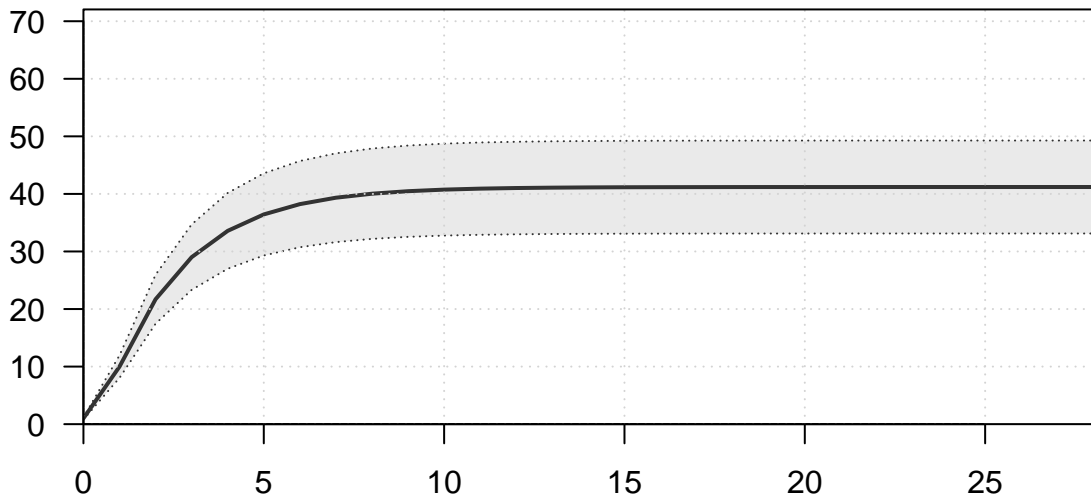
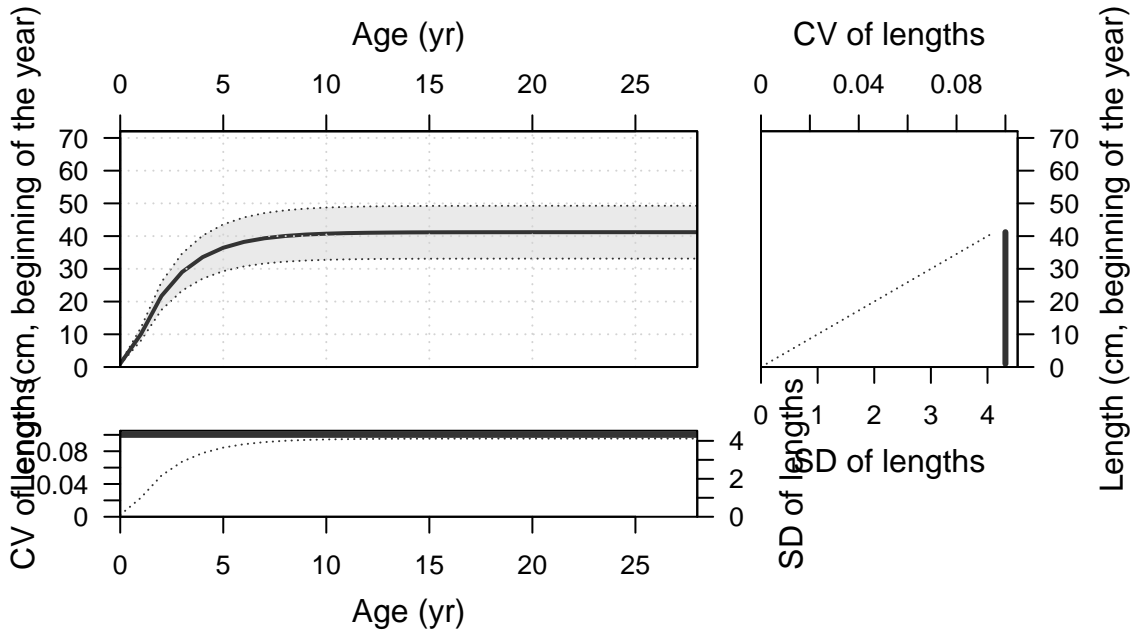


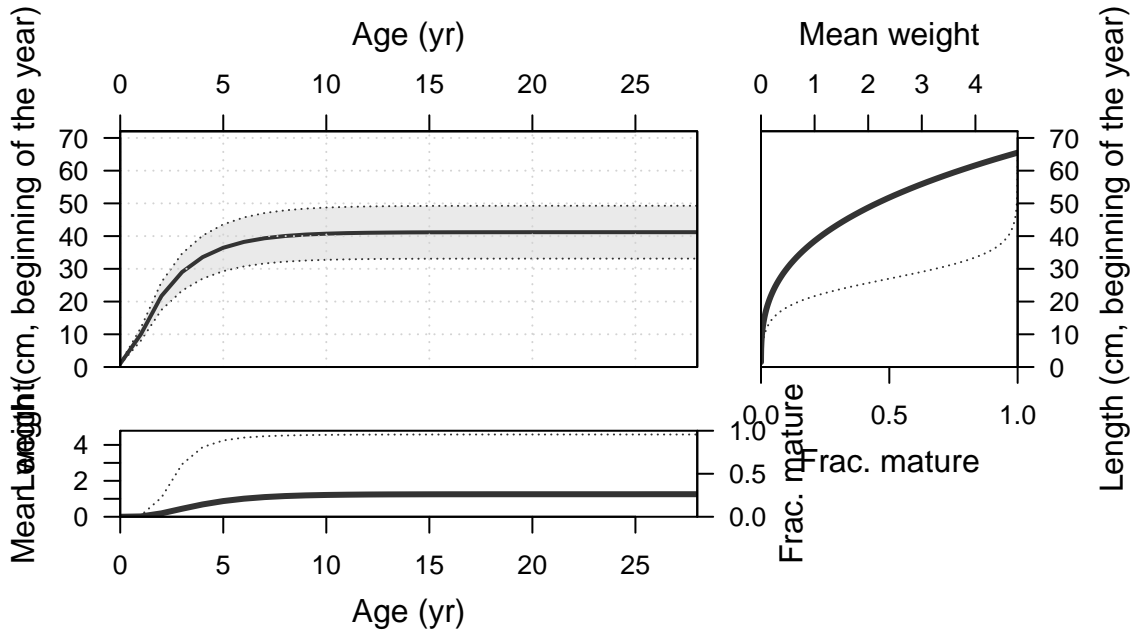
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Fri Jul 01 13:26:47 2022
Data_File: data.ss
Control_File: control.ss

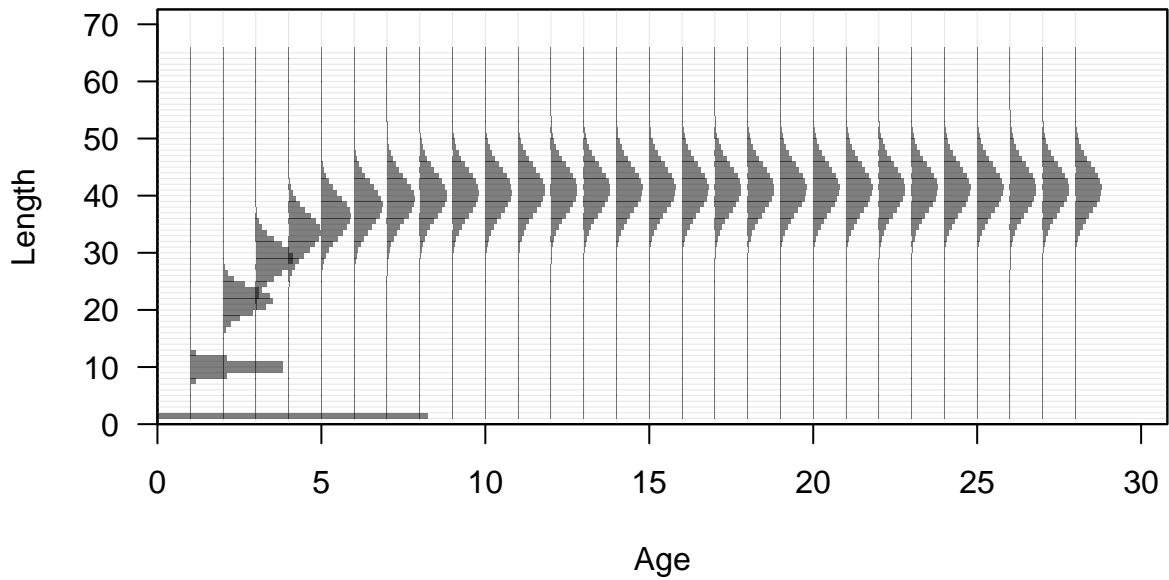
Length (cm, beginning of the year)

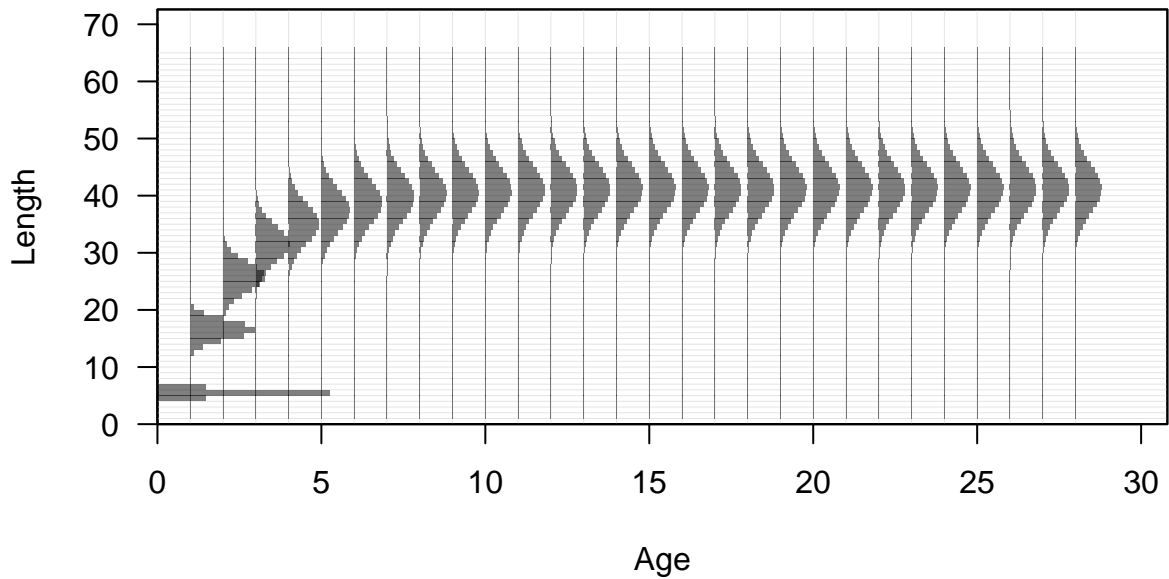


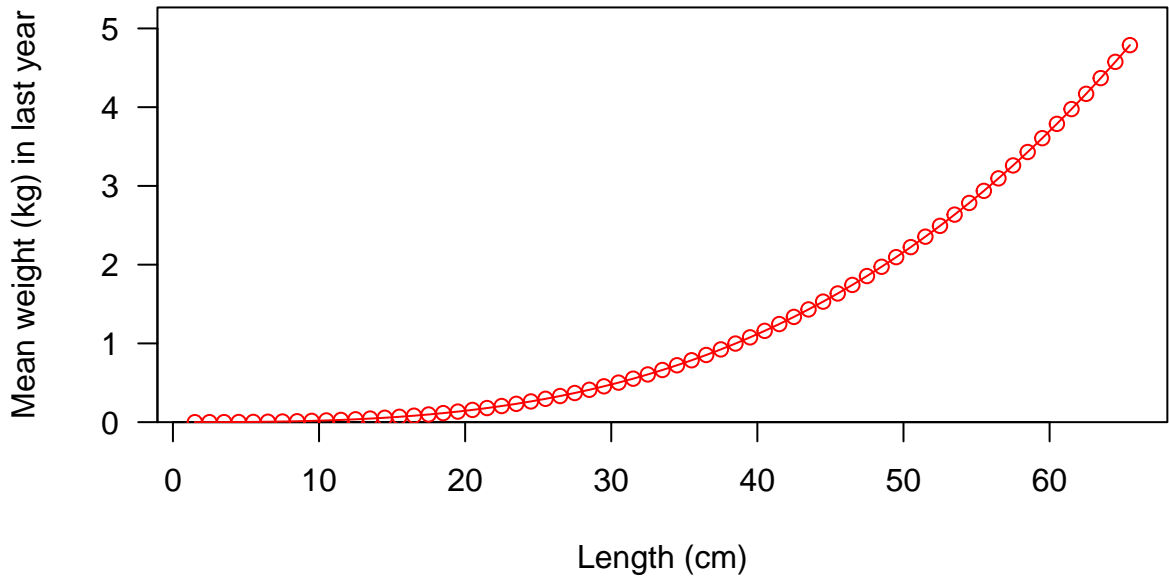
Age (yr)

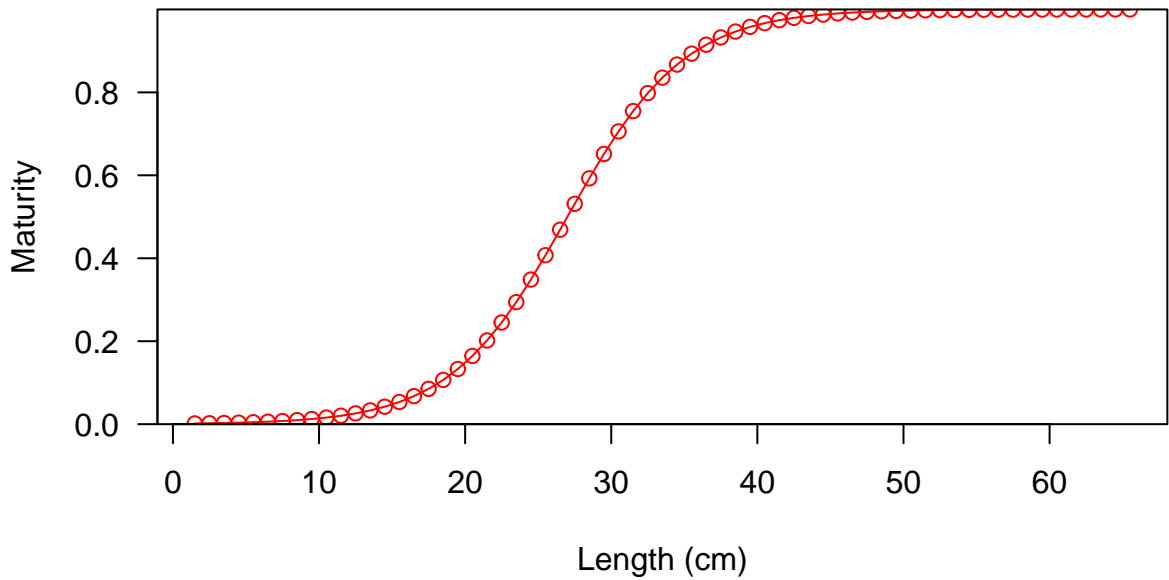


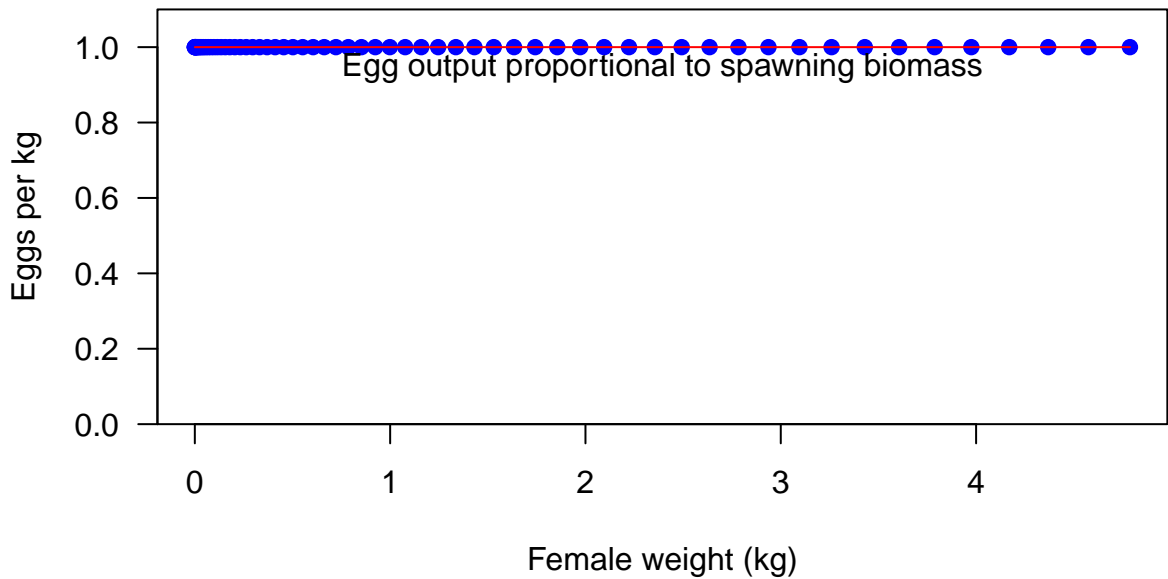




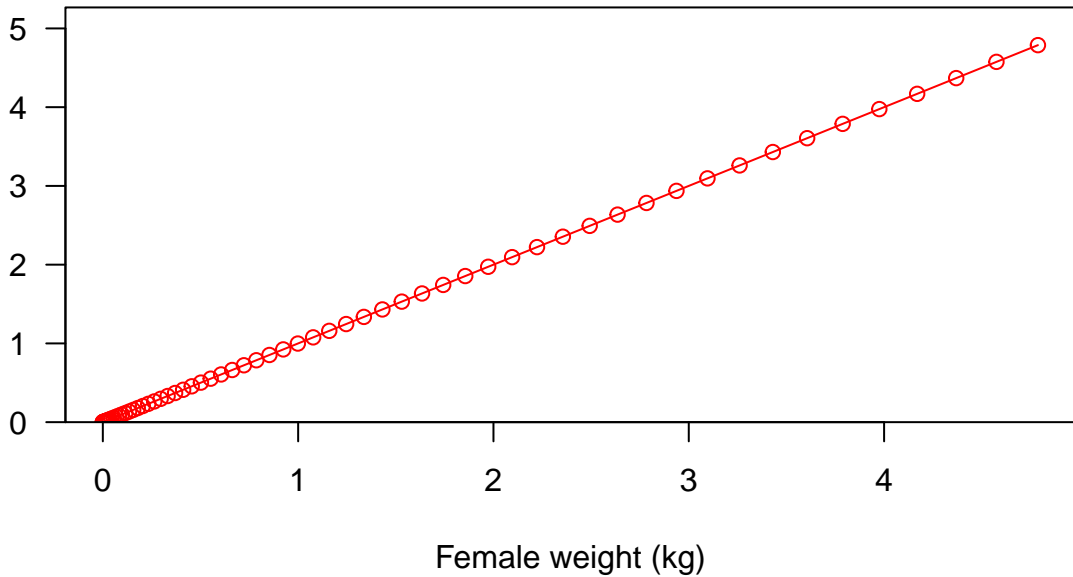




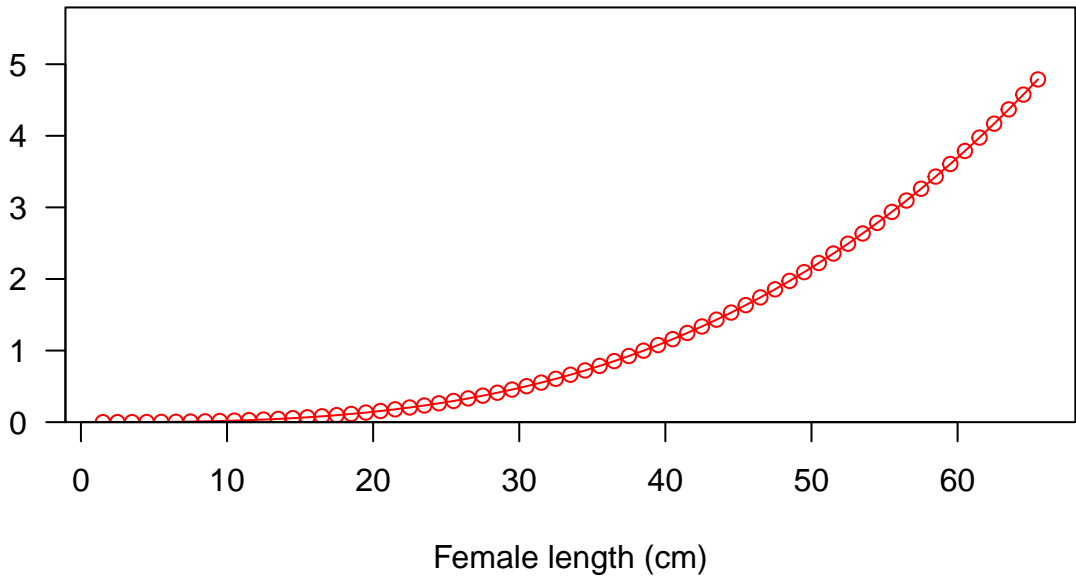




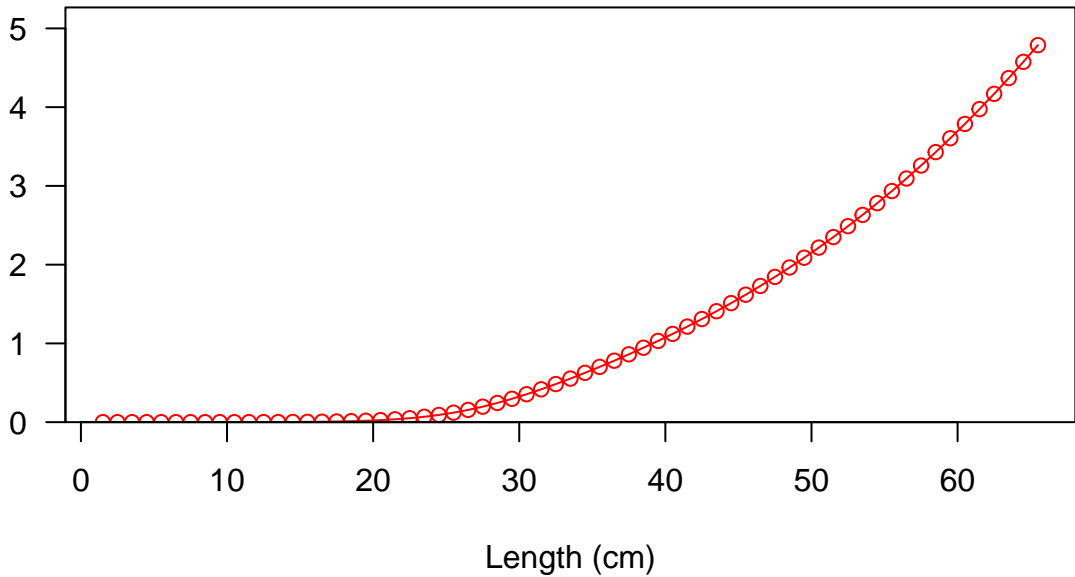
Fecundity

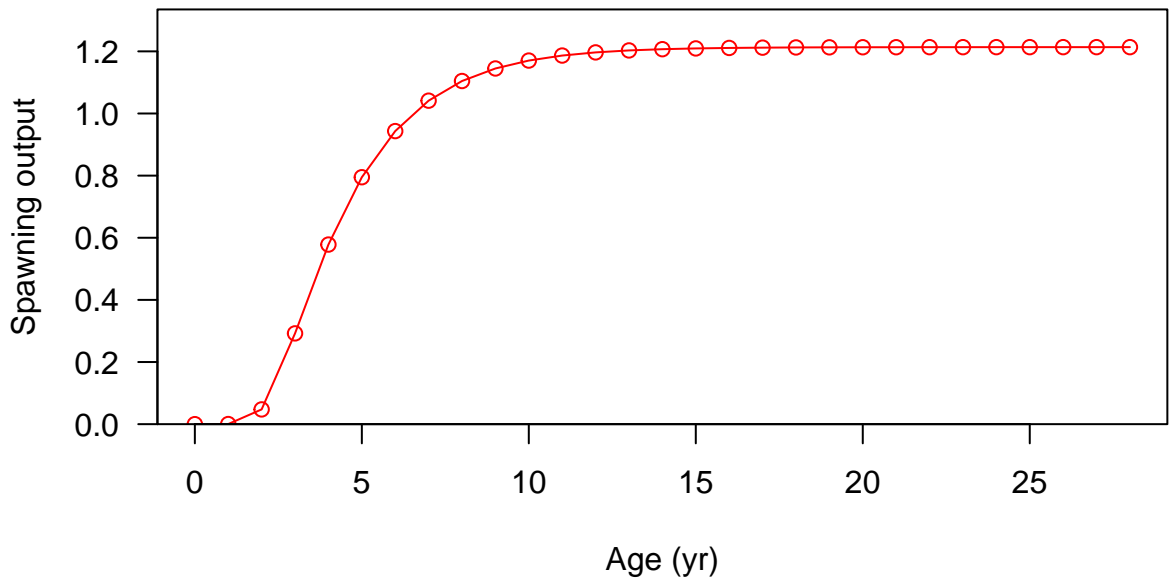


Fecundity

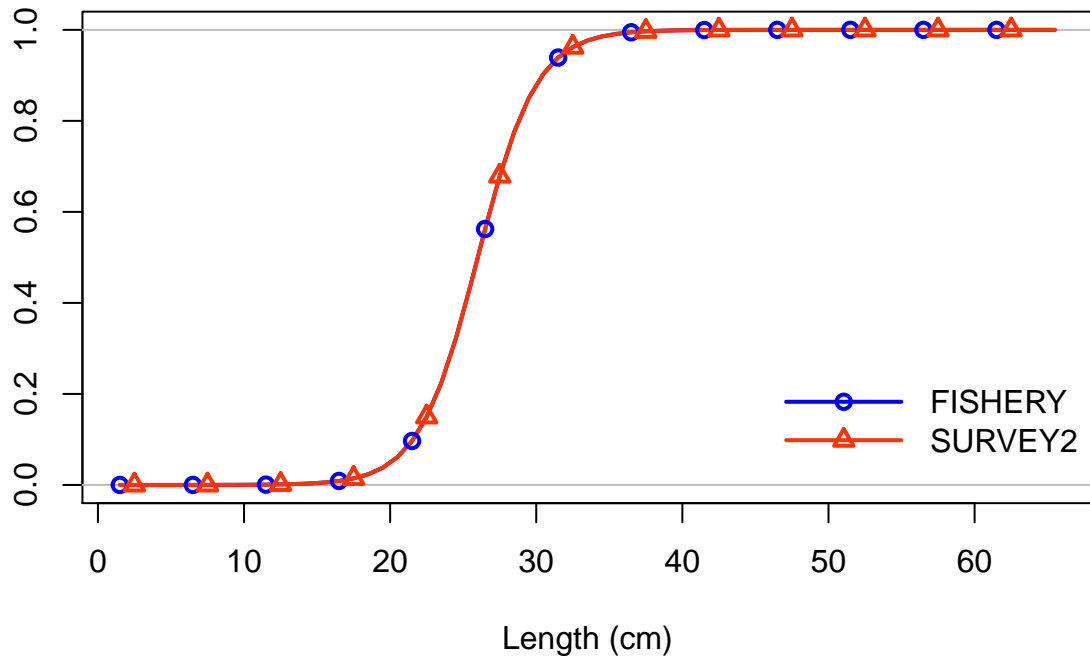


Spawning output

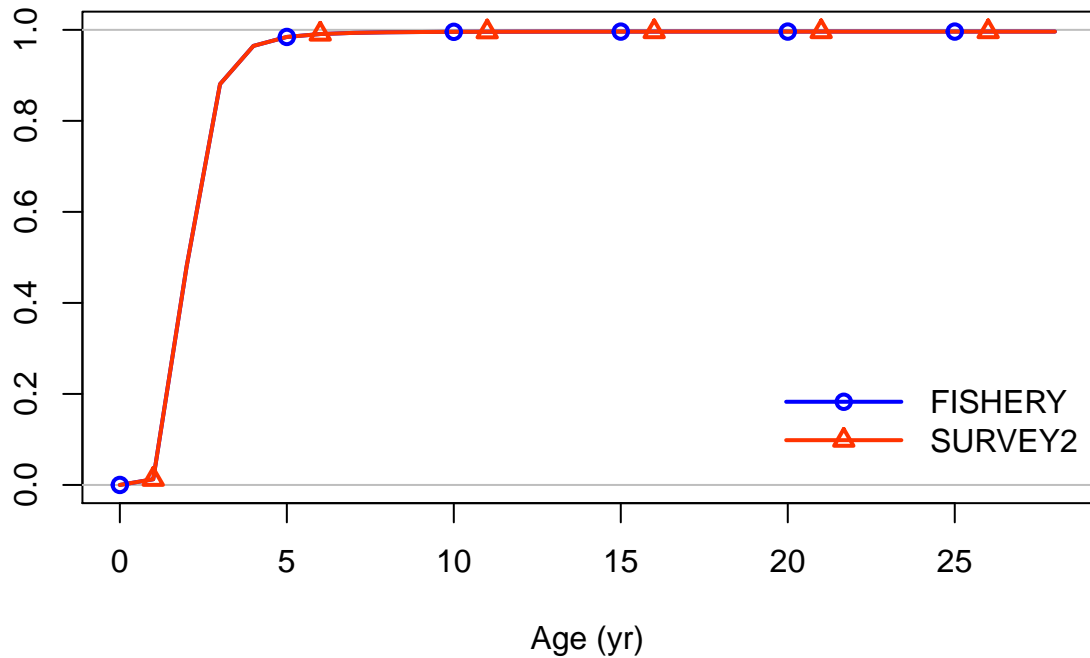




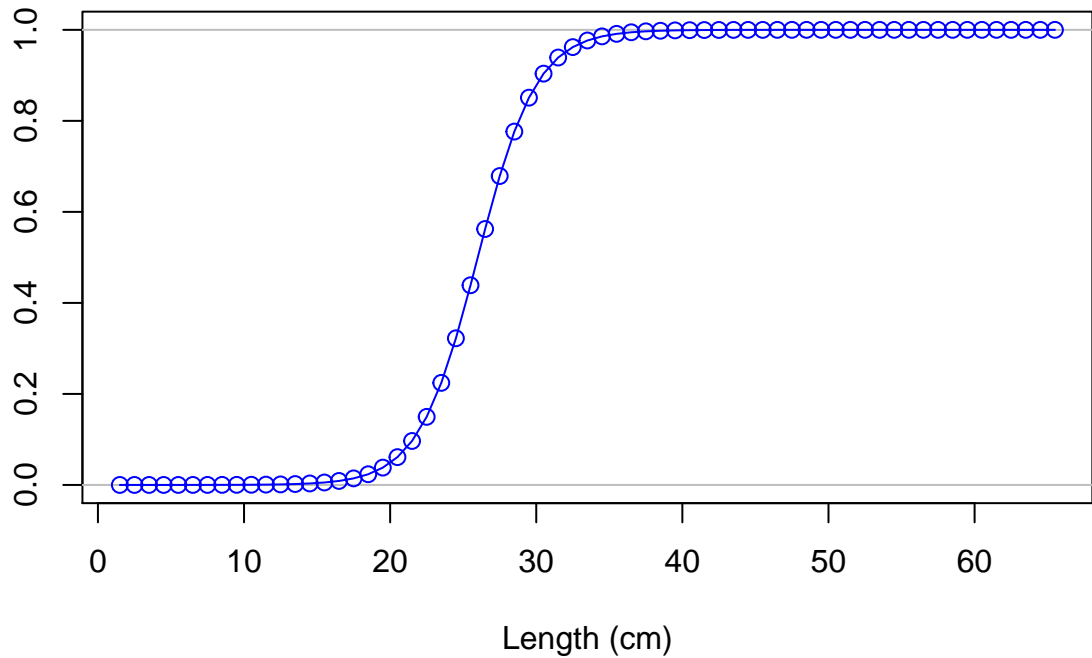
Selectivity



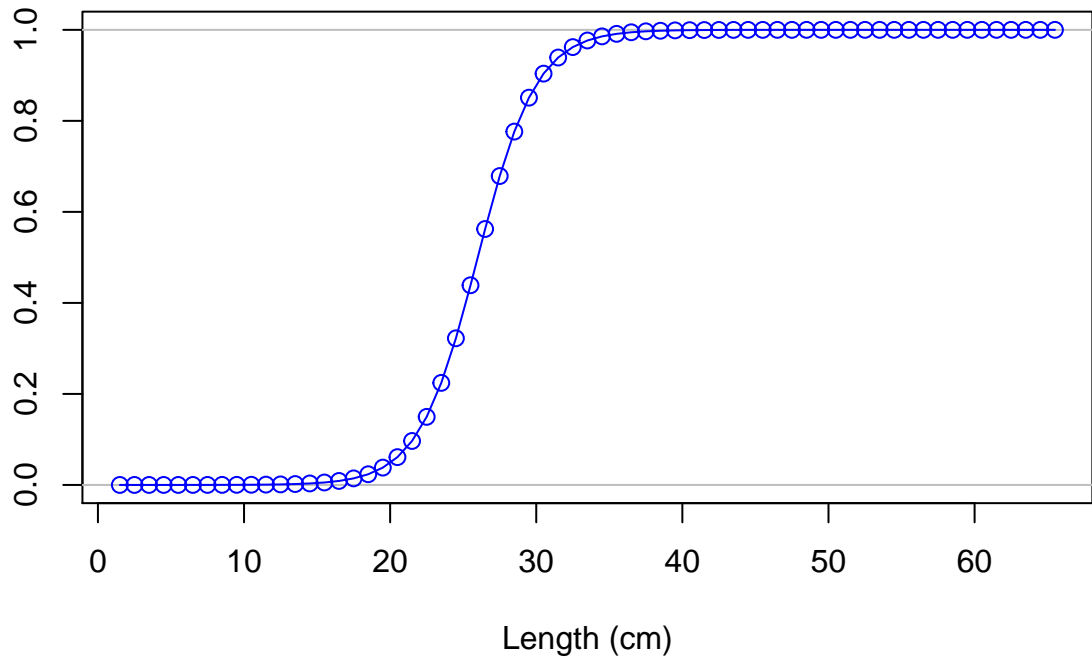
Selectivity

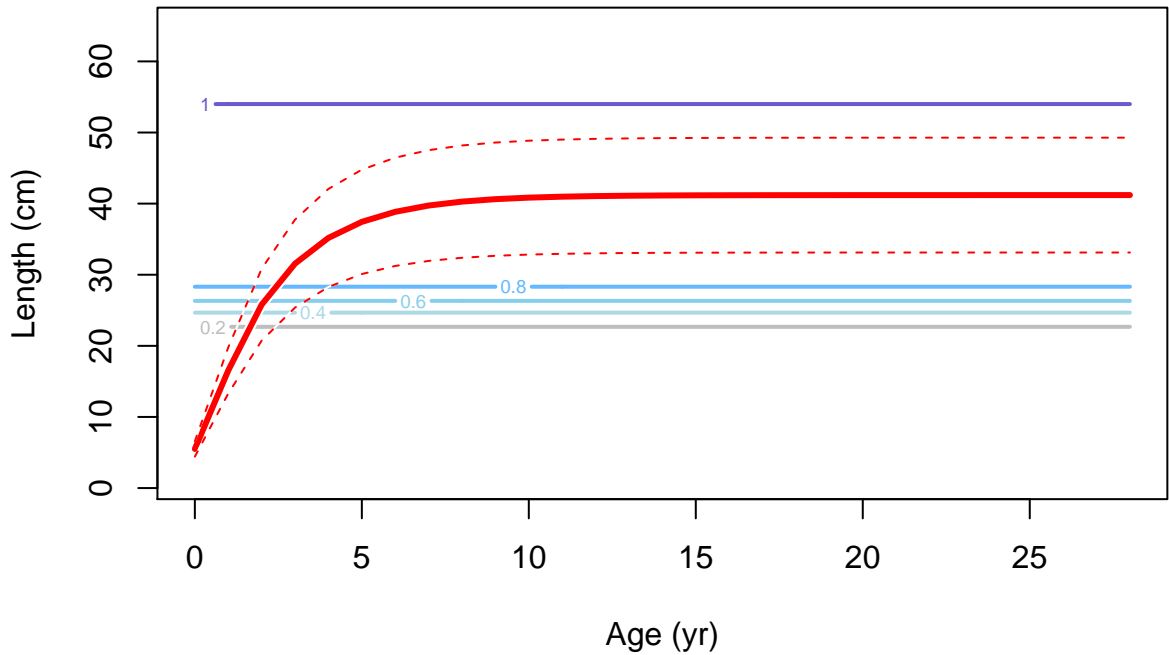


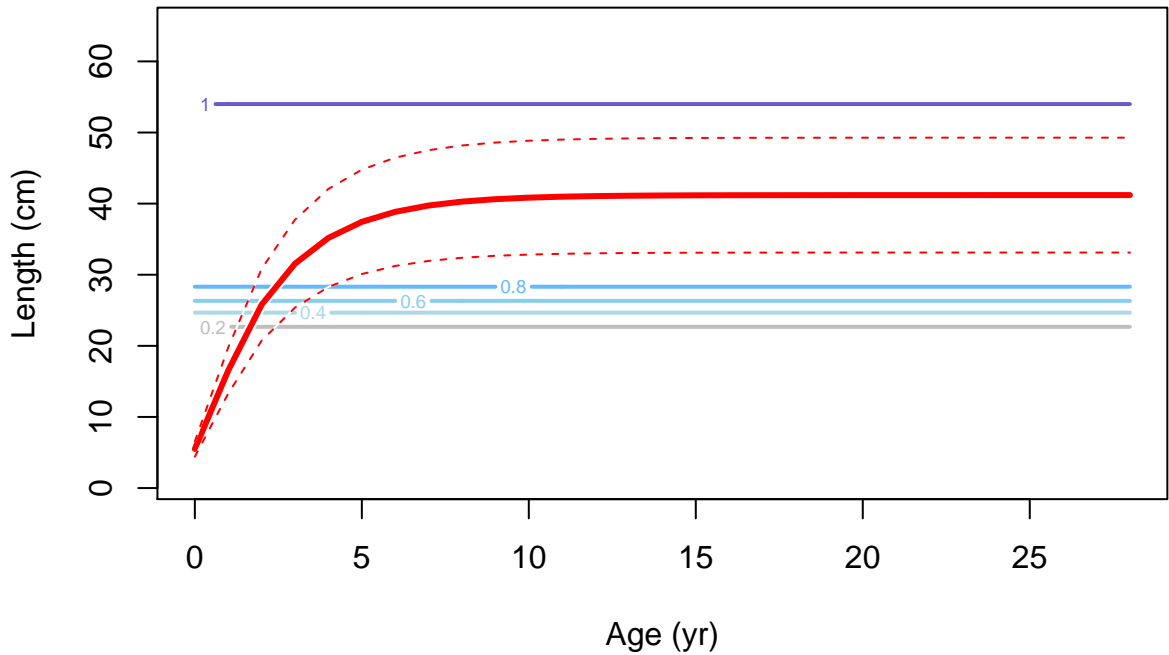
Selectivity

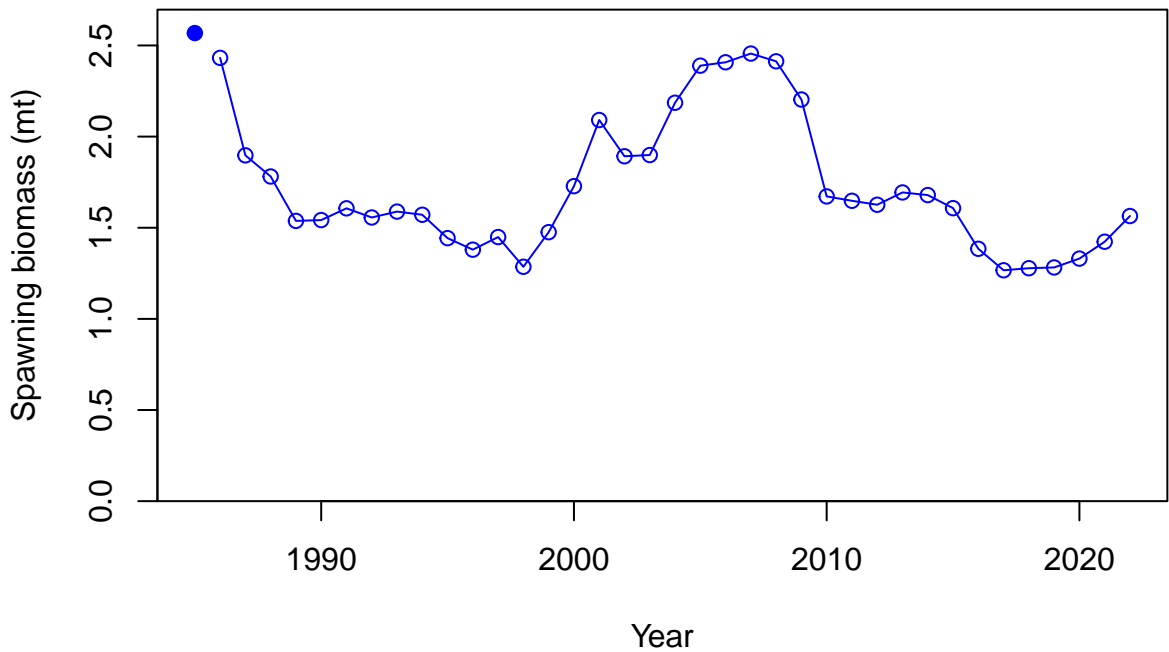


Selectivity

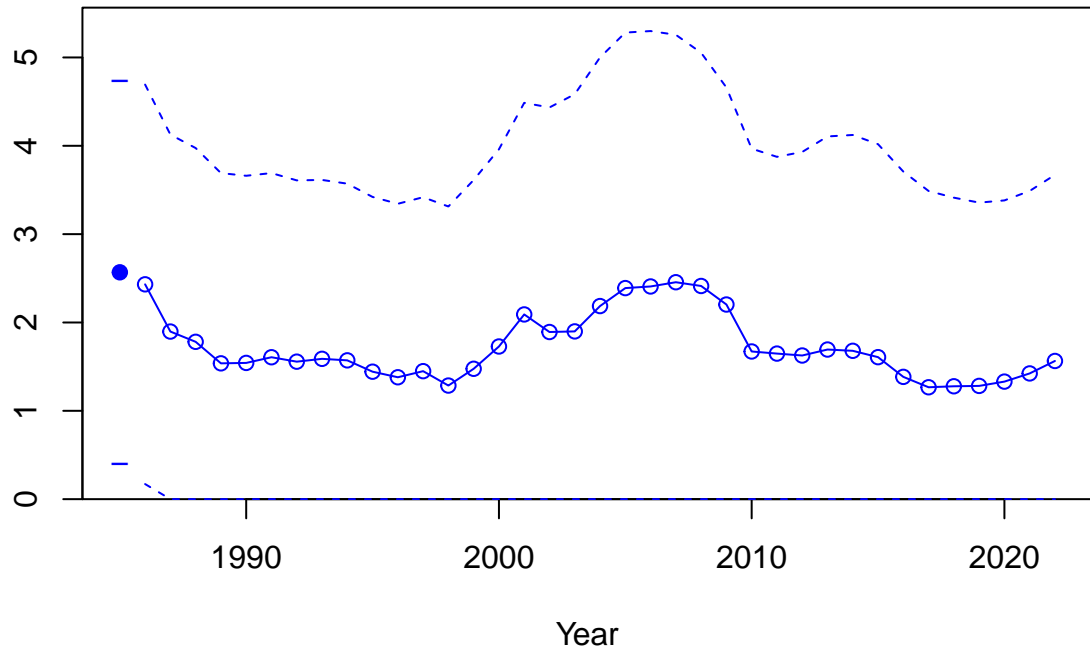




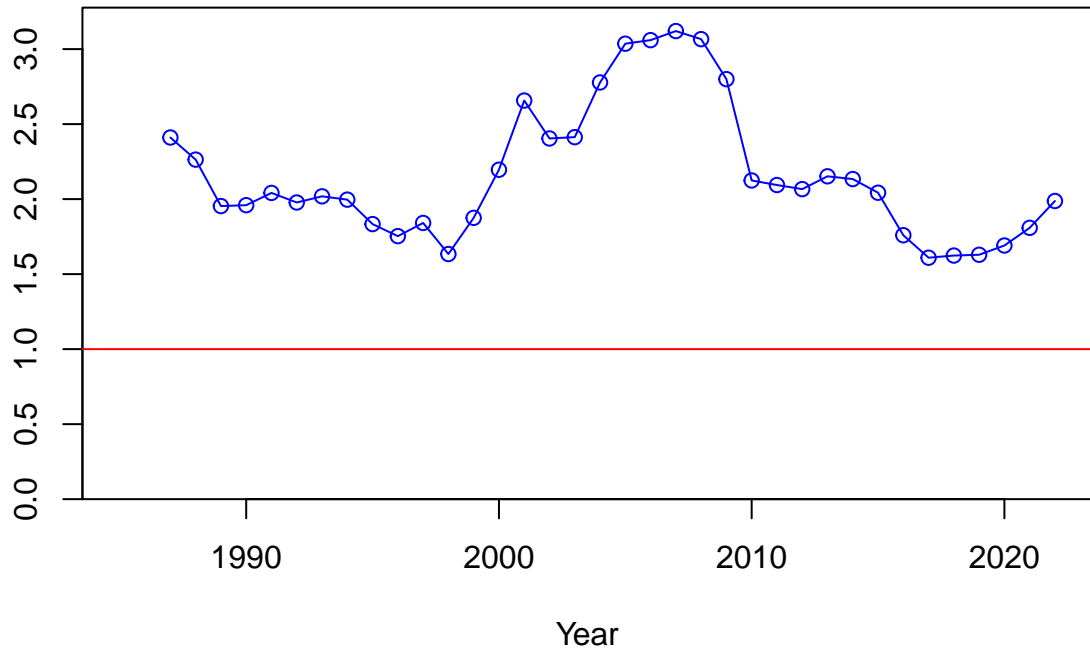




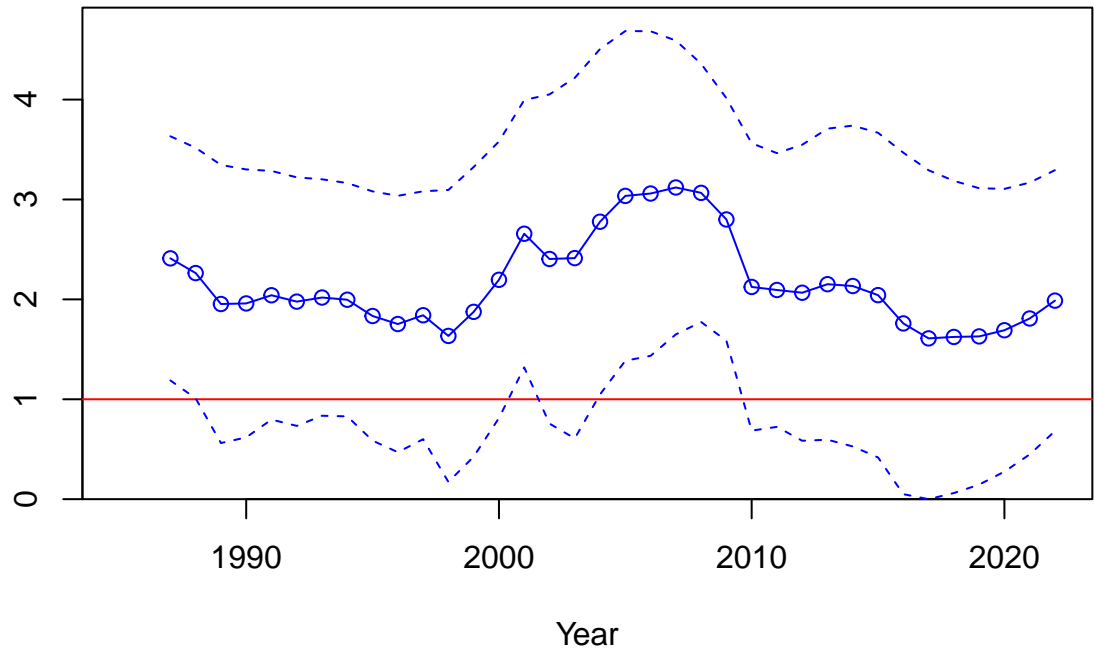
Spawning biomass (mt)

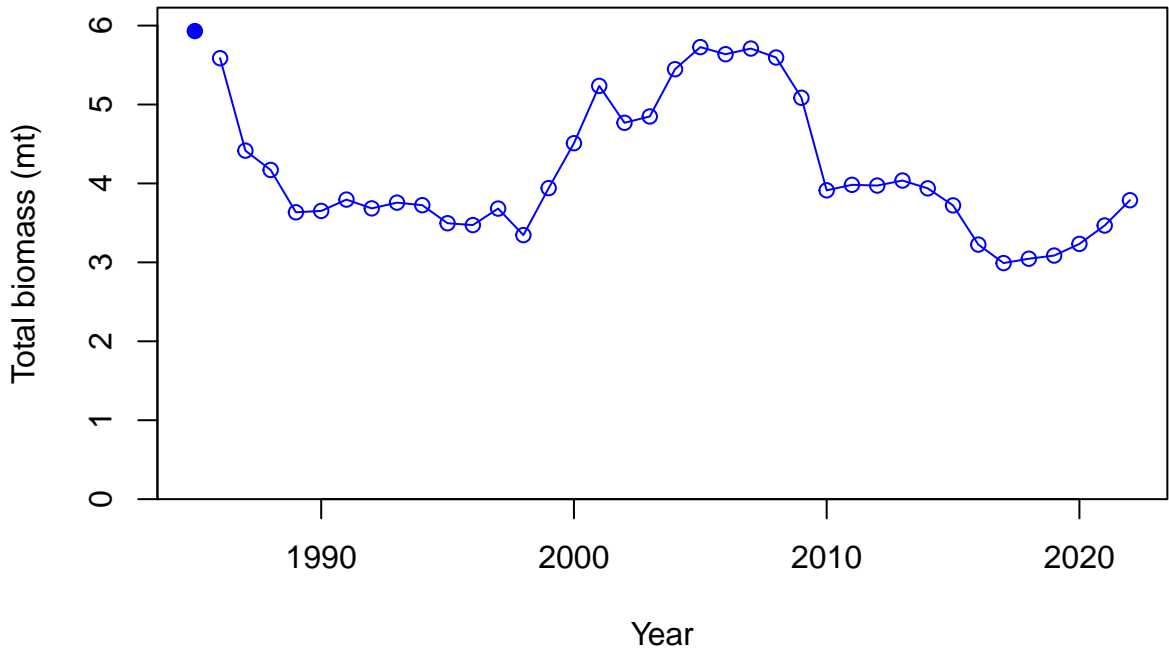


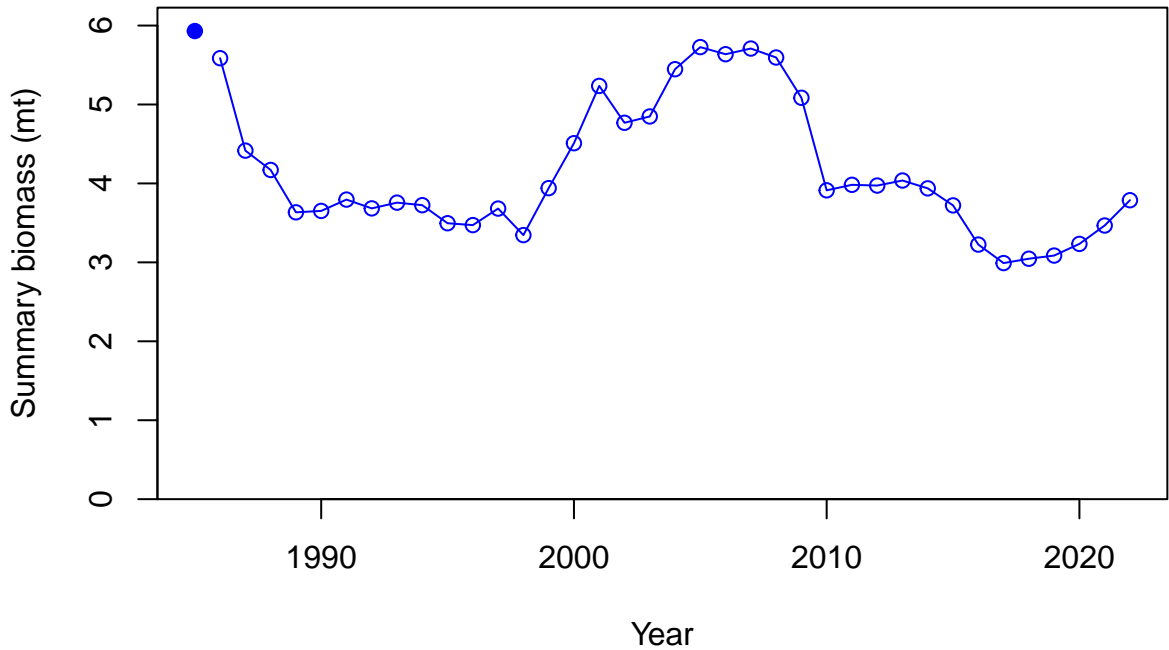
Relative spawning biomass: B/B_{MSY}



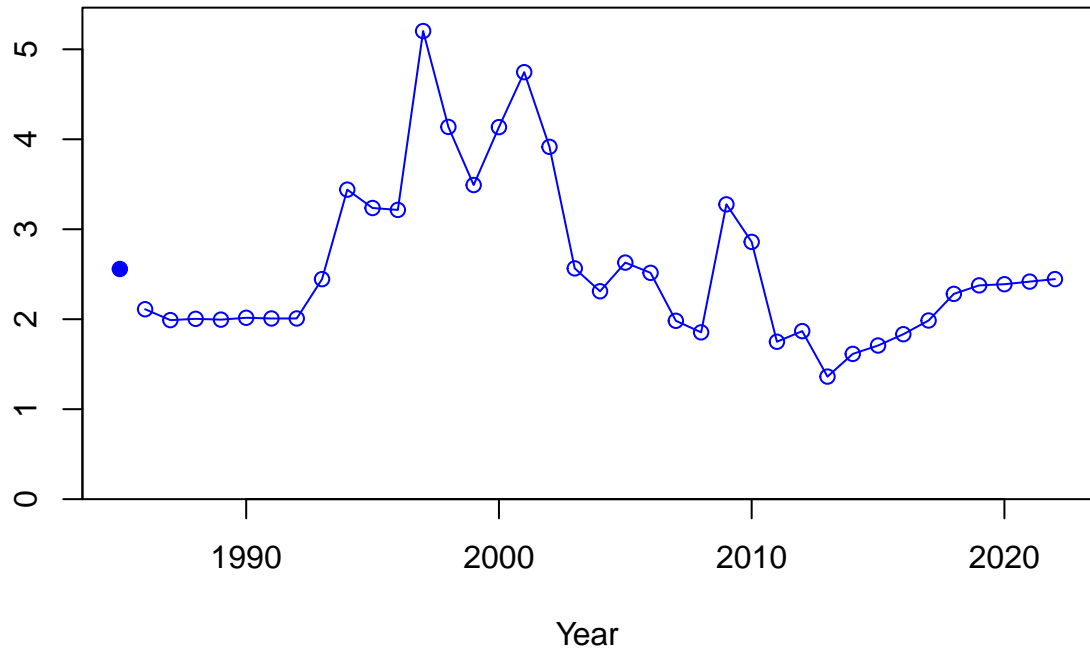
Relative spawning biomass: B/B_{MSY}



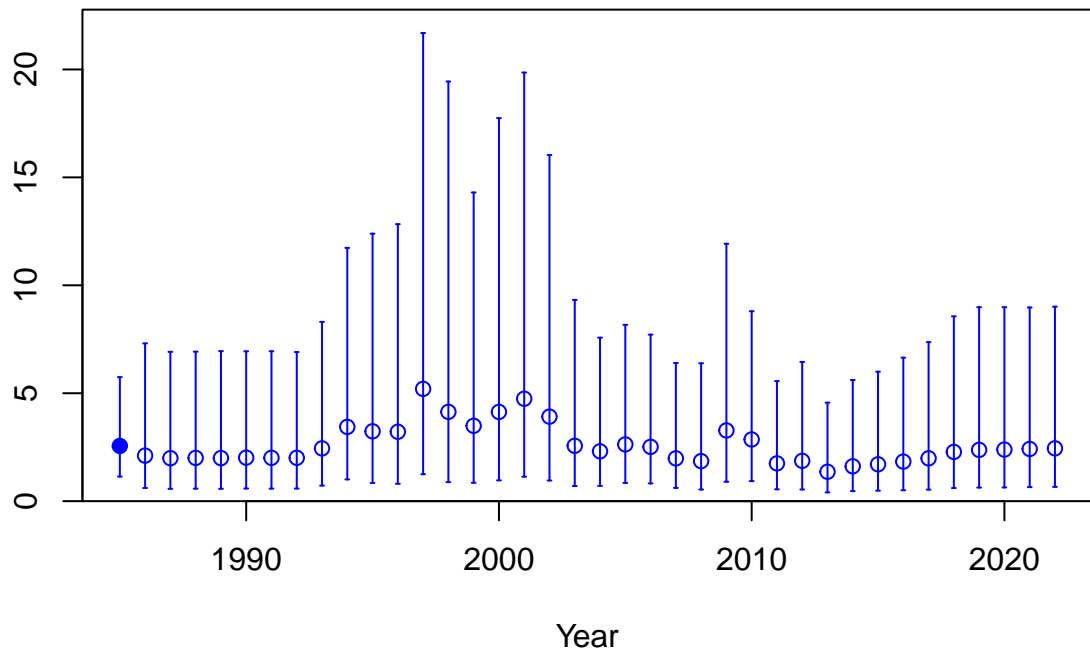




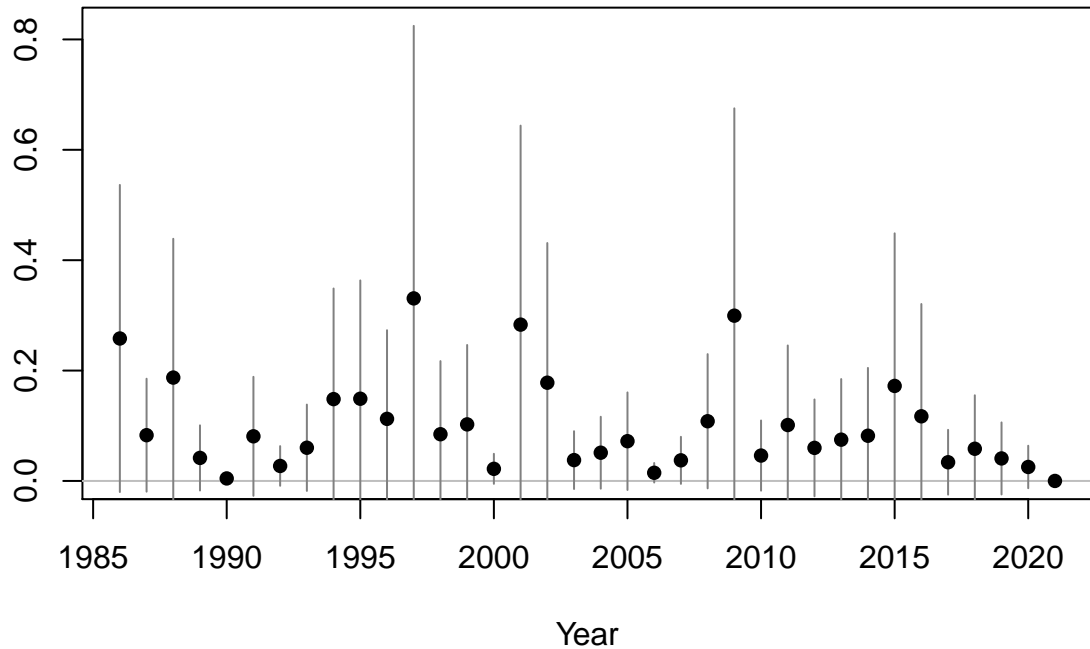
Age-0 recruits (1,000s)



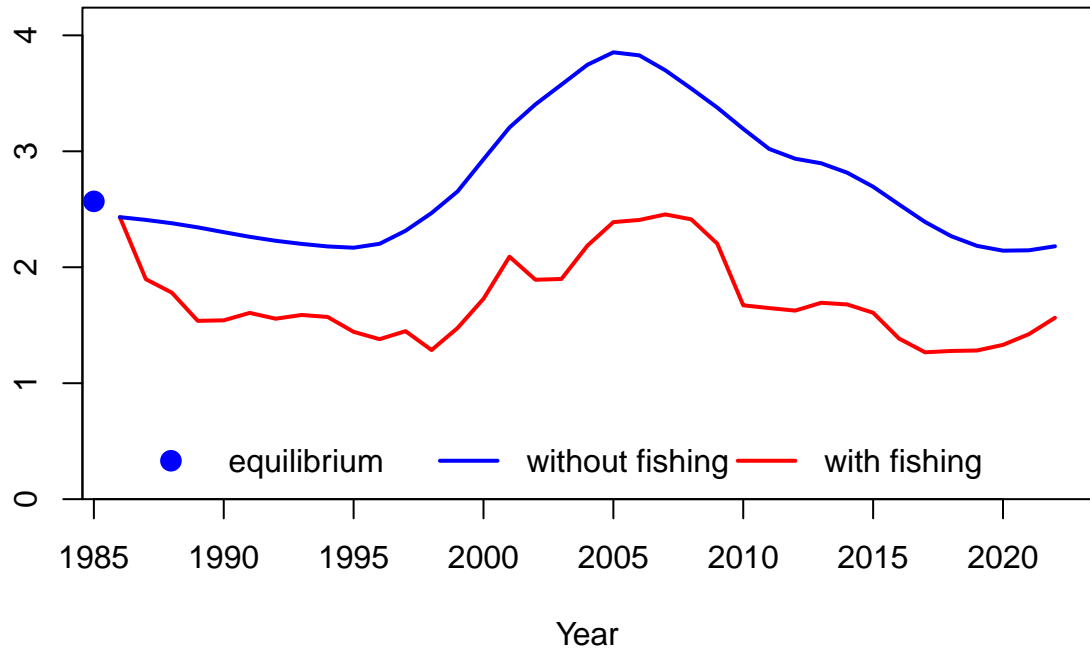
Age-0 recruits (1,000s)



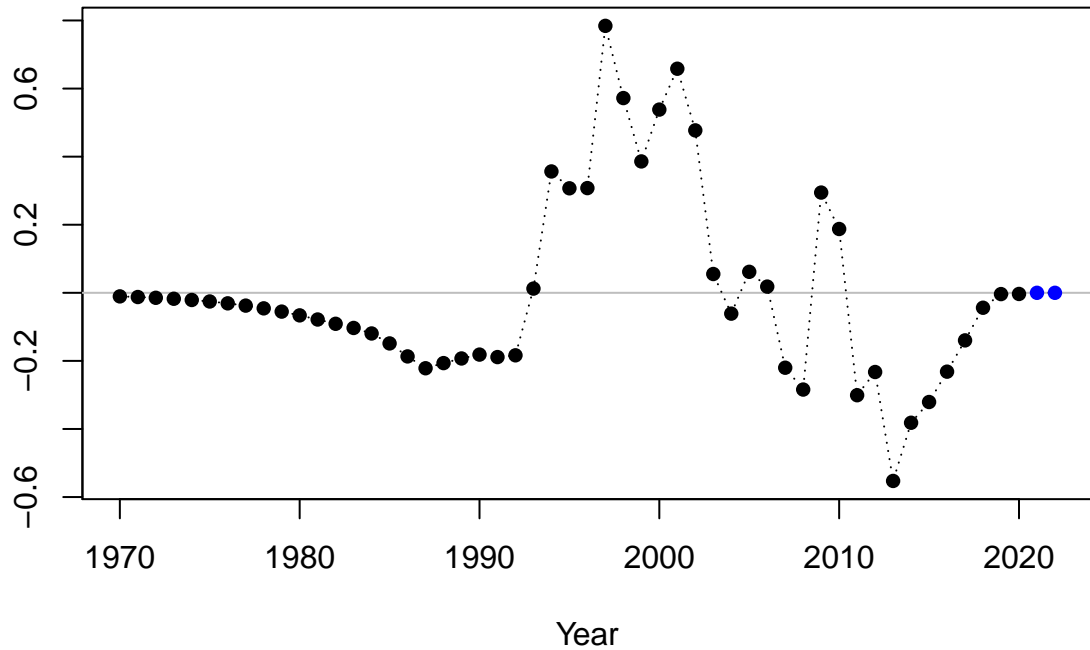
Summary Fishing Mortality



Spawning biomass (mt)

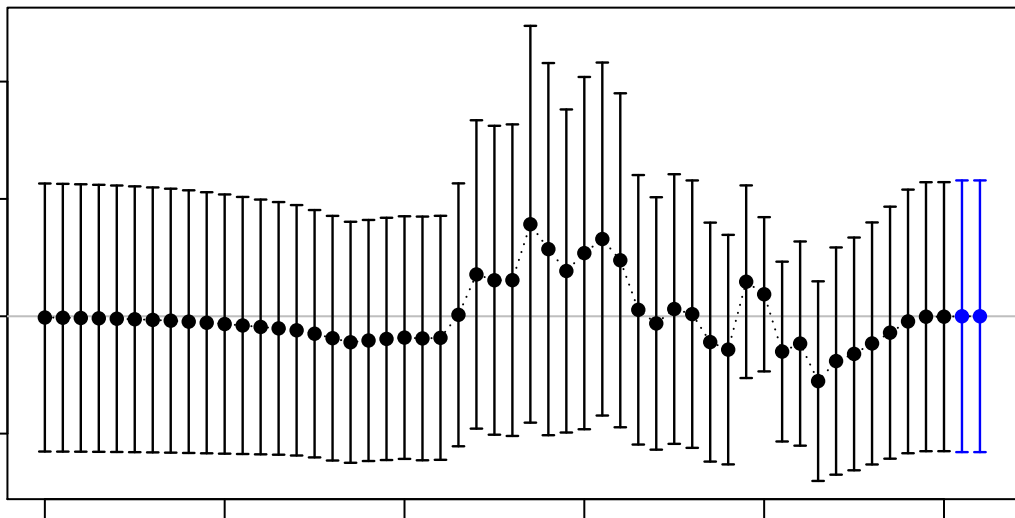


Log recruitment deviation



Log recruitment deviation

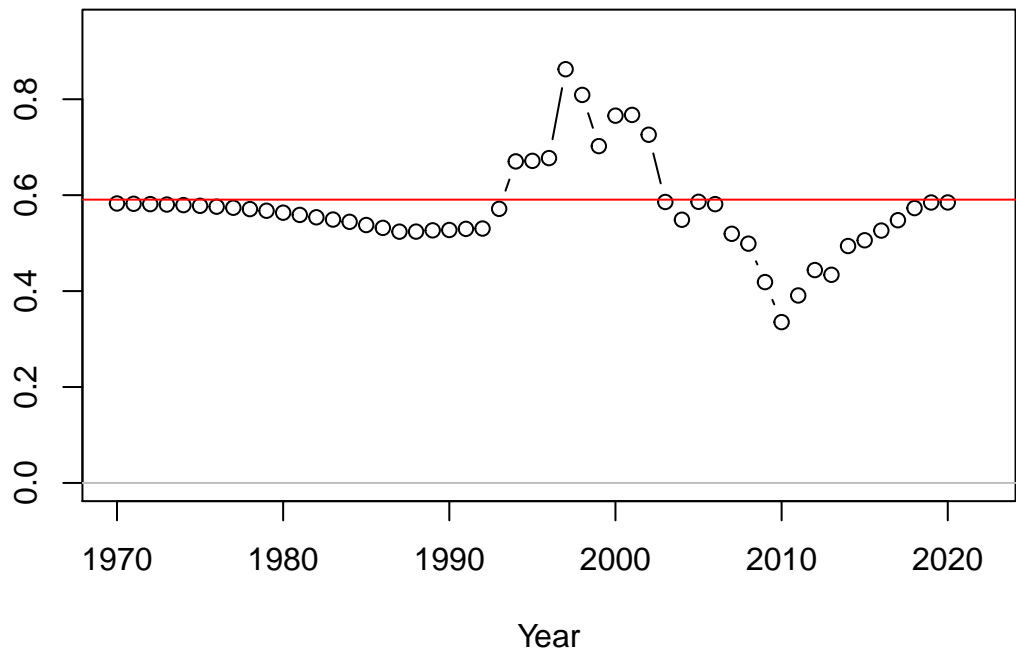
2
1
0
-1

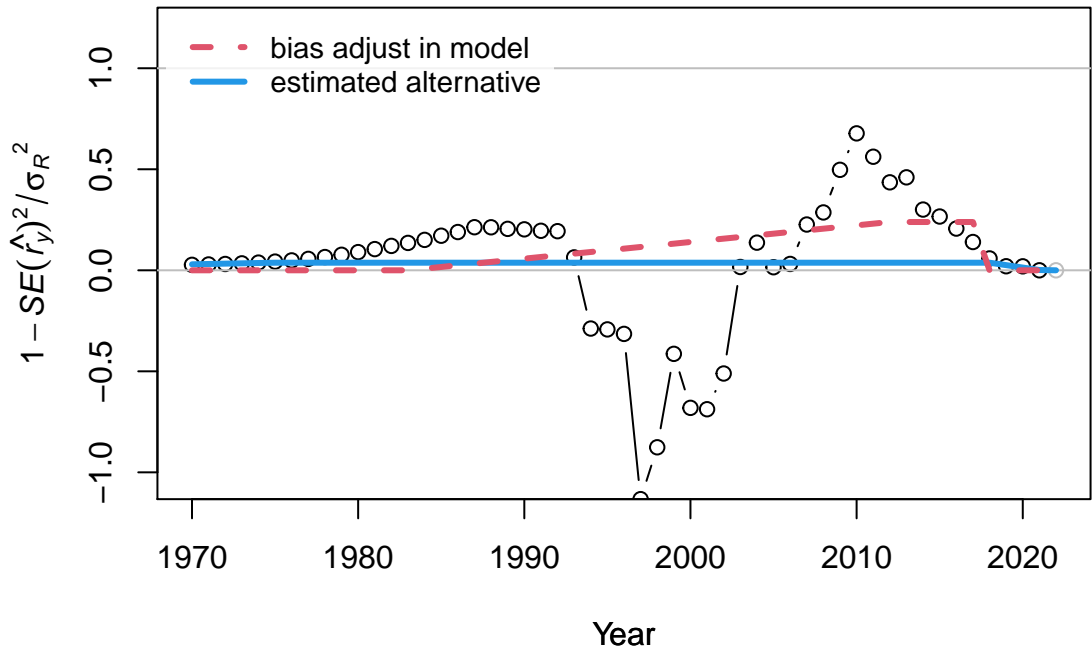


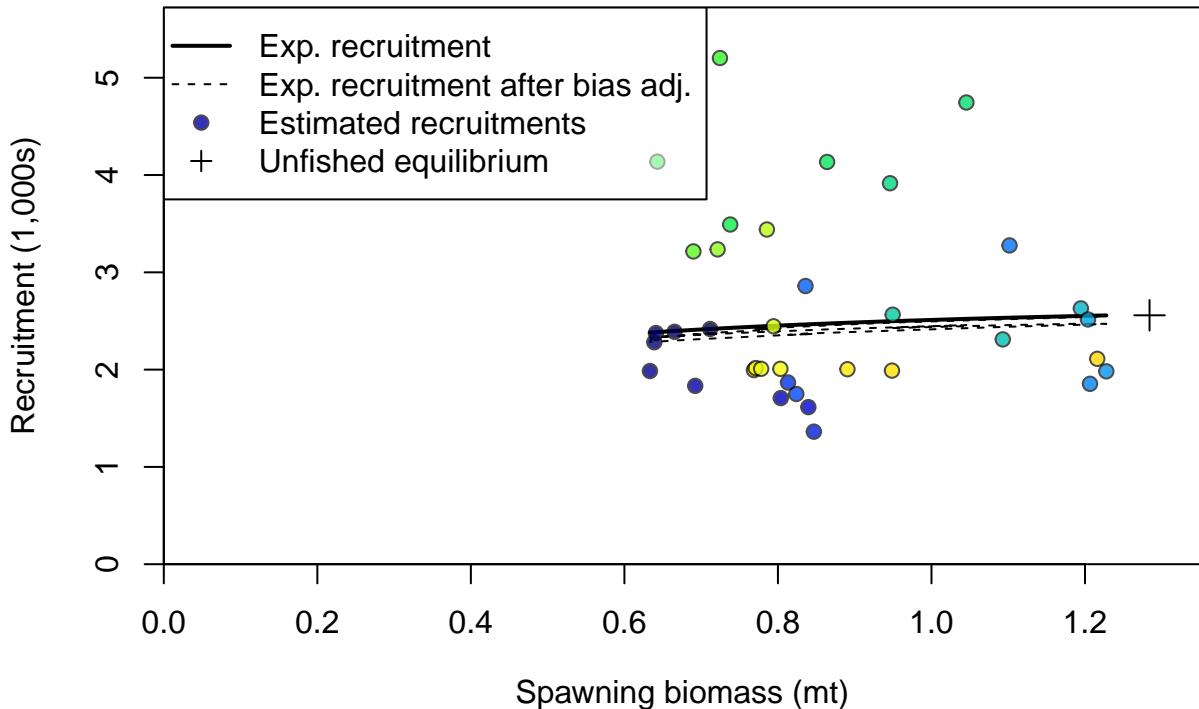
Year

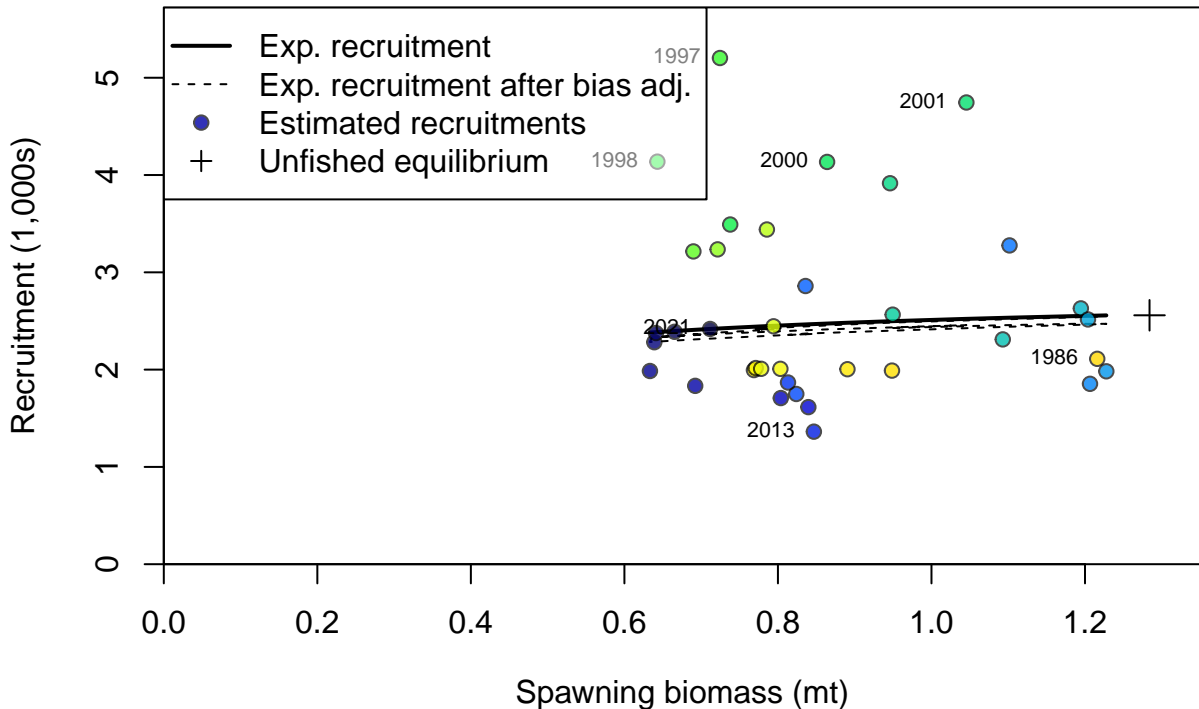
Recruitment deviation variance

Asymptotic standard error estimate

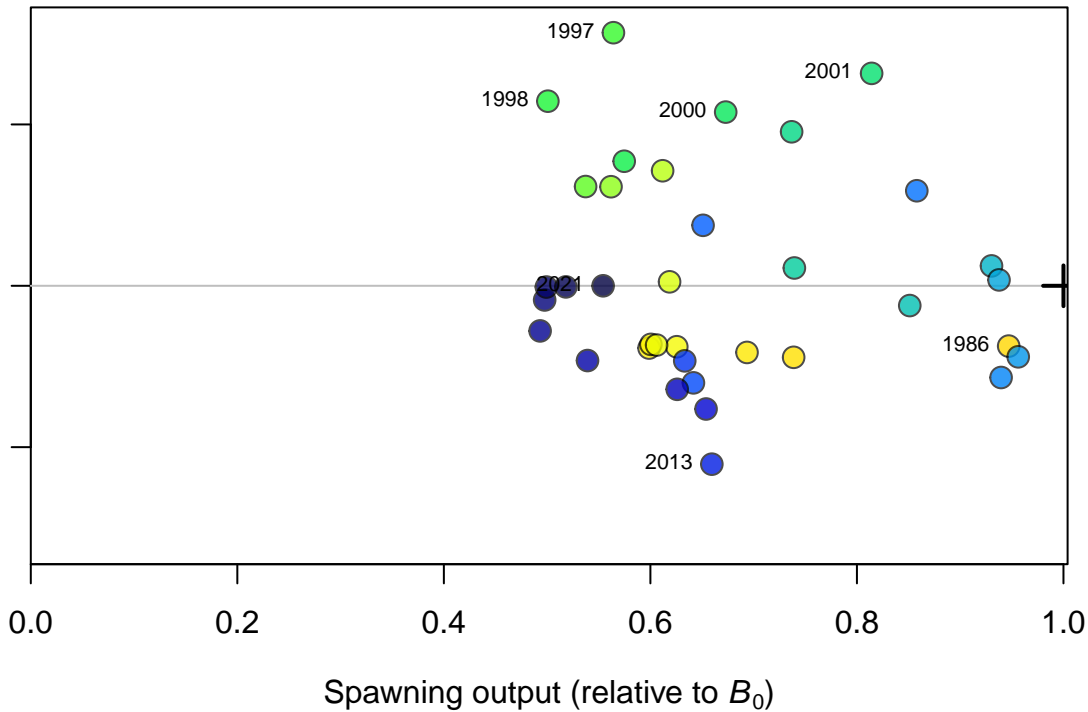


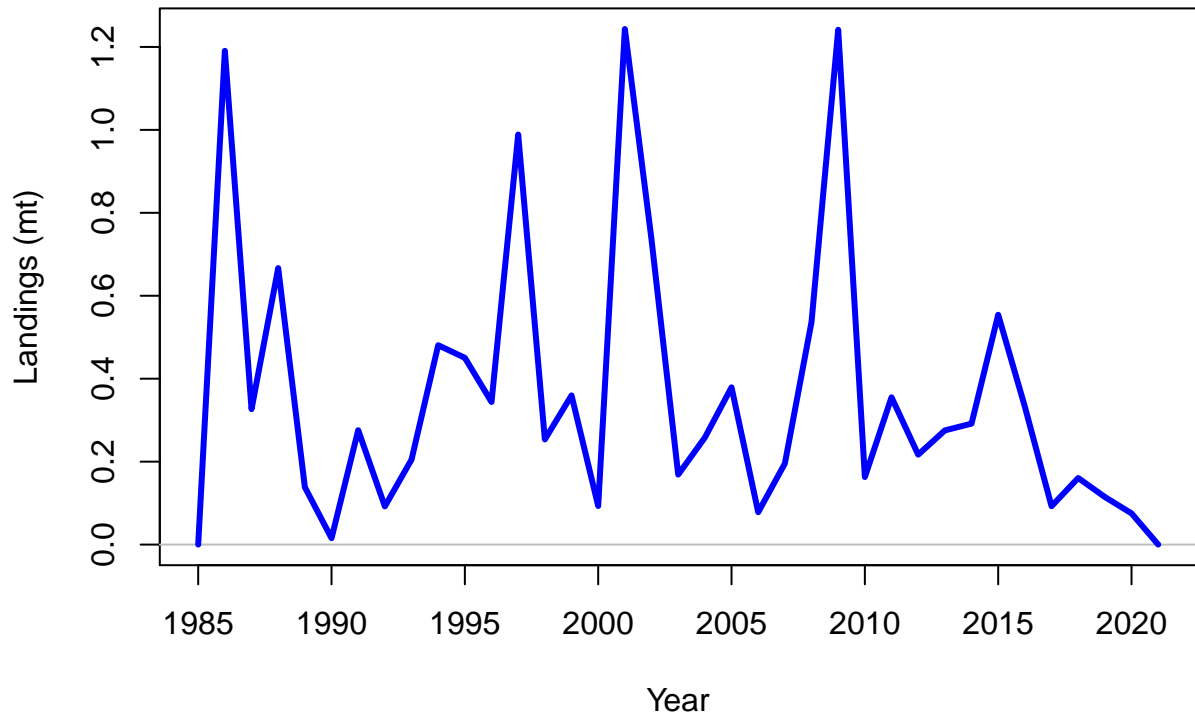


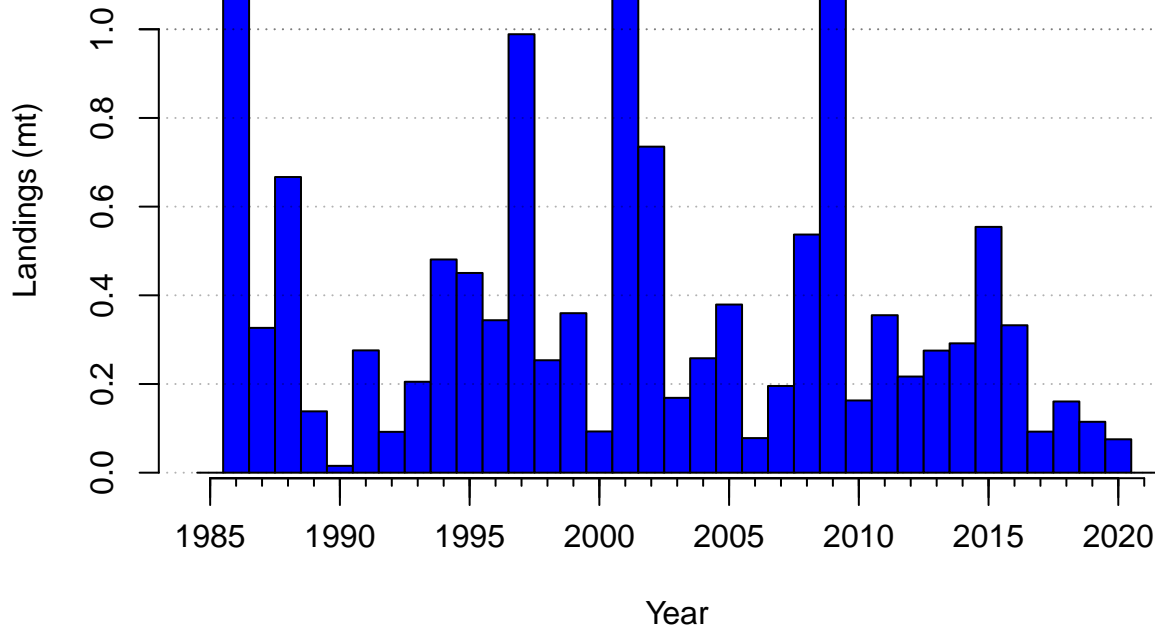


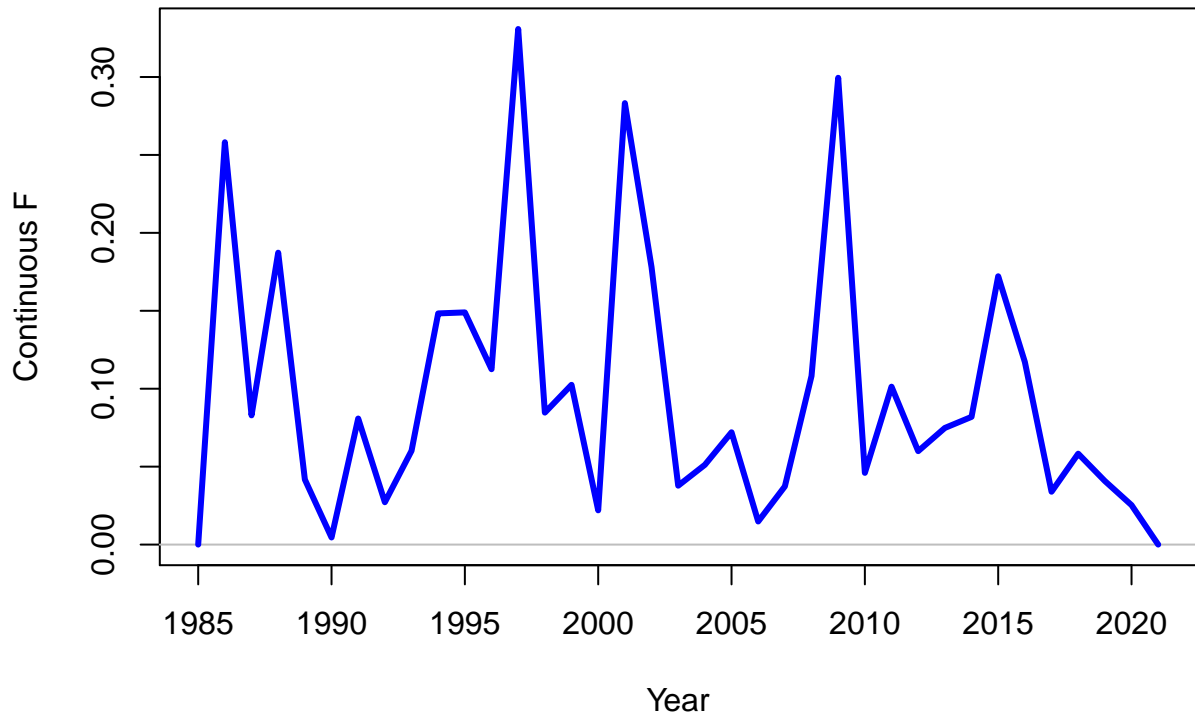


Log recruitment deviation

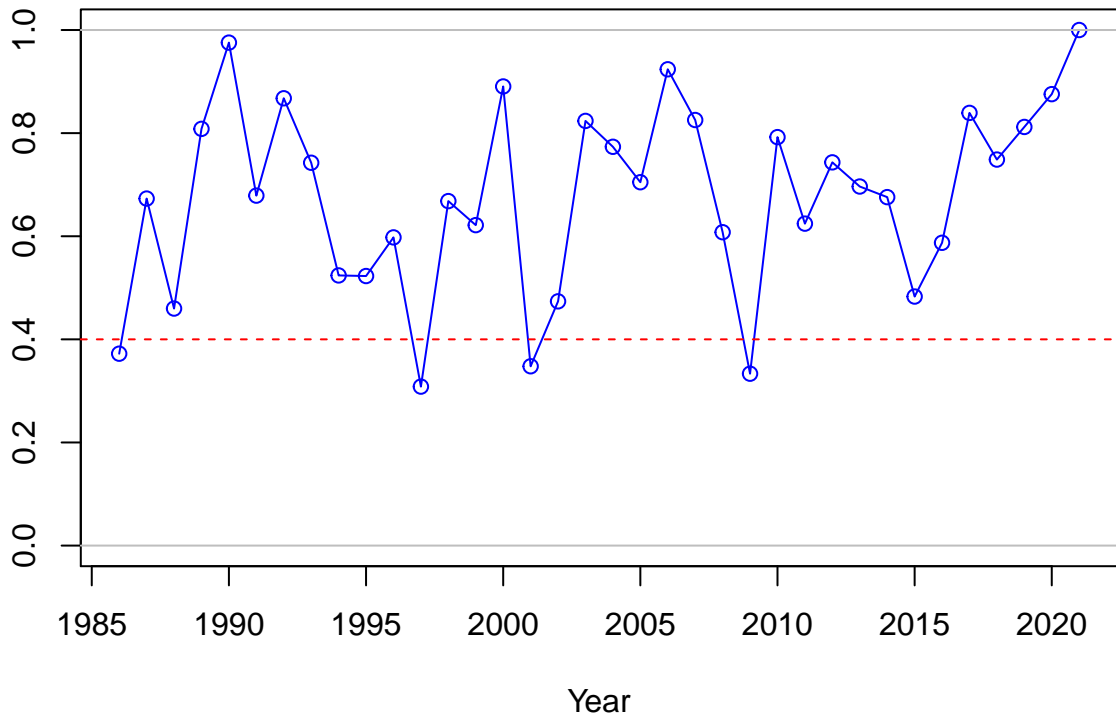


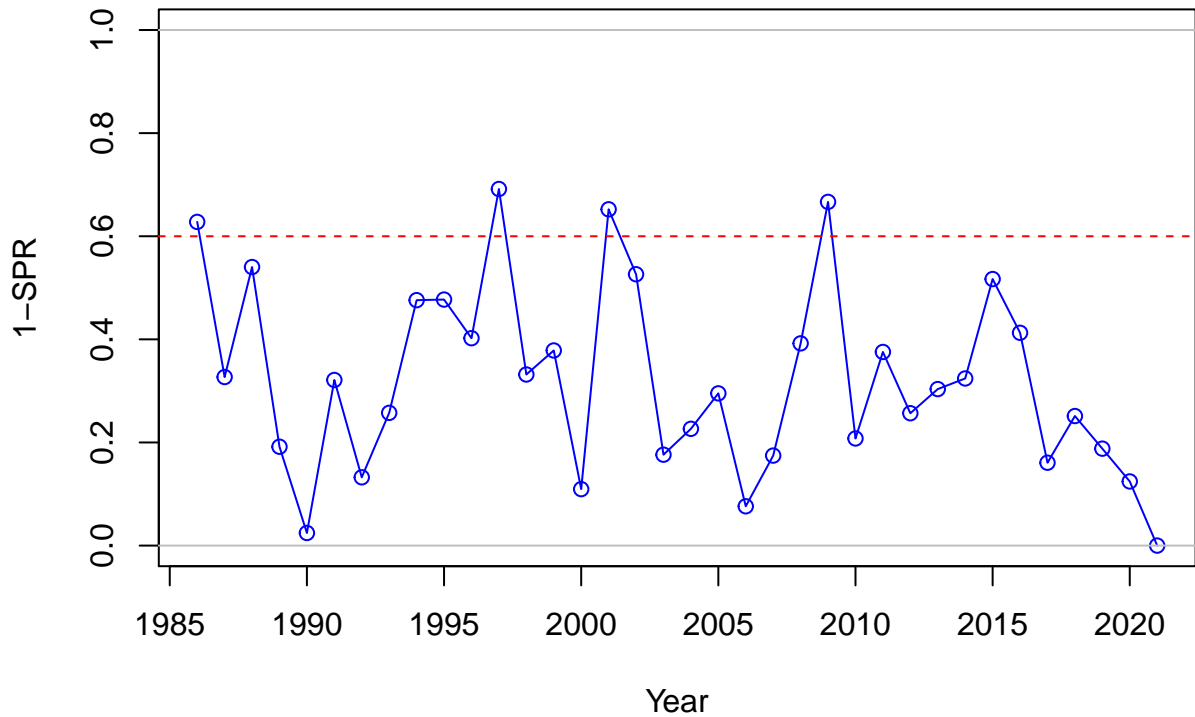




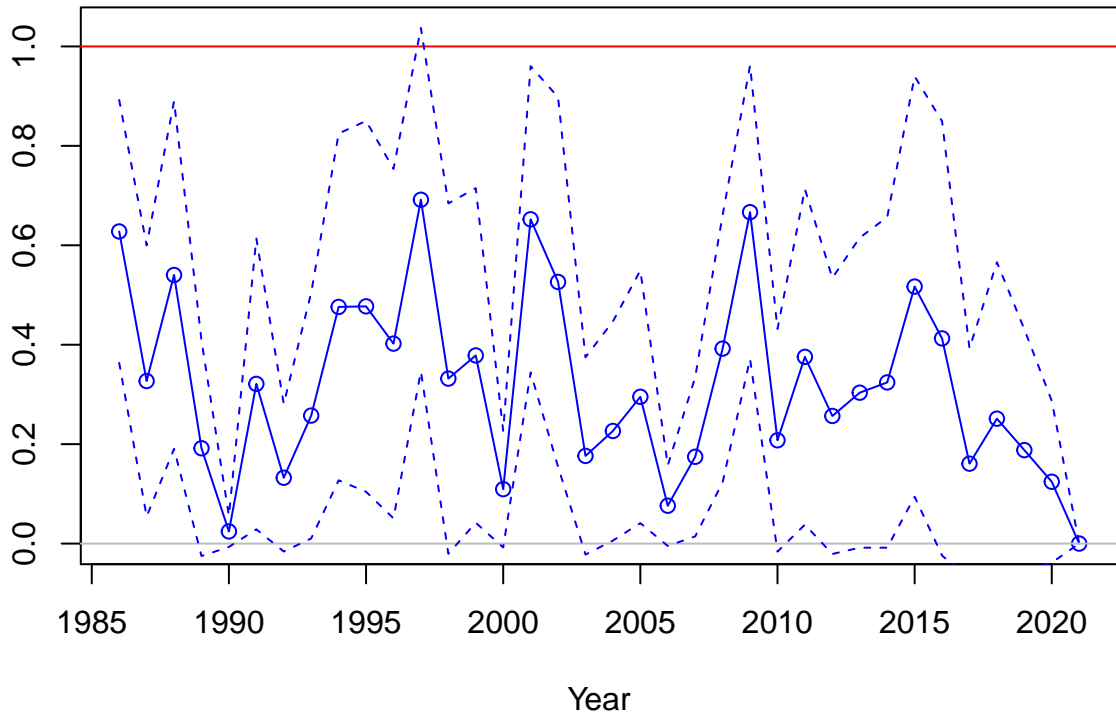


SPR

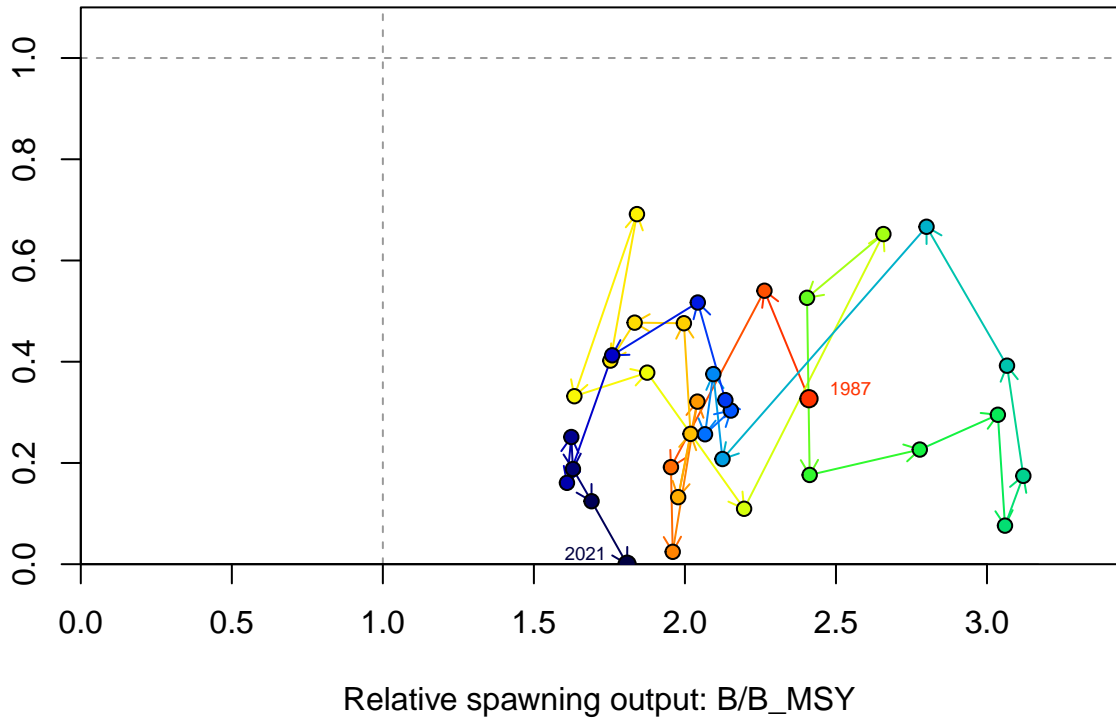




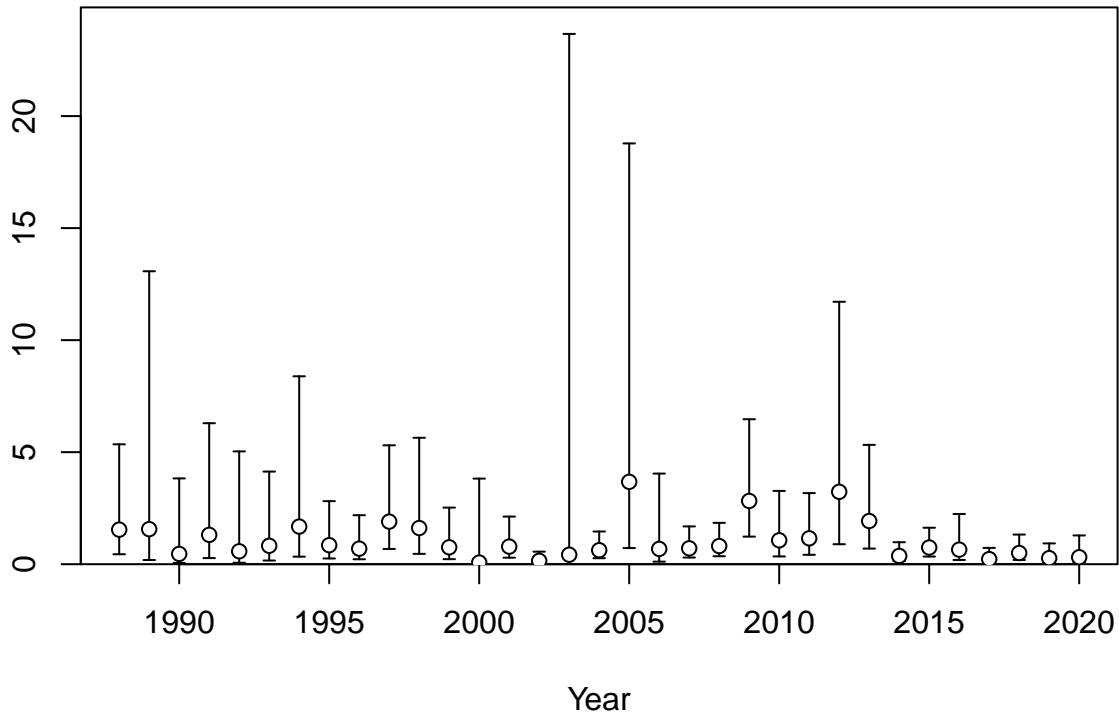
Fishing intensity: 1-SPR



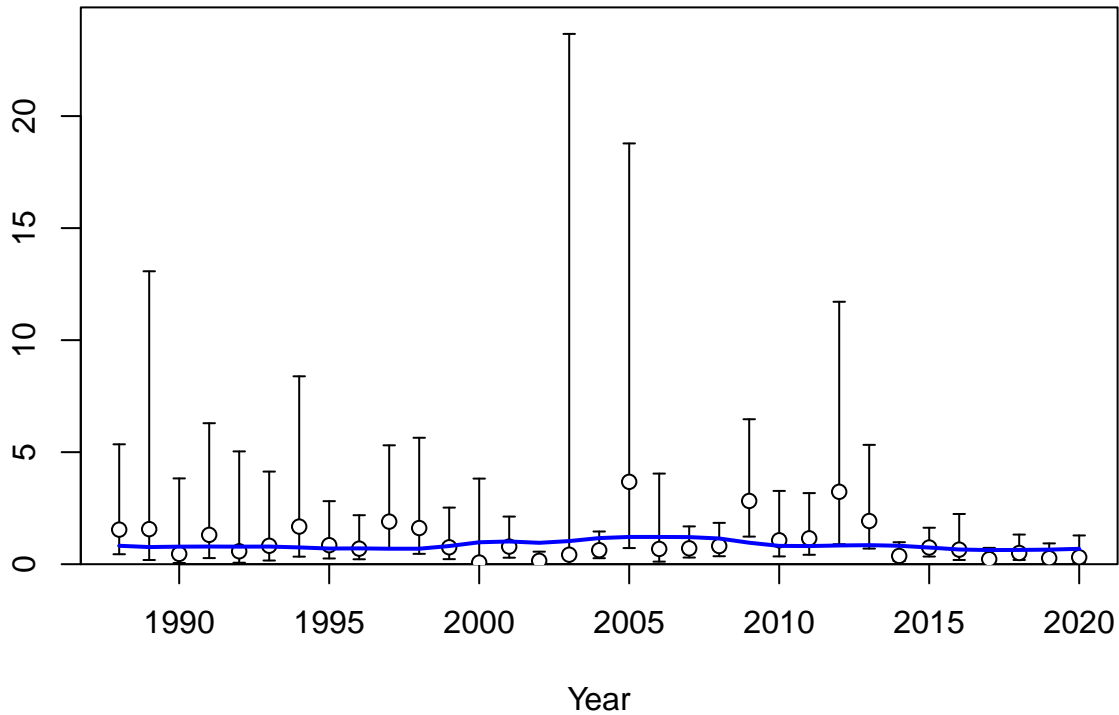
Fishing intensity: 1-SPR

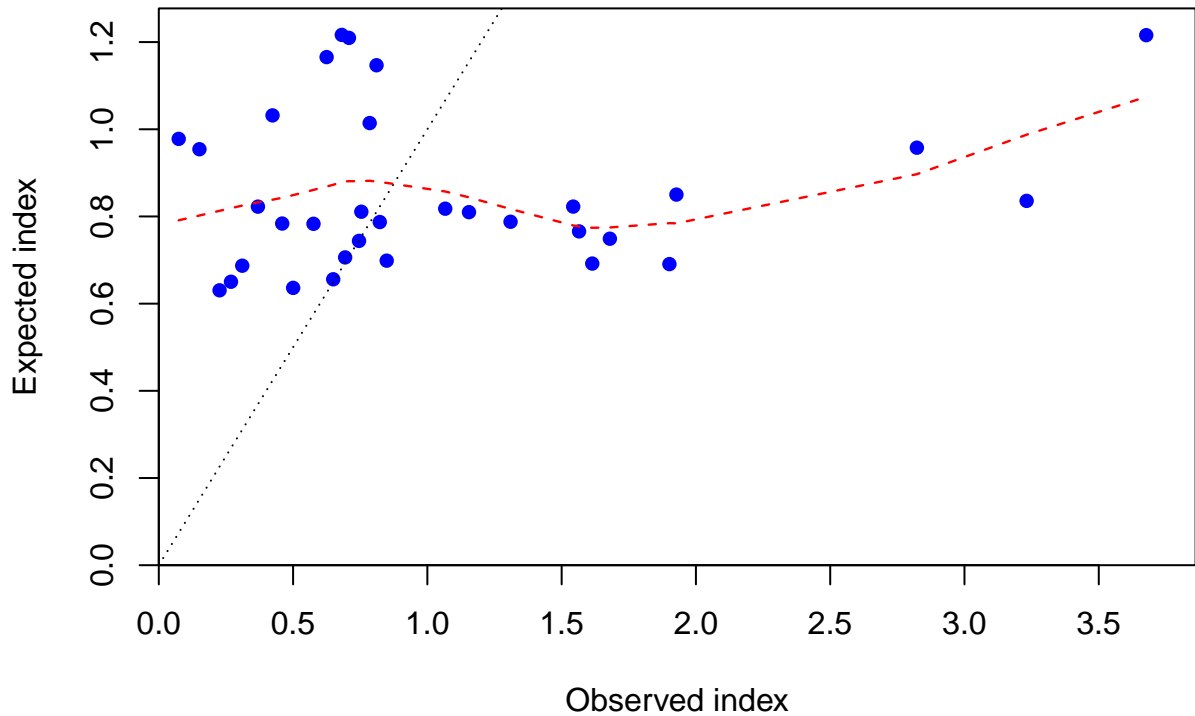


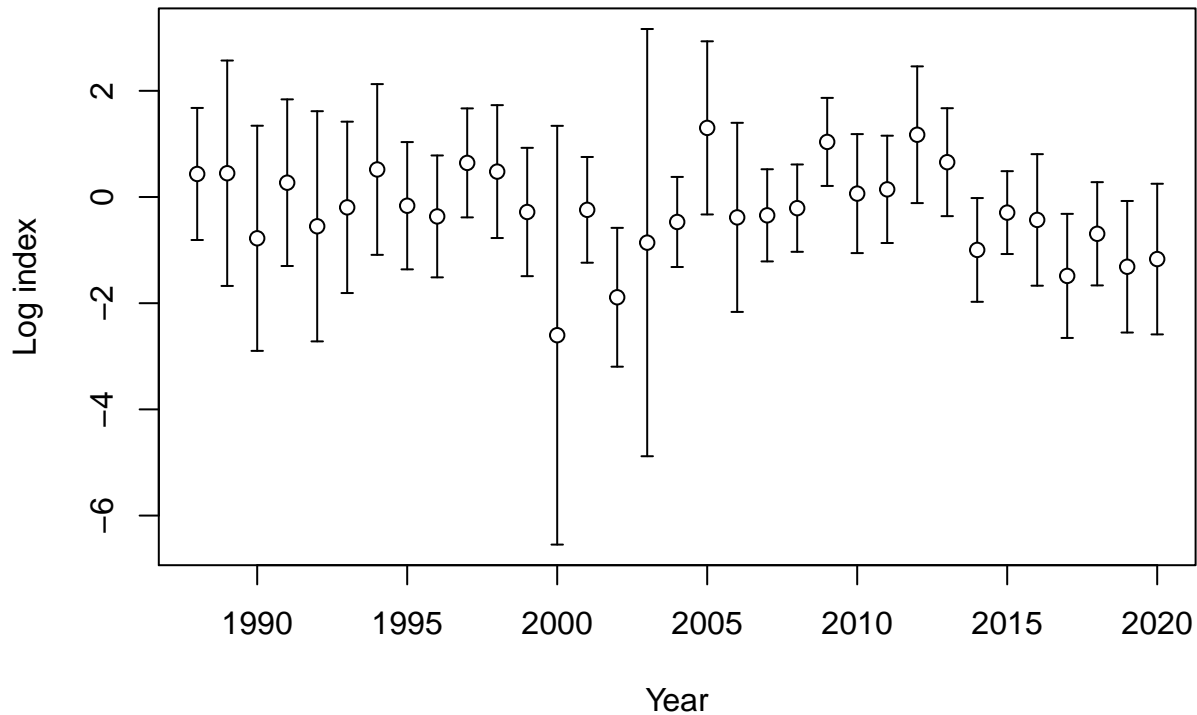
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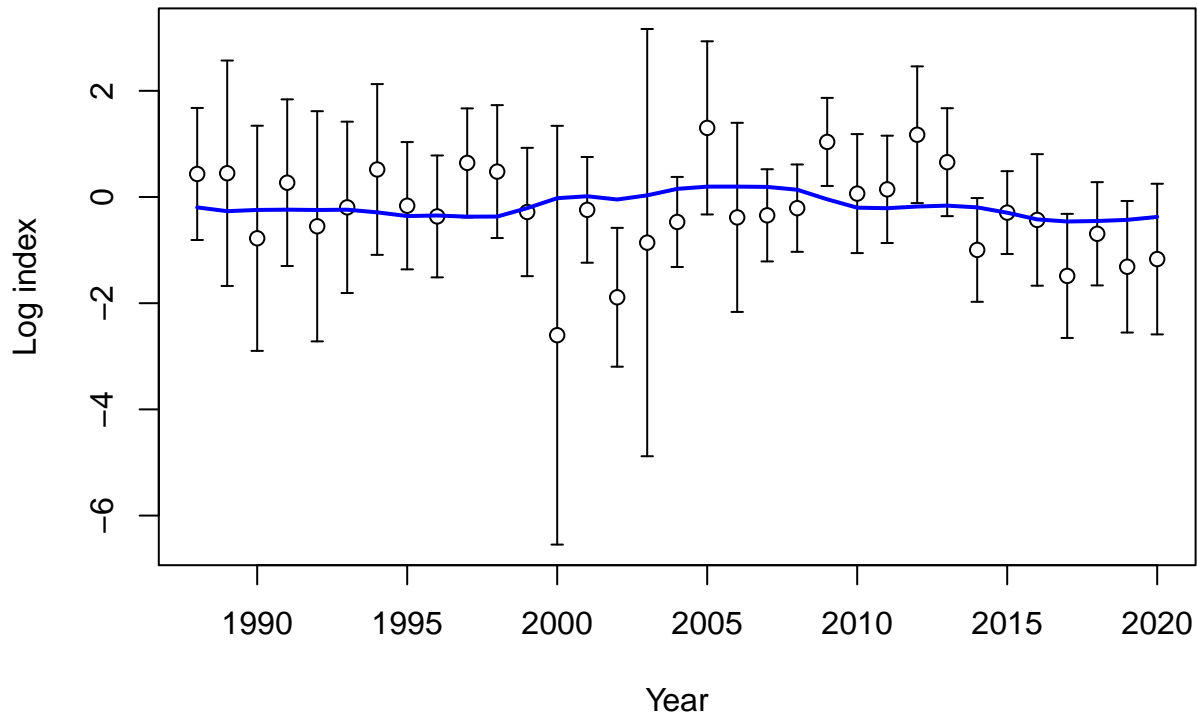


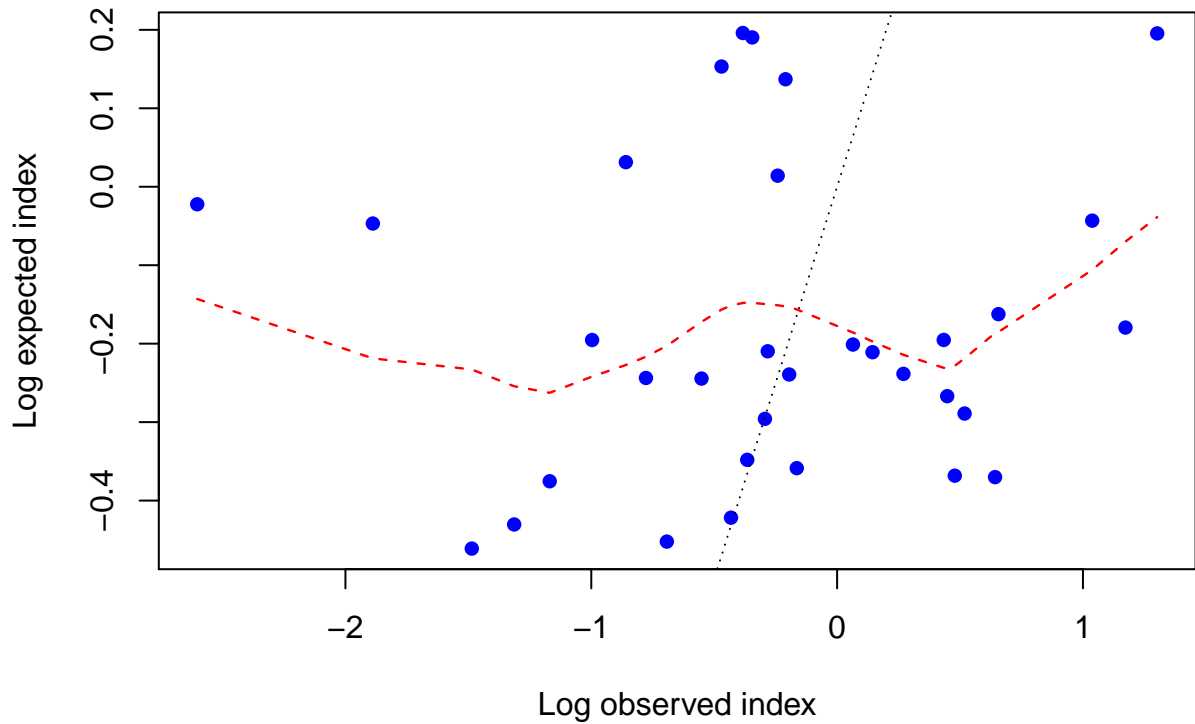
Index

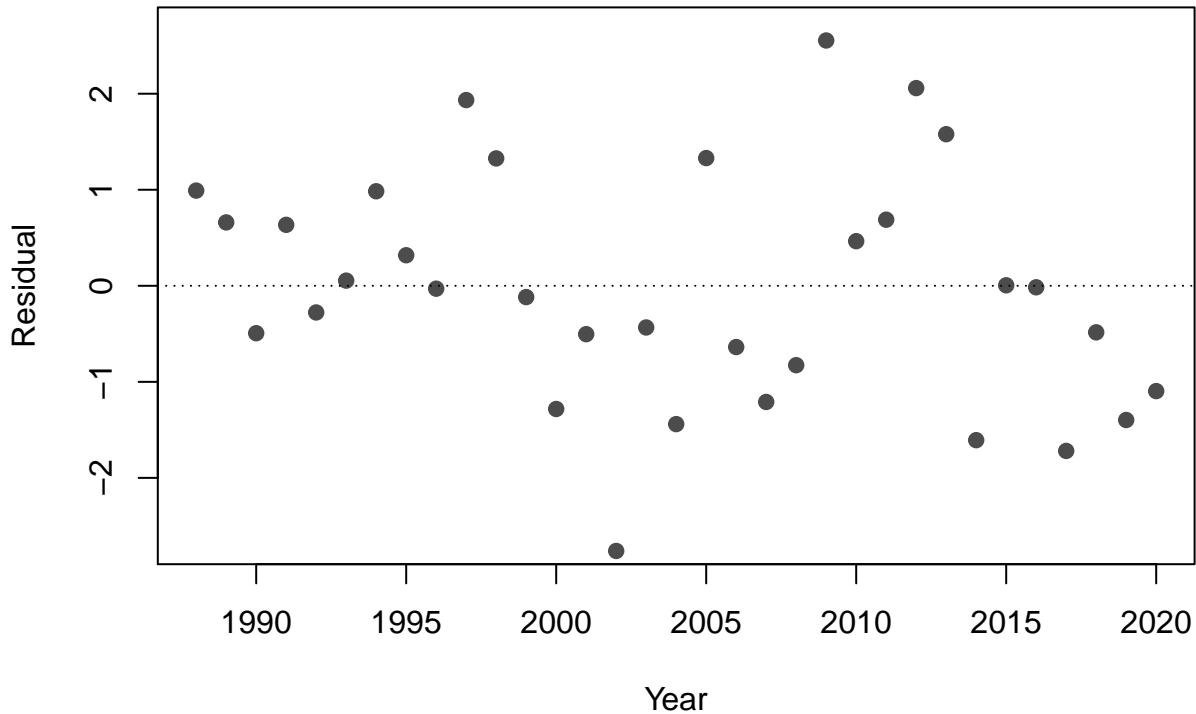


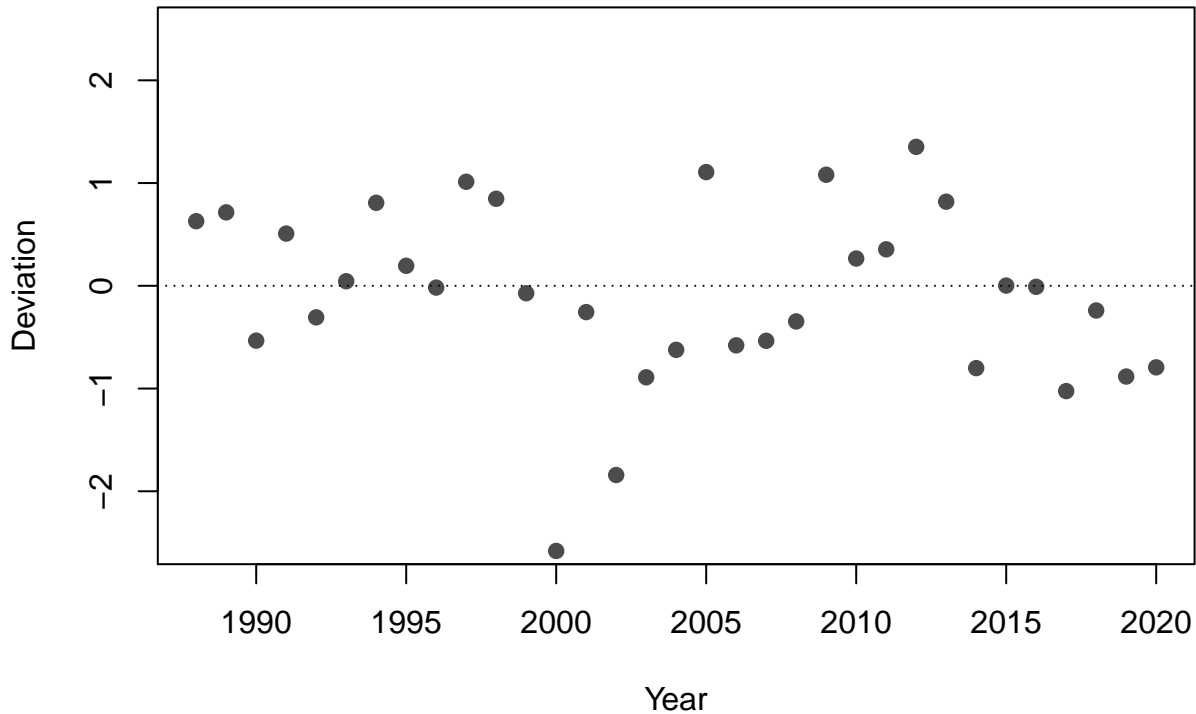


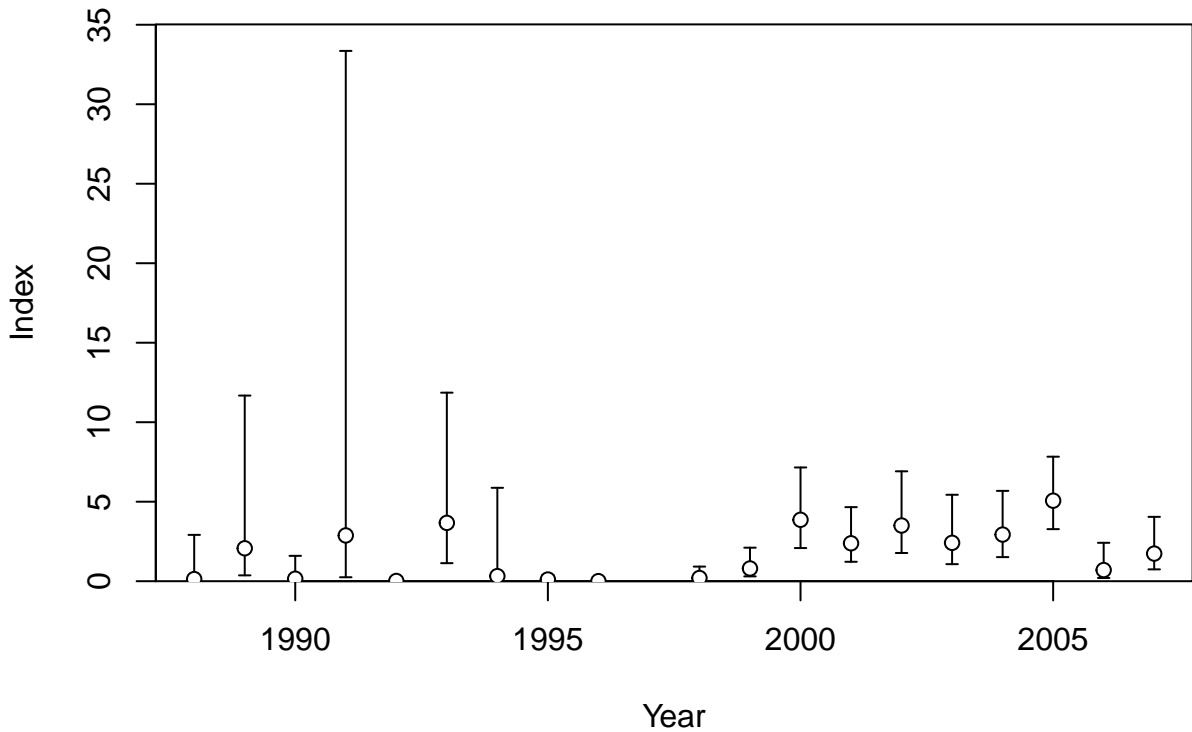


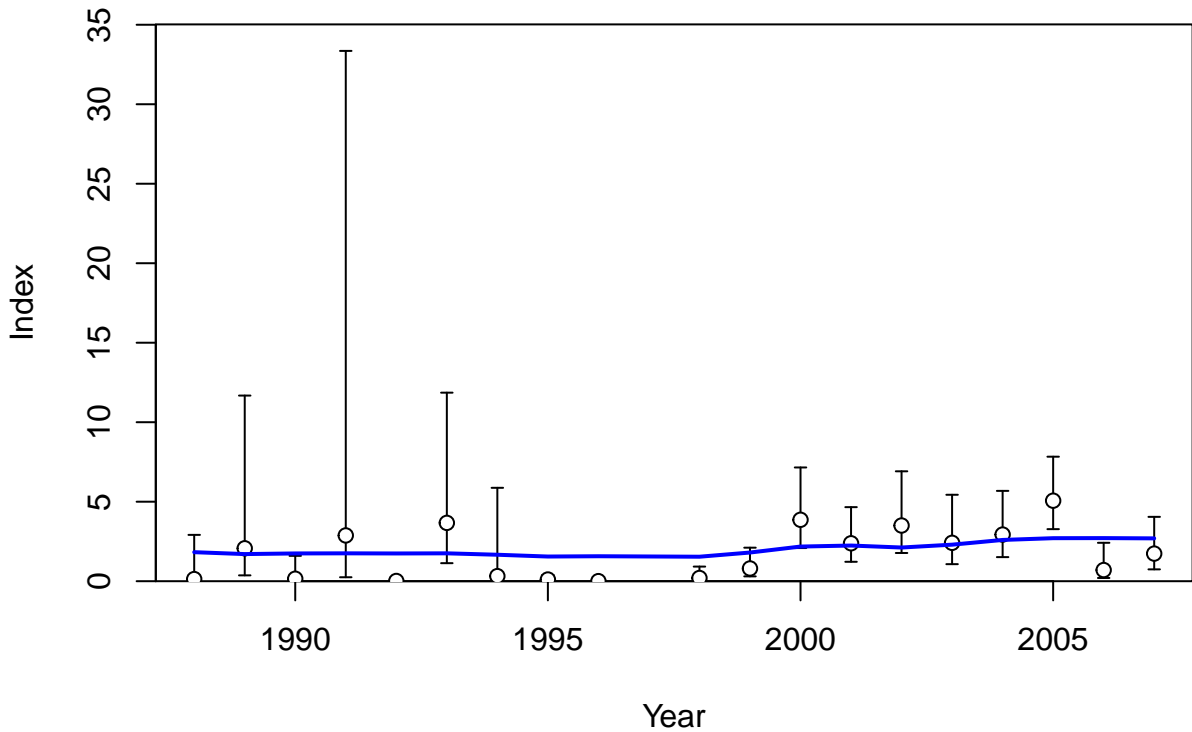


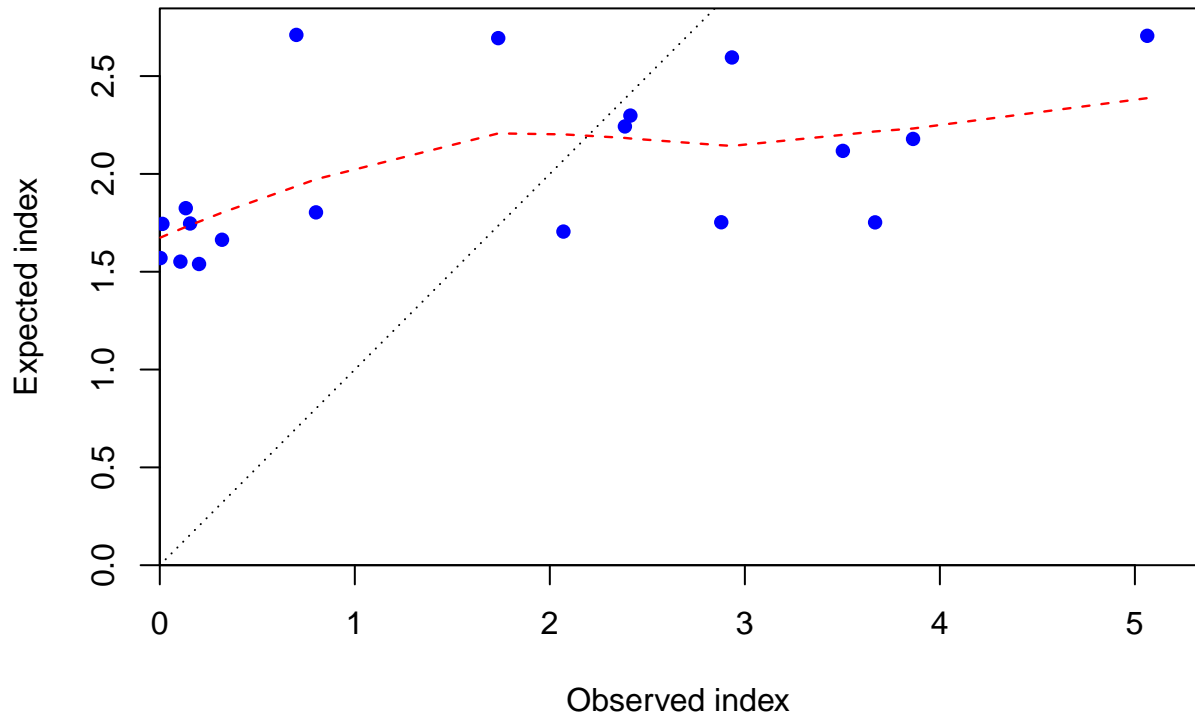












Log index

2
0
-2
-4
-6
-8

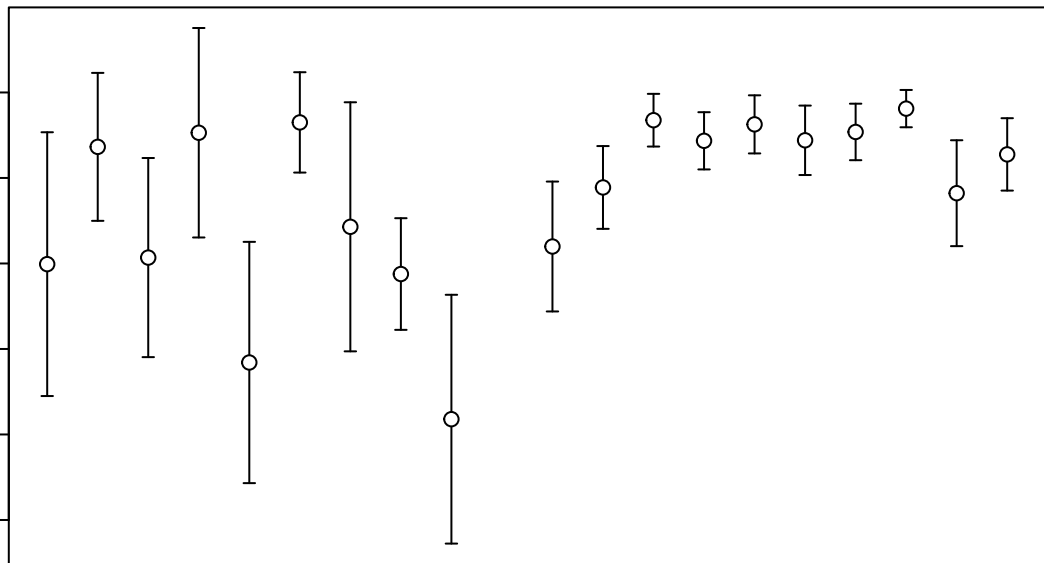
1990

1995

2000

2005

Year



Log index

2
0
-2
-4
-6
-8

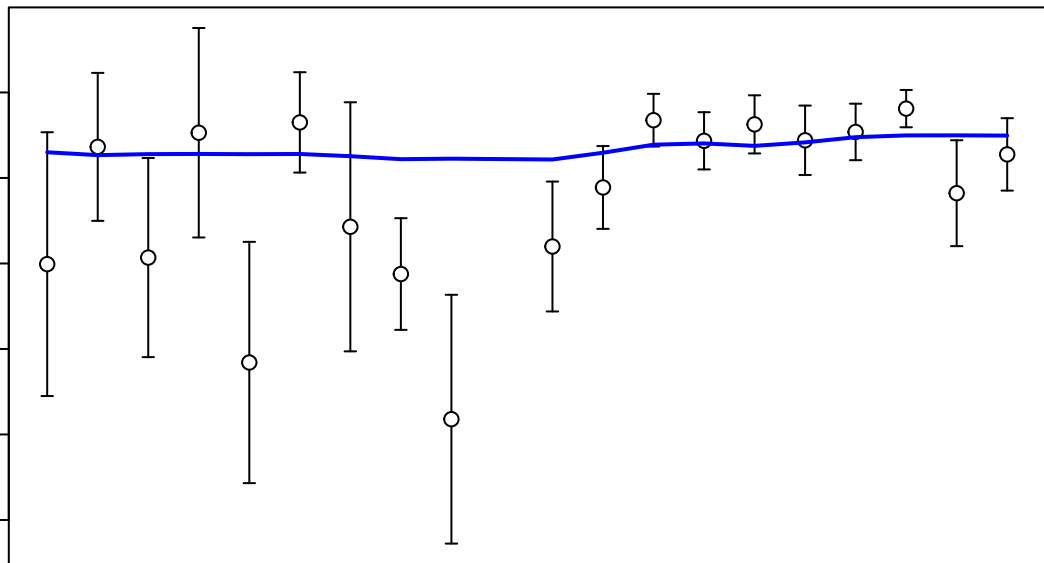
1990

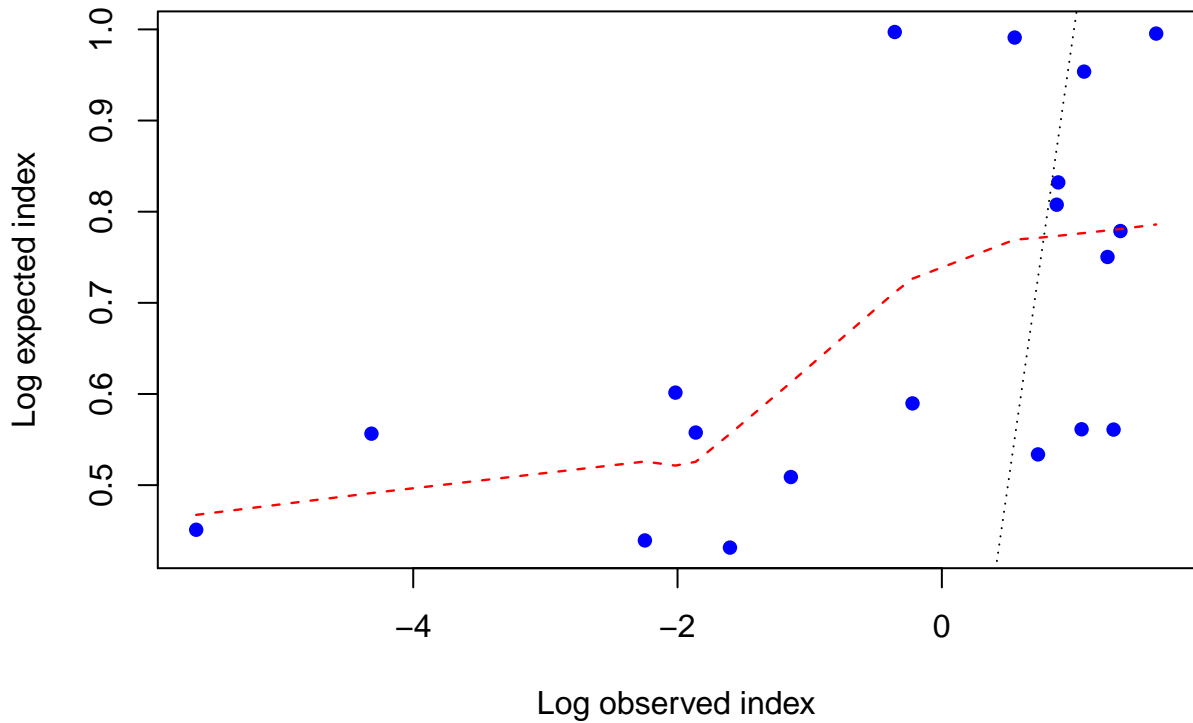
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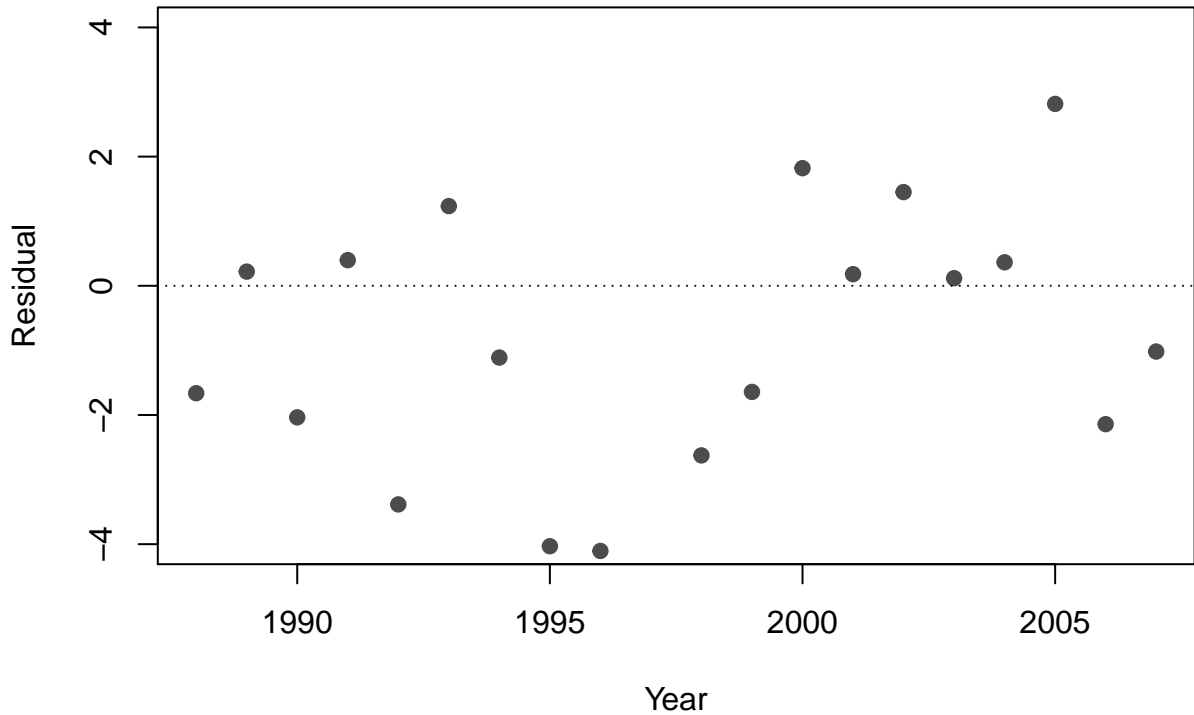
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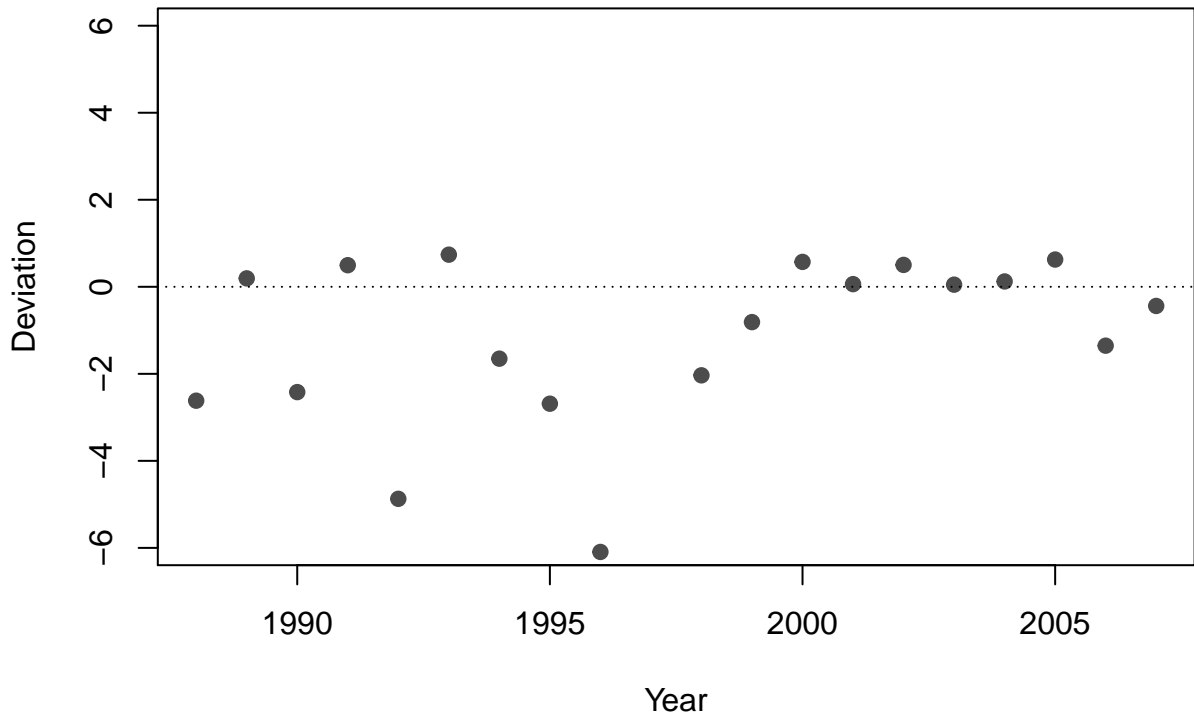
2005

Year



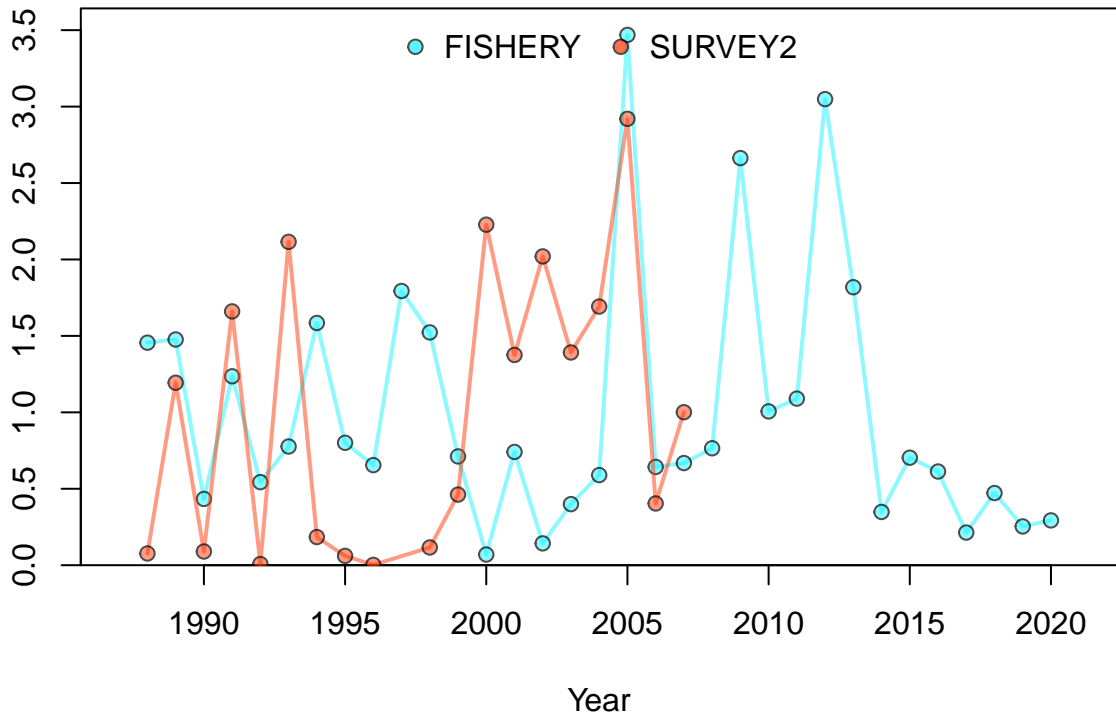




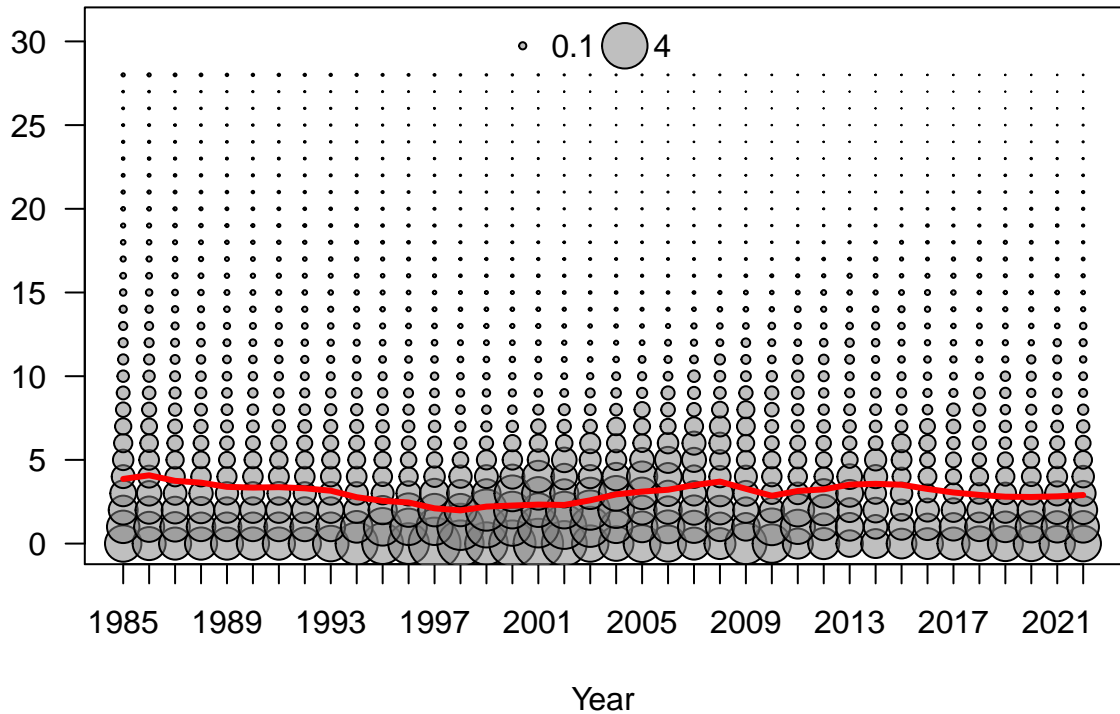


Standardized index

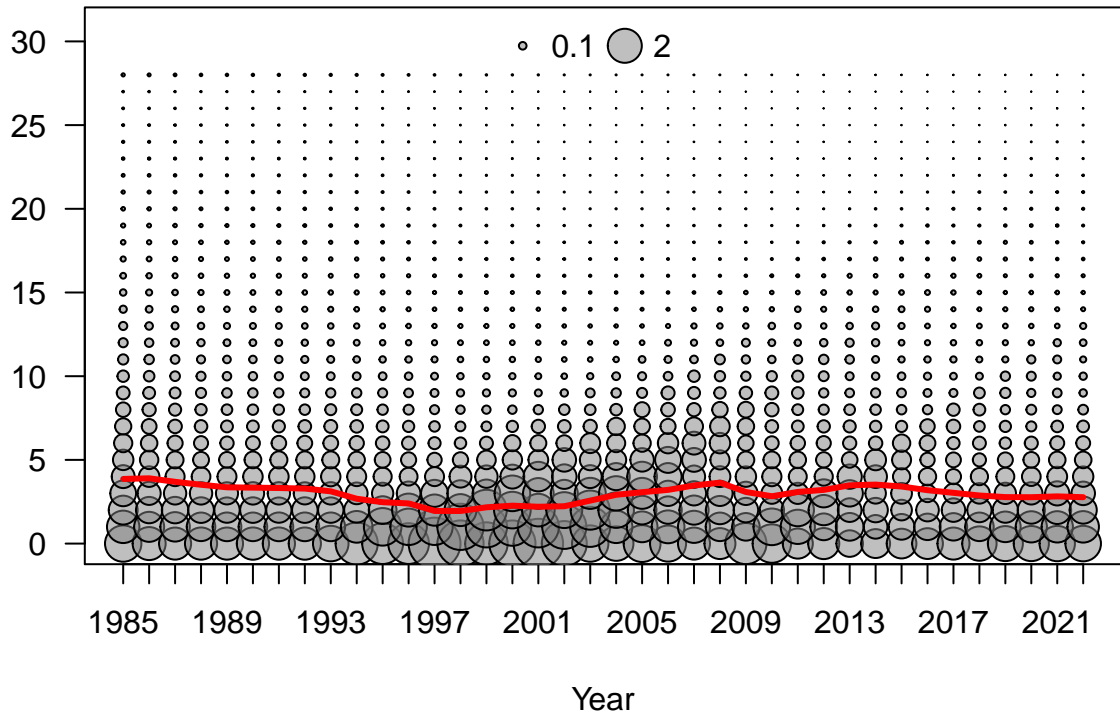
FISHERY SURVEY2

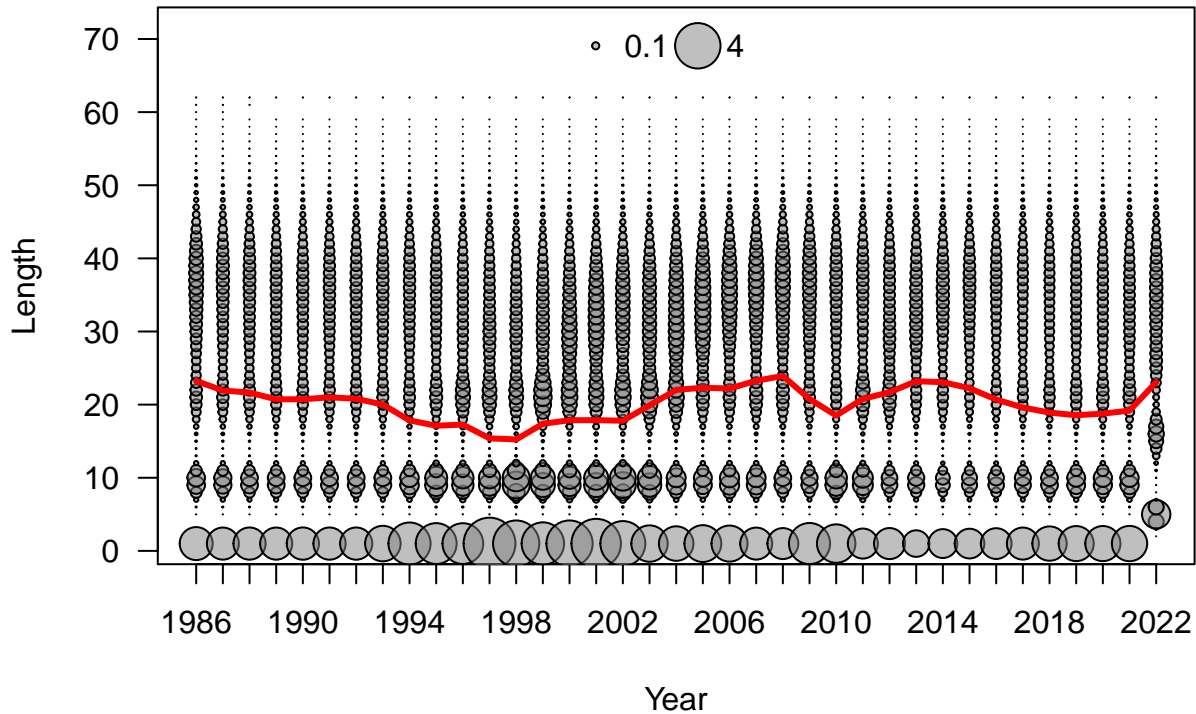


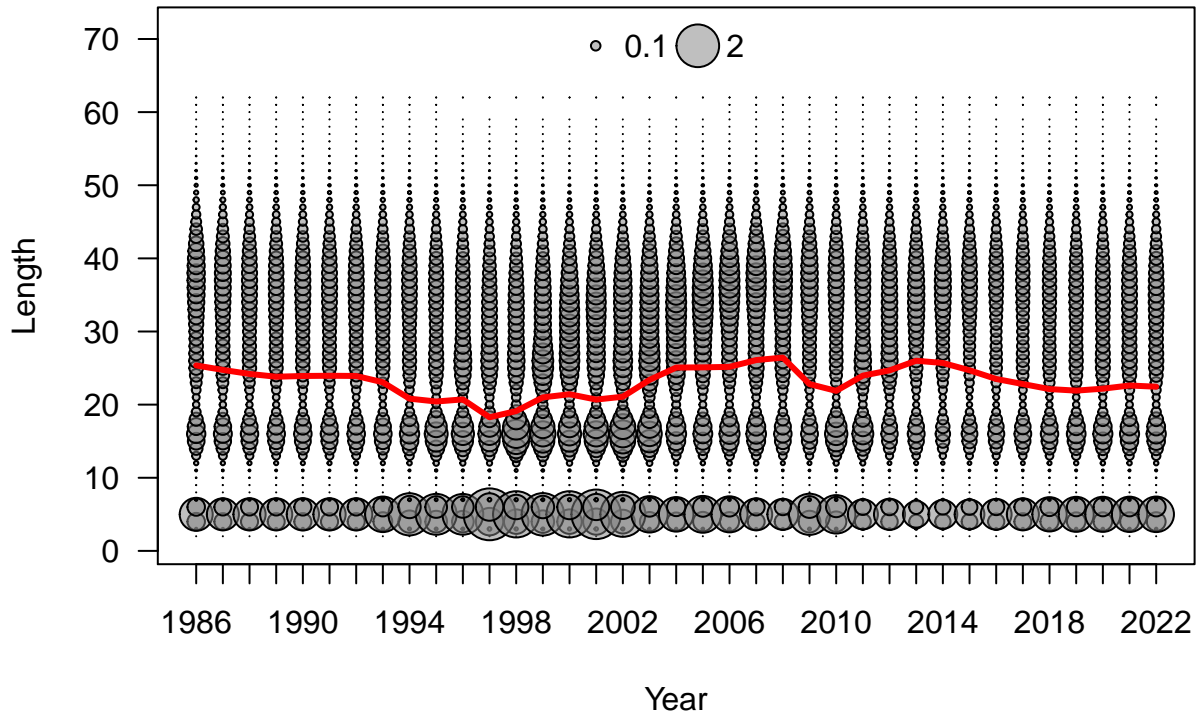
Age

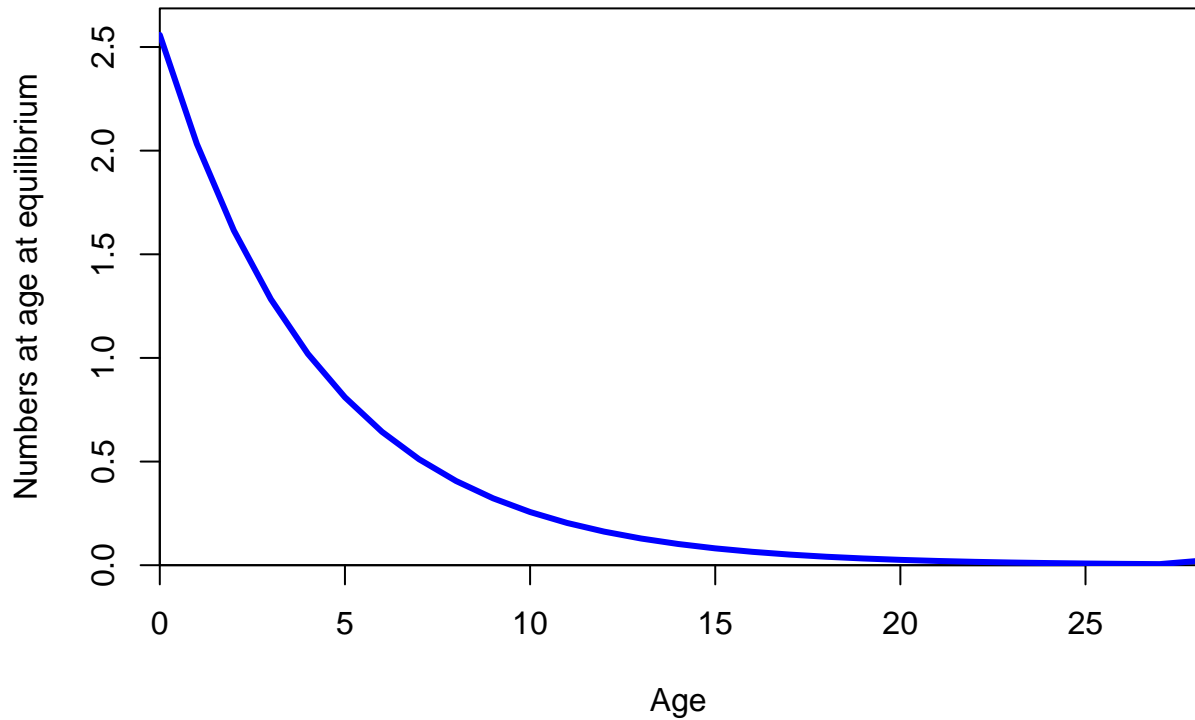


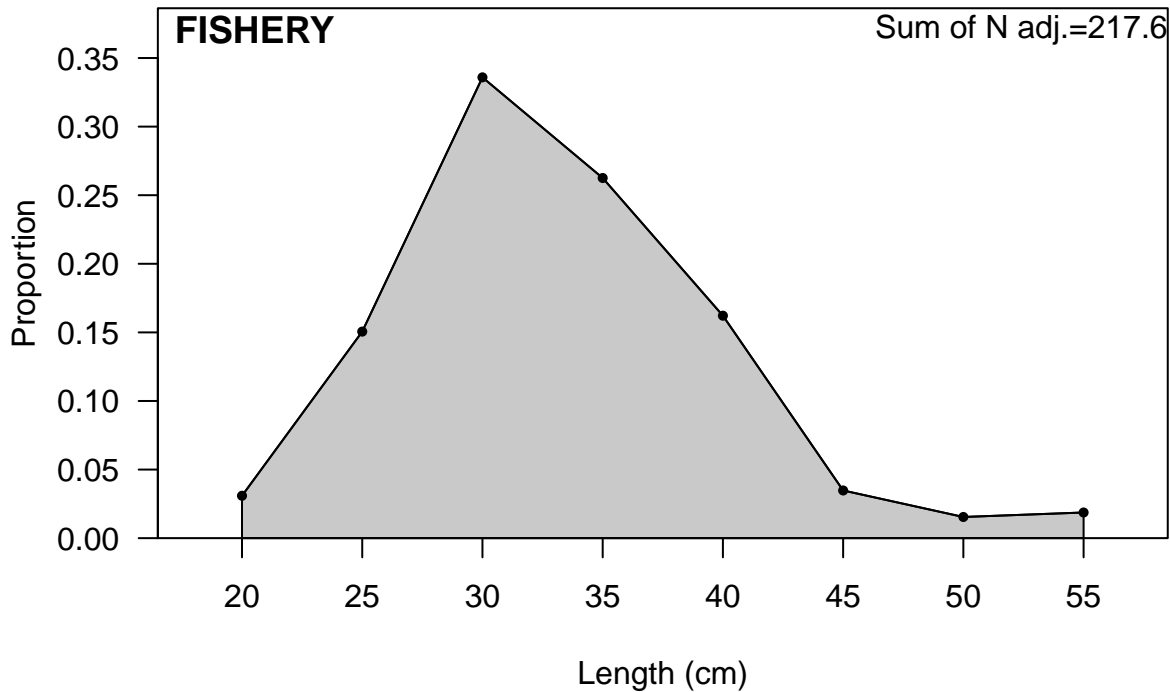
Age

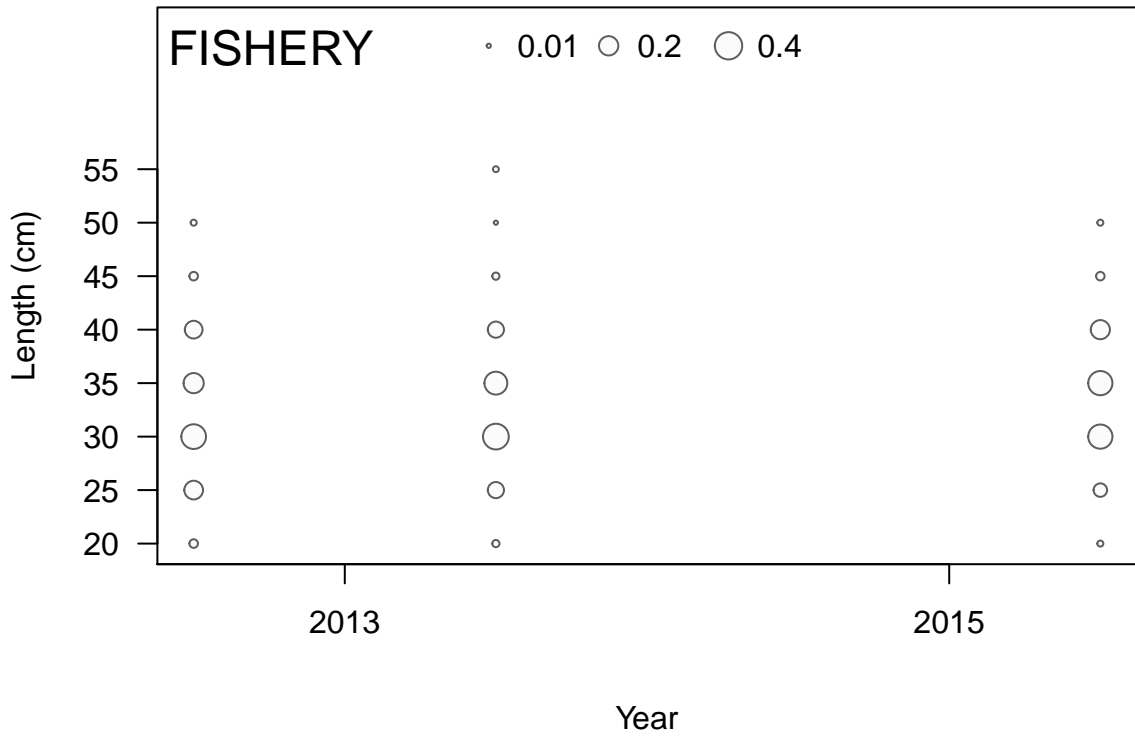


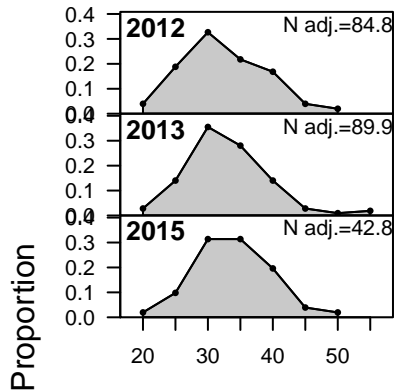




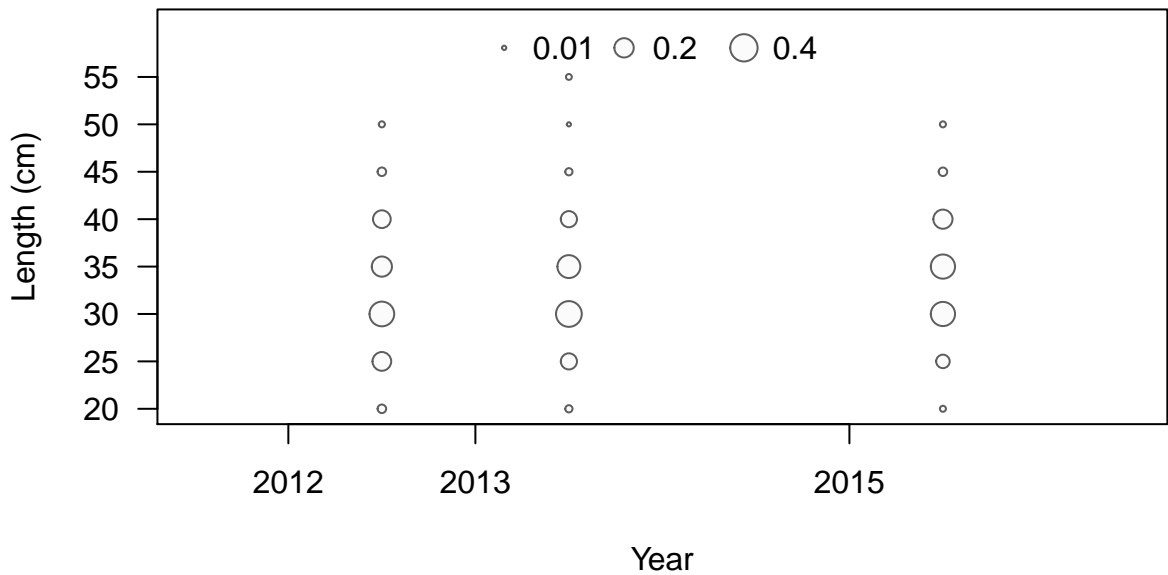




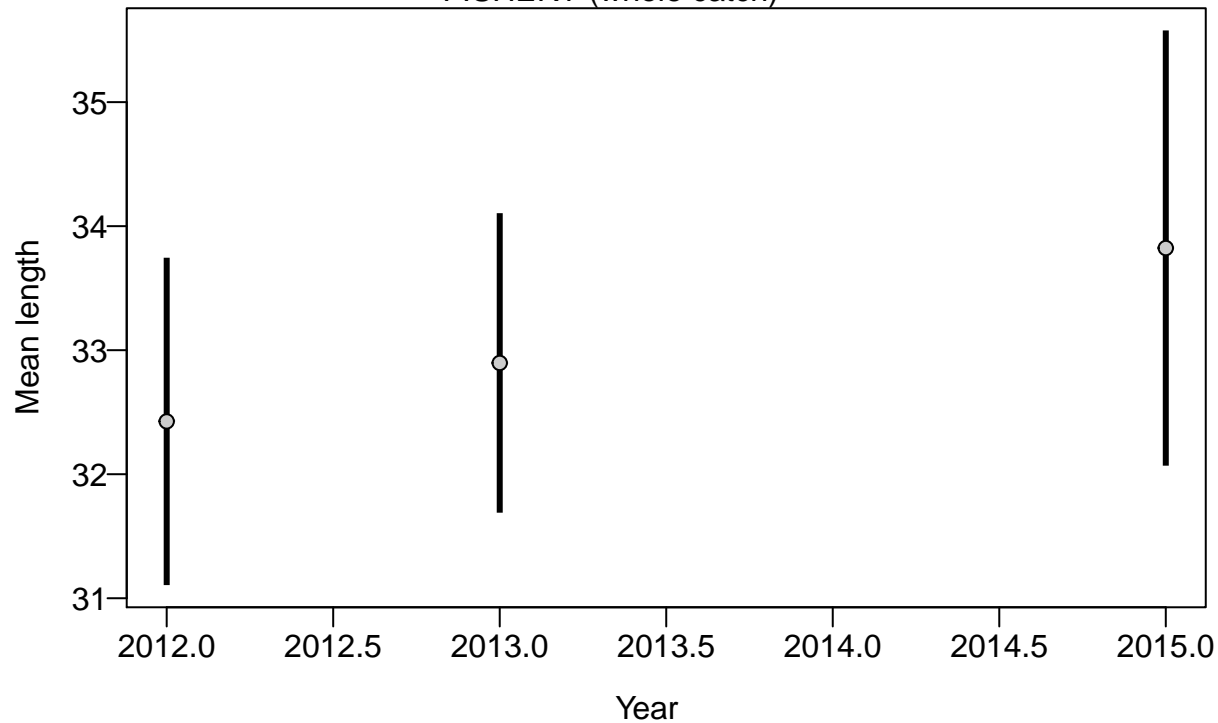


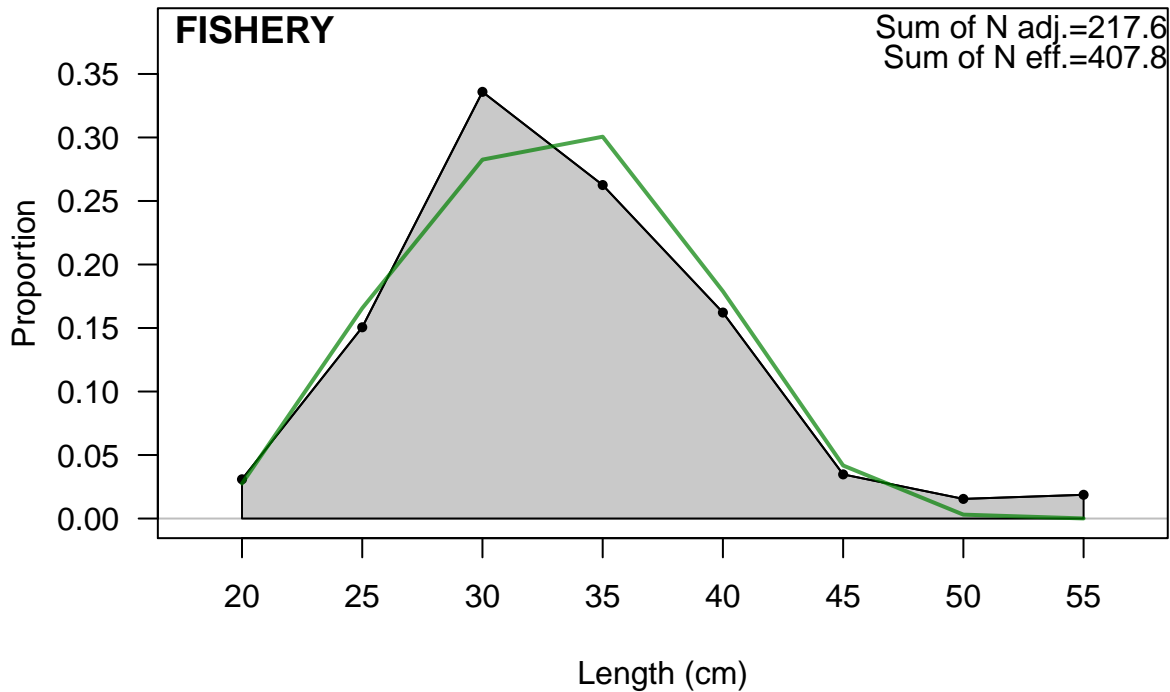


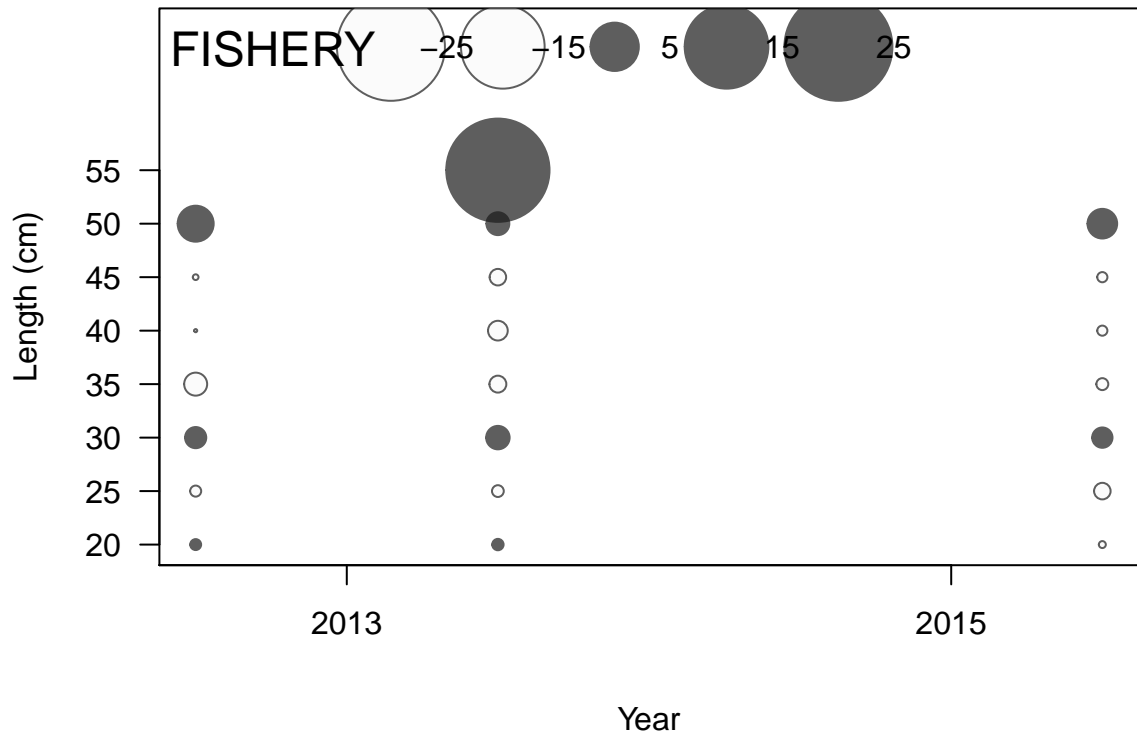
Length (cm)



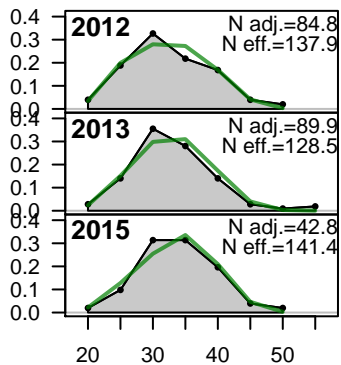
FISHERY (whole catch)



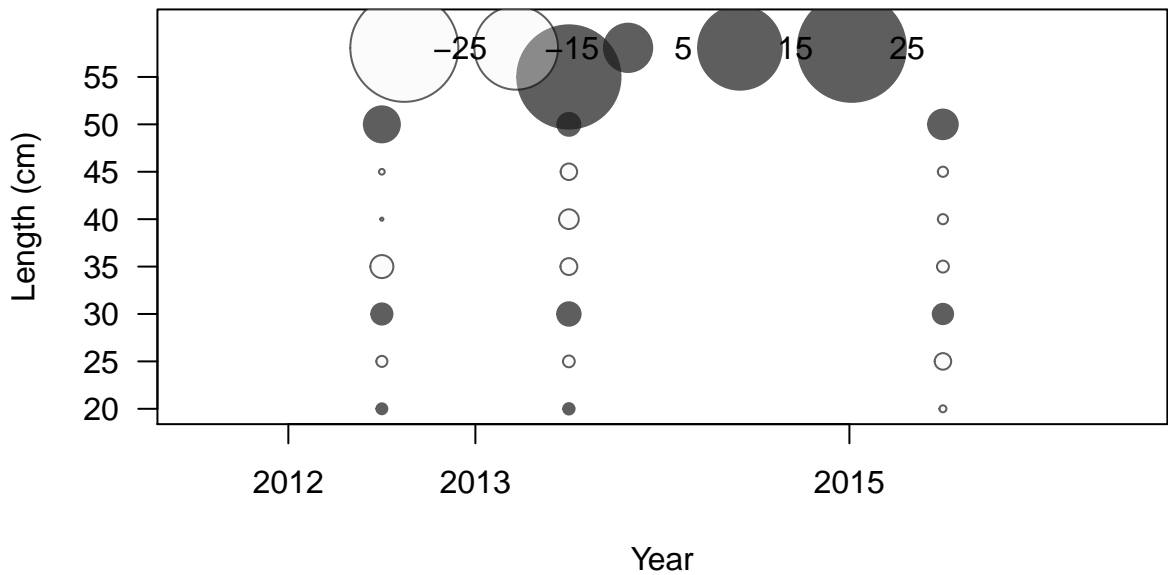


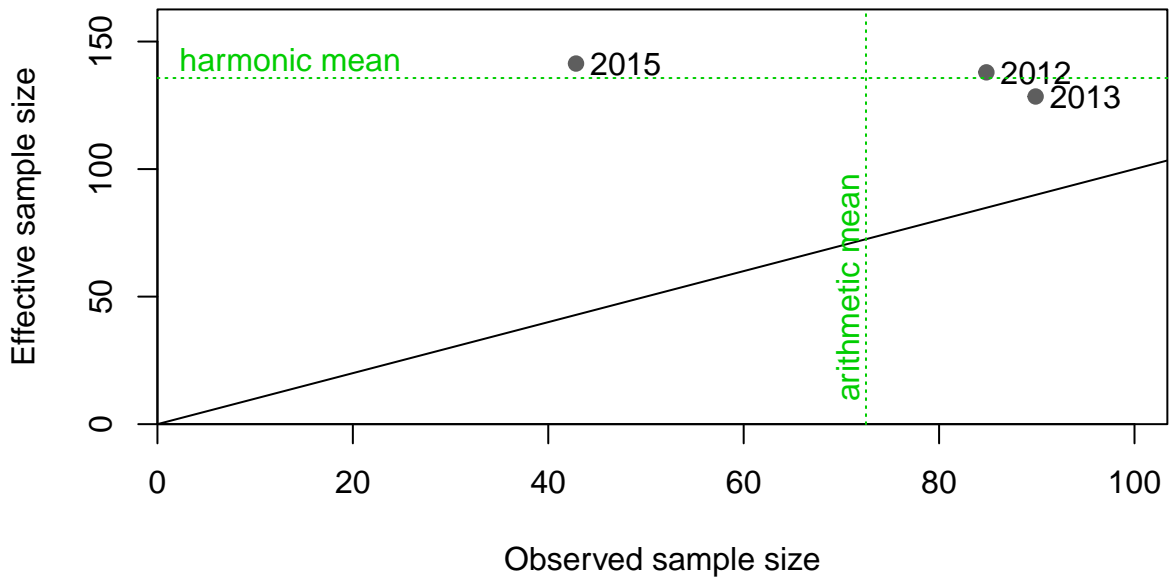


Proportion

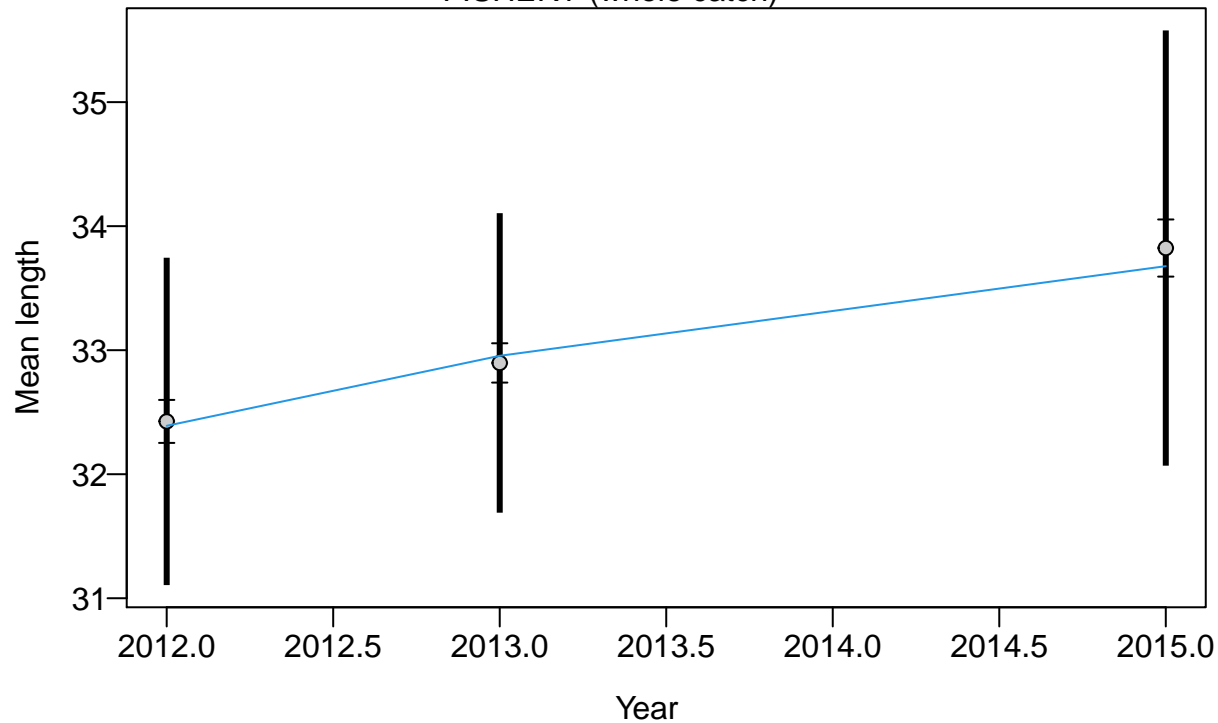


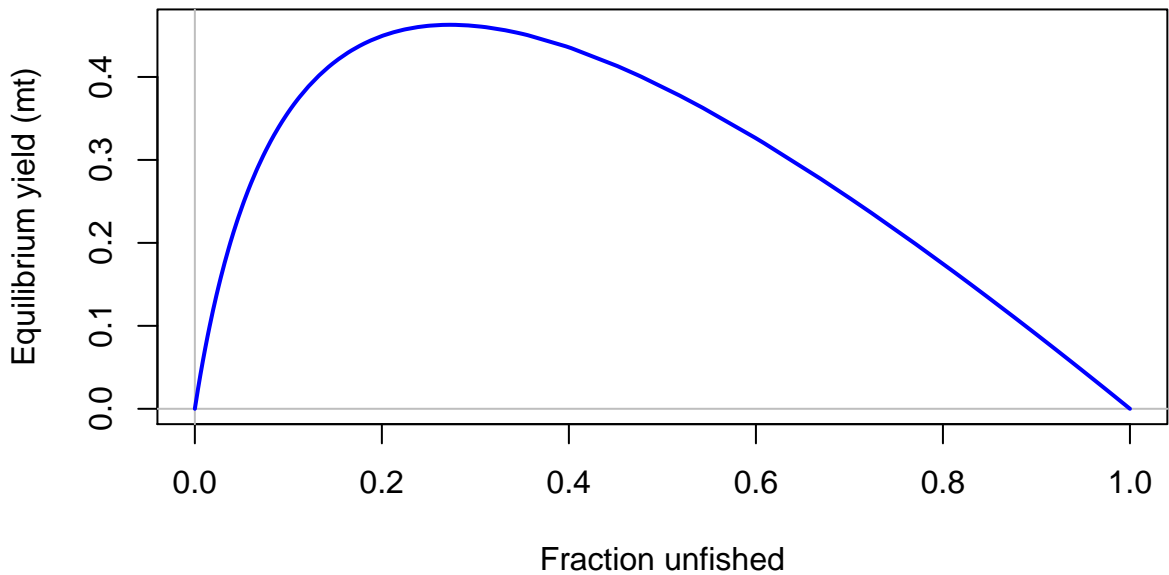
Length (cm)

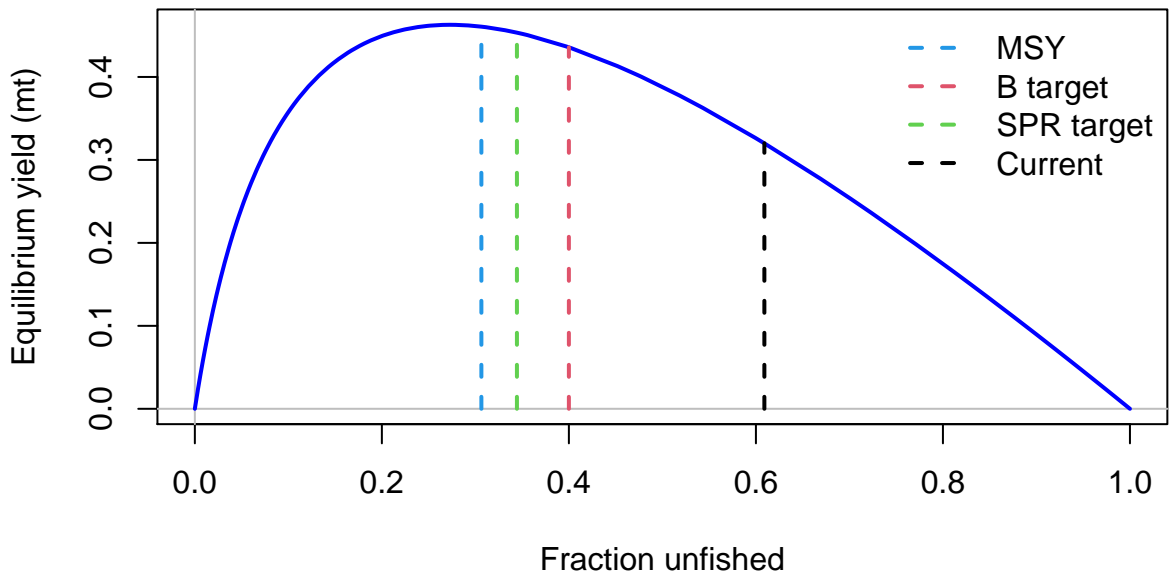


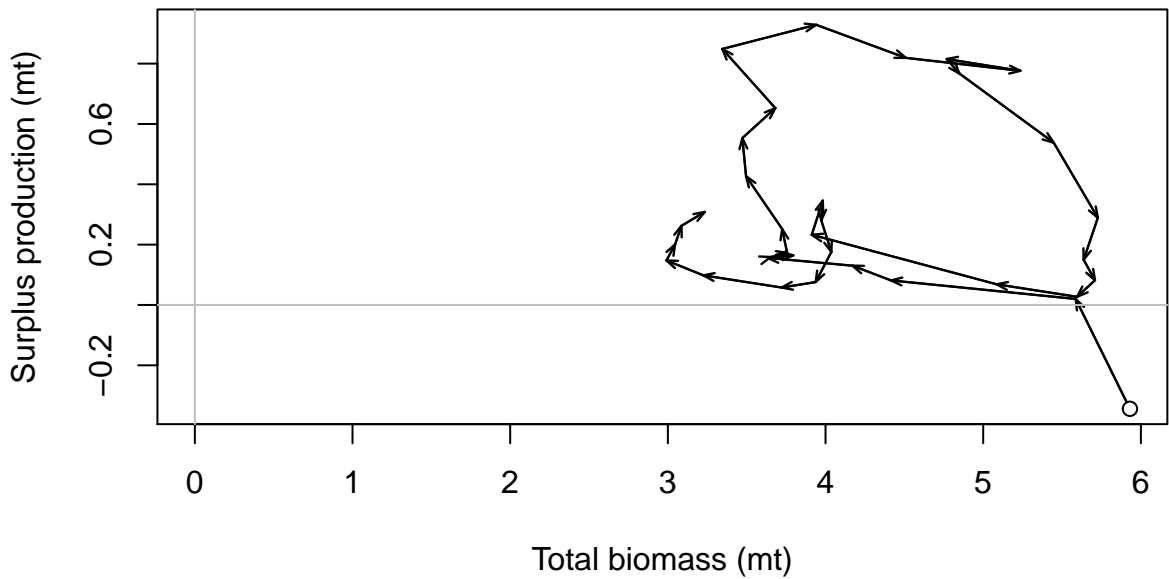


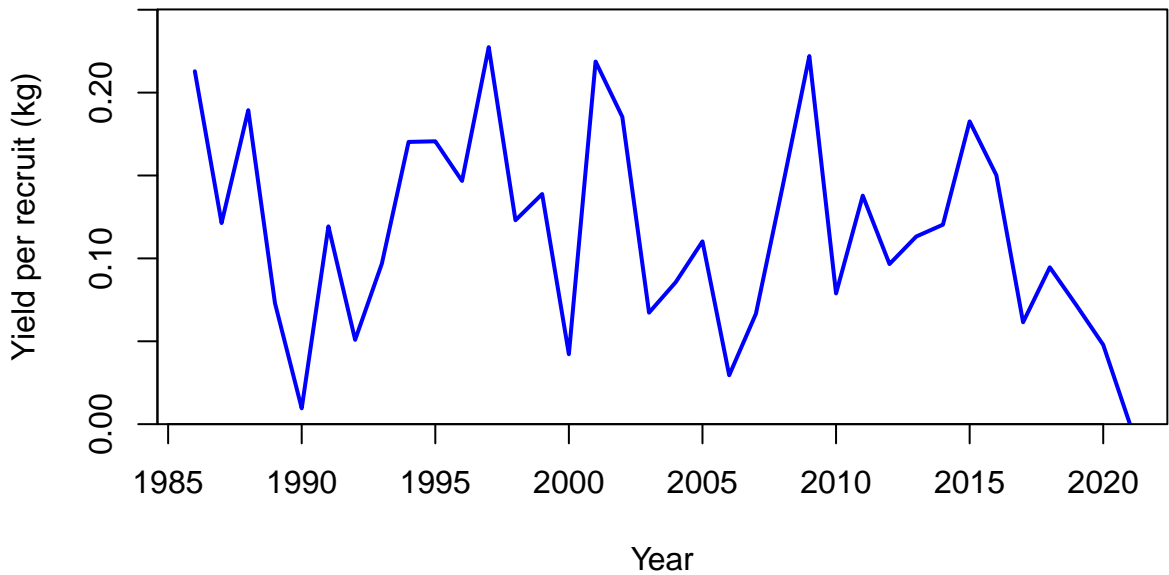
FISHERY (whole catch)

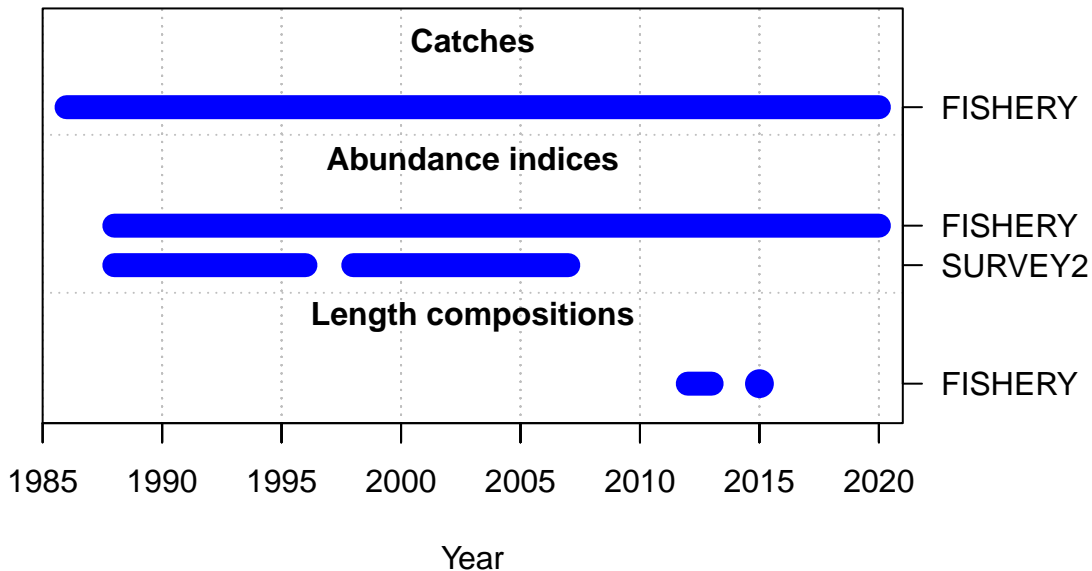


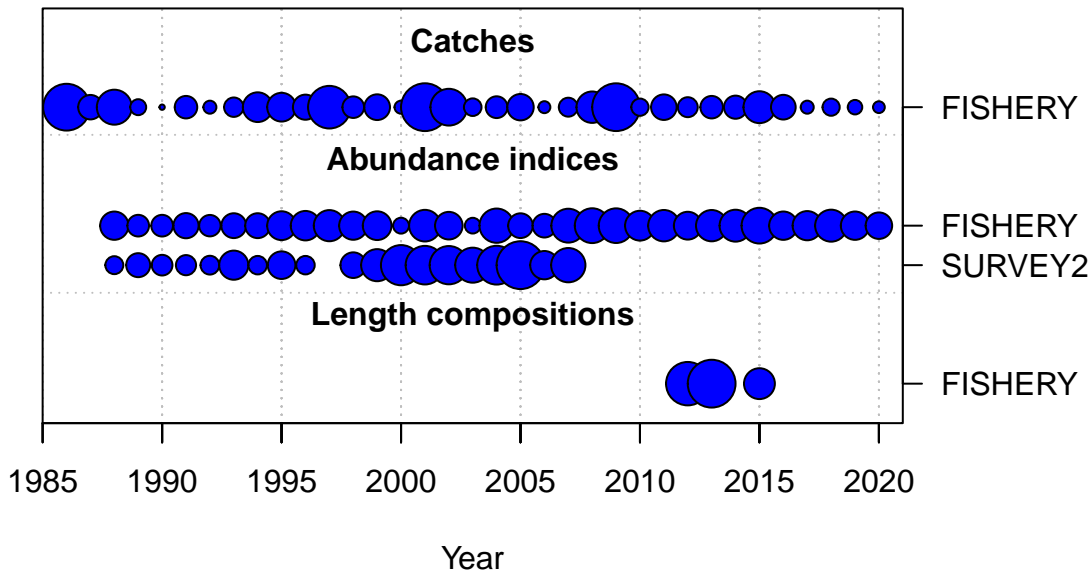




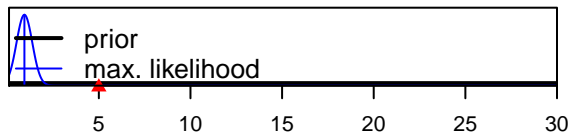




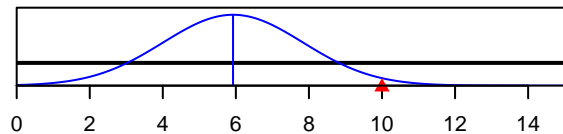




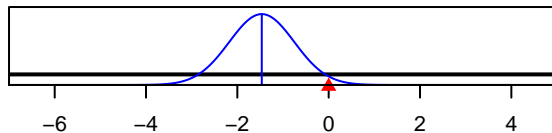
SR_LN(R0)



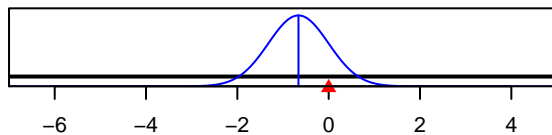
Size_95%width_FISHERY(1)



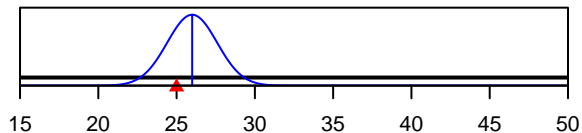
LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Size_inflection_FISHERY(1)



Parameter value