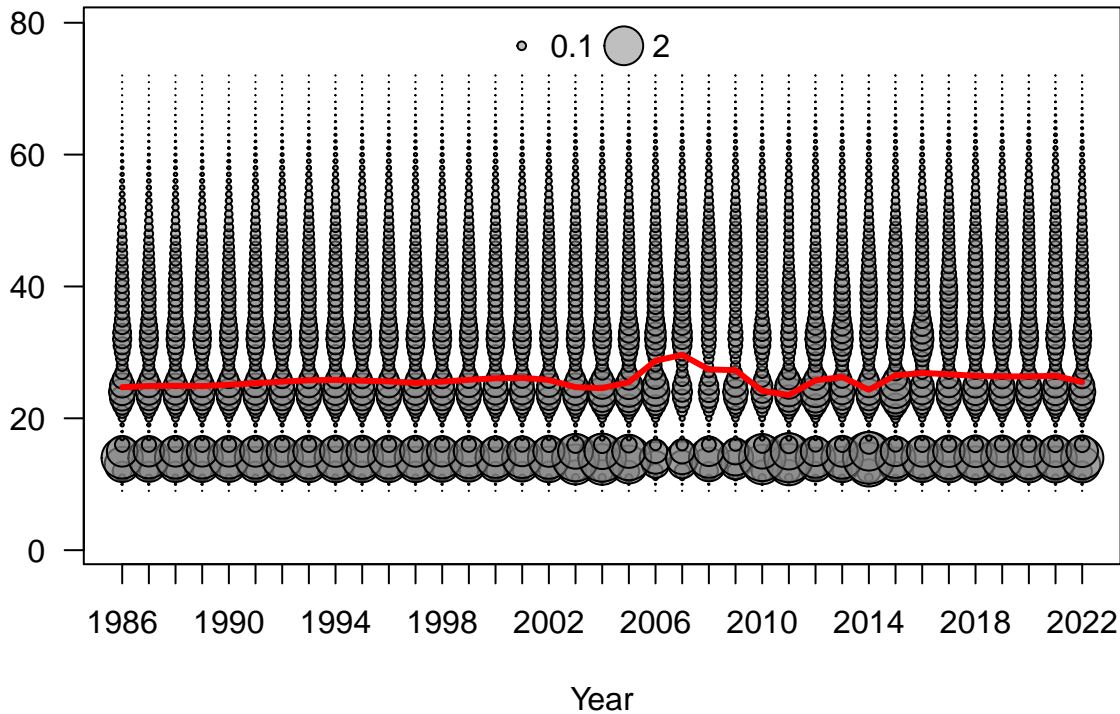
Age

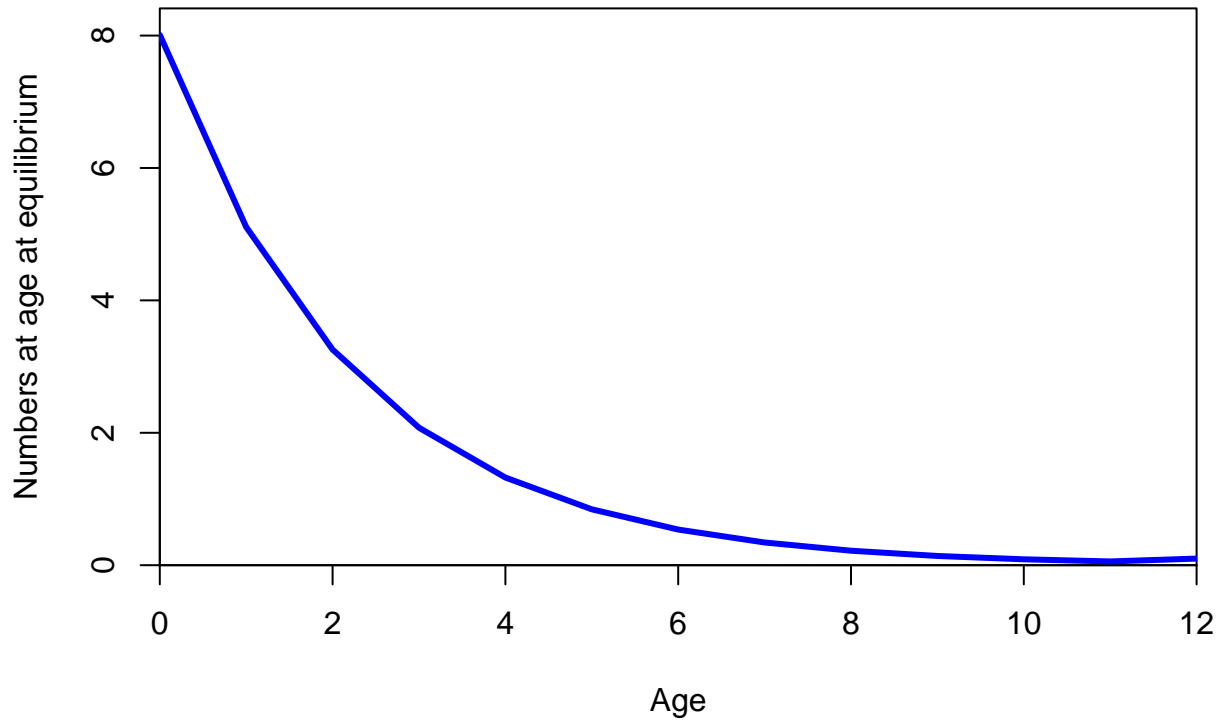


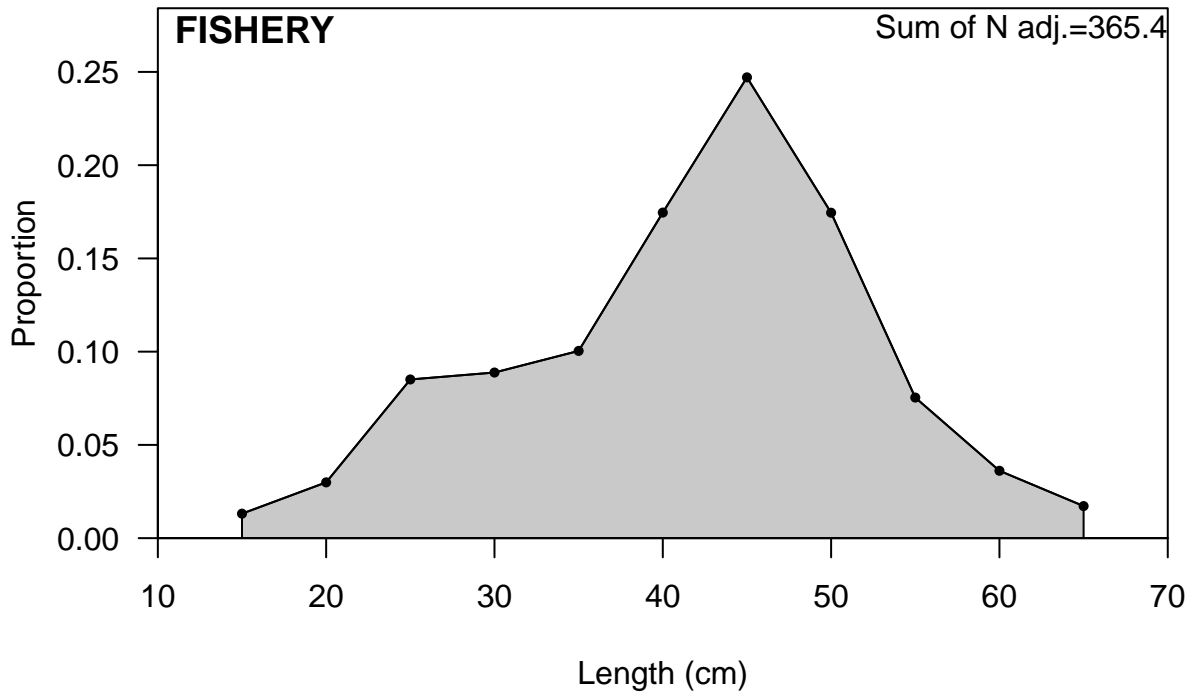
Length



Length

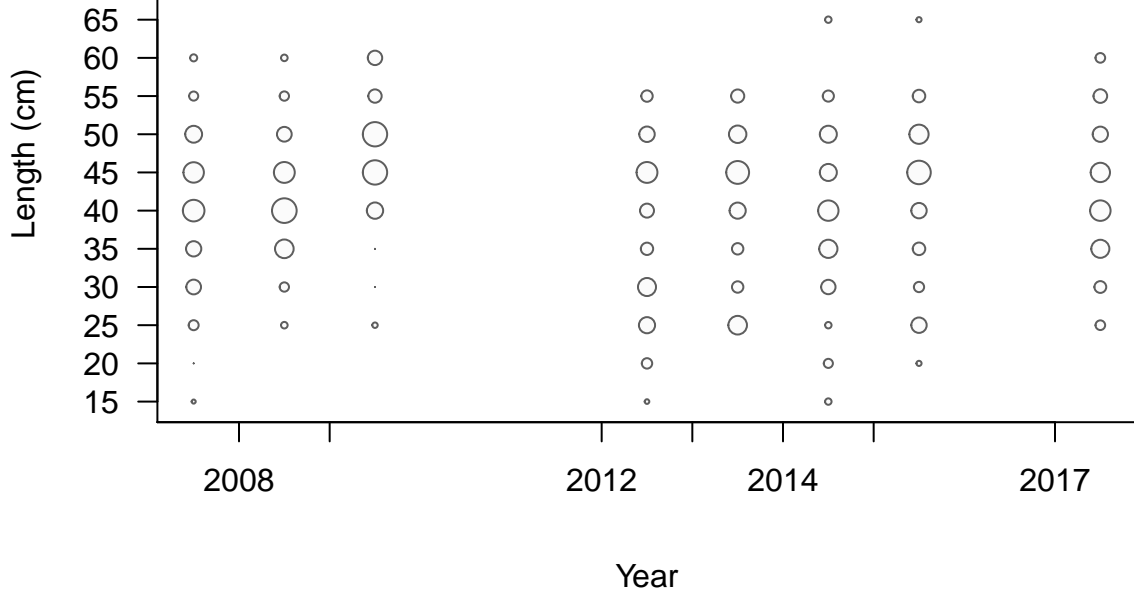




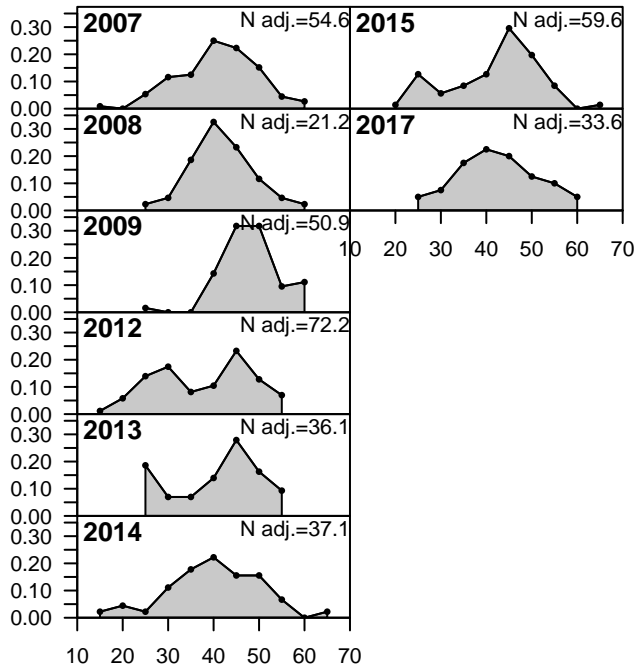


FISHERY

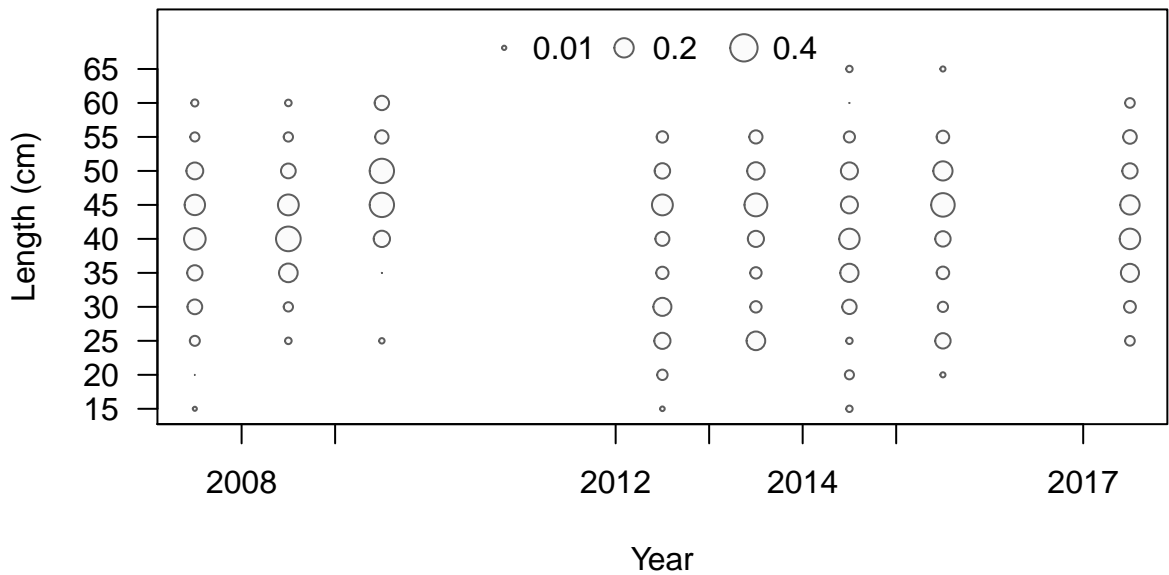
• 0.01 ○ 0.2 ○ 0.4



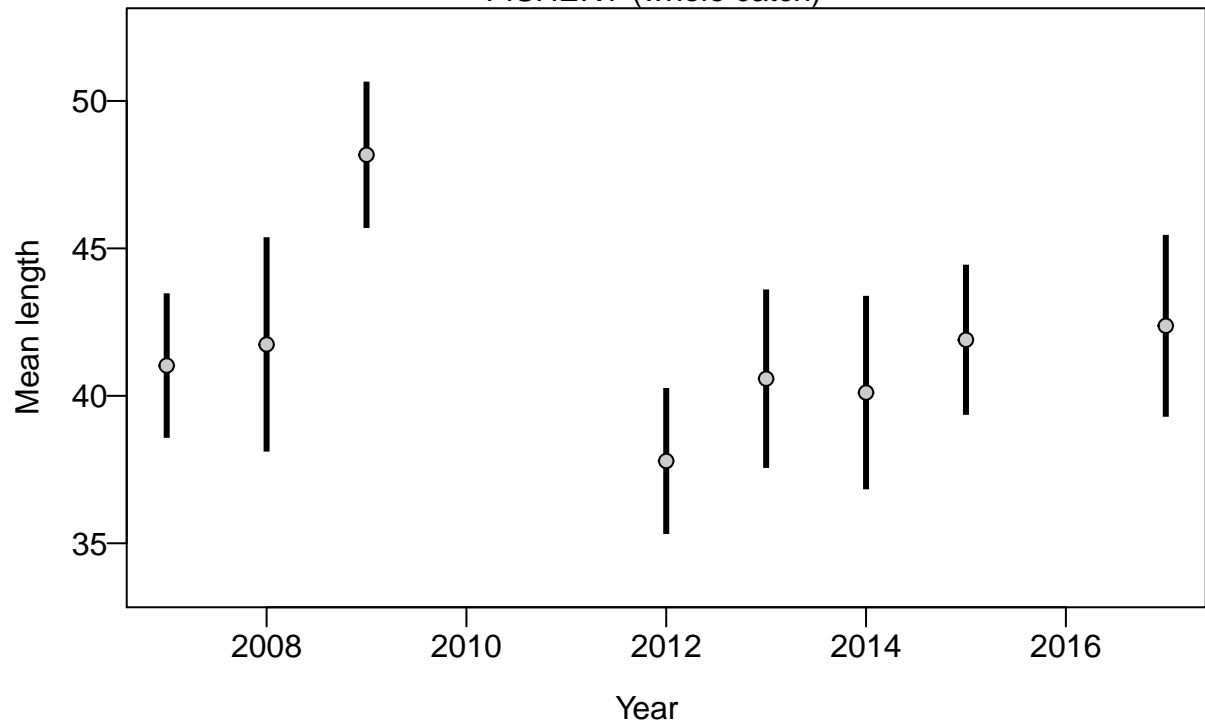
Proportion



Length (cm)

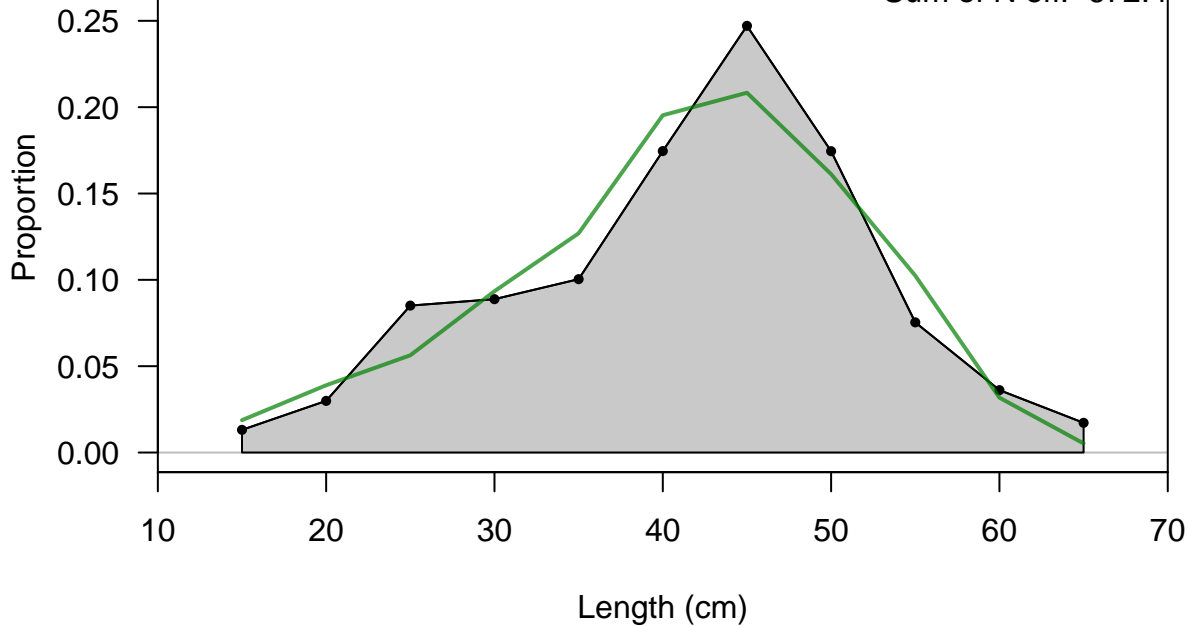


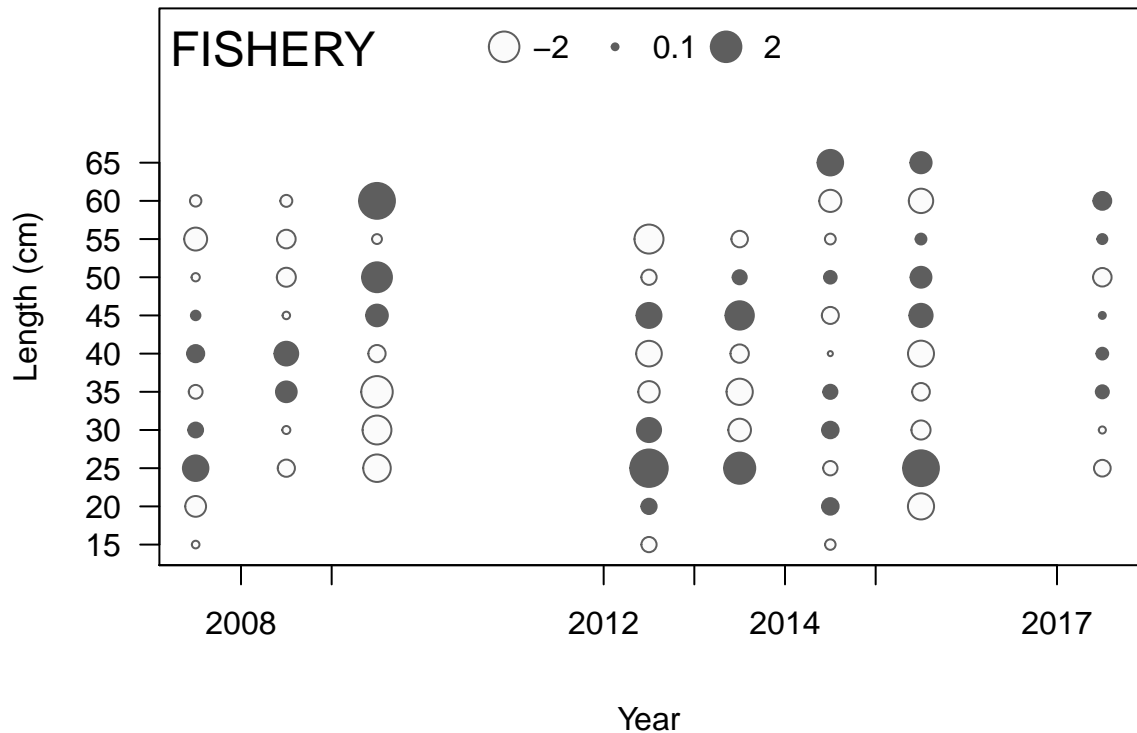
FISHERY (whole catch)



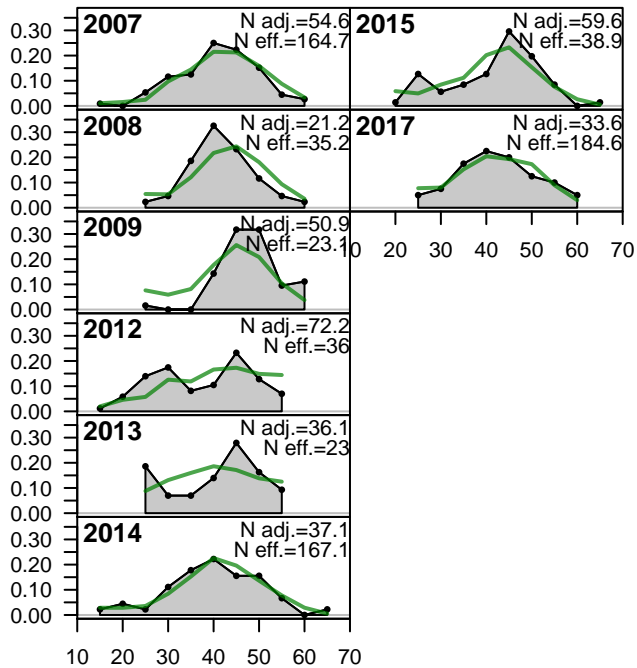
FISHERY

Sum of N adj.=365.4
Sum of N eff.=672.4

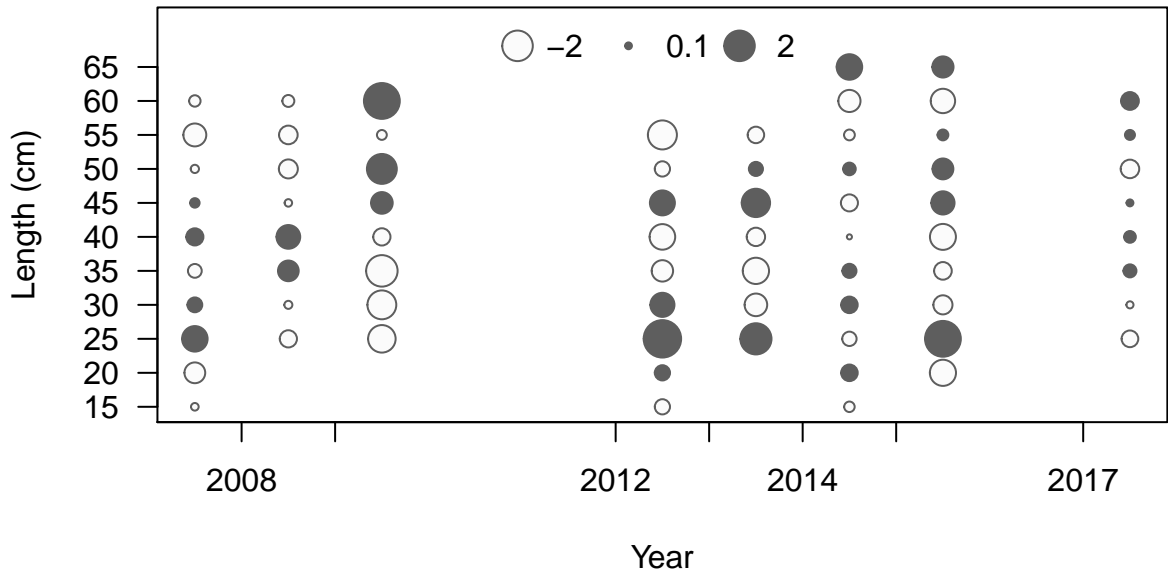


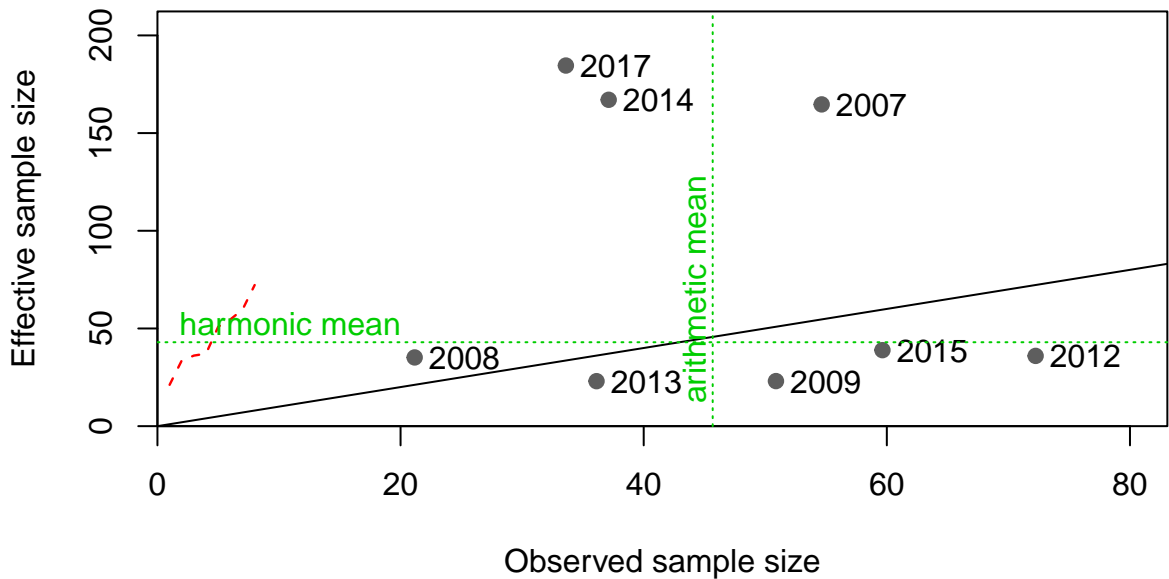


Proportion

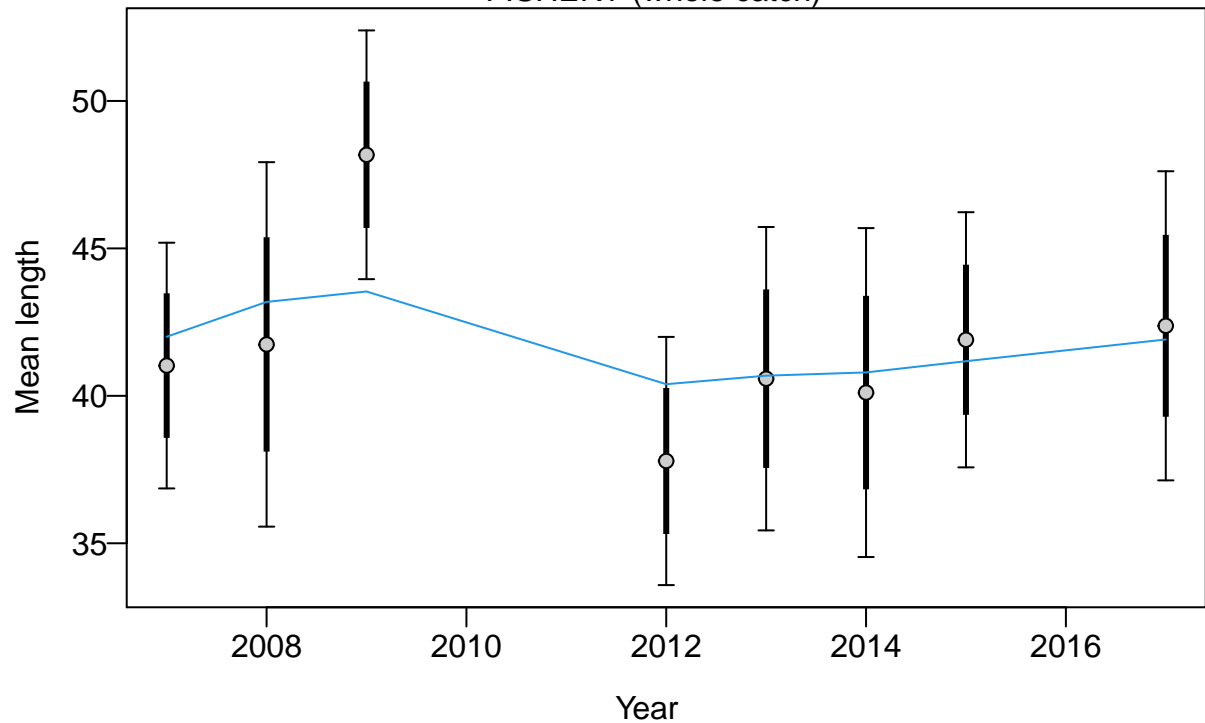


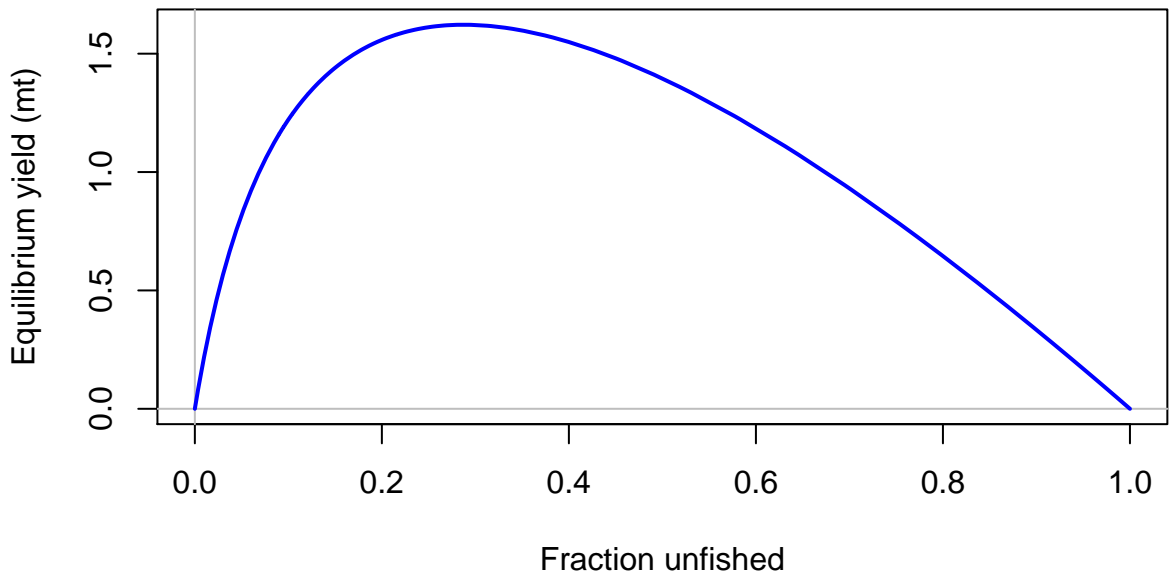
Length (cm)

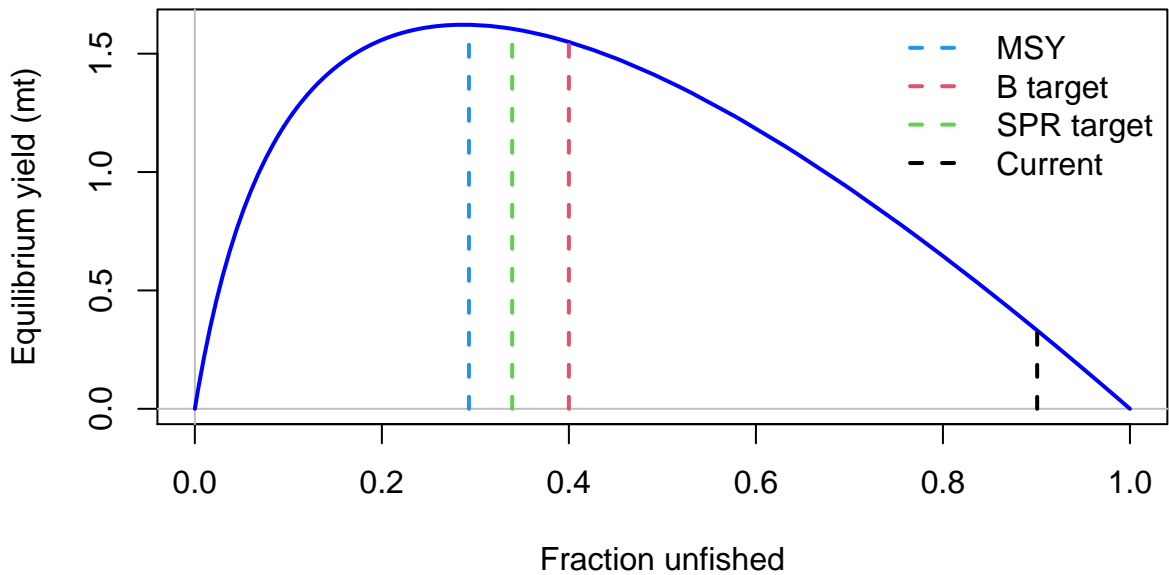


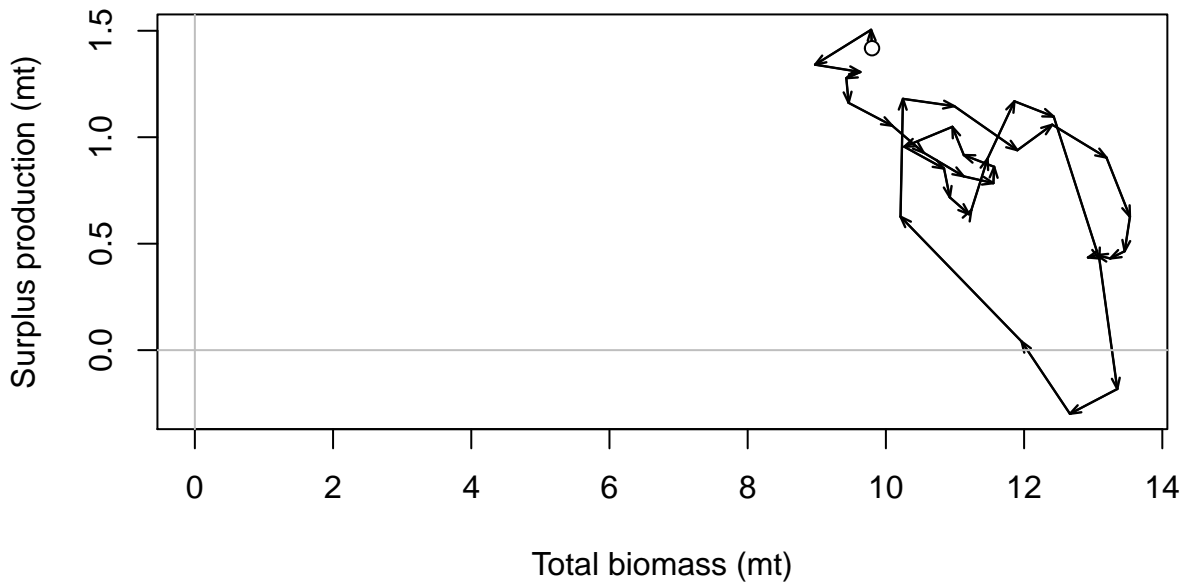


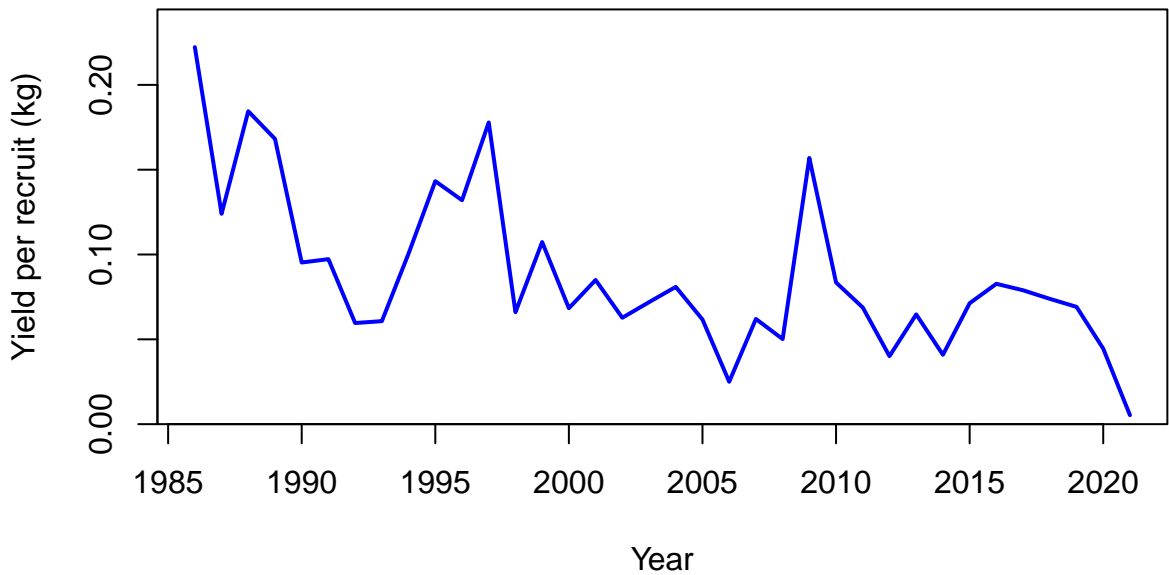
FISHERY (whole catch)

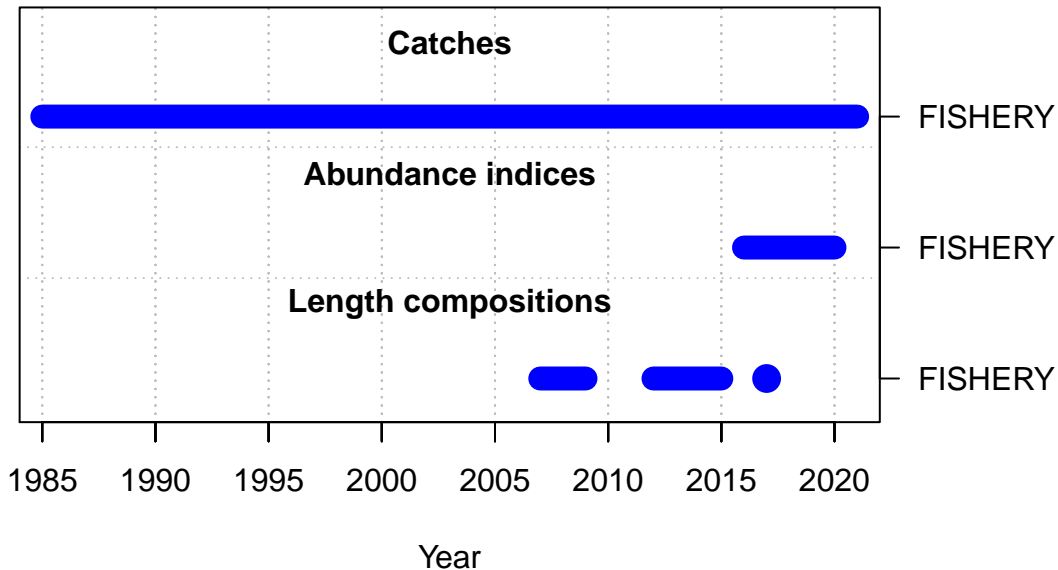


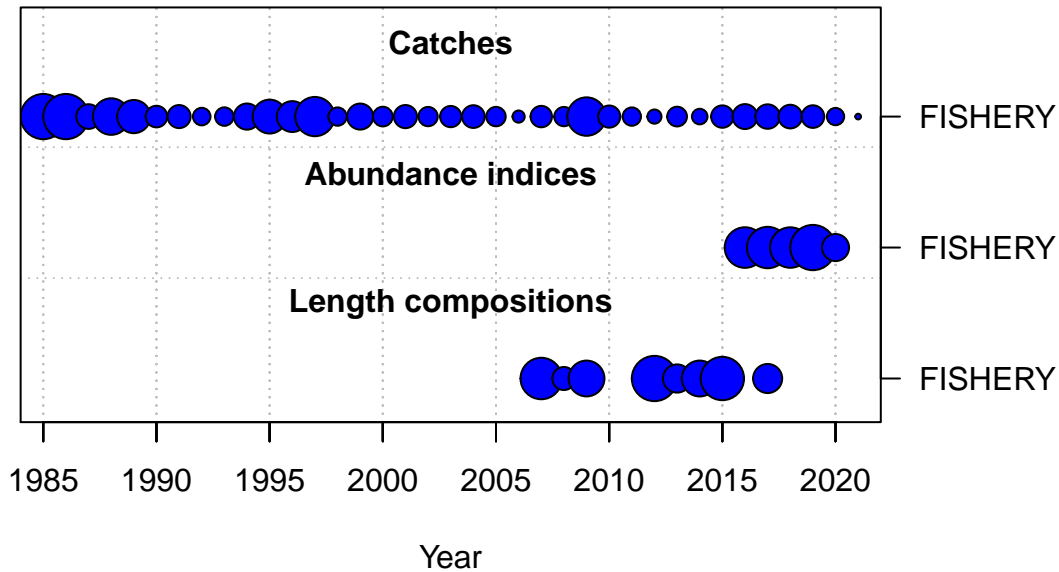




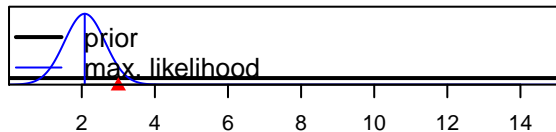




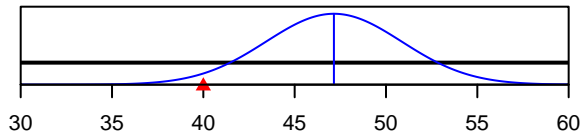




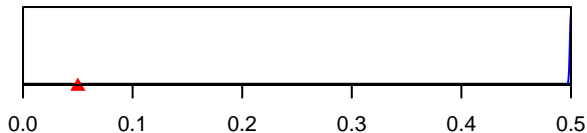
SR_LN(R0)



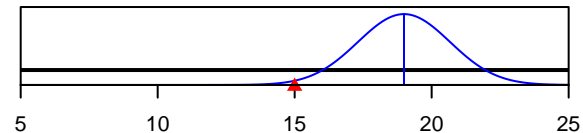
Size_inflection_FISHERY(1)



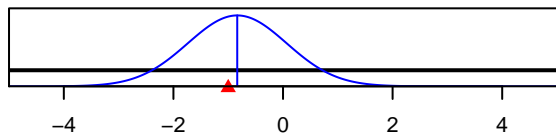
InitF_seas_1_flt_1FISHERY



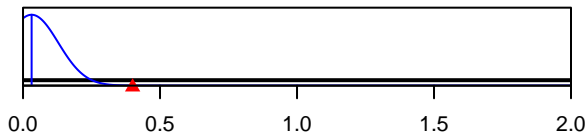
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



Q_extraSD_FISHERY(1)



Parameter value