

Plots created using the 'r4ss' package in R

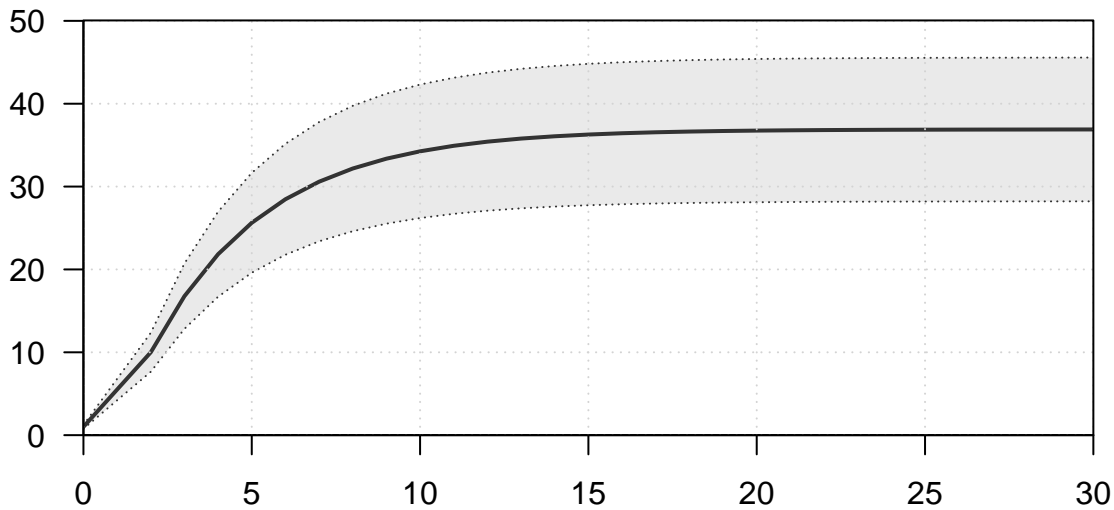
Stock Synthesis version: 3.30.19.0

StartTime: Wed Jul 13 15:42:02 2022

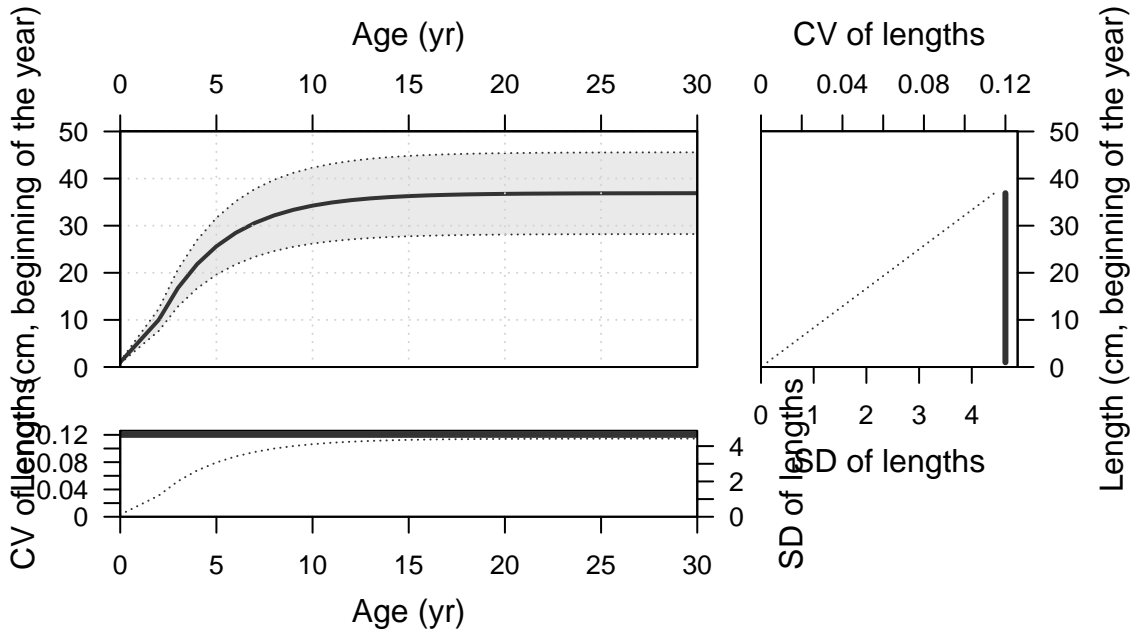
Data_File: data.ss

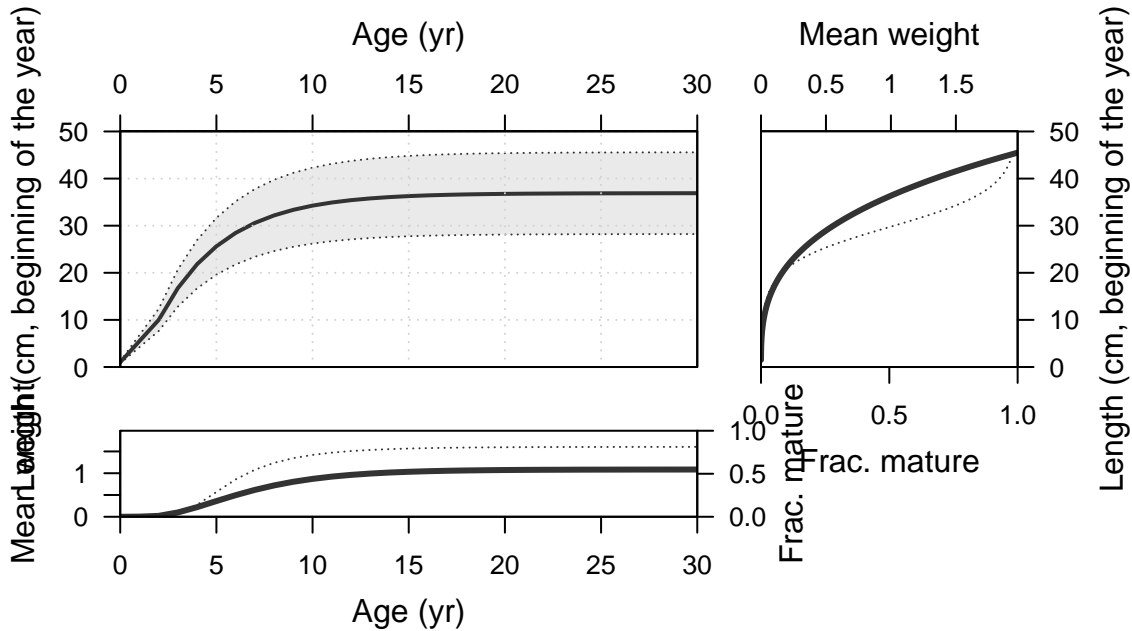
Control_File: control.ss

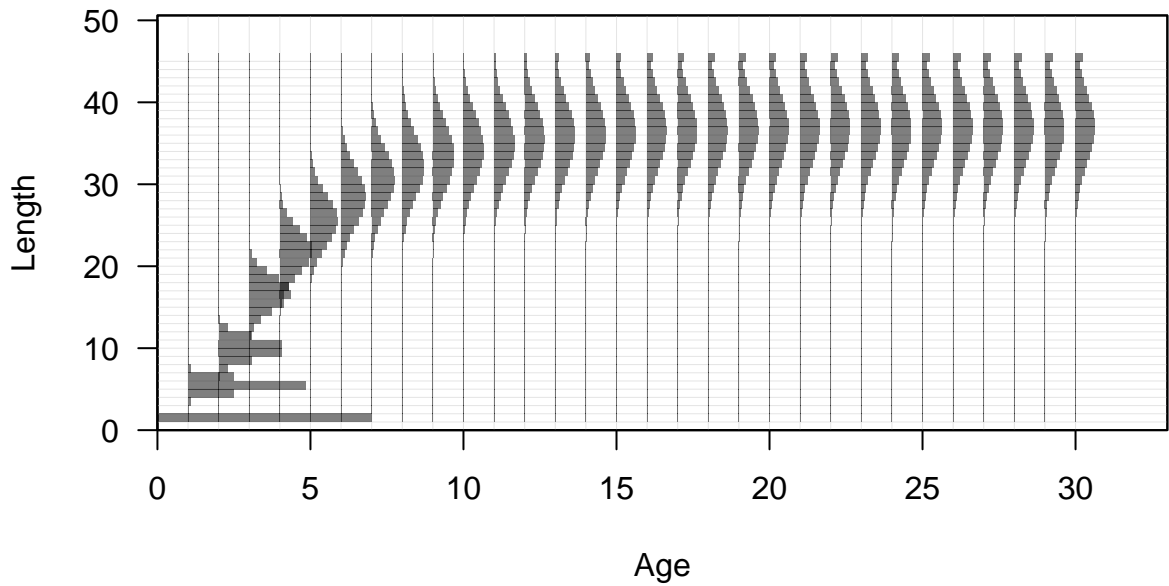
Length (cm, beginning of the year)

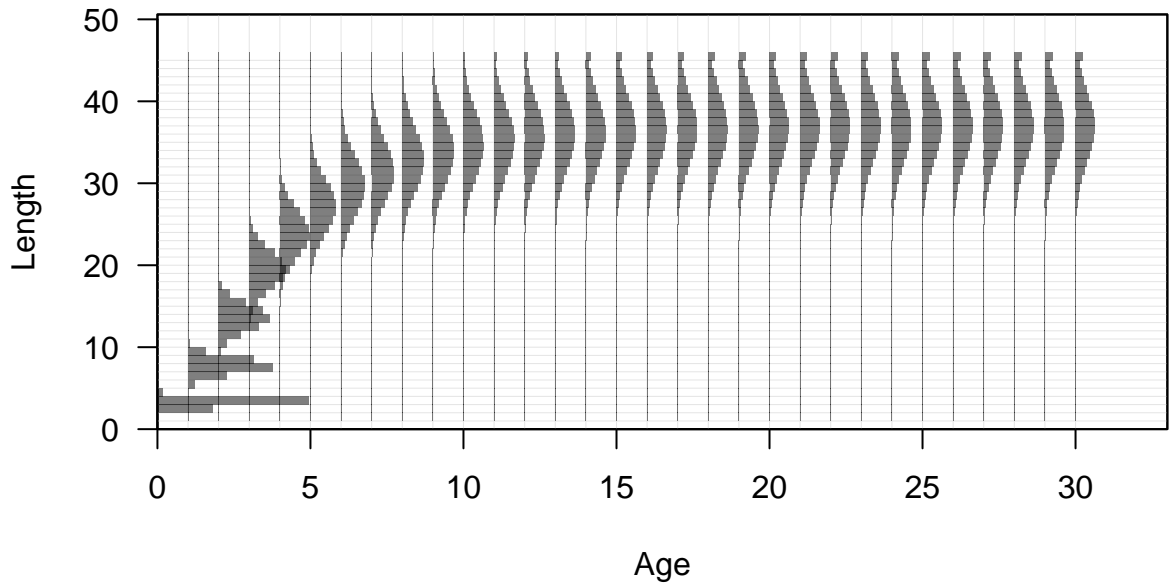


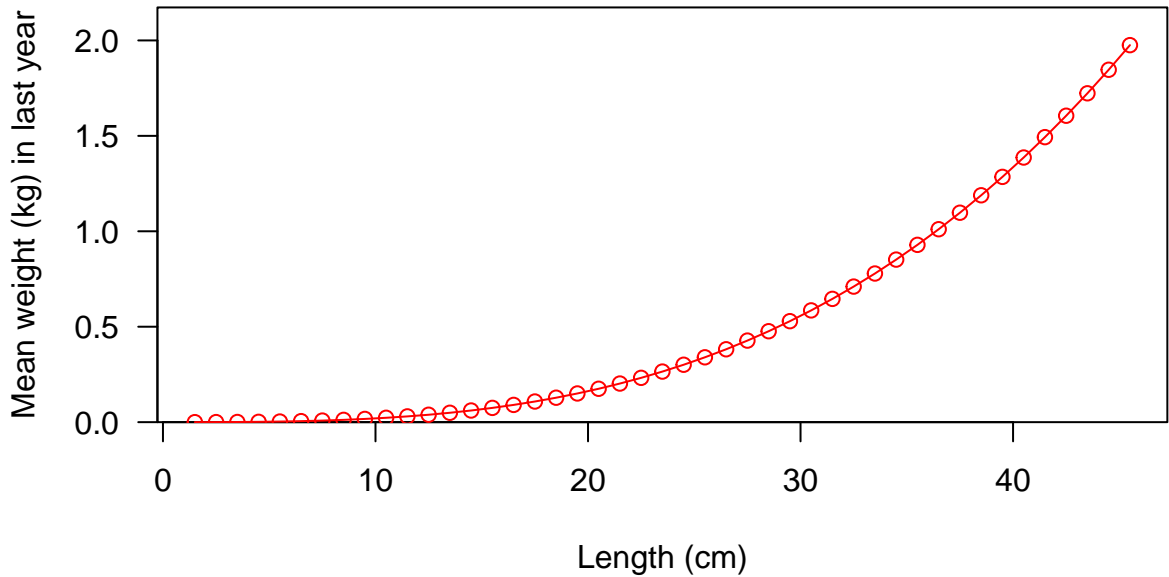
Age (yr)

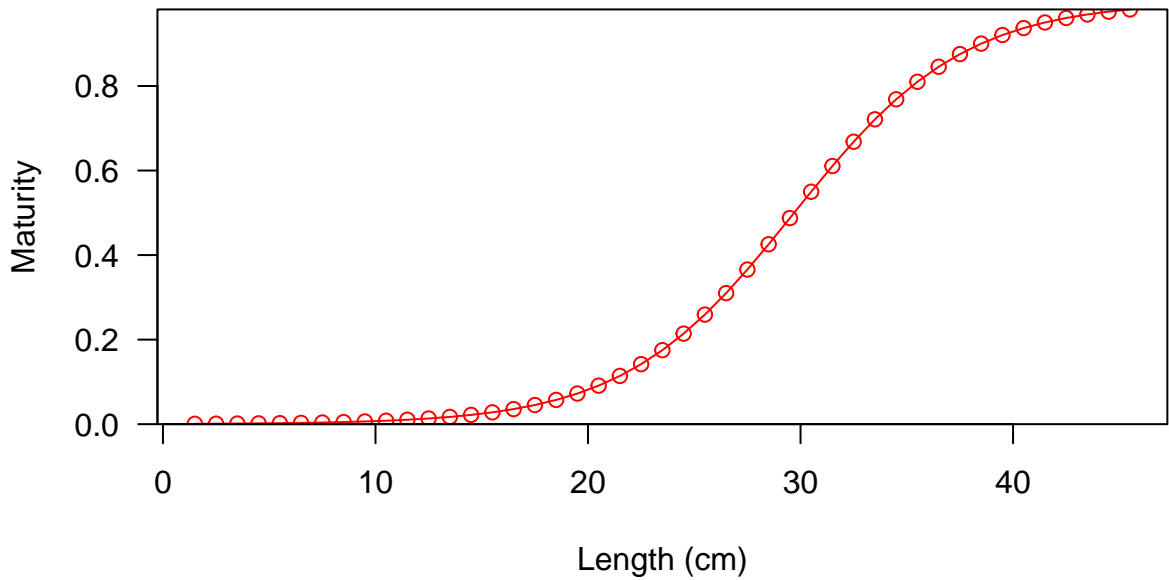


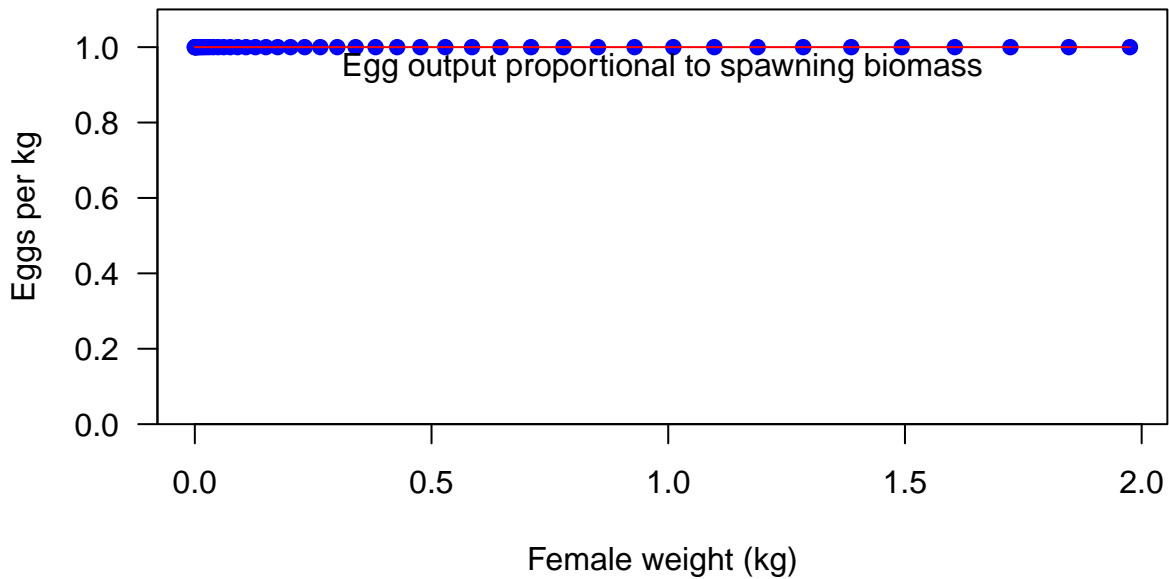


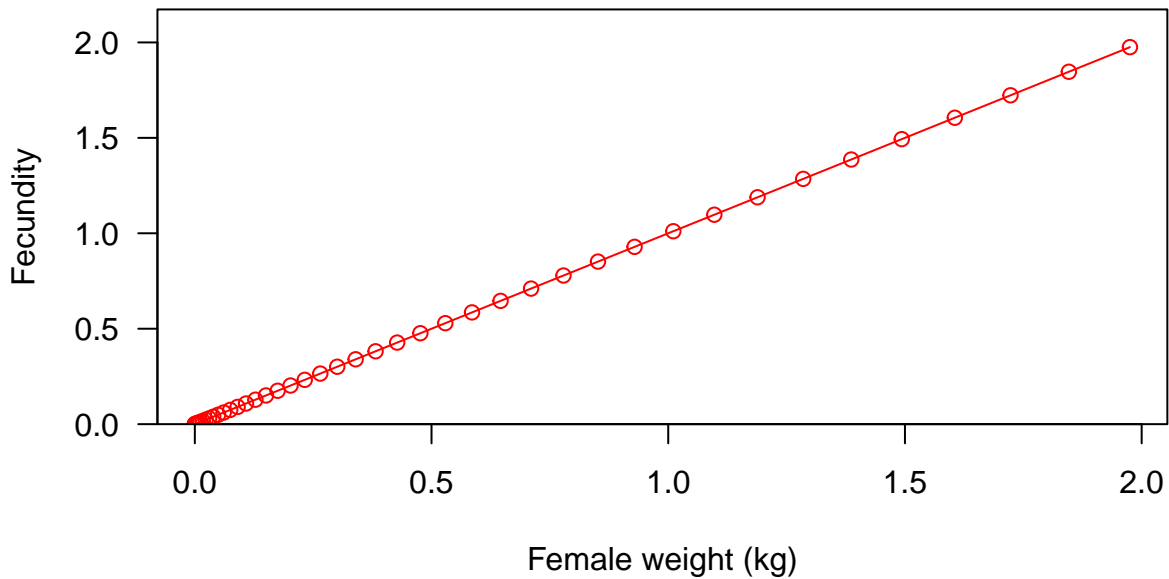


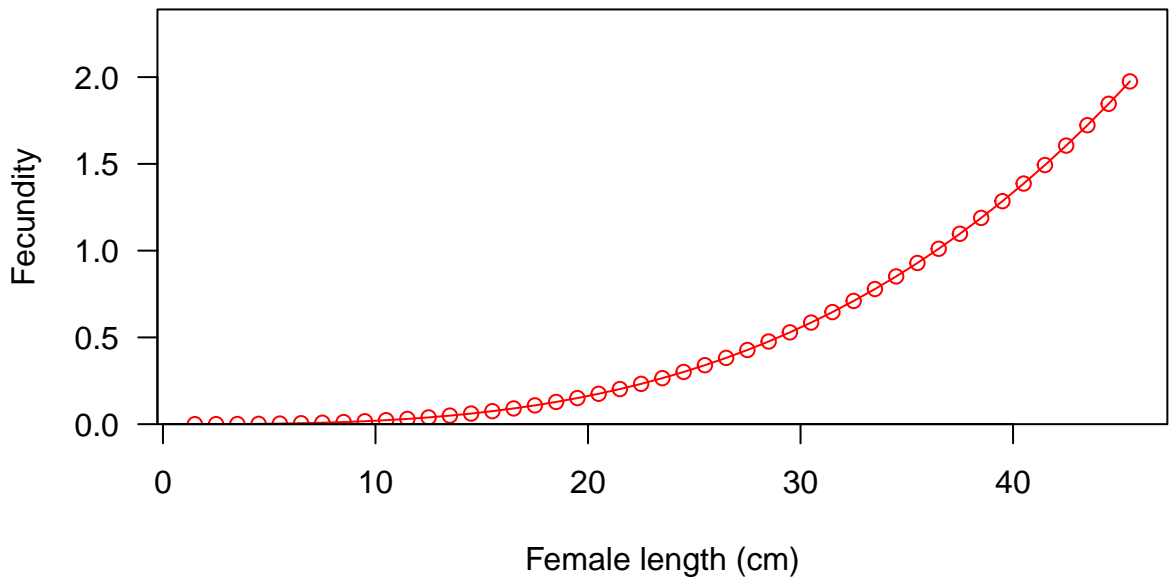


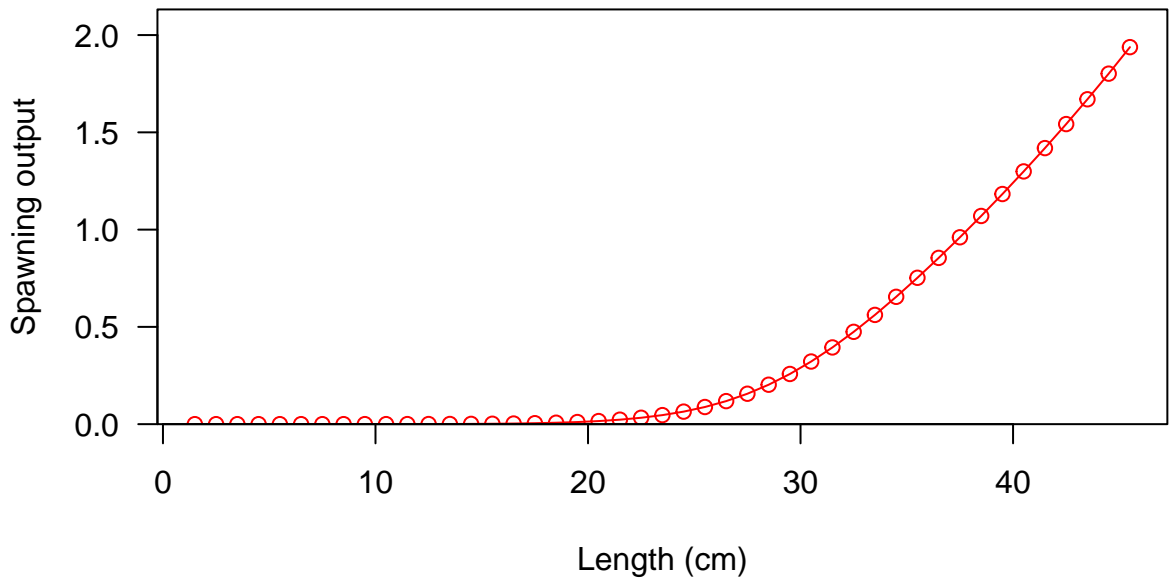


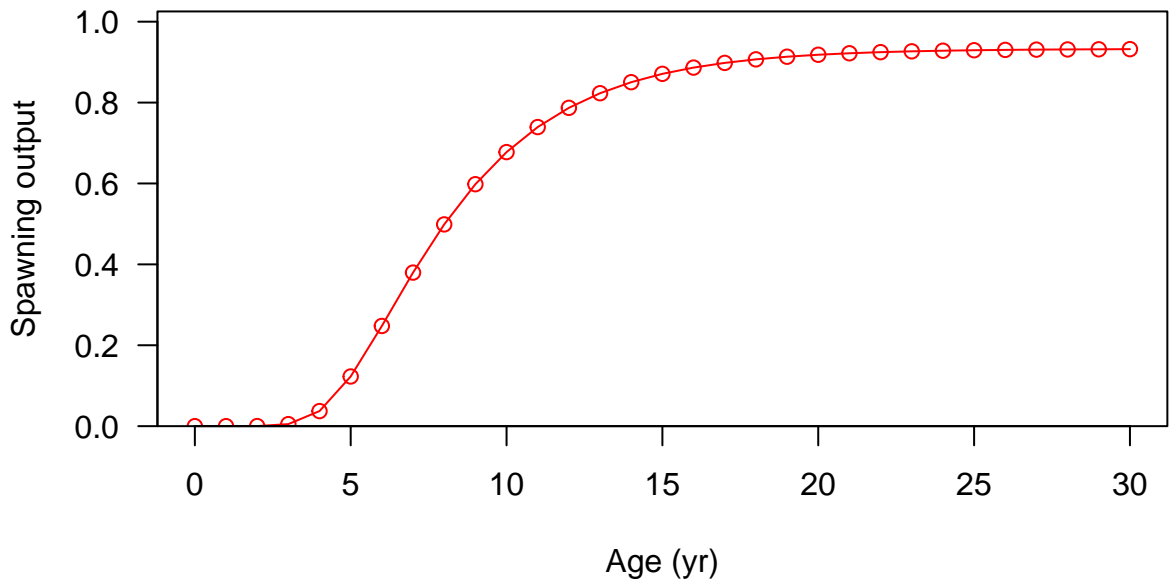




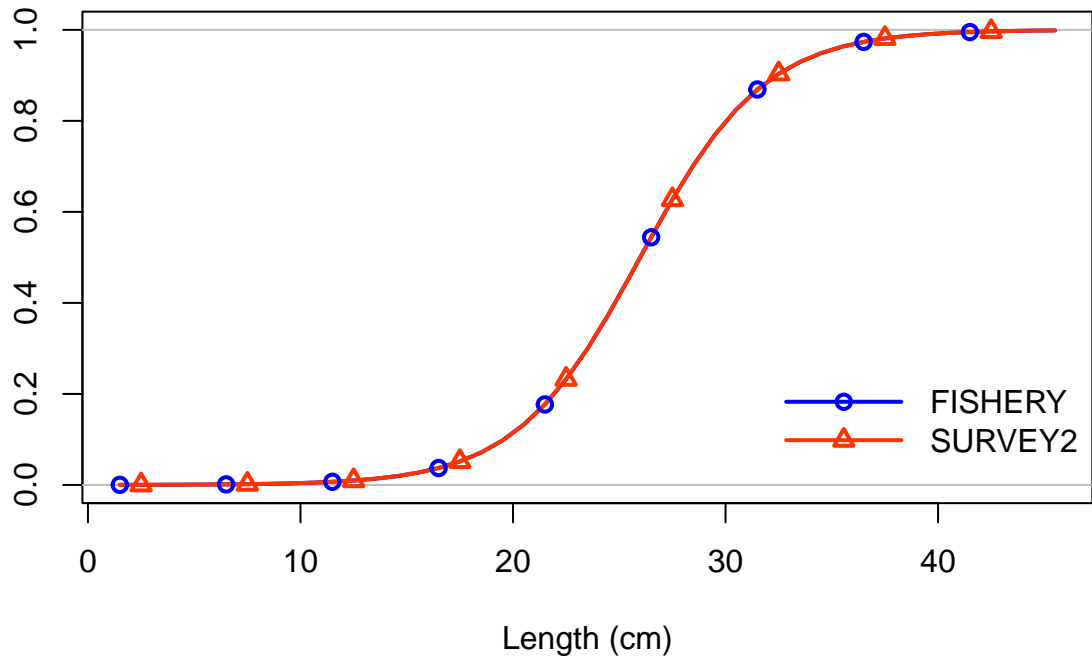




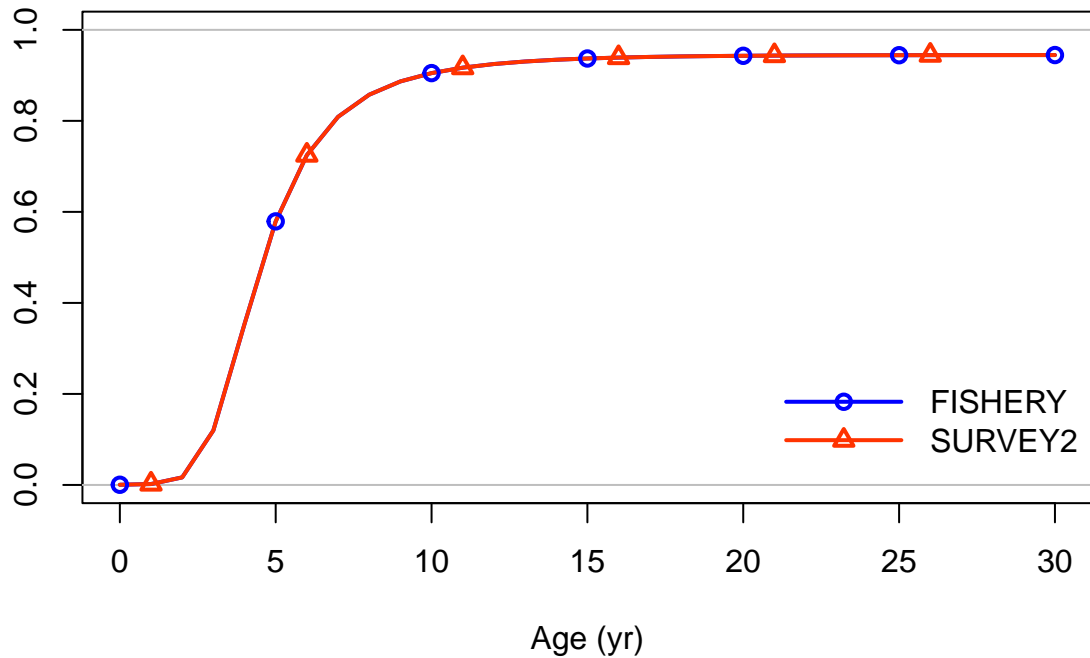




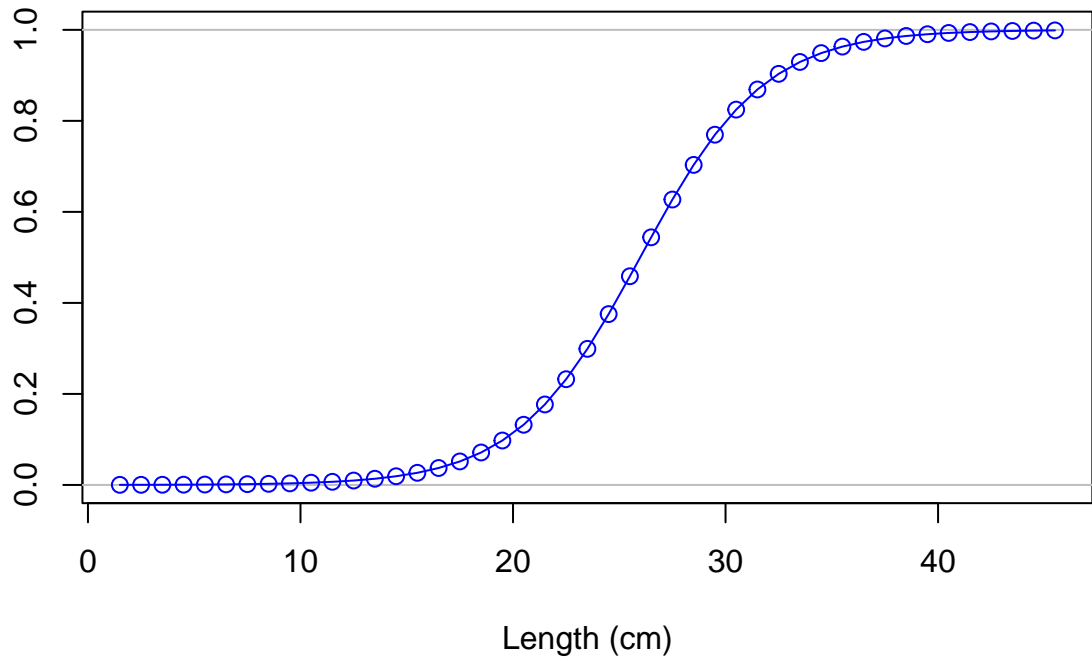
Selectivity



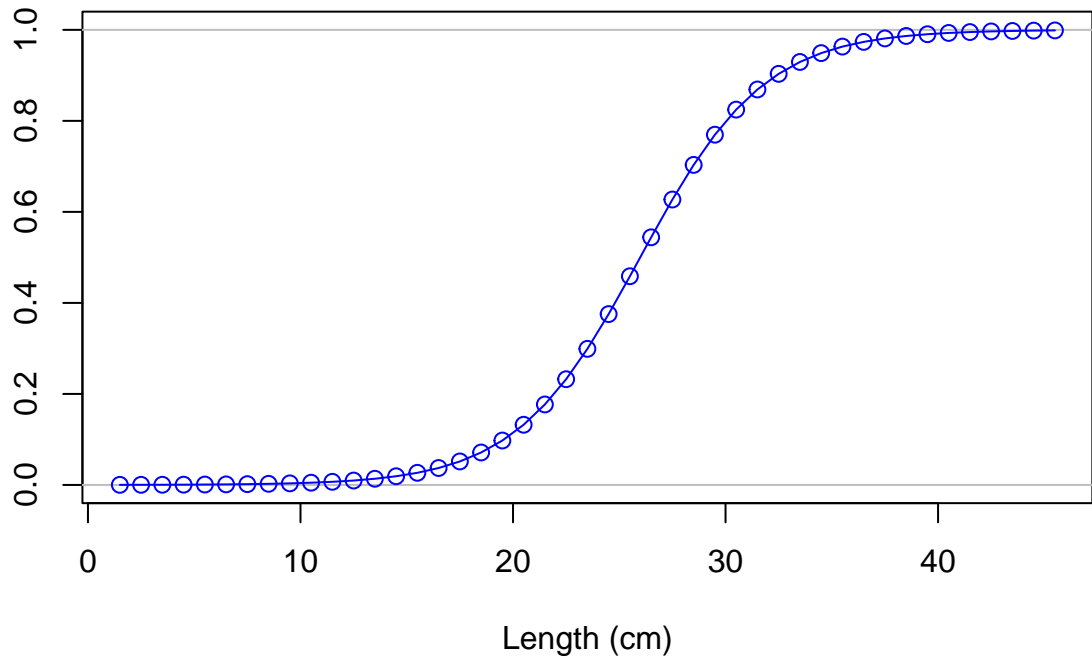
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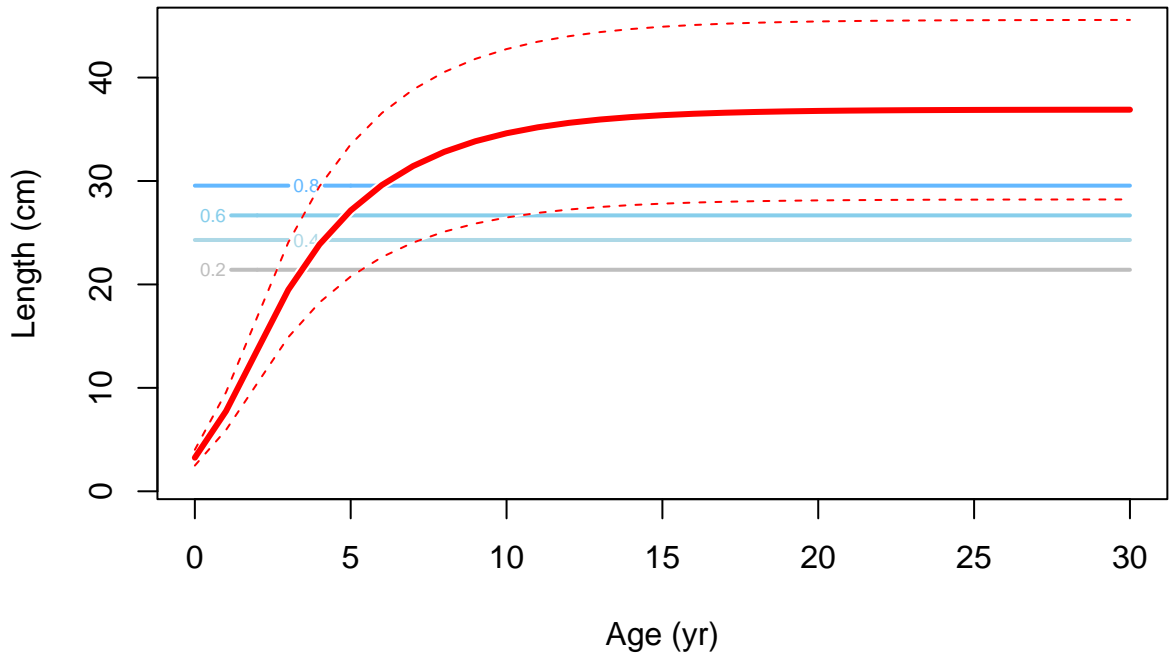


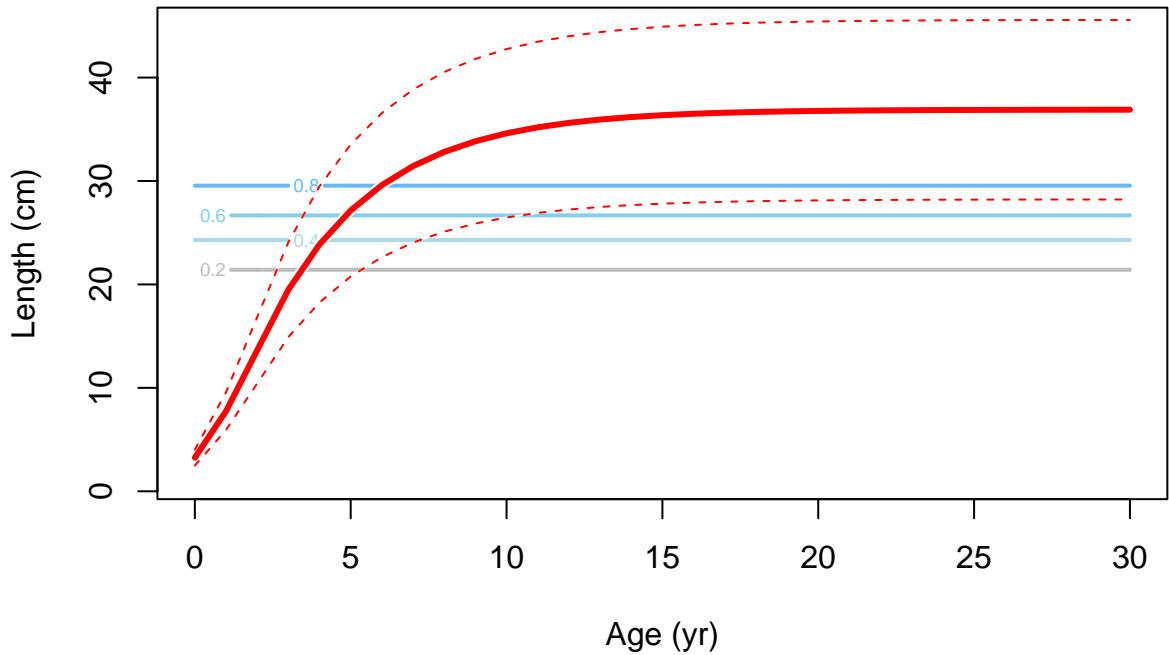
Selectivity

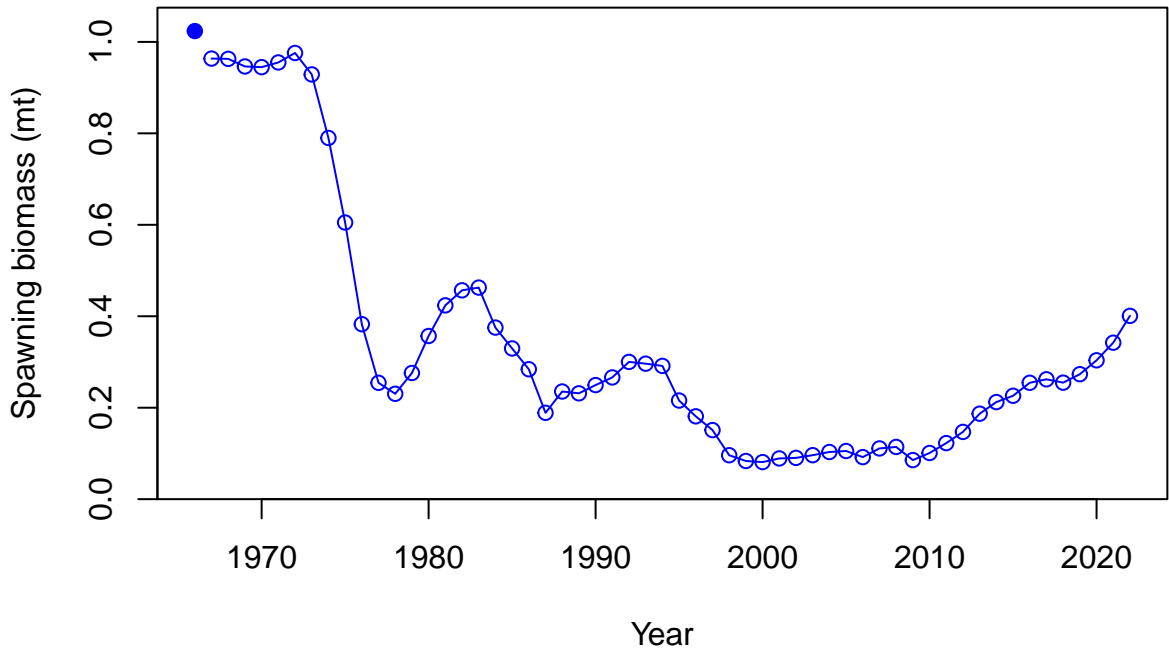


Selectivity

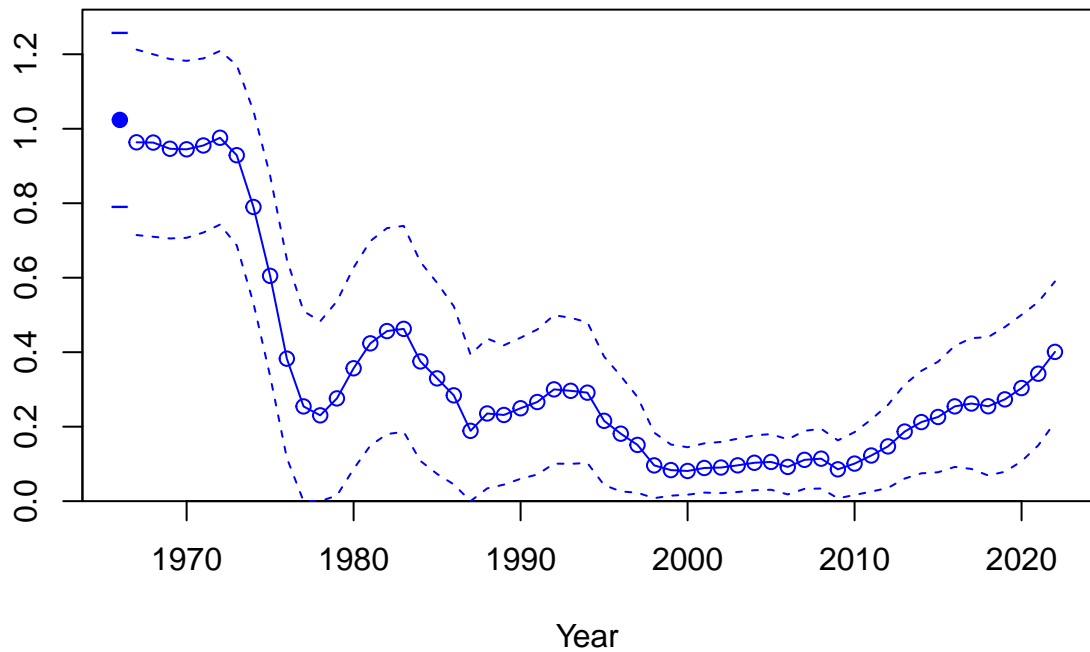




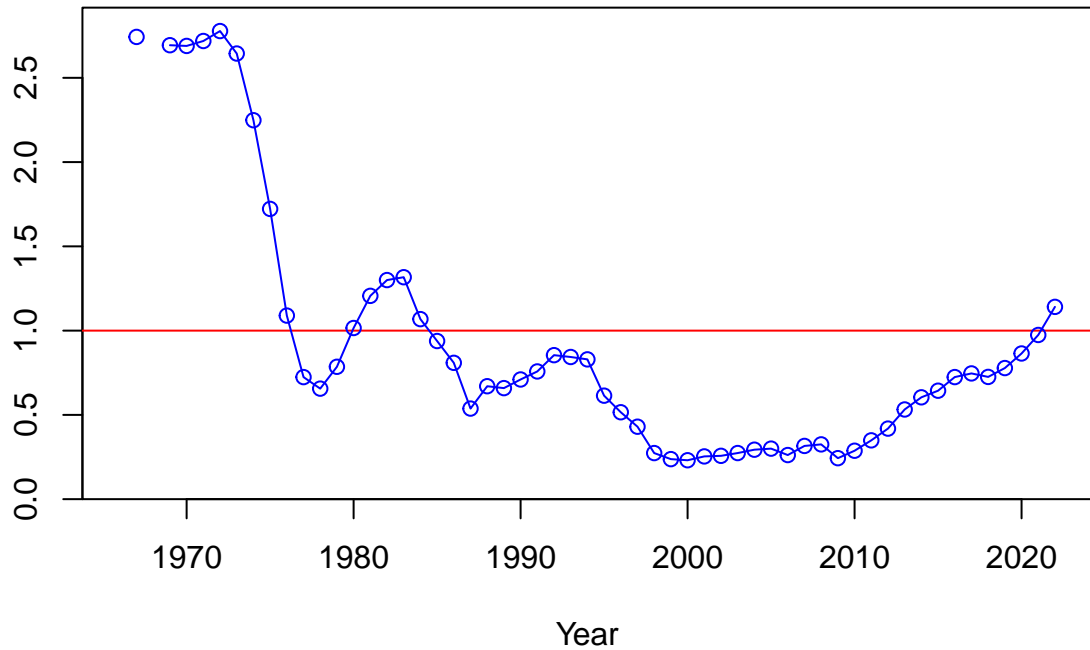




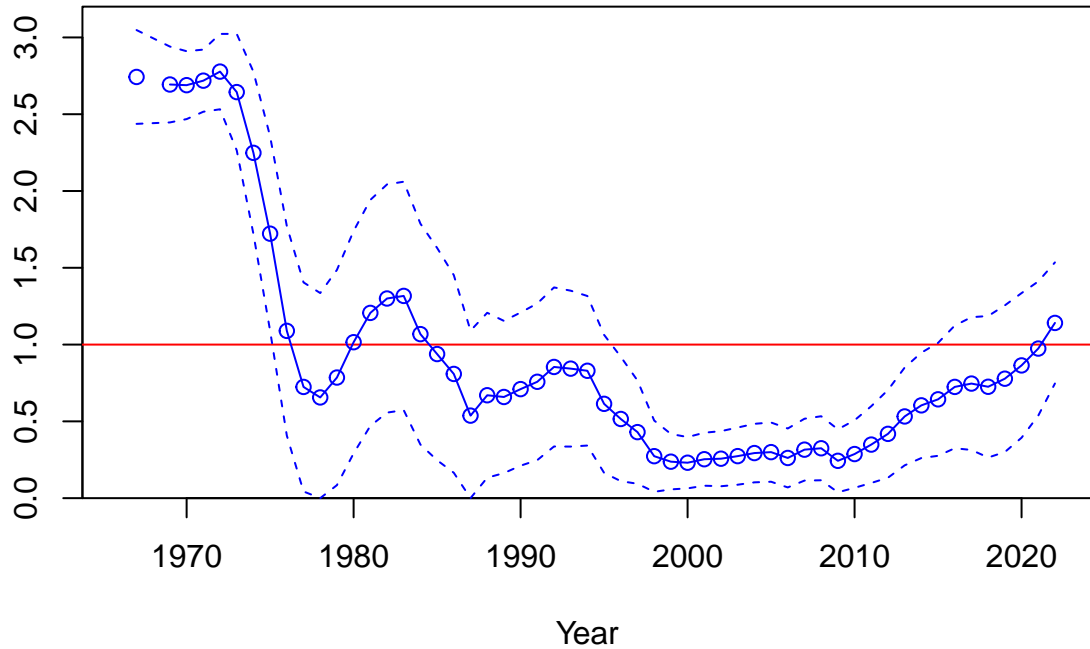
Spawning biomass (mt)

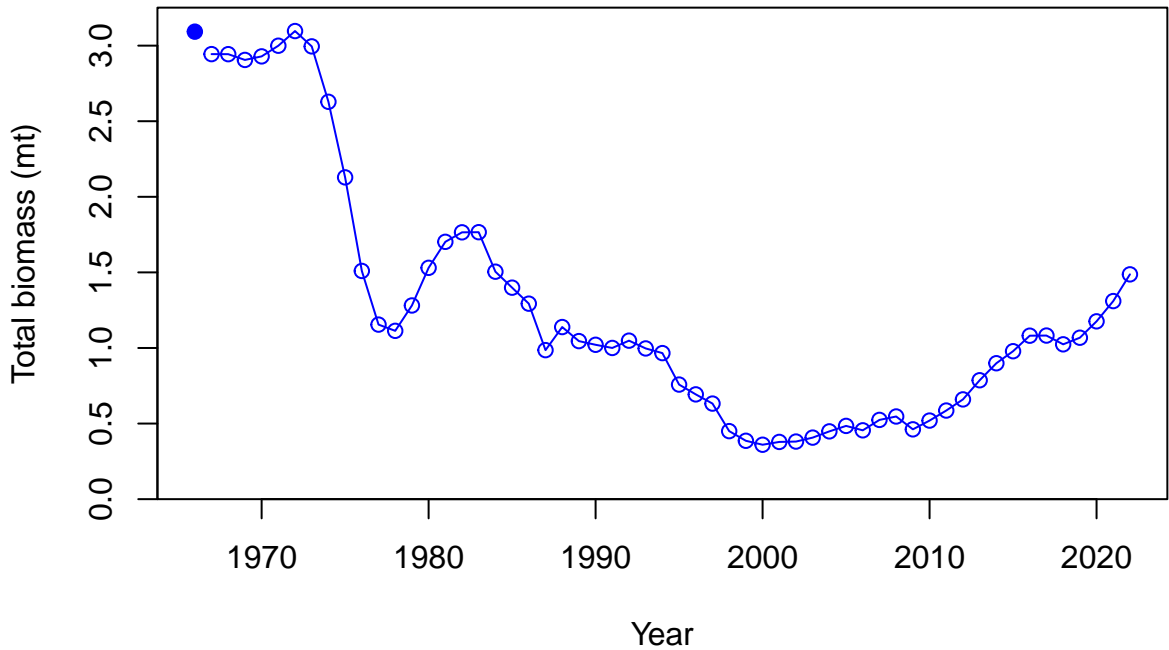


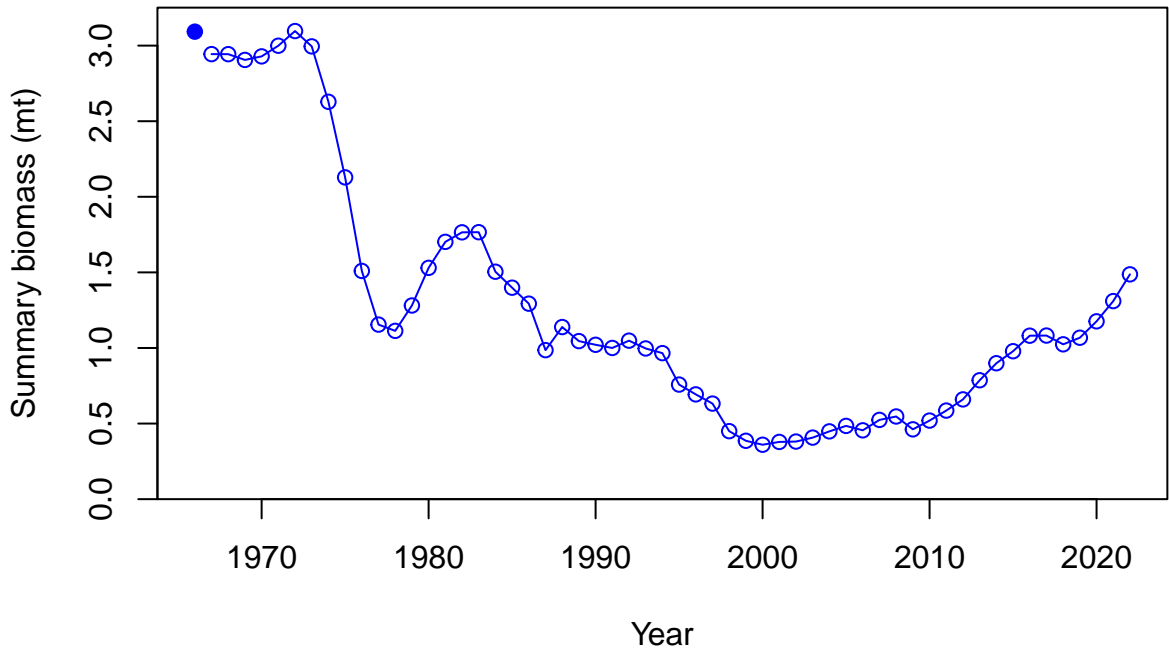
Relative spawning biomass: B/B_{MSY}



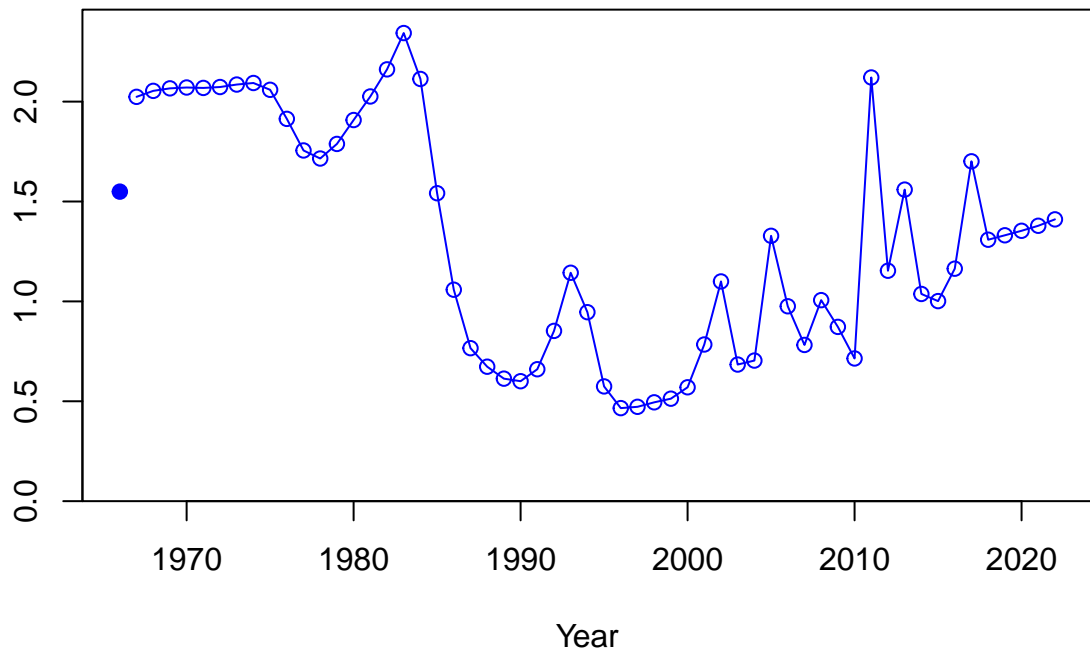
Relative spawning biomass: B/B_{MSY}



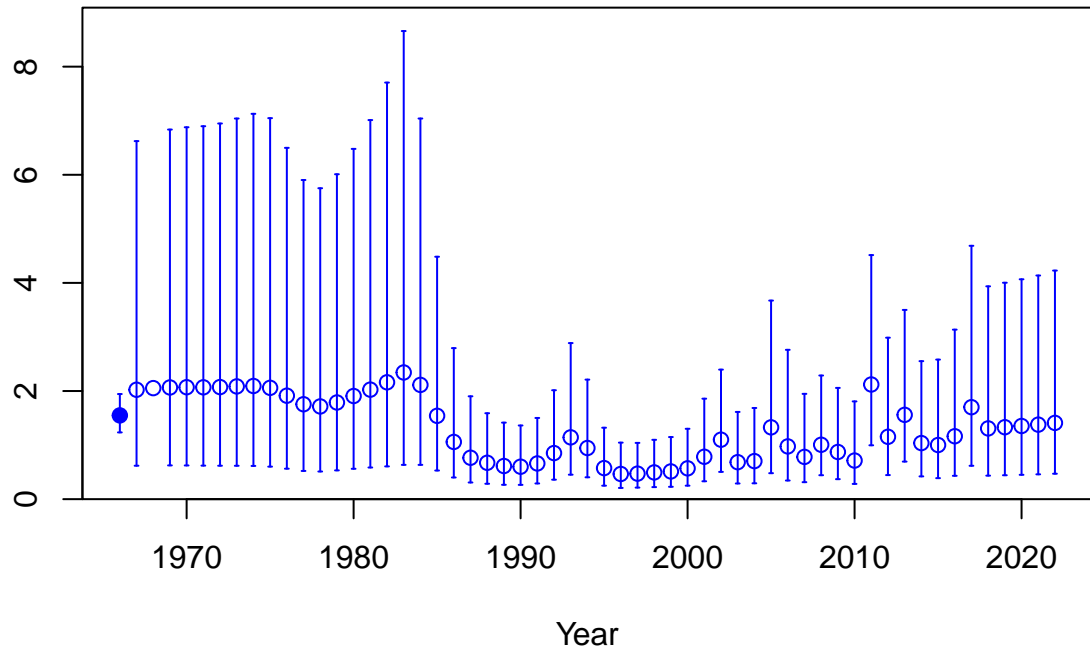




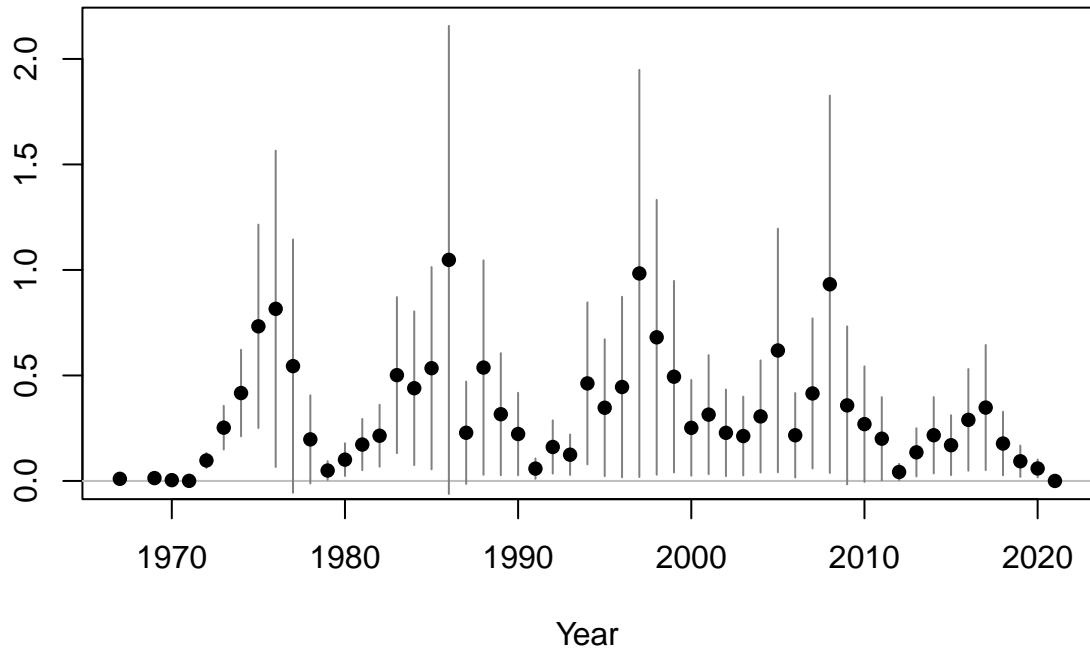
Age-0 recruits (1,000s)

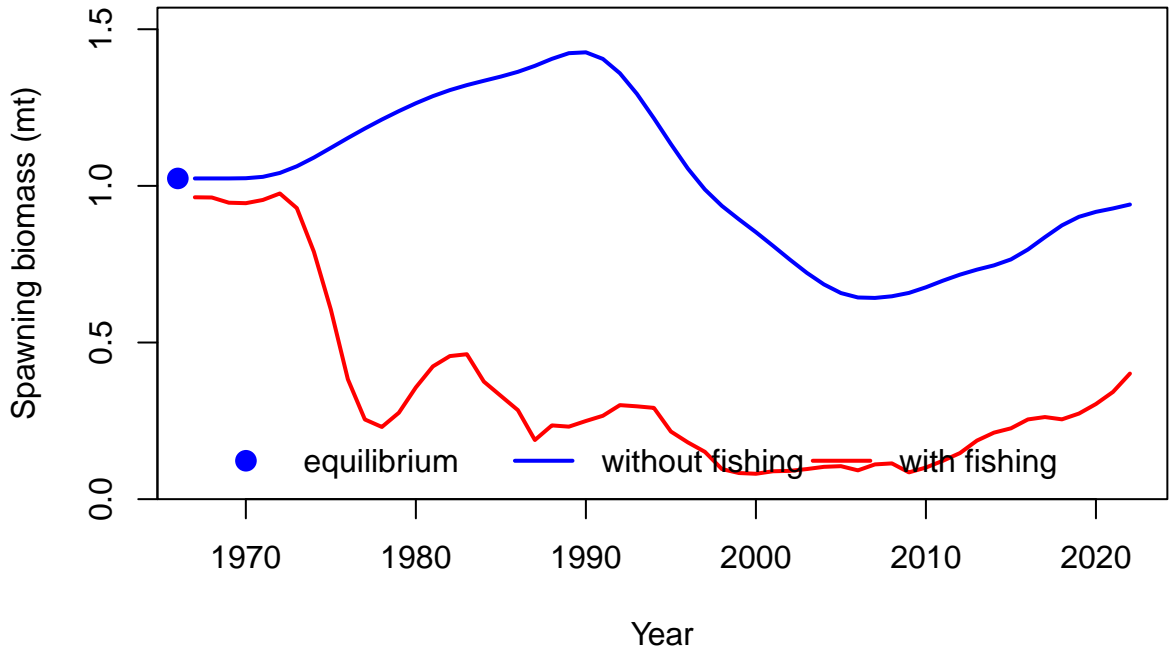


Age-0 recruits (1,000s)

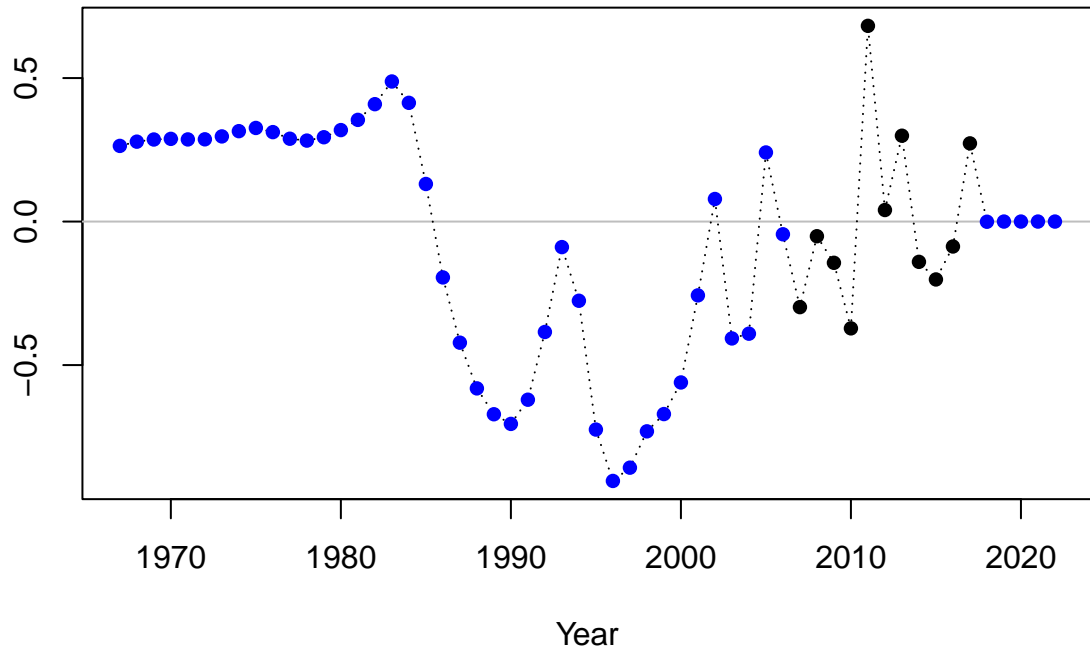


Summary Fishing Mortality

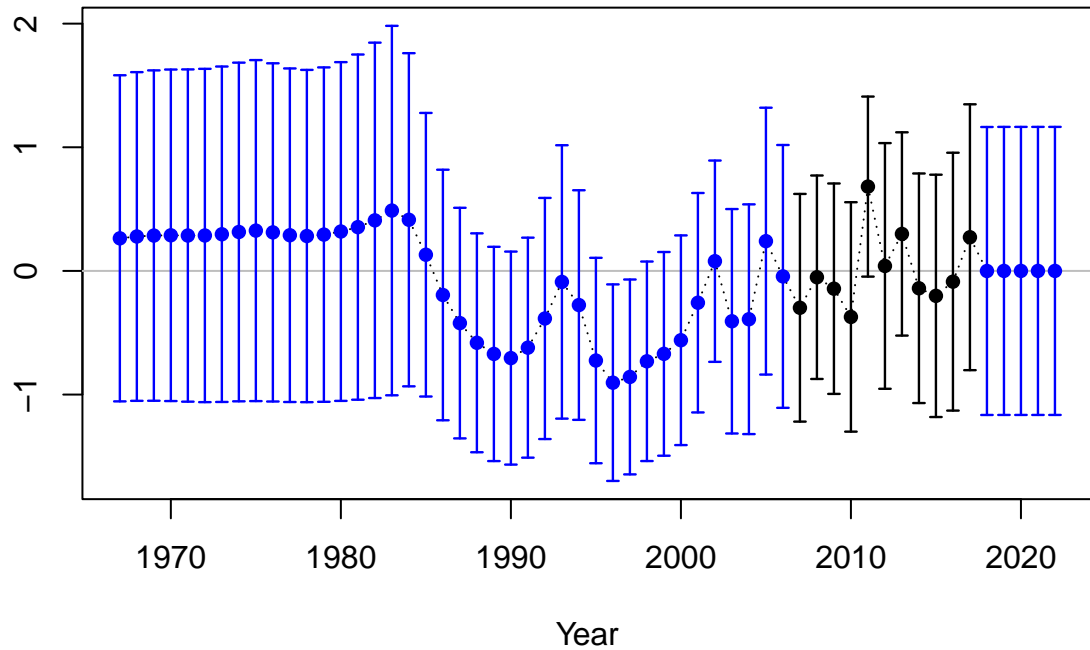




Log recruitment deviation

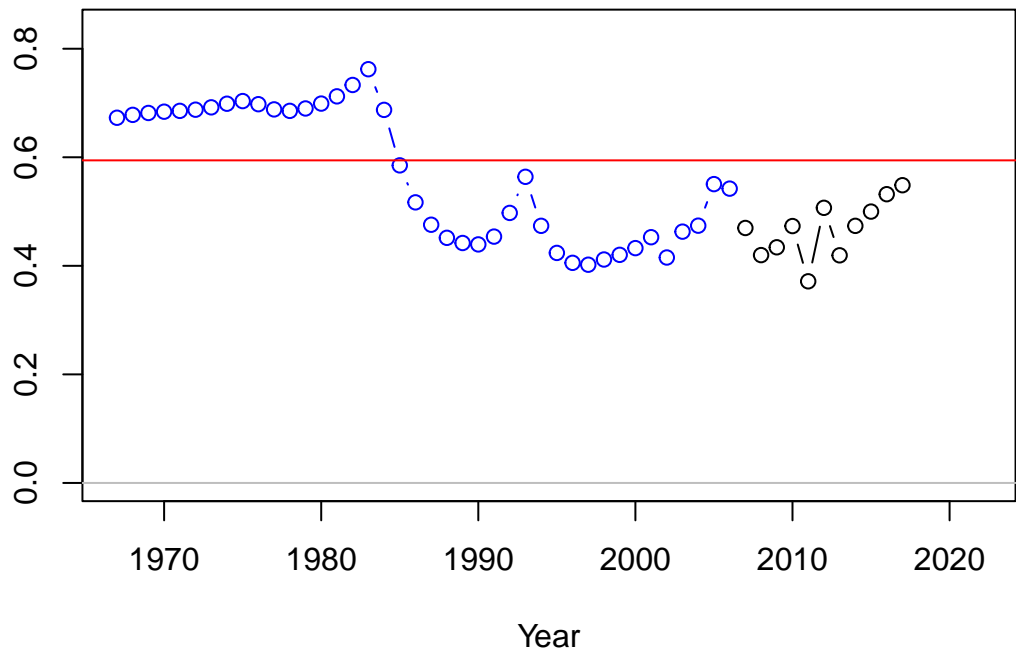


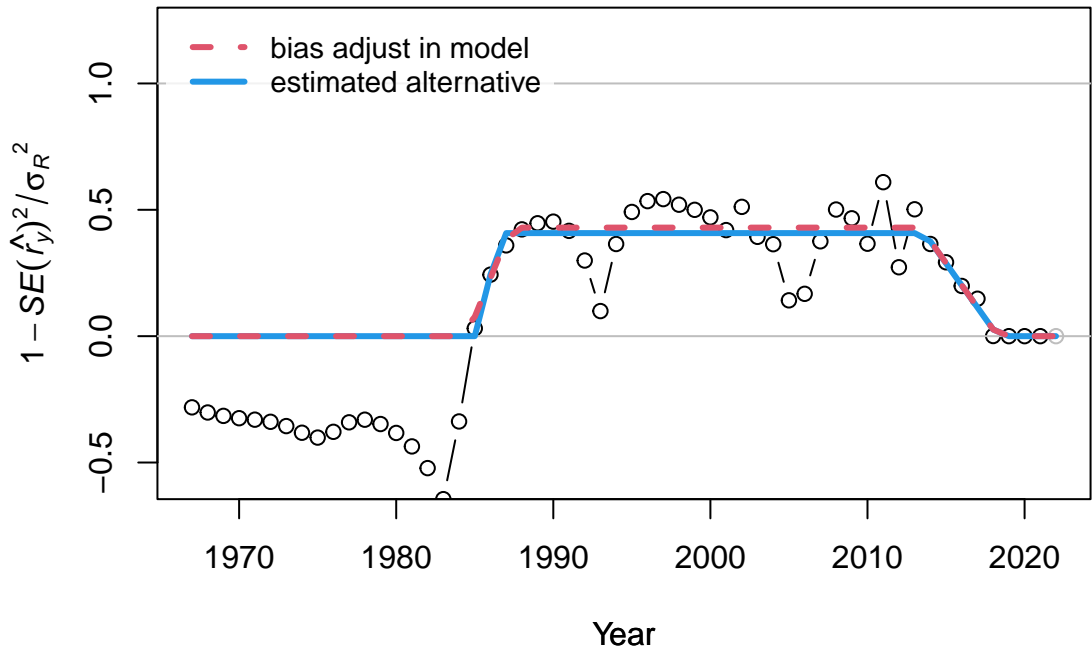
Log recruitment deviation

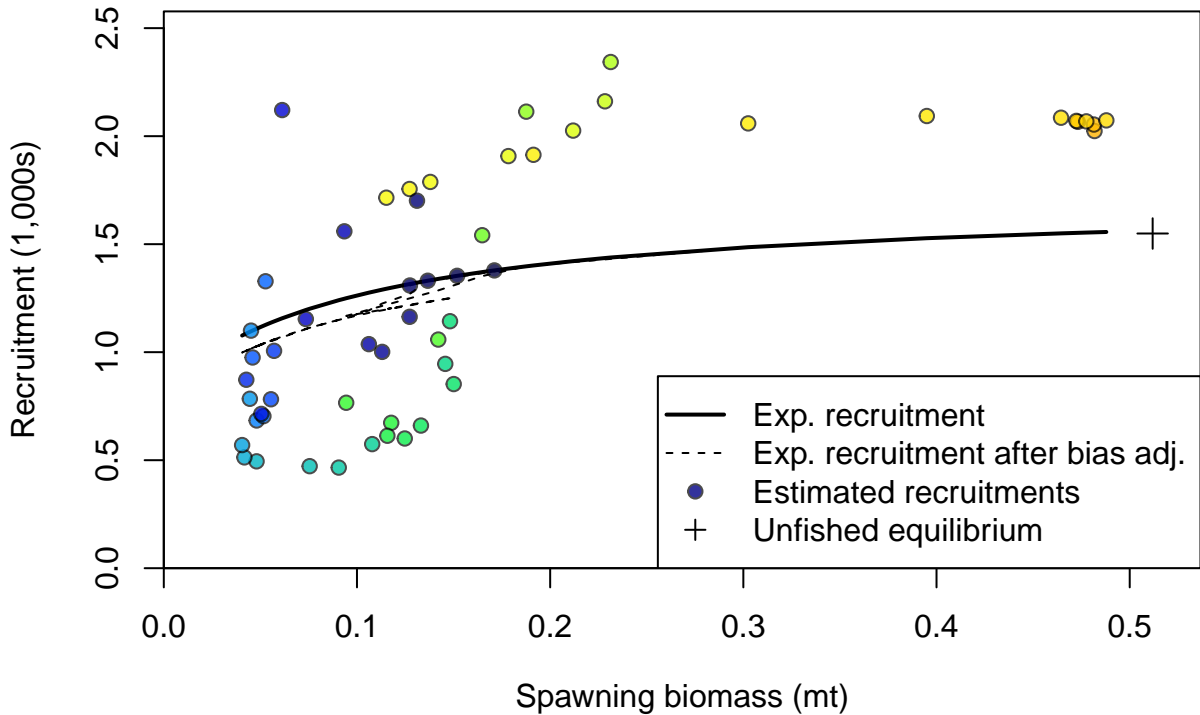


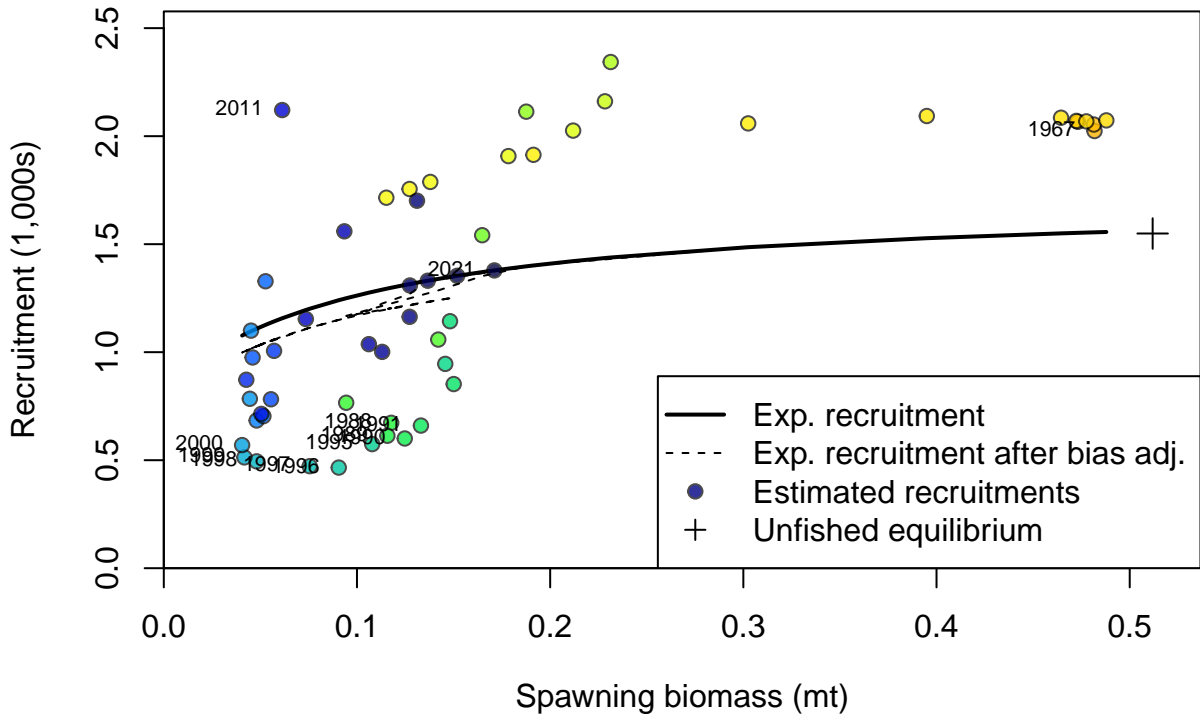
Recruitment deviation variance

Asymptotic standard error estimate

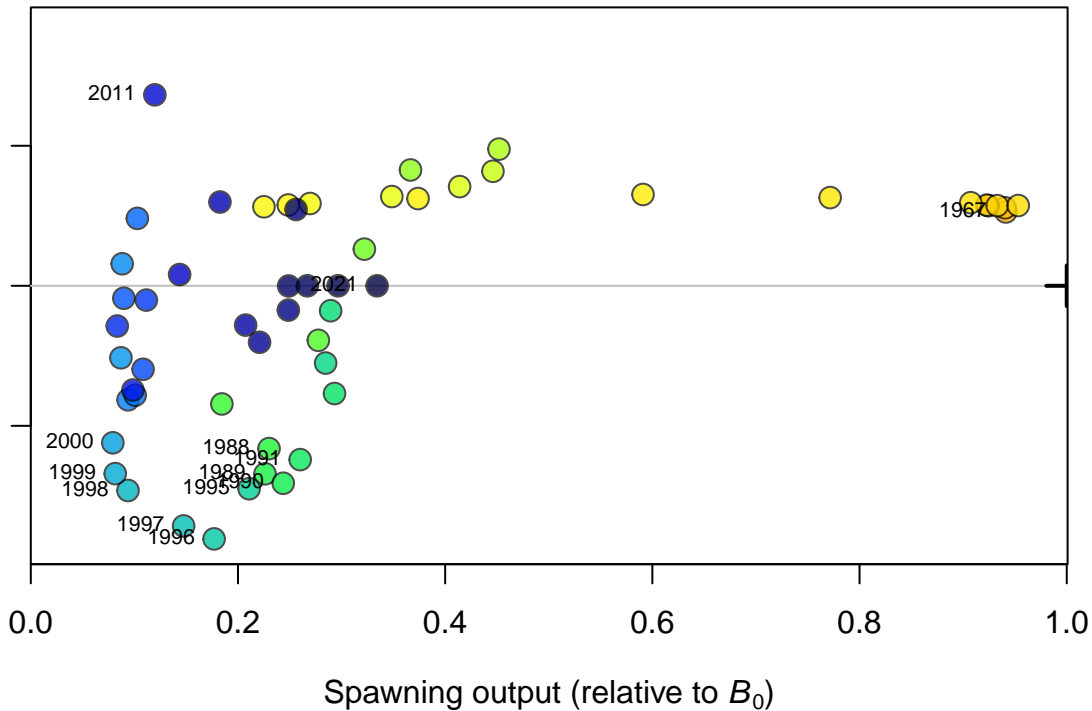


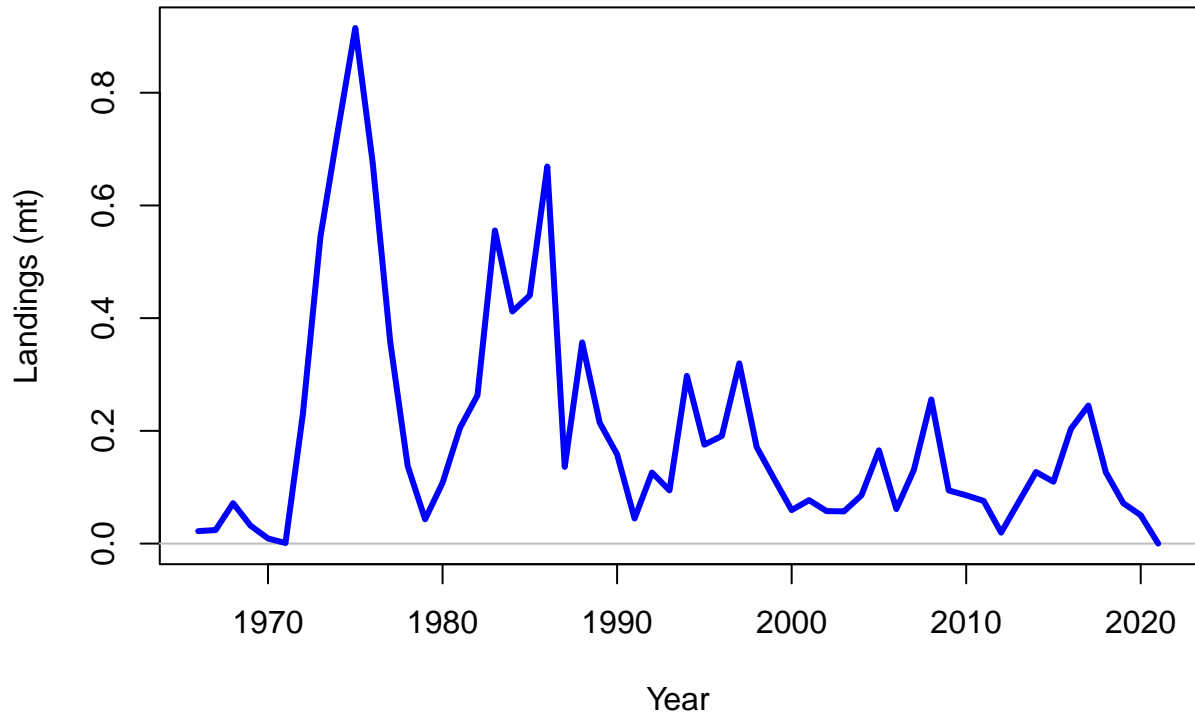


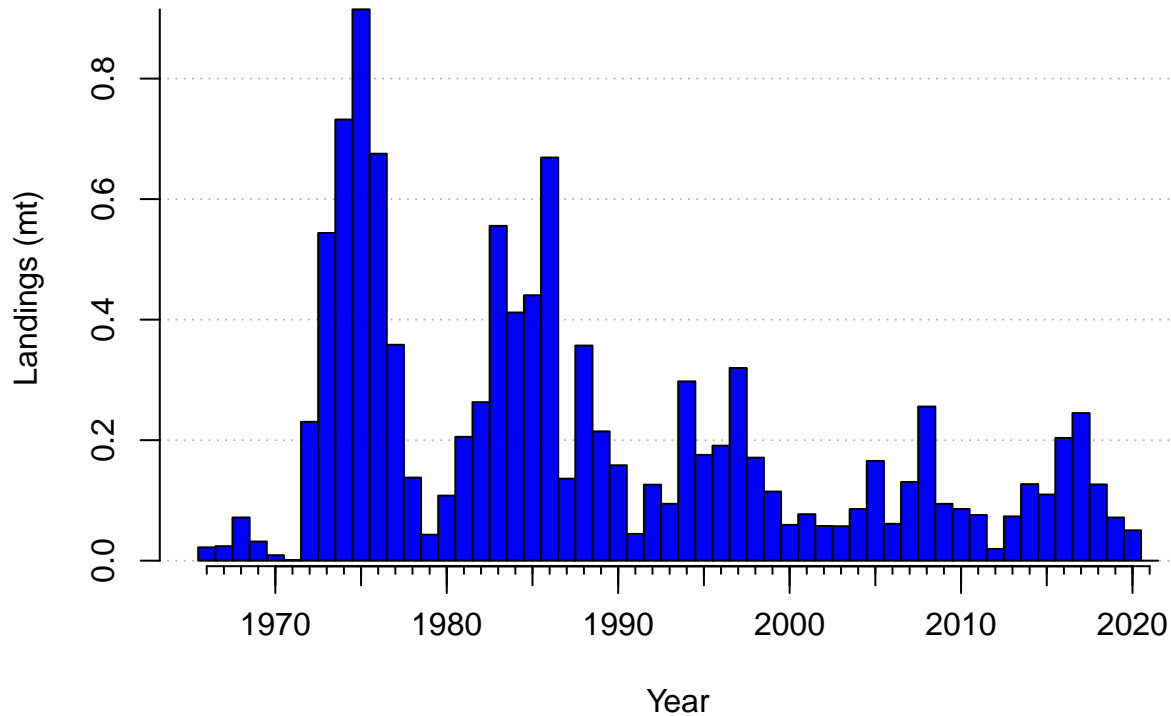


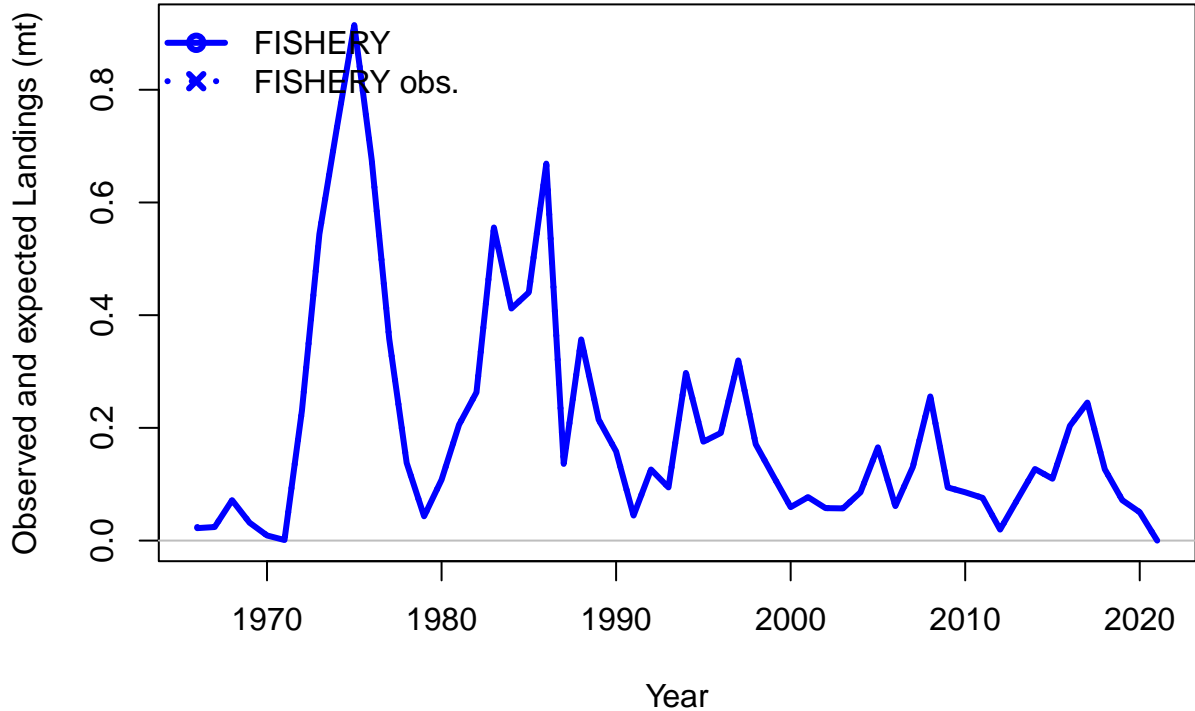


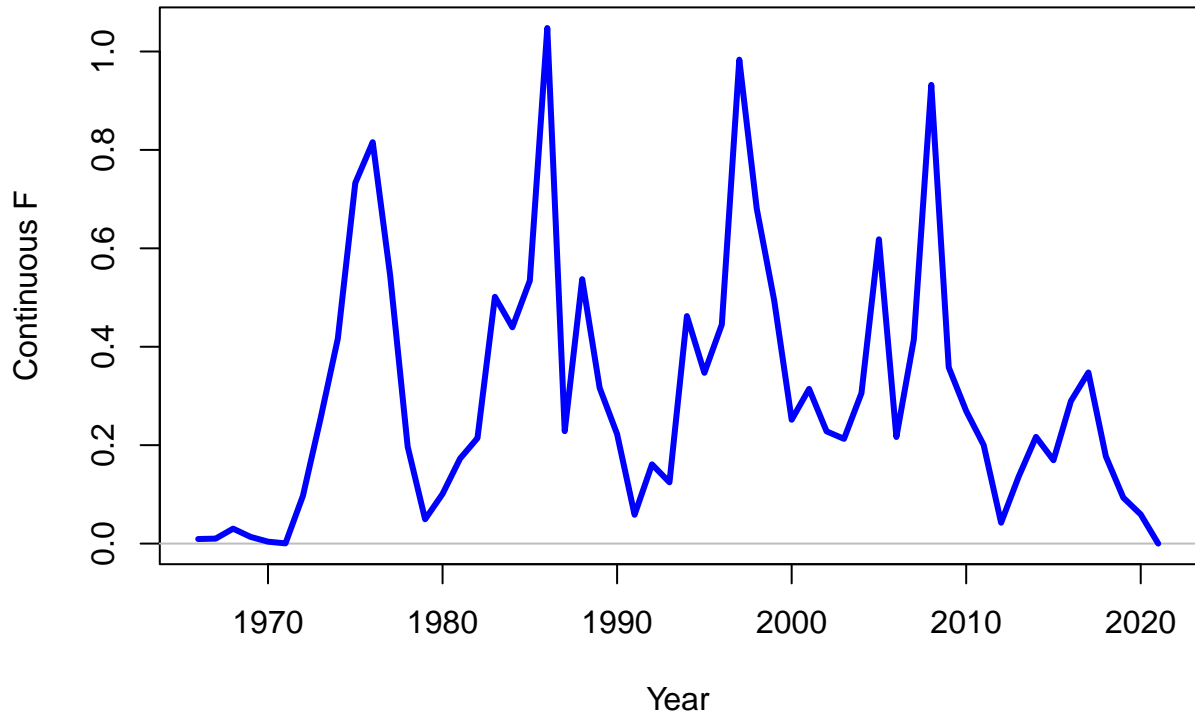
Log recruitment deviation



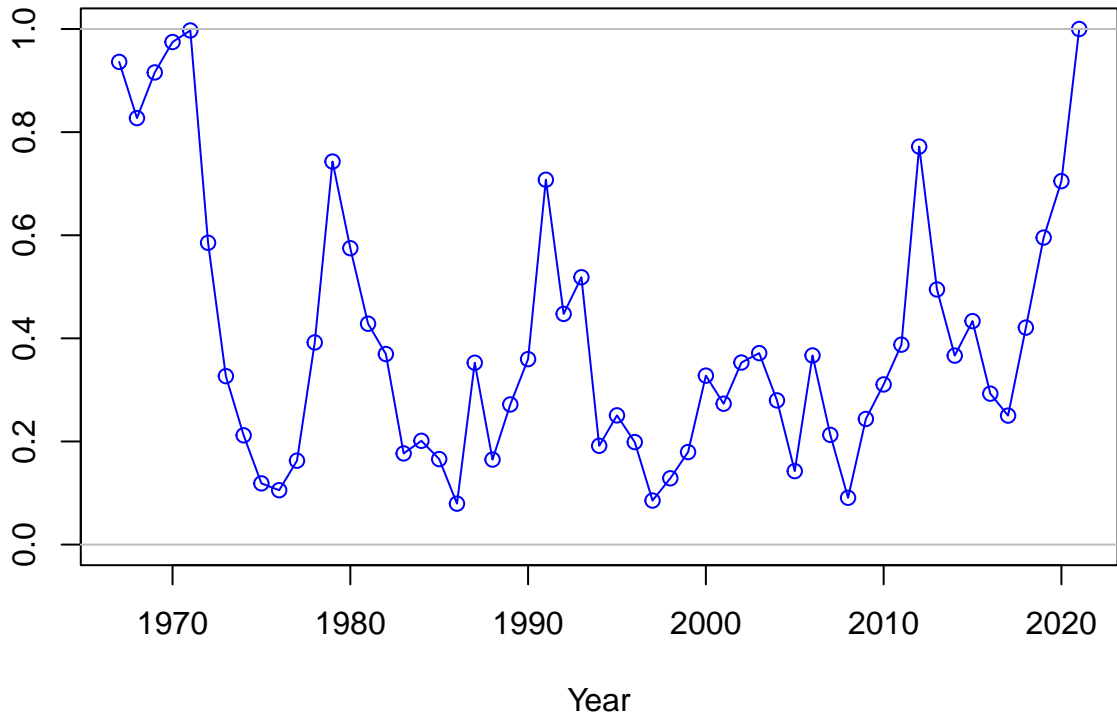




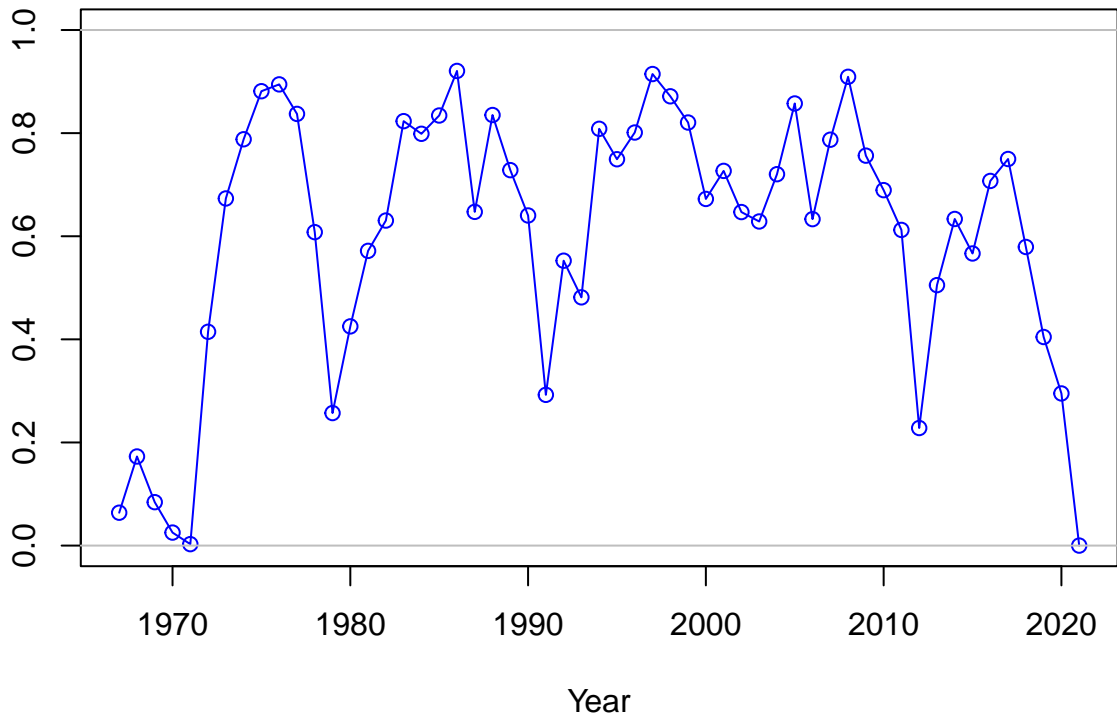




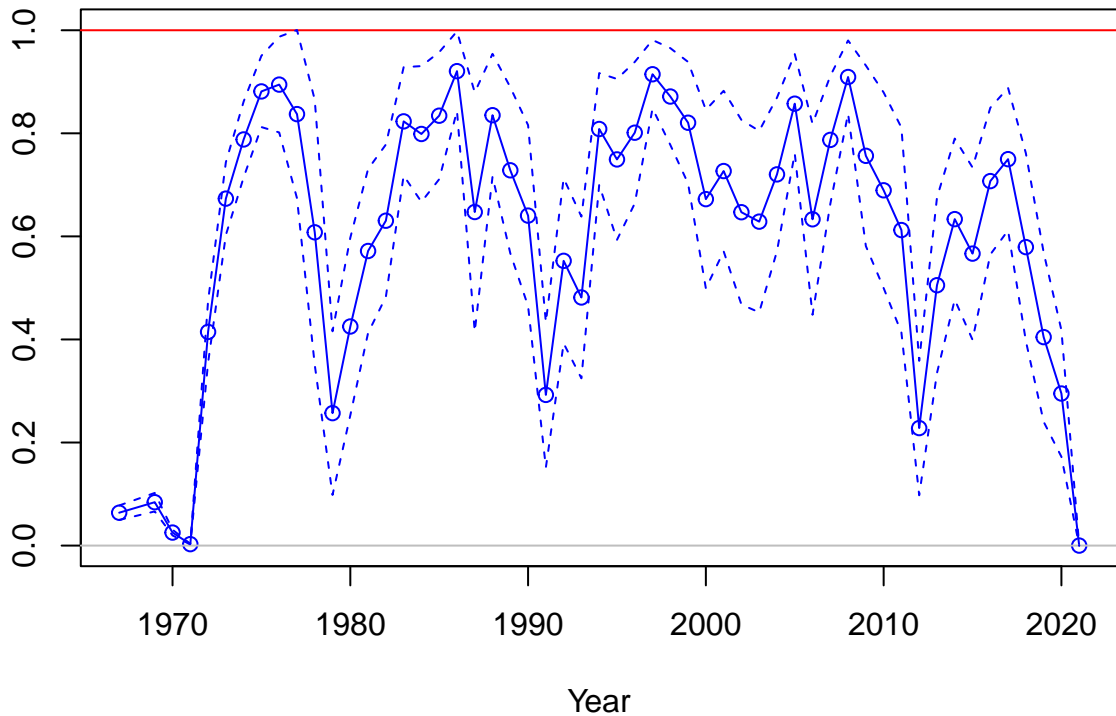
SPR



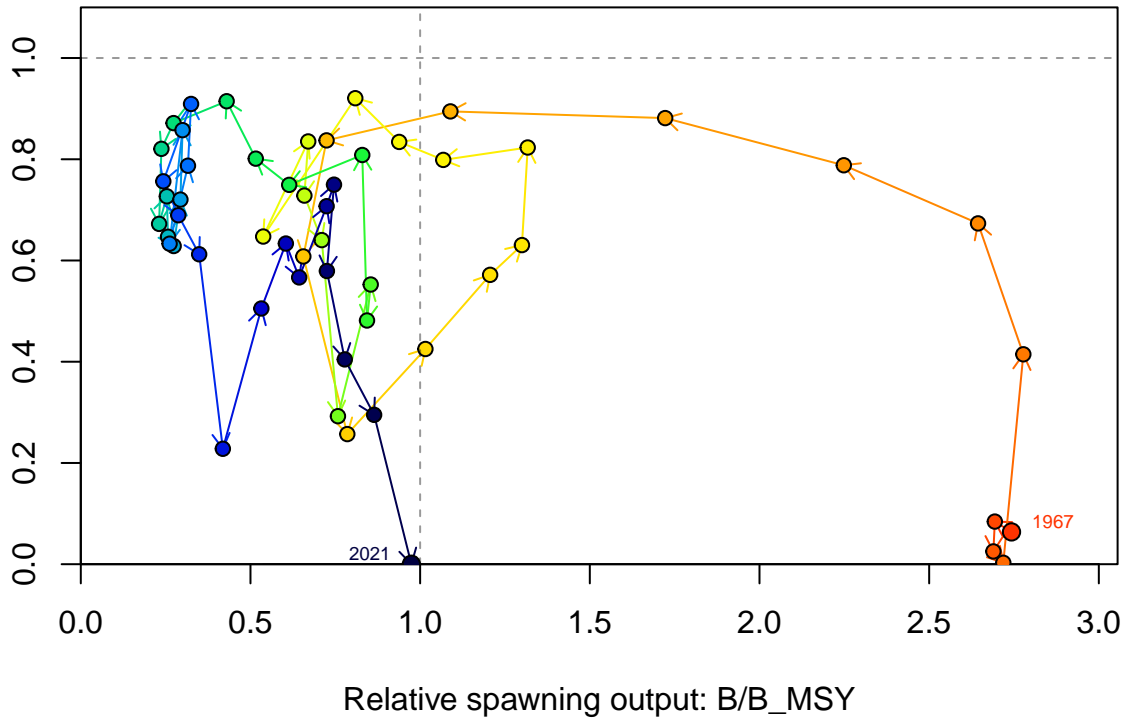
1-SPR



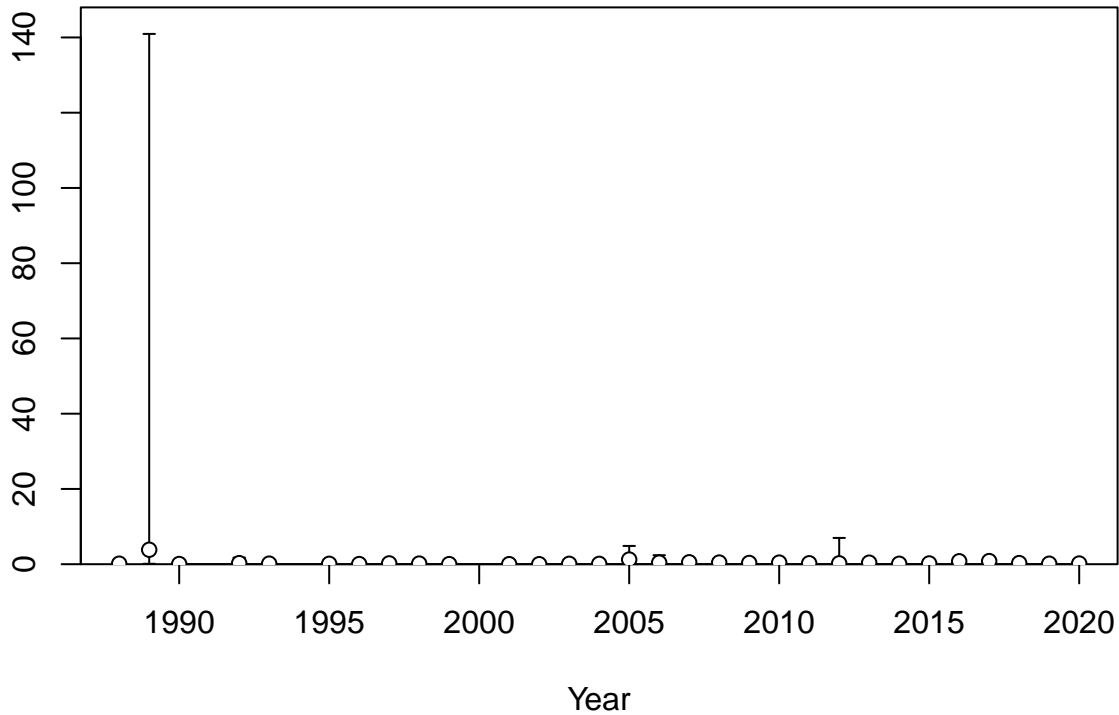
Fishing intensity: 1-SPR



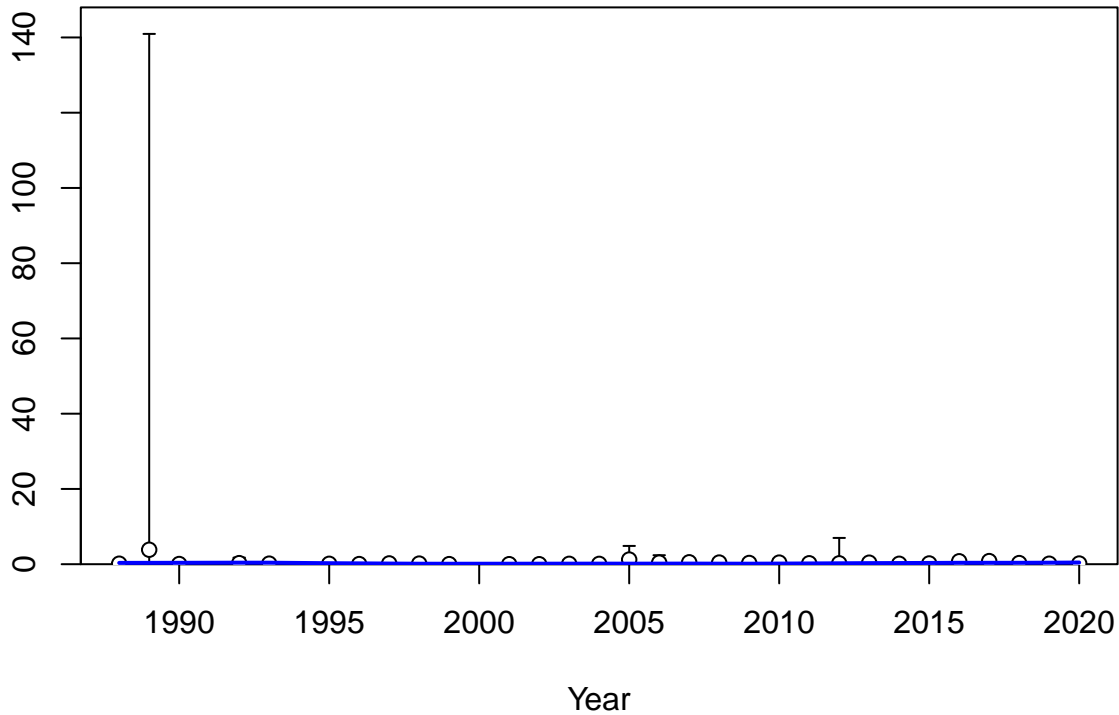
Fishing intensity: 1-SPR

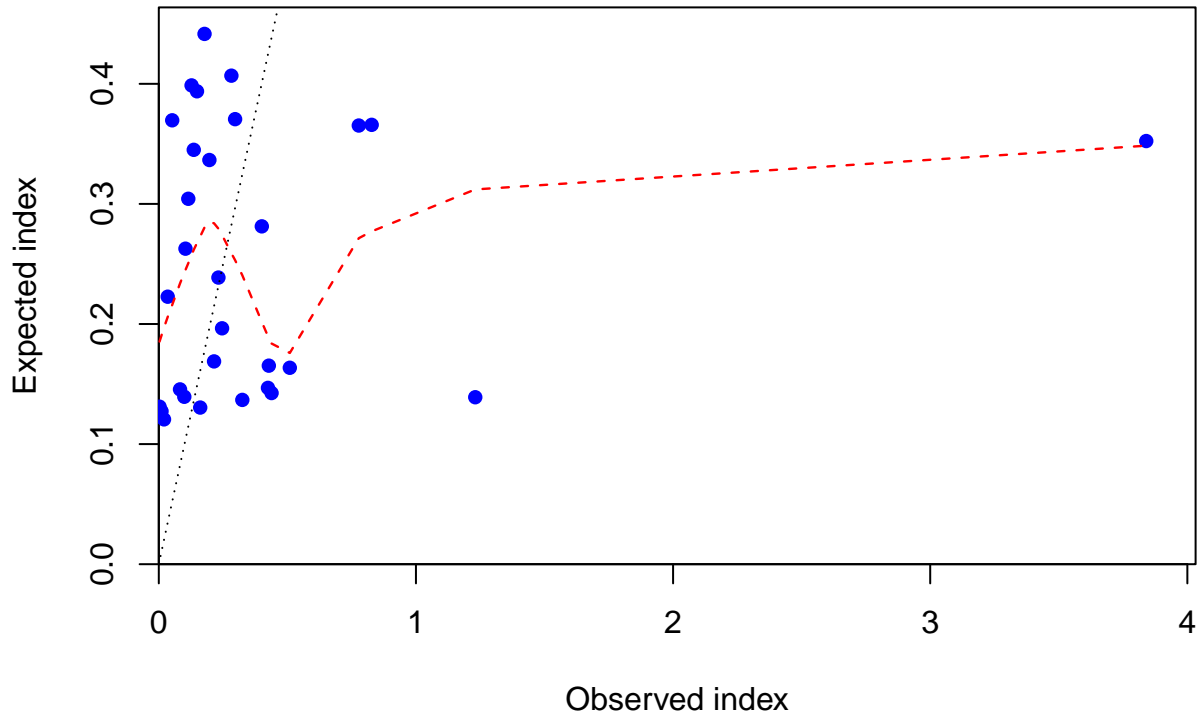


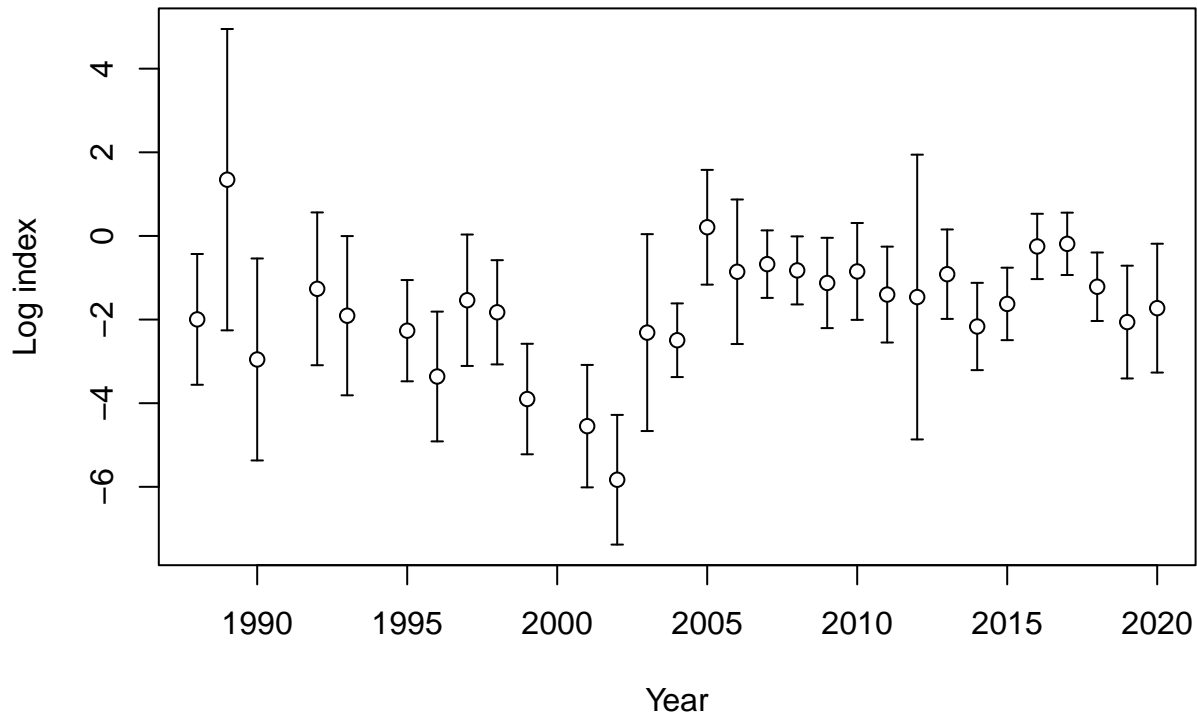
Index

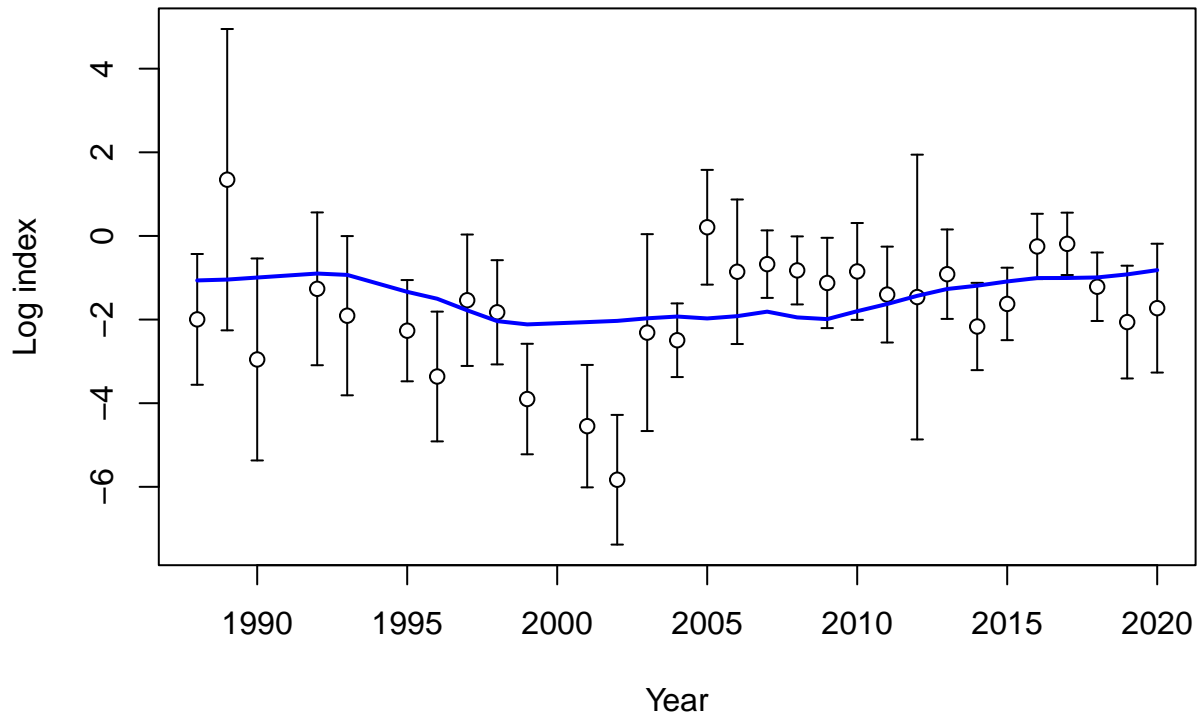


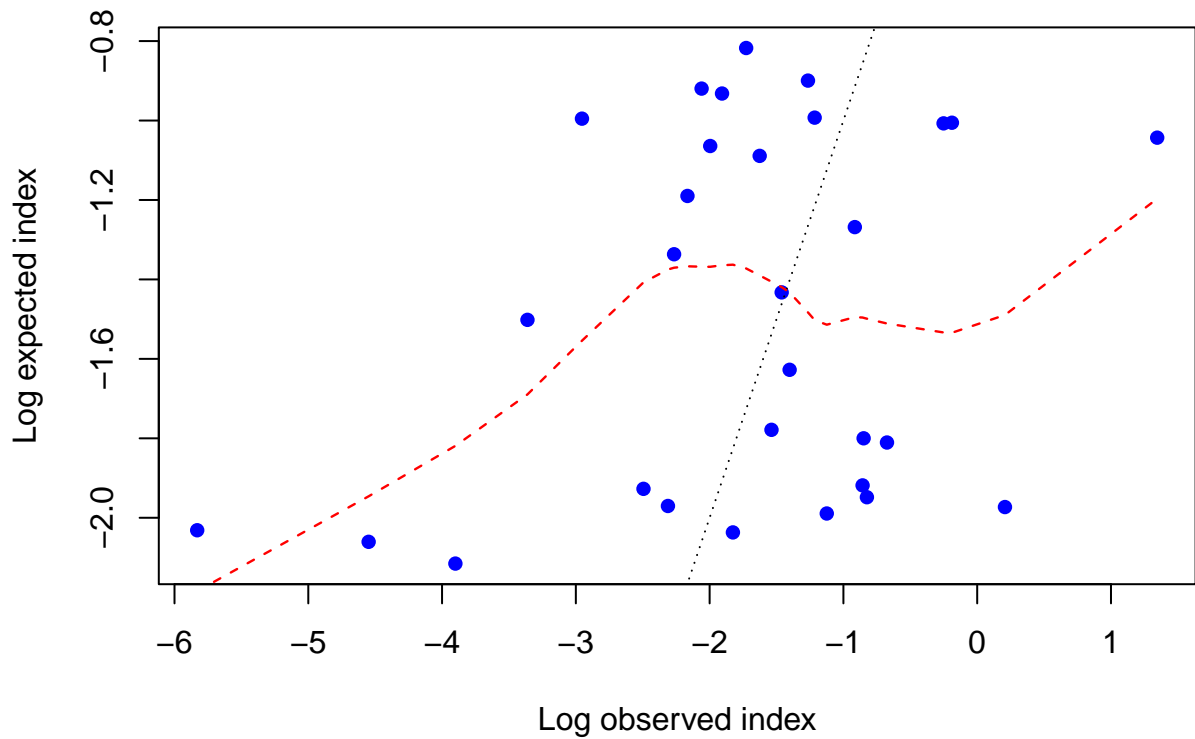
Index

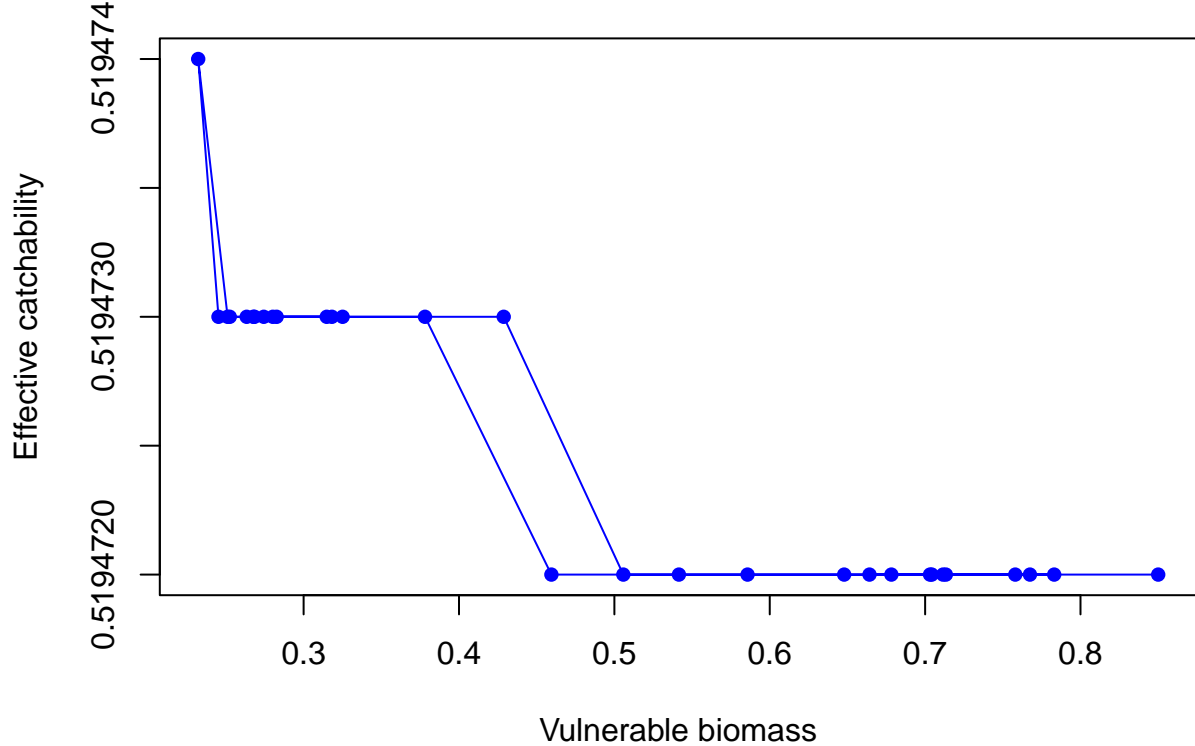


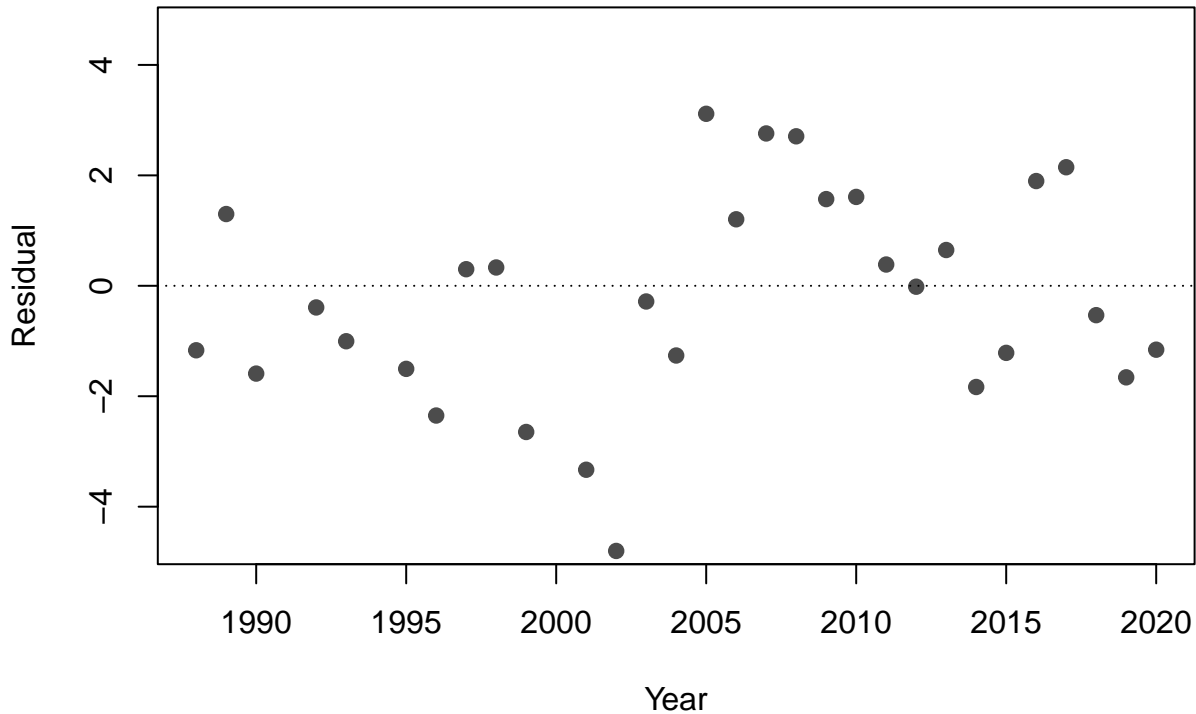


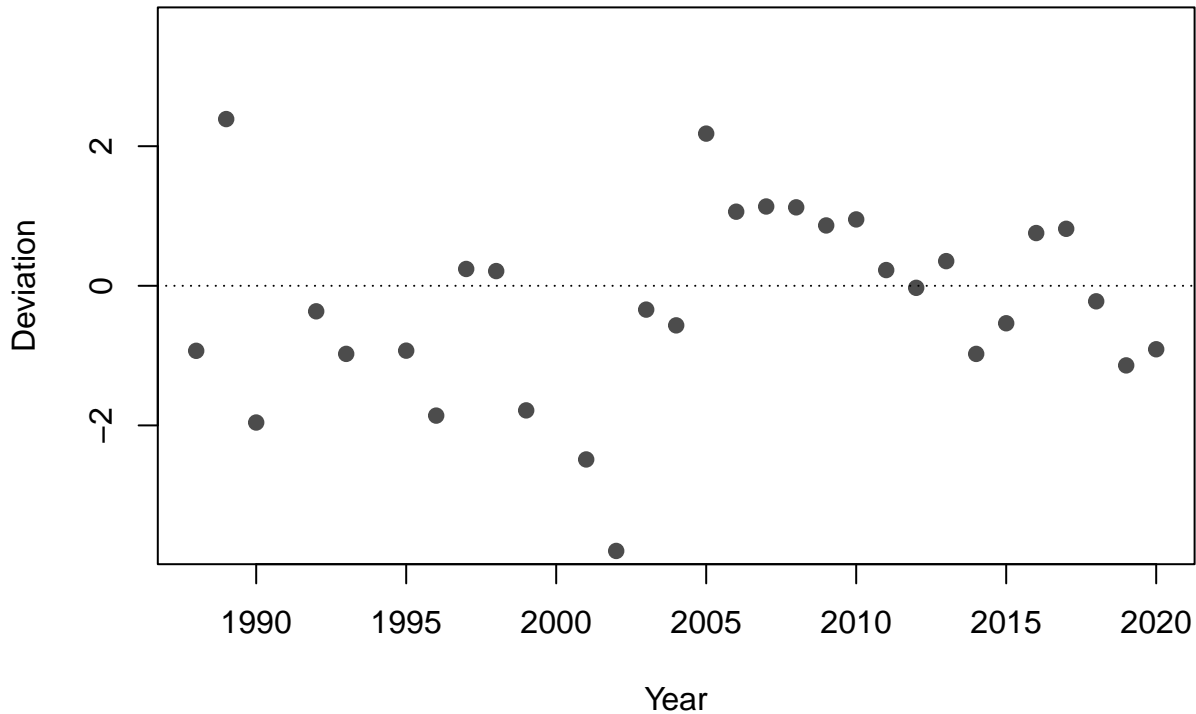


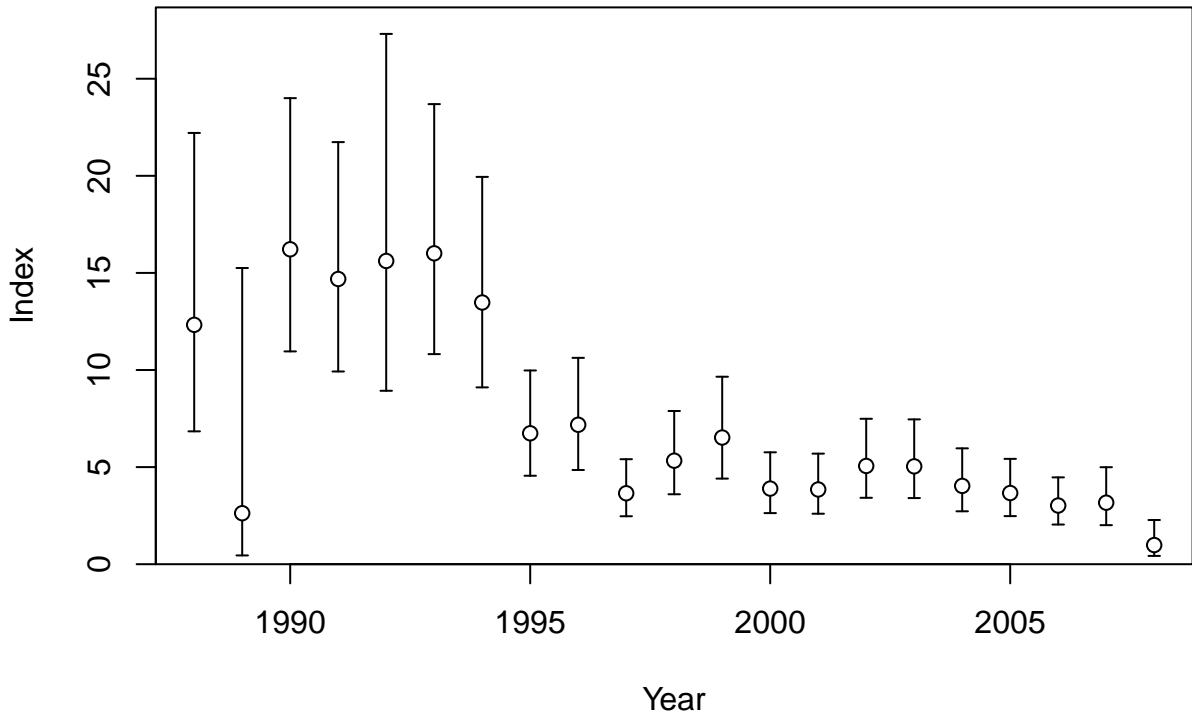


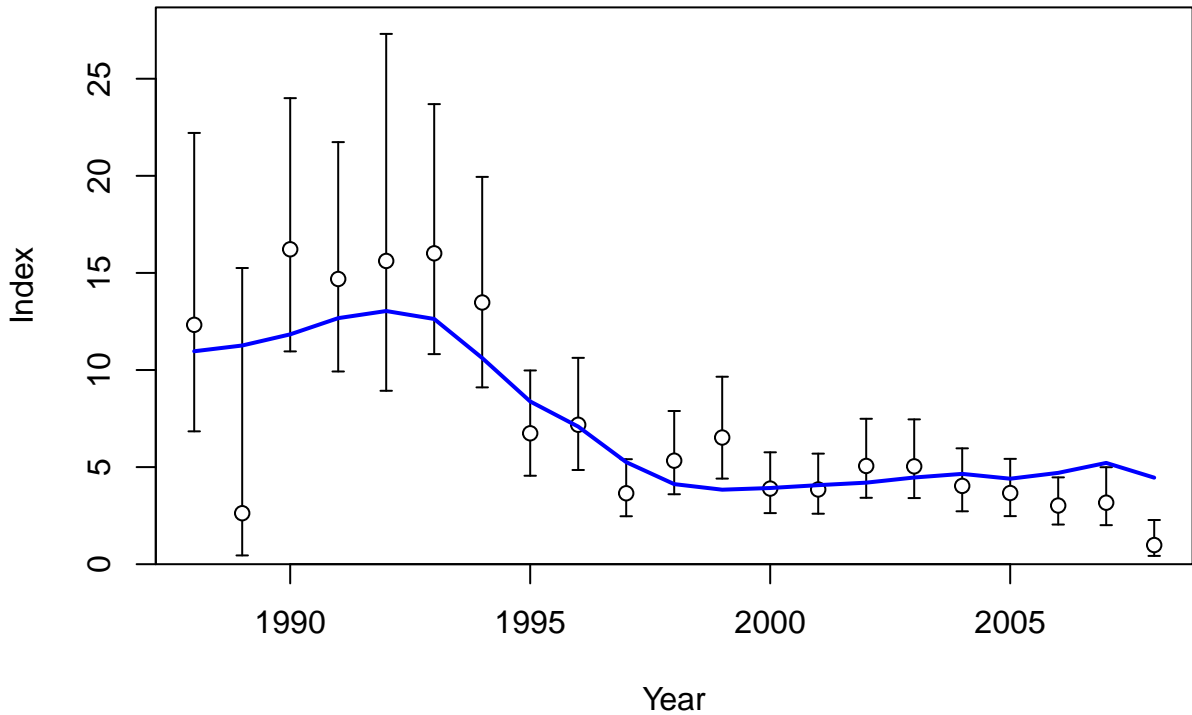


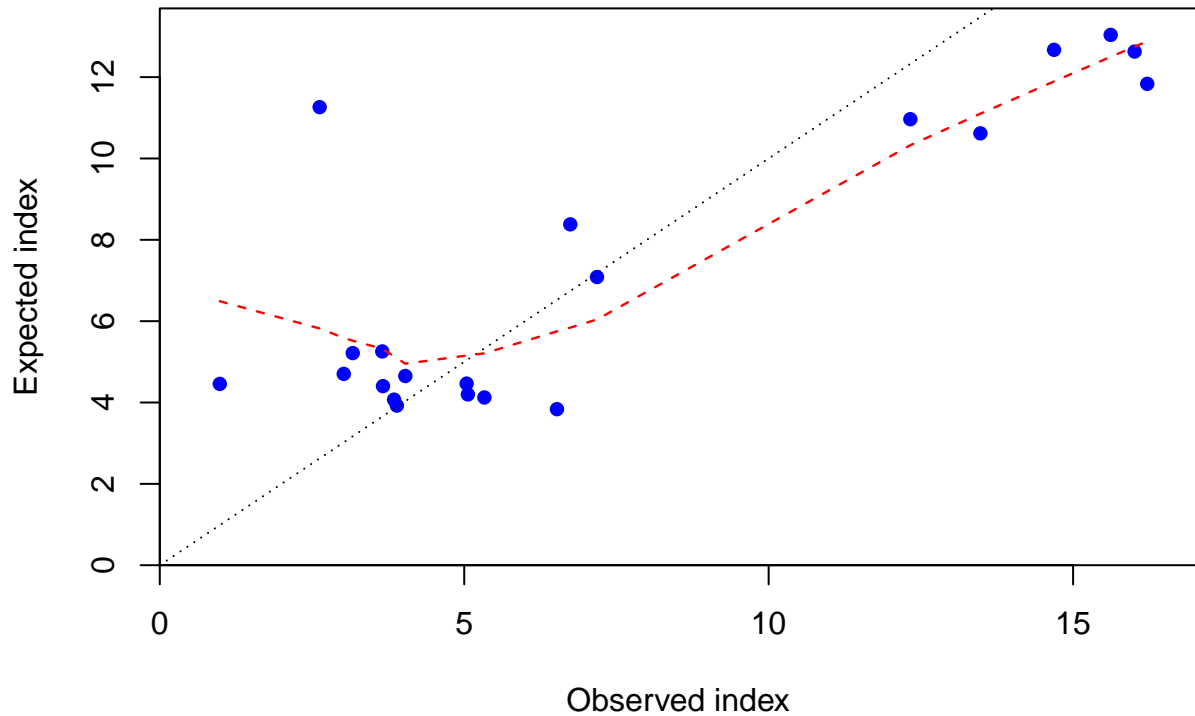


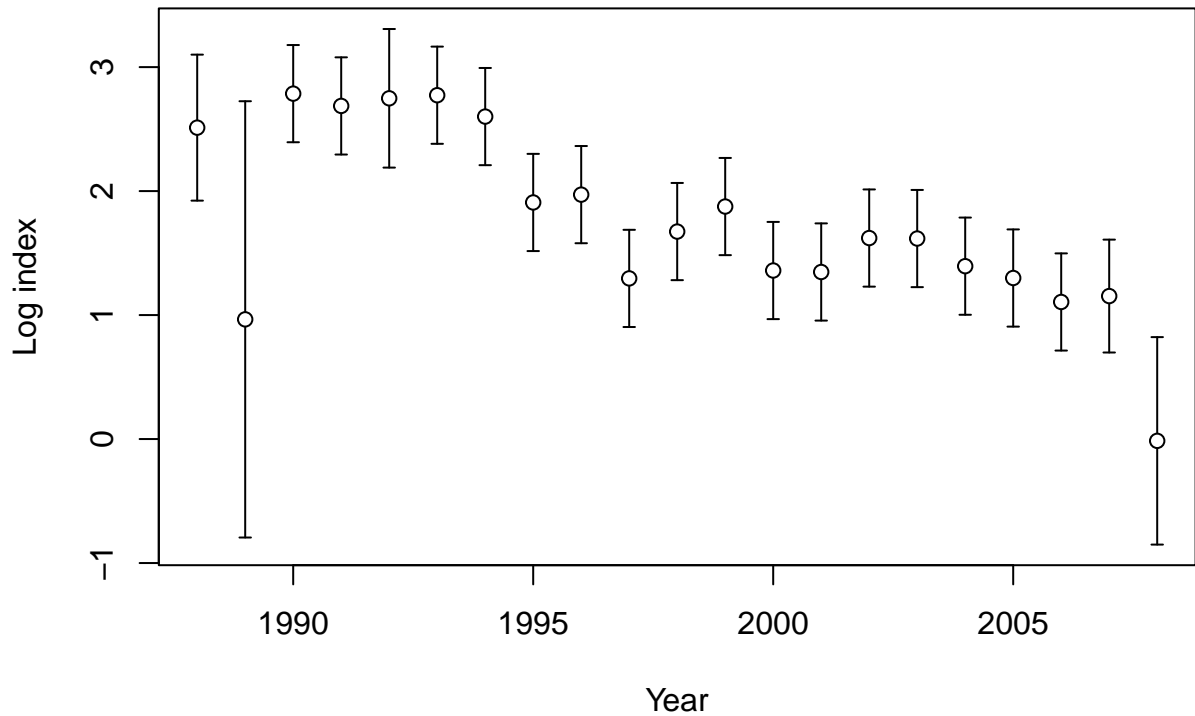


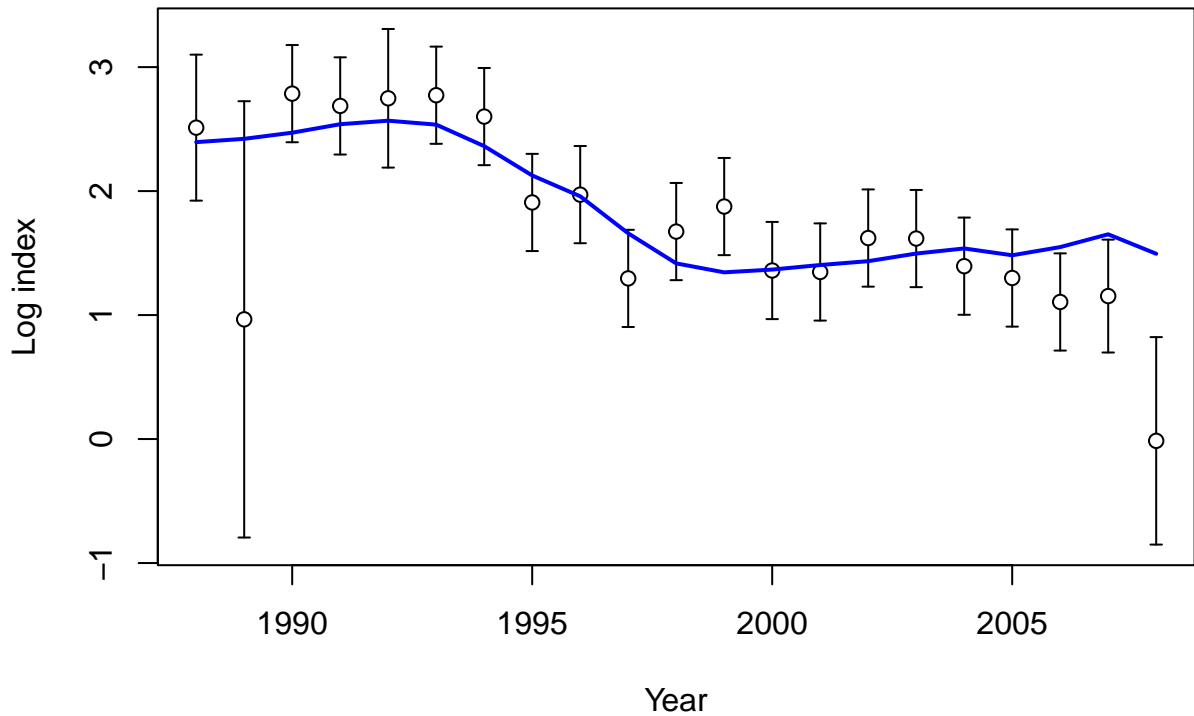




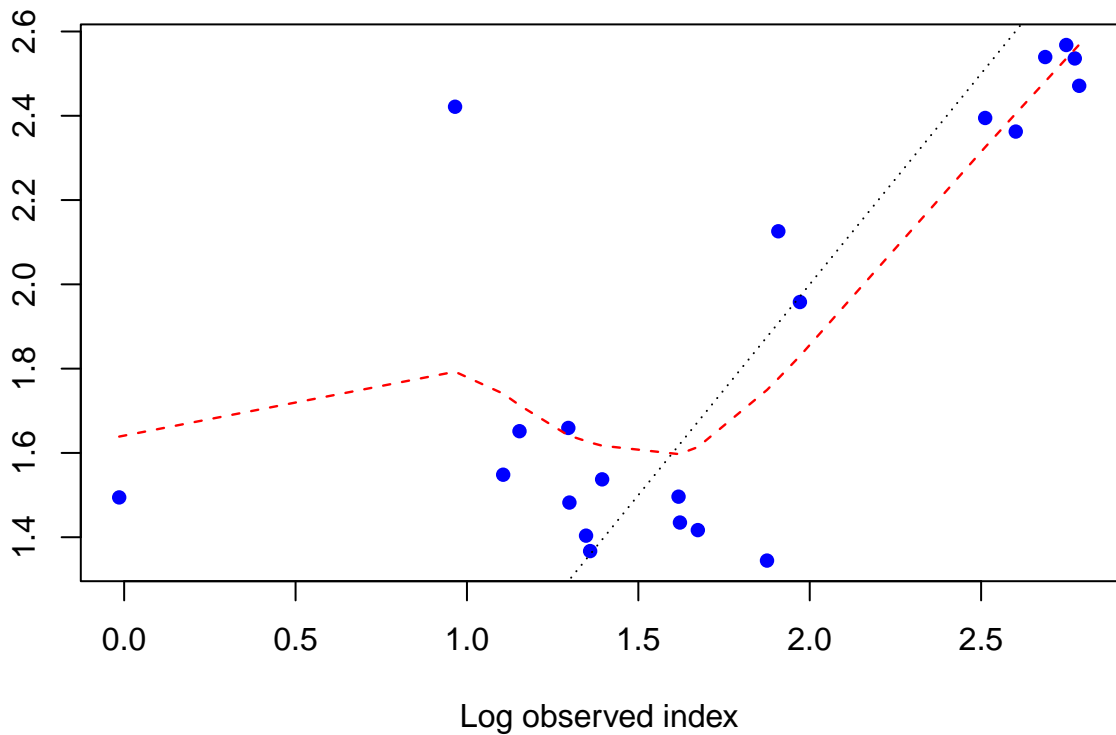


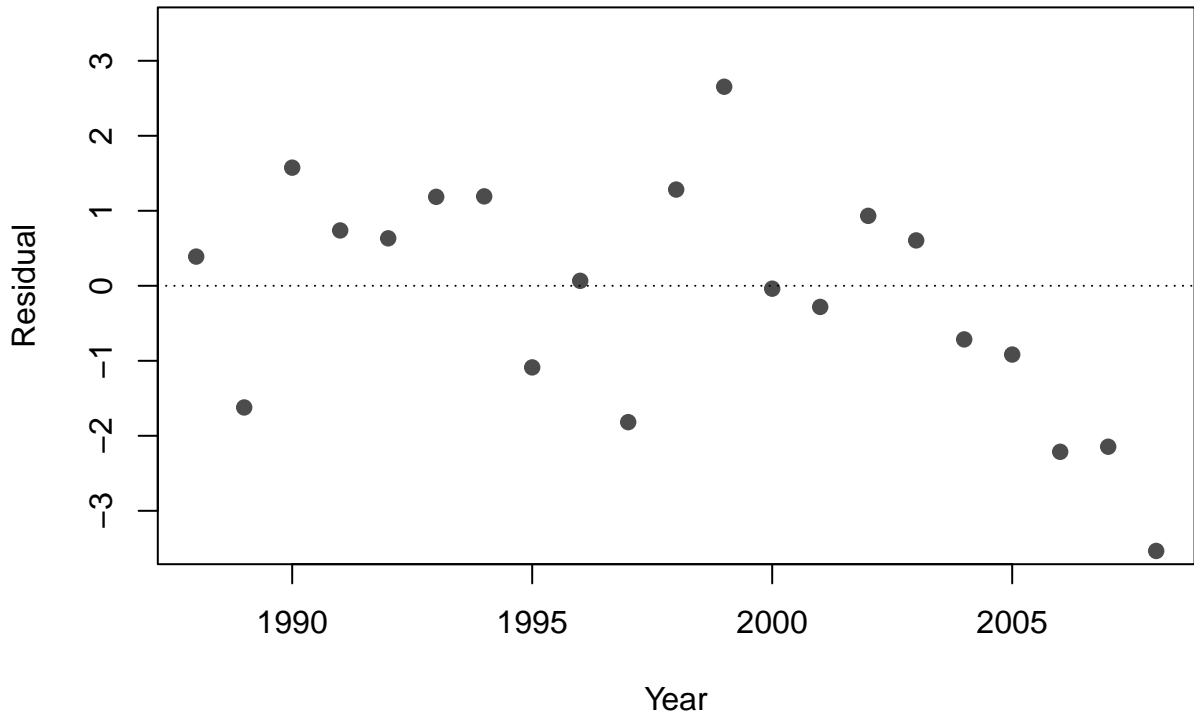






Log expected index





Deviation

1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5

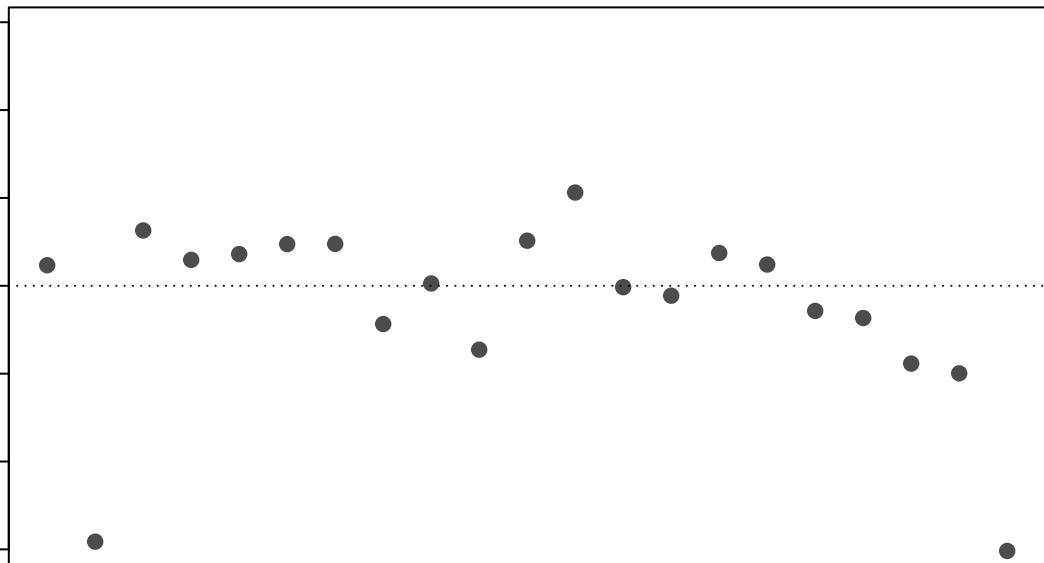
1990

1995

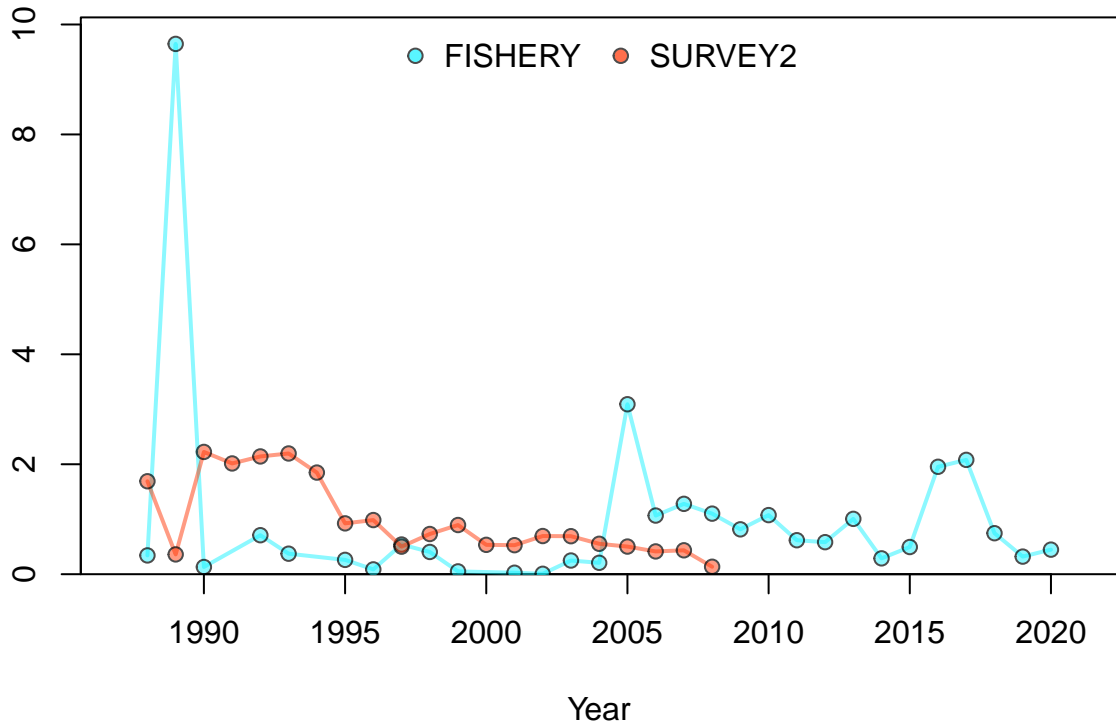
2000

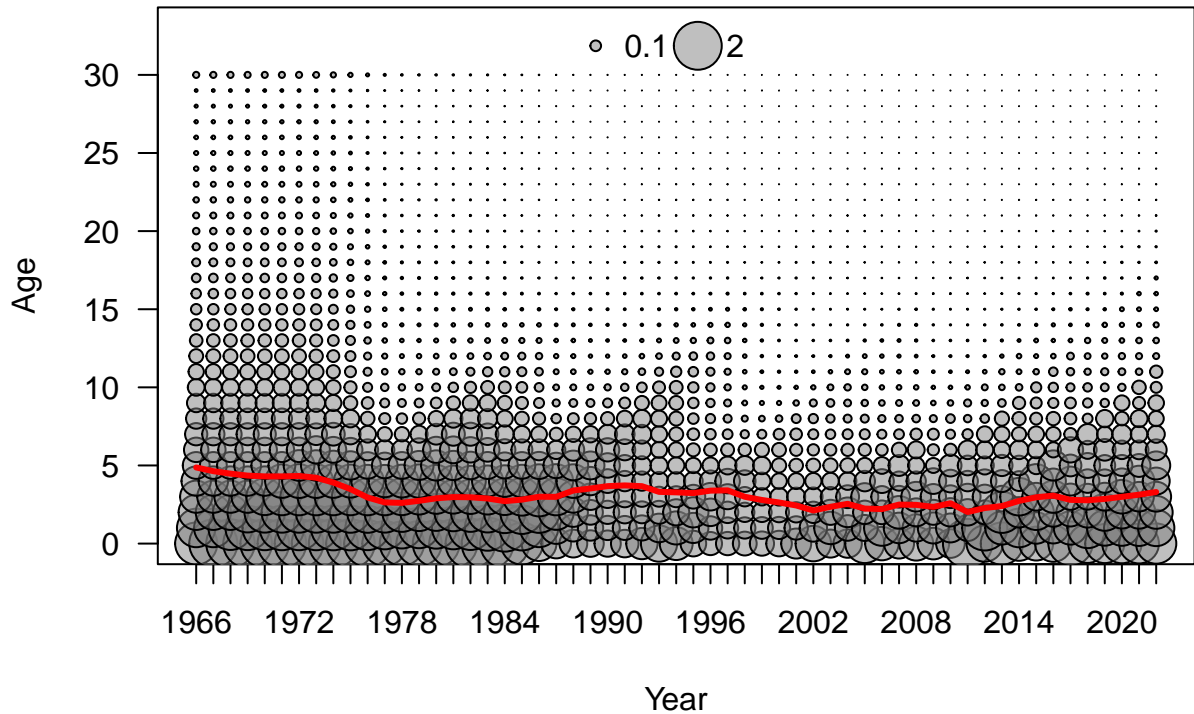
2005

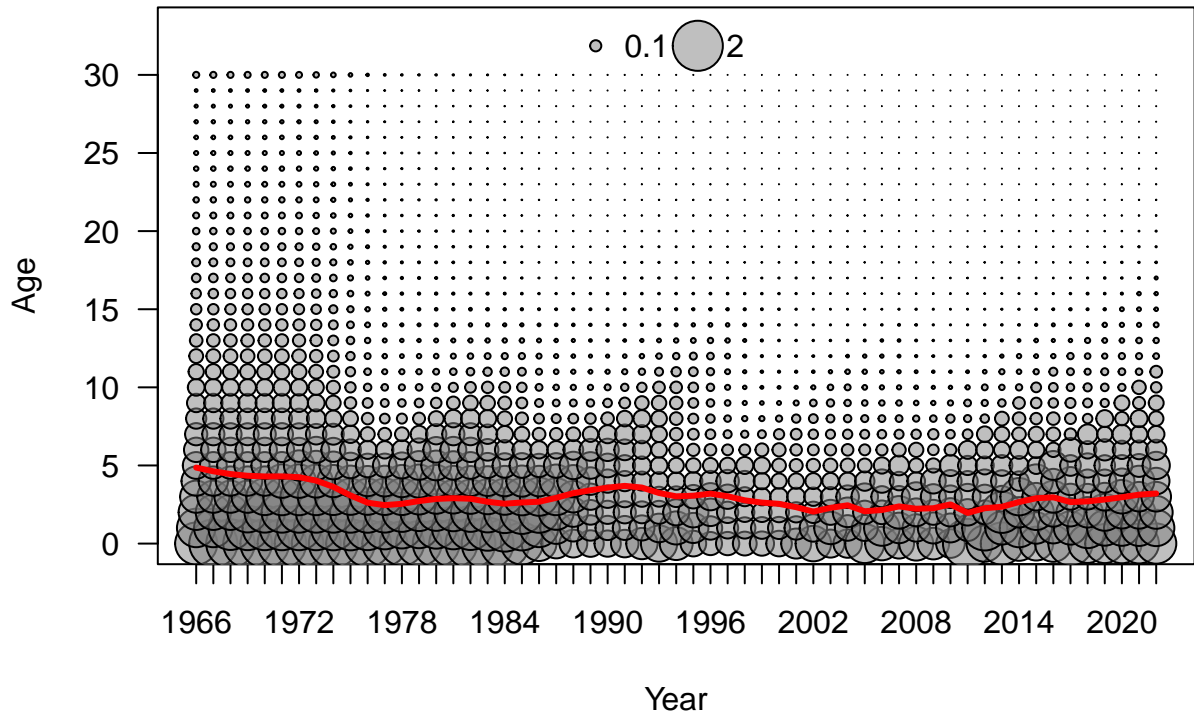
Year

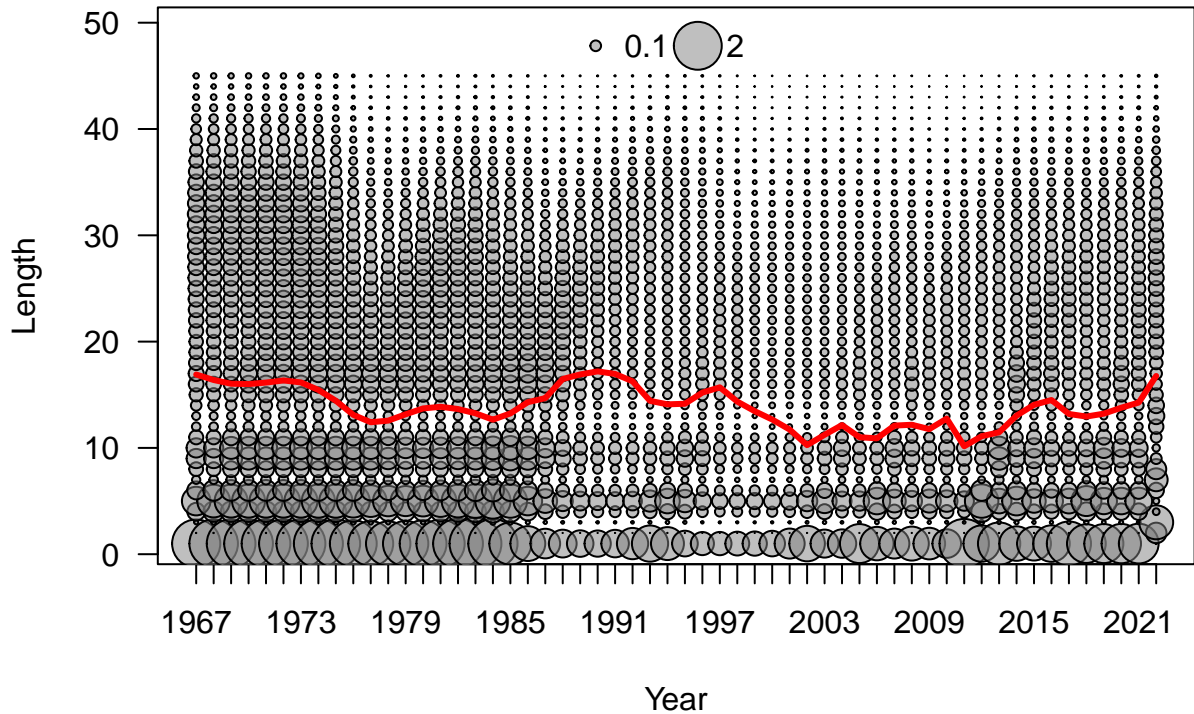


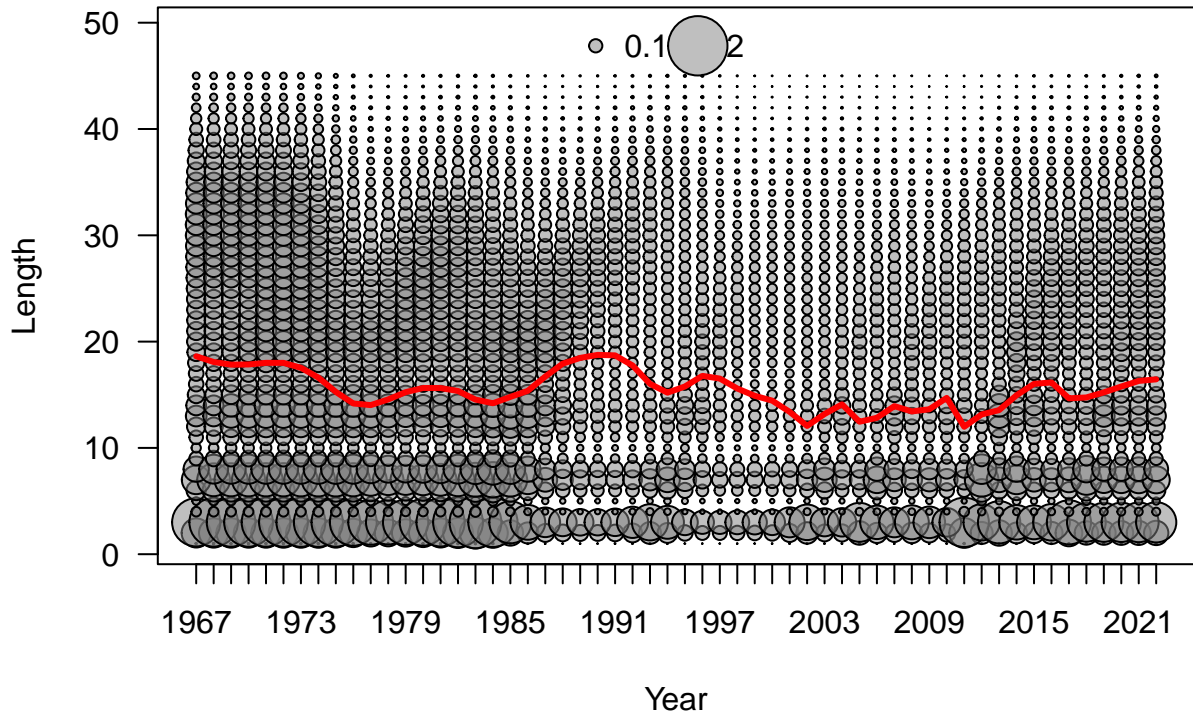
Standardized index

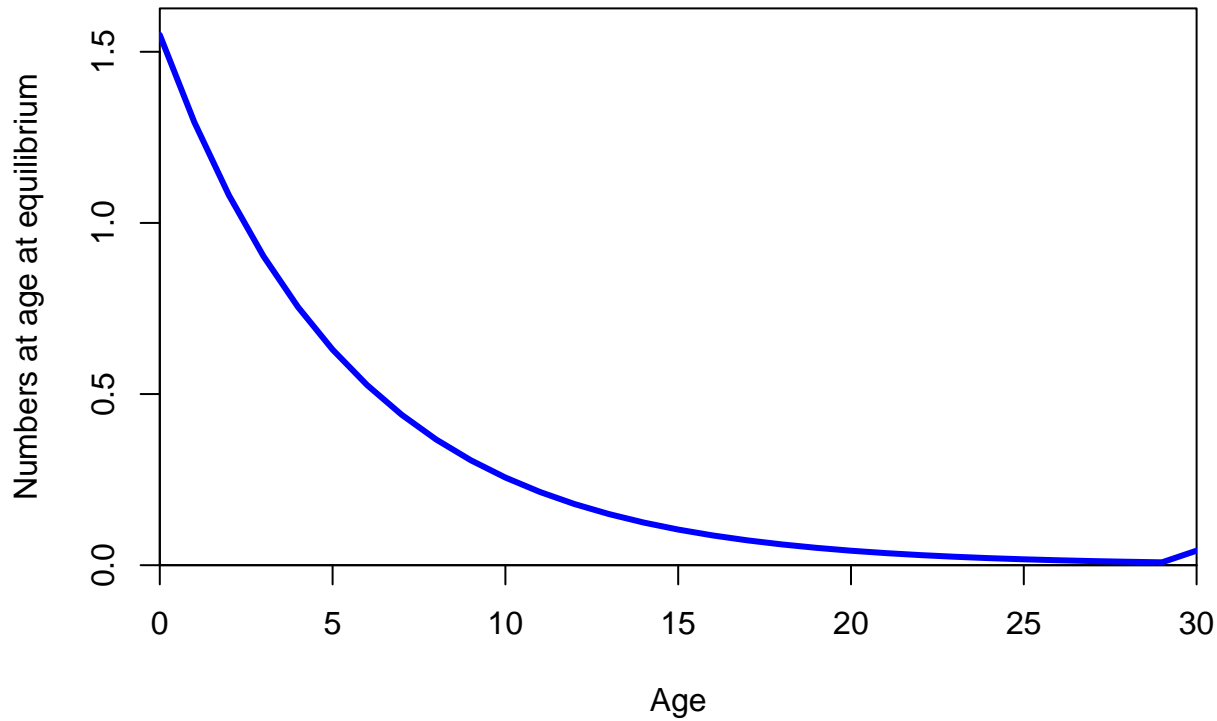


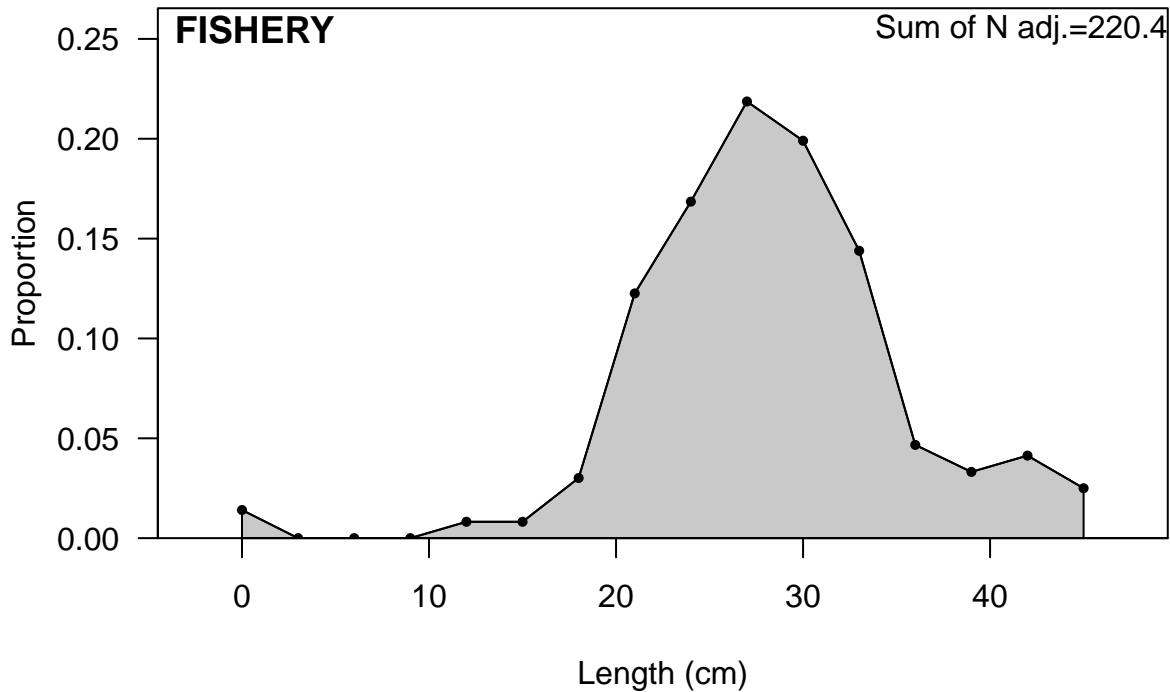


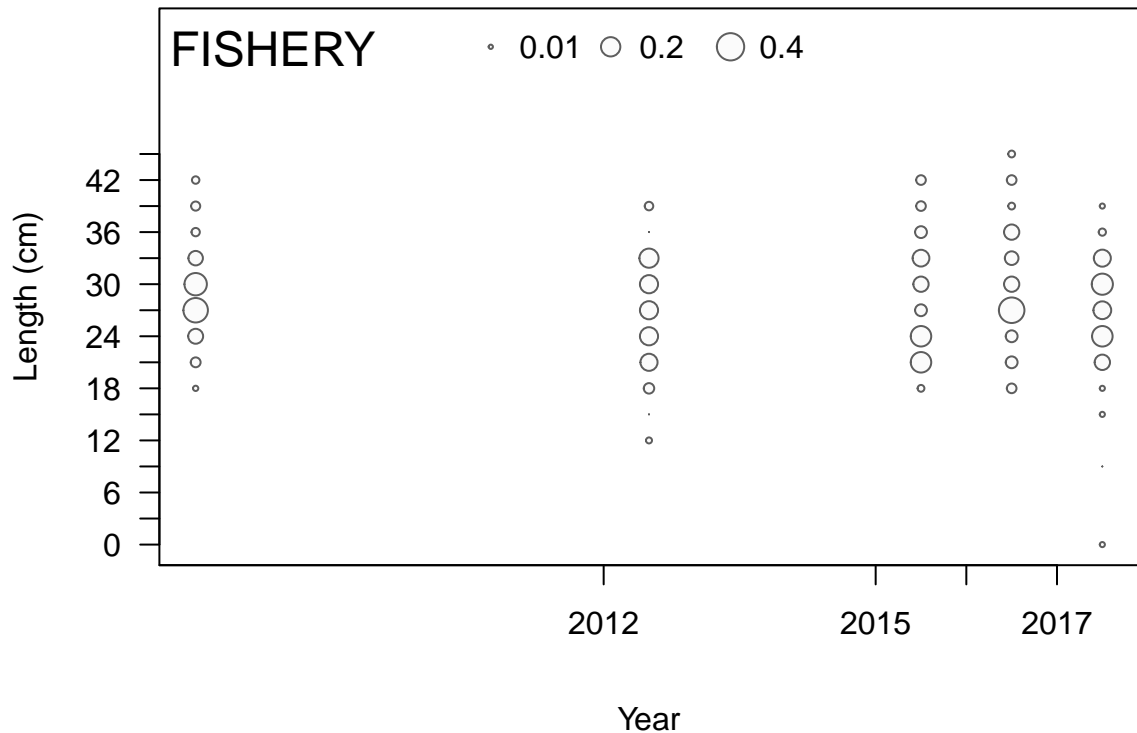




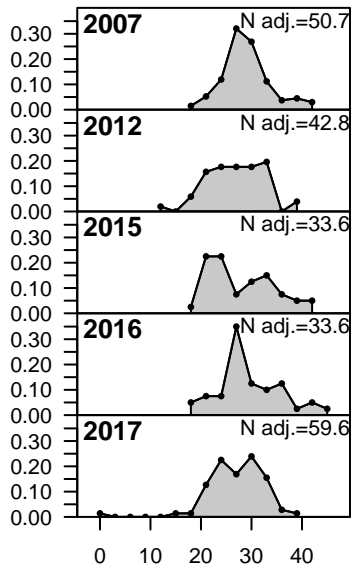




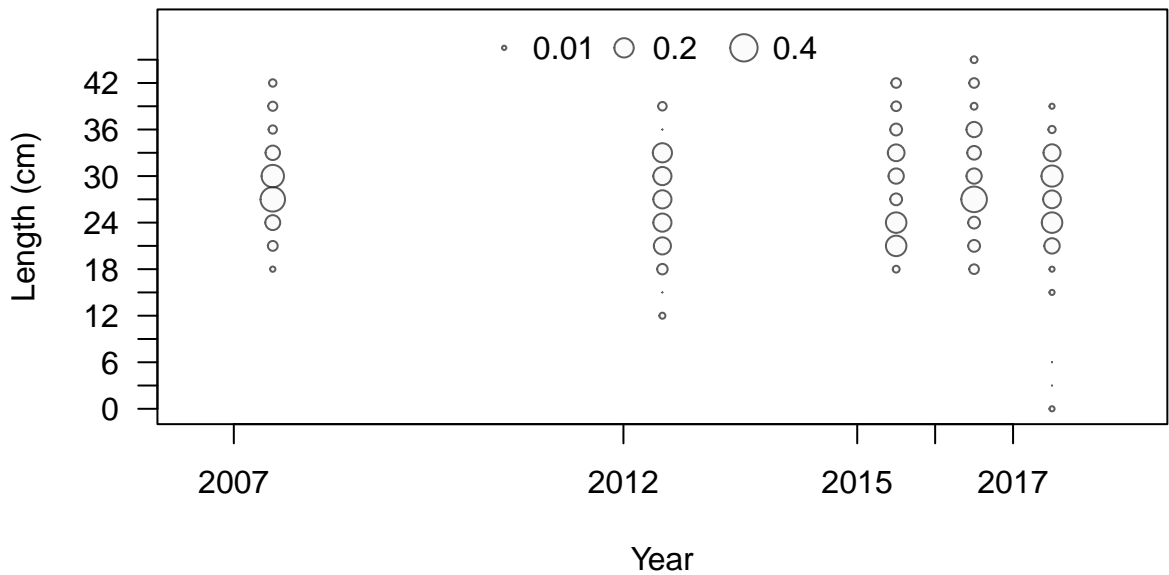




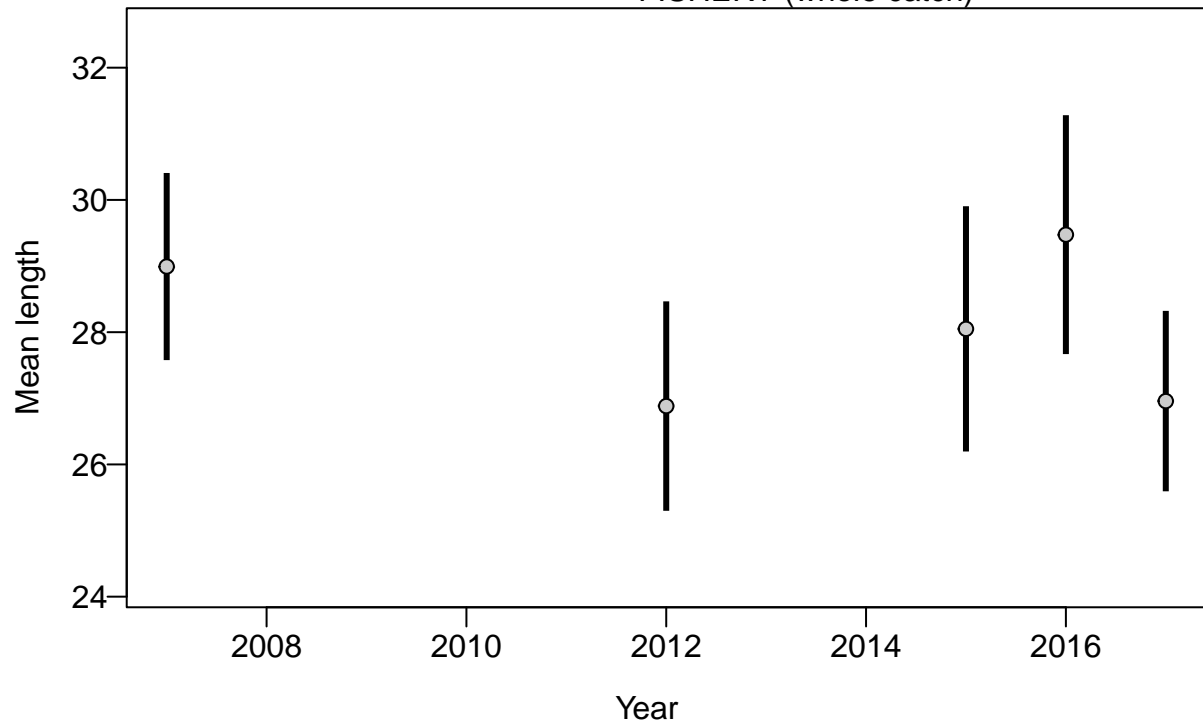
Proportion

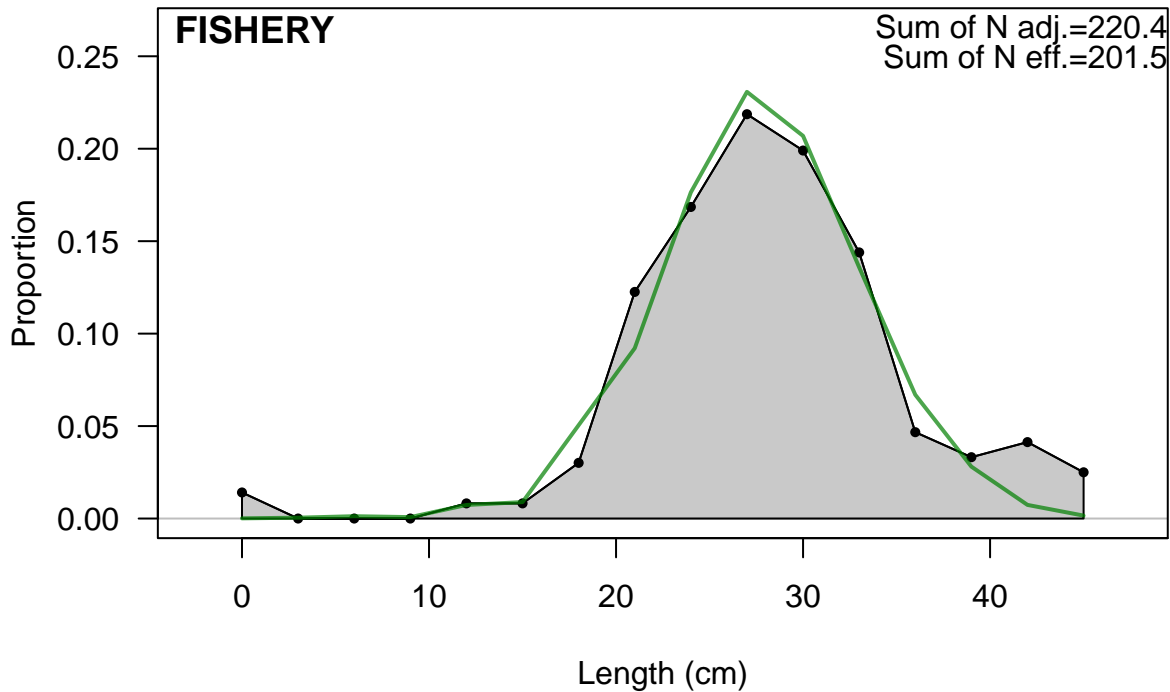


Length (cm)



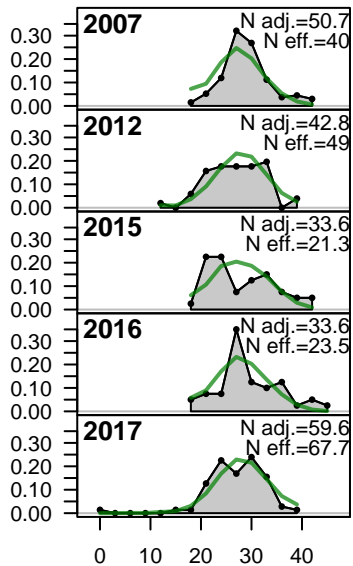
FISHERY (whole catch)



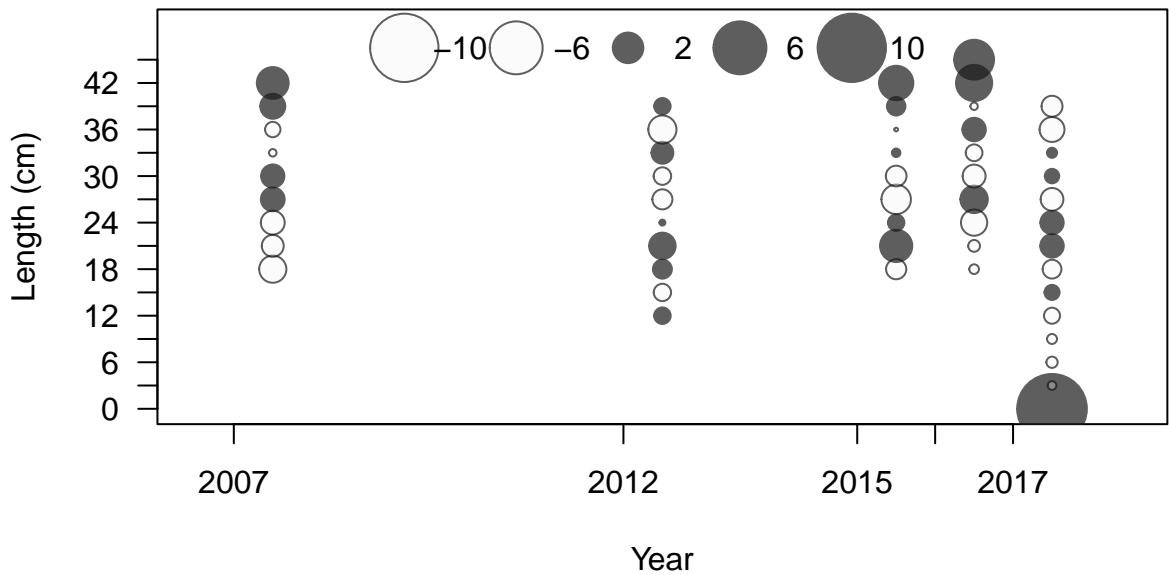




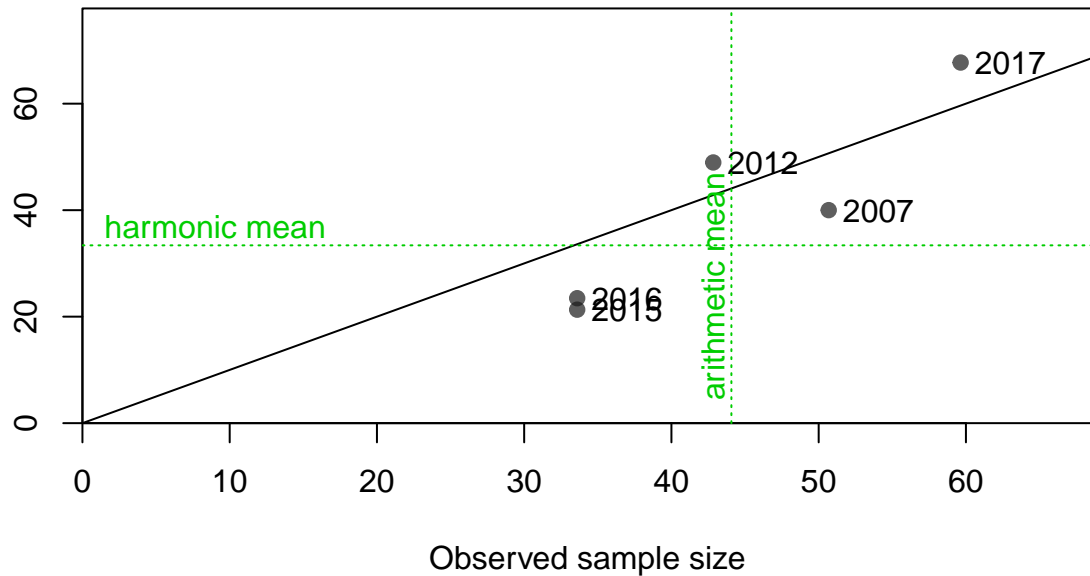
Proportion



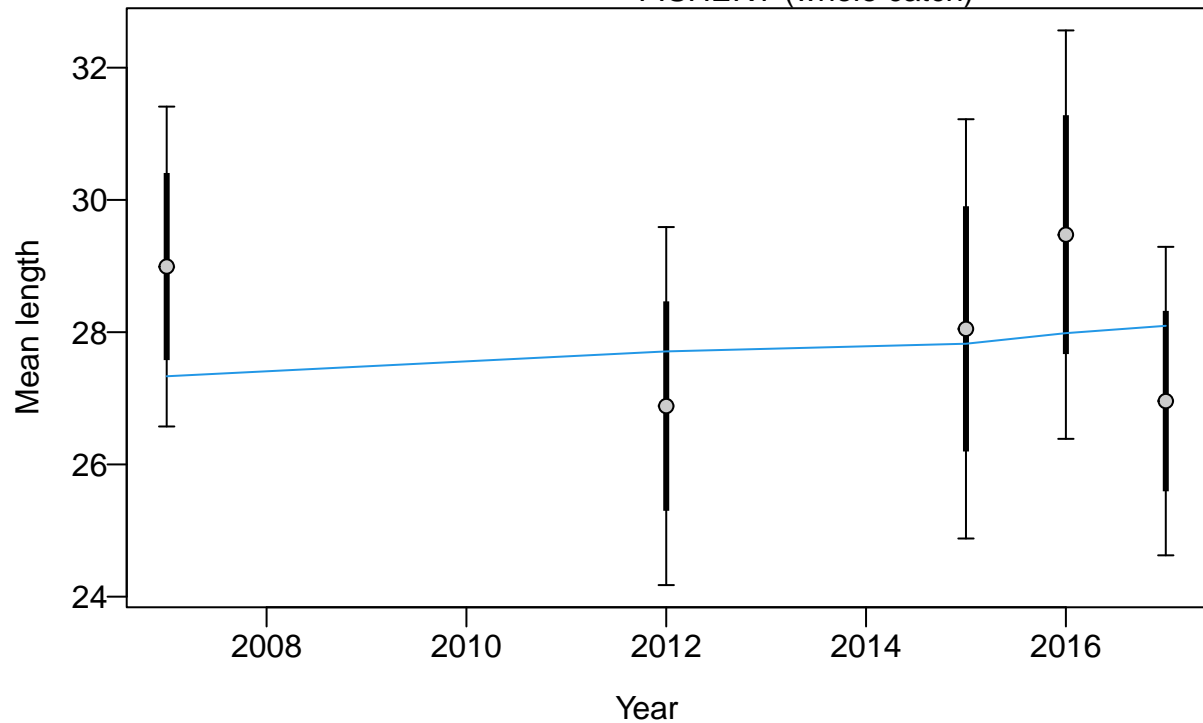
Length (cm)

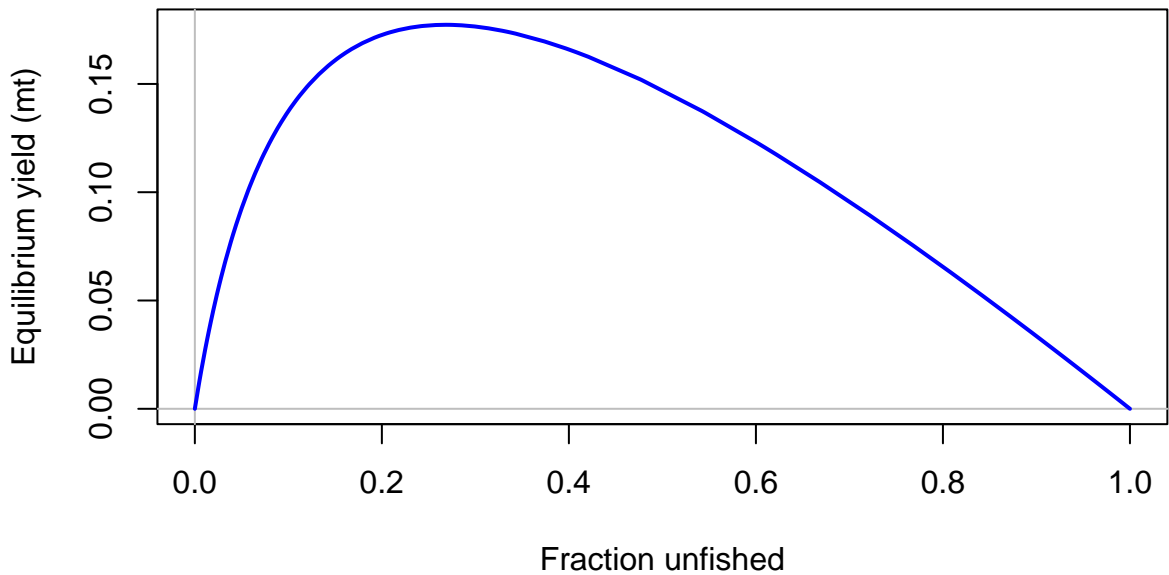


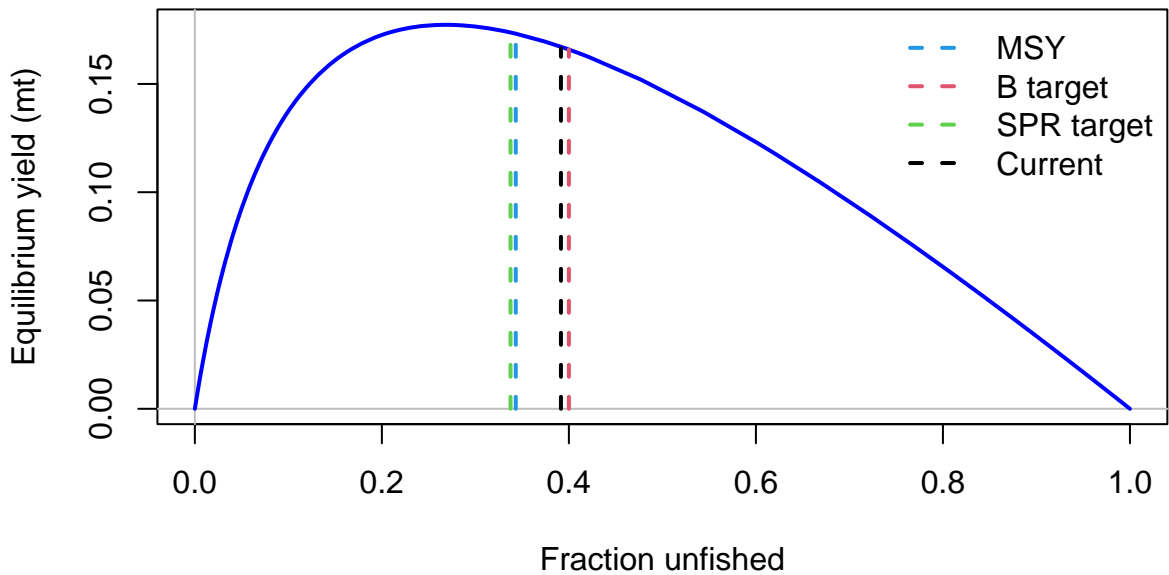
Effective sample size



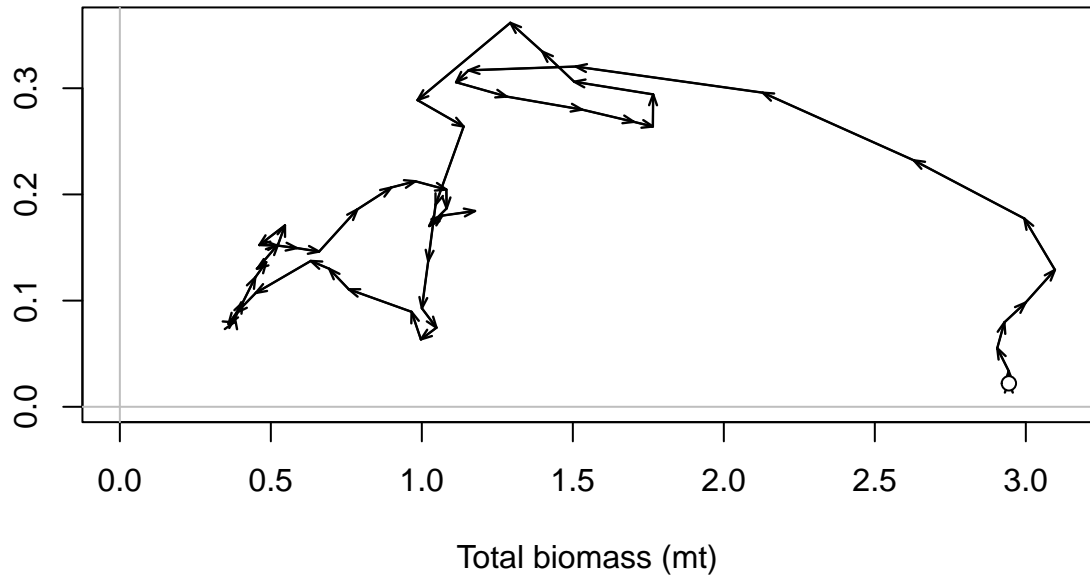
FISHERY (whole catch)

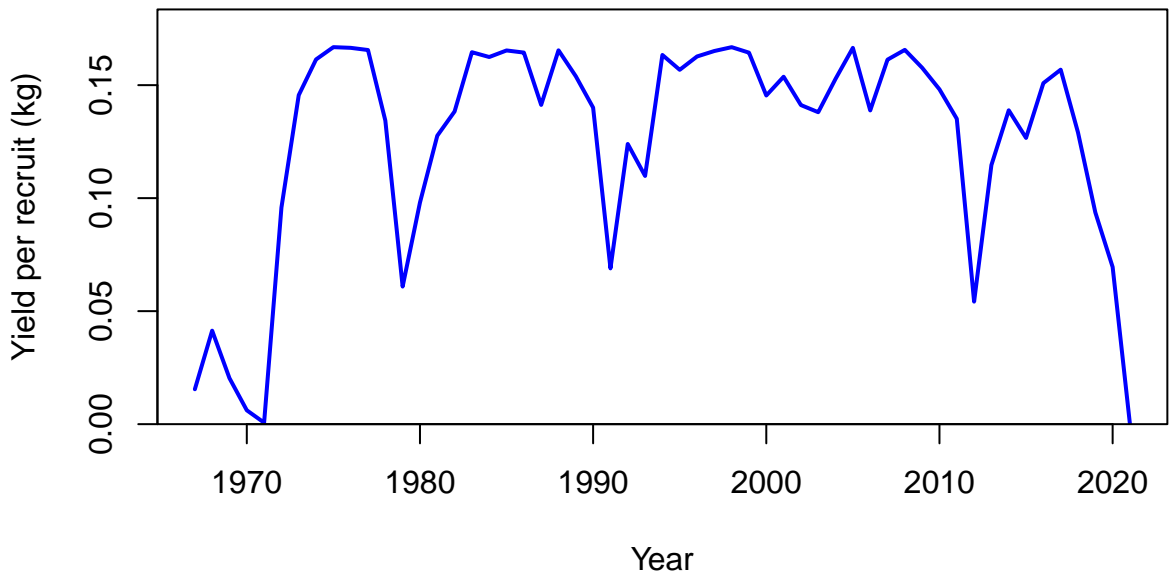


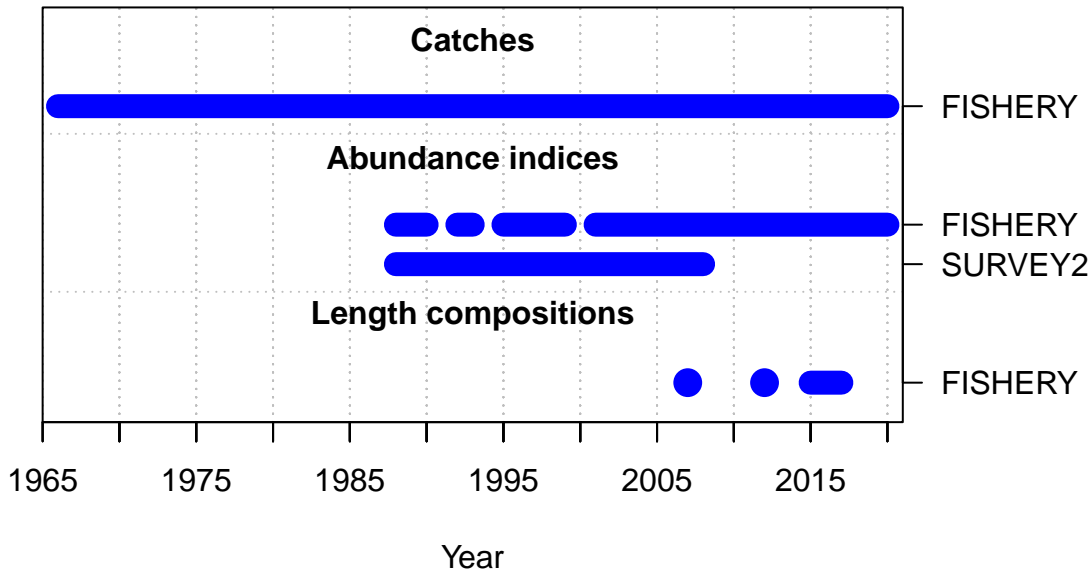


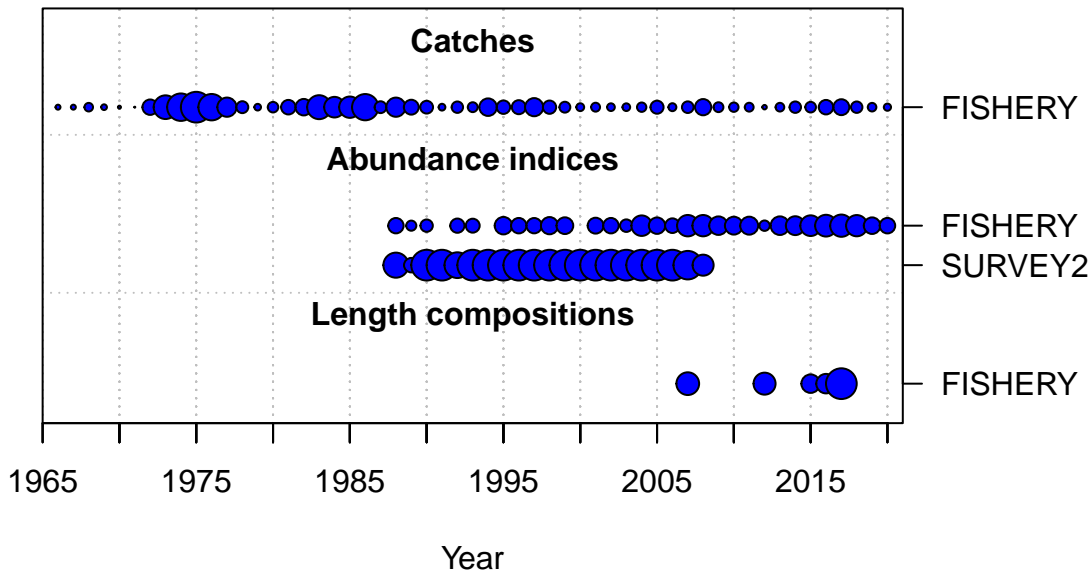


Surplus production (mt)



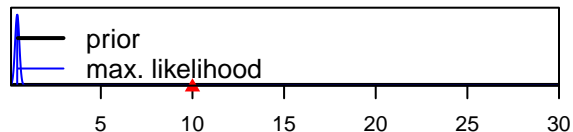




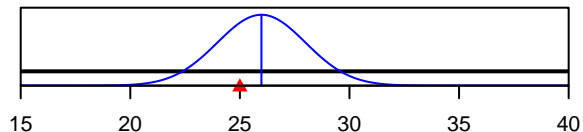


Density

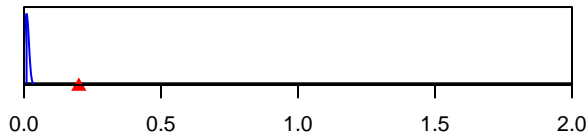
SR_LN(R0)



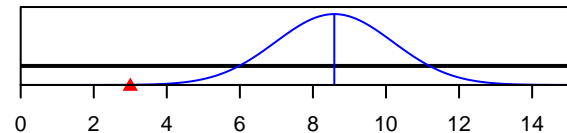
Size_inflection_FISHERY(1)



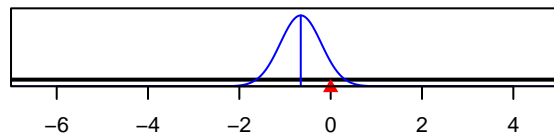
InitF_seas_1flt_1FISHERY



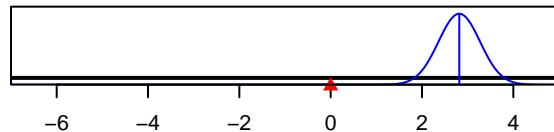
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value