

Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Wed Jul 06 09:20:38 2022
Data_File: data.ss
Control_File: control.ss

Length (cm, beginning of the year)

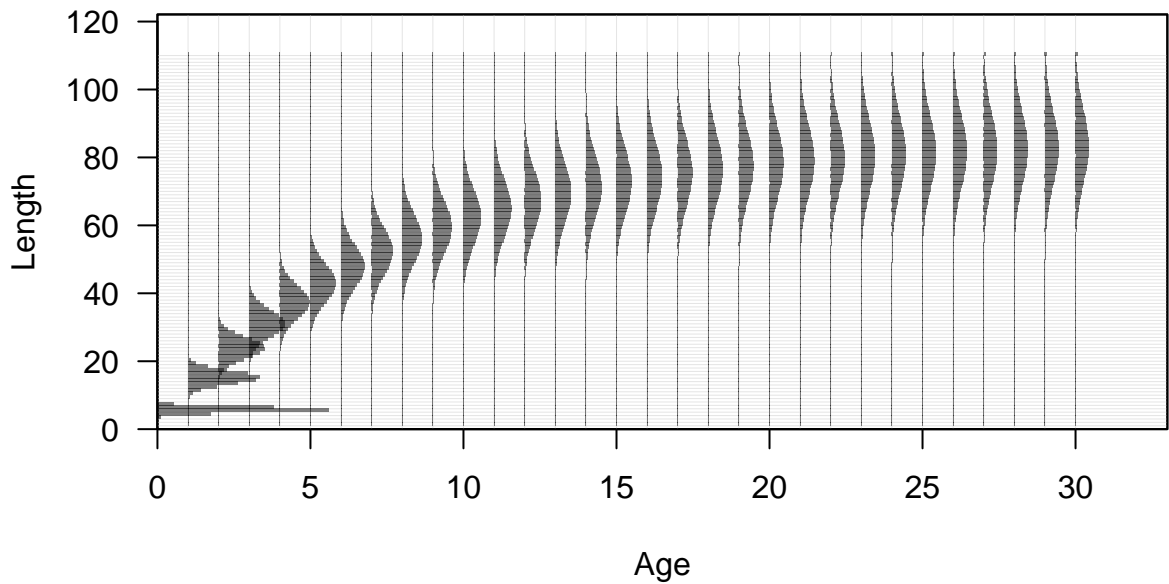


Age (yr)

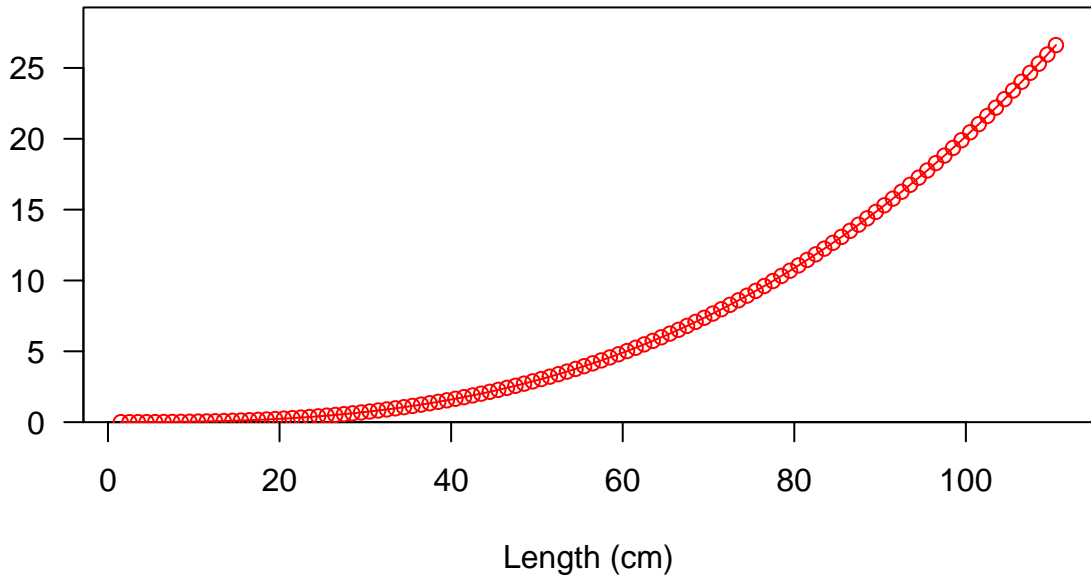






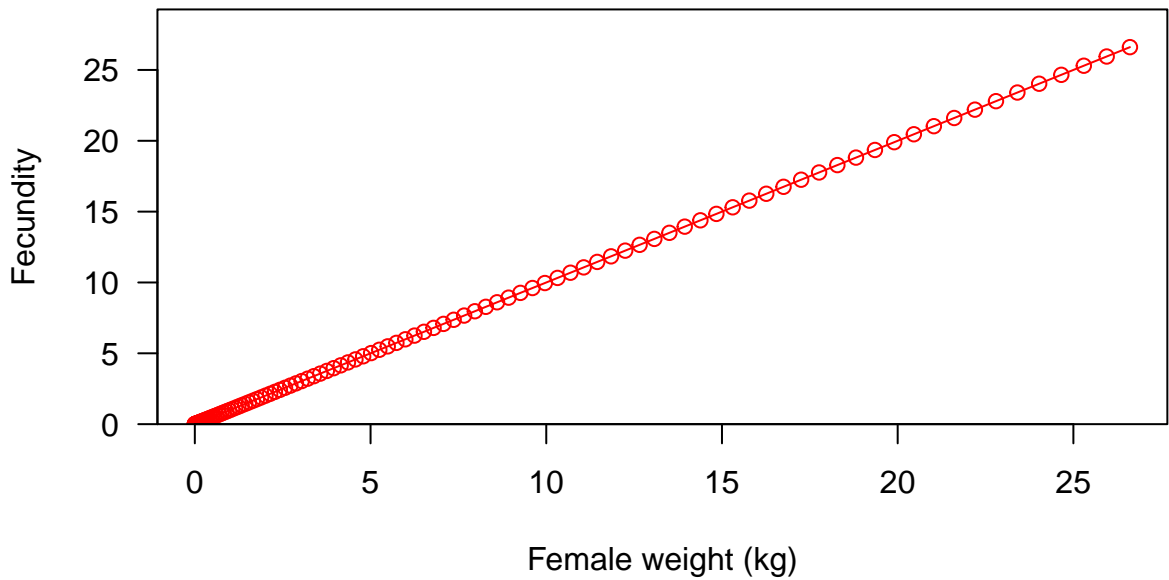


Mean weight (kg) in last year

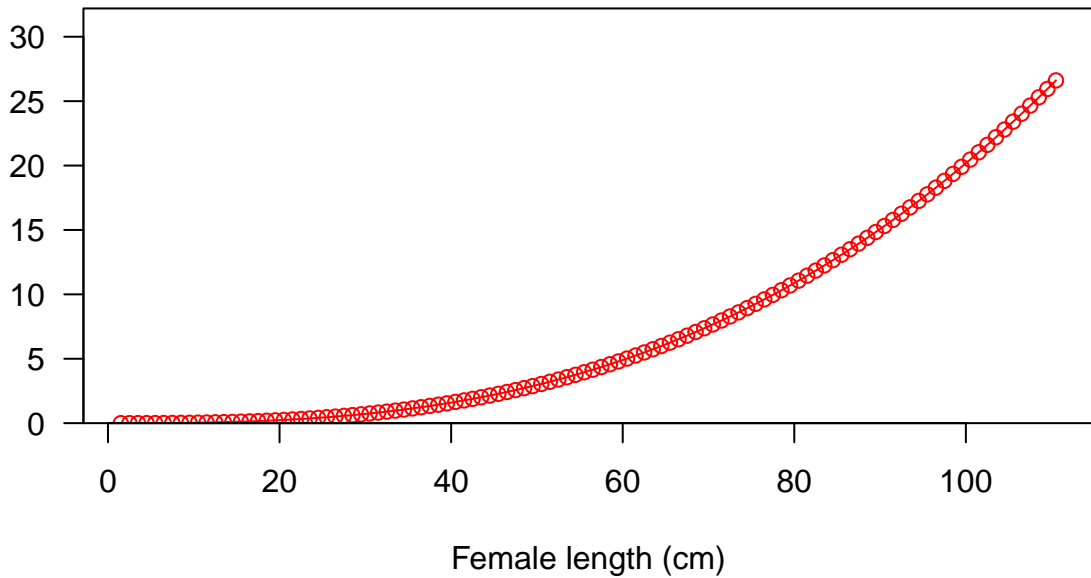








Fecundity



Spawning output

25
20
15
10
5
0

0

20

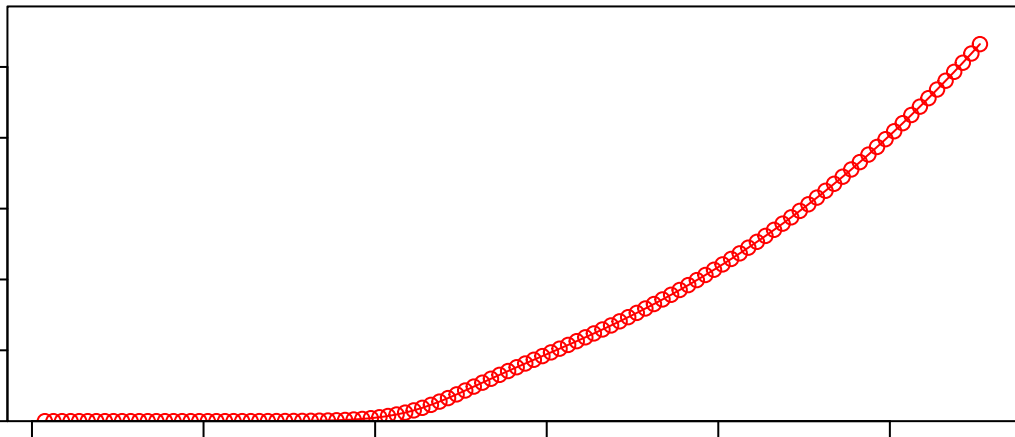
40

60

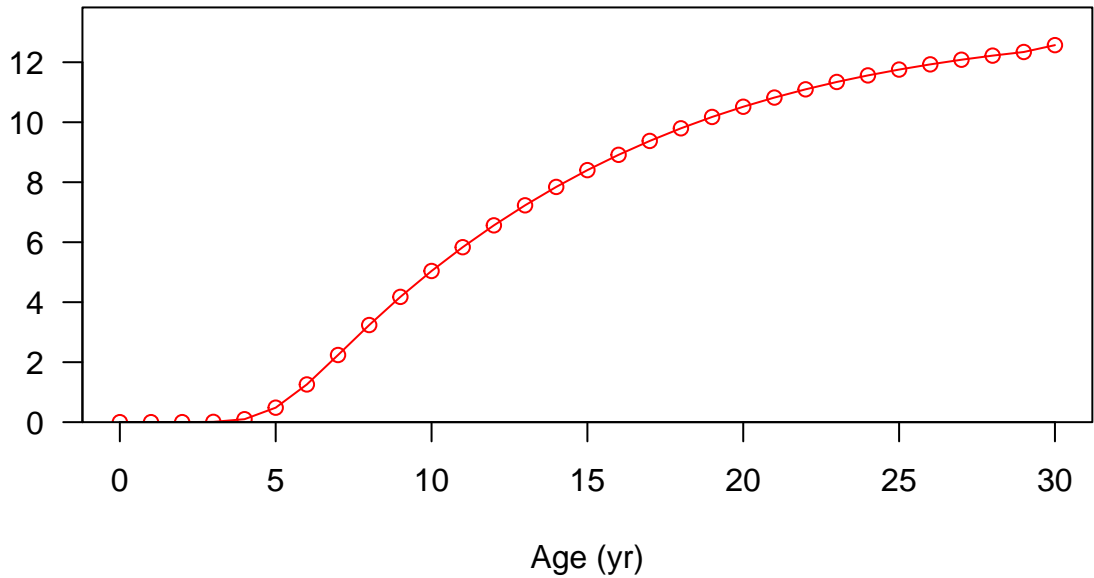
80

100

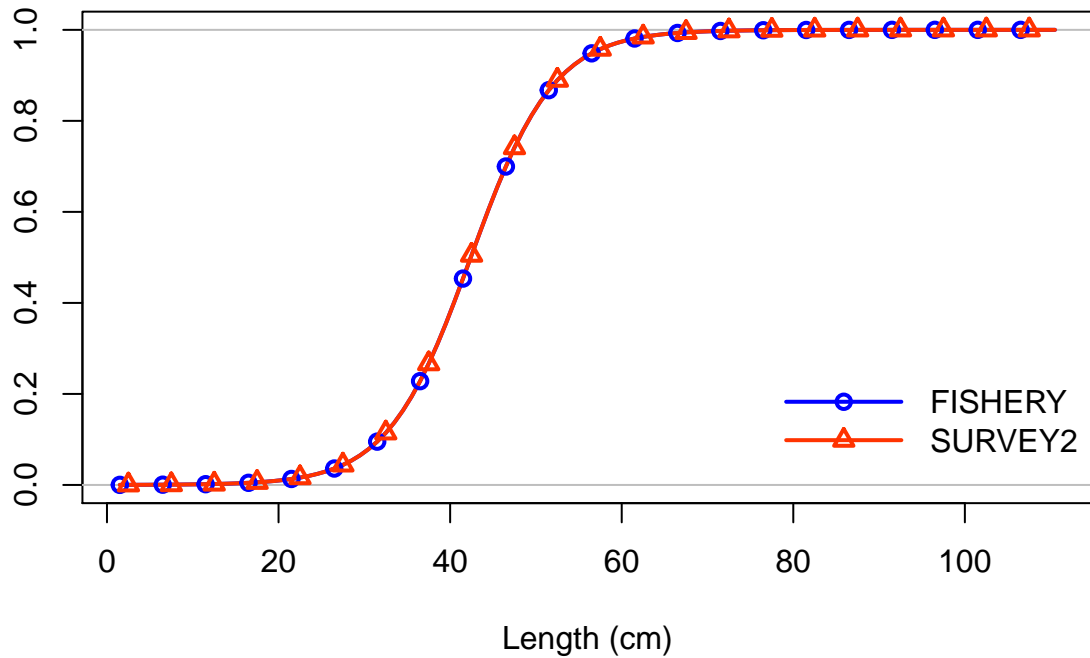
Length (cm)



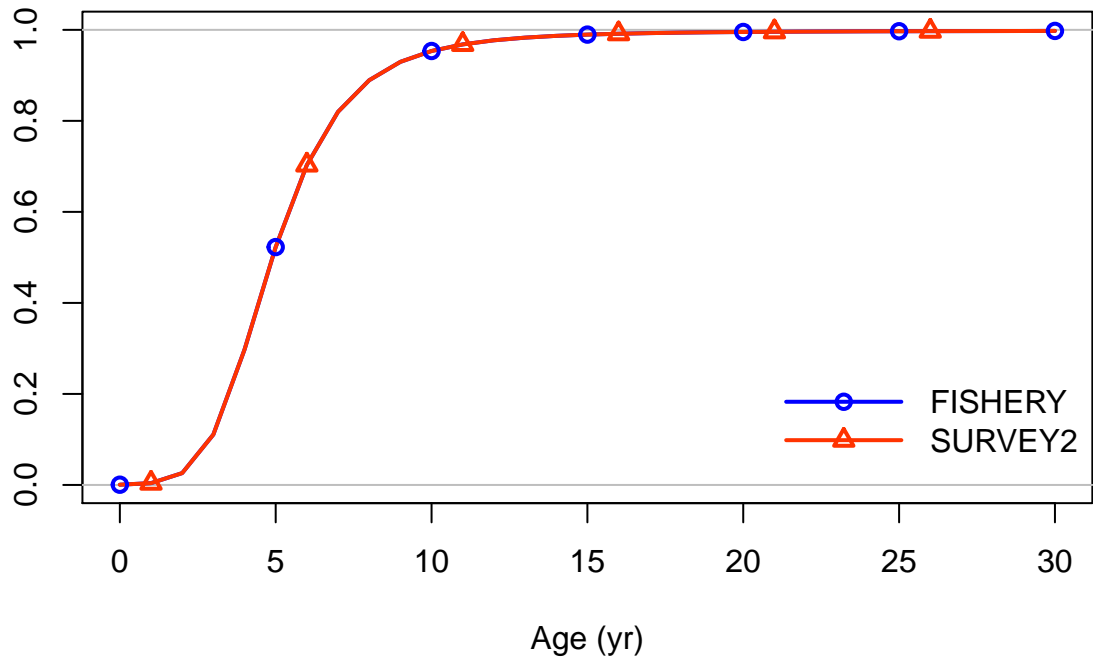
Spawning output



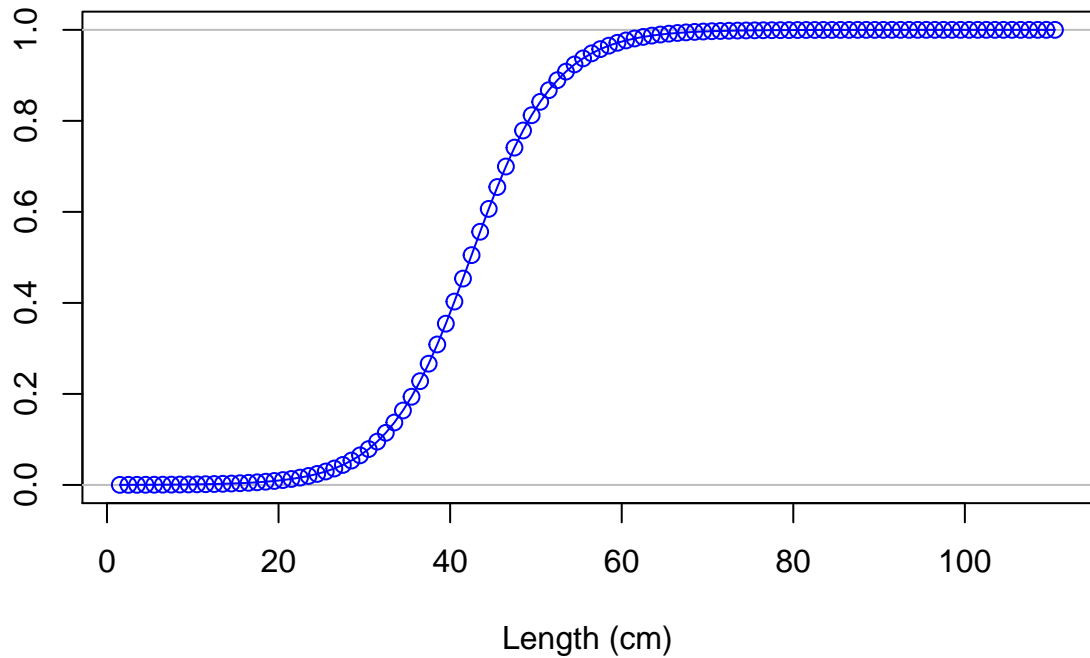
Selectivity



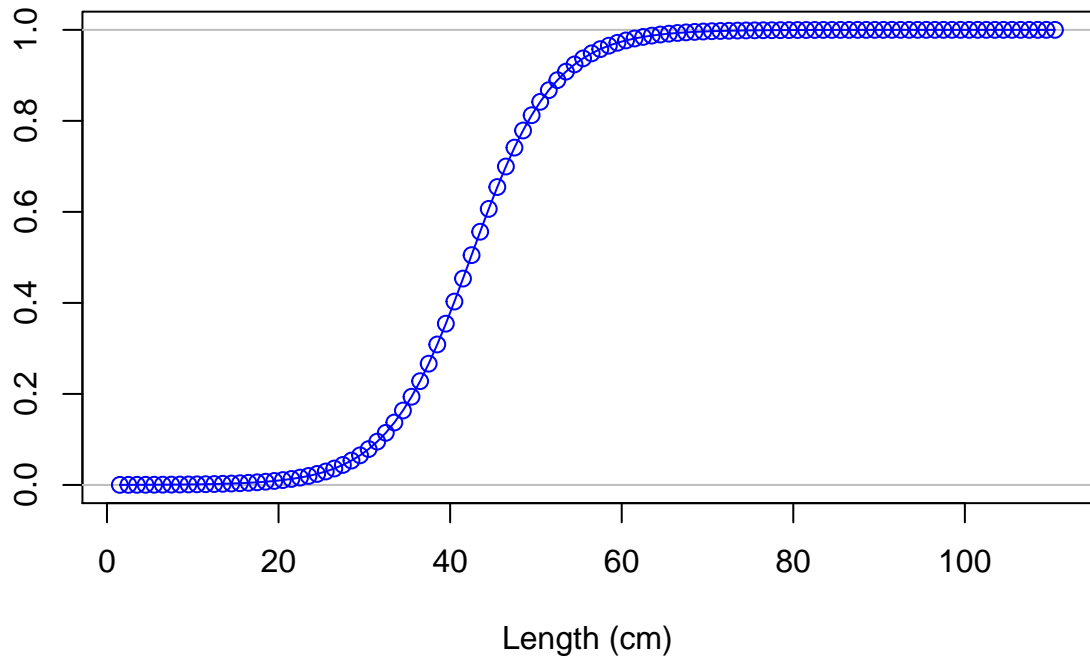
Selectivity

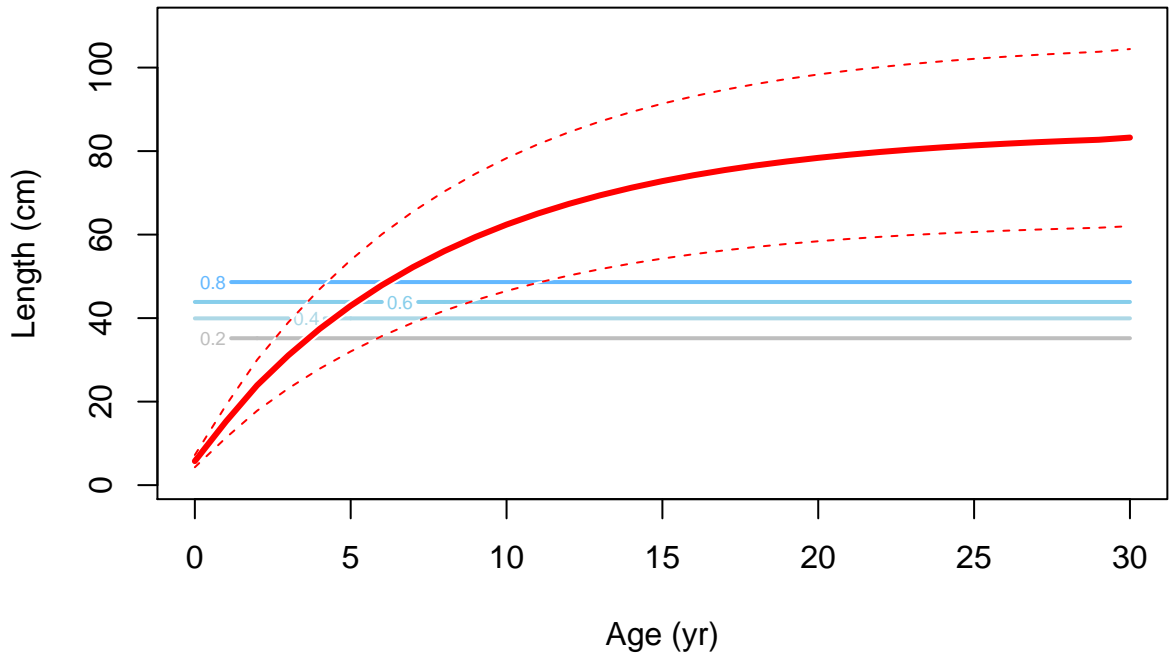


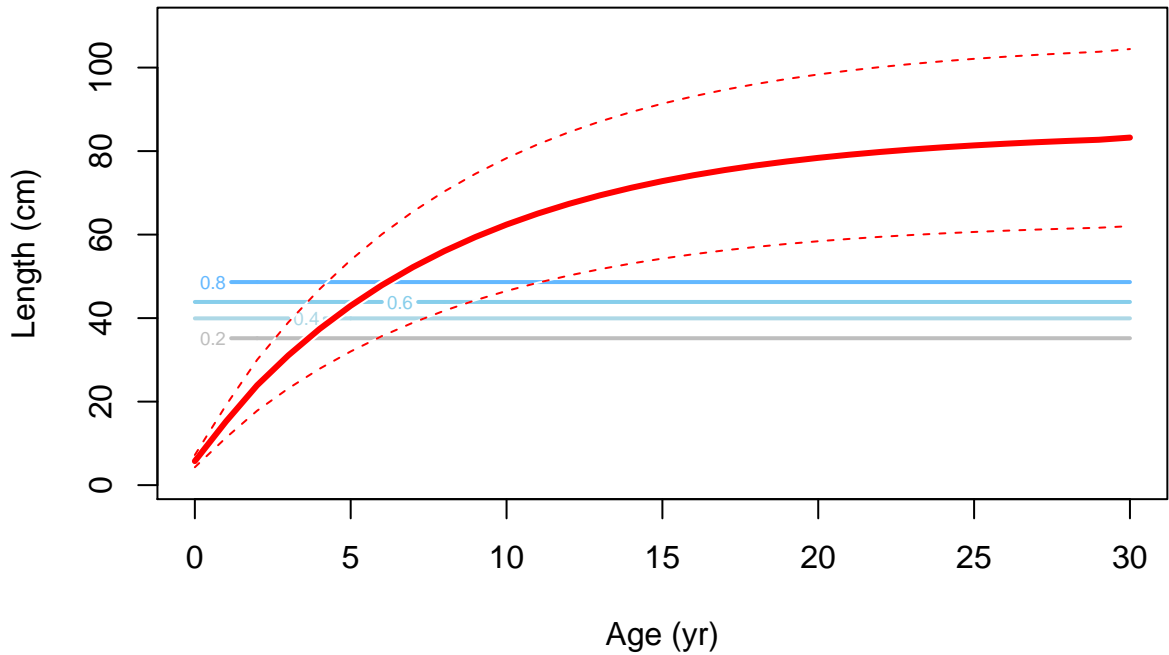
Selectivity



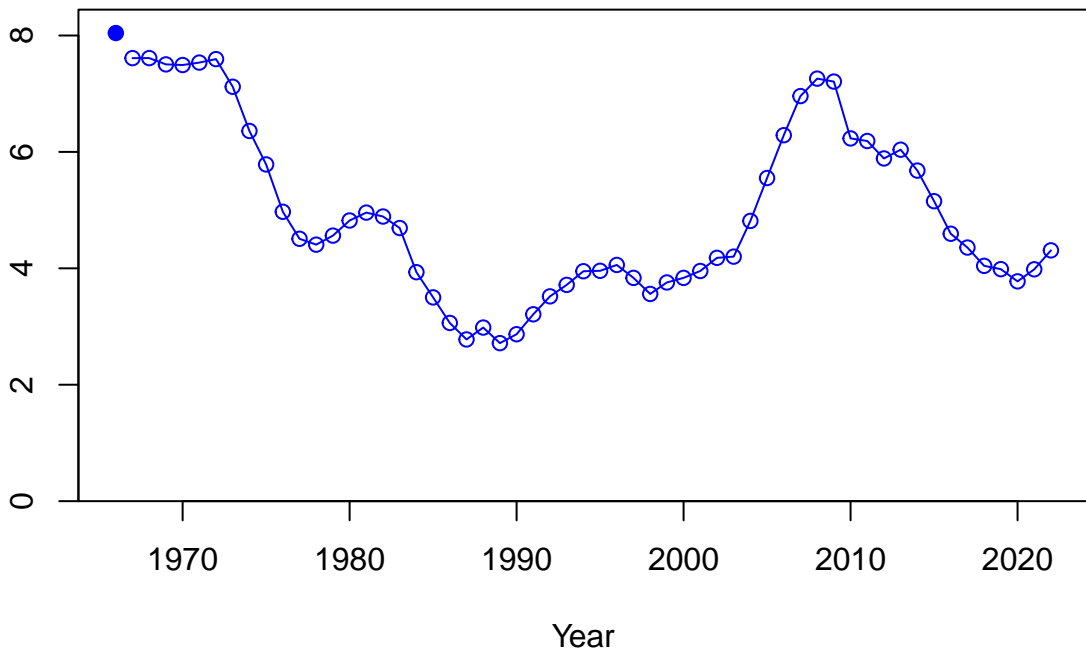
Selectivity

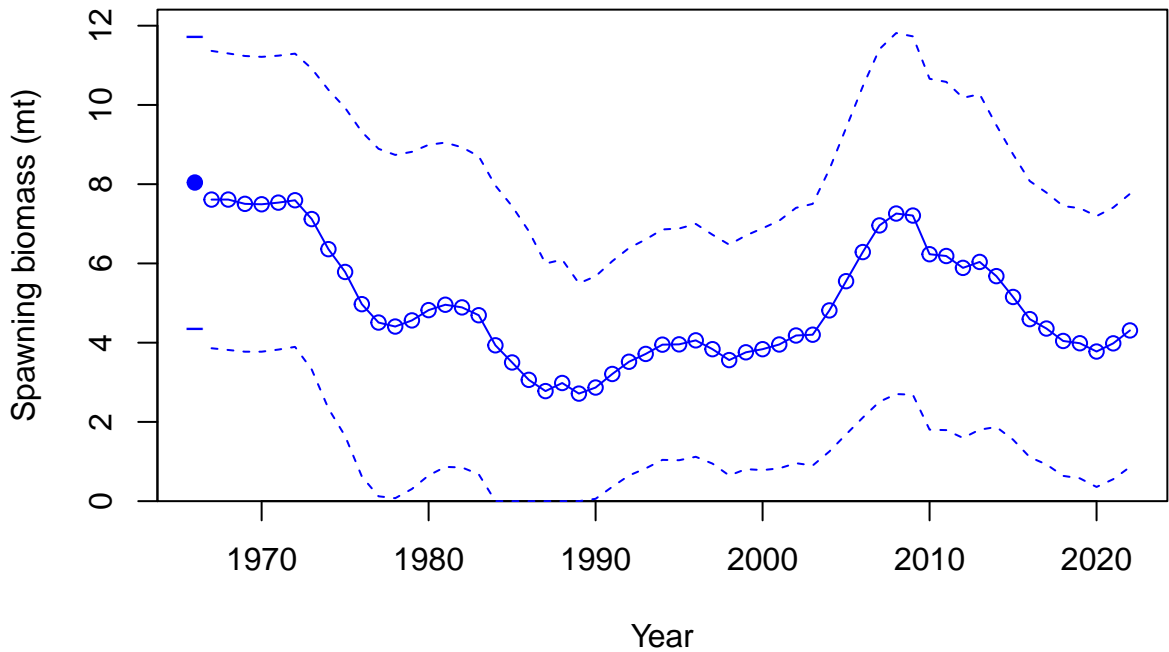




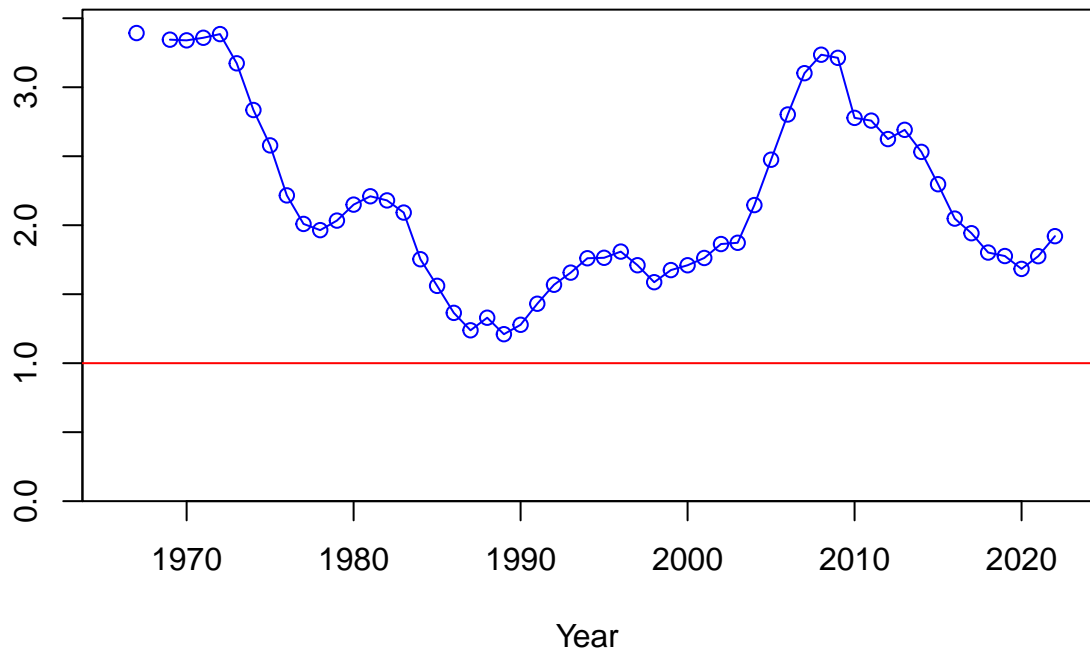


Spawning biomass (mt)

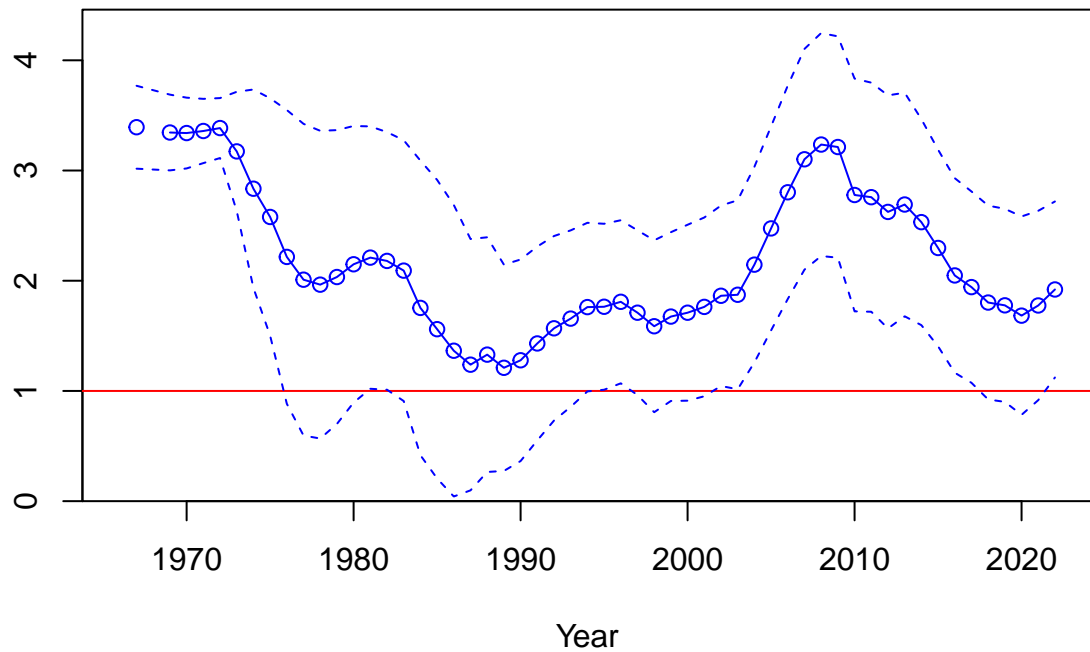


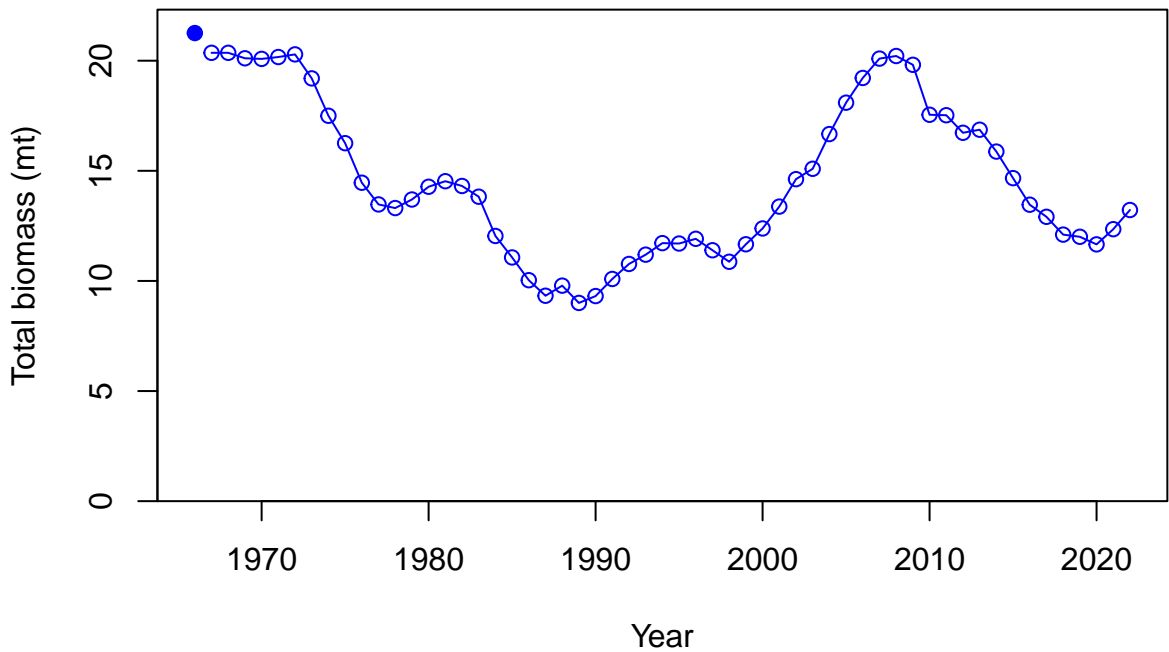


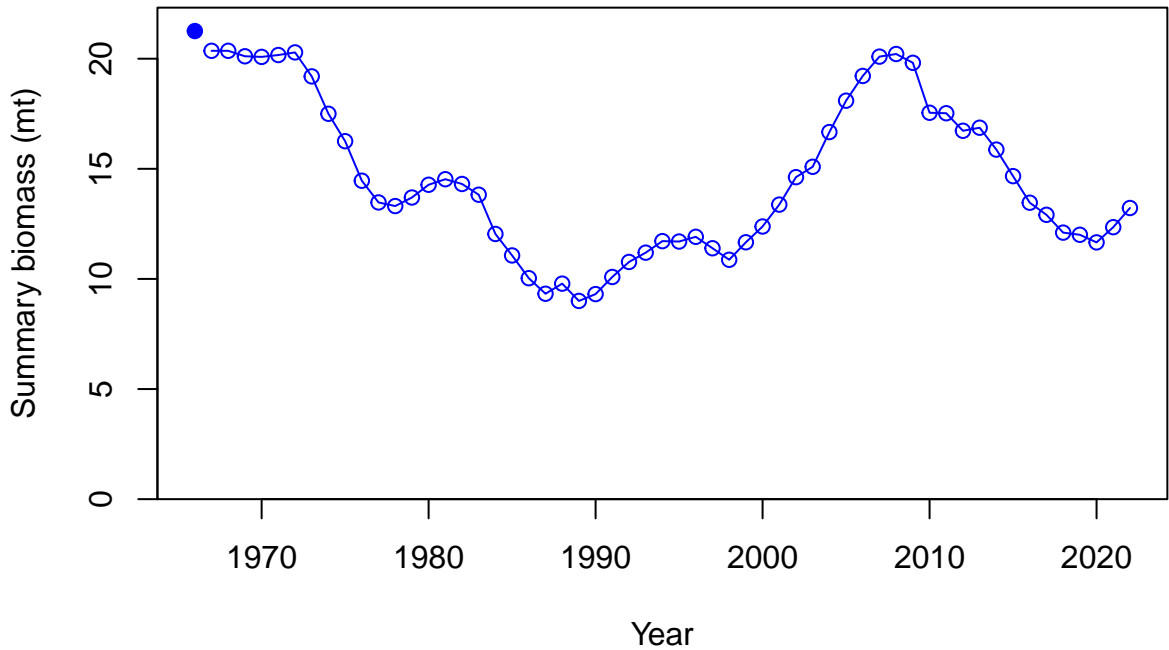
Relative spawning biomass: B/B_{MSY}



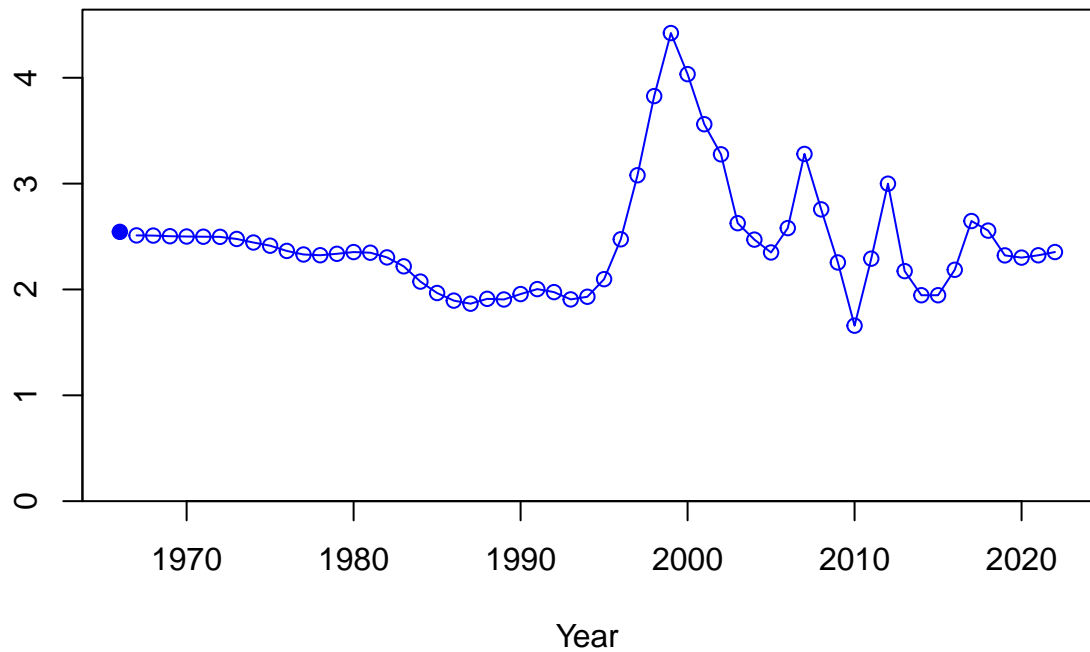
Relative spawning biomass: B/B_{MSY}



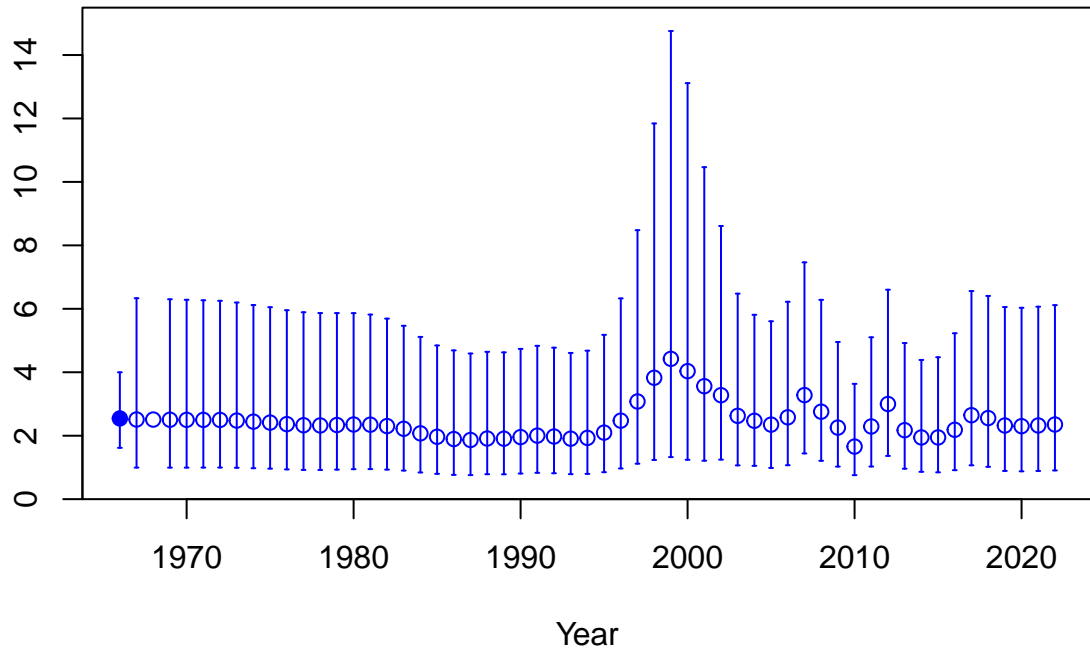




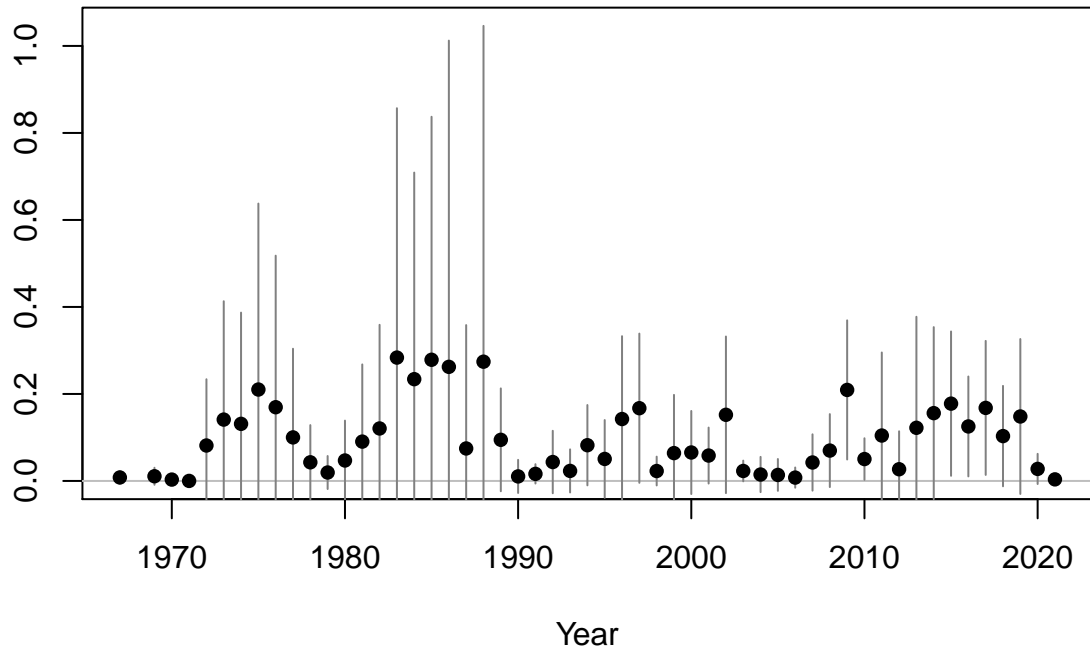
Age-0 recruits (1,000s)

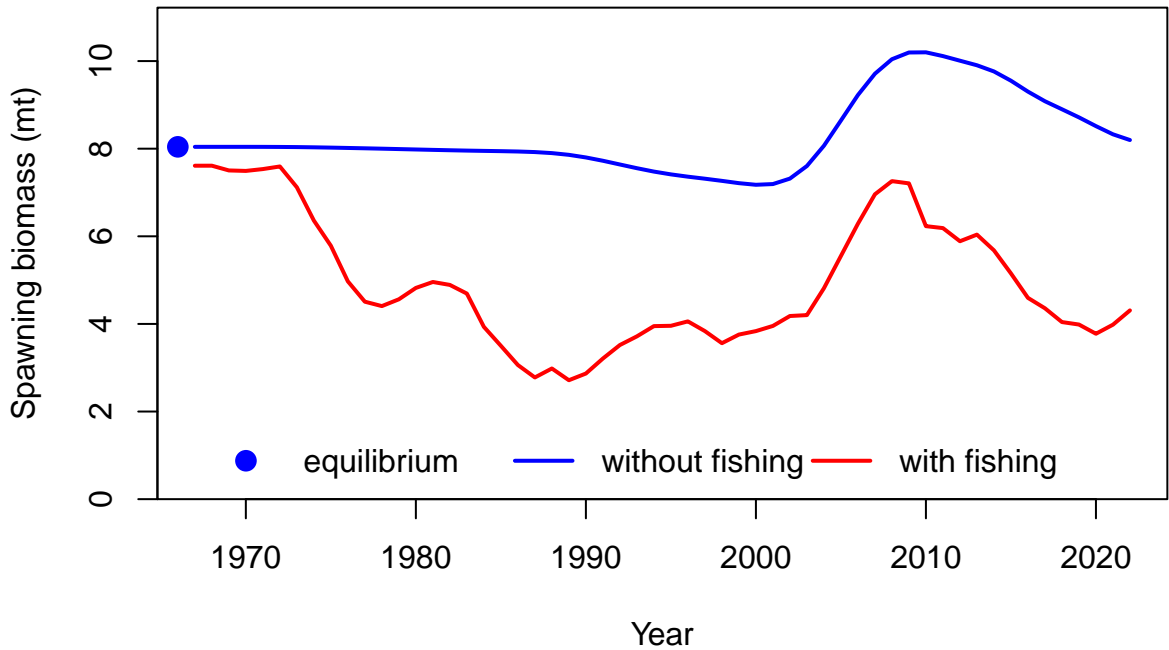


Age-0 recruits (1,000s)

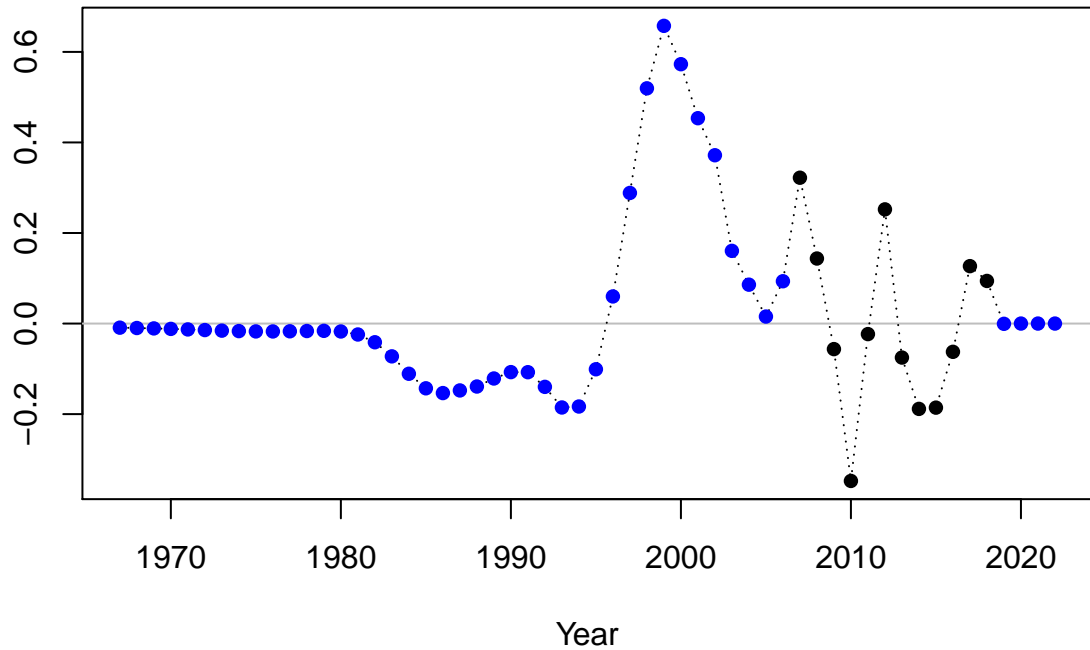


Summary Fishing Mortality

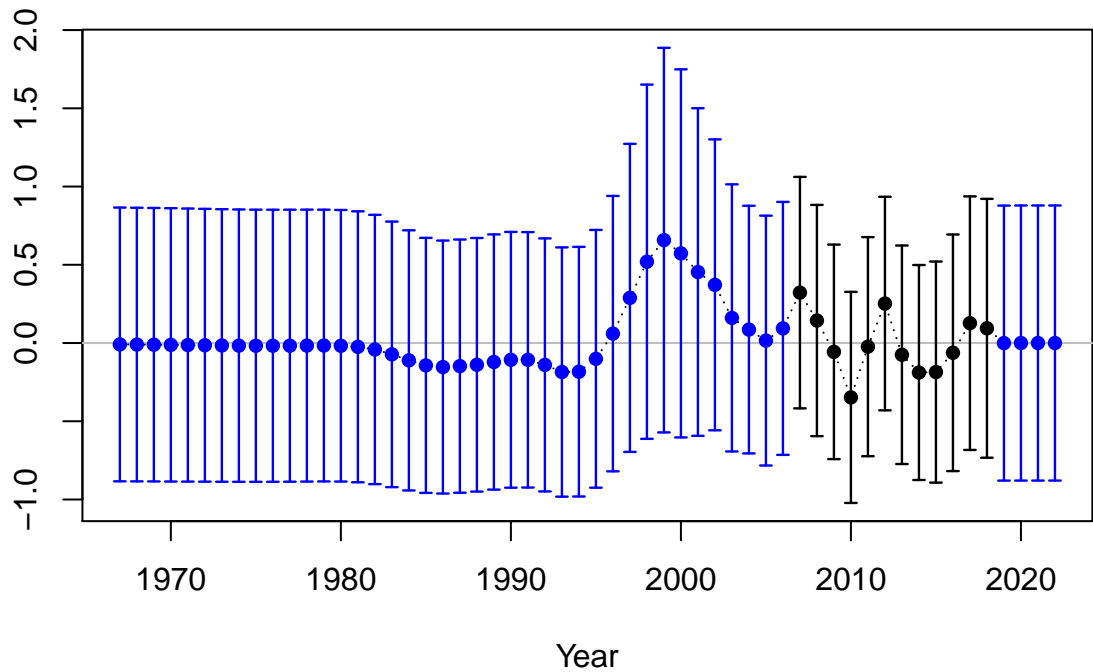




Log recruitment deviation

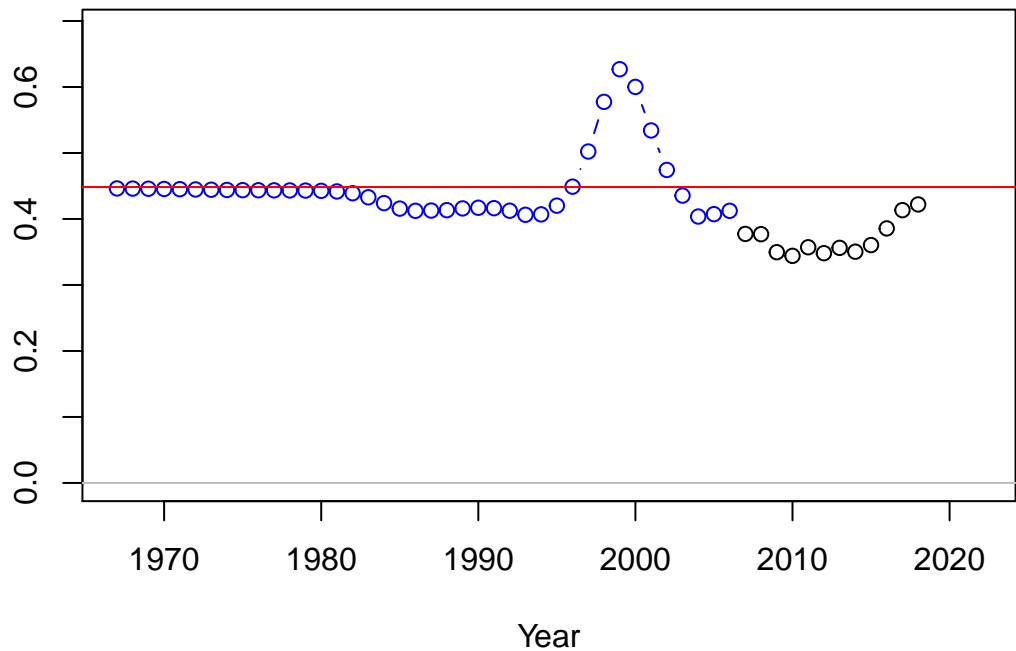


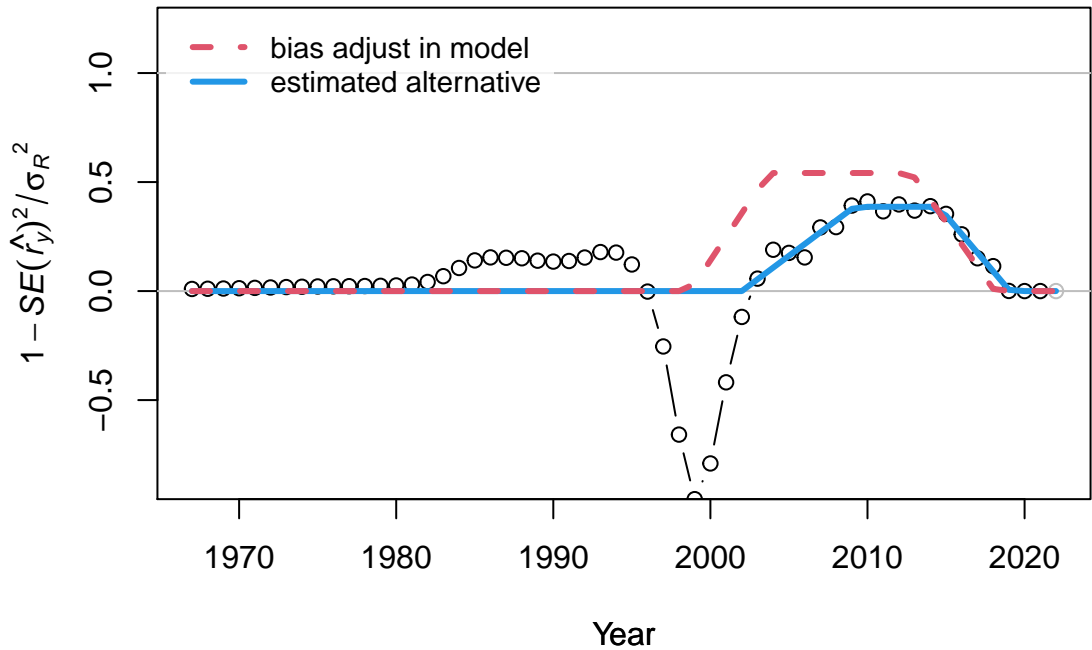
Log recruitment deviation

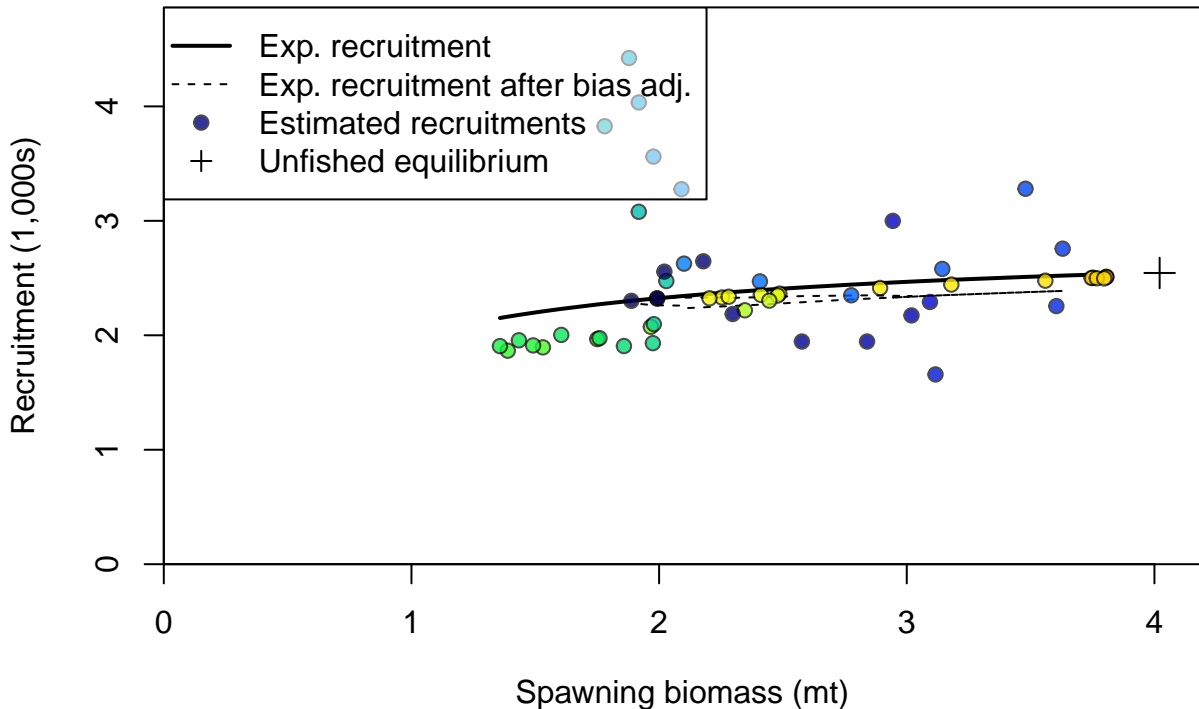


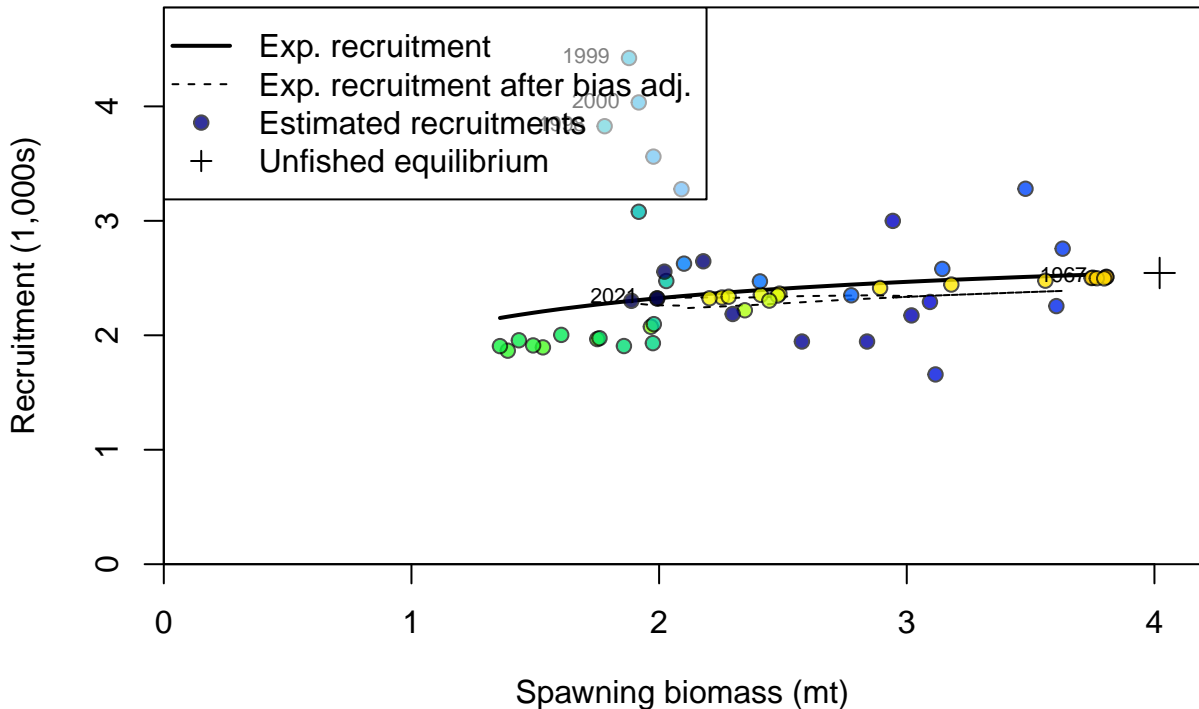
Recruitment deviation variance

Asymptotic standard error estimate

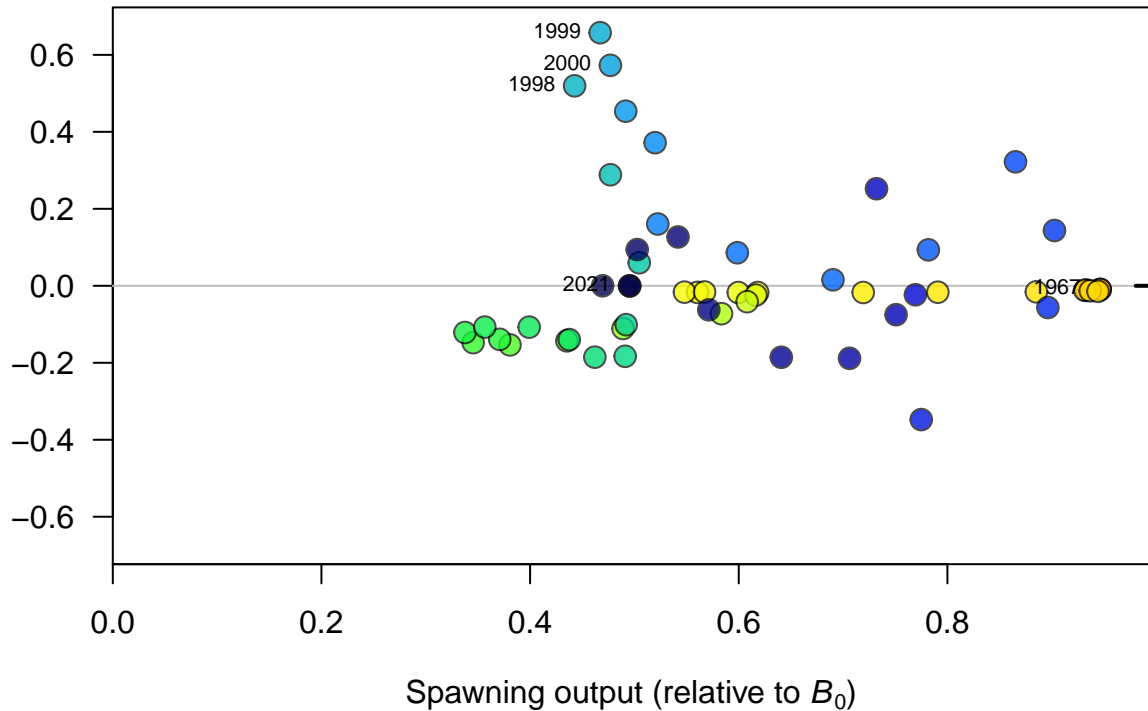


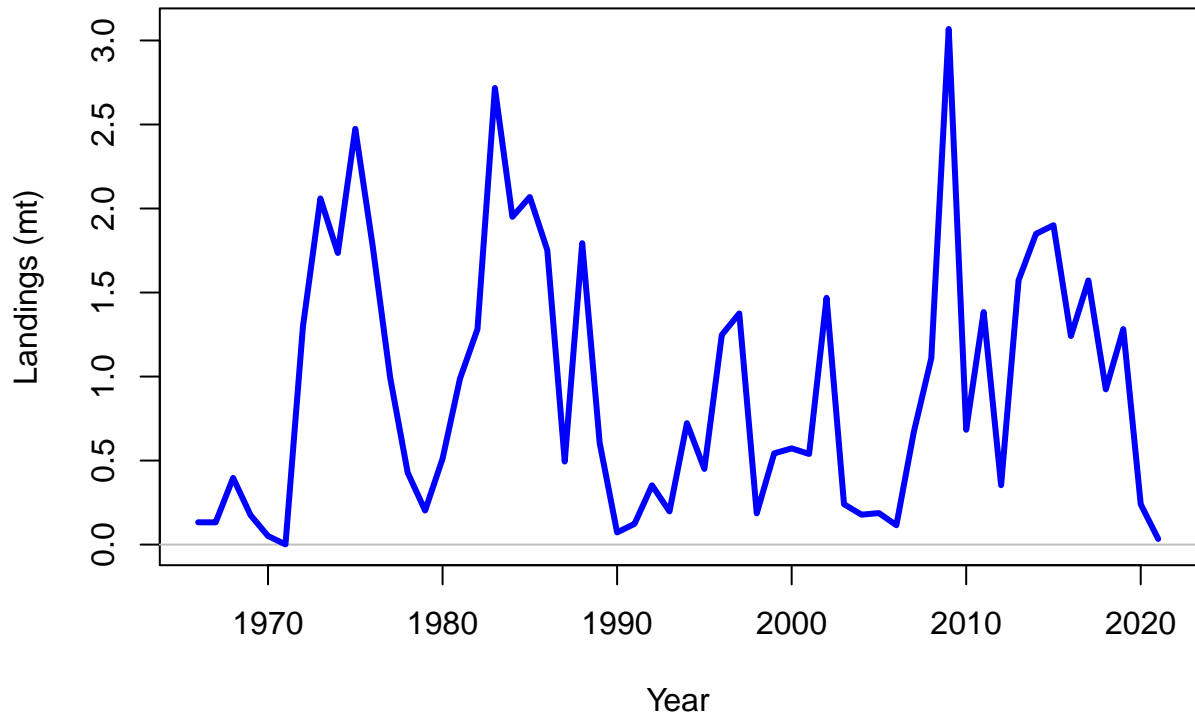




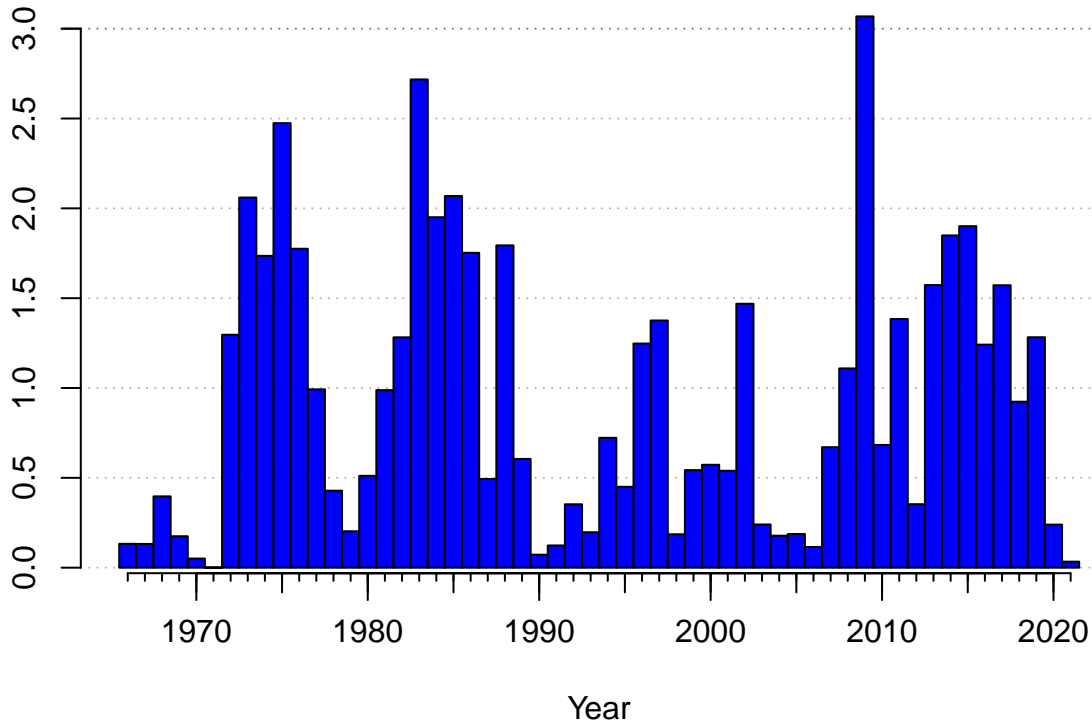


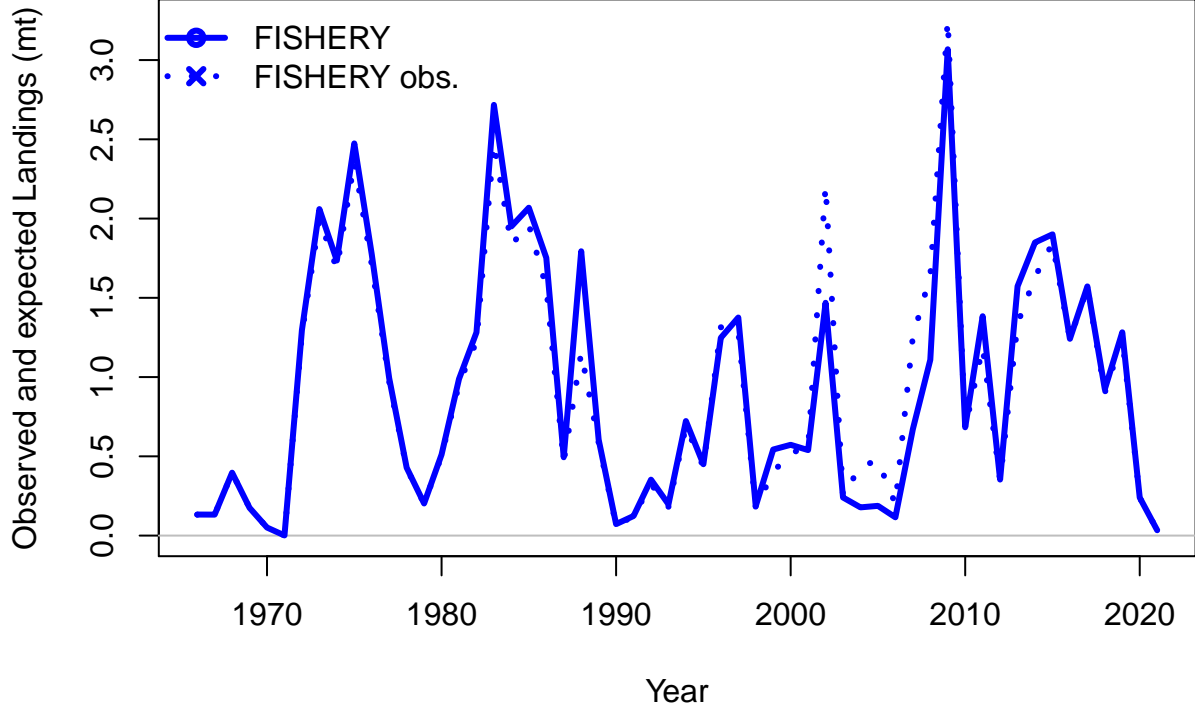
Log recruitment deviation

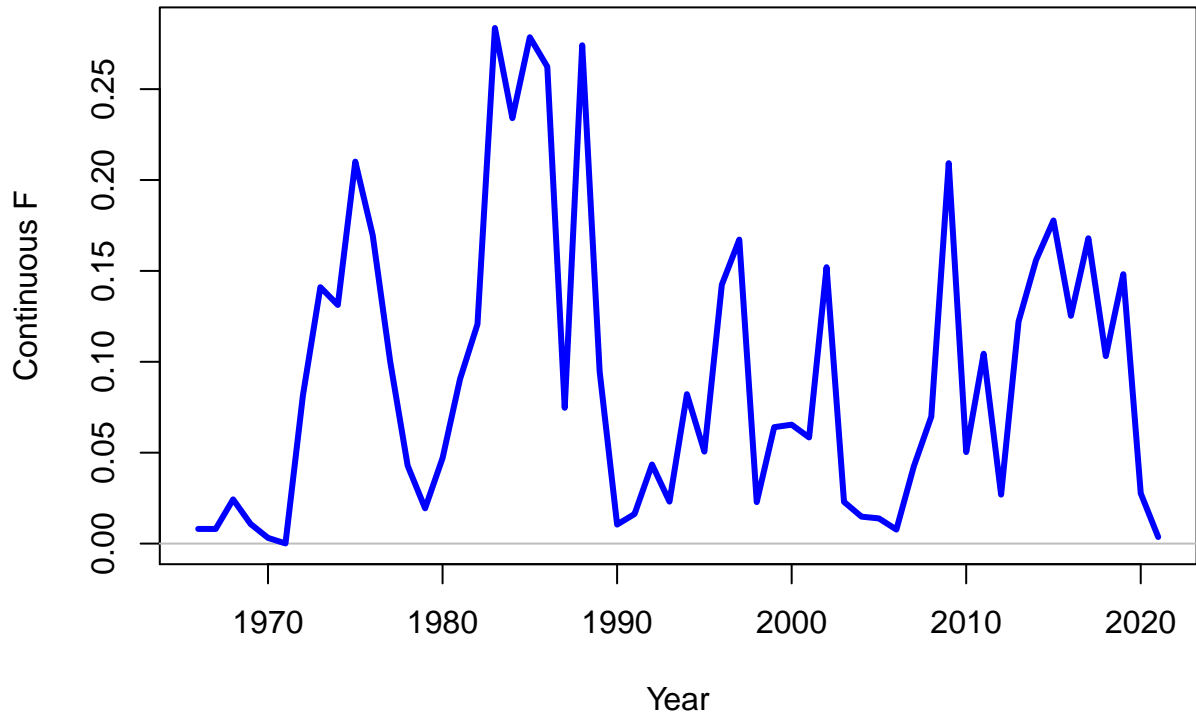




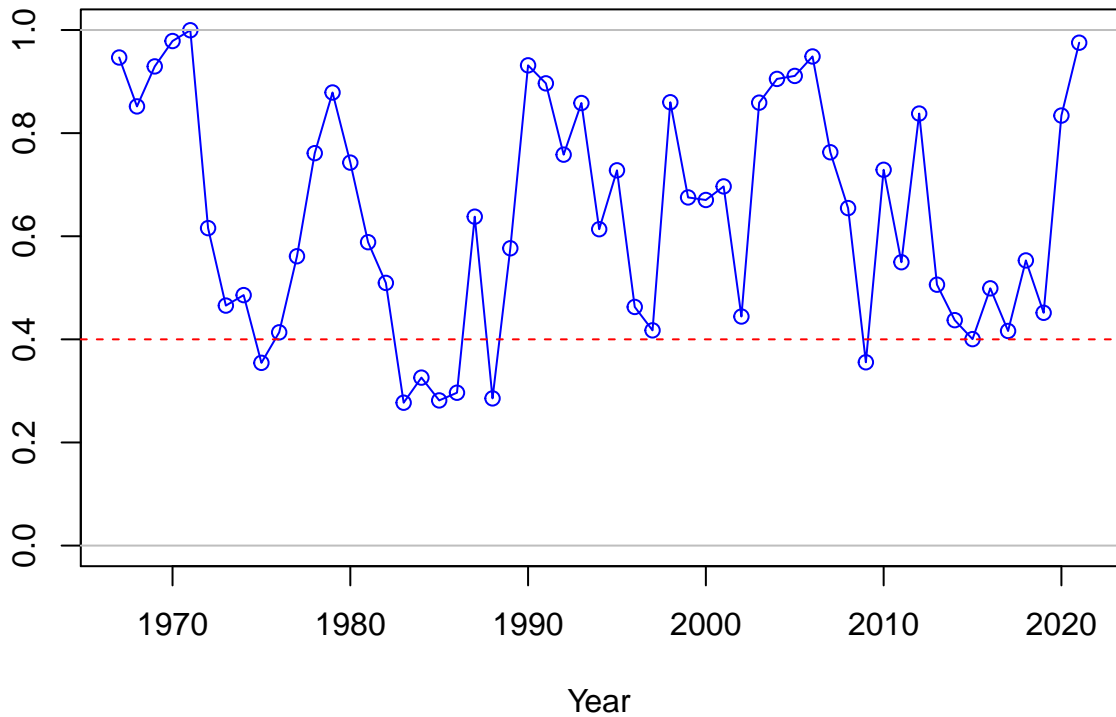
Landings (mt)

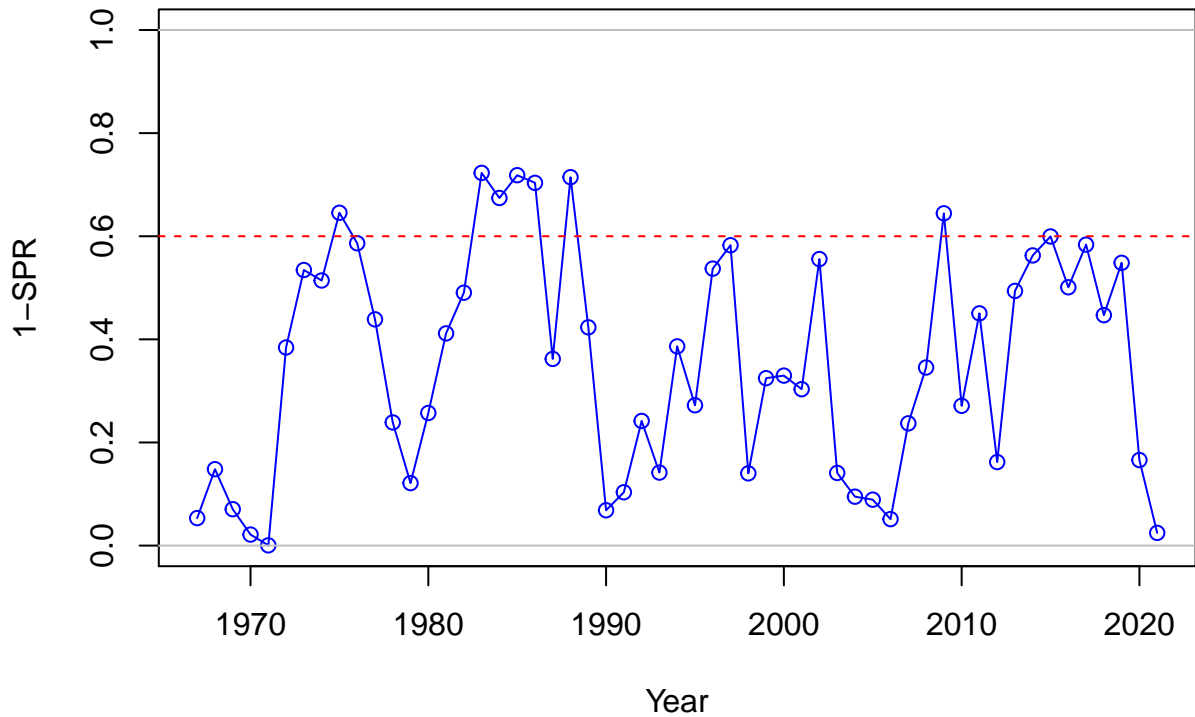




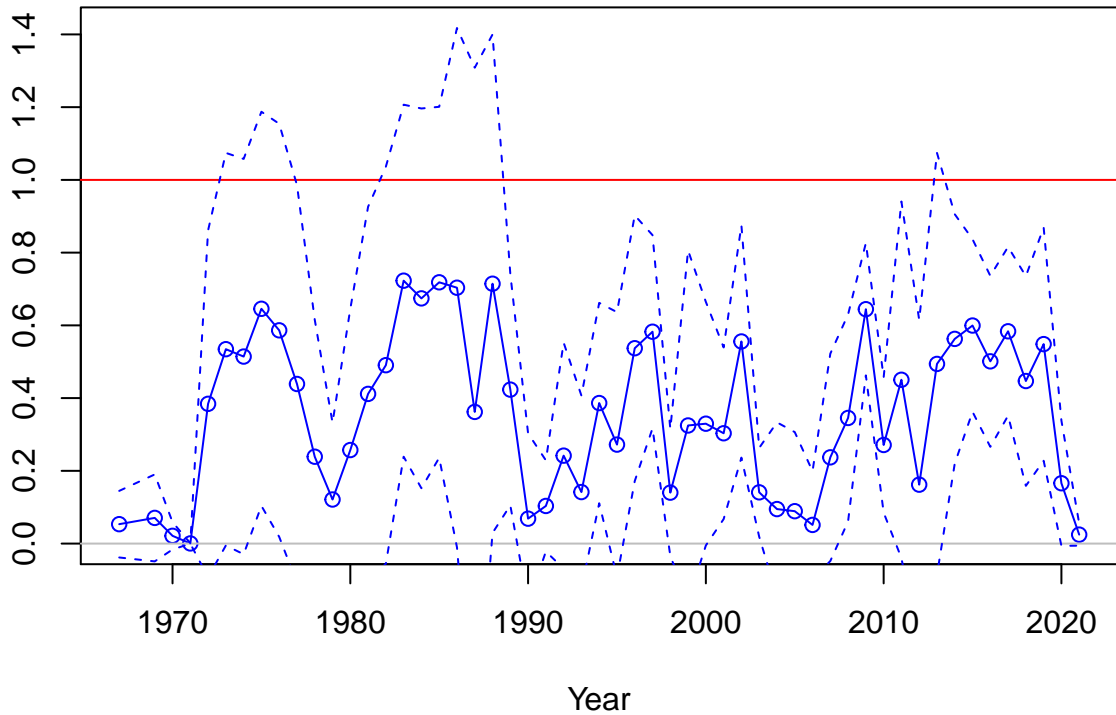


SPR

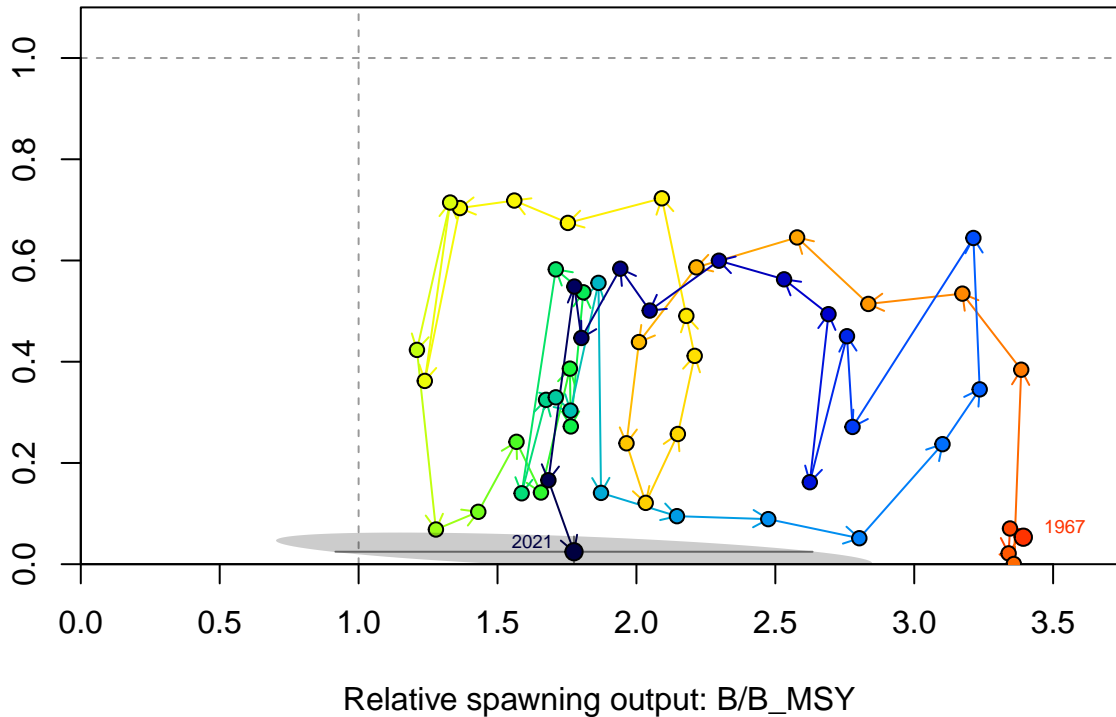




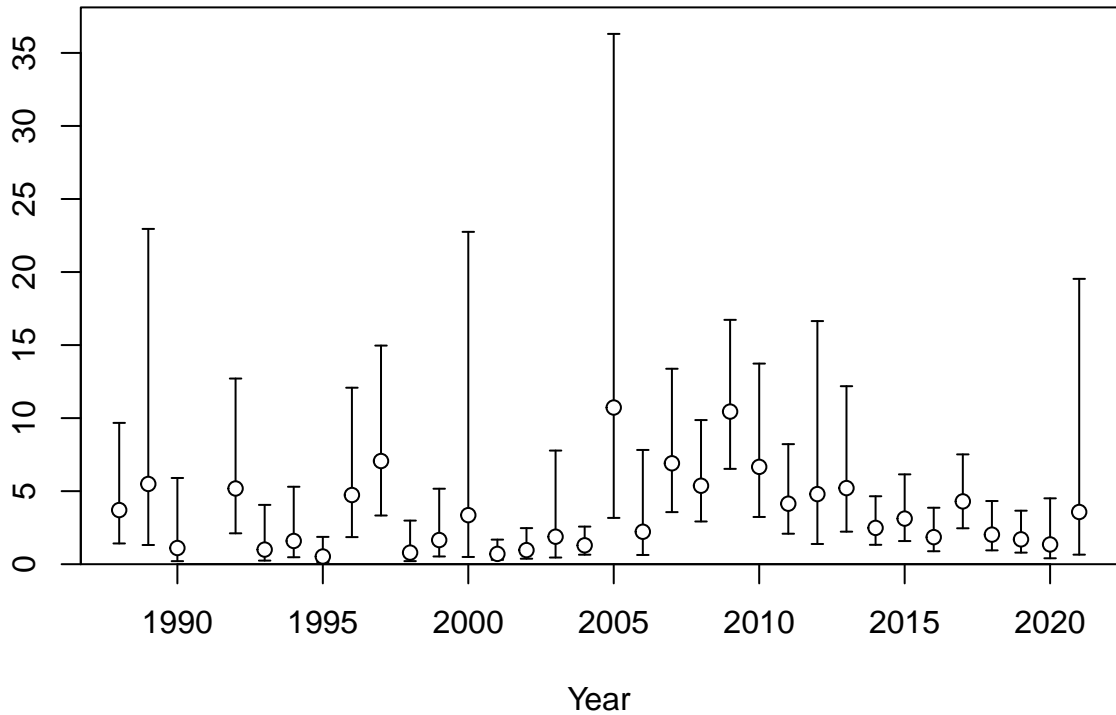
Fishing intensity: 1-SPR



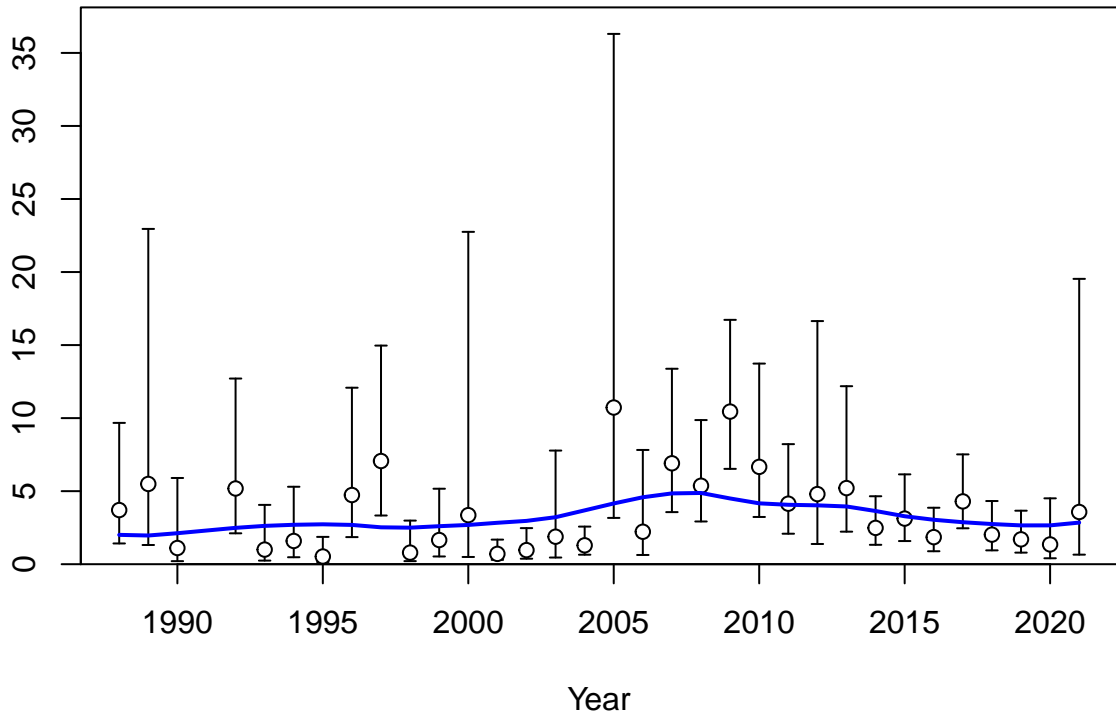
Fishing intensity: 1-SPR

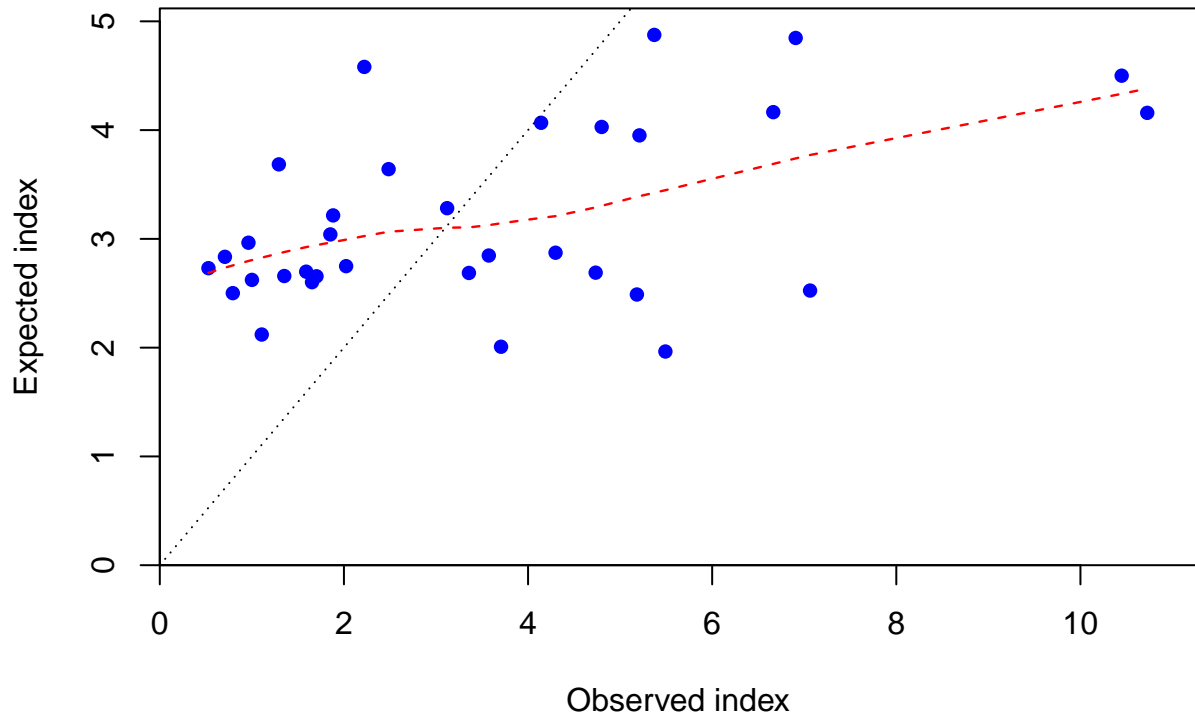


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Index





Log index

3
2
1
0
-1
-2

1990

1995

2000

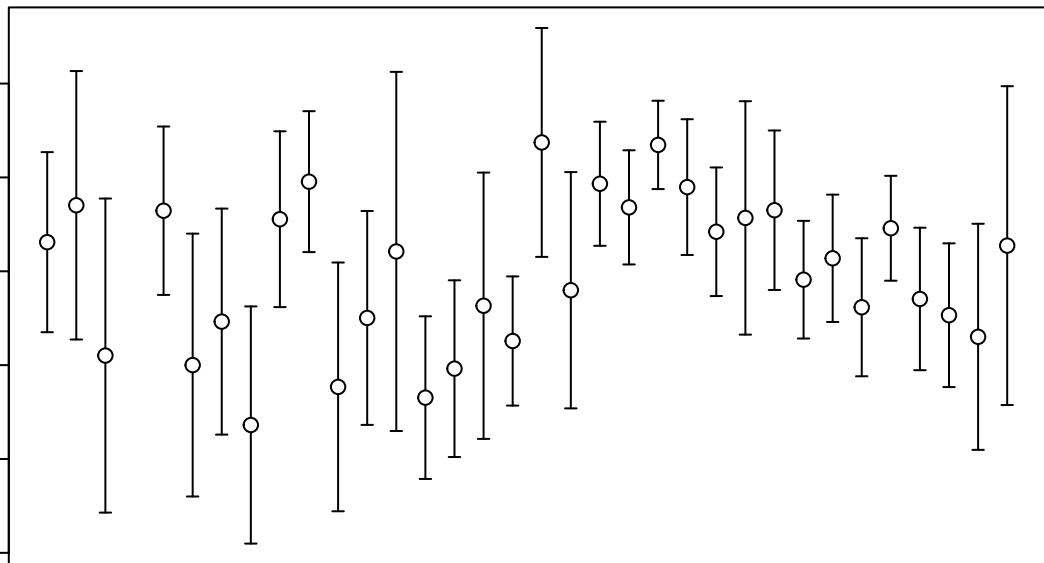
2005

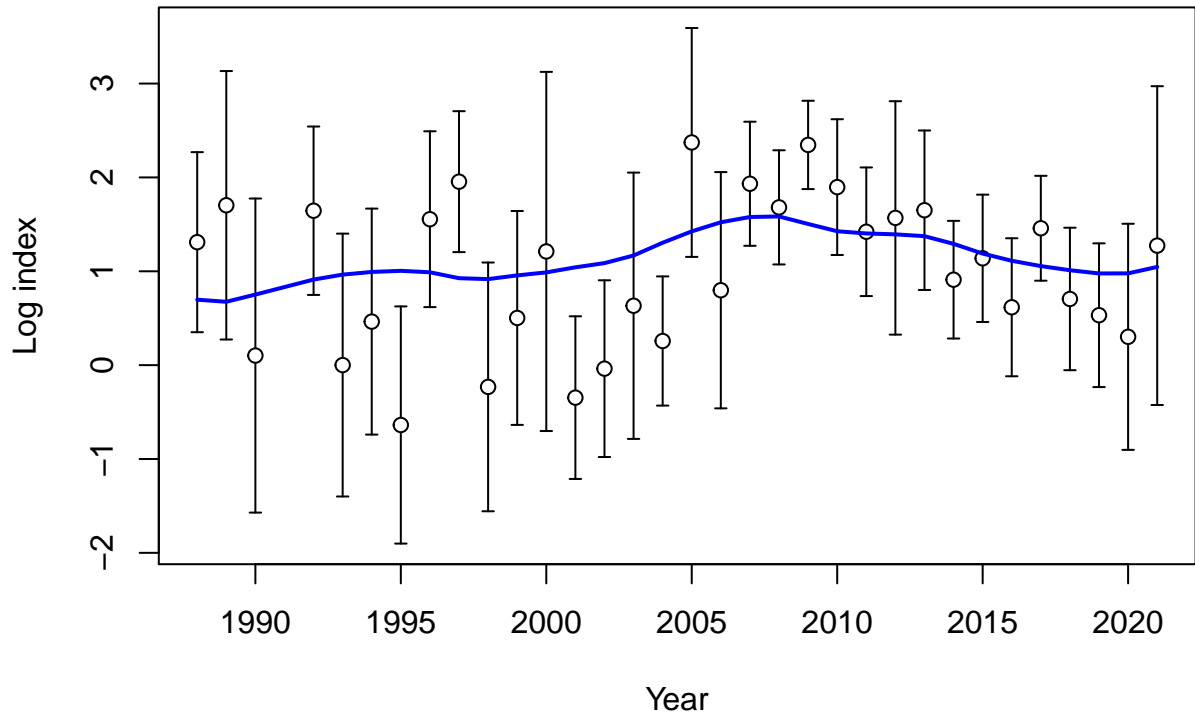
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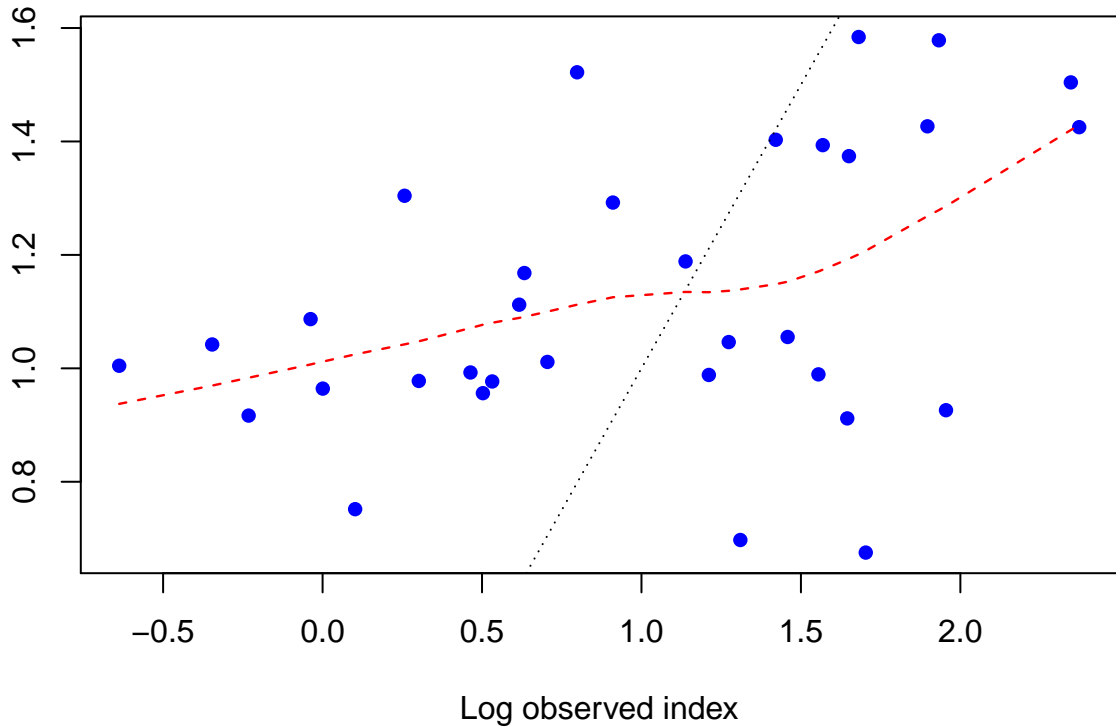
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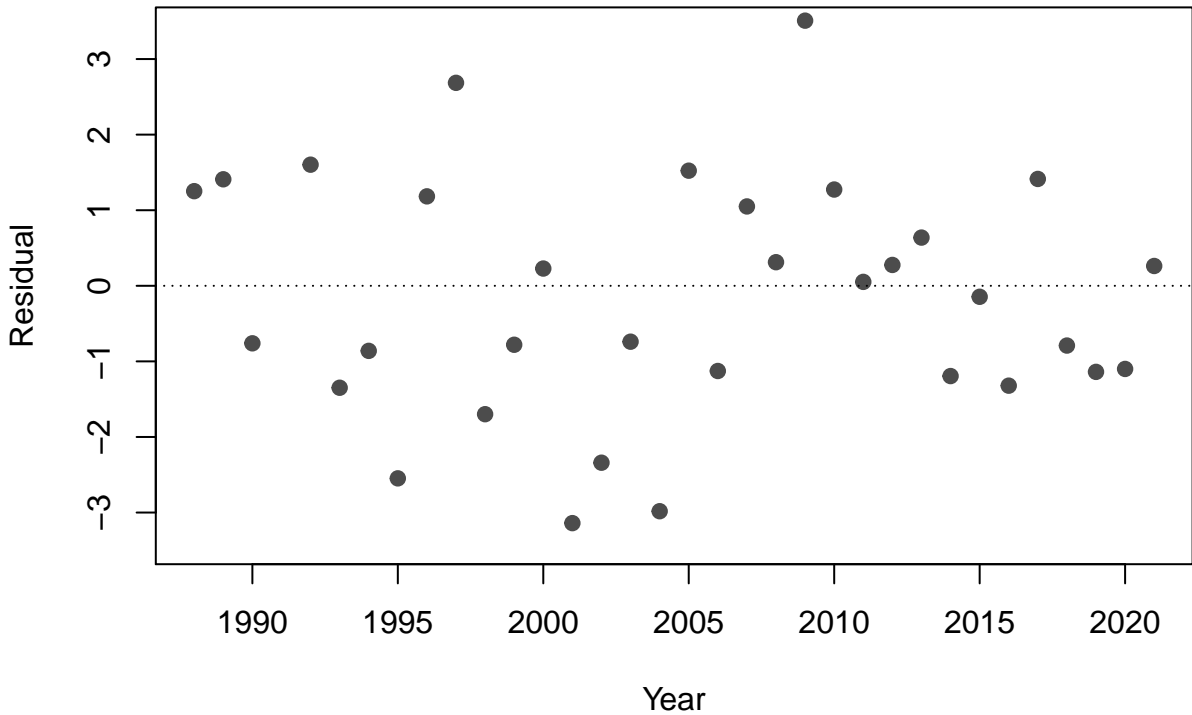
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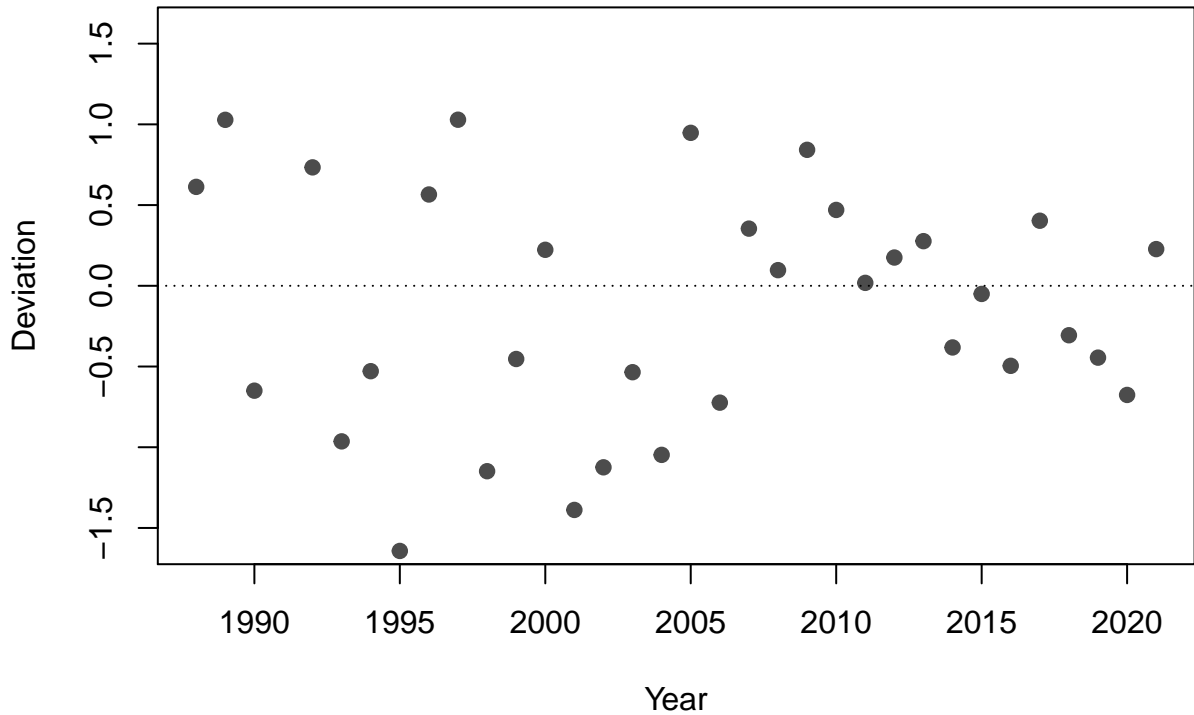


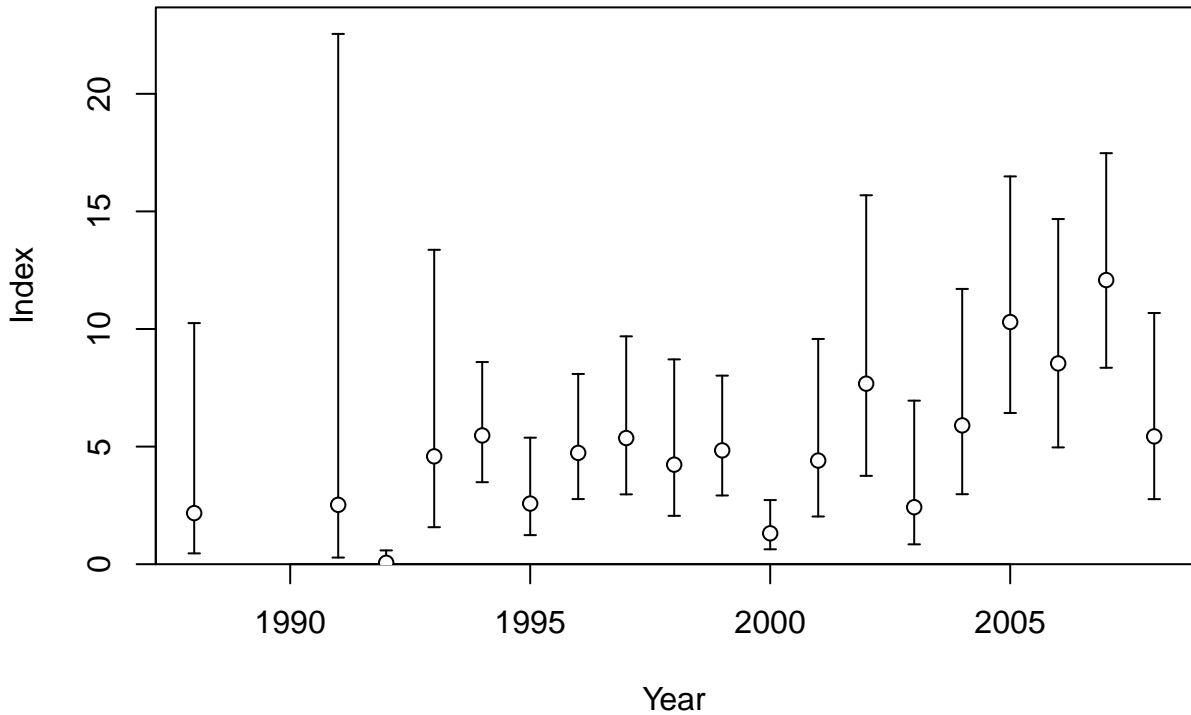


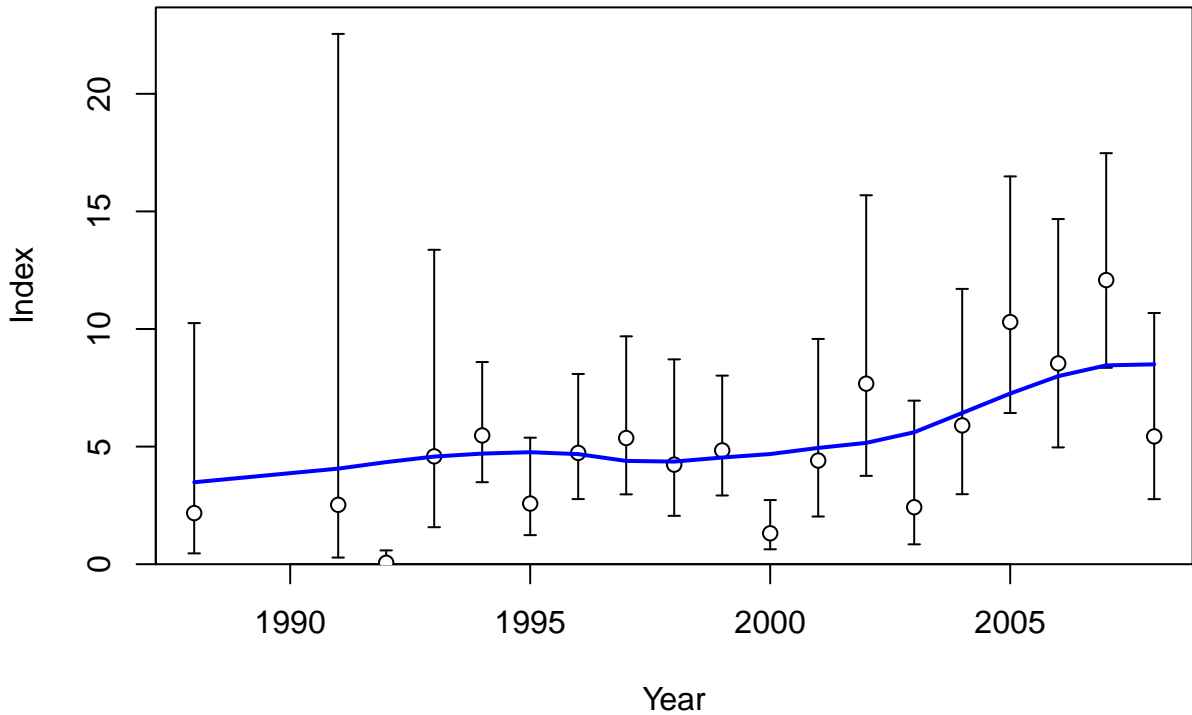
Log expected index

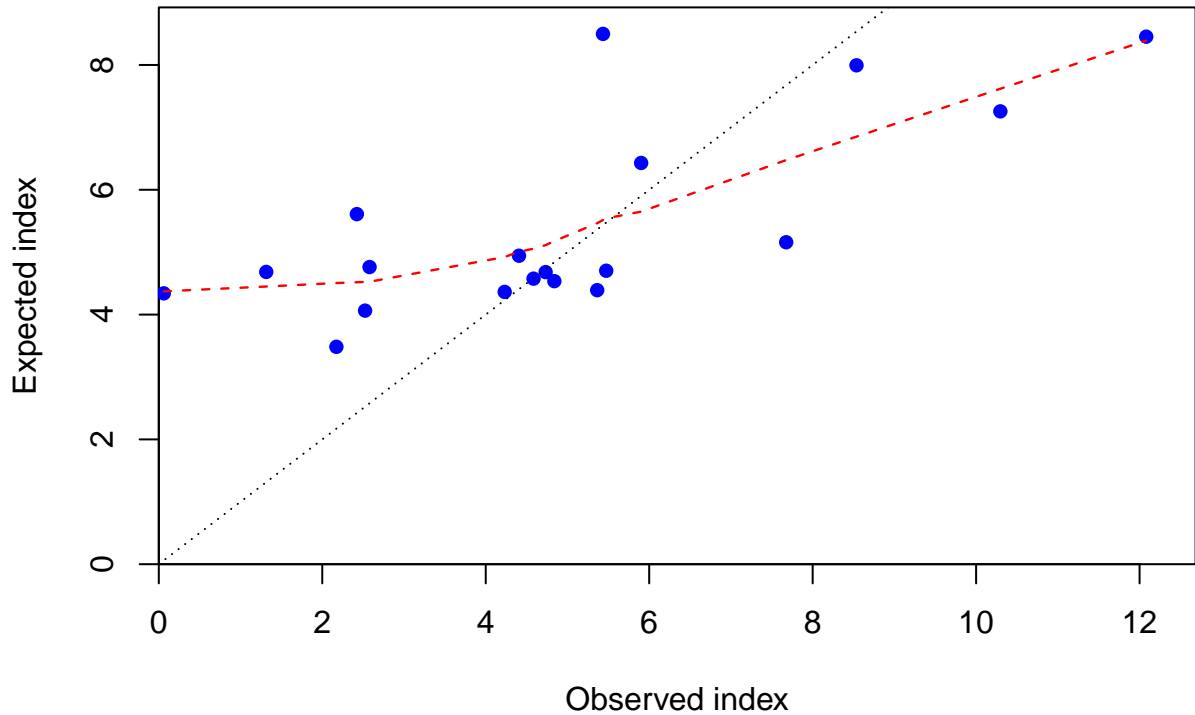


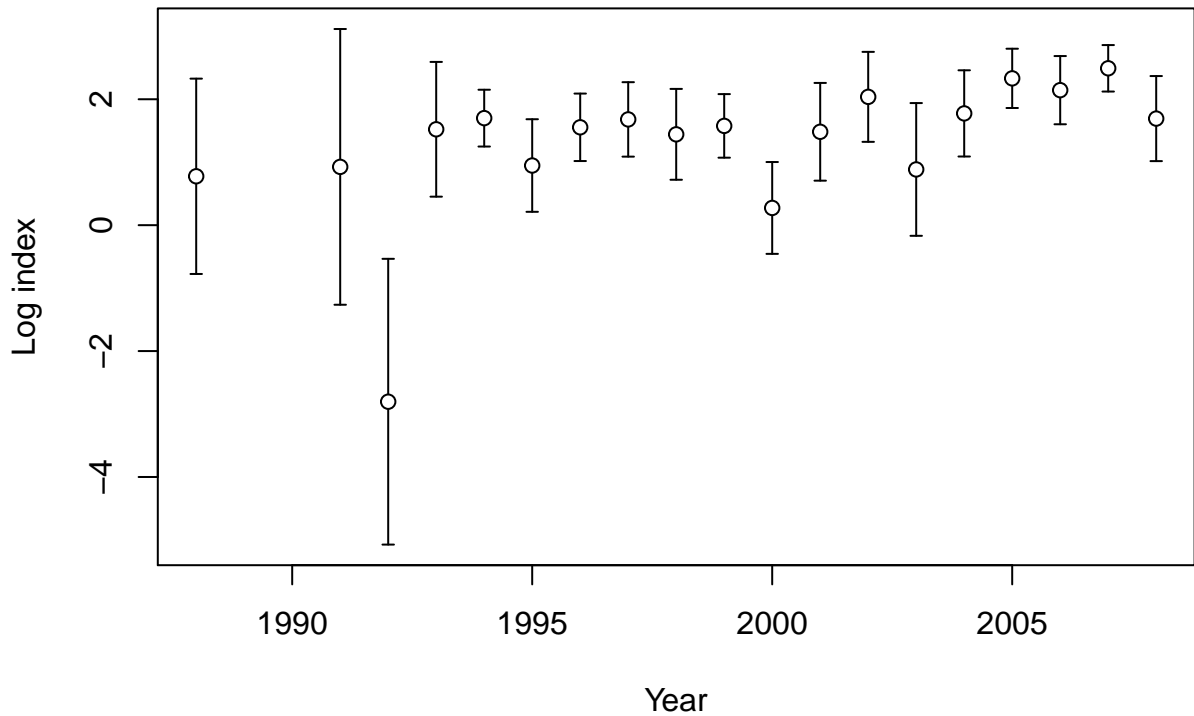


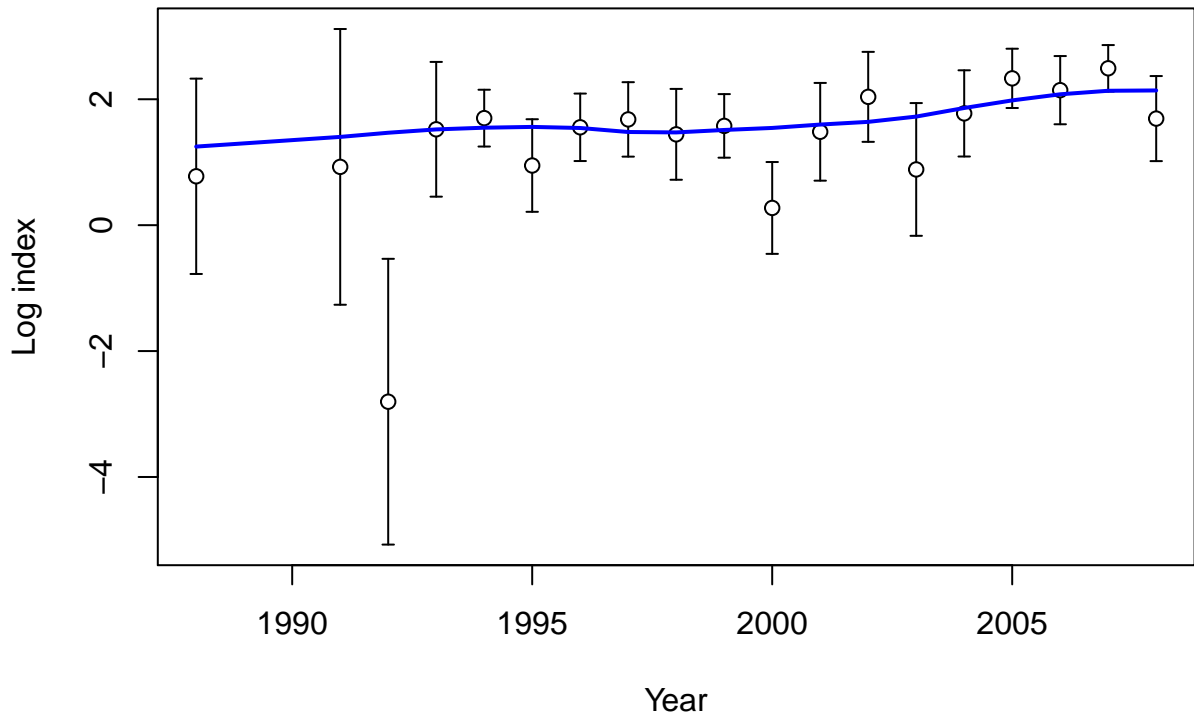


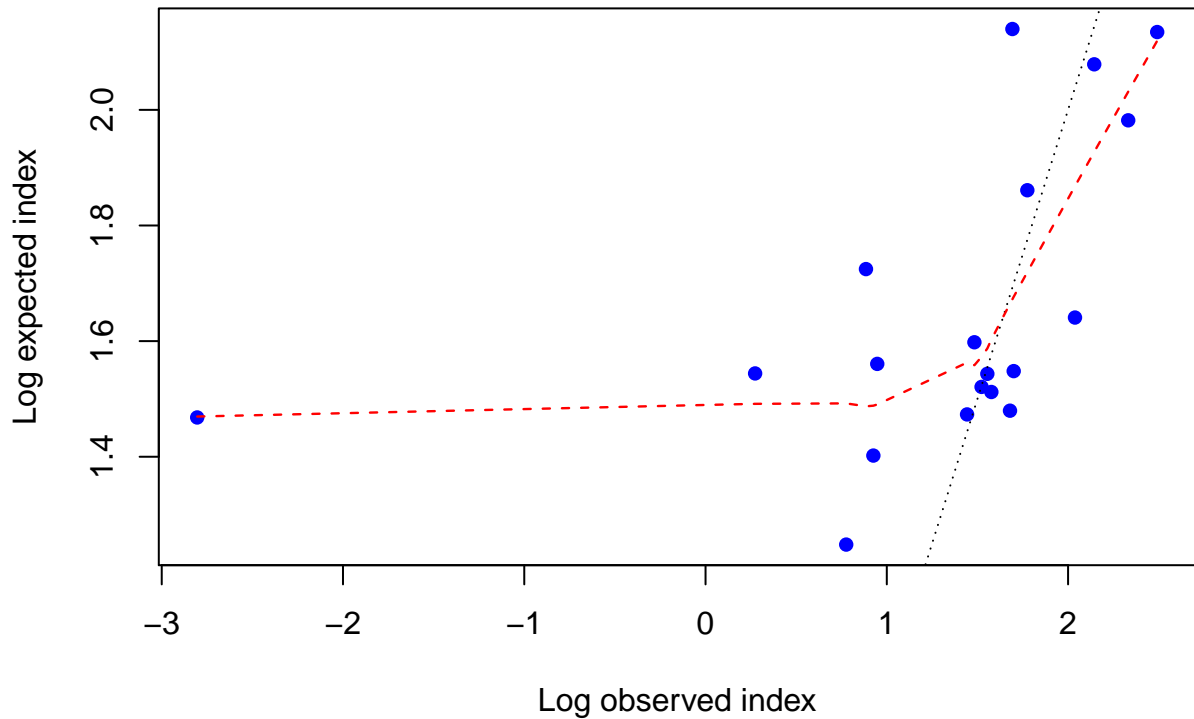


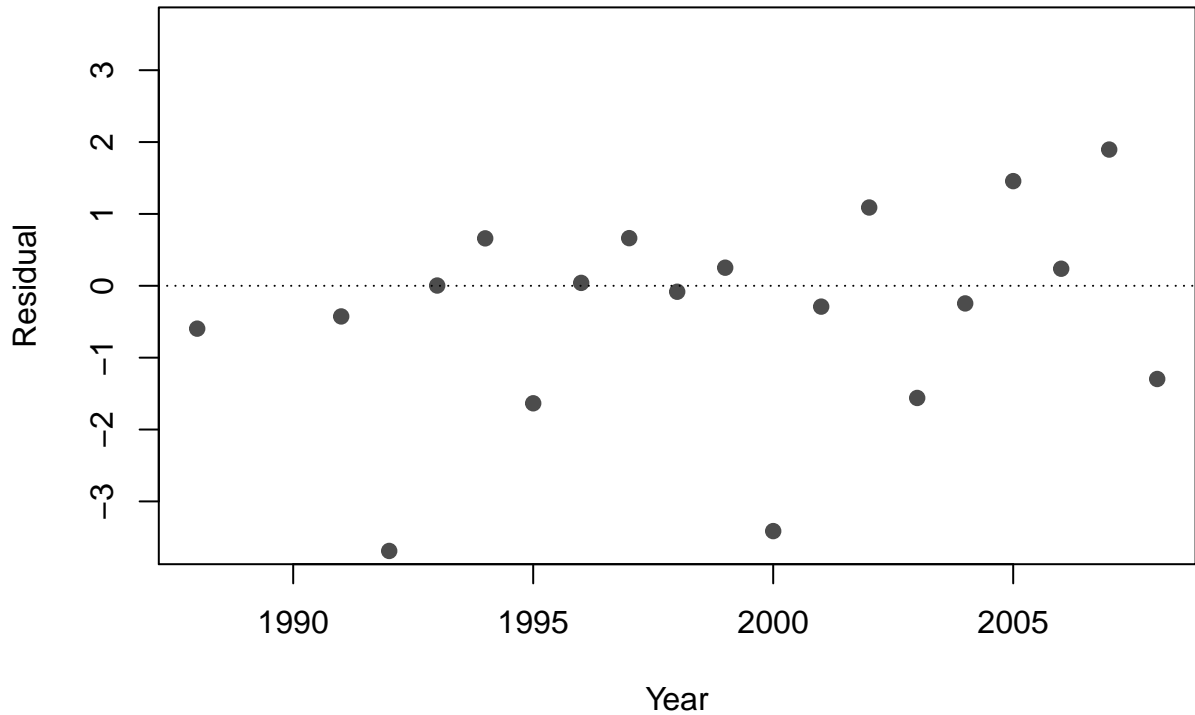


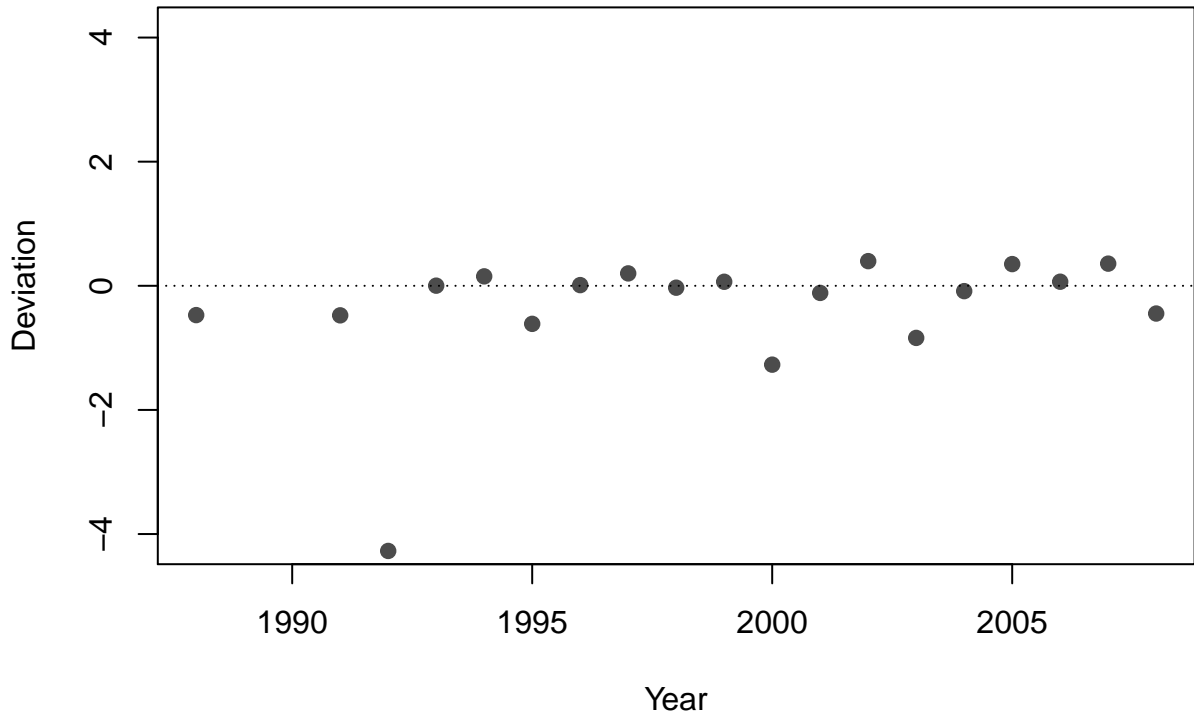




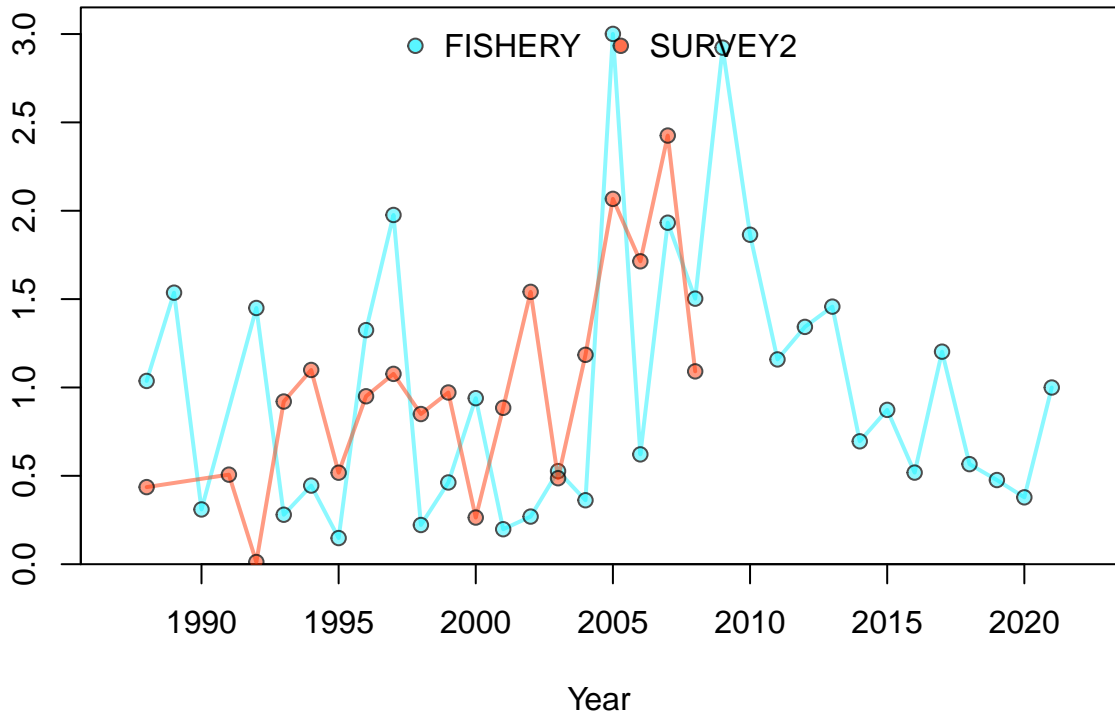


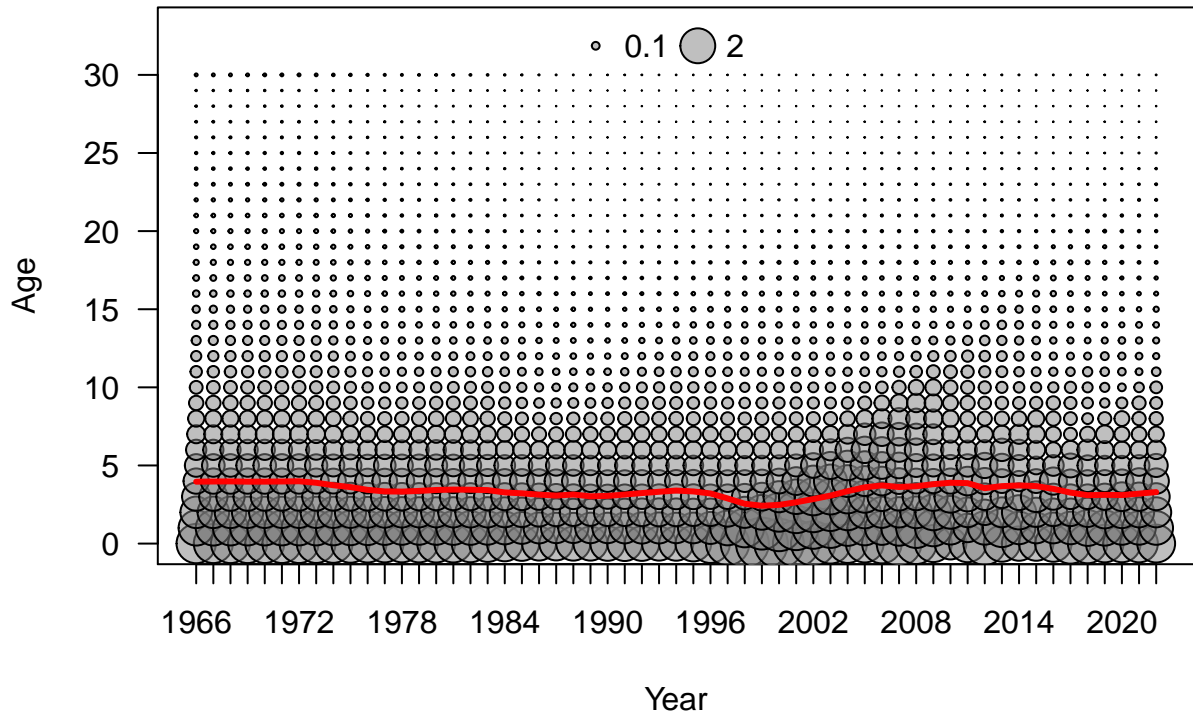


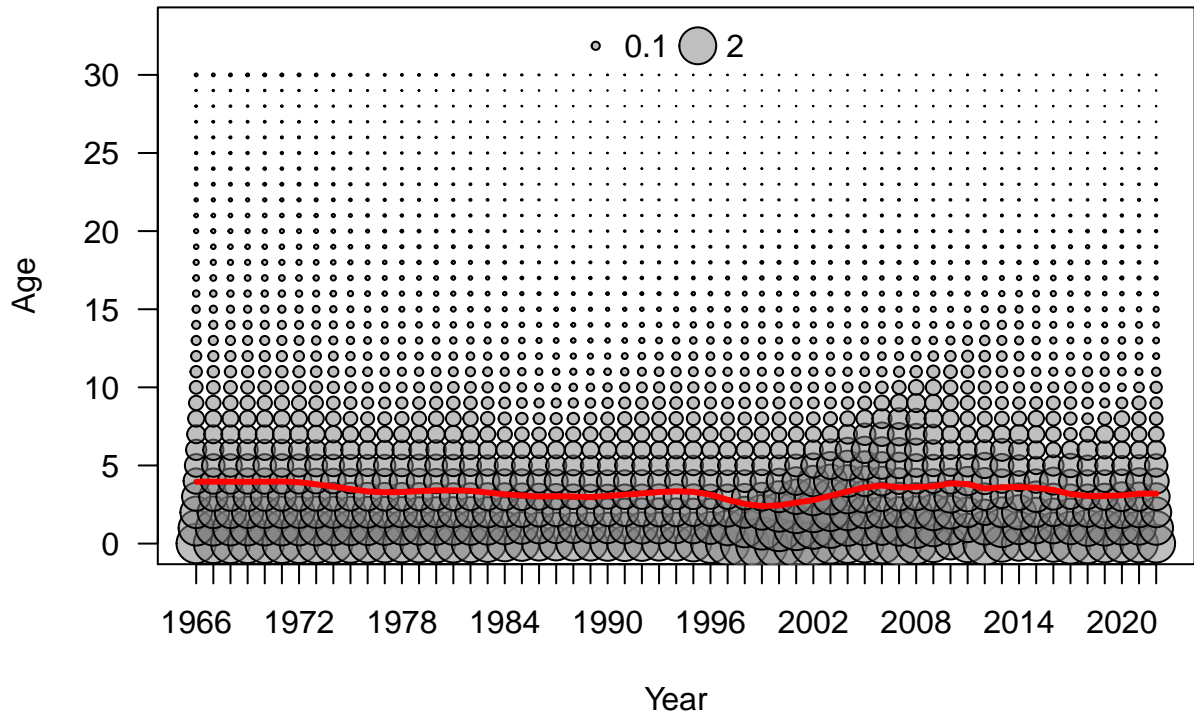


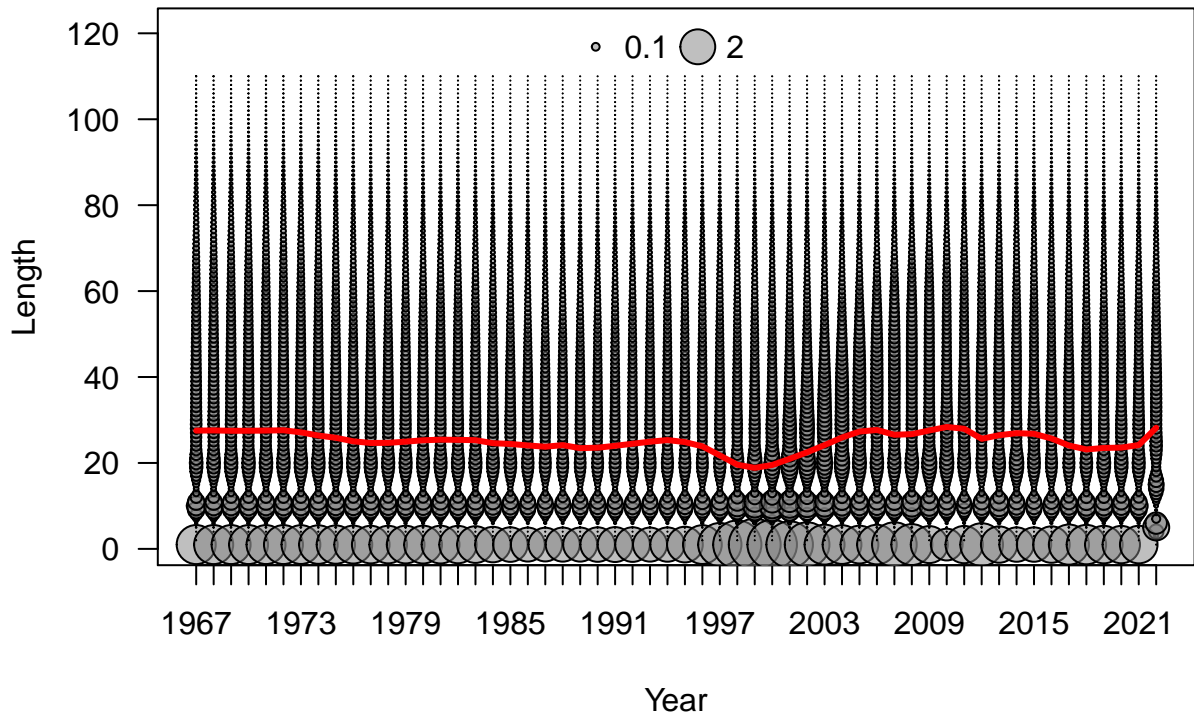


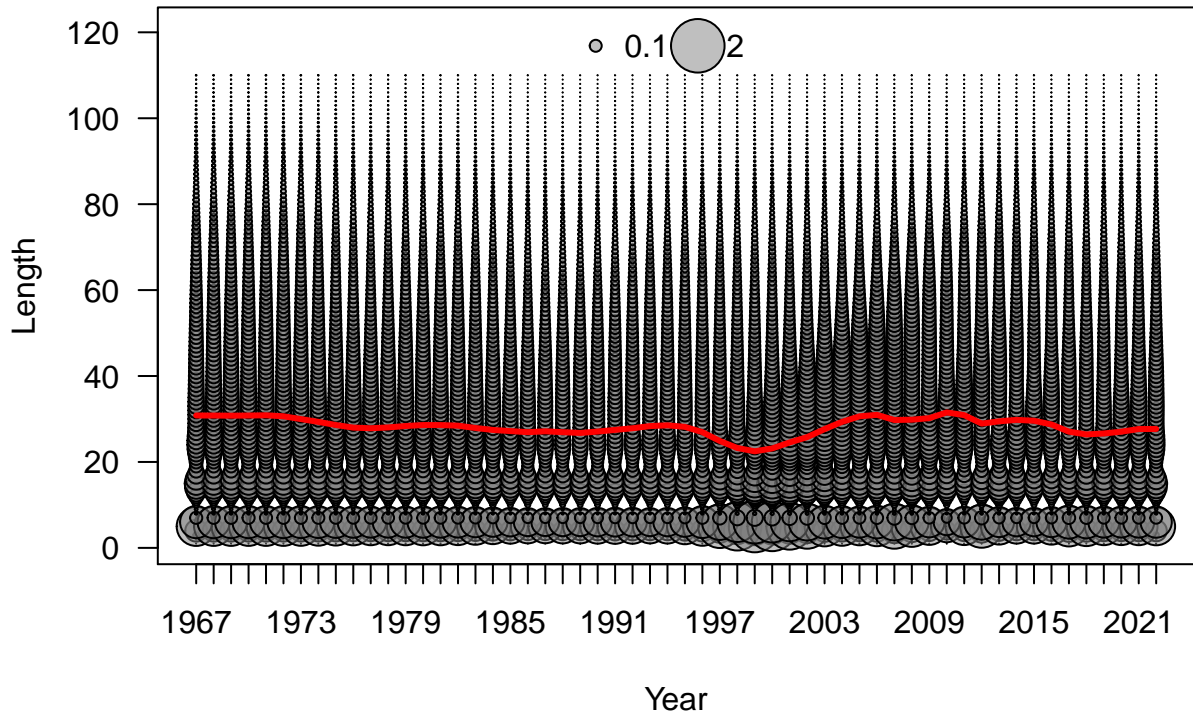
Standardized index

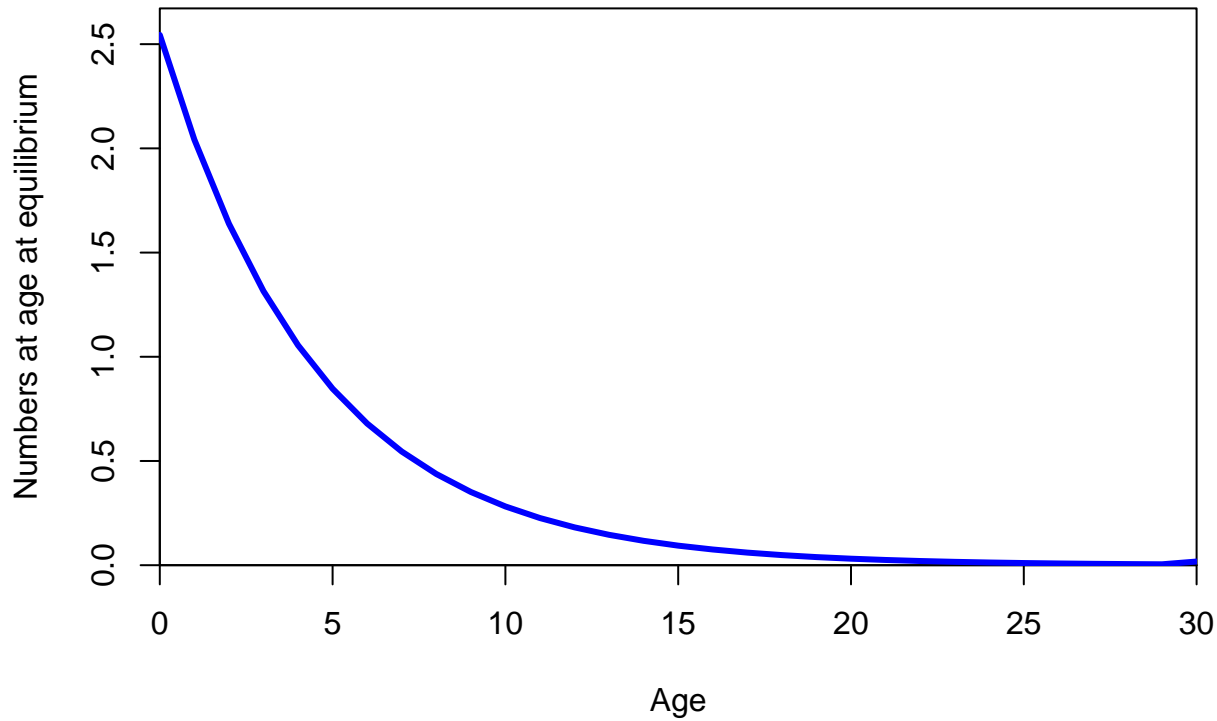






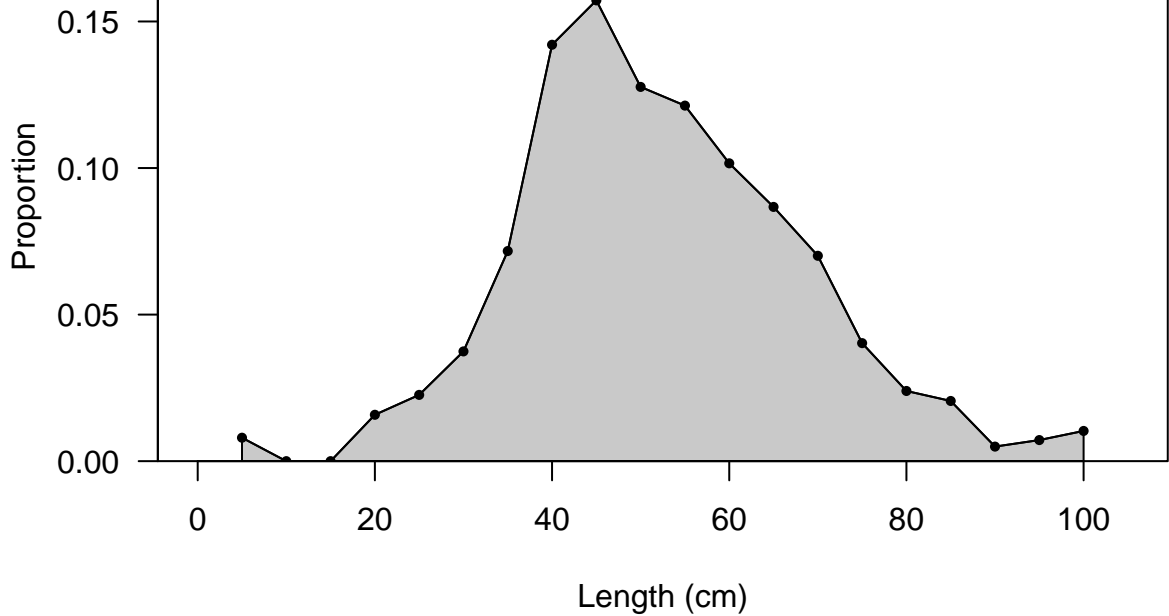


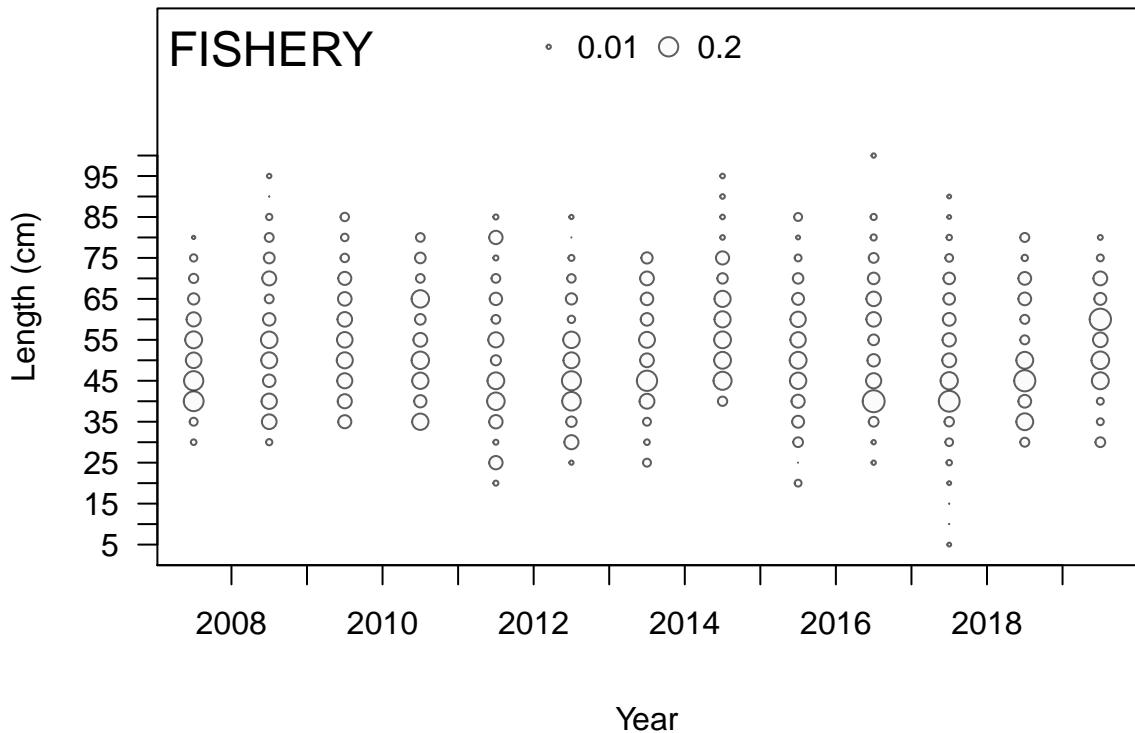




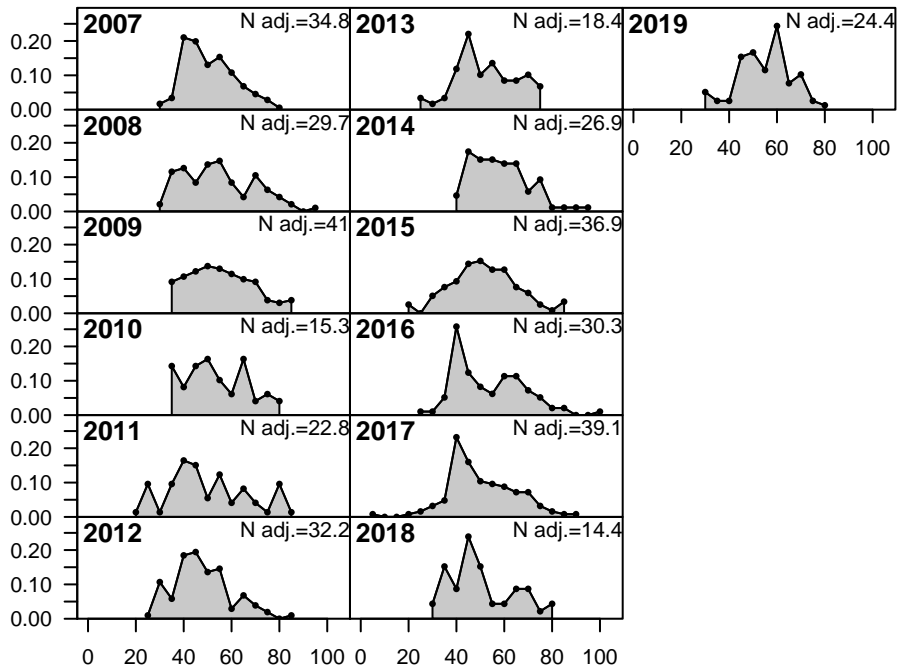
FISHERY

Sum of N adj.=366.2

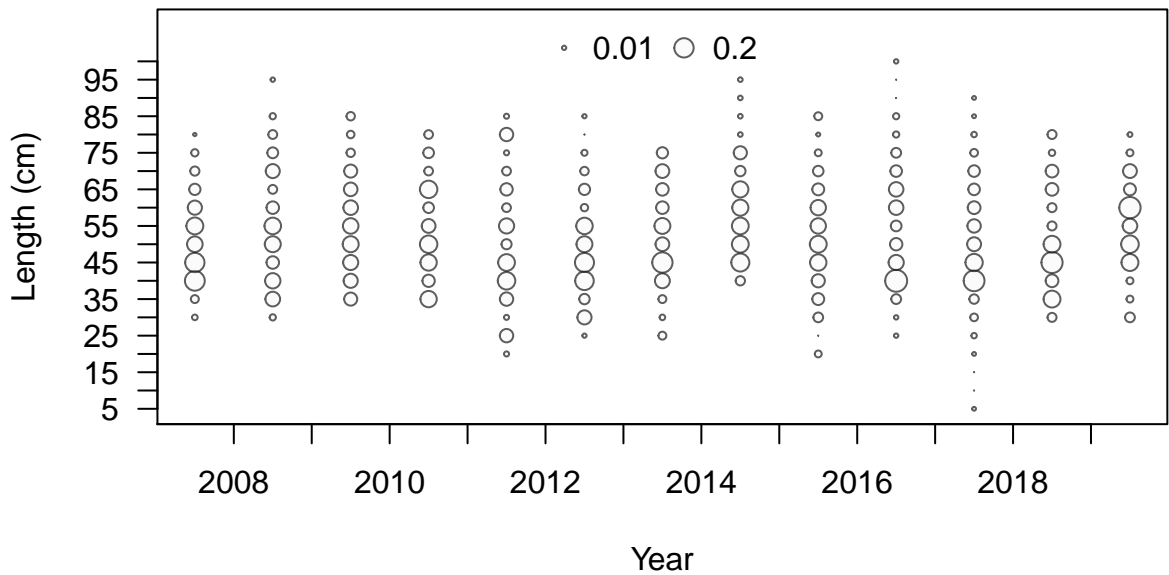




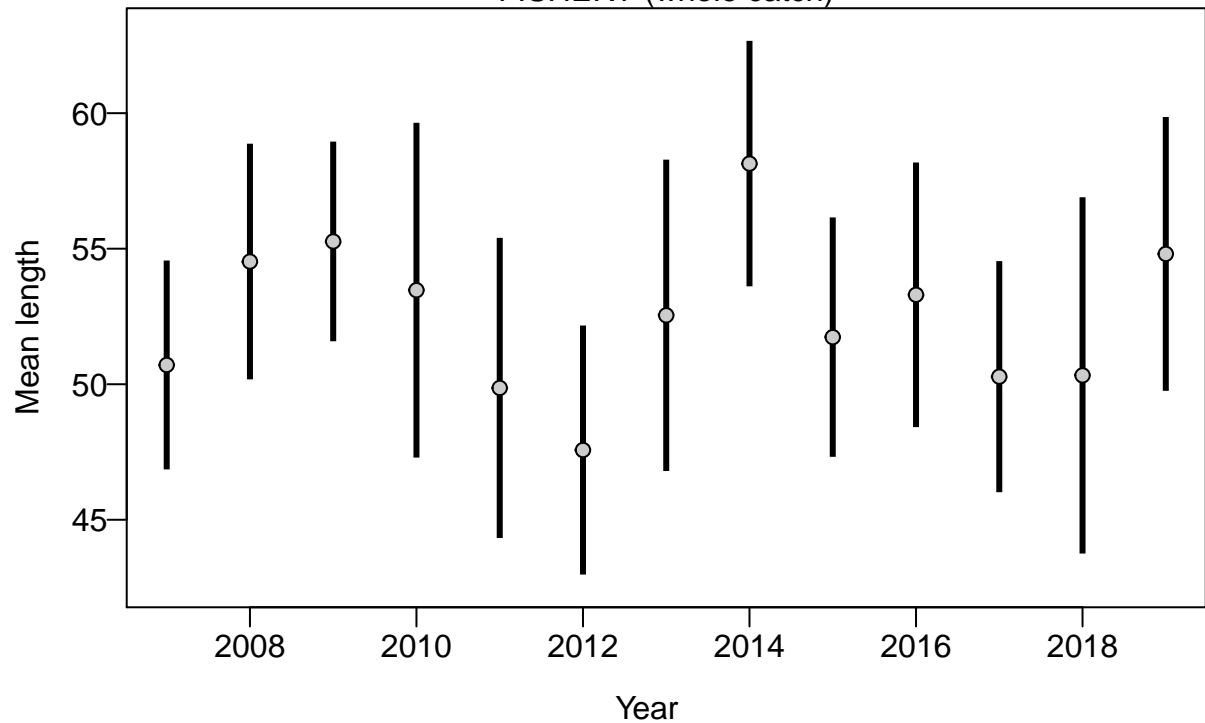
Proportion



Length (cm)

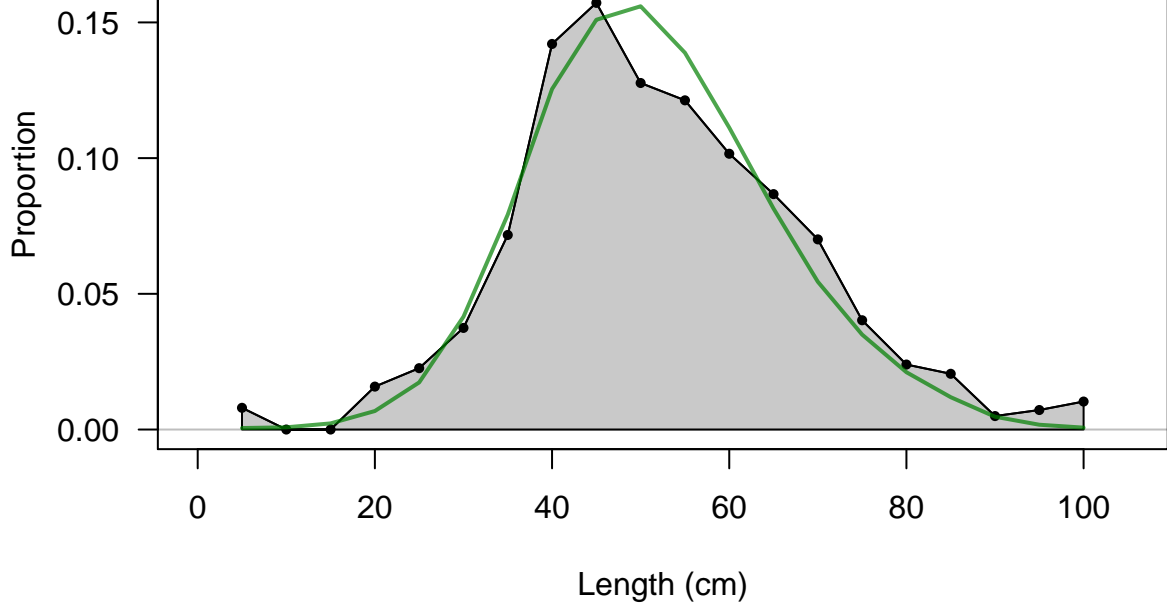


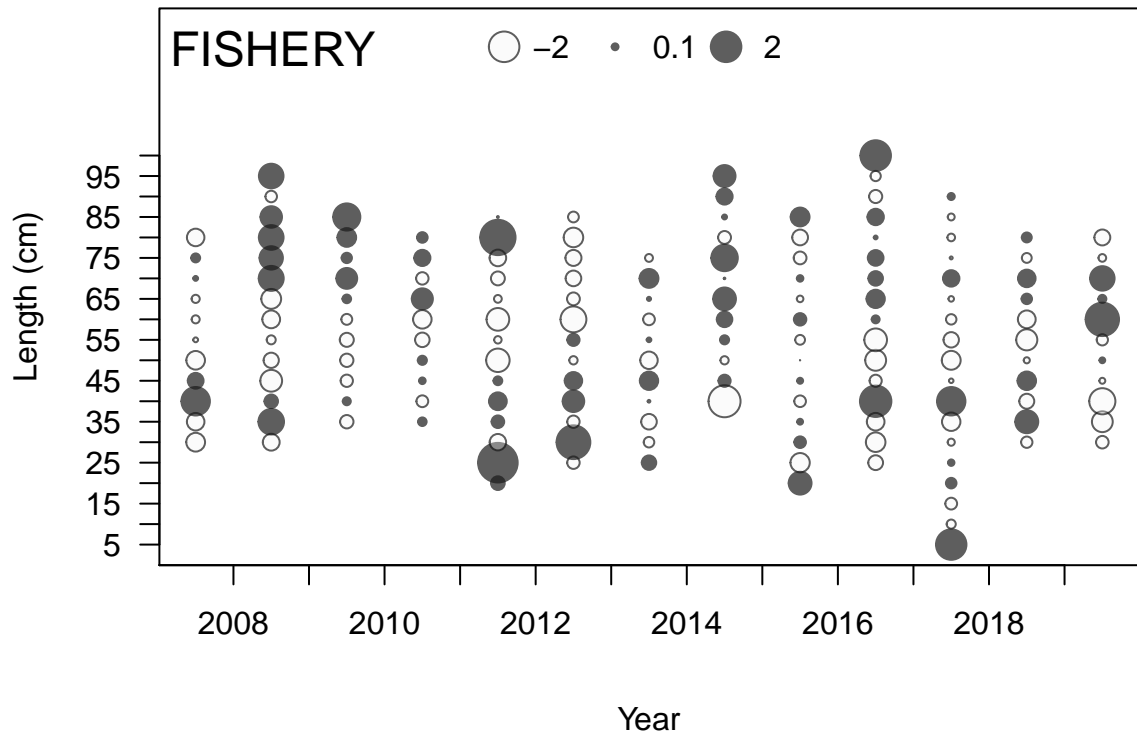
FISHERY (whole catch)



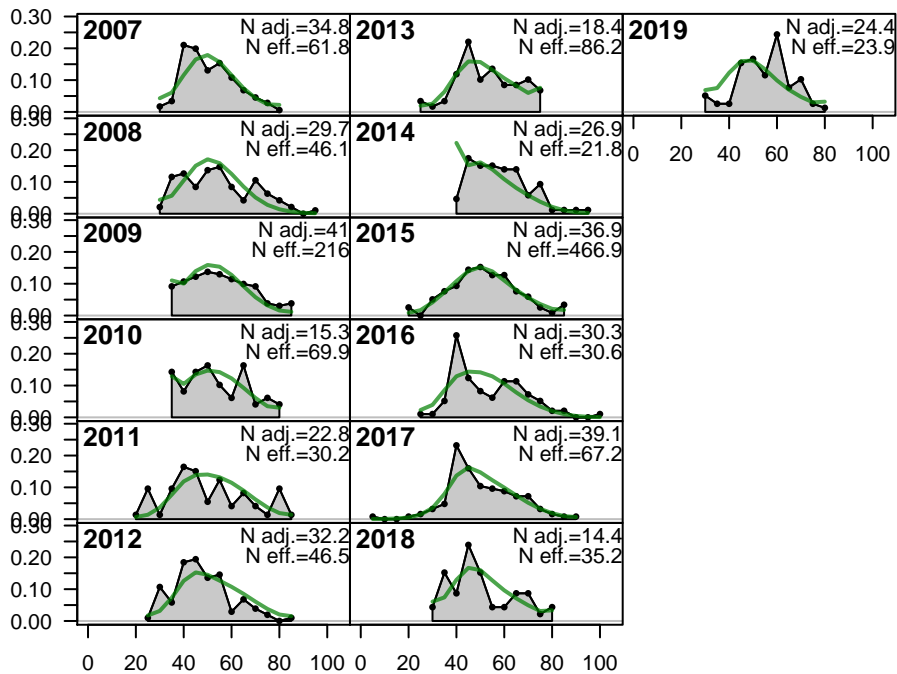
FISHERY

Sum of N adj.=366.2
Sum of N eff.=1202.3

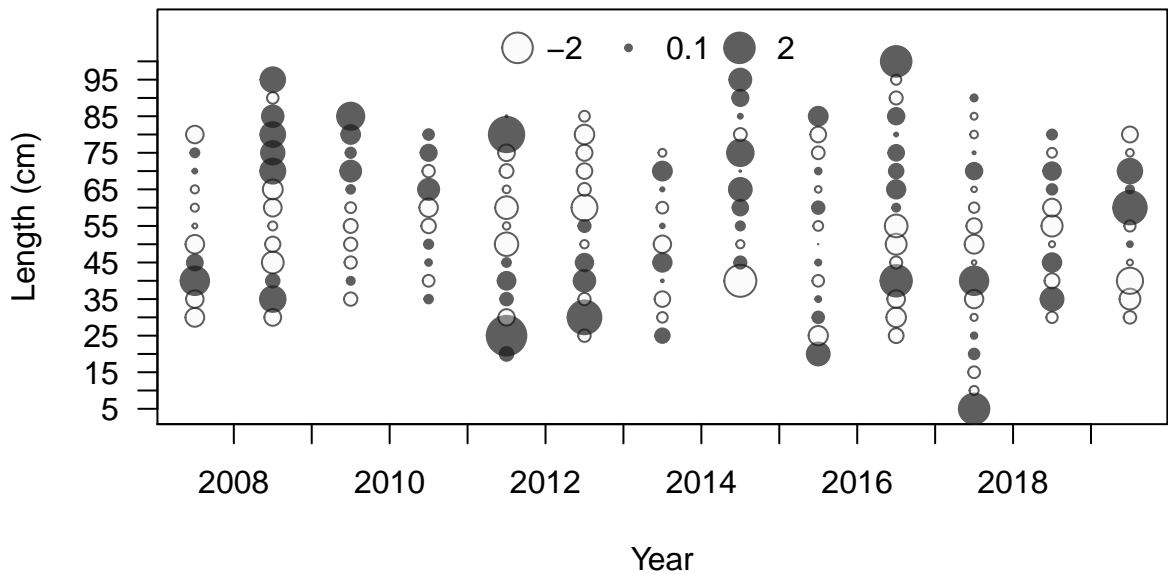




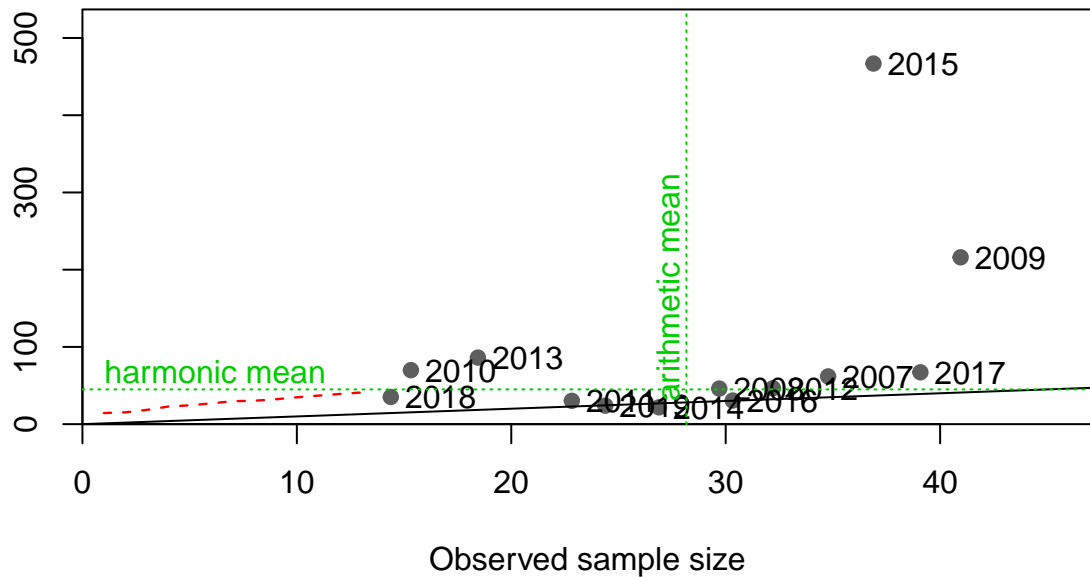
Proportion



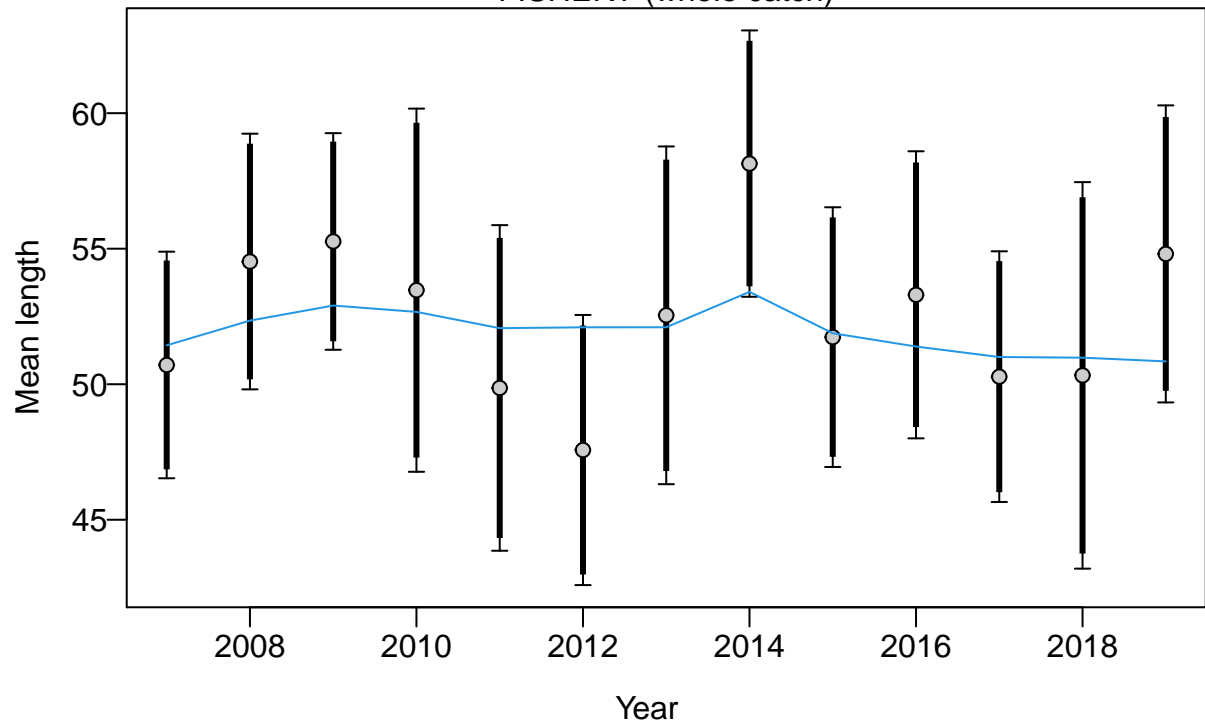
Length (cm)

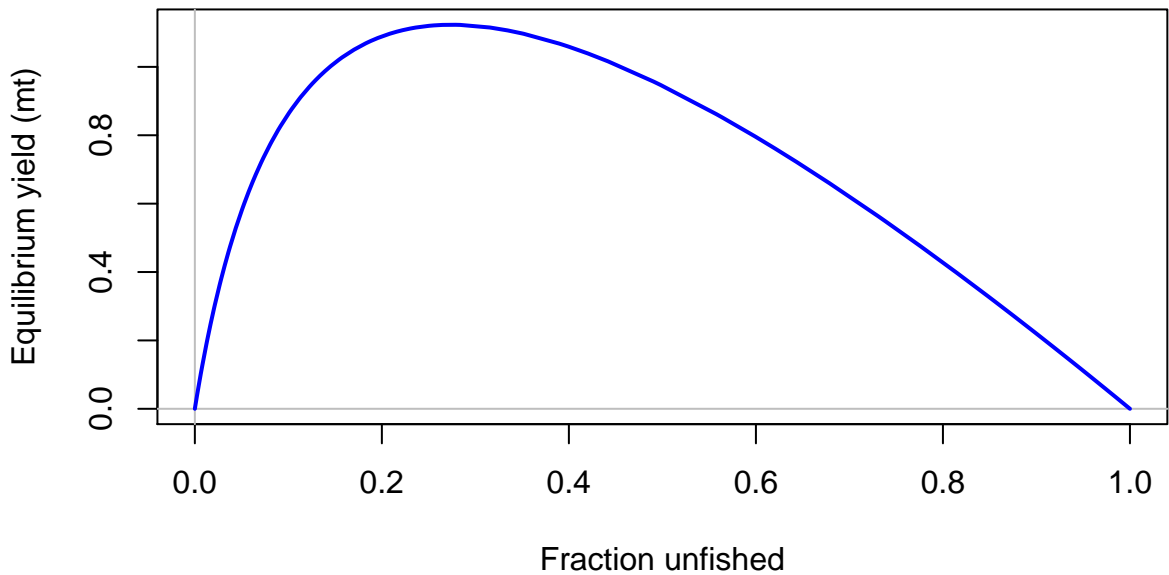


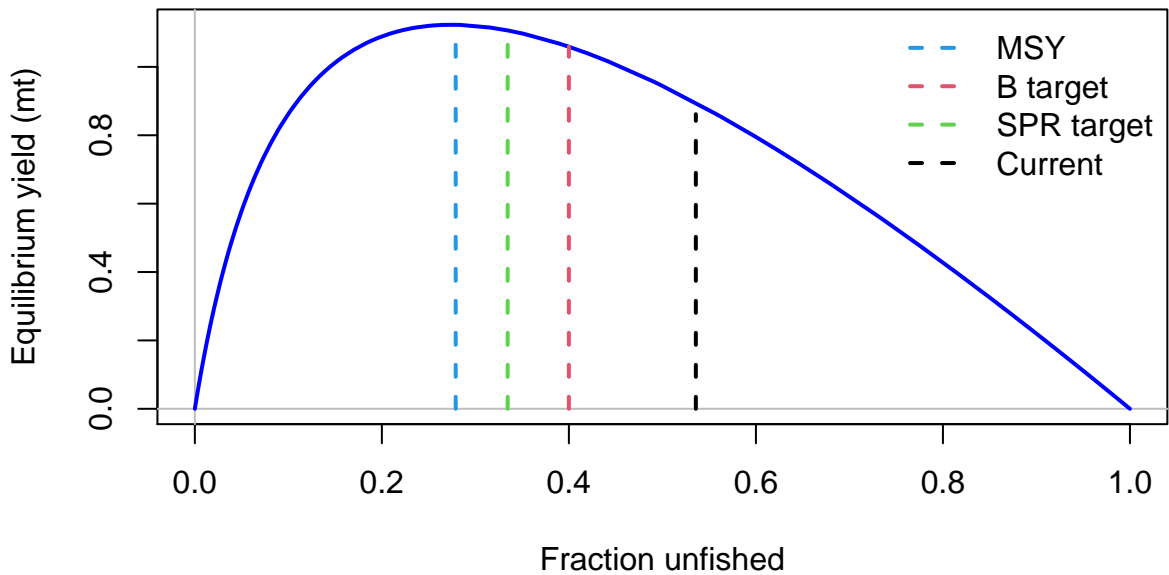
Effective sample size

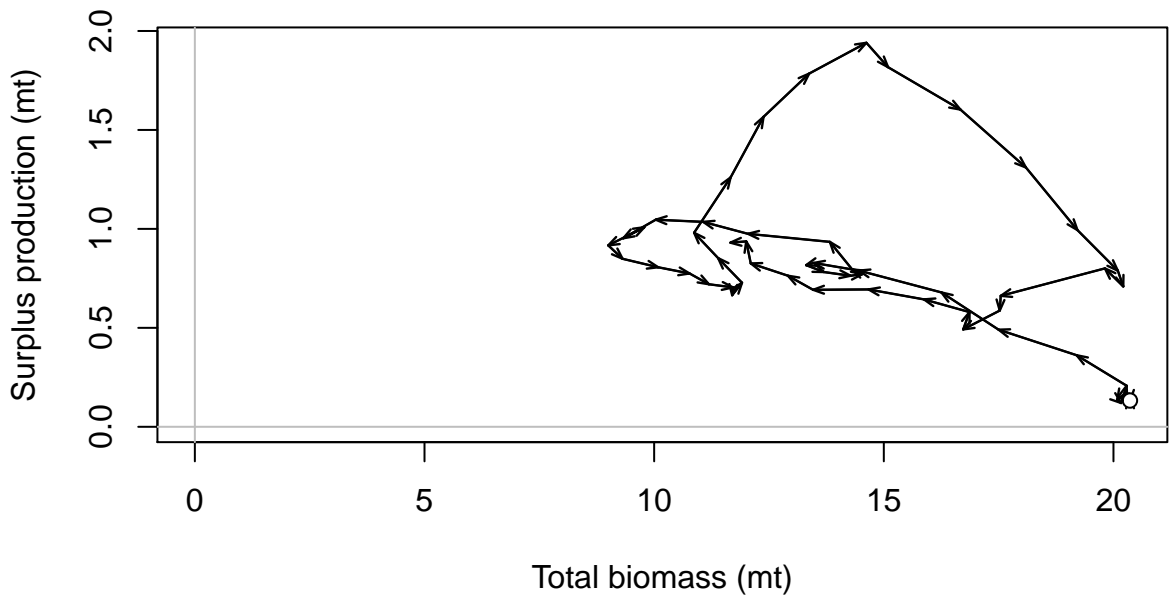


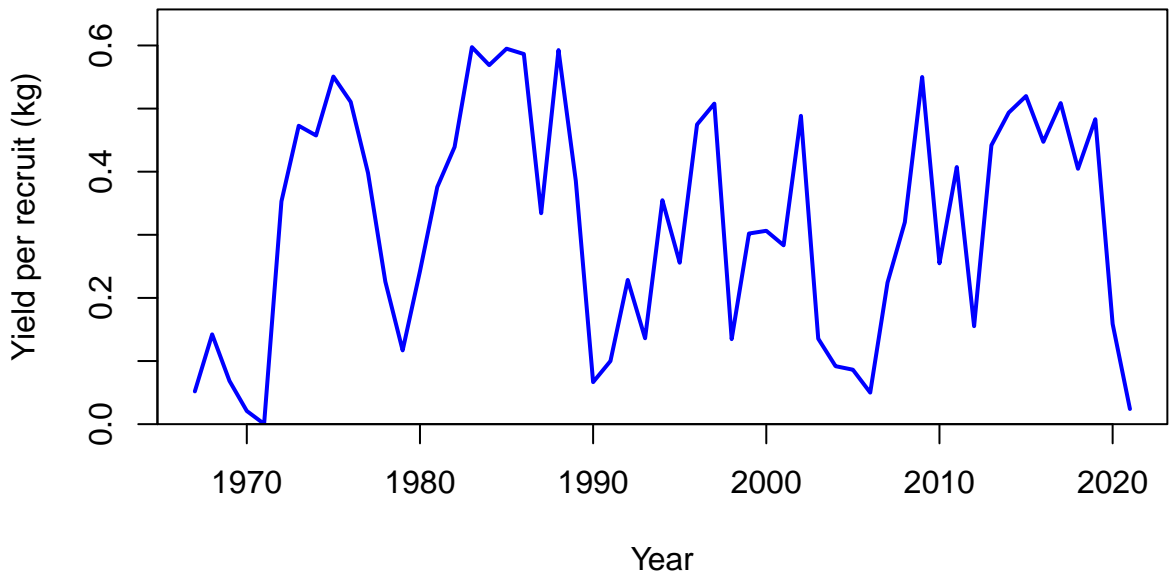
FISHERY (whole catch)

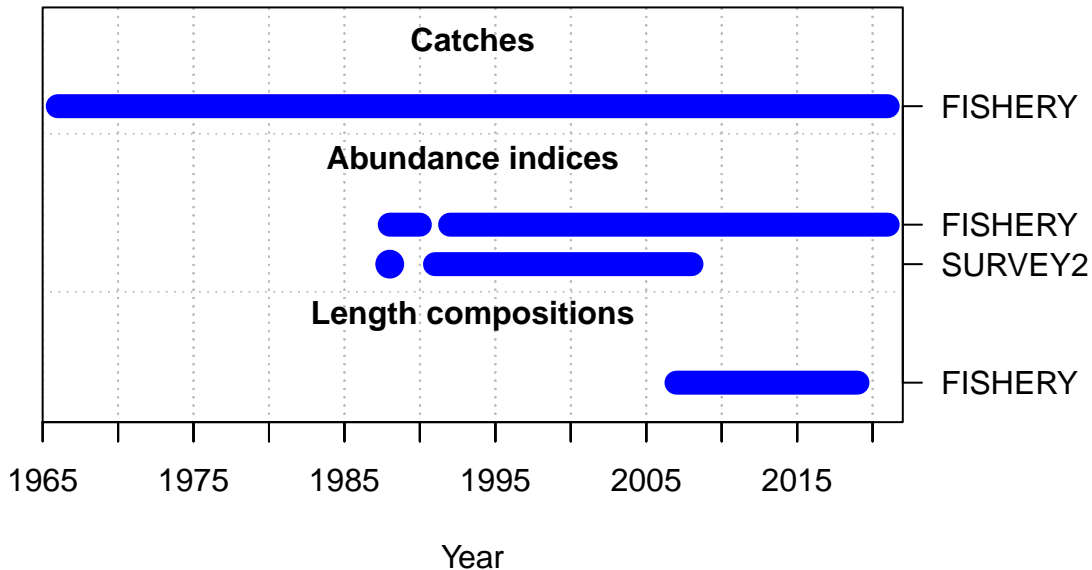


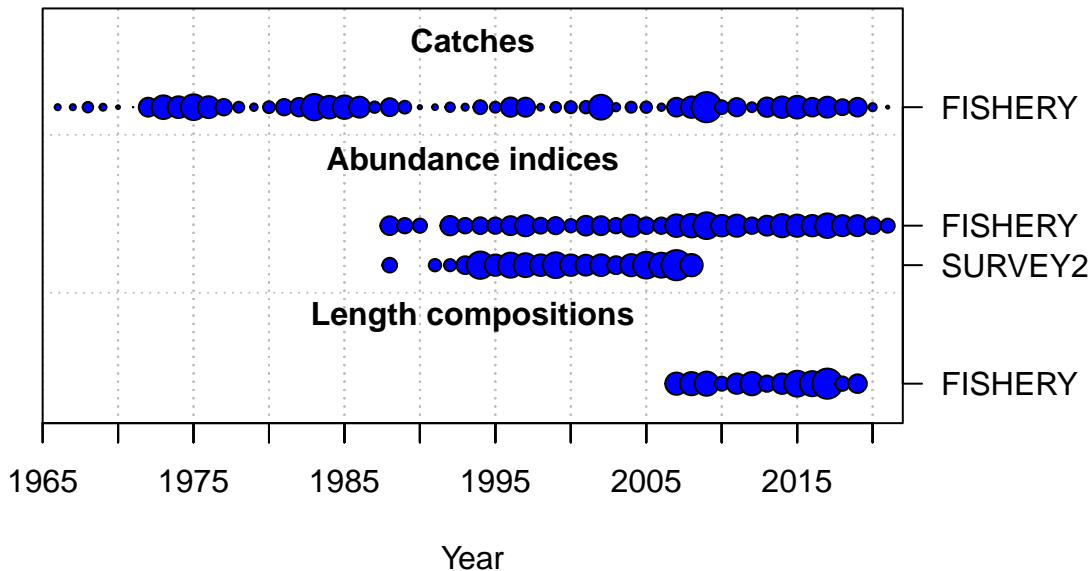




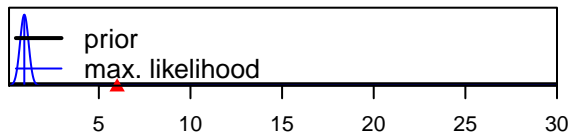




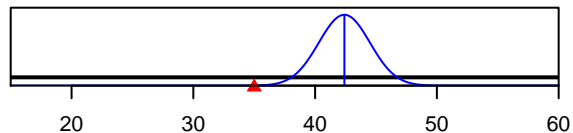




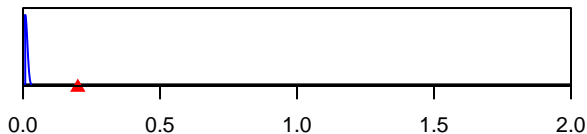
SR_LN(R0)



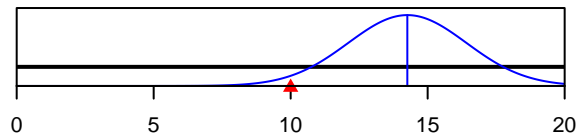
Size_inflection_FISHERY(1)



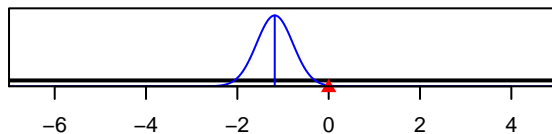
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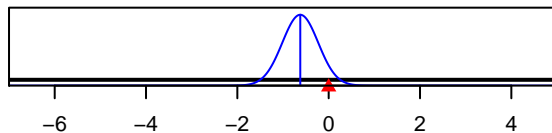
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value