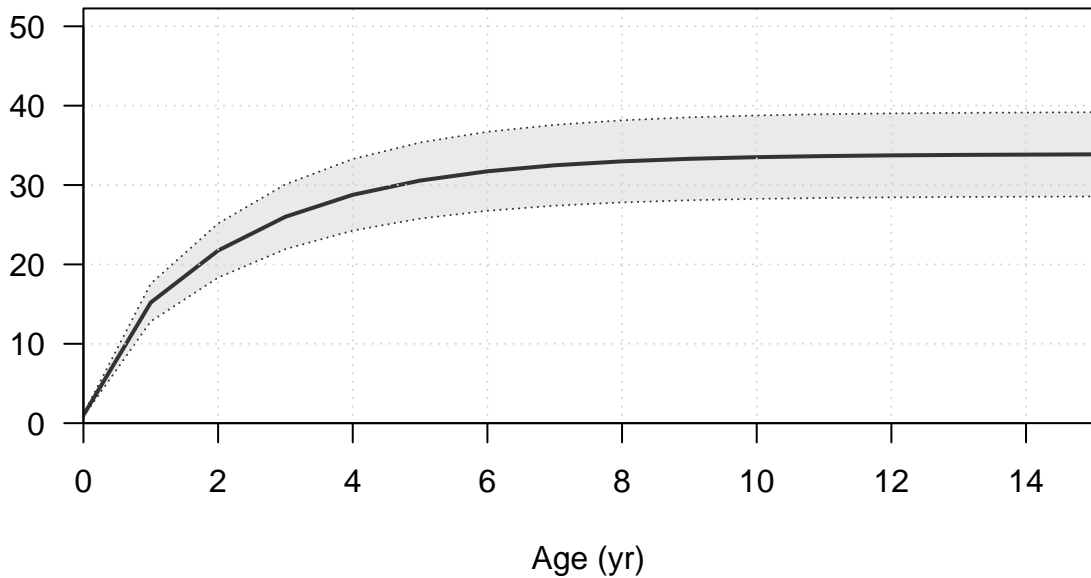
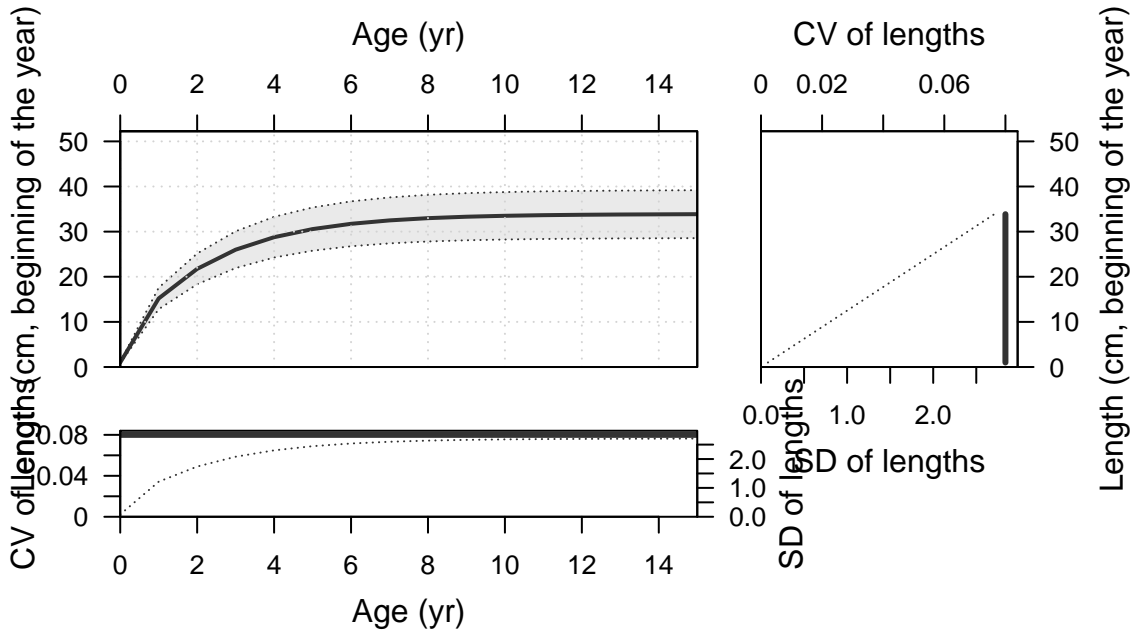
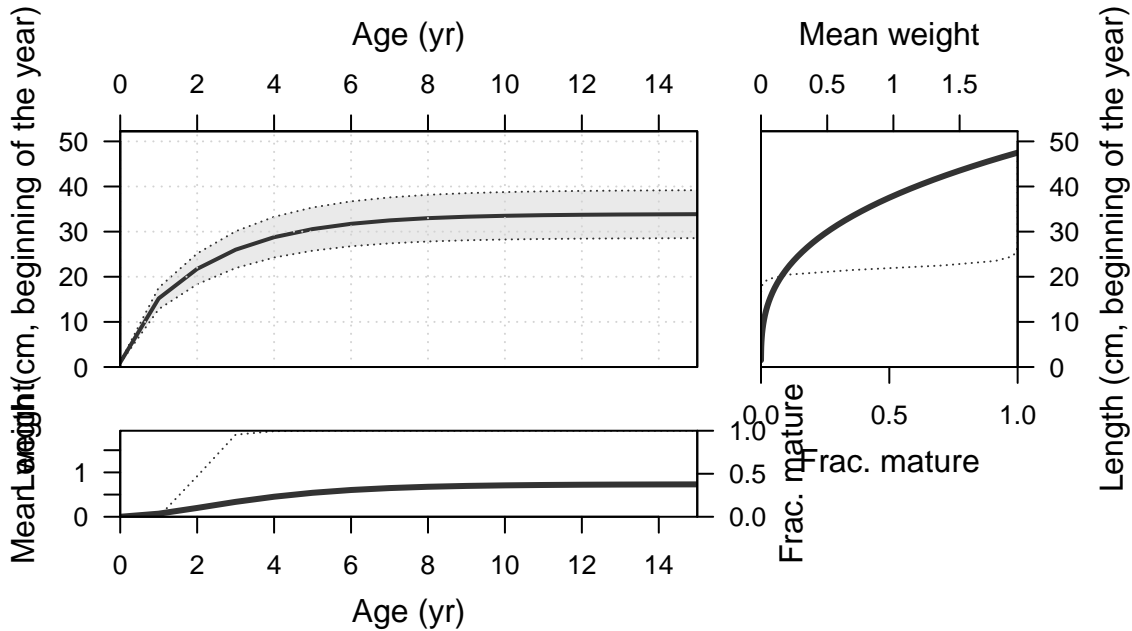


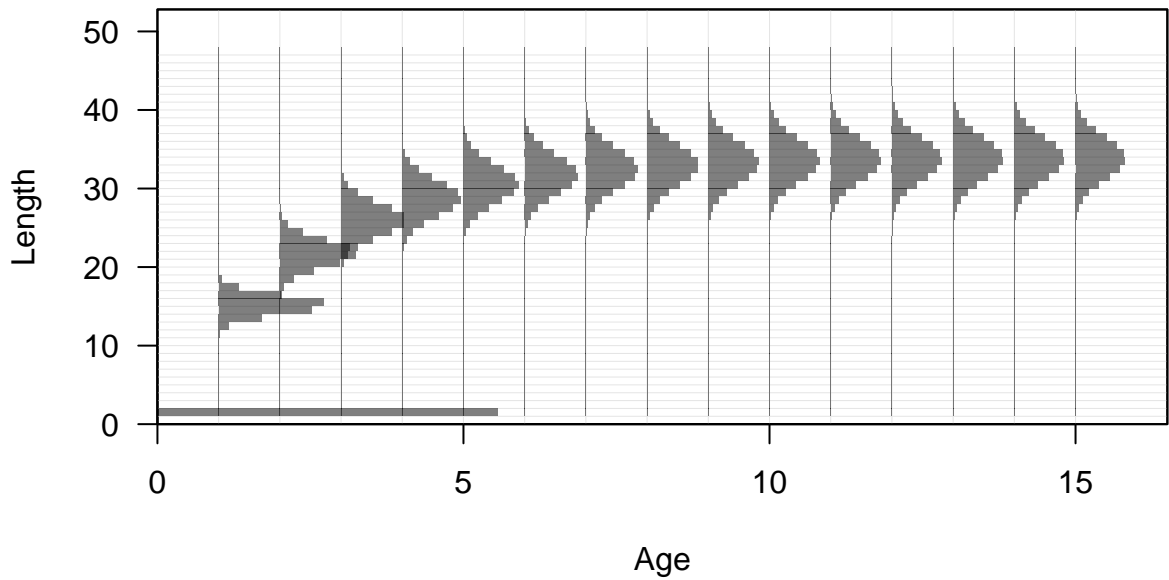
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Fri Jul 29 14:32:58 2022
Data_File: data.ss
Control_File: control.ss

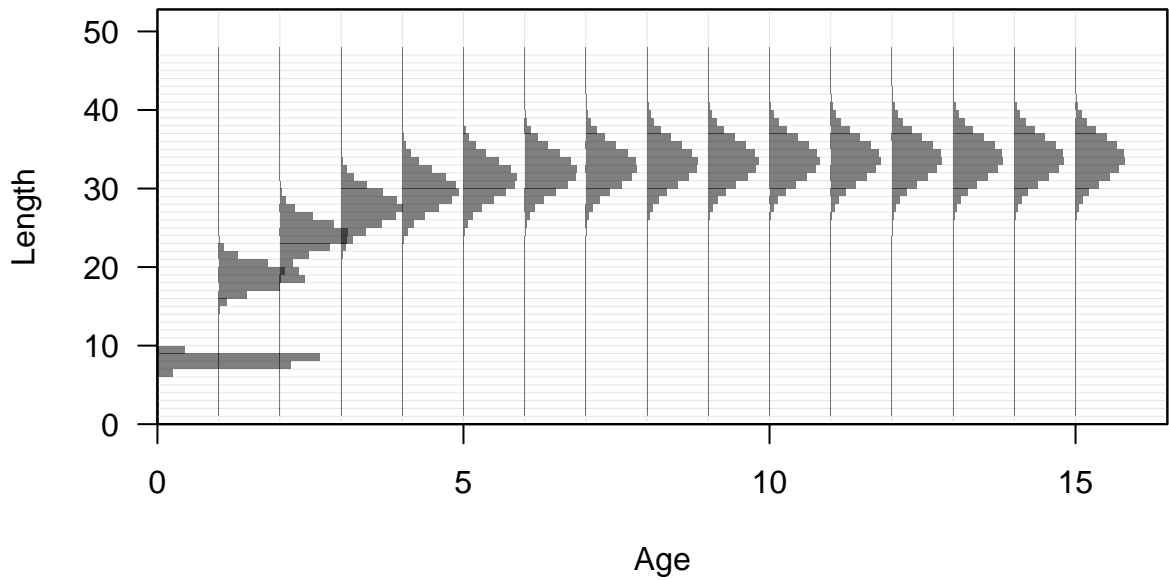
Length (cm, beginning of the year)

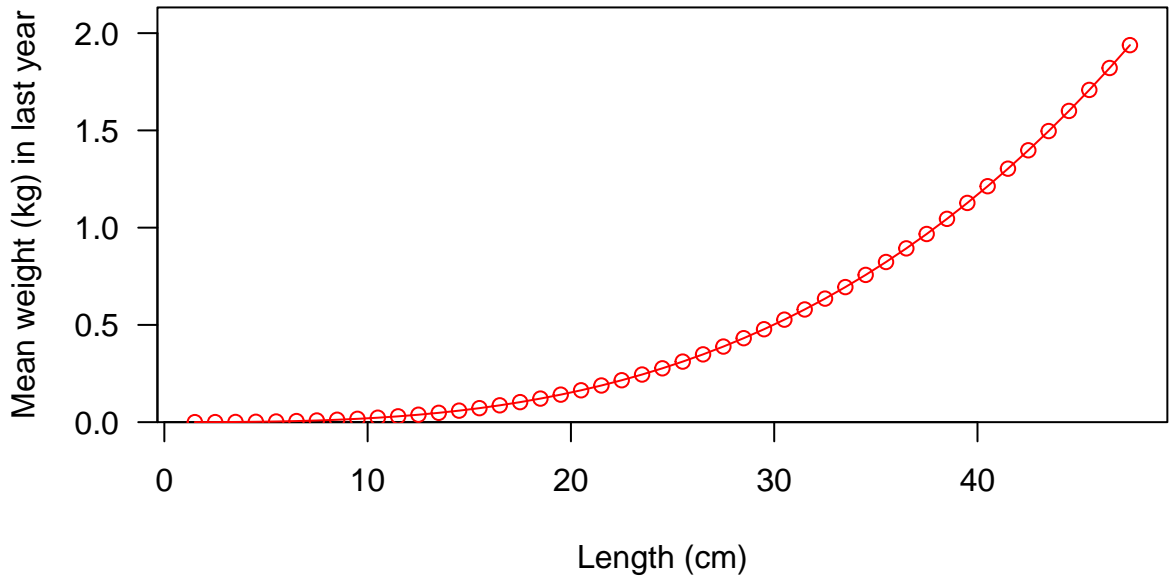


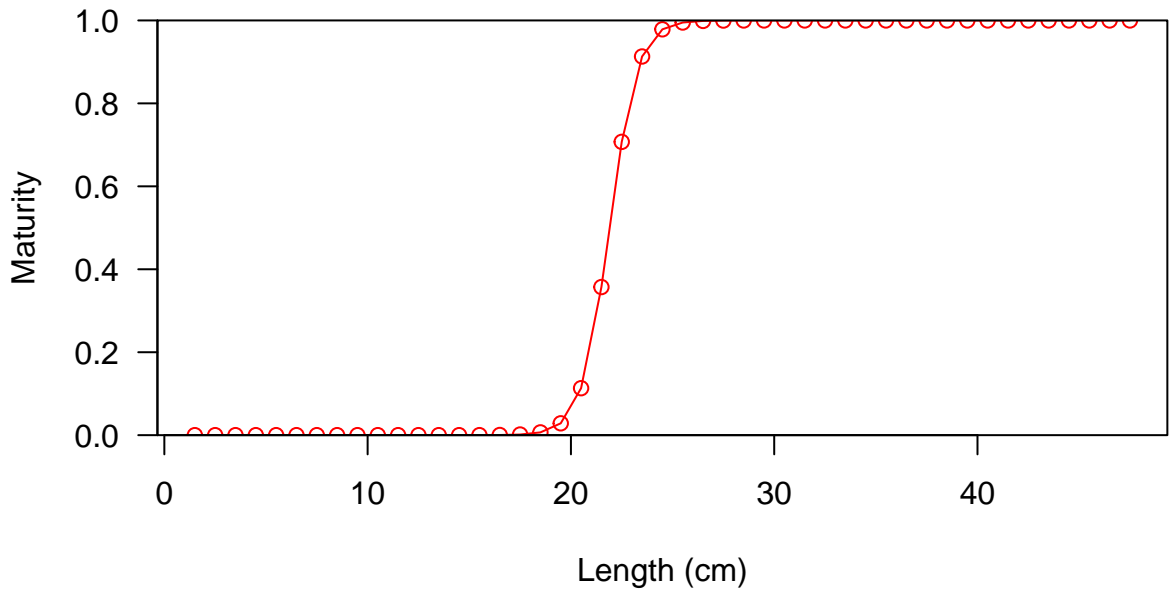


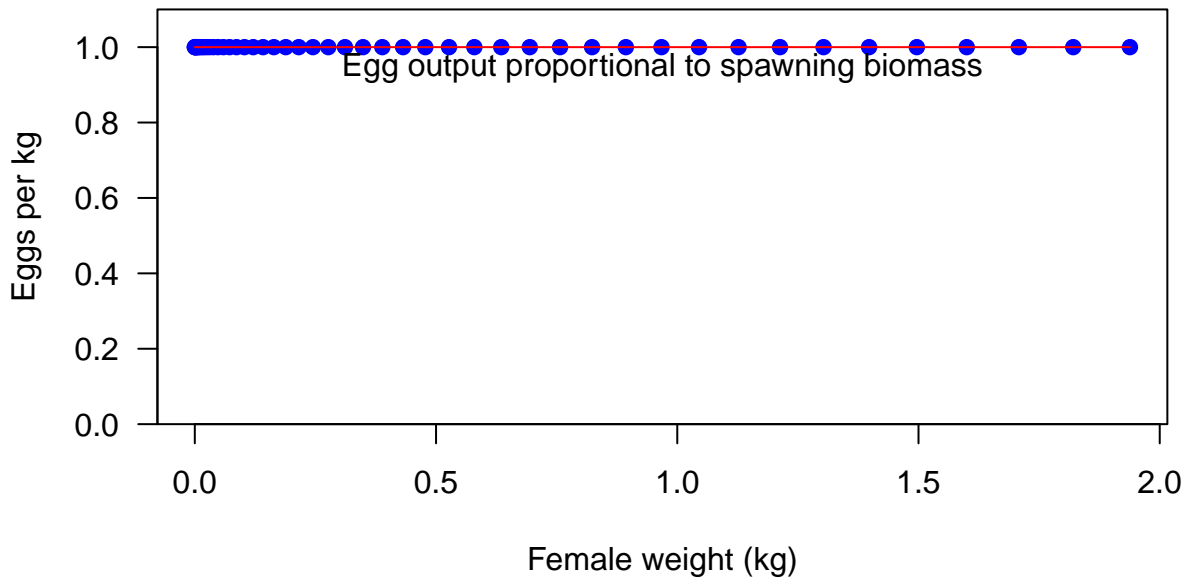


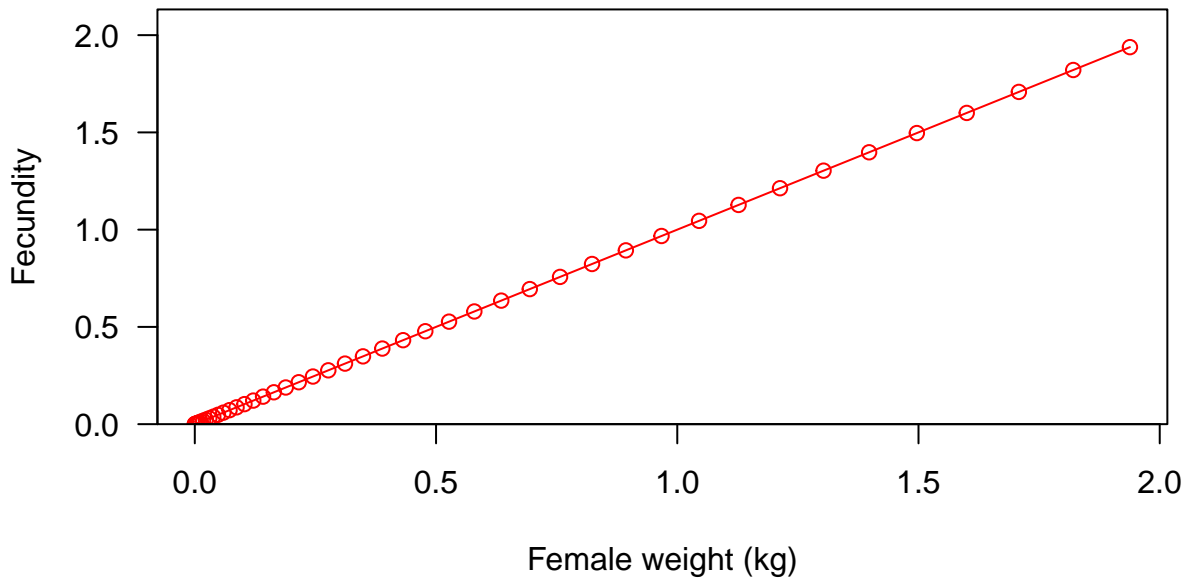


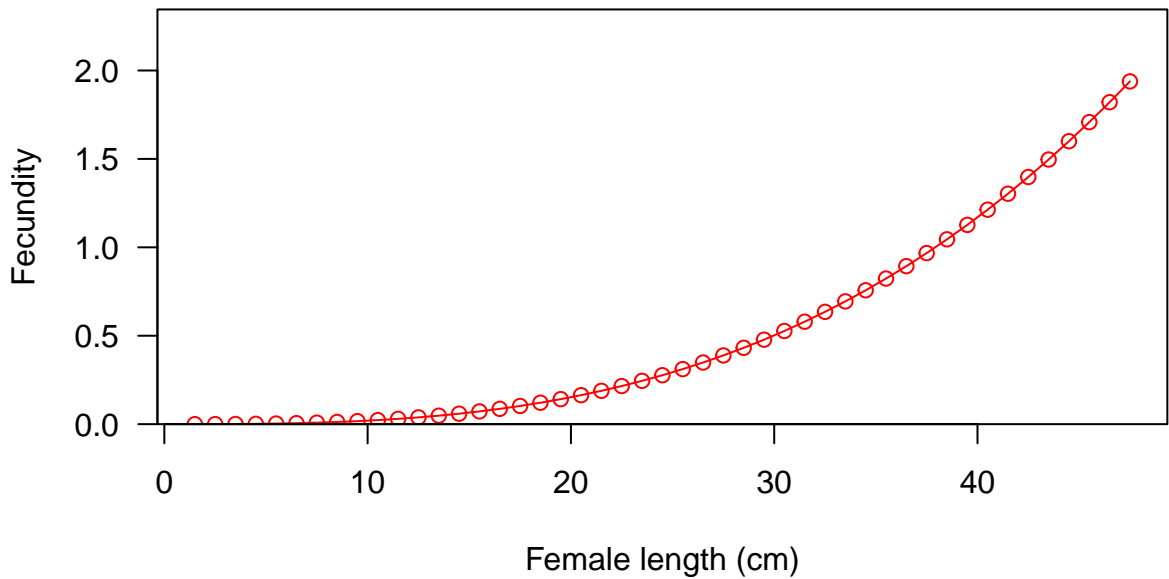


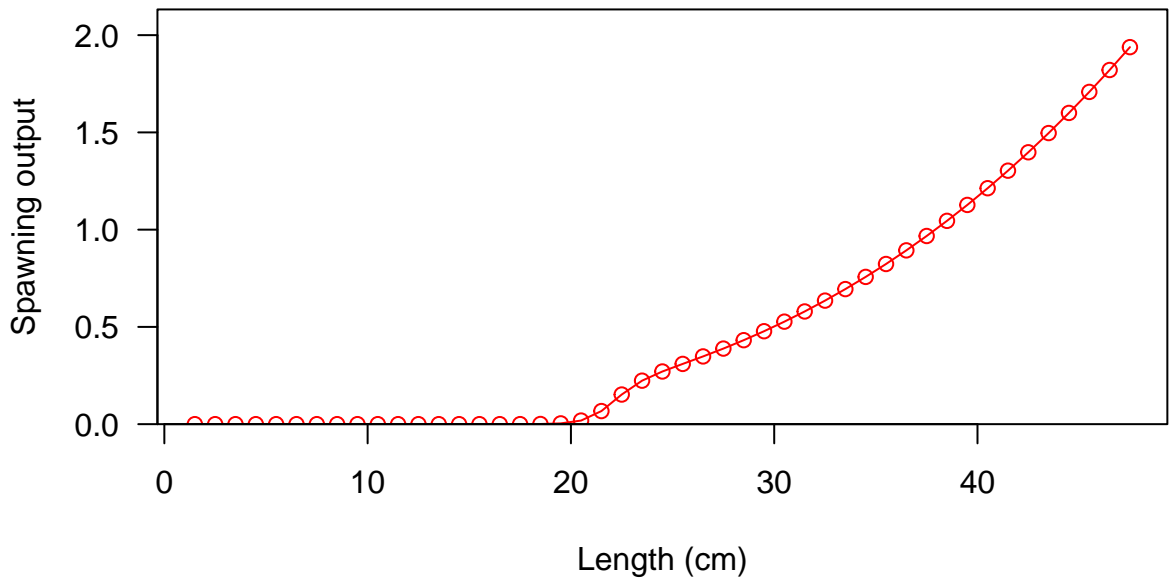


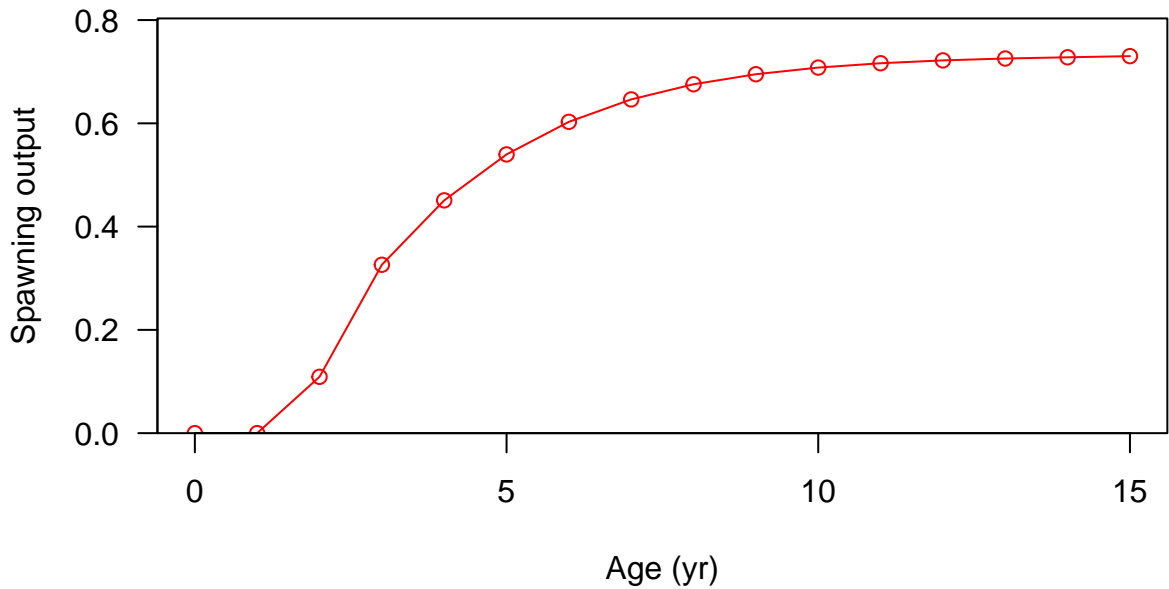








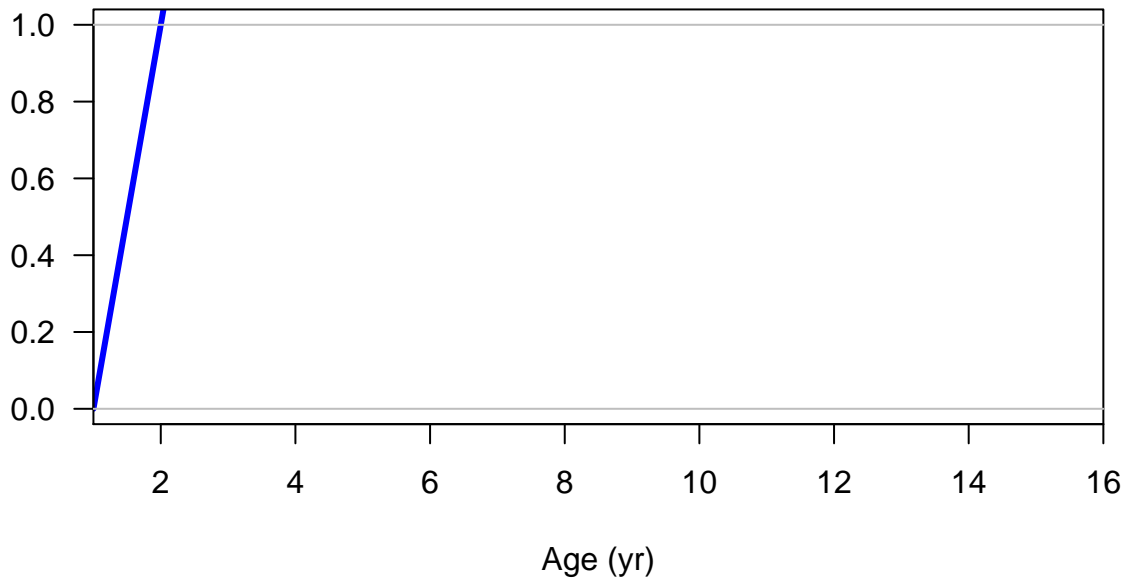




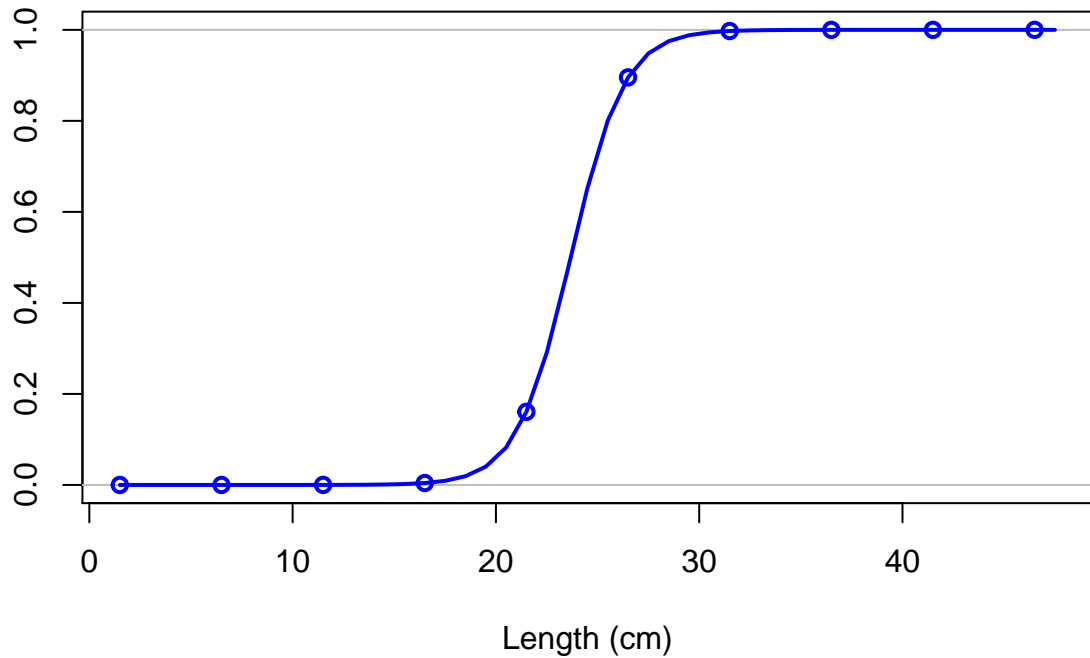
Hermaphroditism transition rate



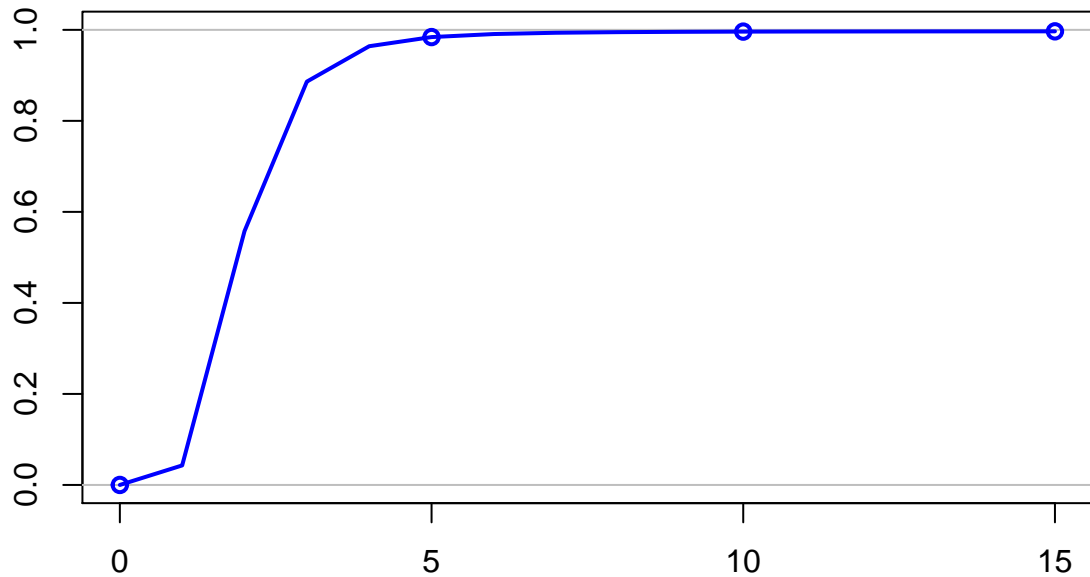
Fraction females by age at equilibrium



Selectivity

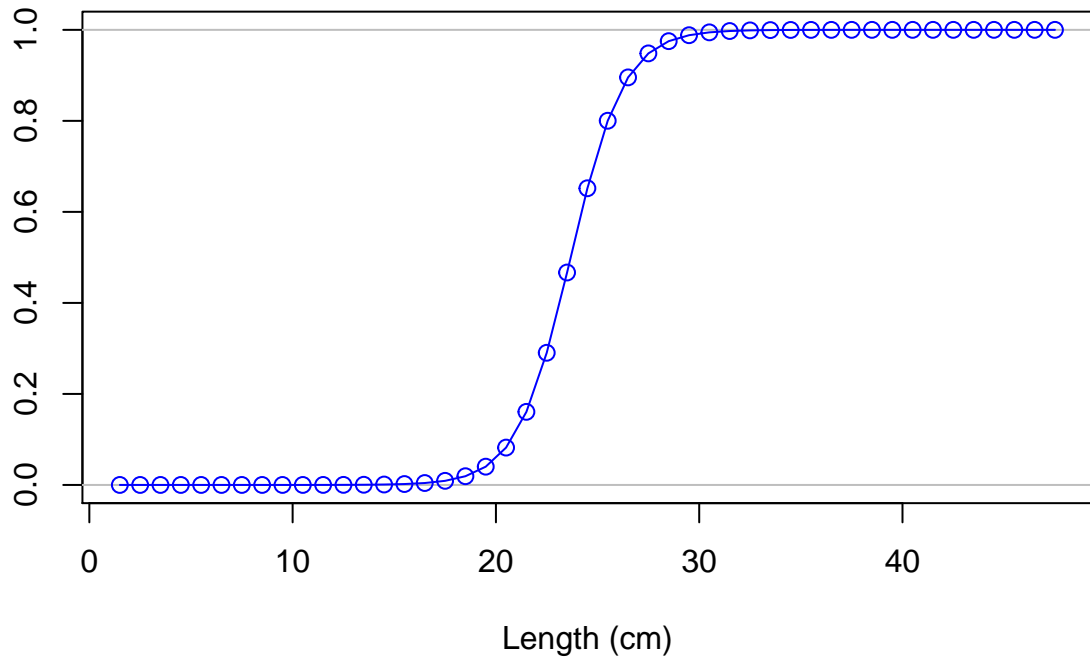


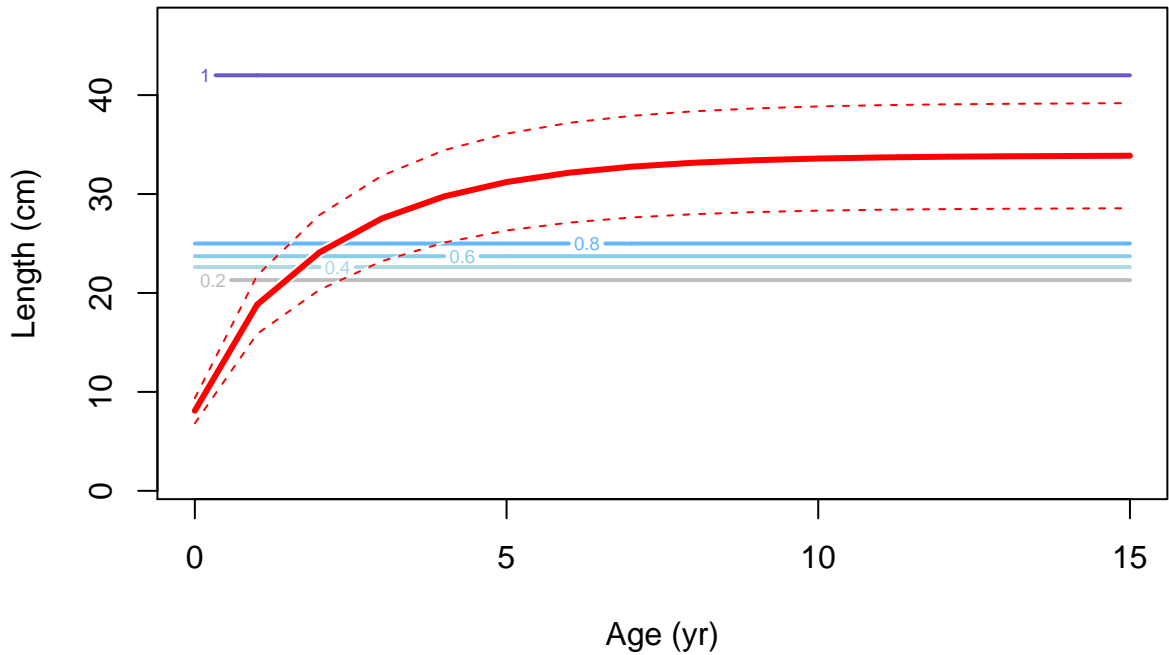
Selectivity

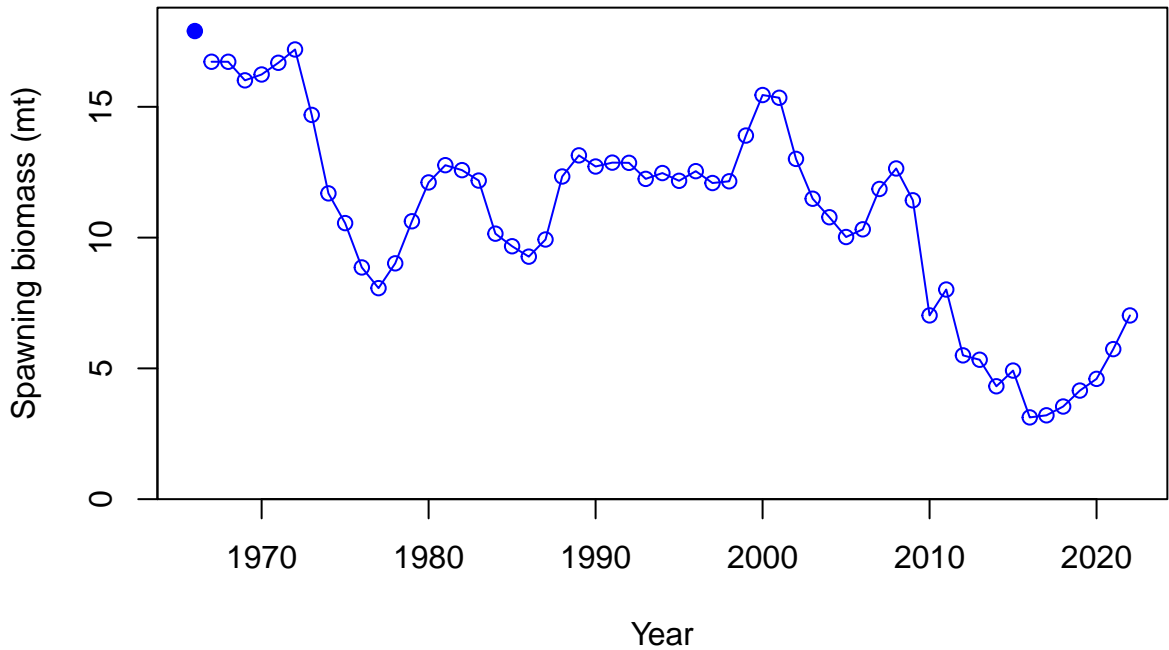


Age (yr)

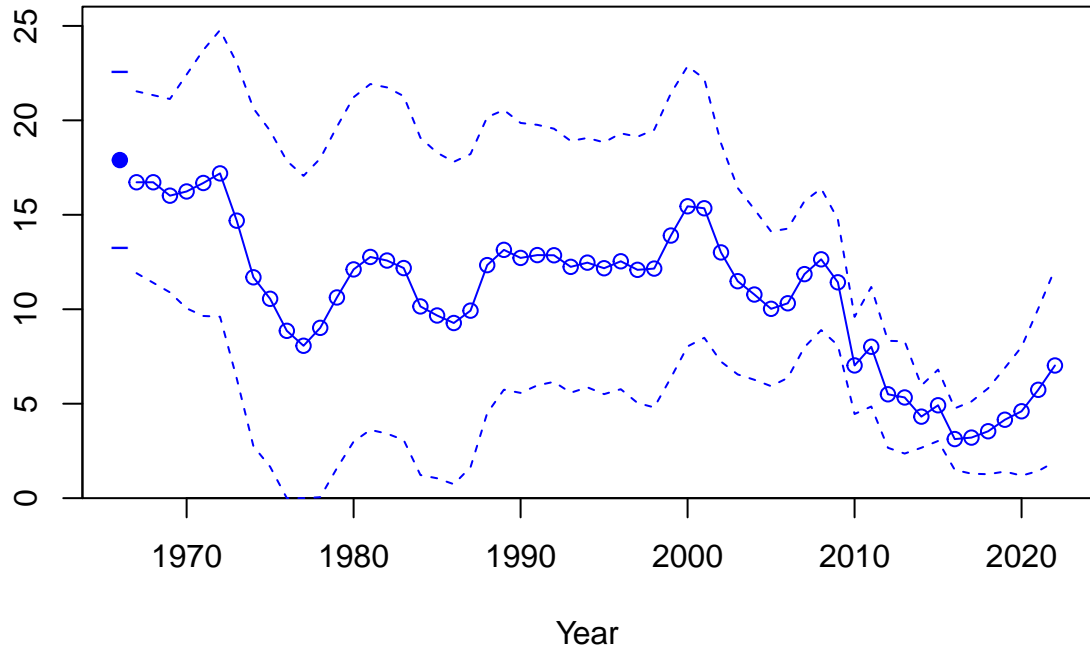
Selectivity



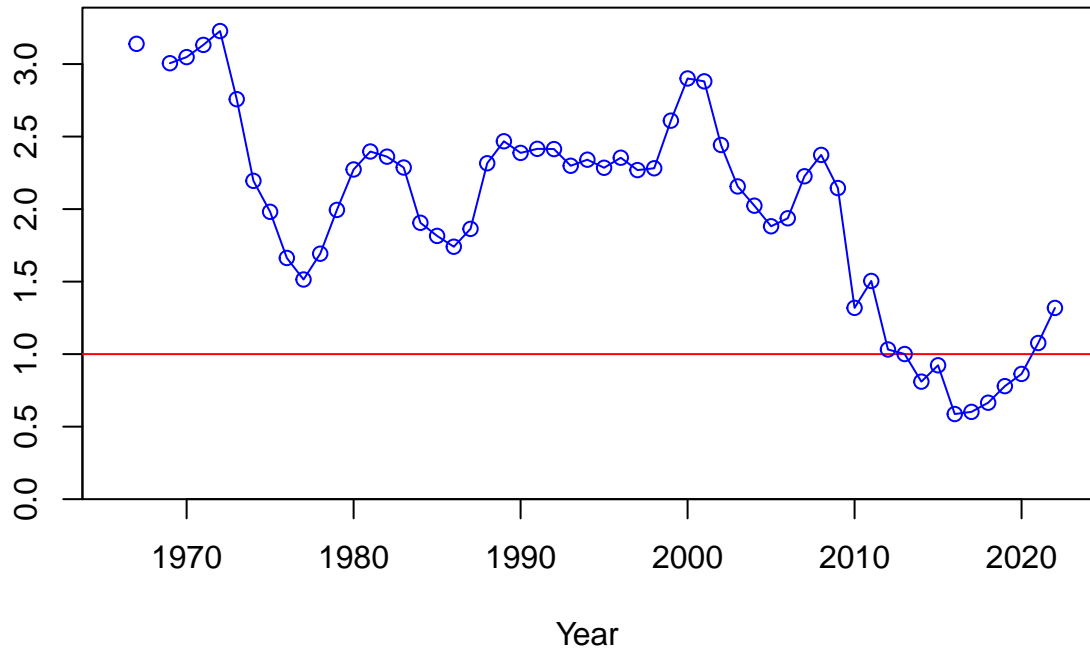




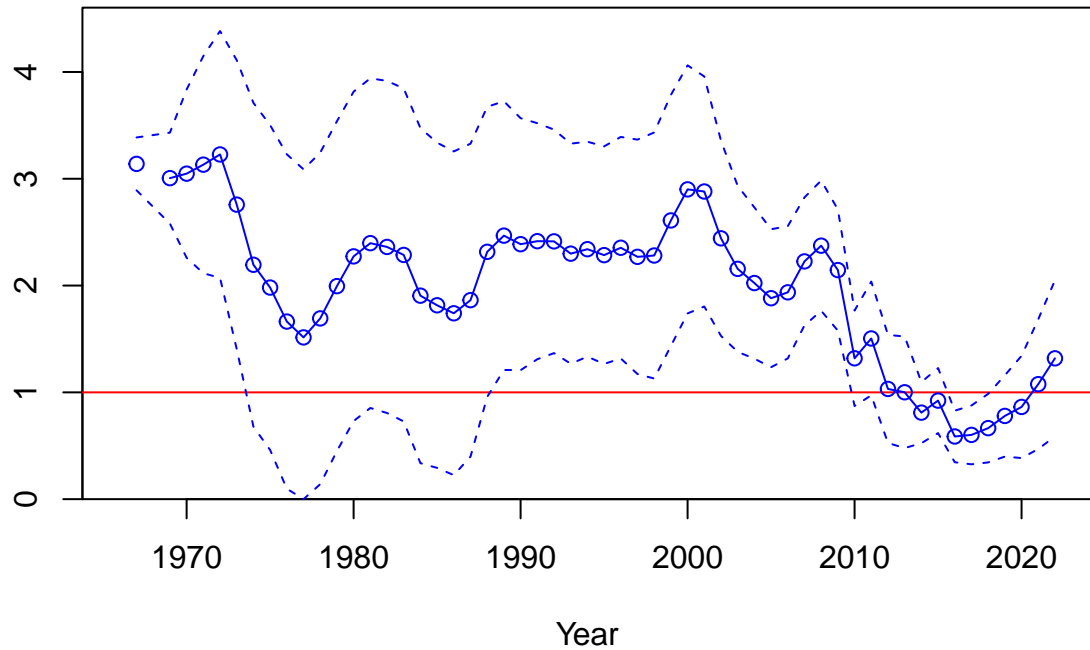
Spawning biomass (mt)

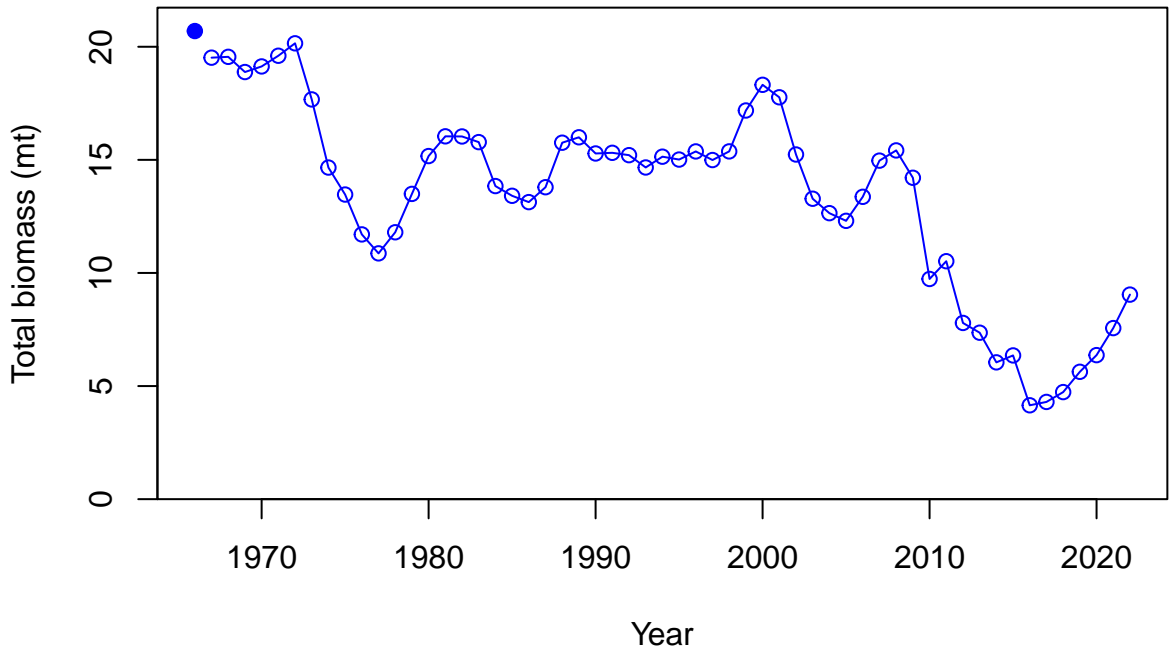


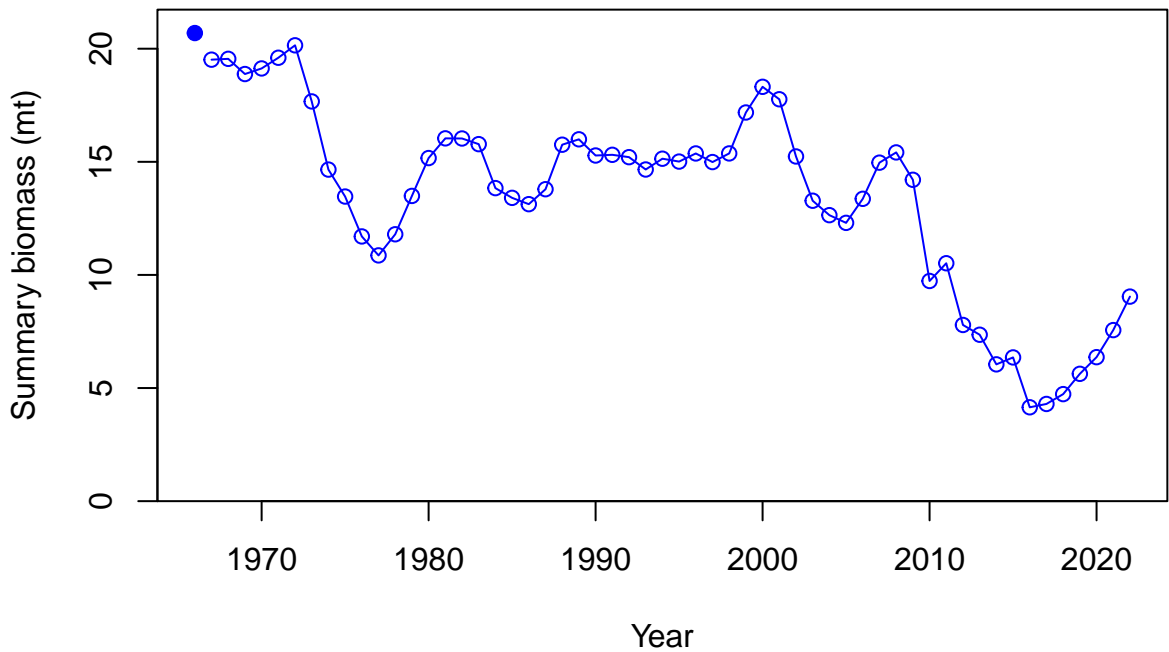
Relative spawning biomass: B/B_{MSY}



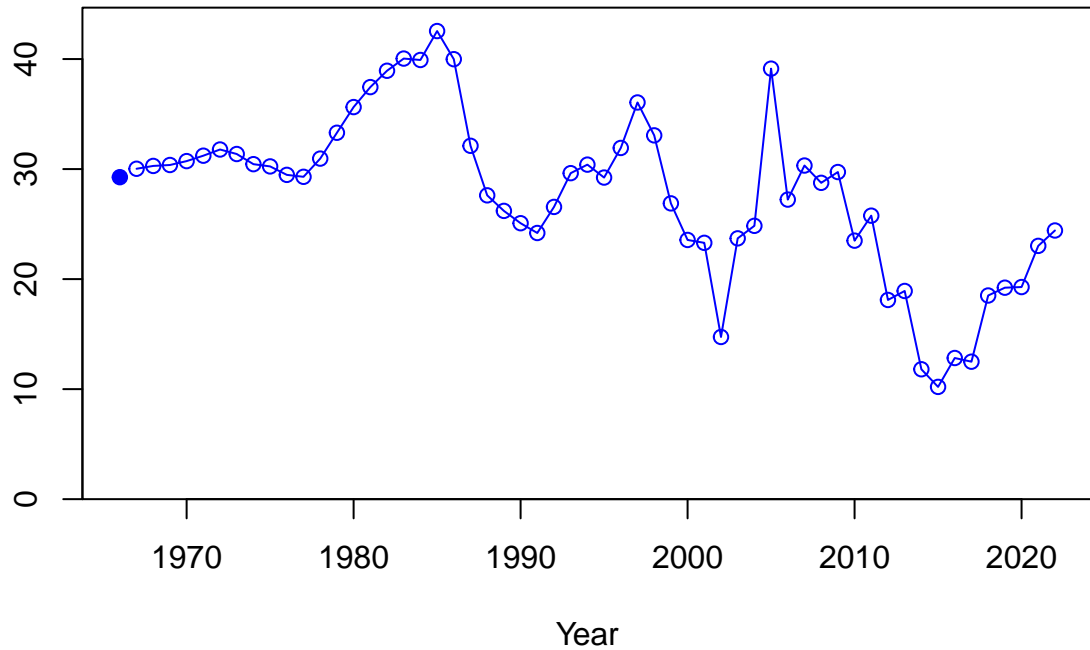
Relative spawning biomass: B/B_{MSY}



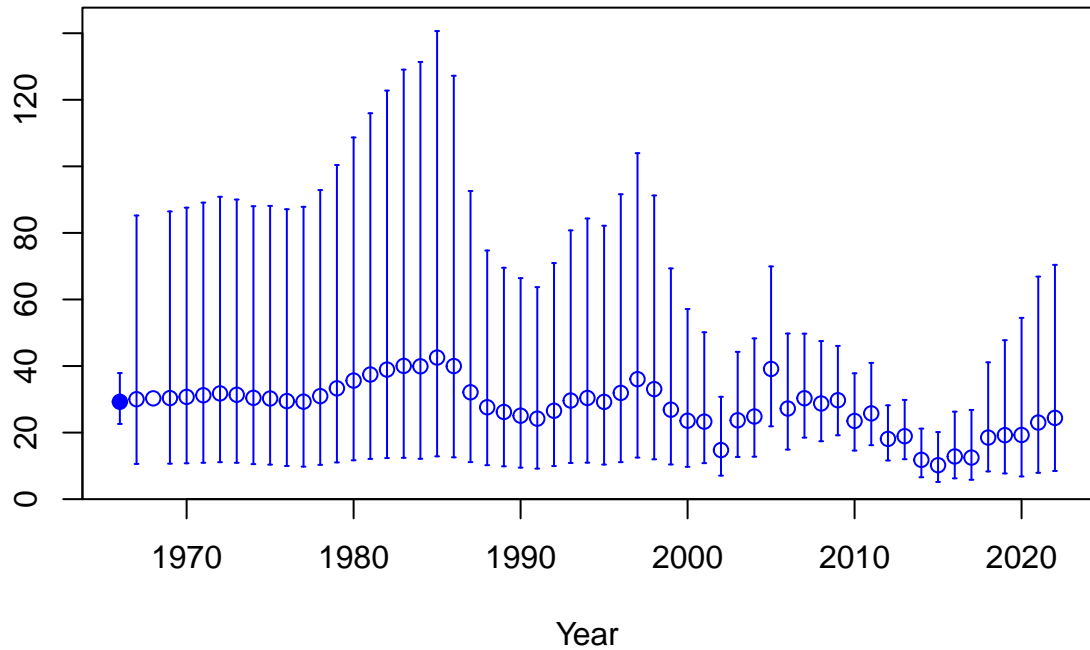




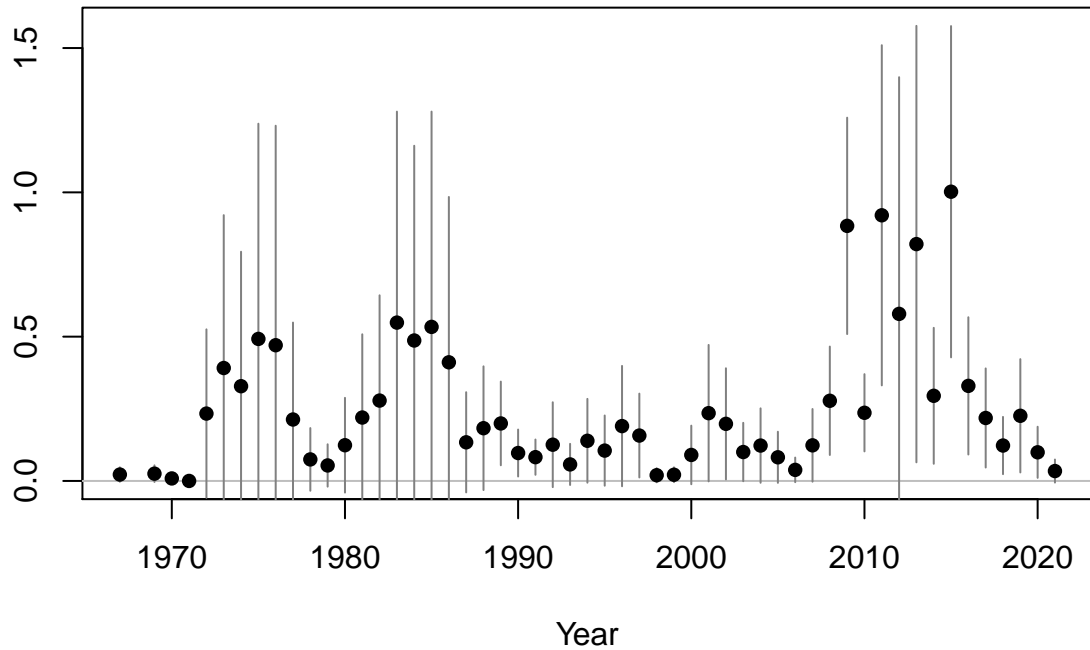
Age-0 recruits (1,000s)

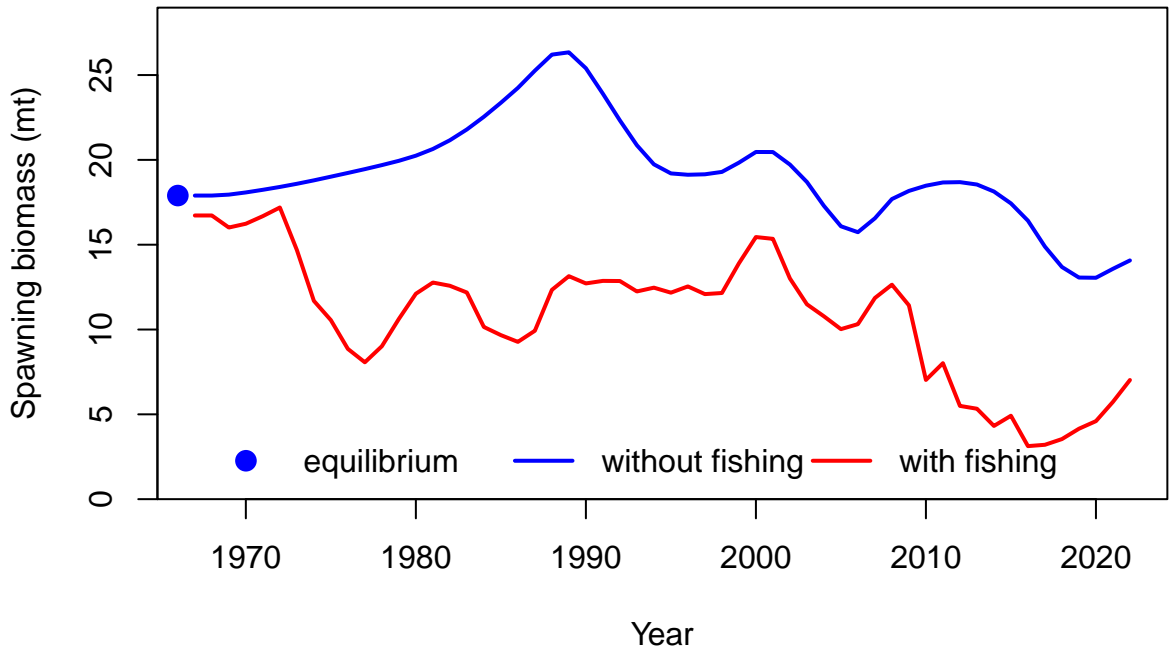


Age-0 recruits (1,000s)

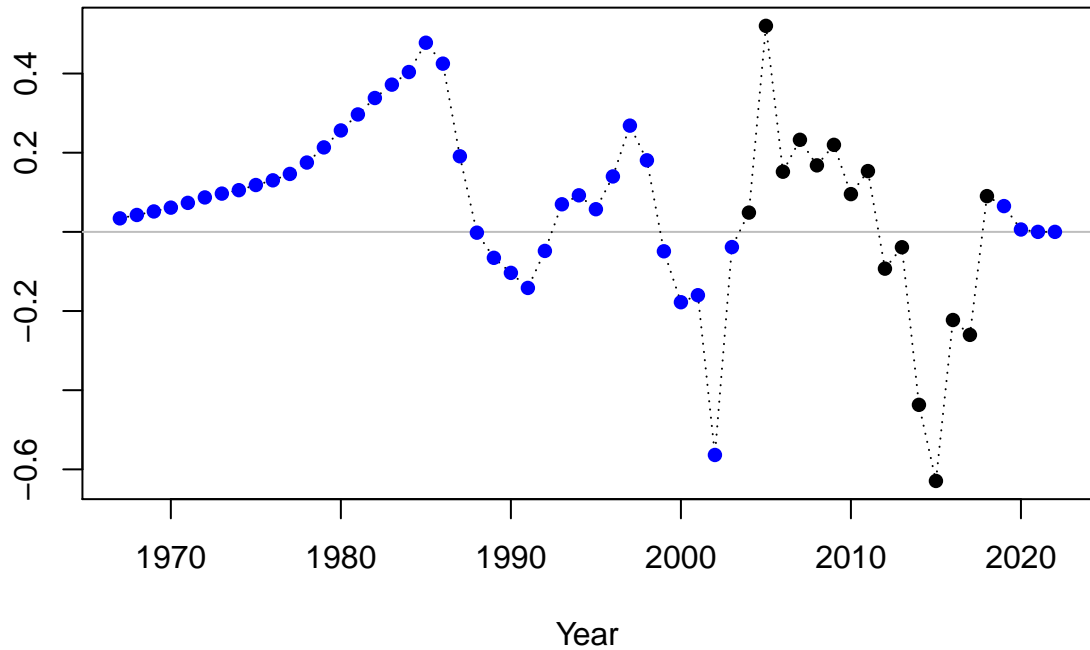


Summary Fishing Mortality





Log recruitment deviation



Log recruitment deviation

-1.0
-0.5
0.0
0.5
1.0
1.5

1970

1980

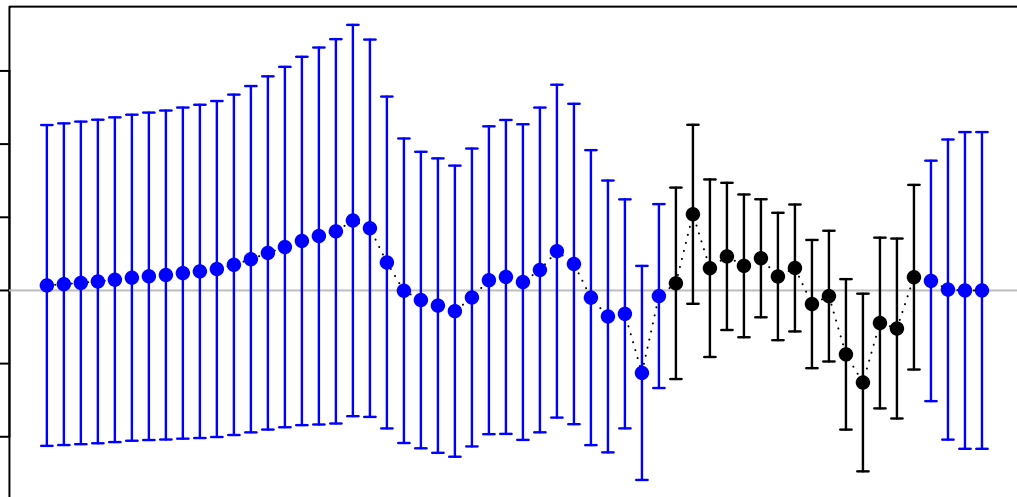
1990

2000

2010

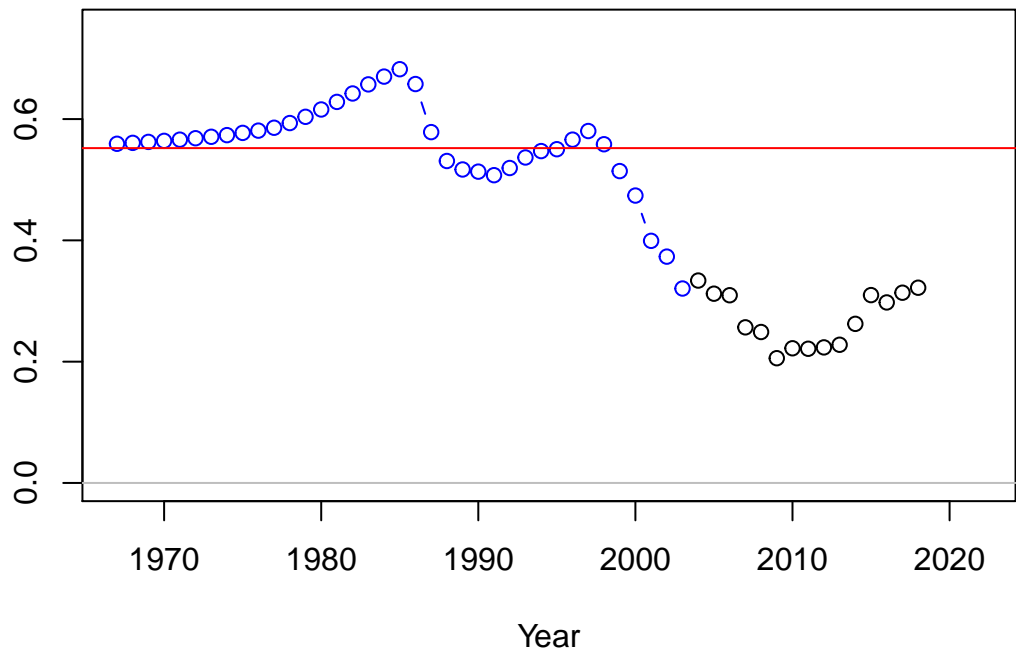
2020

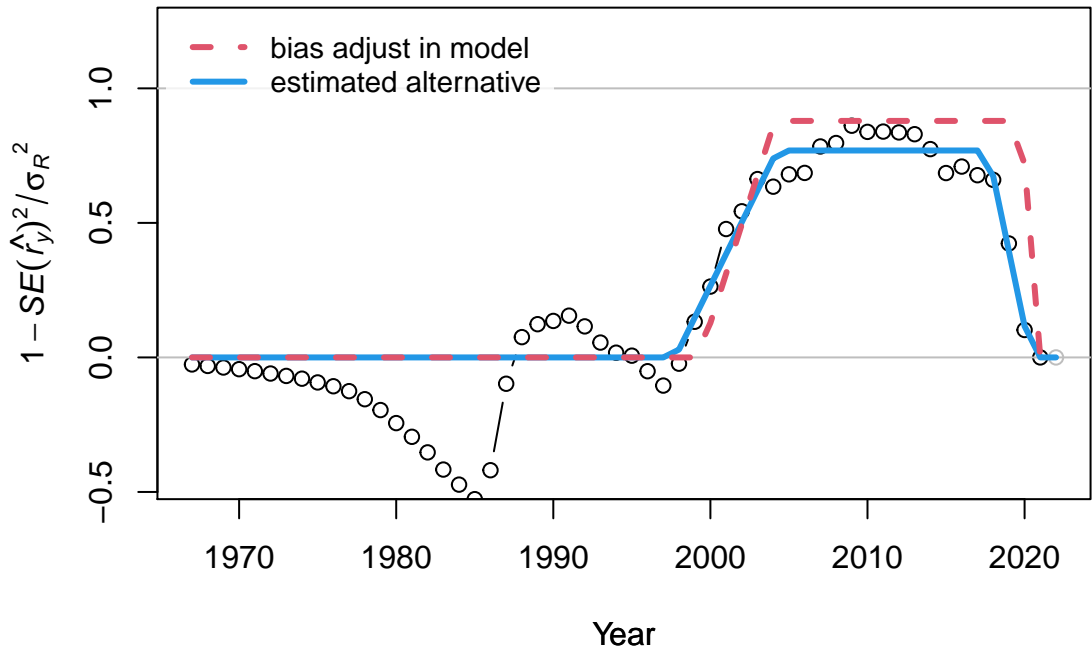
Year

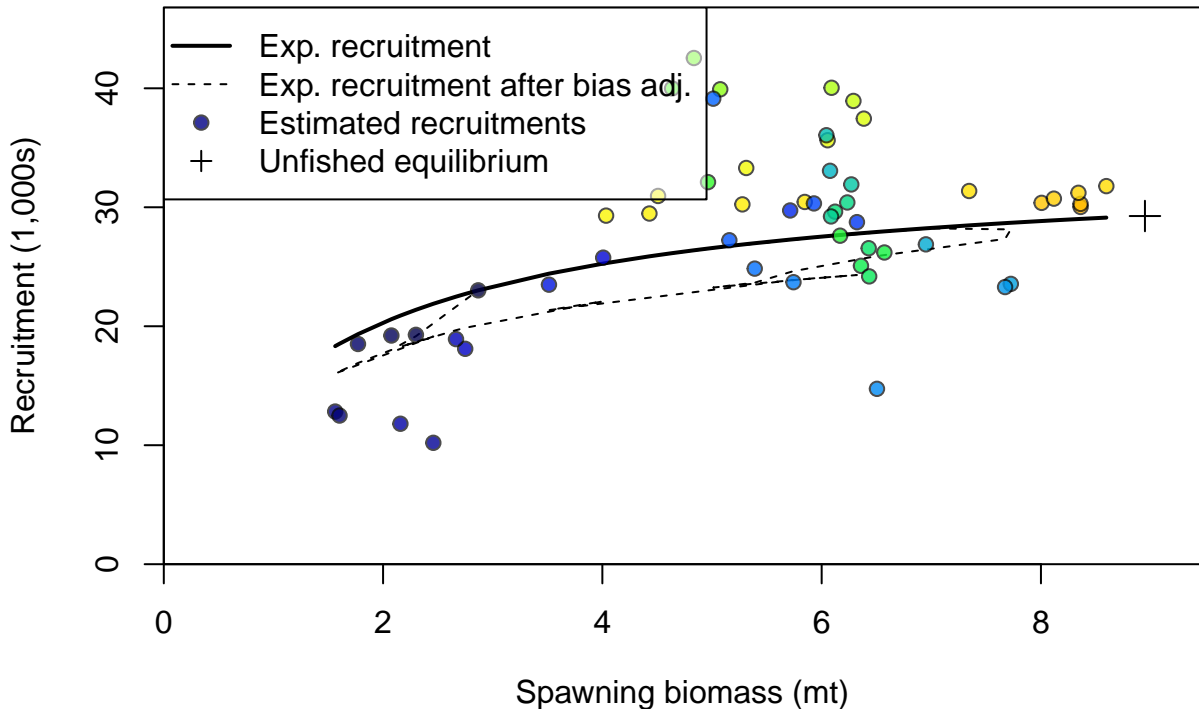


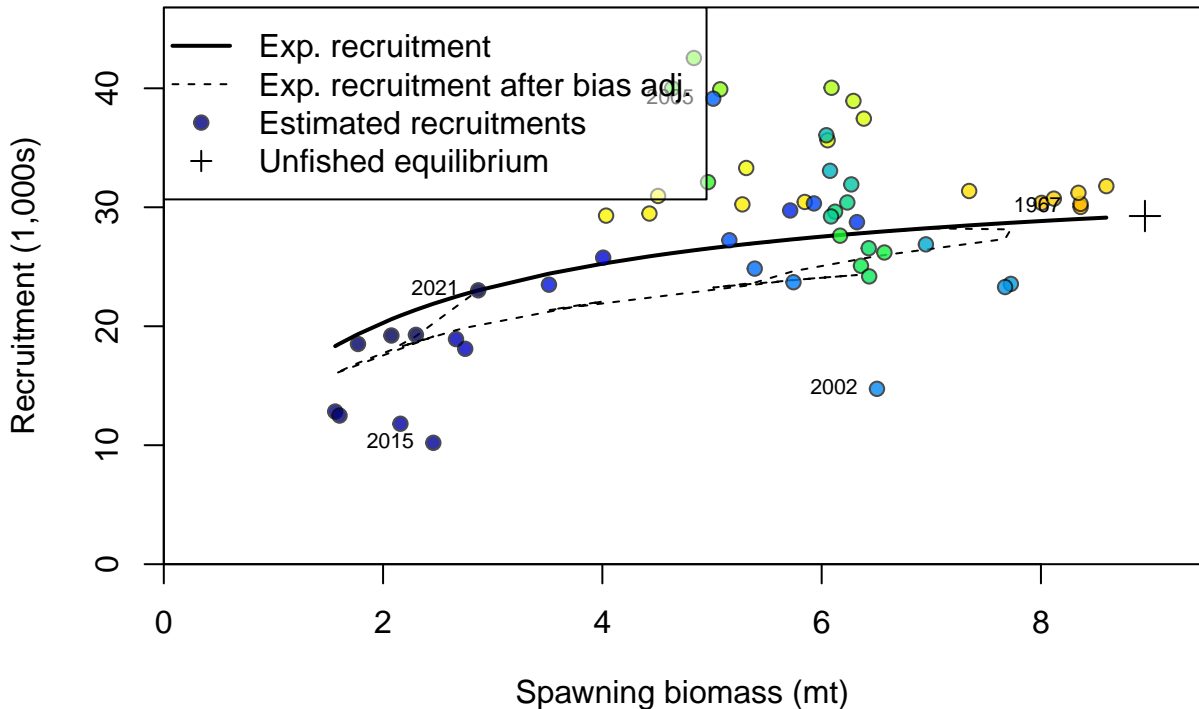
Recruitment deviation variance

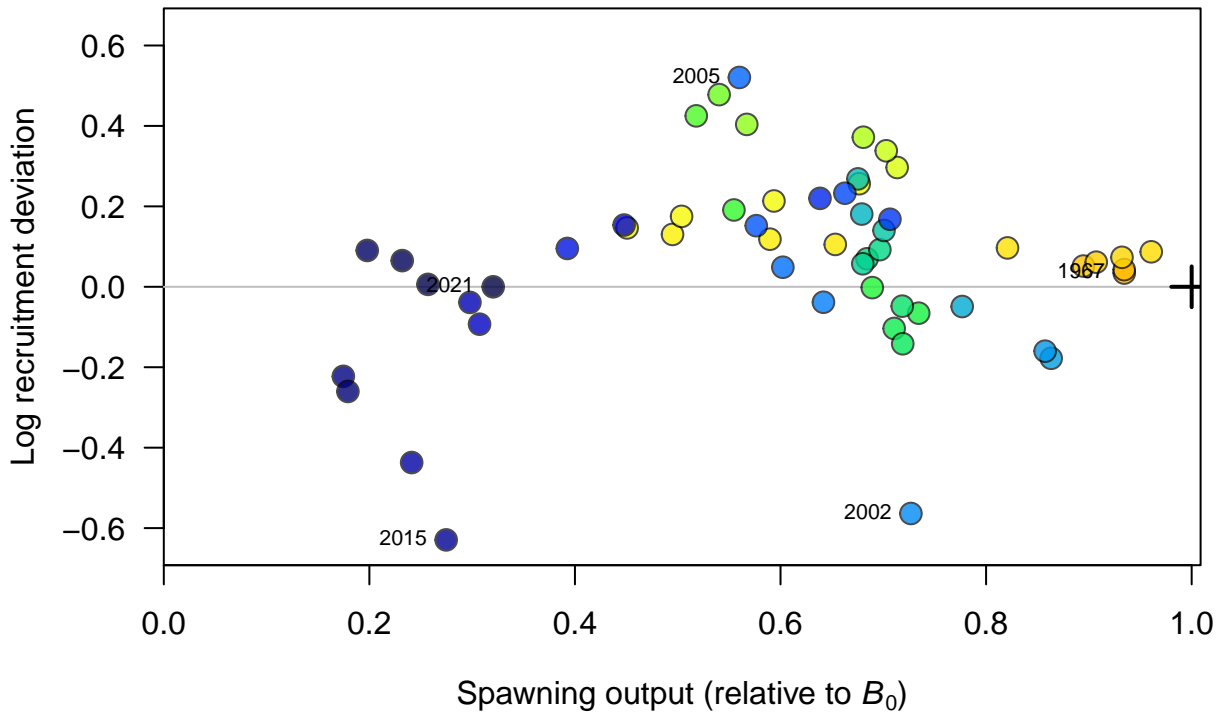
Asymptotic standard error estimate

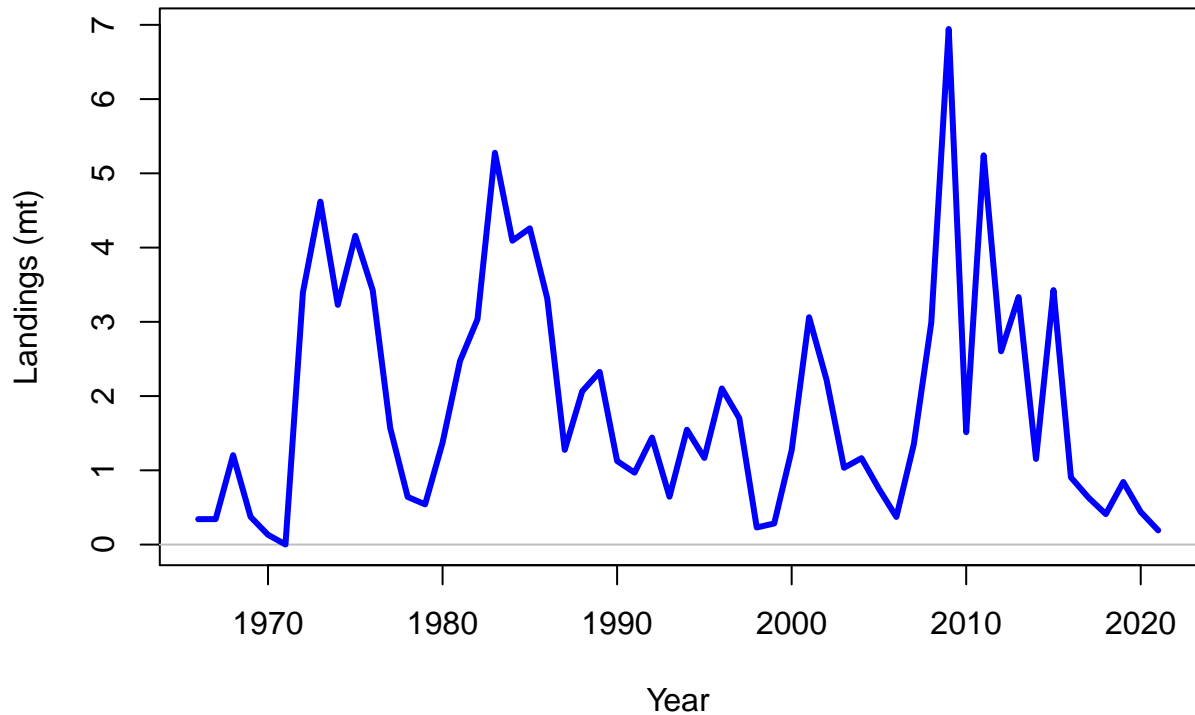


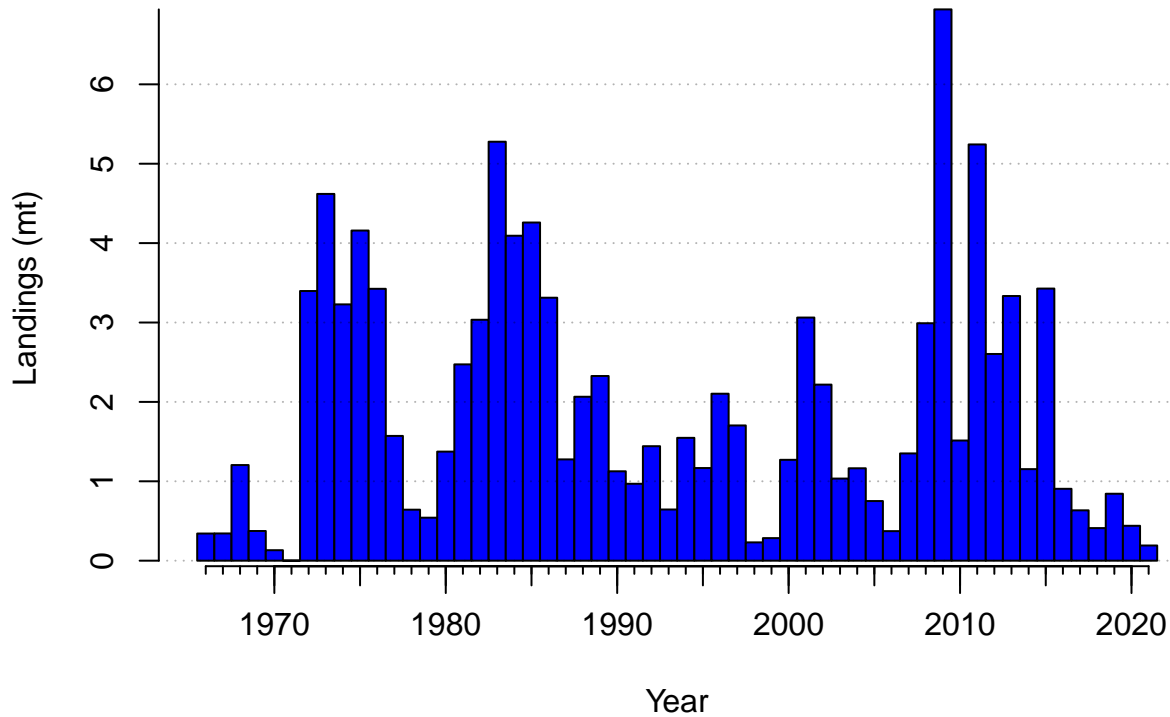




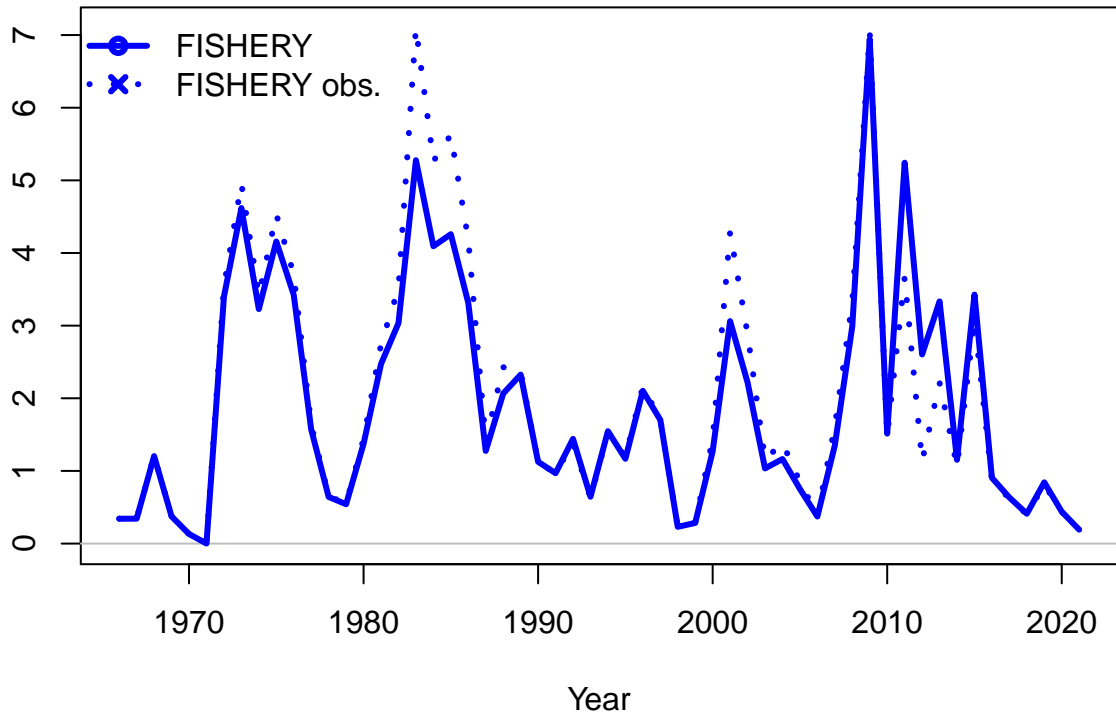


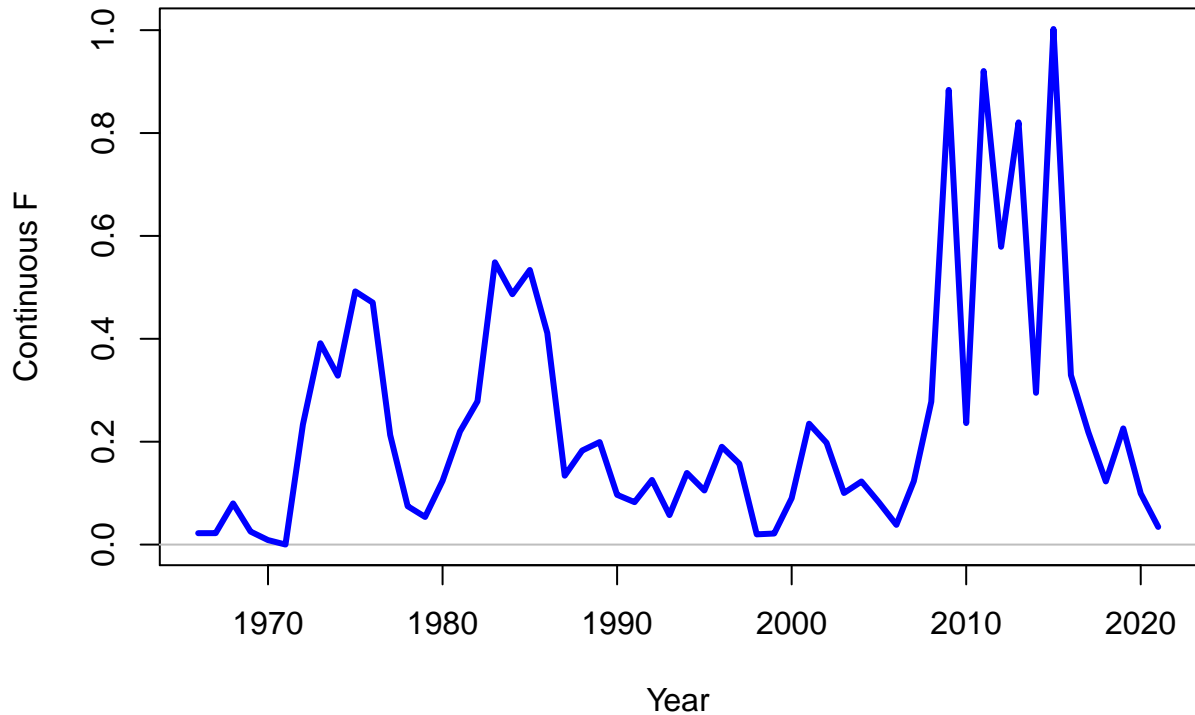




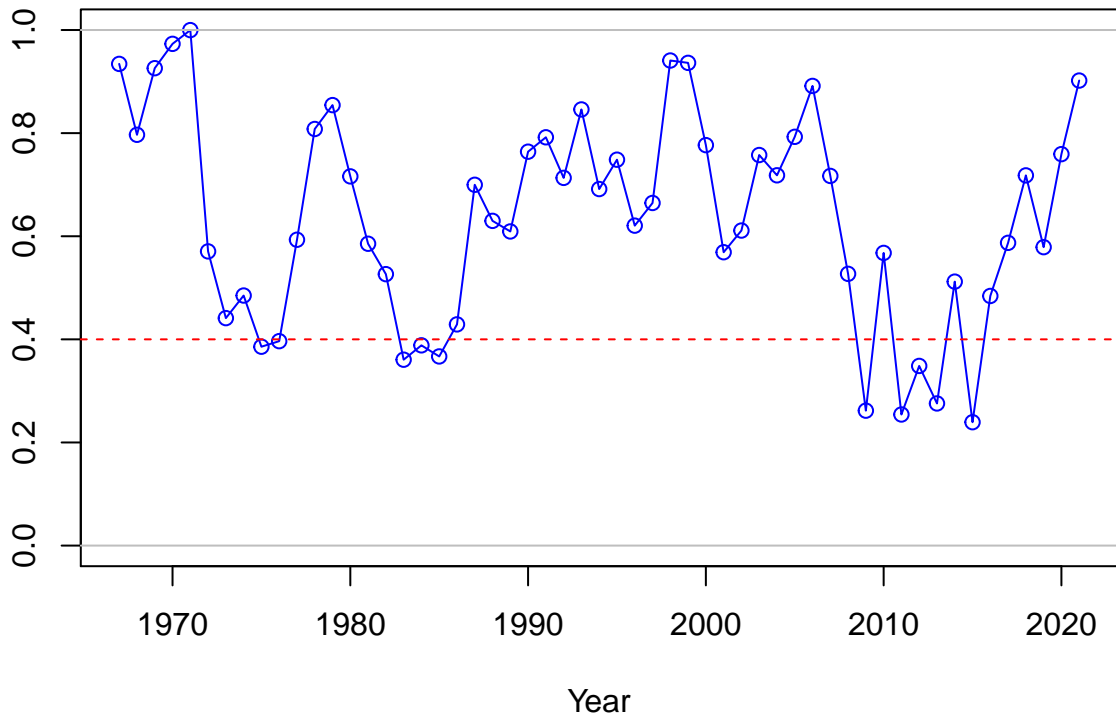


Observed and expected Landings (mt)

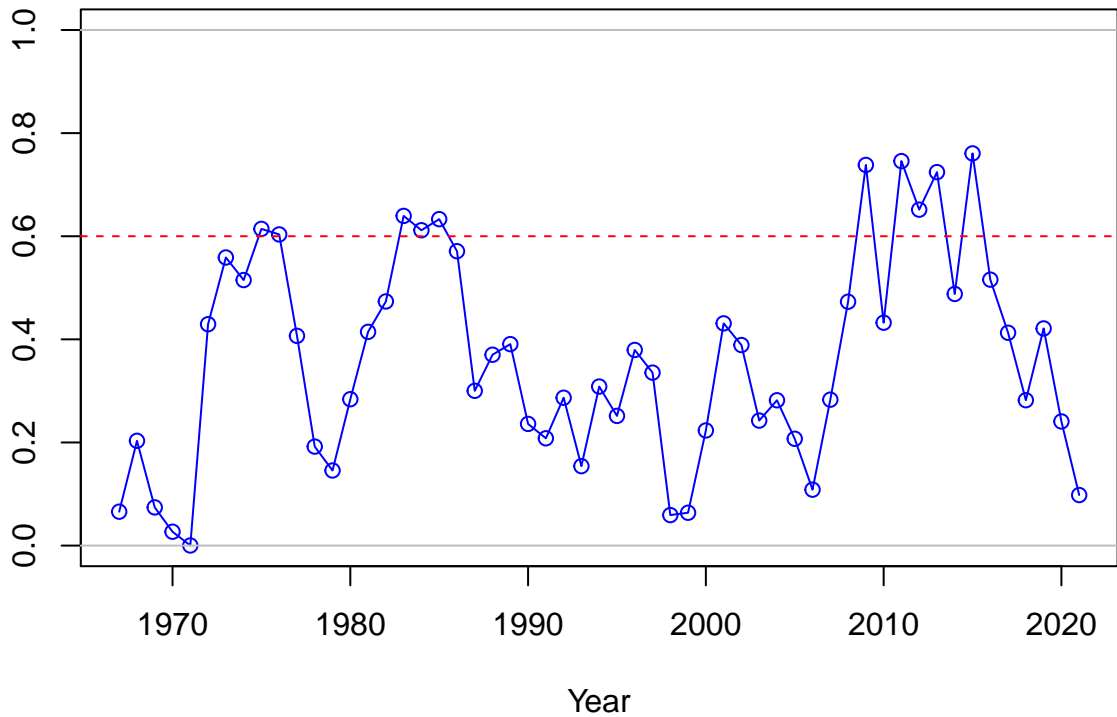




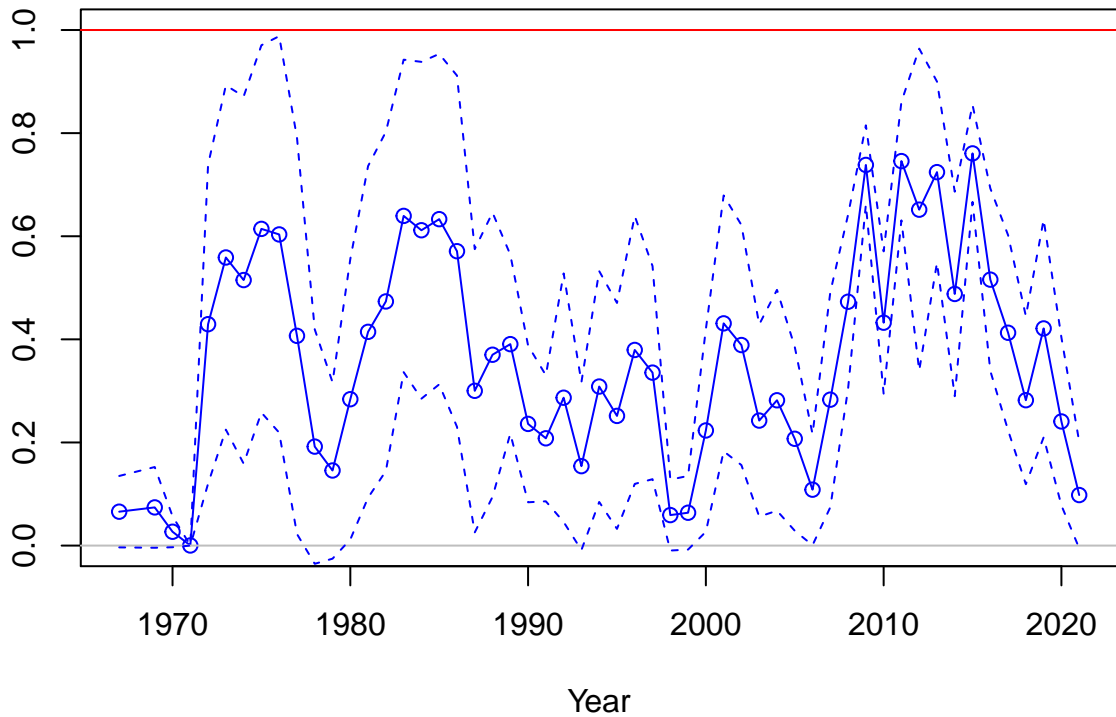
SPR



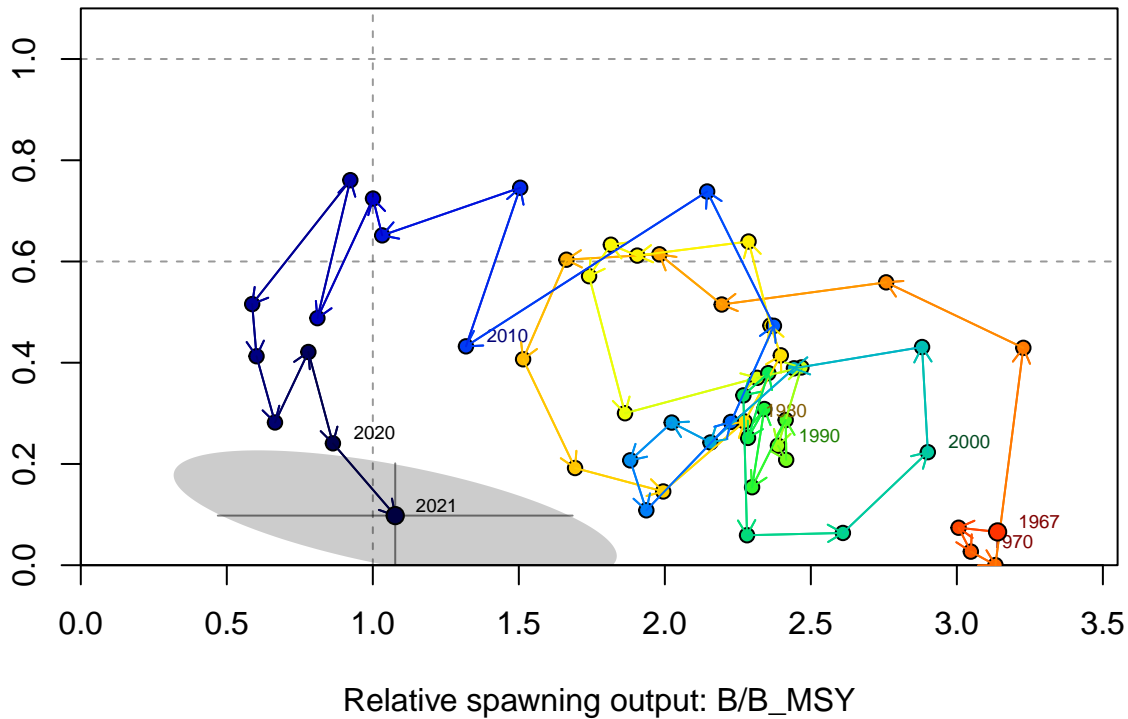
1-SPR

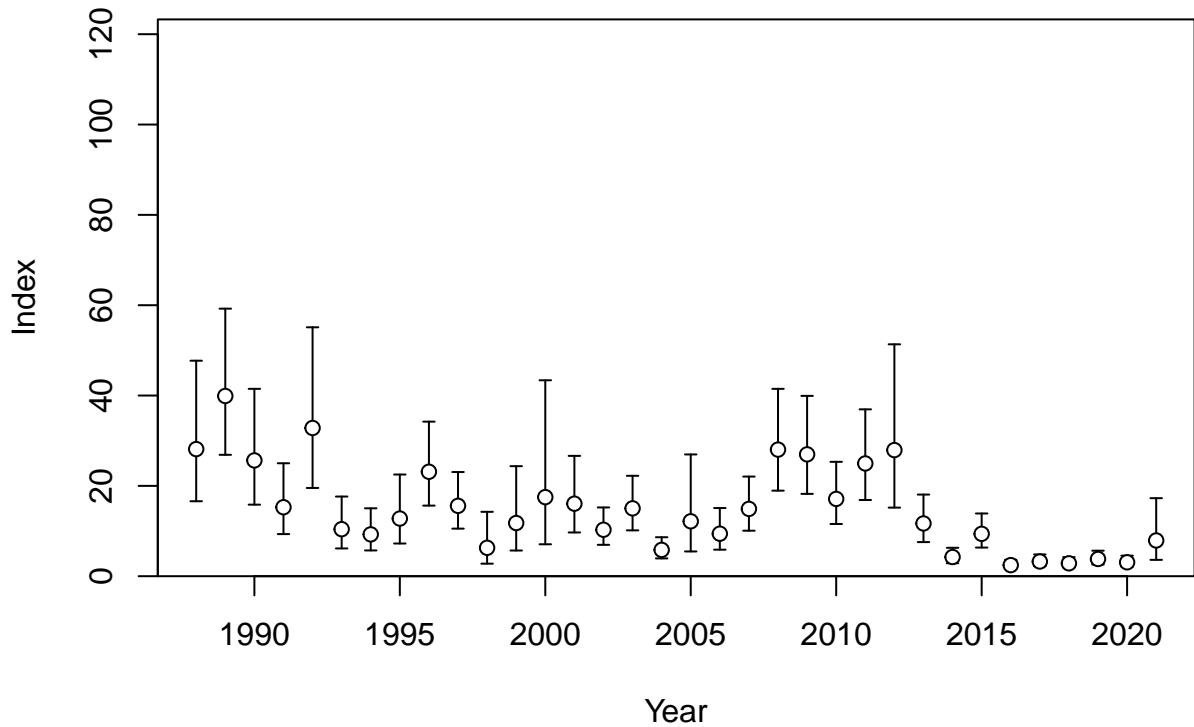


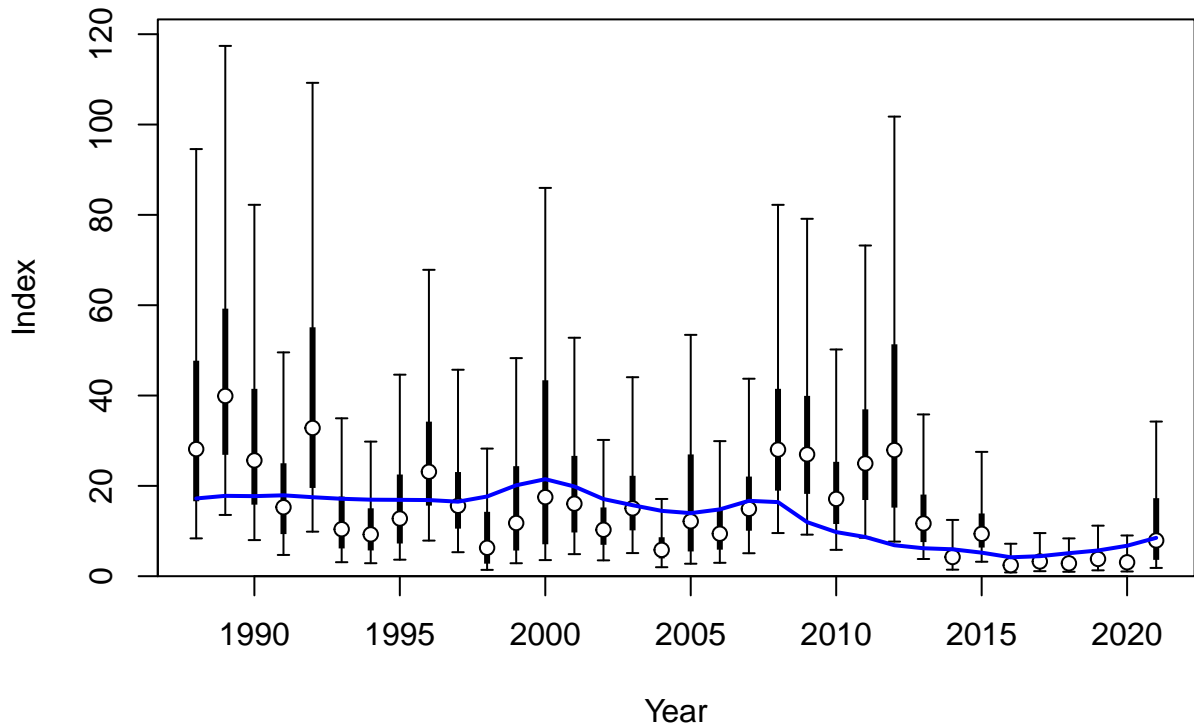
Fishing intensity: 1-SPR

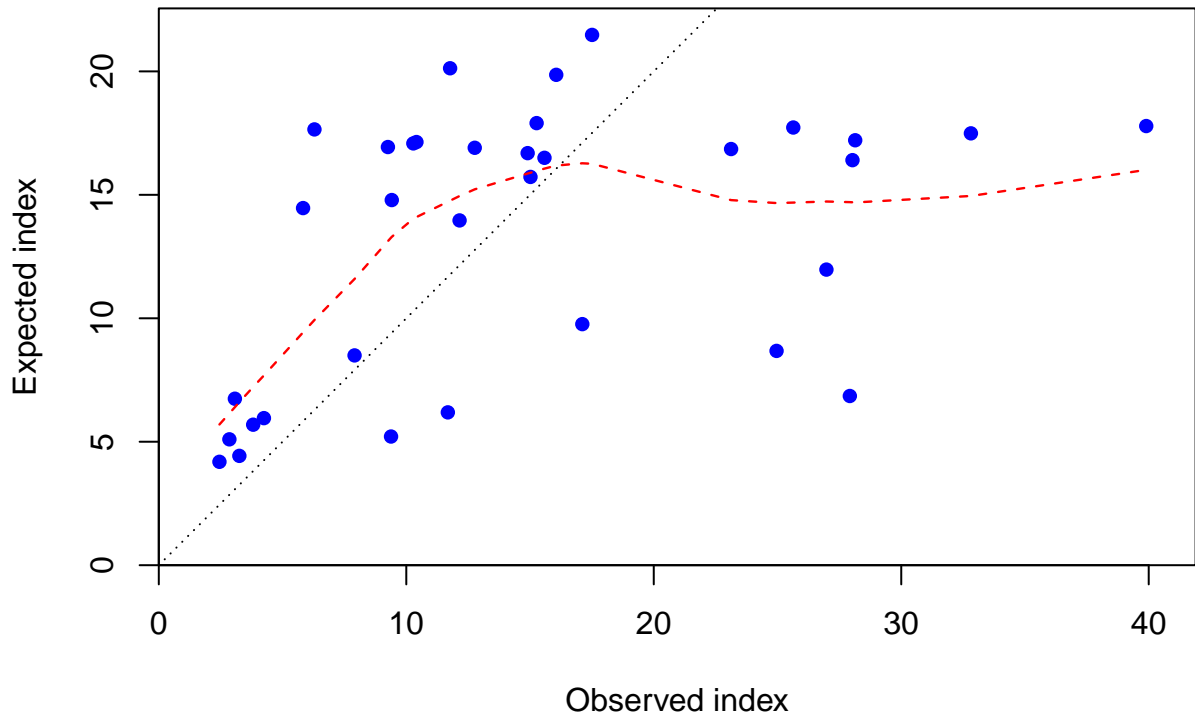


Fishing intensity: 1-SPR









Log index

4
3
2
1
0

1990

1995

2000

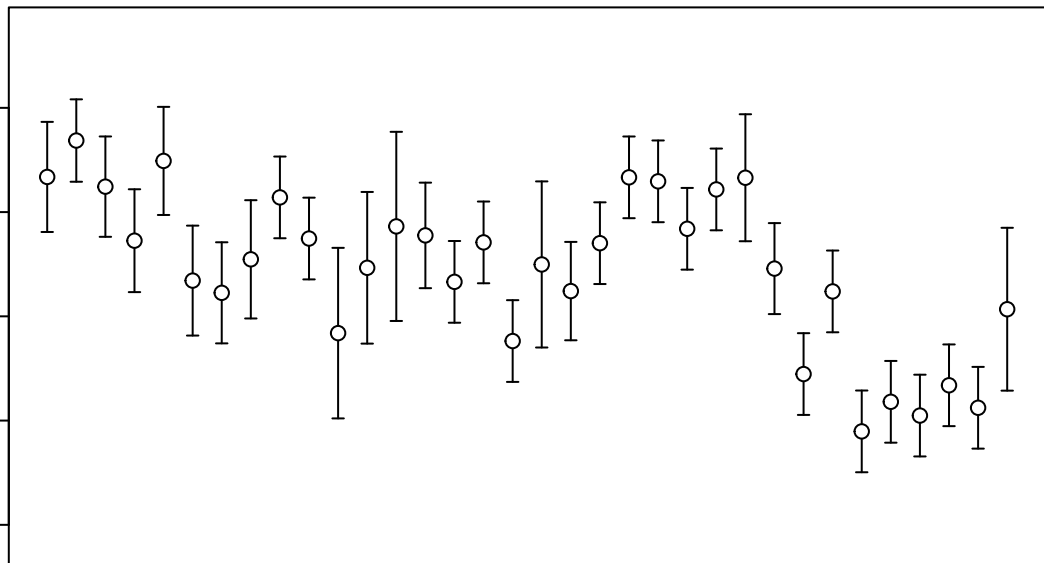
2005

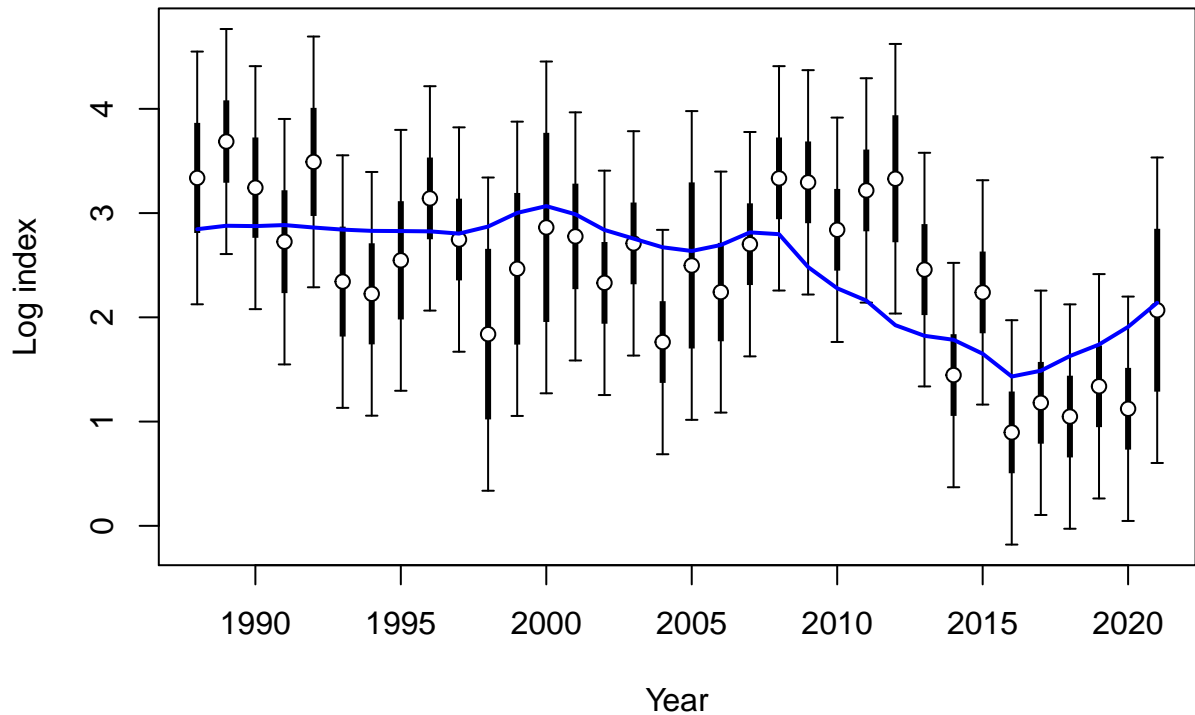
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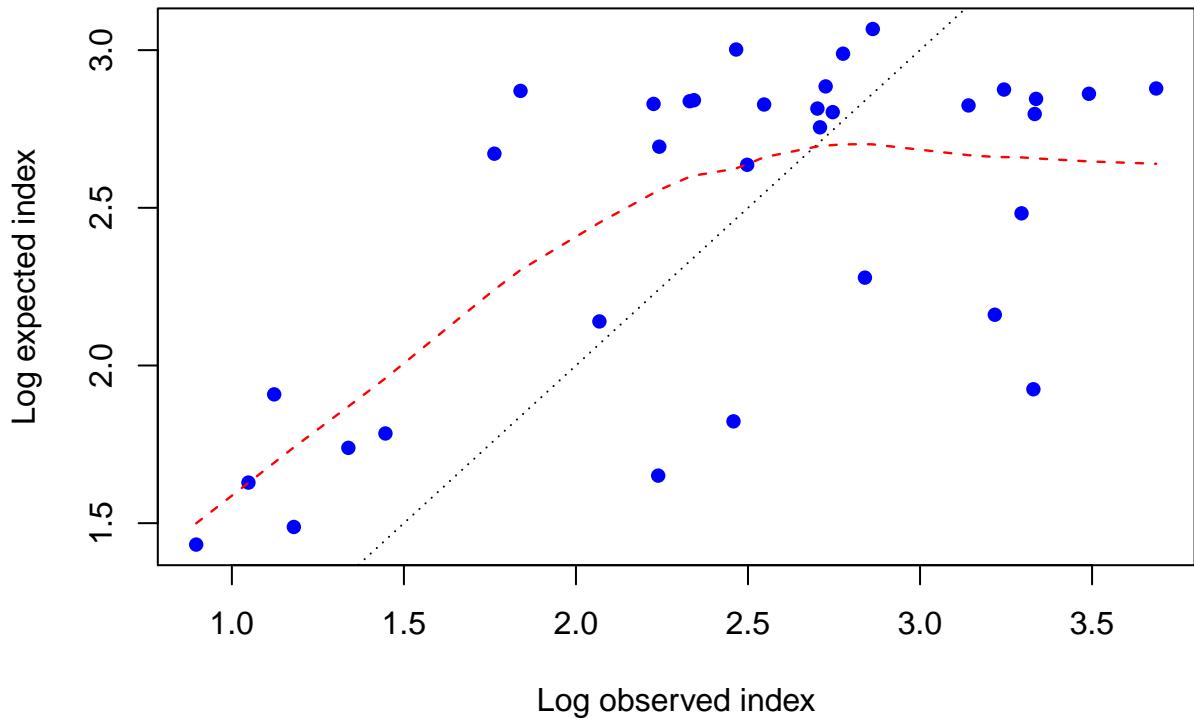
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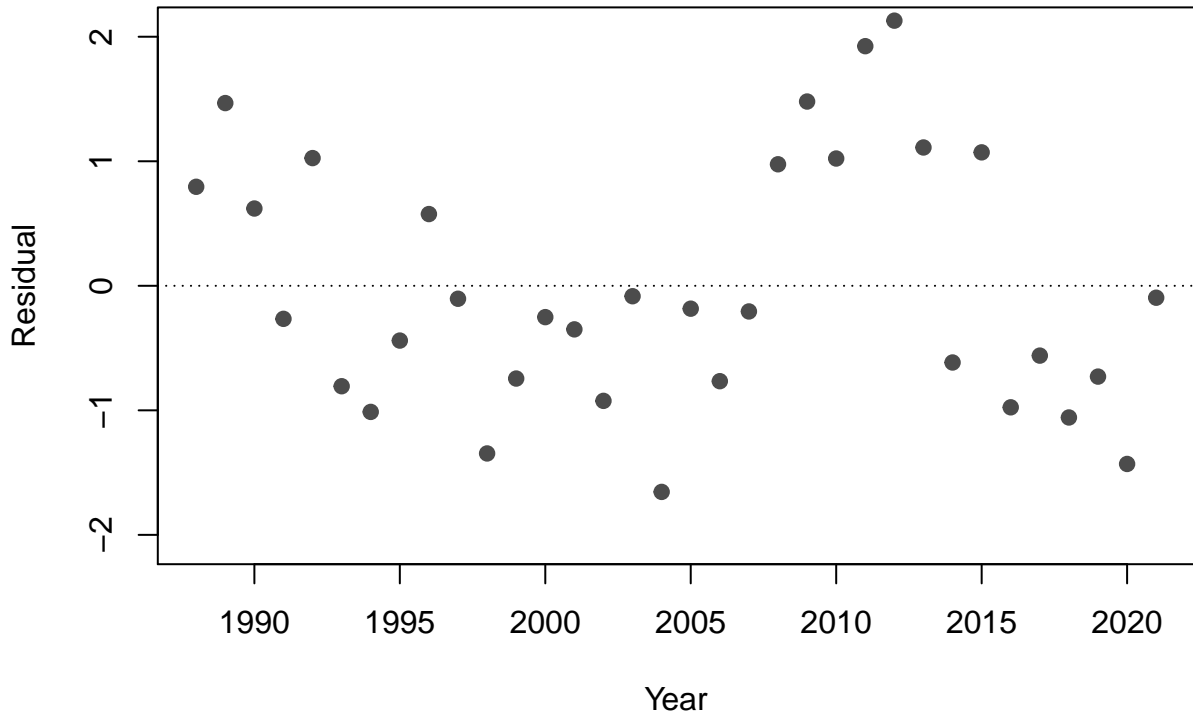
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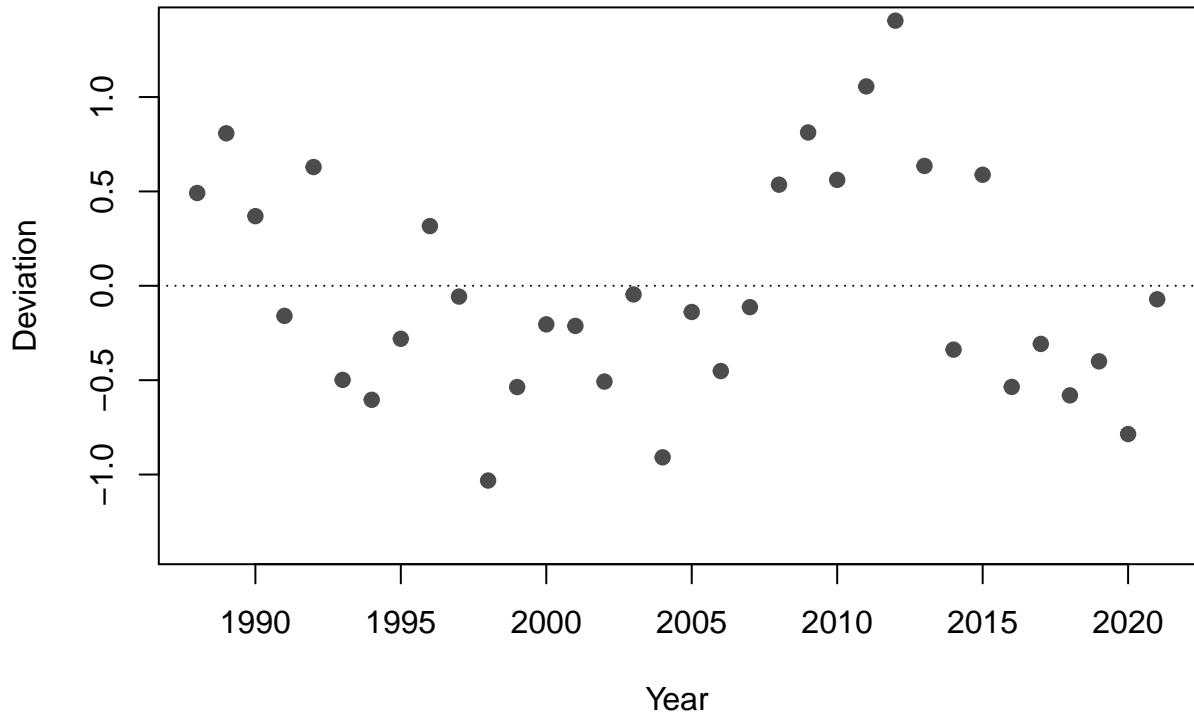
Year

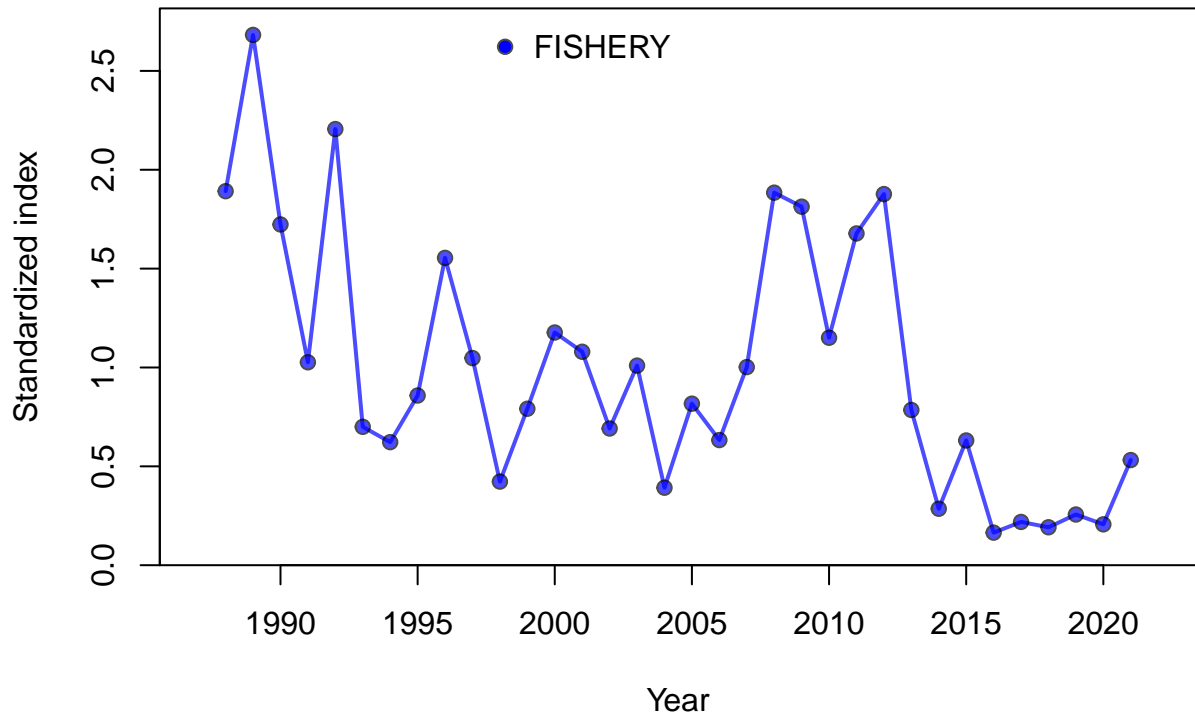


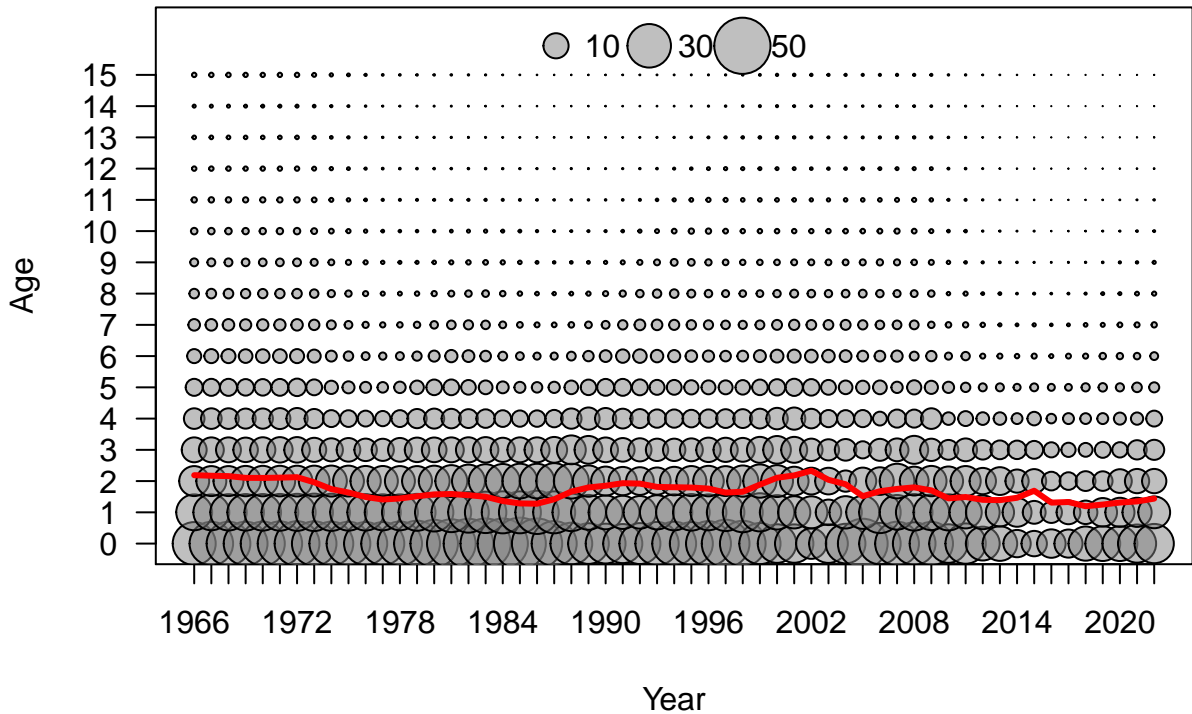


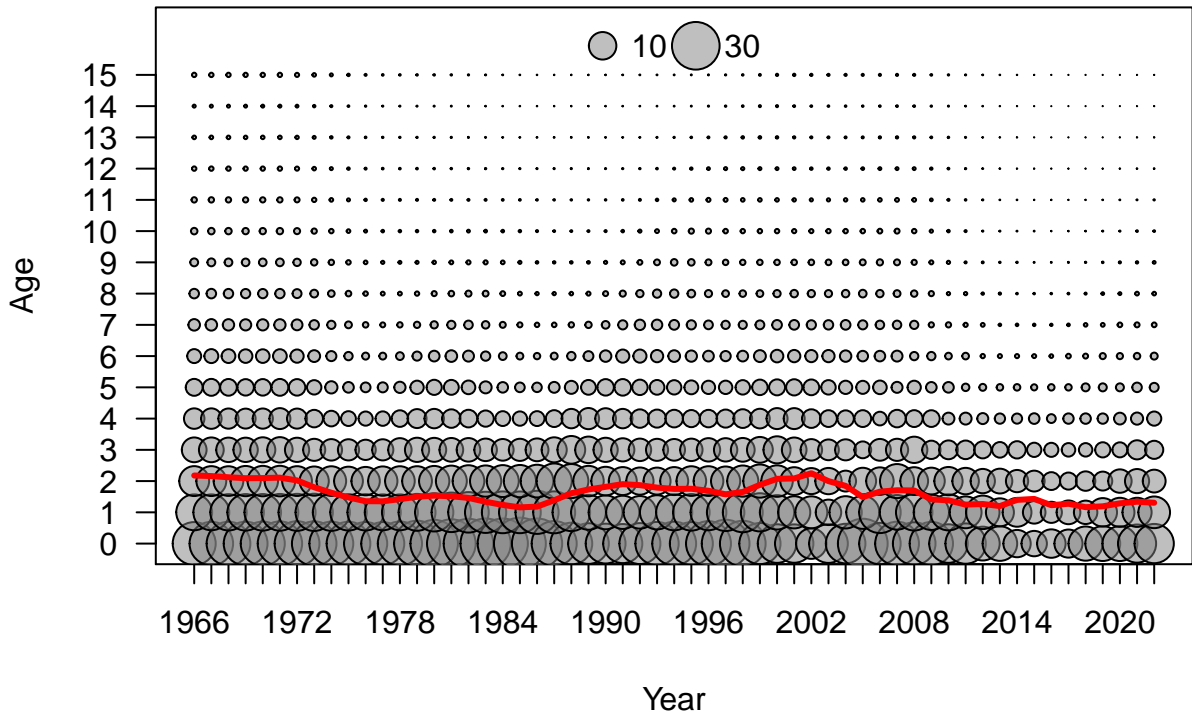


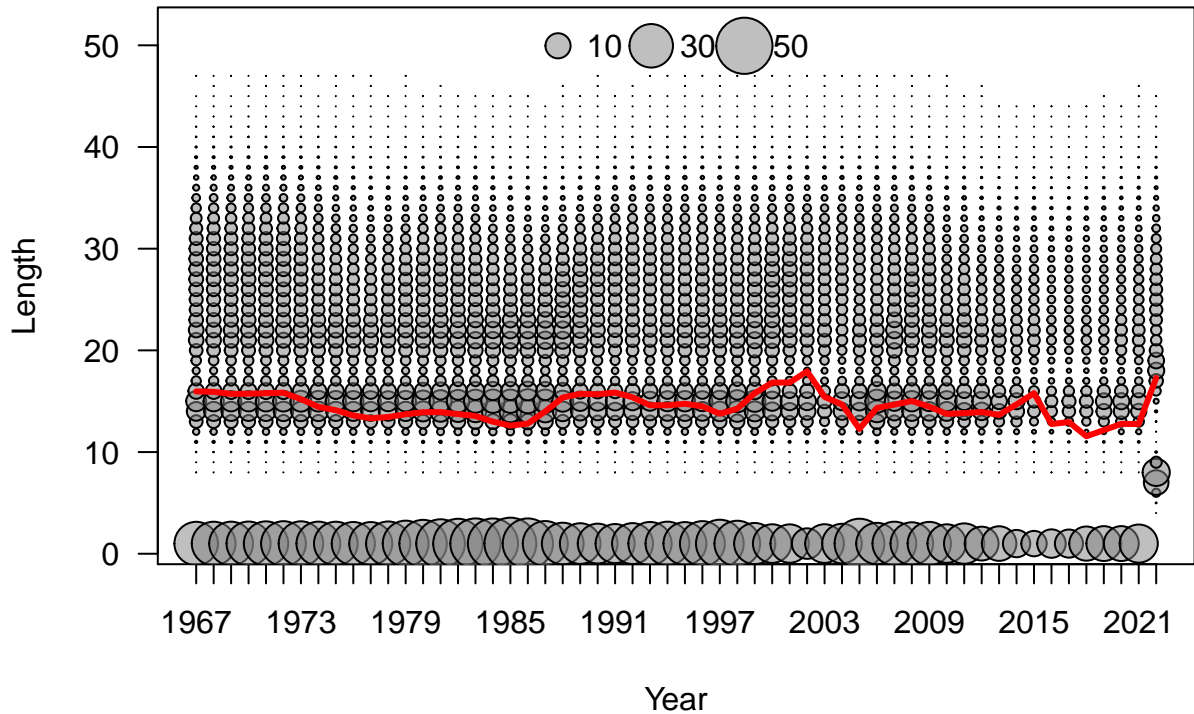


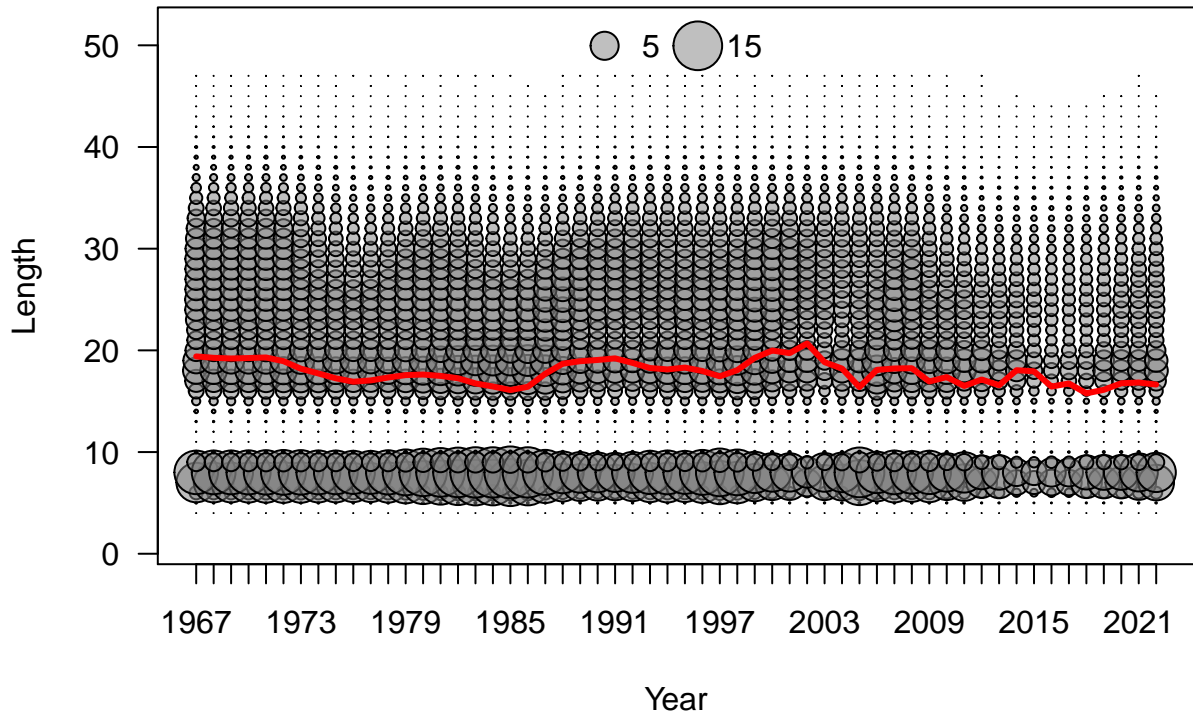


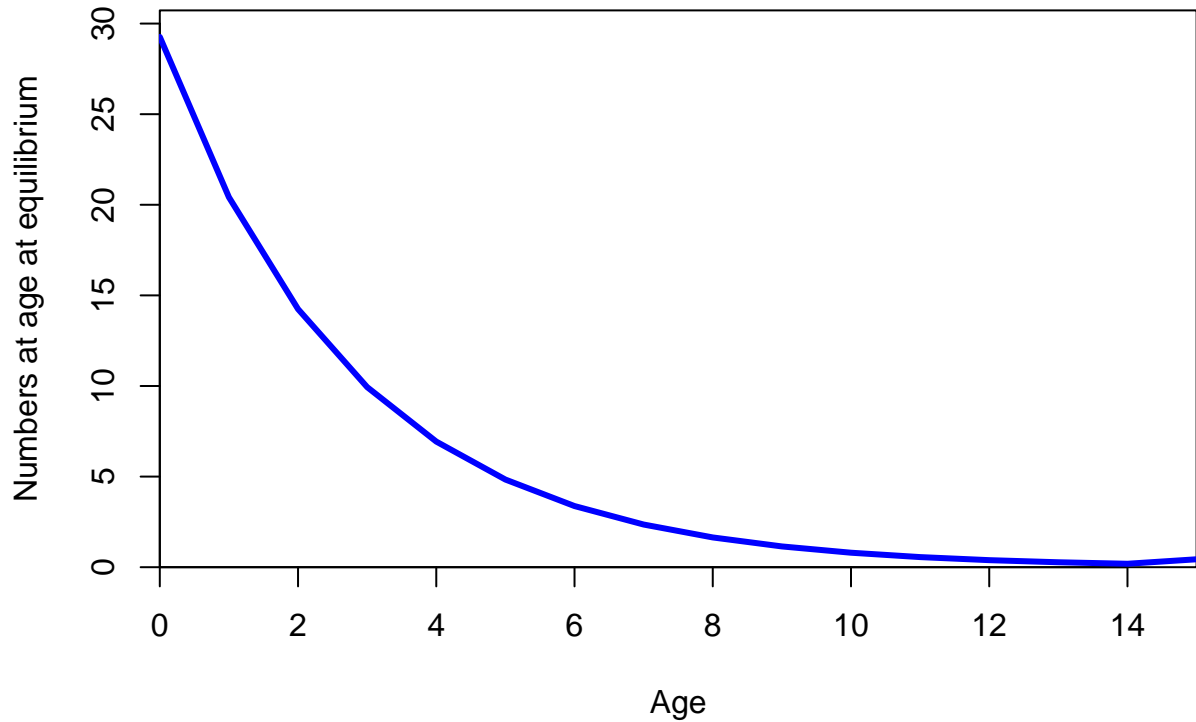






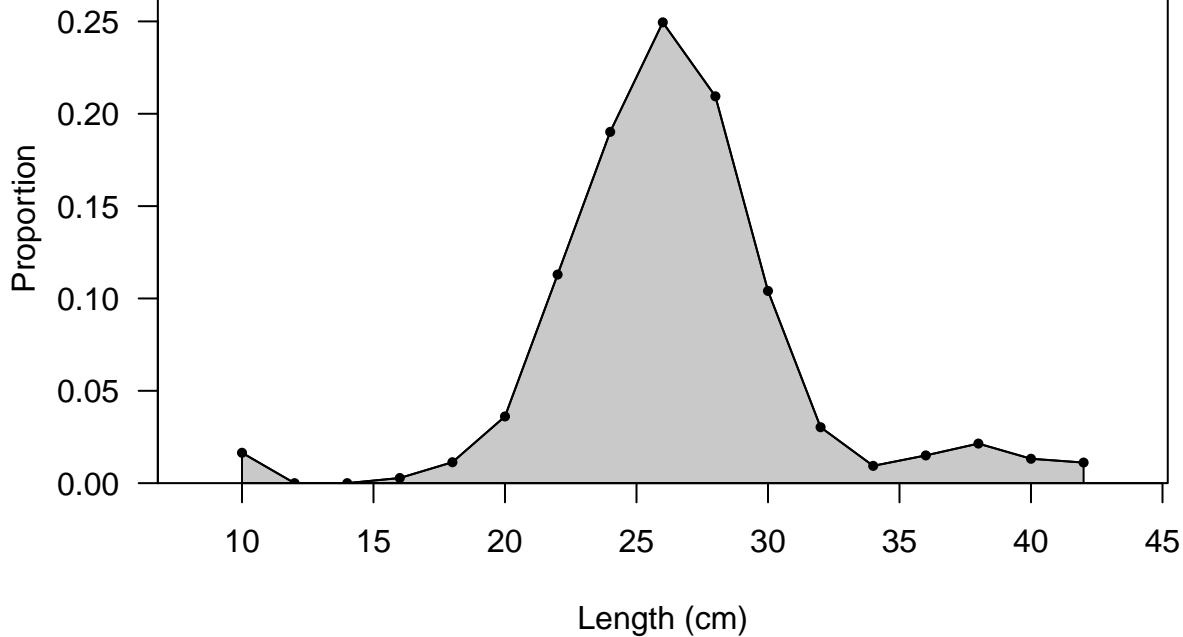


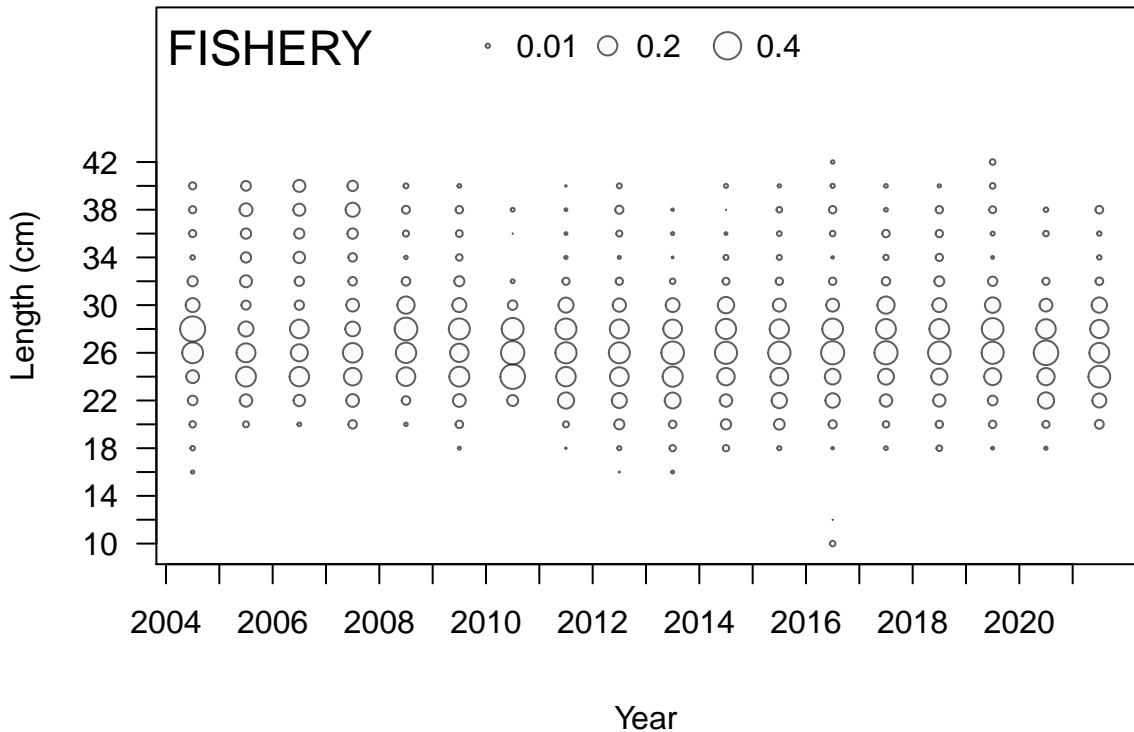


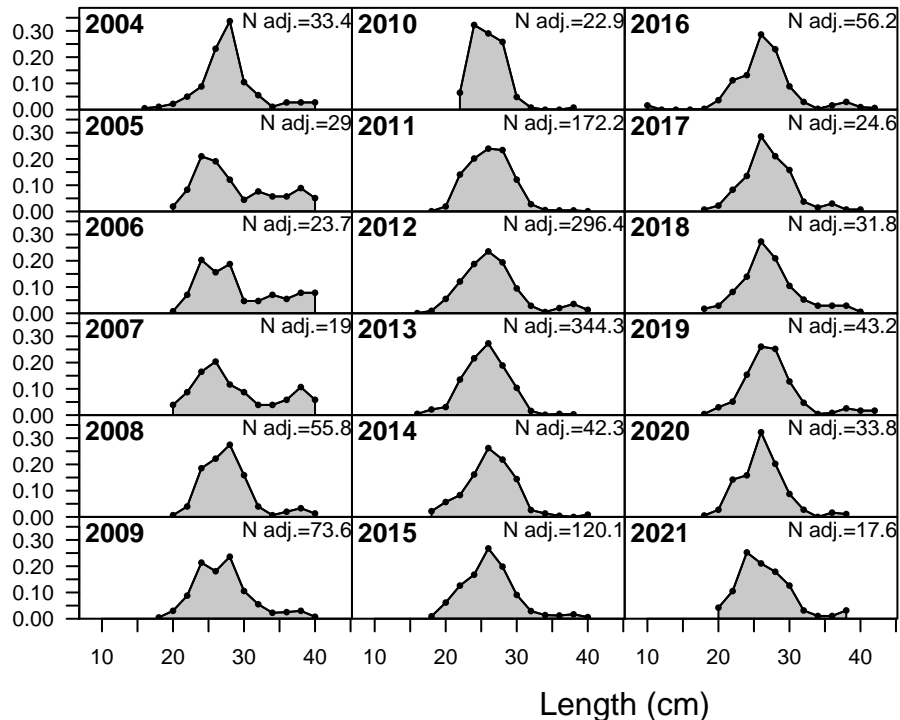


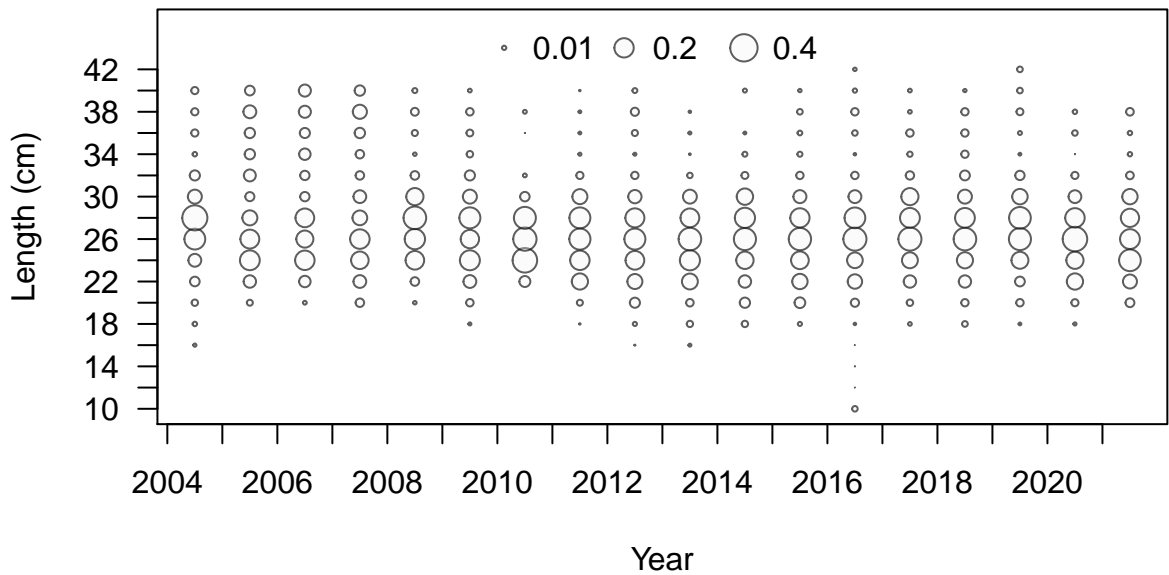
FISHERY

Sum of N adj.=1440

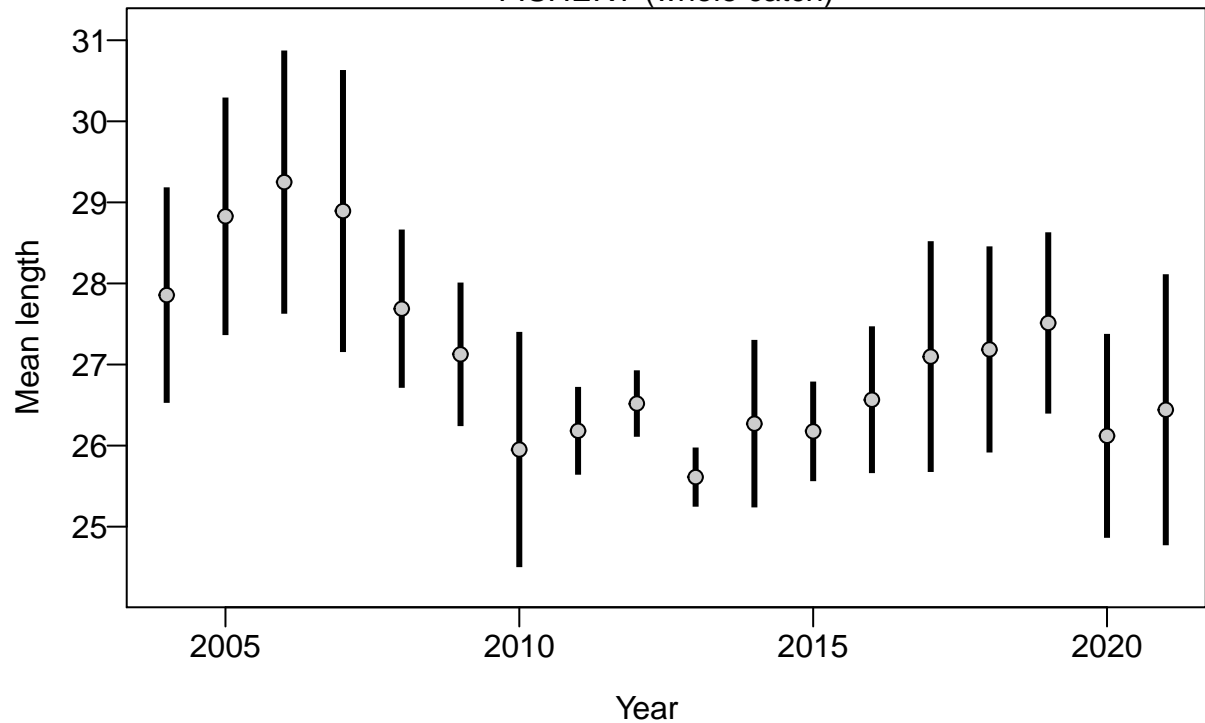






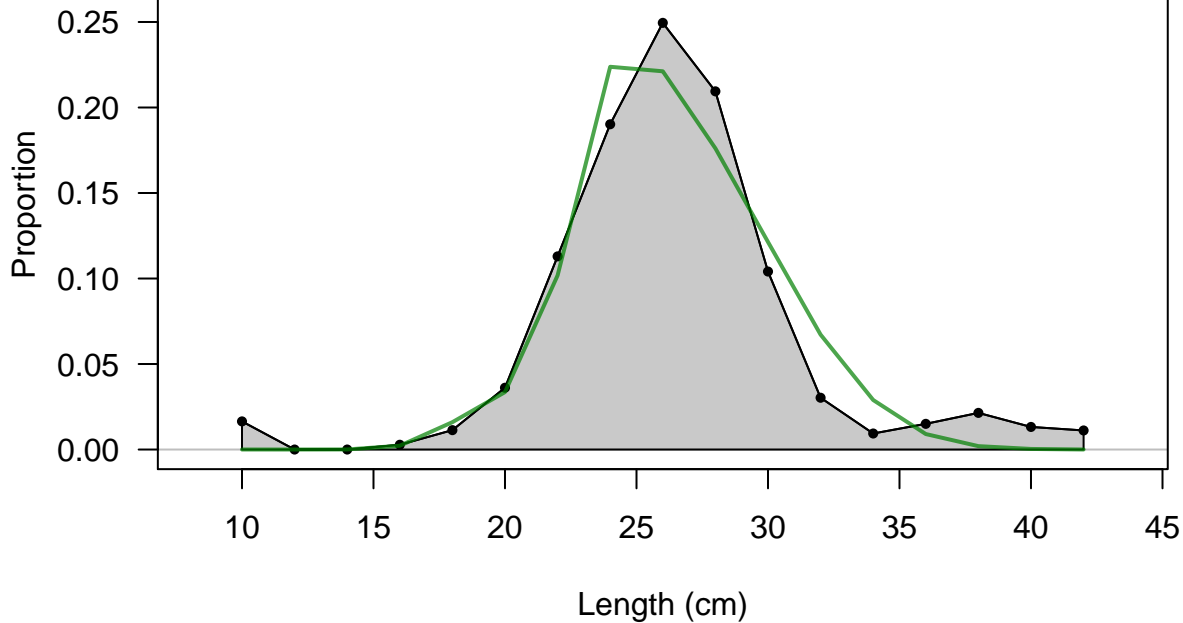


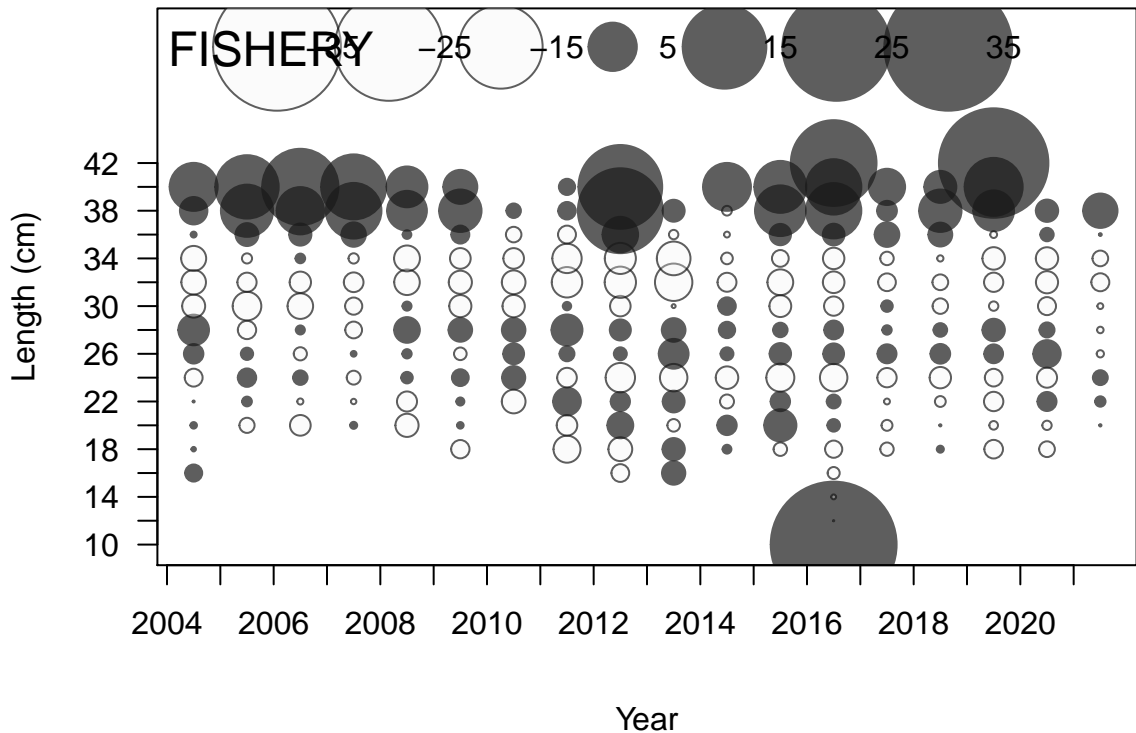
FISHERY (whole catch)

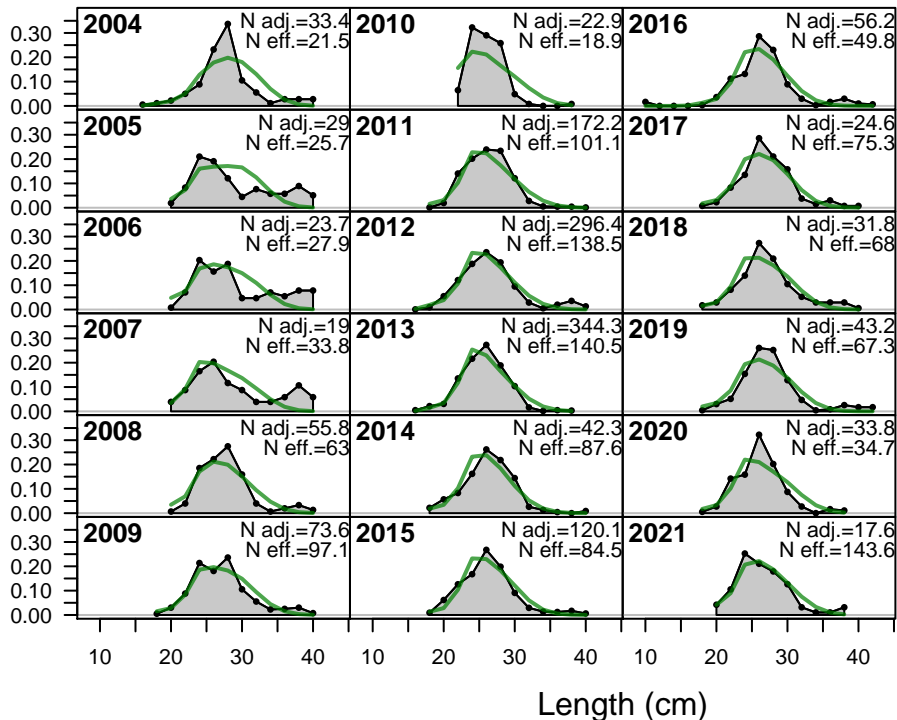


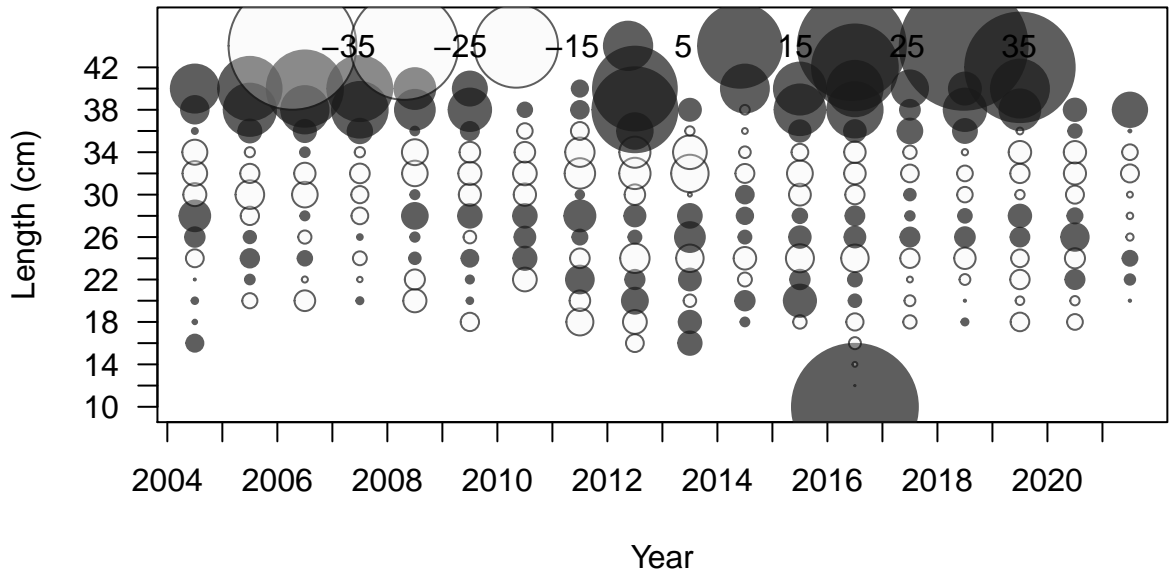
FISHERY

Sum of N adj.=1440
Sum of N eff.=1279.1

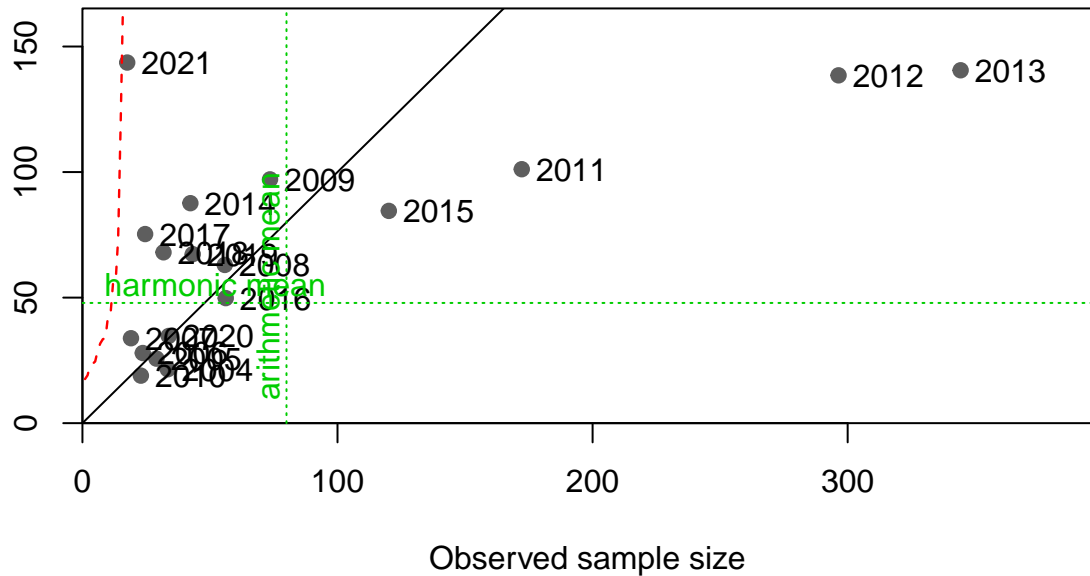




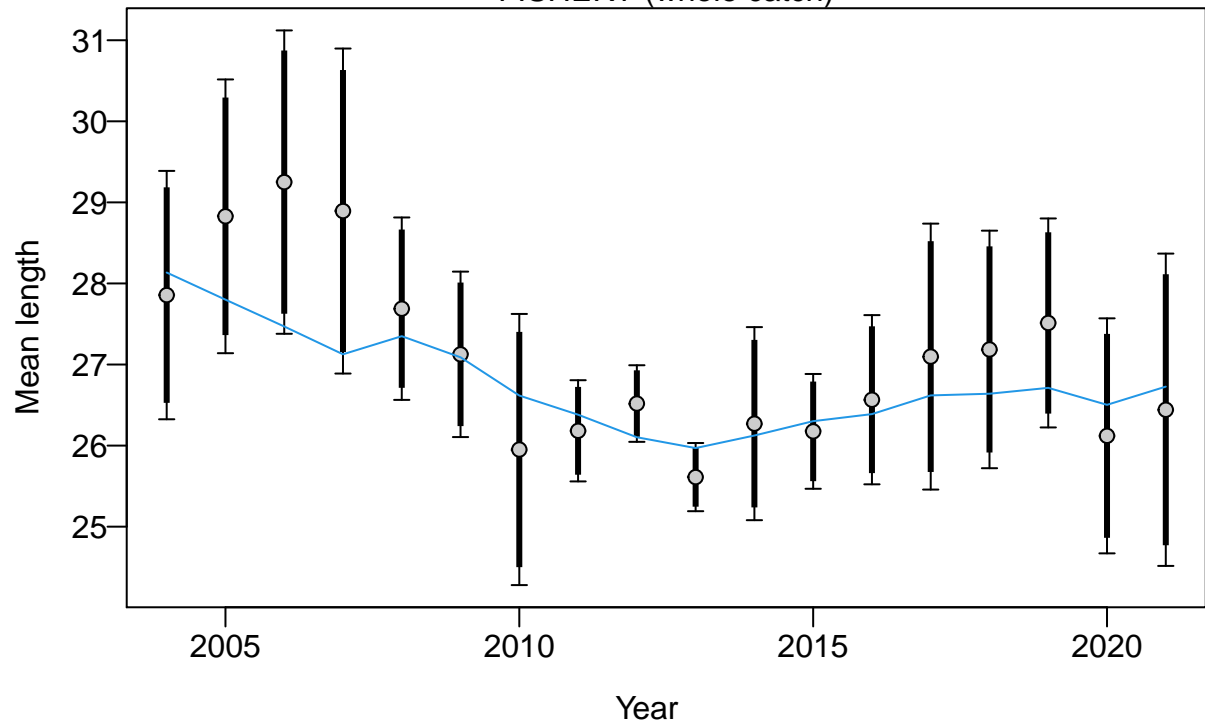


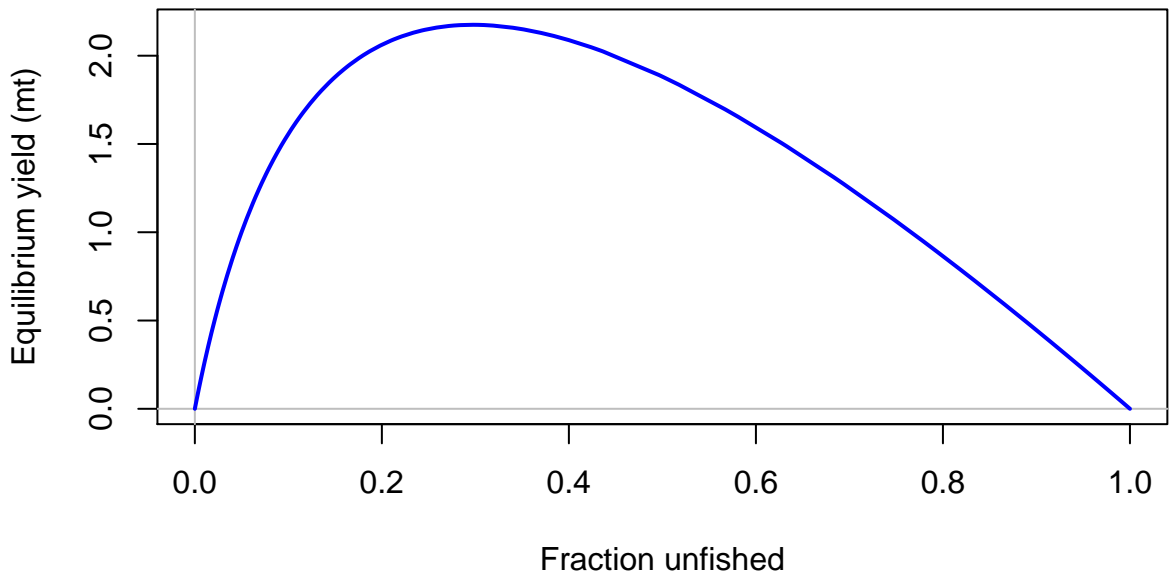


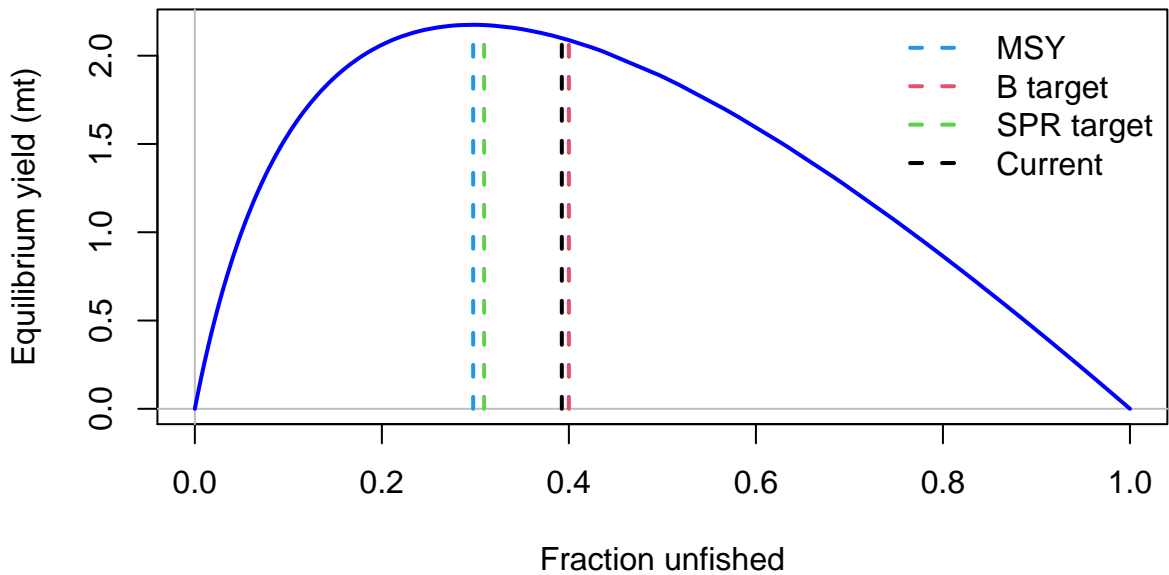
Effective sample size

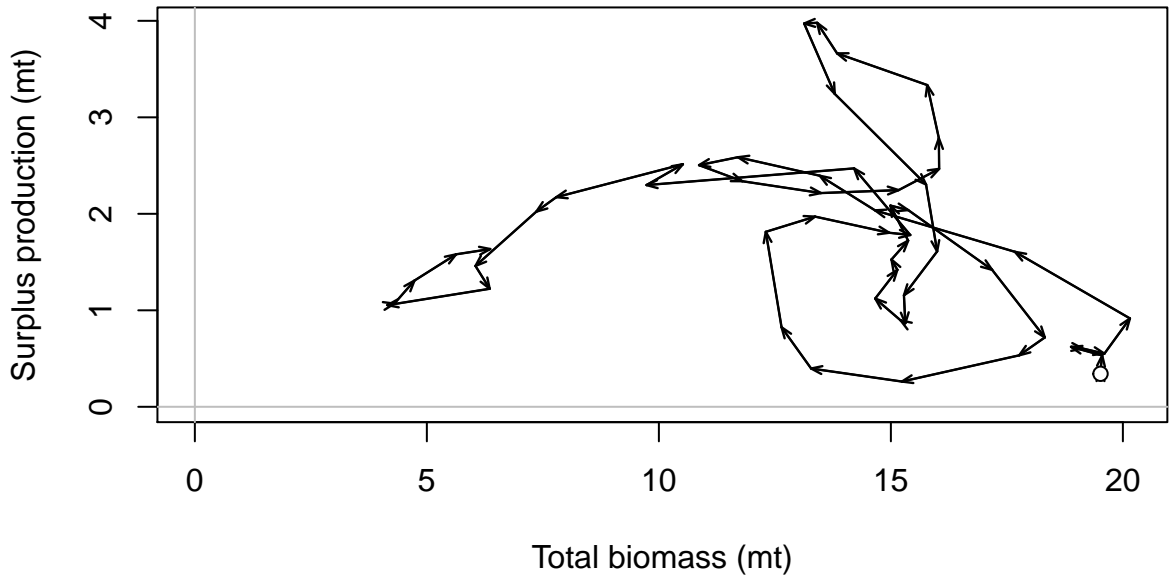


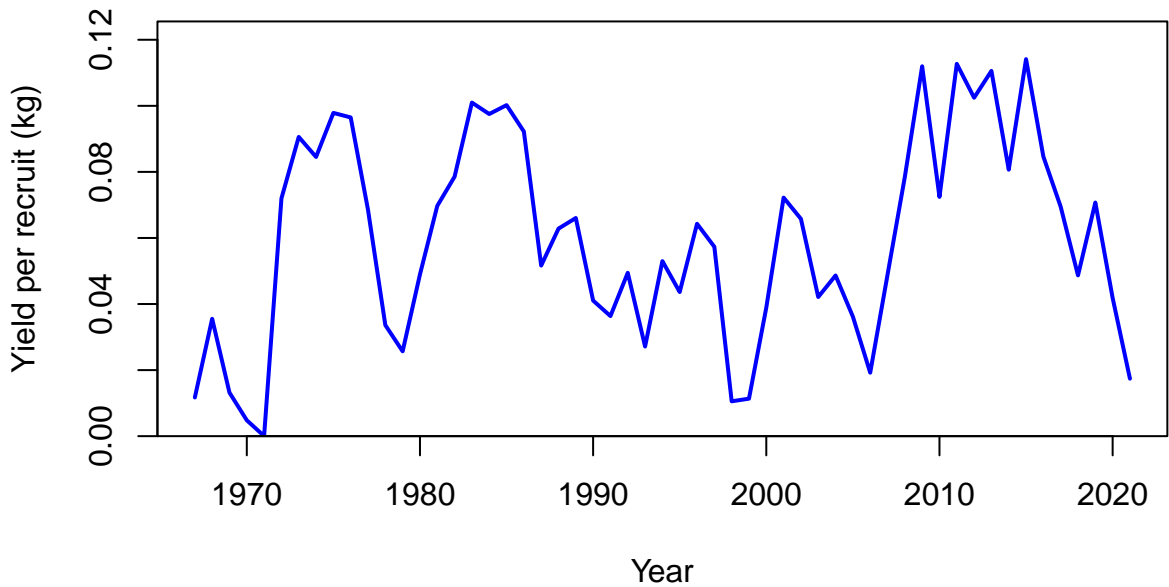
FISHERY (whole catch)

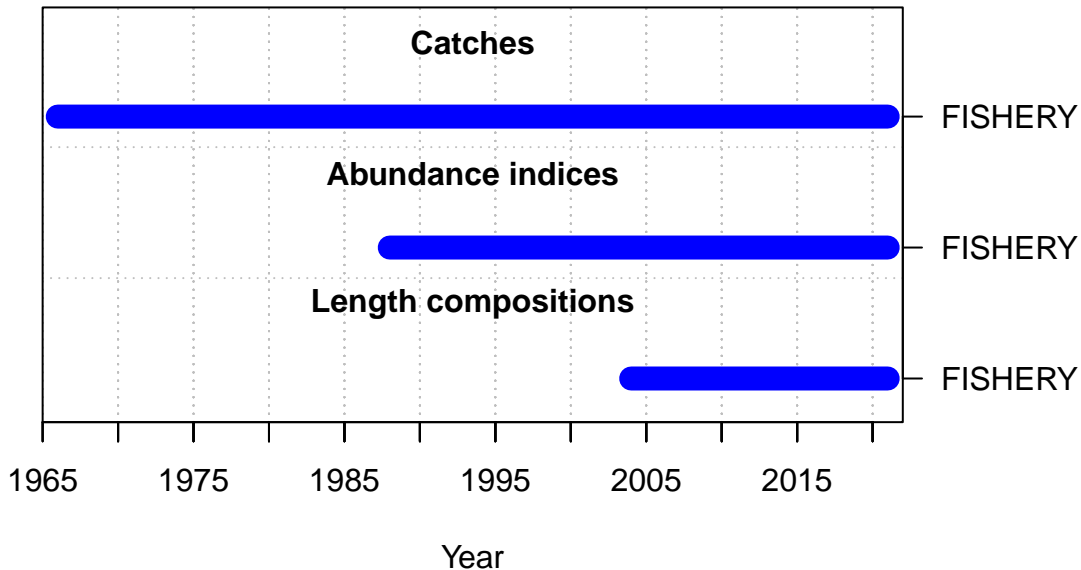


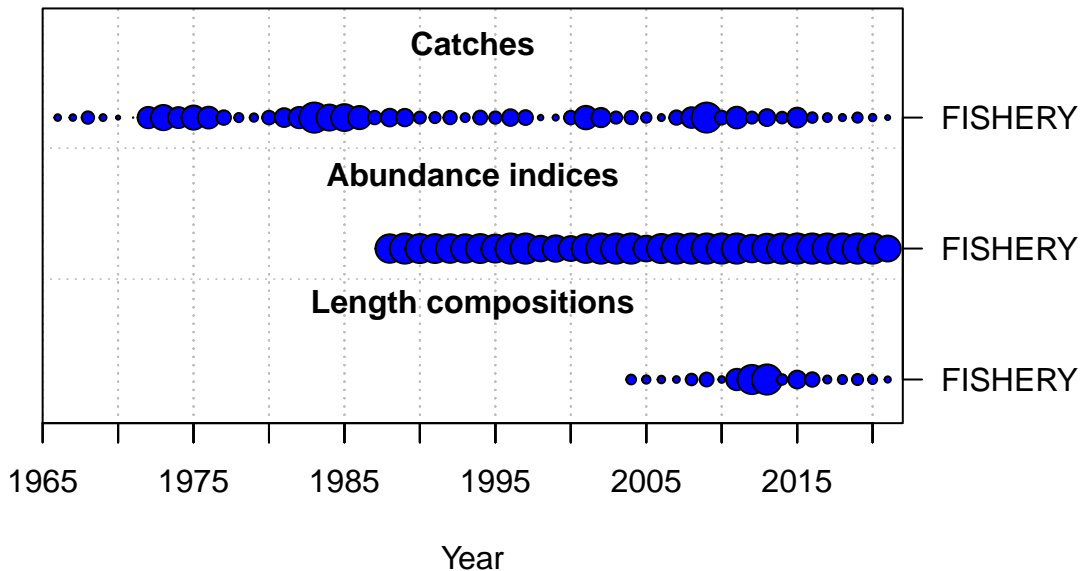




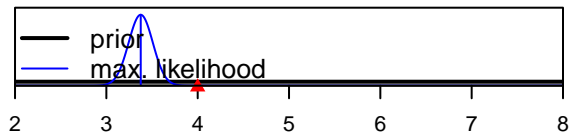




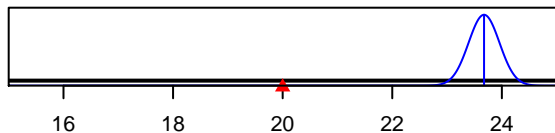




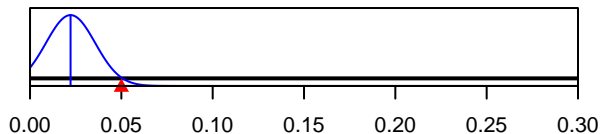
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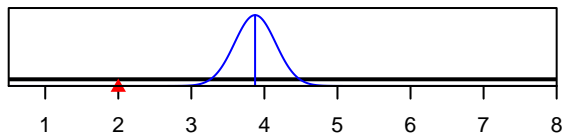
Size_inflection_FISHERY(1)



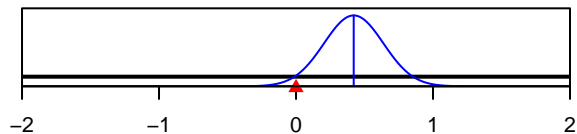
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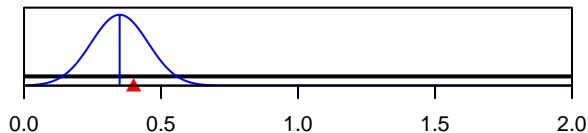
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



Q_extraSD_FISHERY(1)



Parameter value