

Plots created using the 'r4ss' package in R

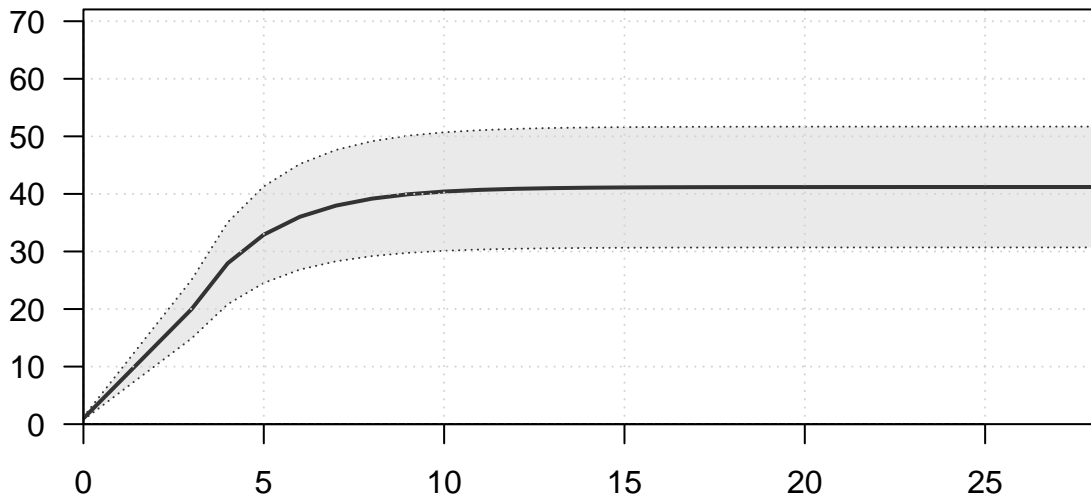
Stock Synthesis version: 3.30.19.0

StartTime: Mon Jun 20 10:23:26 2022

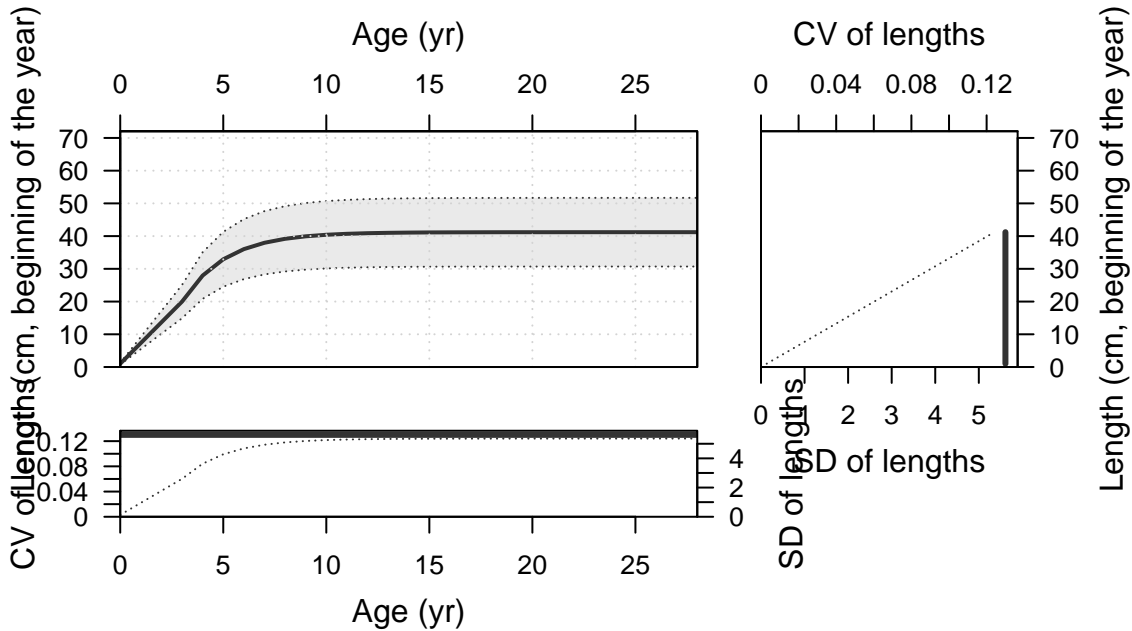
Data_File: data.ss

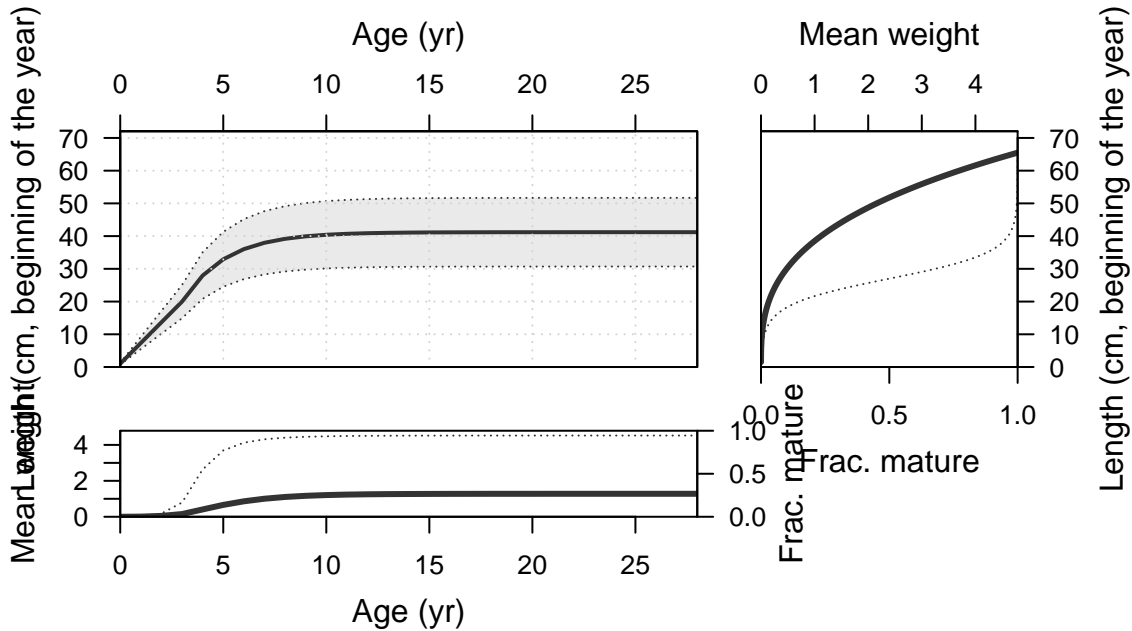
Control_File: control.ss

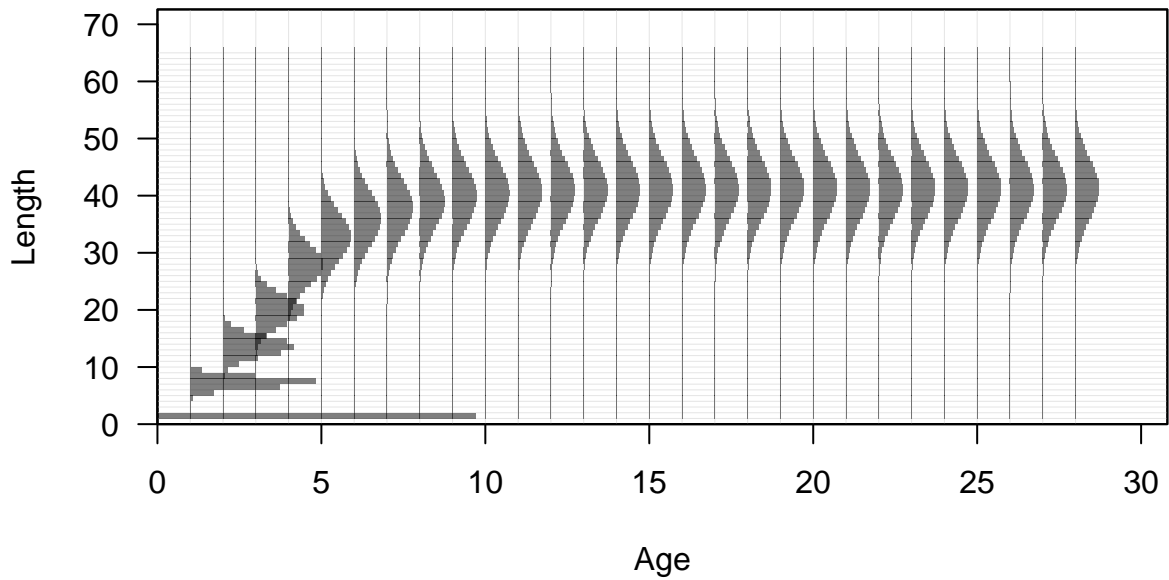
Length (cm, beginning of the year)

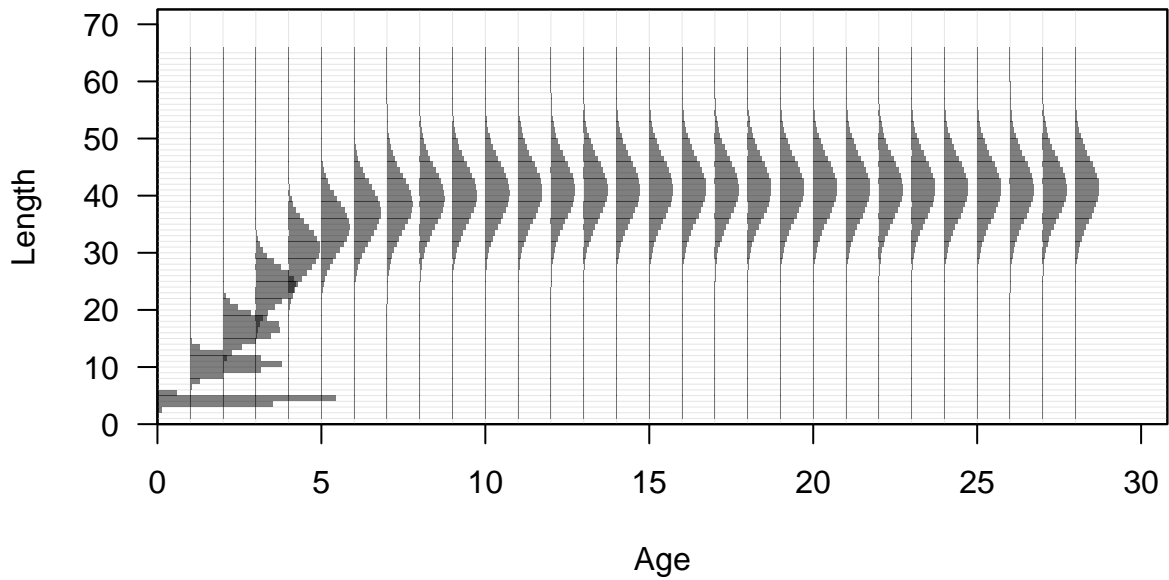


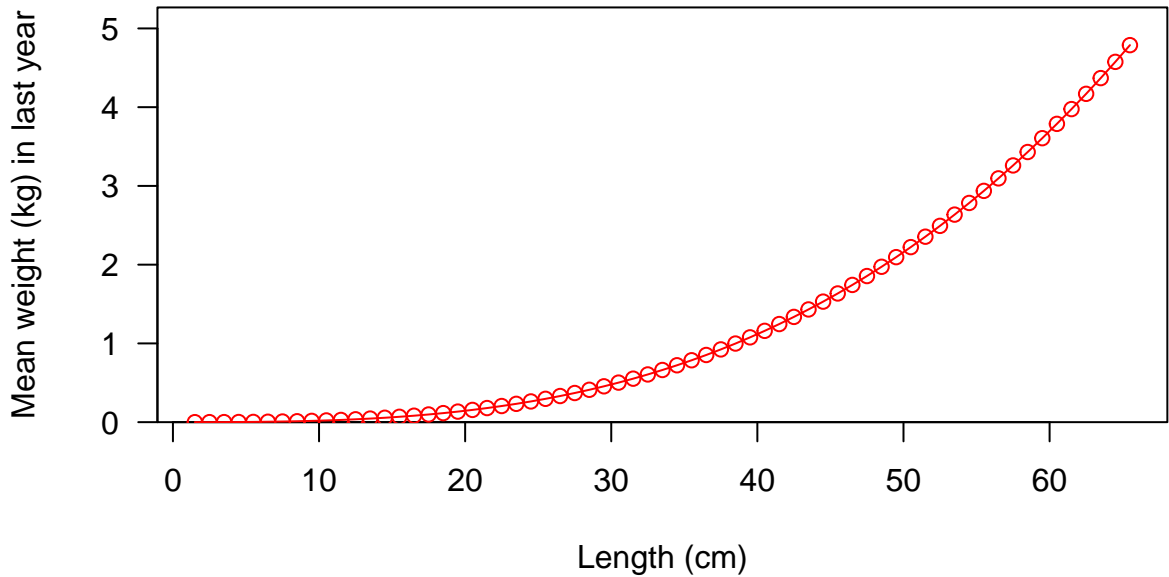
Age (yr)

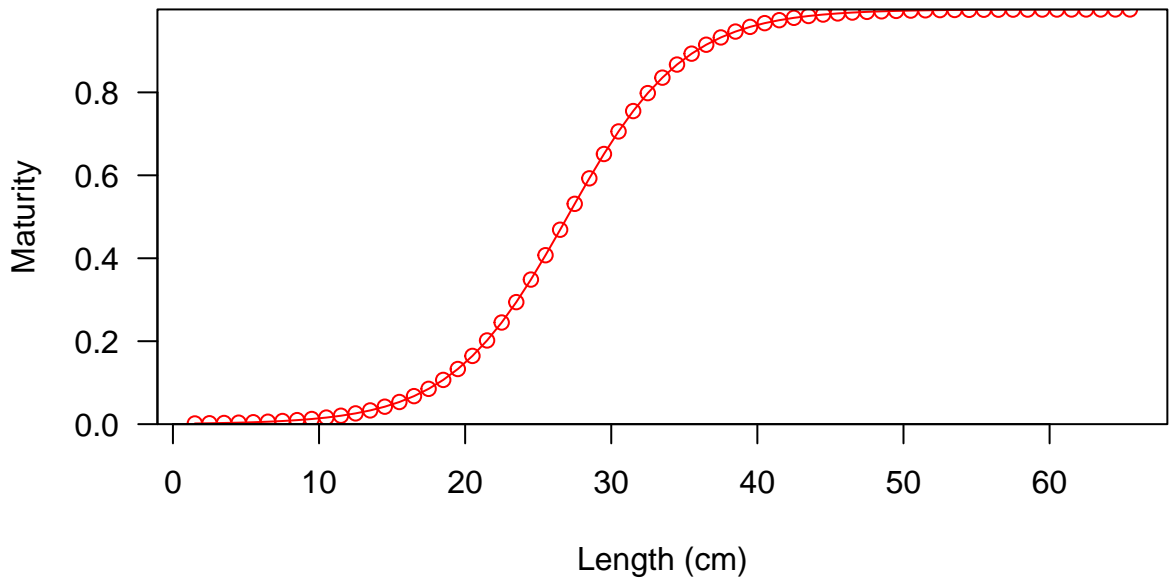


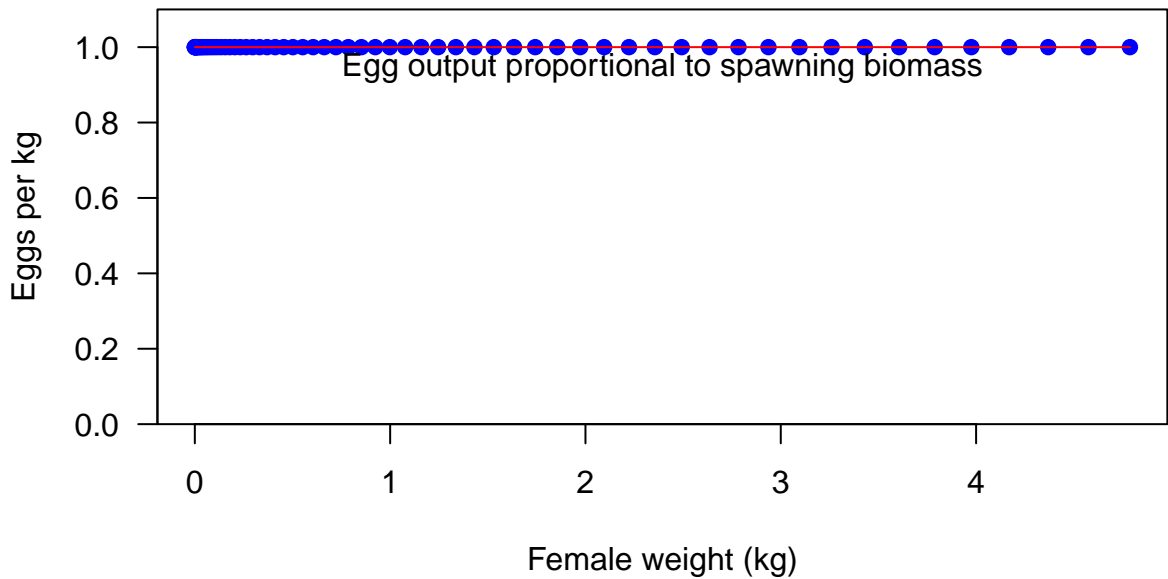




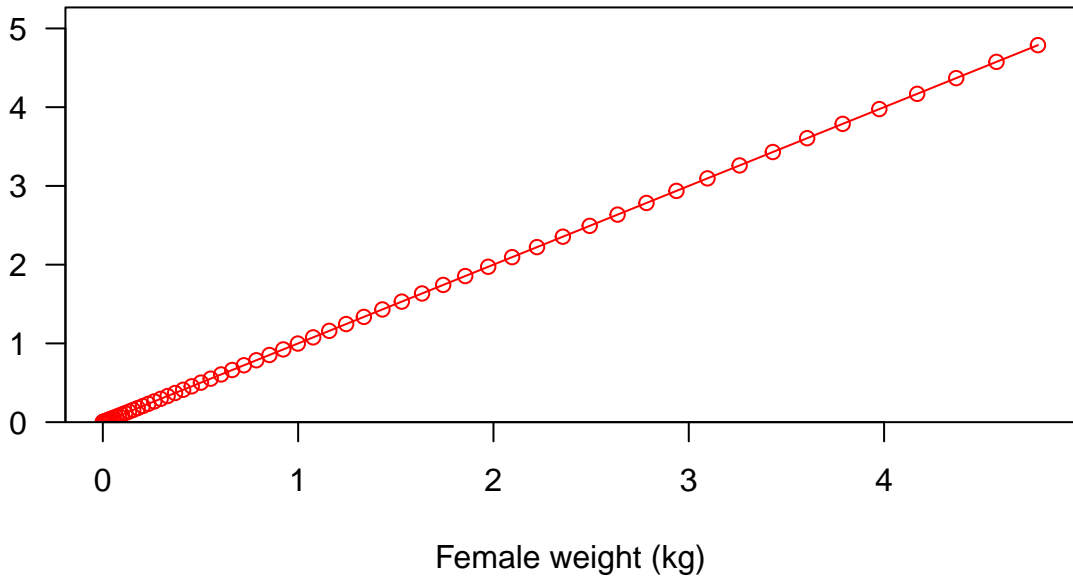




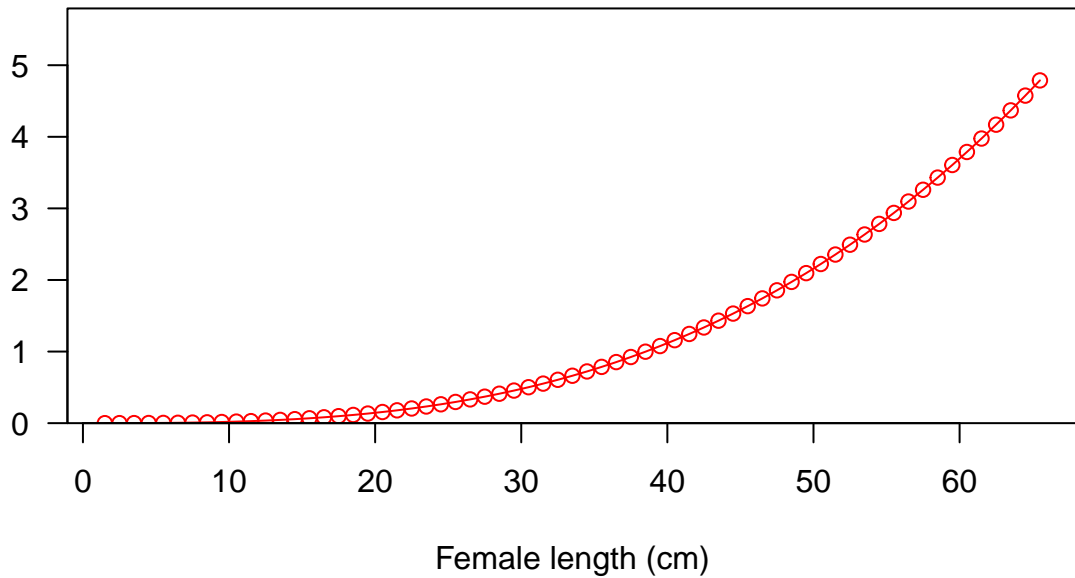




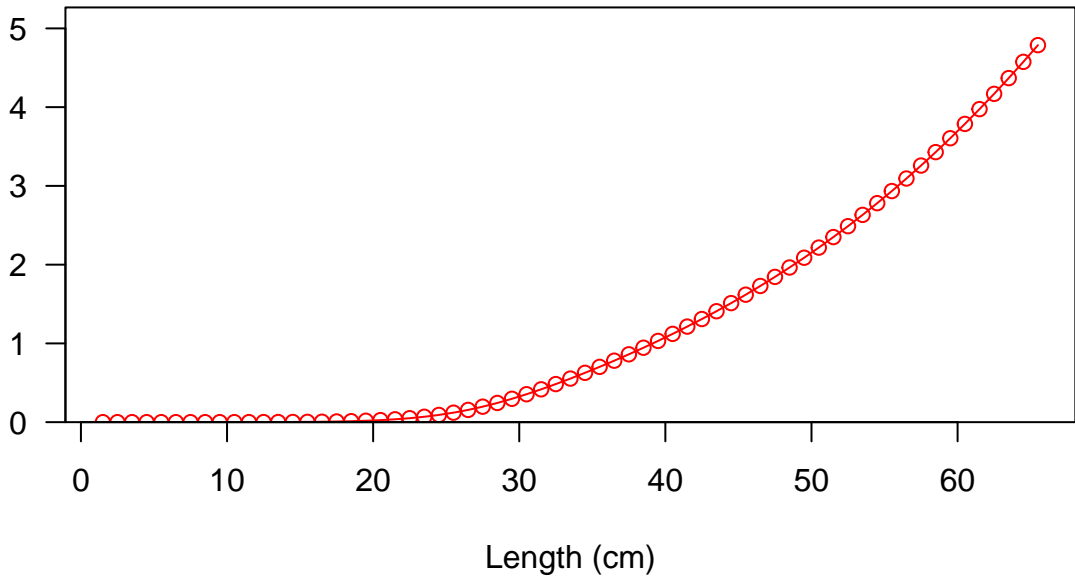
Fecundity

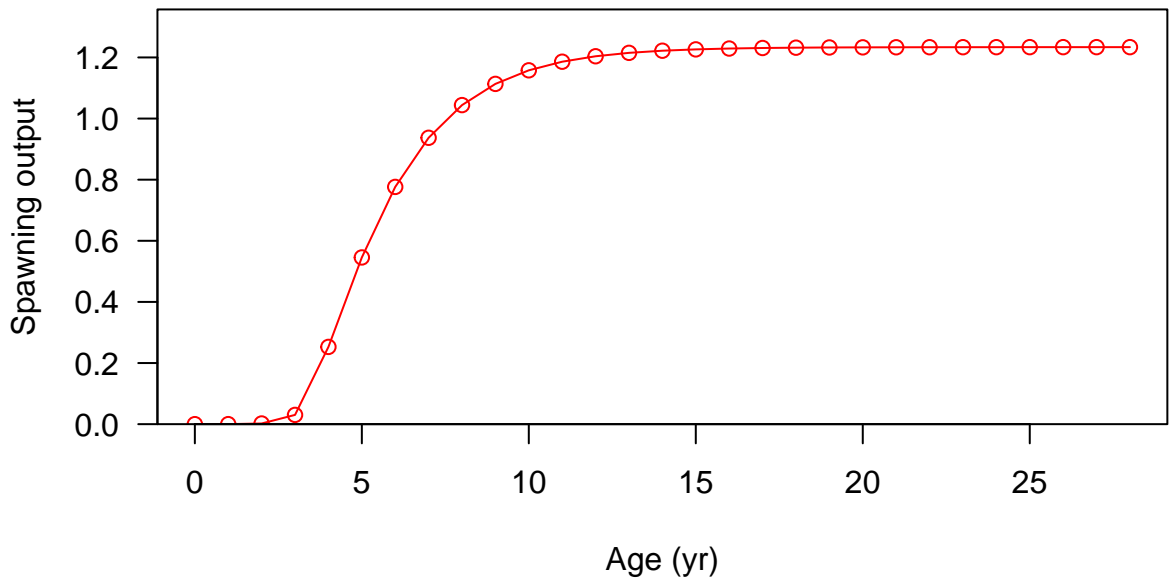


Fecundity

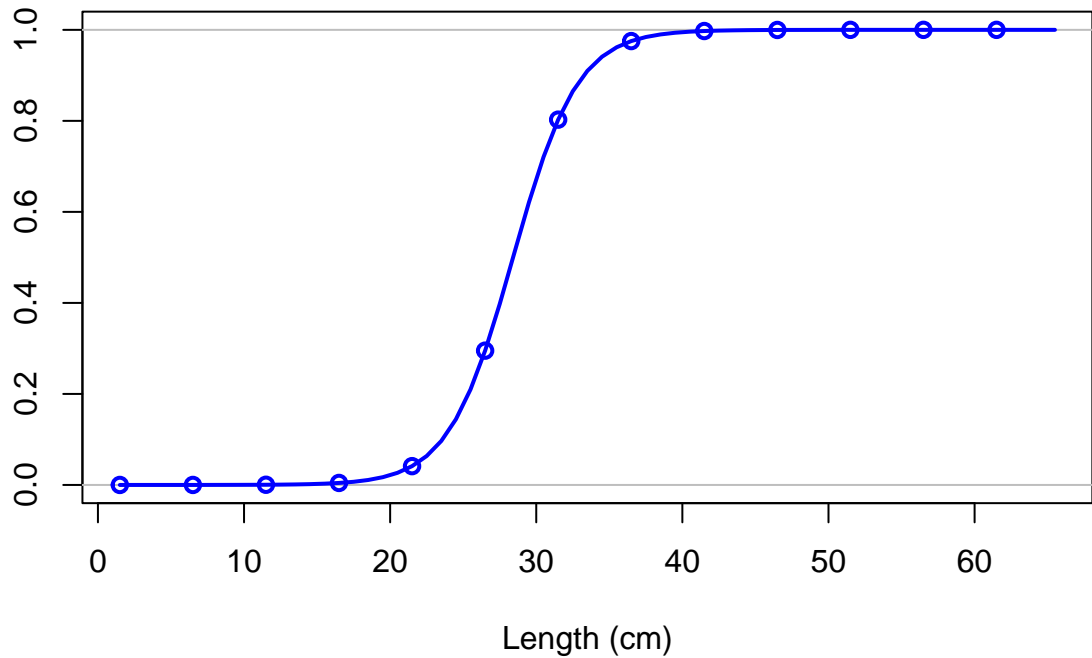


Spawning output

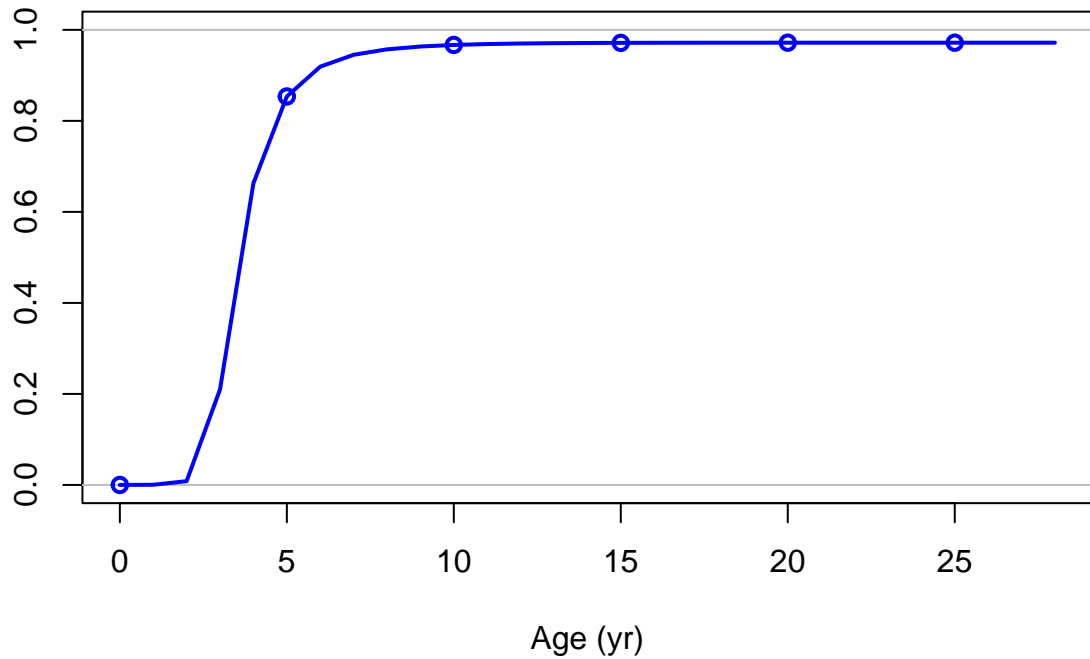




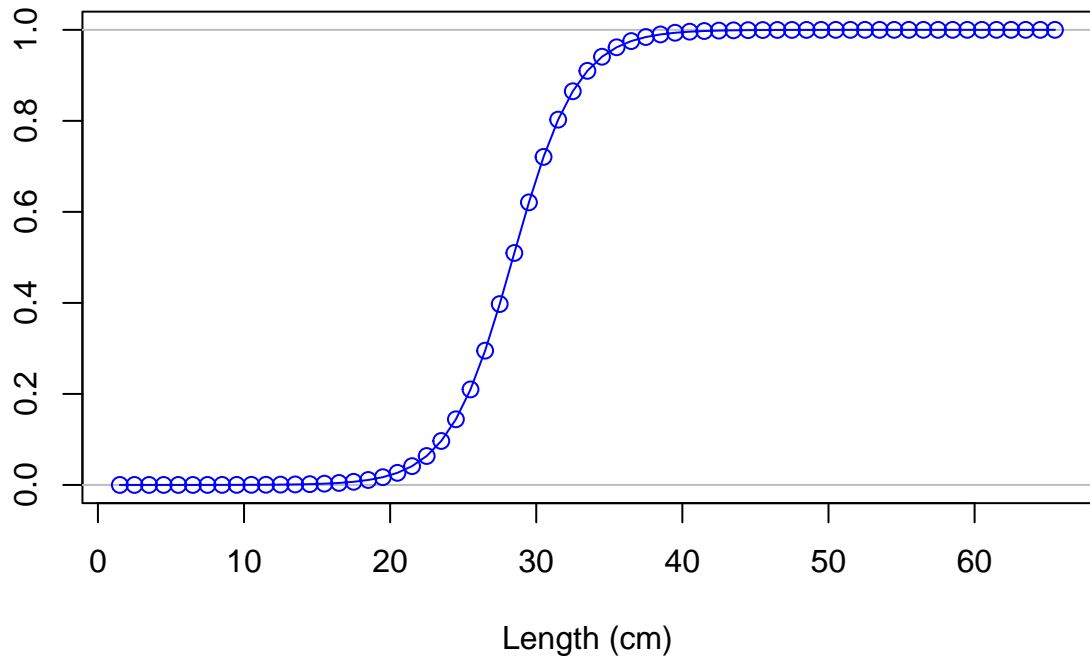
Selectivity

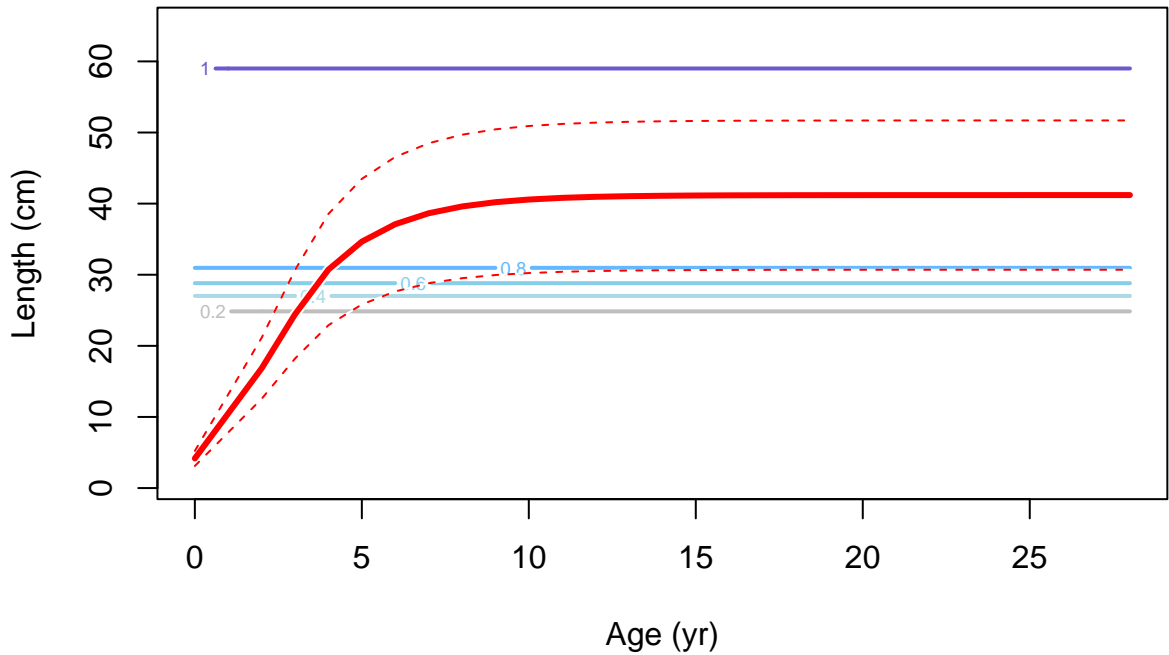


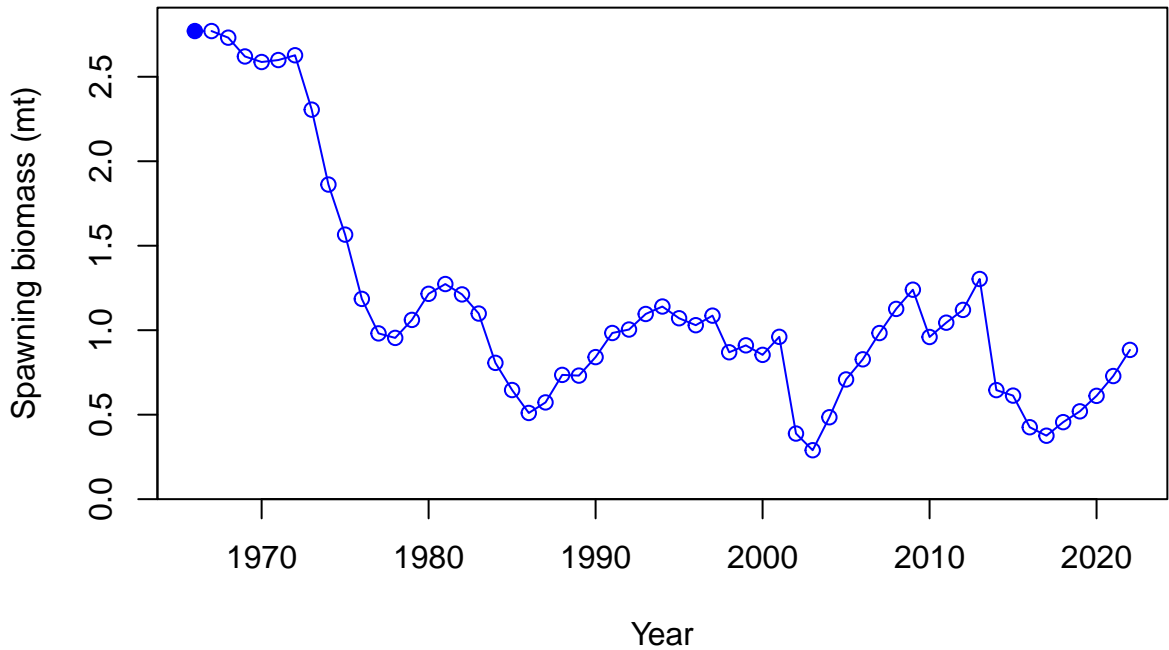
Selectivity



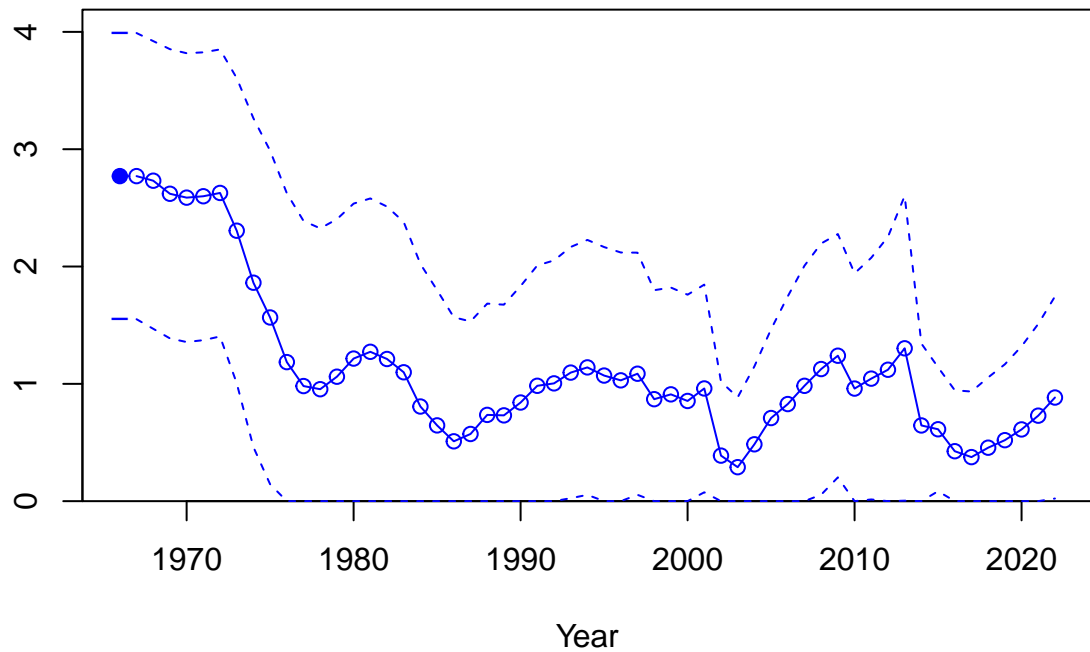
Selectivity



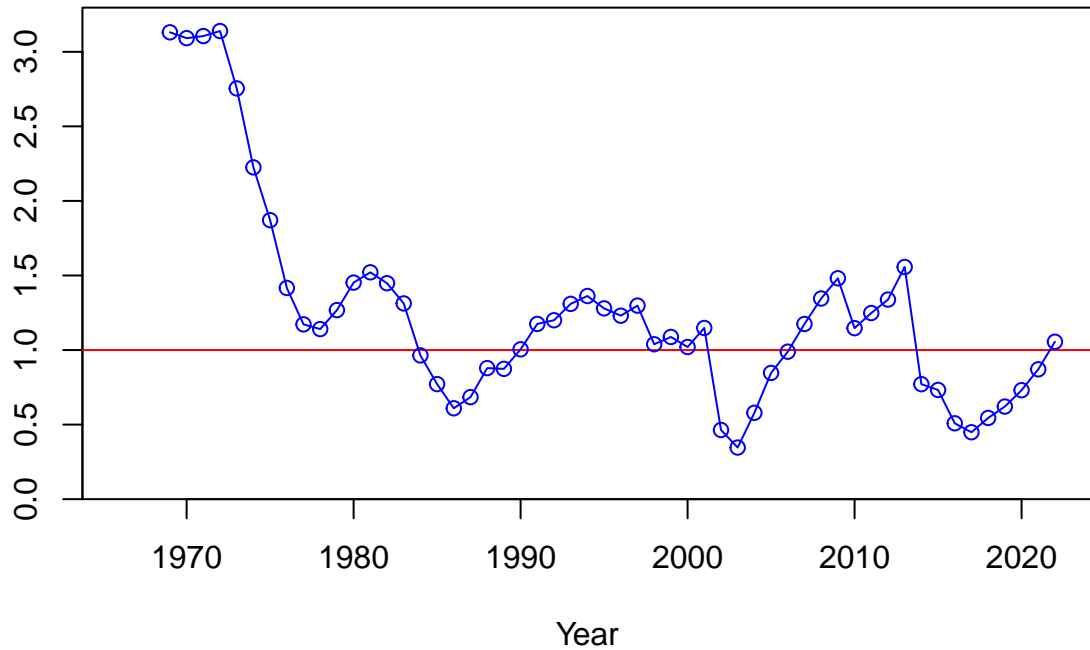




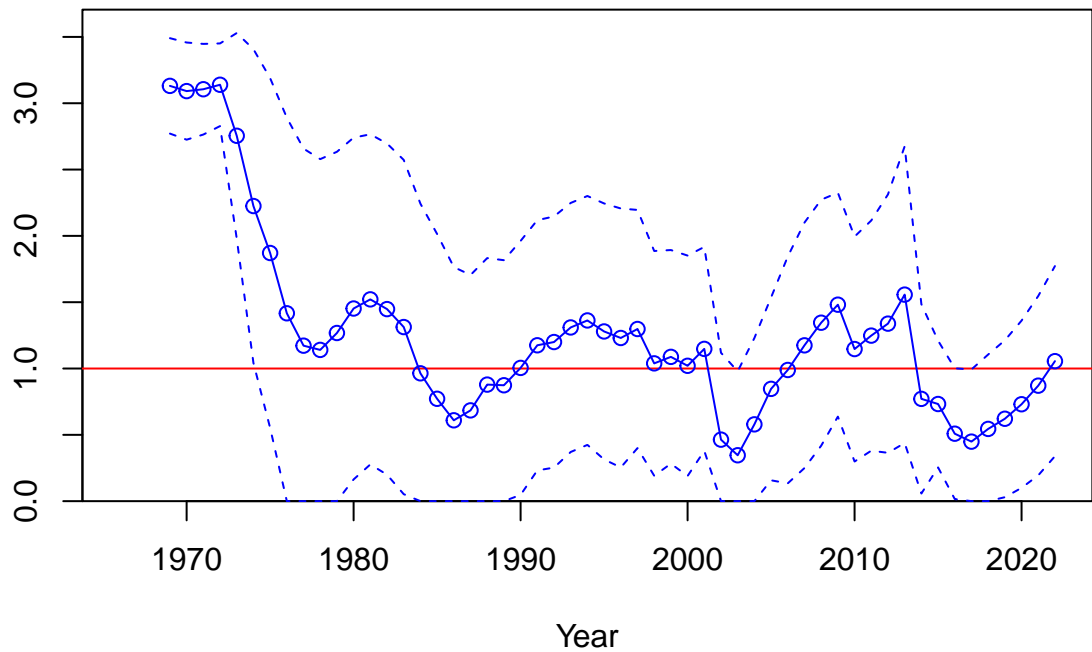
Spawning biomass (mt)

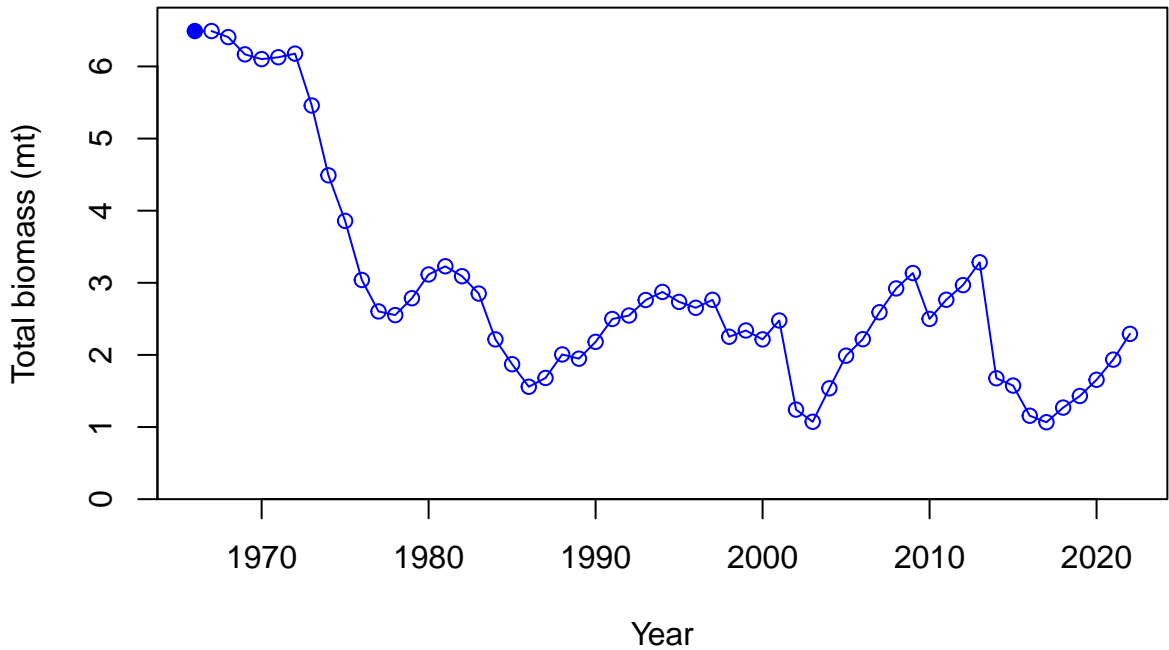


Relative spawning biomass: B/B_{MSY}

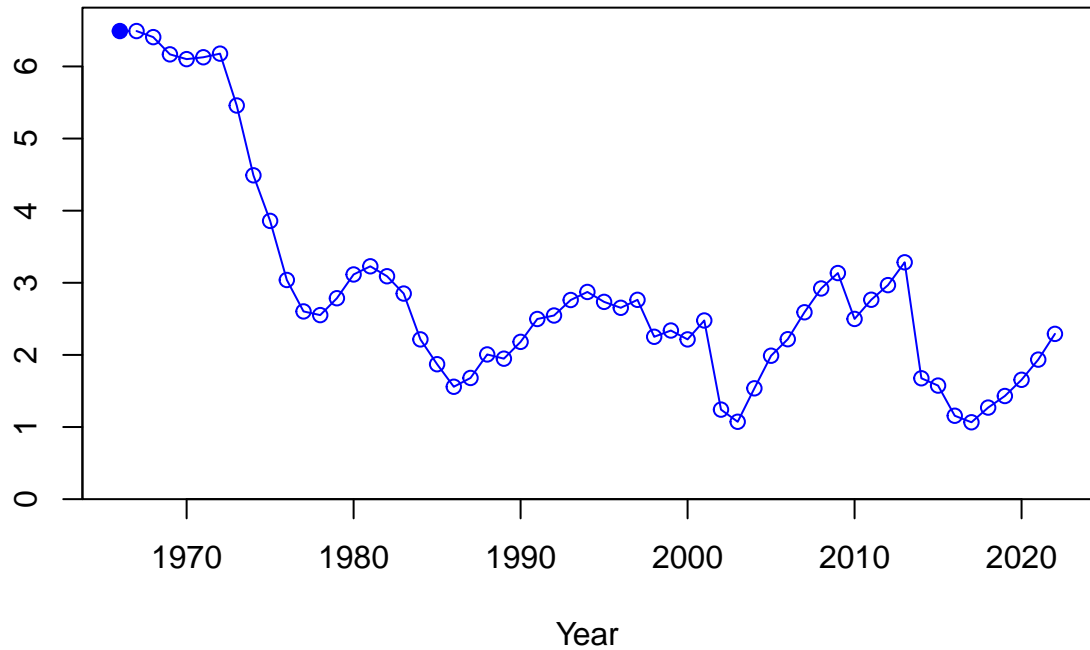


Relative spawning biomass: B/B_{MSY}

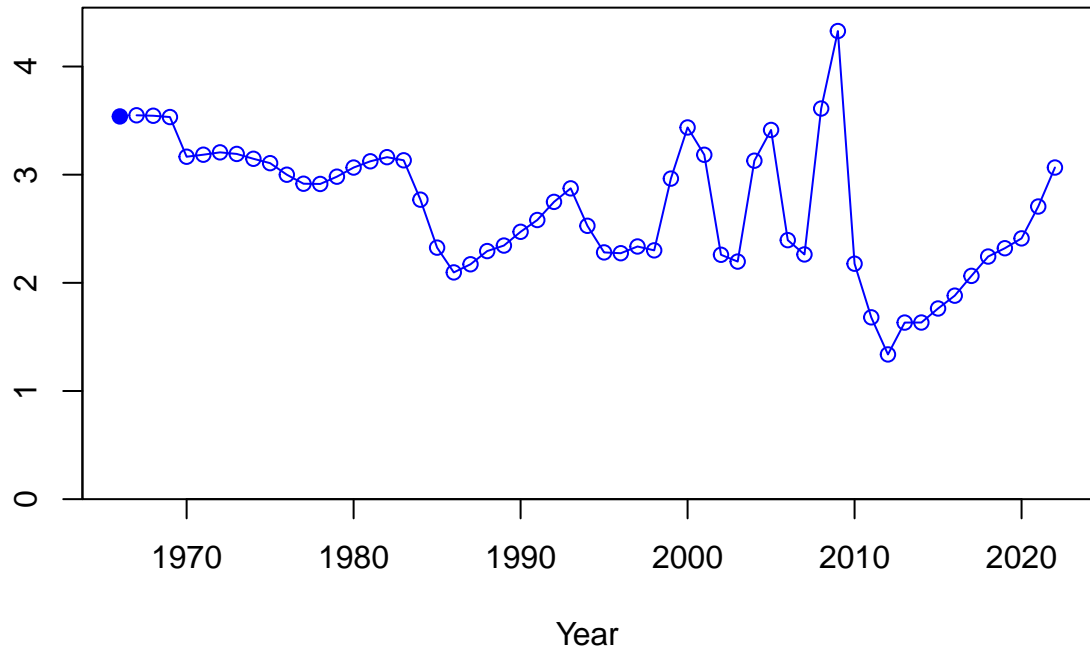


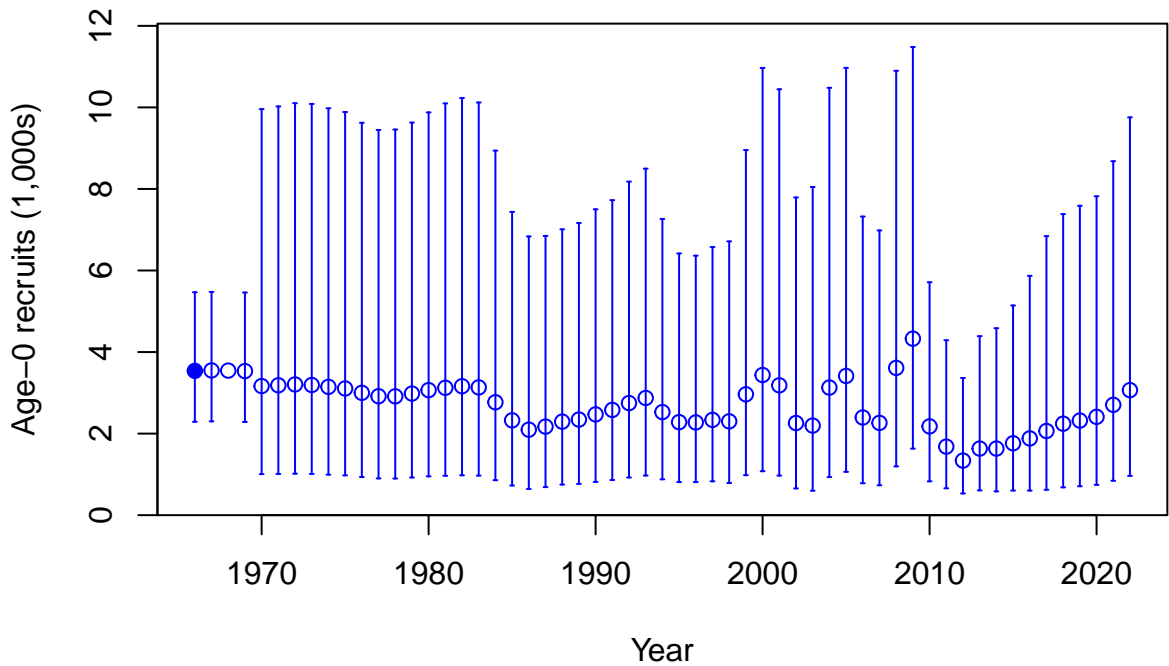


Summary biomass (mt)

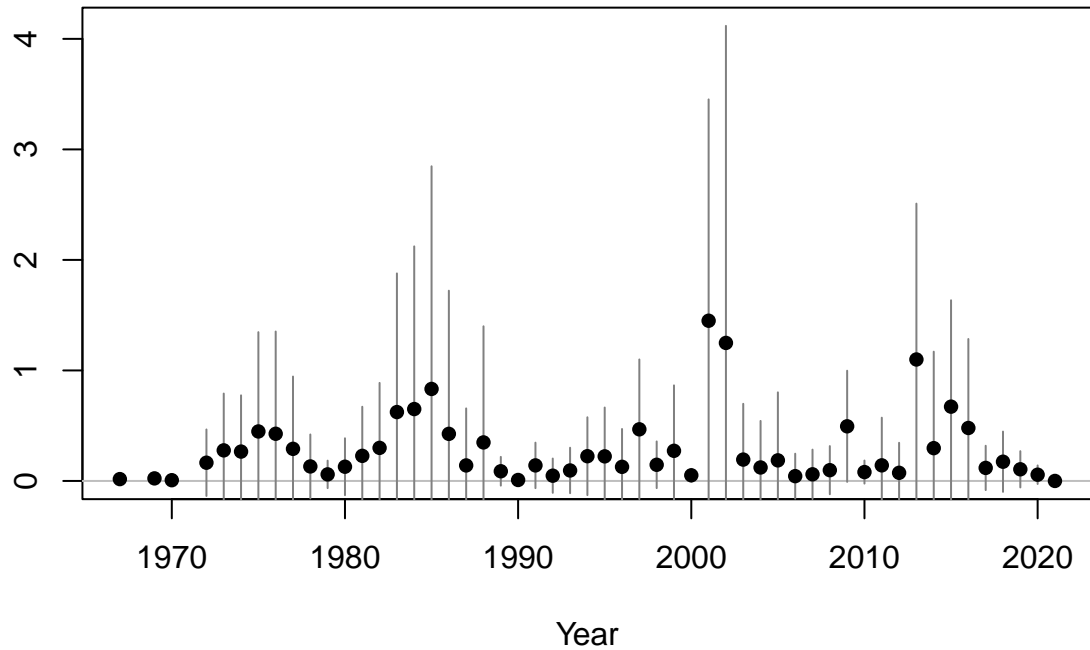


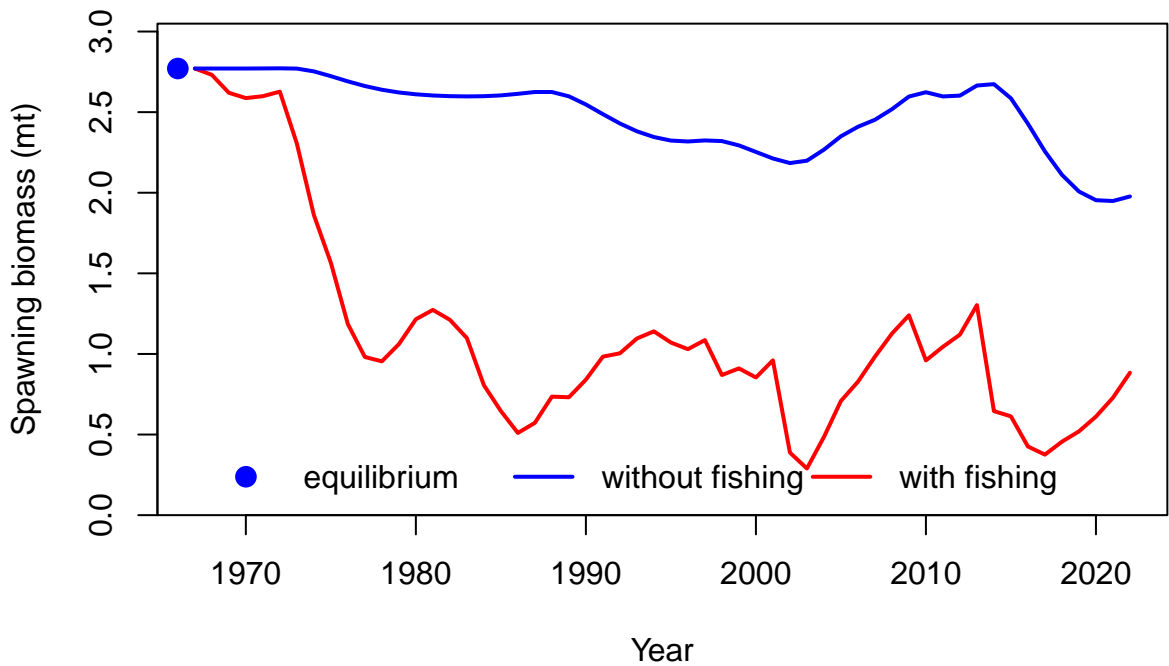
Age-0 recruits (1,000s)



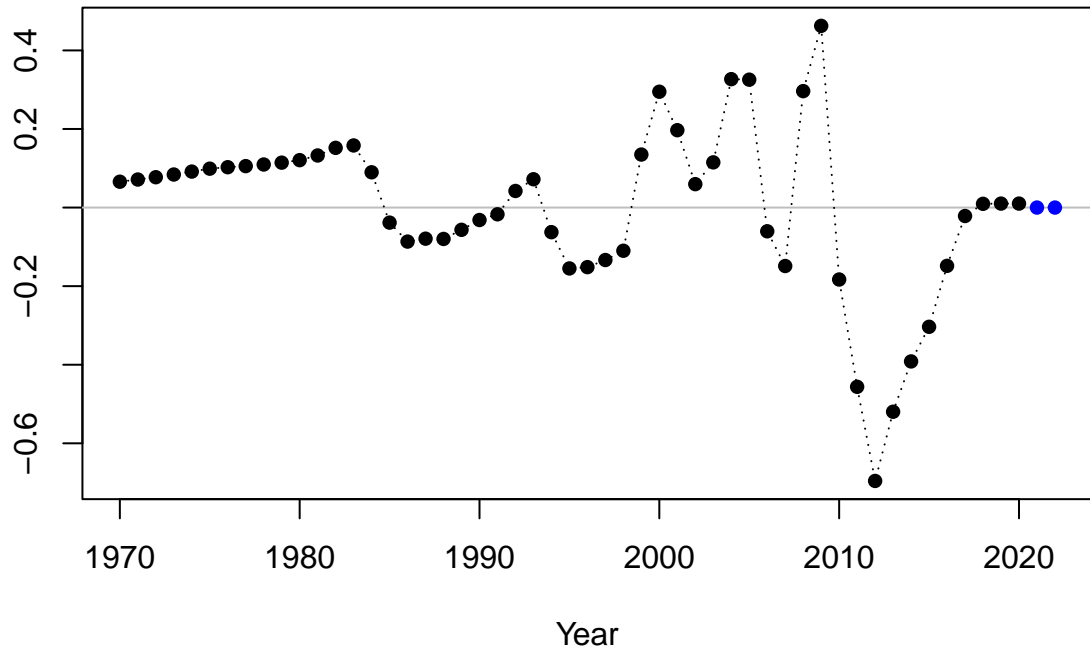


Summary Fishing Mortality

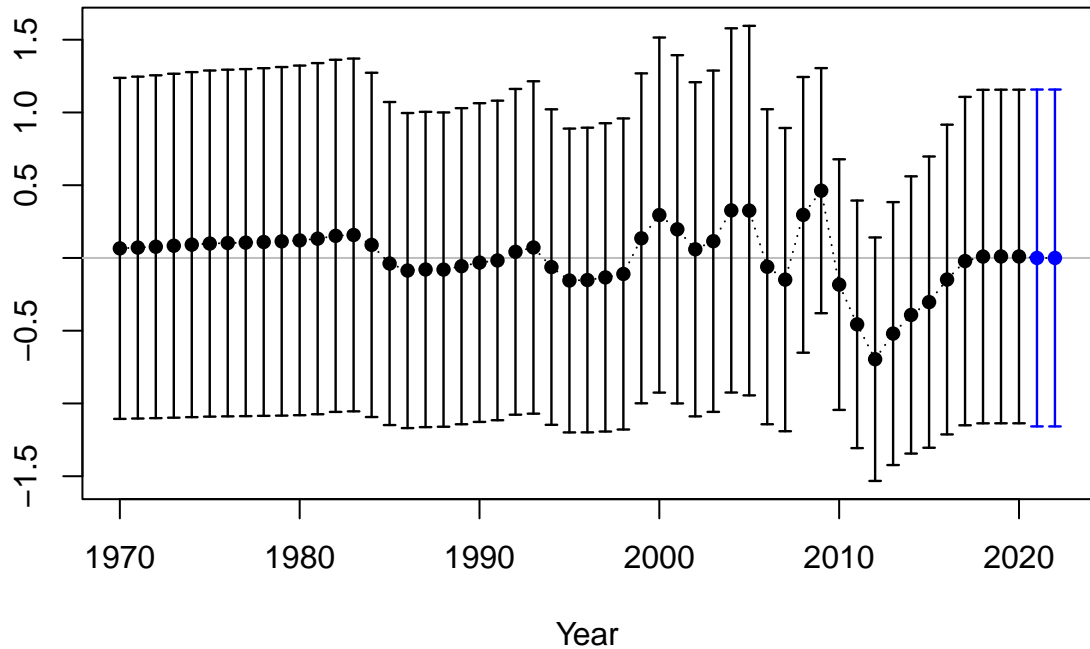




Log recruitment deviation

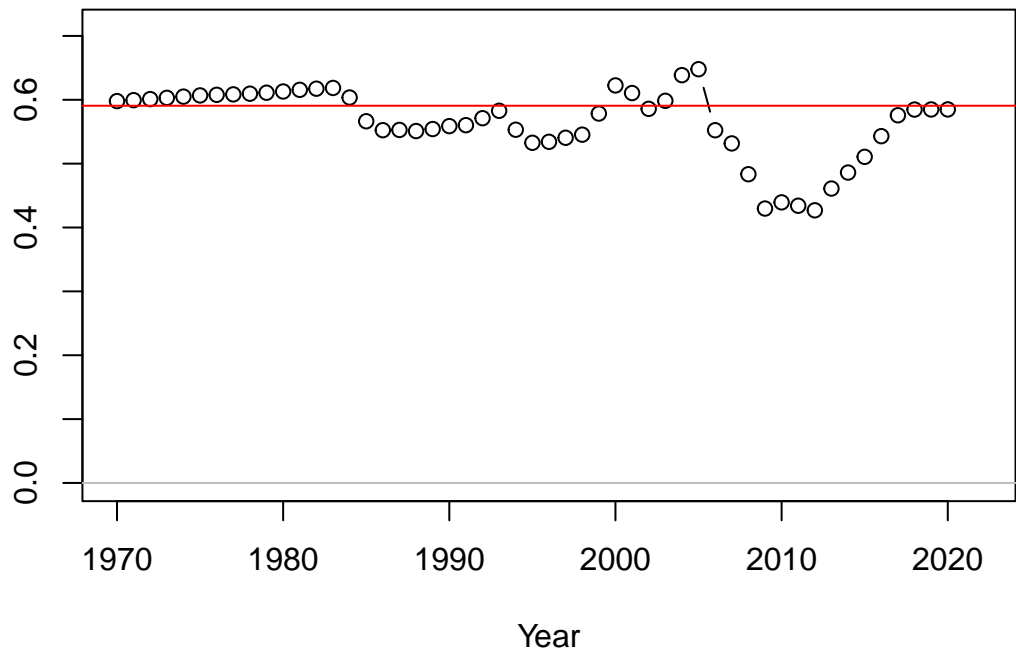


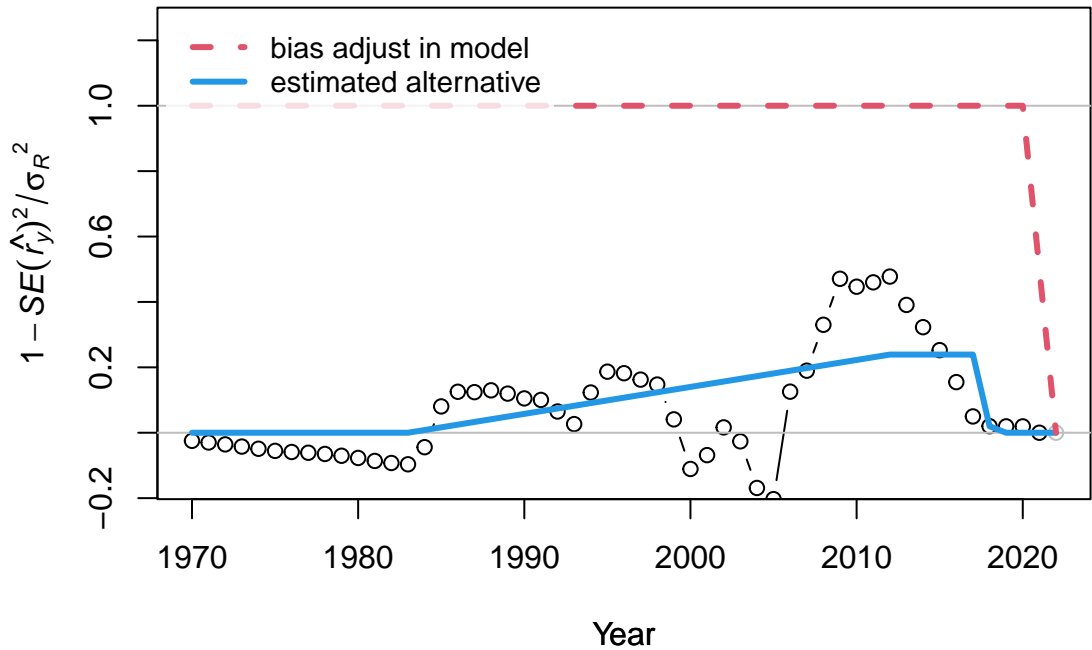
Log recruitment deviation

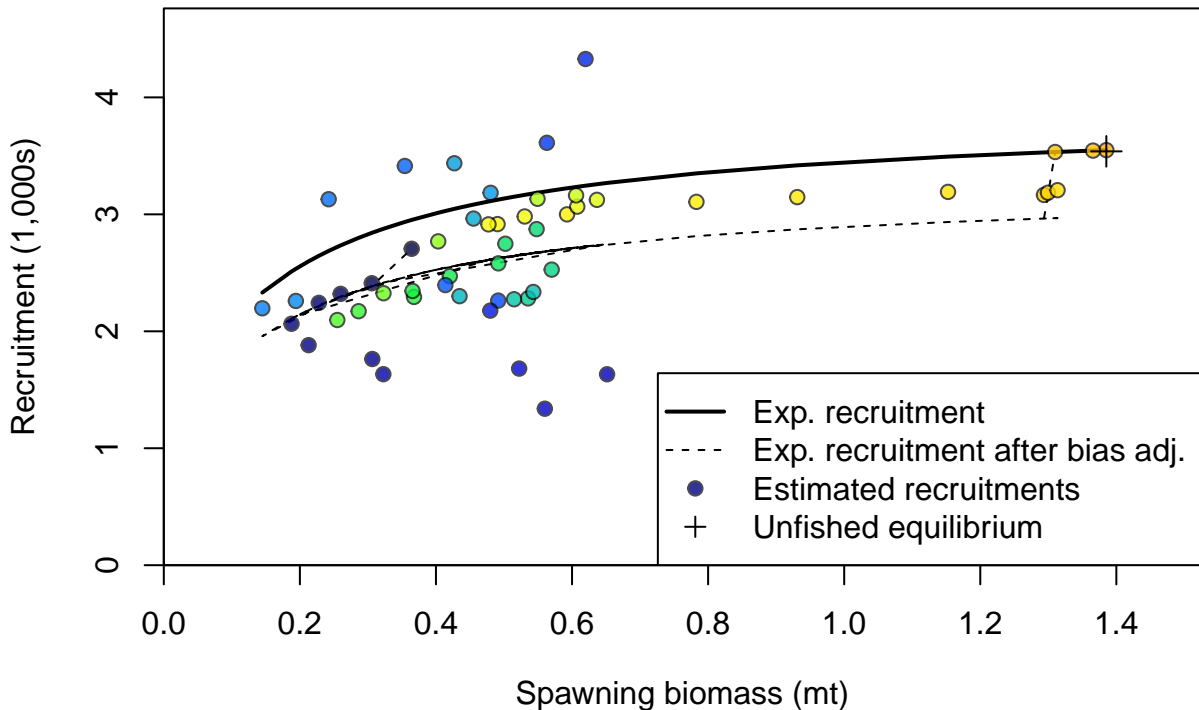


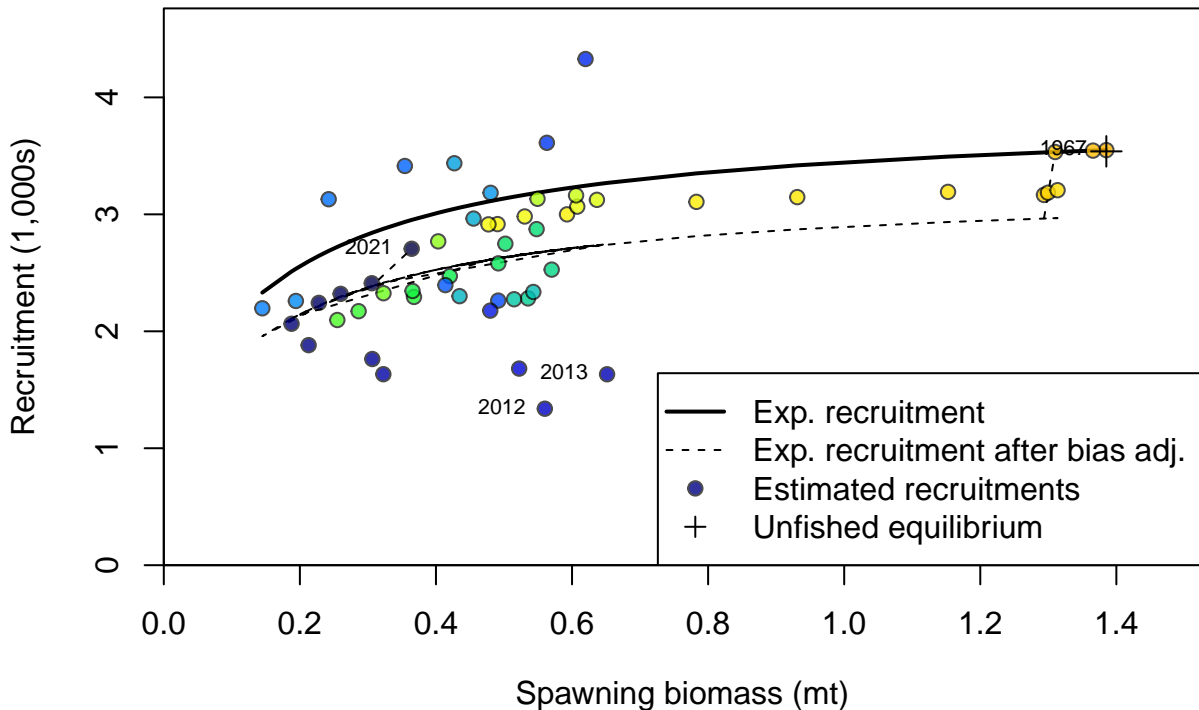
Recruitment deviation variance

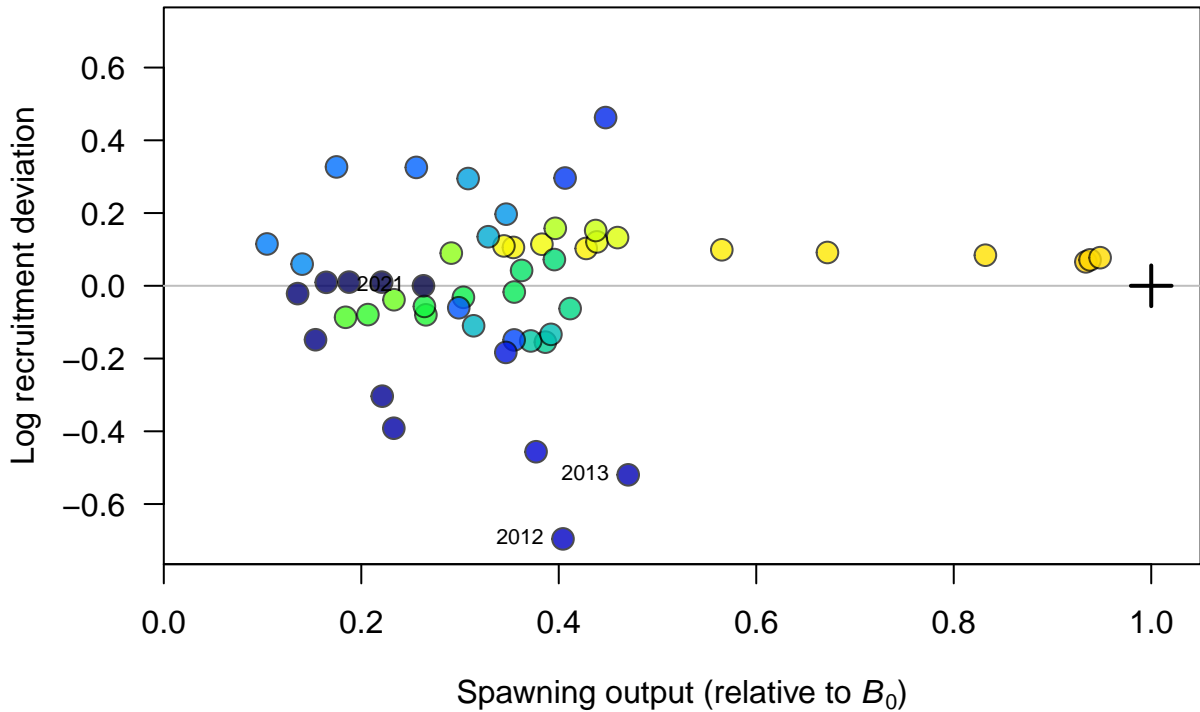
Asymptotic standard error estimate

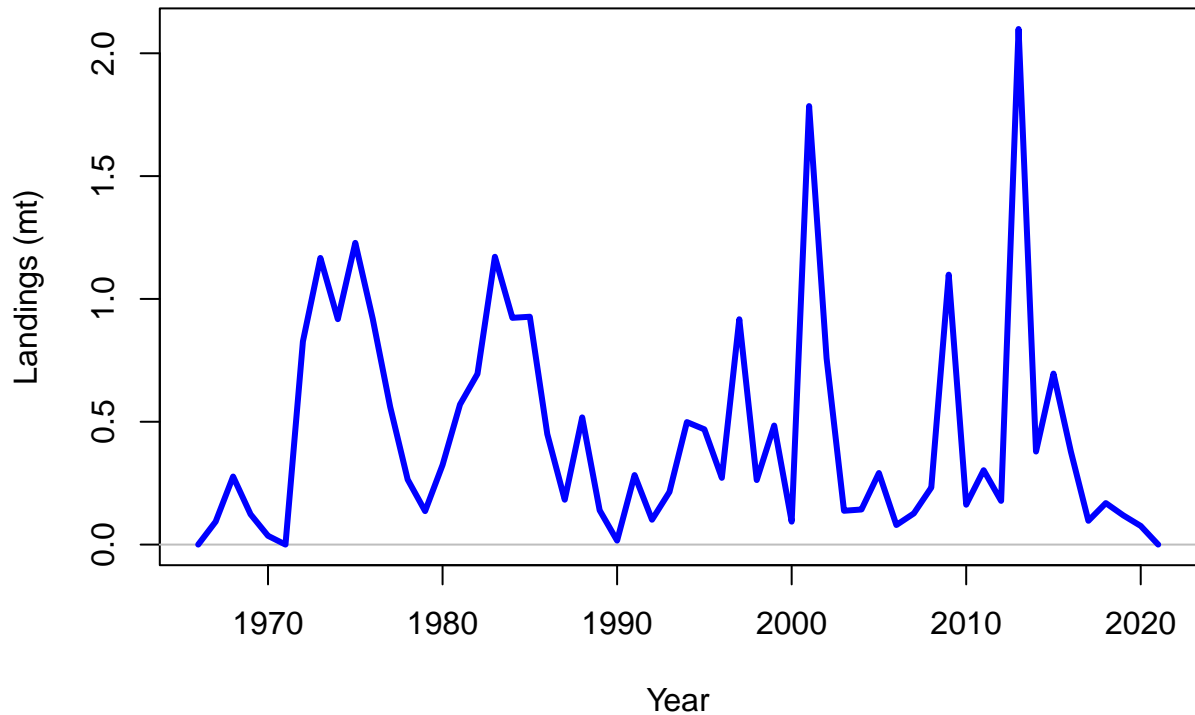


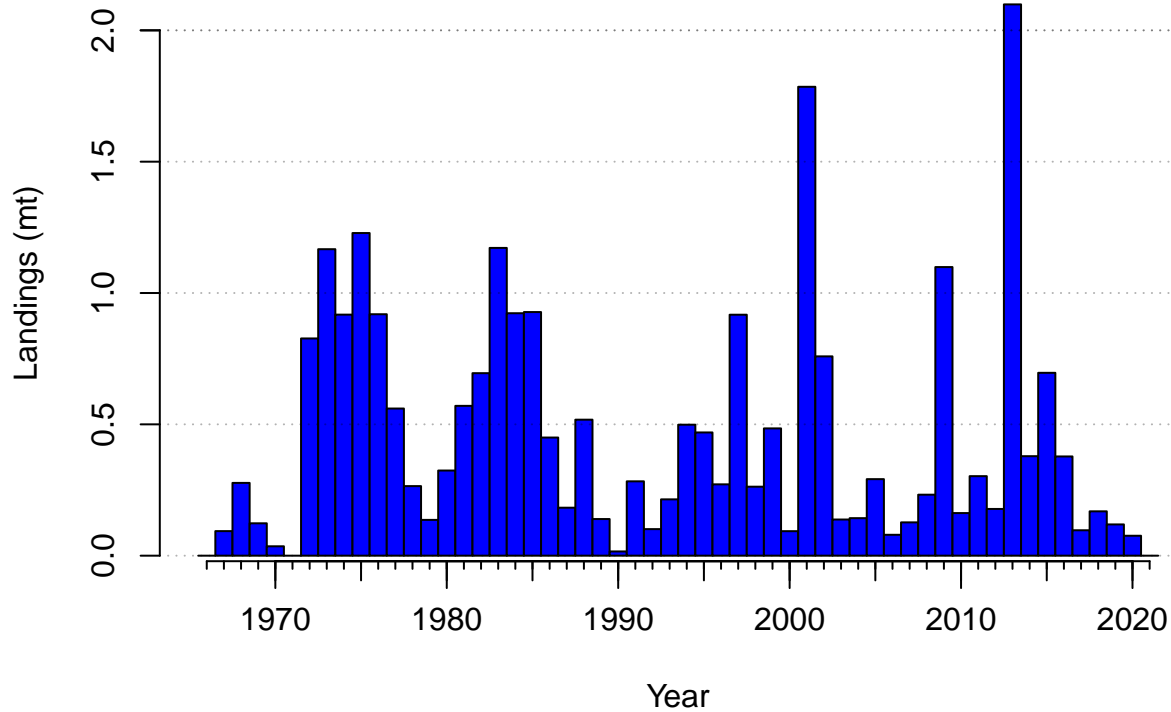


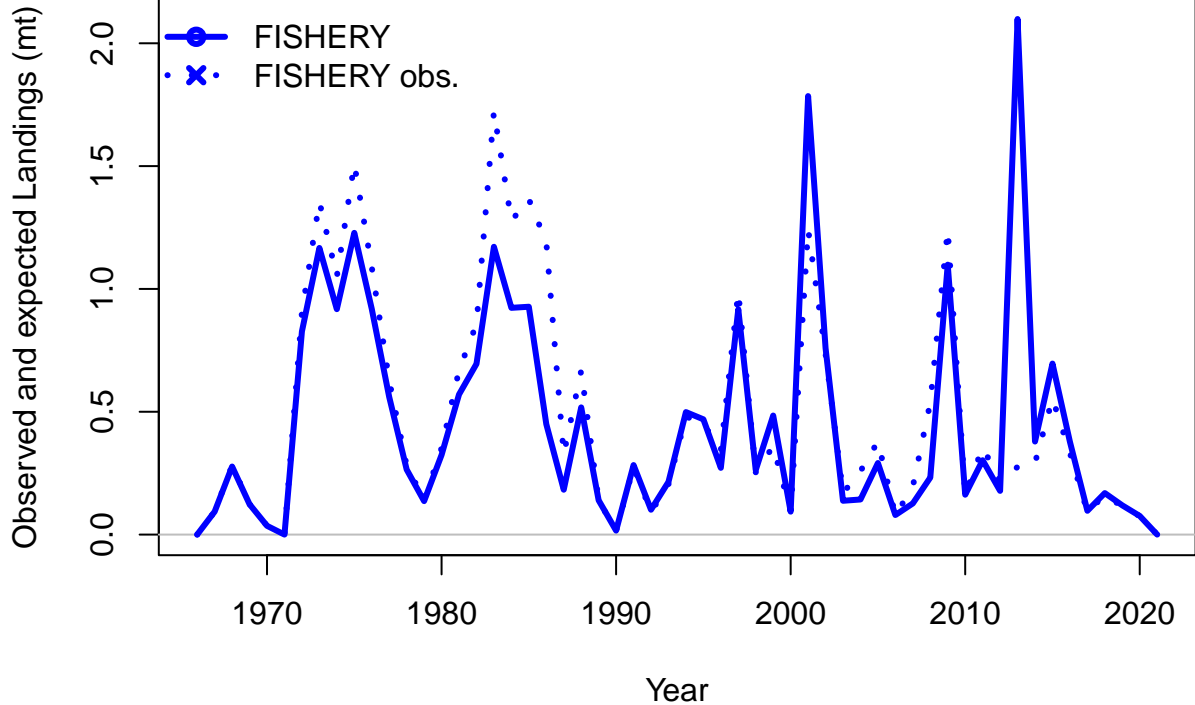


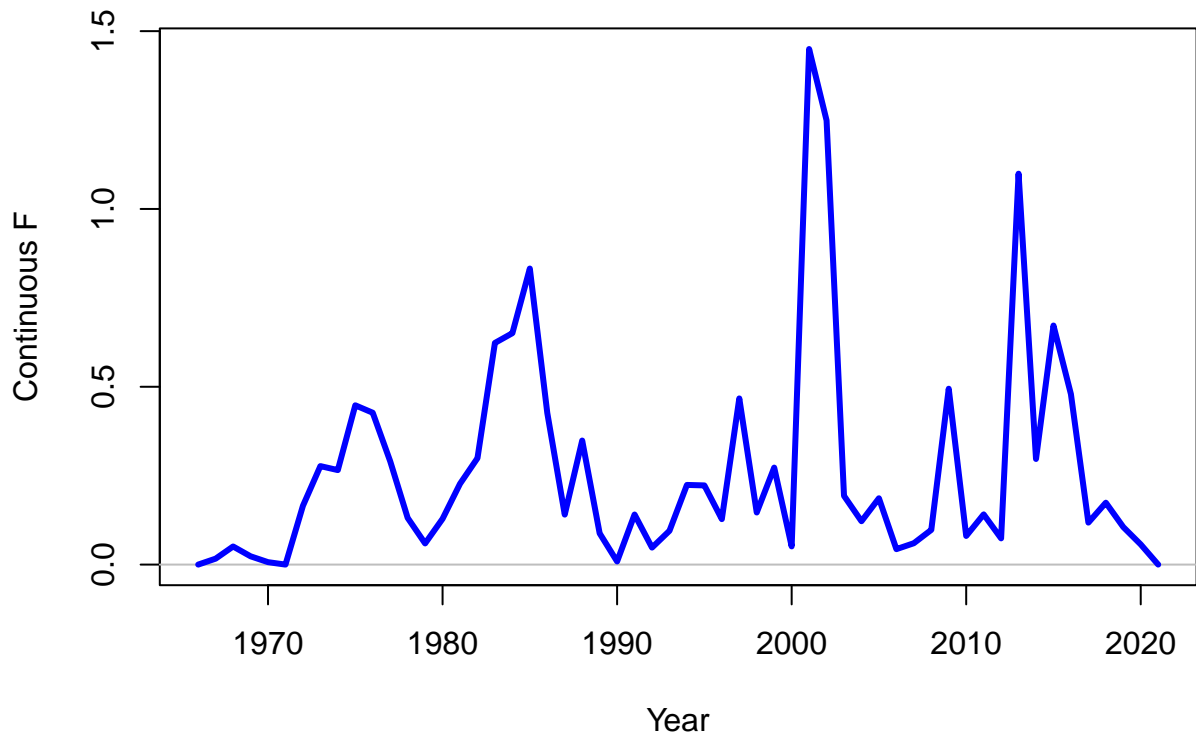




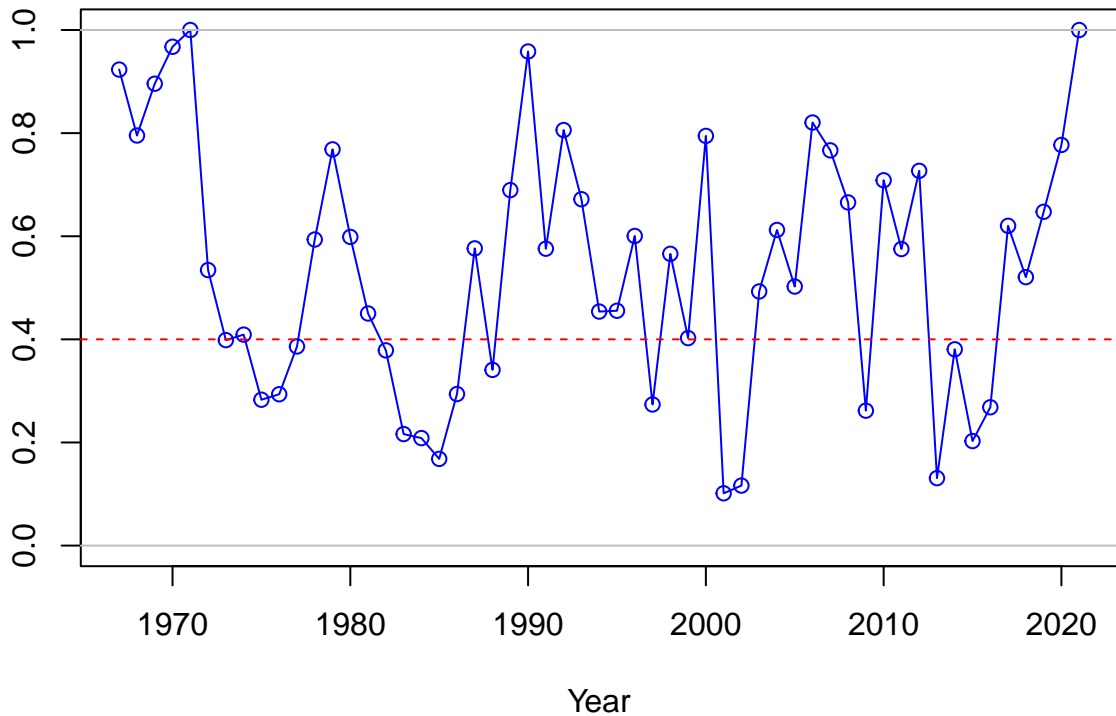


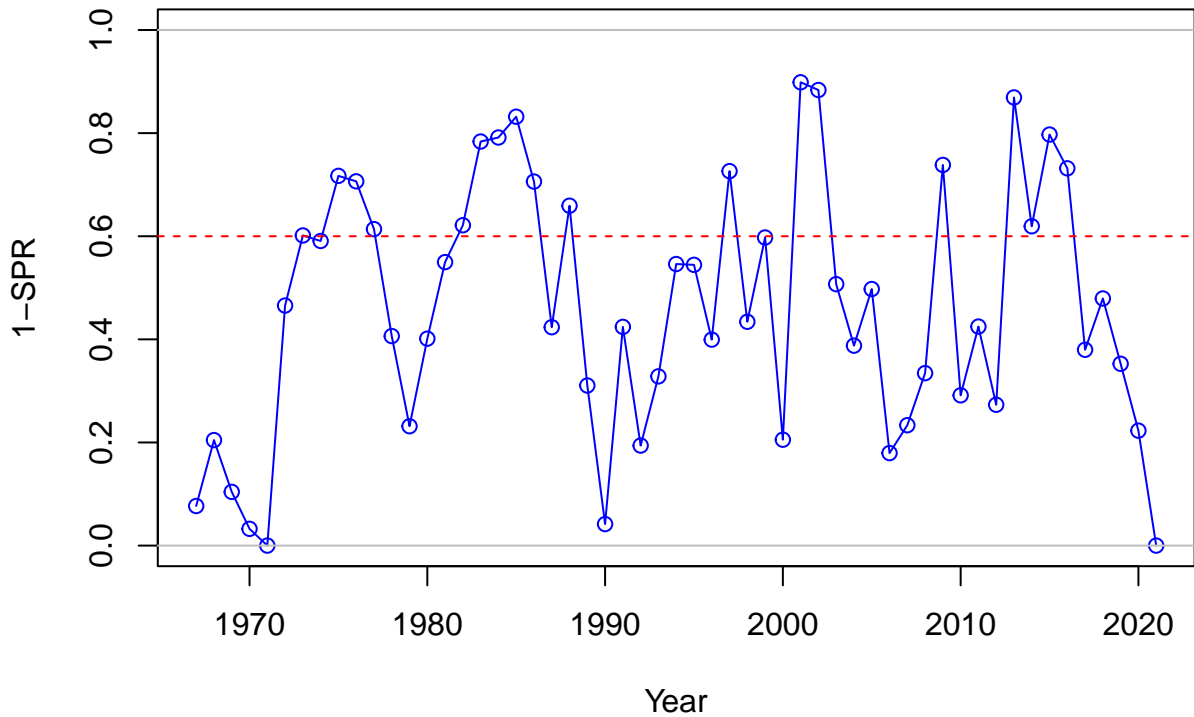




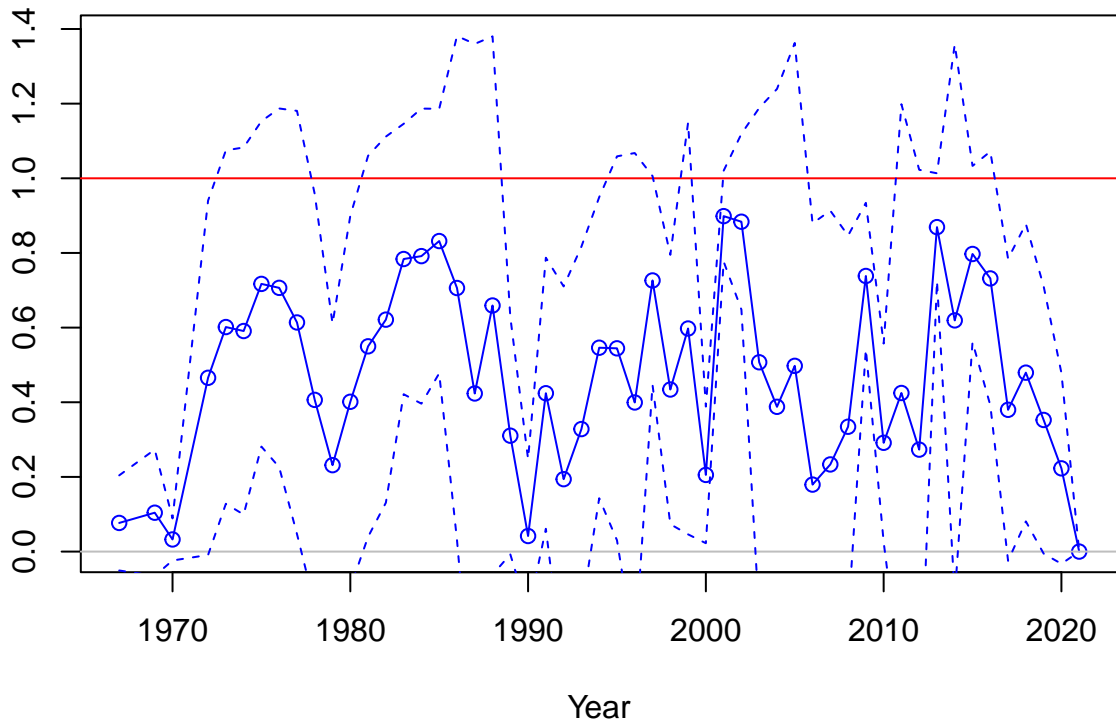


SPR

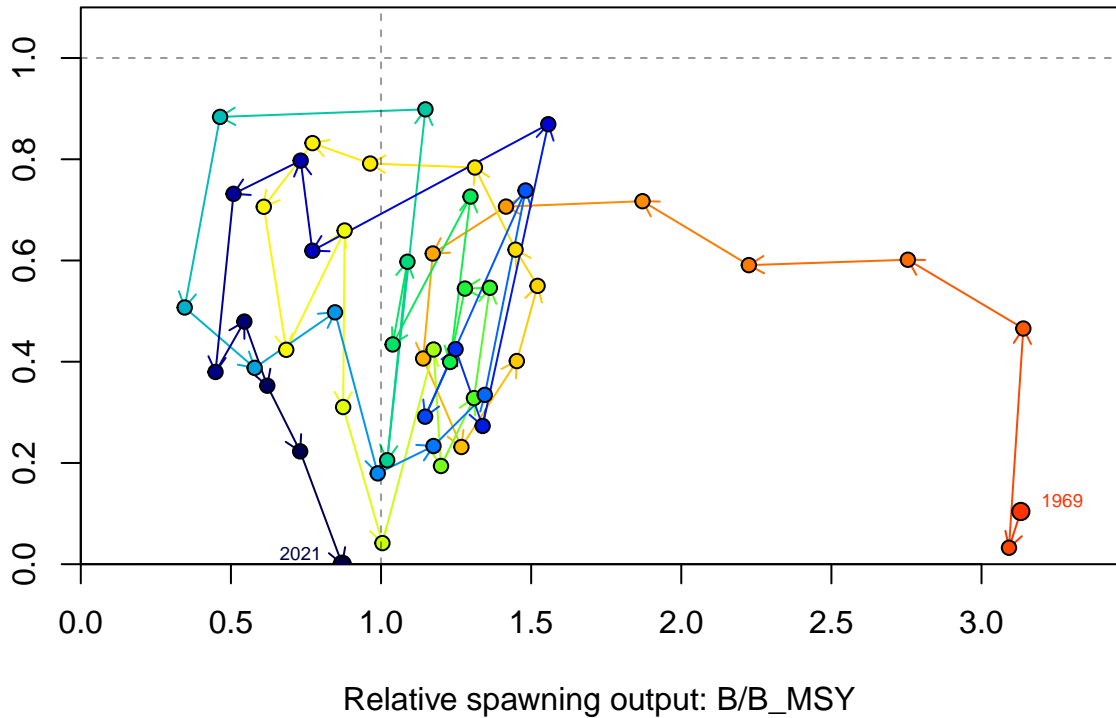


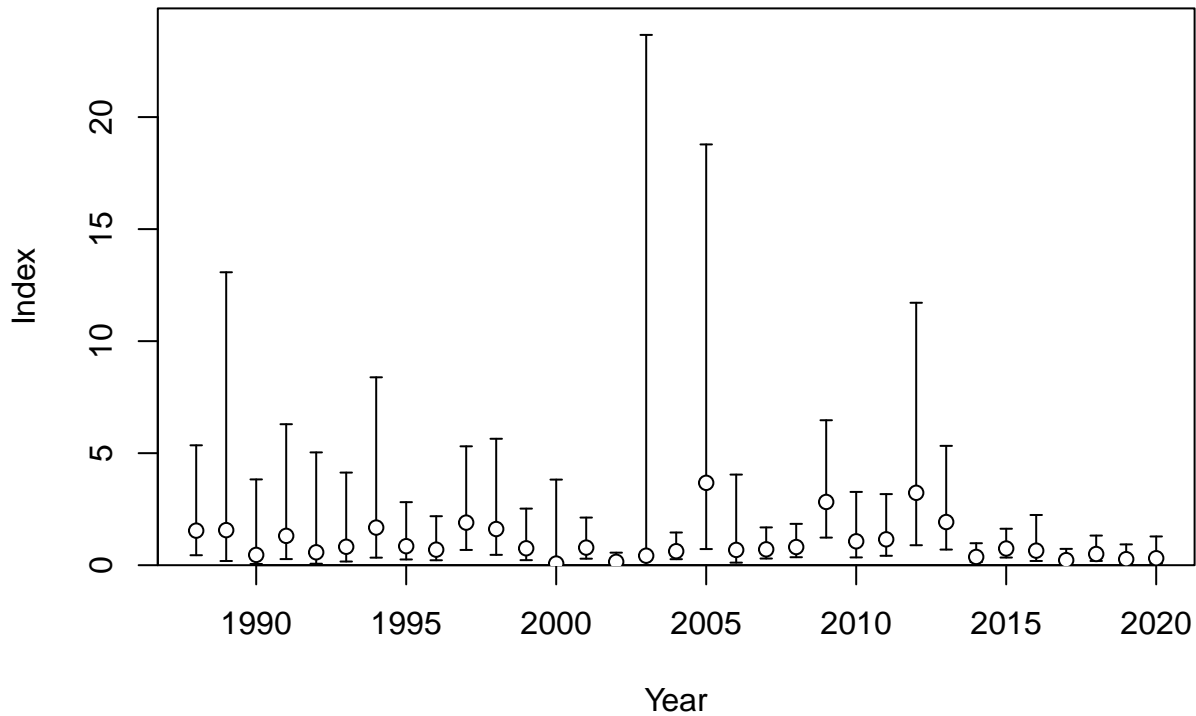


Fishing intensity: 1-SPR

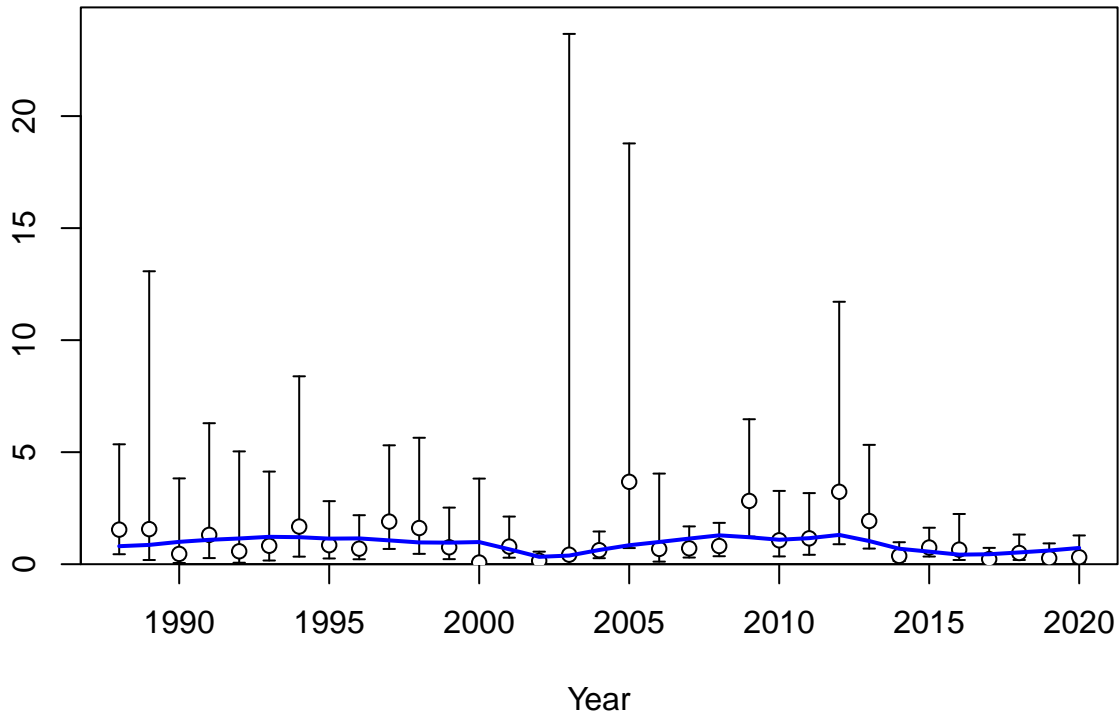


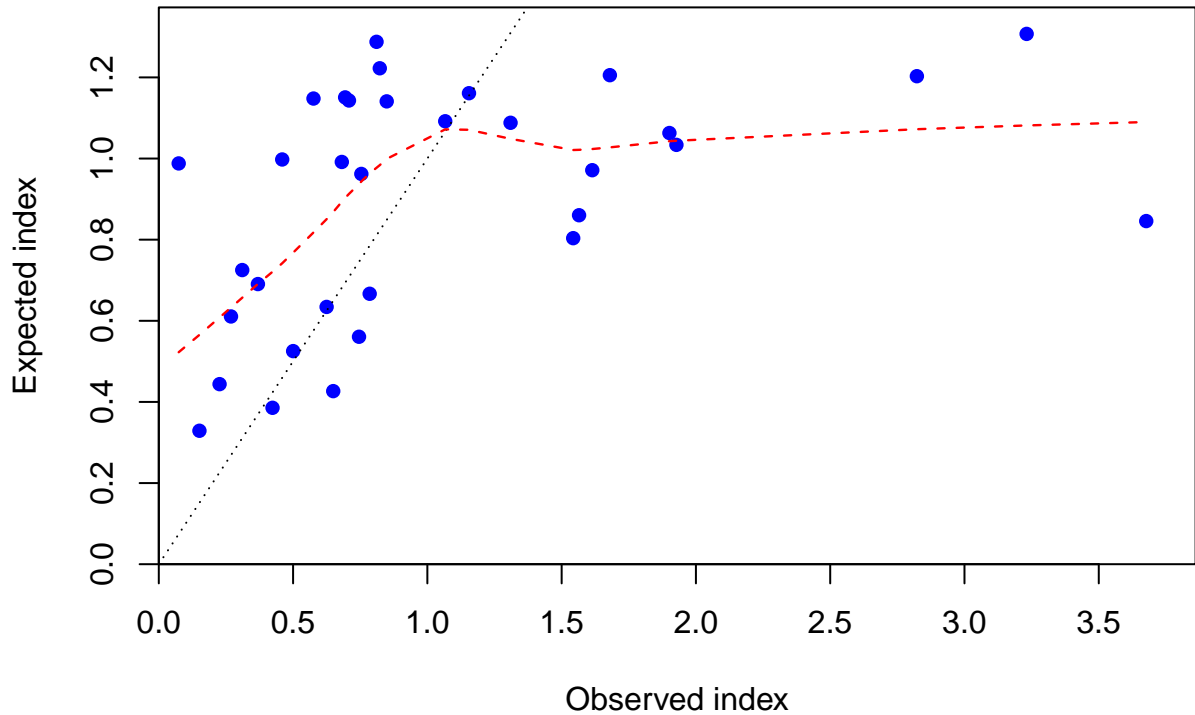
Fishing intensity: 1-SPR

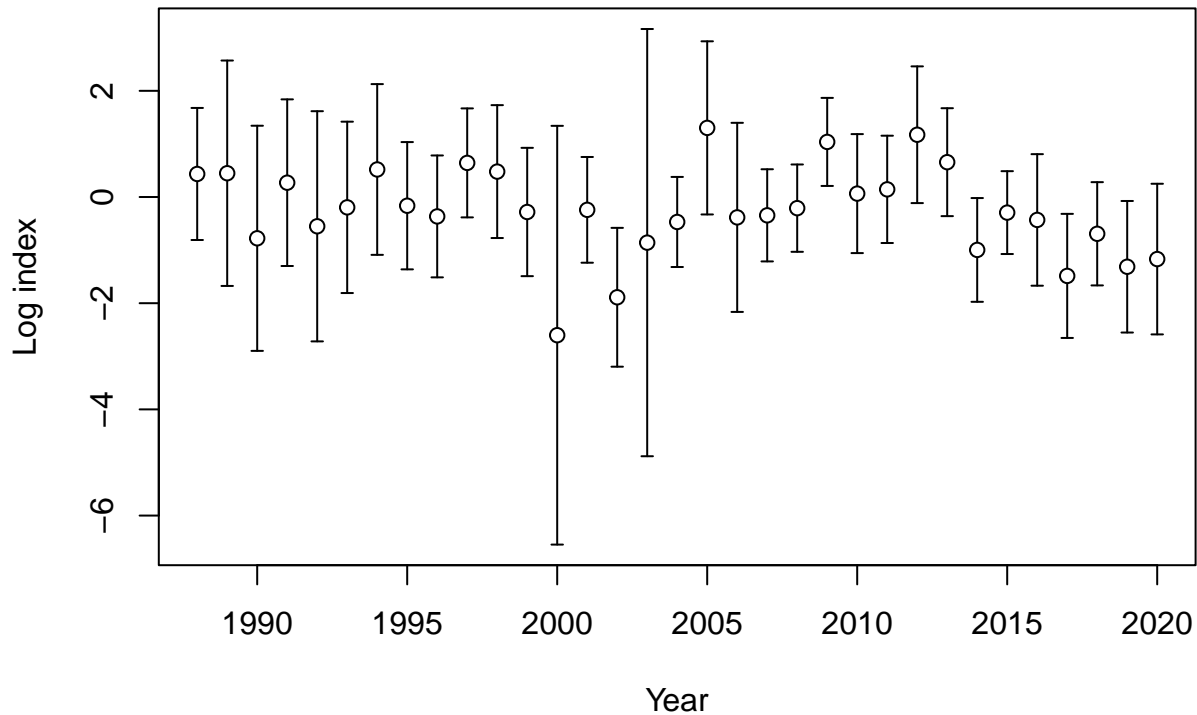


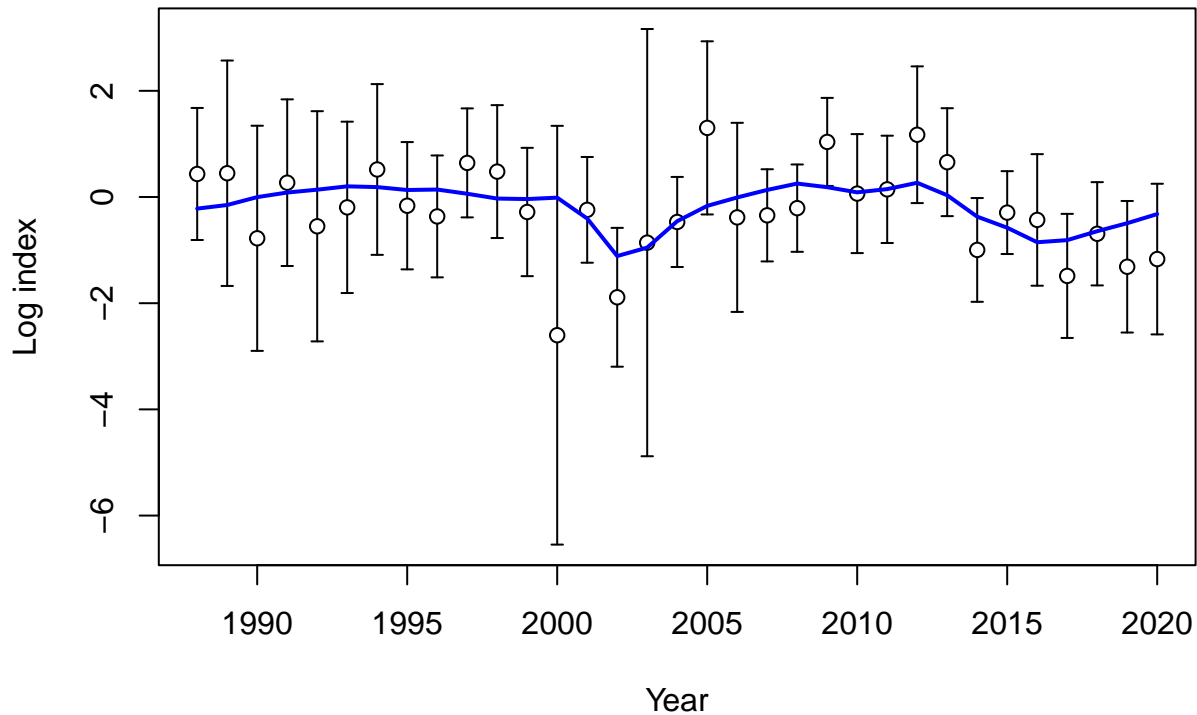


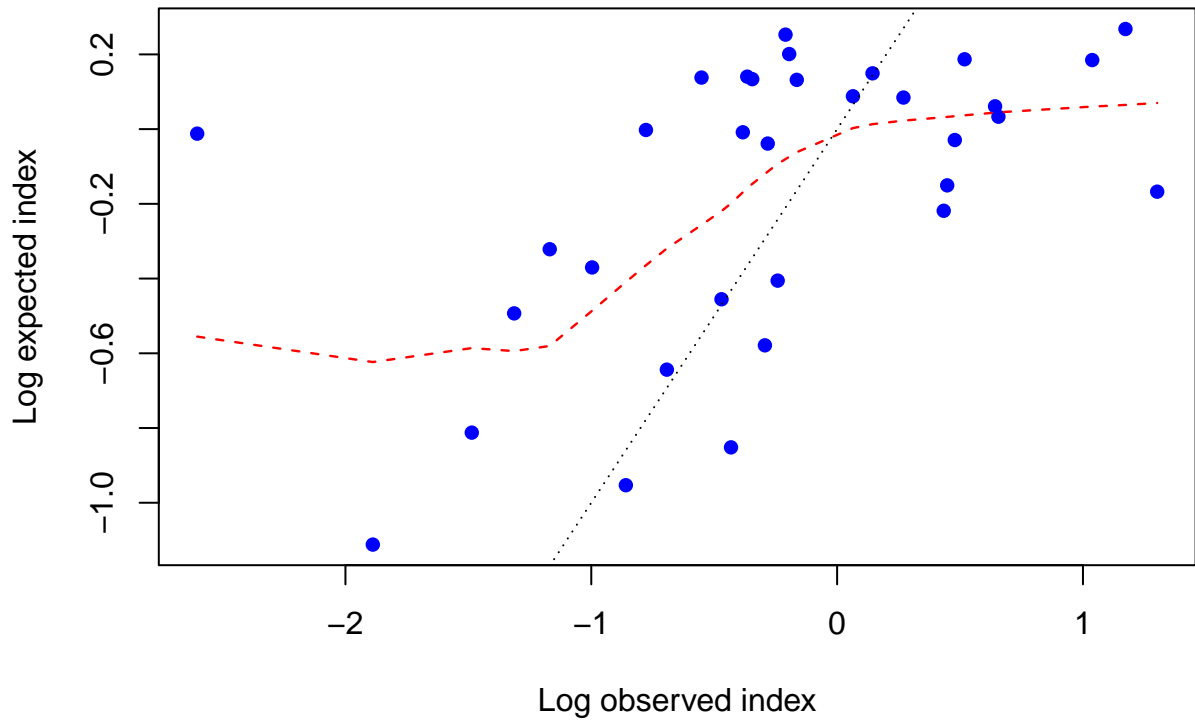
Index

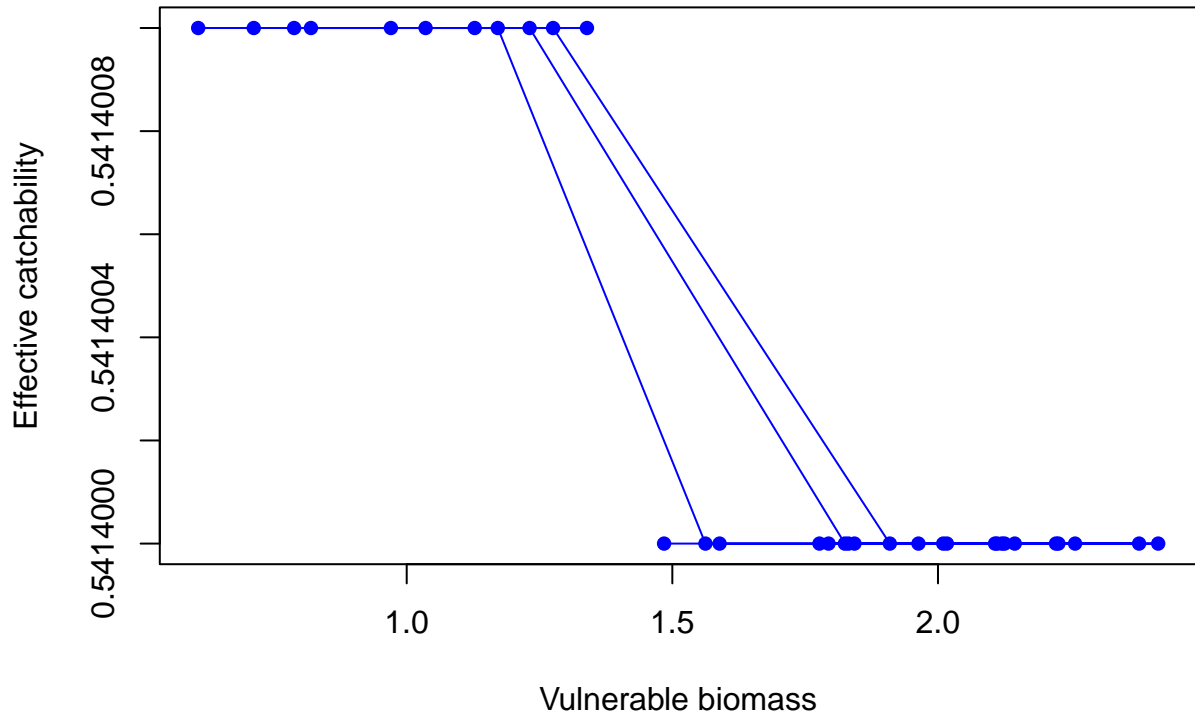


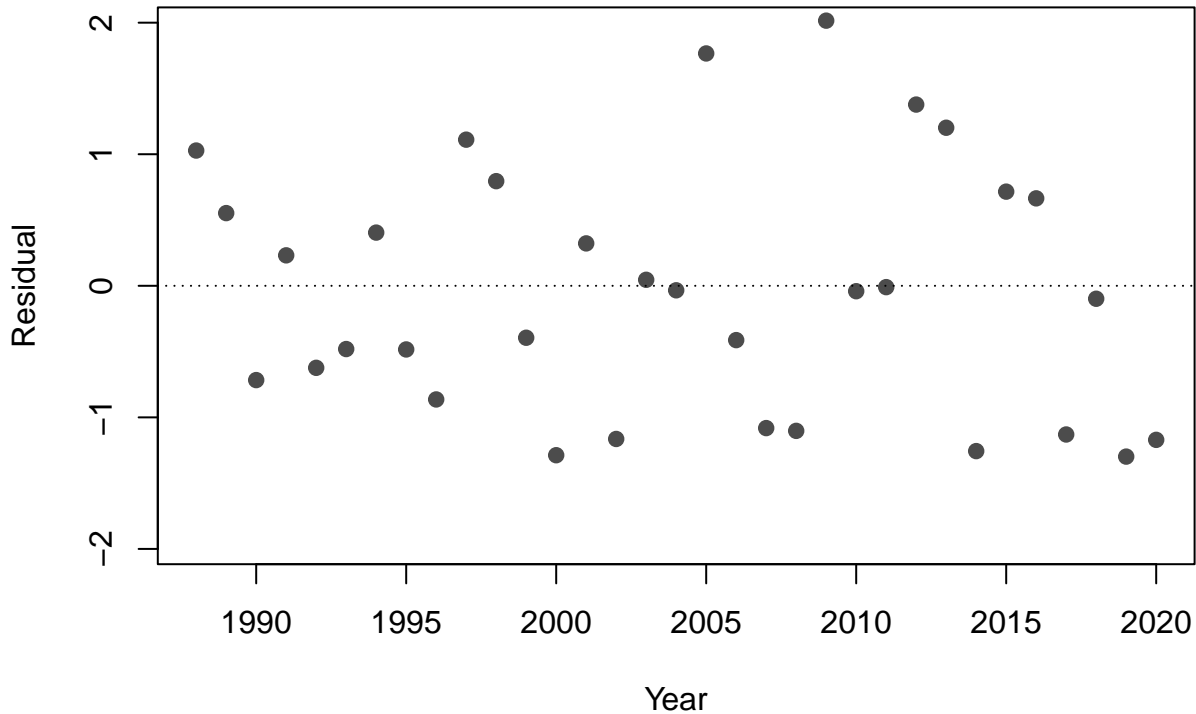


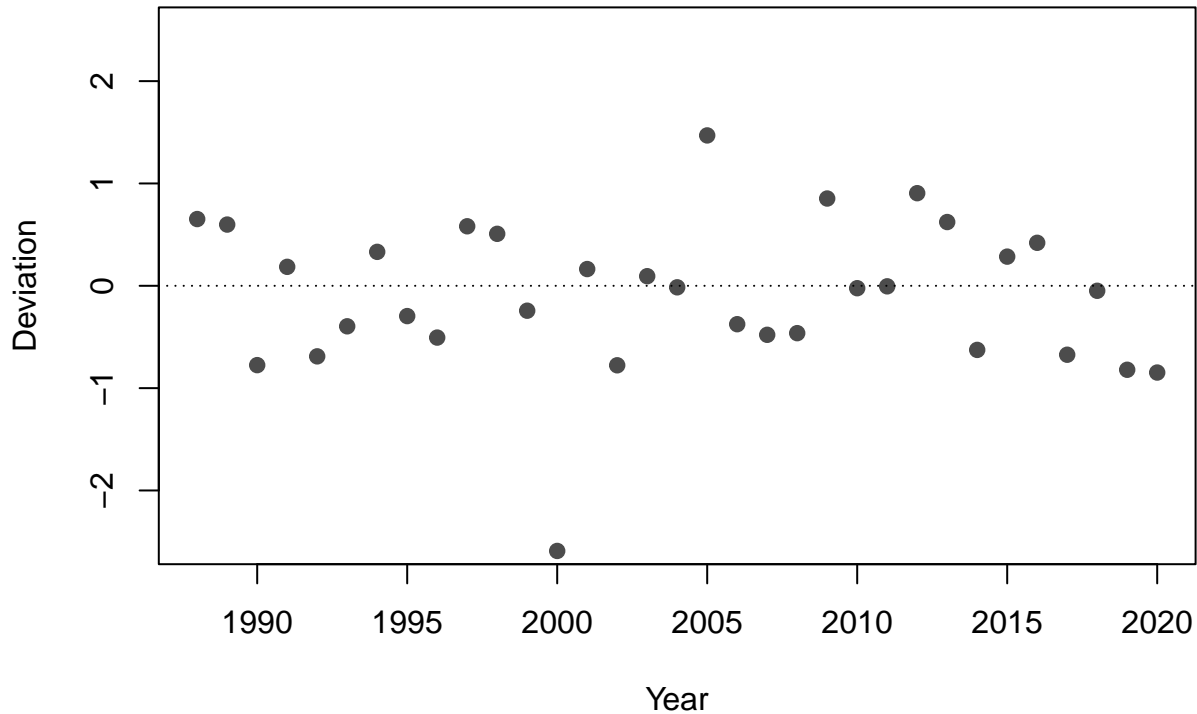


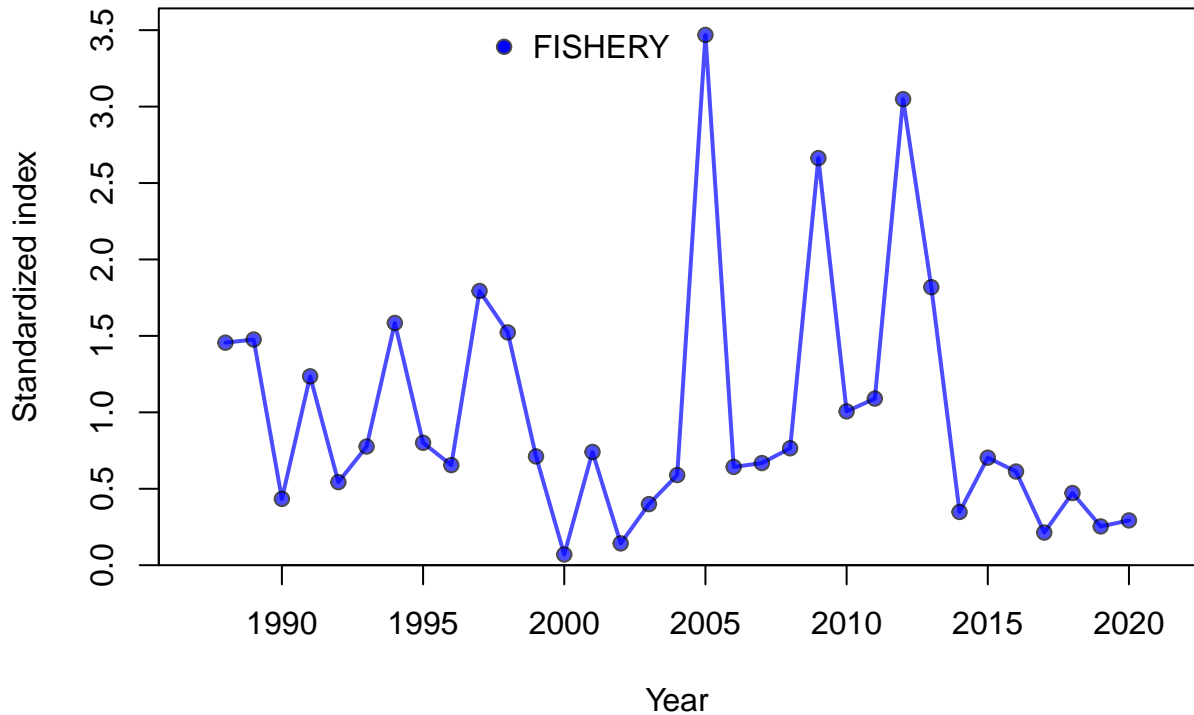


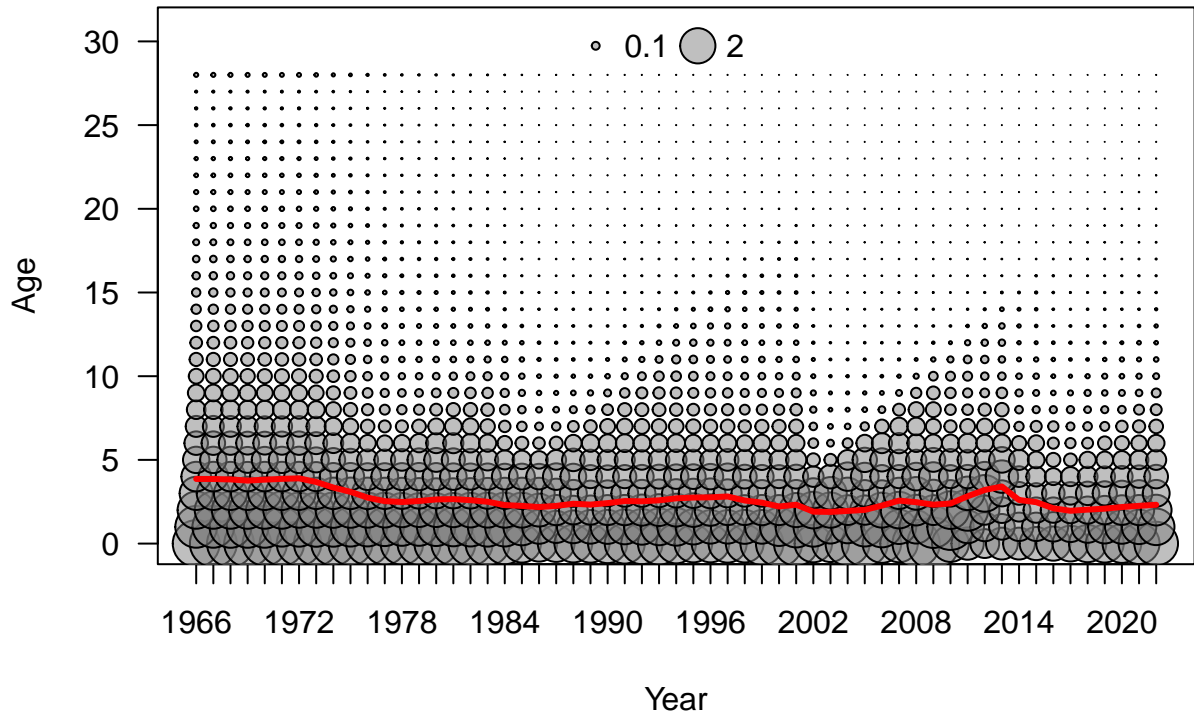


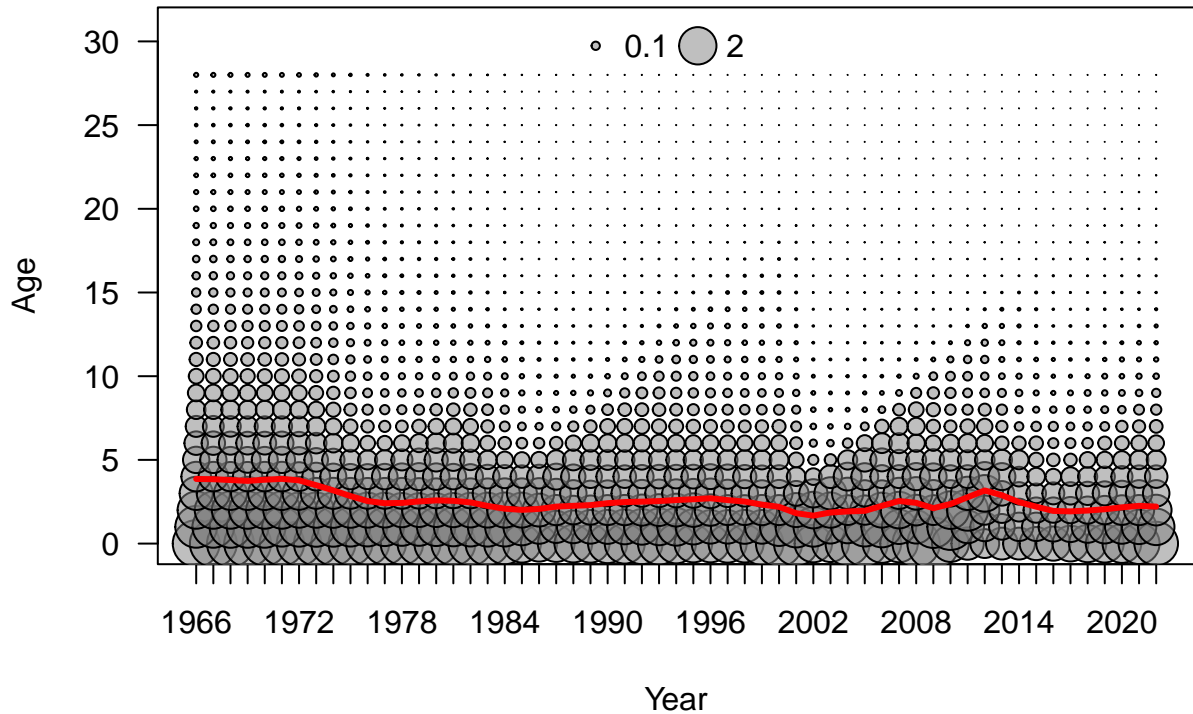












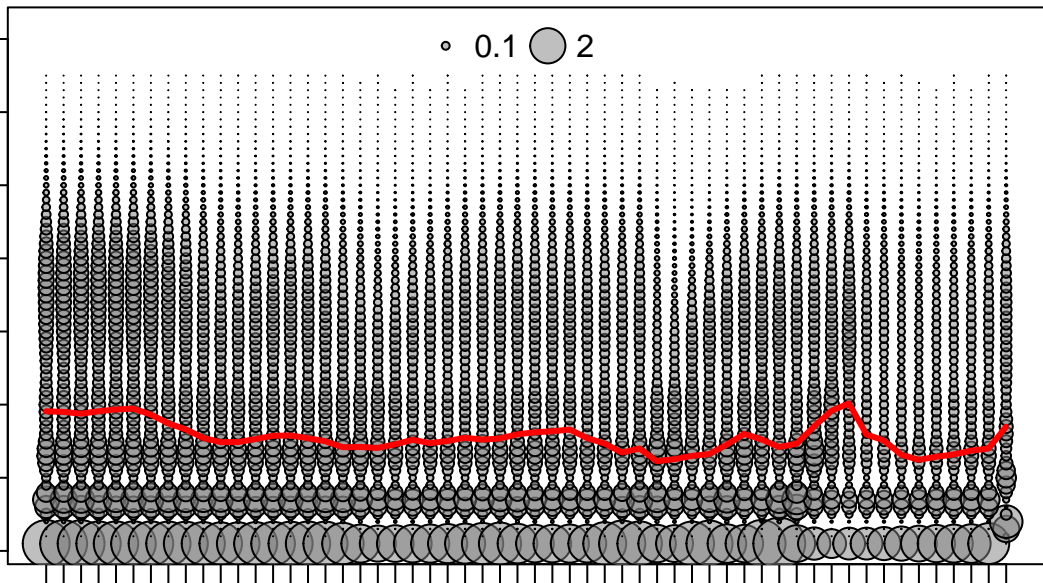
Length

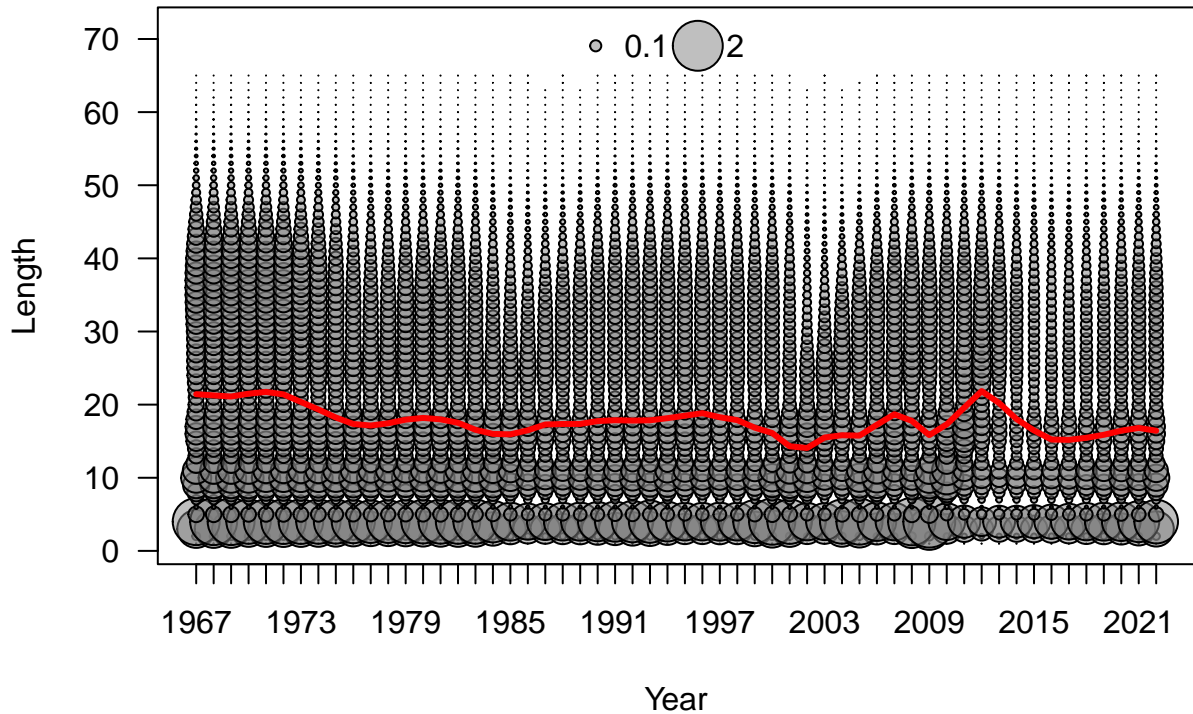
70
60
50
40
30
20
10
0

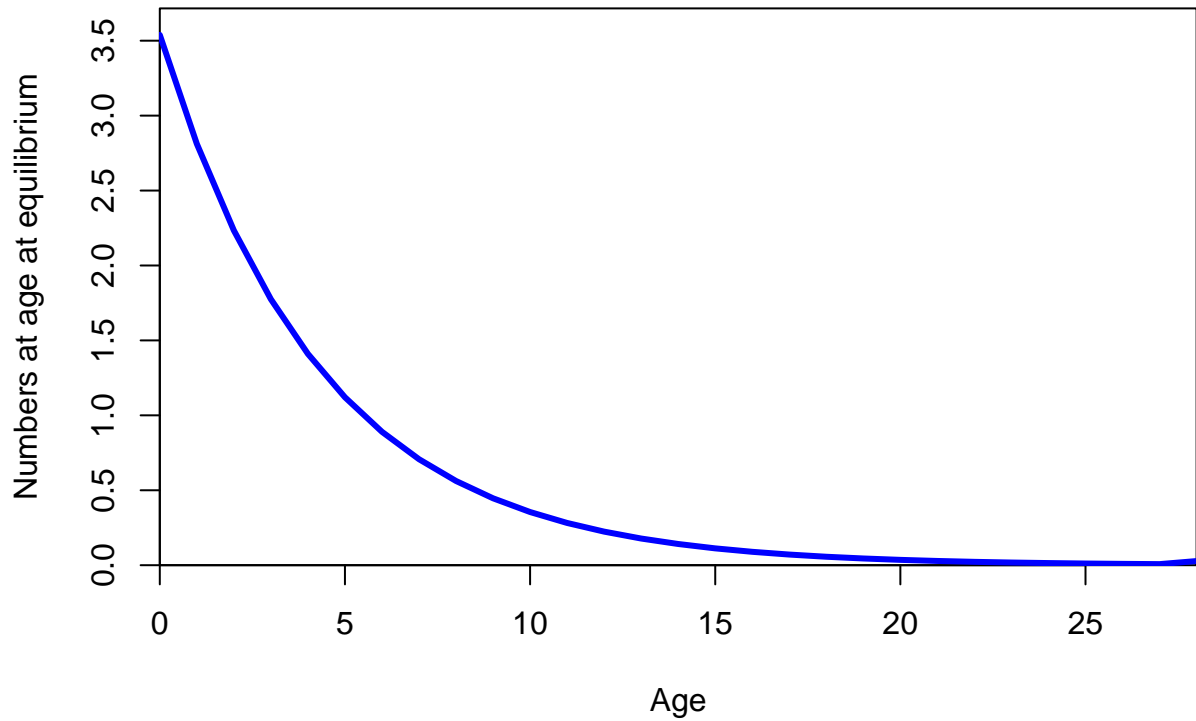
◦ 0.1 ● 2

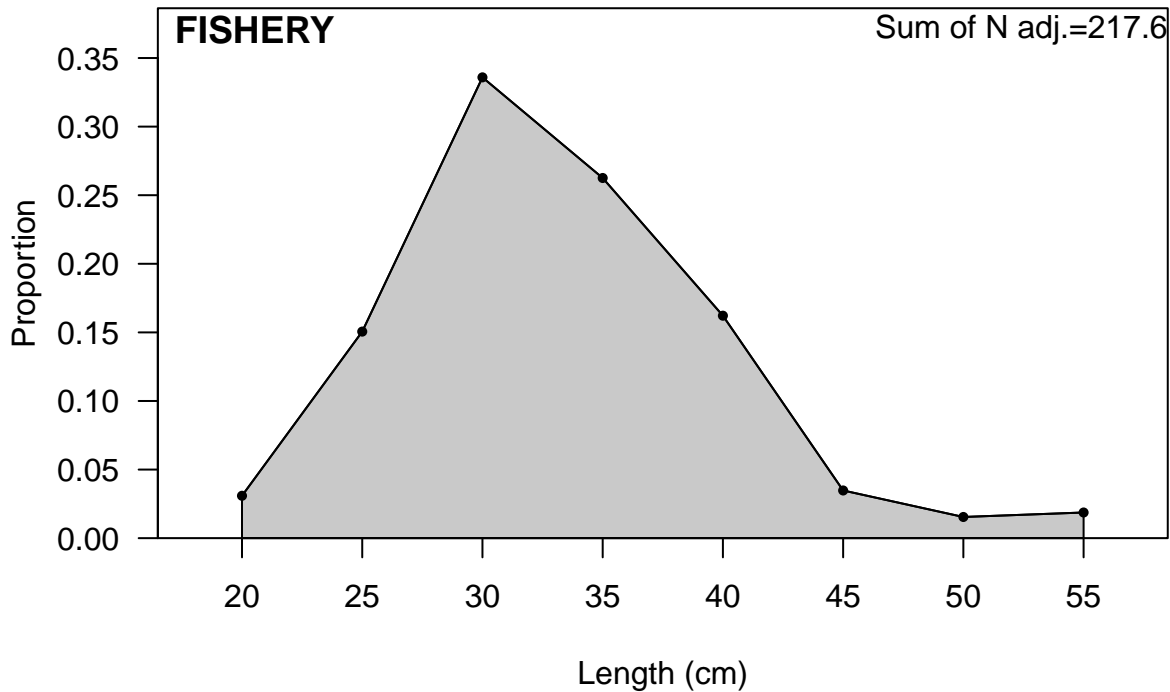
1967 1973 1979 1985 1991 1997 2003 2009 2015 2021

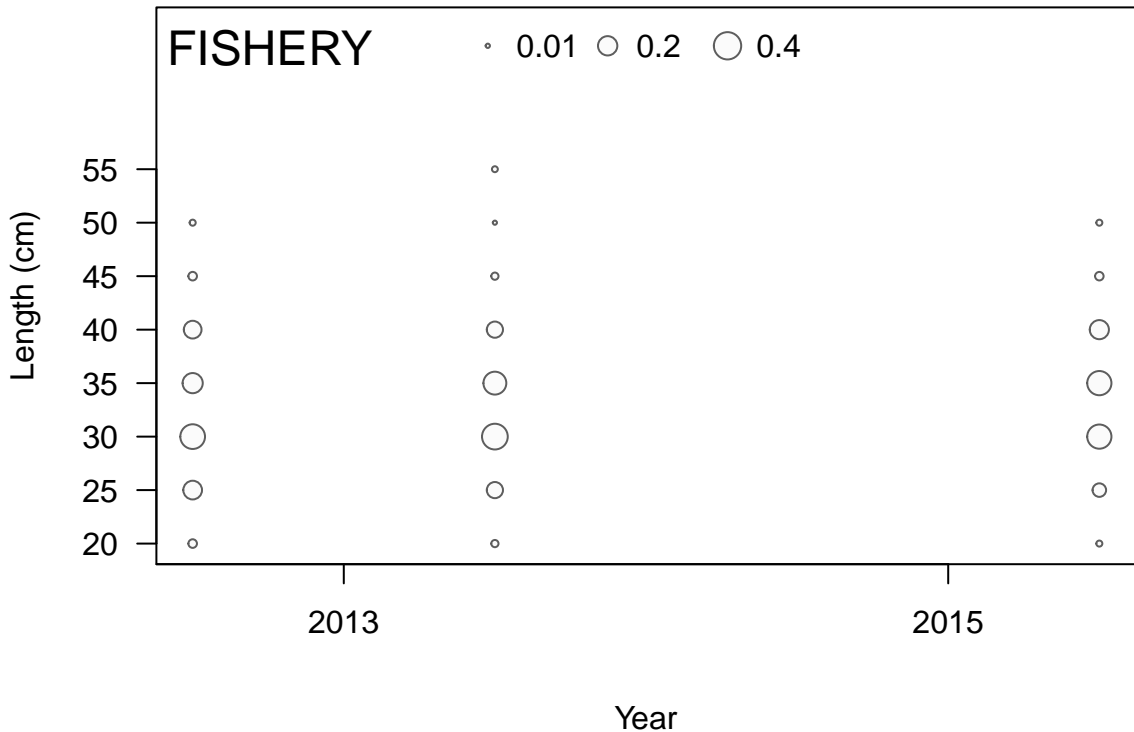
Year

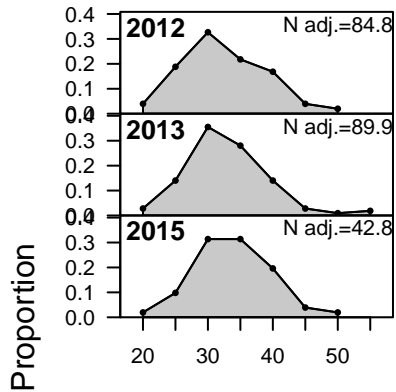




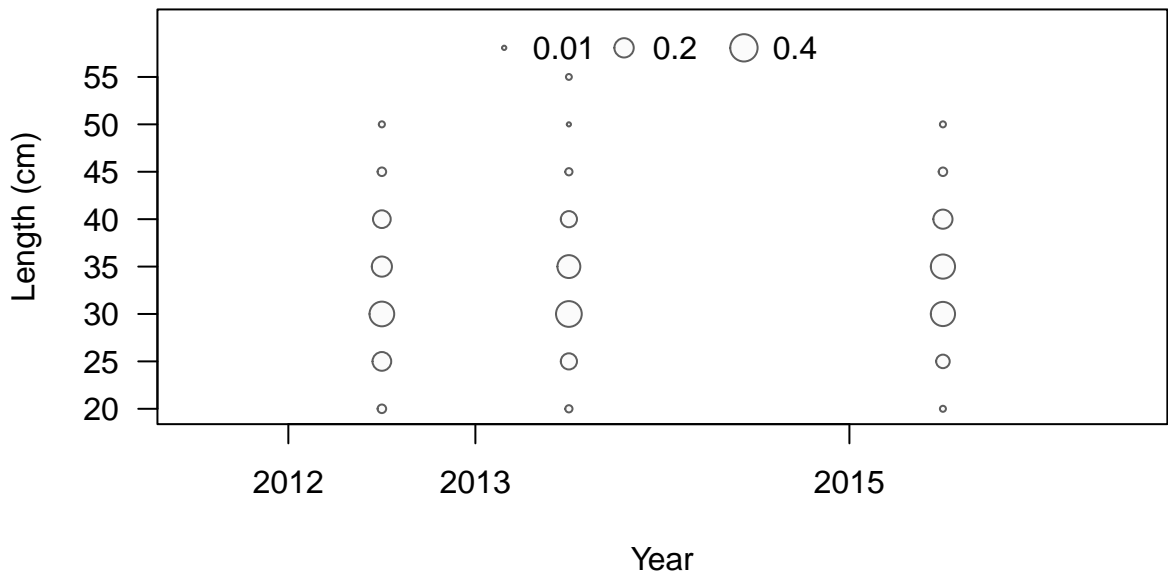




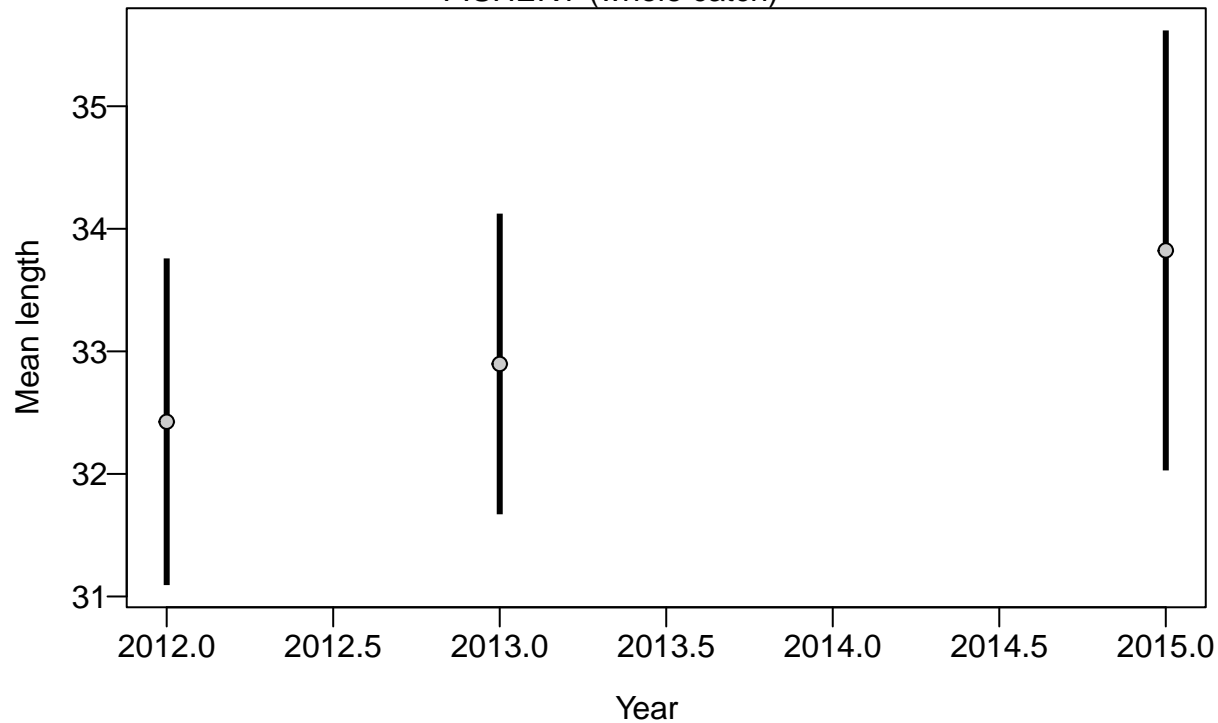


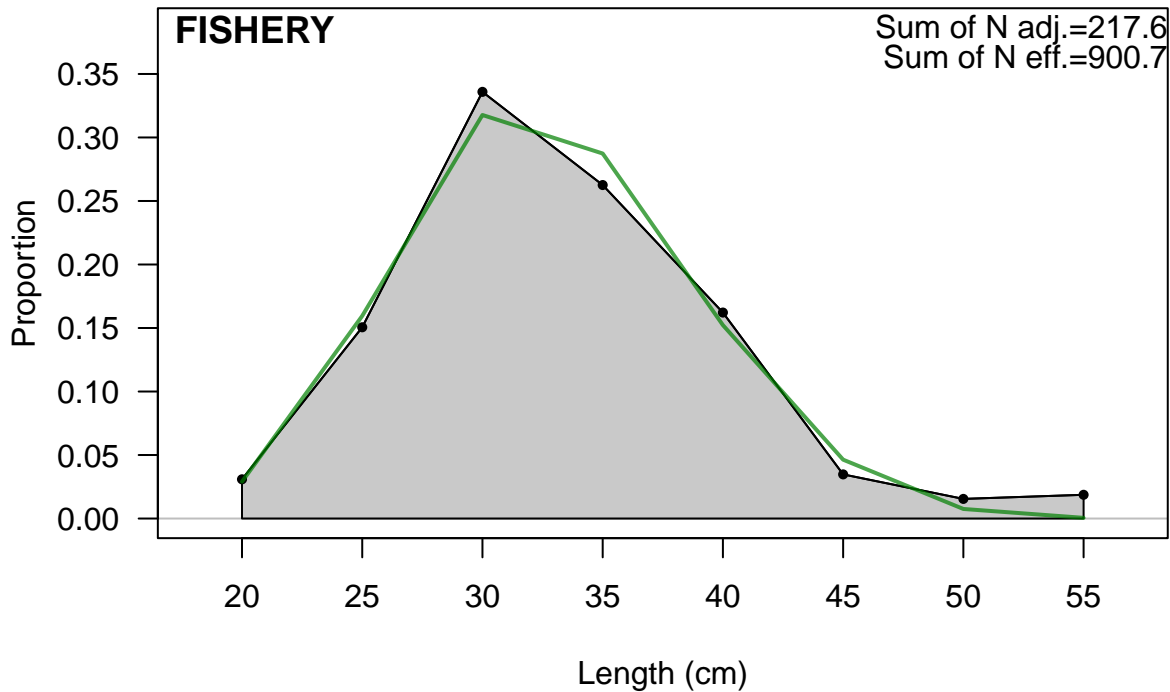


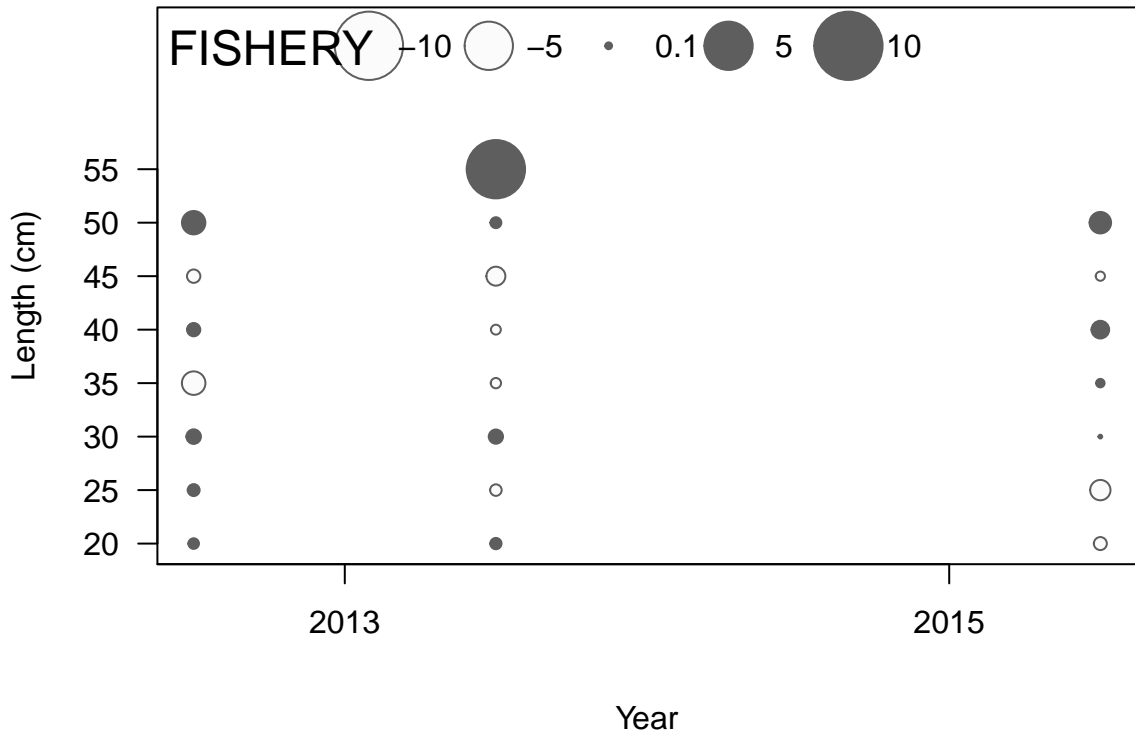
Length (cm)



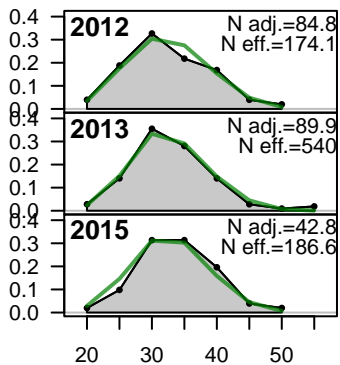
FISHERY (whole catch)



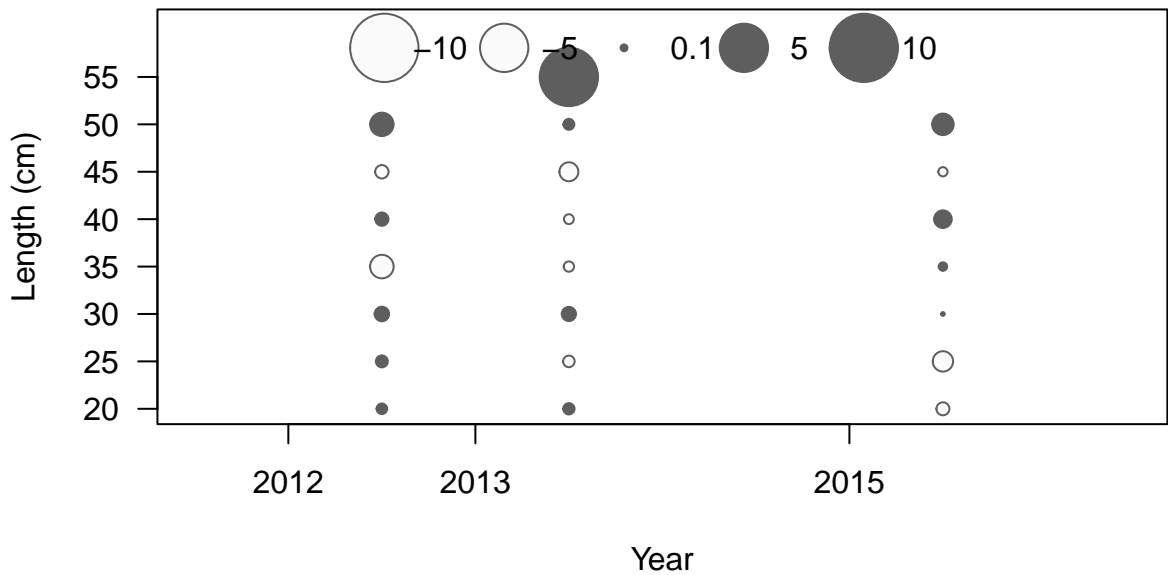




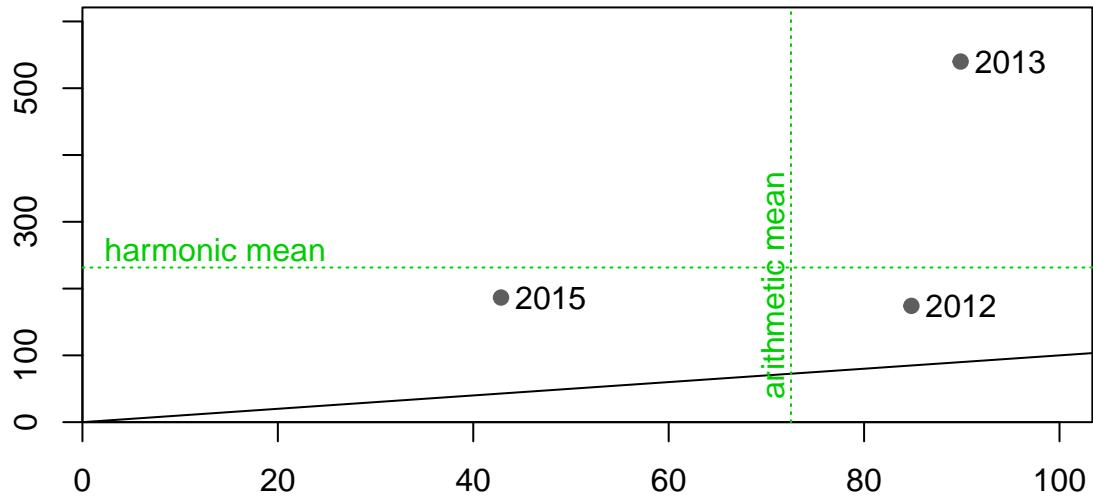
Proportion



Length (cm)

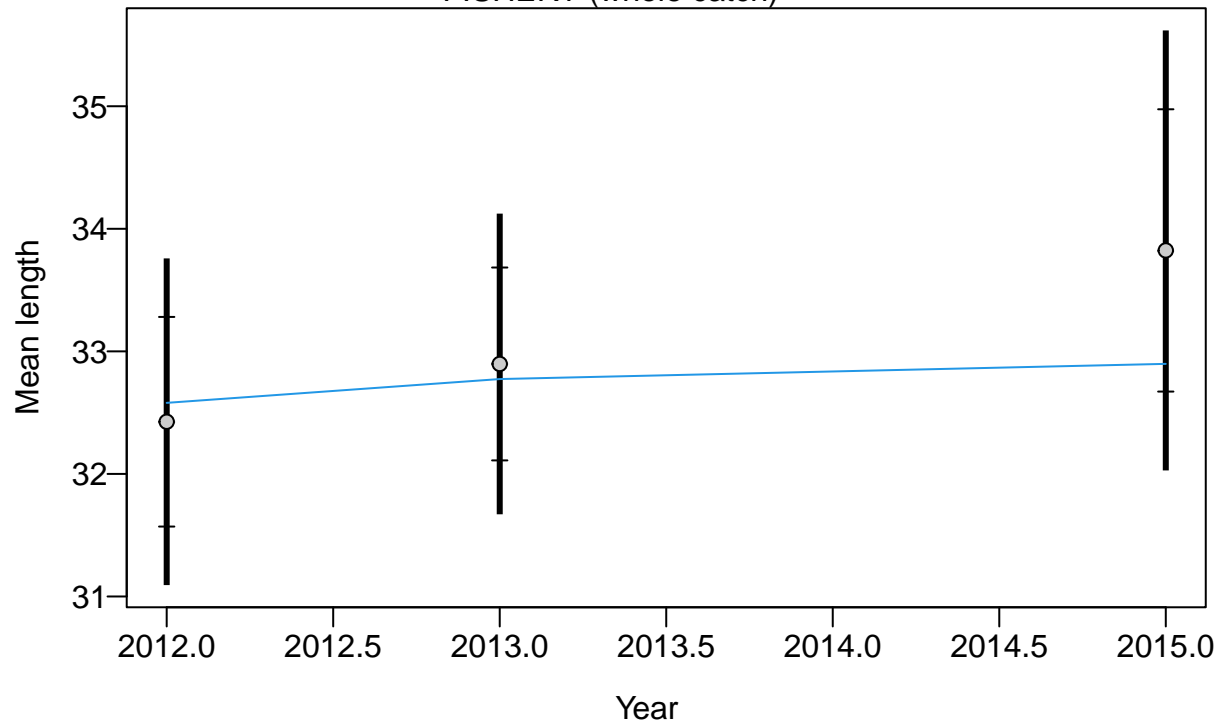


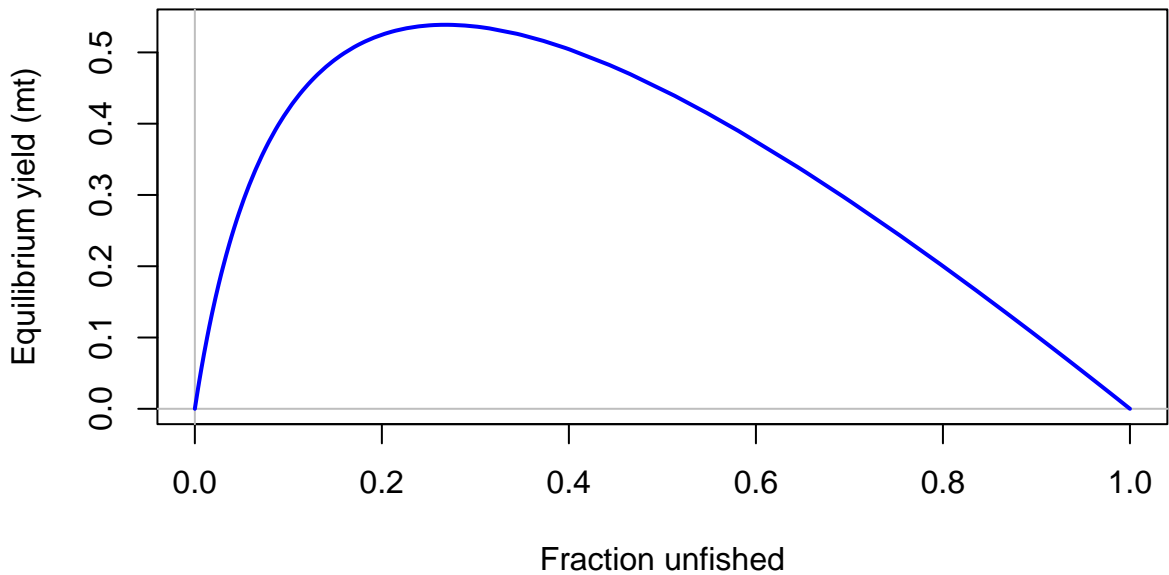
Effective sample size

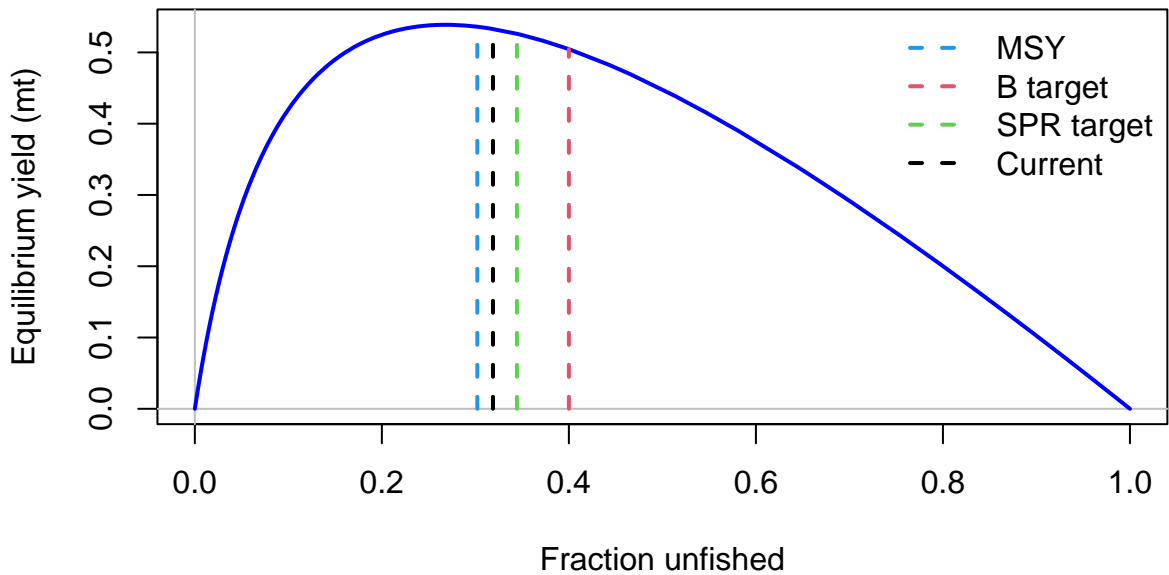


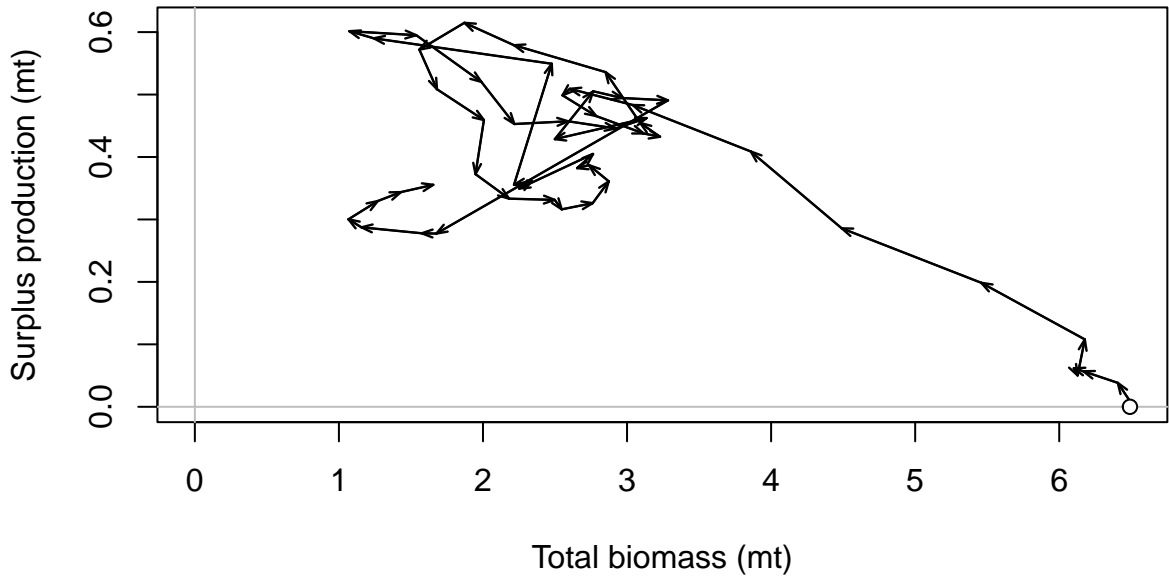
Observed sample size

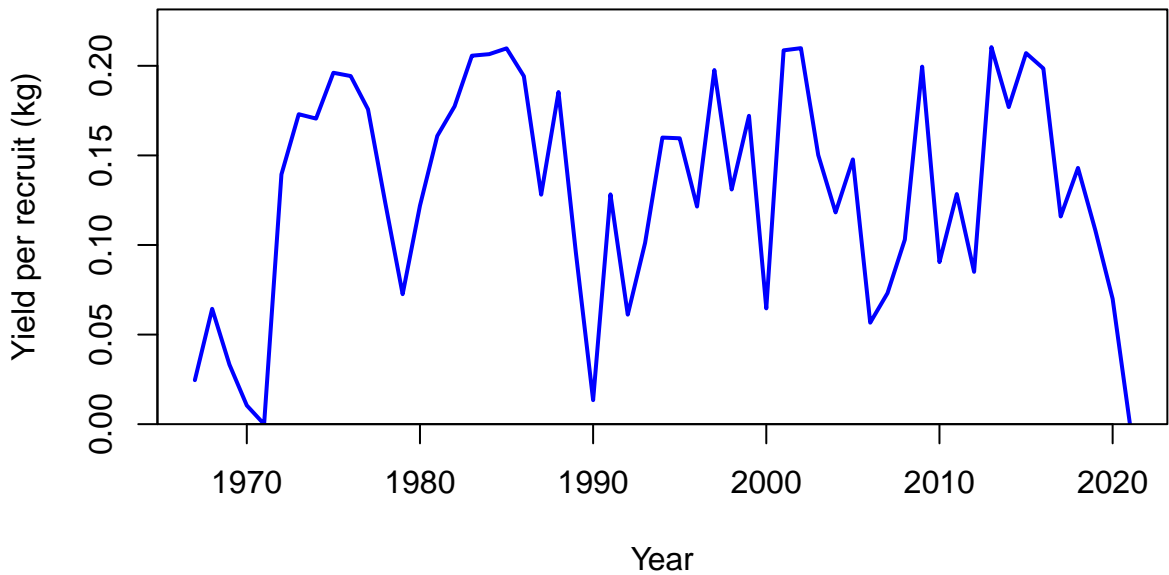
FISHERY (whole catch)

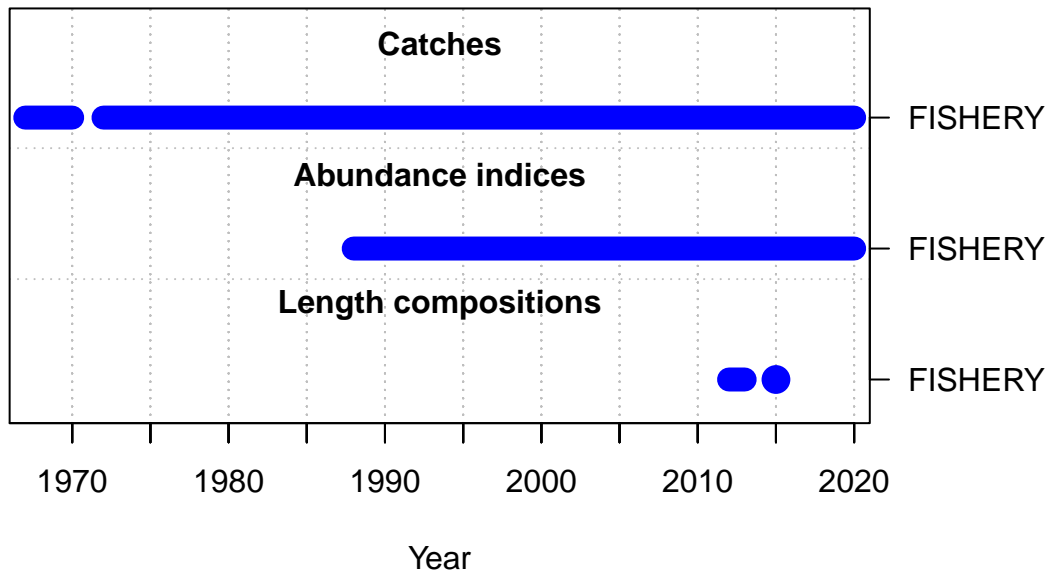


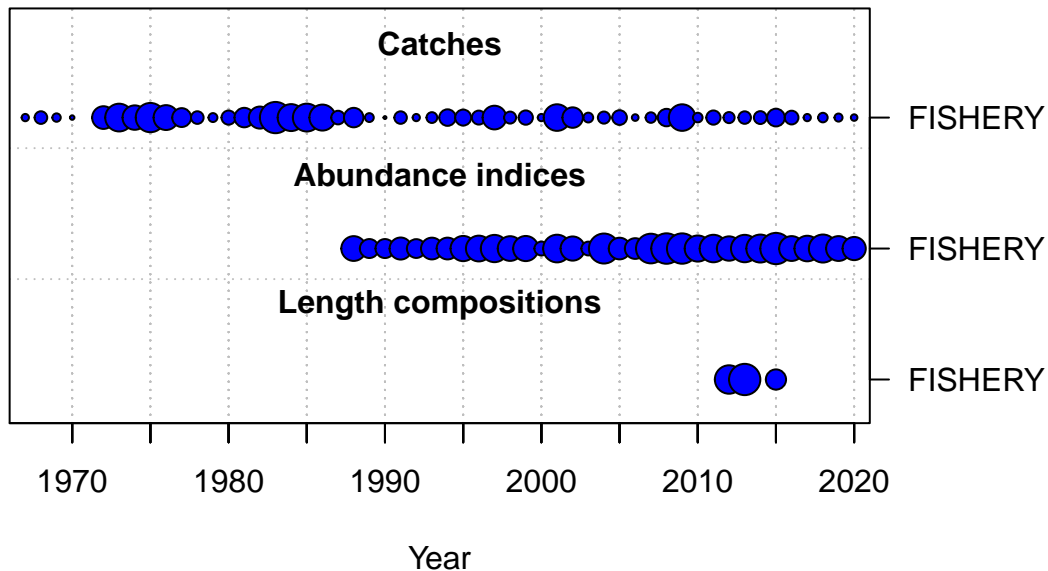




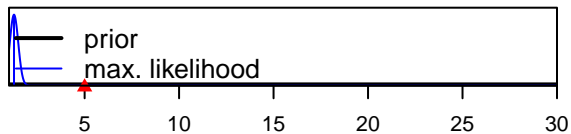




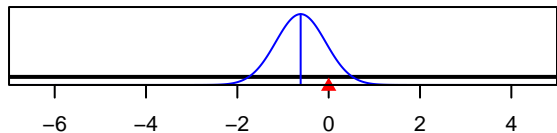




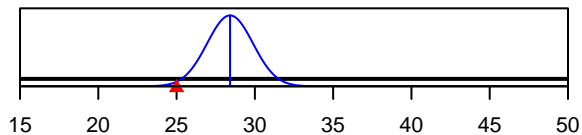
SR_LN(R0)



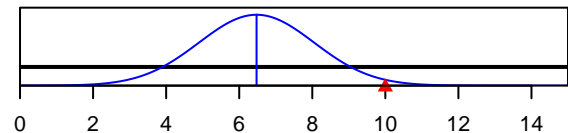
LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Parameter value

Density