

Plots created using the 'r4ss' package in R

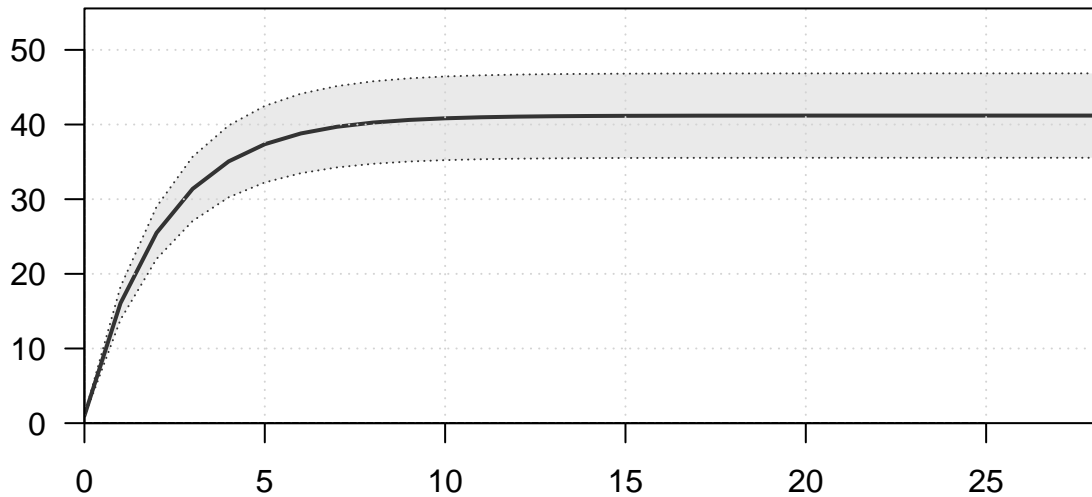
Stock Synthesis version: 3.30.19.0

StartTime: Fri Jul 29 15:08:01 2022

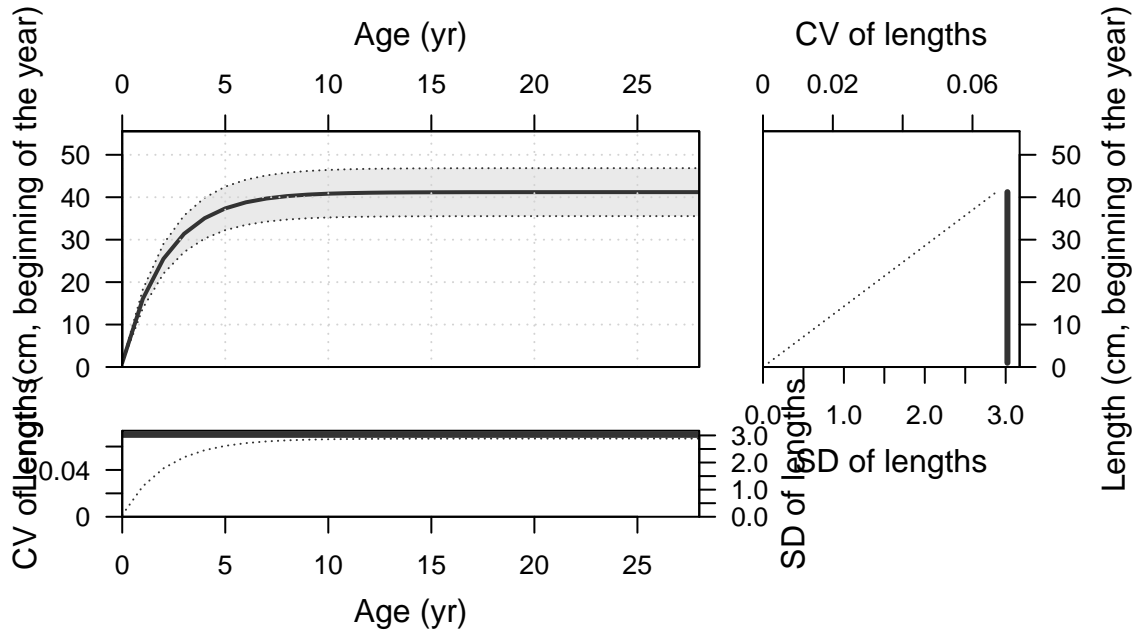
Data_File: data.ss

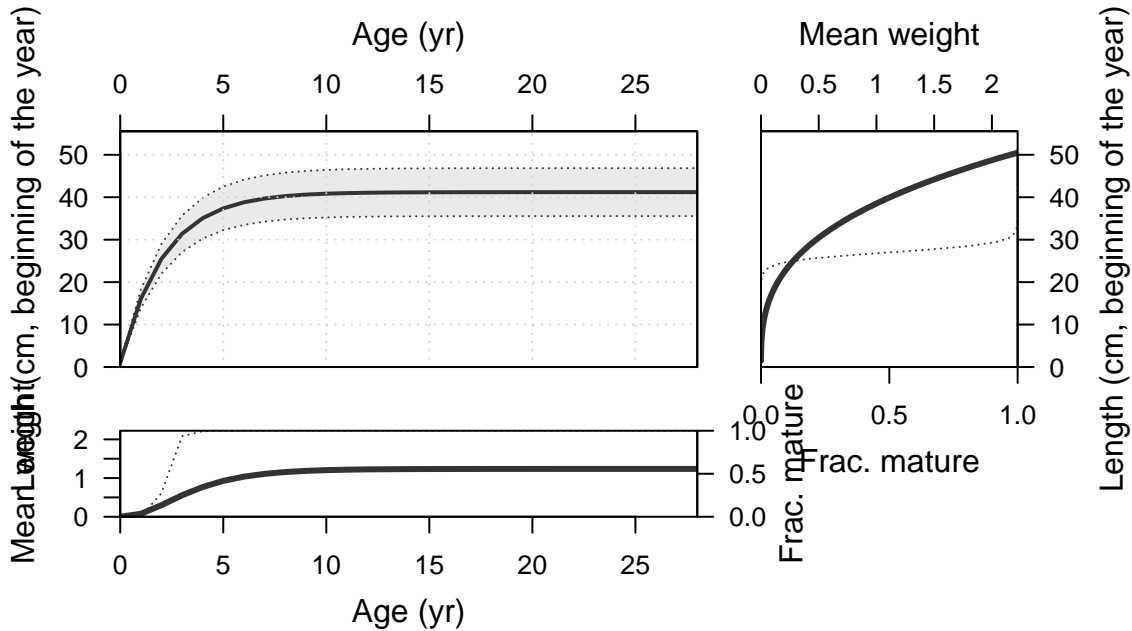
Control_File: control.ss

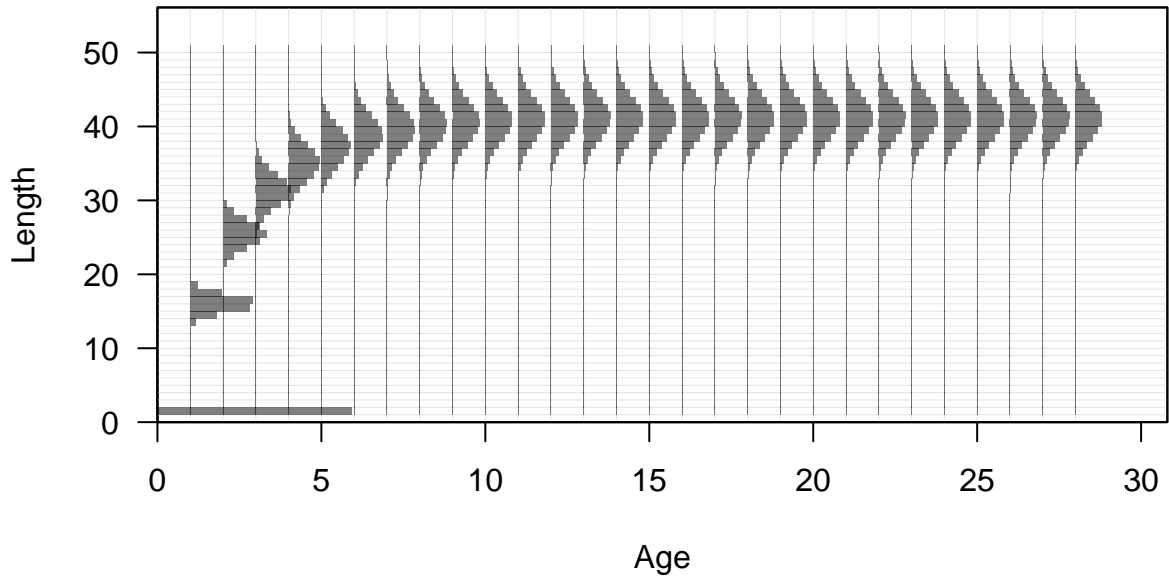
Length (cm, beginning of the year)

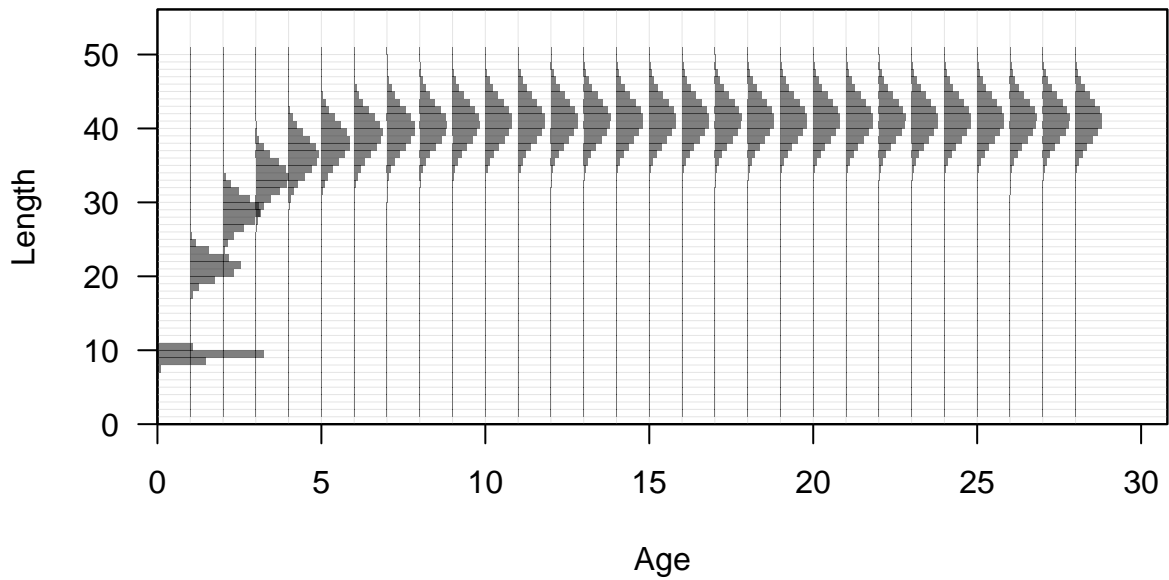


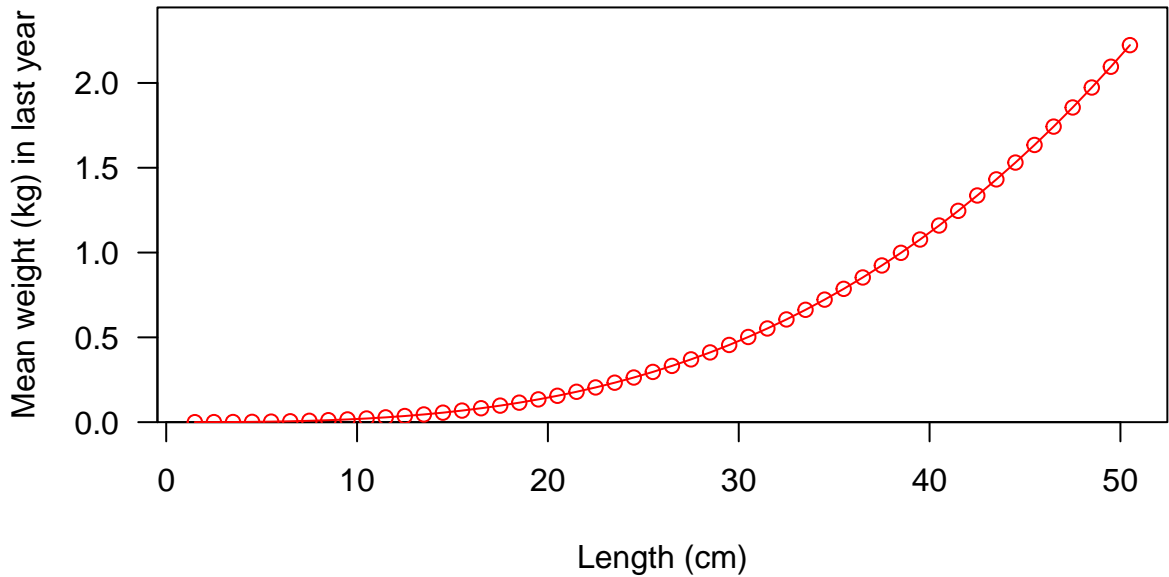
Age (yr)

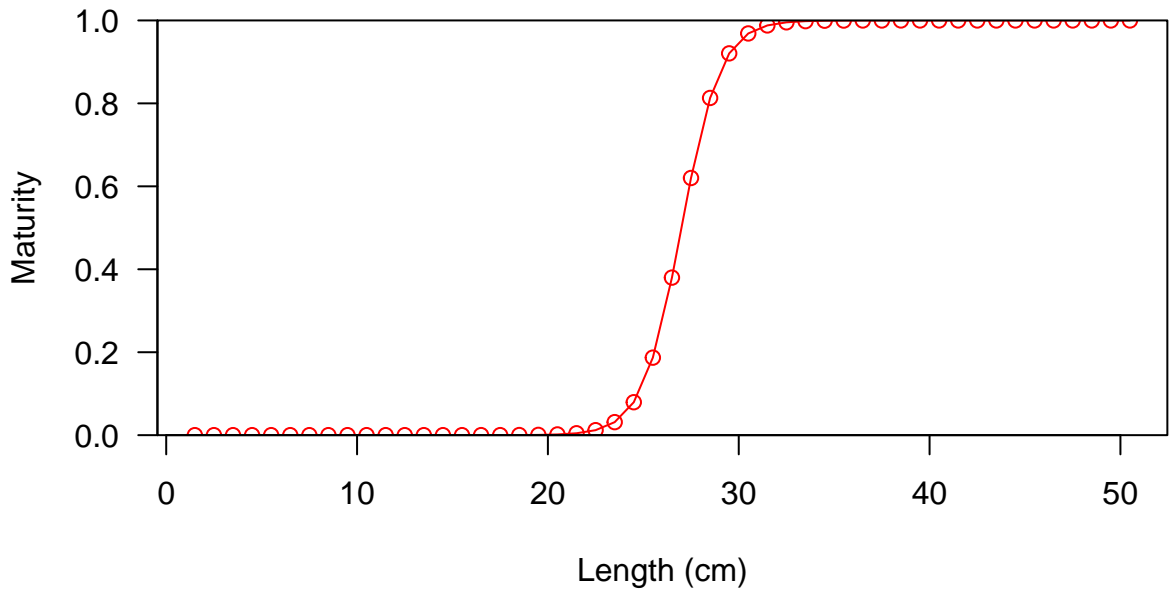


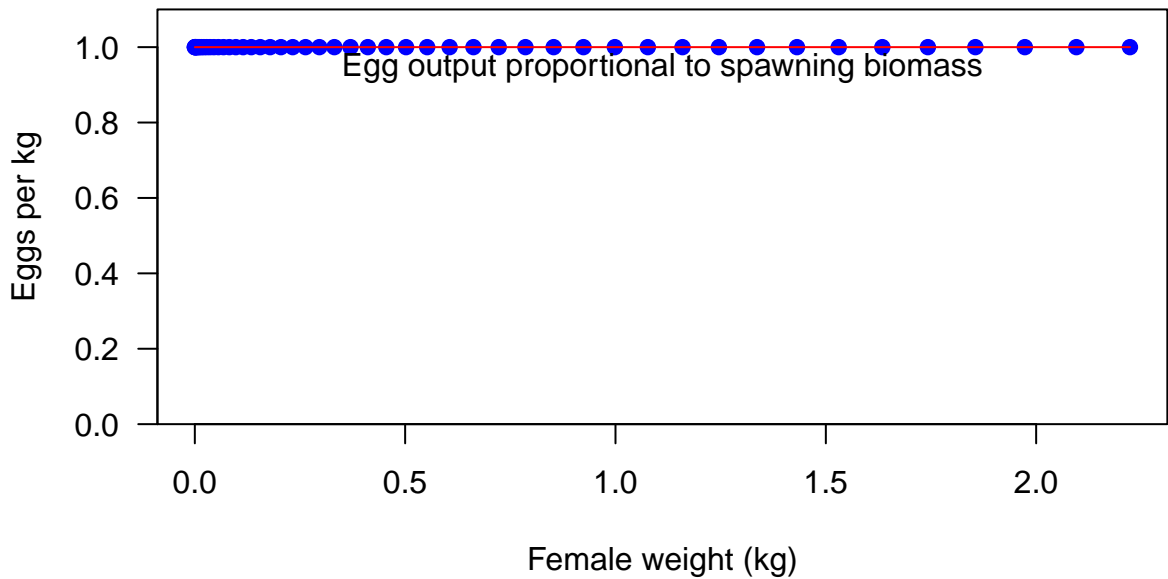


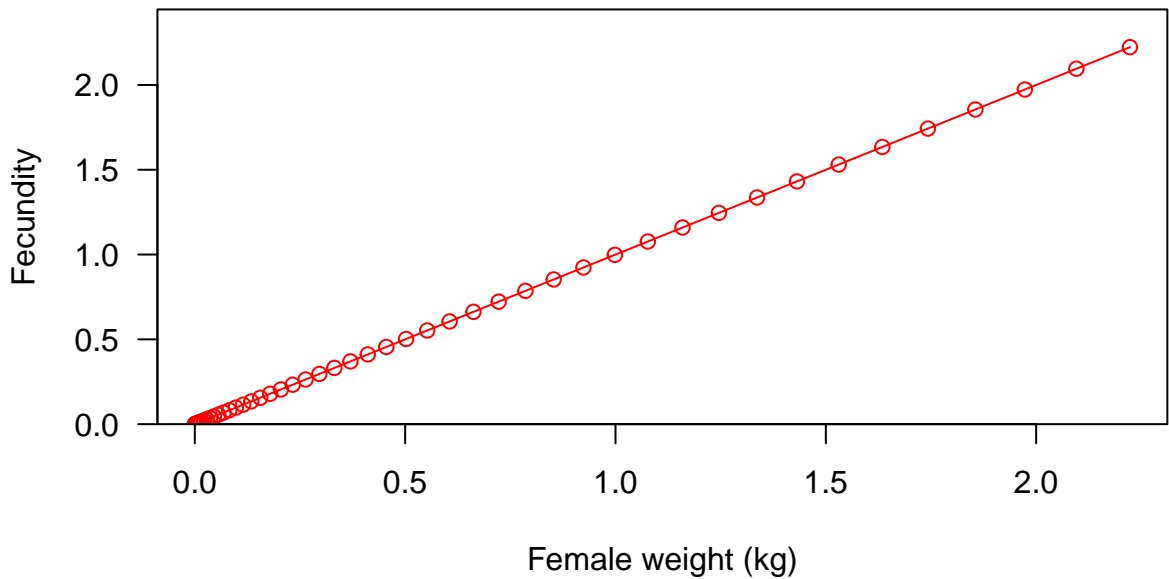


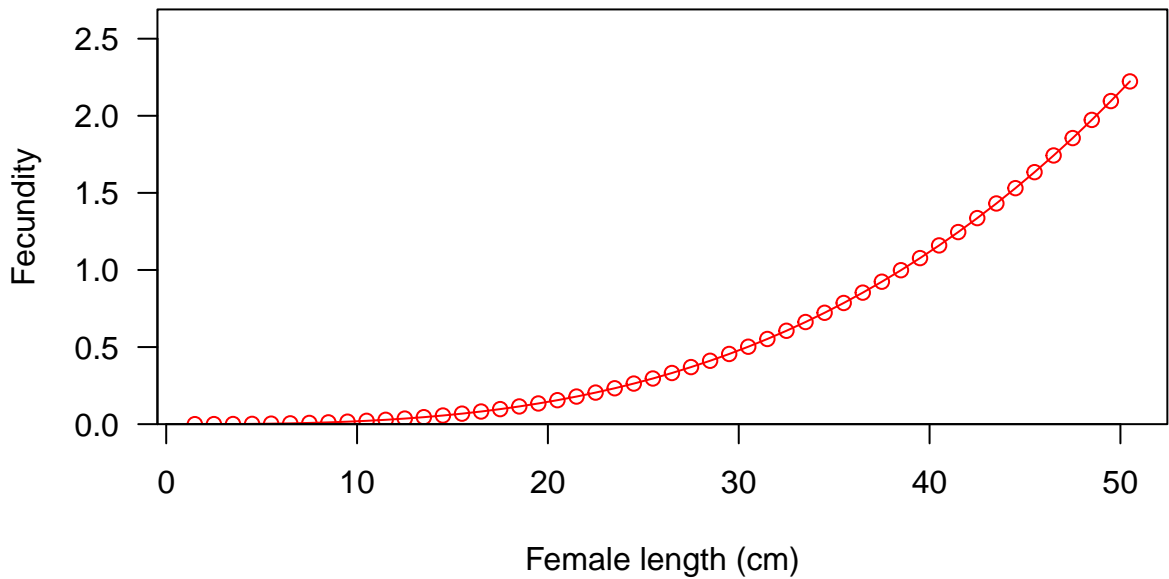


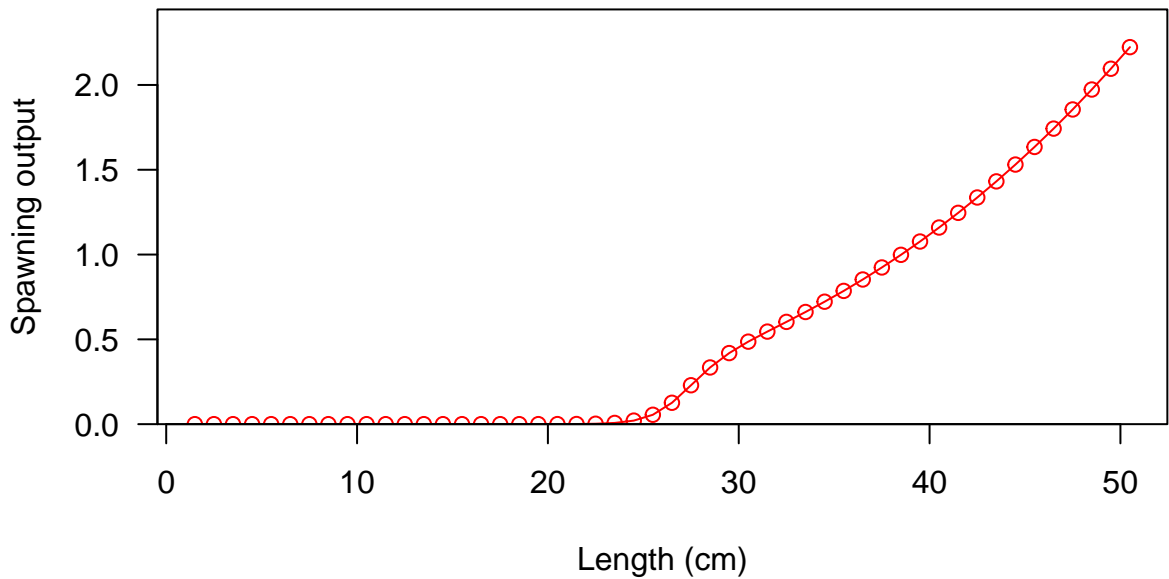


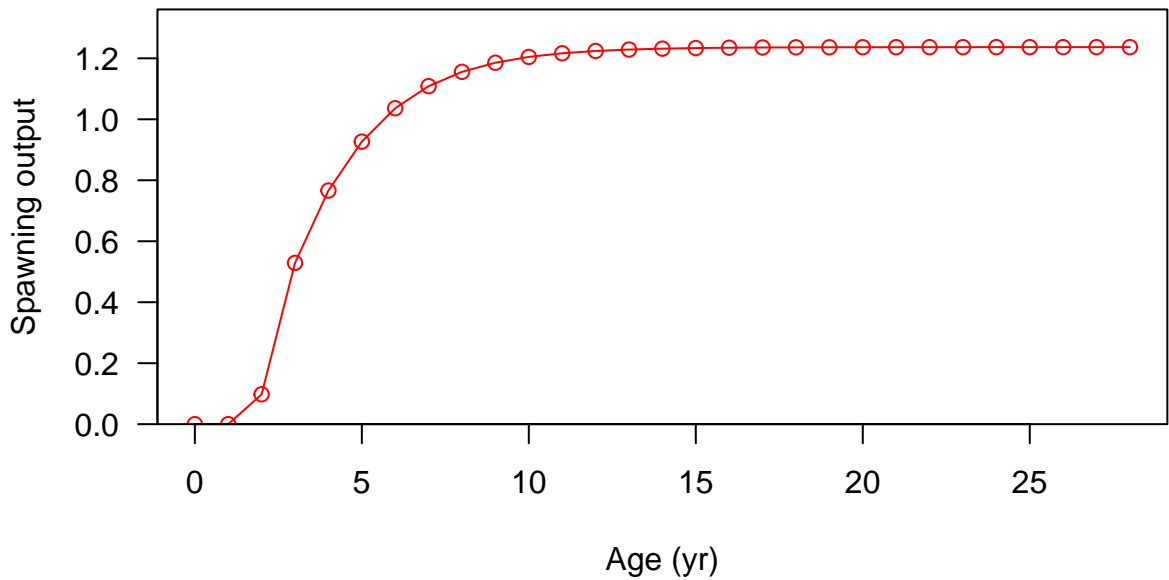




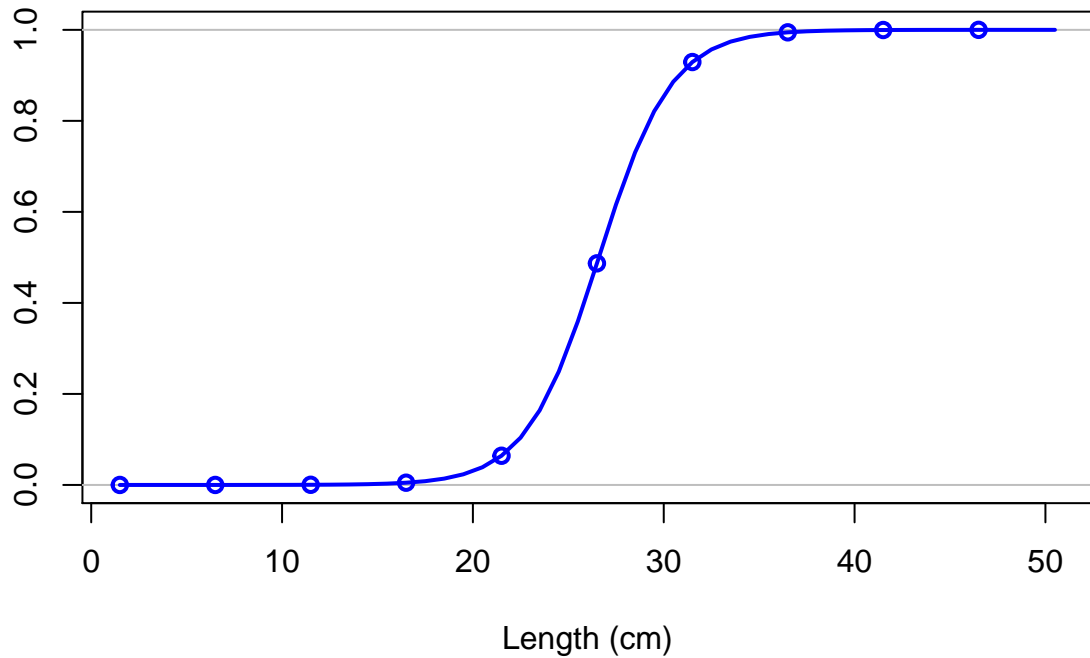




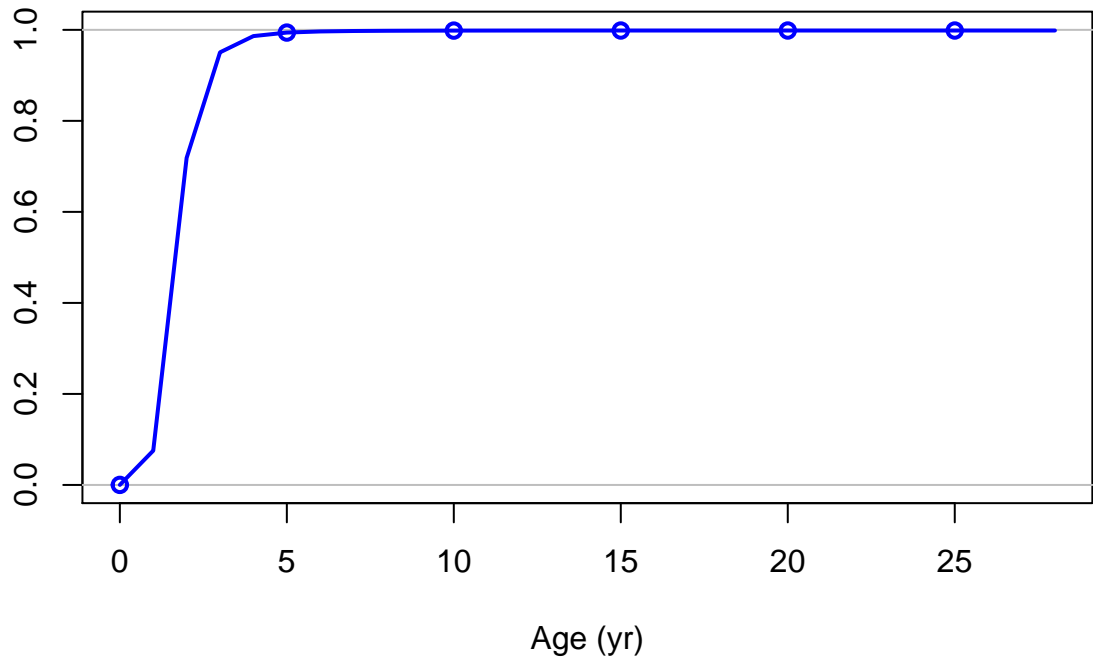




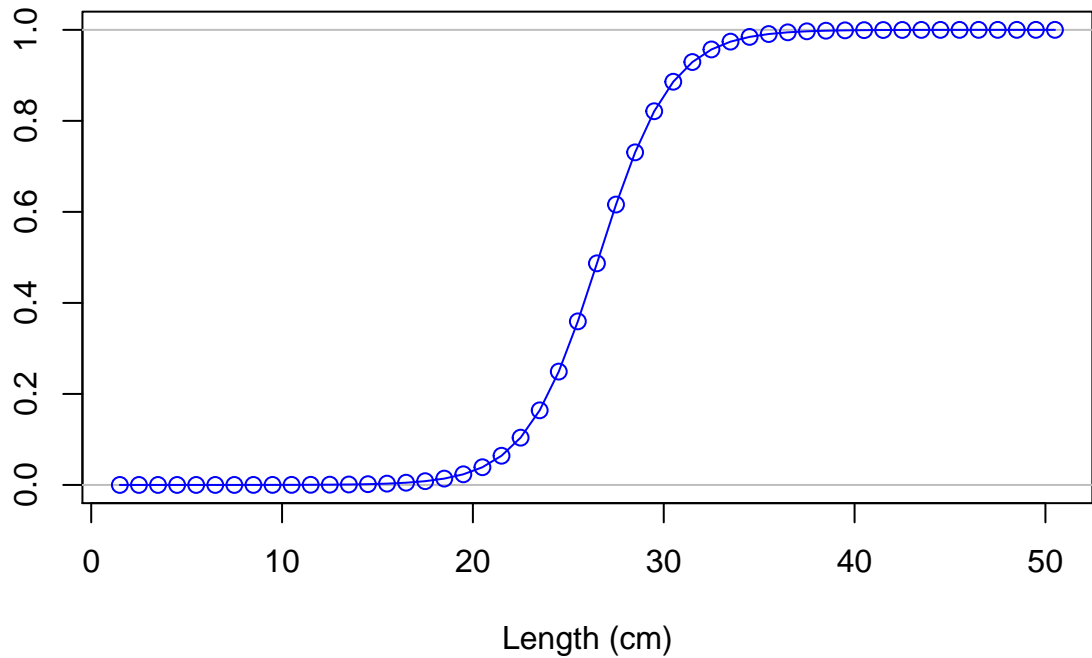
Selectivity

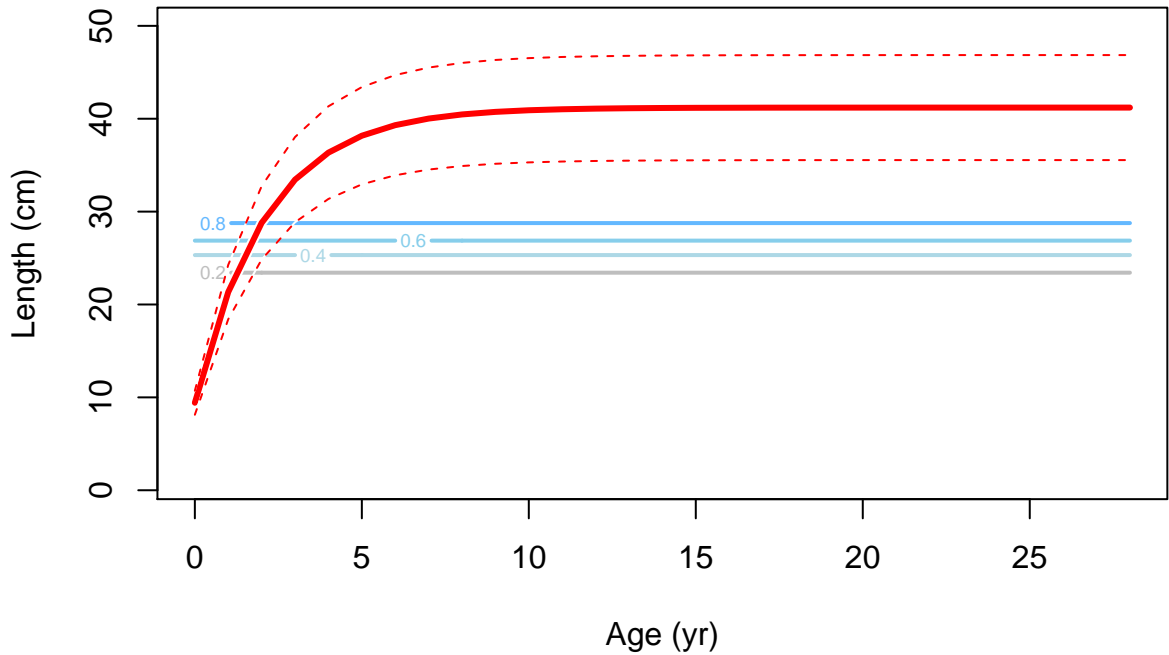


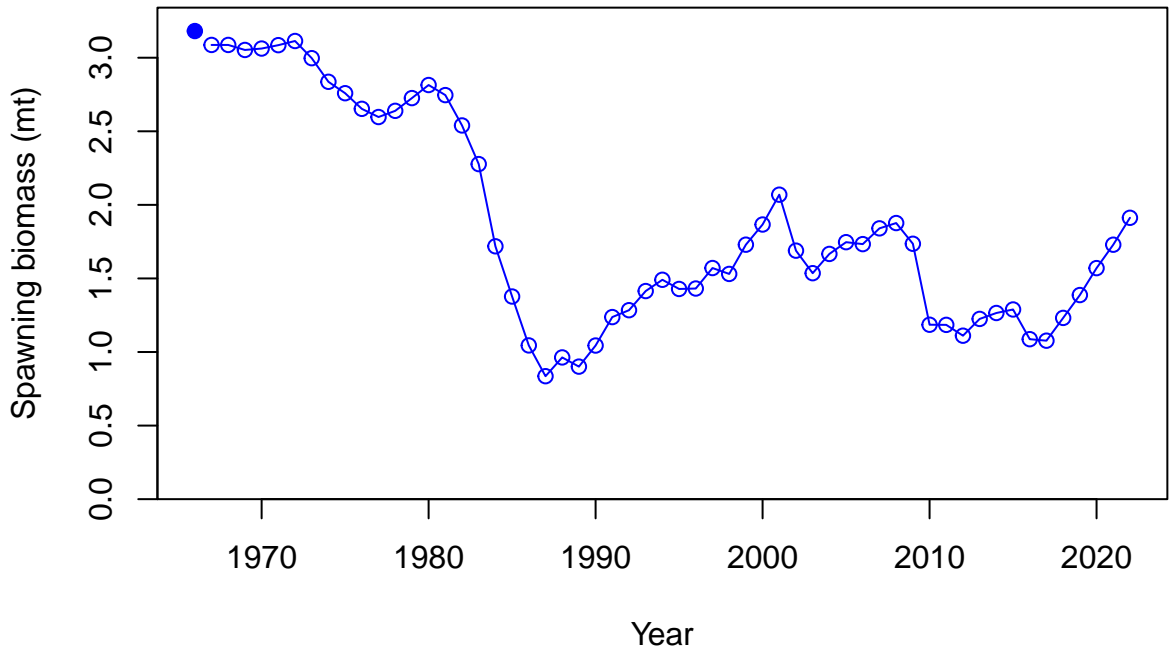
Selectivity



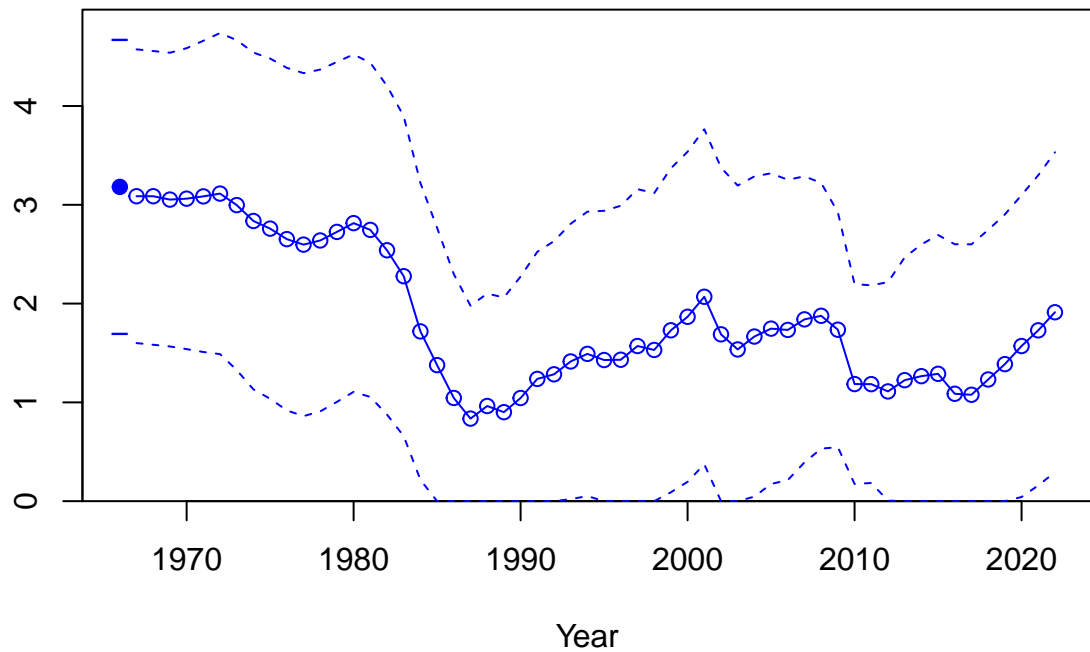
Selectivity



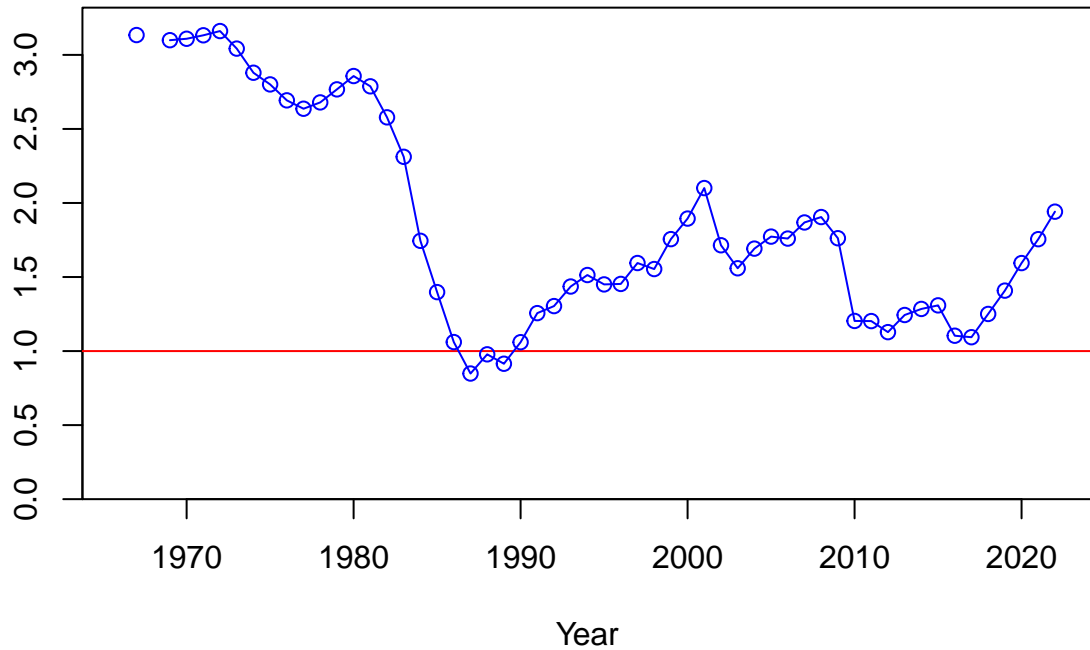




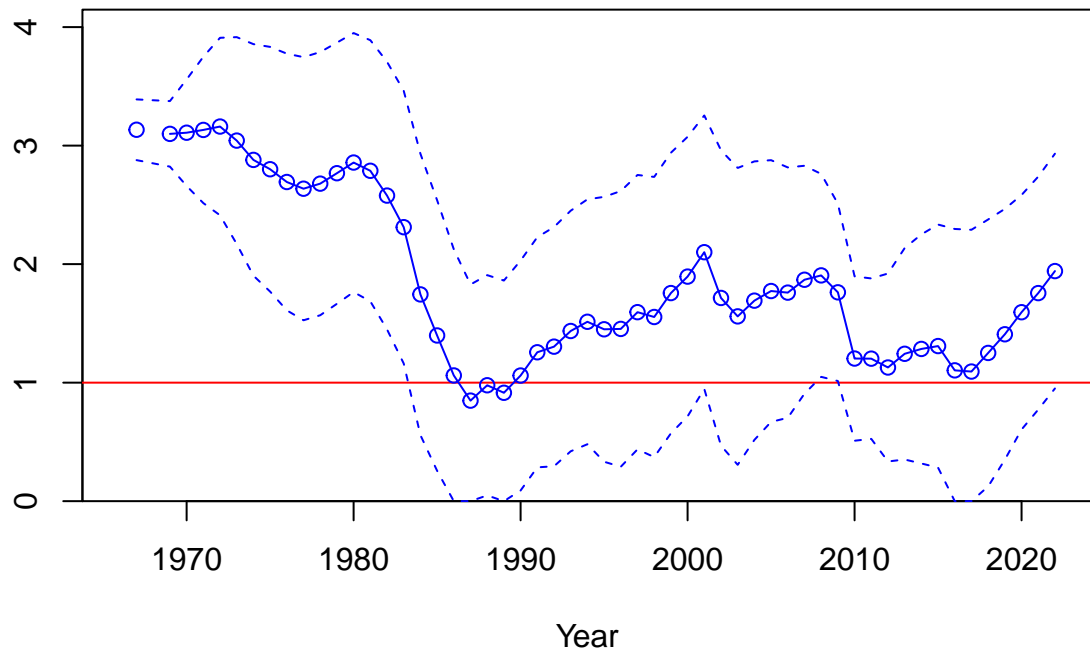
Spawning biomass (mt)

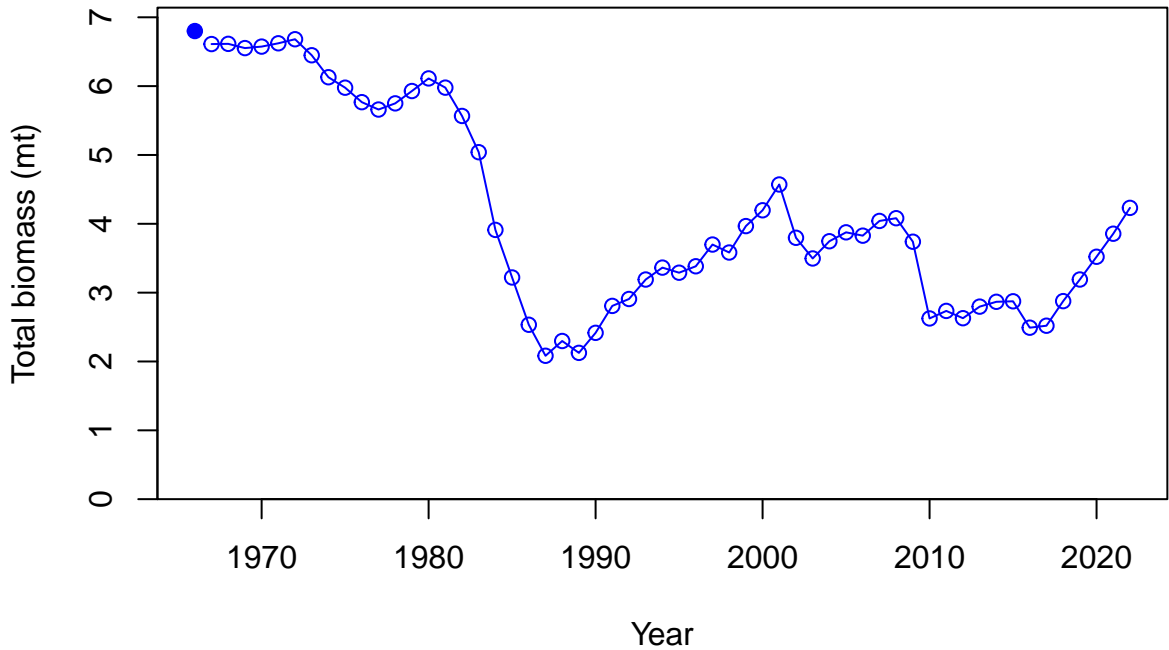


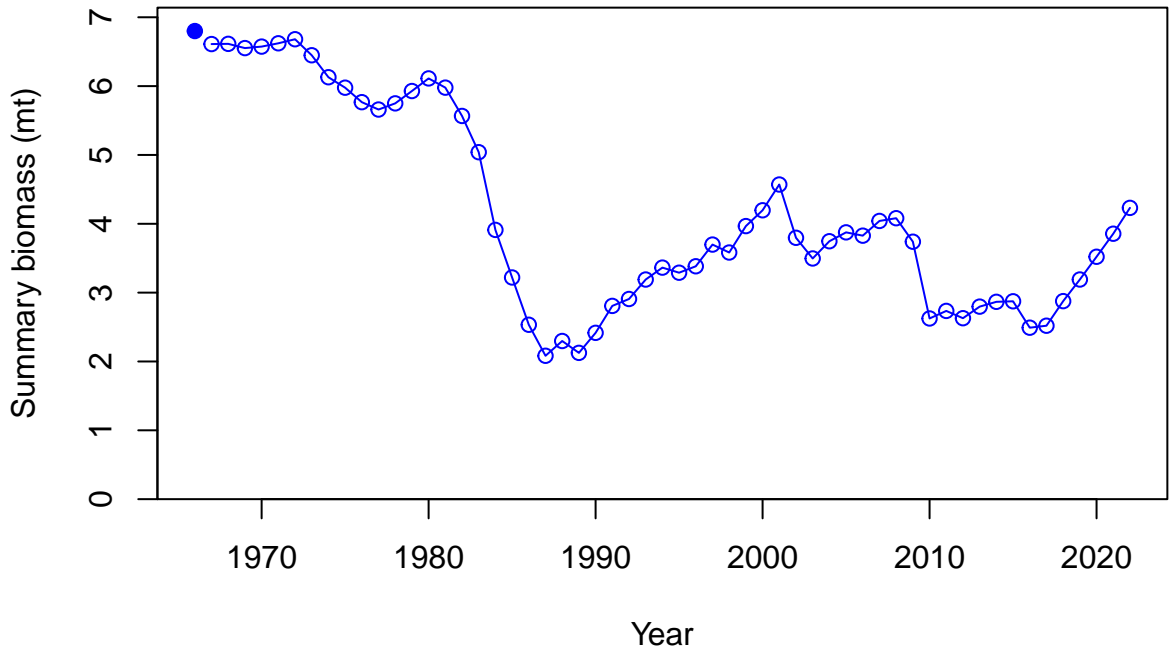
Relative spawning biomass: B/B_{MSY}



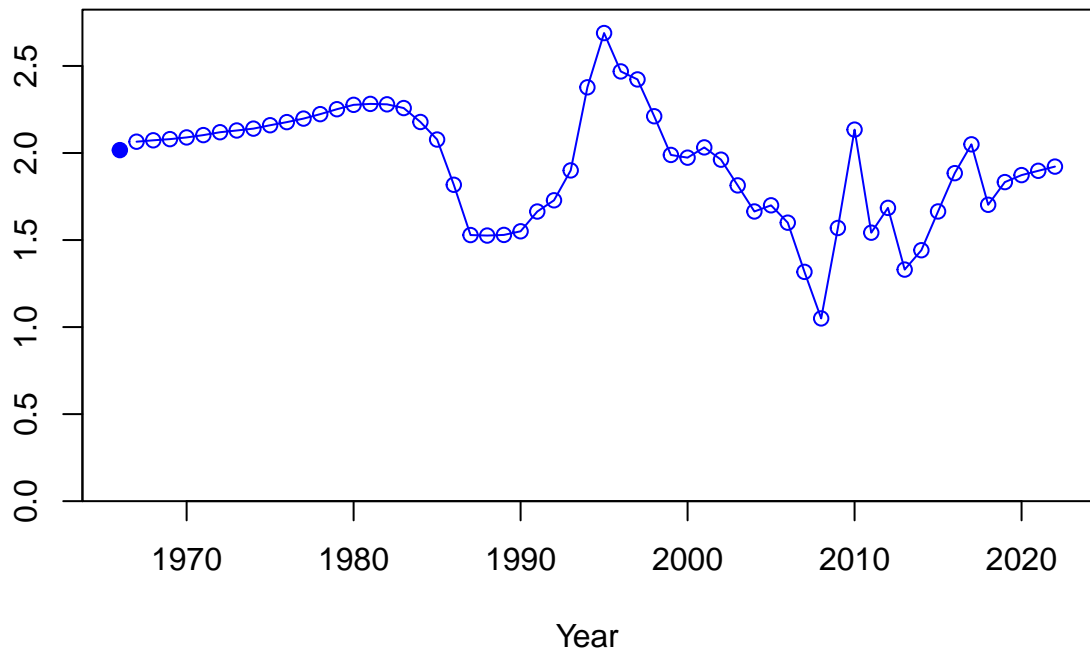
Relative spawning biomass: B/B_{MSY}



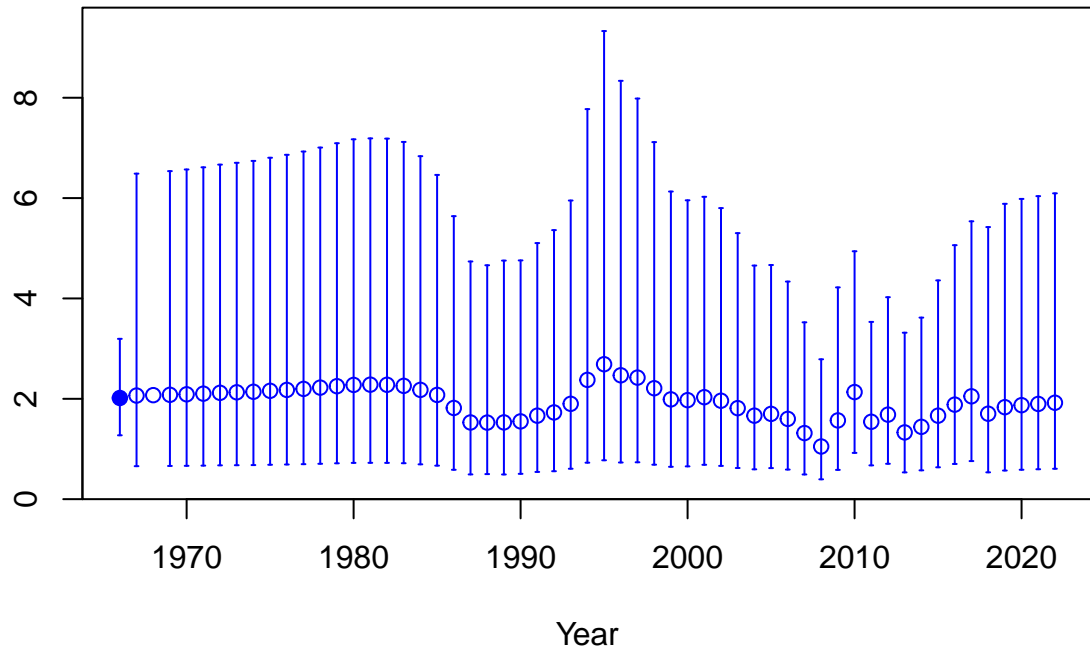




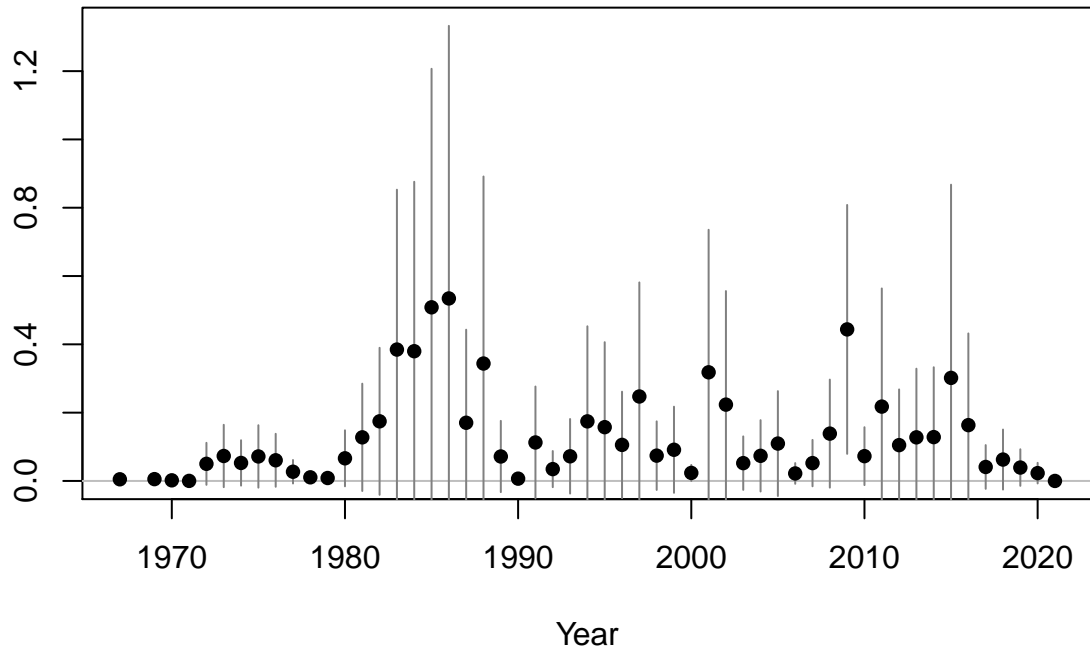
Age-0 recruits (1,000s)

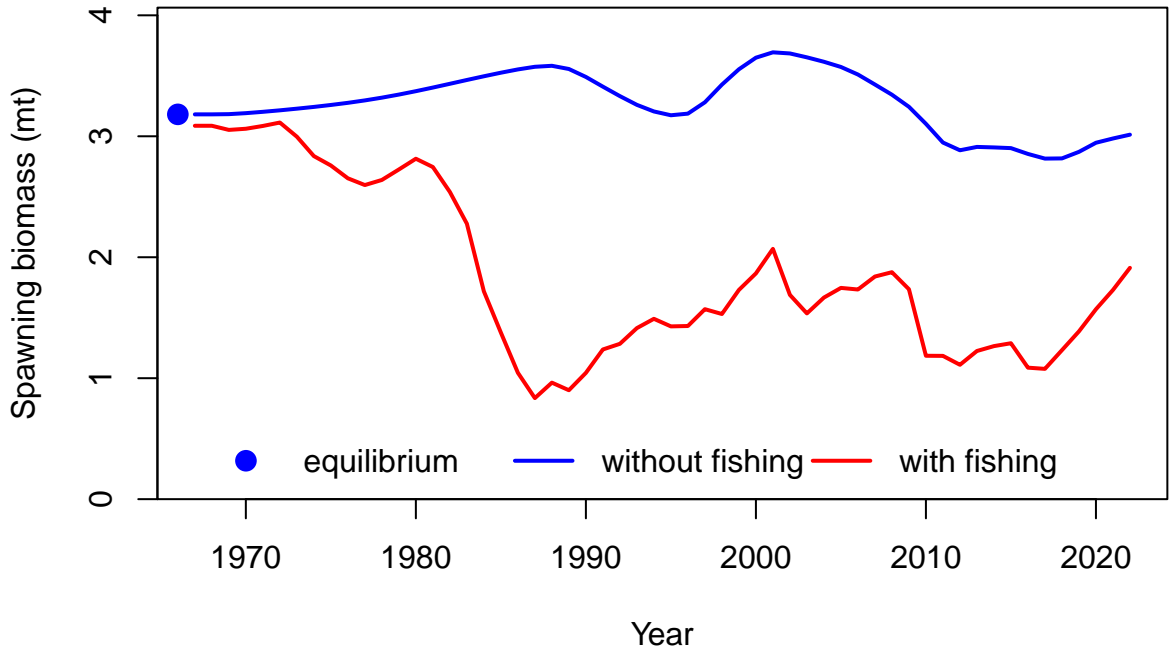


Age-0 recruits (1,000s)

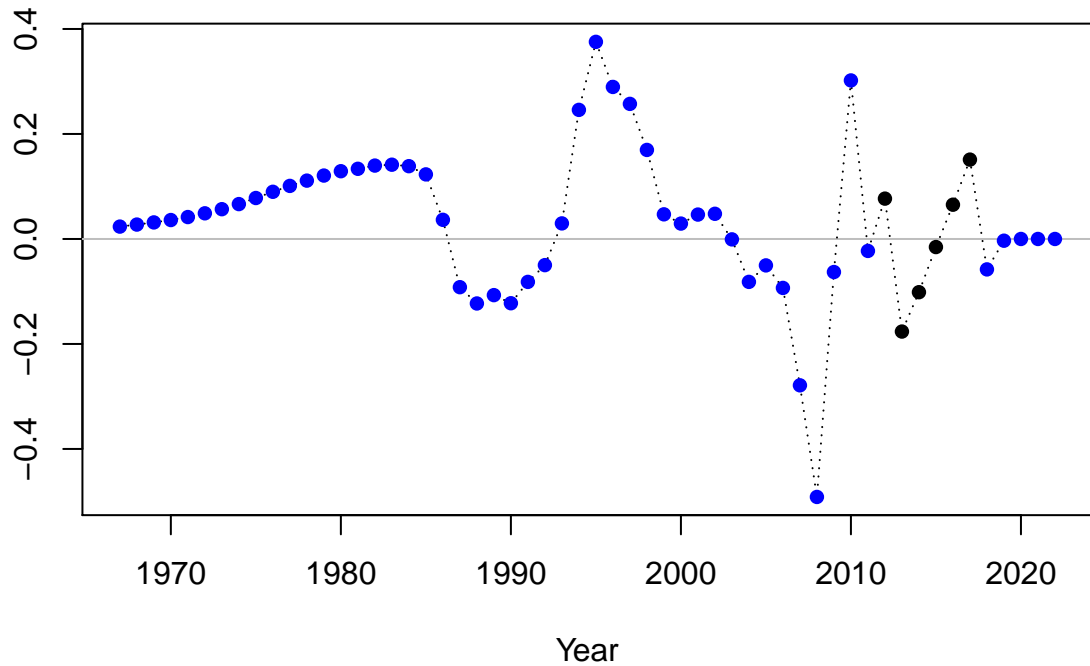


Summary Fishing Mortality

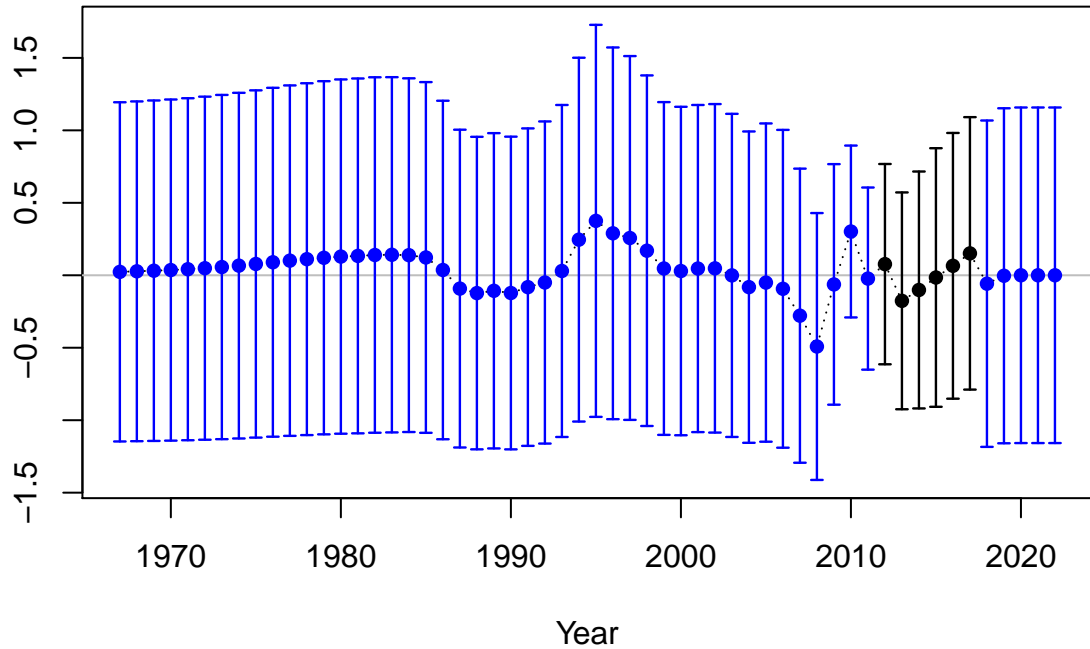




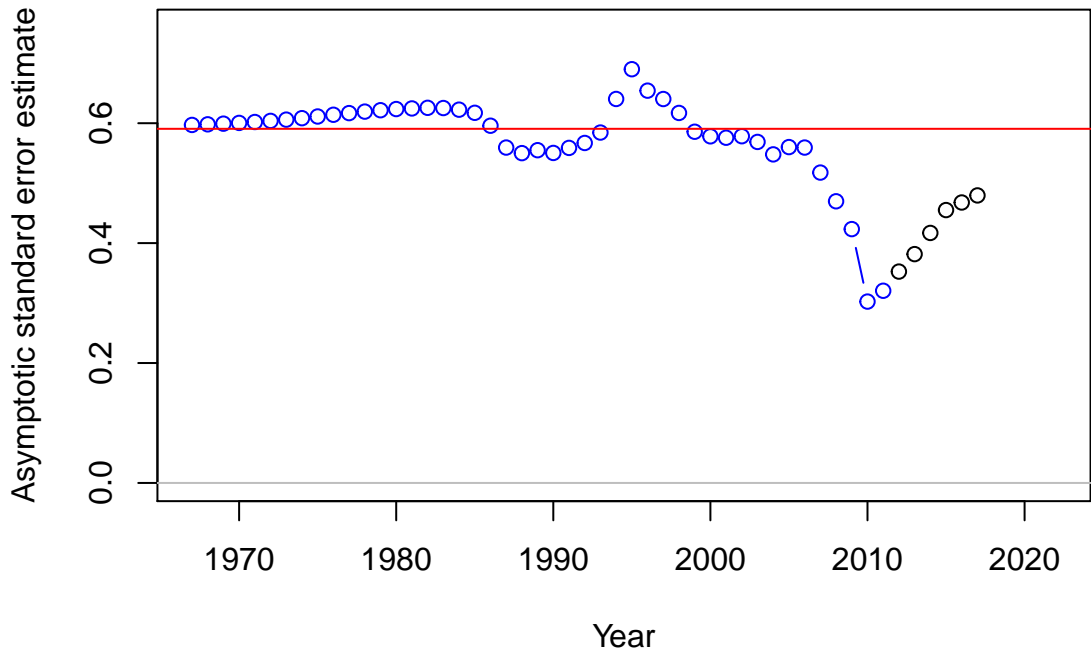
Log recruitment deviation

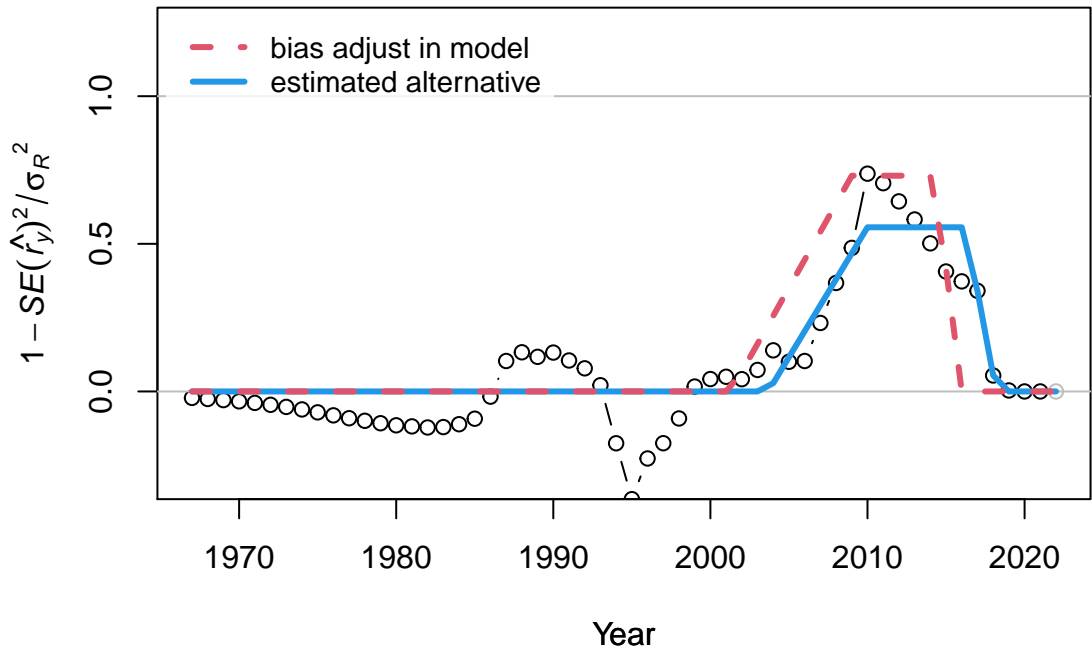


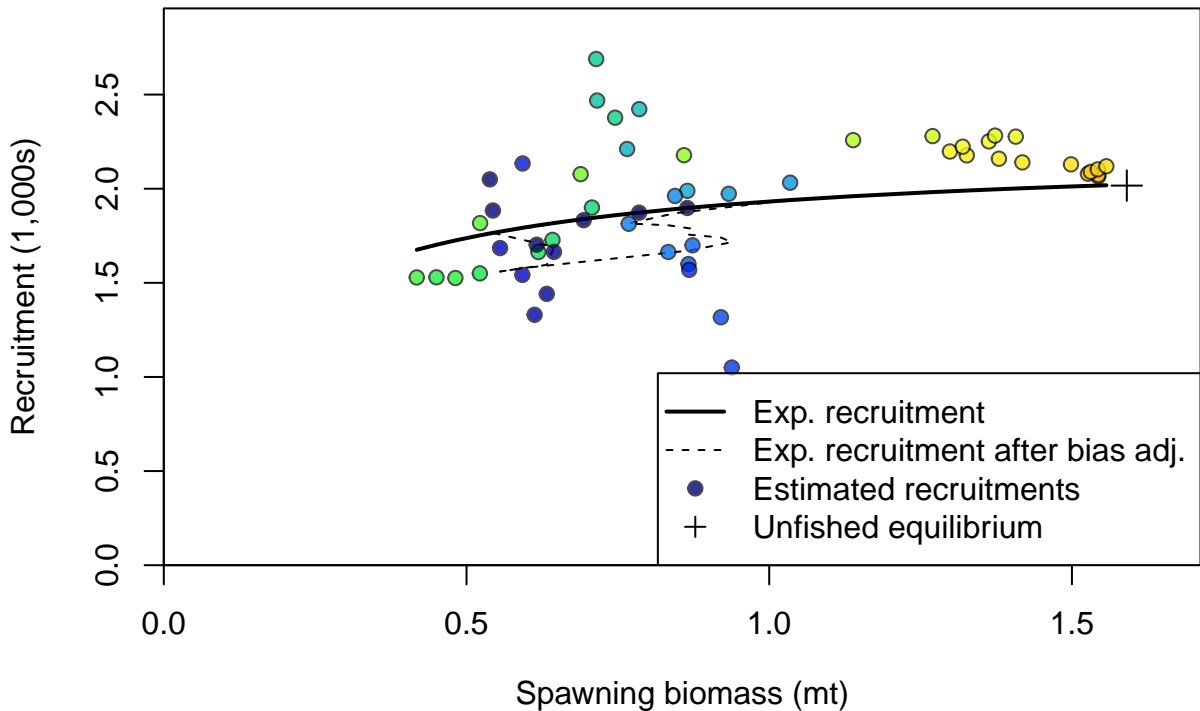
Log recruitment deviation

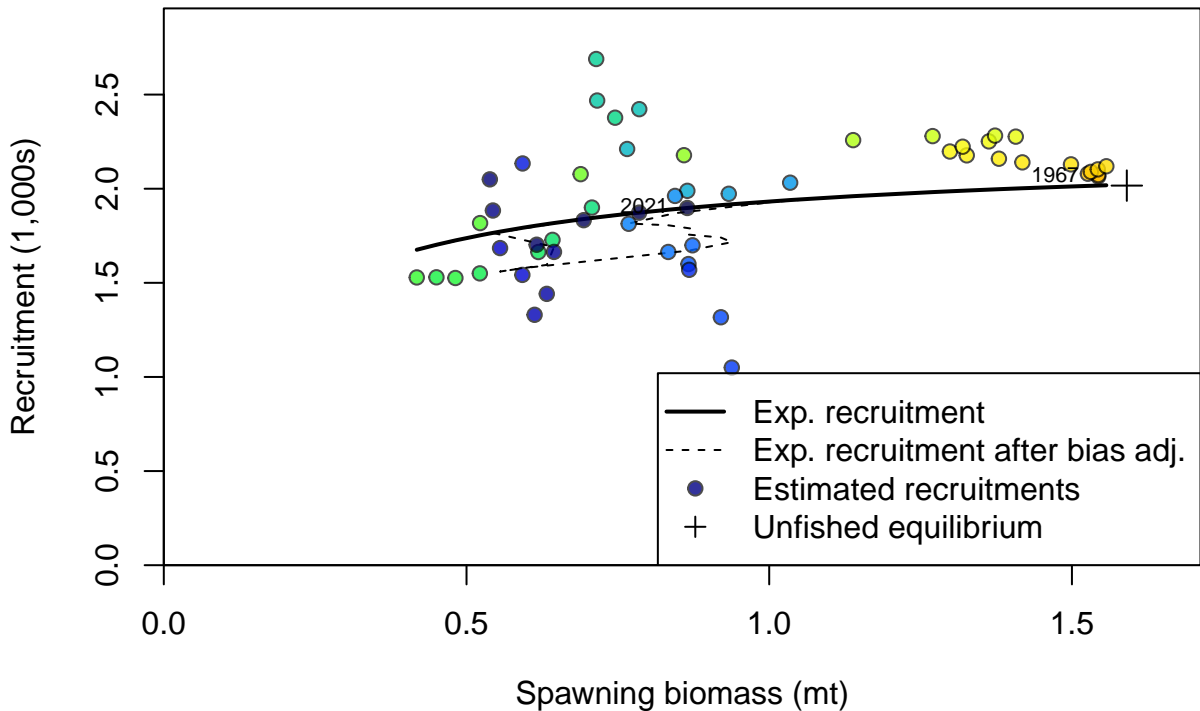


Recruitment deviation variance

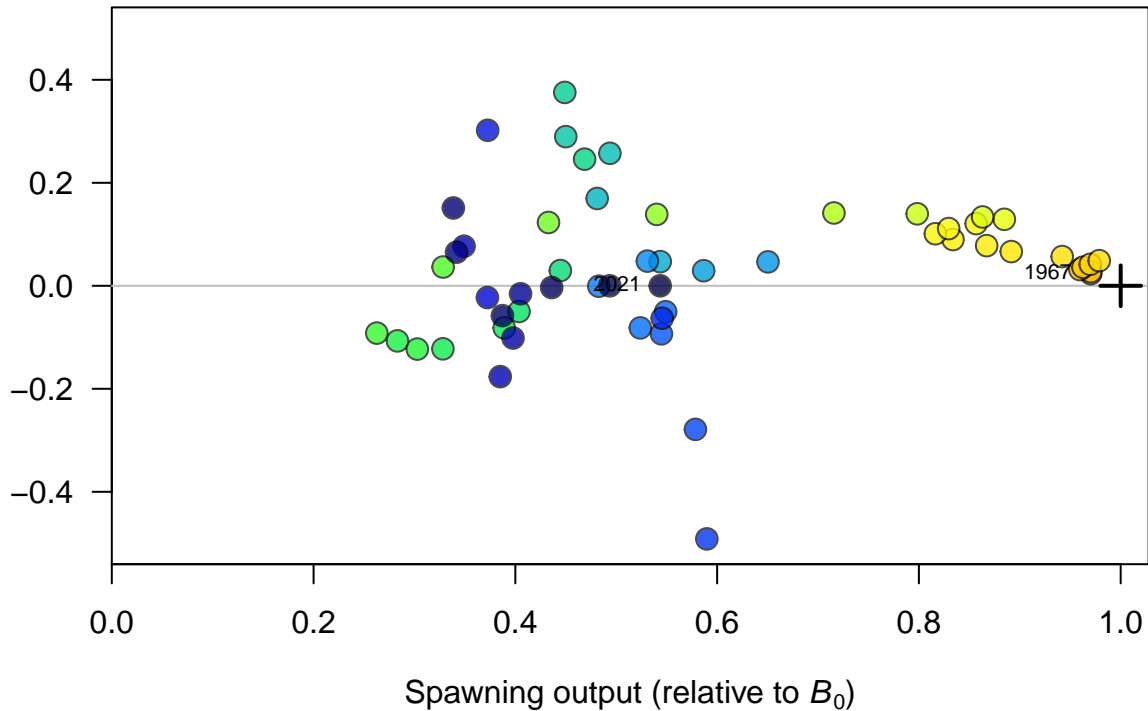


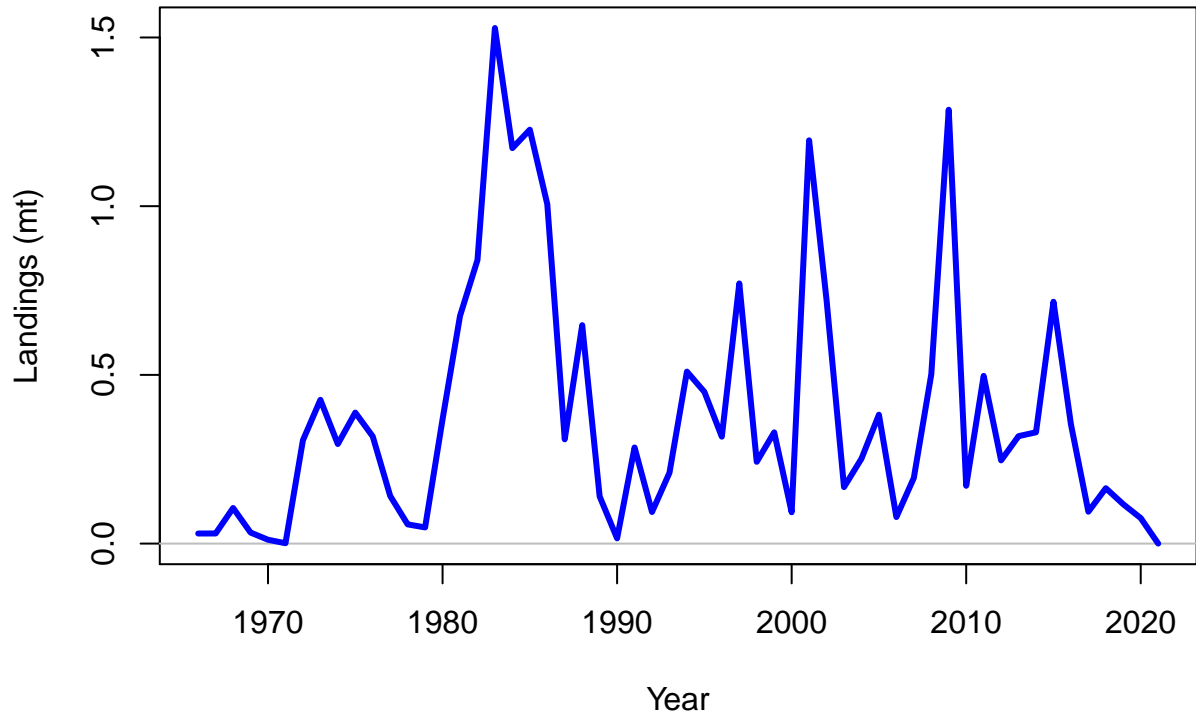


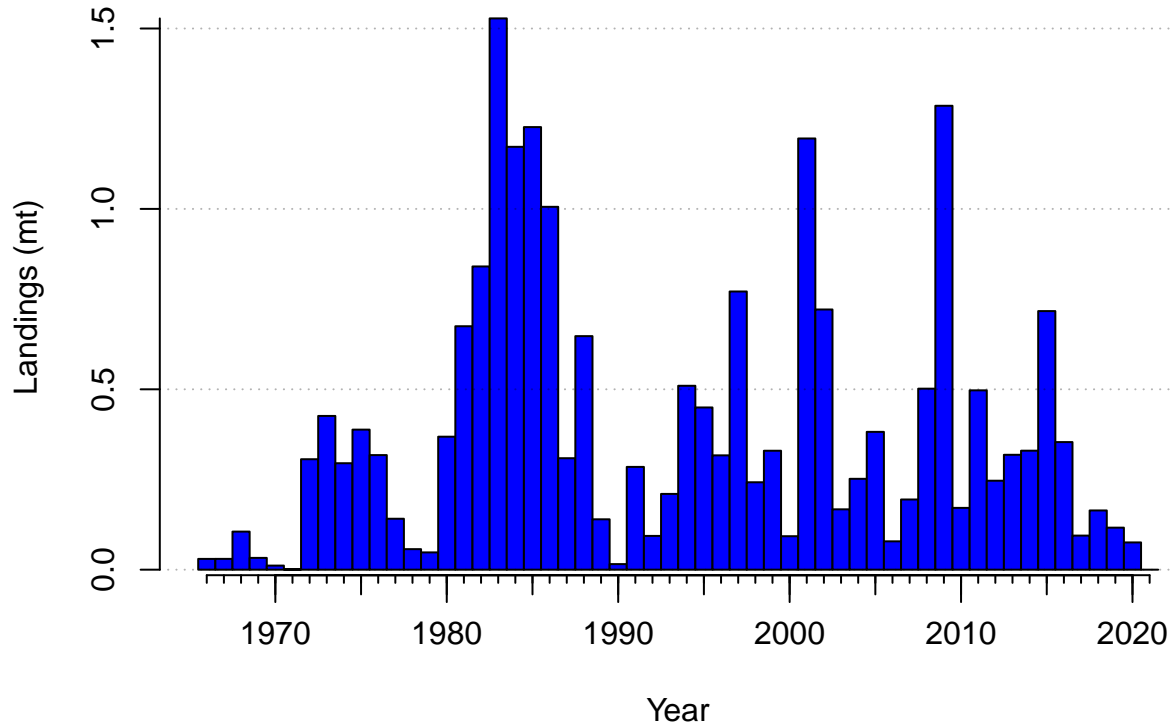




Log recruitment deviation







Observed and expected Landings (mt)

FISHERY
FISHERY obs.

1.5
1.0
0.5
0.0

1970

1980

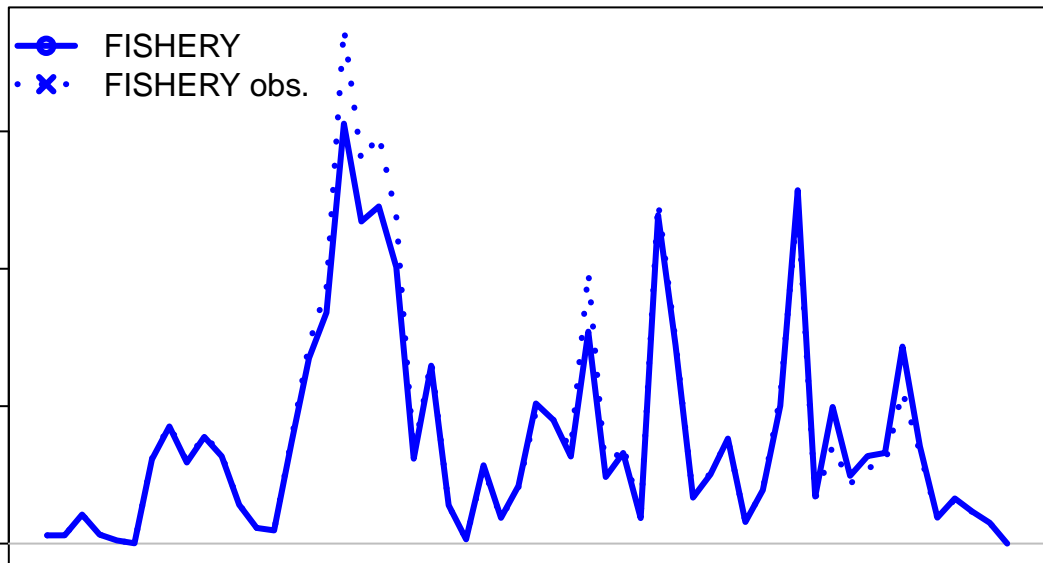
1990

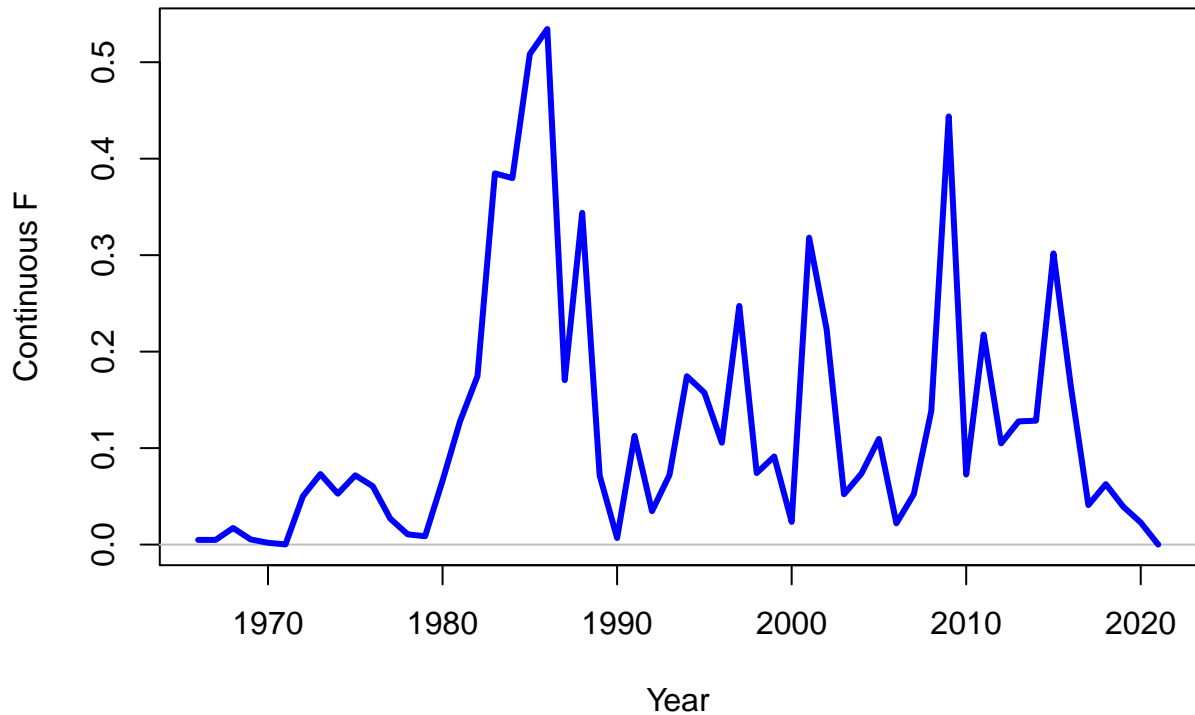
2000

2010

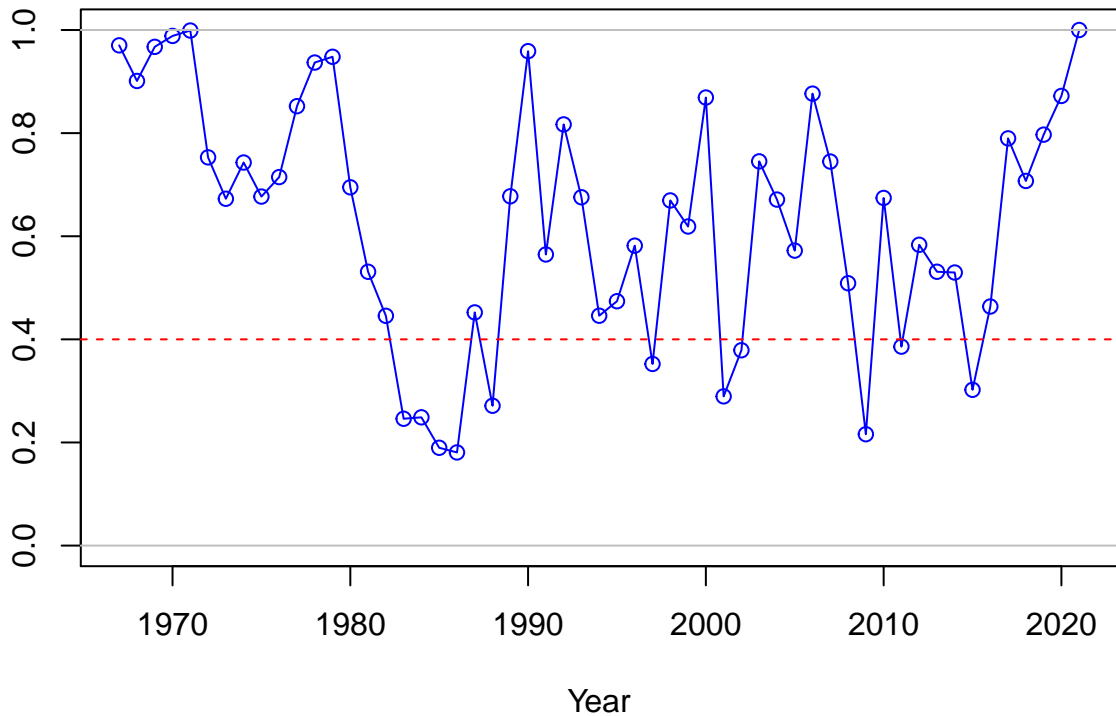
2020

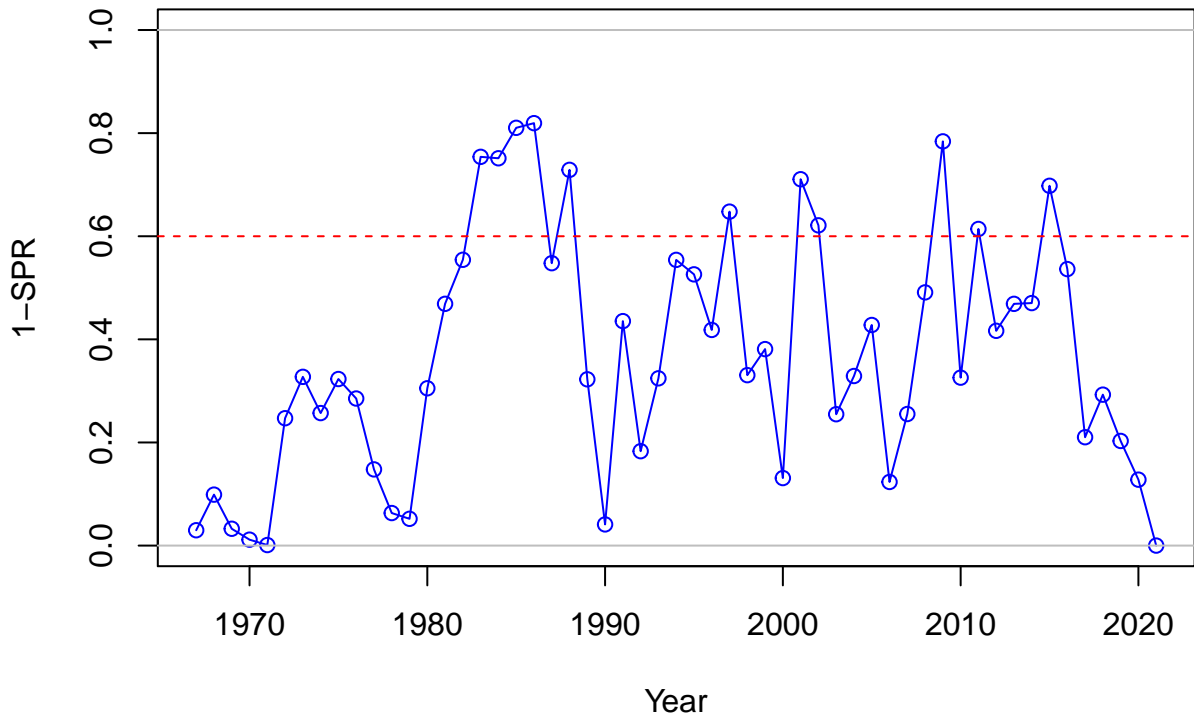
Year



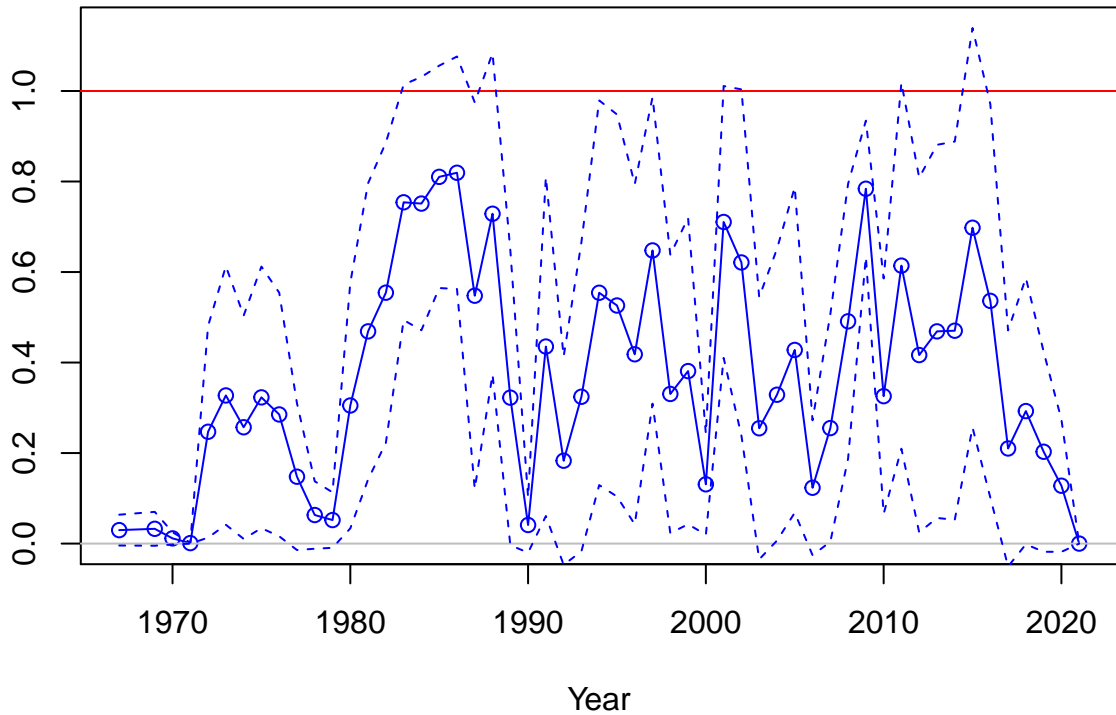


SPR

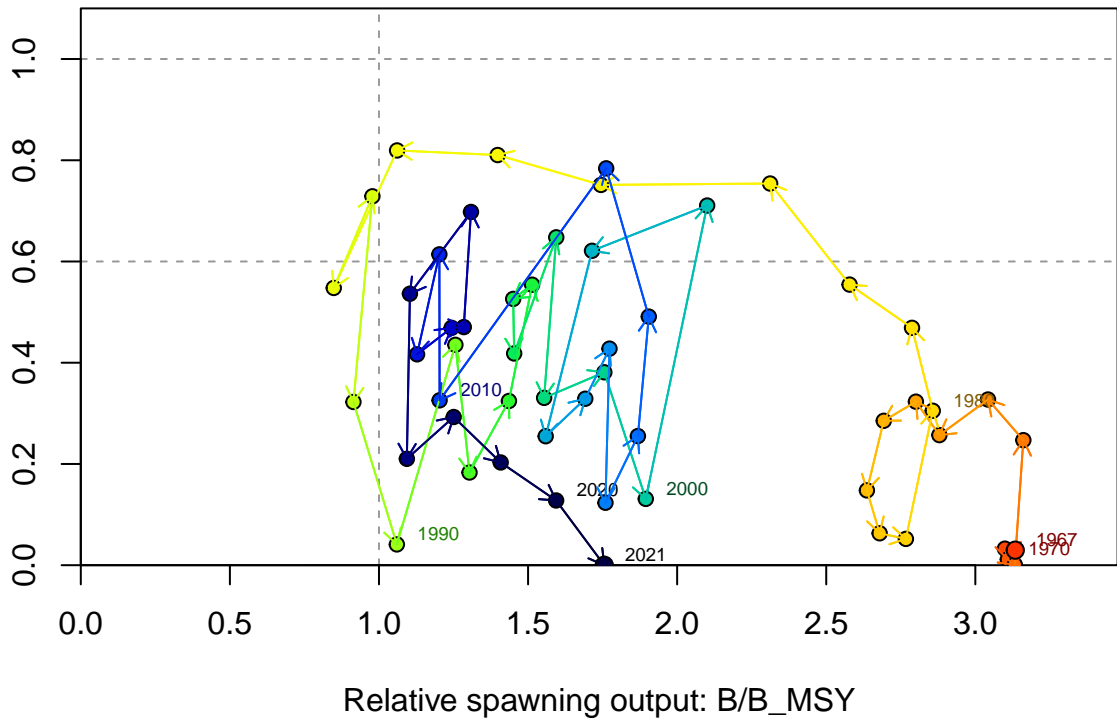




Fishing intensity: 1-SPR



Fishing intensity: 1-SPR



Index

15

10

5

0

1990

1995

2000

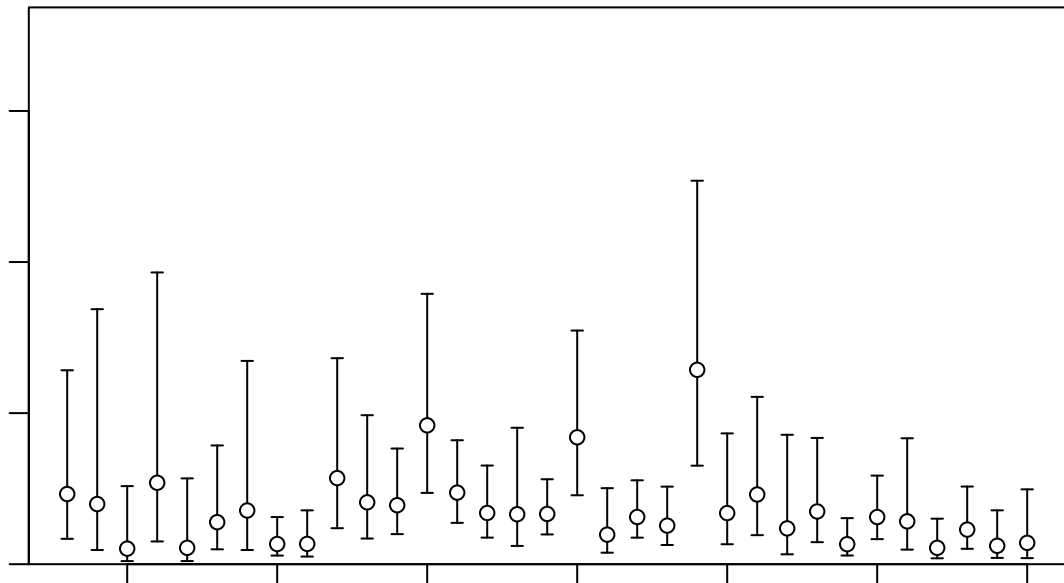
2005

2010

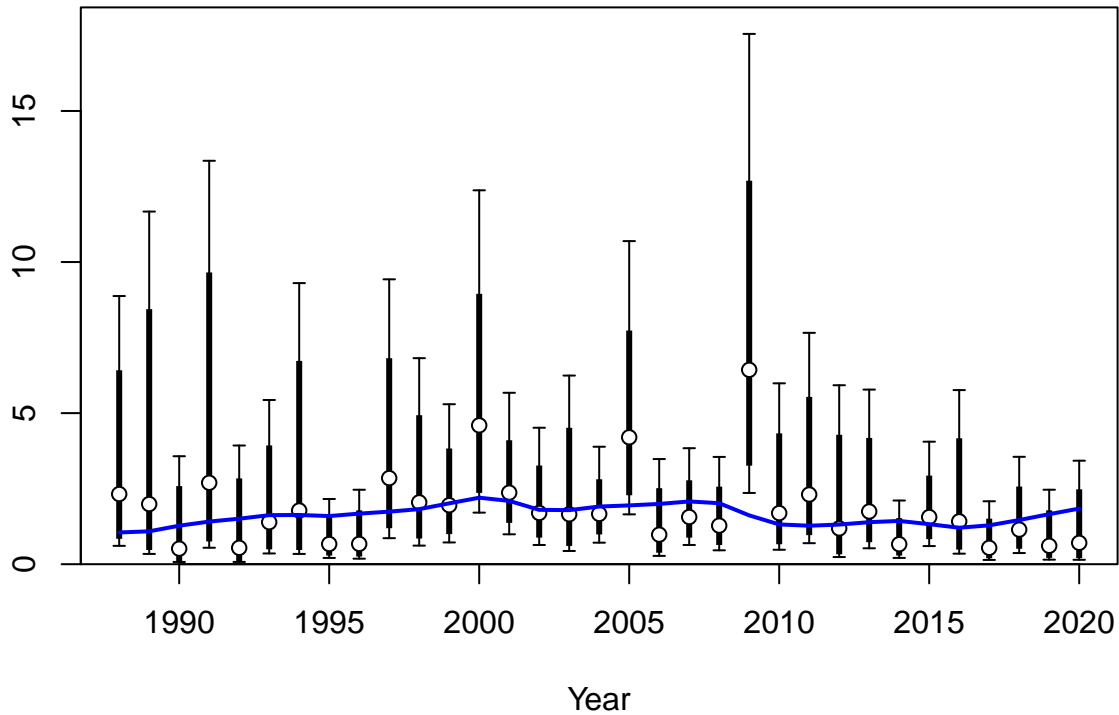
2015

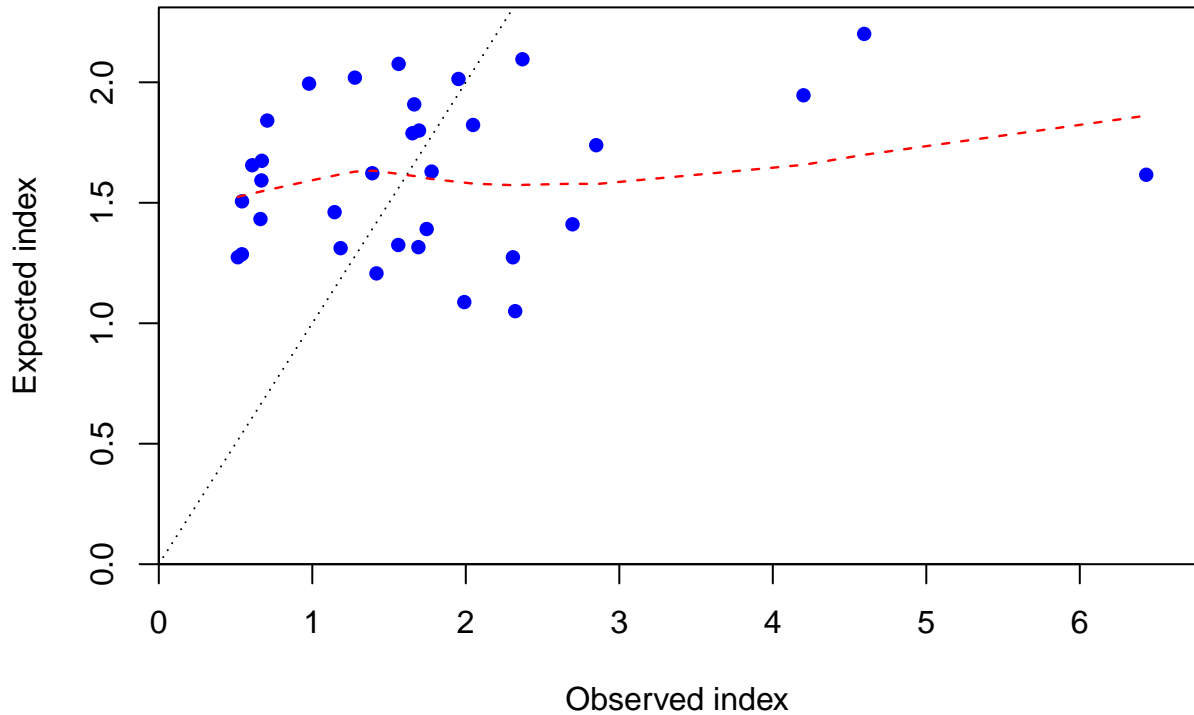
2020

Year

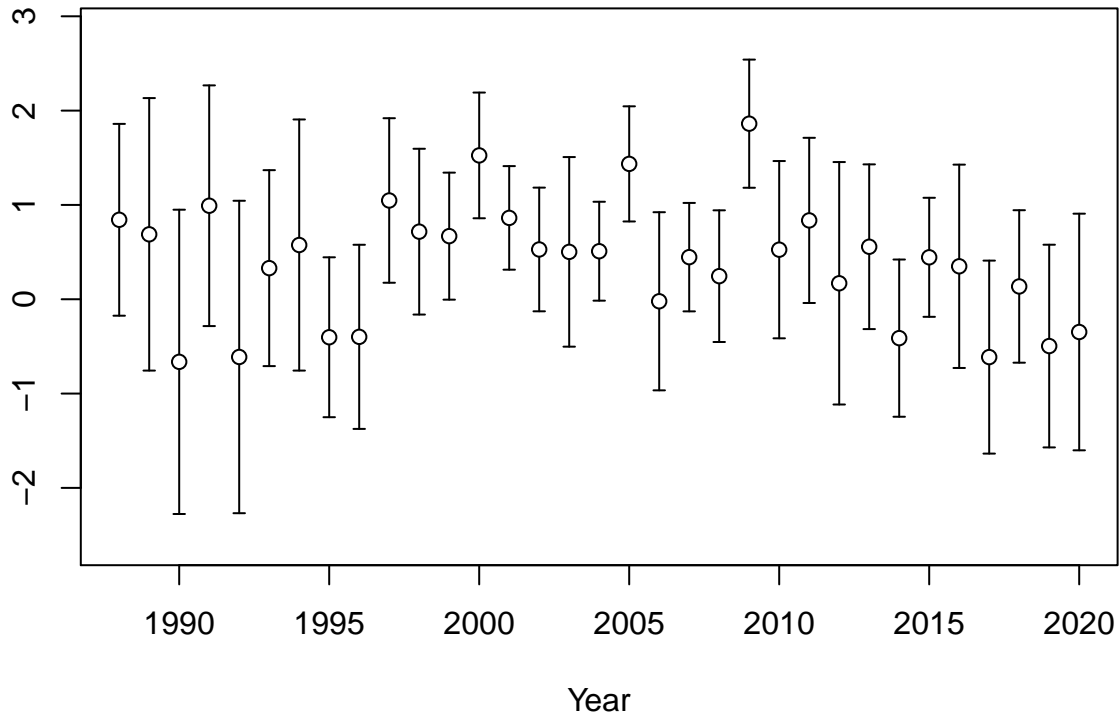


Index

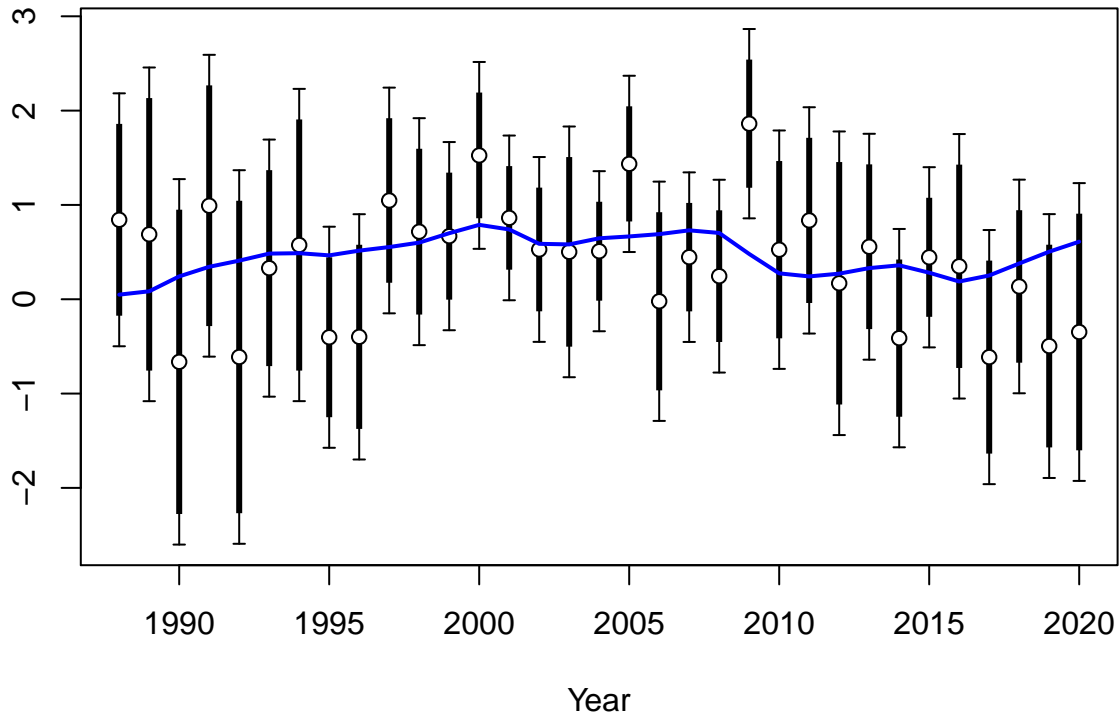


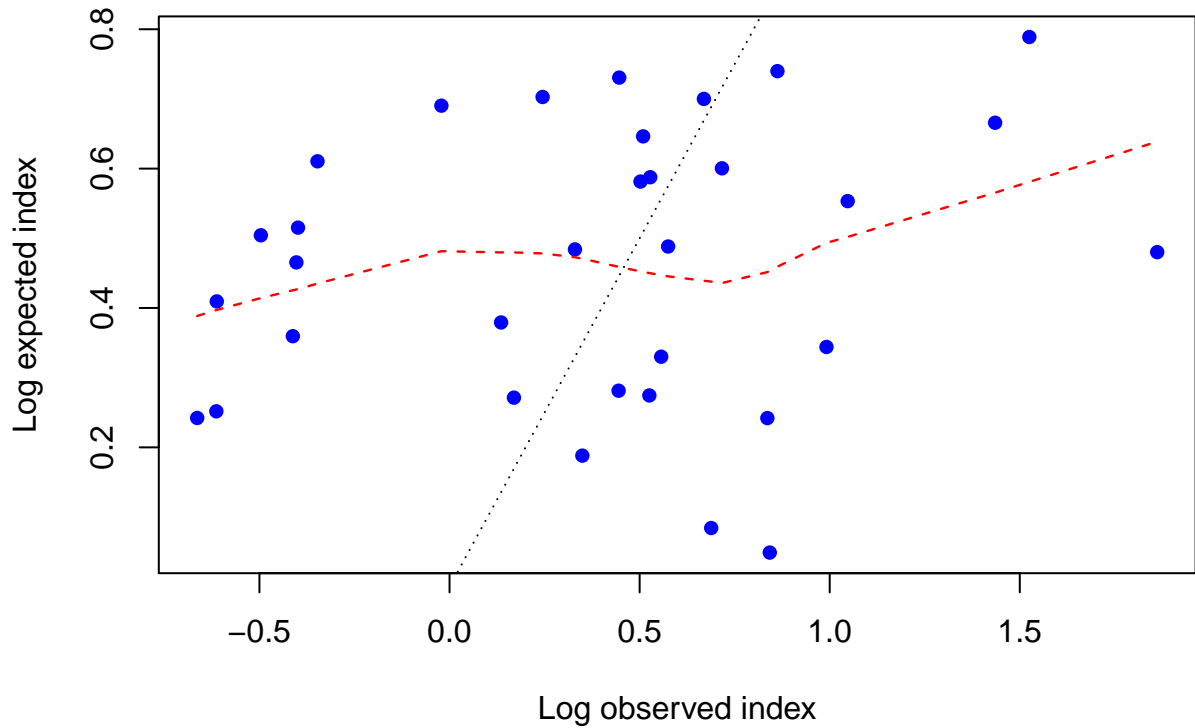


Log index

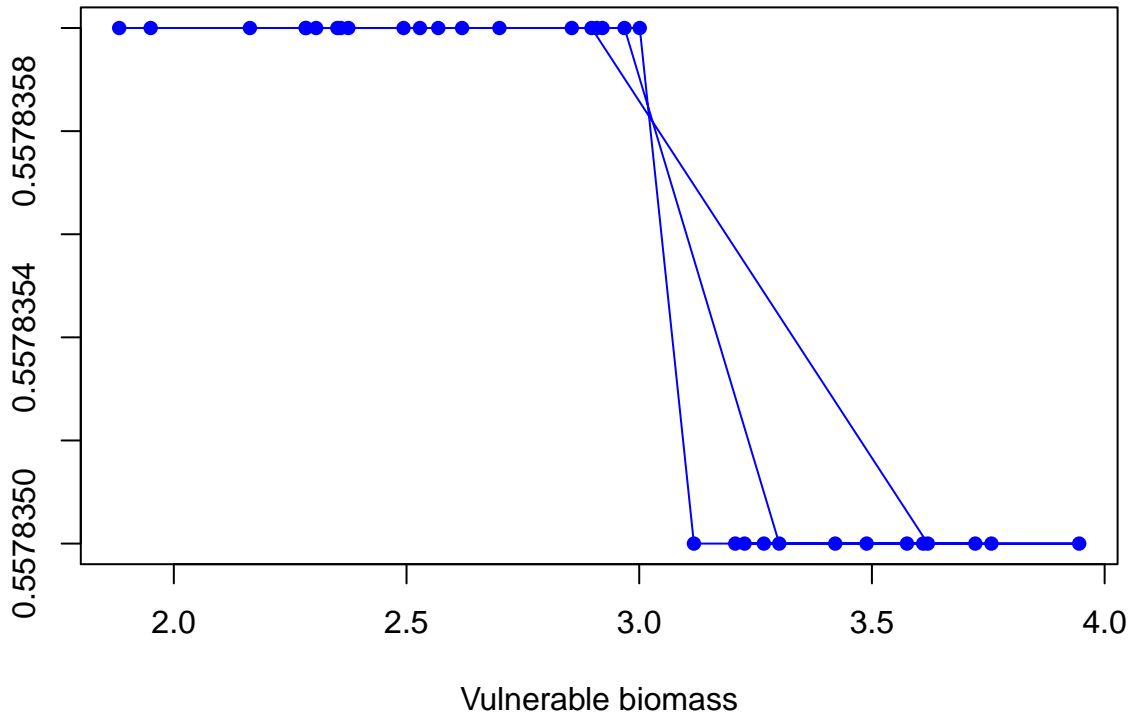


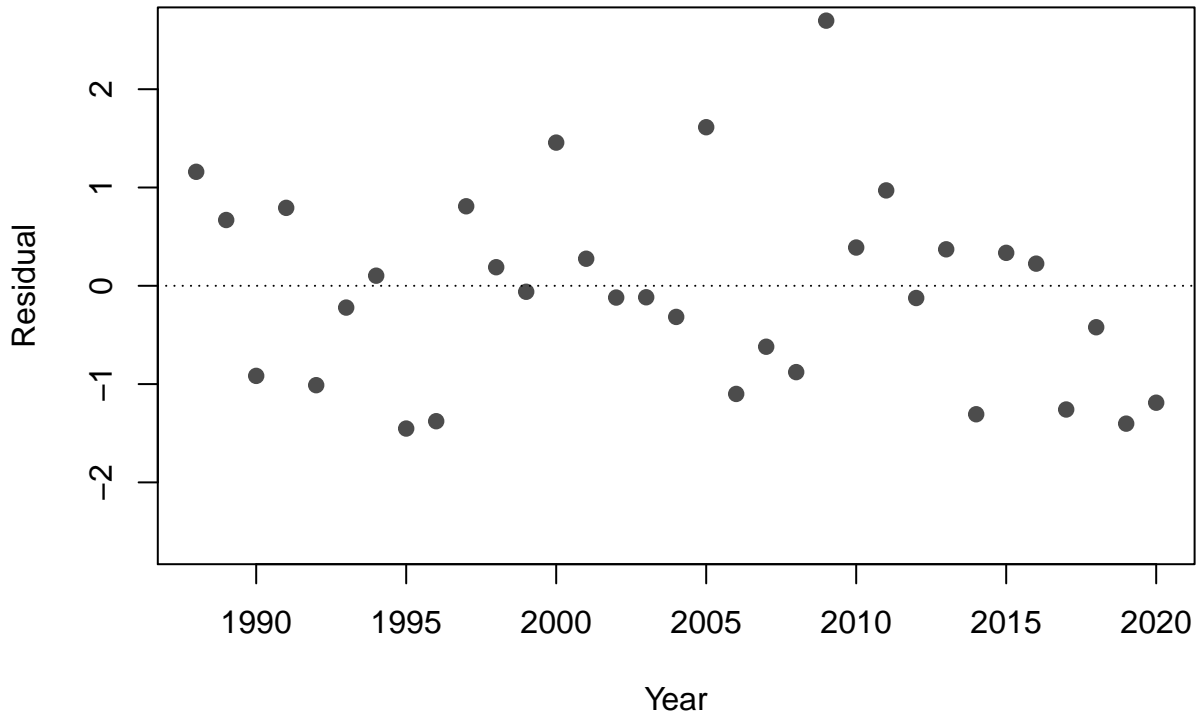
Log index

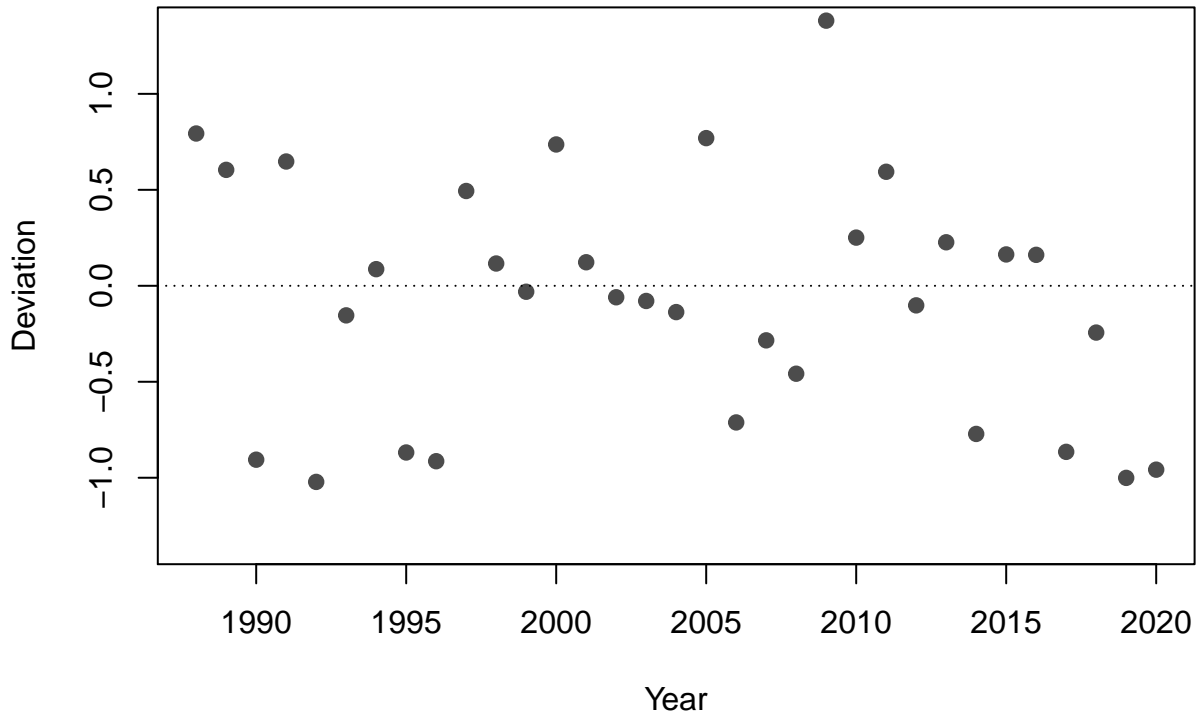


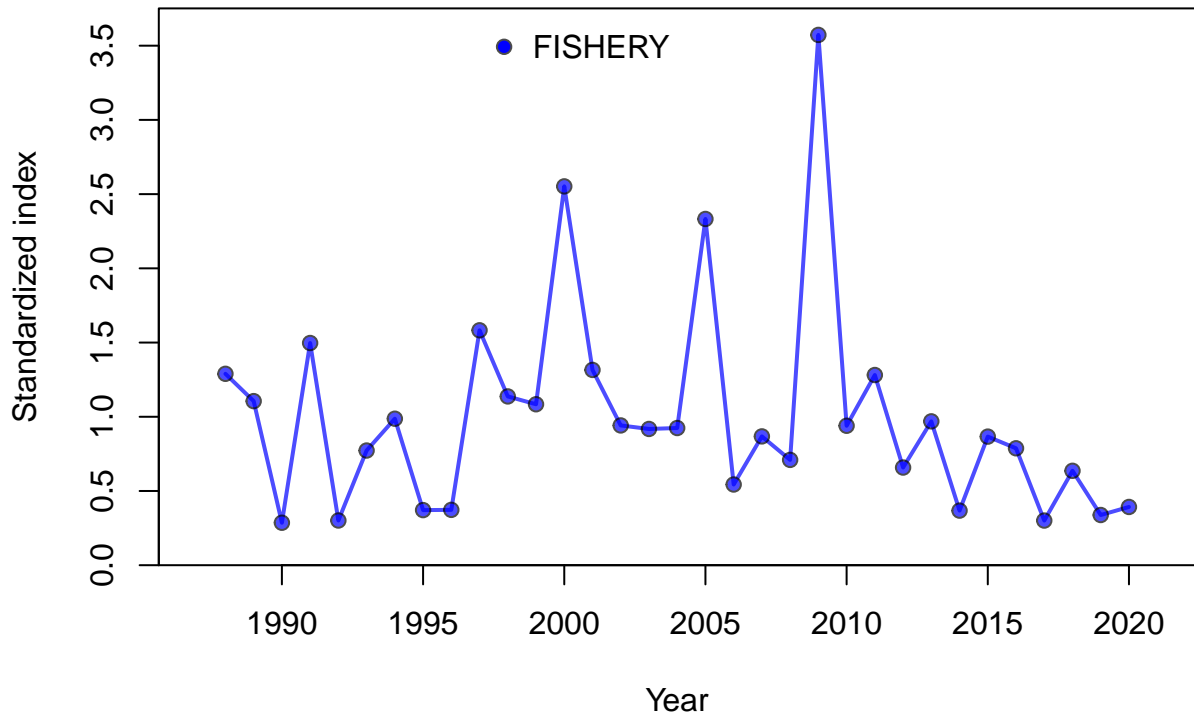


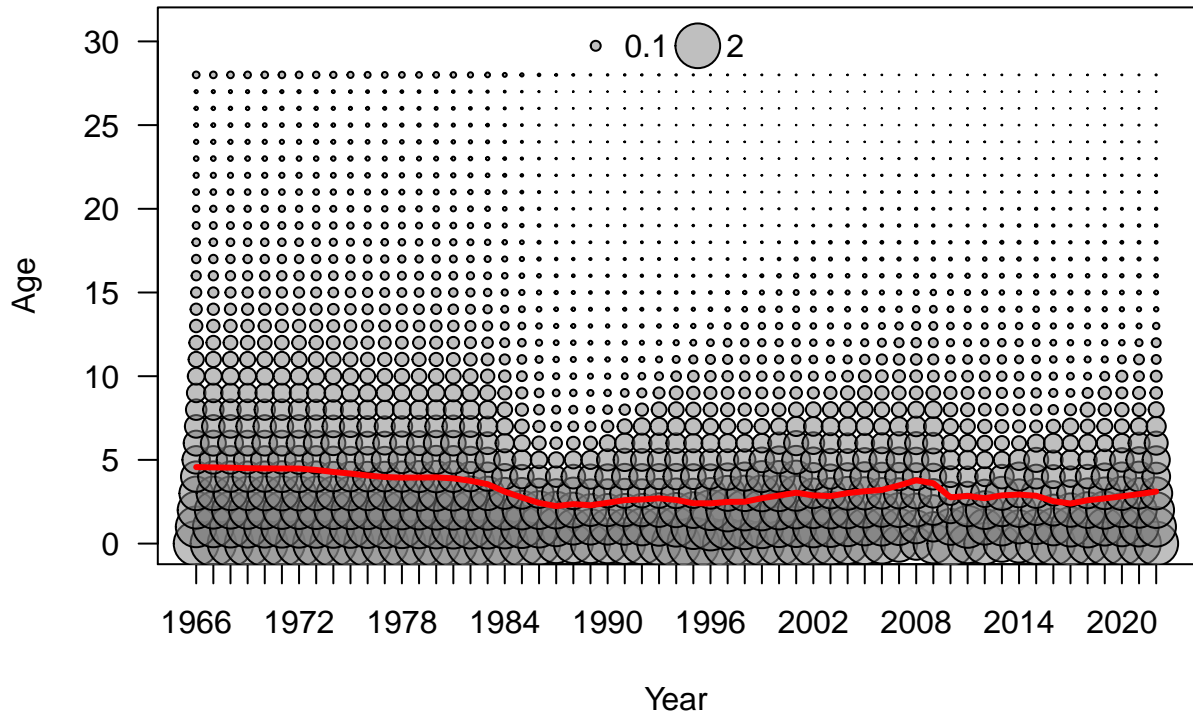
Effective catchability

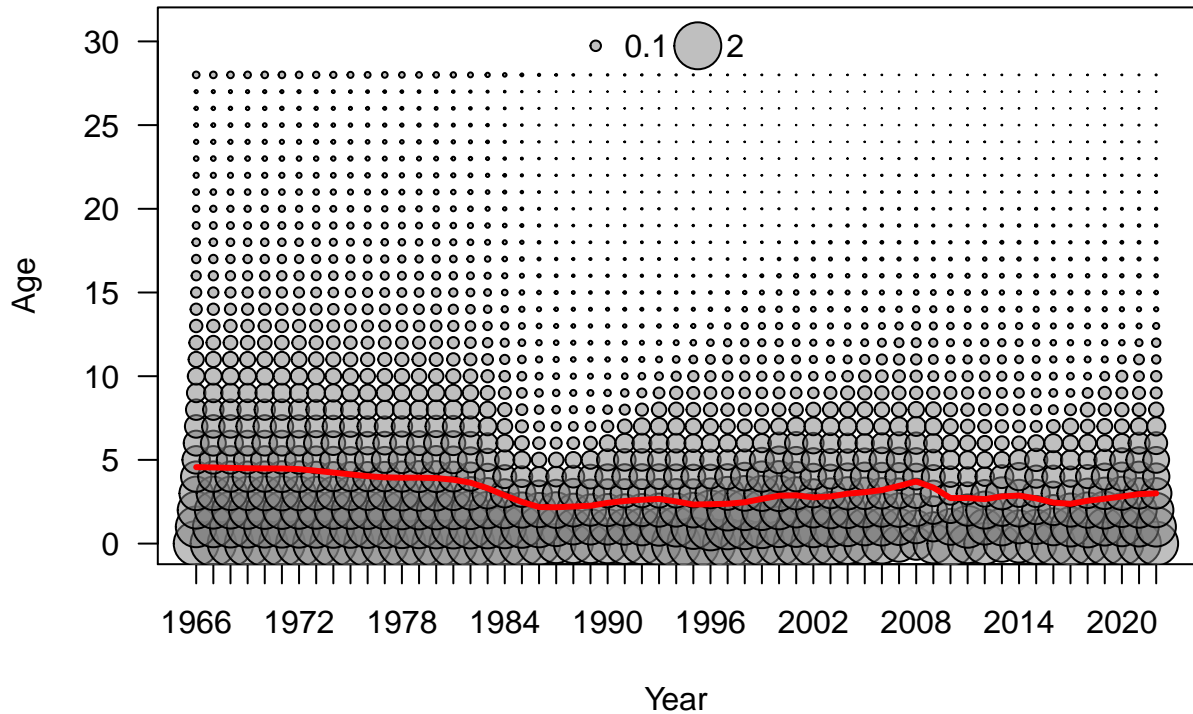


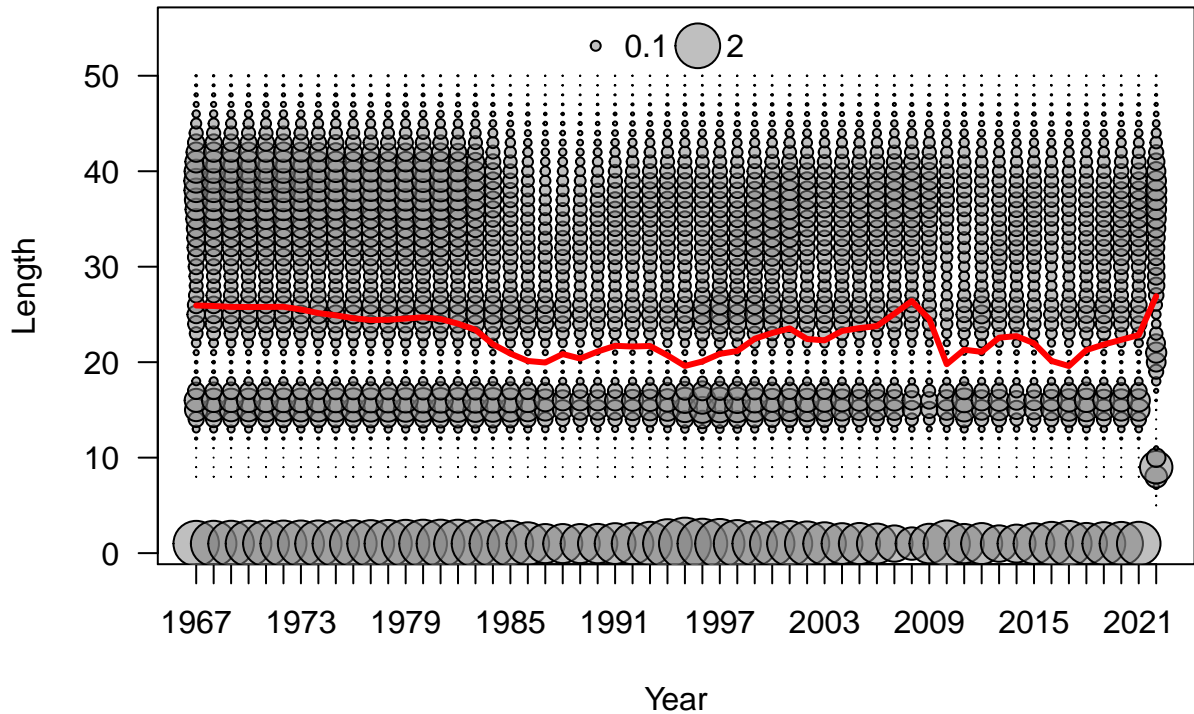


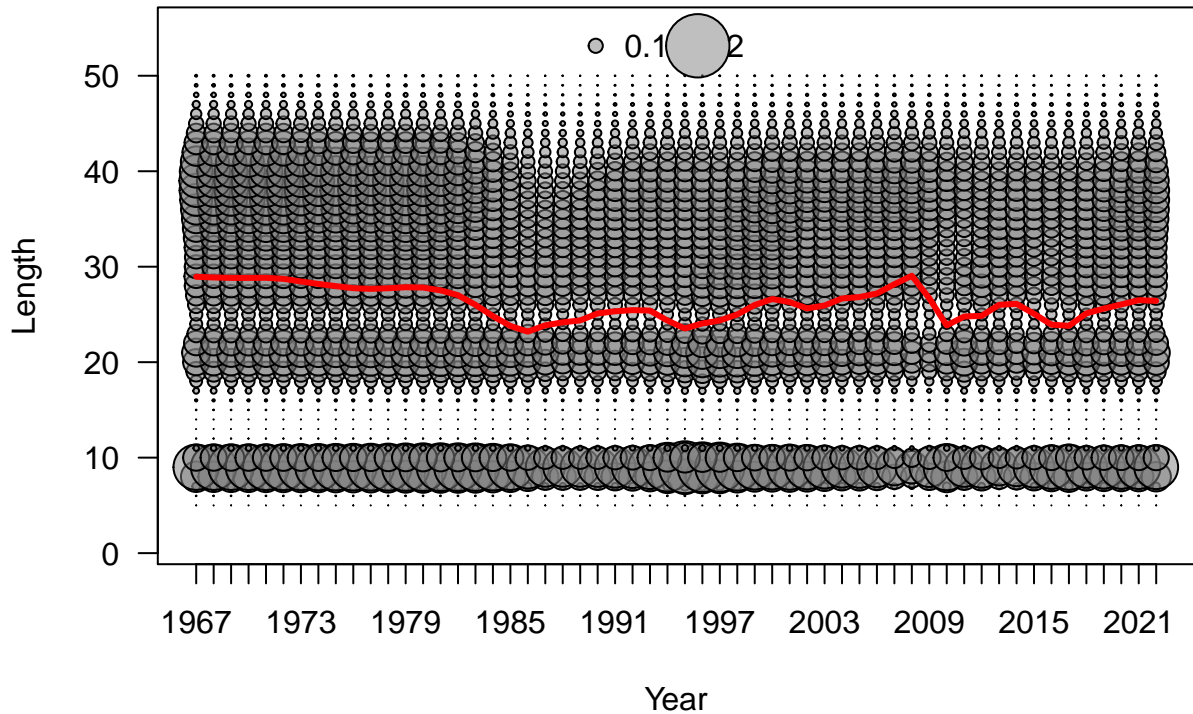


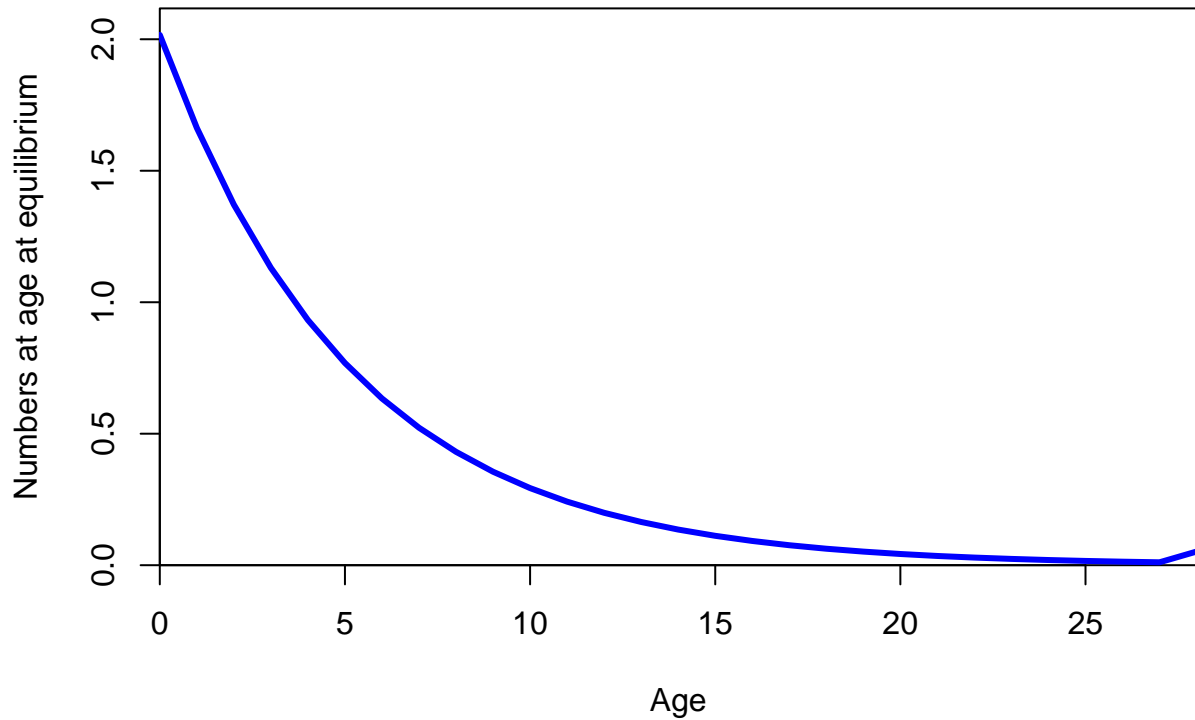






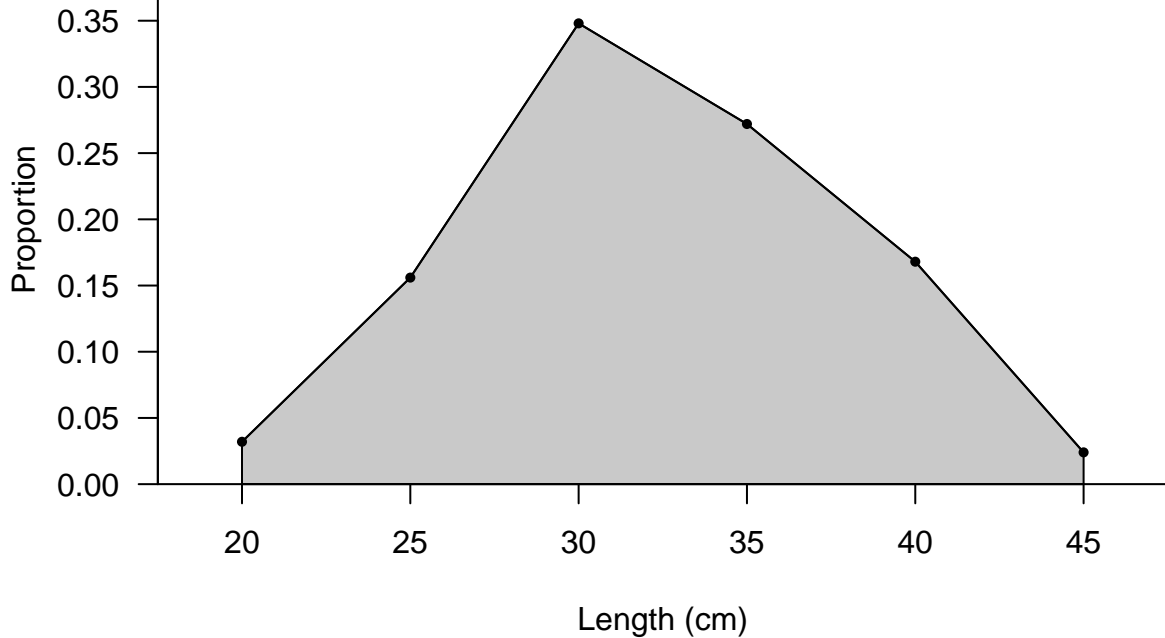


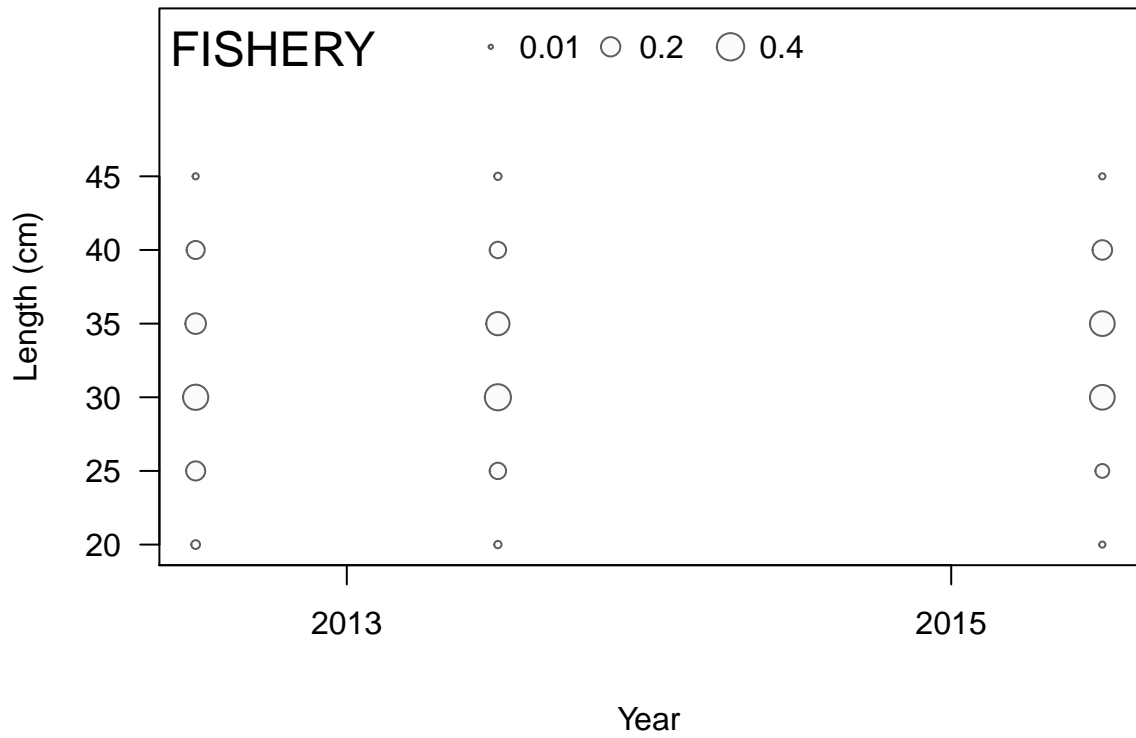


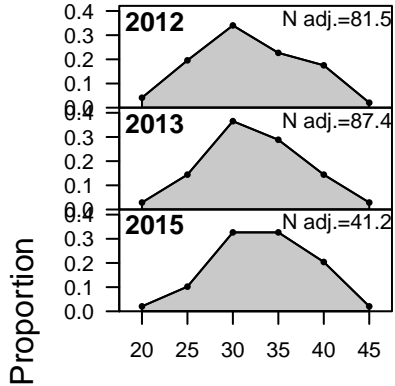


FISHERY

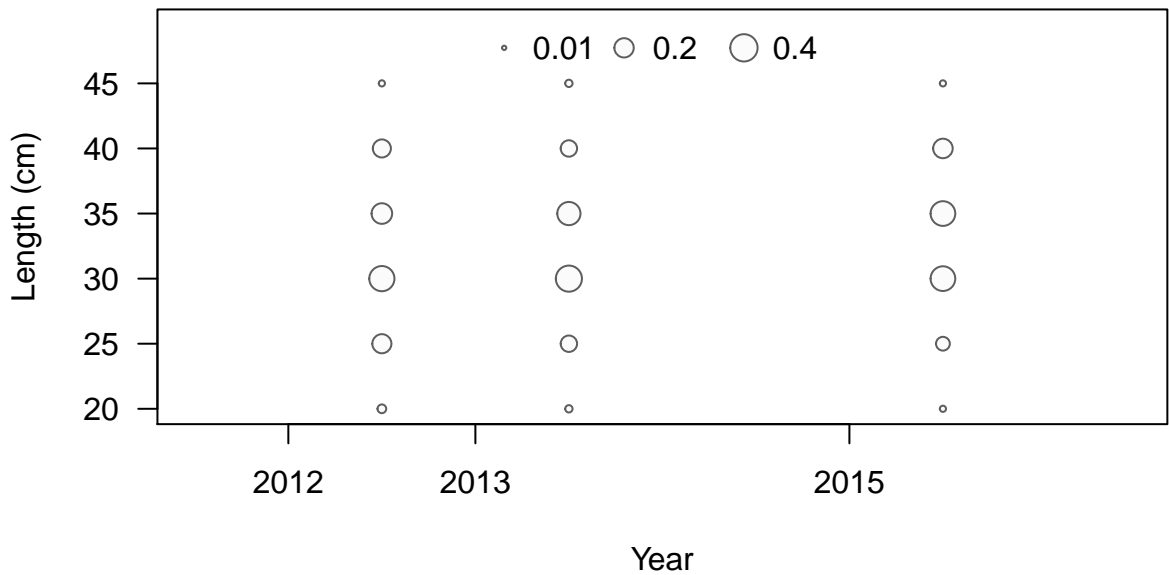
Sum of N adj.=210



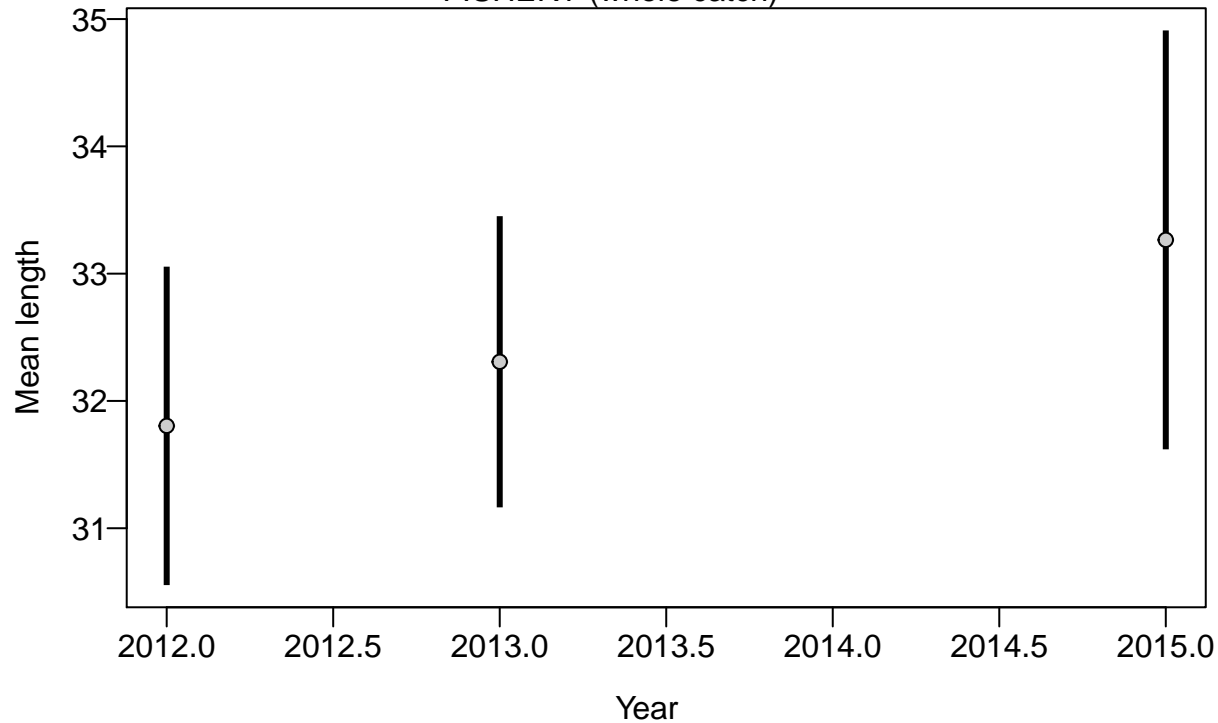




Length (cm)

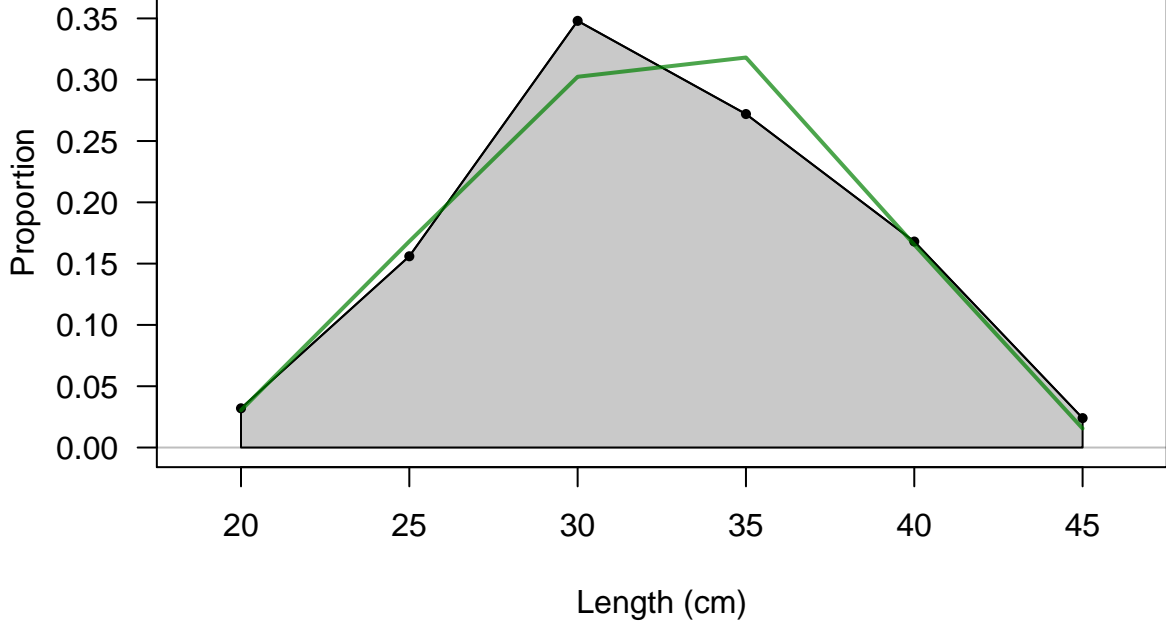


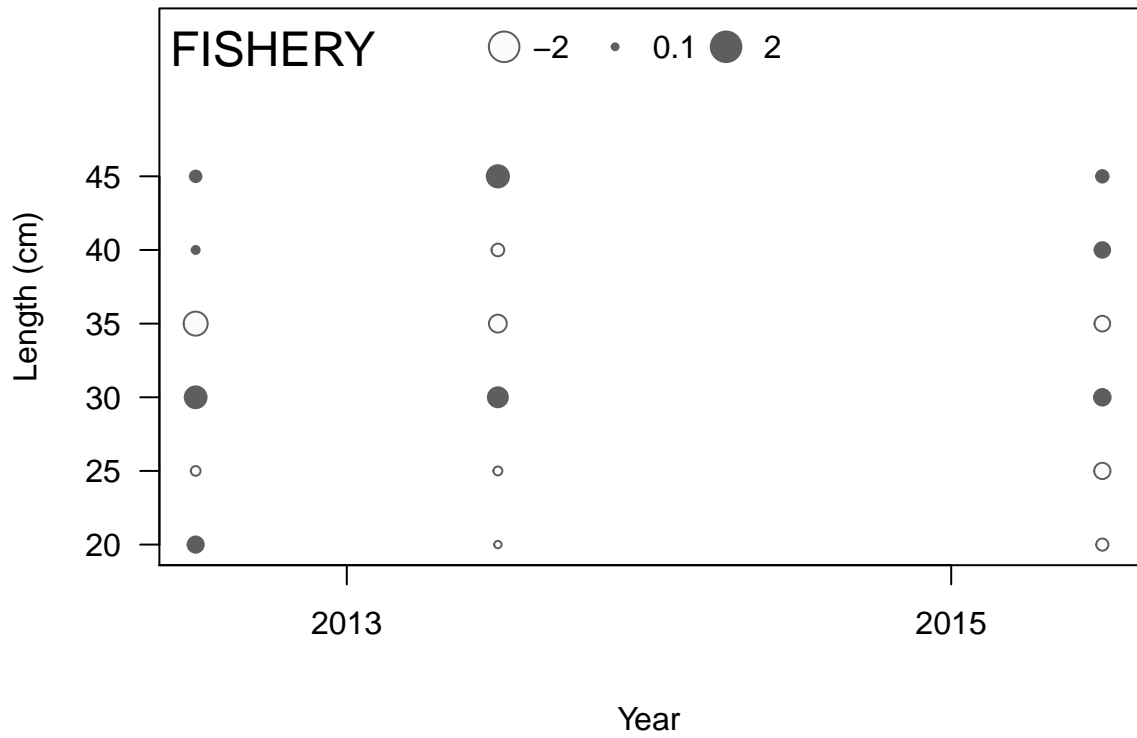
FISHERY (whole catch)



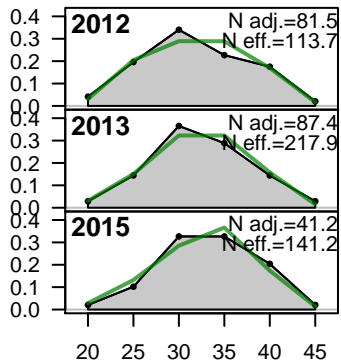
FISHERY

Sum of N adj.=210
Sum of N eff.=472.8

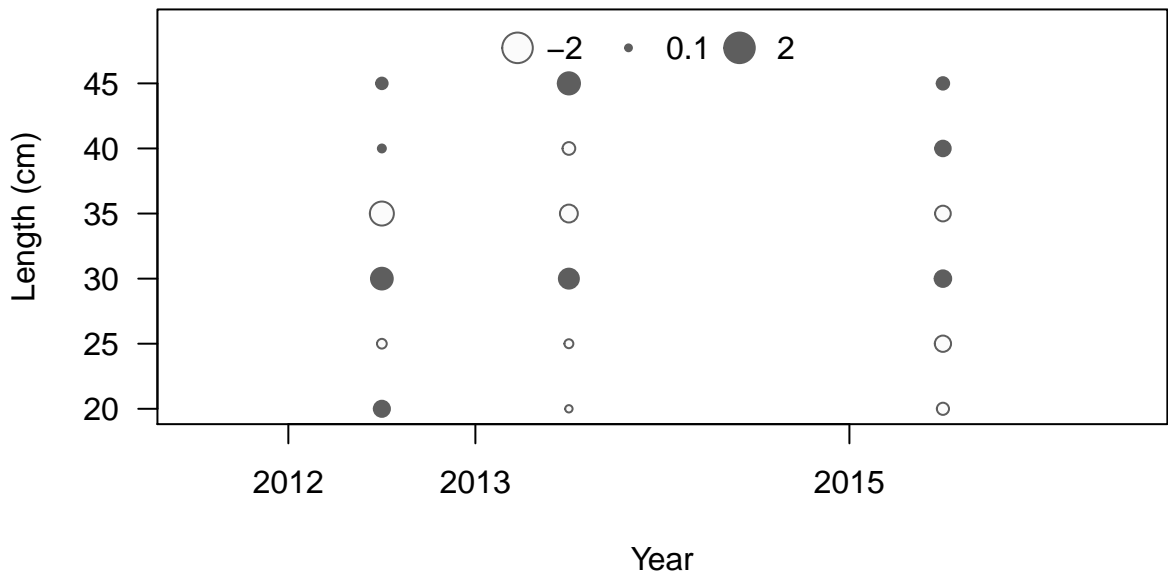


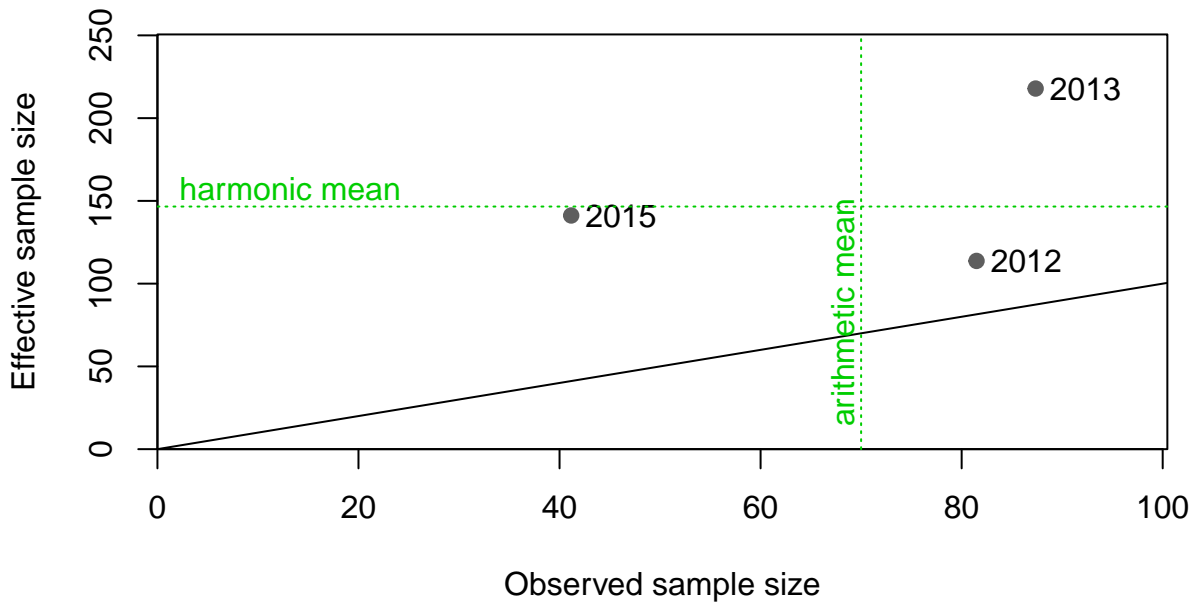


Proportion

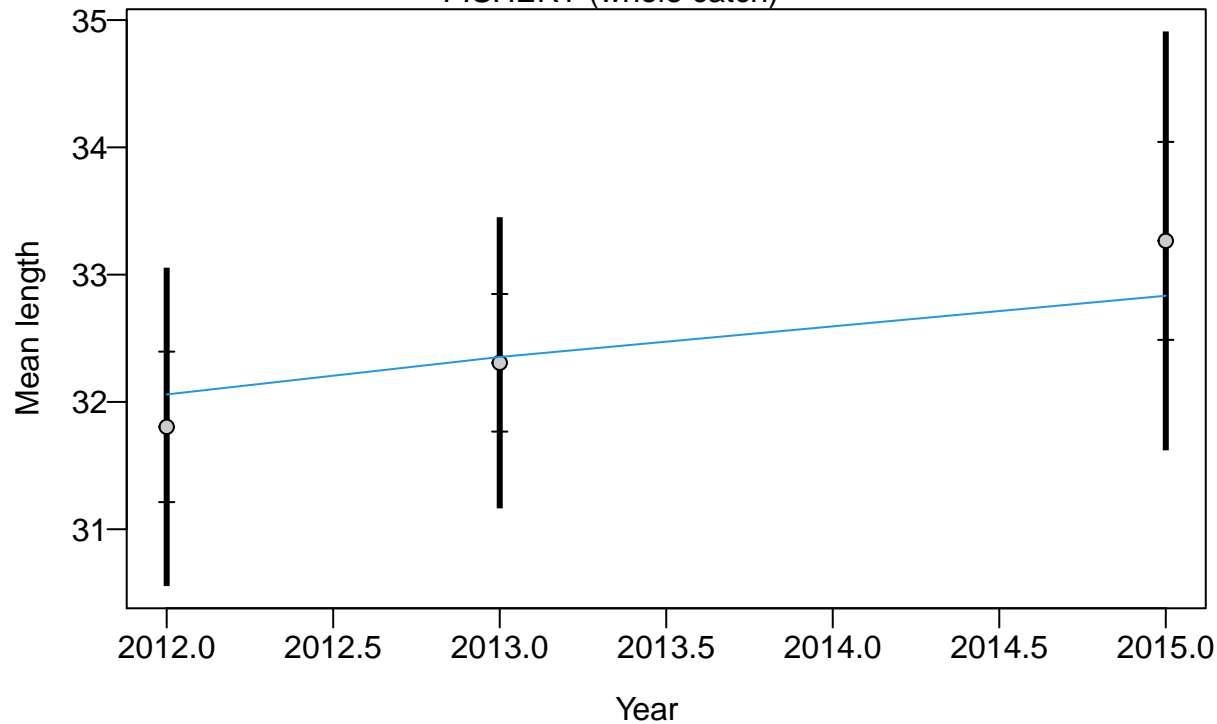


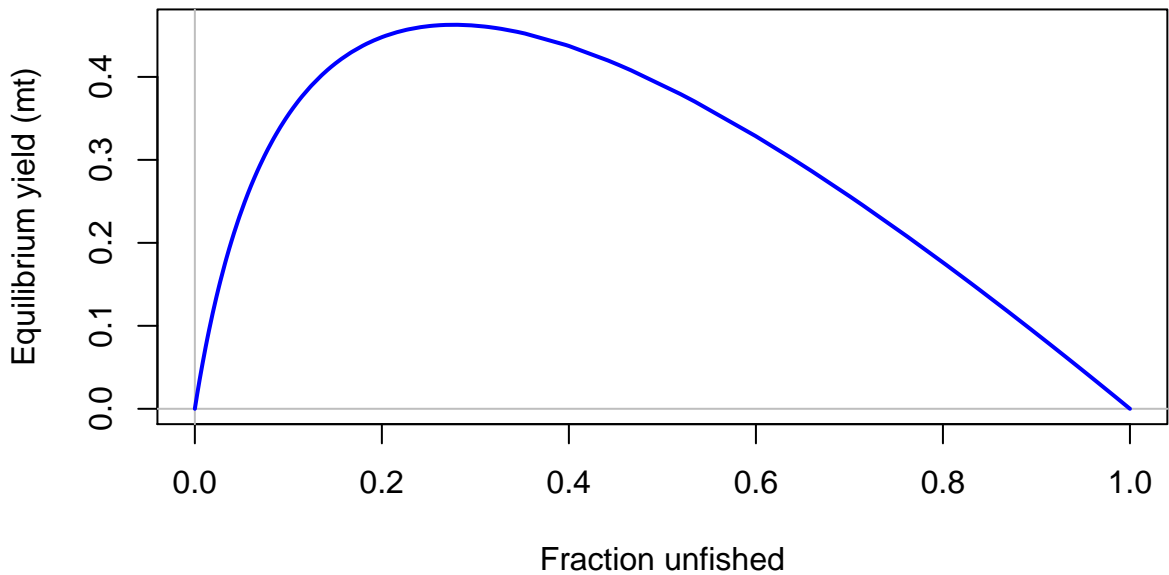
Length (cm)

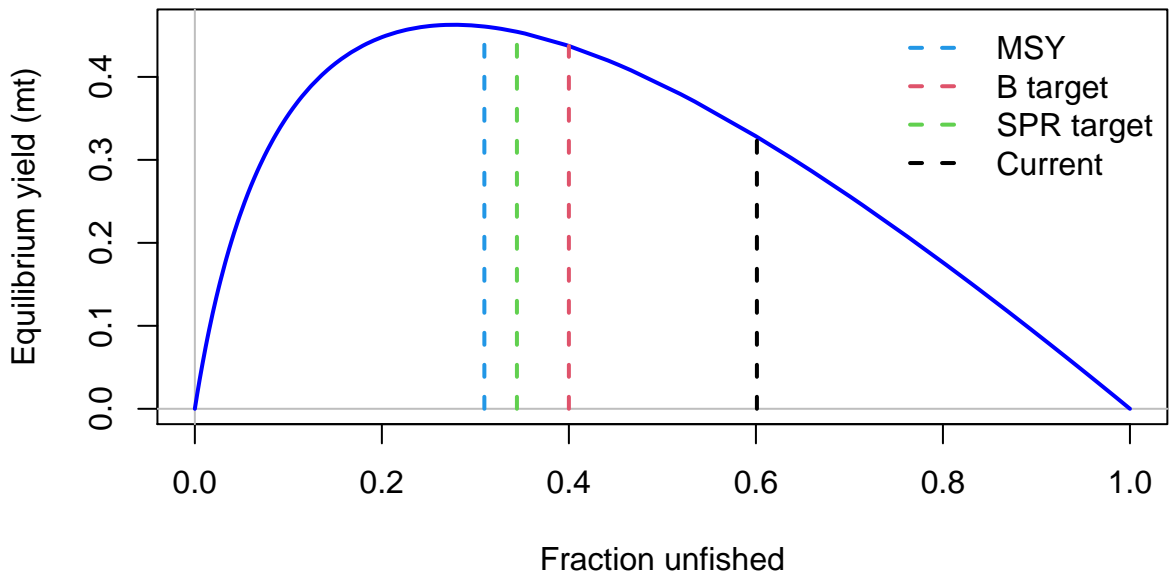


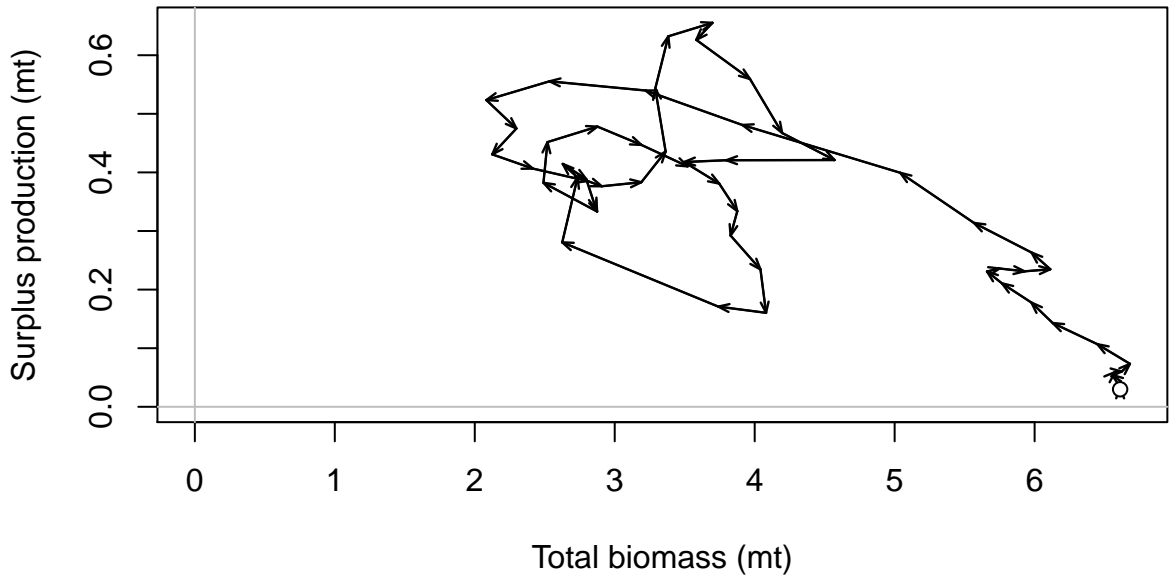


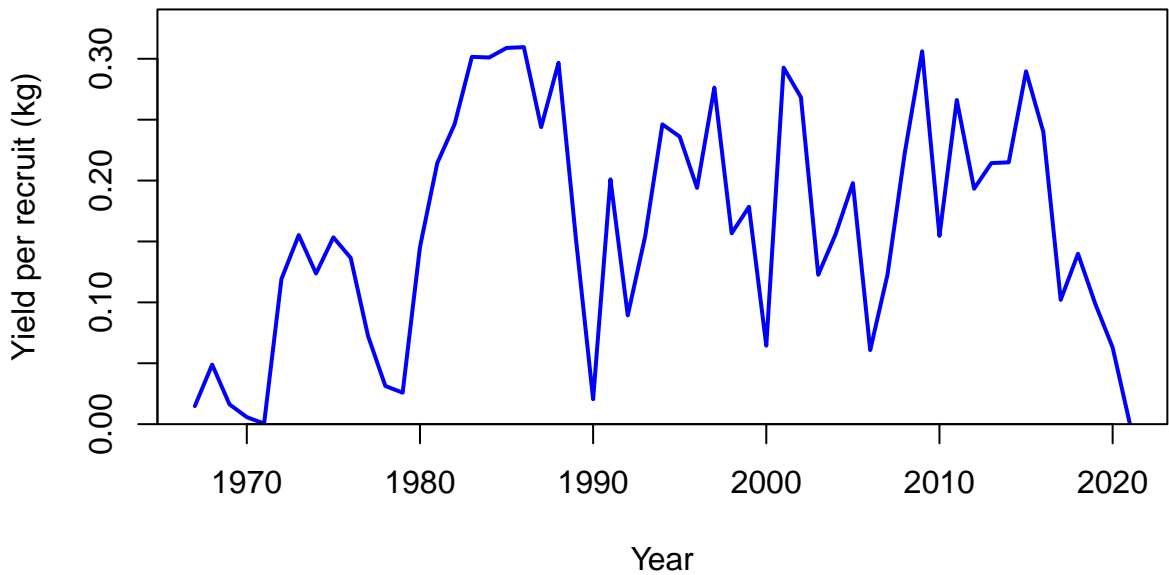
FISHERY (whole catch)

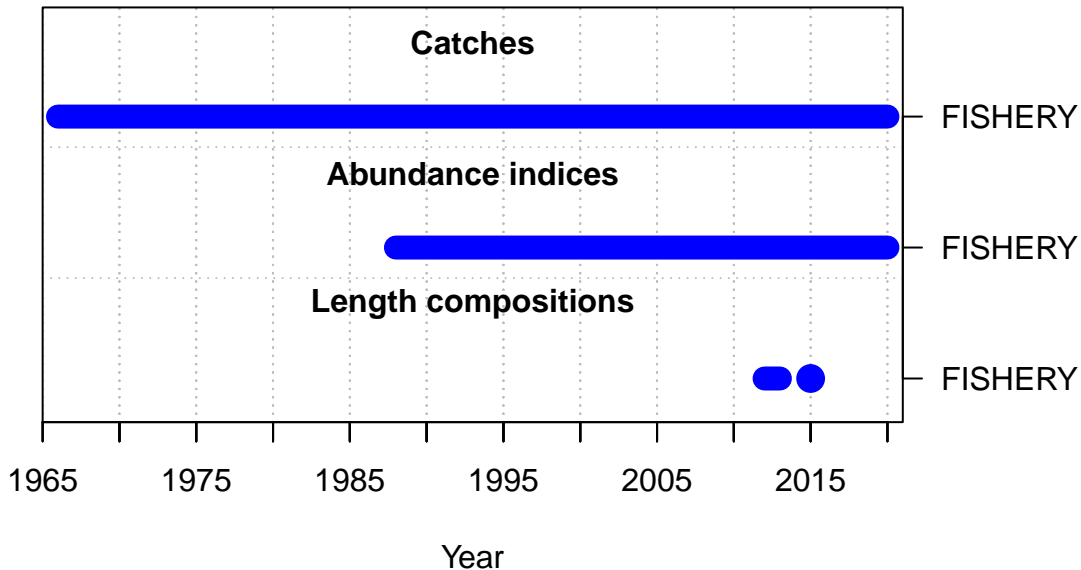


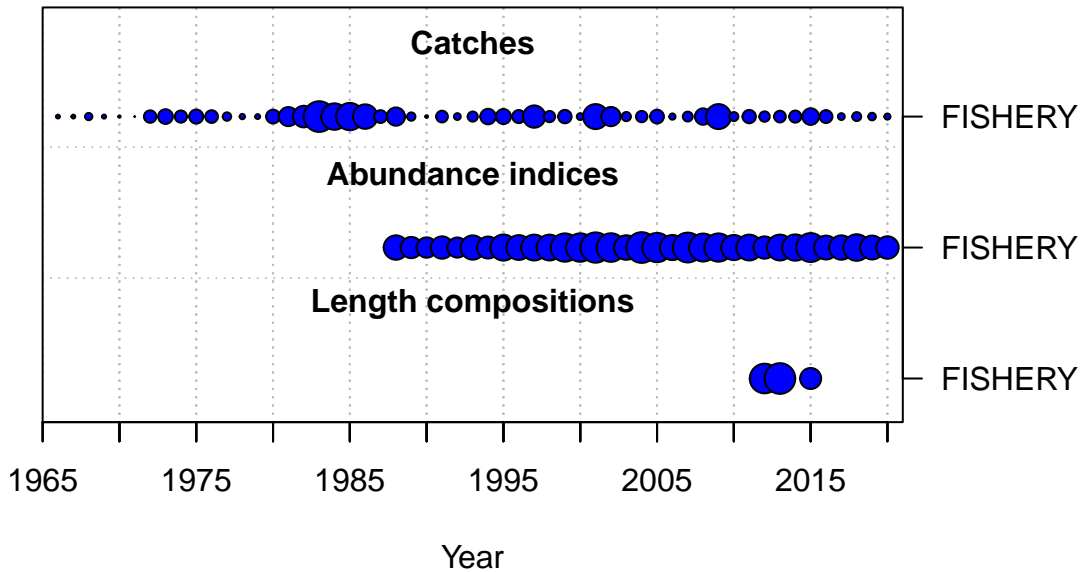








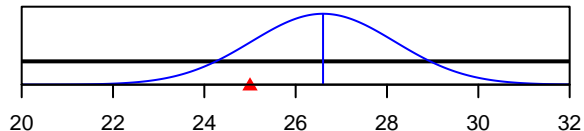




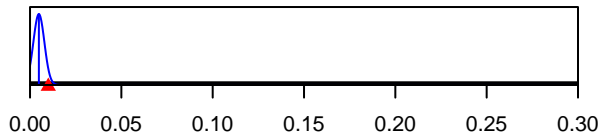
SR_LN(R0)



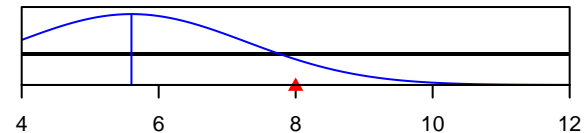
Size_inflection_FISHERY(1)



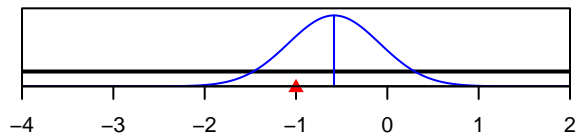
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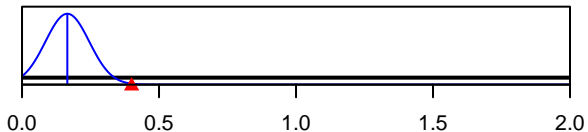
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



Q_extraSD_FISHERY(1)



Parameter value