

Plots created using the 'r4ss' package in R

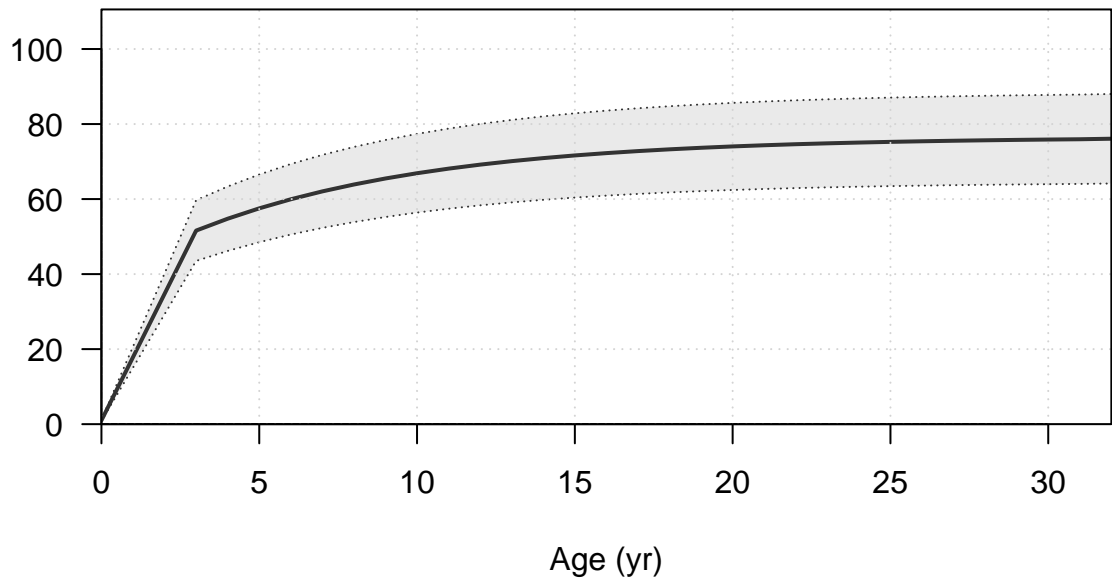
Stock Synthesis version: 3.30.19.0

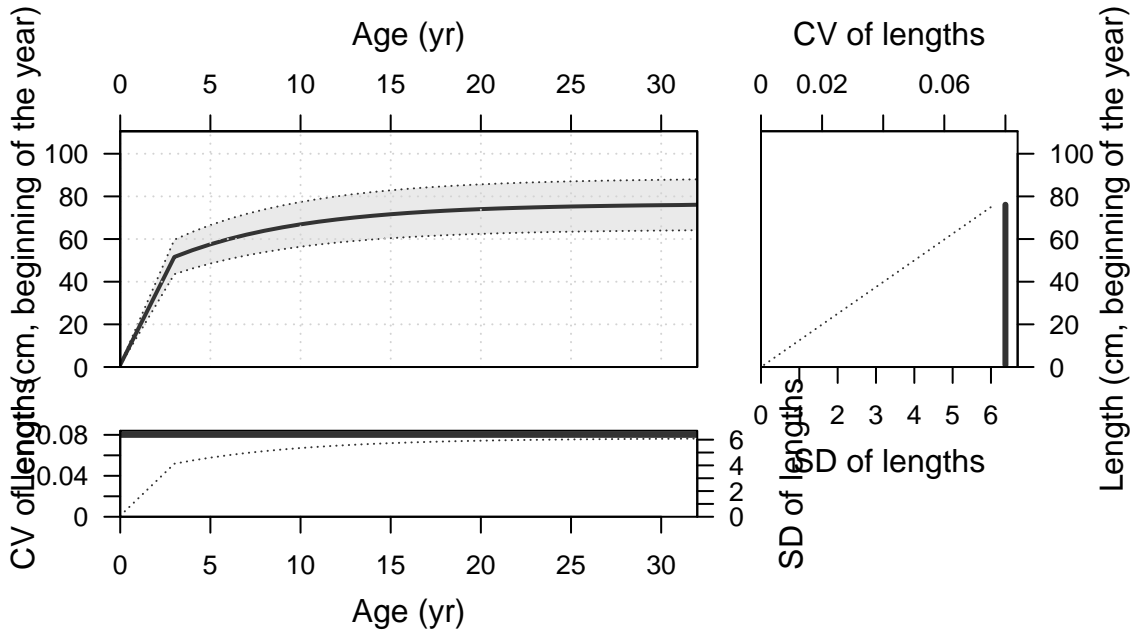
StartTime: Fri Jul 29 09:15:34 2022

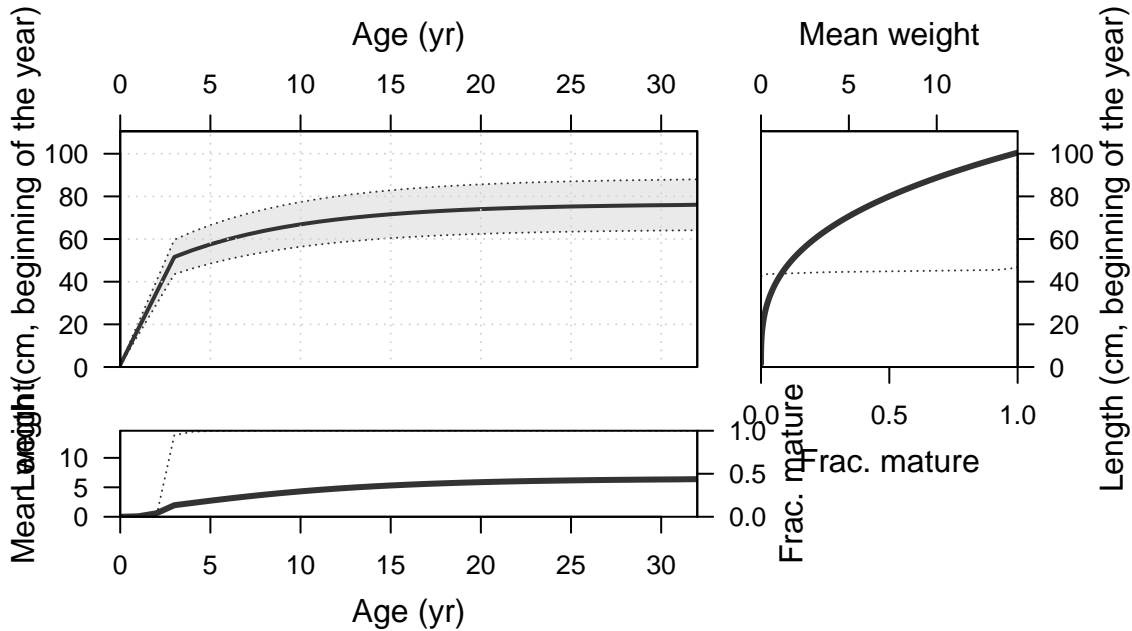
Data_File: data.ss

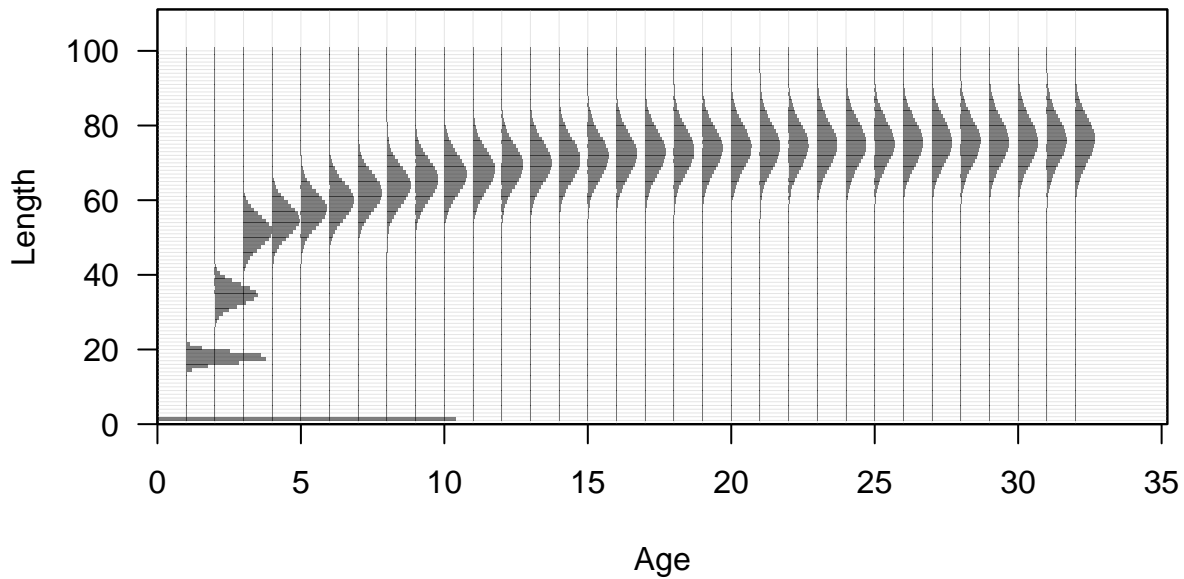
Control_File: control.ss

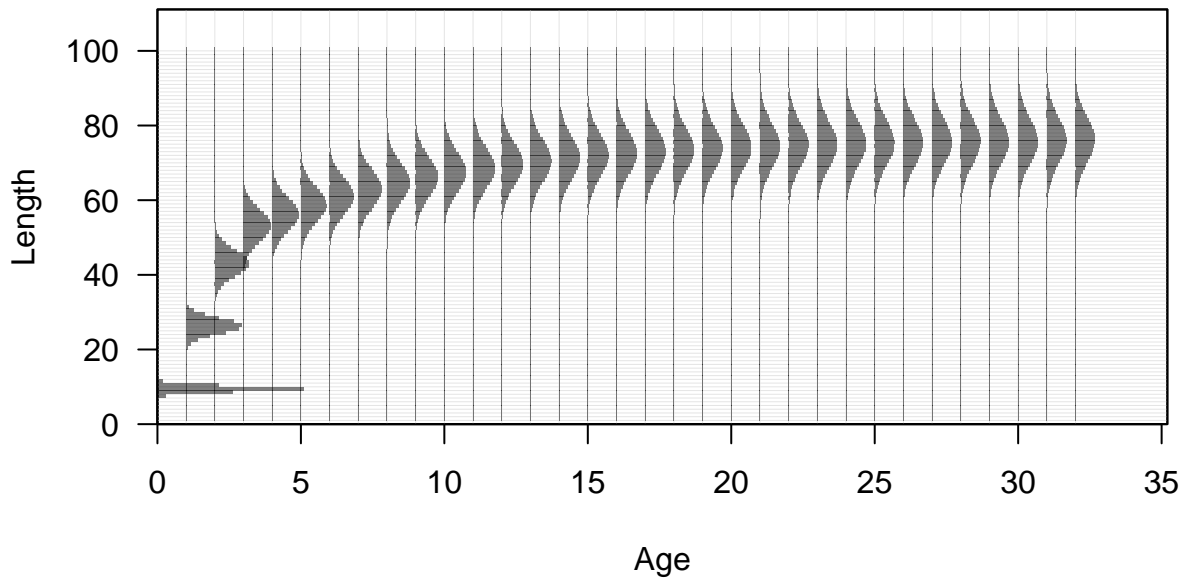
Length (cm, beginning of the year)

















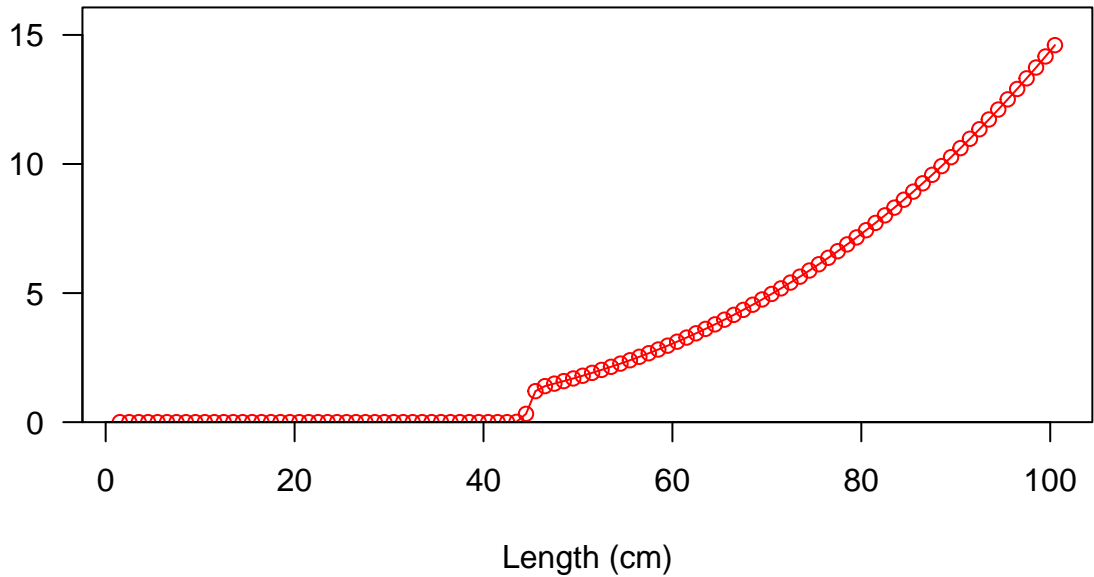
Fecundity

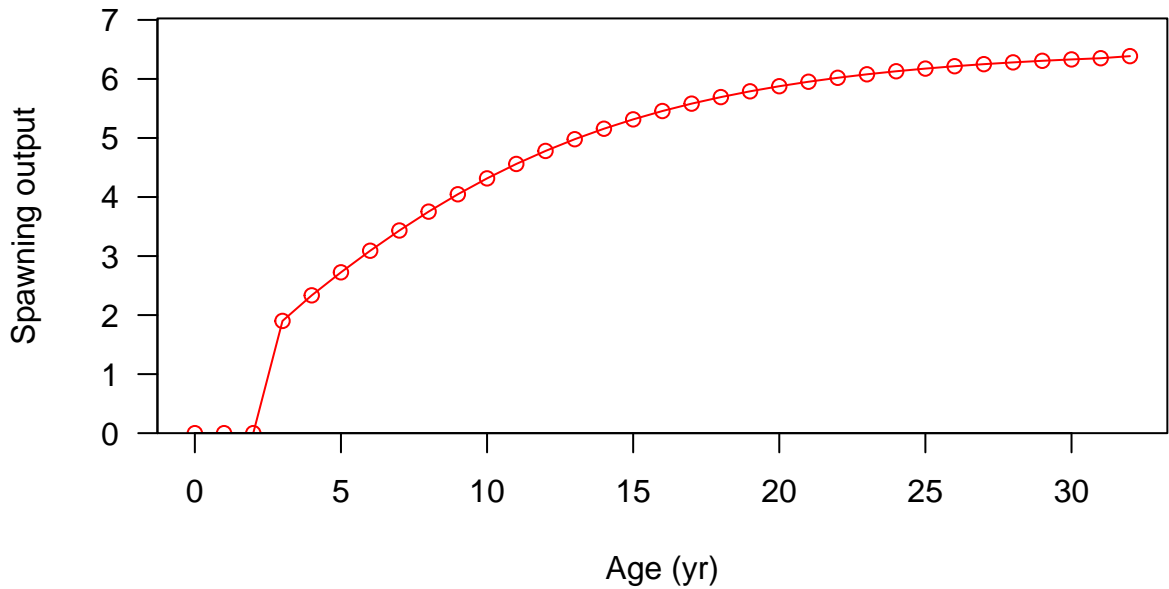


Fecundity

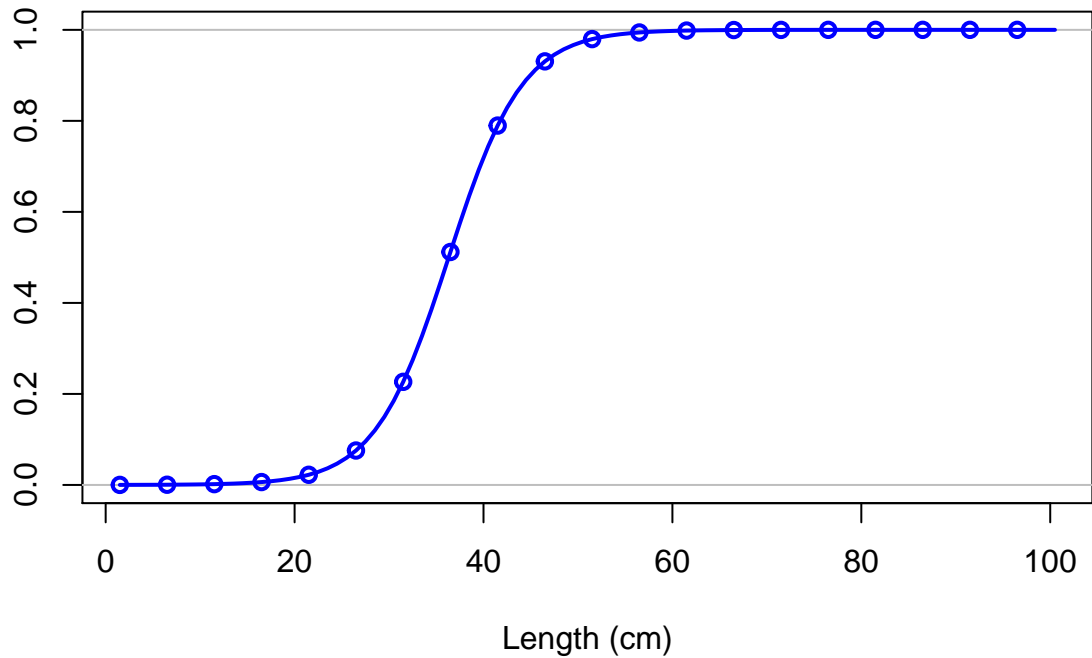


Spawning output

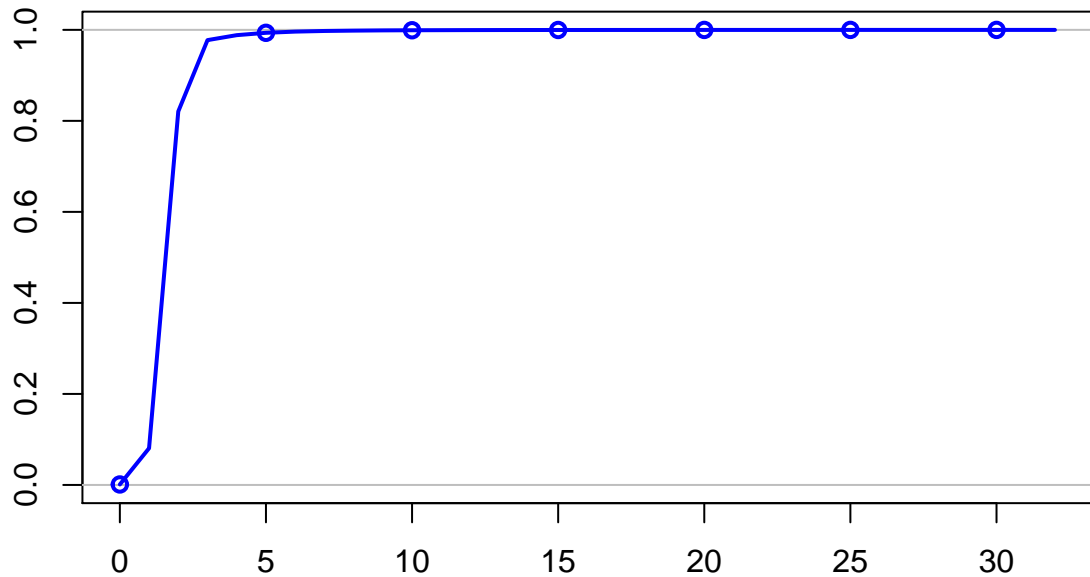




Selectivity

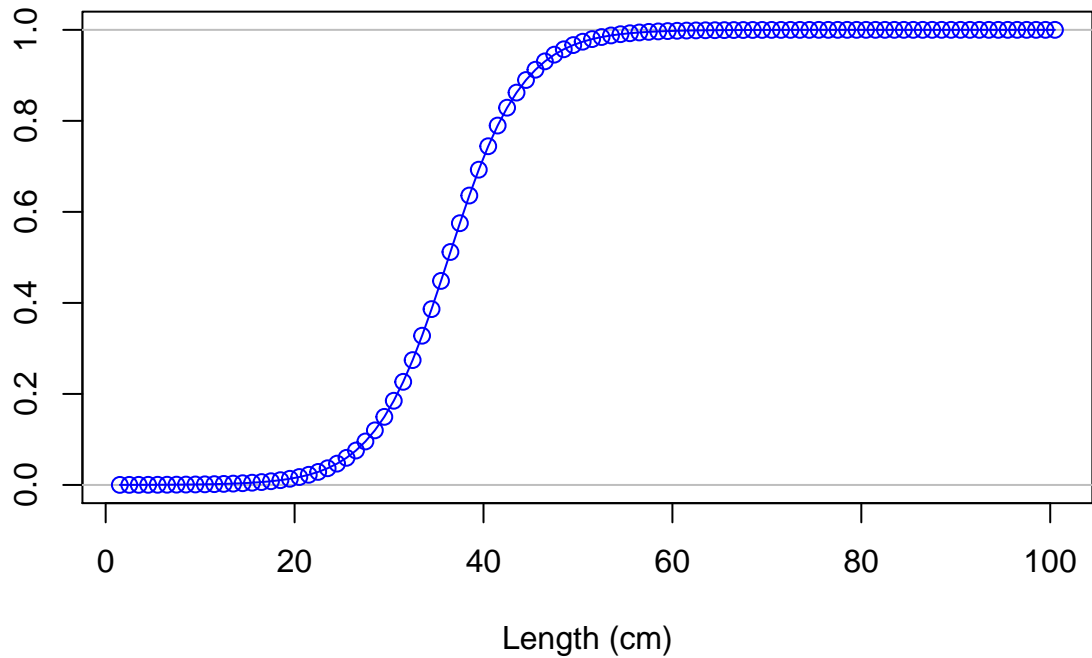


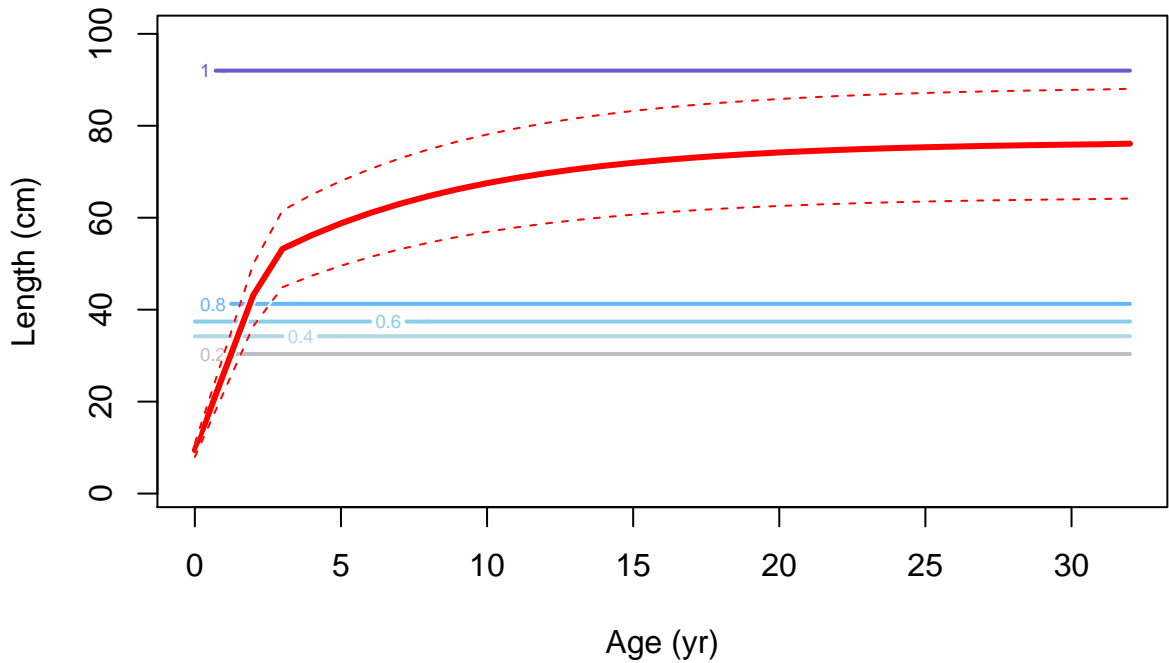
Selectivity

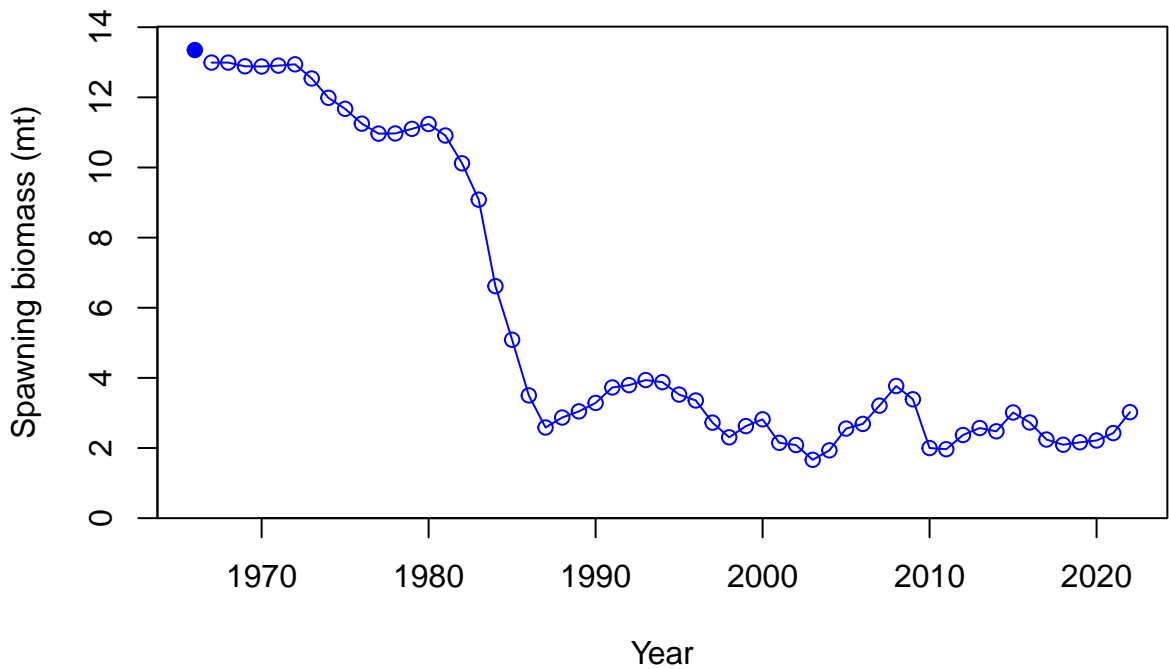


Age (yr)

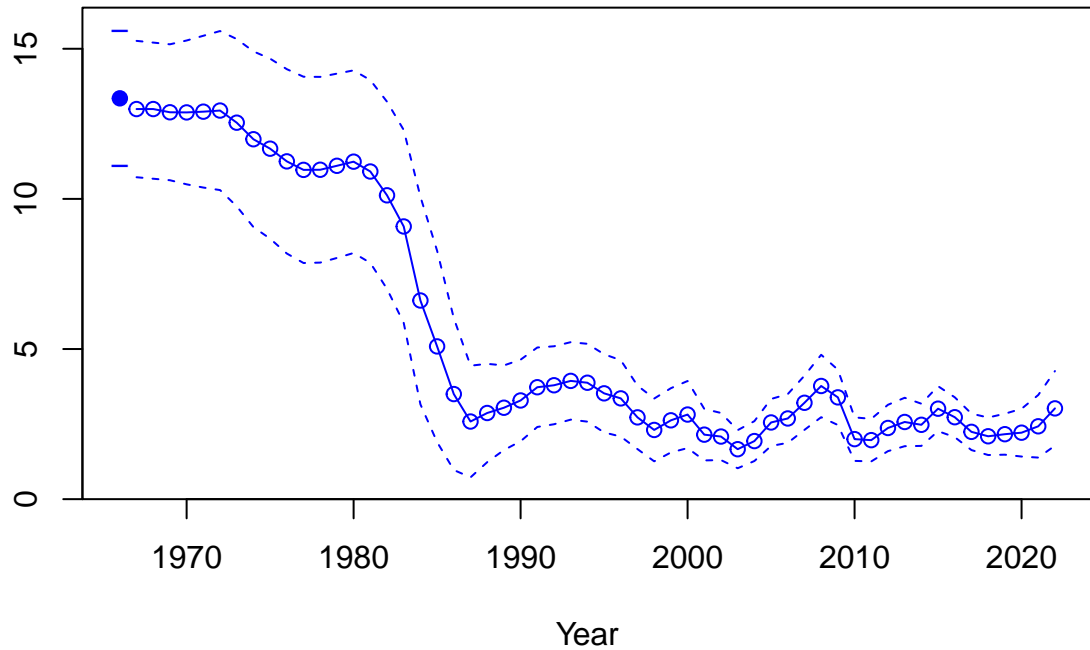
Selectivity



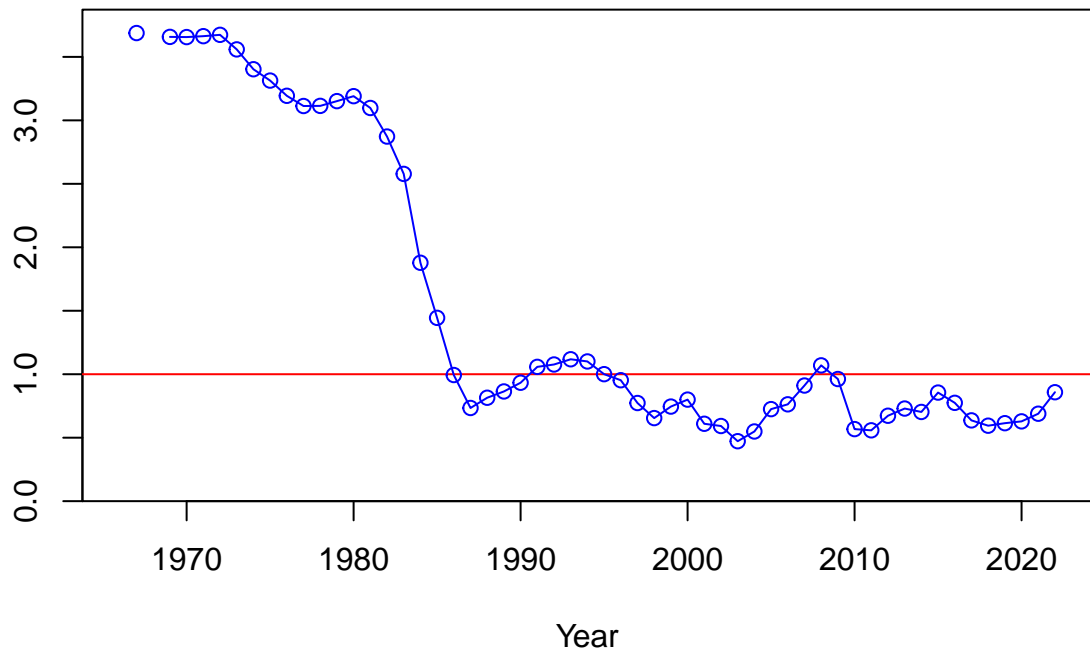




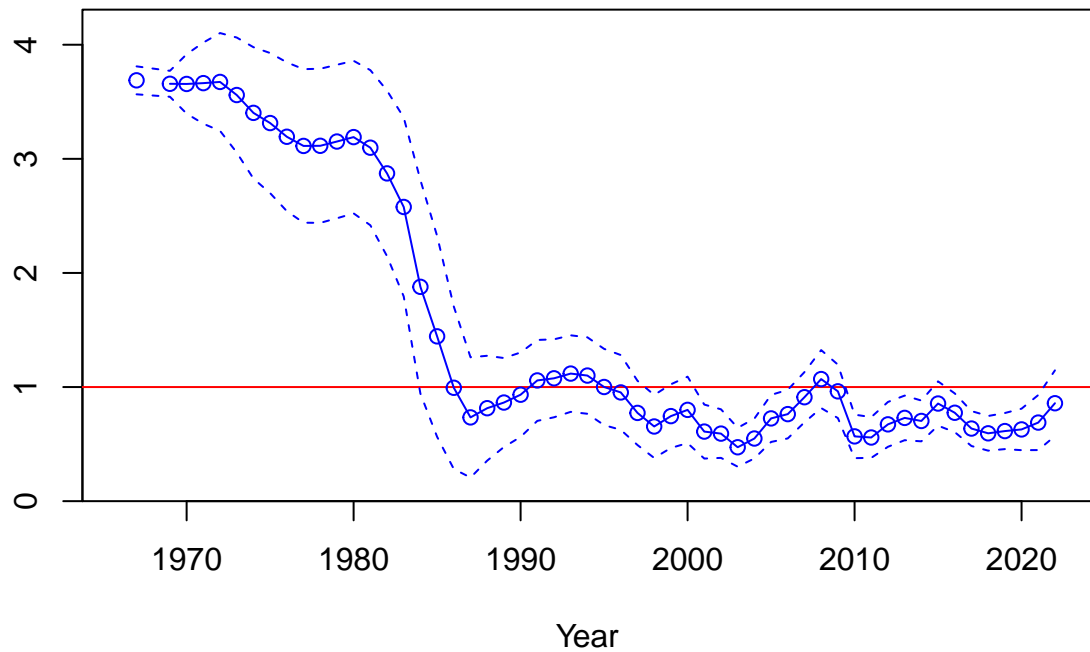
Spawning biomass (mt)

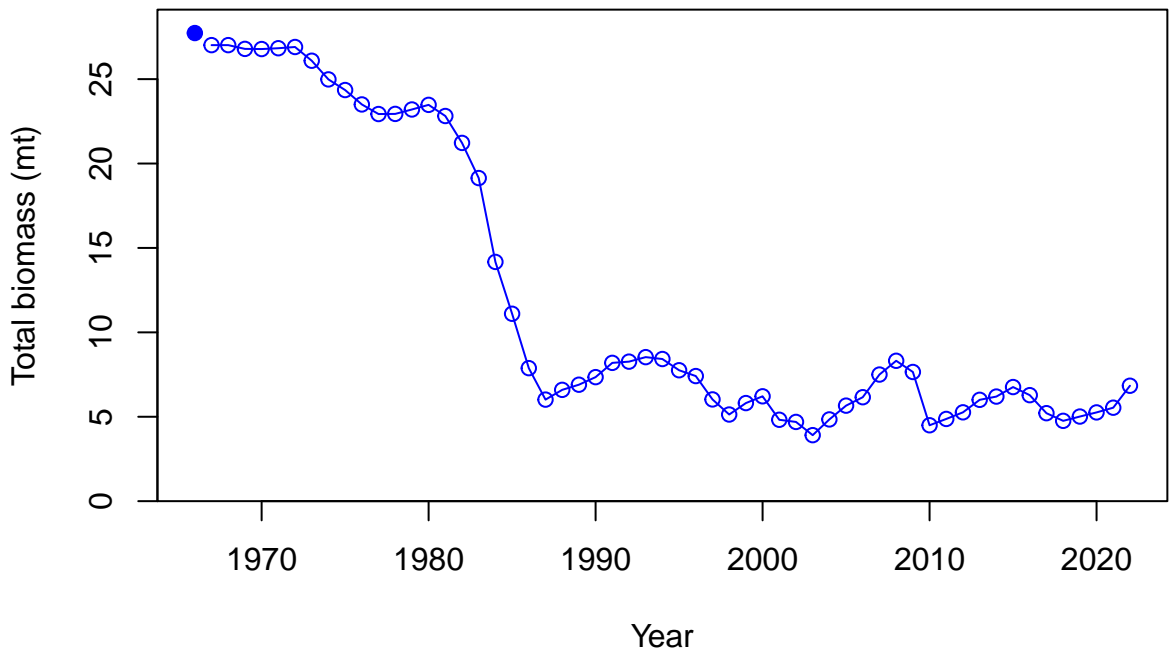


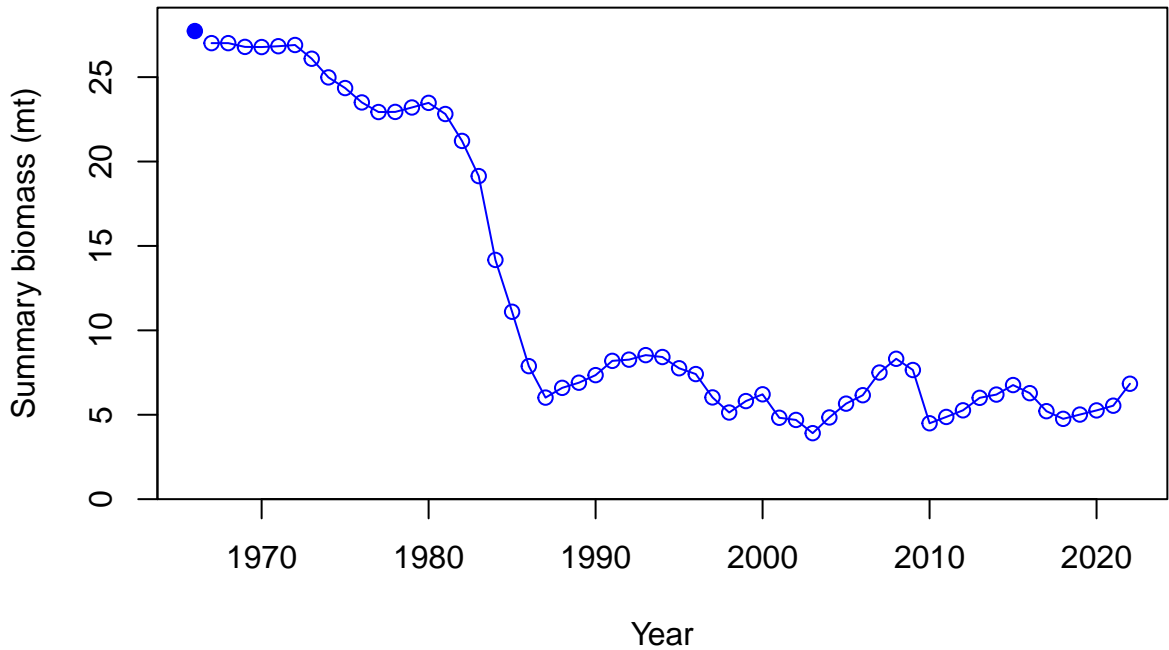
Relative spawning biomass: B/B_{MSY}



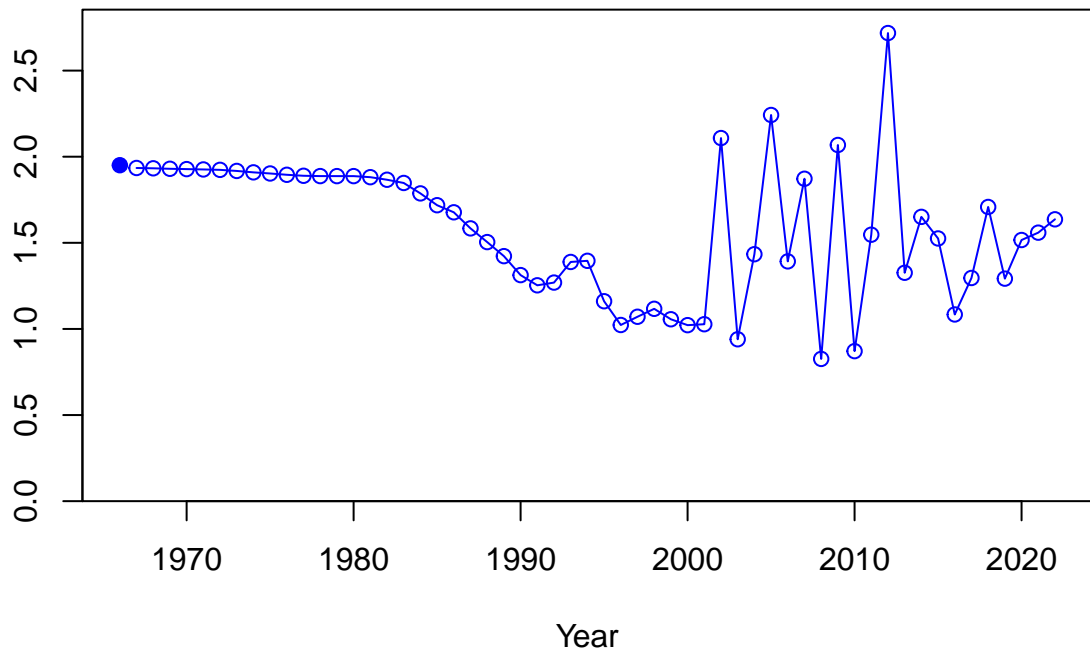
Relative spawning biomass: B/B_{MSY}



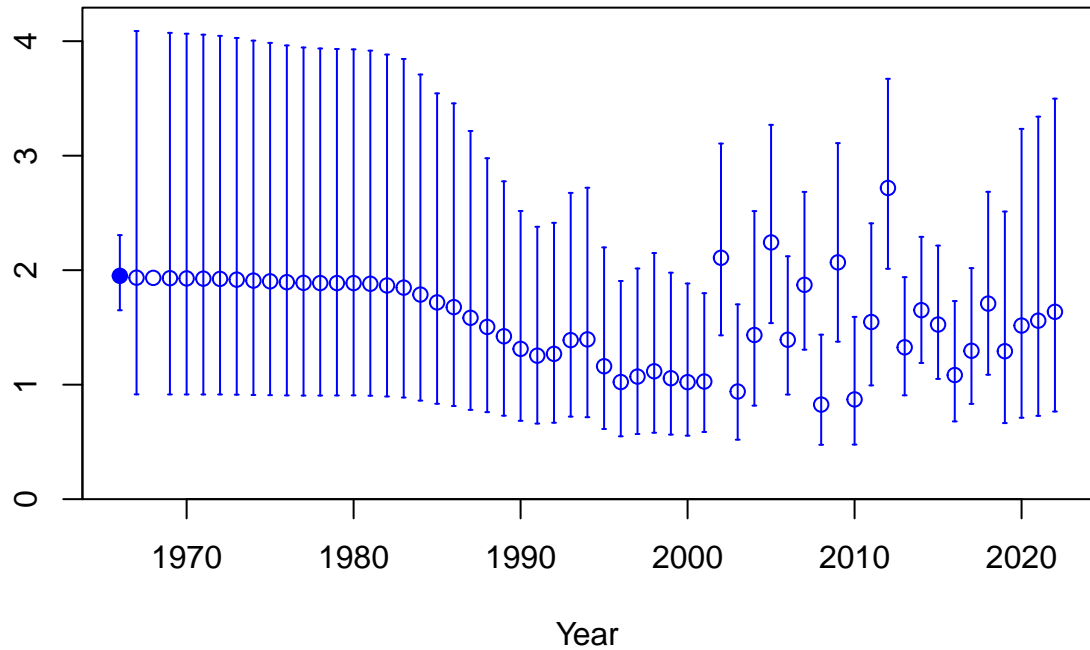




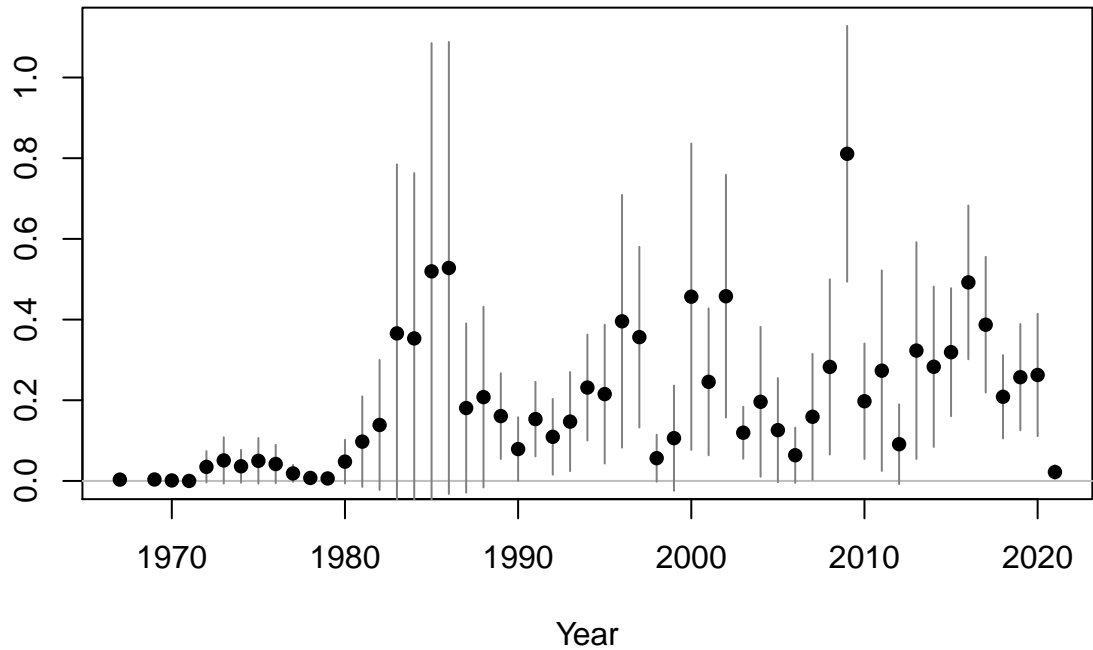
Age-0 recruits (1,000s)

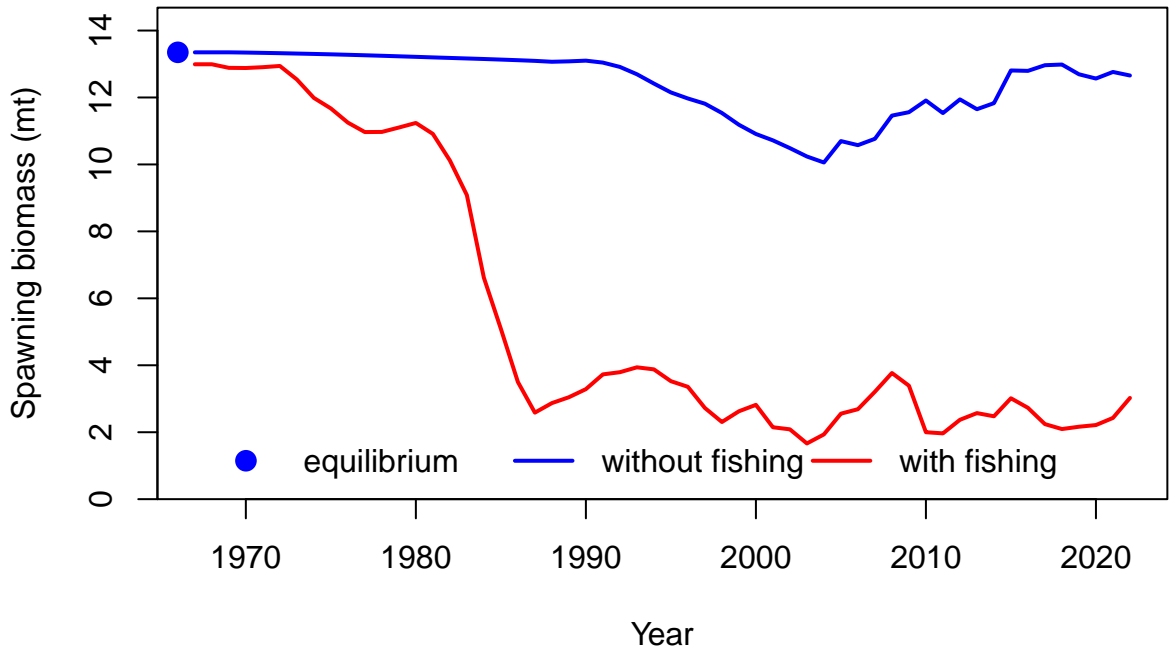


Age-0 recruits (1,000s)

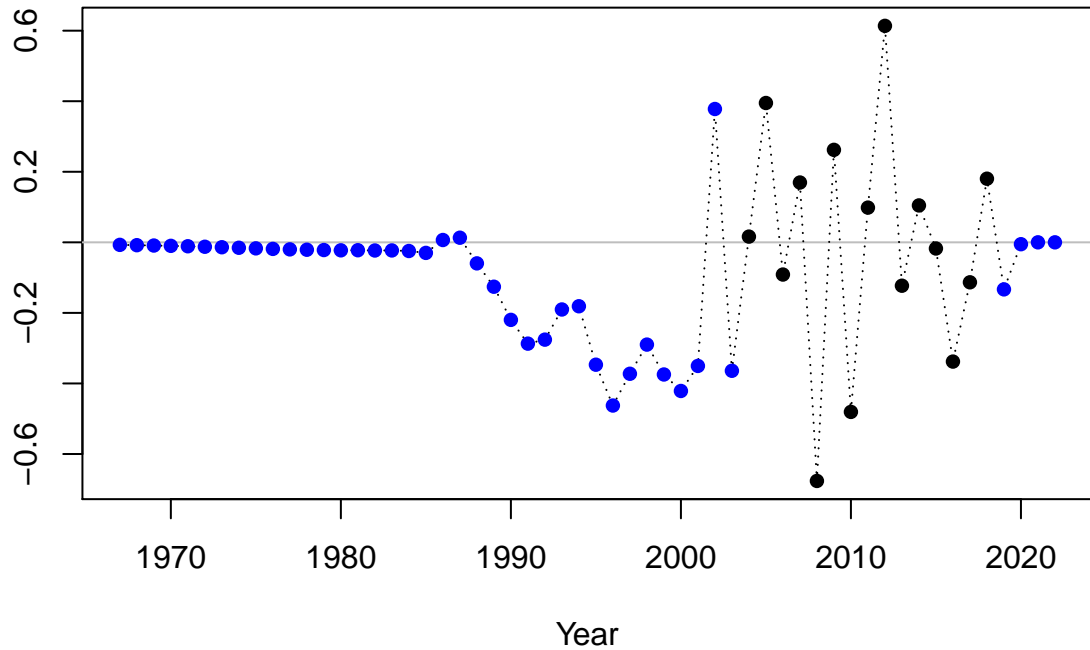


Summary Fishing Mortality

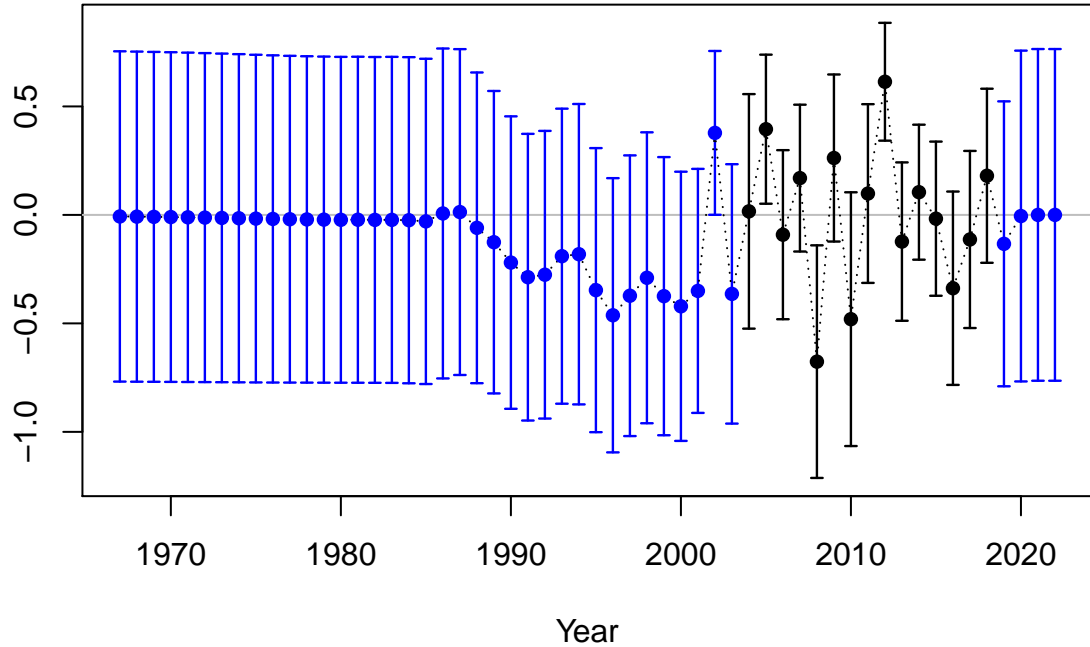




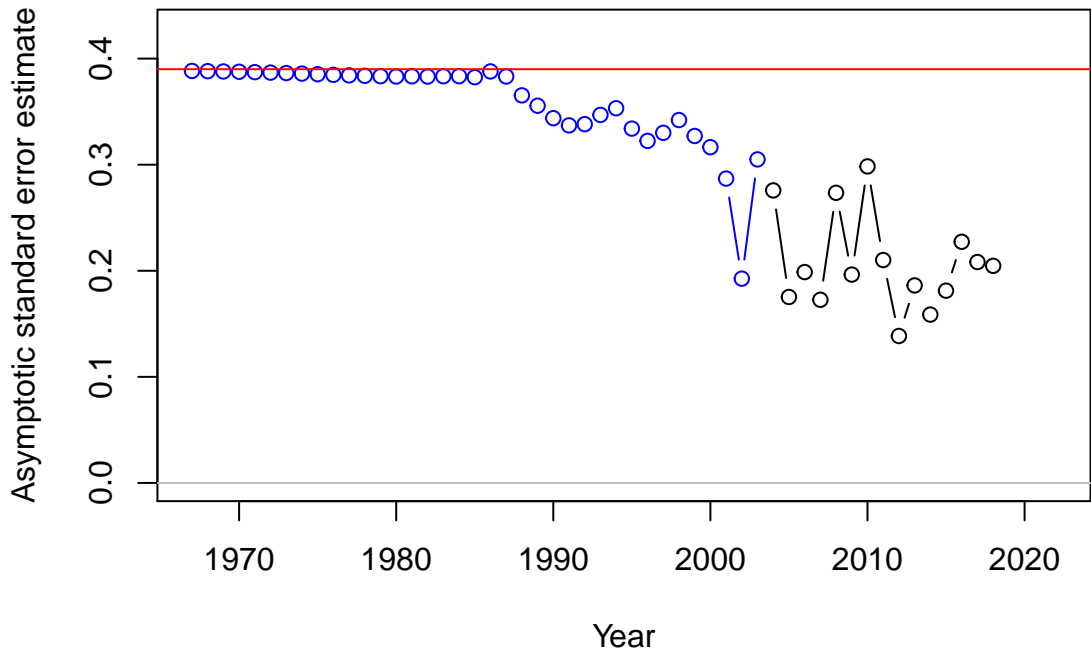
Log recruitment deviation

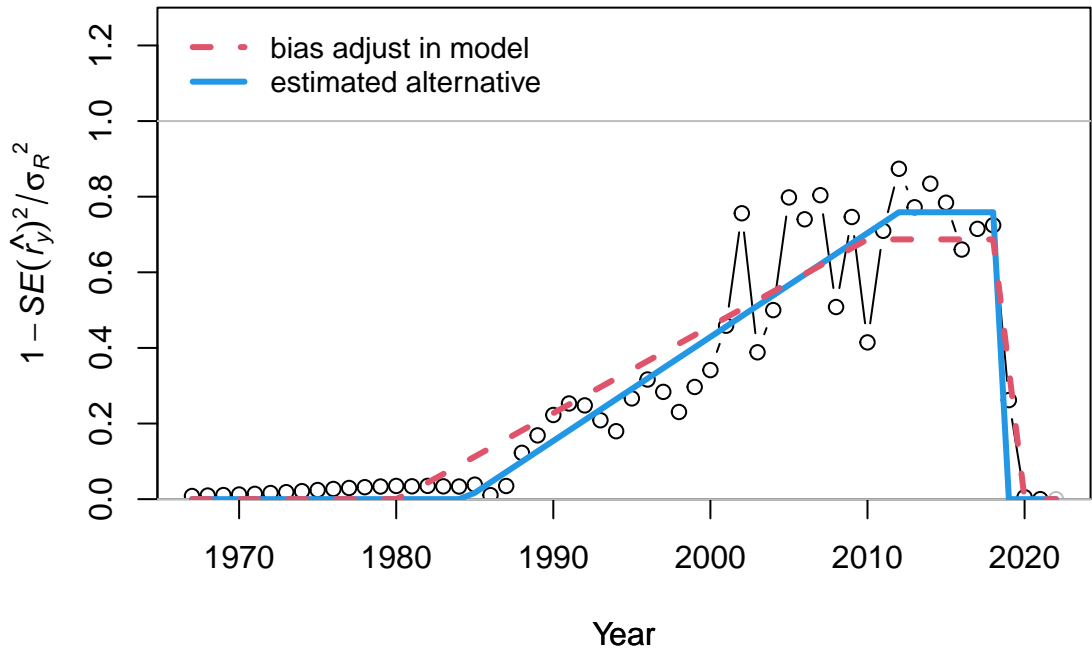


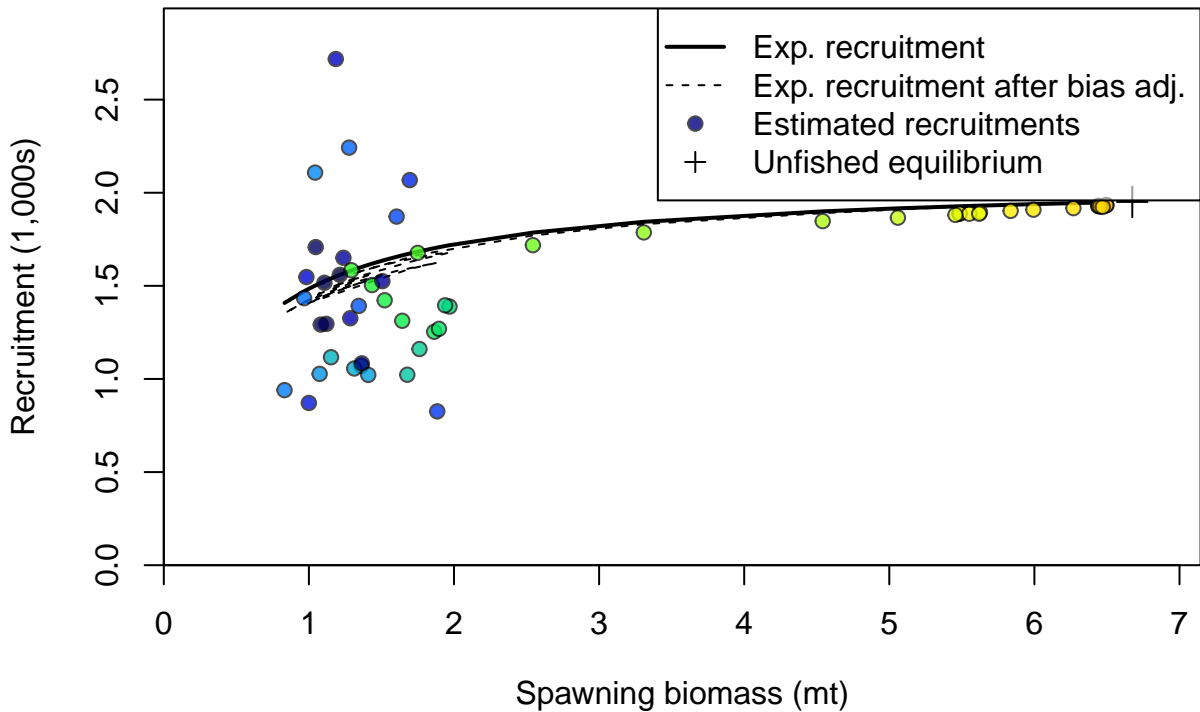
Log recruitment deviation

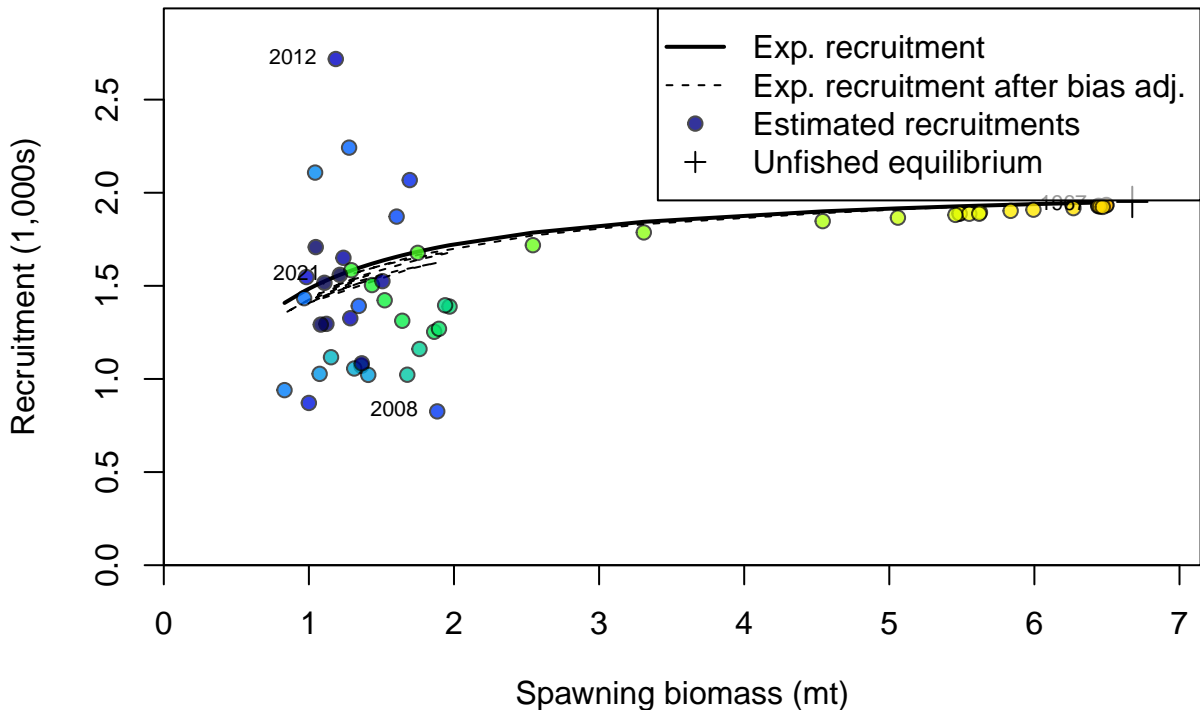


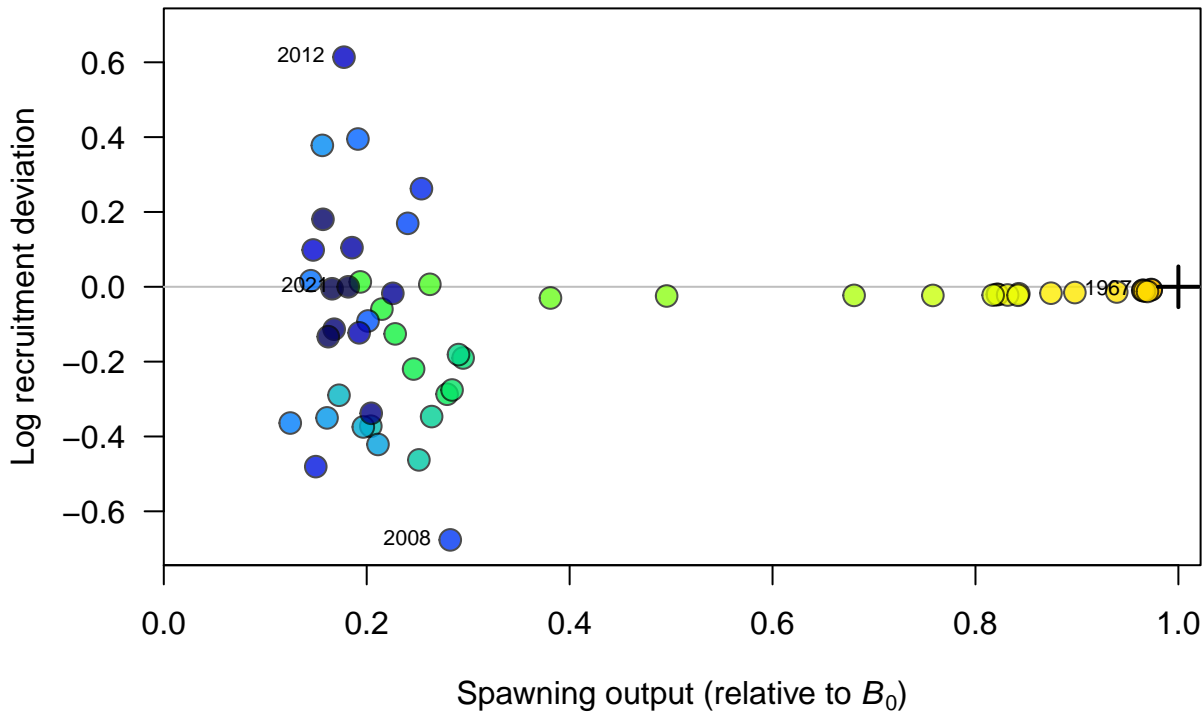
Recruitment deviation variance

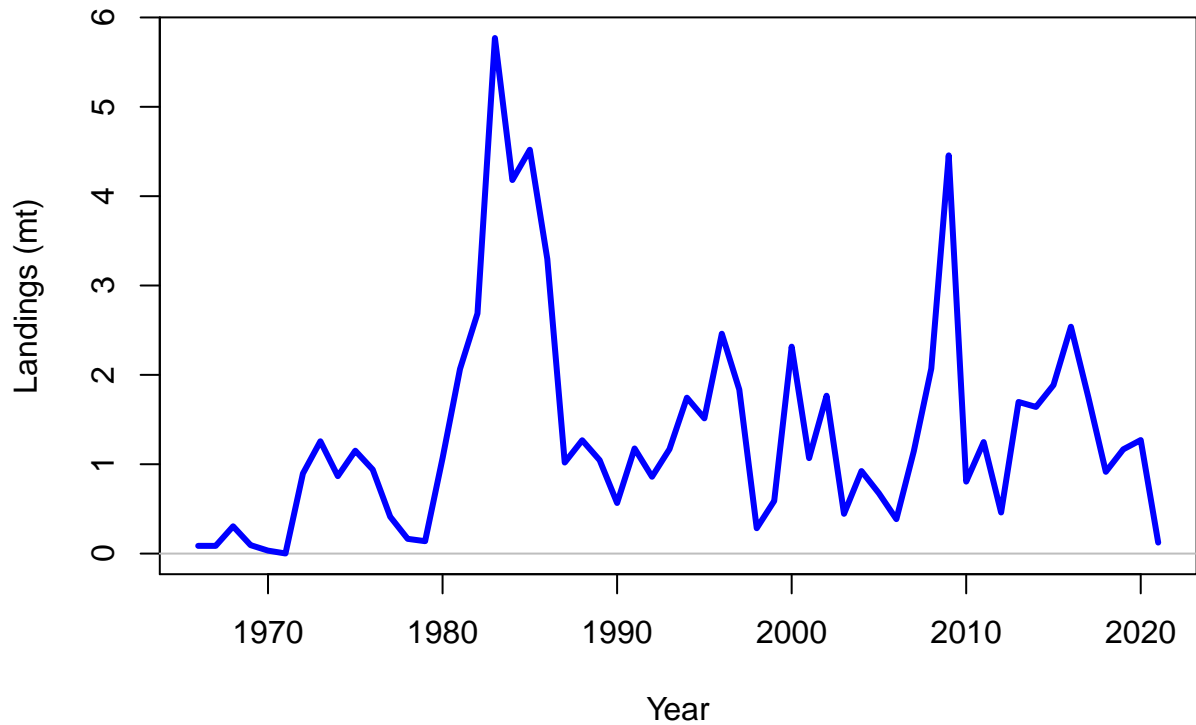


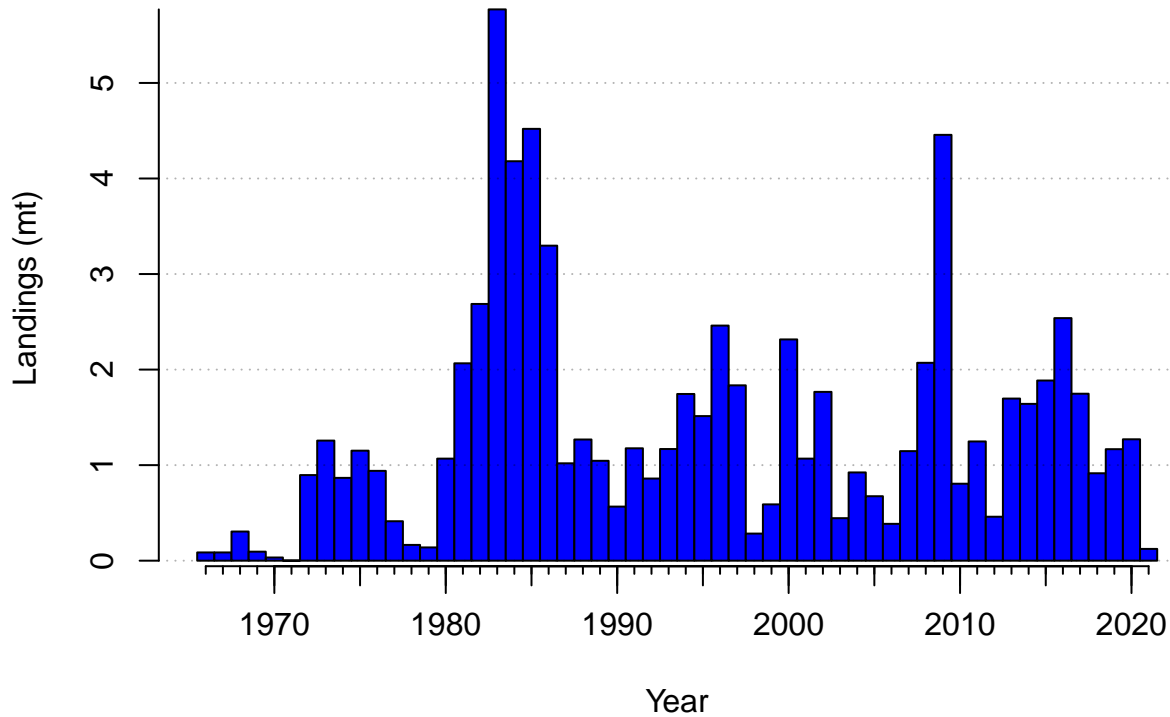




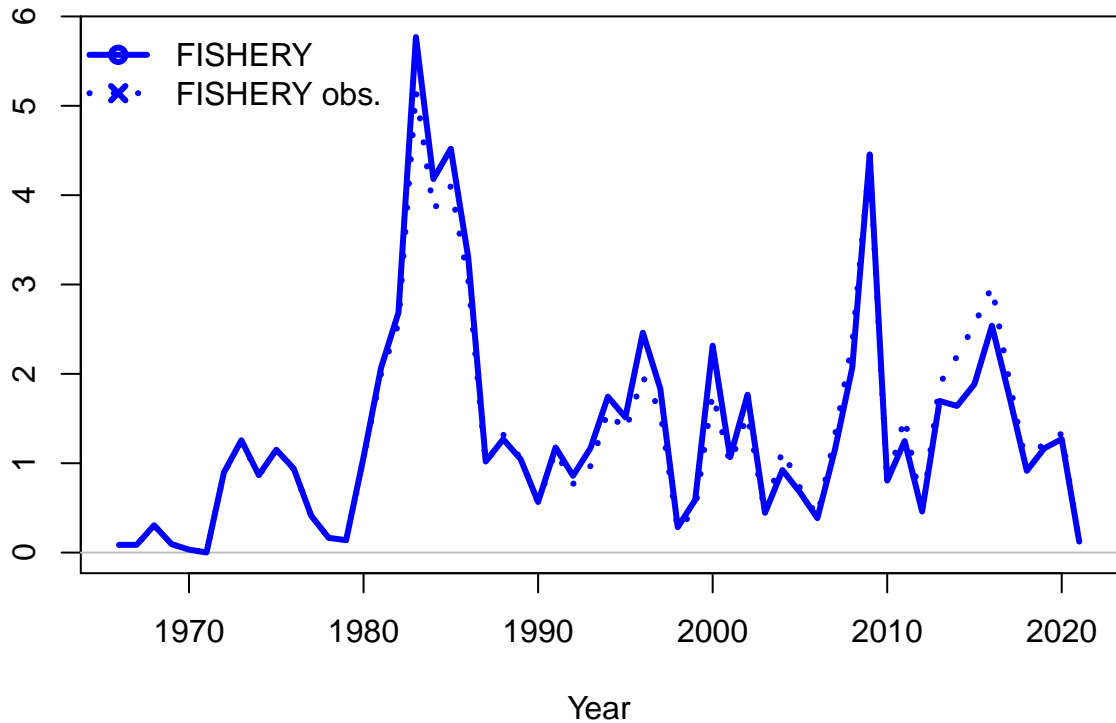


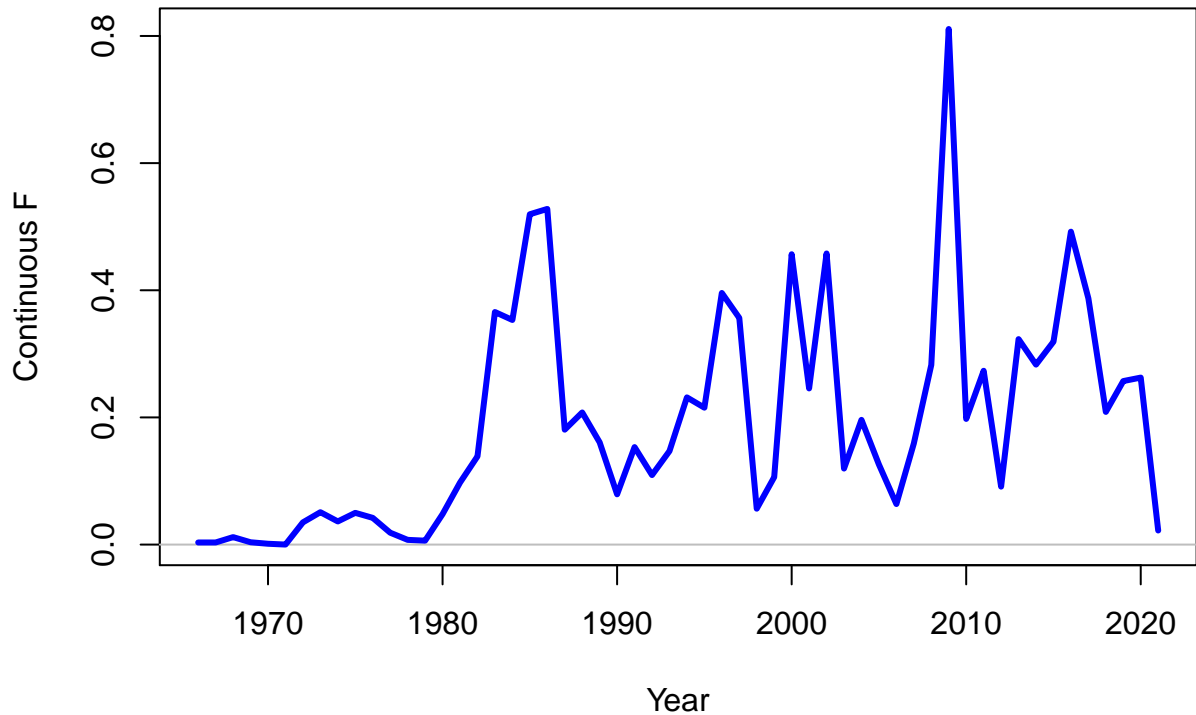




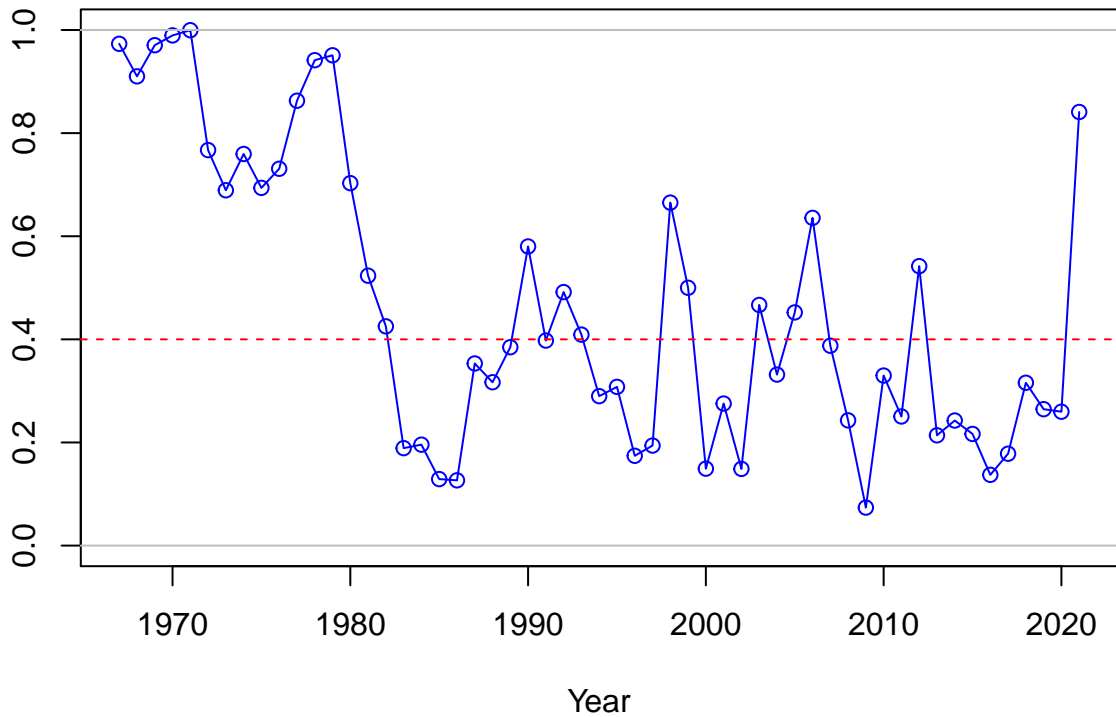


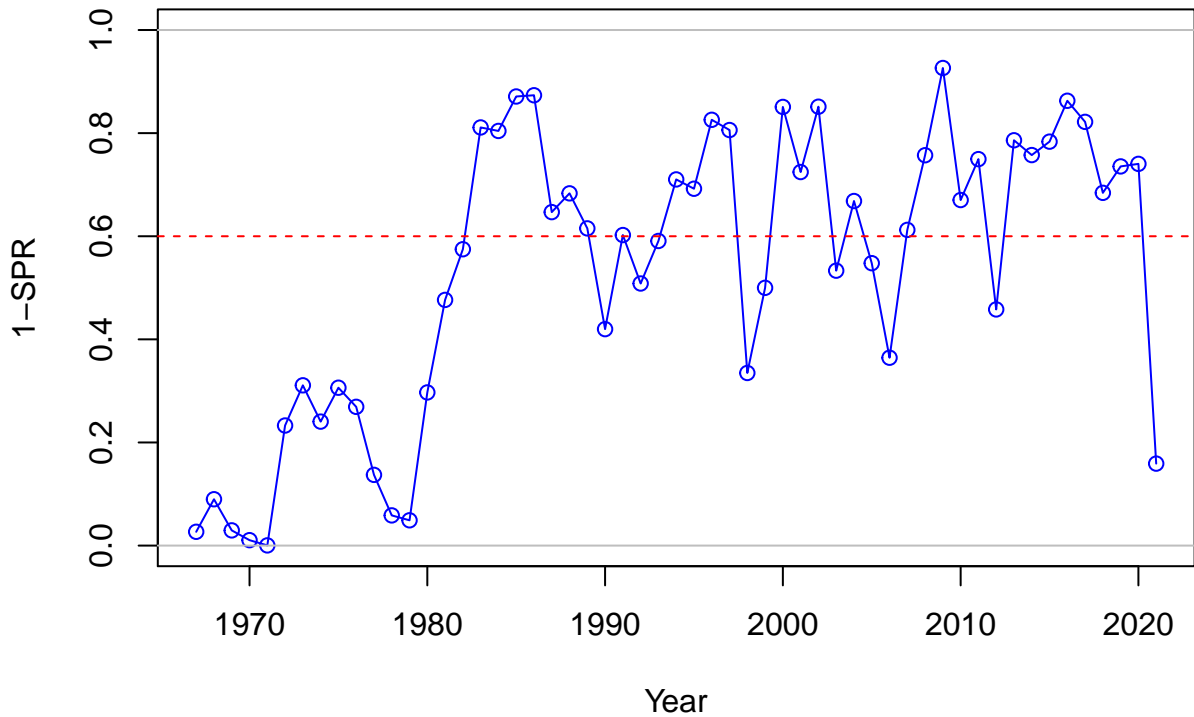
Observed and expected Landings (mt)



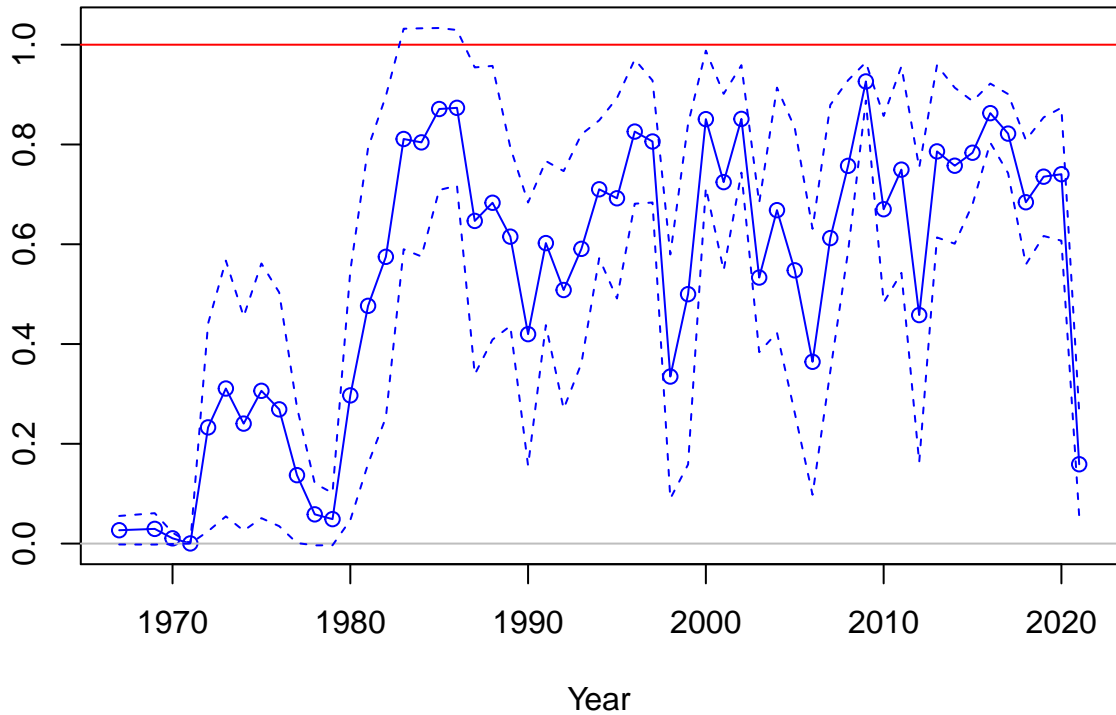


SPR

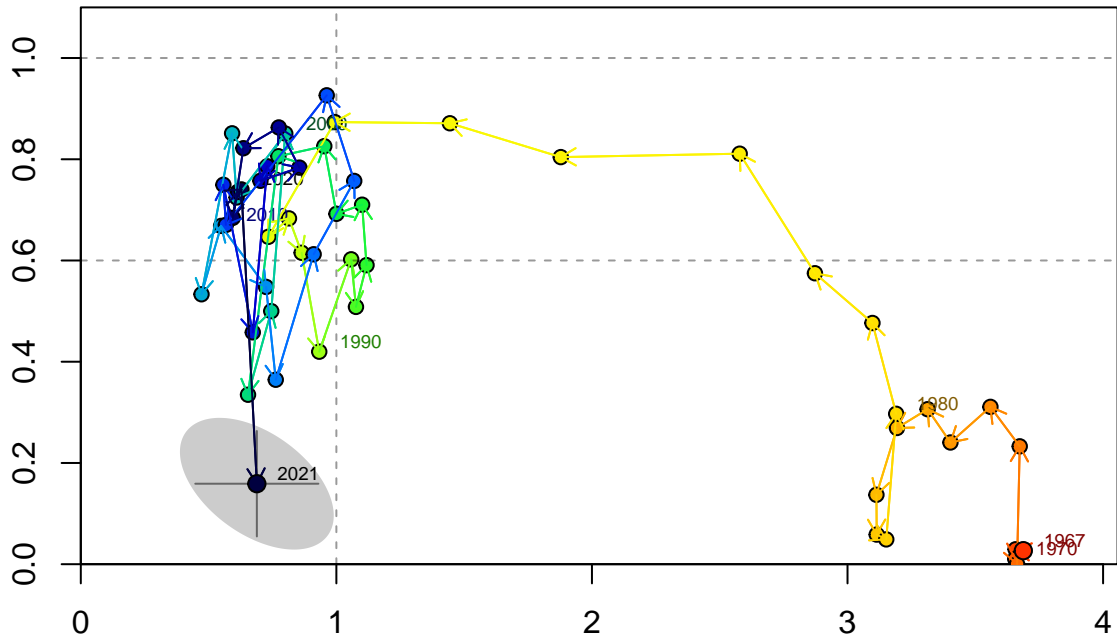




Fishing intensity: 1-SPR

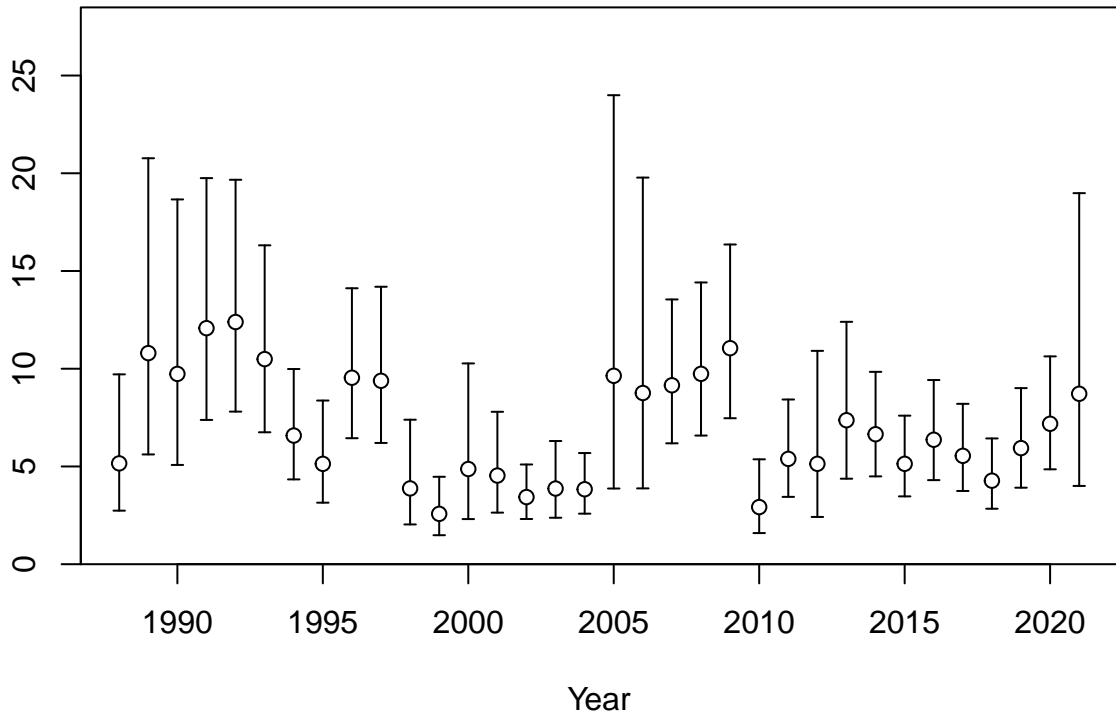


Fishing intensity: 1-SPR

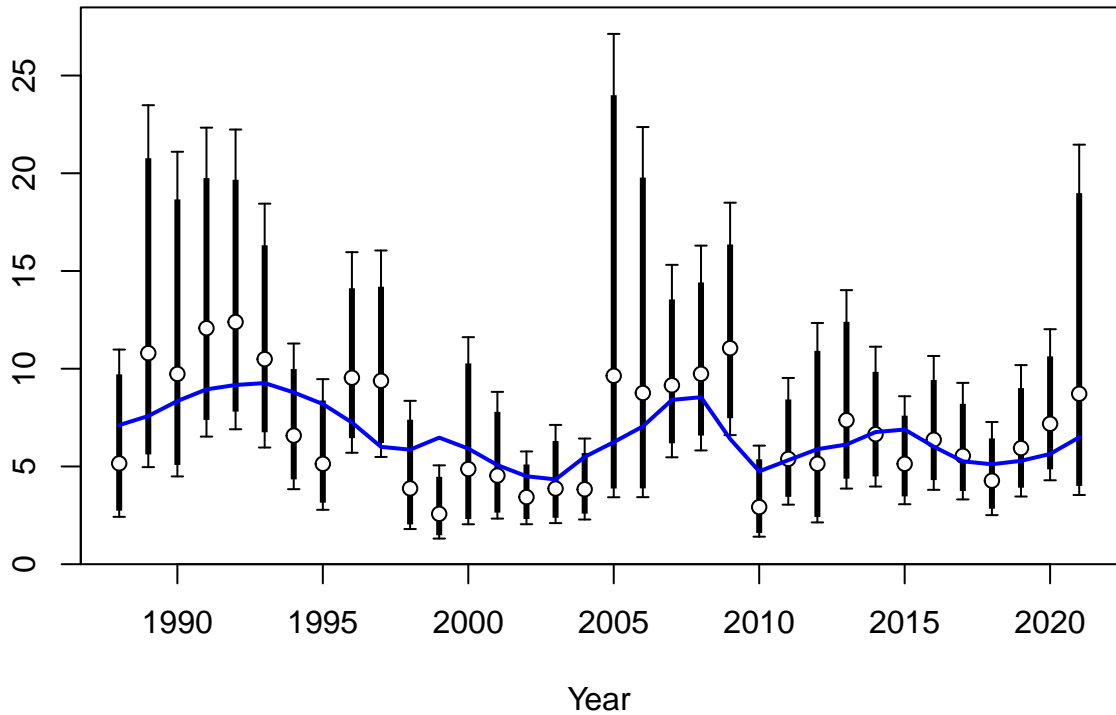


Relative spawning output: B/B_MSY

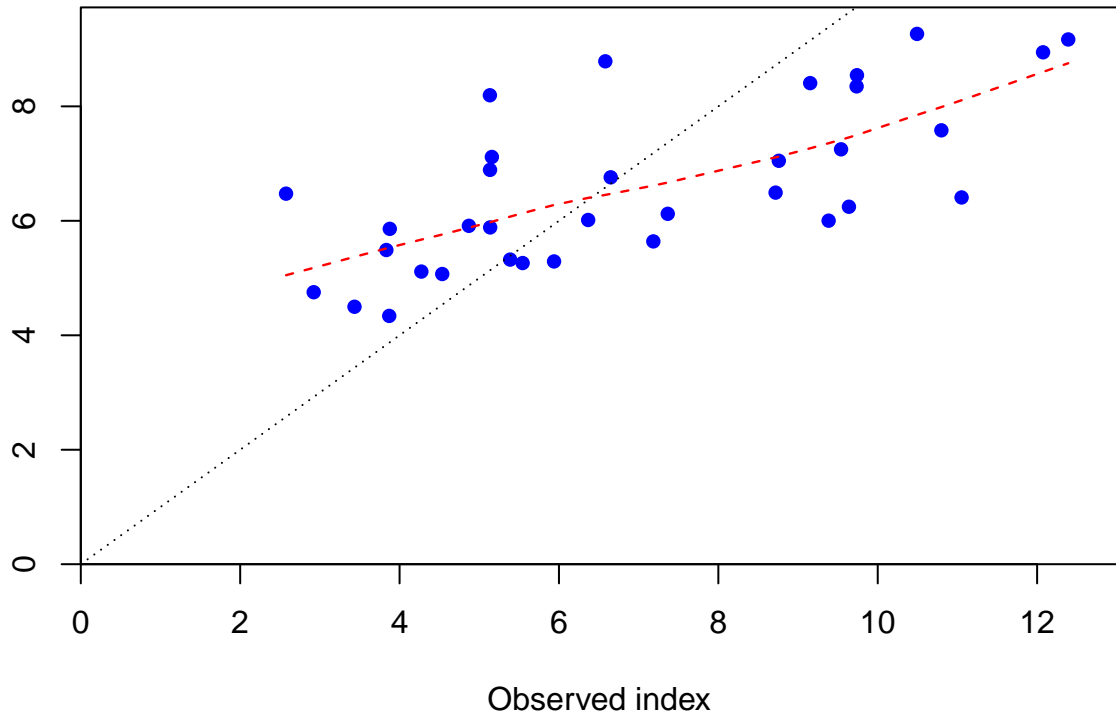
Index



Index



Expected index



Log index

0.5
1.0
1.5
2.0
2.5
3.0

1990

1995

2000

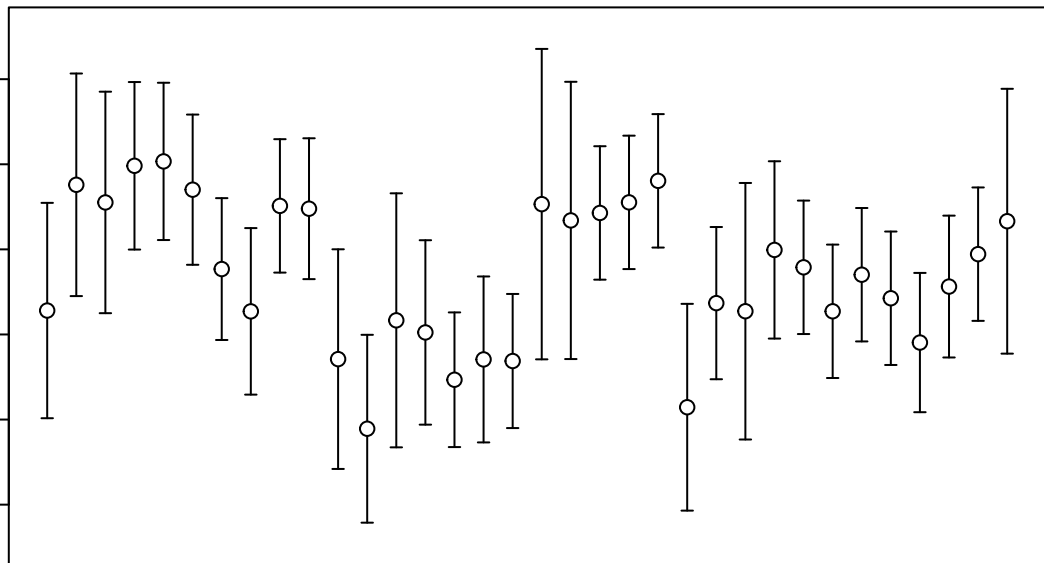
2005

2010

2015

2020

Year



Log index

3.0
2.5
2.0
1.5
1.0
0.5

1990

1995

2000

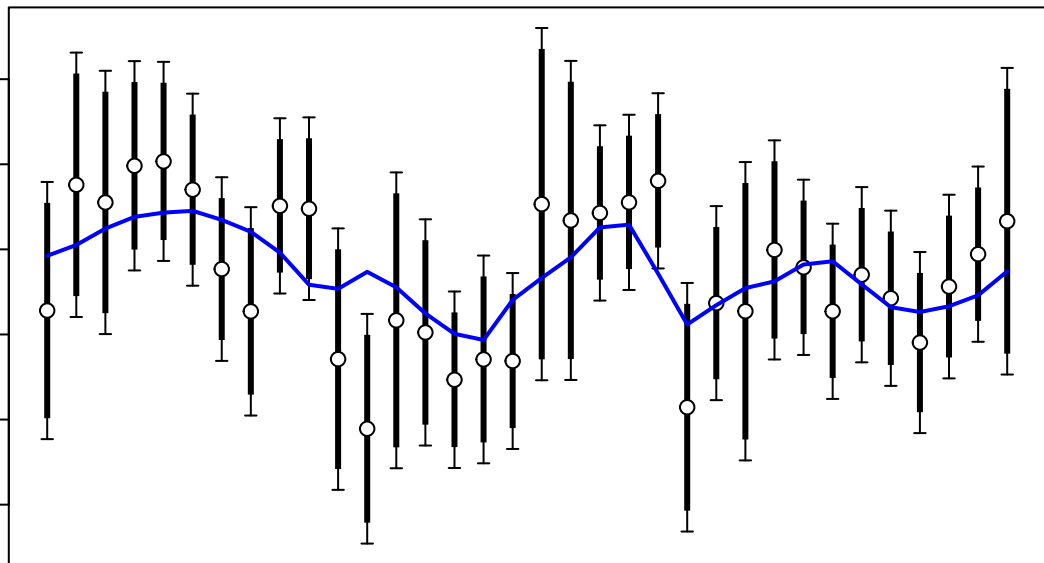
2005

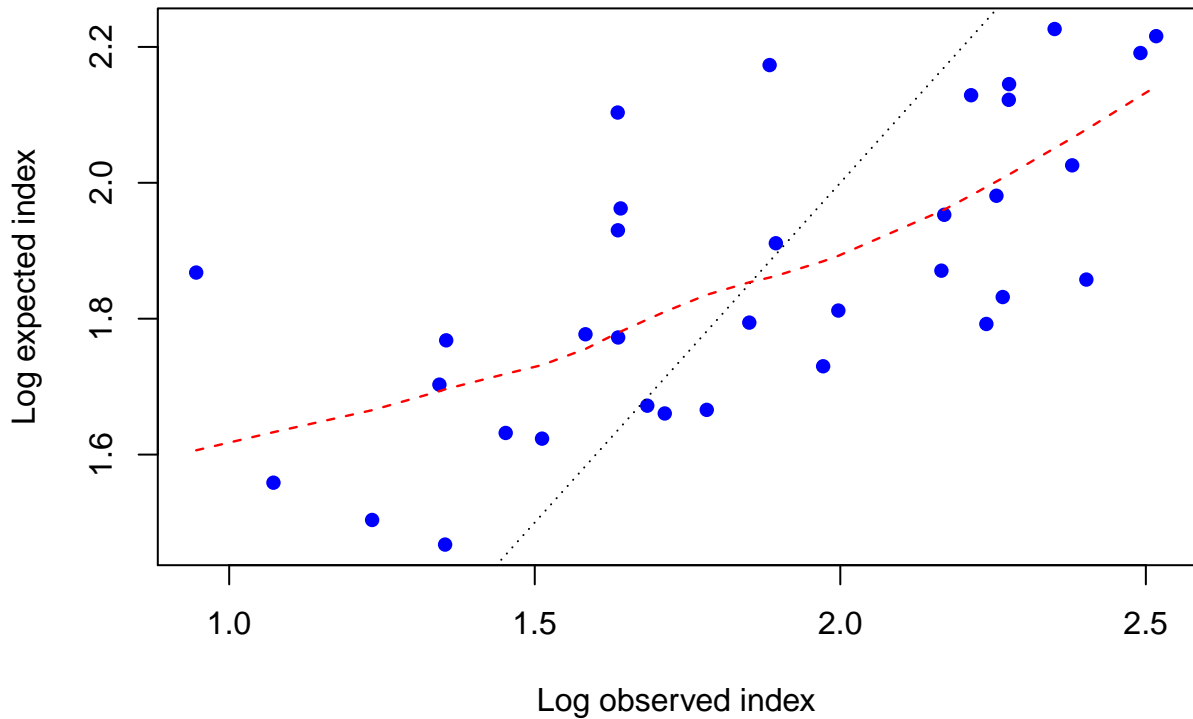
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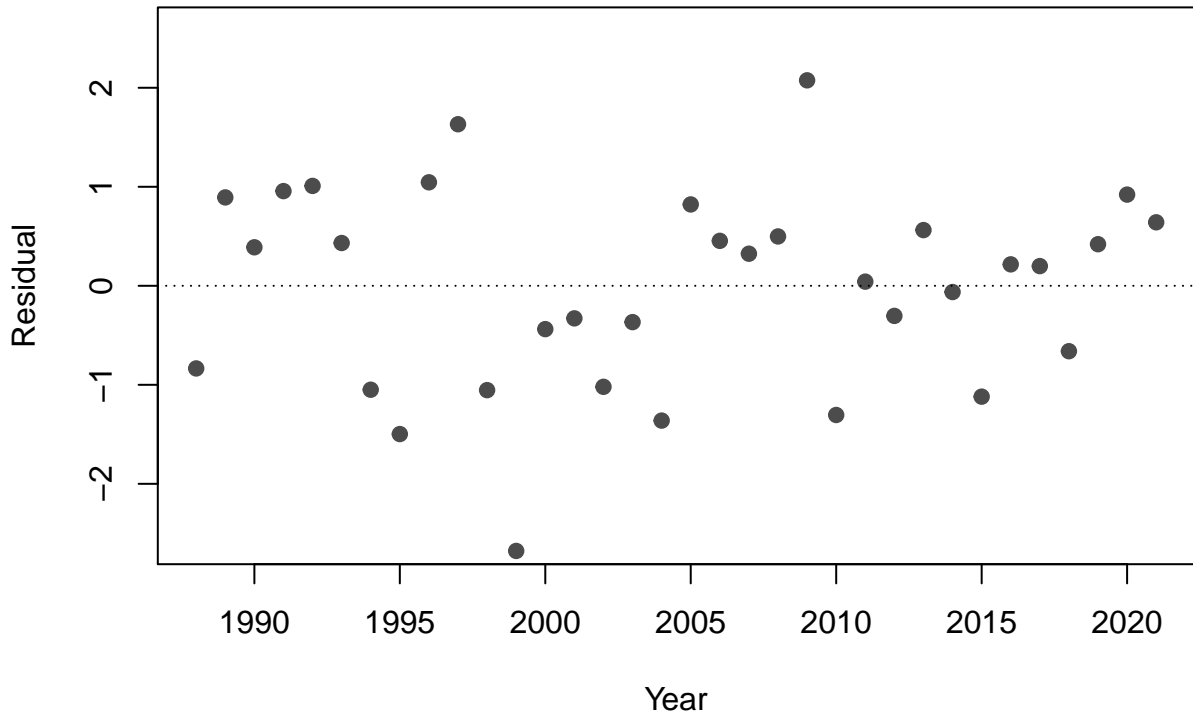
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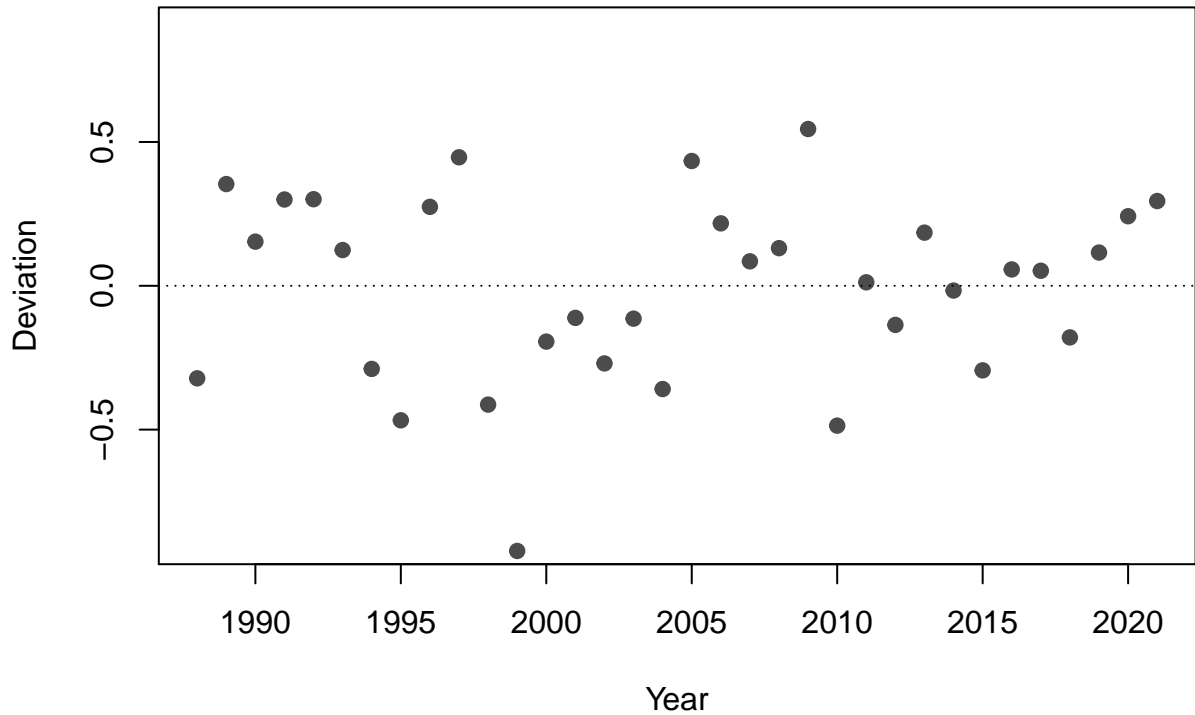
2020

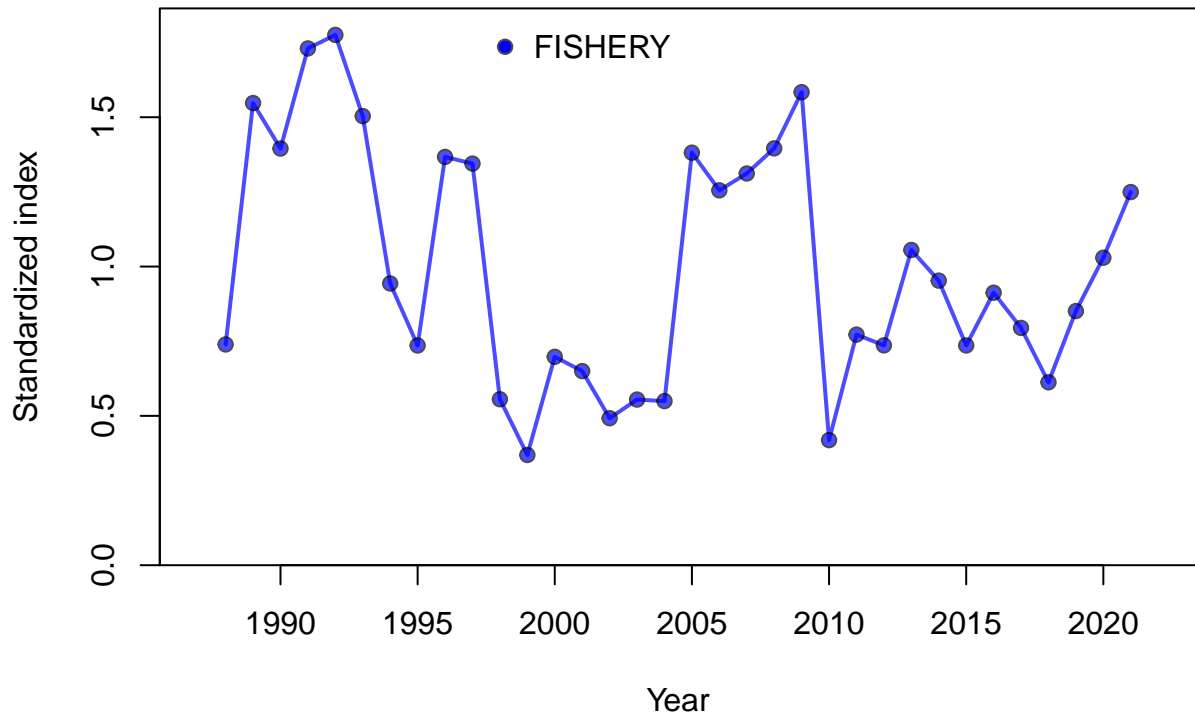
Year

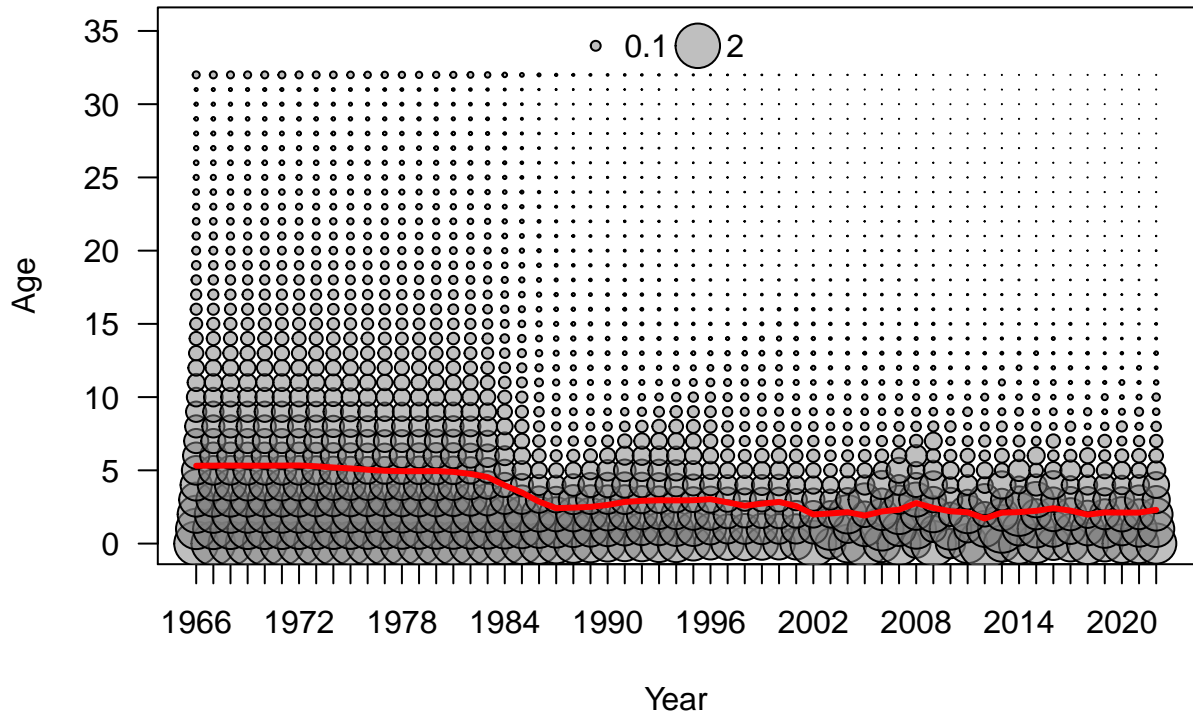


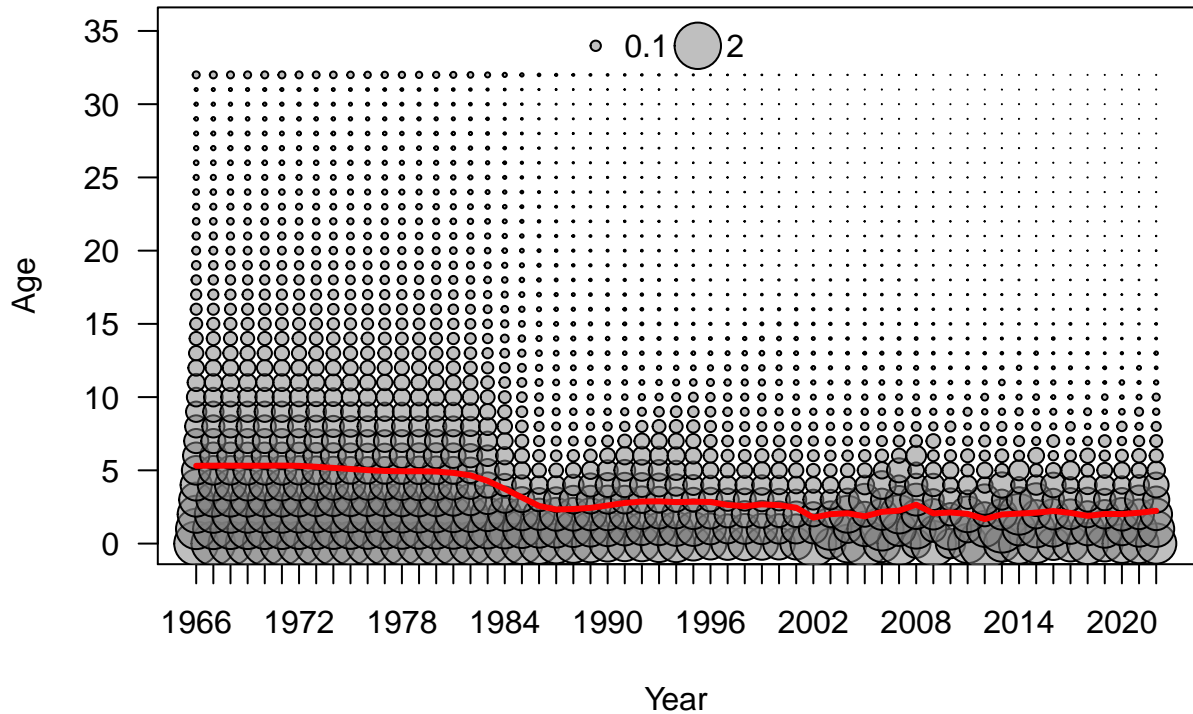


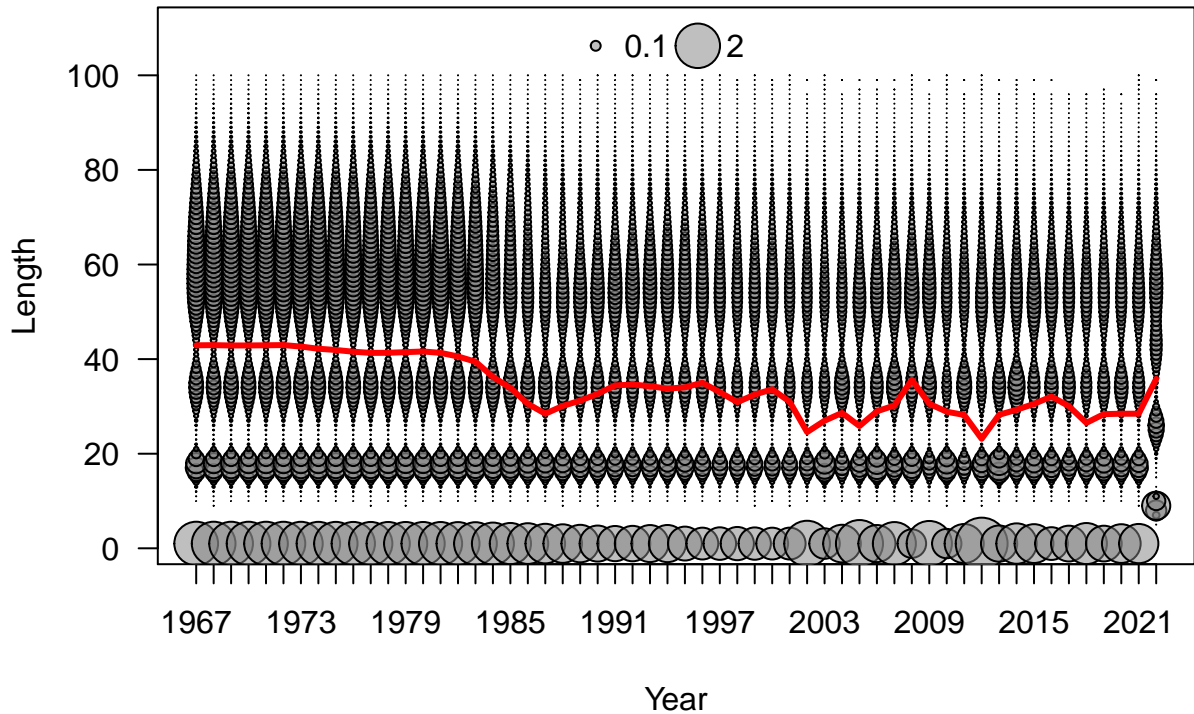


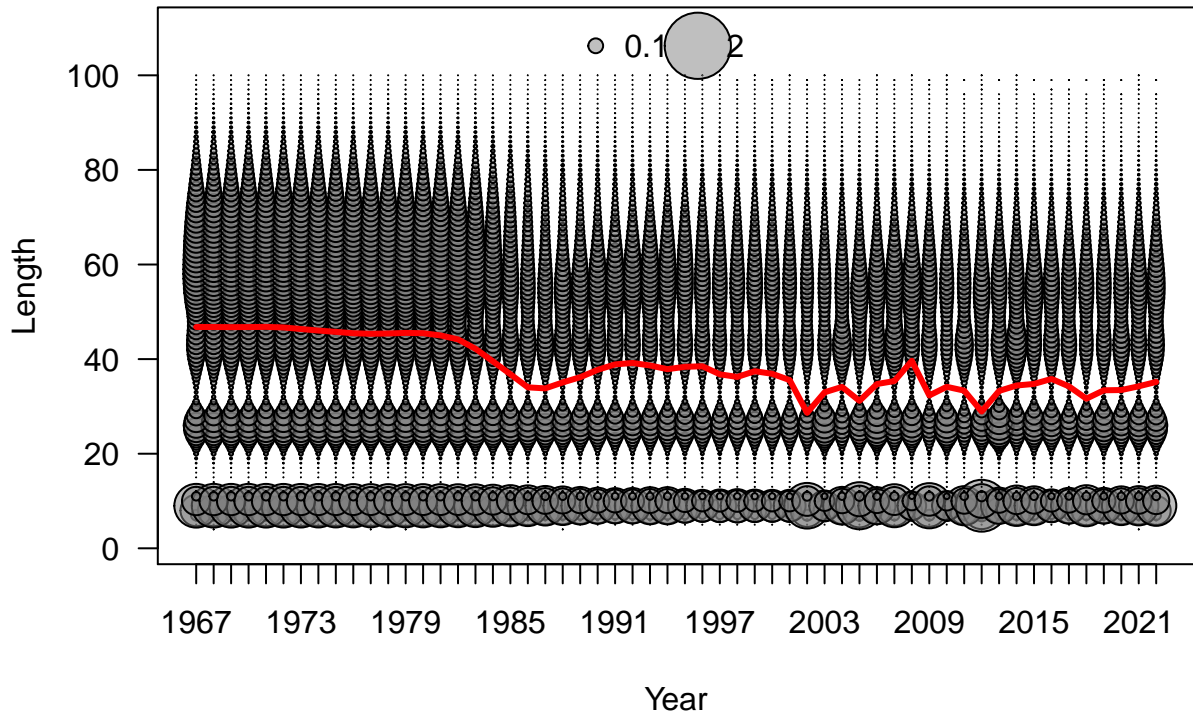


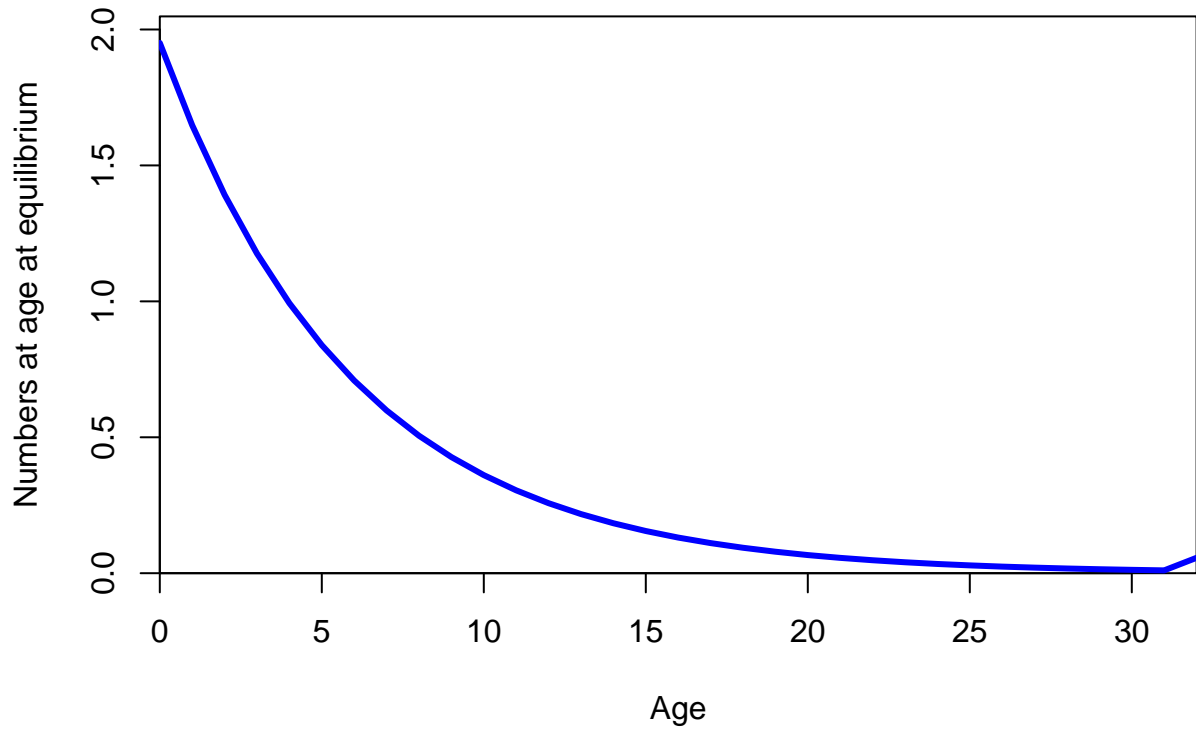


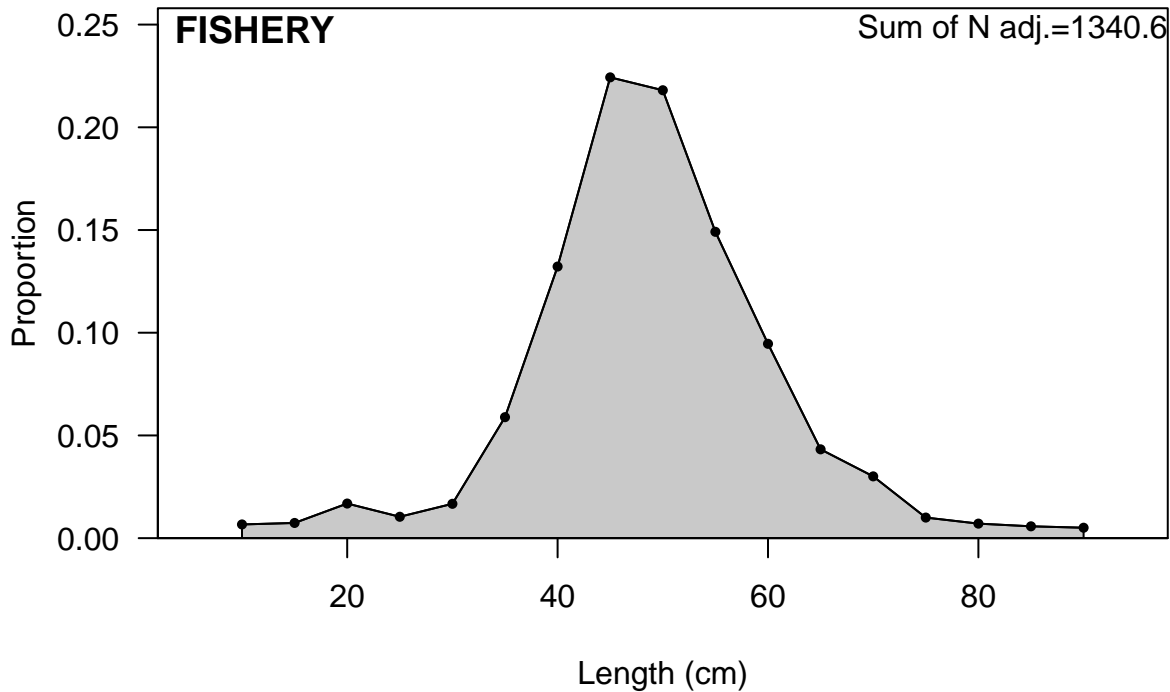






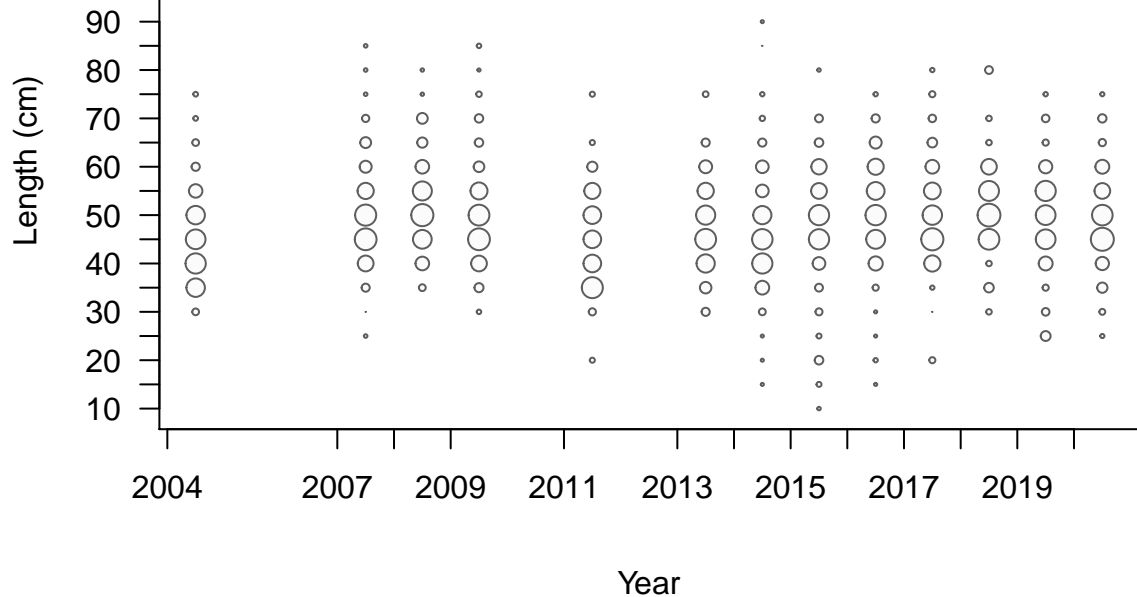




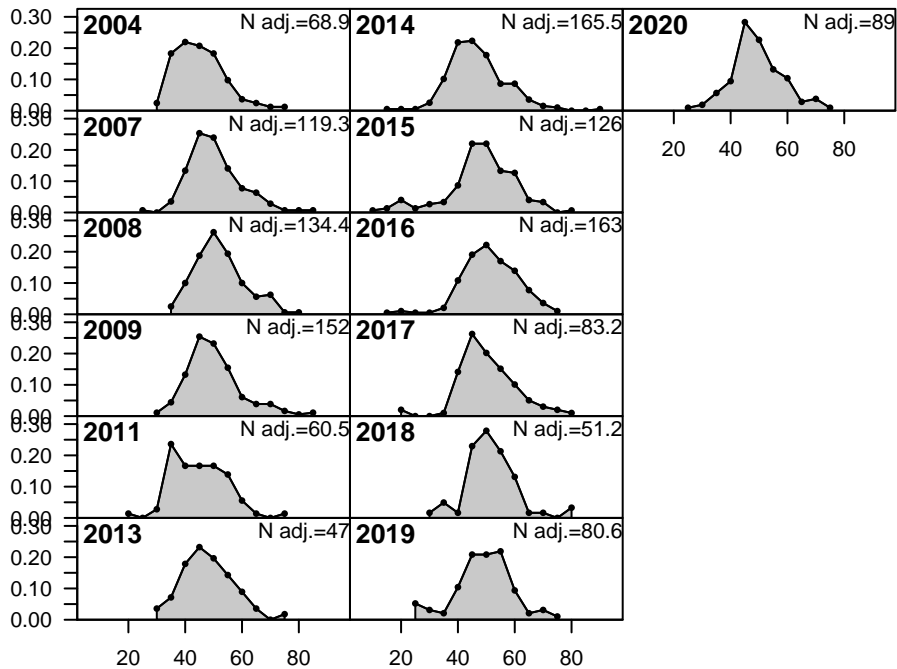


FISHERY

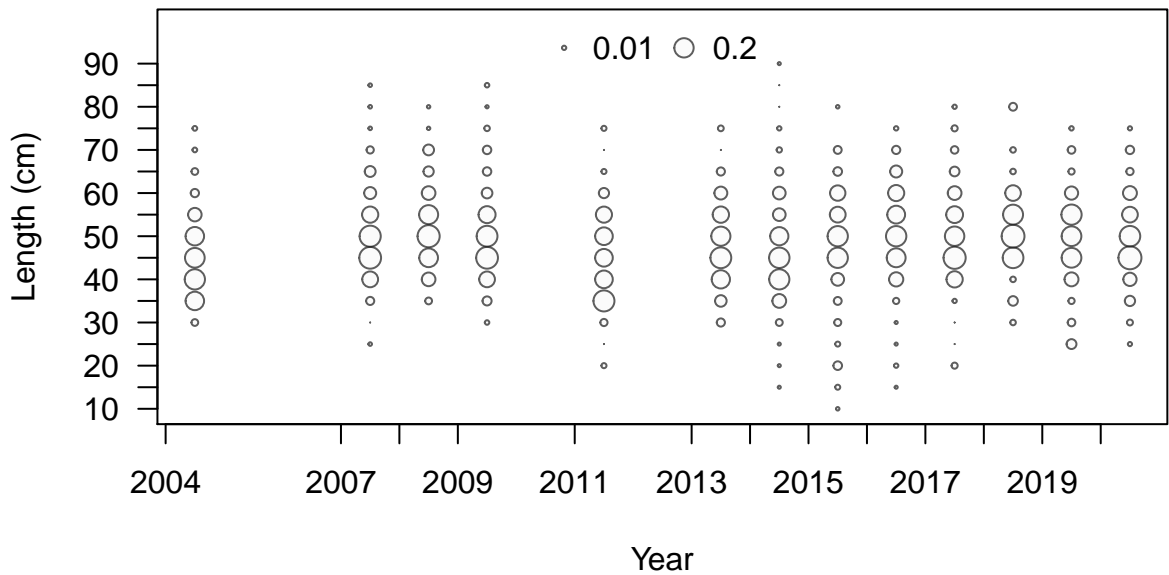
◦ 0.01 ○ 0.2



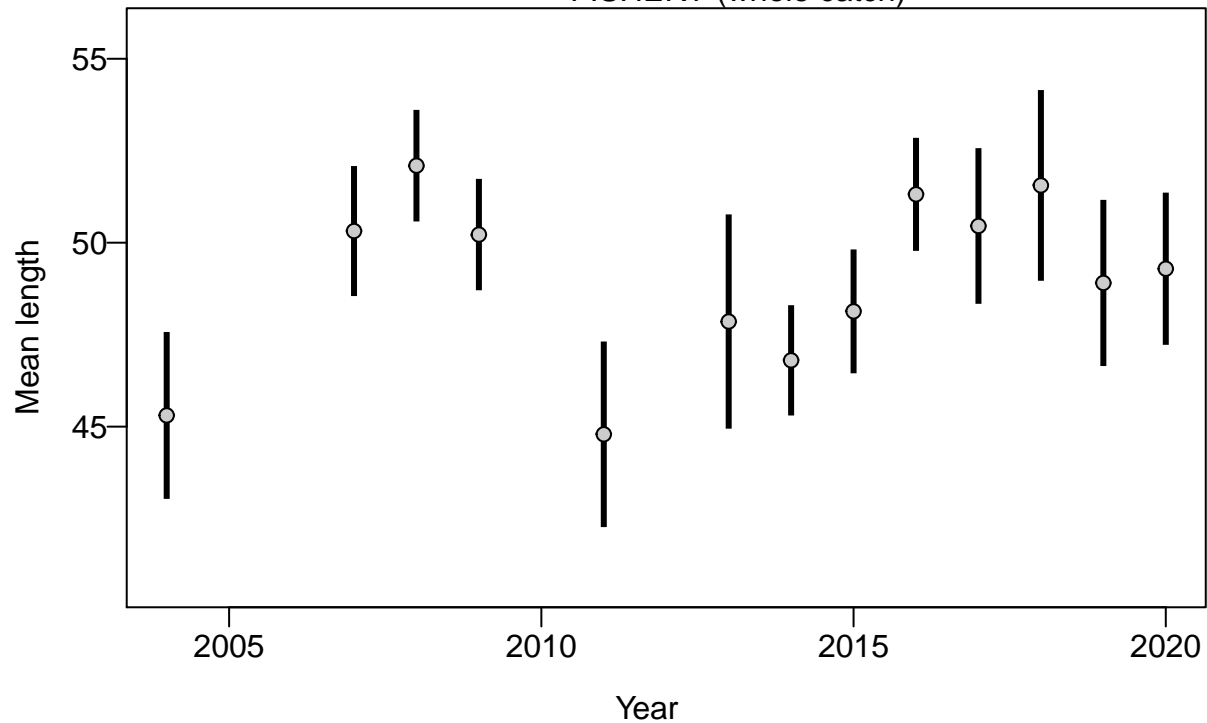
Proportion

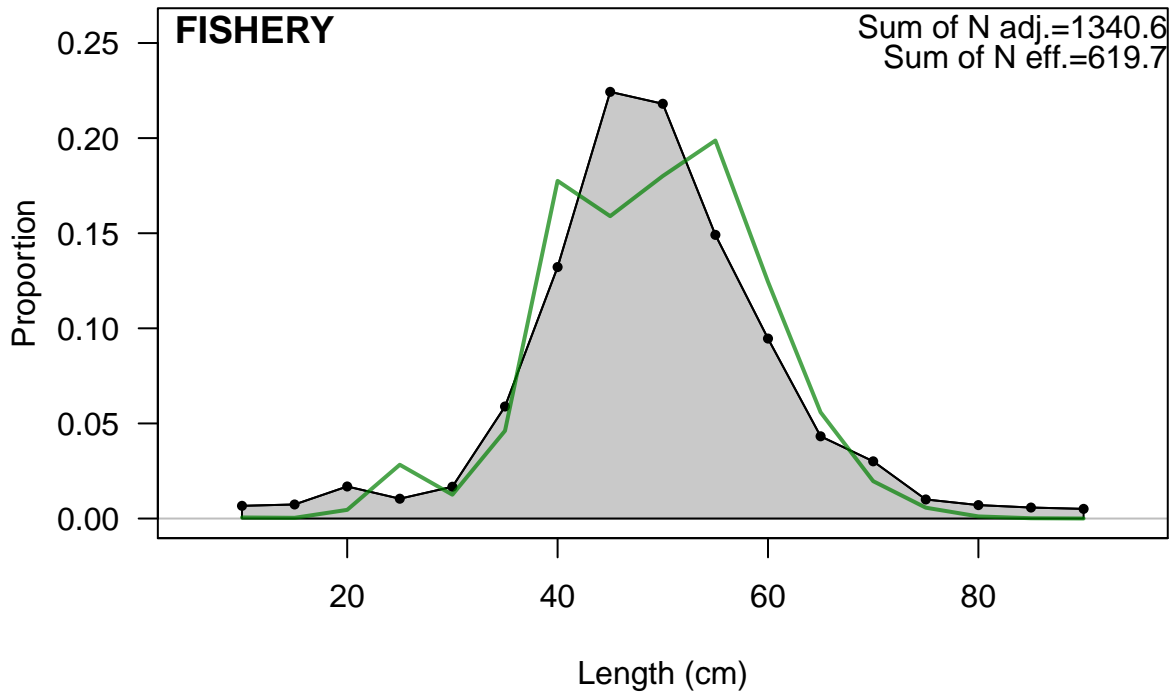


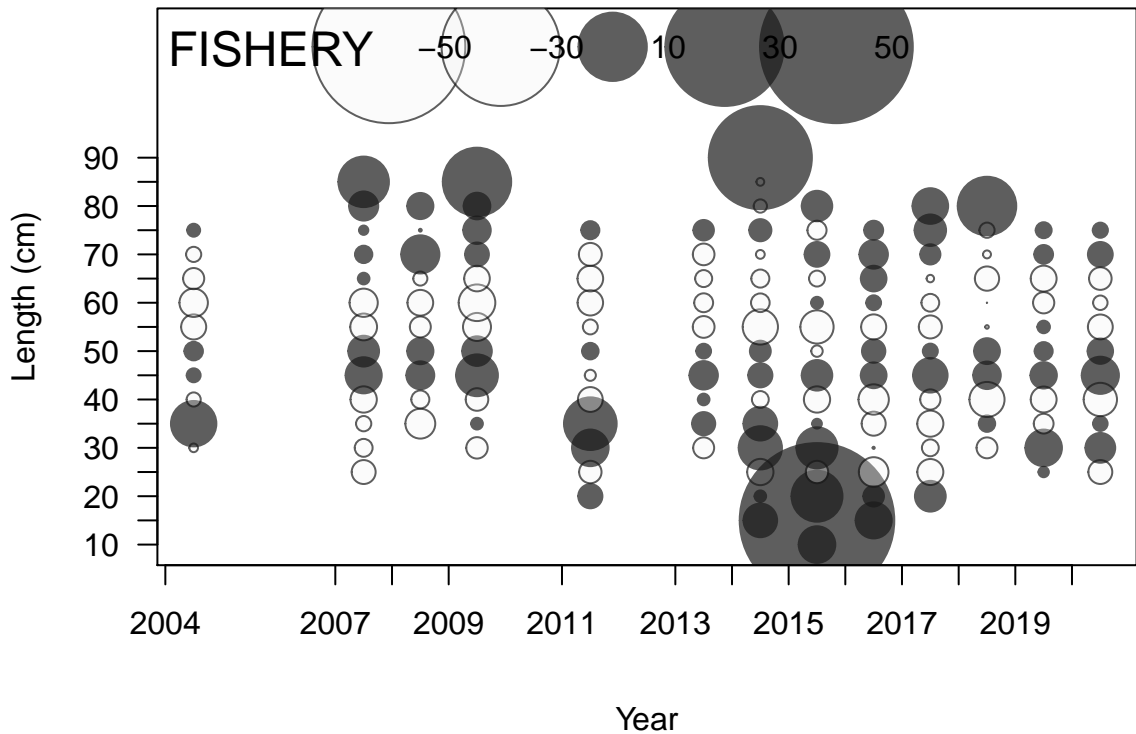
Length (cm)



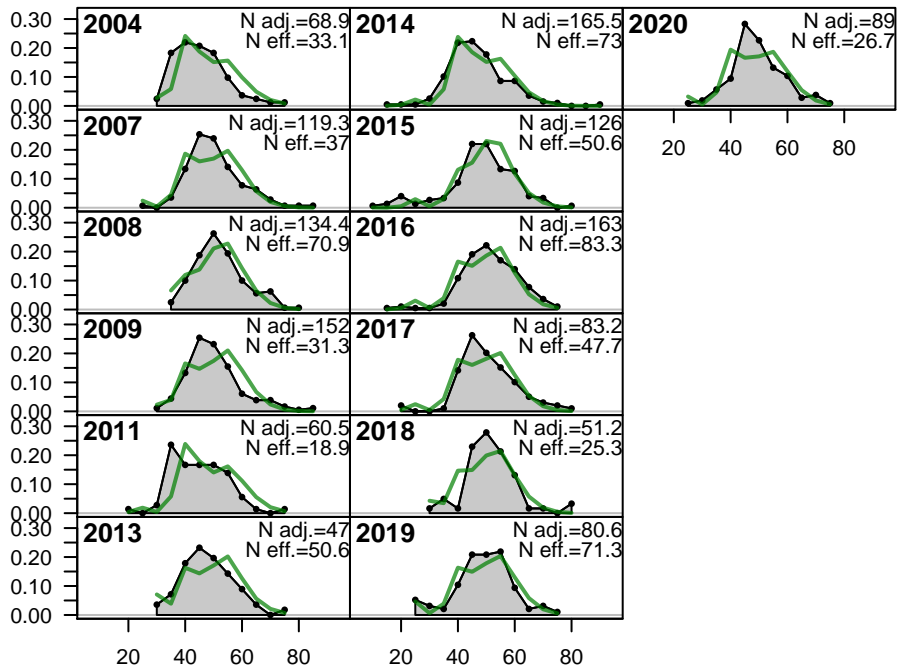
FISHERY (whole catch)



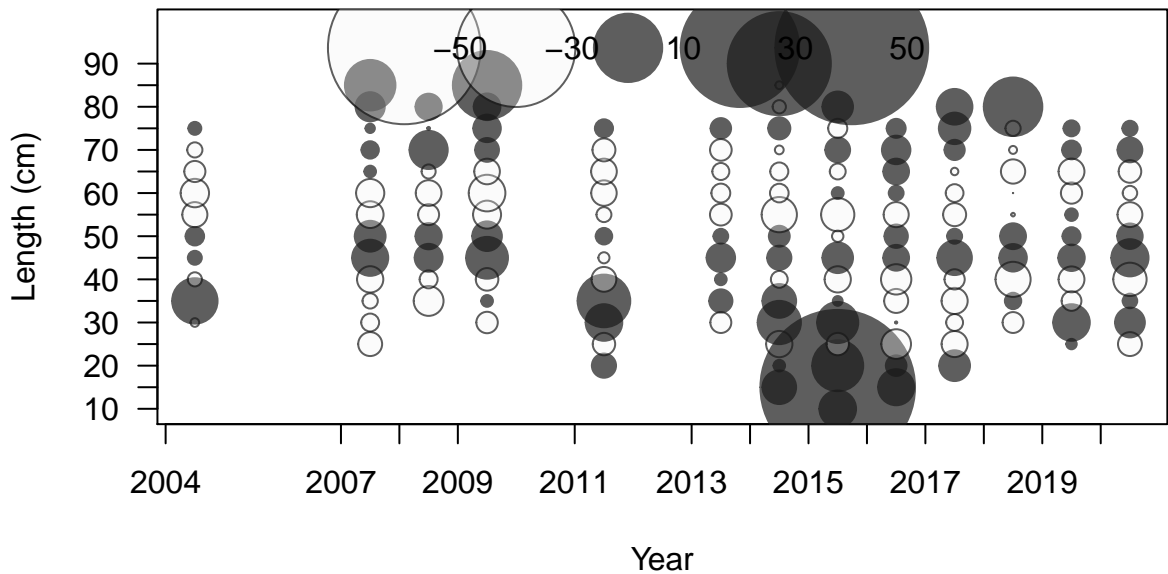




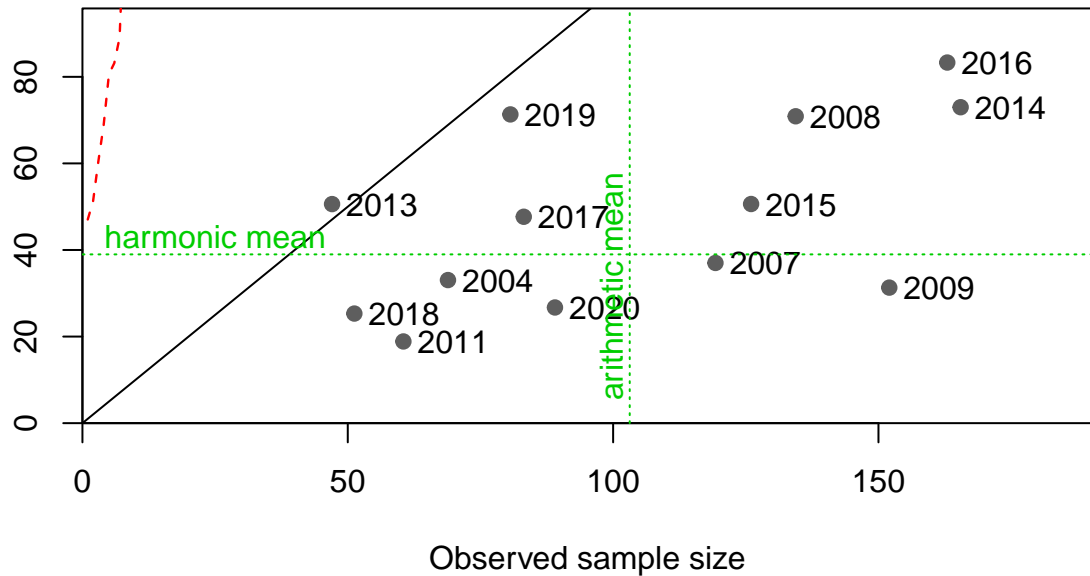
Proportion



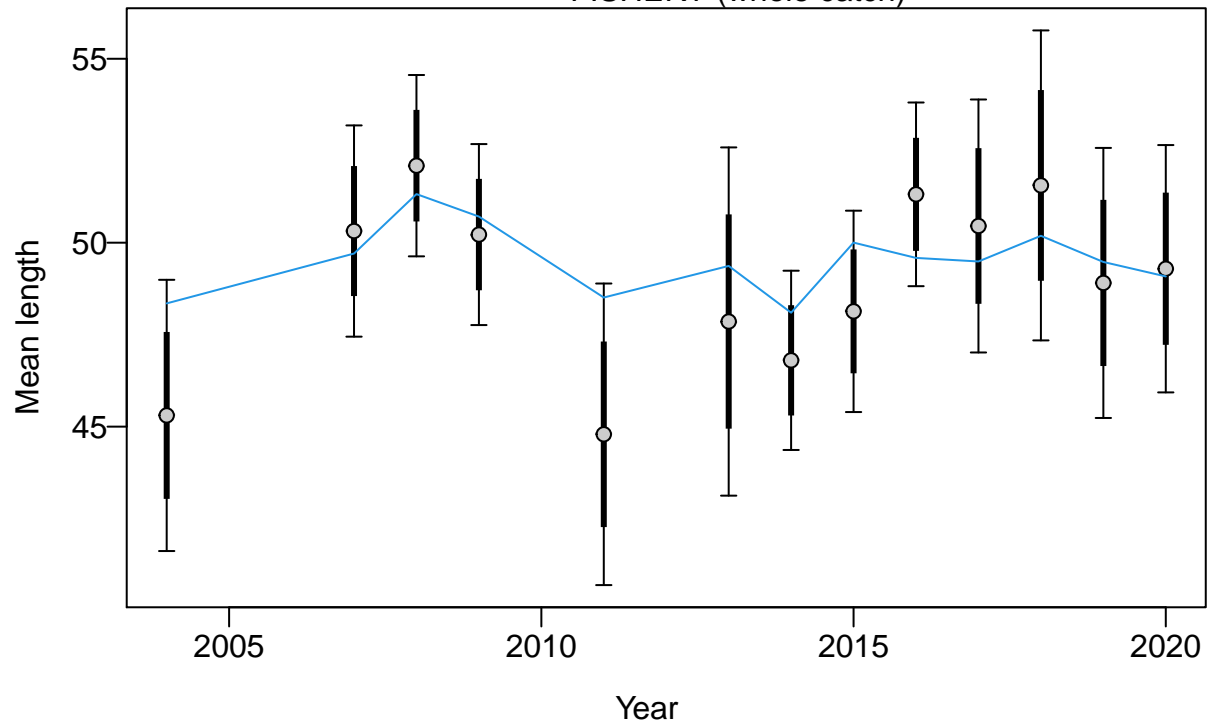
Length (cm)

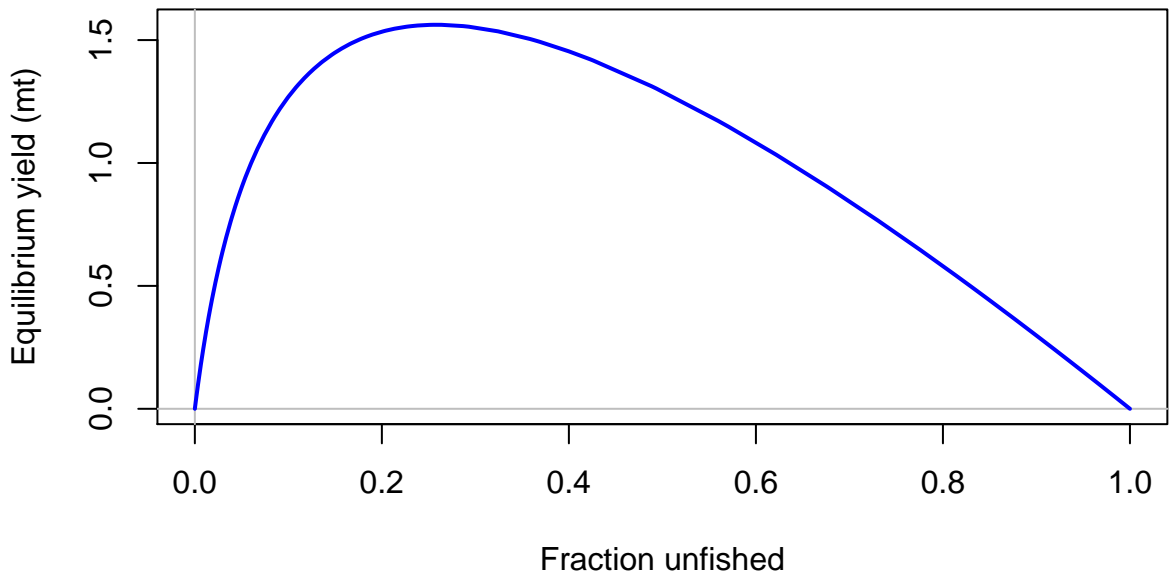


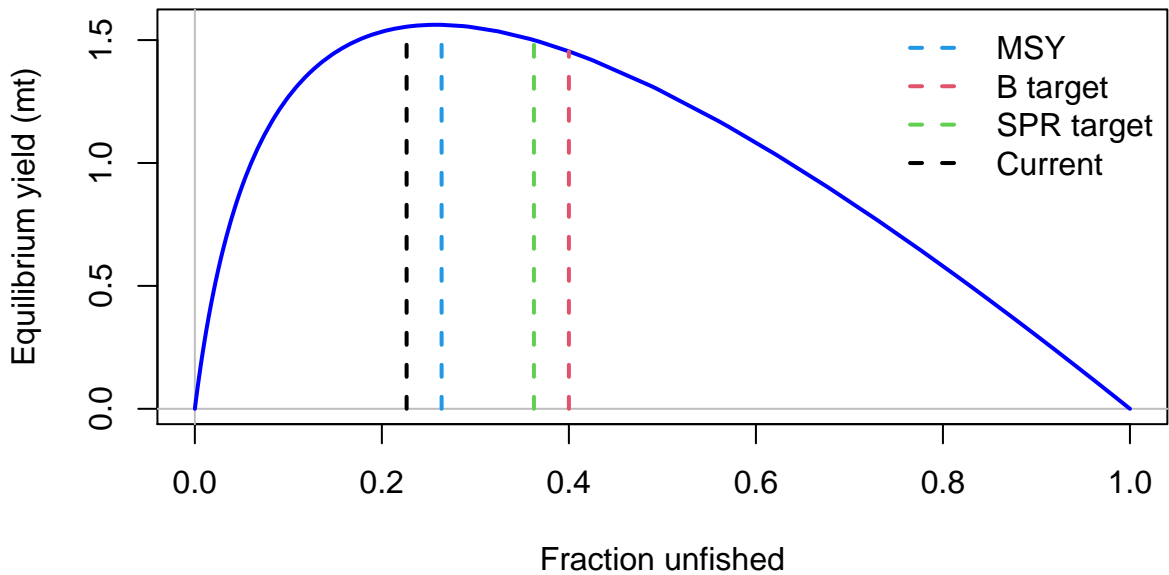
Effective sample size

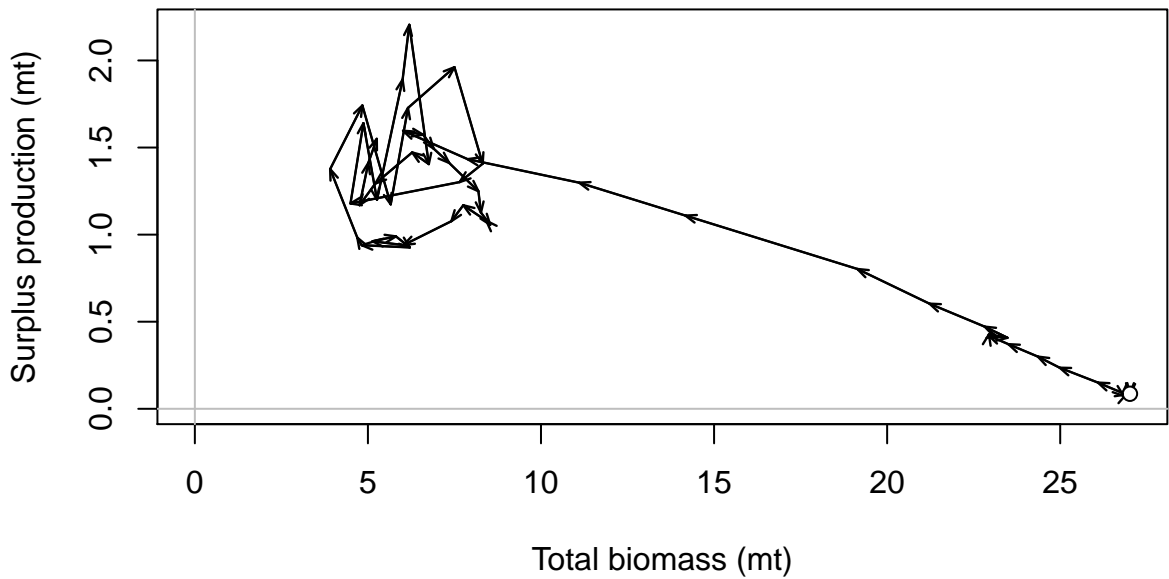


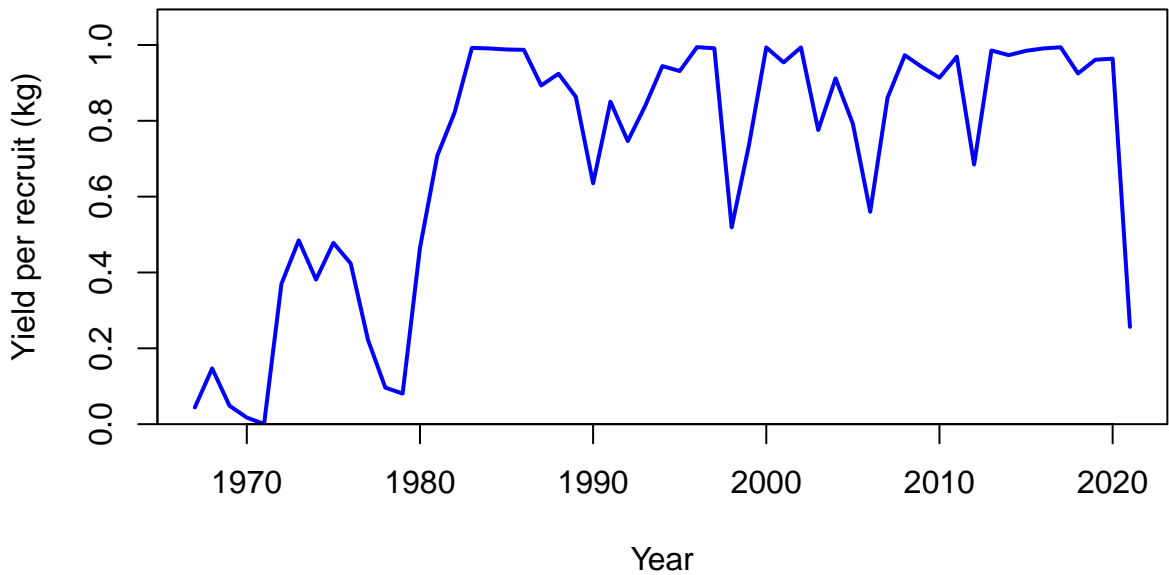
FISHERY (whole catch)

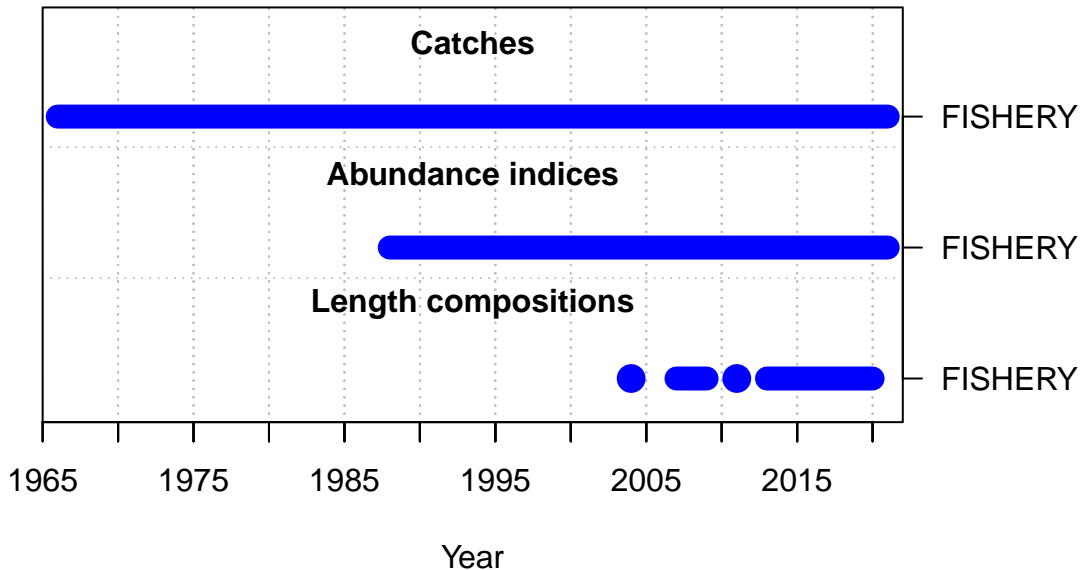


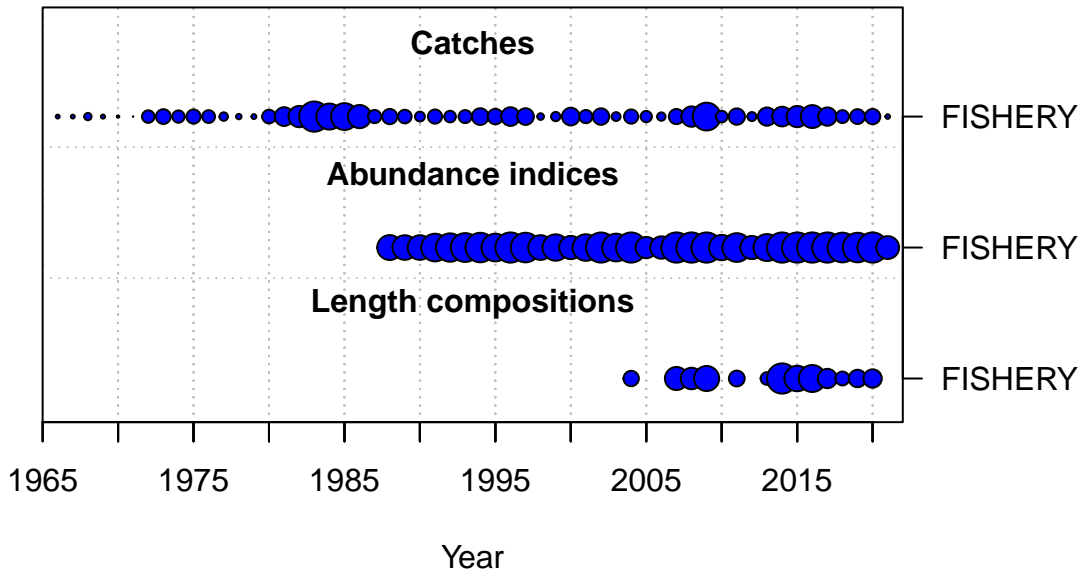








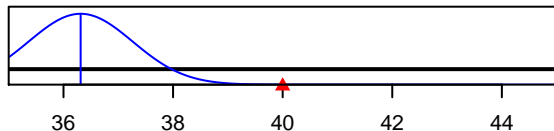




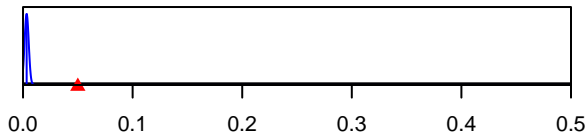
SR_LN(R0)



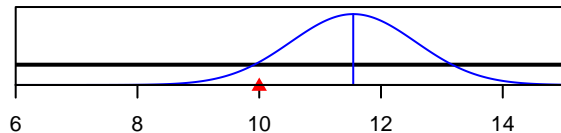
Size_inflection_FISHERY(1)



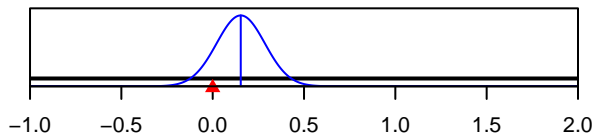
InitF_seas_1_flt_1FISHERY



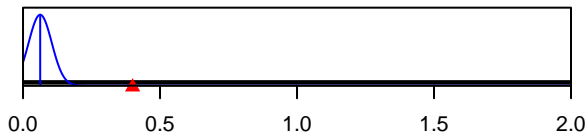
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



Q_extraSD_FISHERY(1)



Parameter value