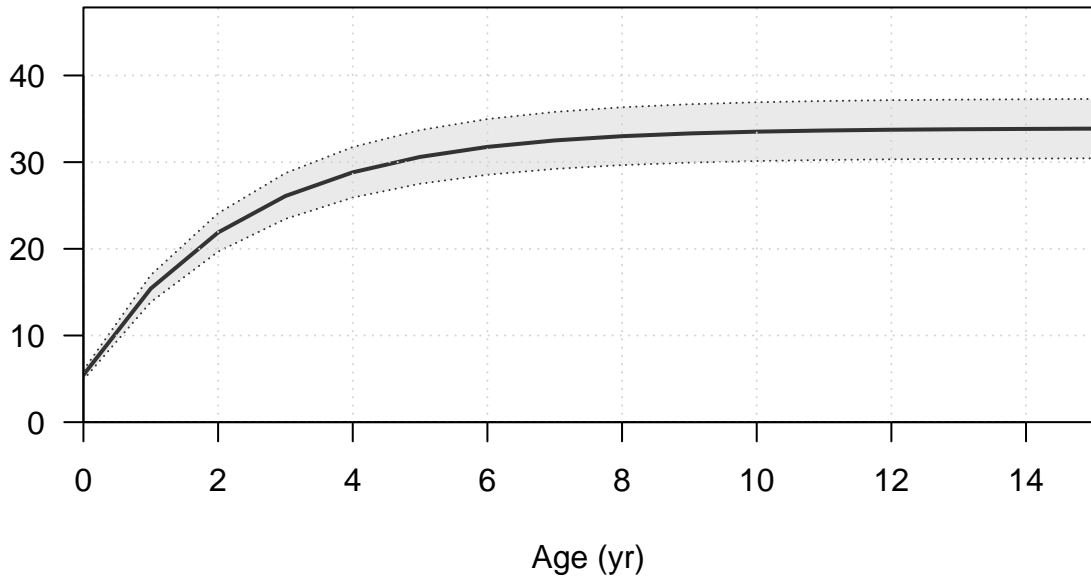
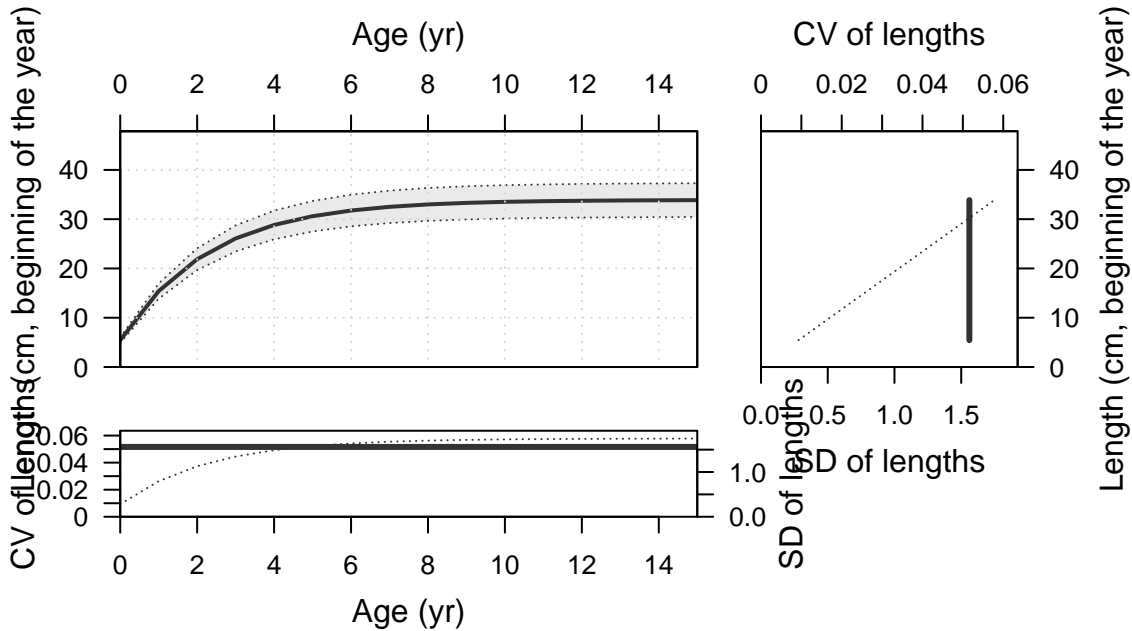
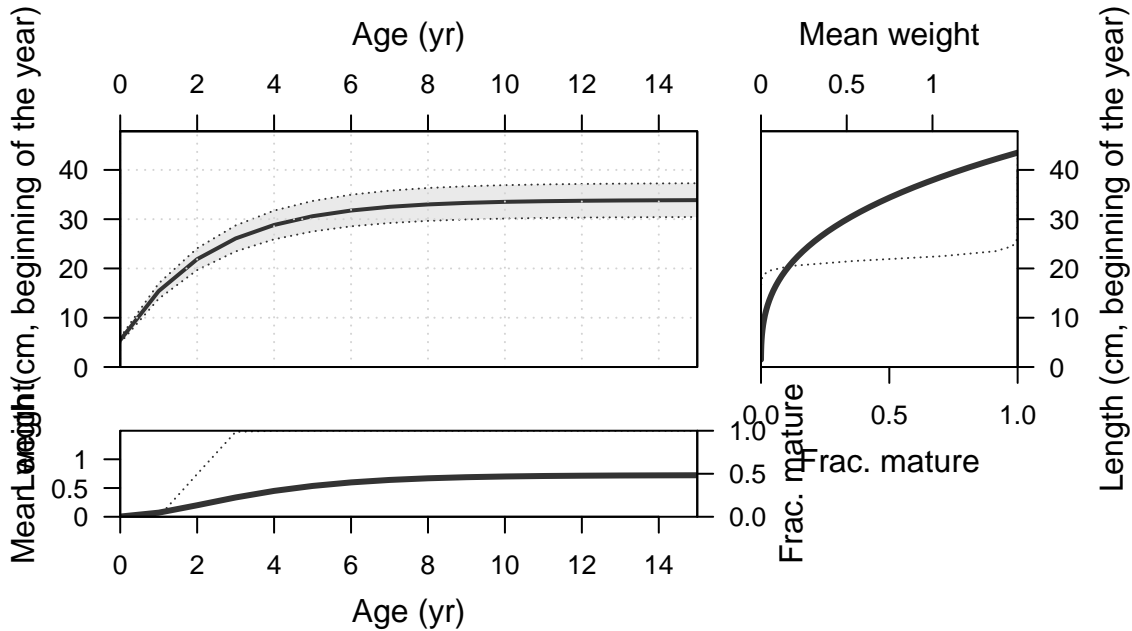


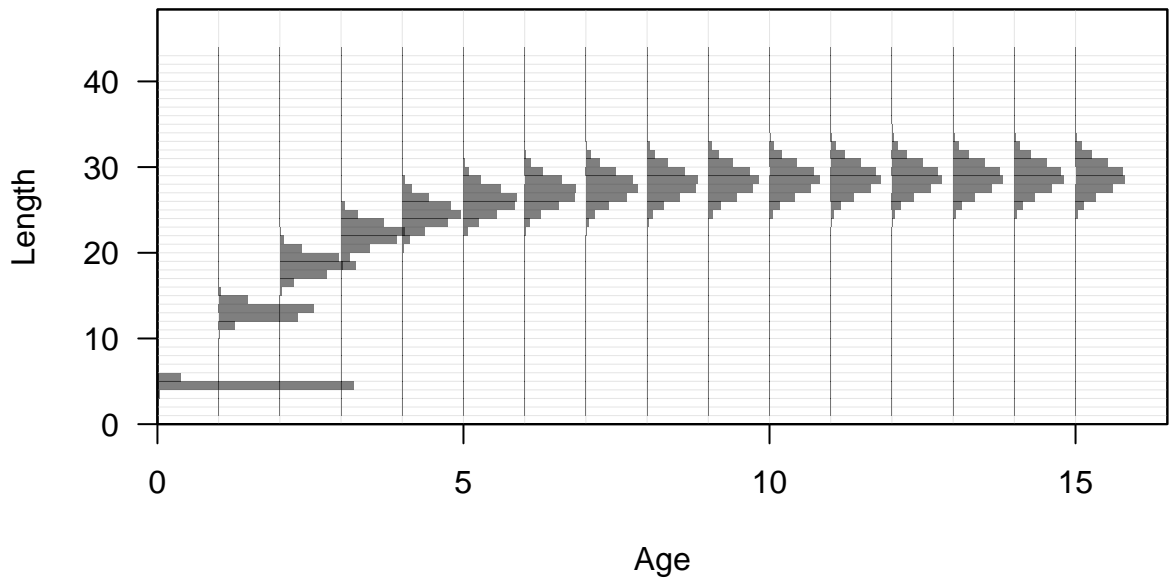
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Thu Aug 11 09:21:54 2022
Data_File: data.ss
Control_File: control.ss

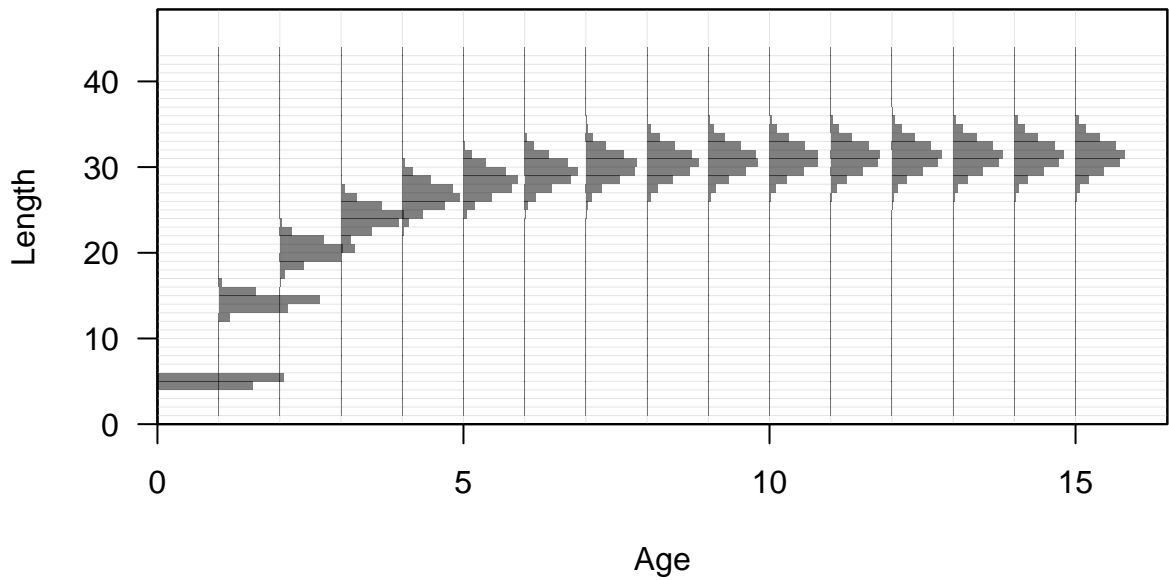
Length (cm, beginning of the year)

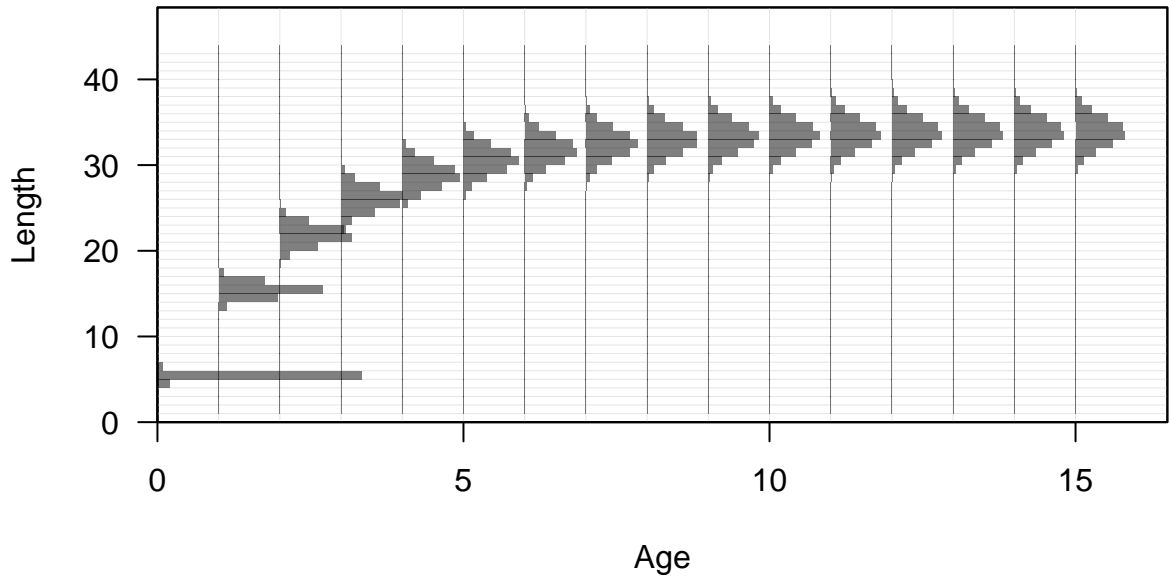


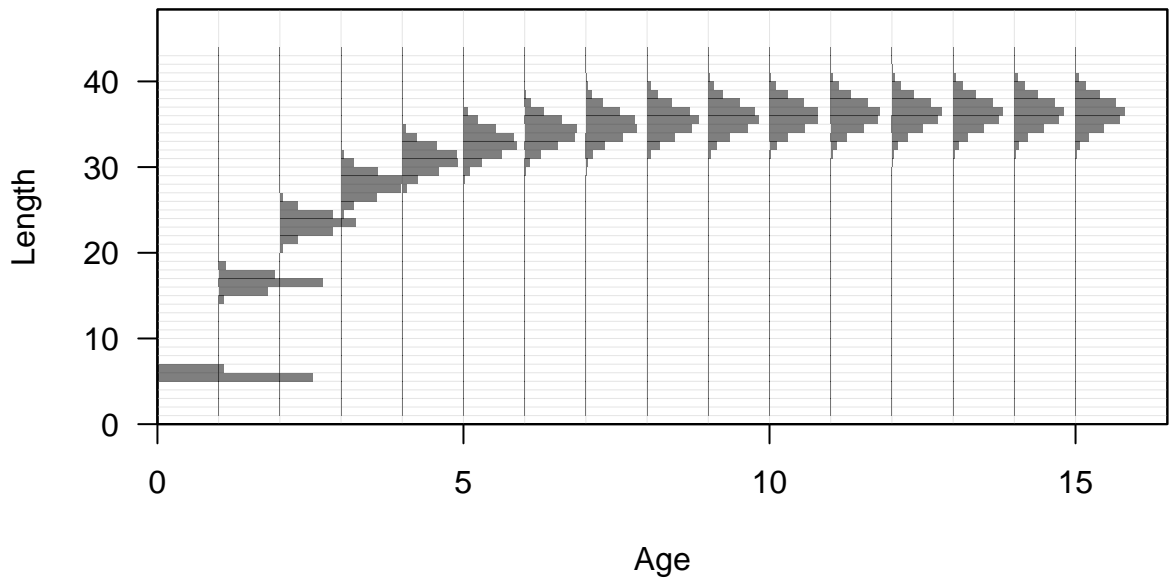


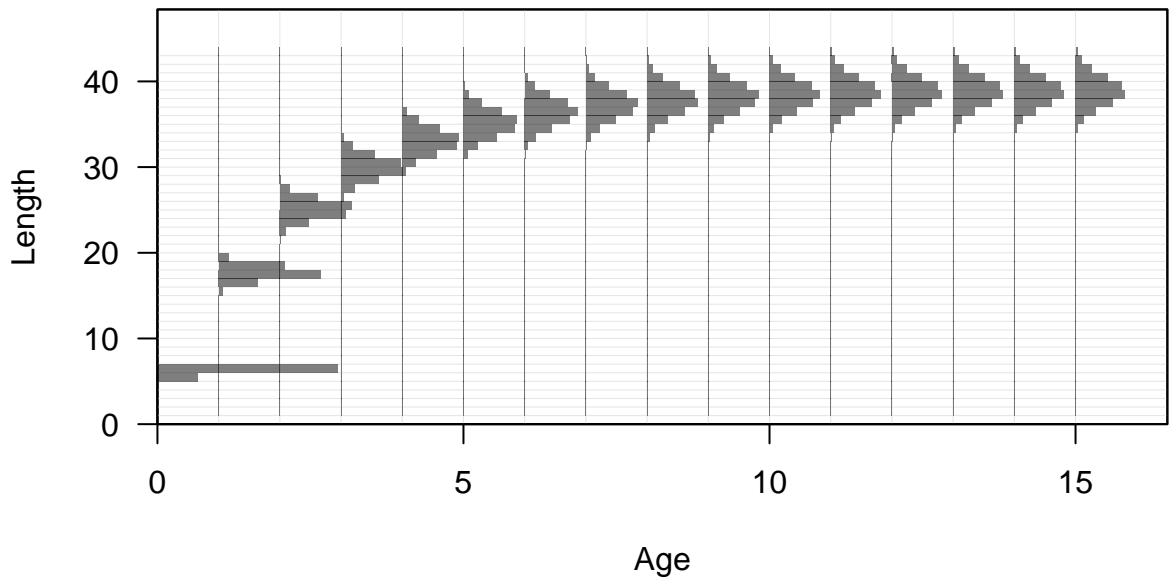


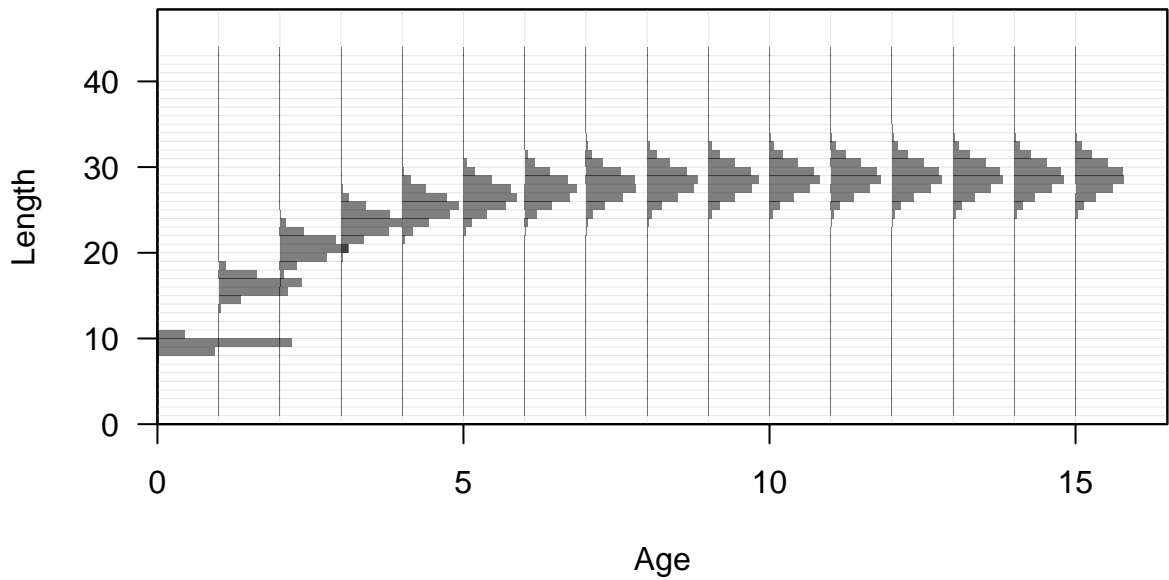


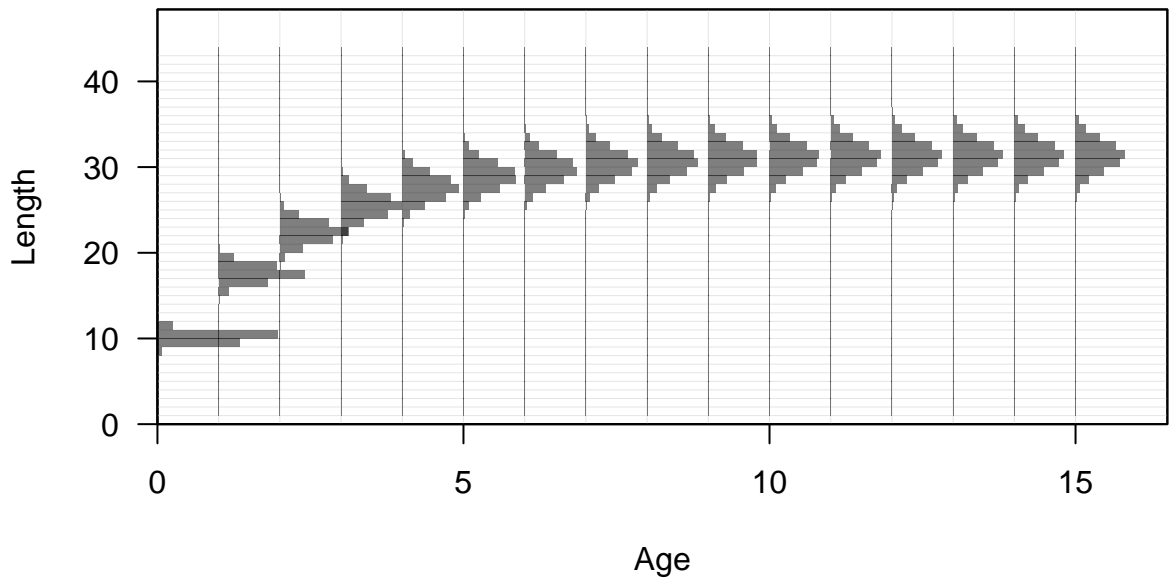


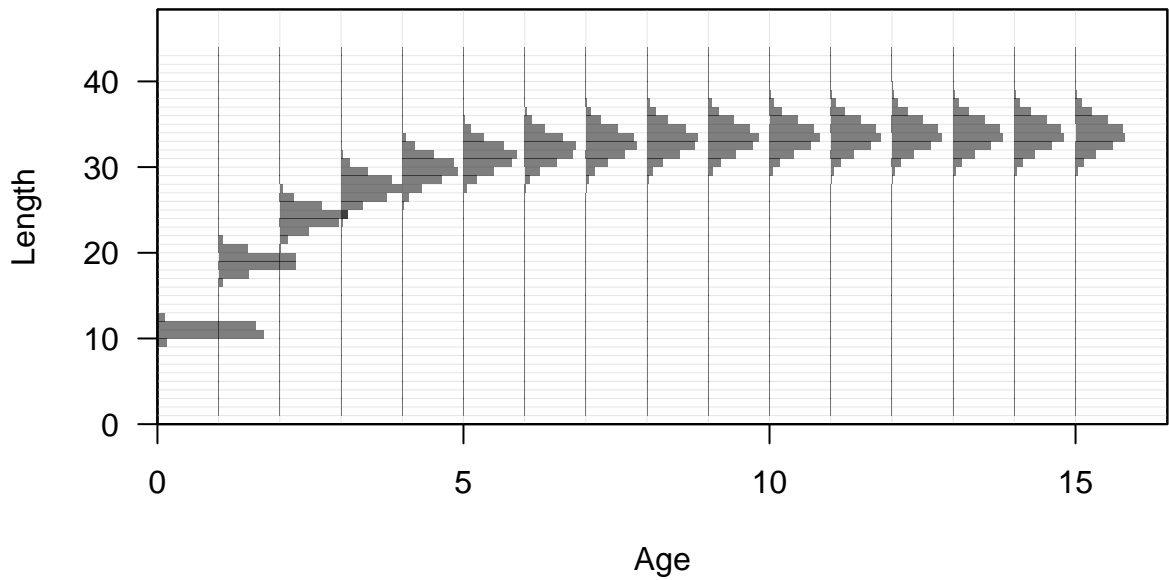


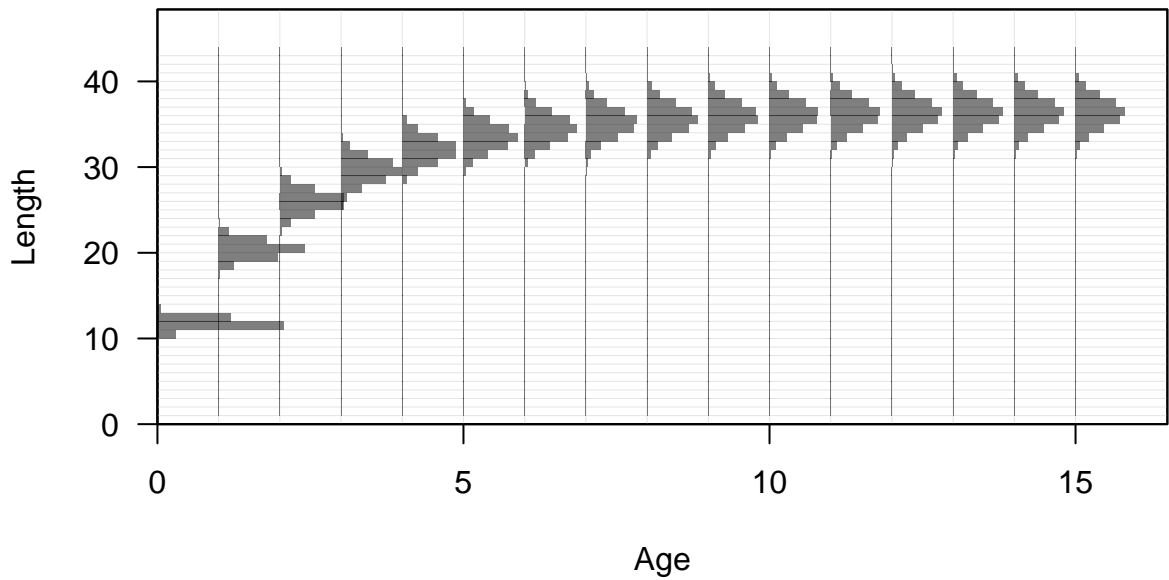


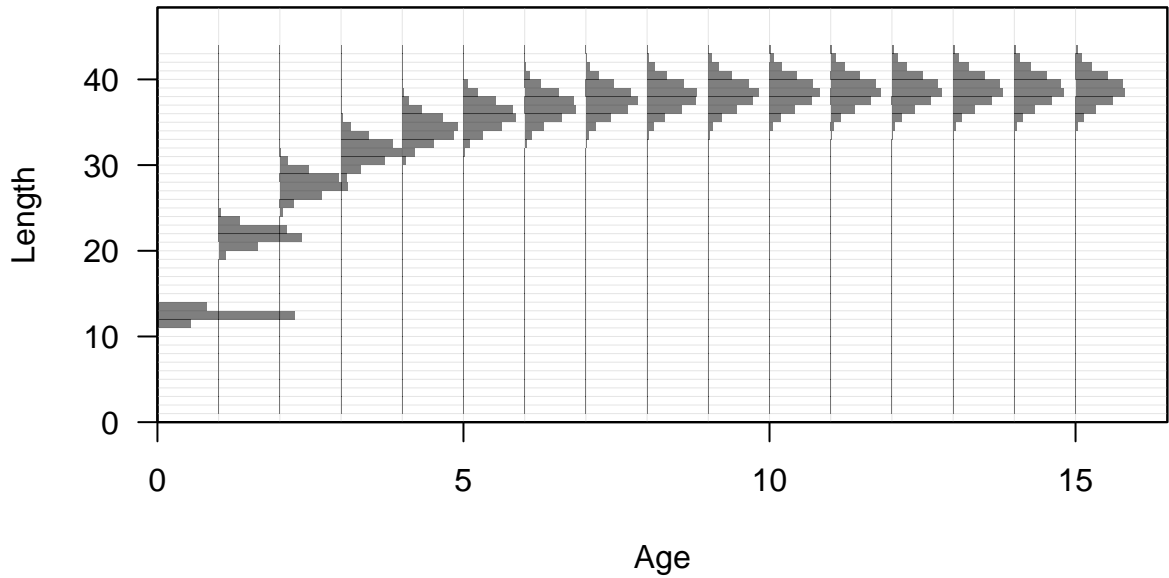






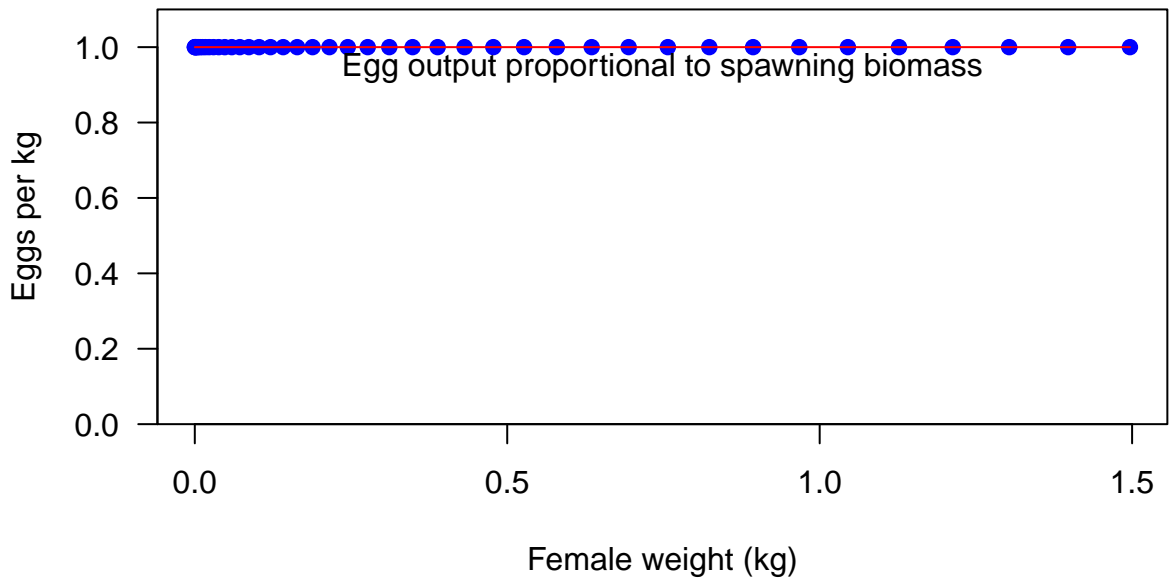






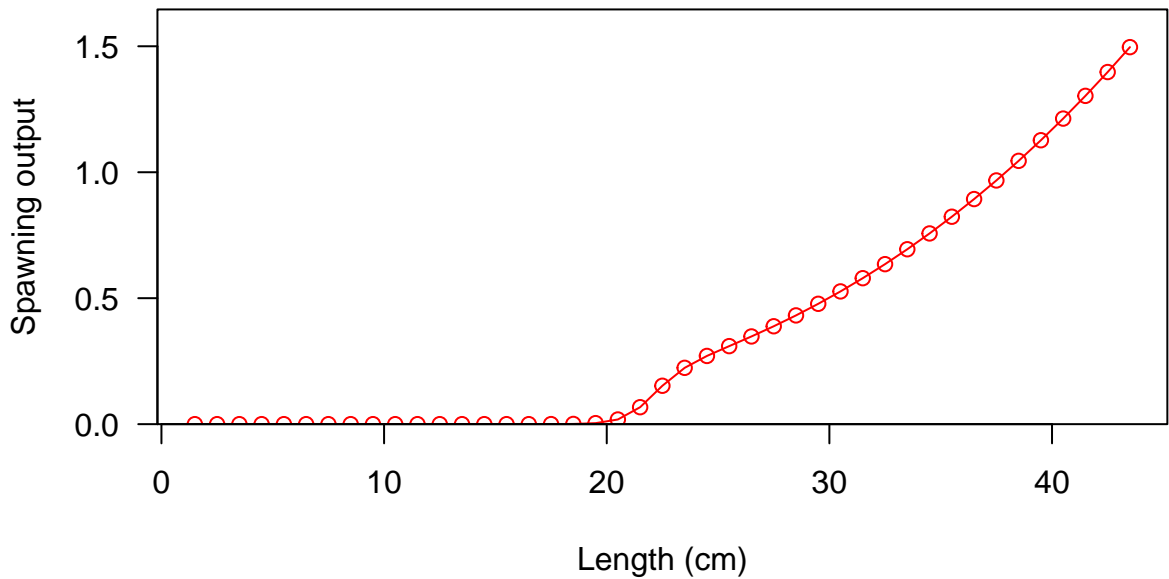


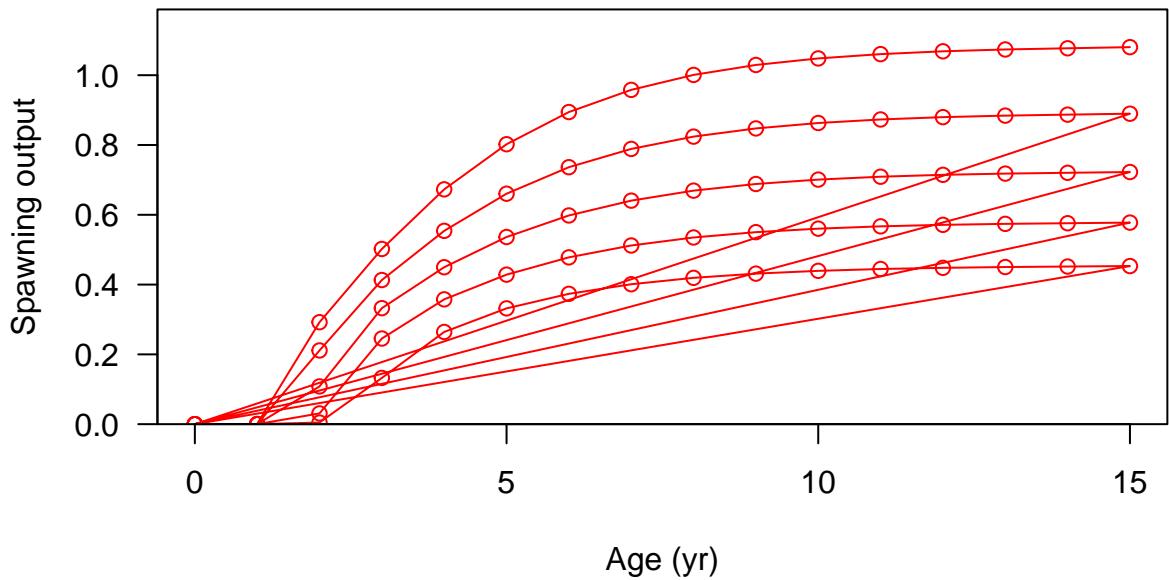








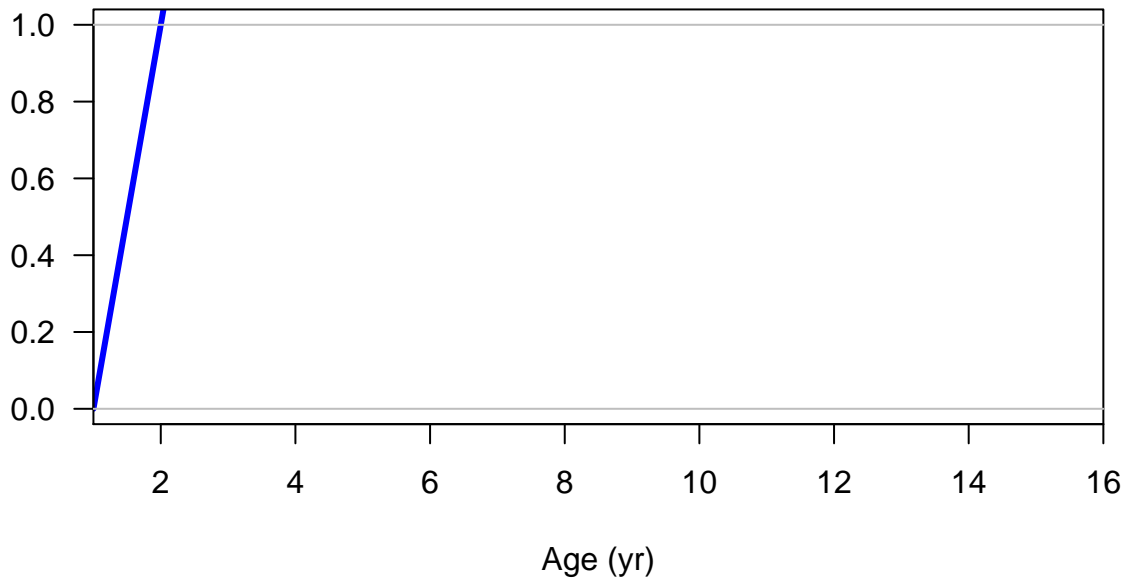




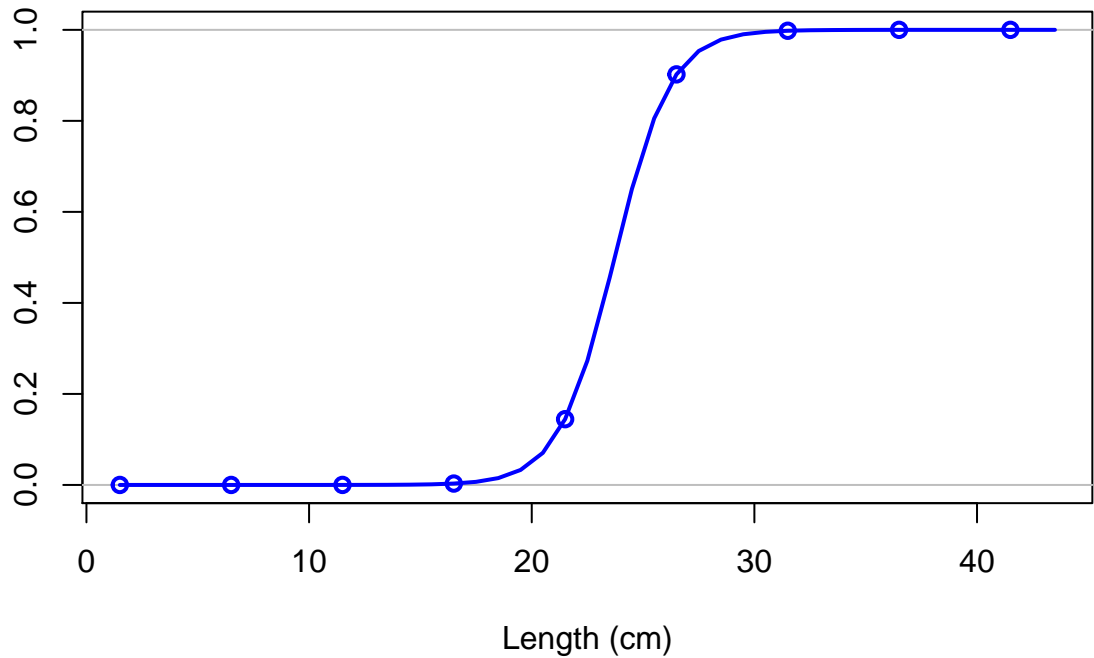
Hermaphroditism transition rate



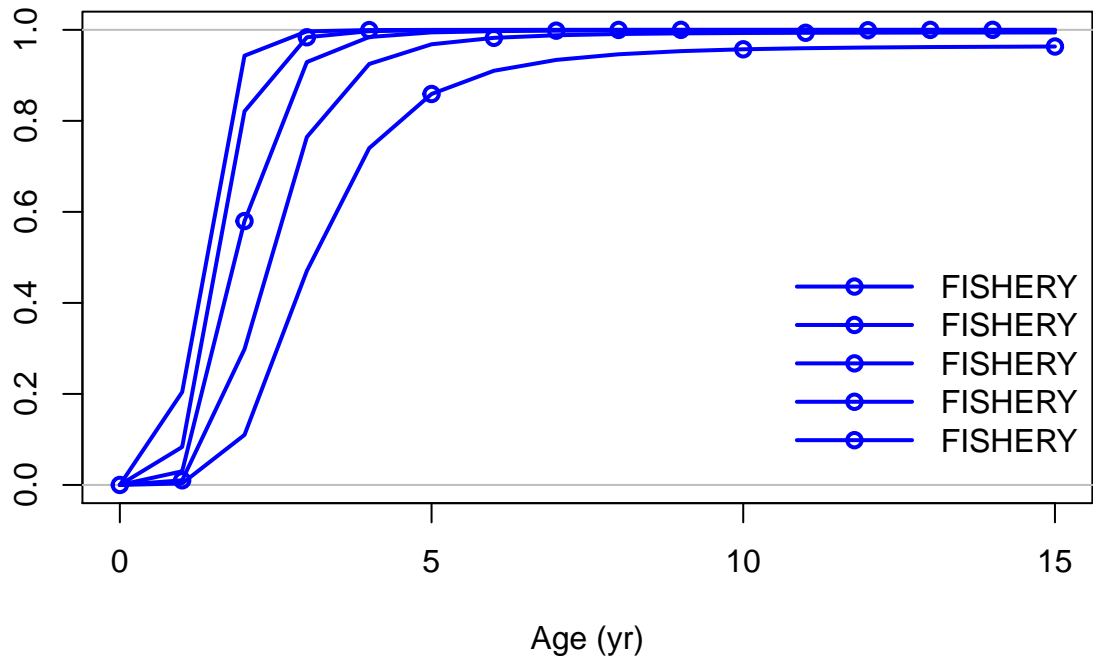
Fraction females by age at equilibrium



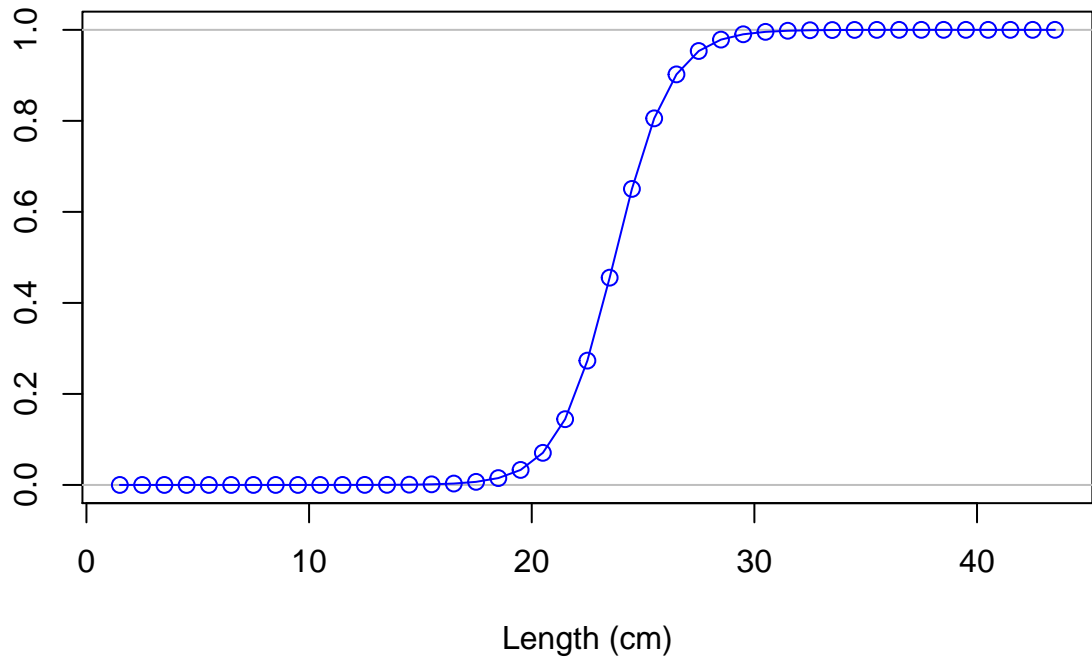
Selectivity

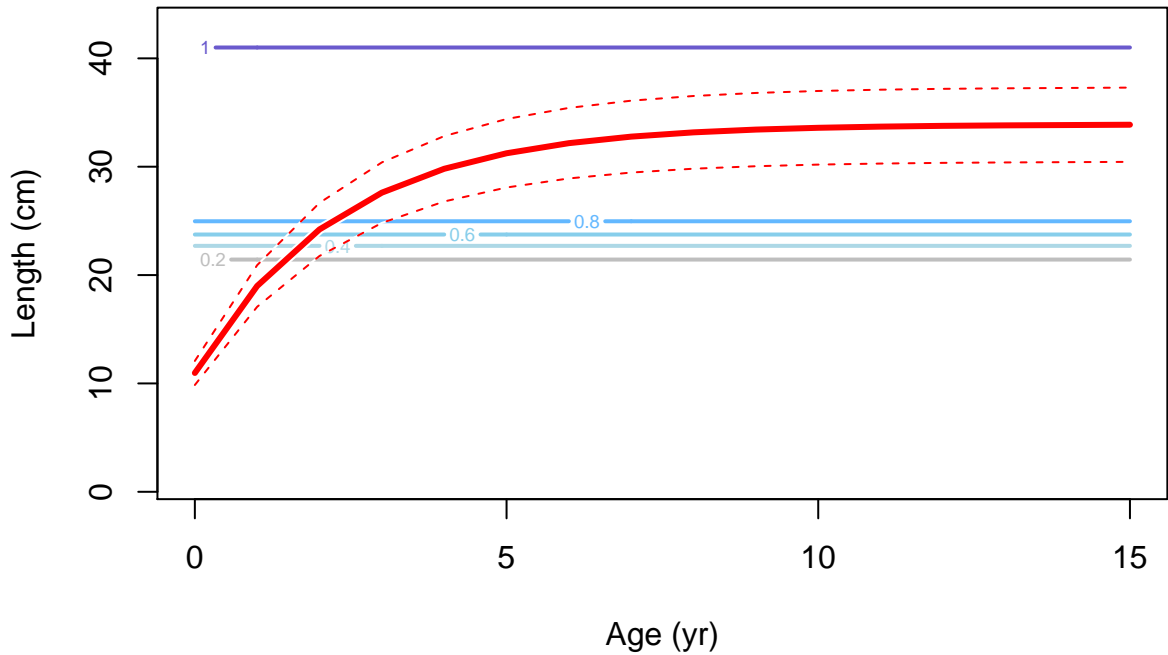


Selectivity

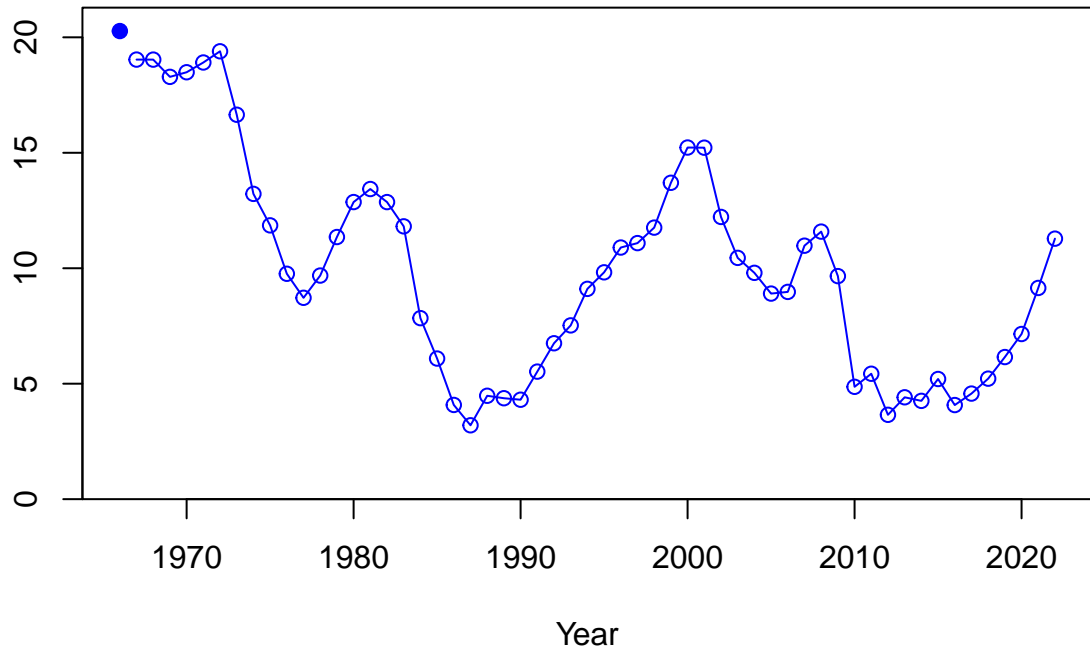


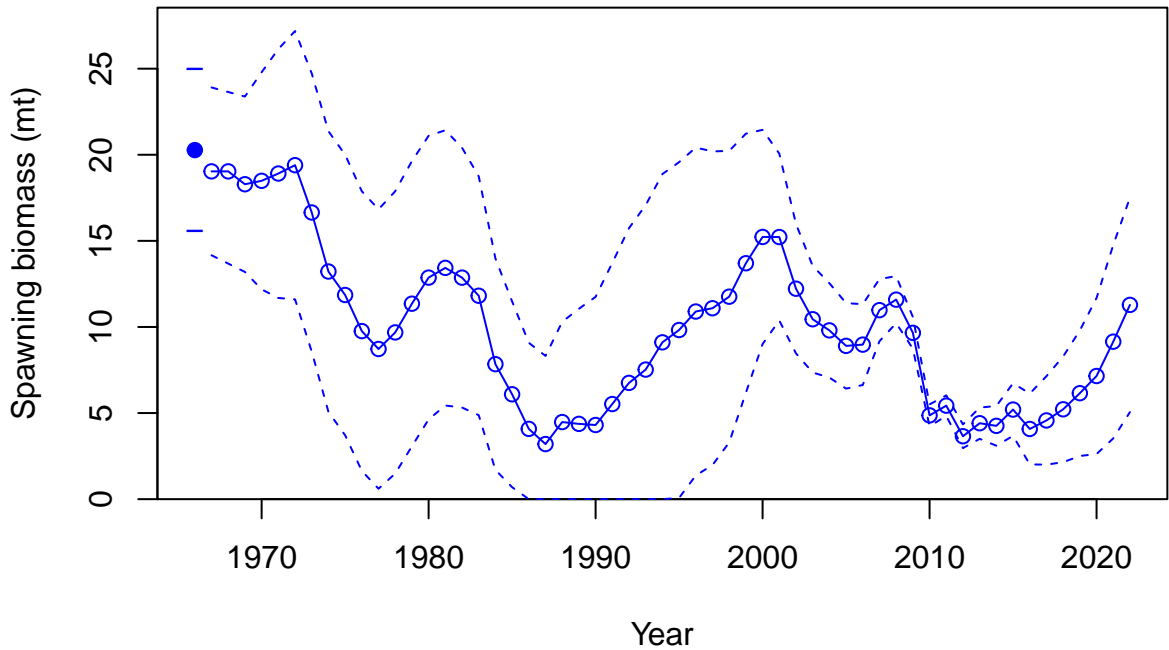
Selectivity



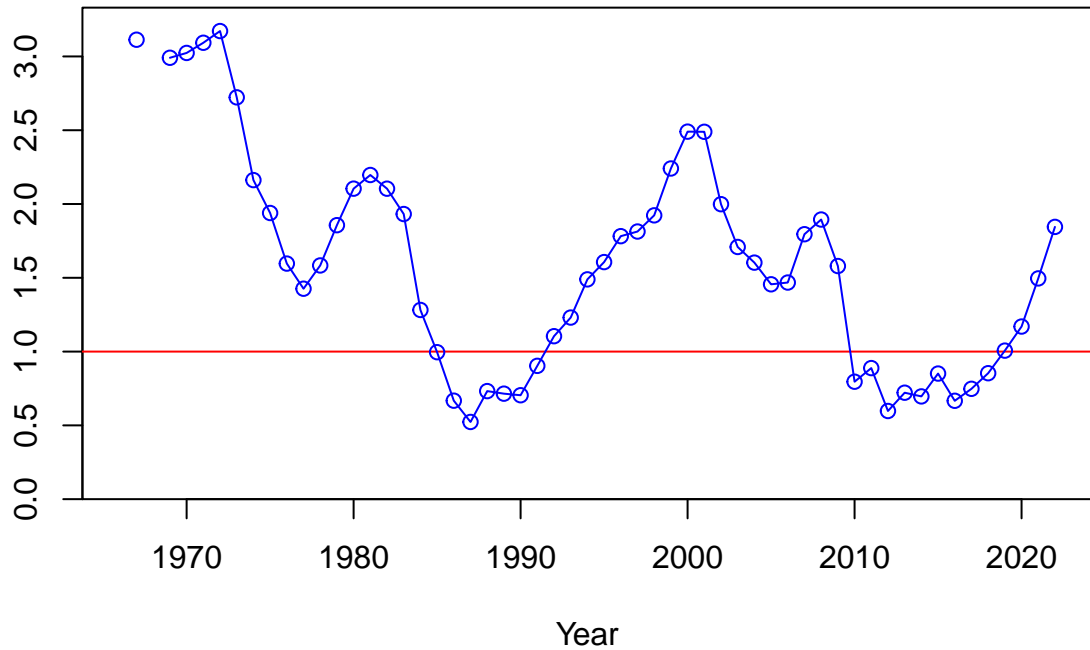


Spawning biomass (mt)

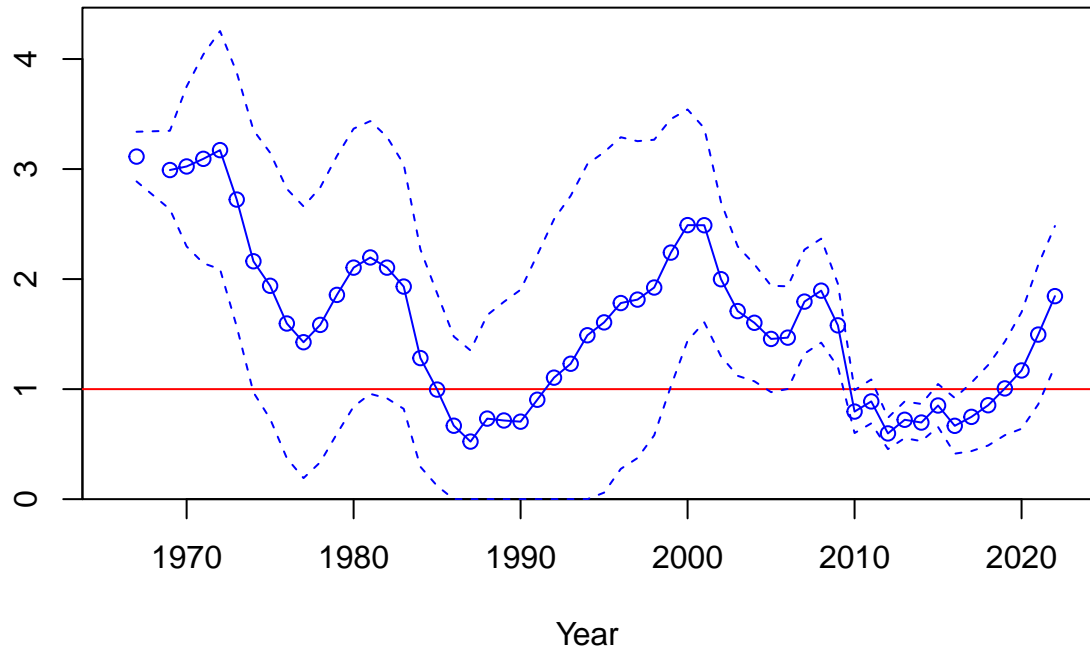


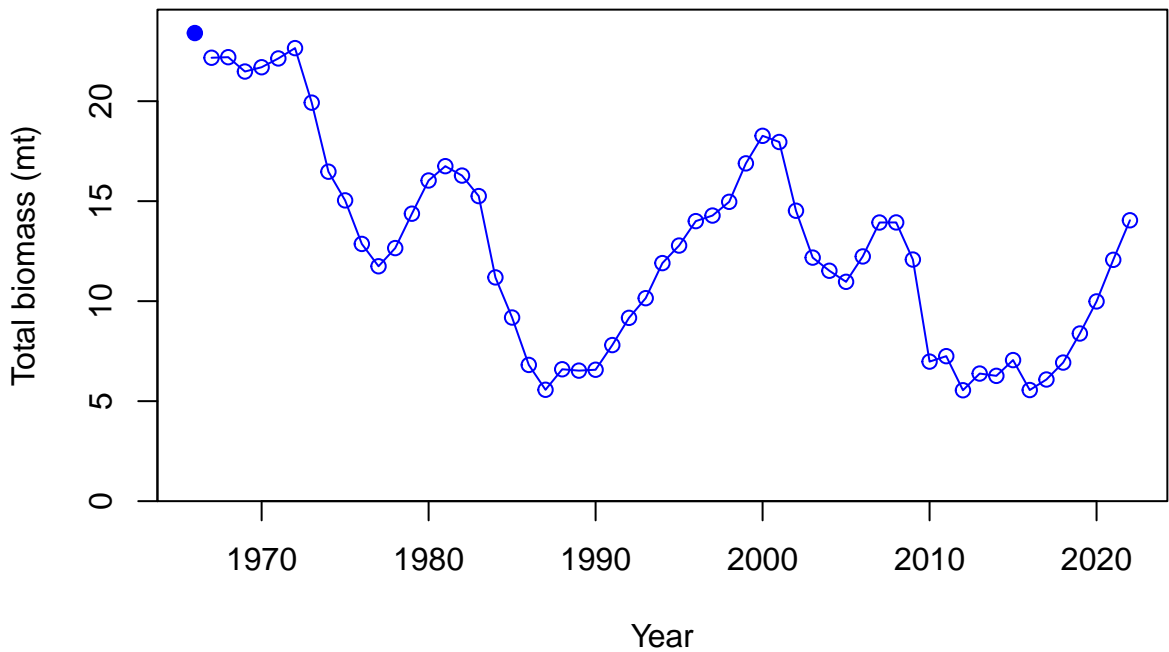


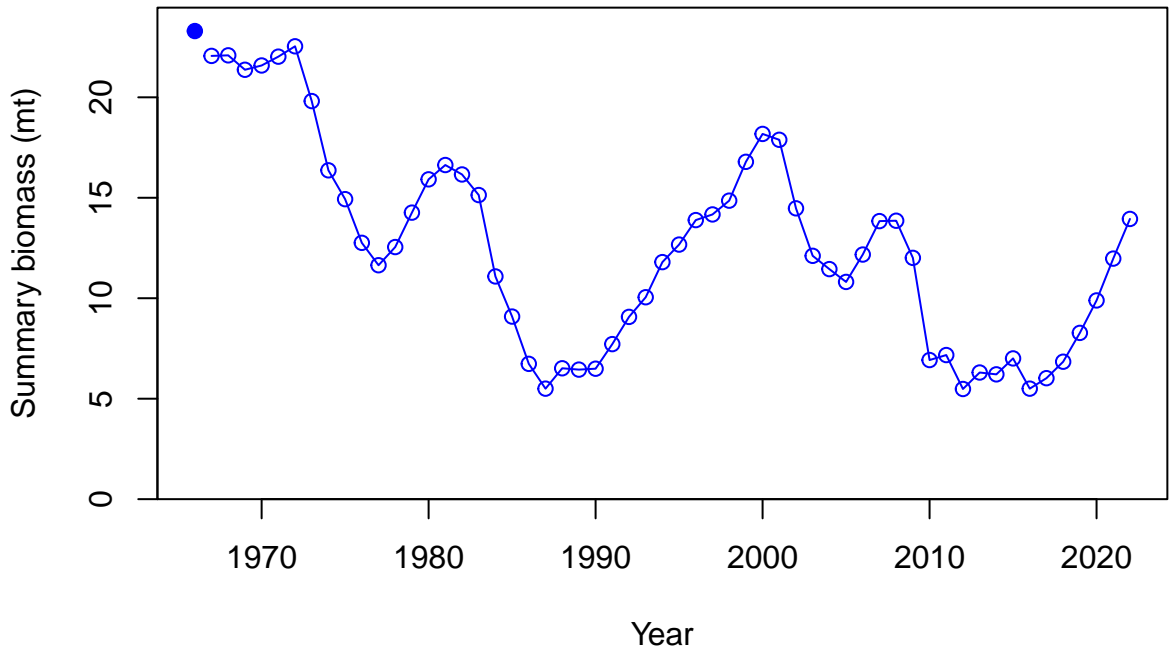
Relative spawning biomass: B/B_{MSY}



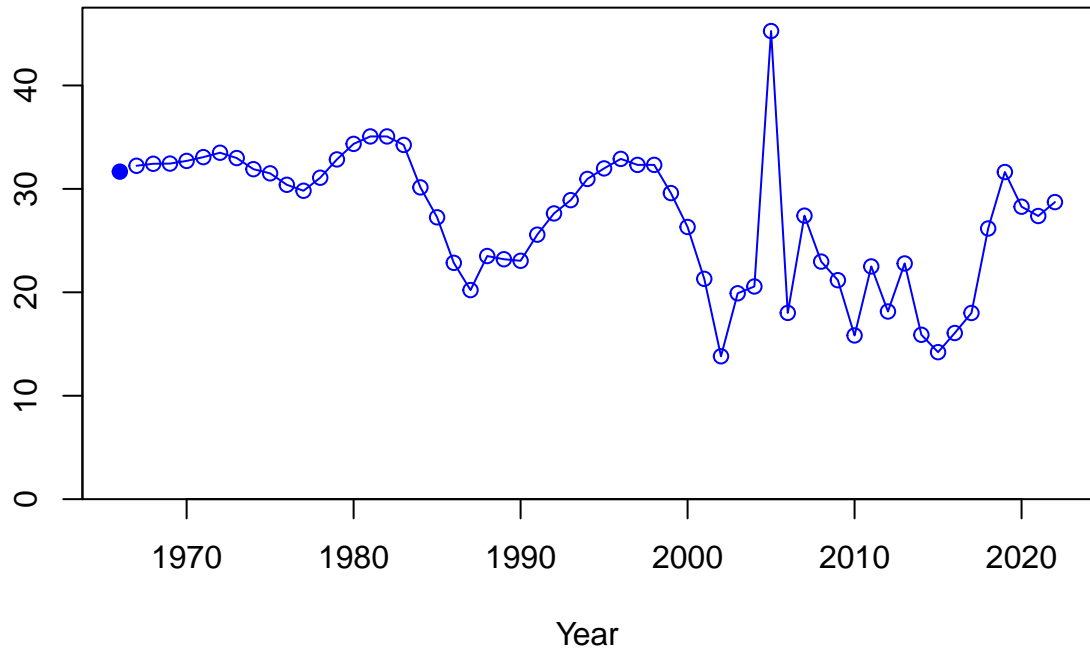
Relative spawning biomass: B/B_{MSY}

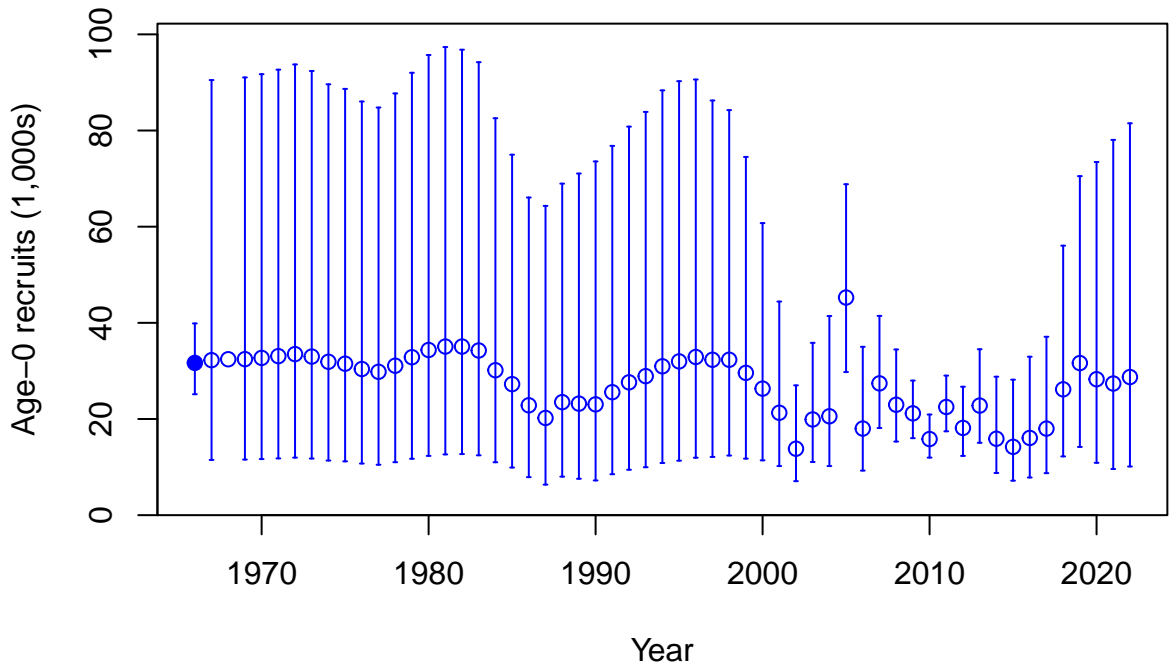




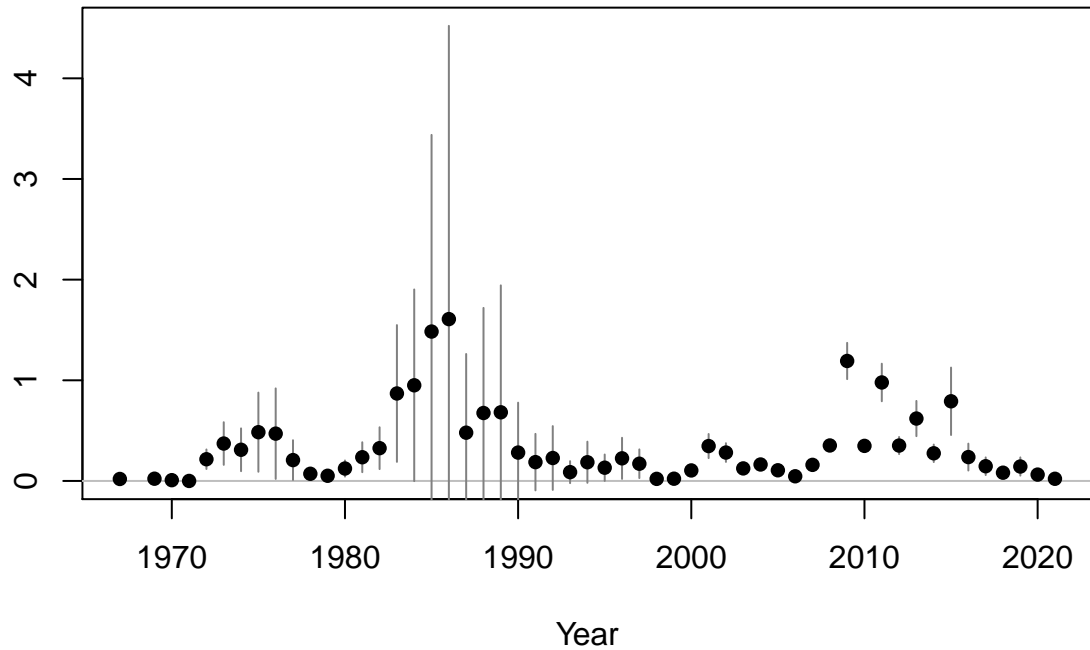


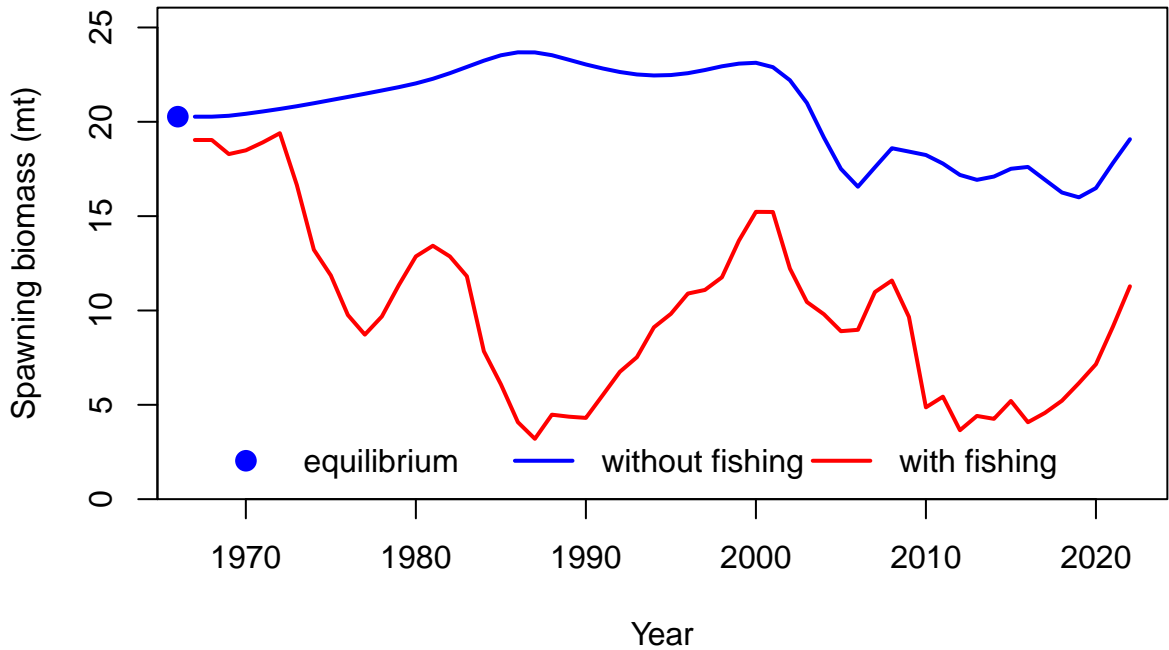
Age-0 recruits (1,000s)



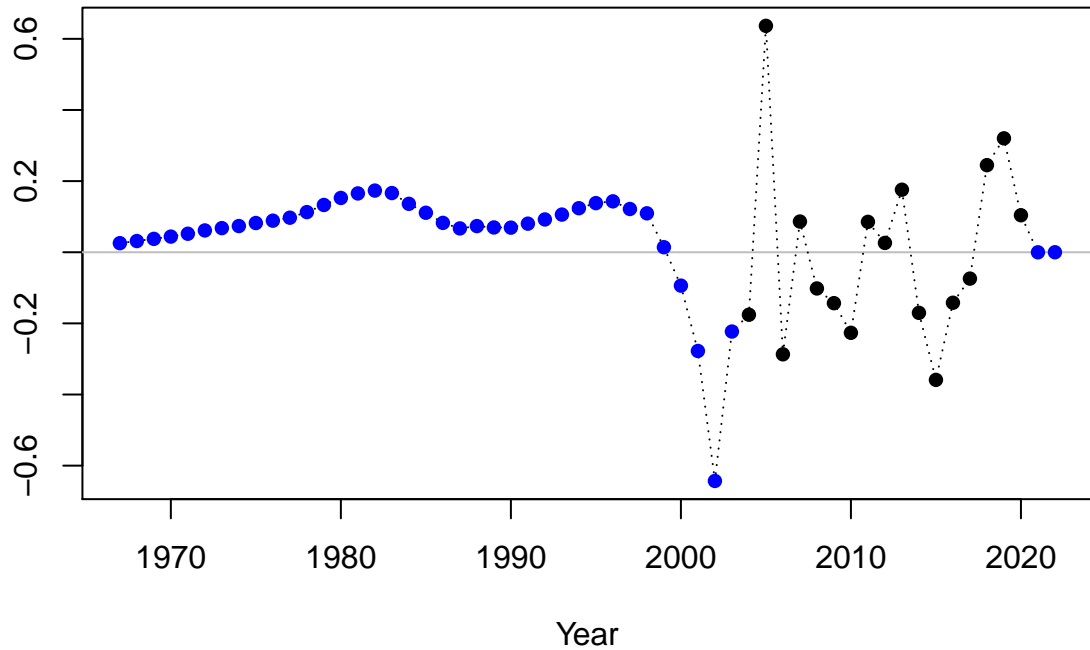


Summary Fishing Mortality





Log recruitment deviation



Log recruitment deviation

1.0
0.5
0.0
-0.5
-1.0

1970

1980

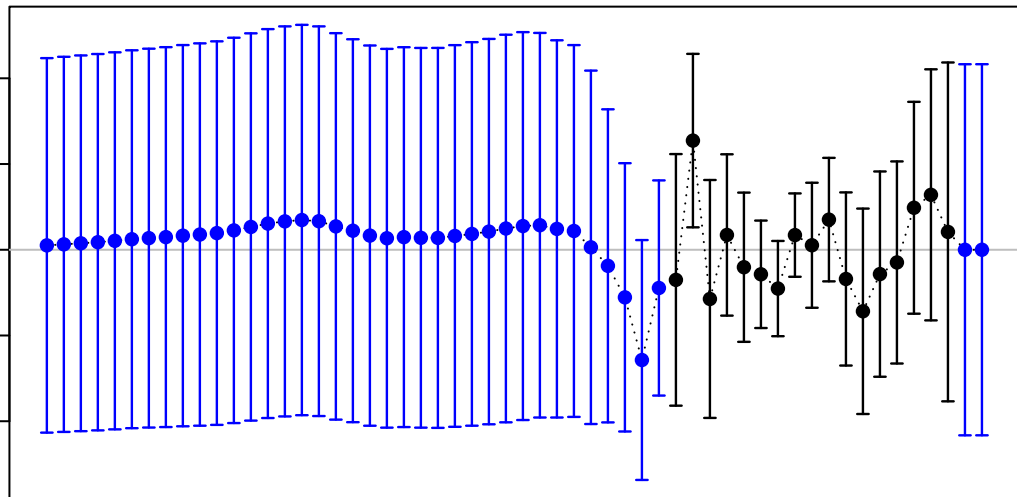
1990

2000

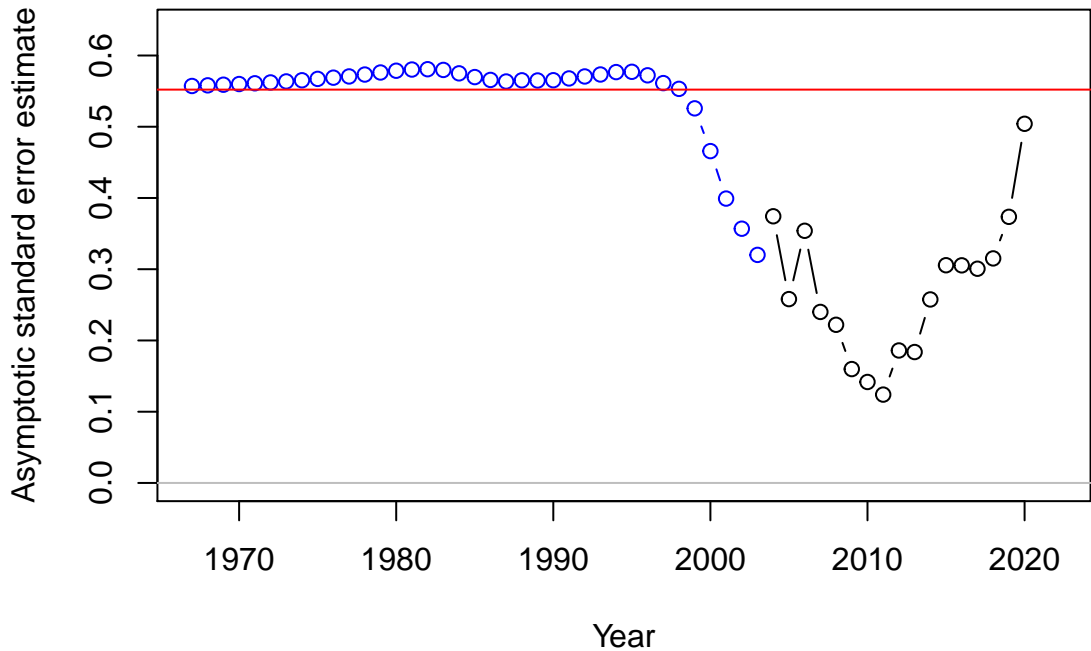
2010

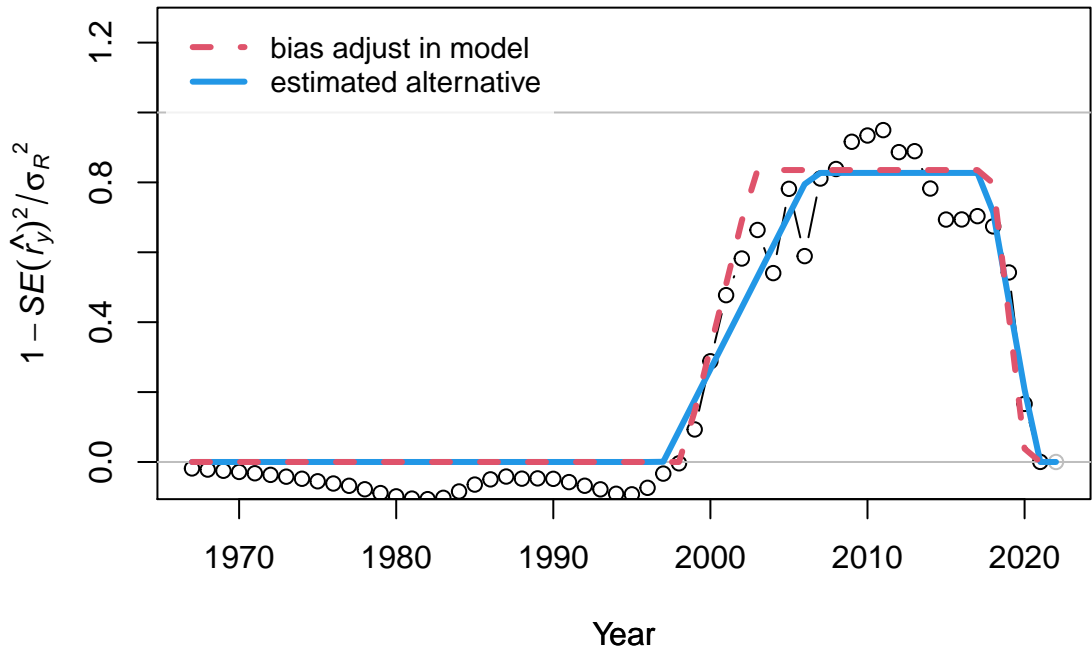
2020

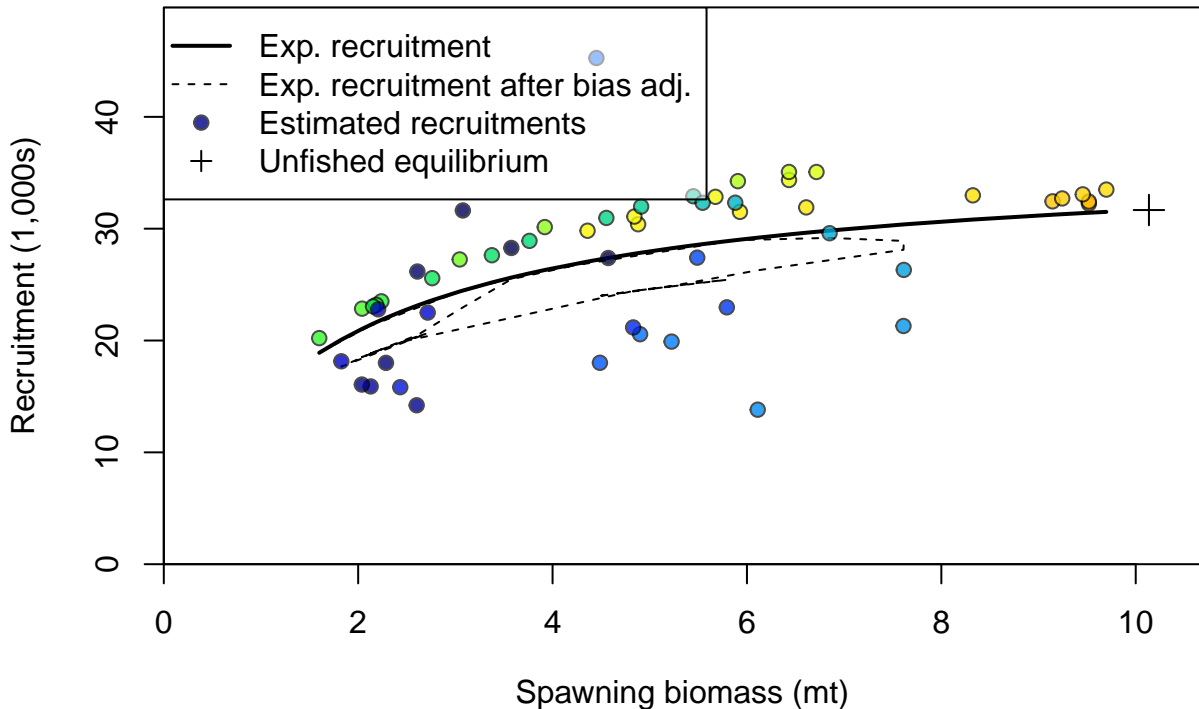
Year

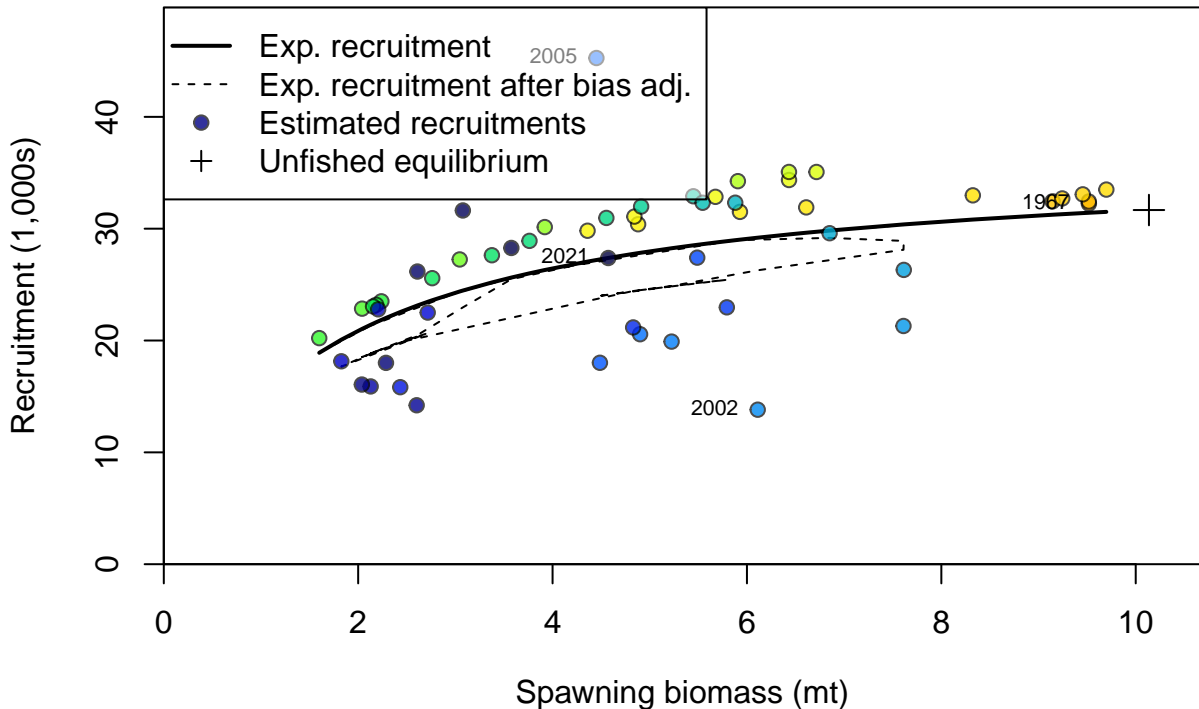


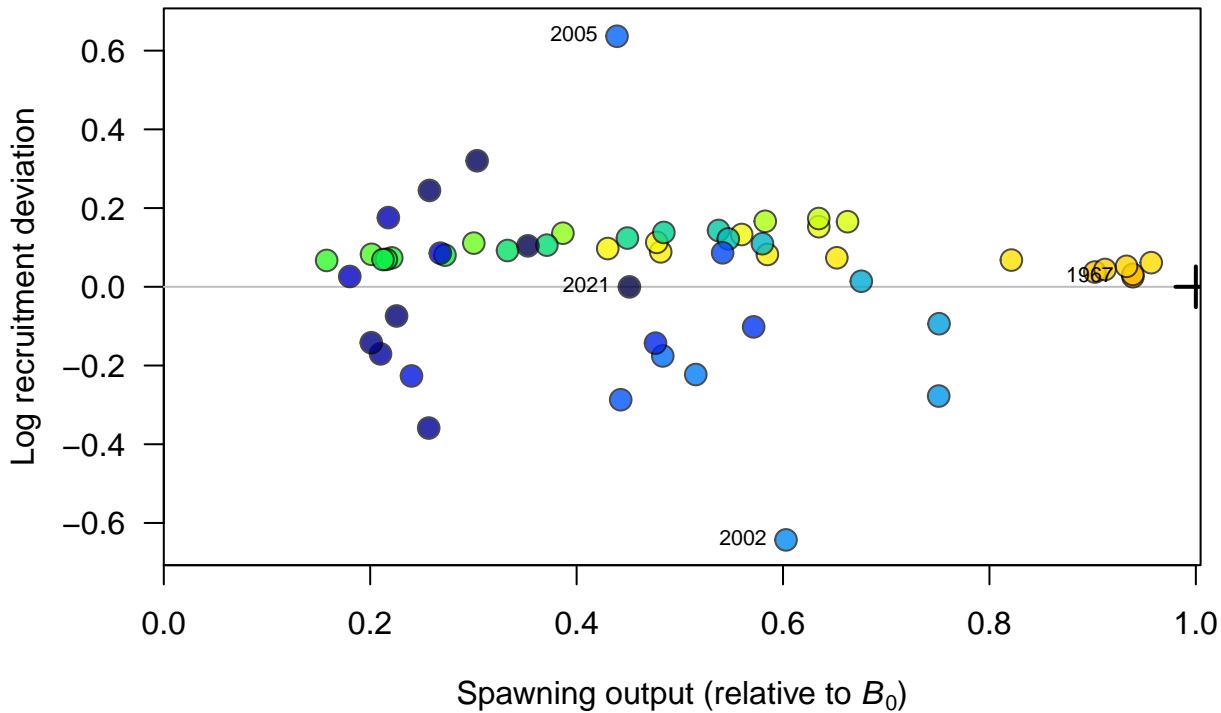
Recruitment deviation variance

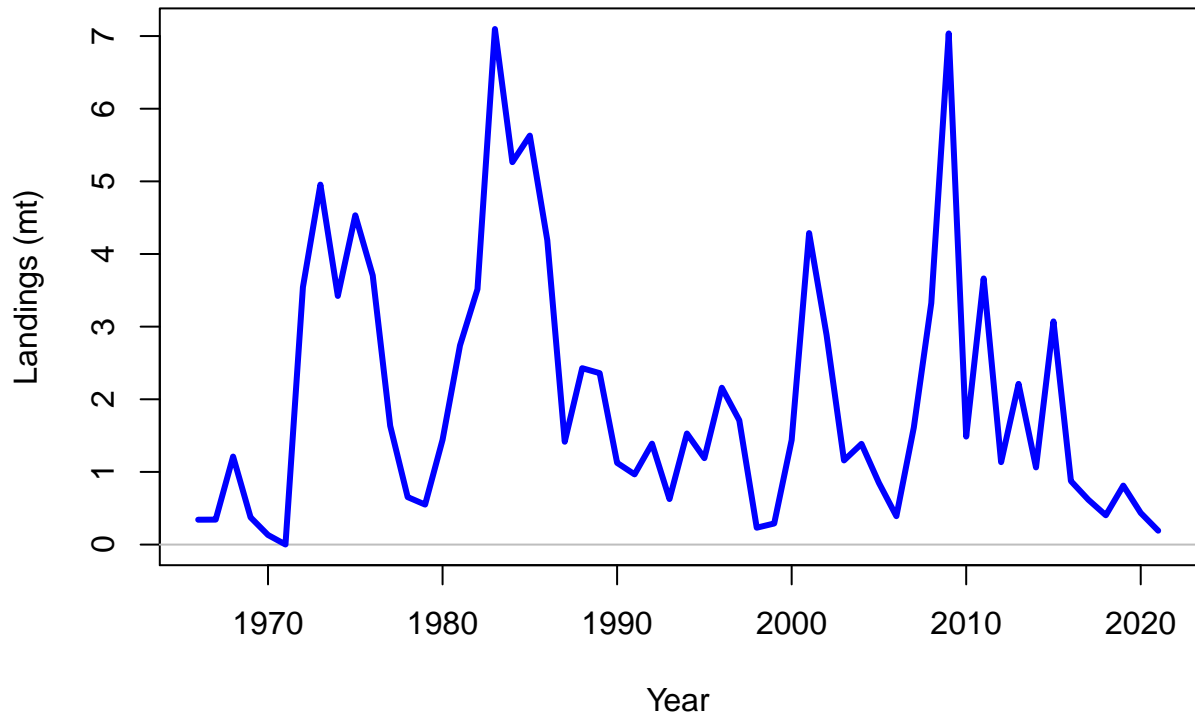


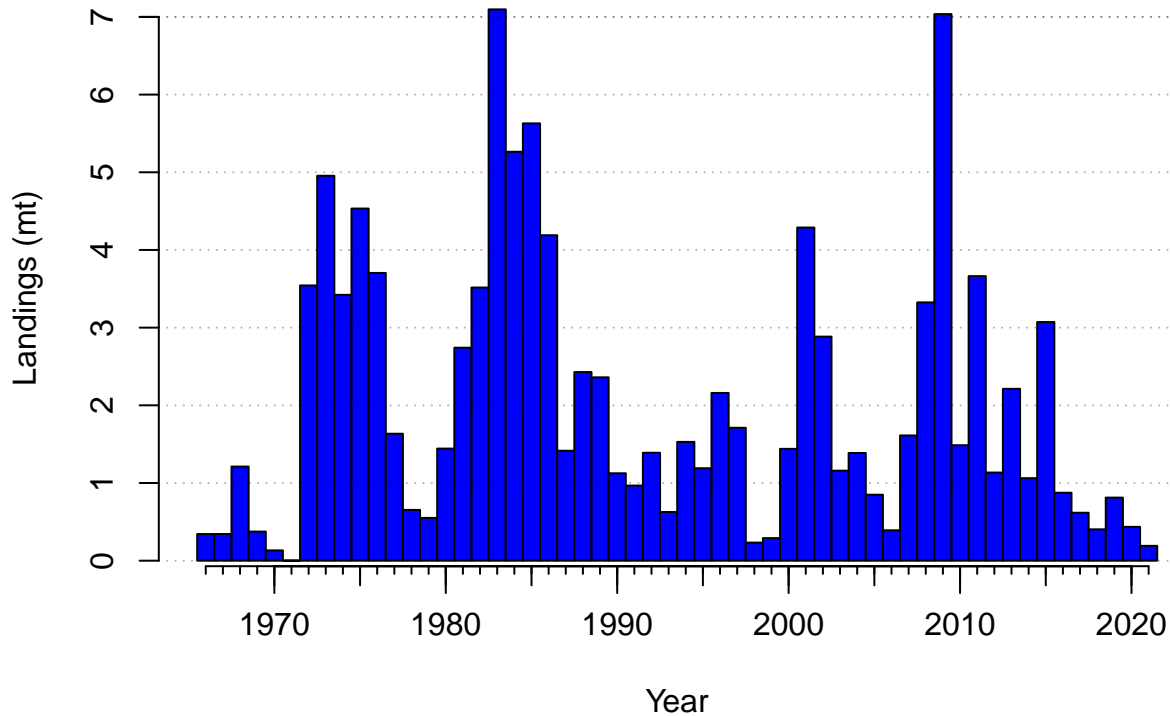


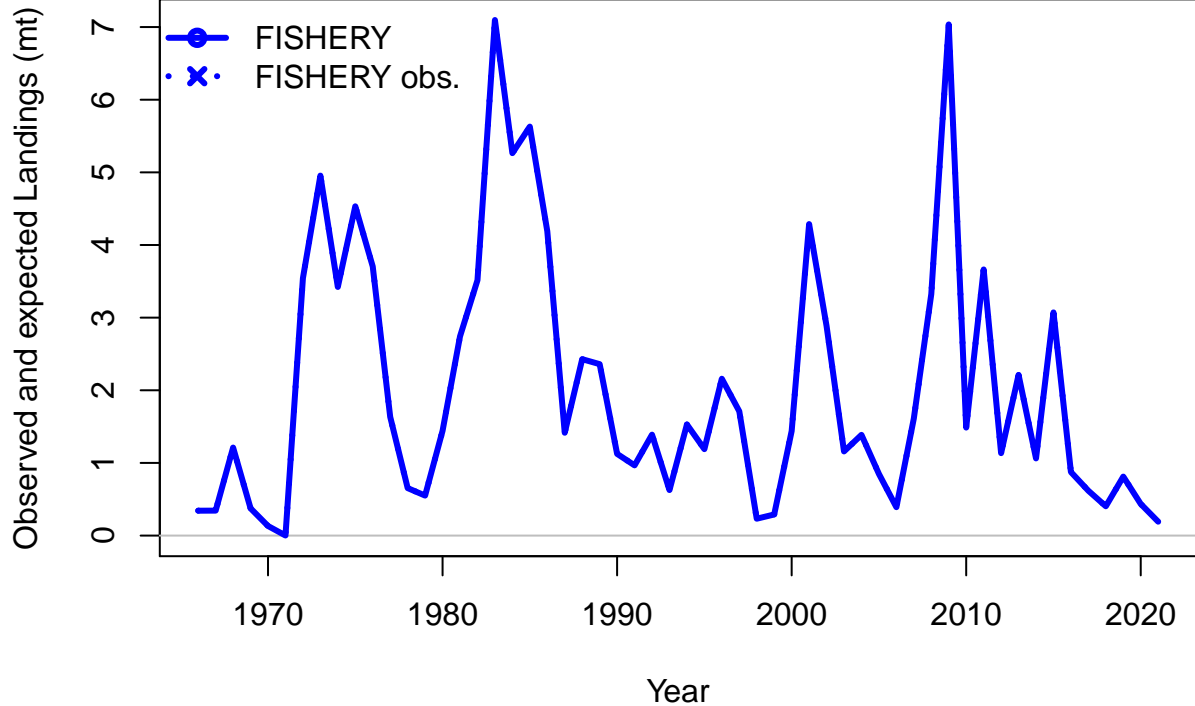


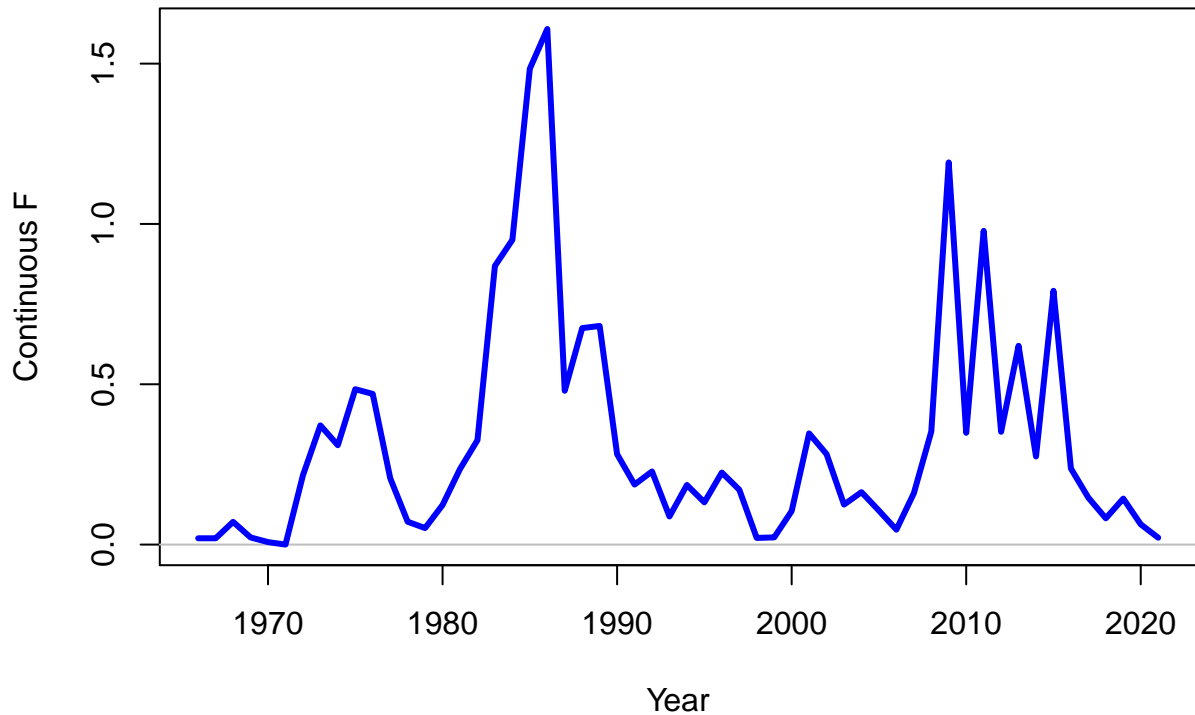




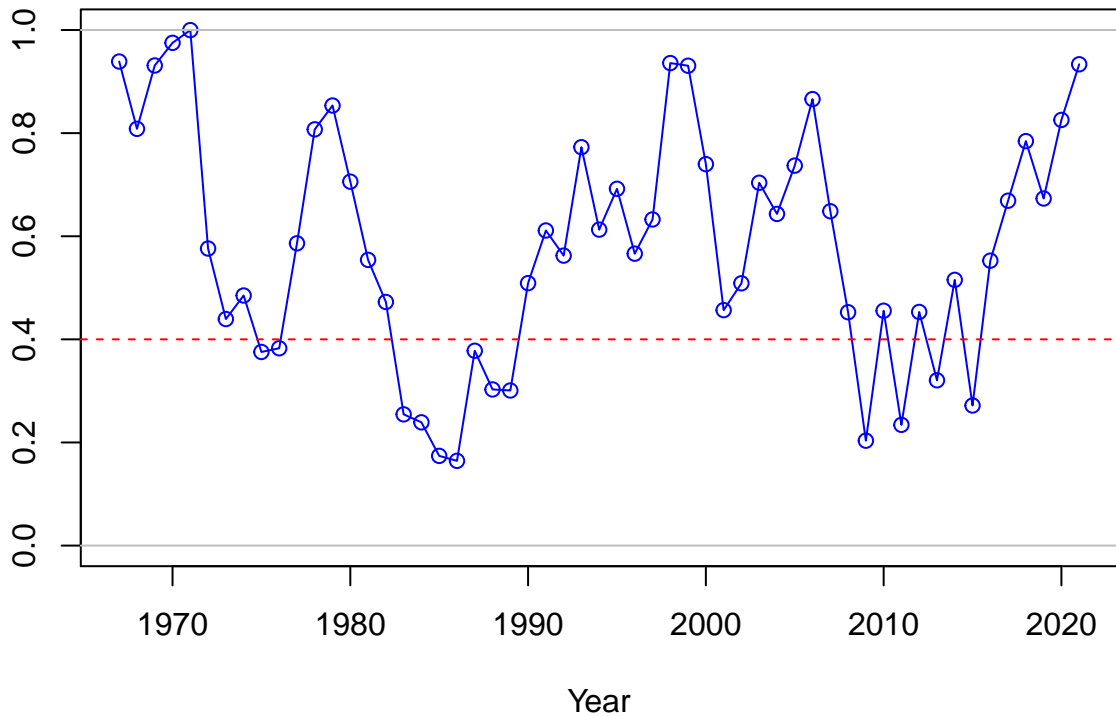


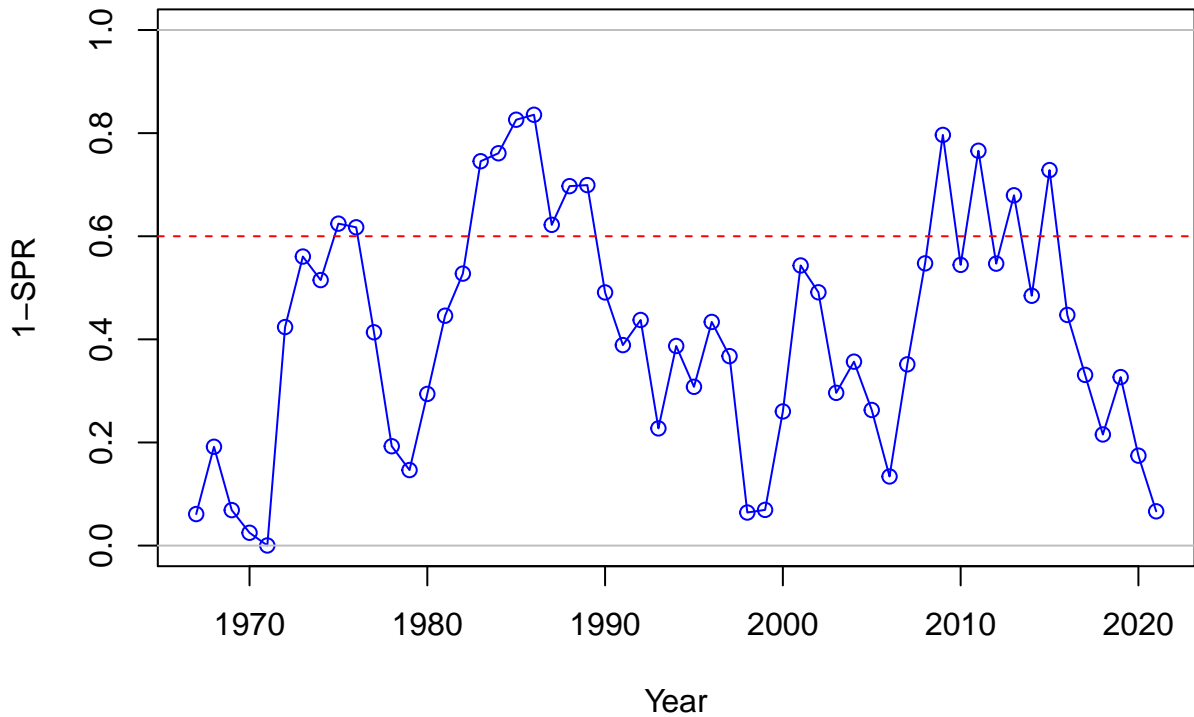




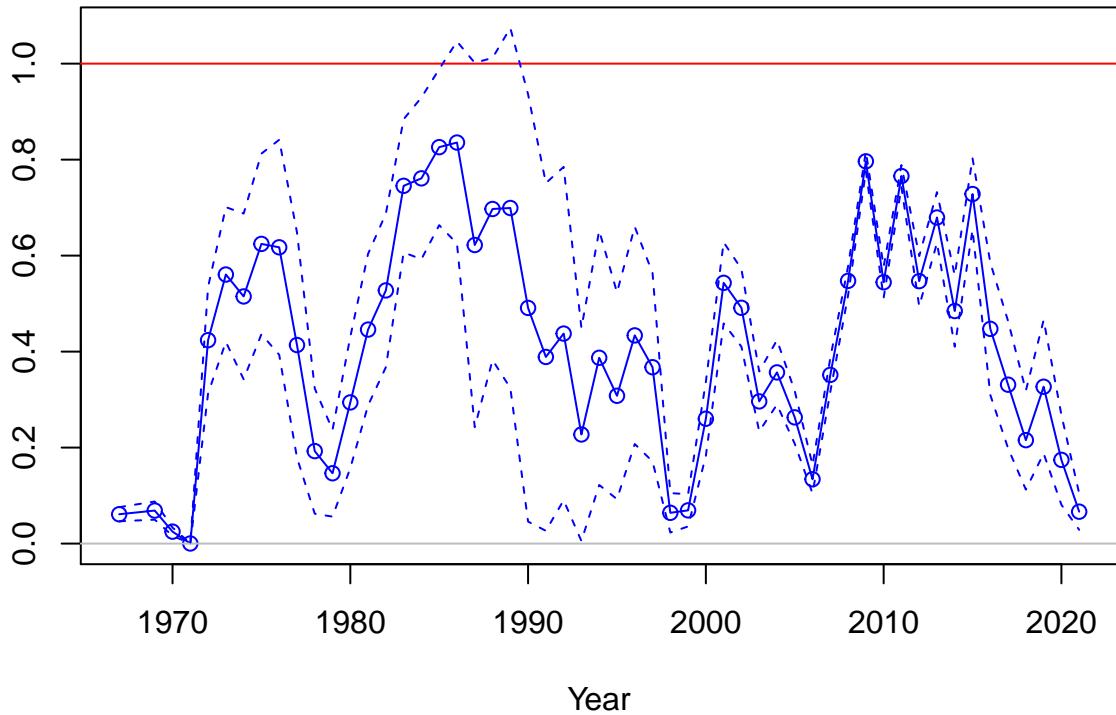


SPR

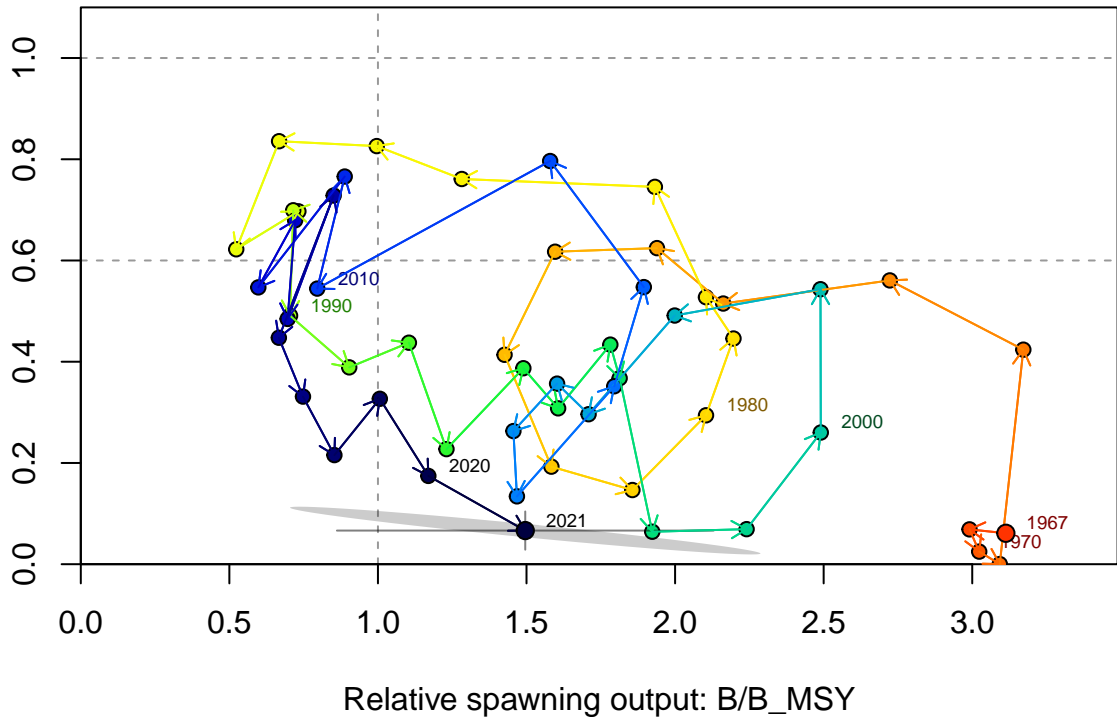




Fishing intensity: 1-SPR



Fishing intensity: 1-SPR



Index

0
2
4
6
8
10
12

2016

2017

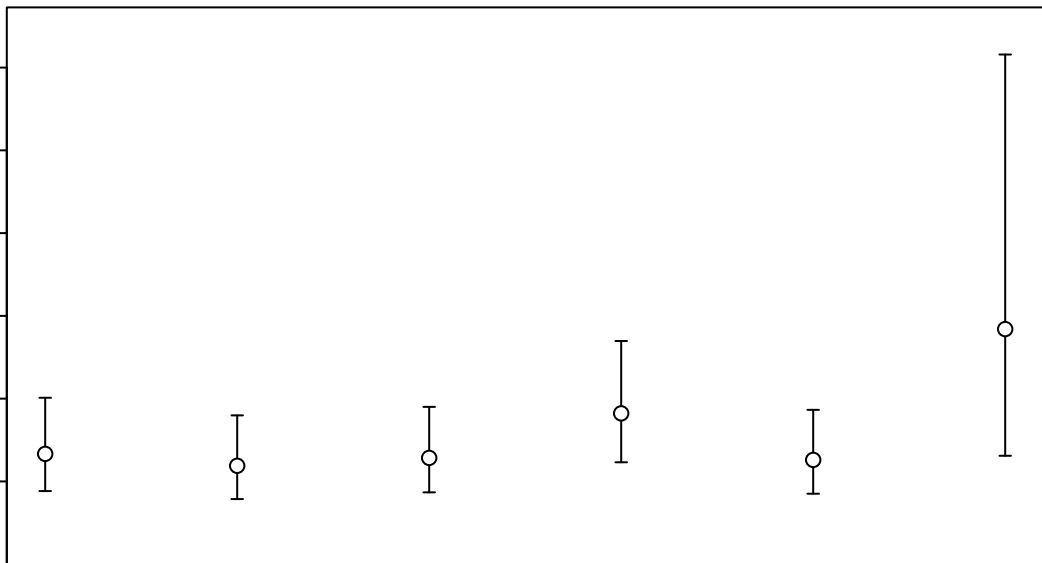
2018

2019

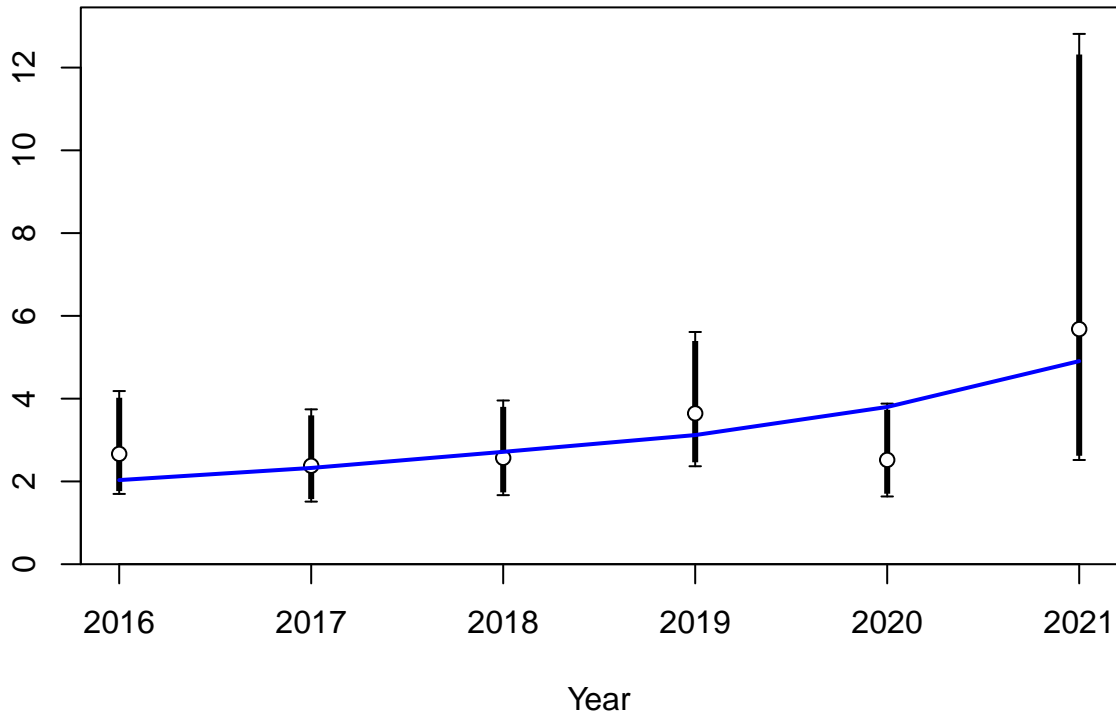
2020

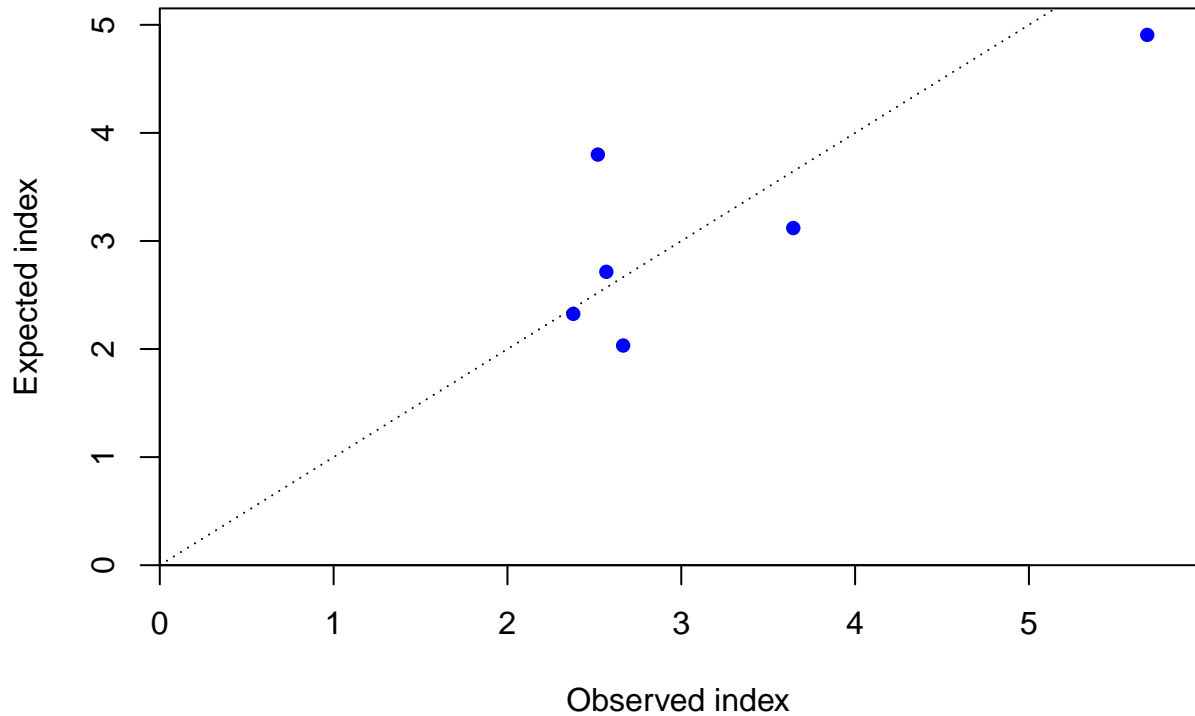
2021

Year

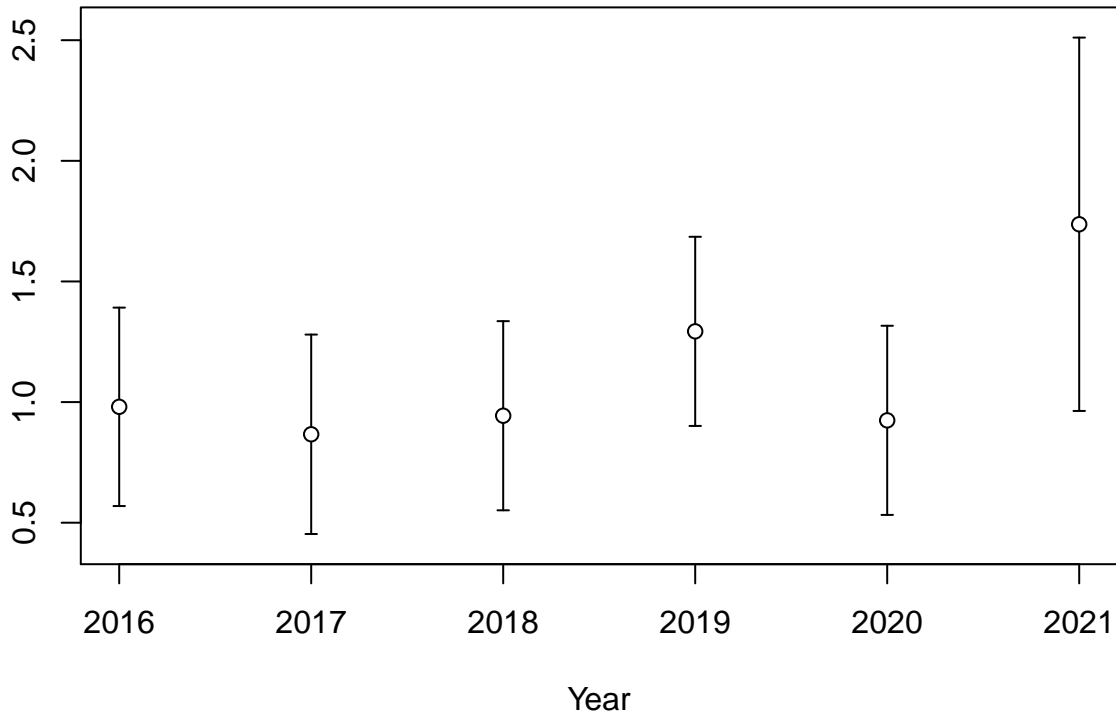


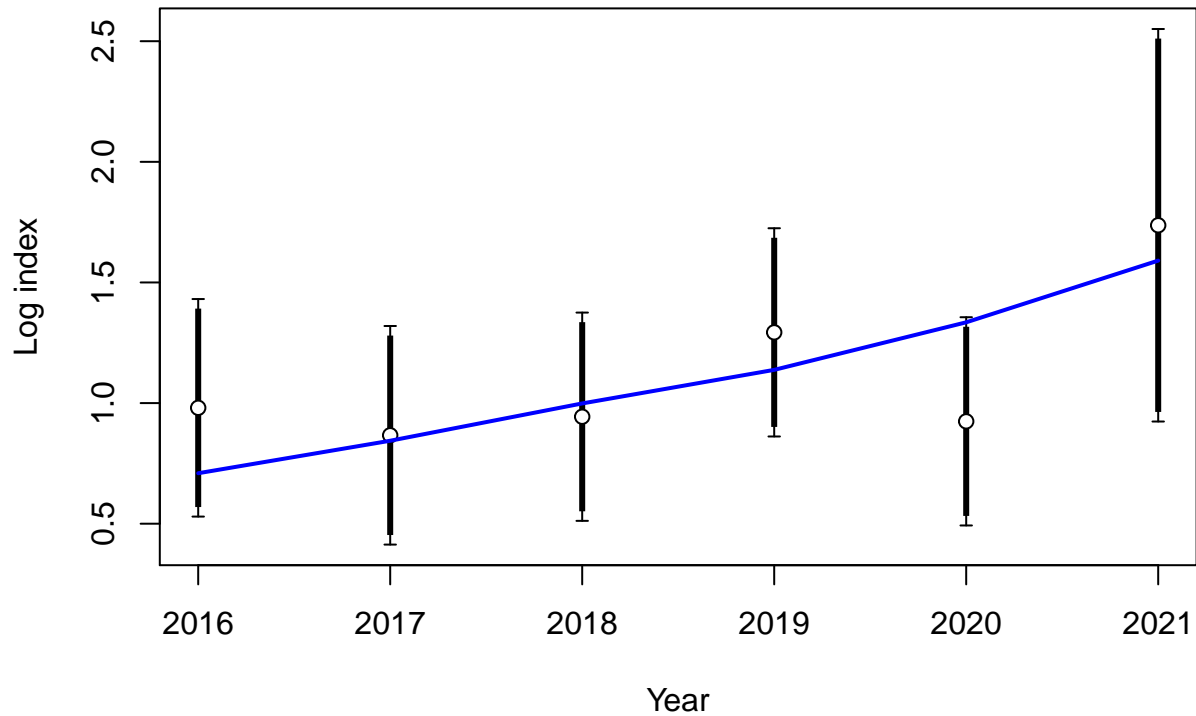
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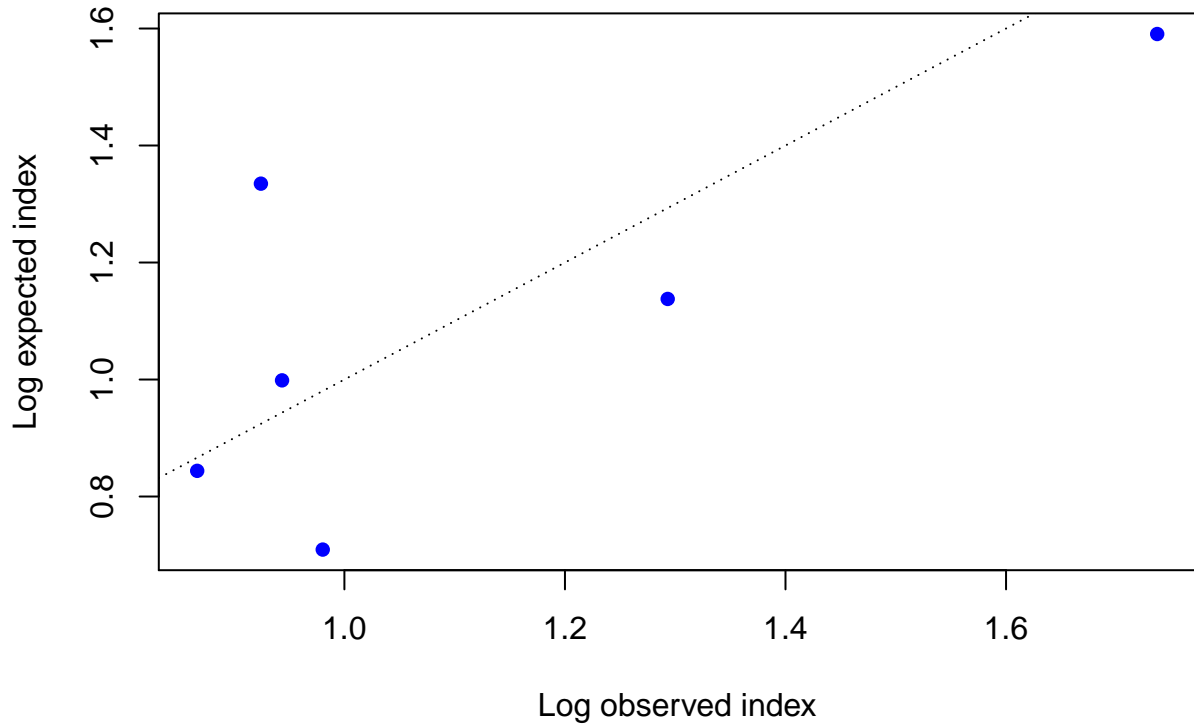


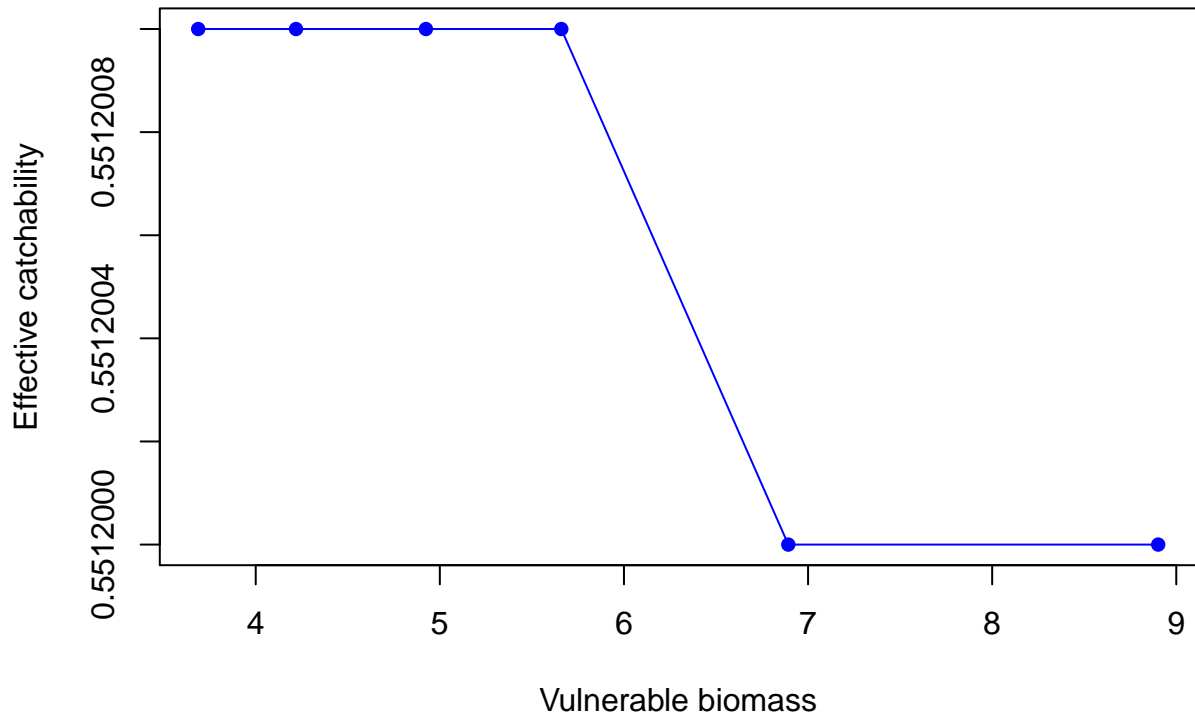


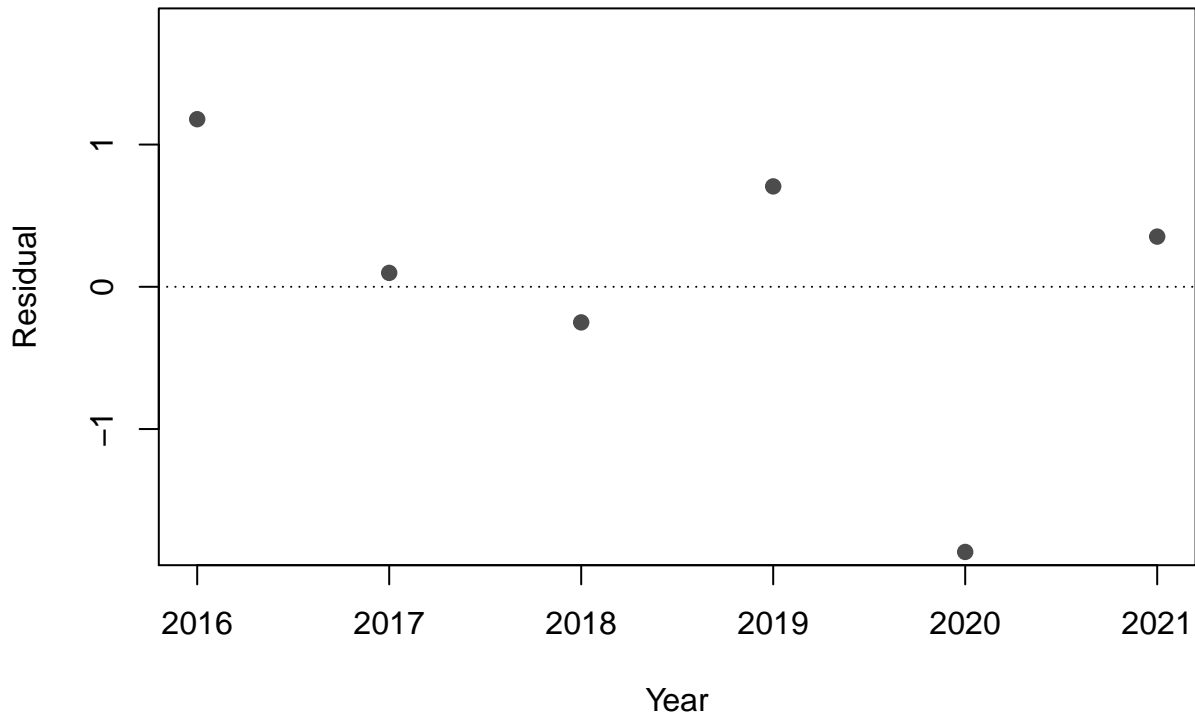
Log index

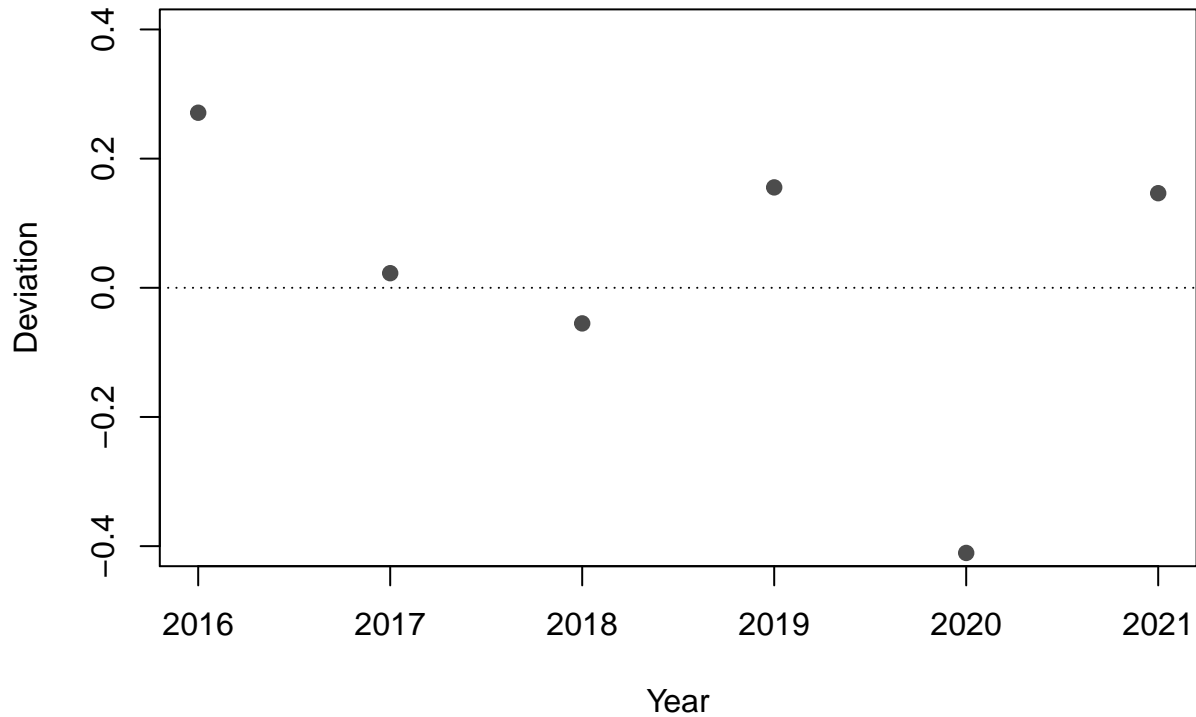


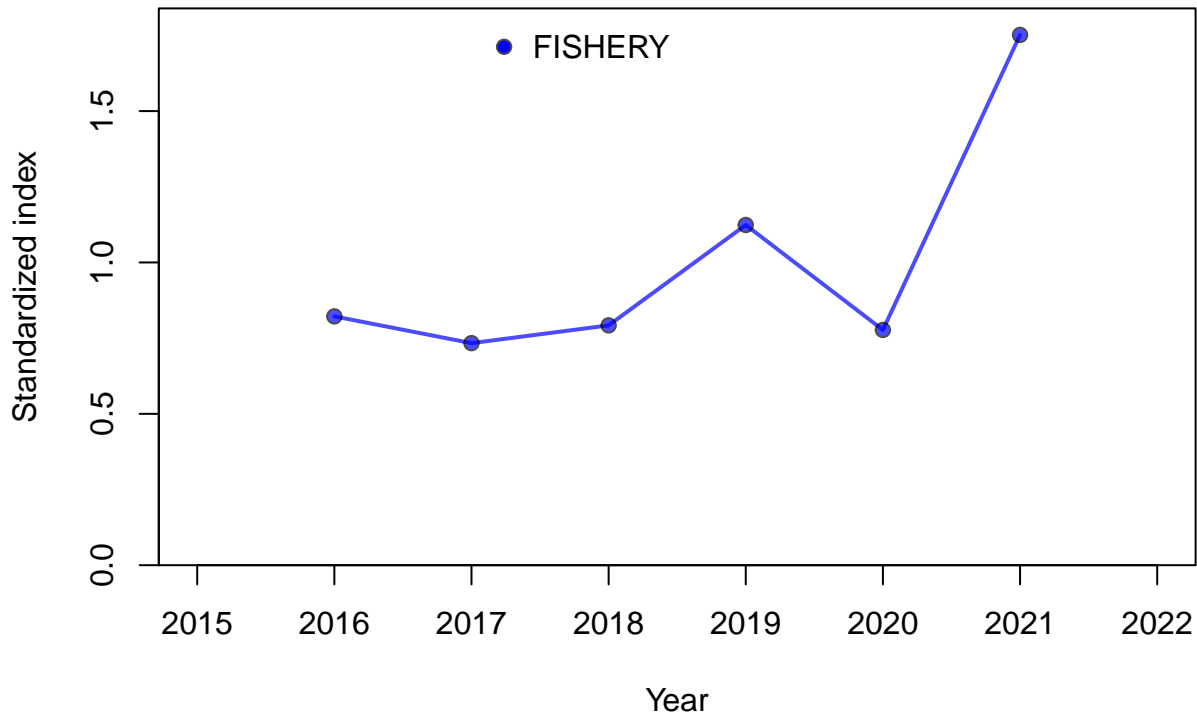


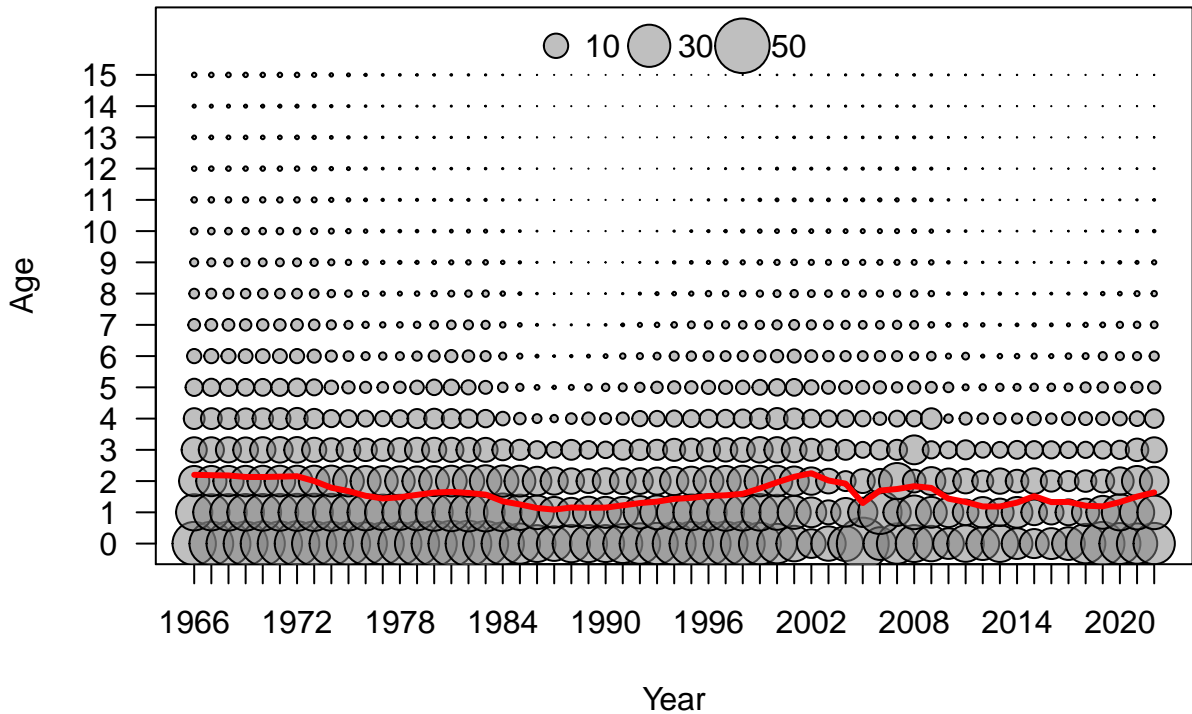


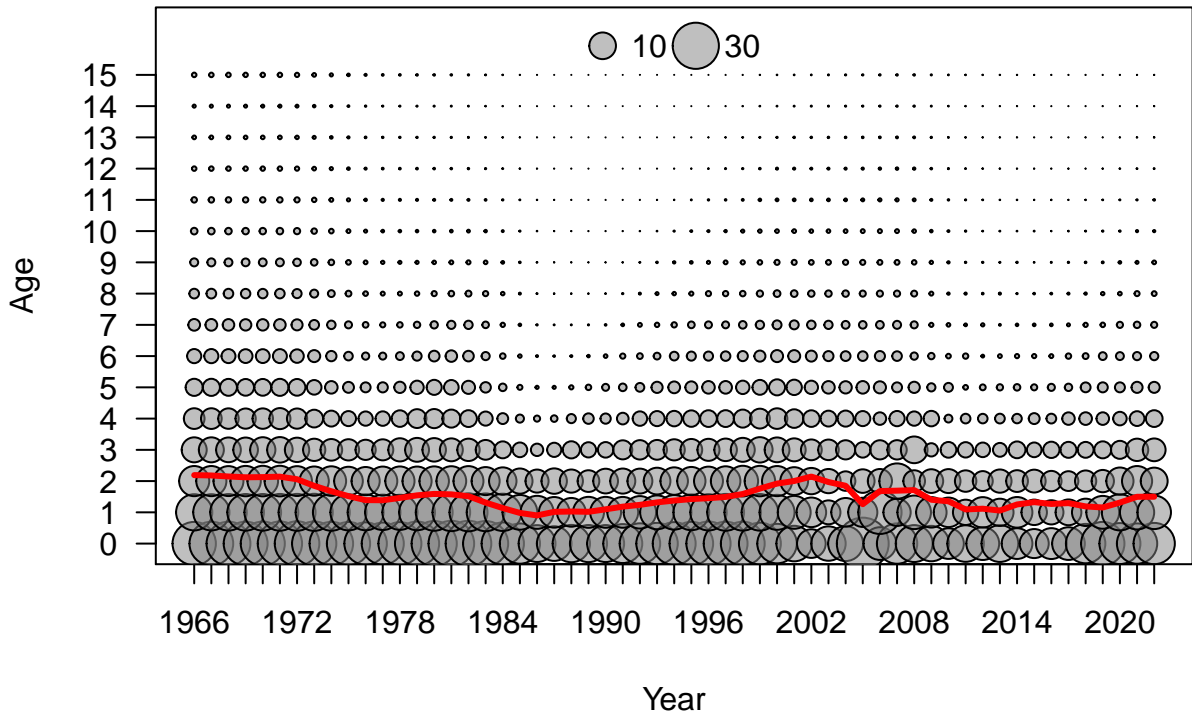


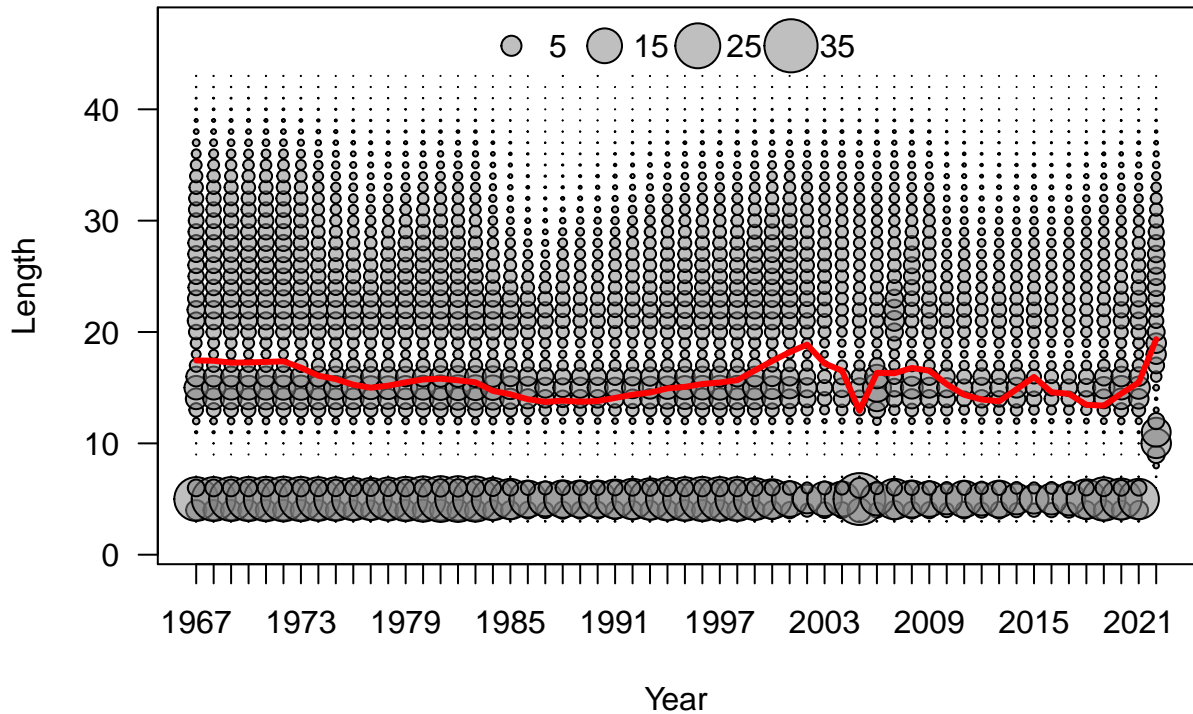


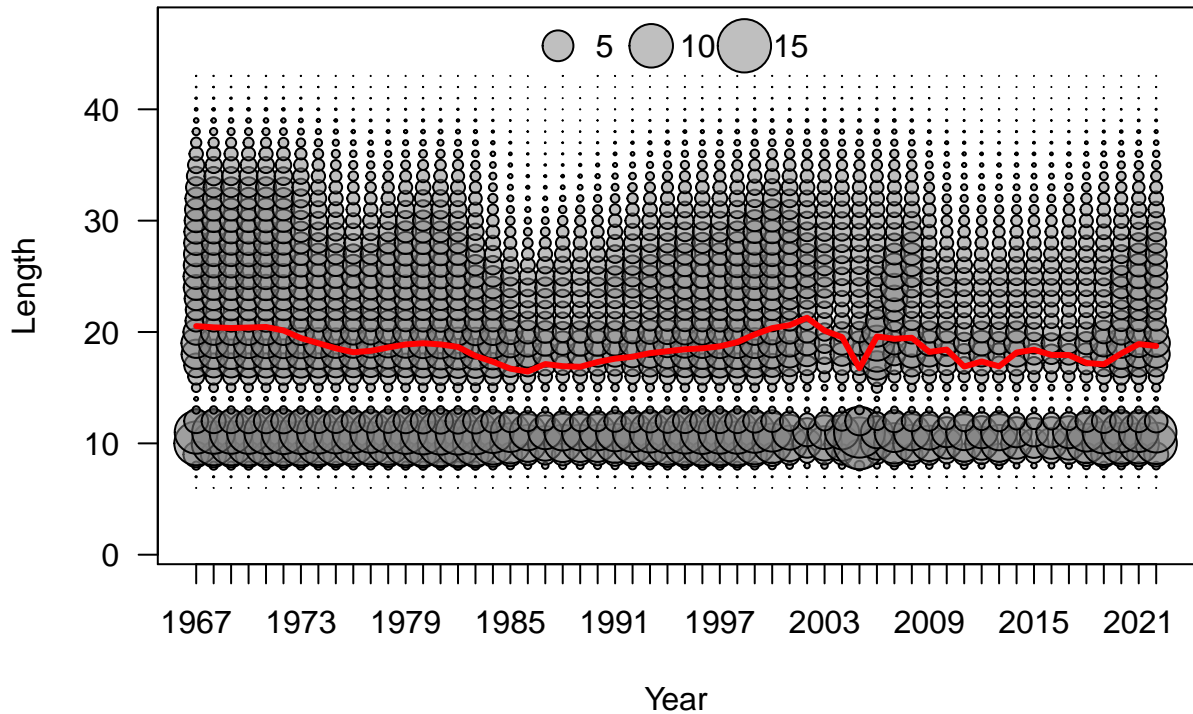


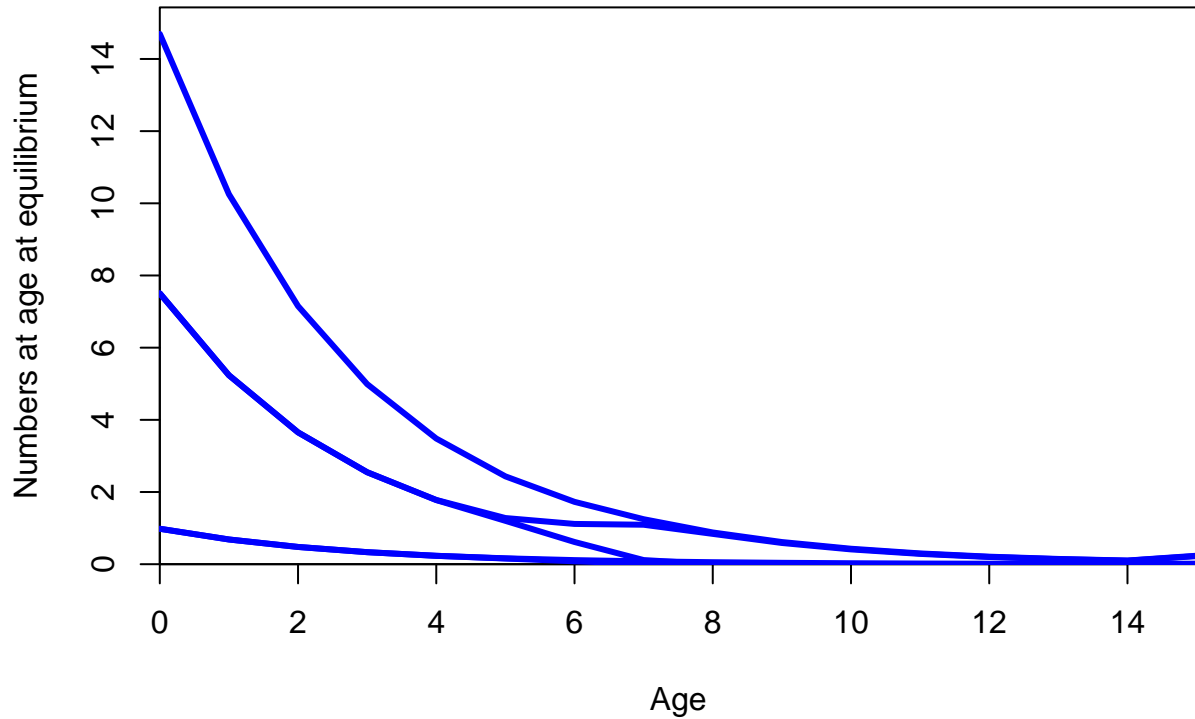






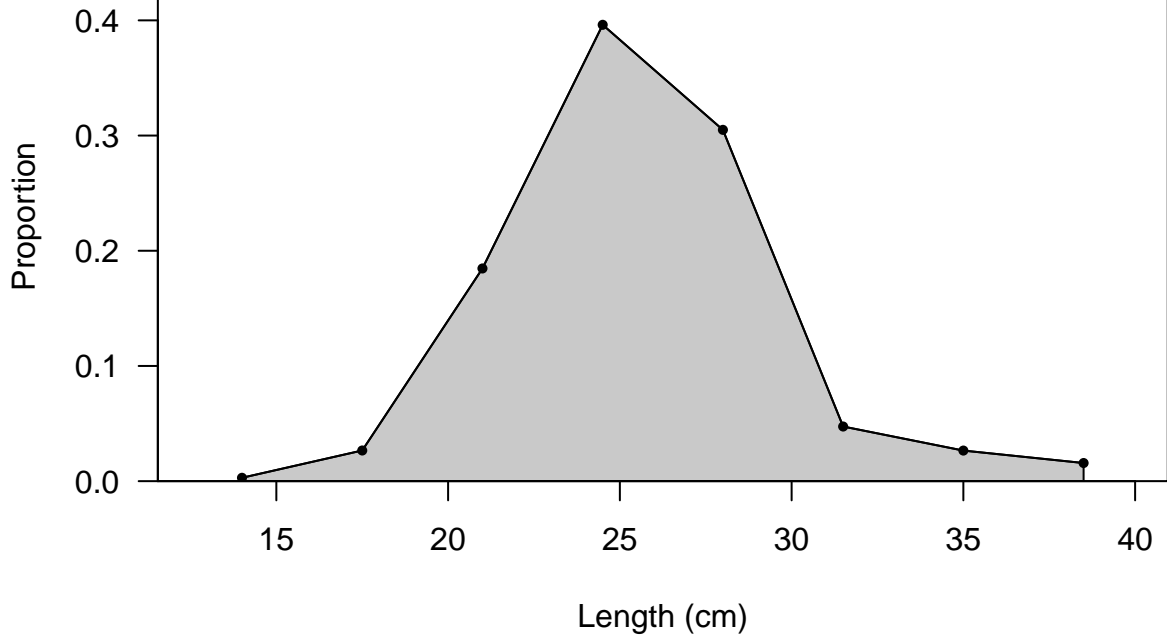


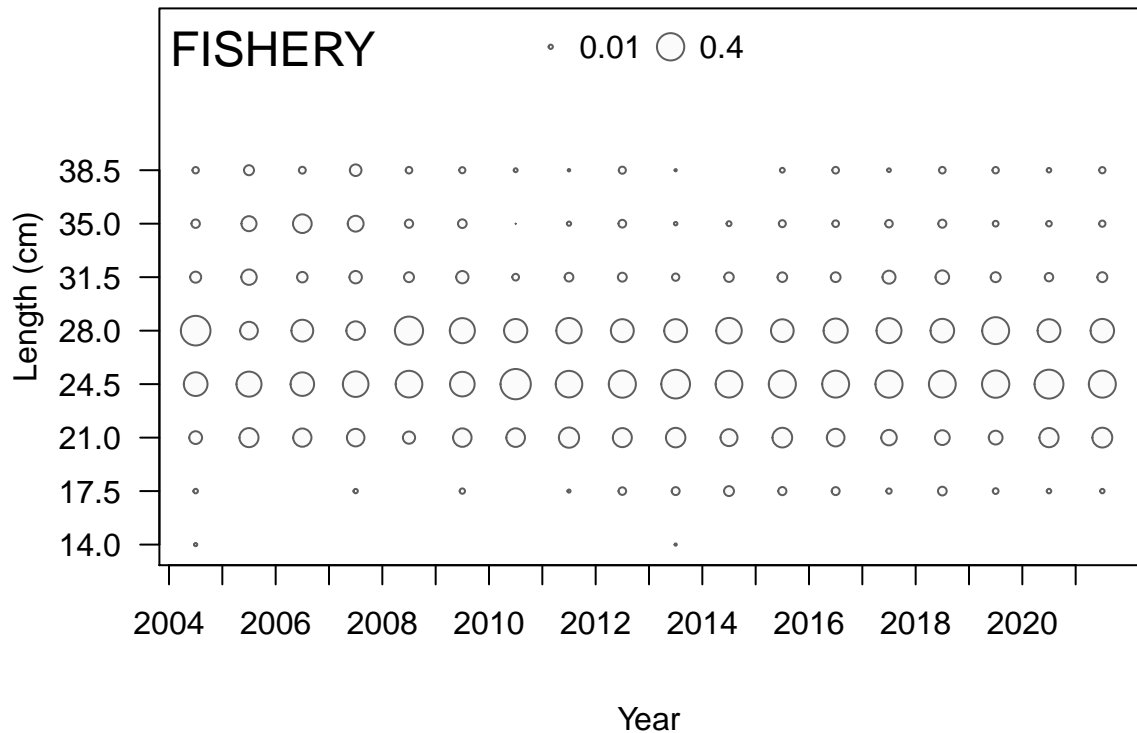


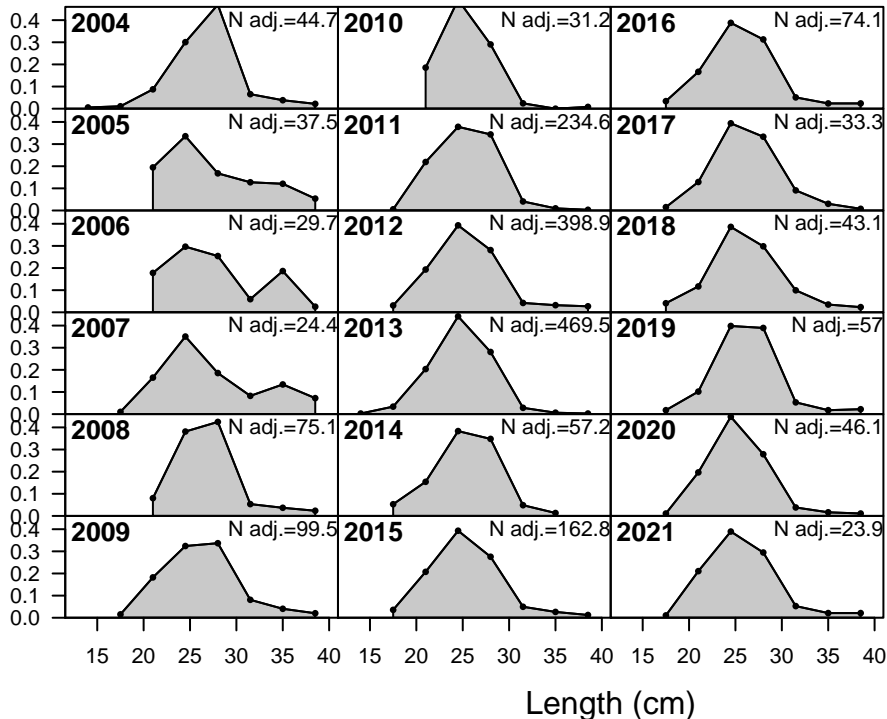


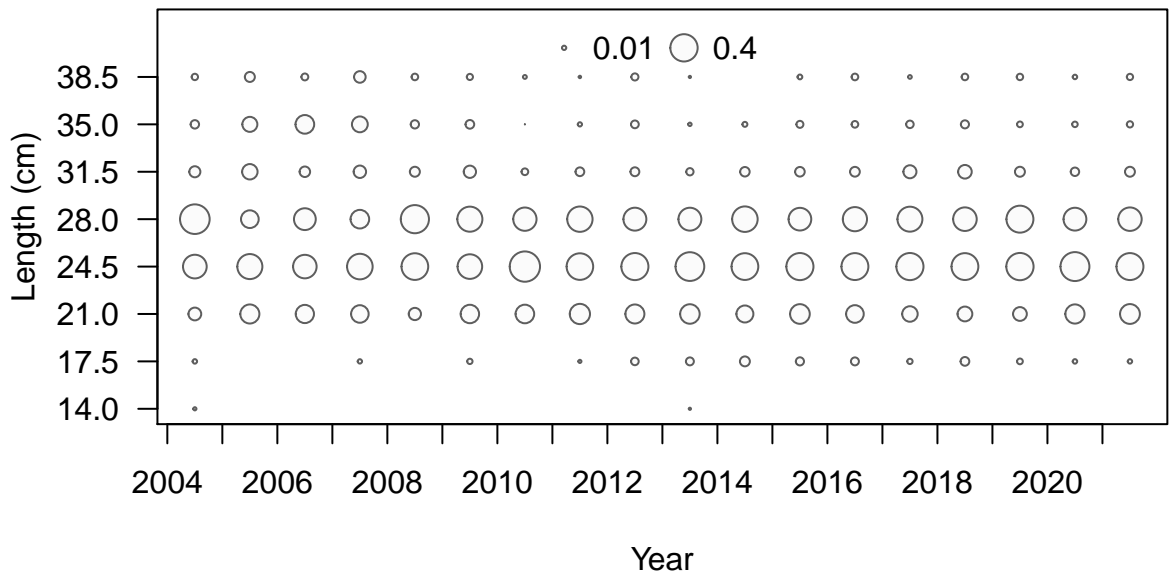
FISHERY

Sum of N adj.=1942.8

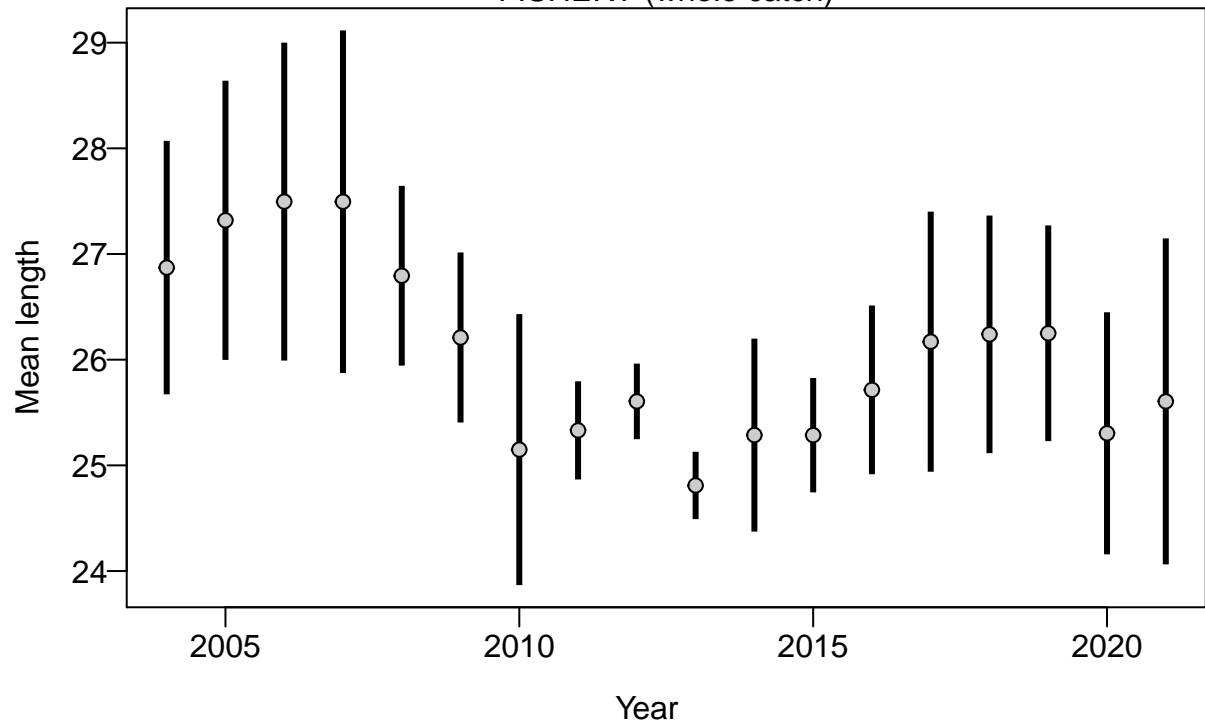






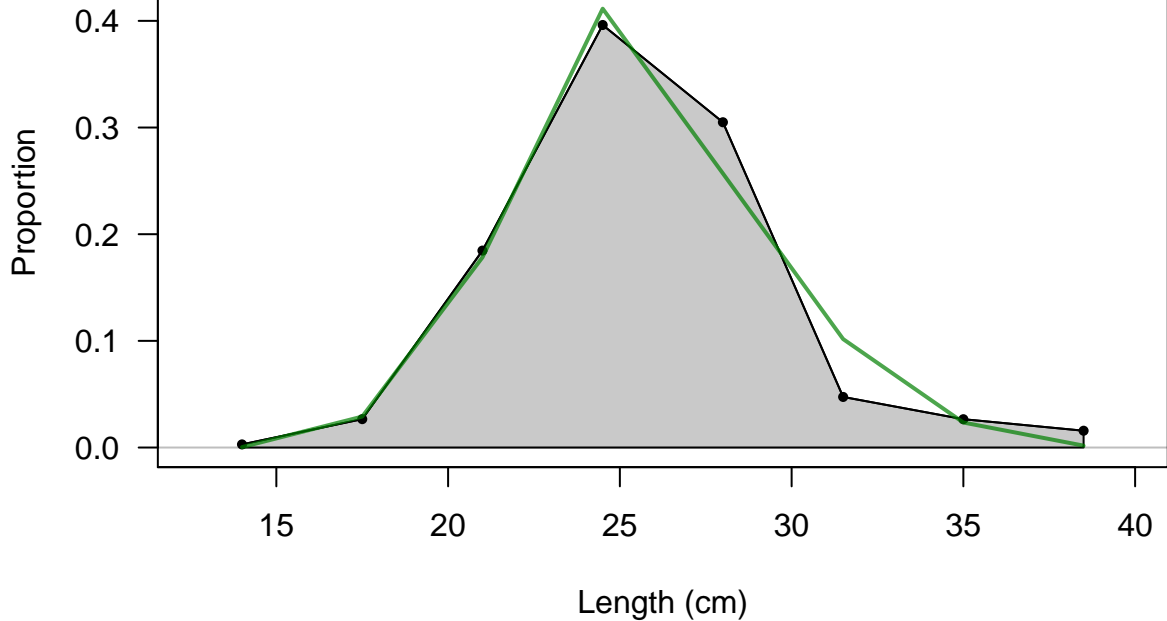


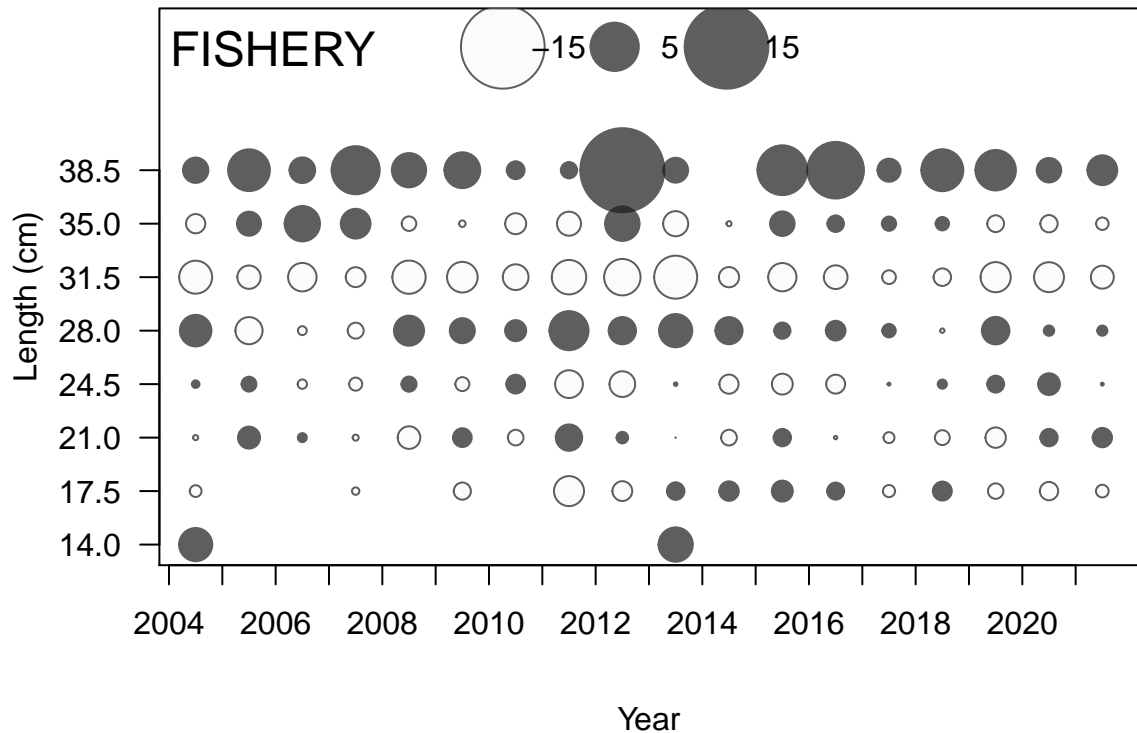
FISHERY (whole catch)



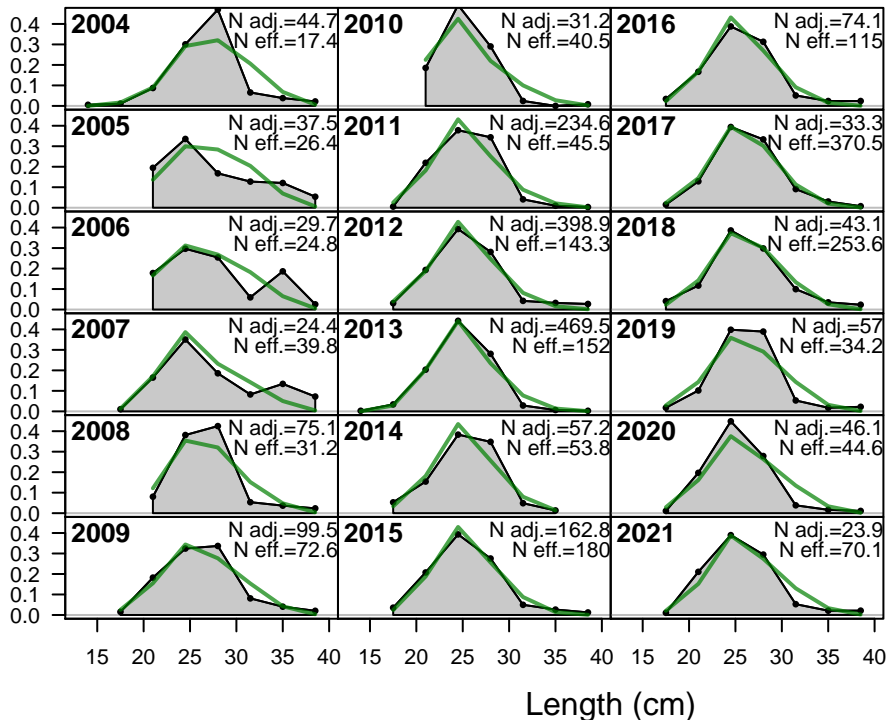
FISHERY

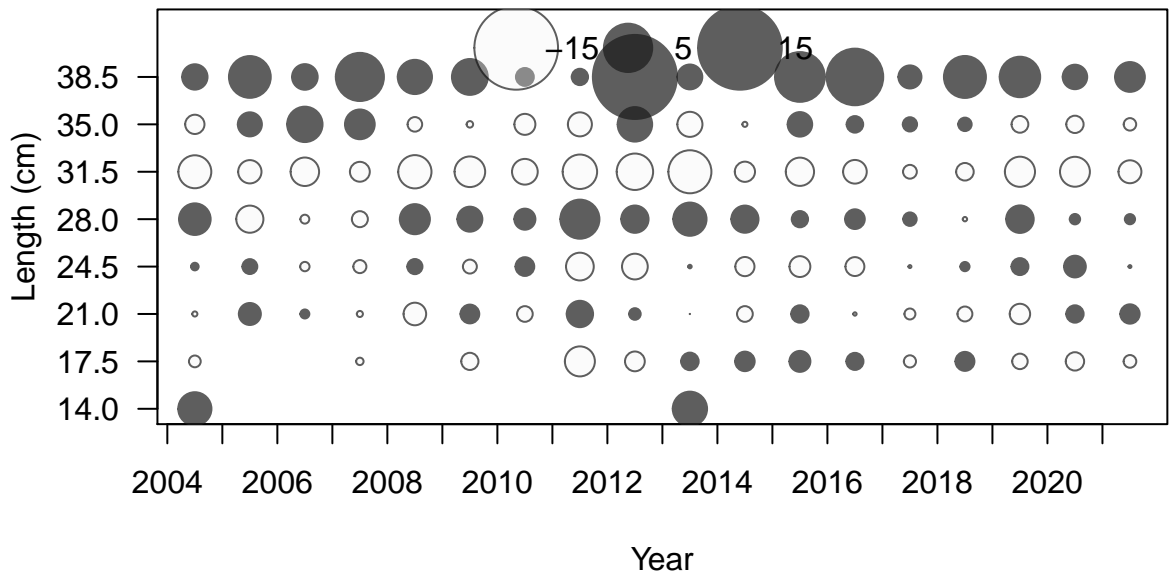
Sum of N adj.=1942.8
Sum of N eff.=1715.2



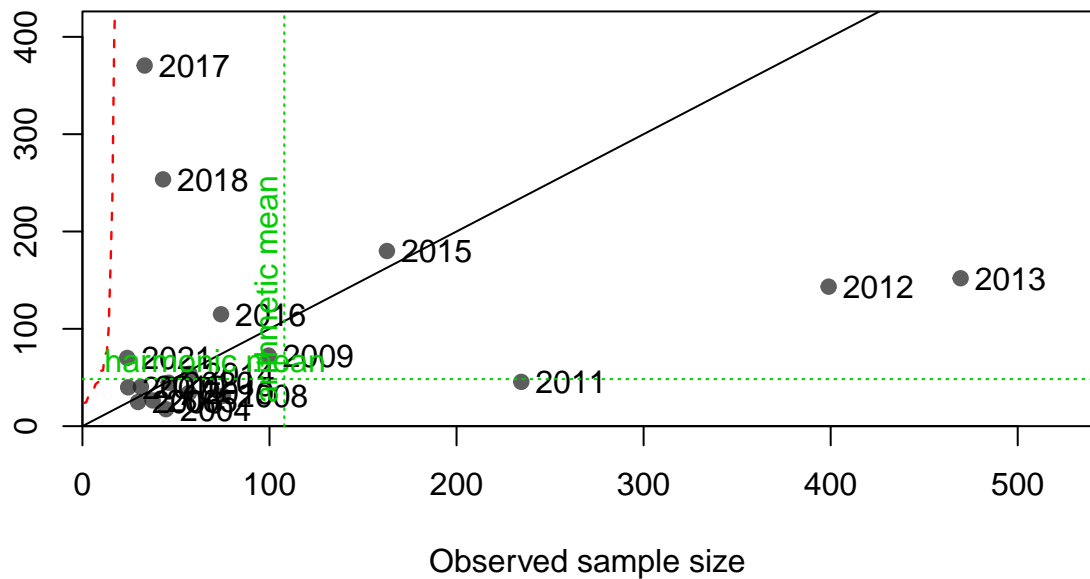


Proportion

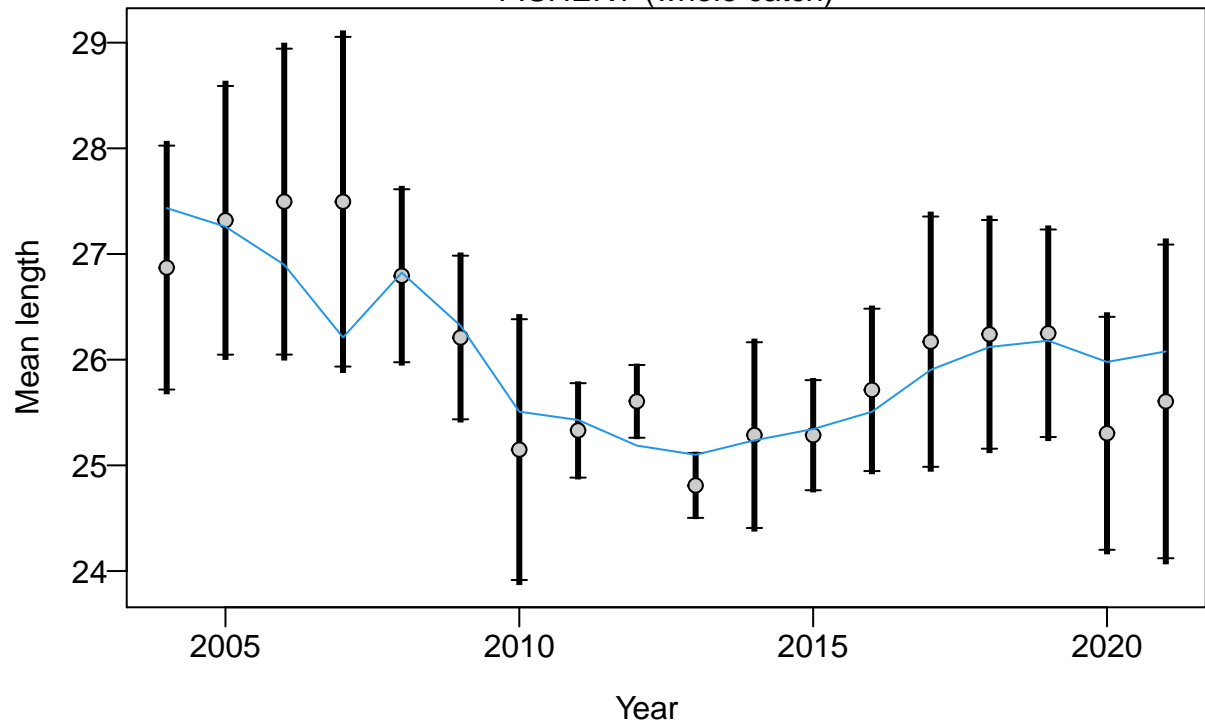


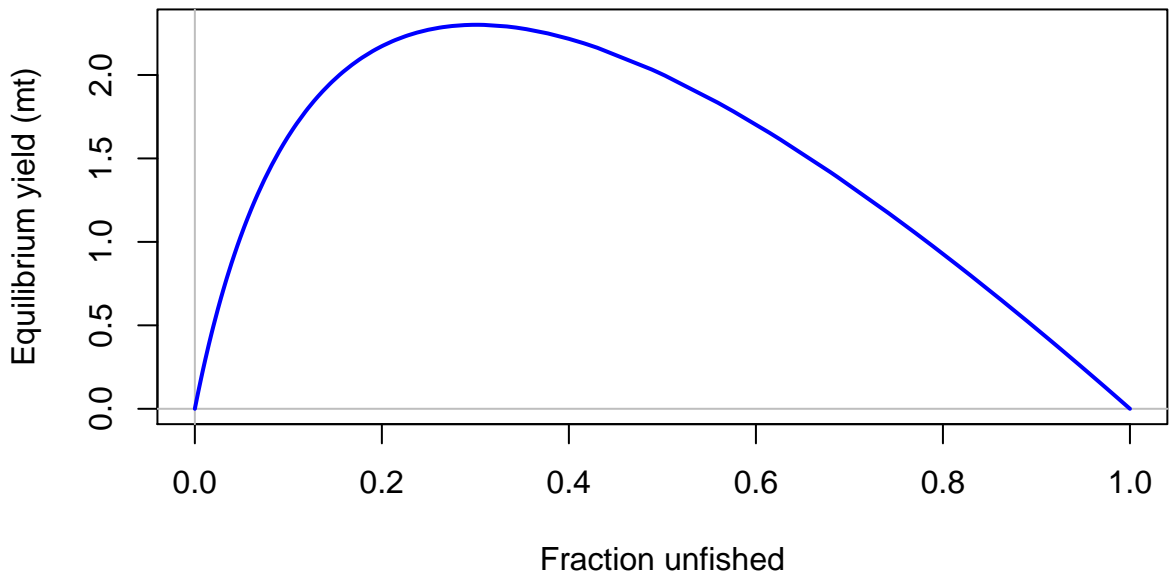


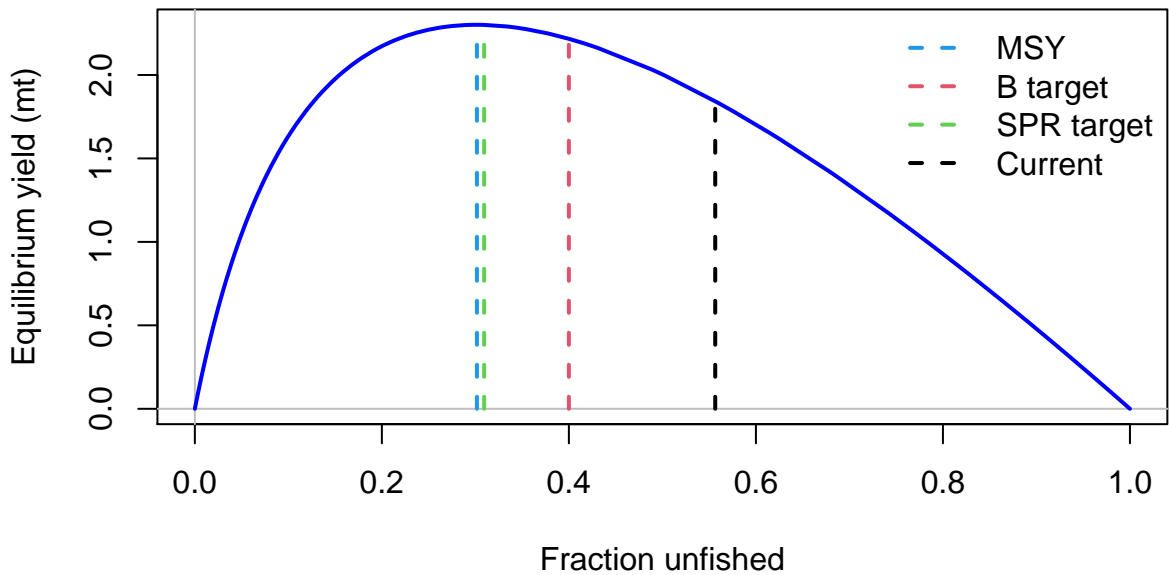
Effective sample size

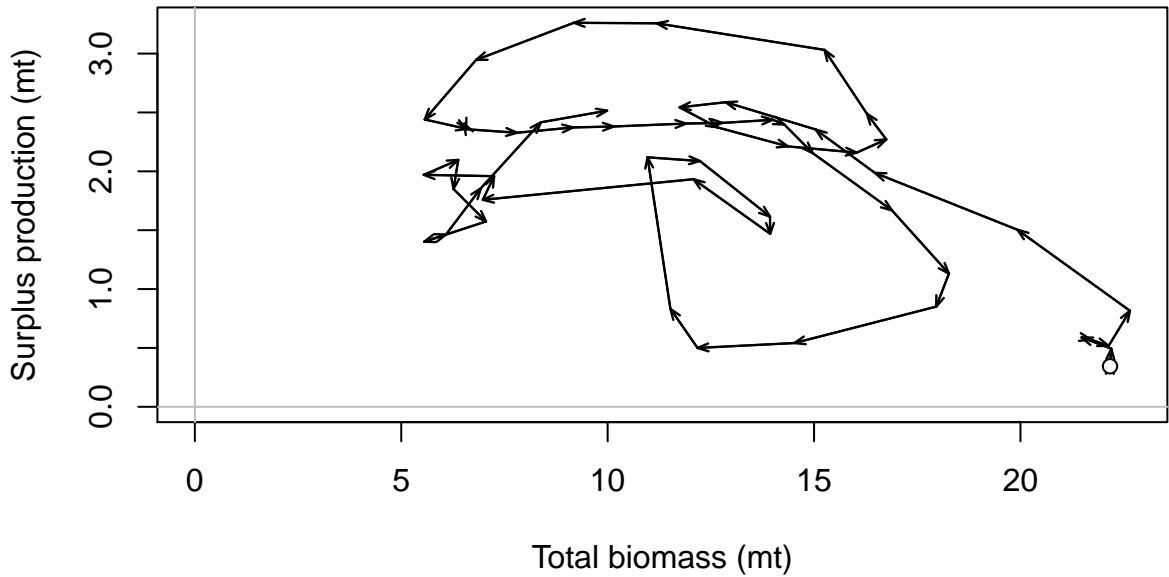


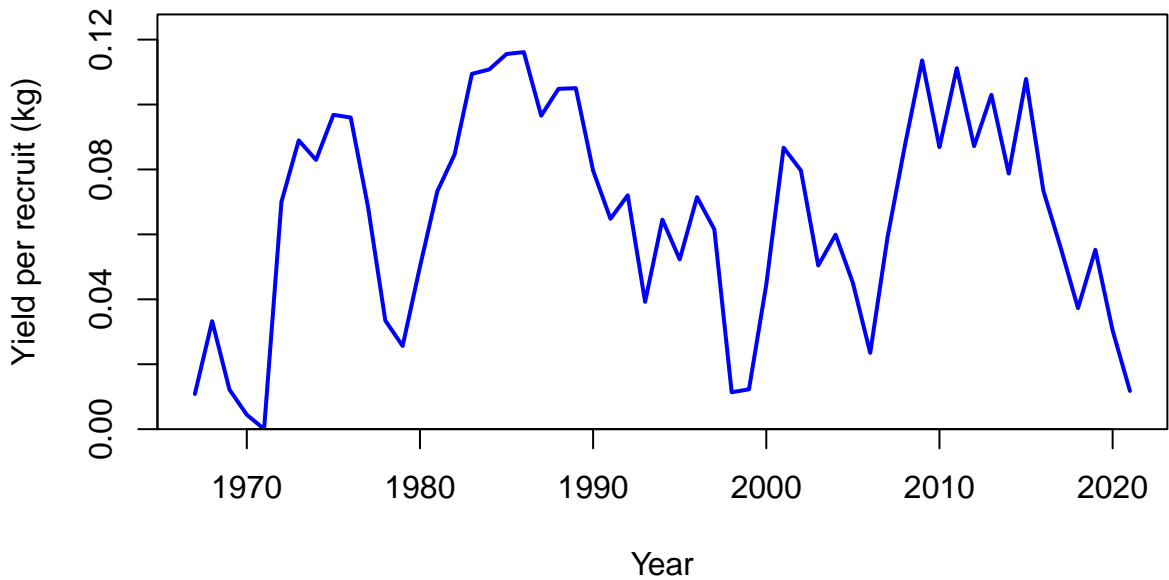
FISHERY (whole catch)



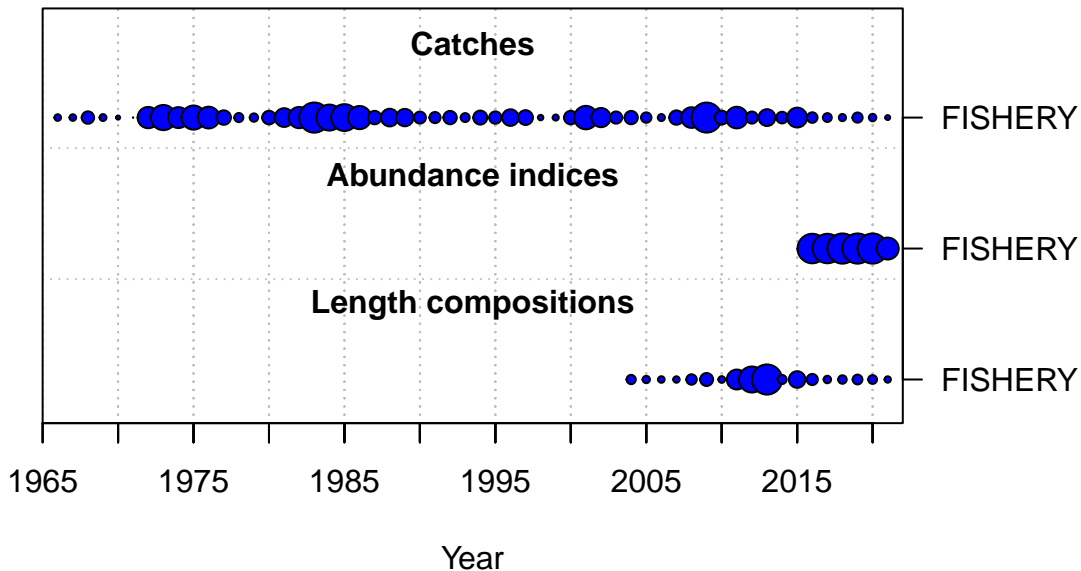




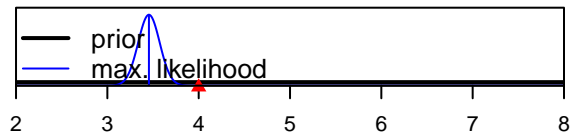




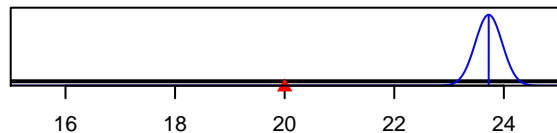




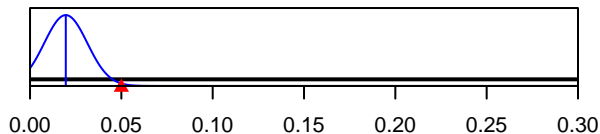
SR_LN(R0)



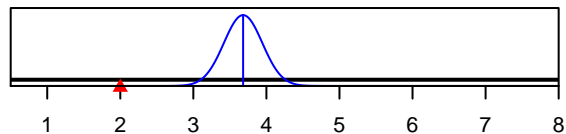
Size_inflection_FISHERY(1)



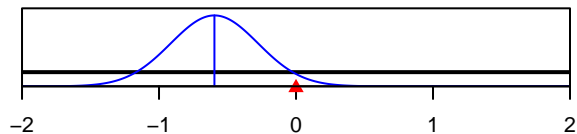
InitF_seas_1_flt_1FISHERY



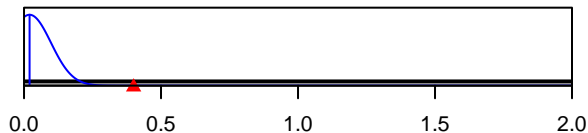
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



Q_extraSD_FISHERY(1)



Parameter value