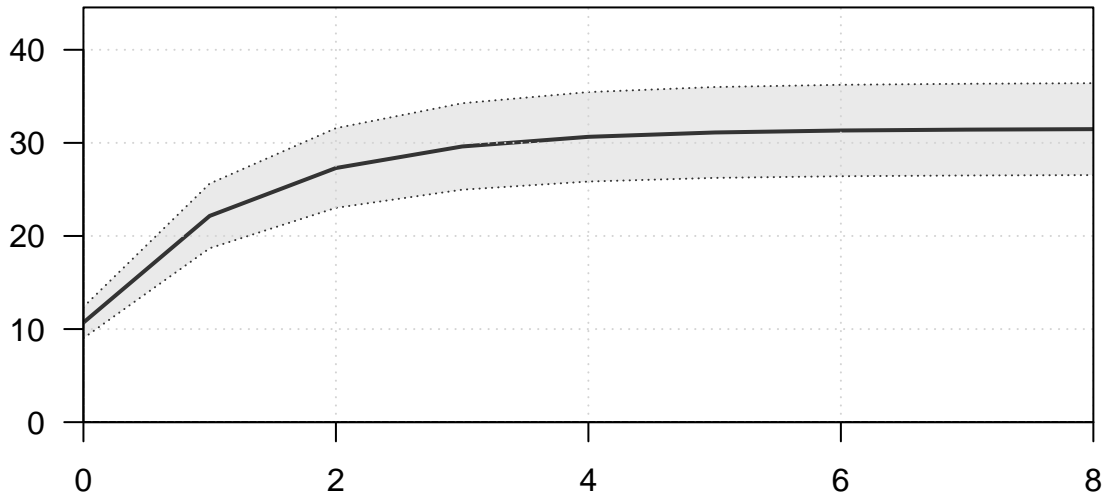
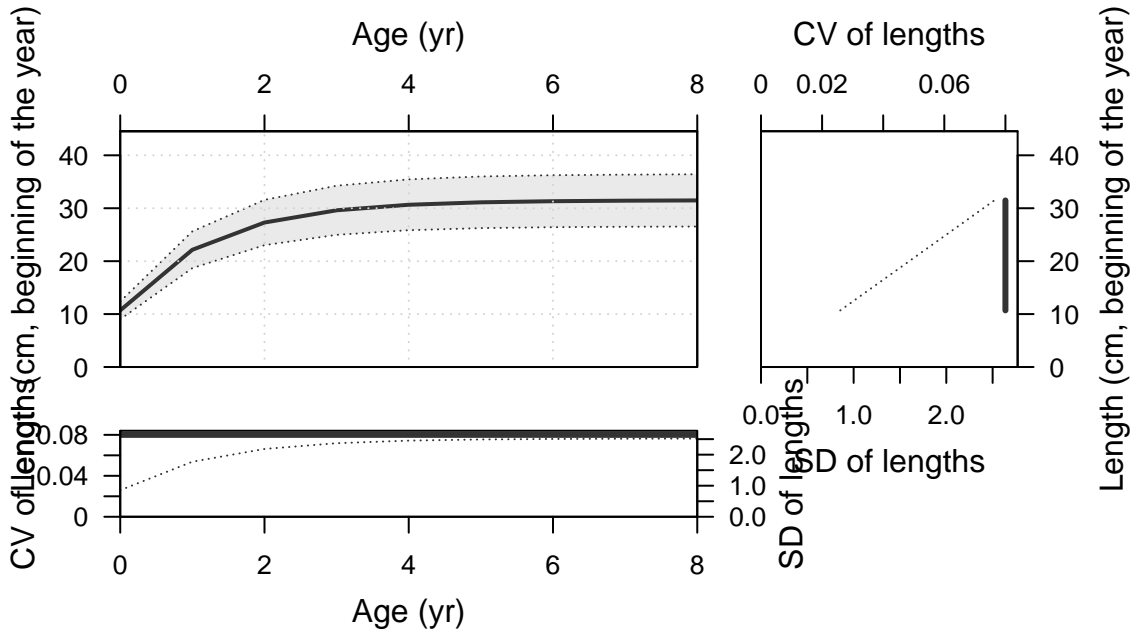


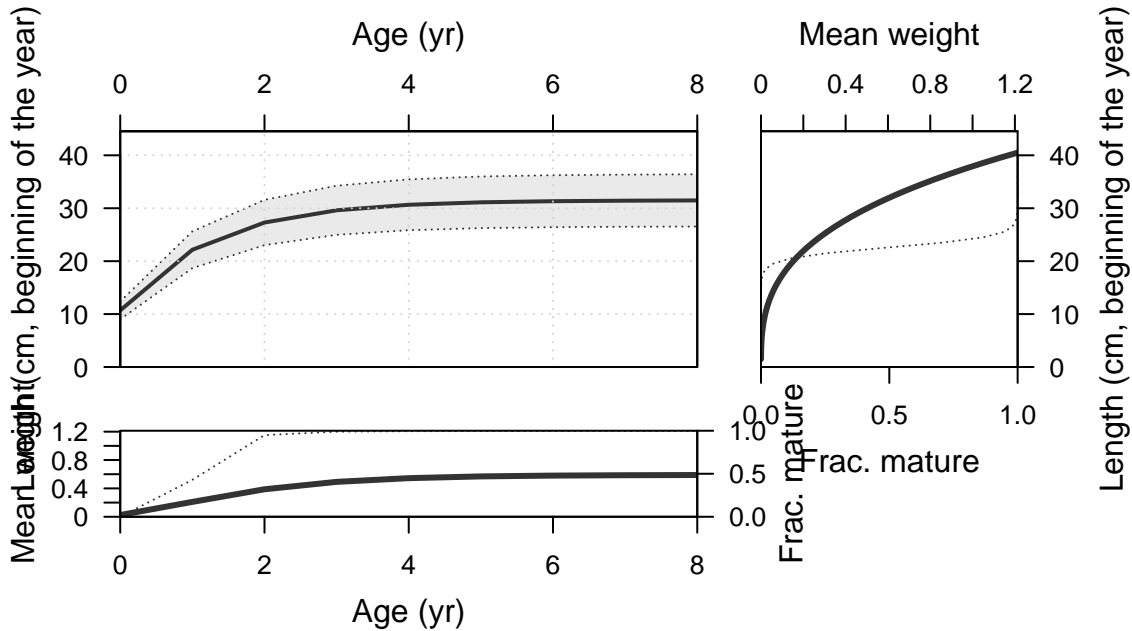
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Thu Jul 14 16:17:56 2022
Data_File: data.ss
Control_File: control.ss

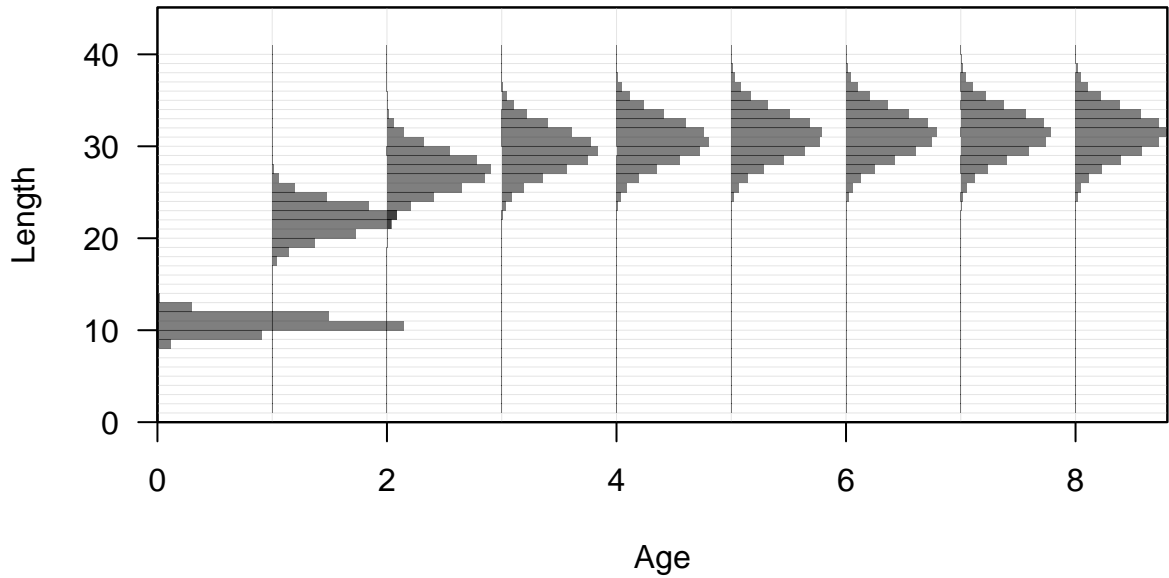
Length (cm, beginning of the year)

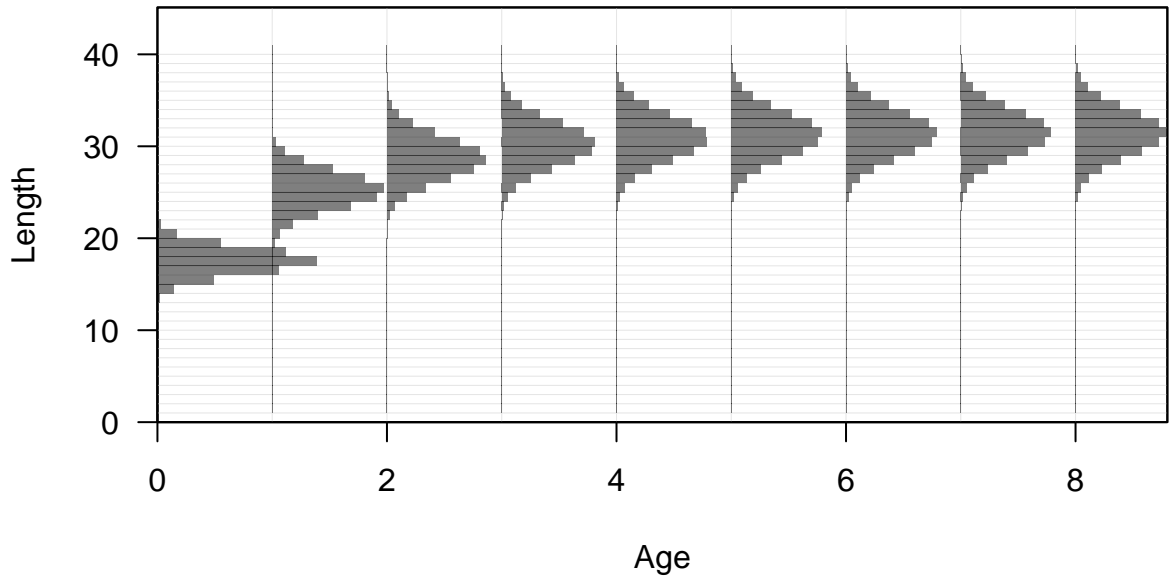


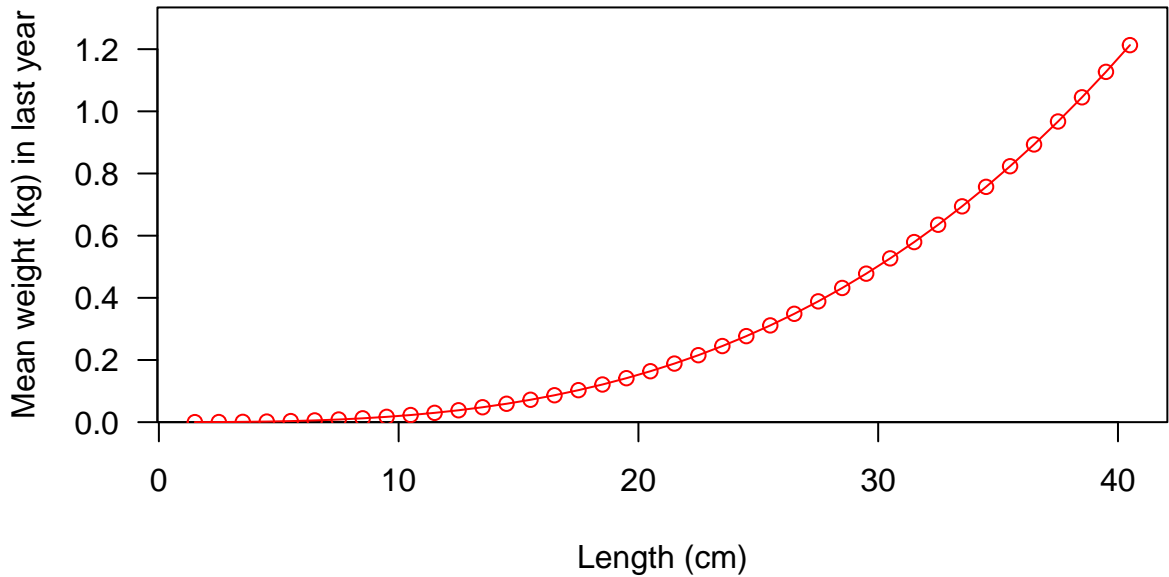
Age (yr)

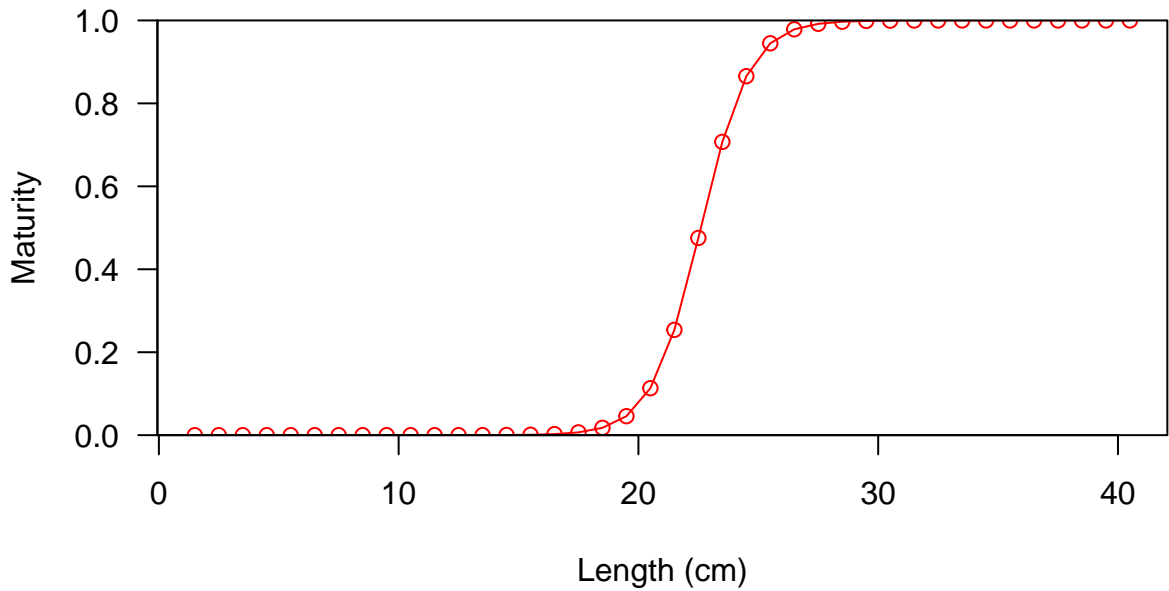


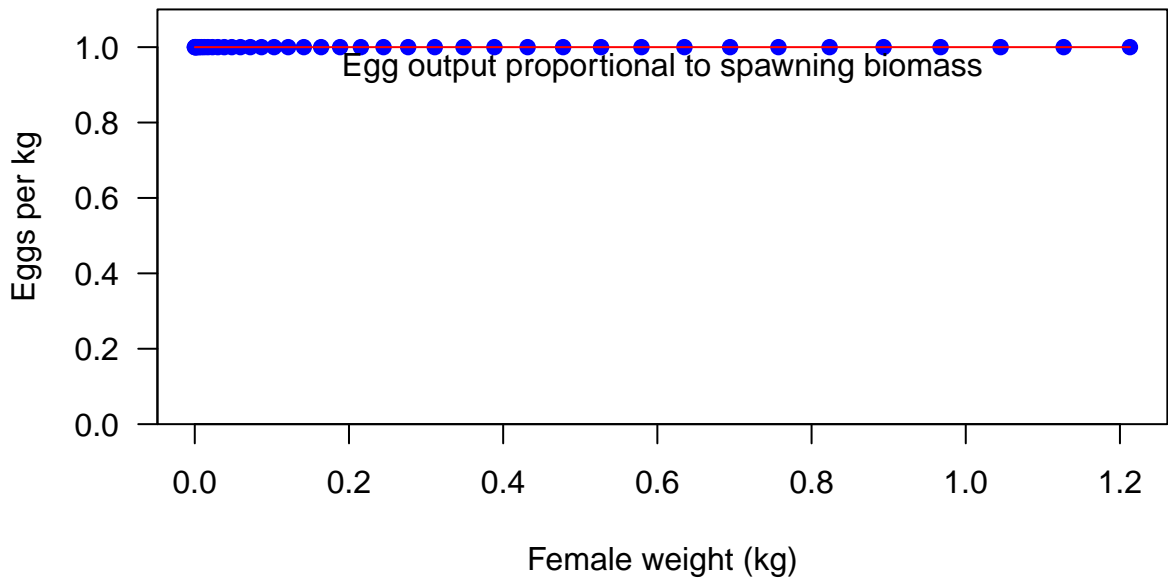


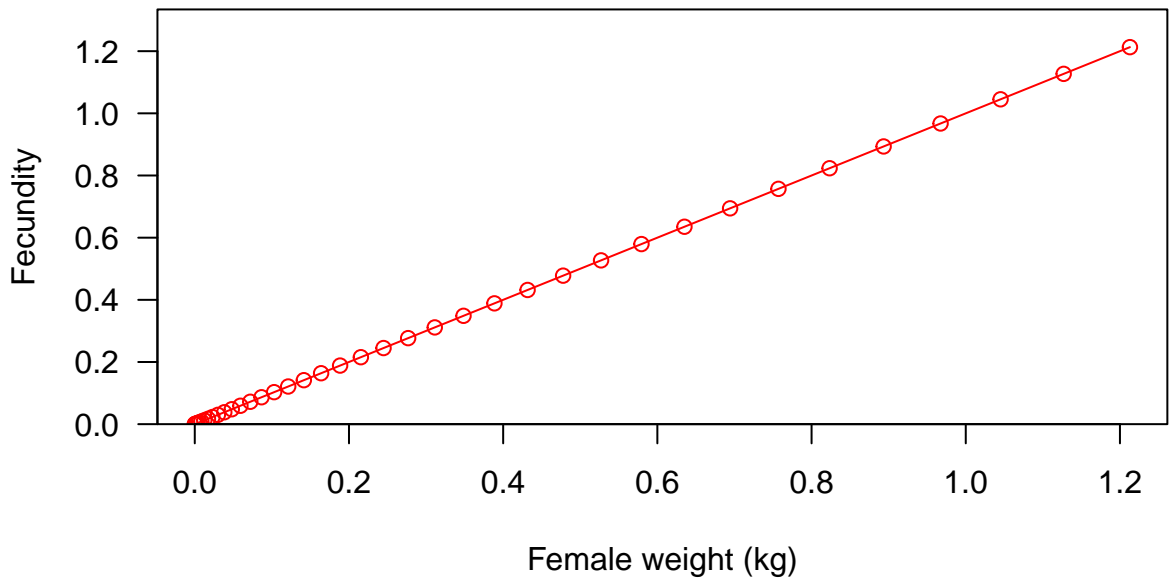


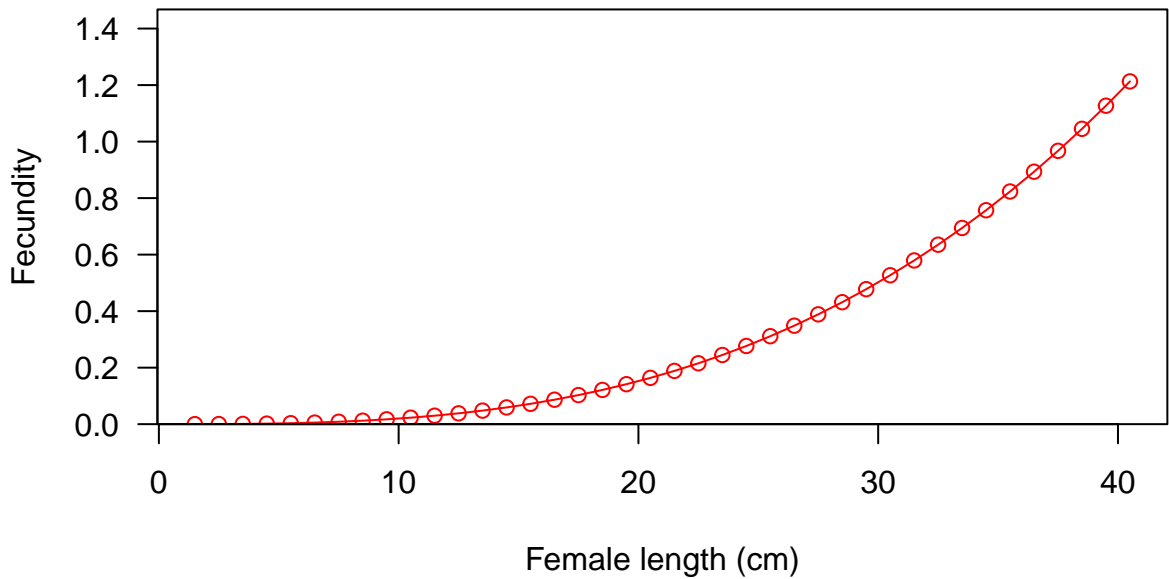


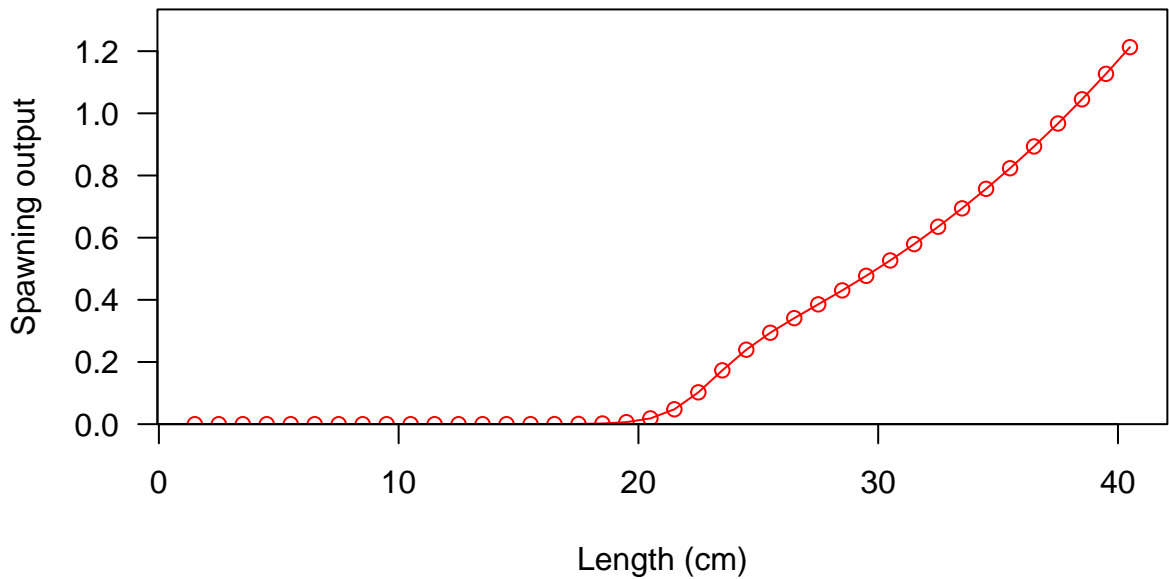


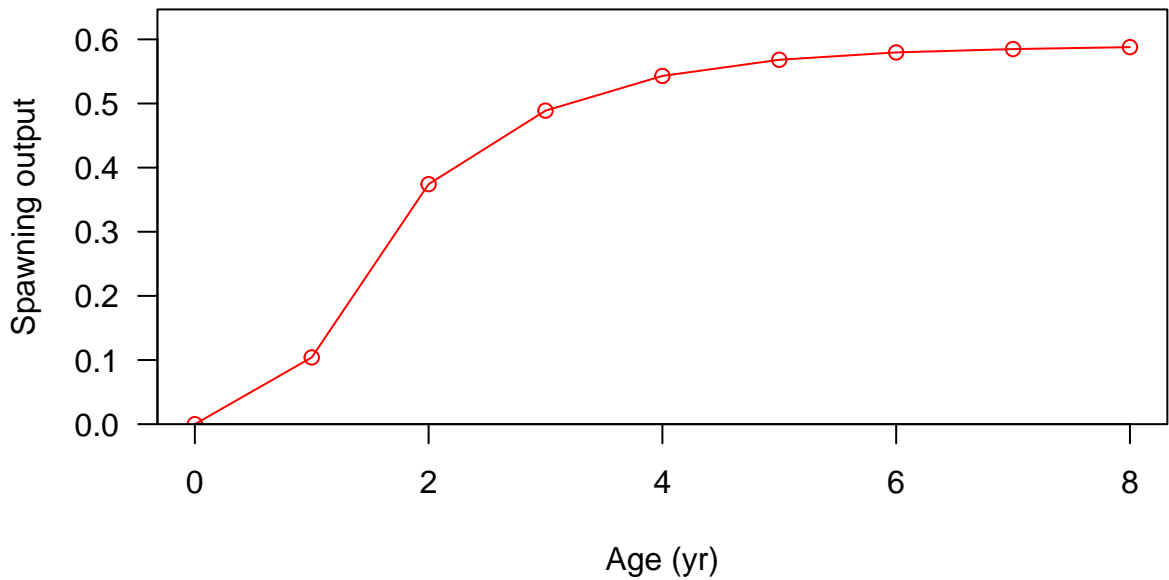




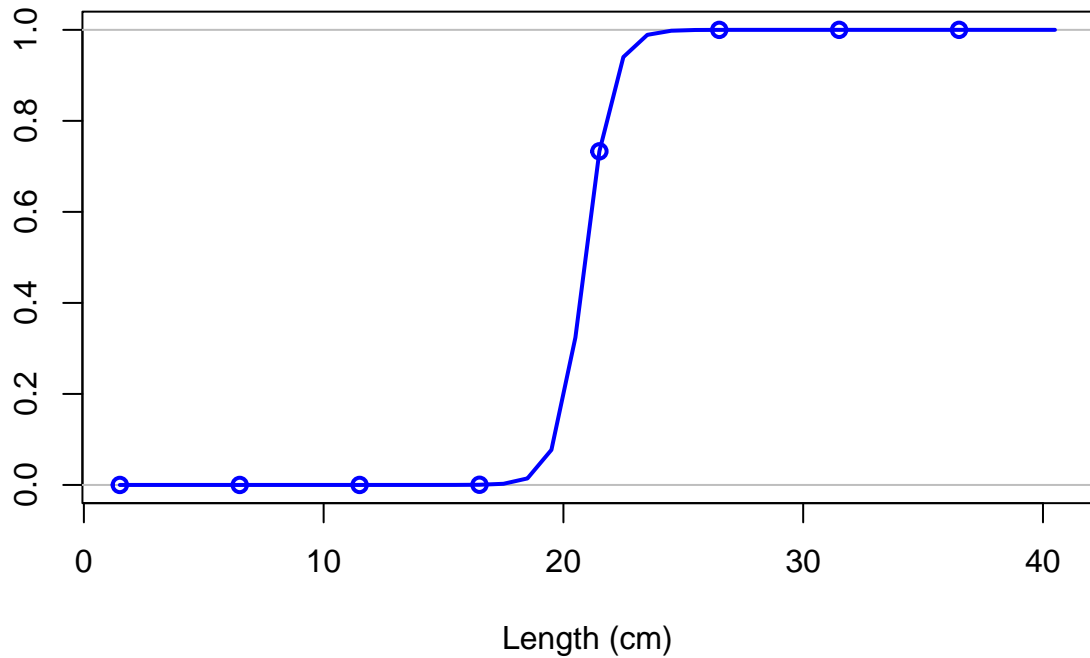




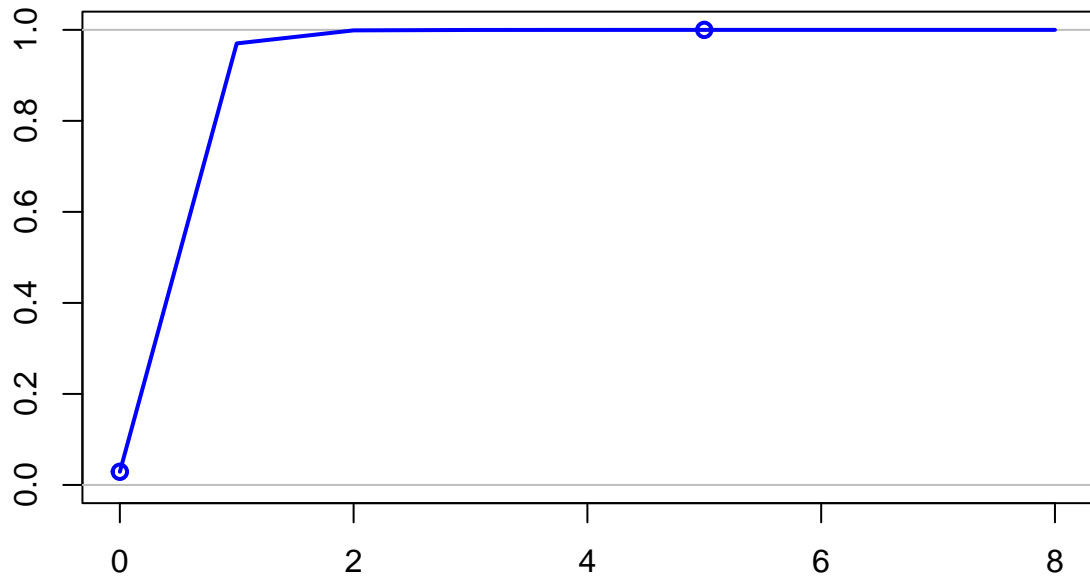




Selectivity

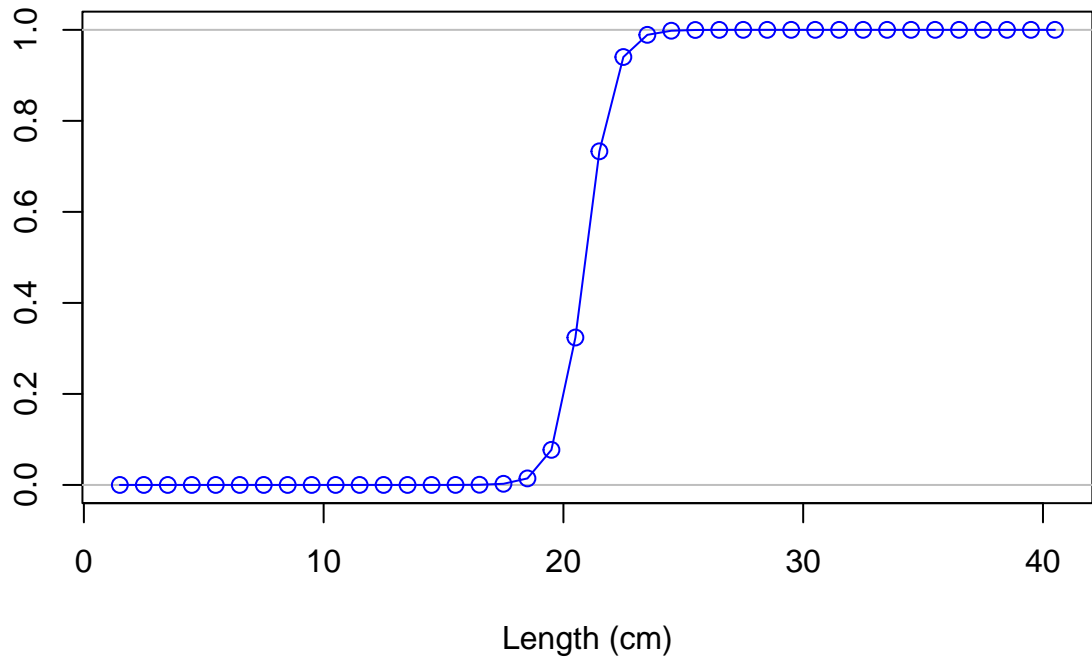


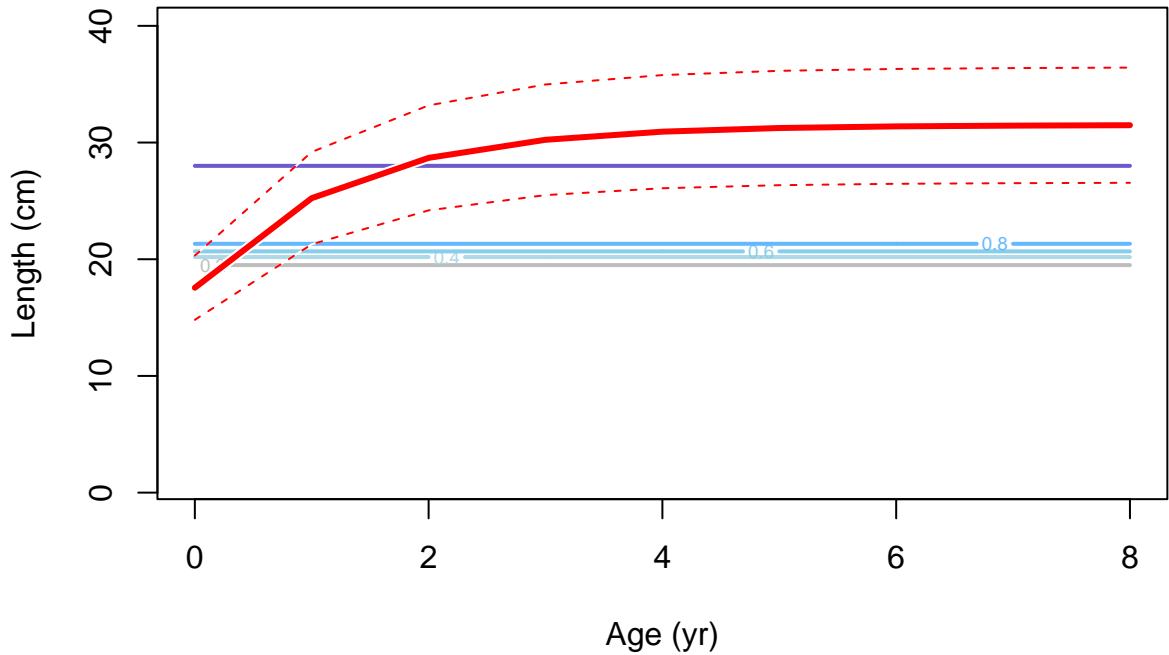
Selectivity



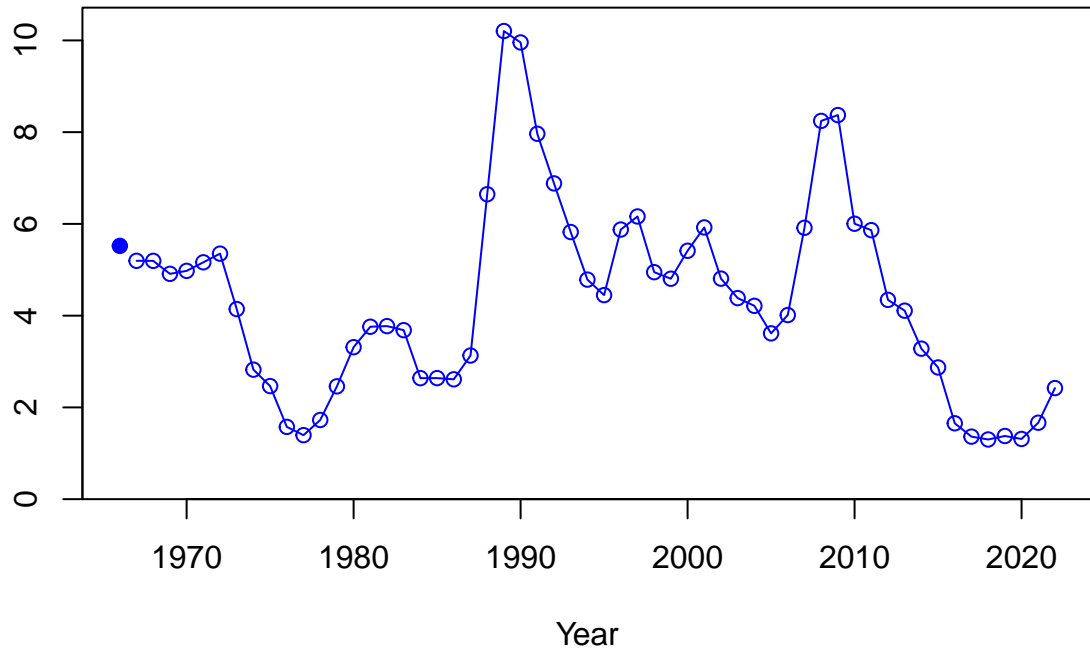
Age (yr)

Selectivity

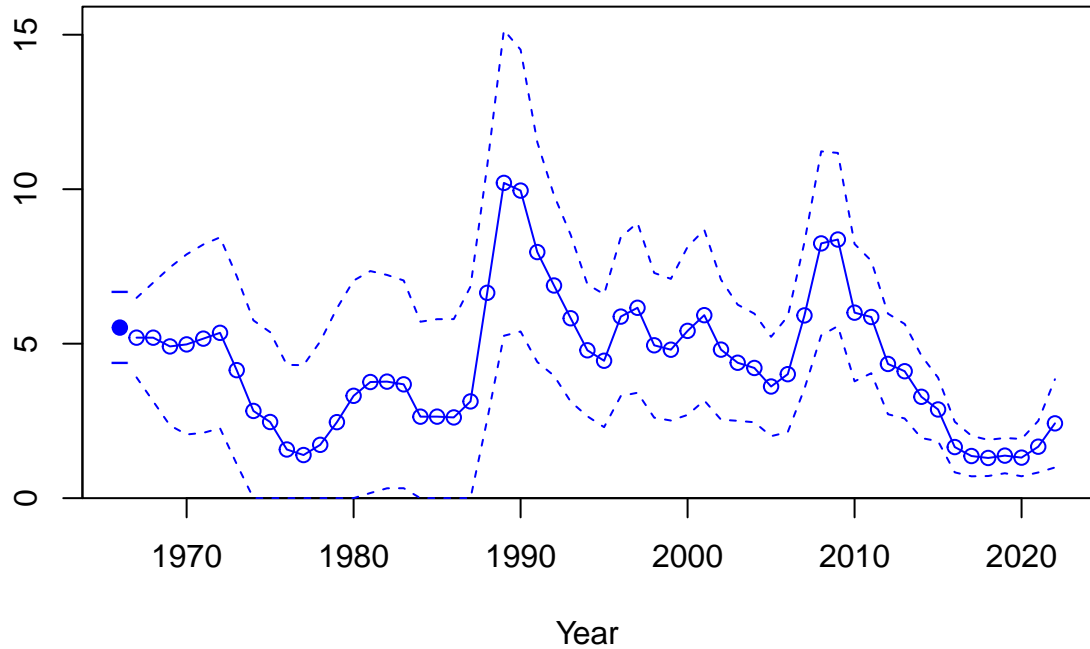




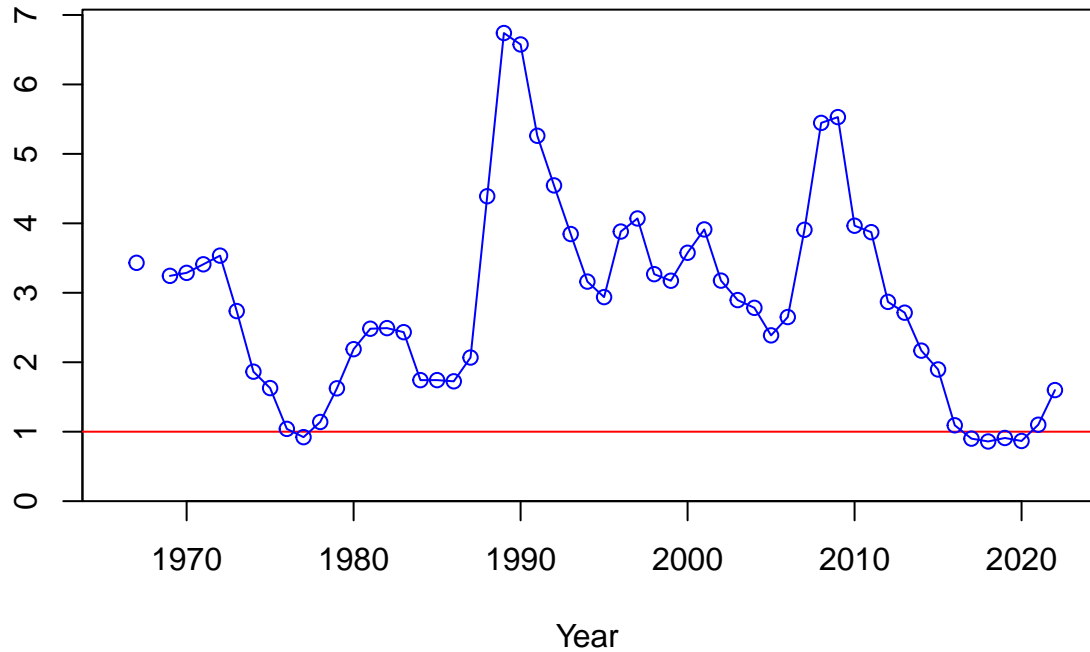
Spawning biomass (mt)



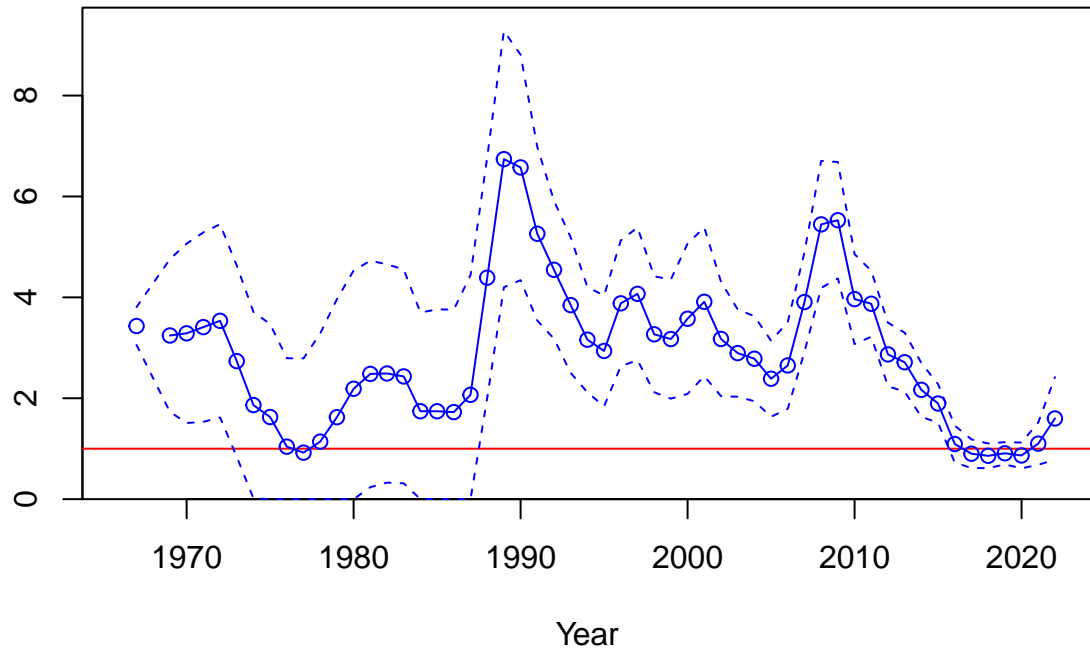
Spawning biomass (mt)

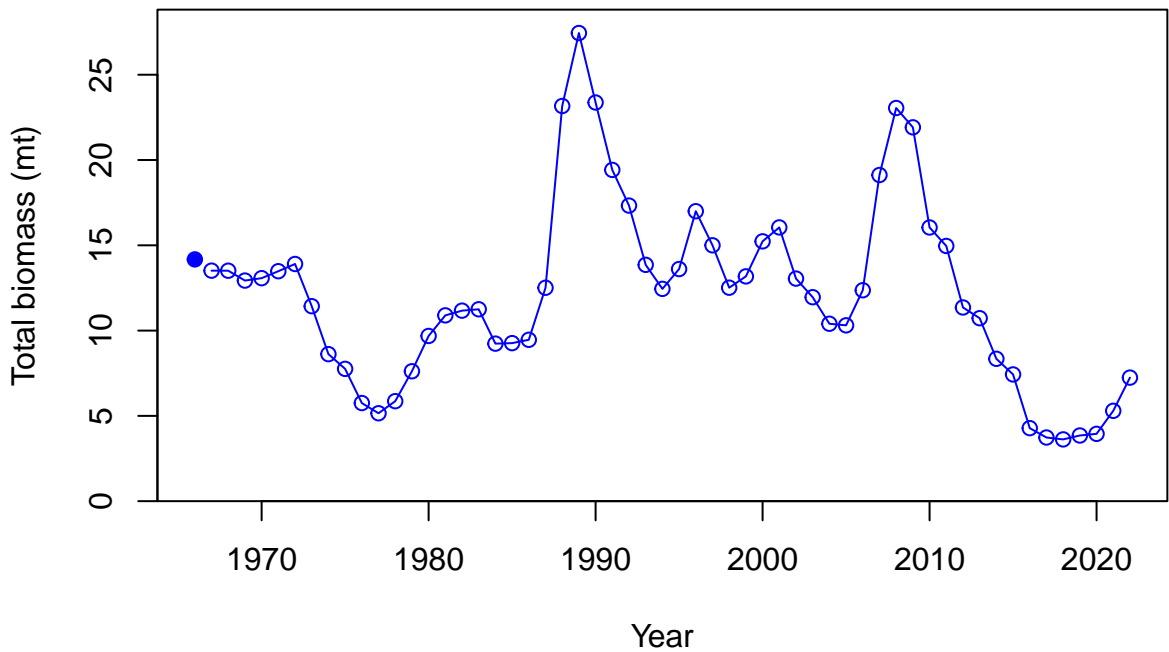


Relative spawning biomass: B/B_{MSY}

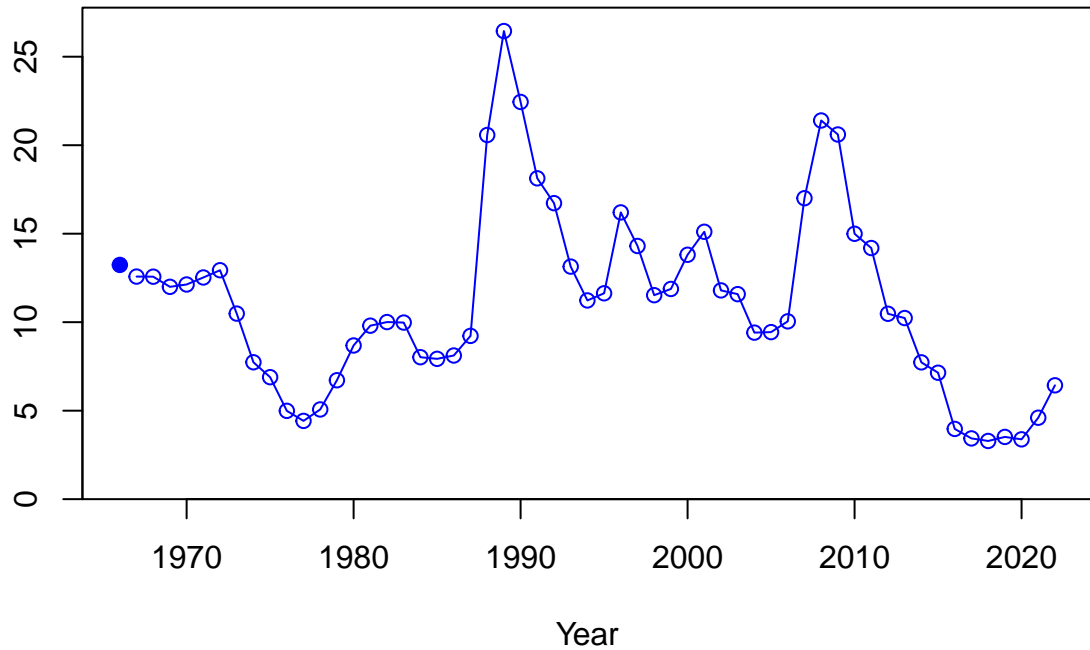


Relative spawning biomass: B/B_{MSY}

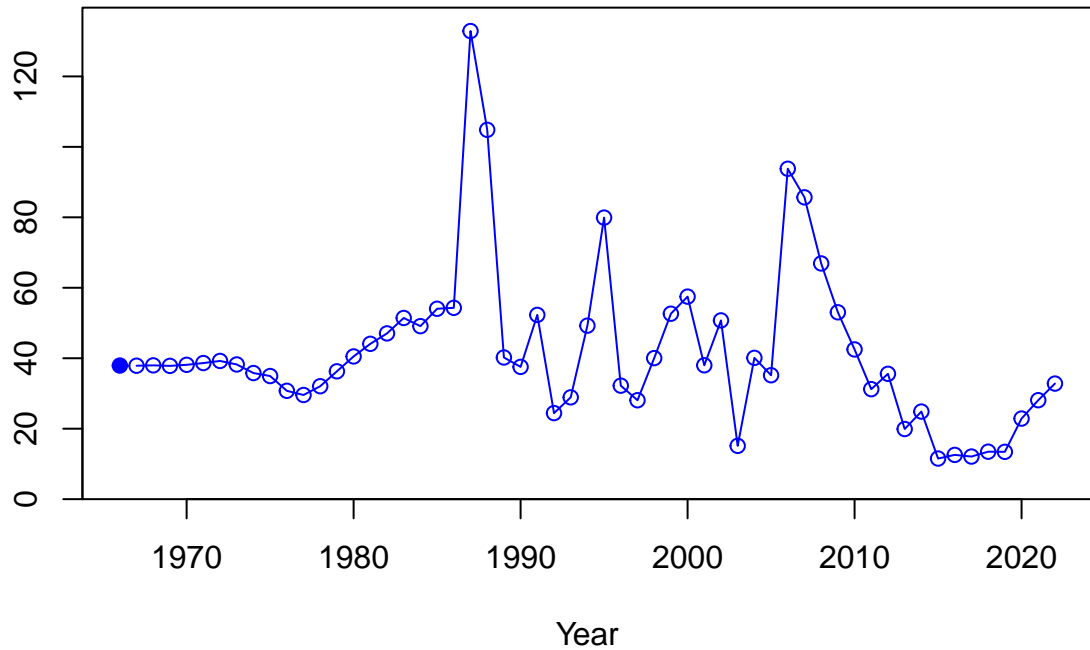




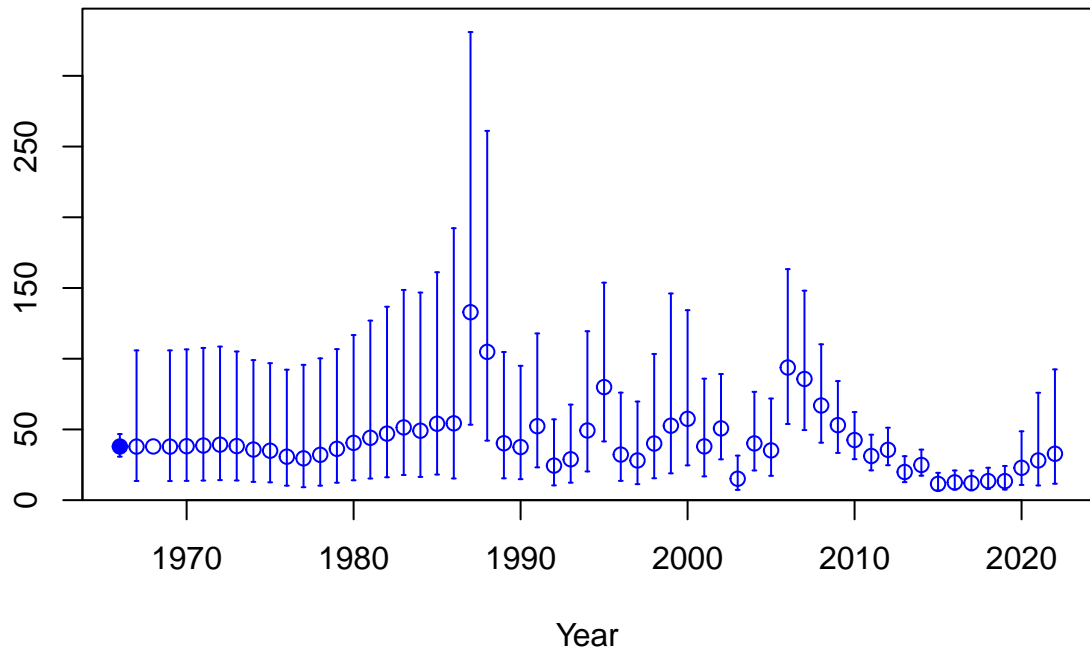
Summary biomass (mt)



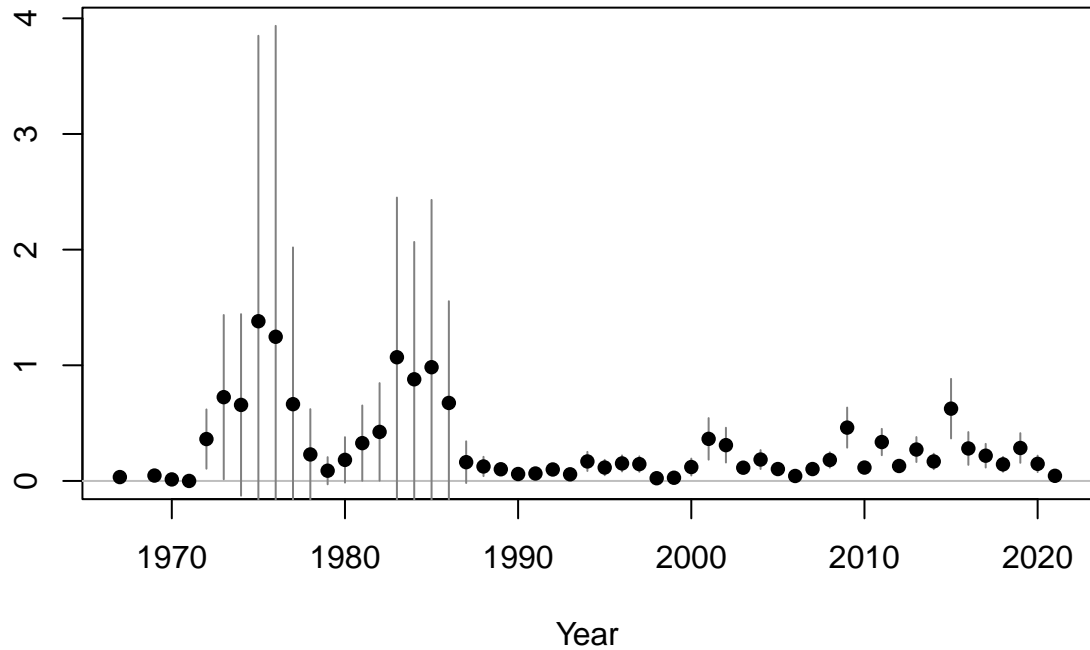
Age-0 recruits (1,000s)



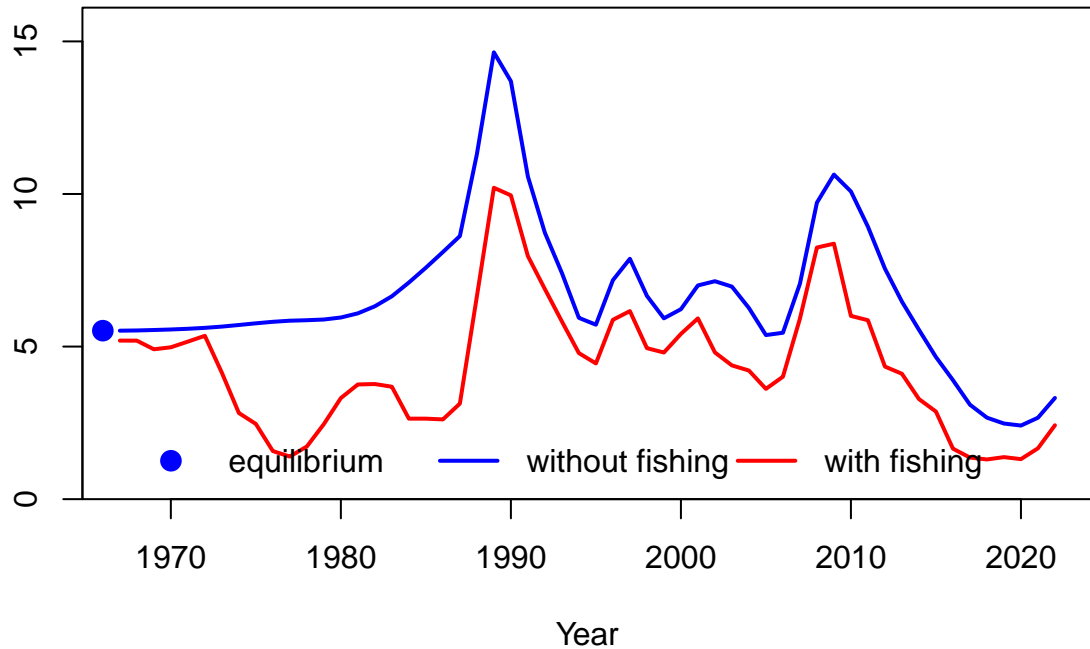
Age-0 recruits (1,000s)



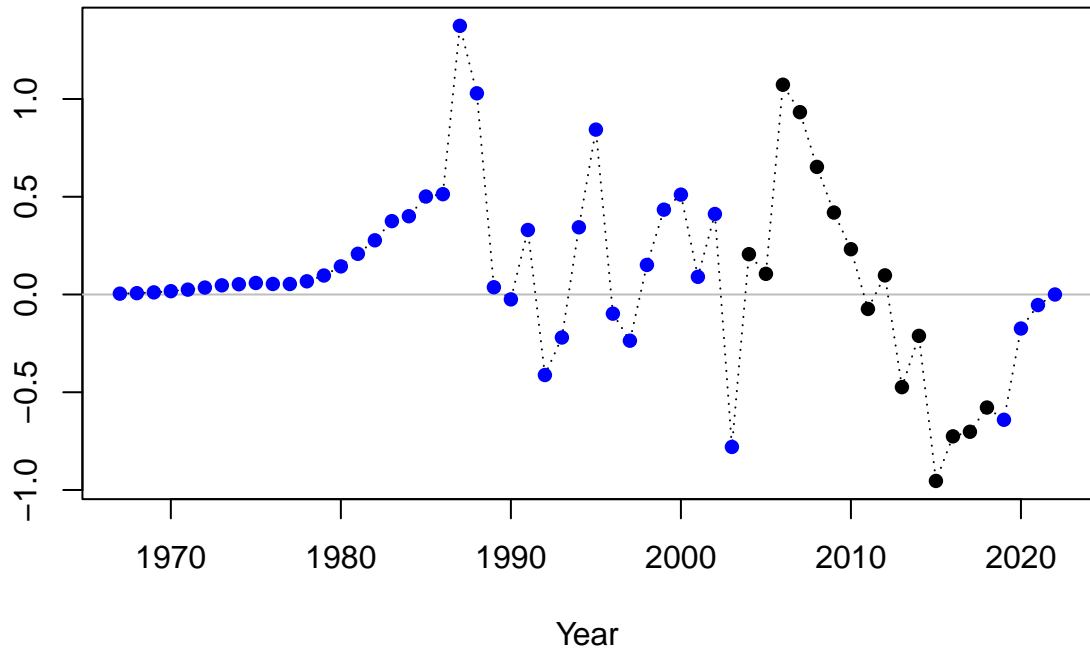
Summary Fishing Mortality



Spawning biomass (mt)



Log recruitment deviation



Log recruitment deviation

2
1
0
-1

1970

1980

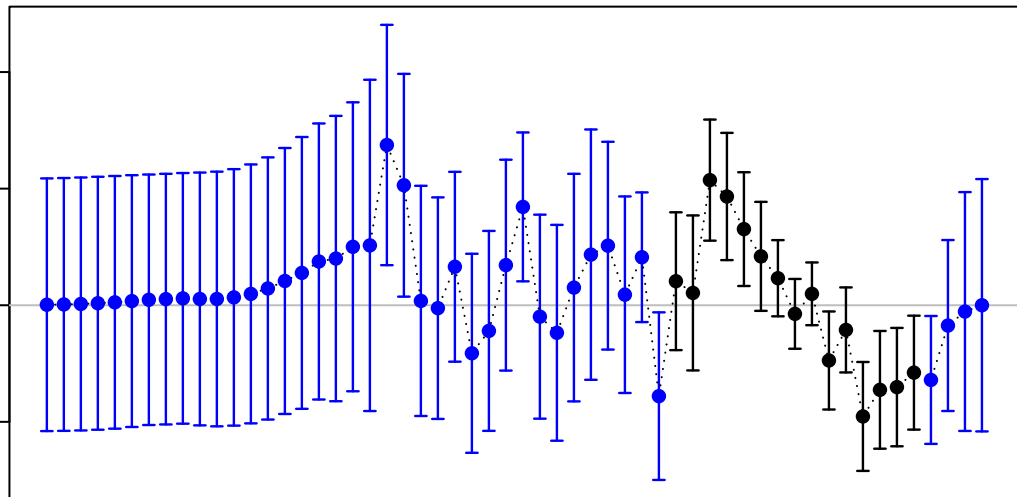
1990

2000

2010

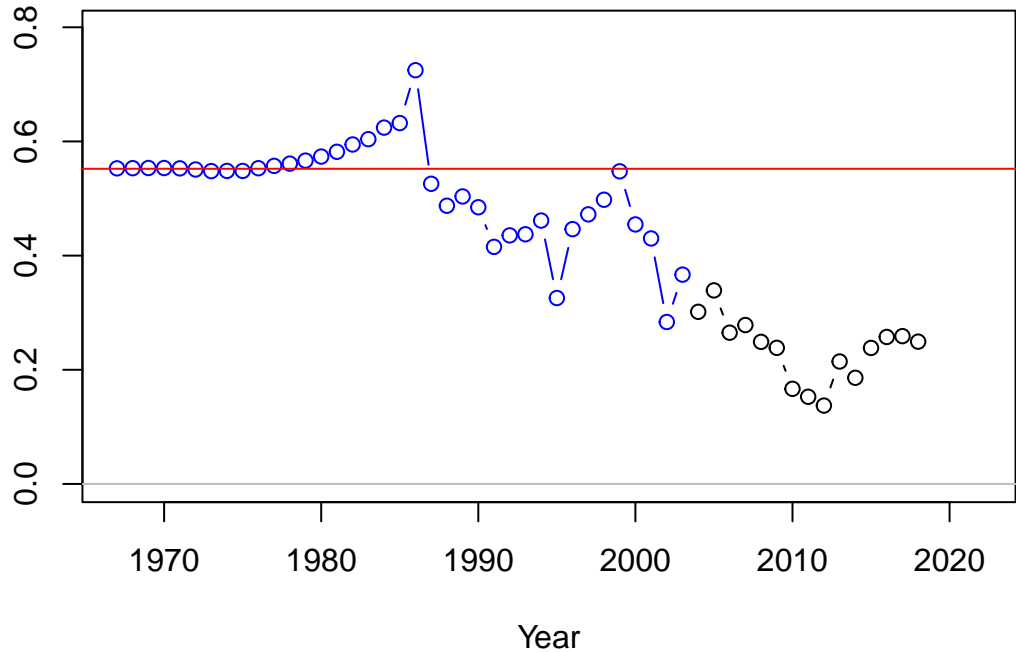
2020

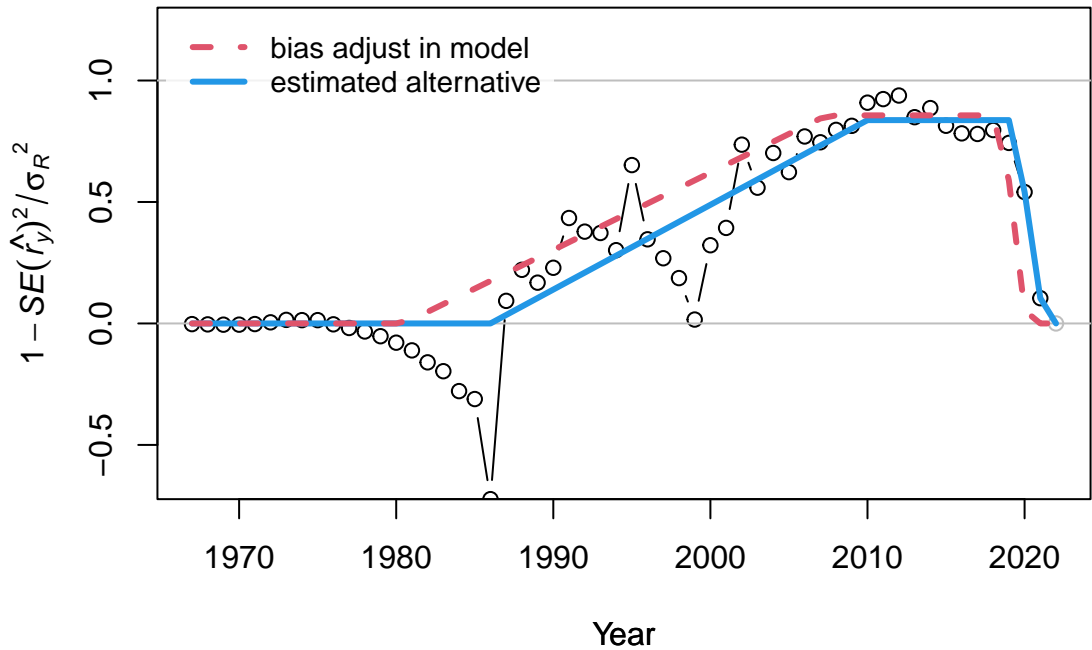
Year

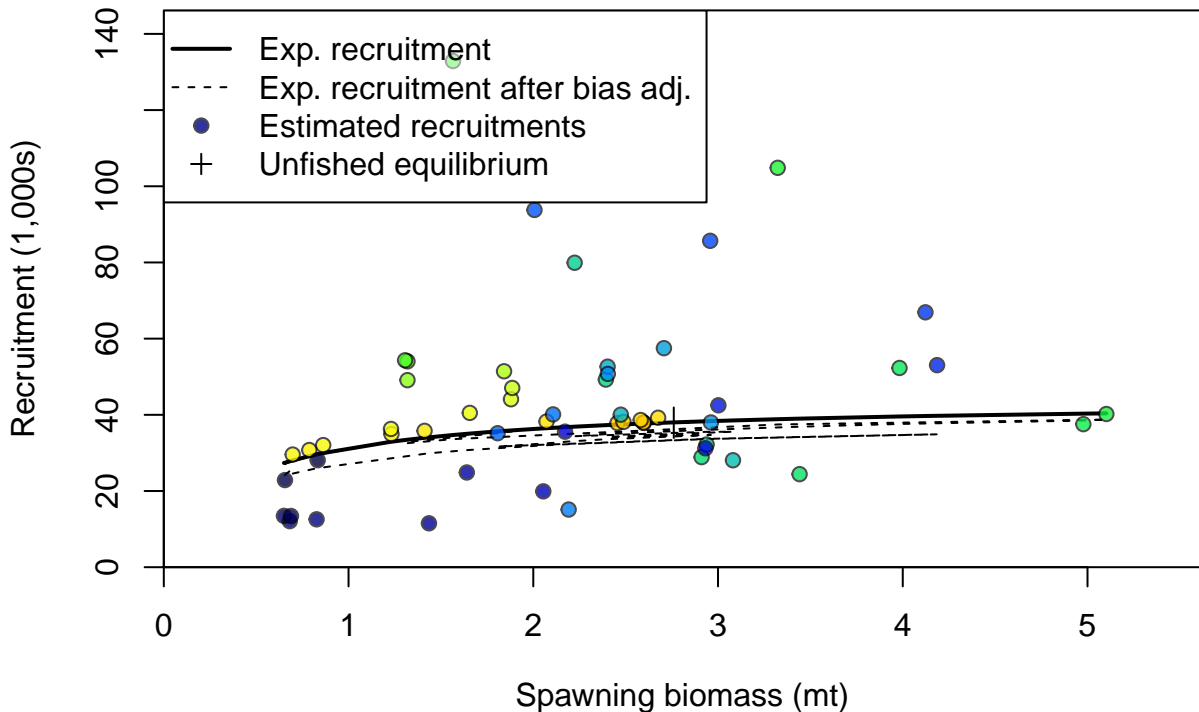


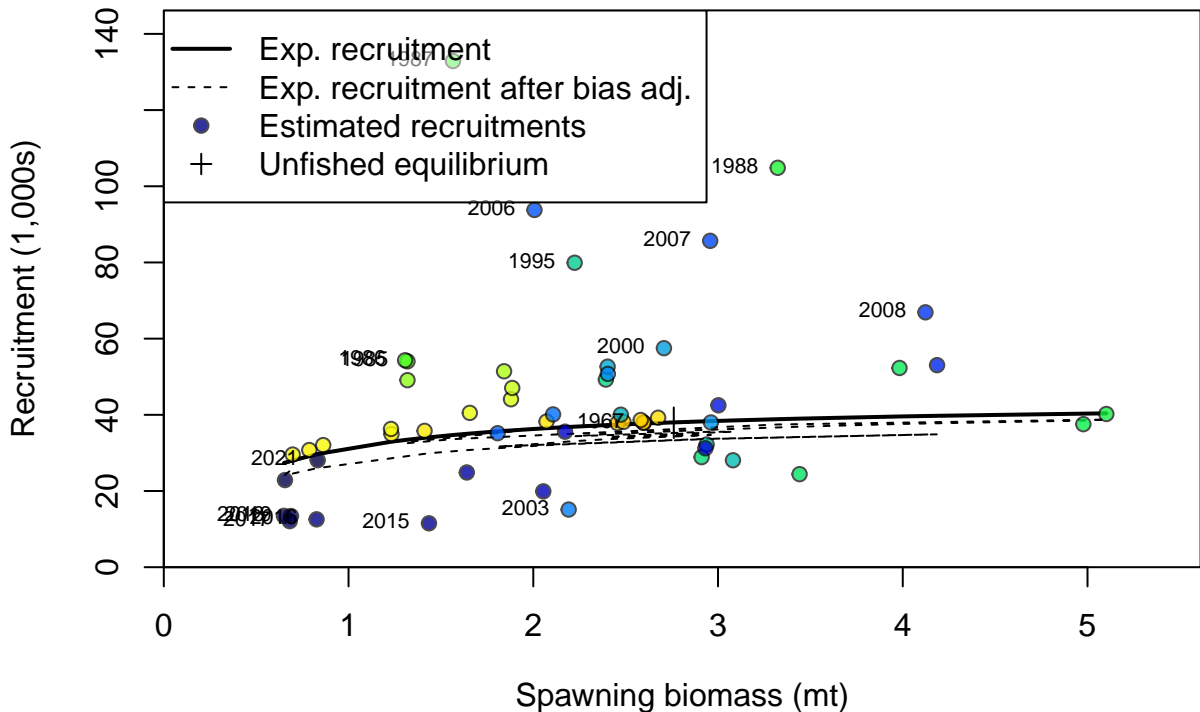
Recruitment deviation variance

Asymptotic standard error estimate

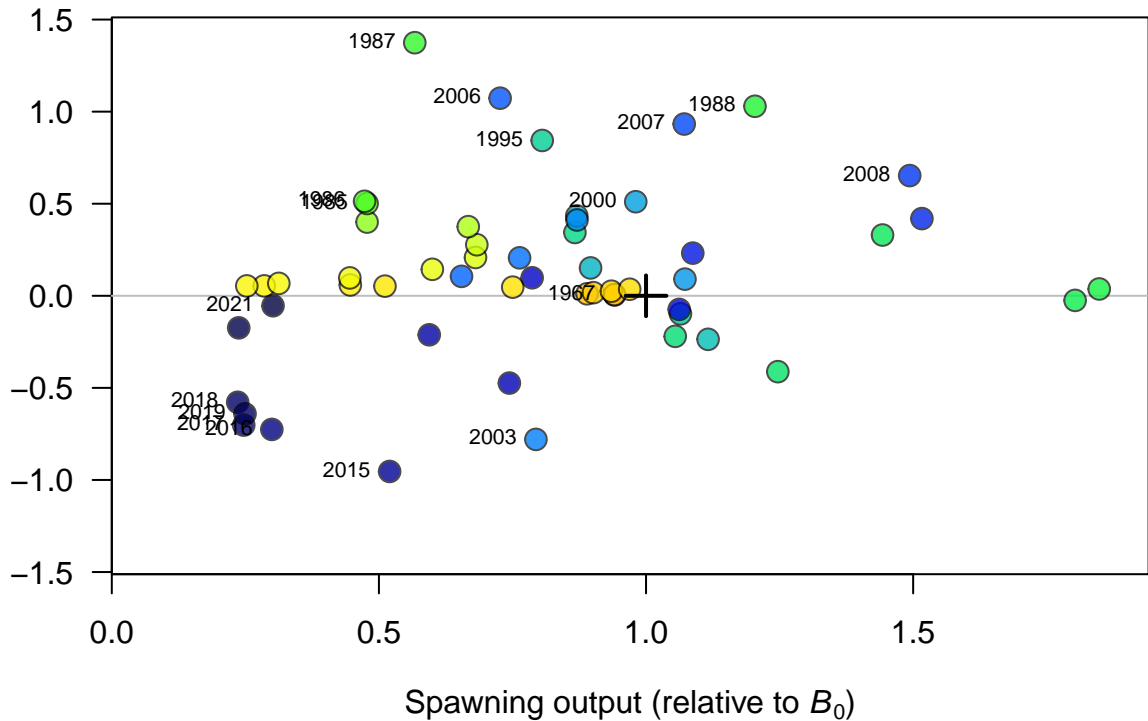


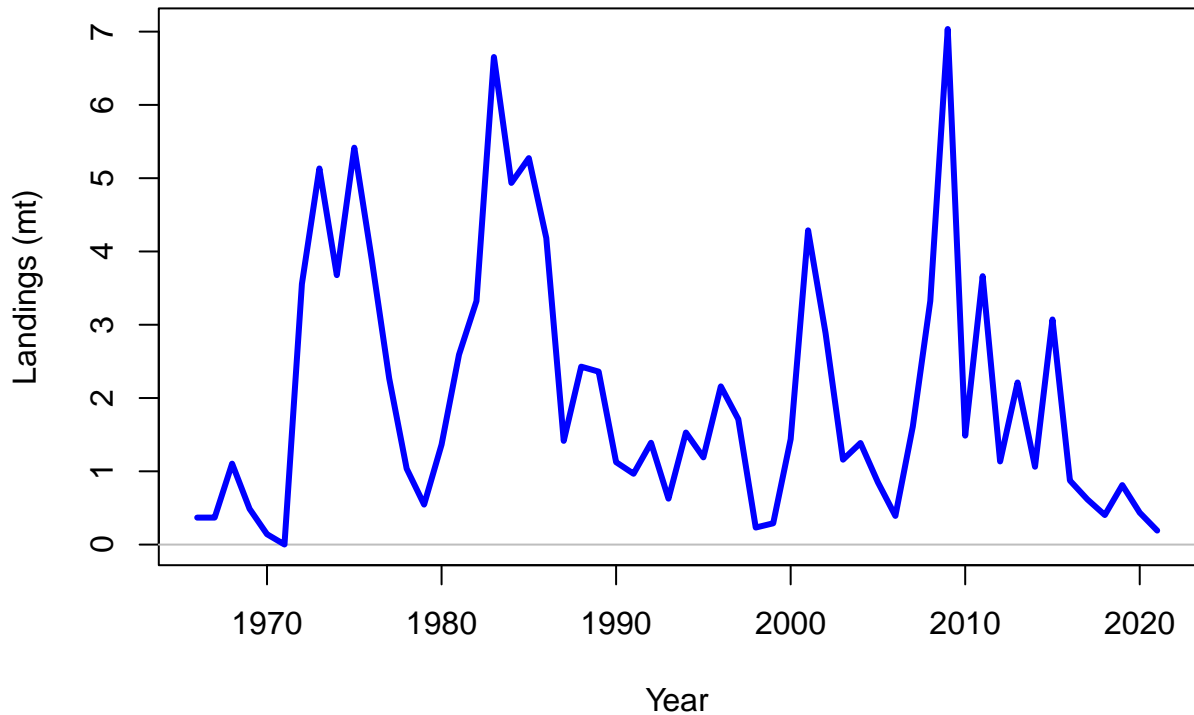


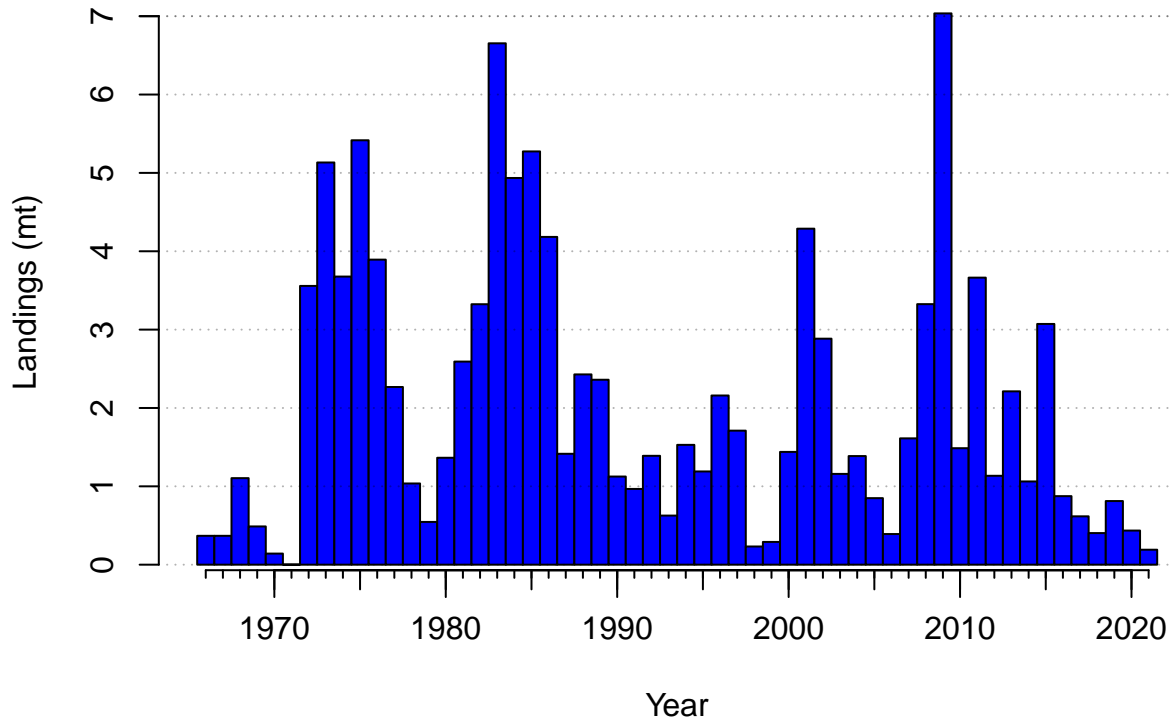




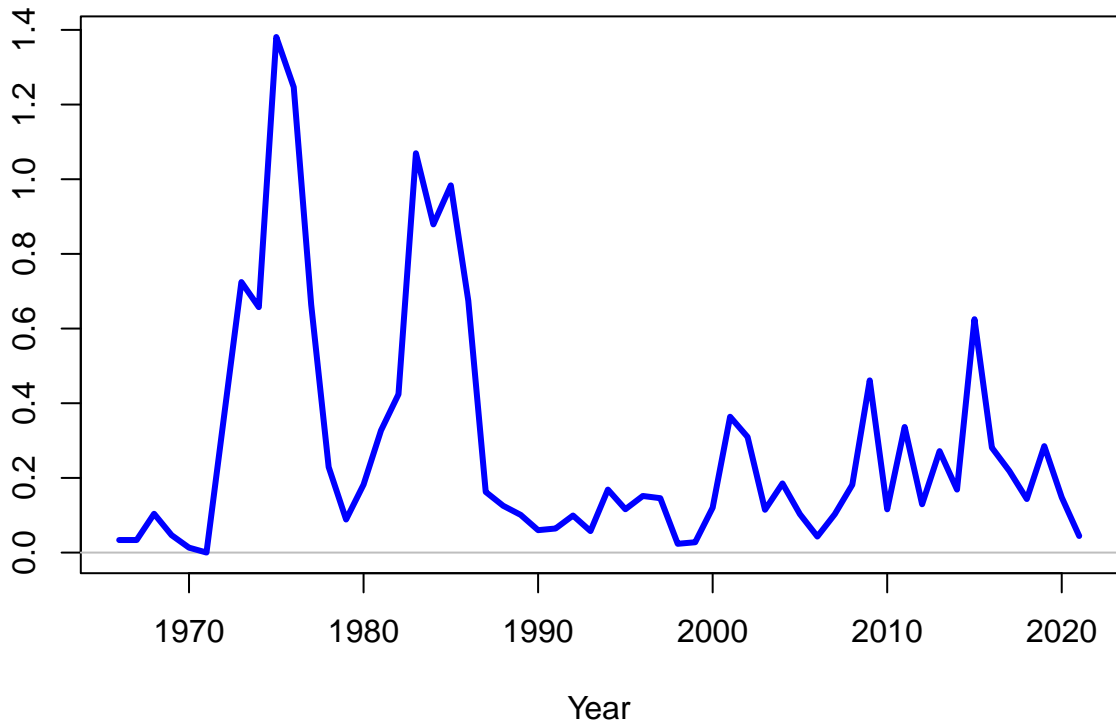
Log recruitment deviation



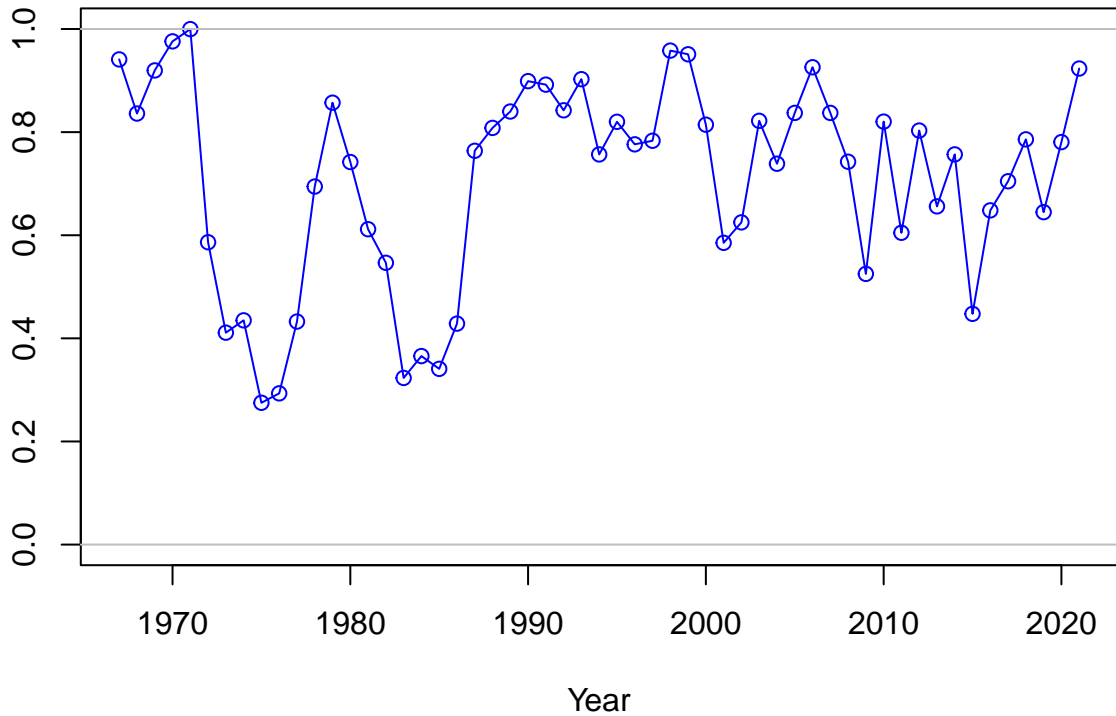




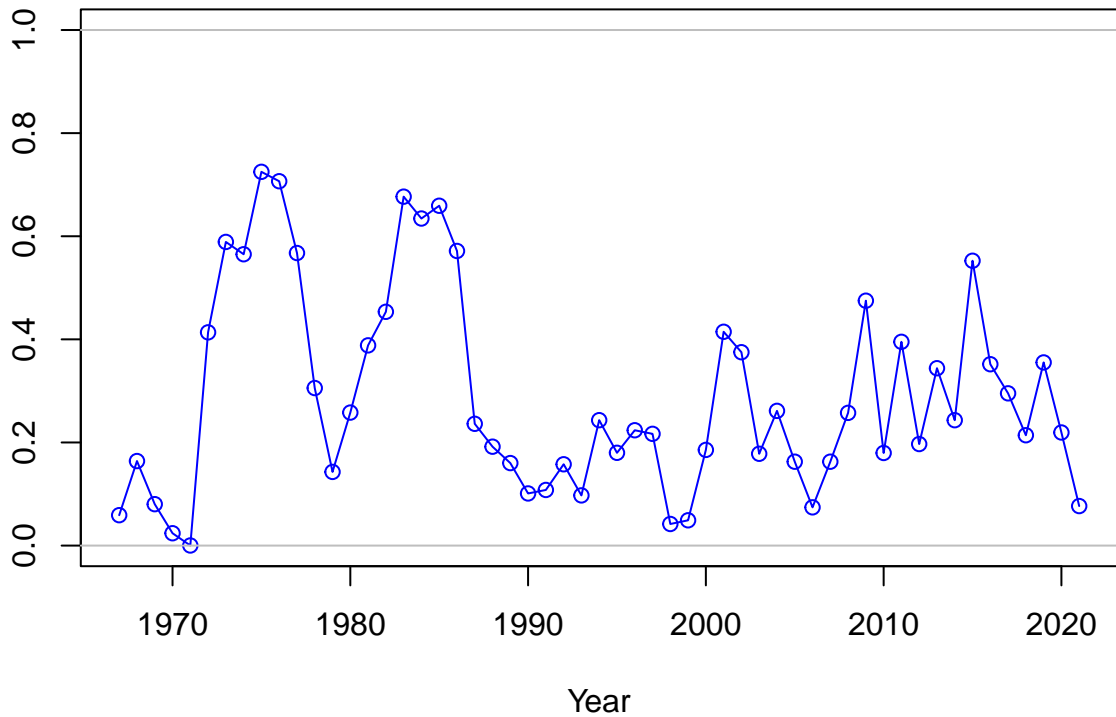
Continuous F



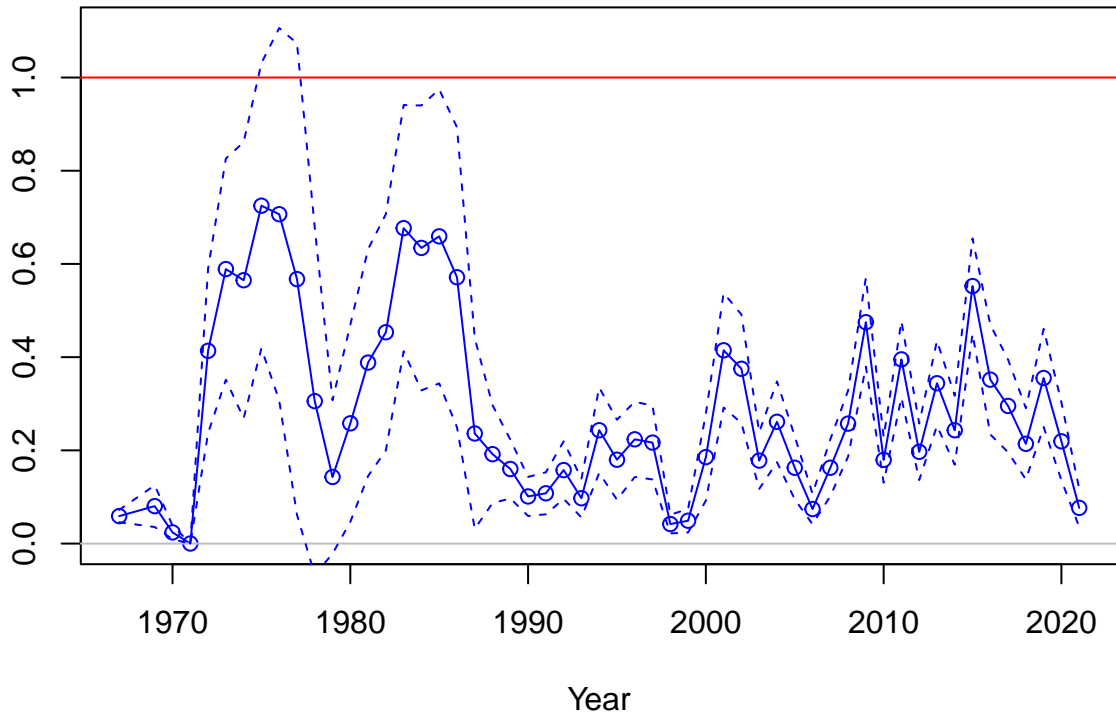
SPR



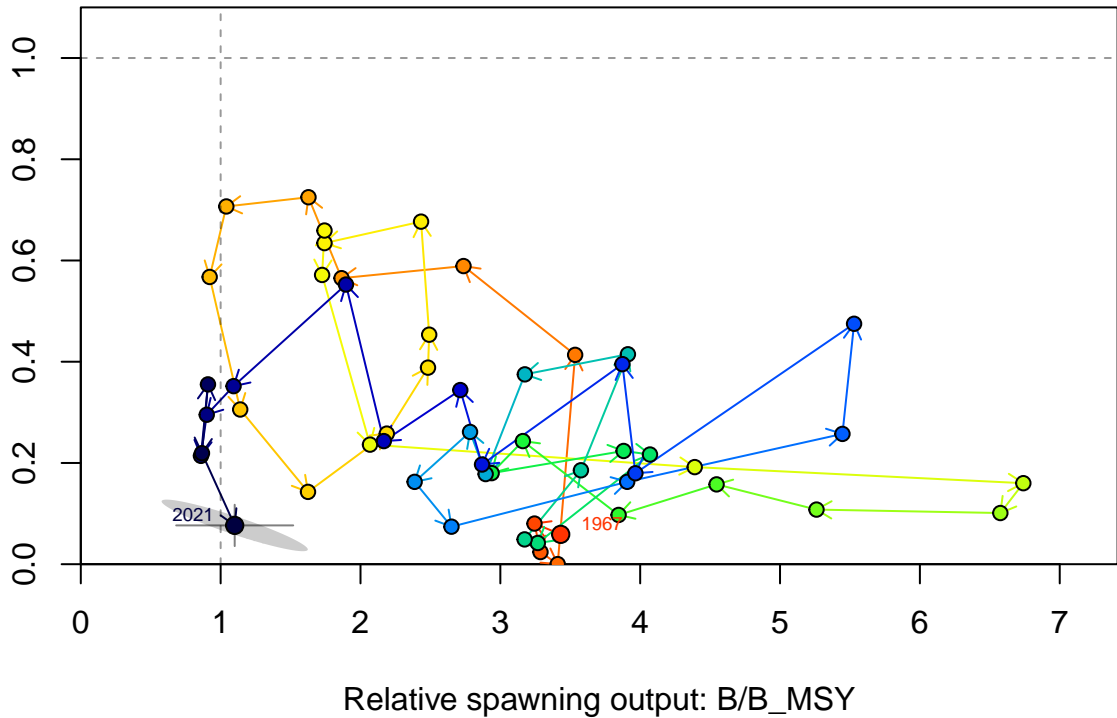
1-SPR



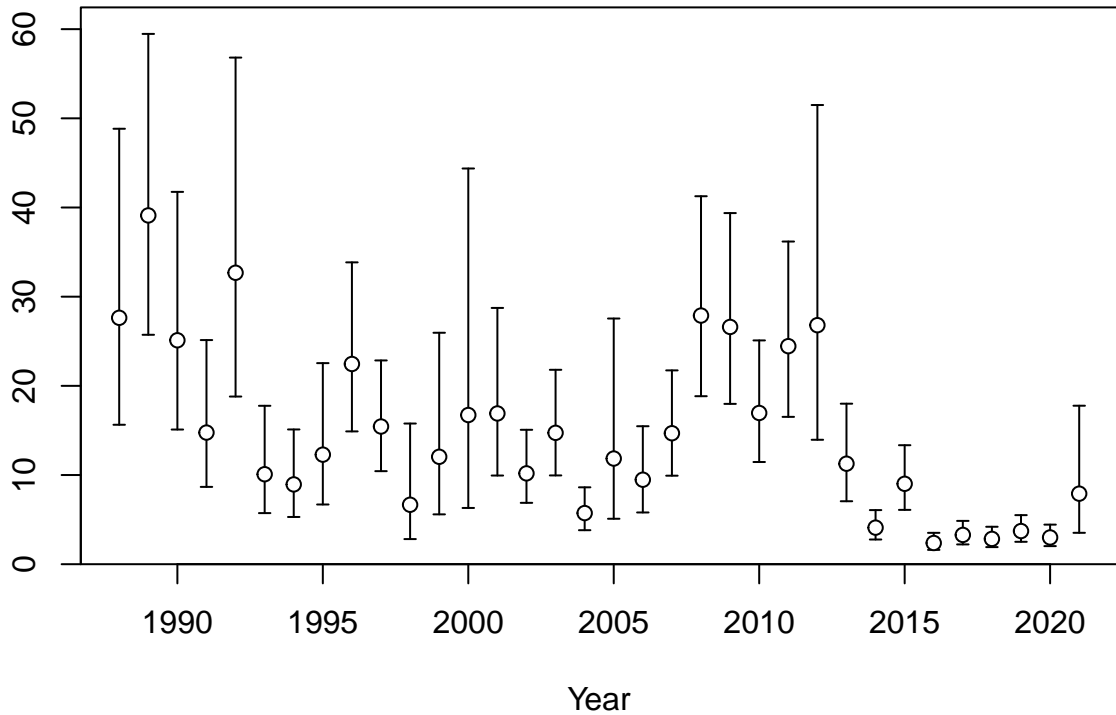
Fishing intensity: 1-SPR

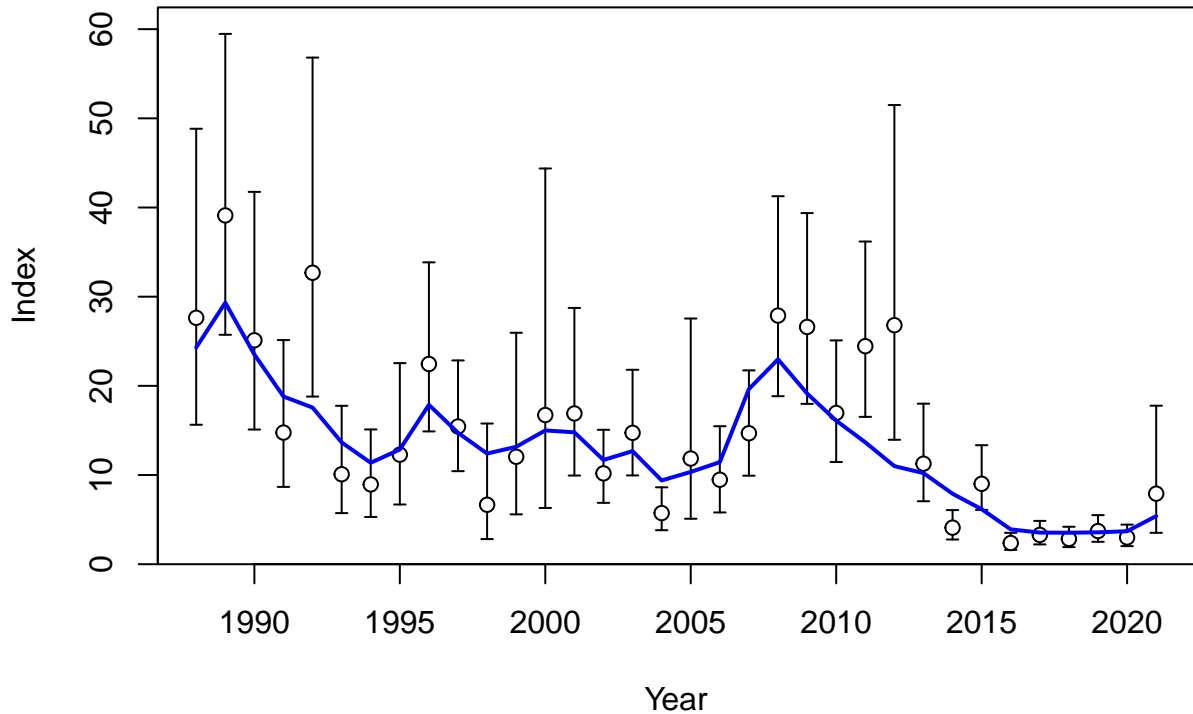


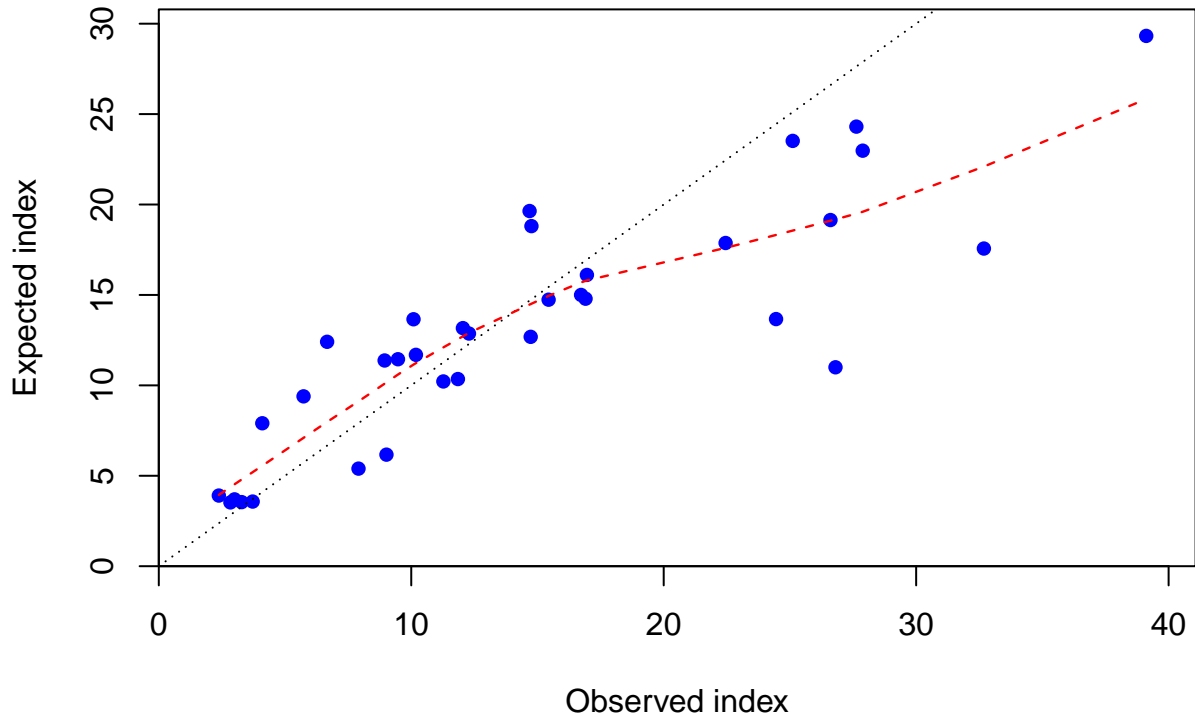
Fishing intensity: 1-SPR



Index







Log index

4
3
2
1

1990

1995

2000

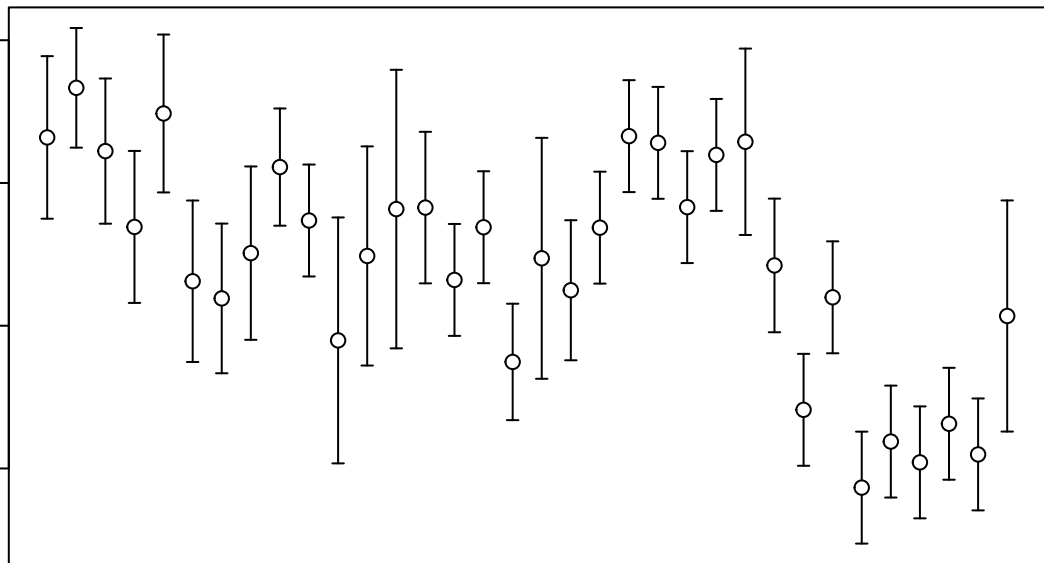
2005

2010

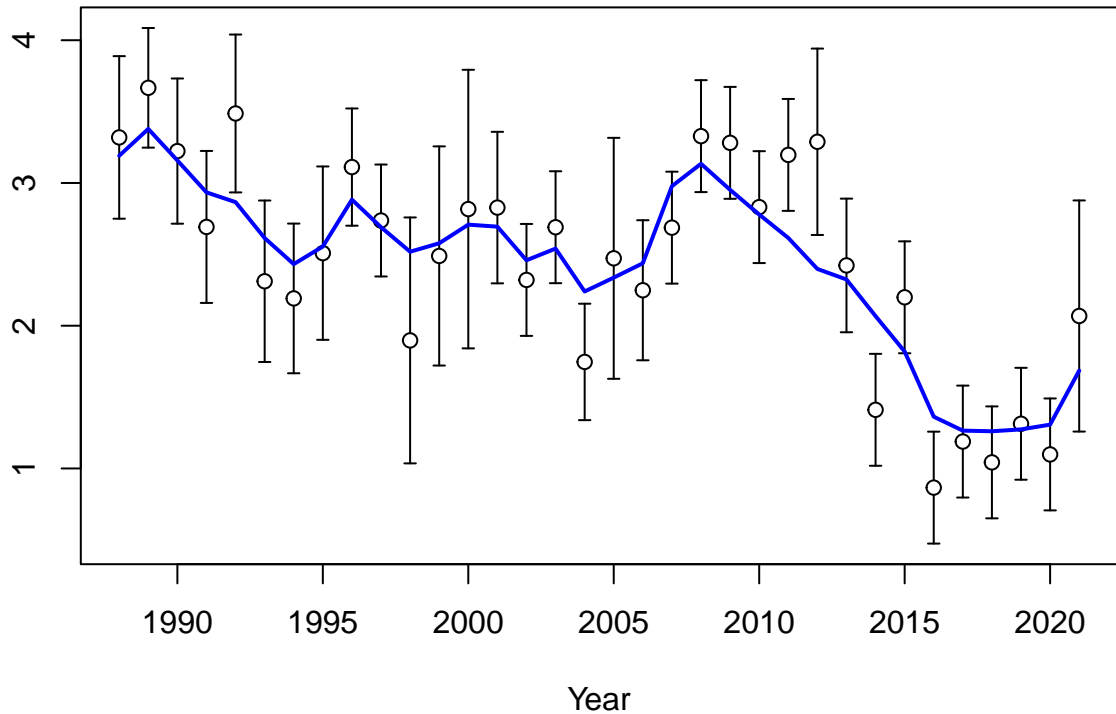
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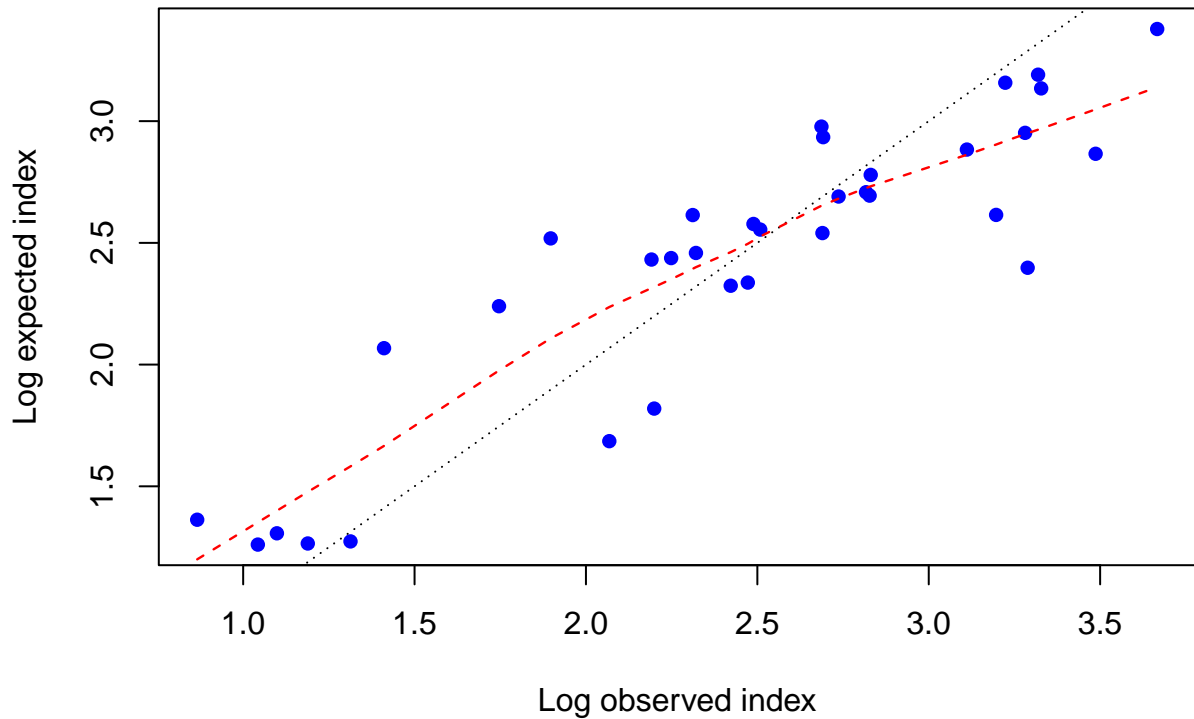
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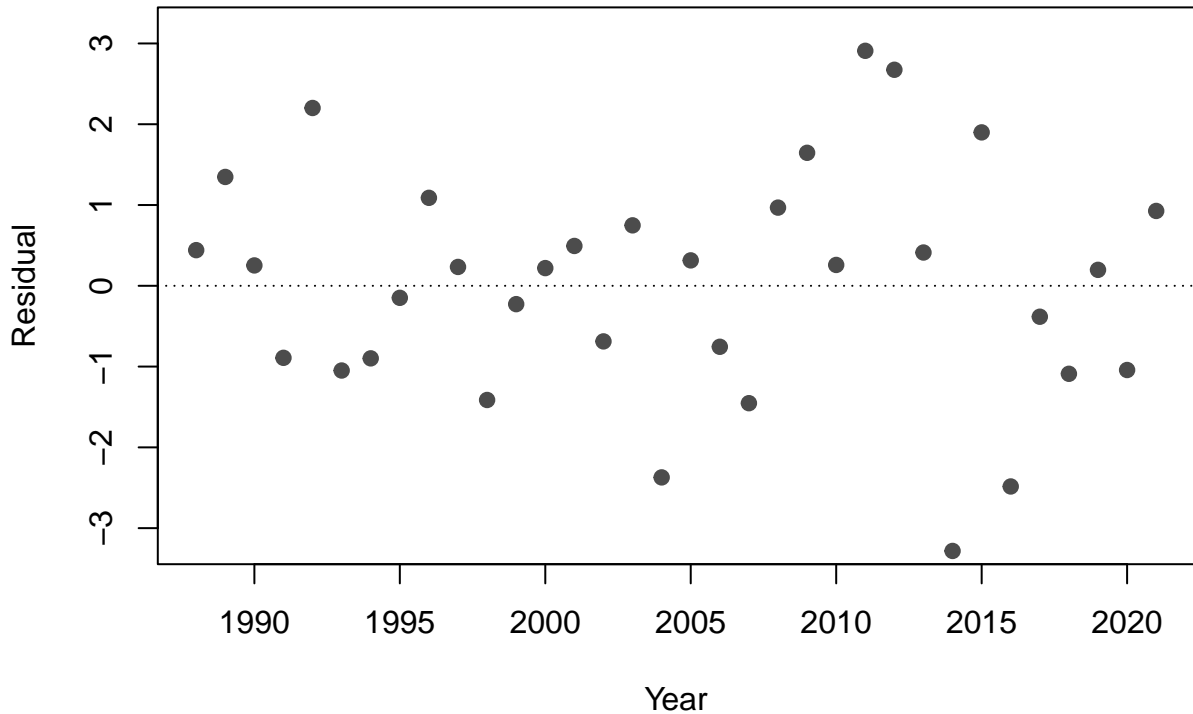
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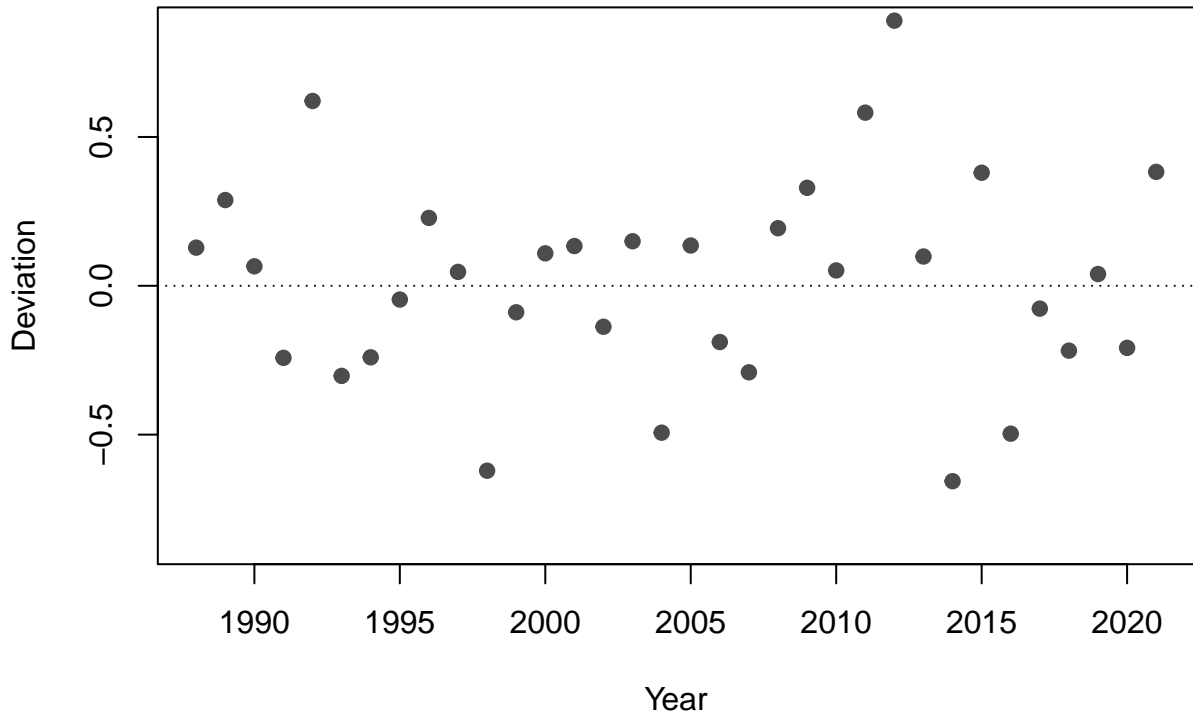


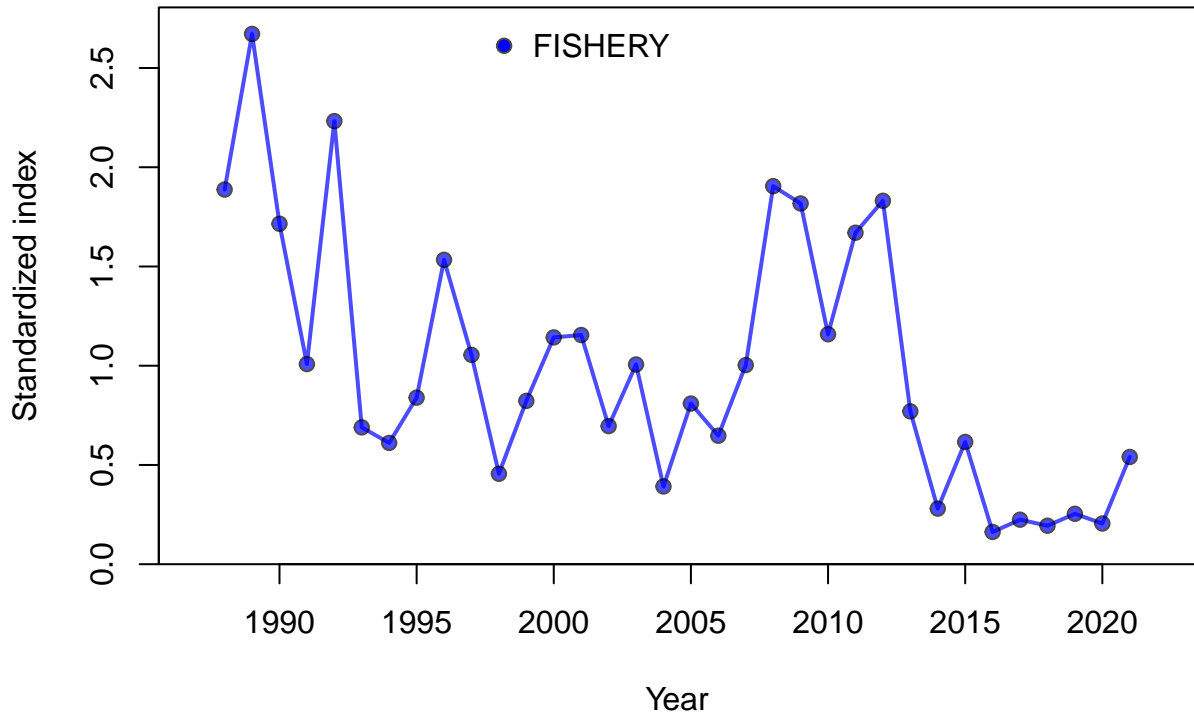
Log index

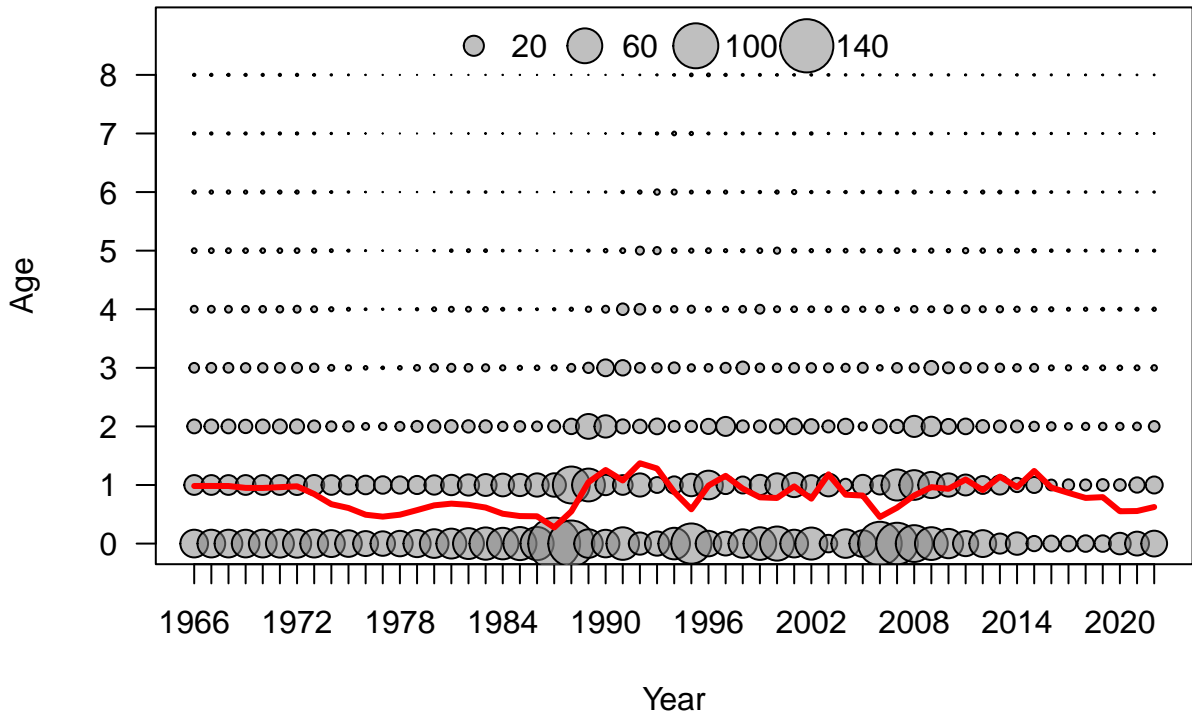




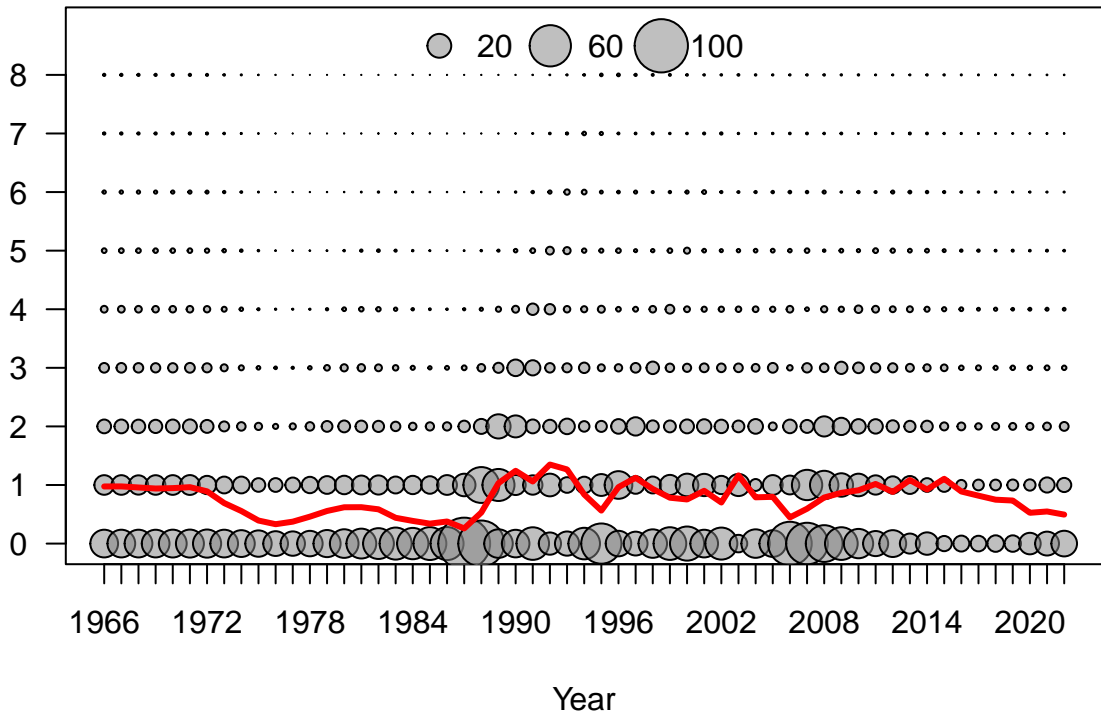


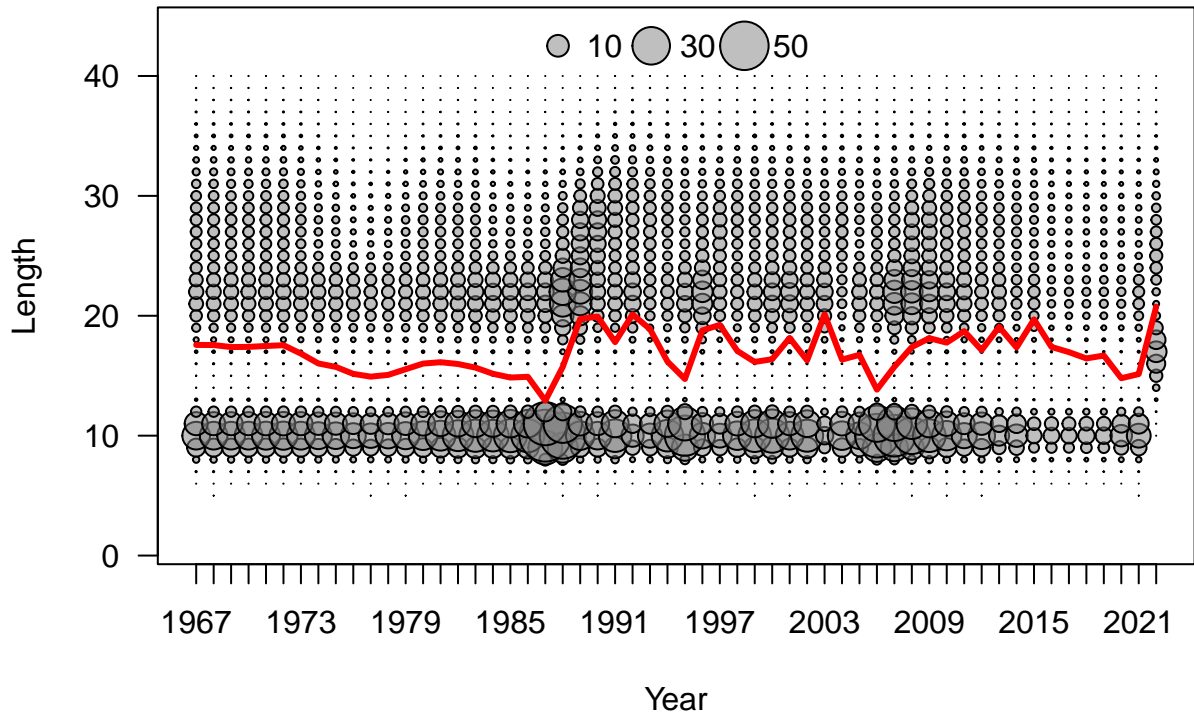


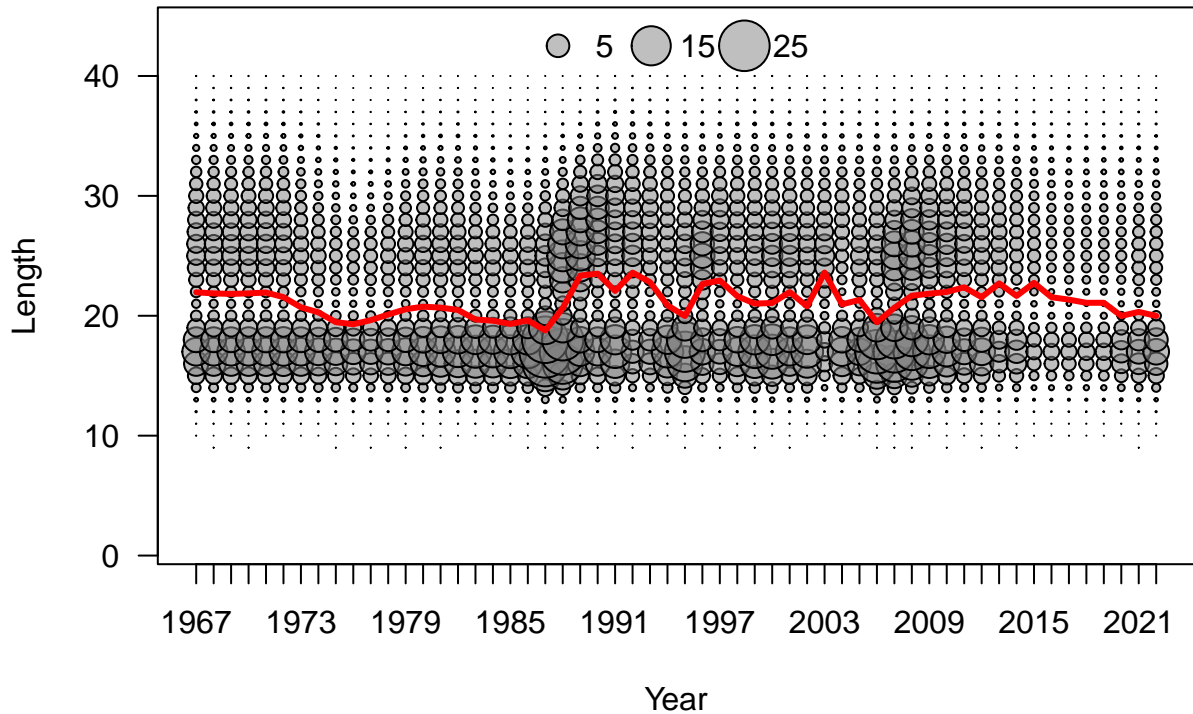


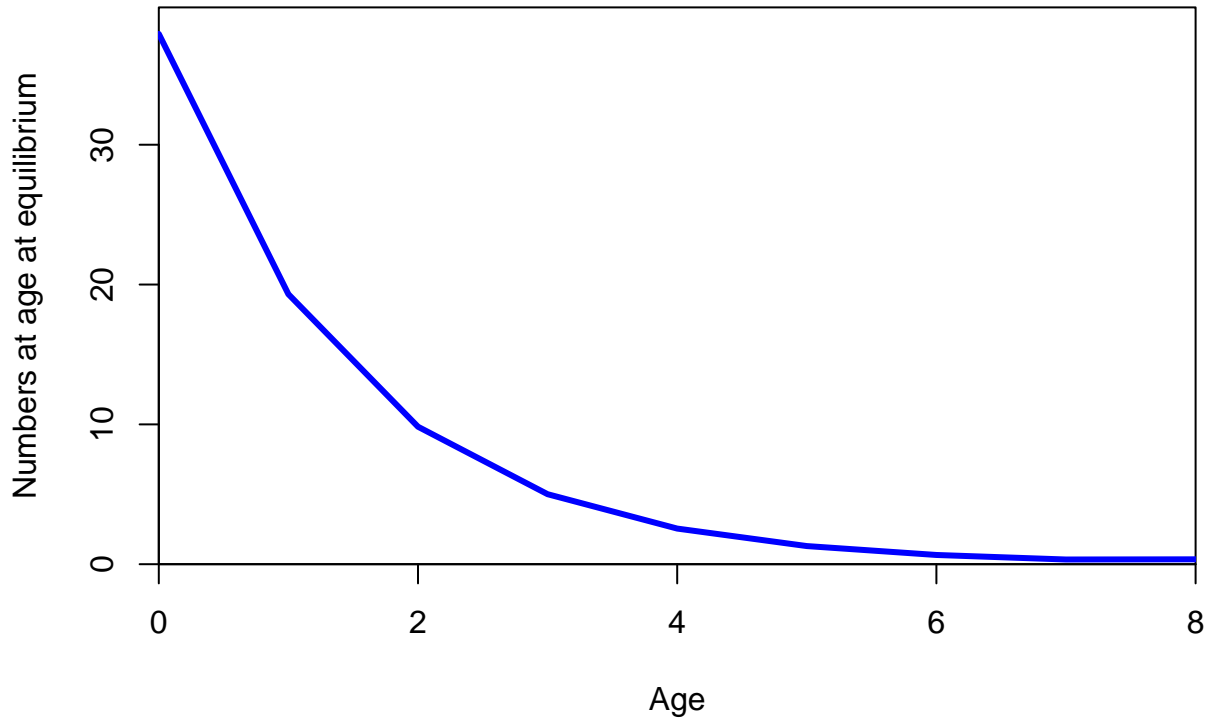


Age



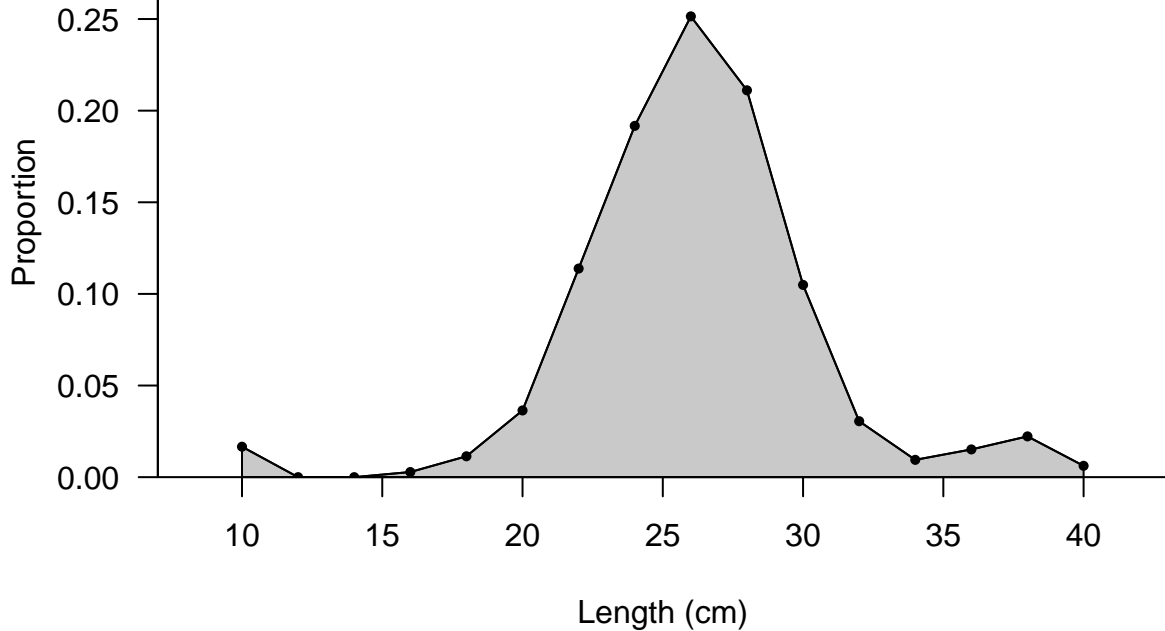


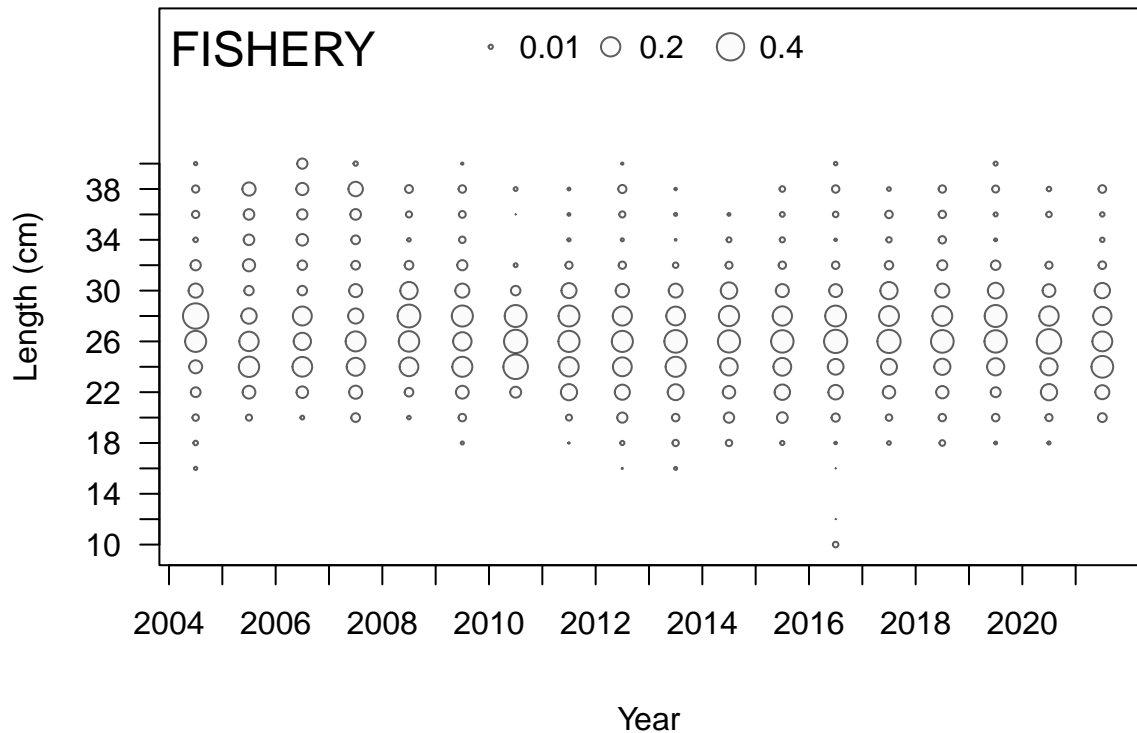


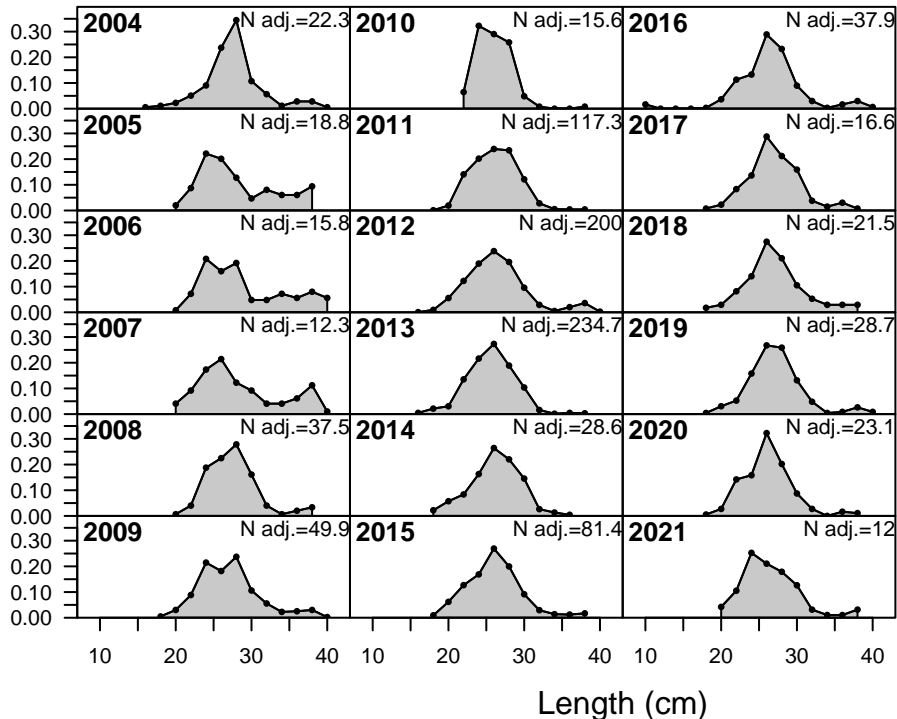


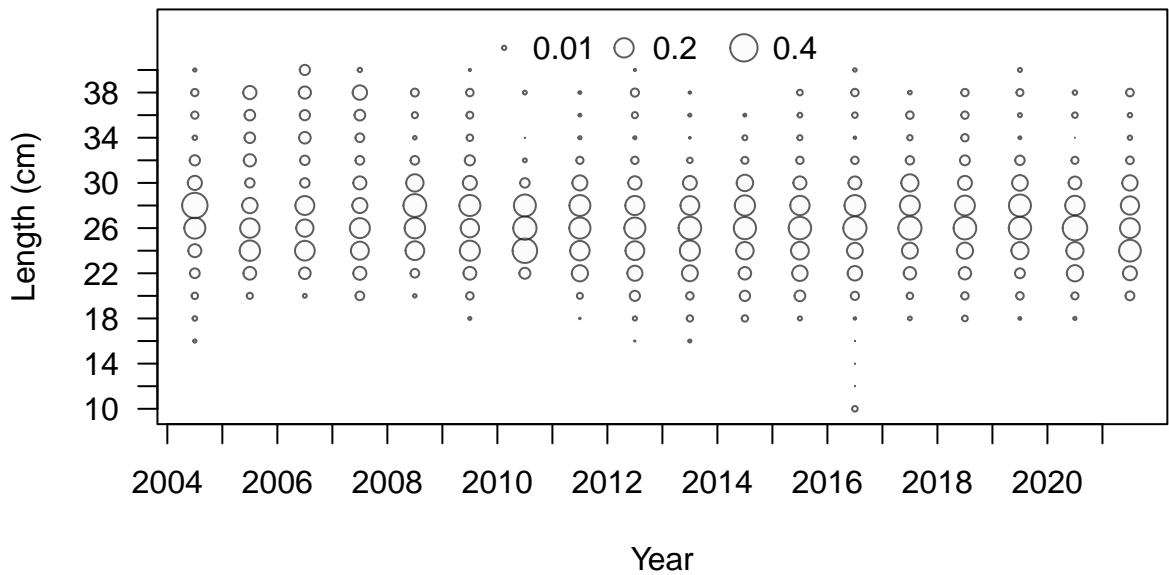
FISHERY

Sum of N adj.=974.1

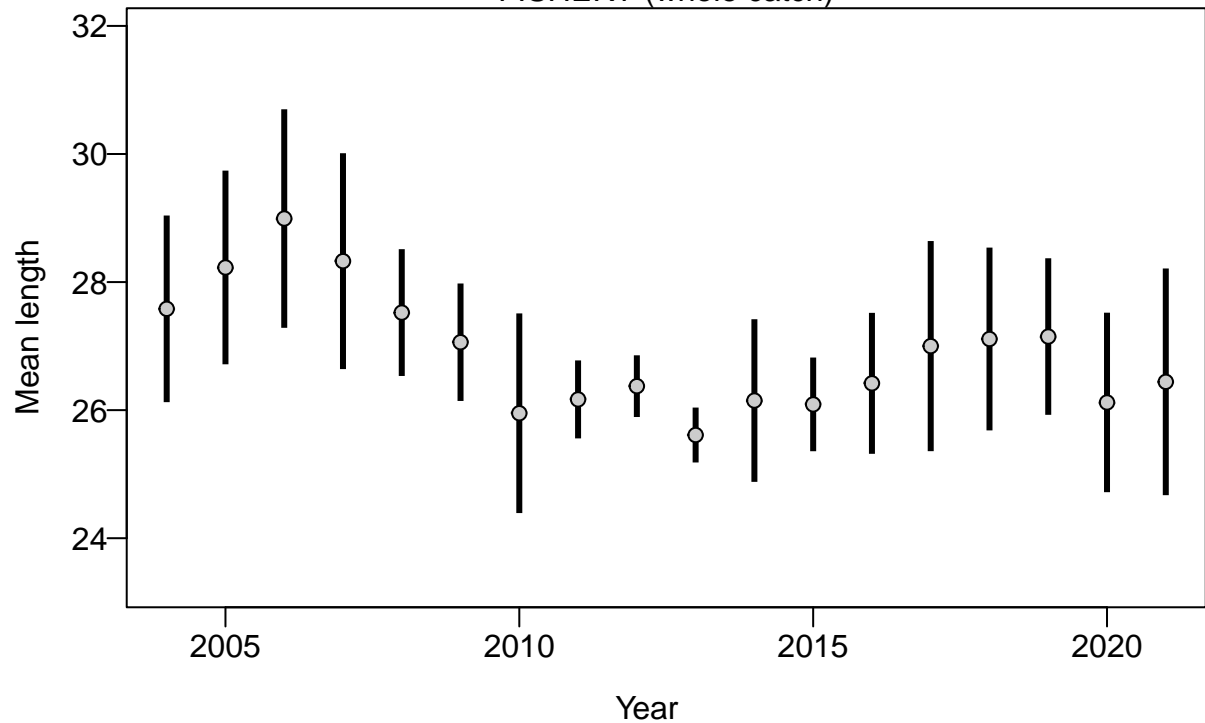


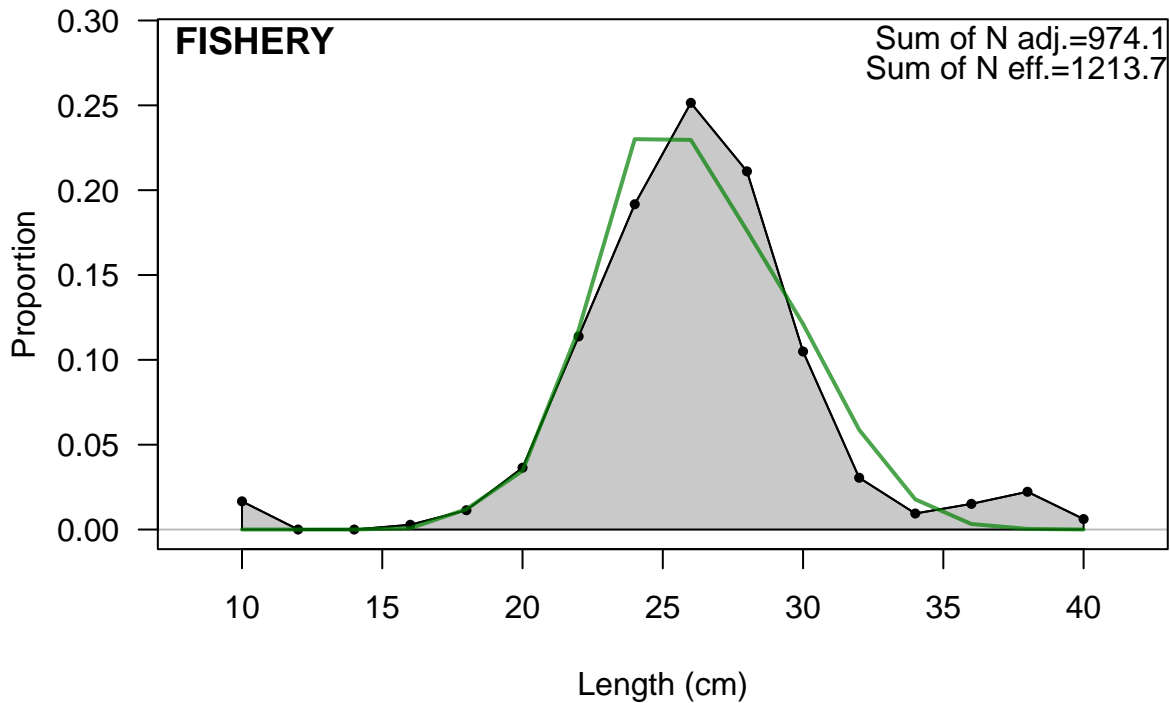


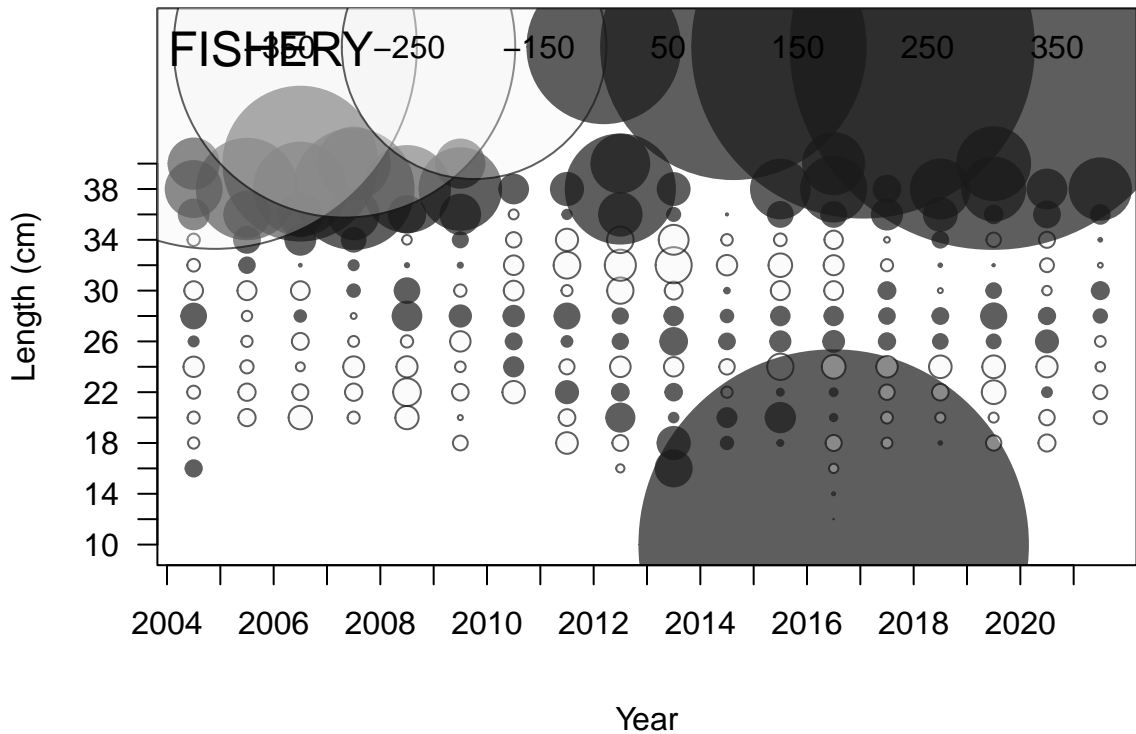


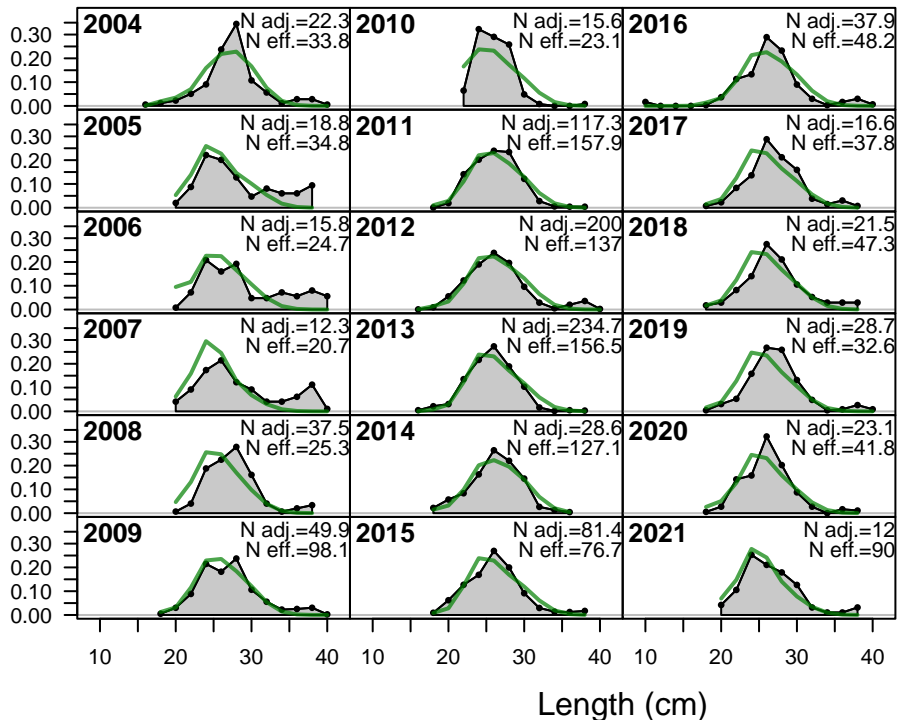


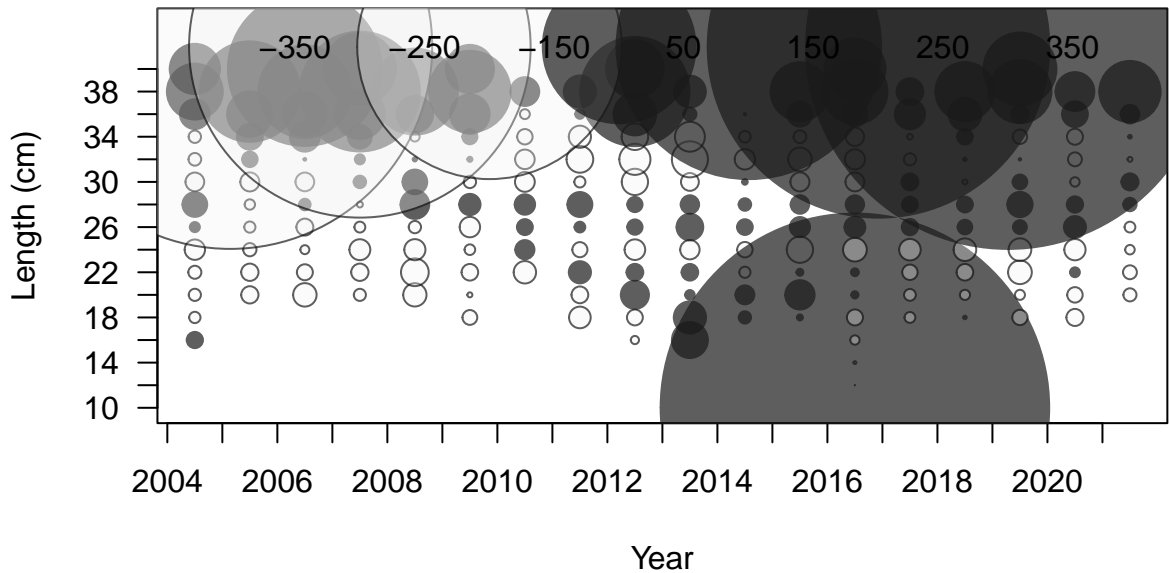
FISHERY (whole catch)



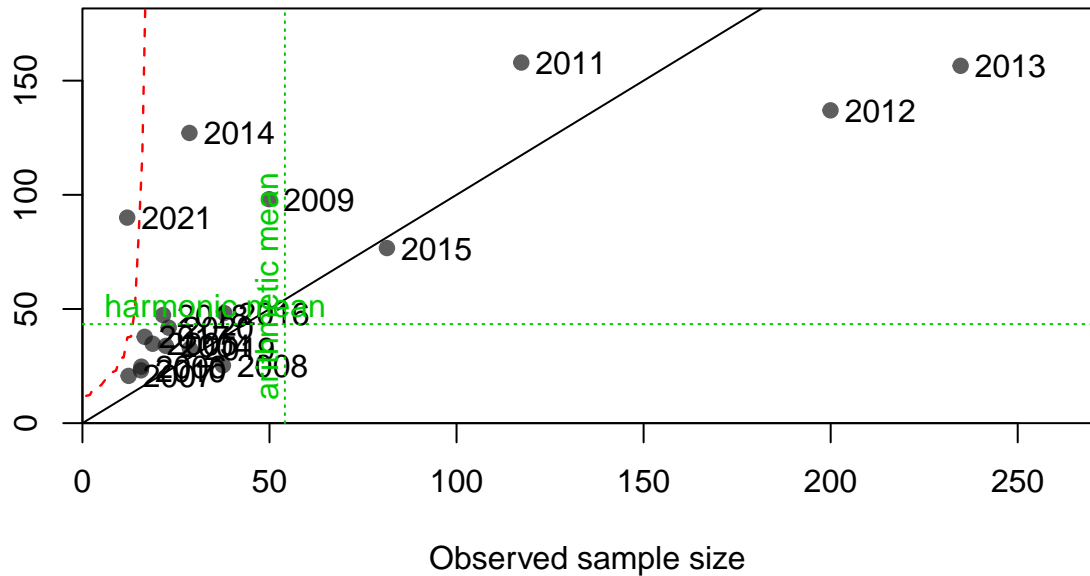




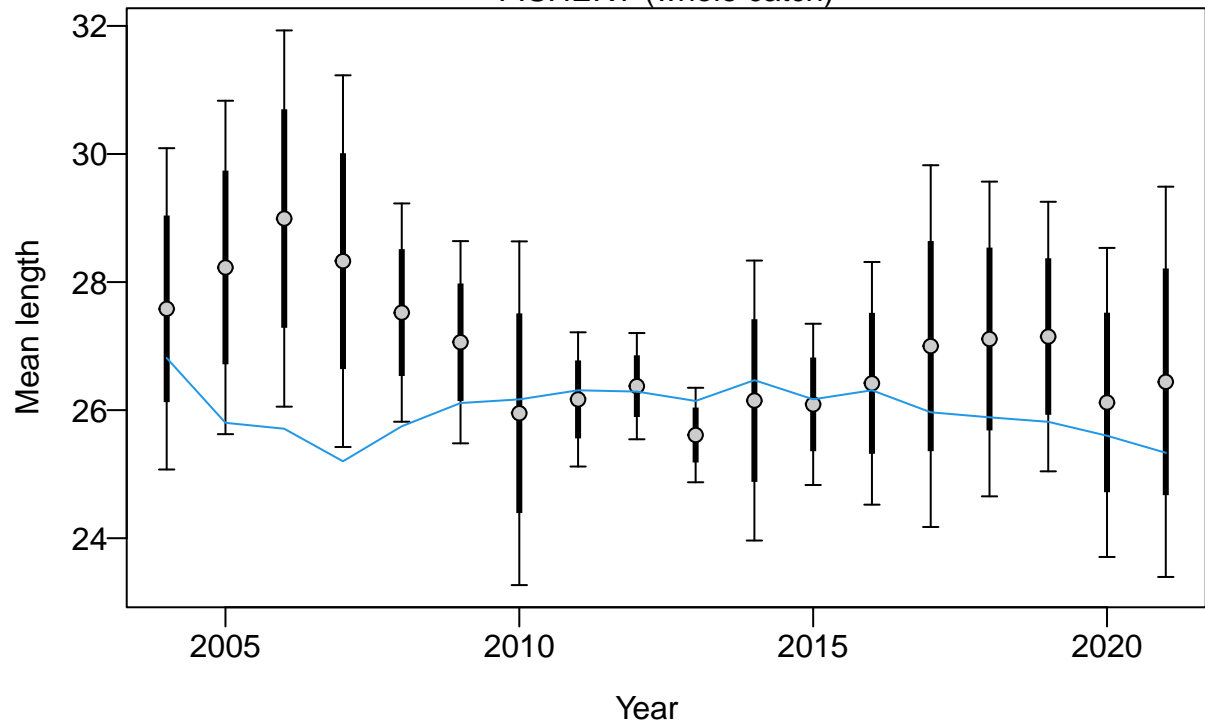


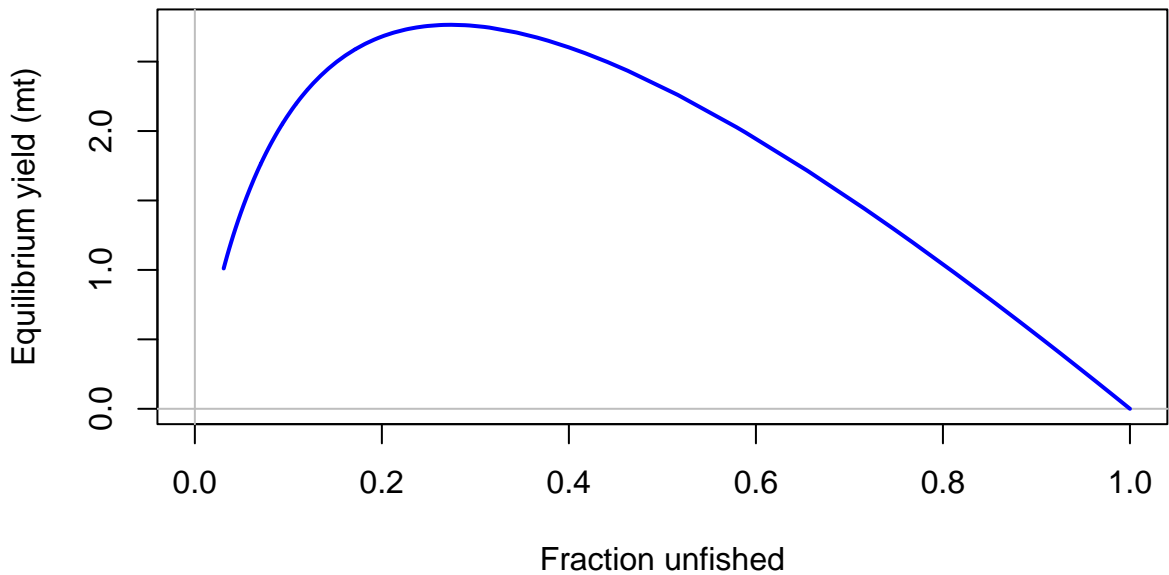


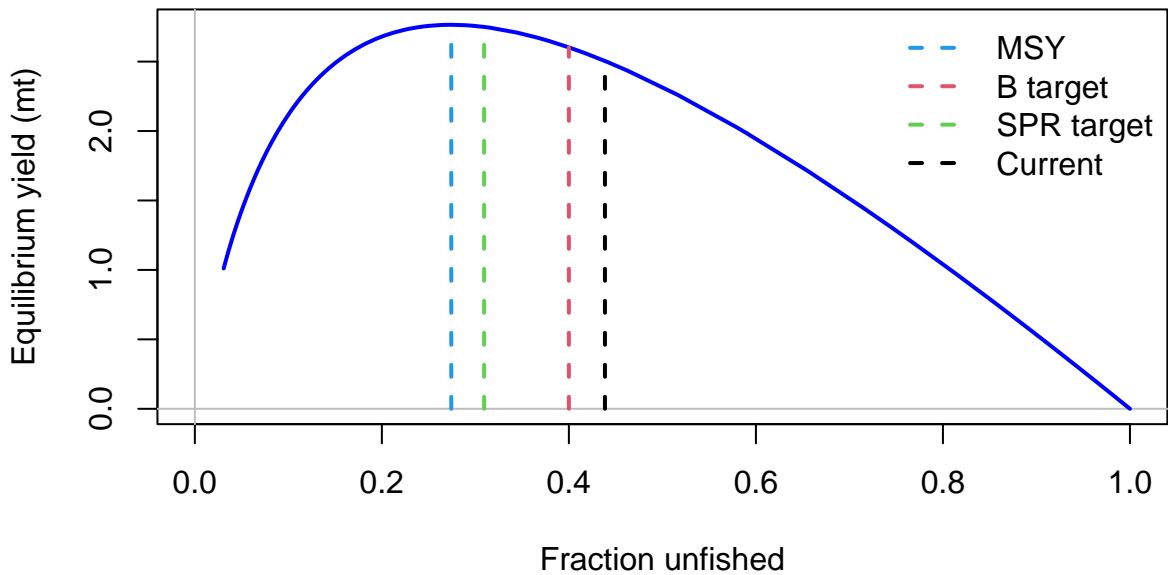
Effective sample size

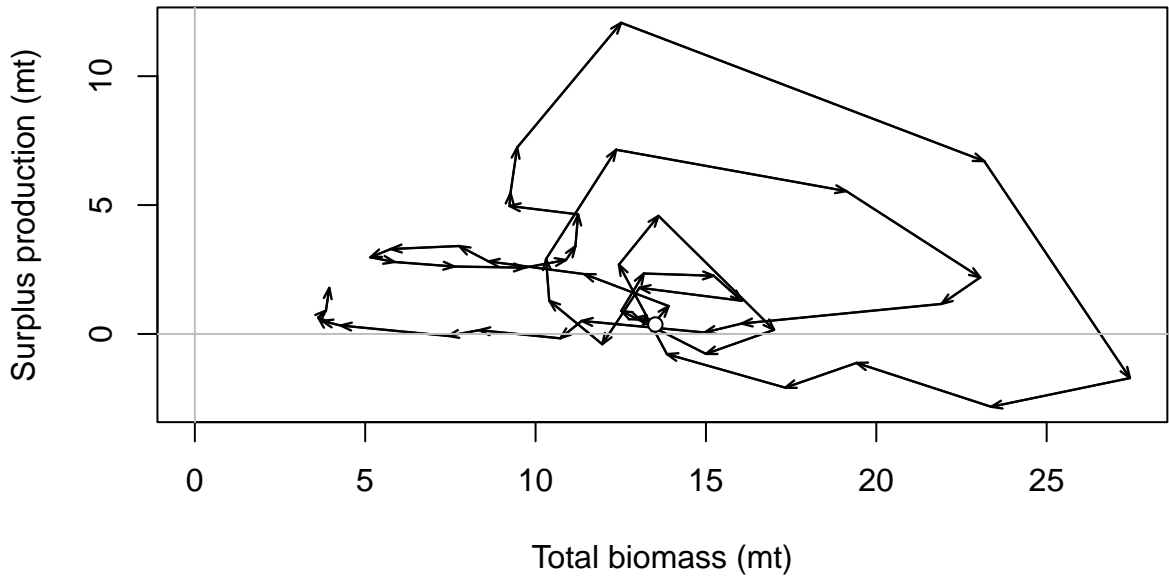


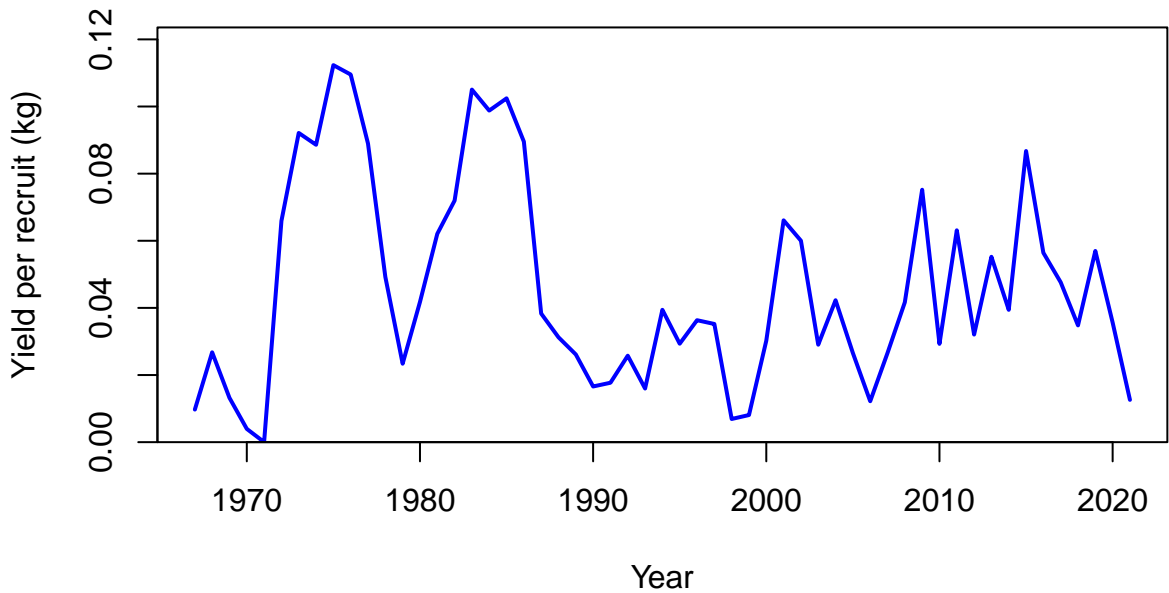
FISHERY (whole catch)

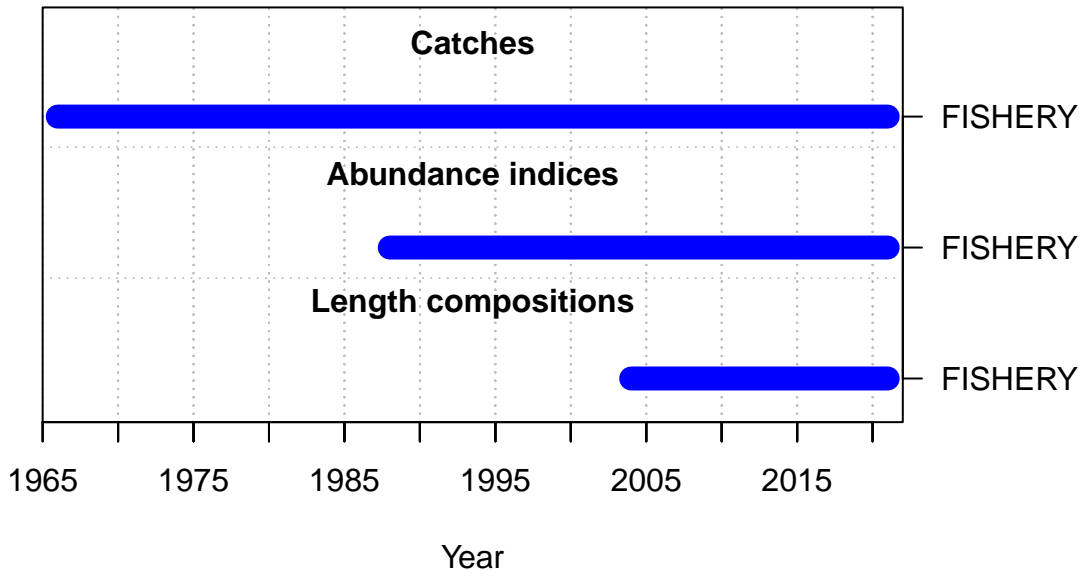


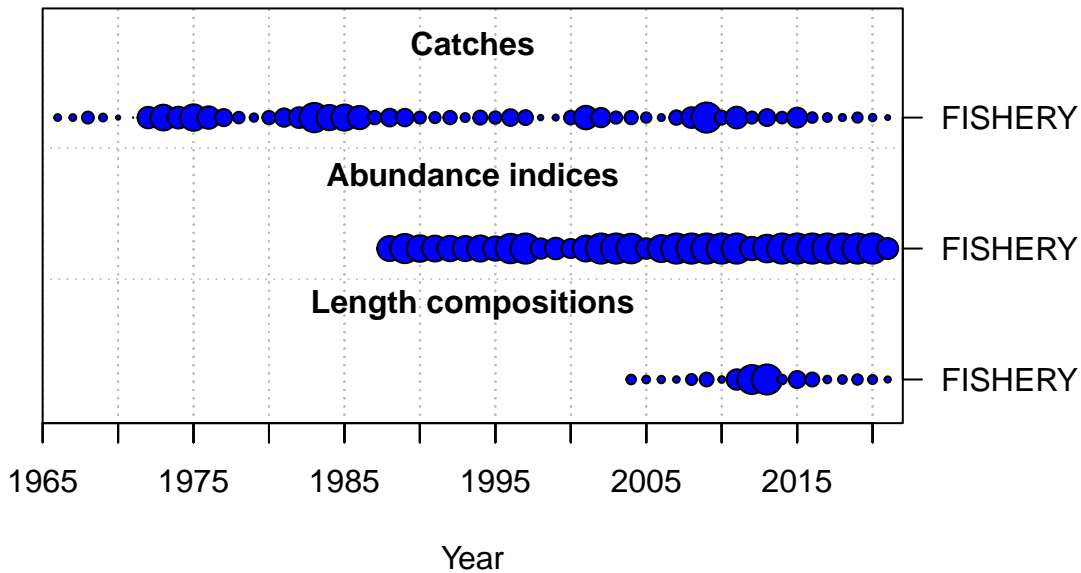




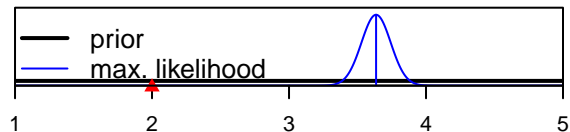




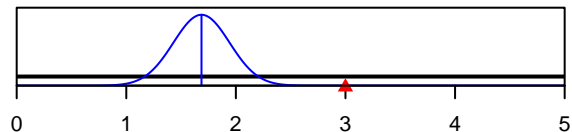




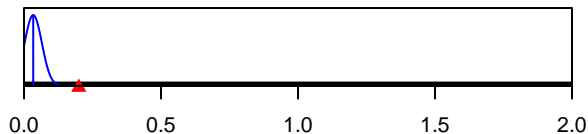
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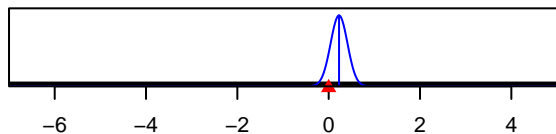
Size_95%width_FISHERY(1)



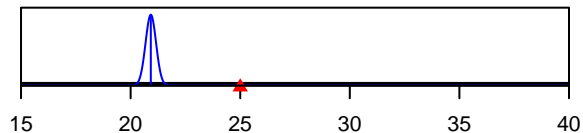
InitF_seas_1_flt_1FISHERY



LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Parameter value