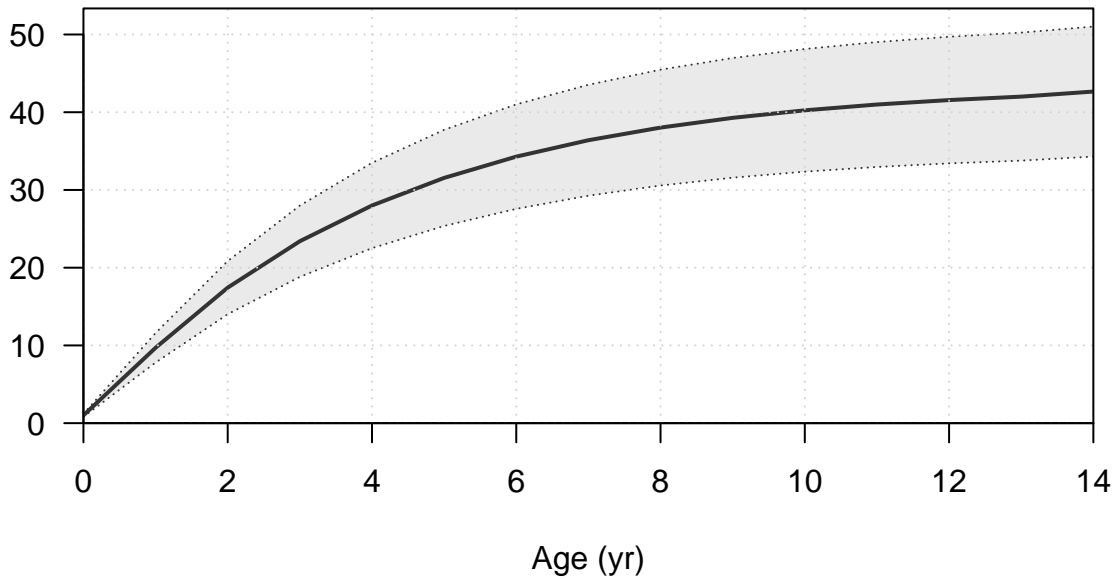
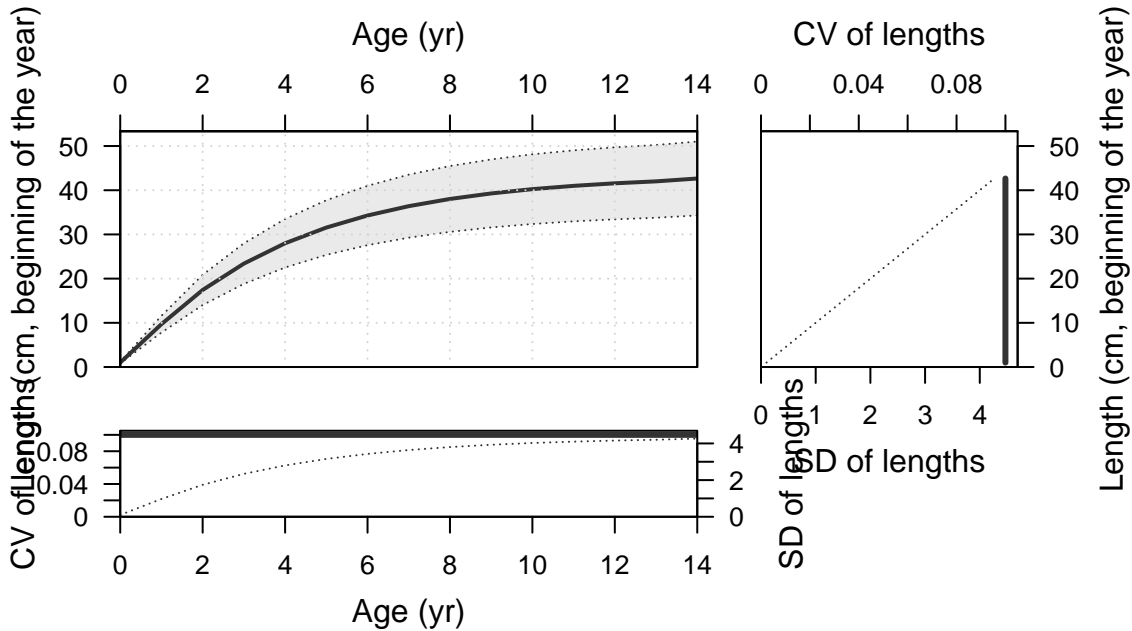
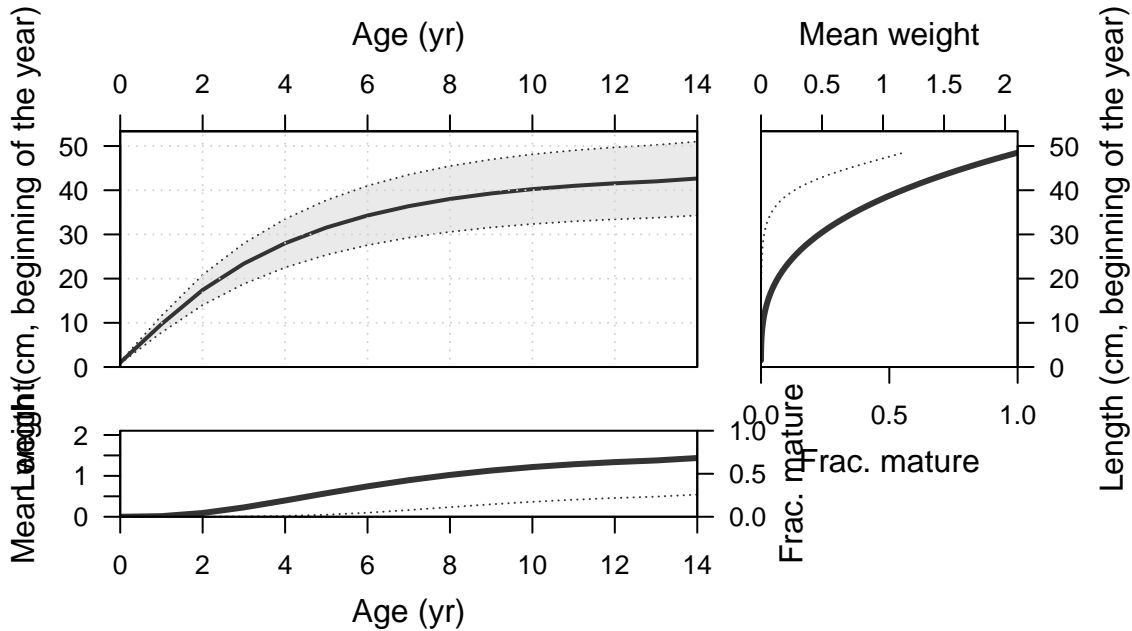


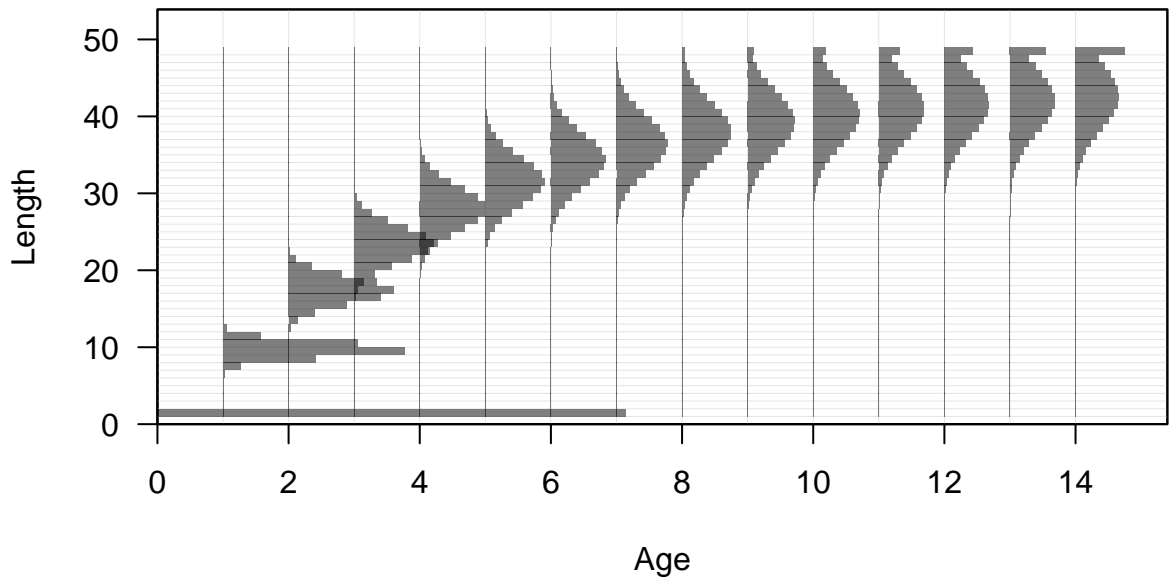
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Wed Jul 13 11:35:18 2022
Data_File: data.ss
Control_File: control.ss

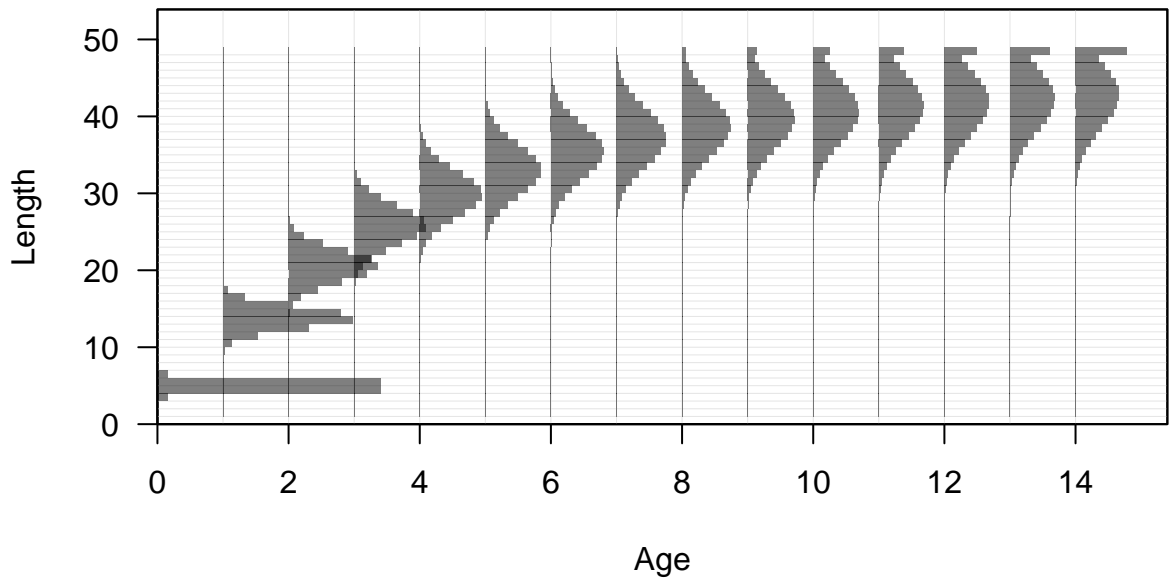
Length (cm, beginning of the year)

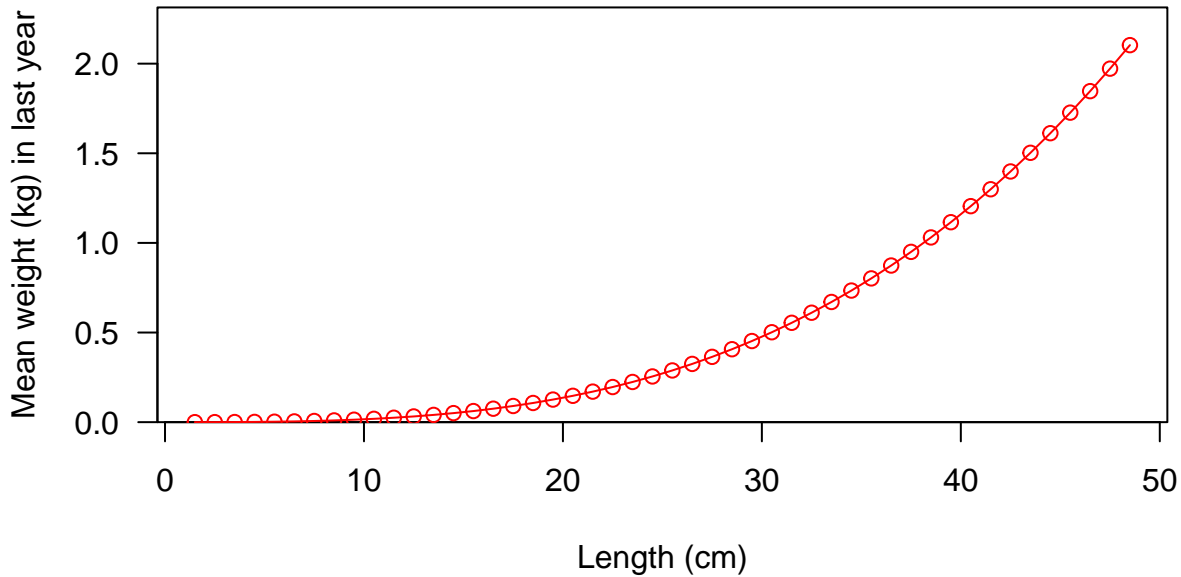


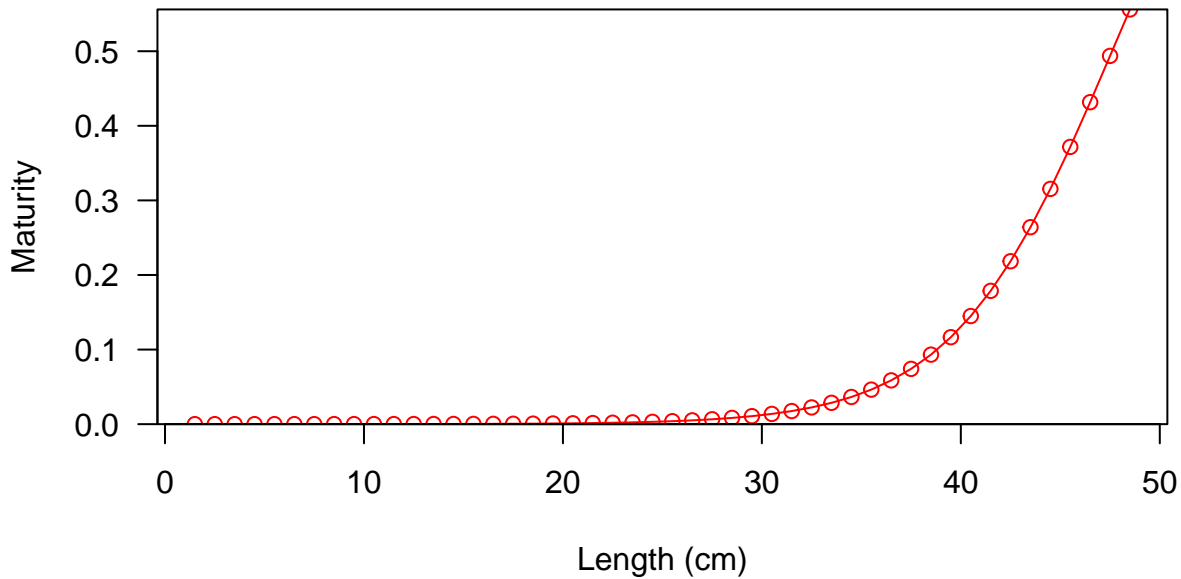


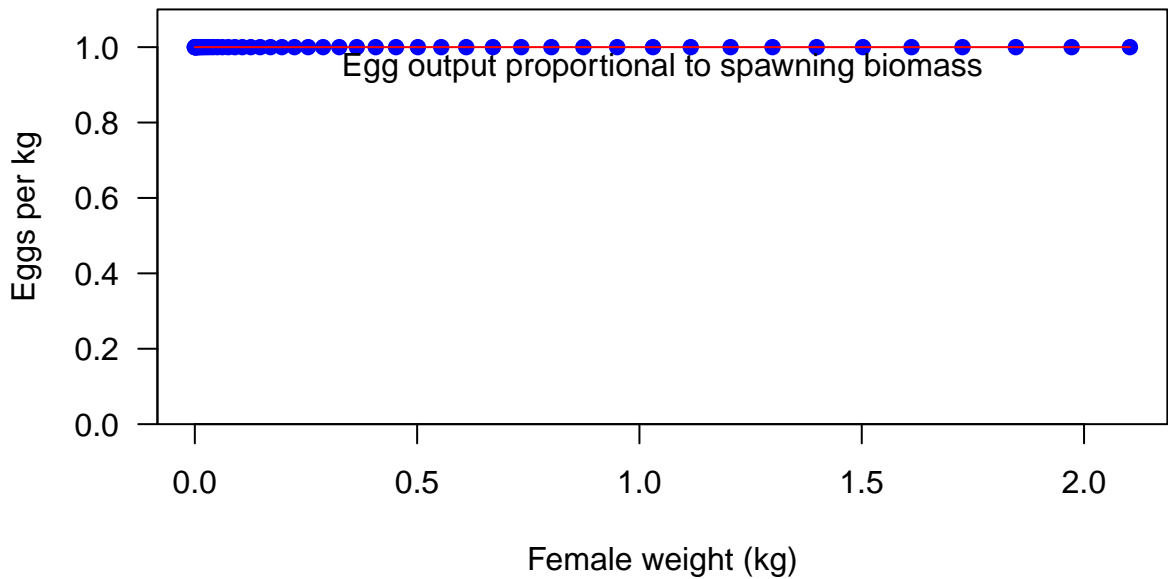


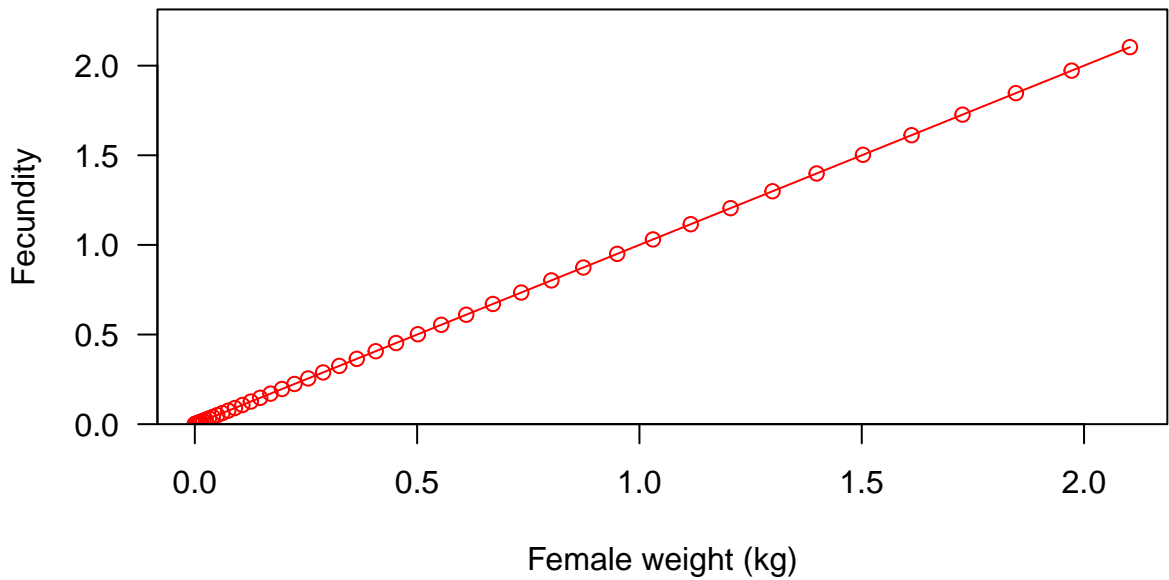


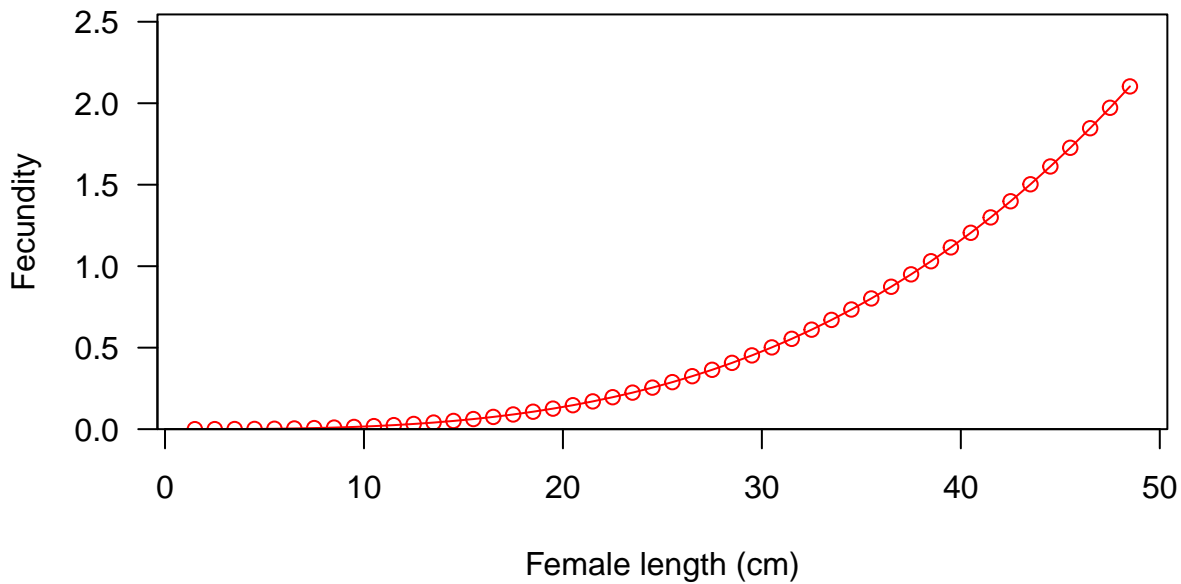


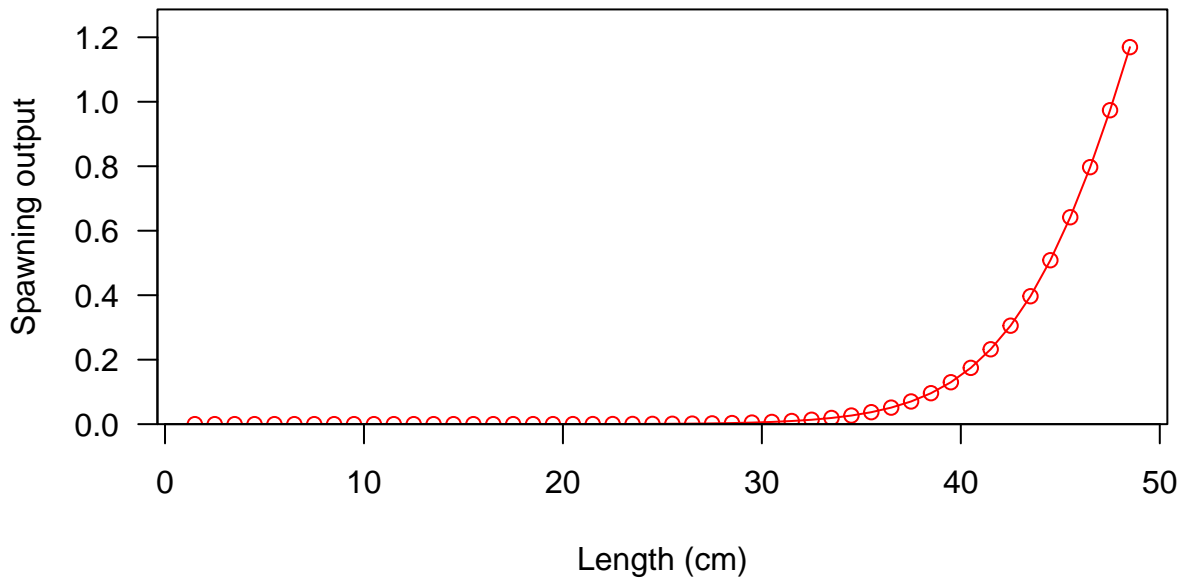


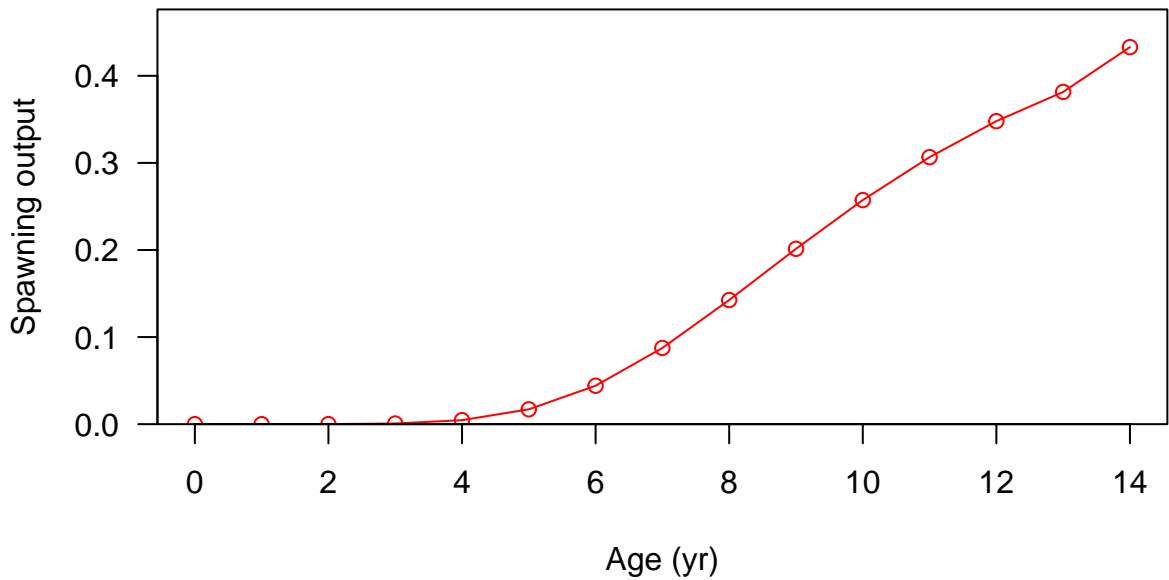




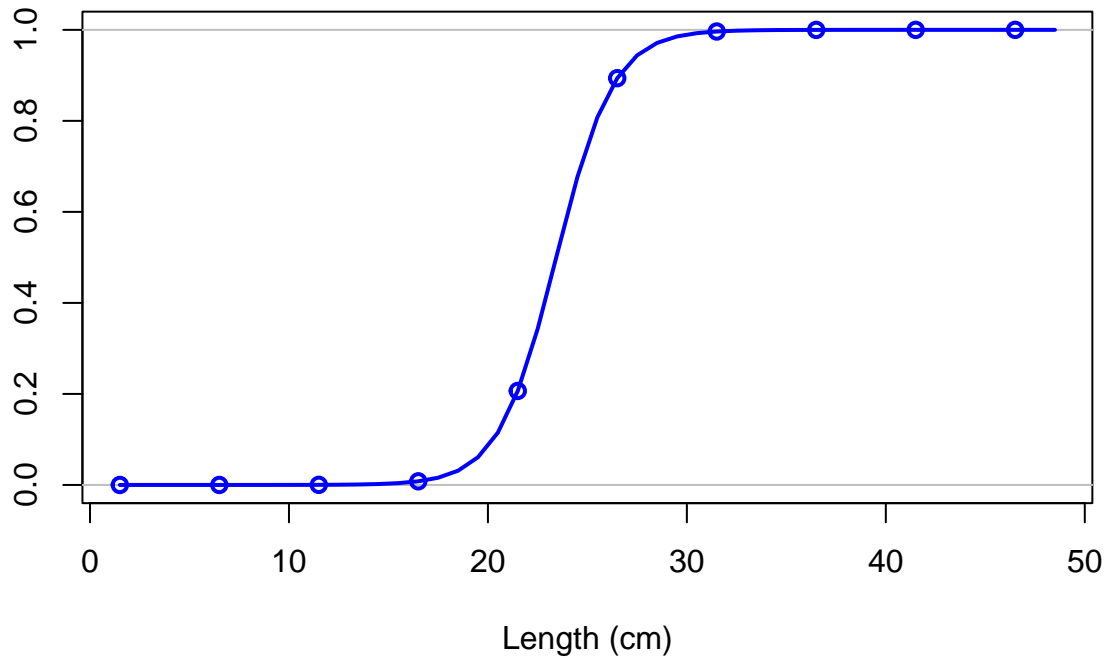




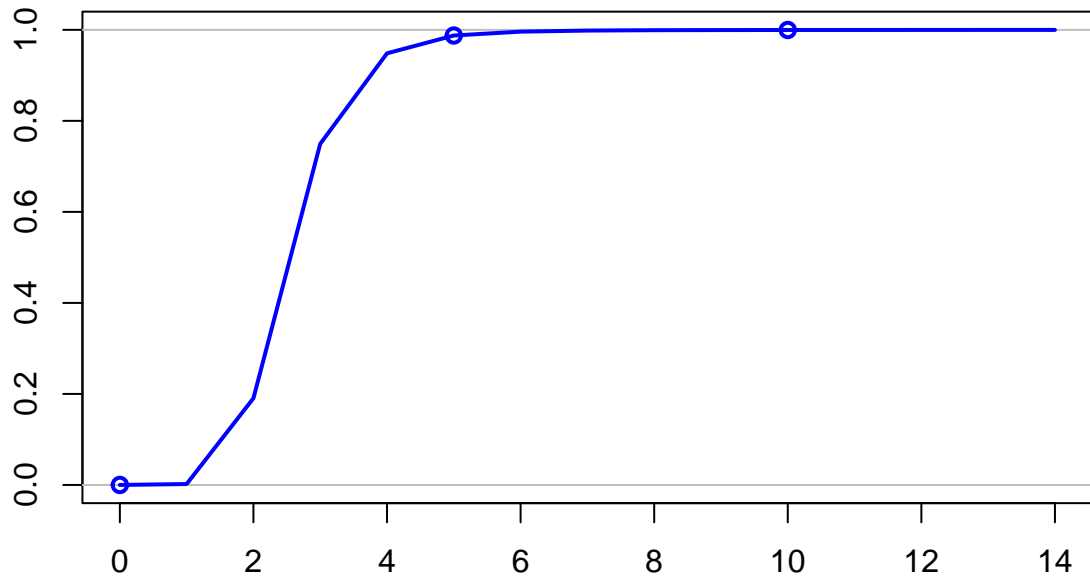




Selectivity

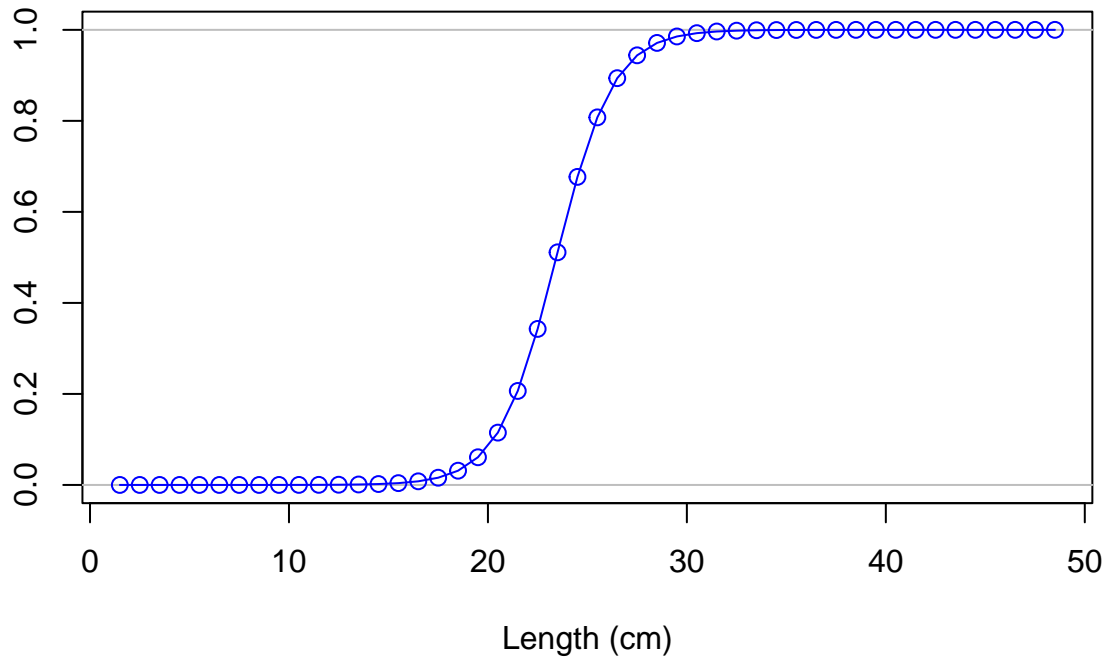


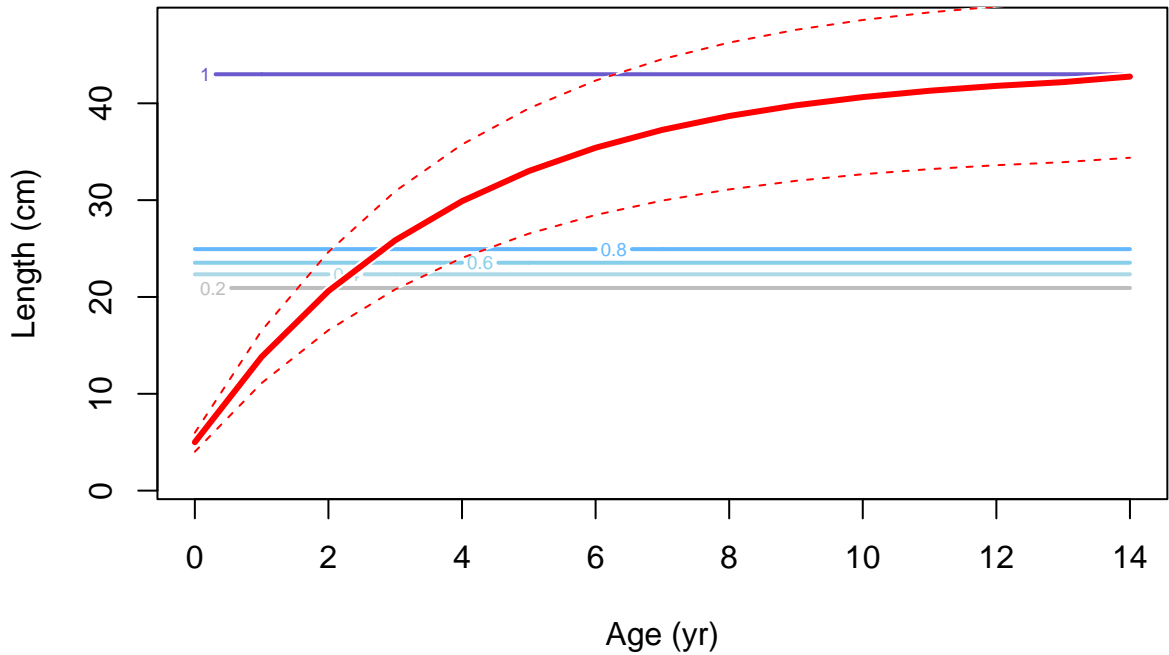
Selectivity

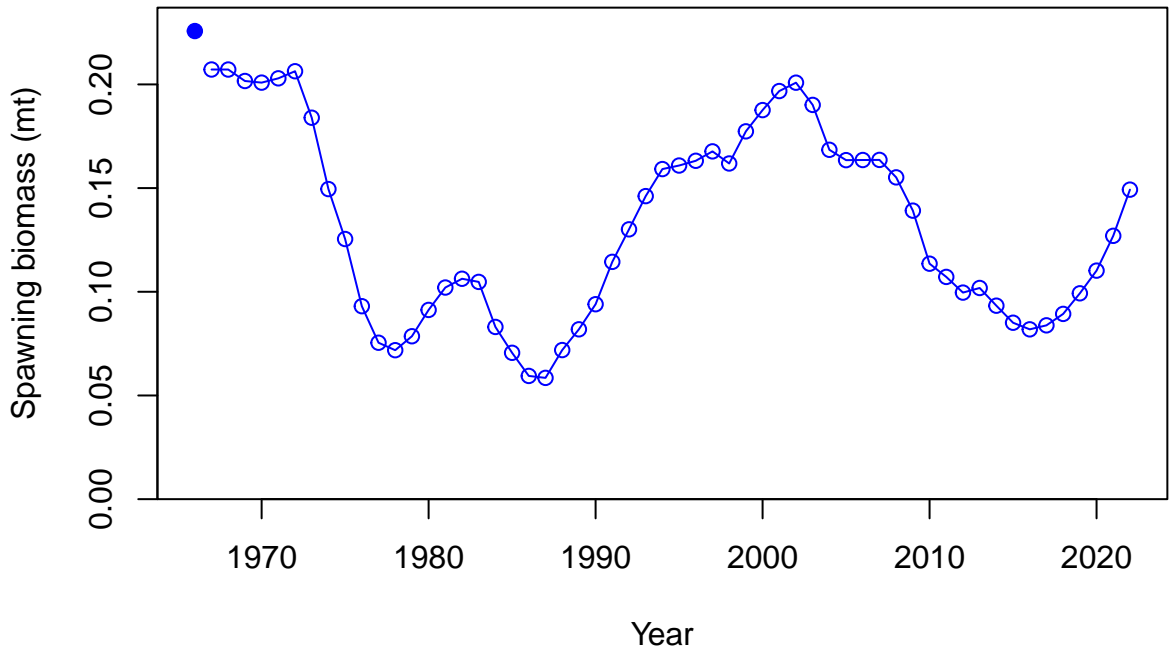


Age (yr)

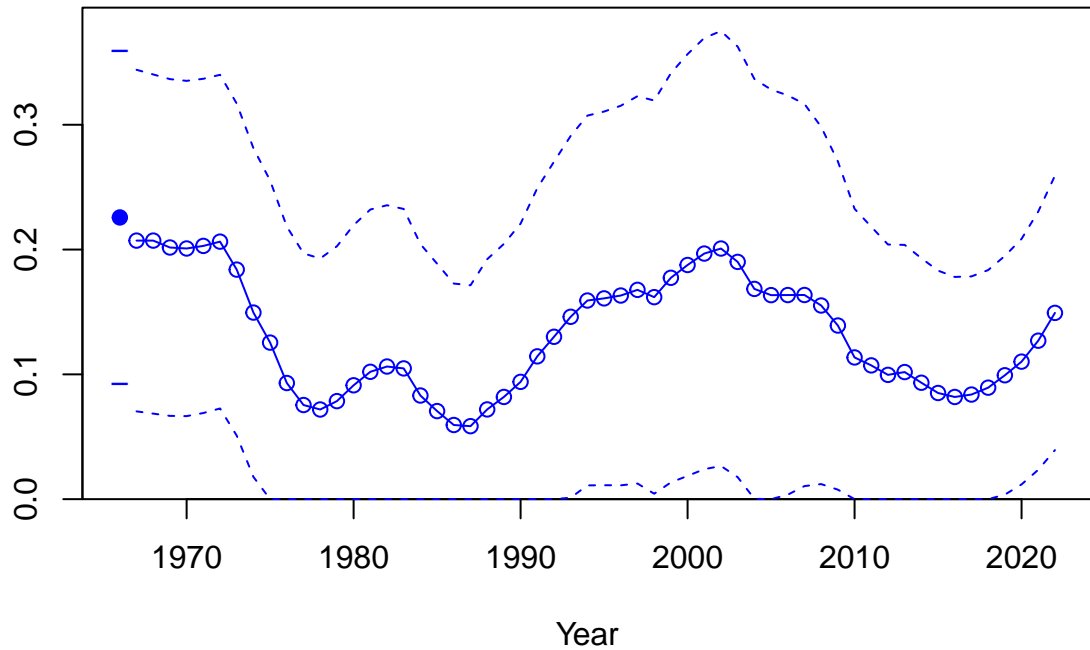
Selectivity



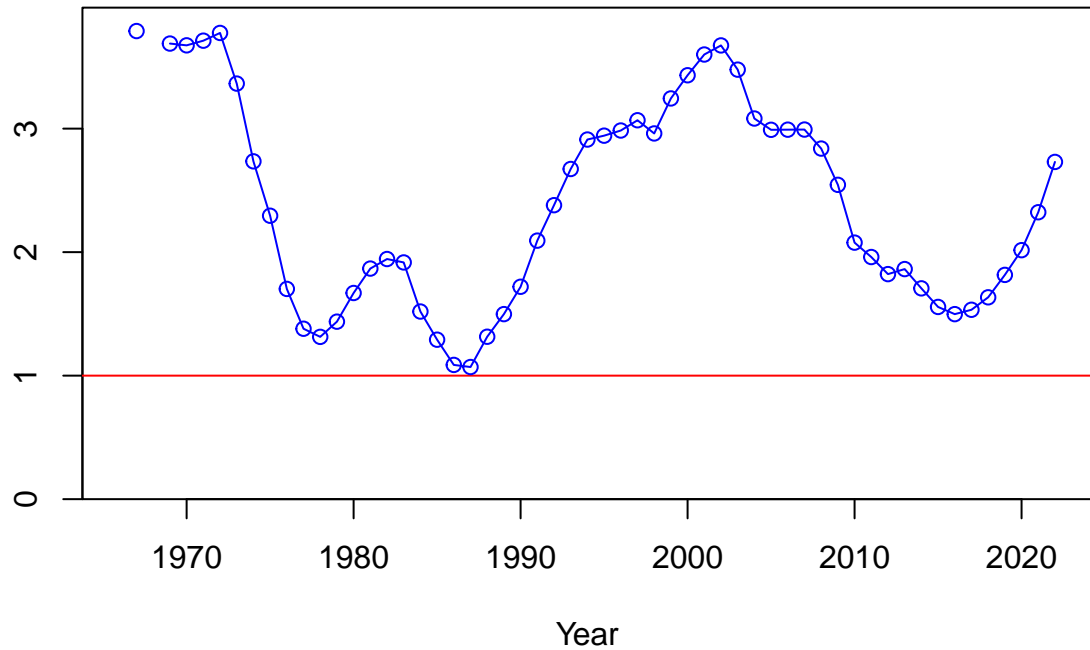




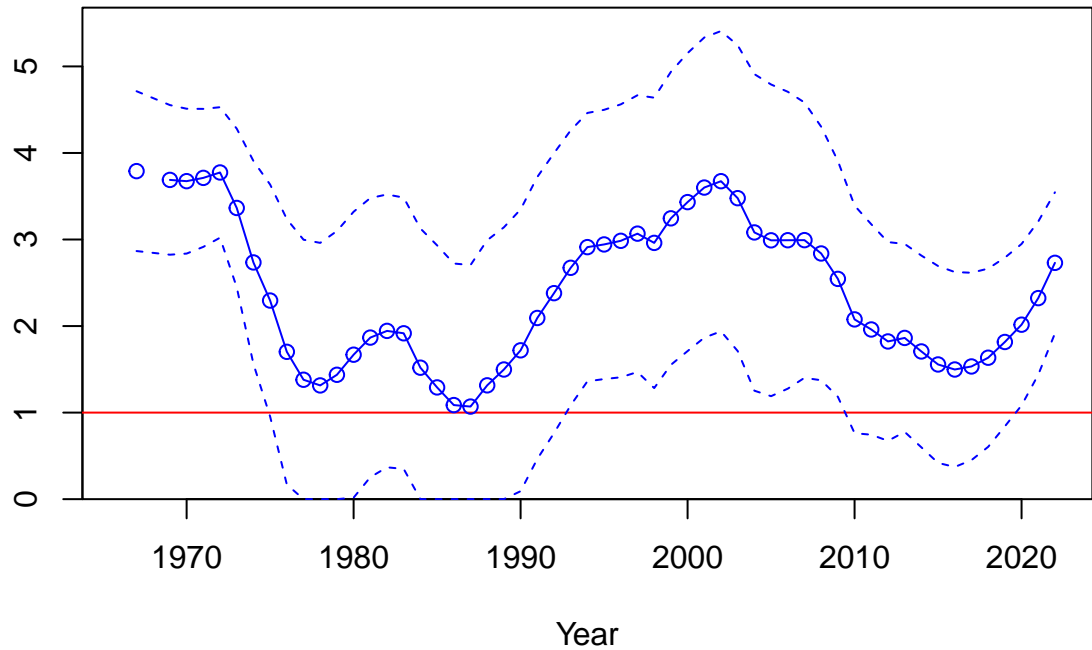
Spawning biomass (mt)

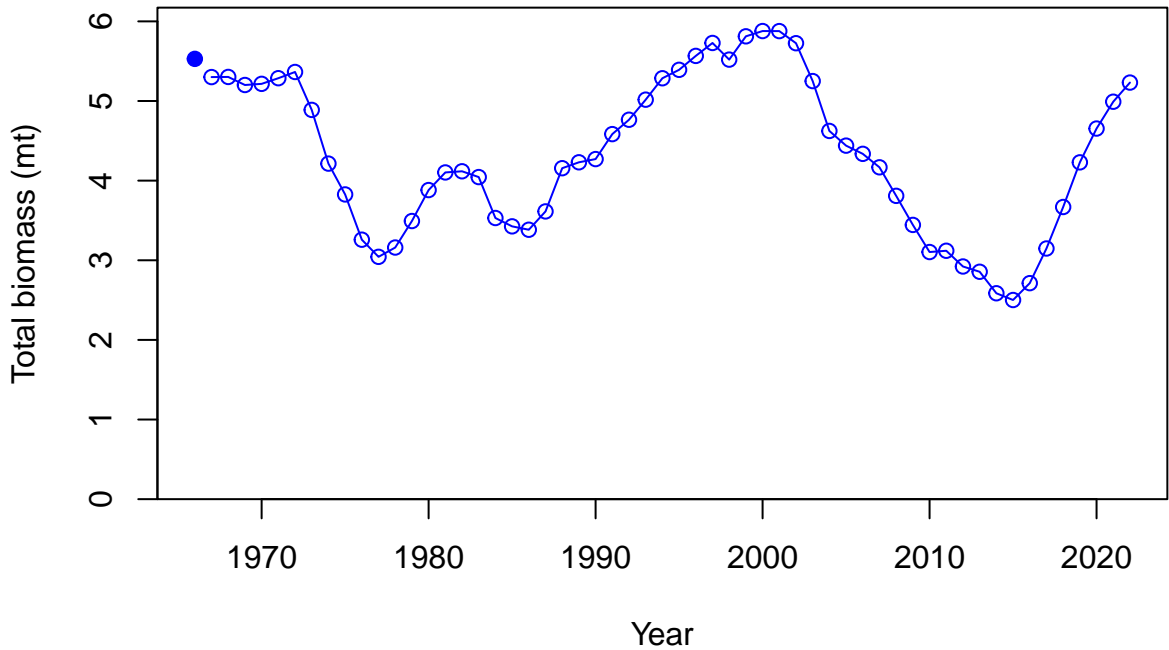


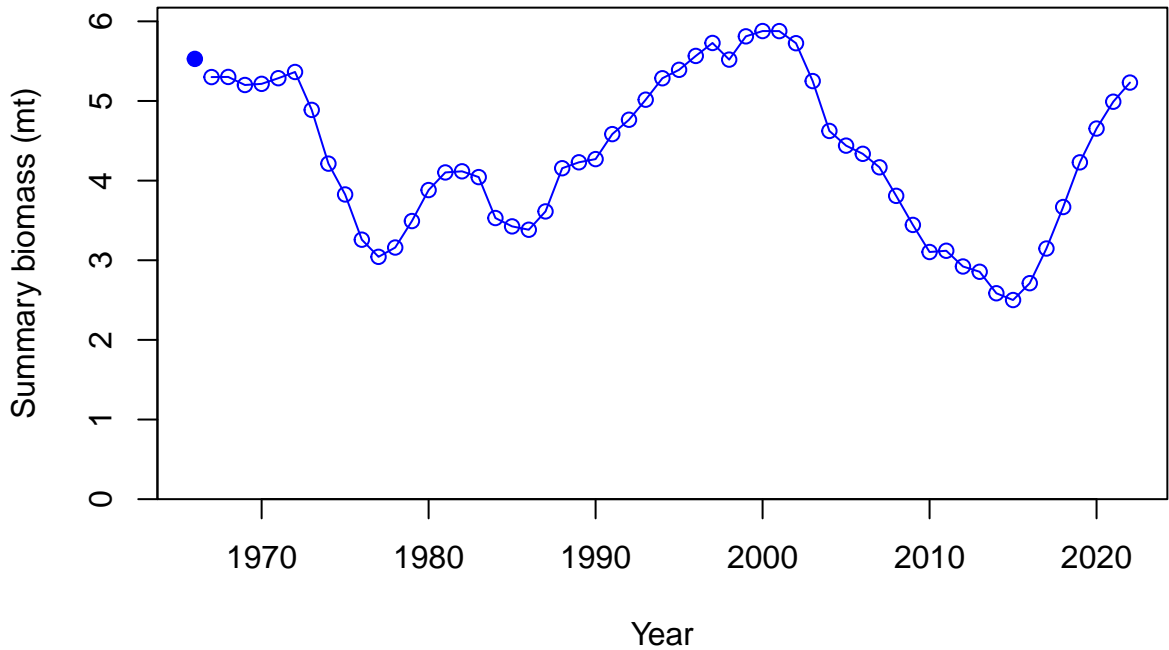
Relative spawning biomass: B/B_{MSY}



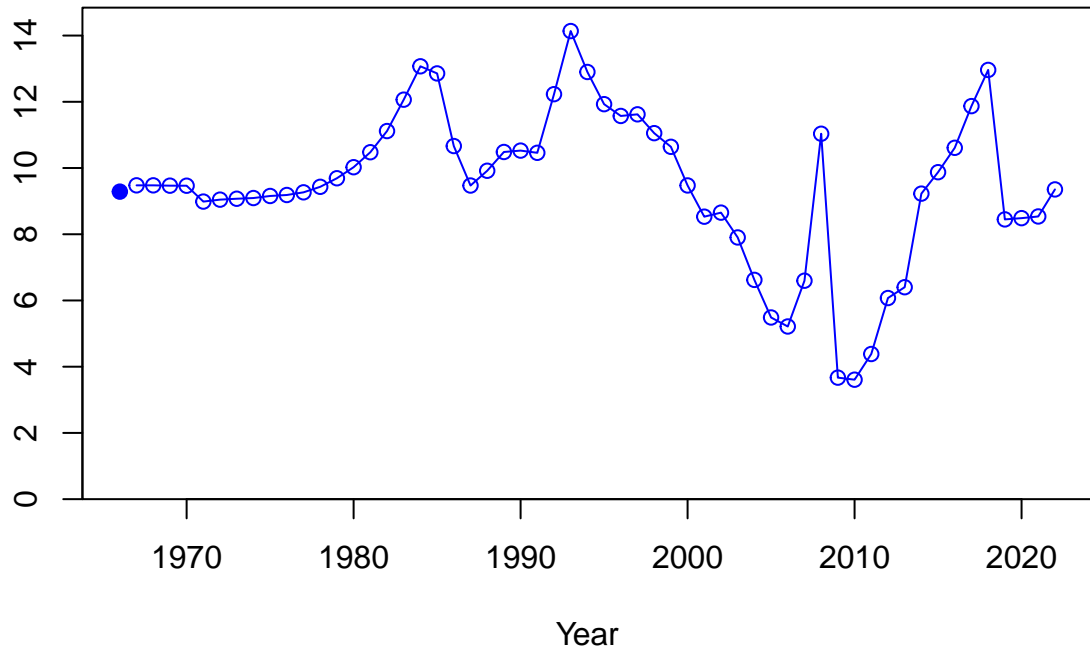
Relative spawning biomass: B/B_{MSY}



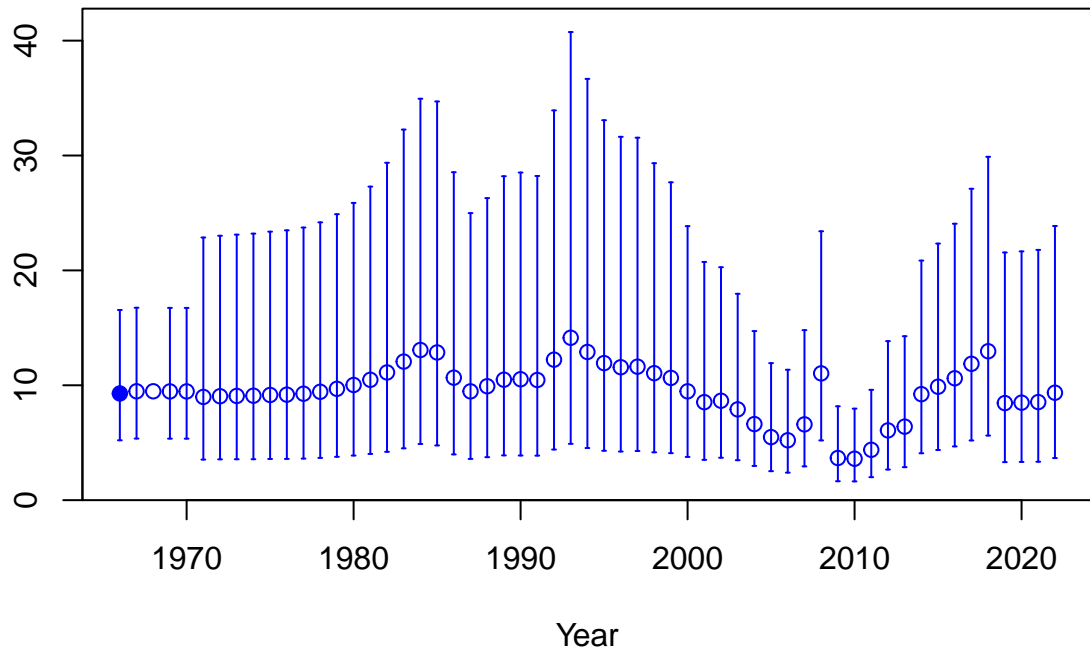




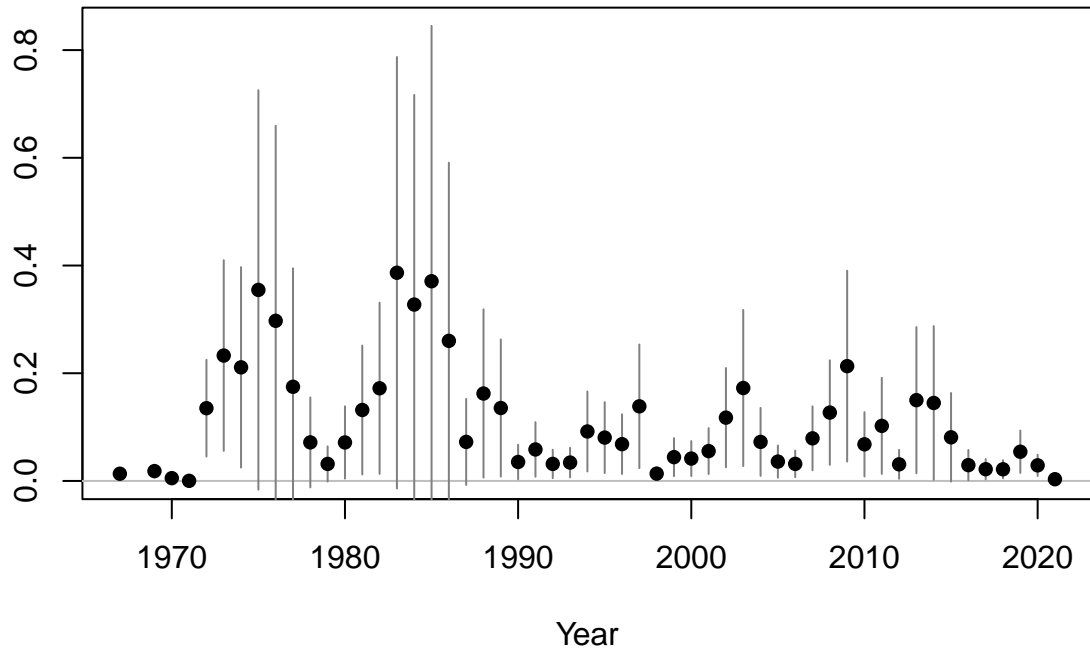
Age-0 recruits (1,000s)

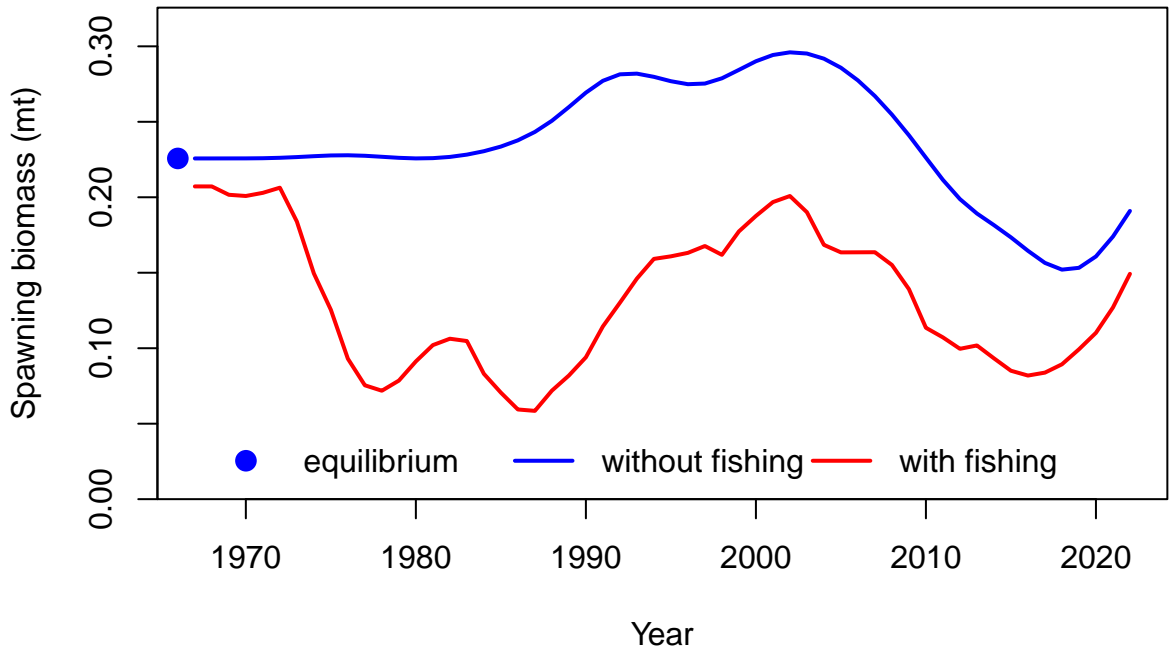


Age-0 recruits (1,000s)

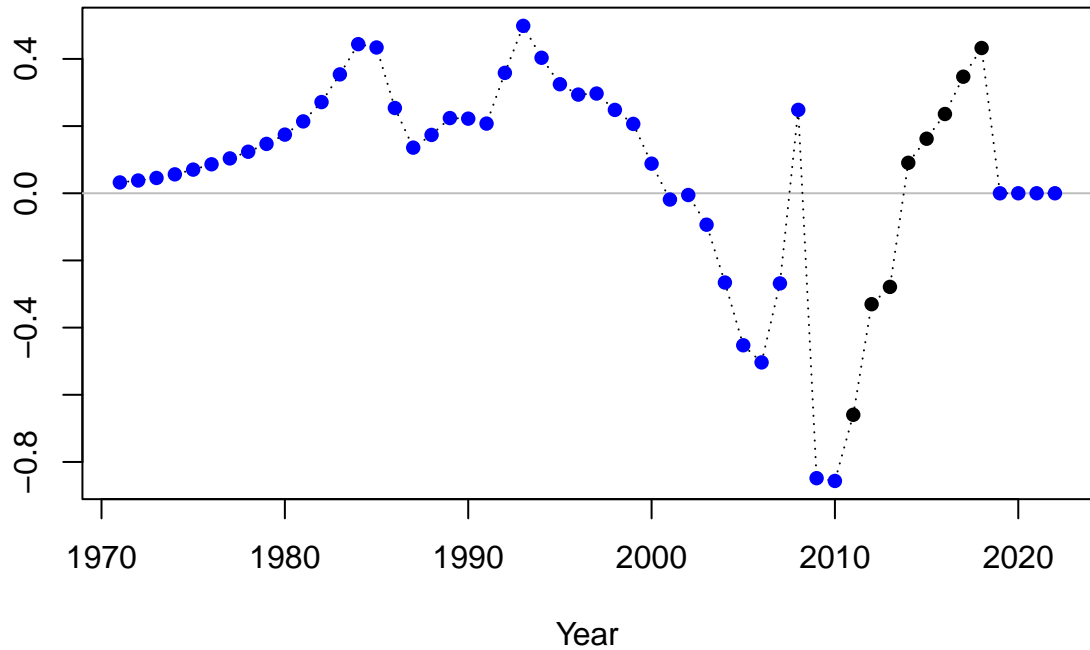


Summary Fishing Mortality

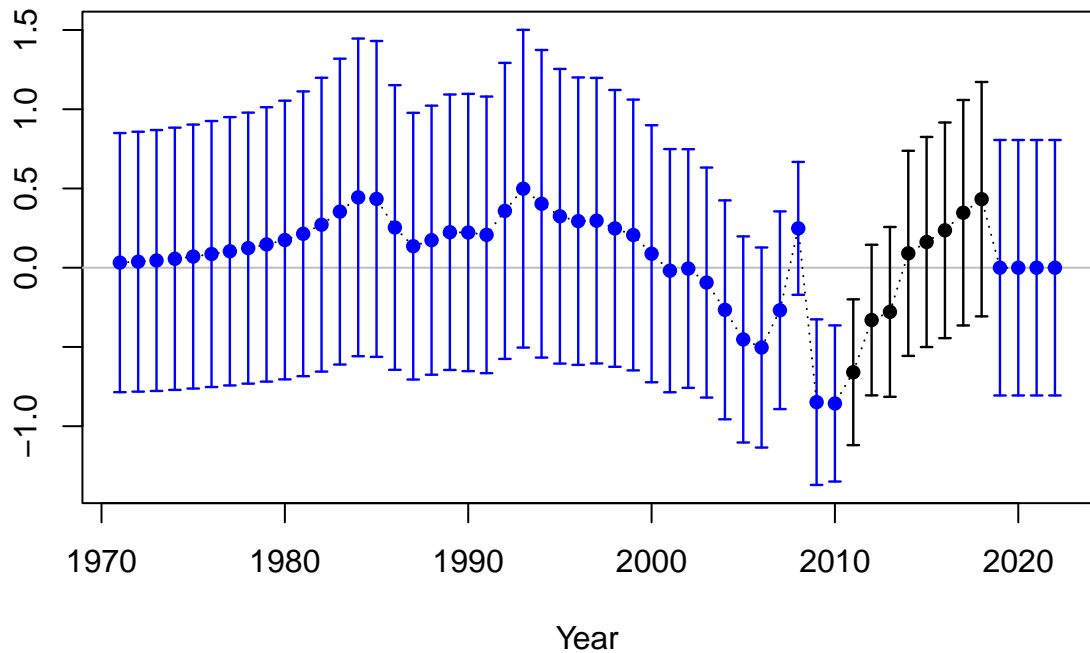




Log recruitment deviation

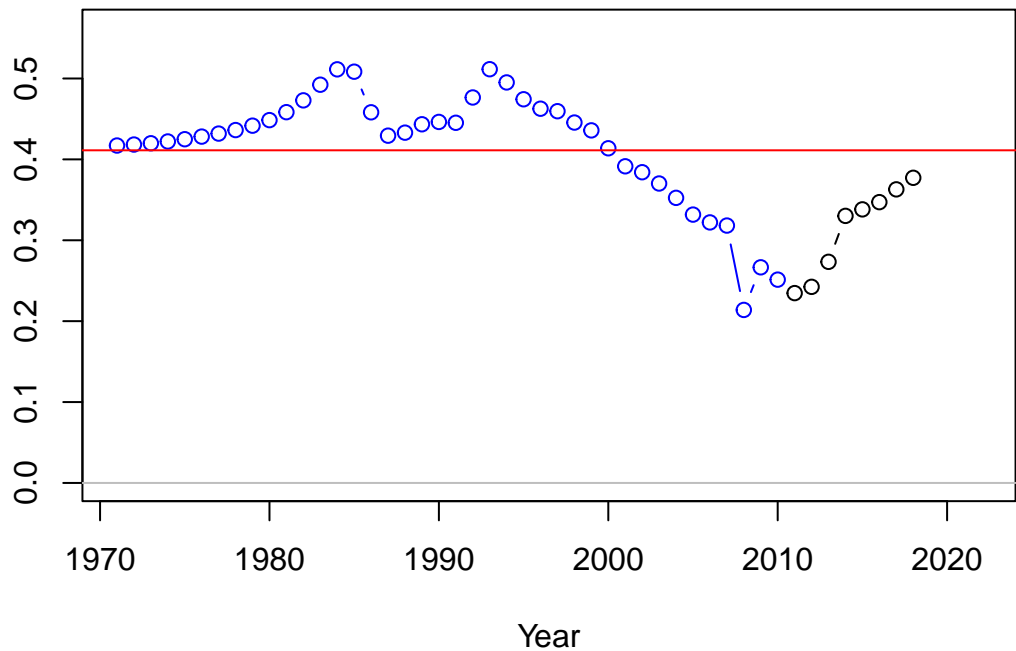


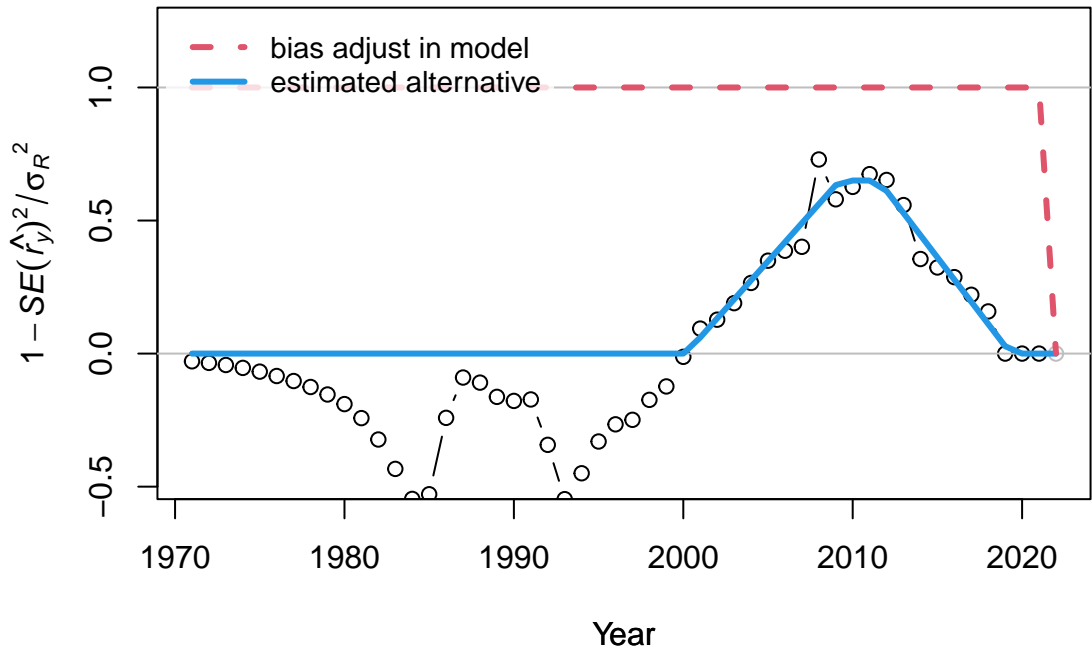
Log recruitment deviation

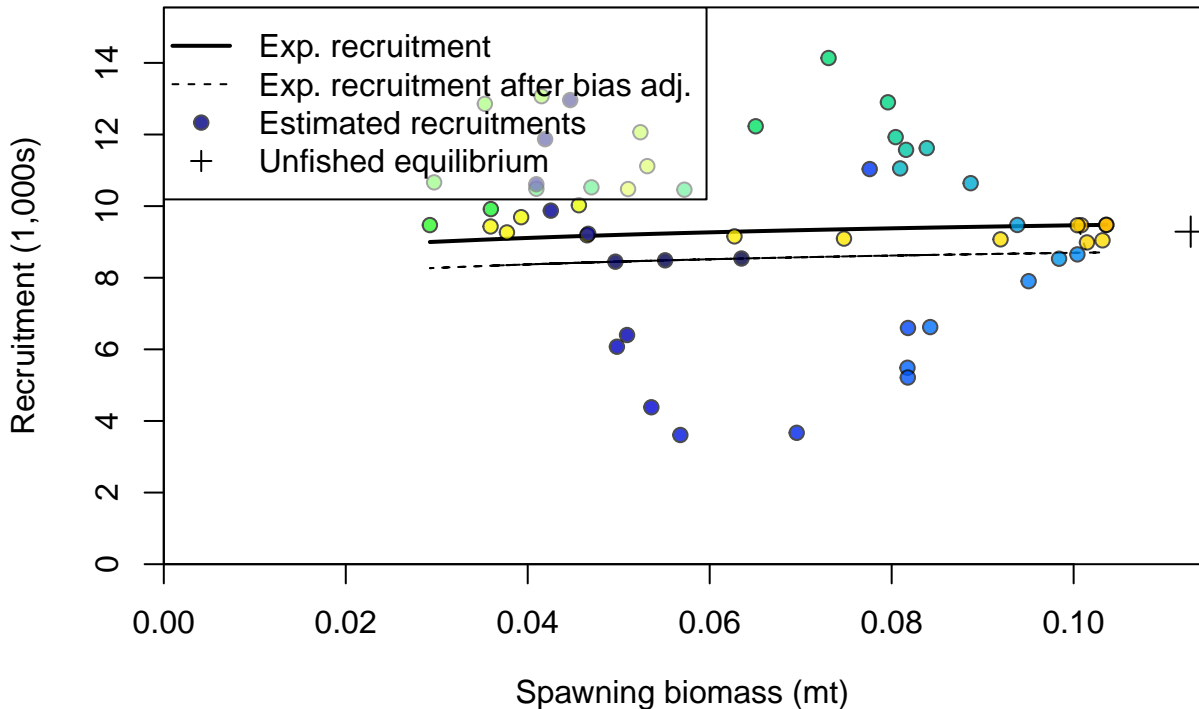


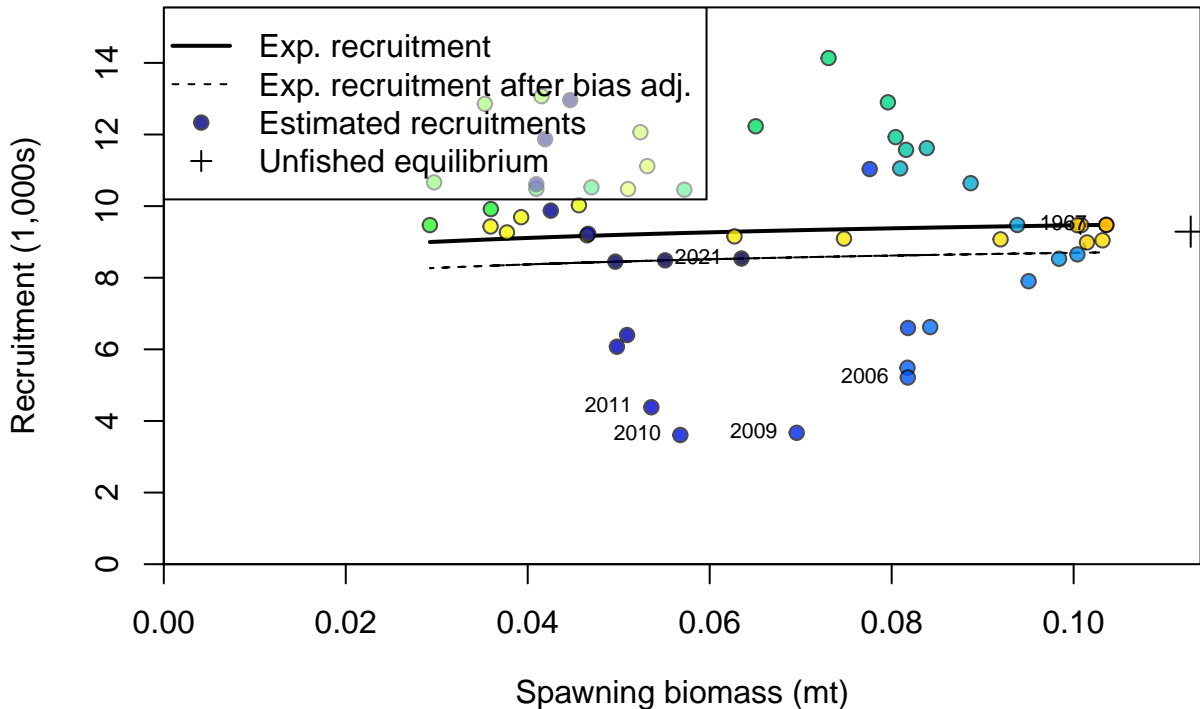
Recruitment deviation variance

Asymptotic standard error estimate









Log recruitment deviation

0.5
0.0
-0.5

0.0

0.2

0.4

0.6

0.8

Spawning output (relative to B_0)

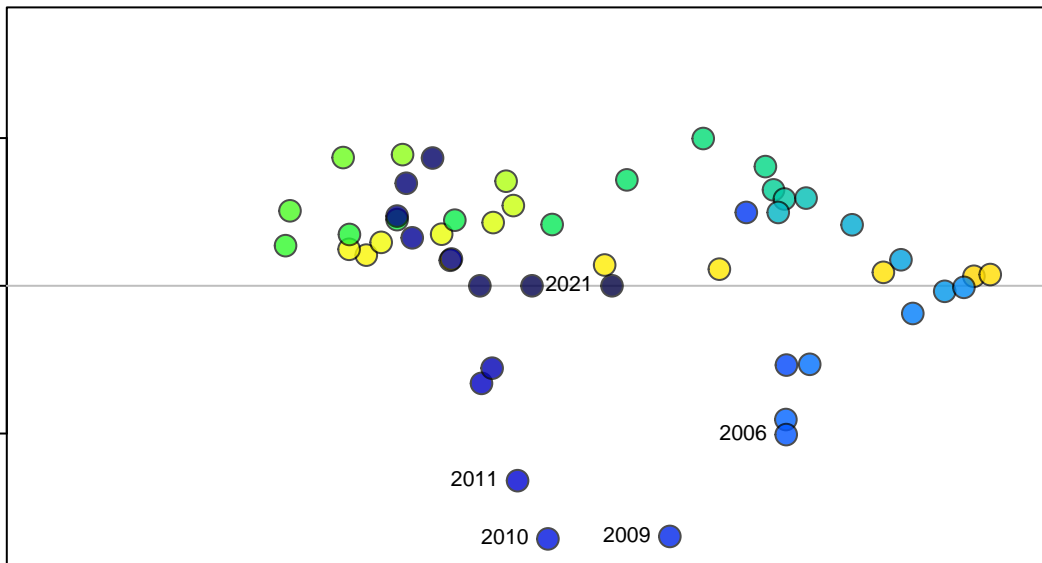
2021

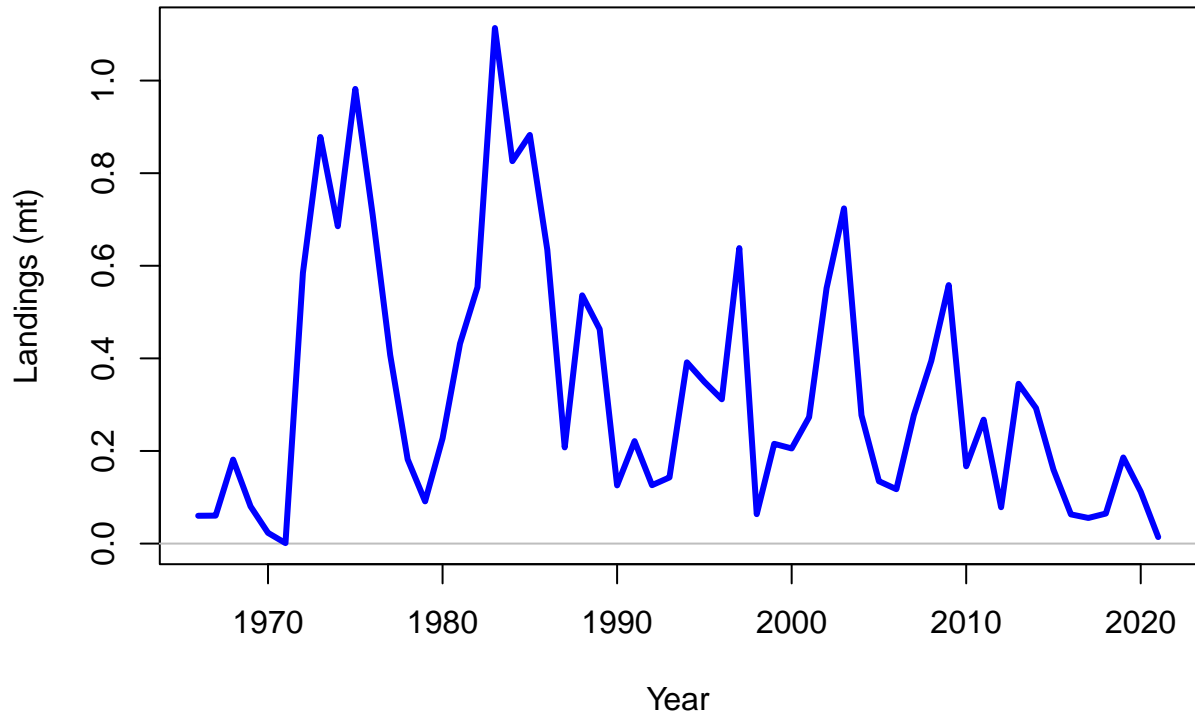
2011

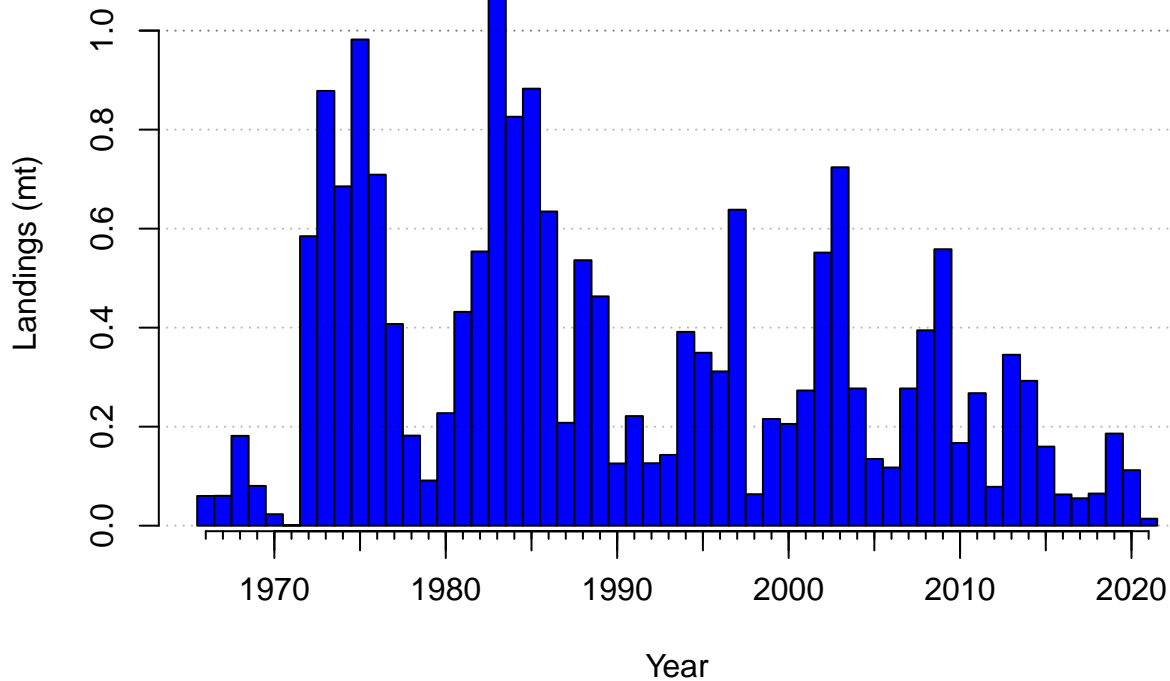
2010

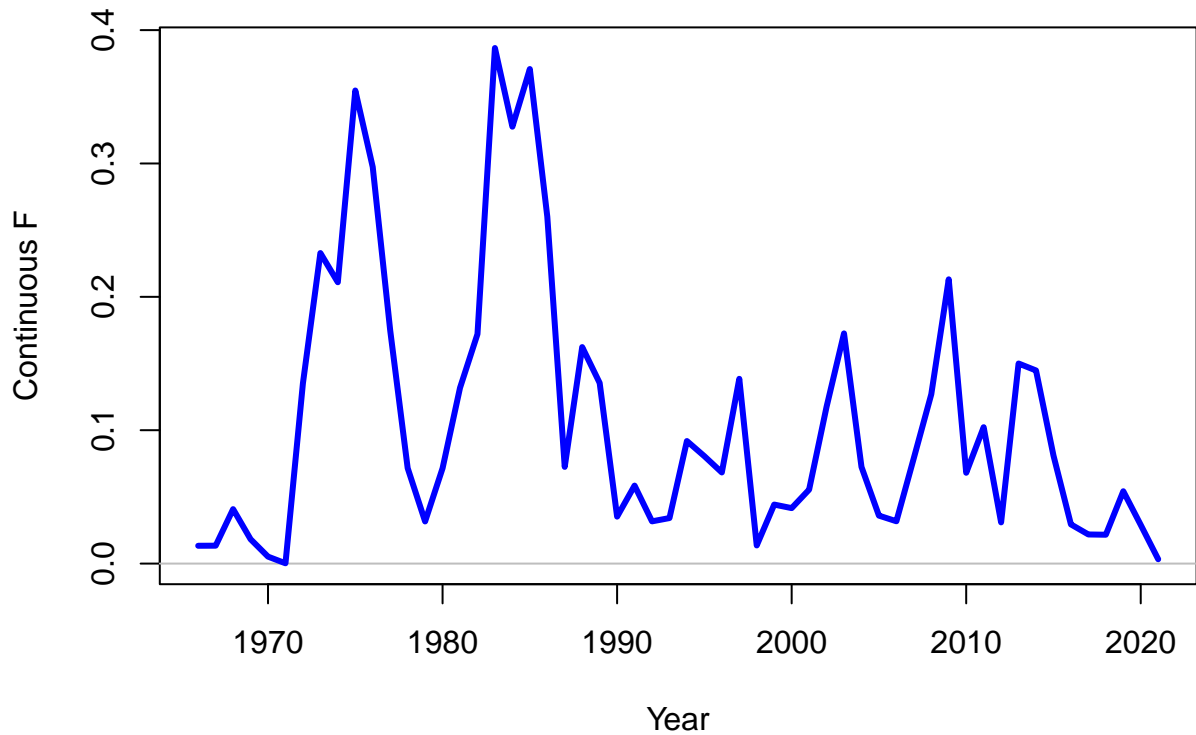
2009

2006

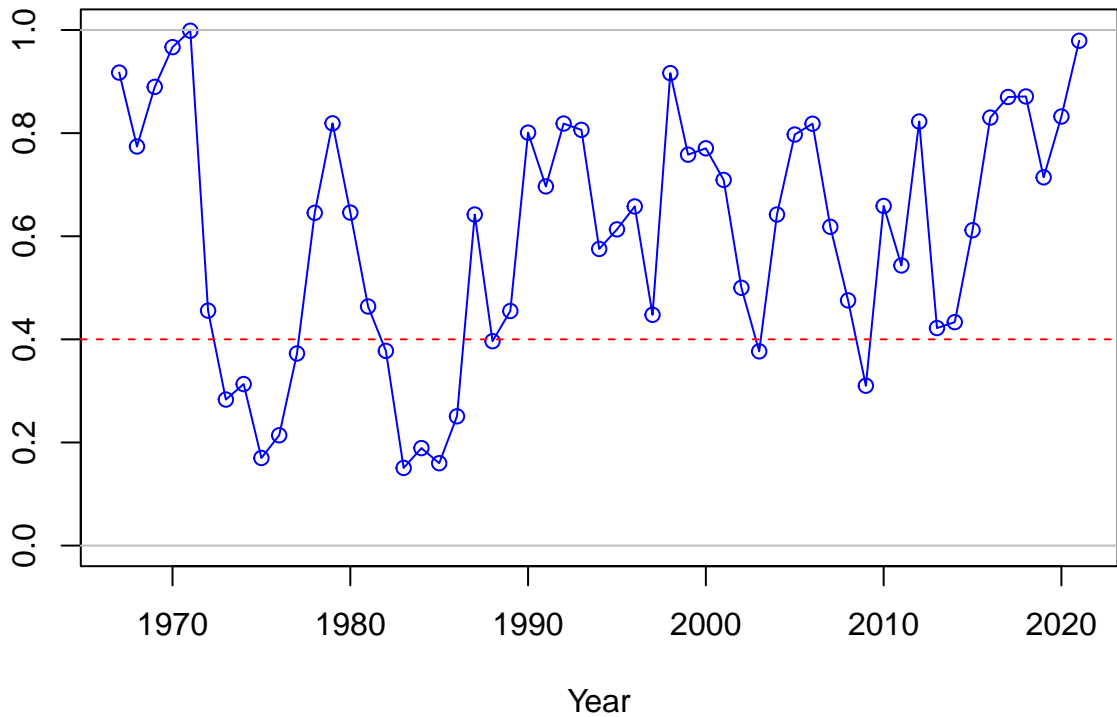


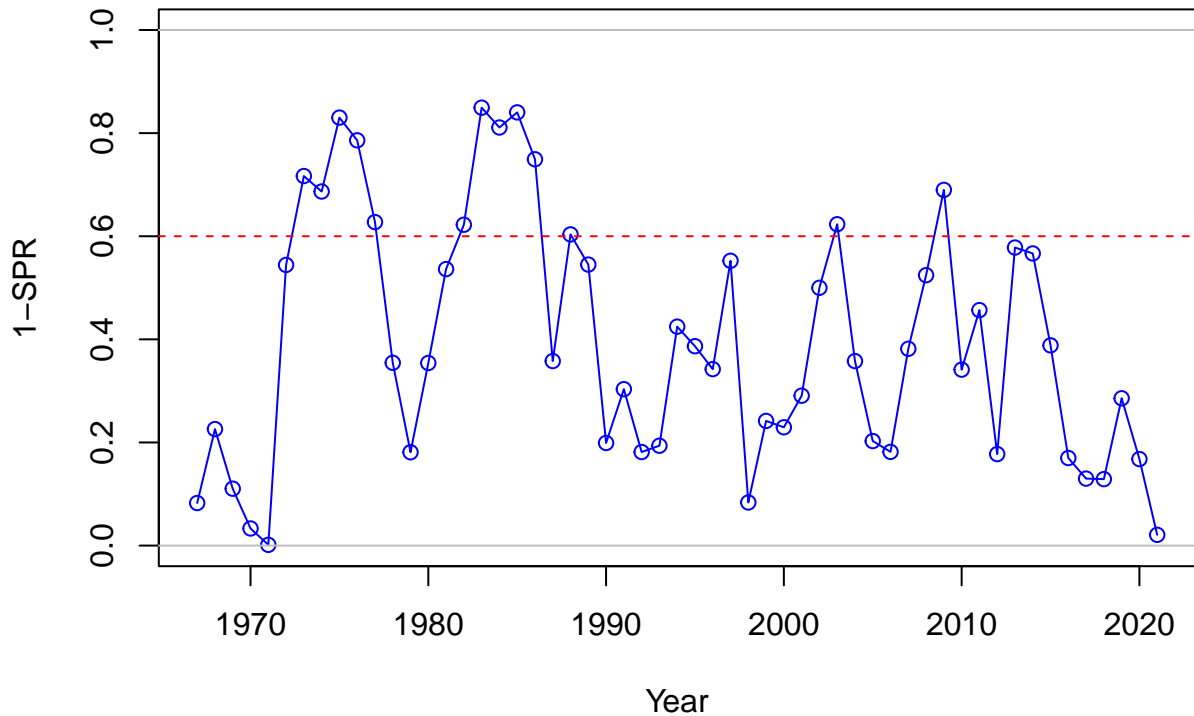




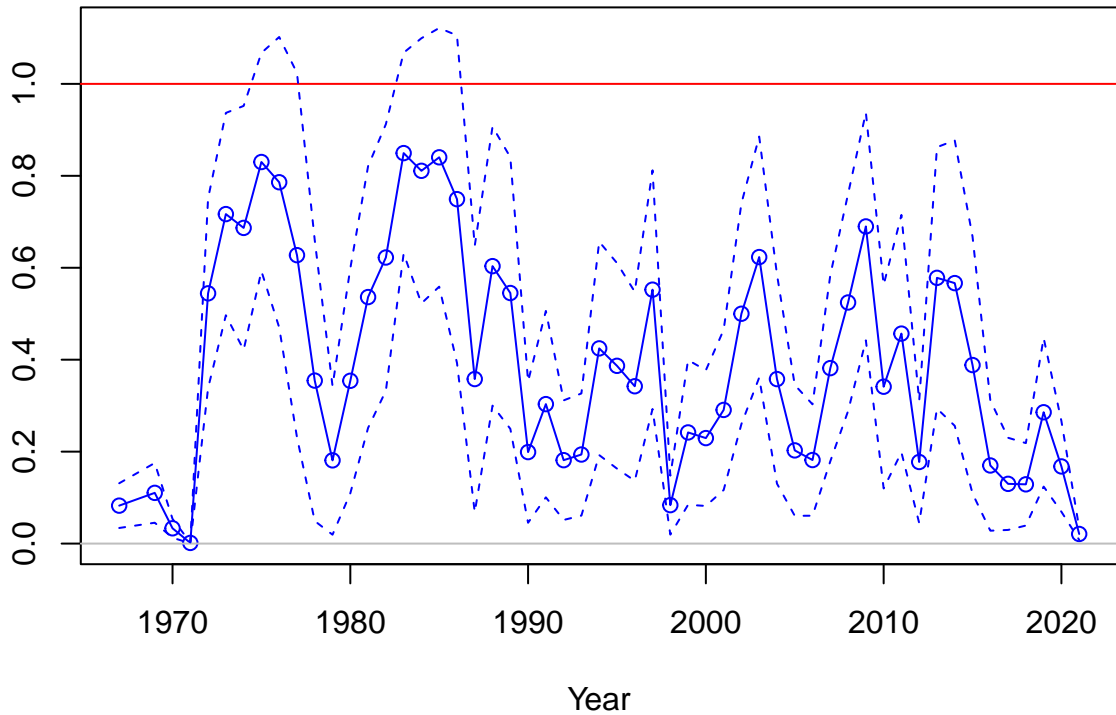


SPR

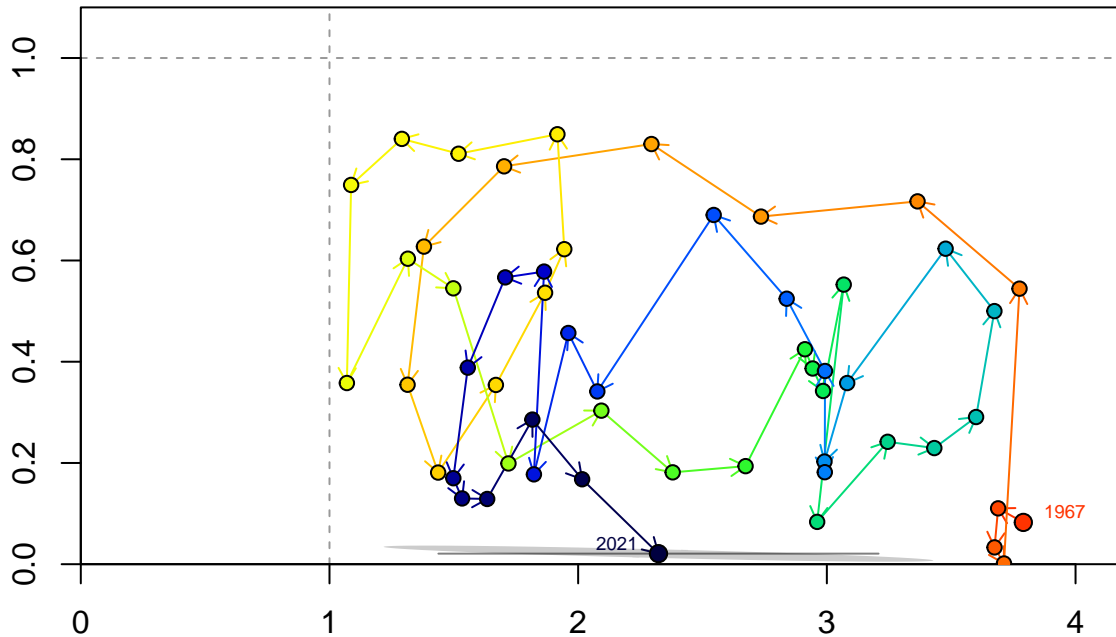




Fishing intensity: 1-SPR

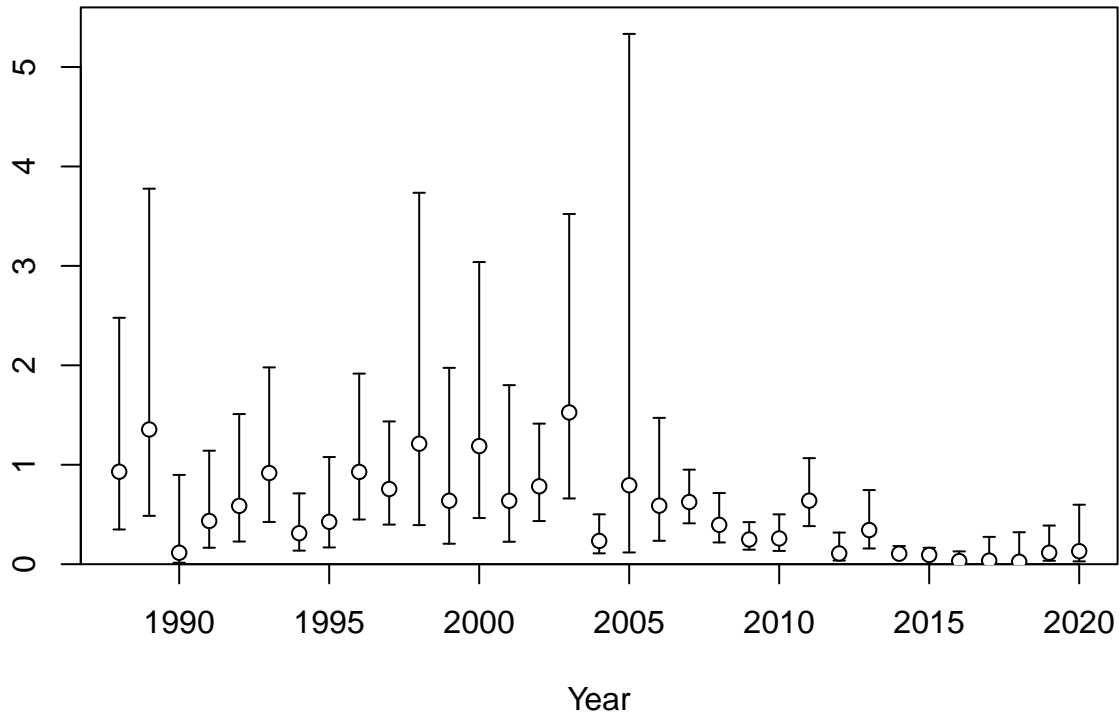


Fishing intensity: 1-SPR

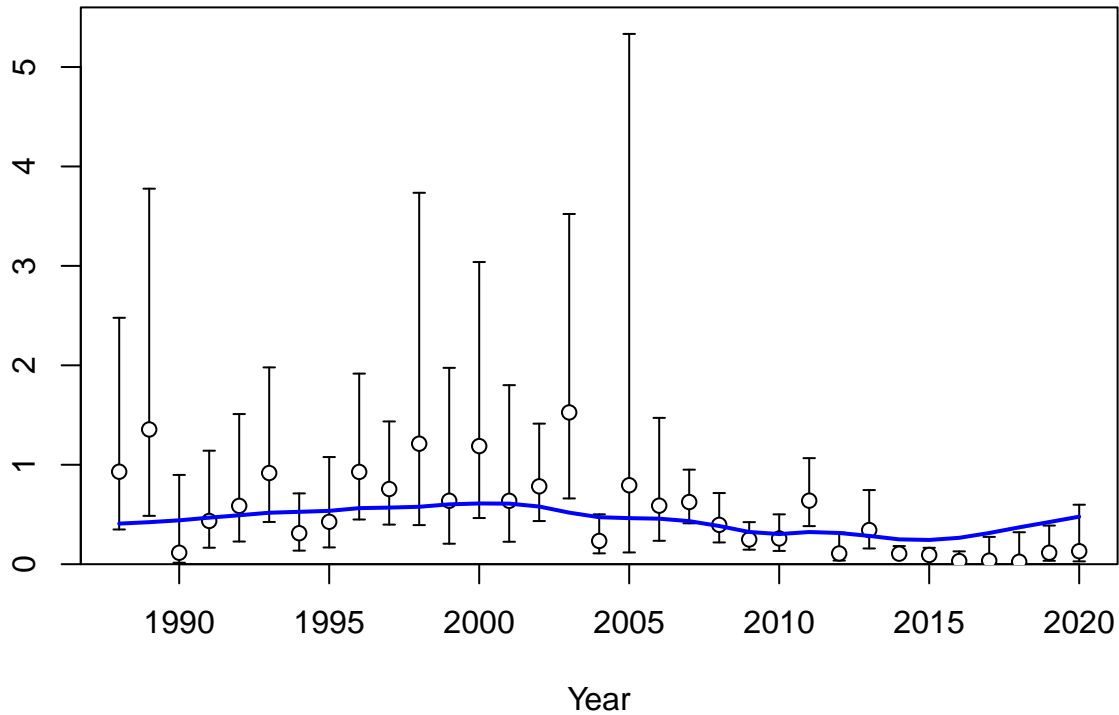


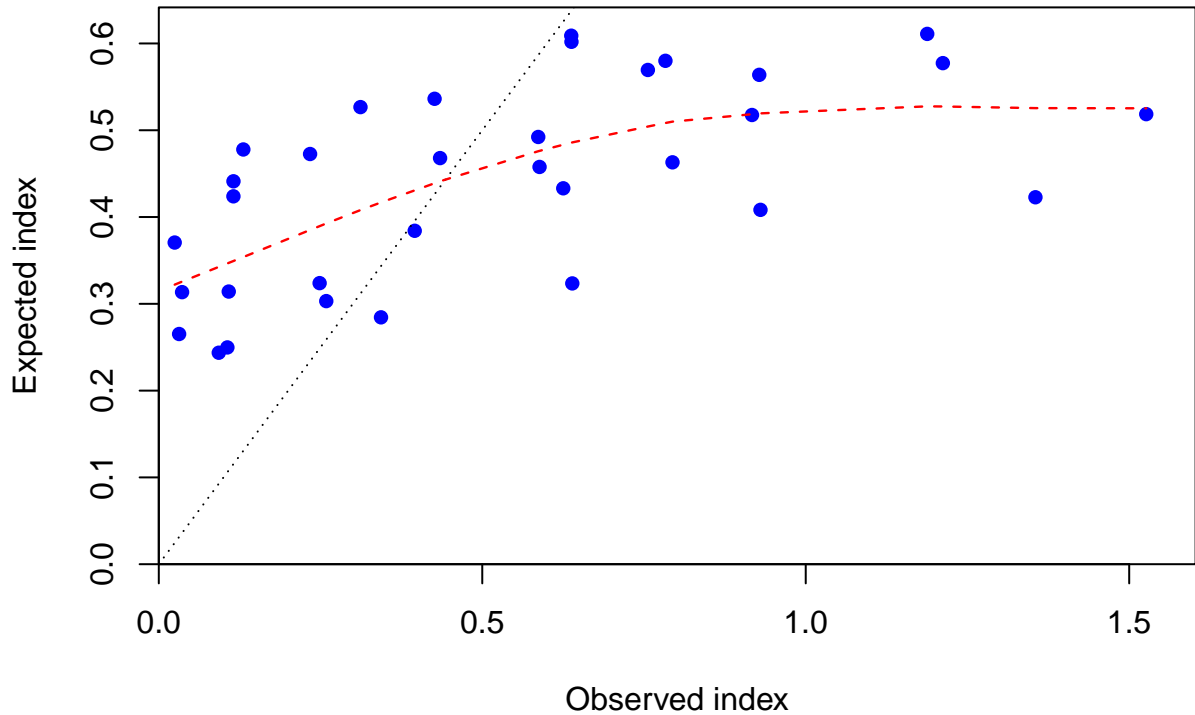
Relative spawning output: B/B_{MSY}

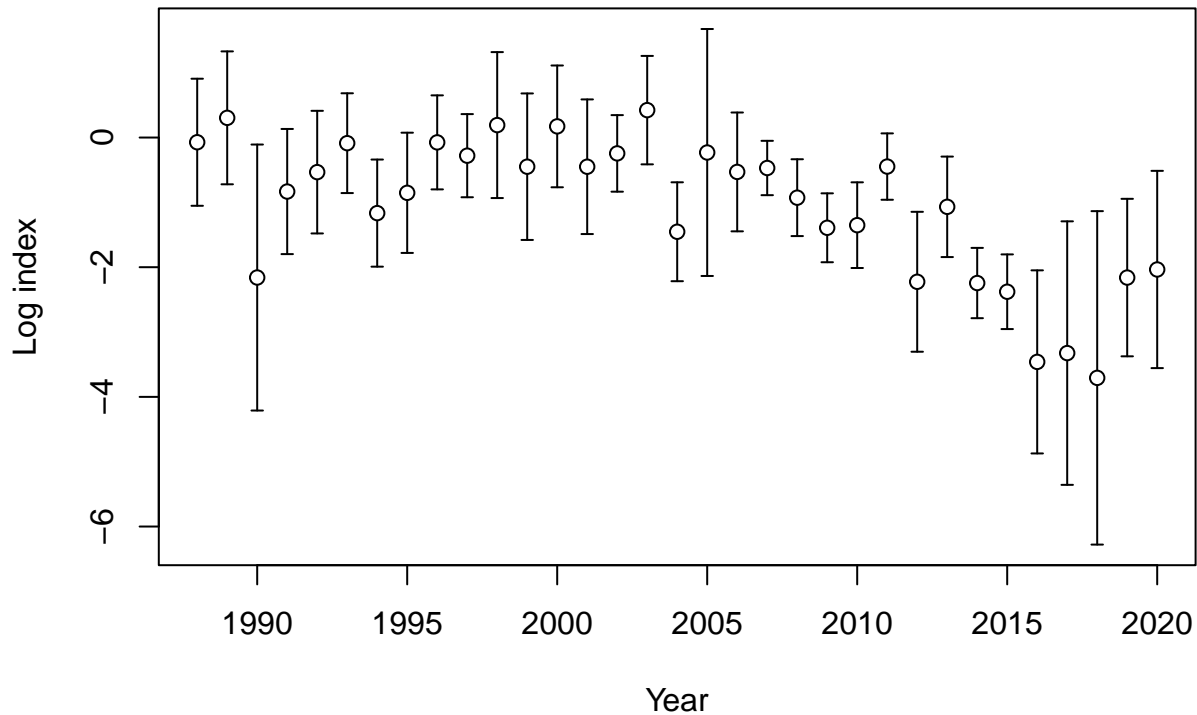
Index

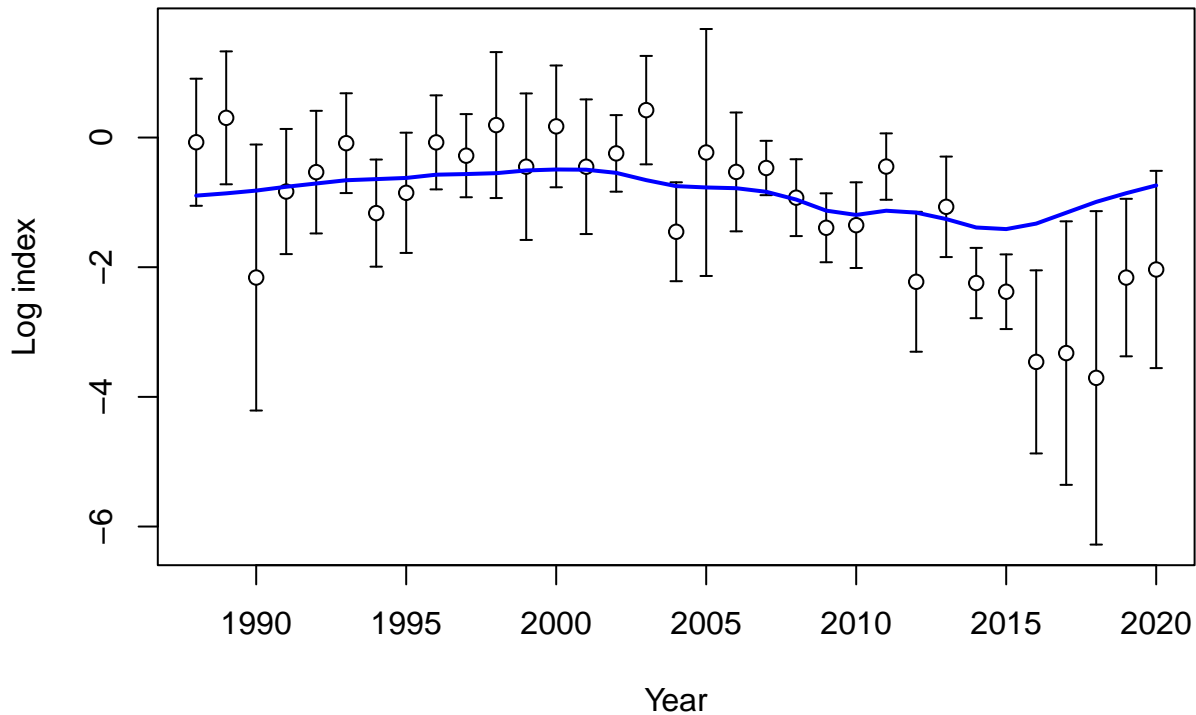


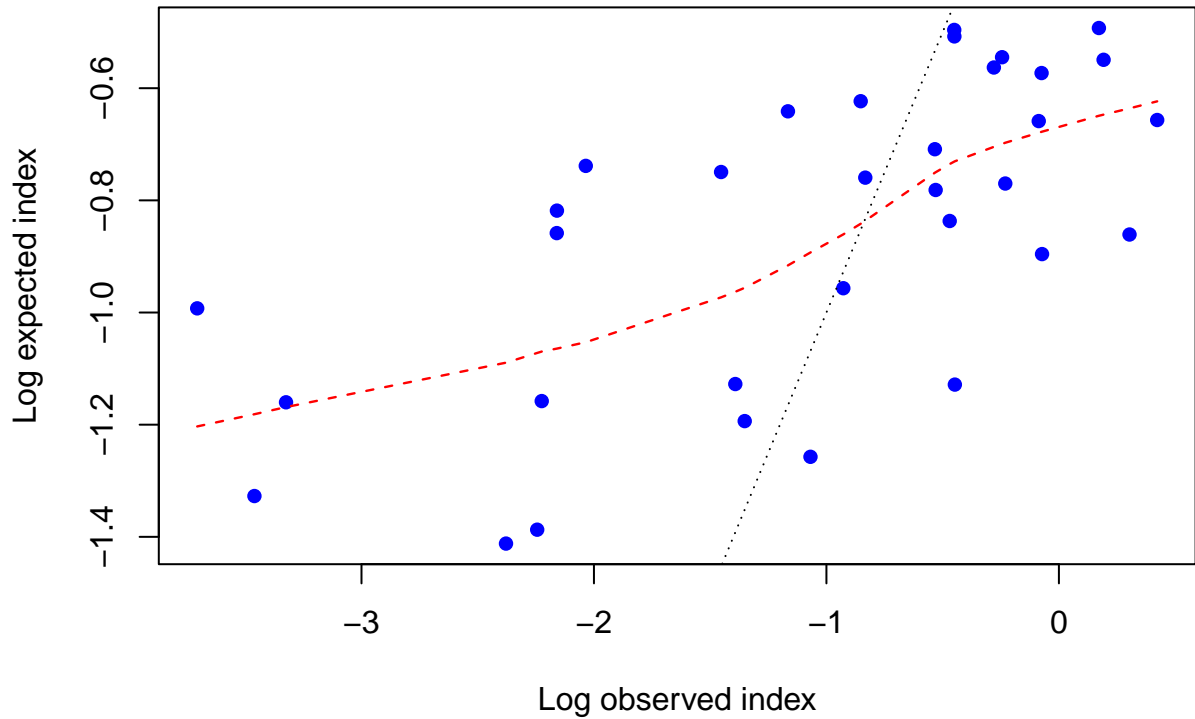
Index

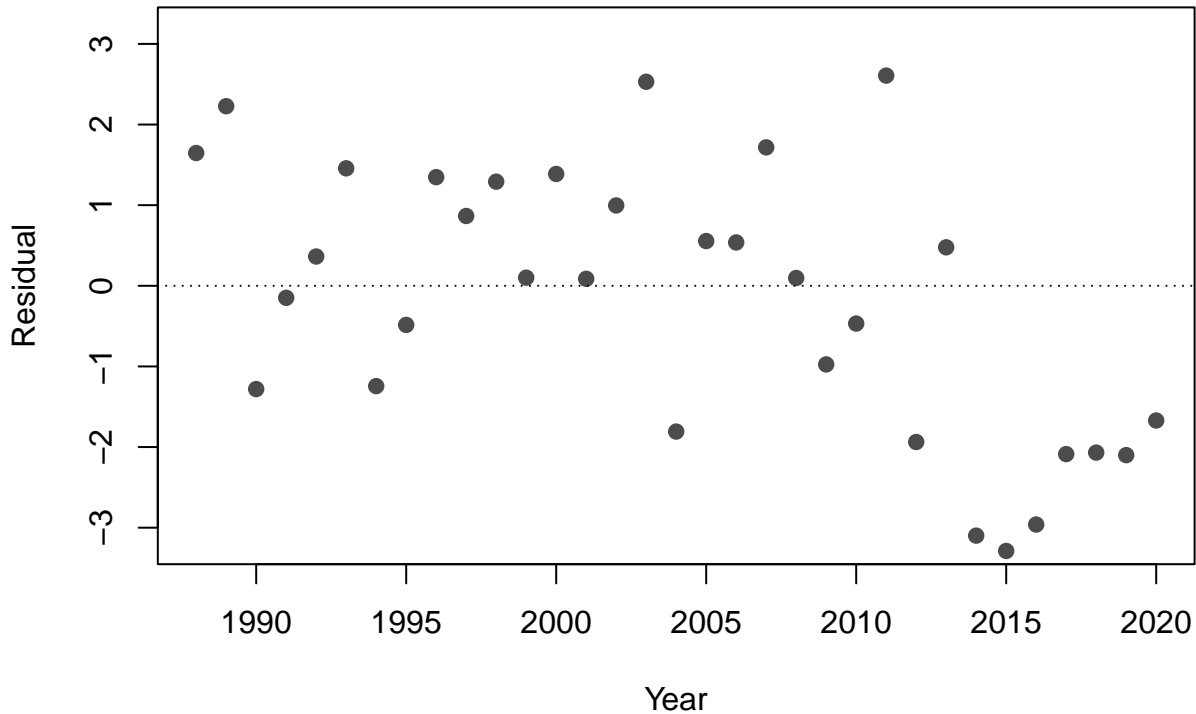


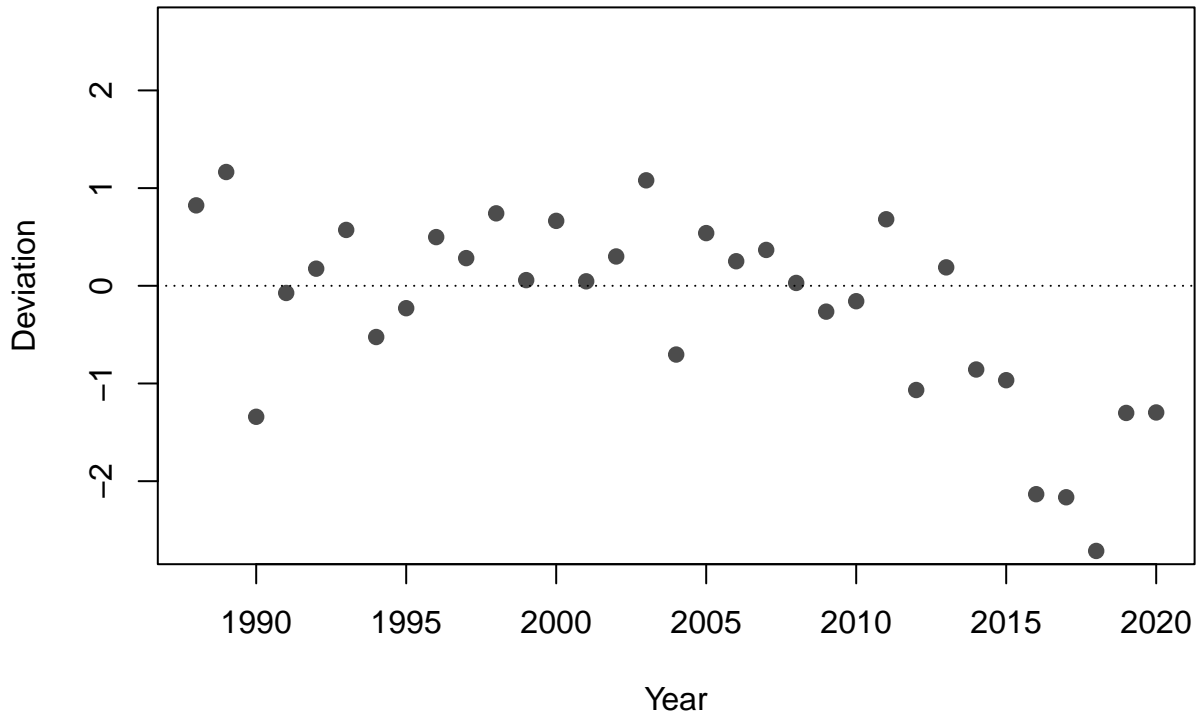


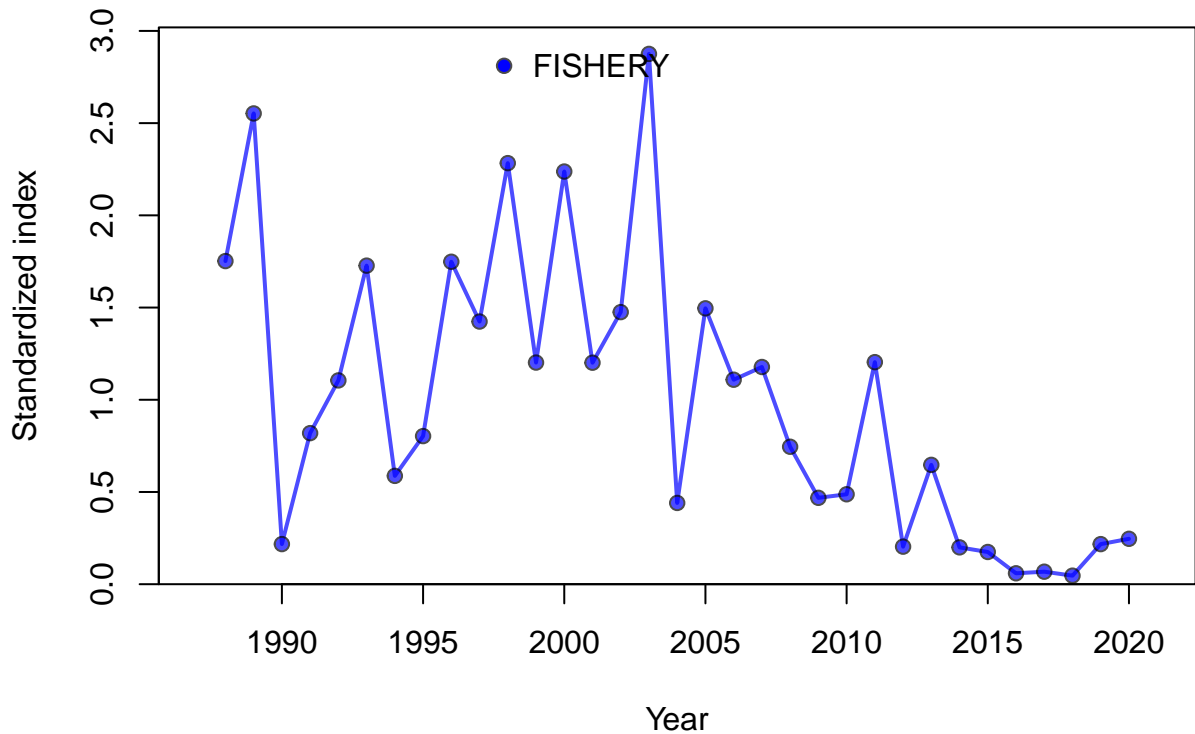




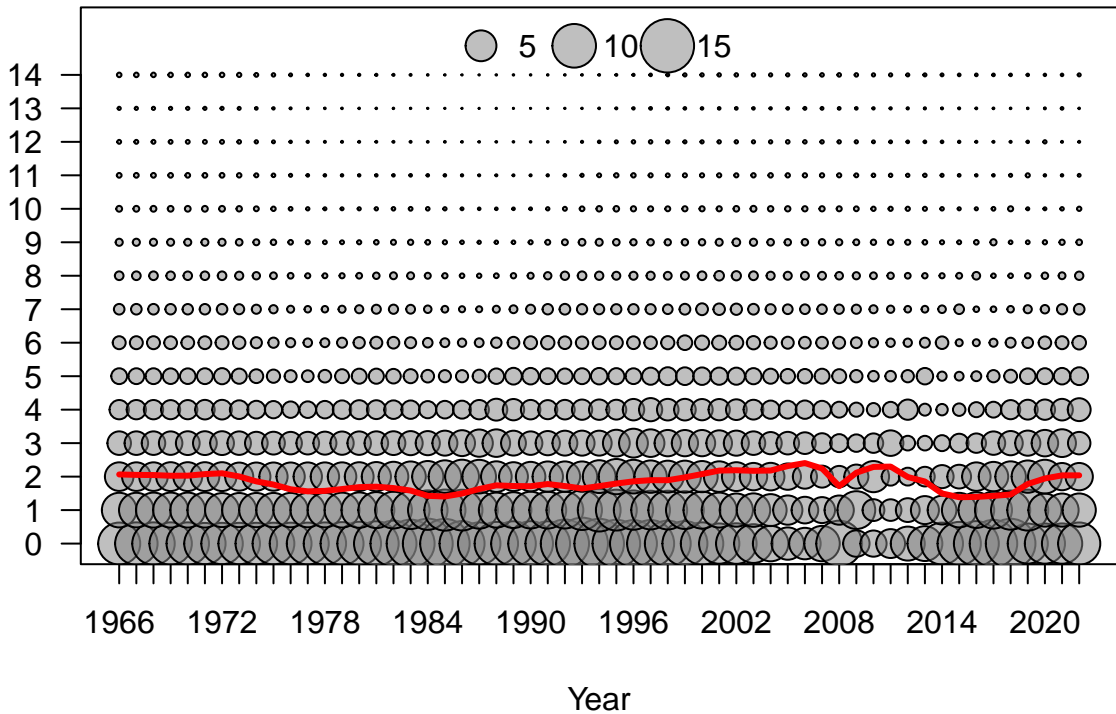


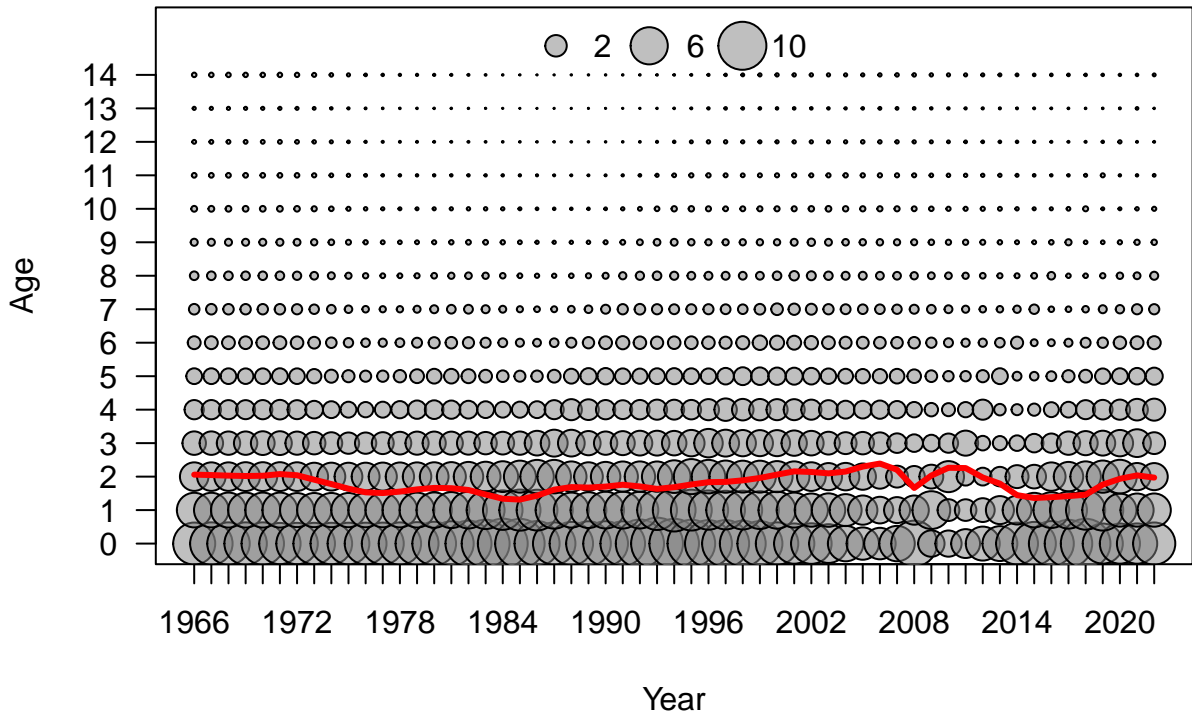


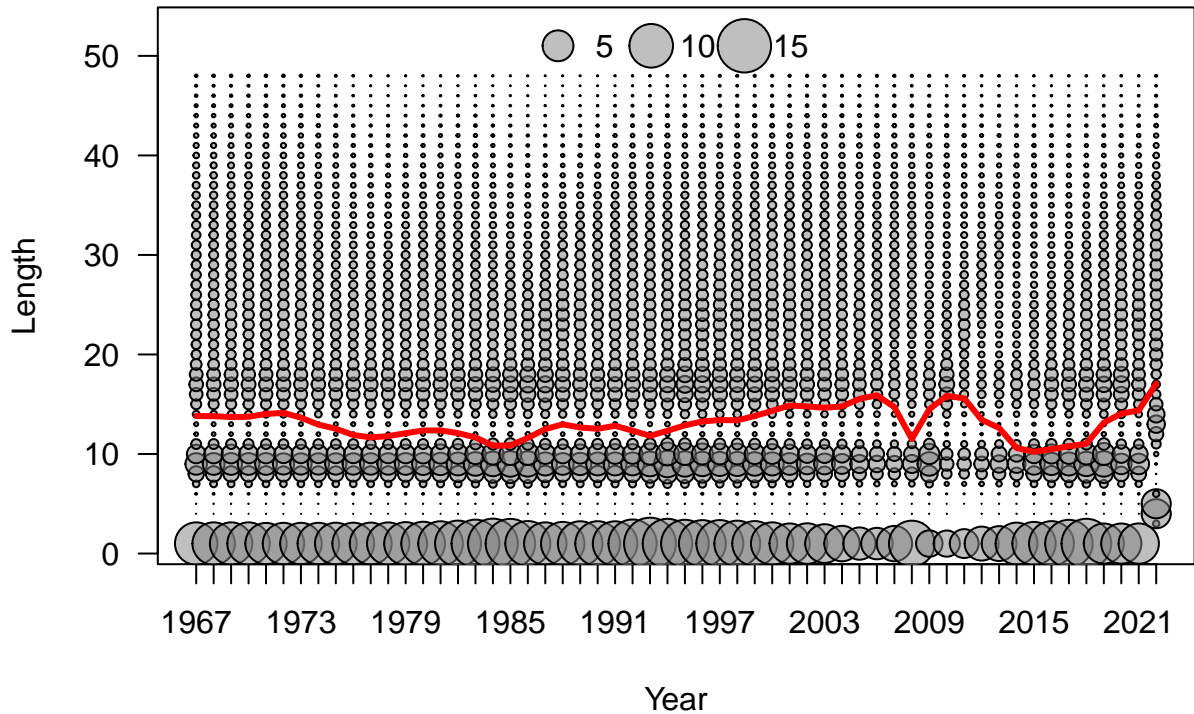


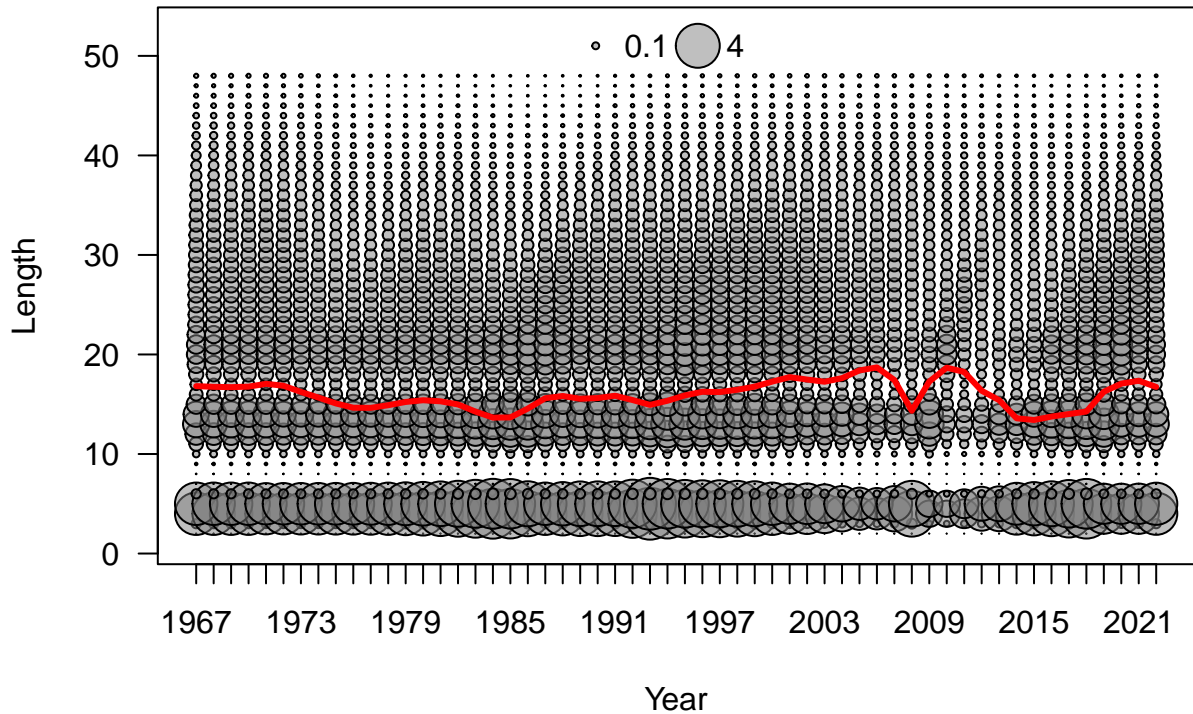


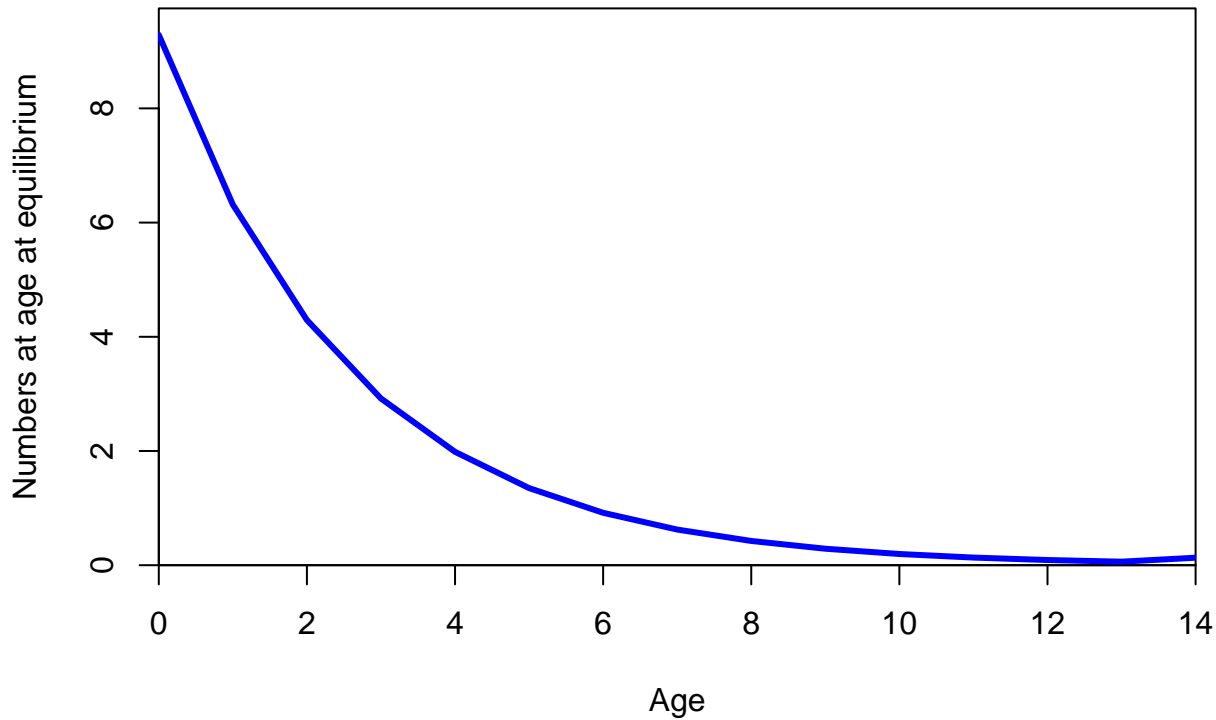
Age





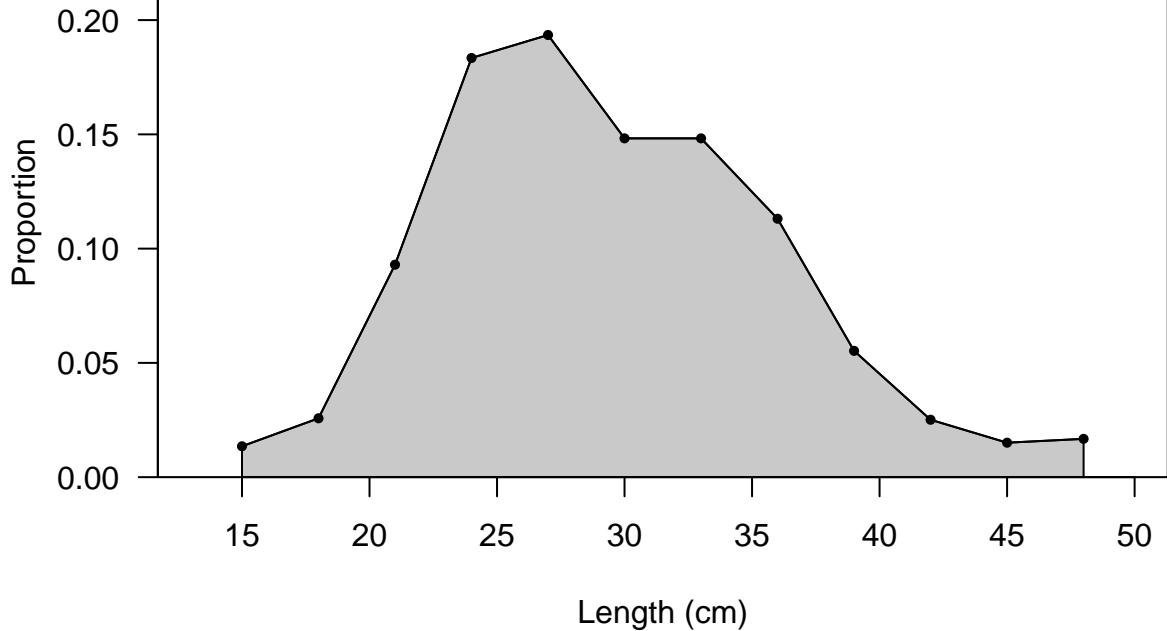


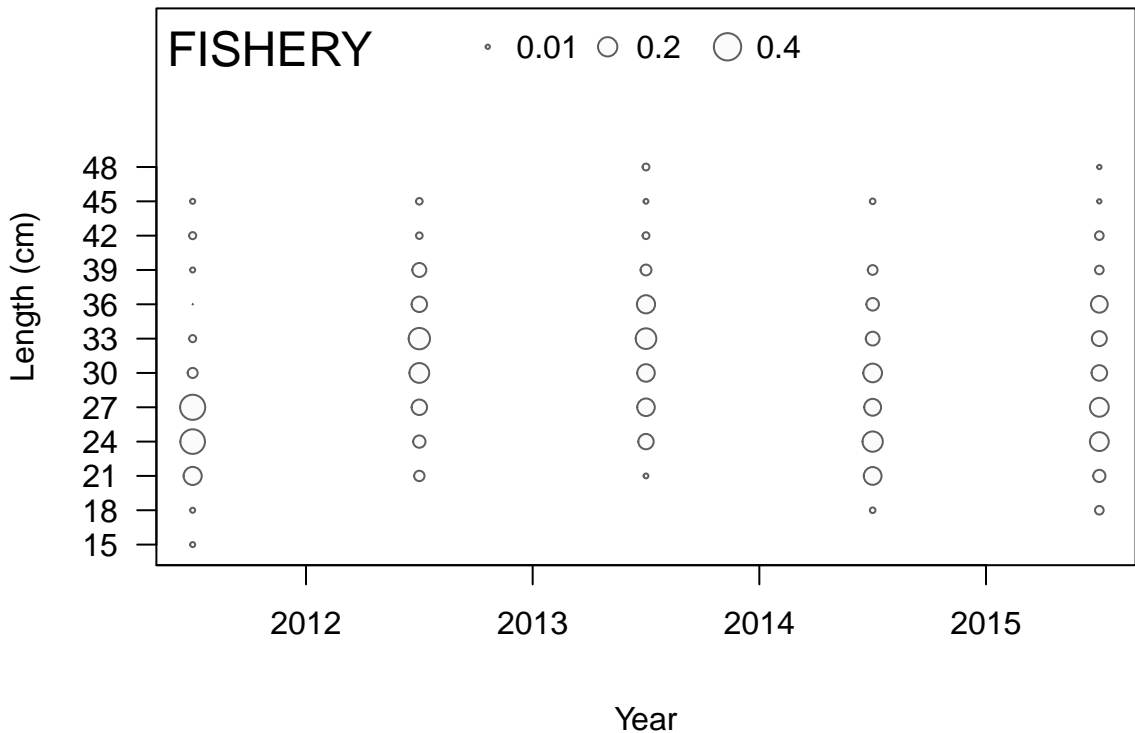




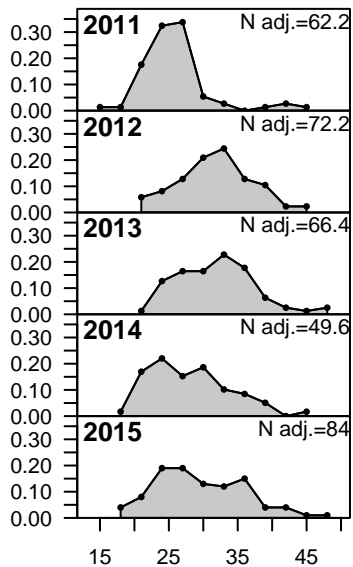
FISHERY

Sum of N adj.=334.3

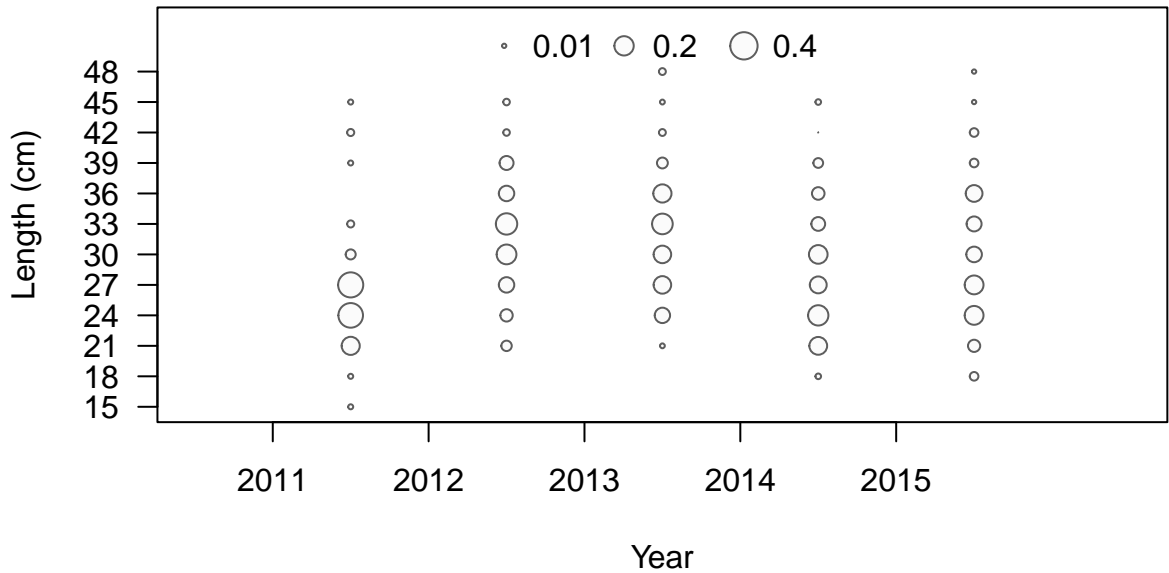




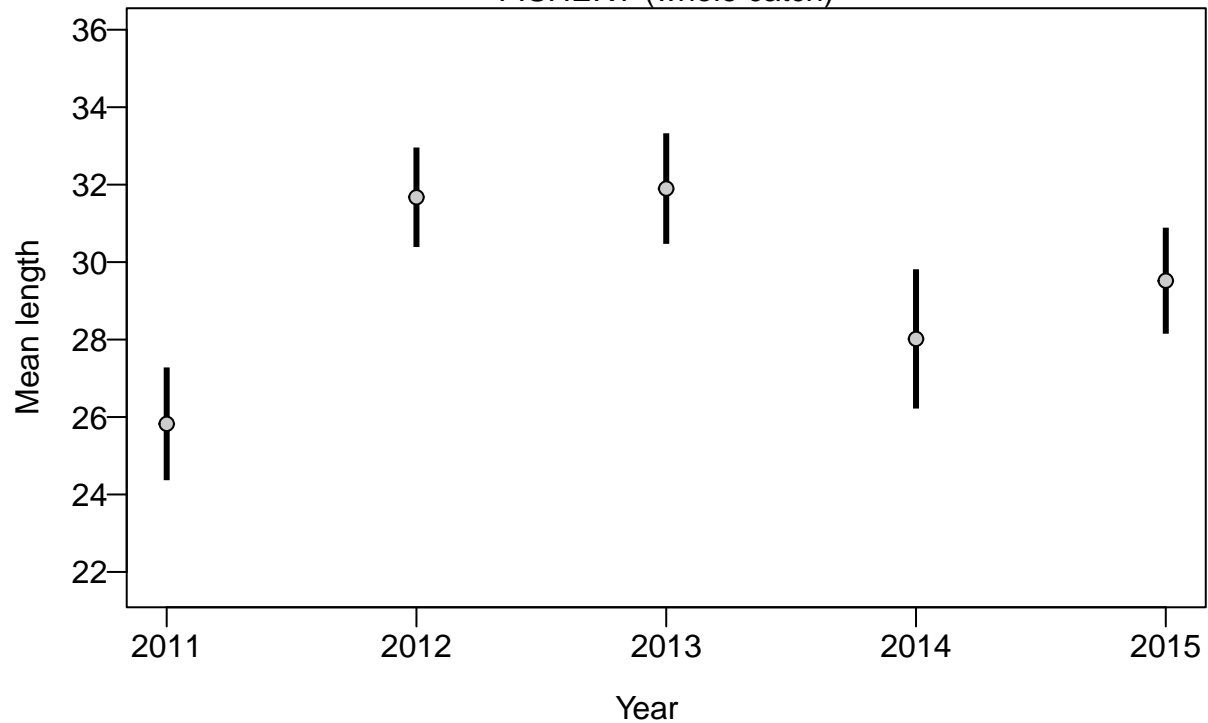
Proportion



Length (cm)

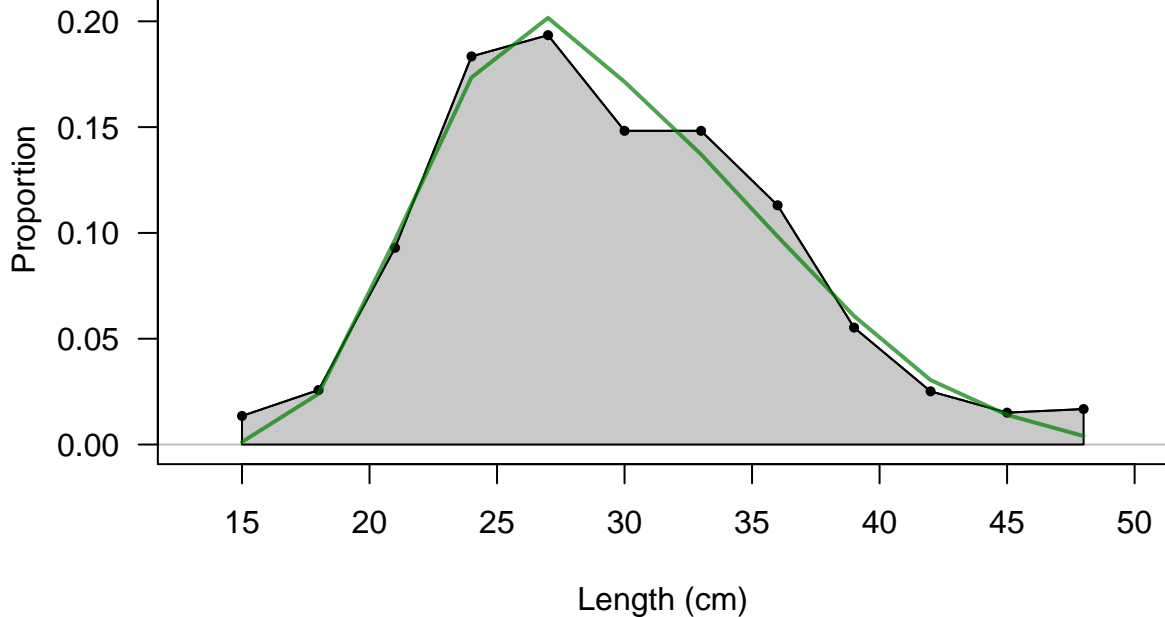


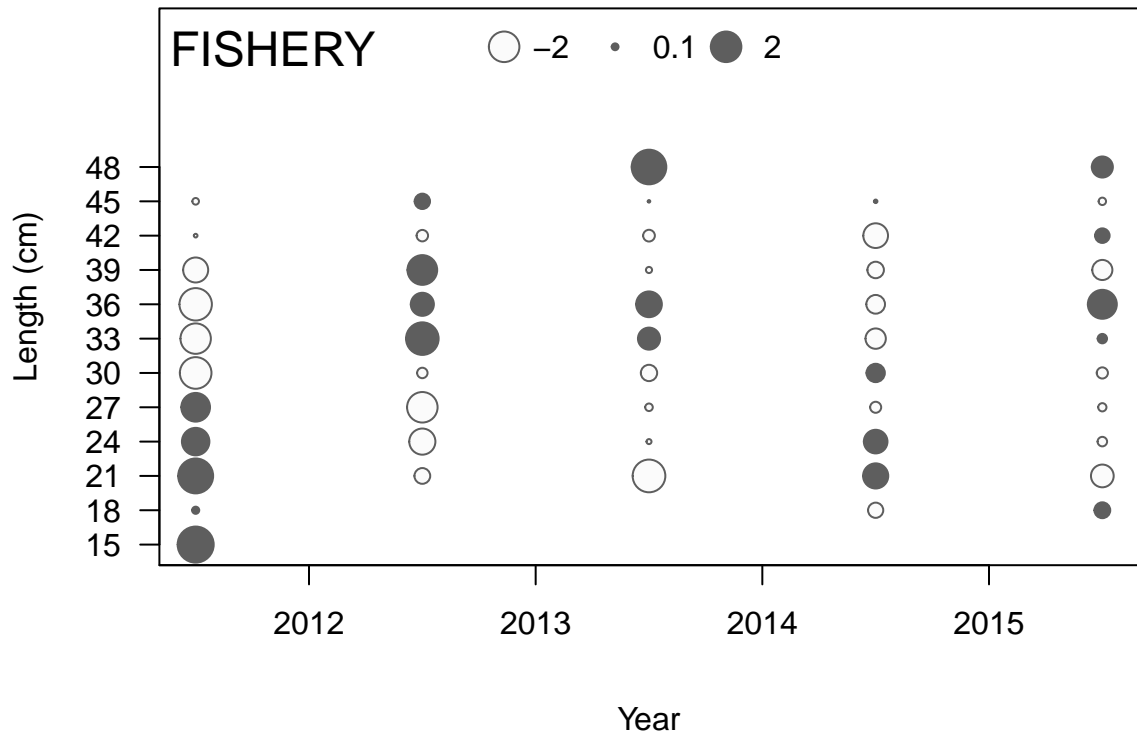
FISHERY (whole catch)



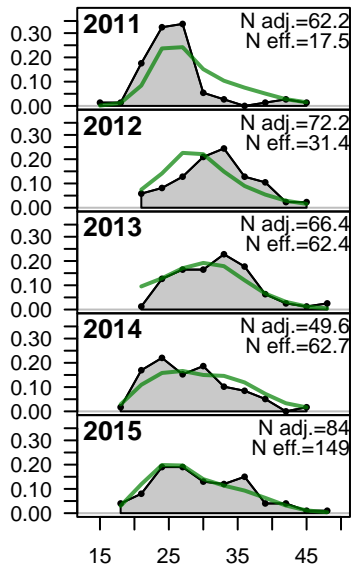
FISHERY

Sum of N adj.=334.3
Sum of N eff.=322.9

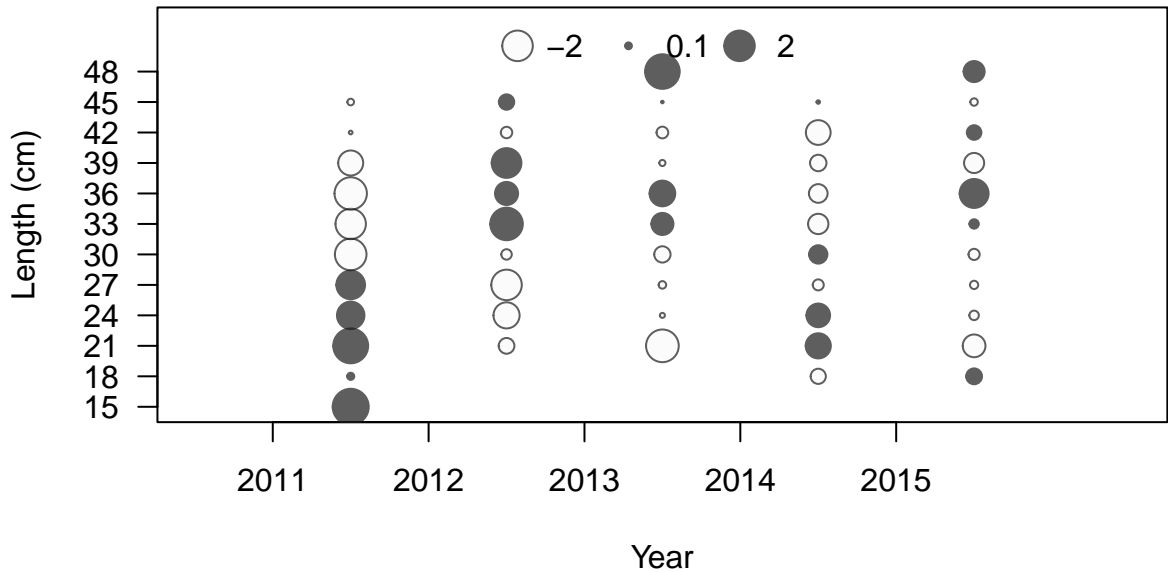




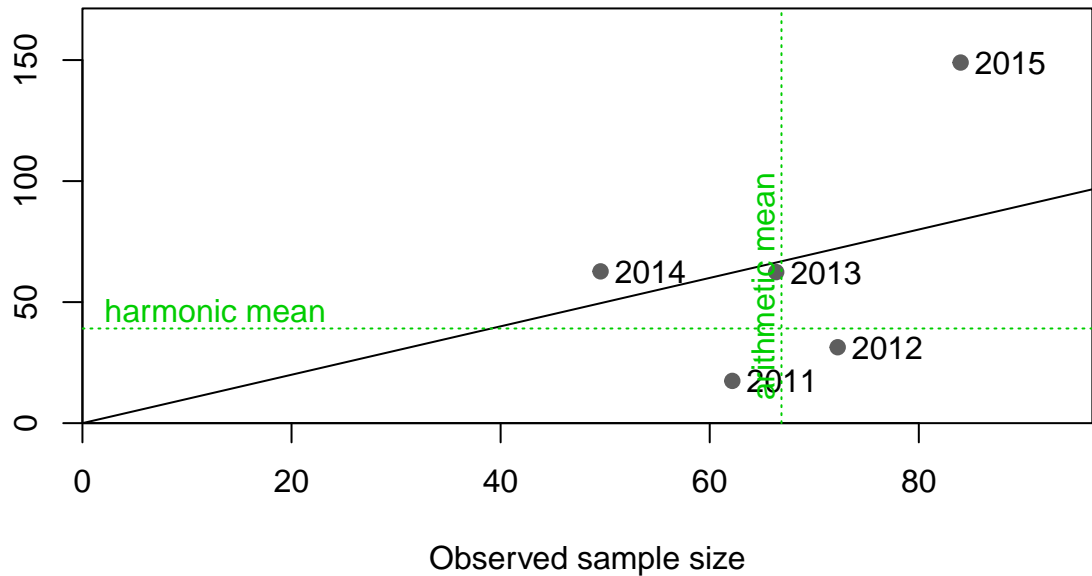
Proportion



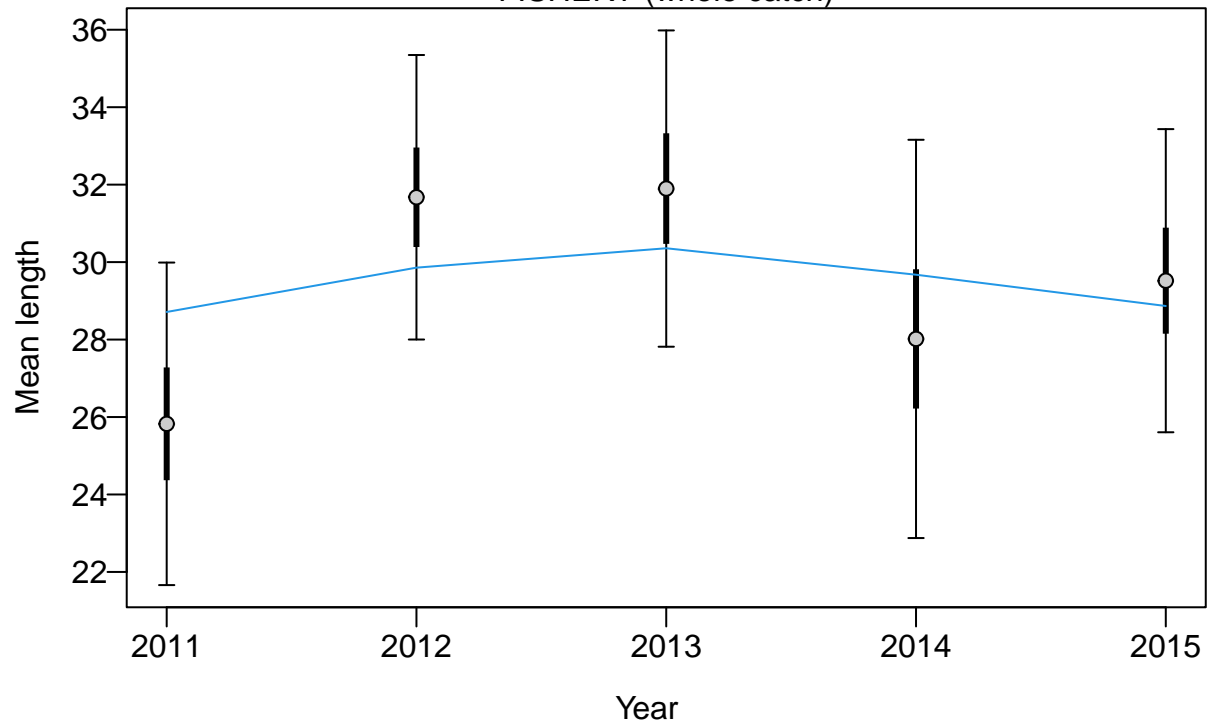
Length (cm)

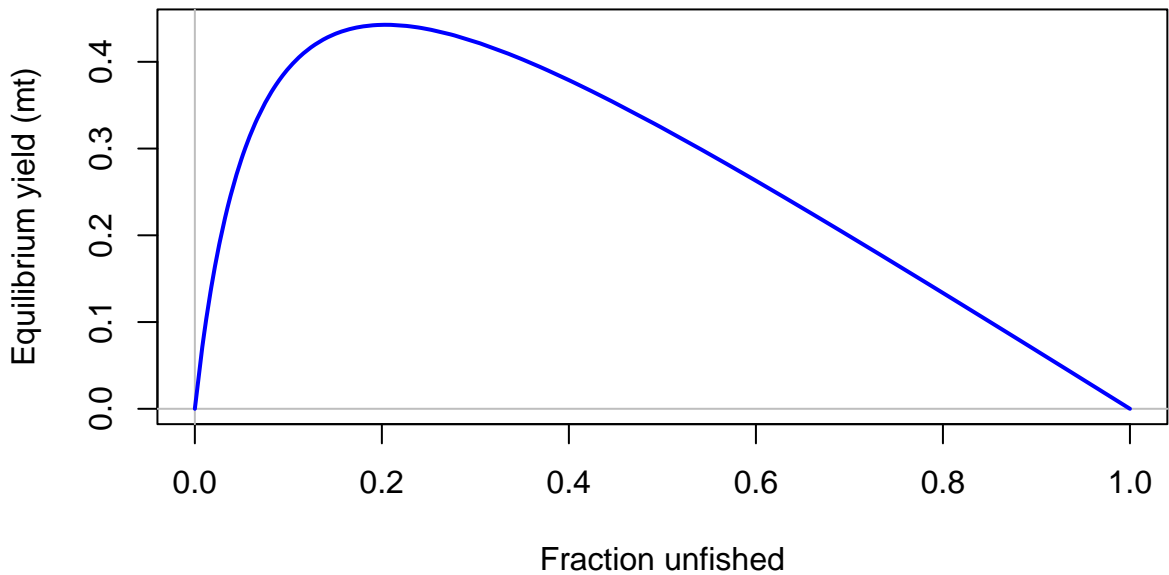


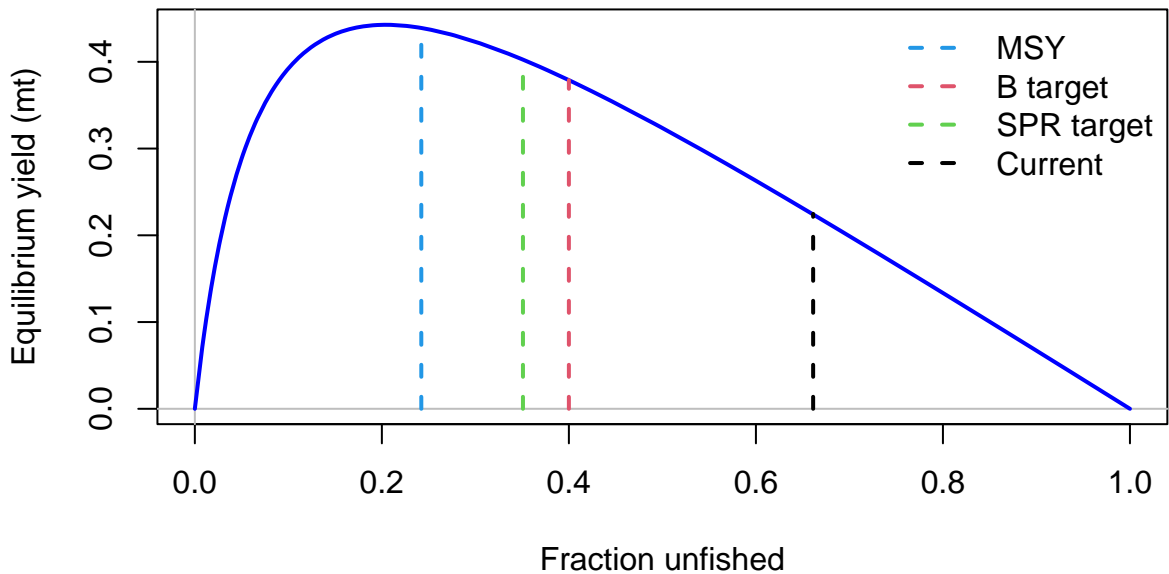
Effective sample size

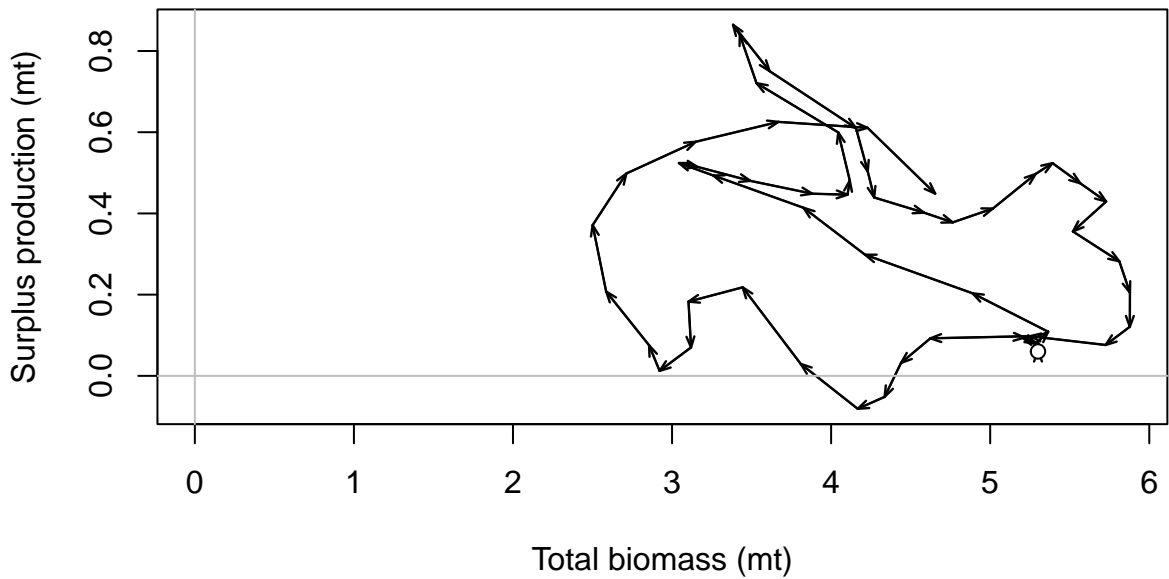


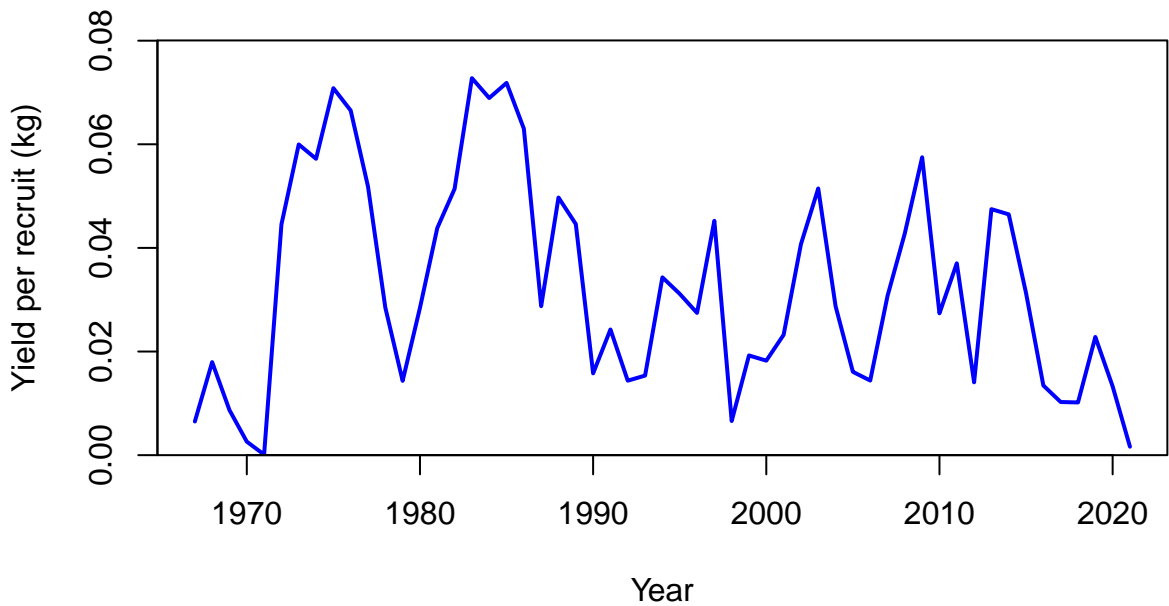
FISHERY (whole catch)

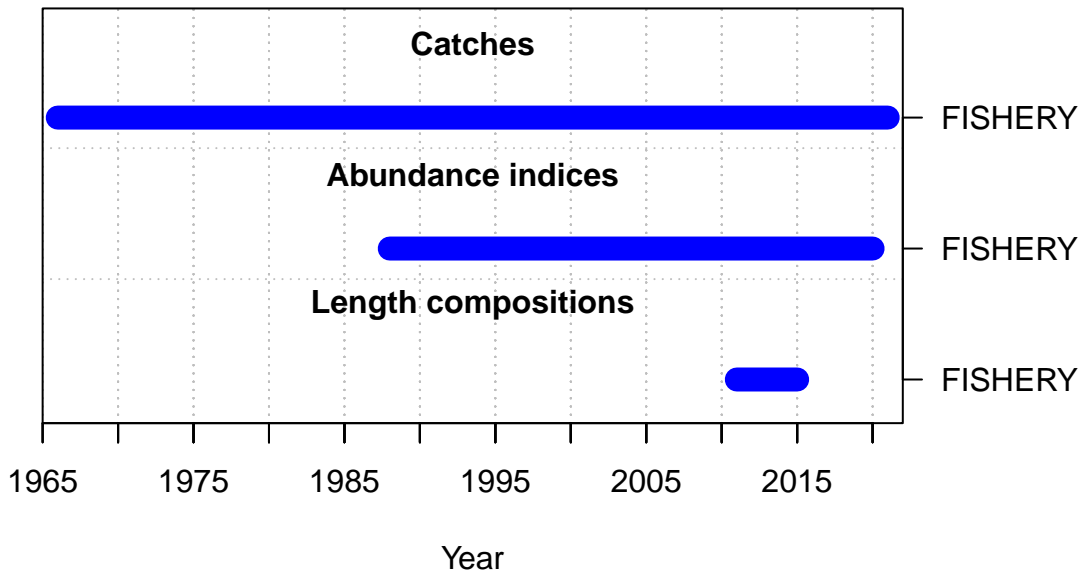


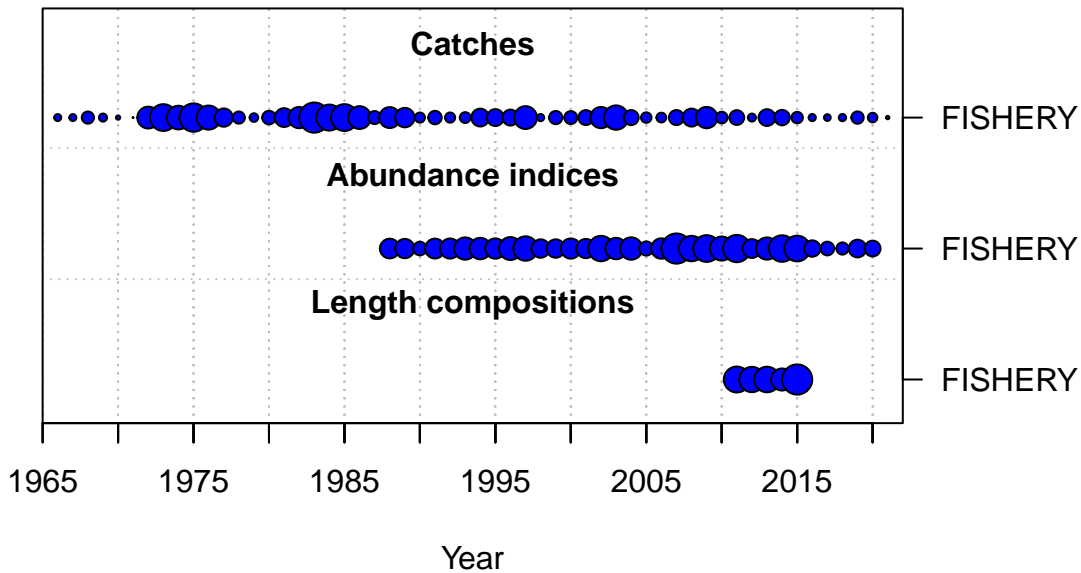




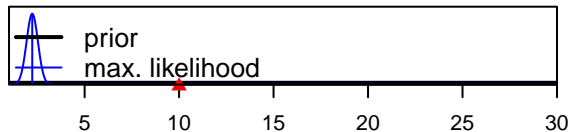




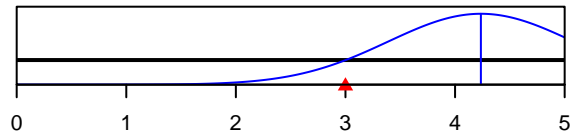




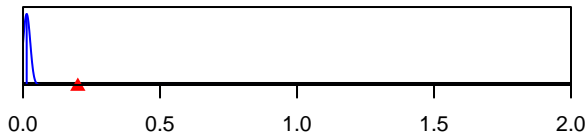
SR_LN(R0)



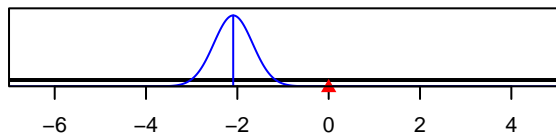
Size_95%width_FISHERY(1)



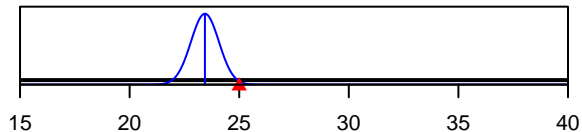
InitF_seas_1_flt_1FISHERY



LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Parameter value