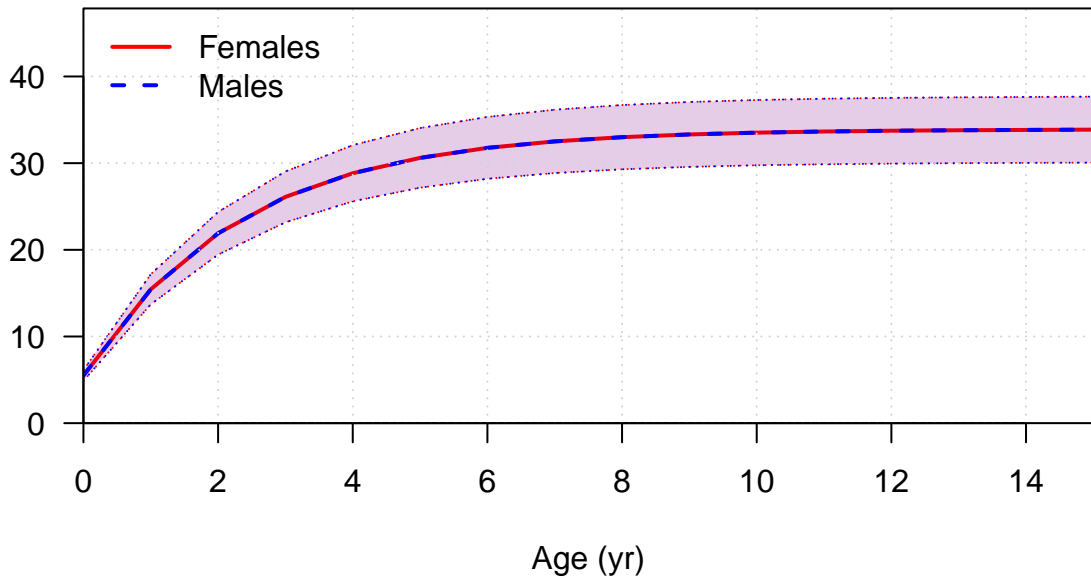
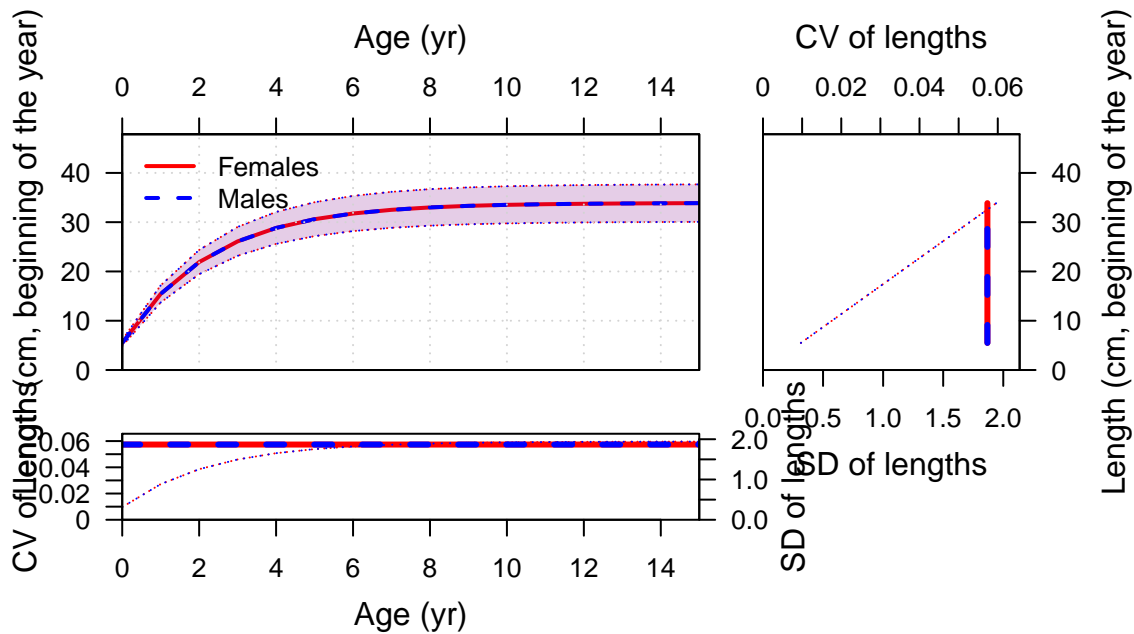
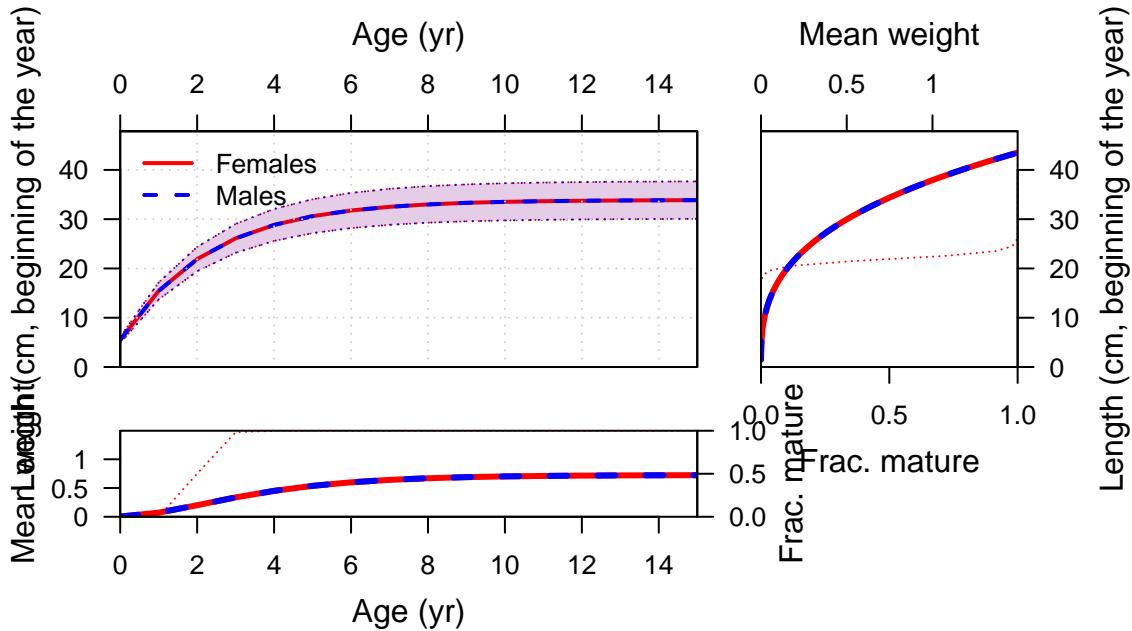


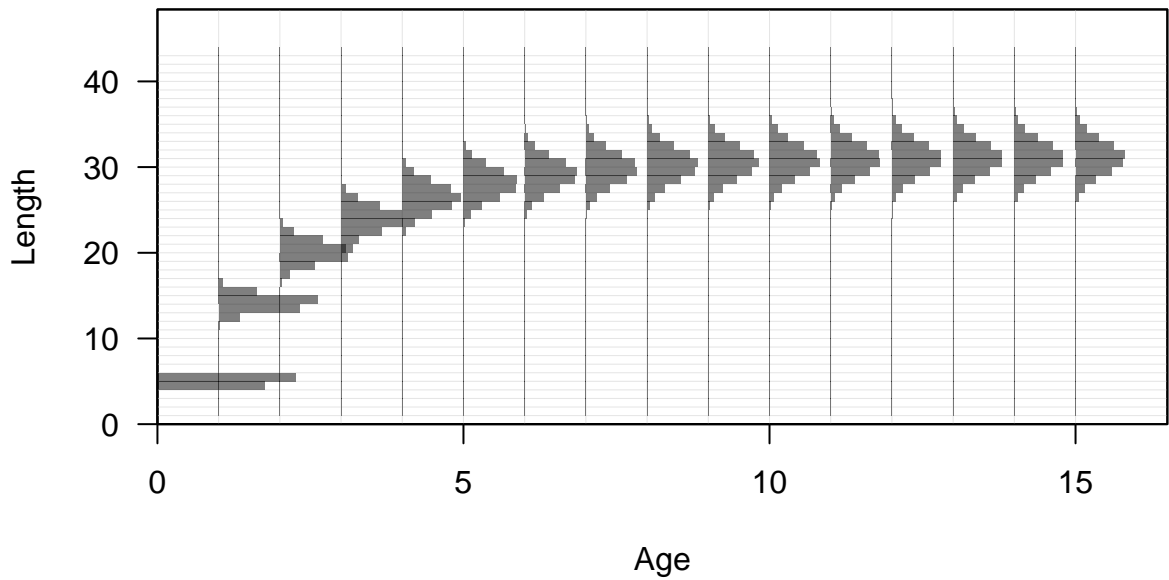
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Jan 24 12:11:37 2023
Data_File: data.ss
Control_File: control.ss

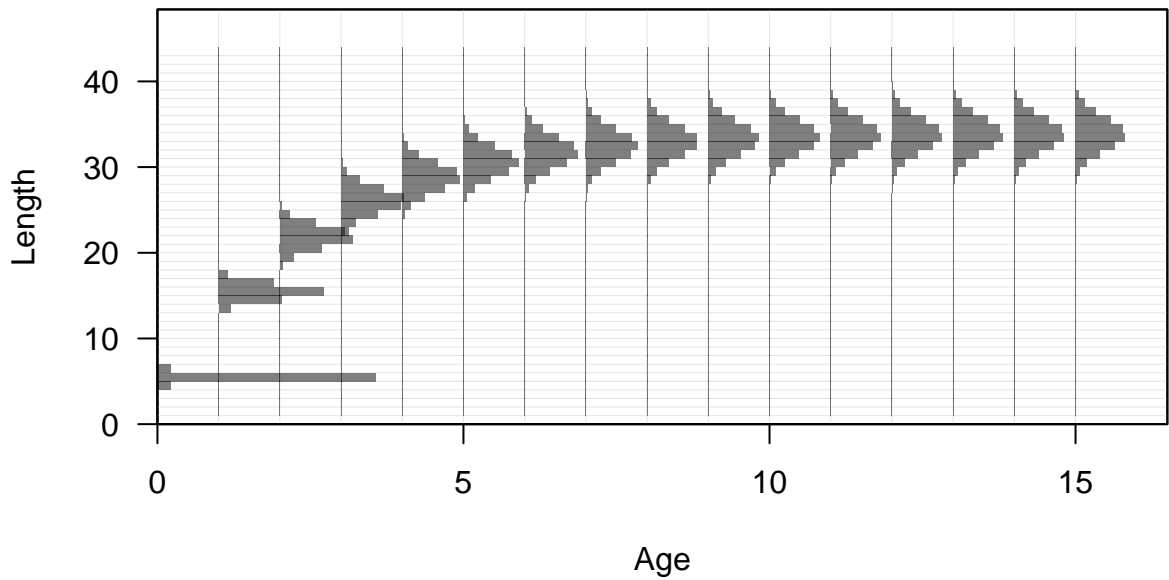
Length (cm, beginning of the year)

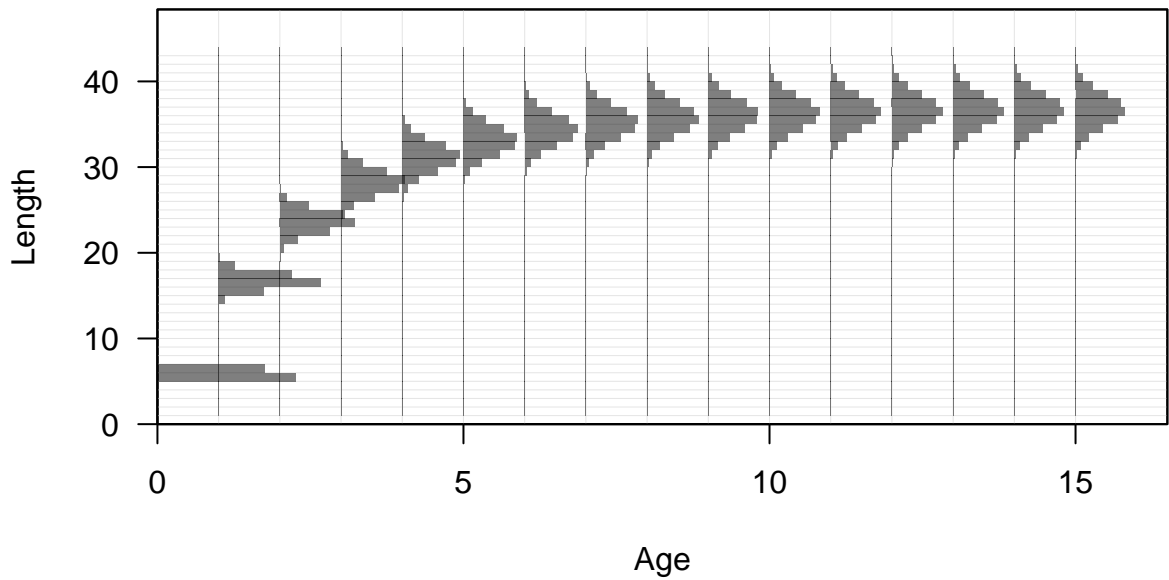


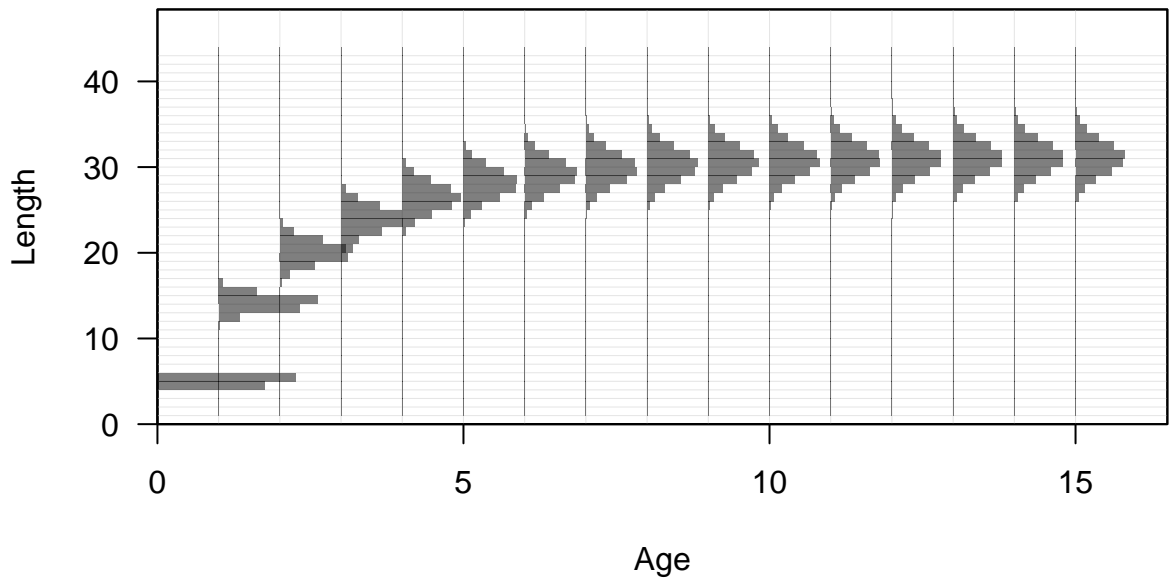


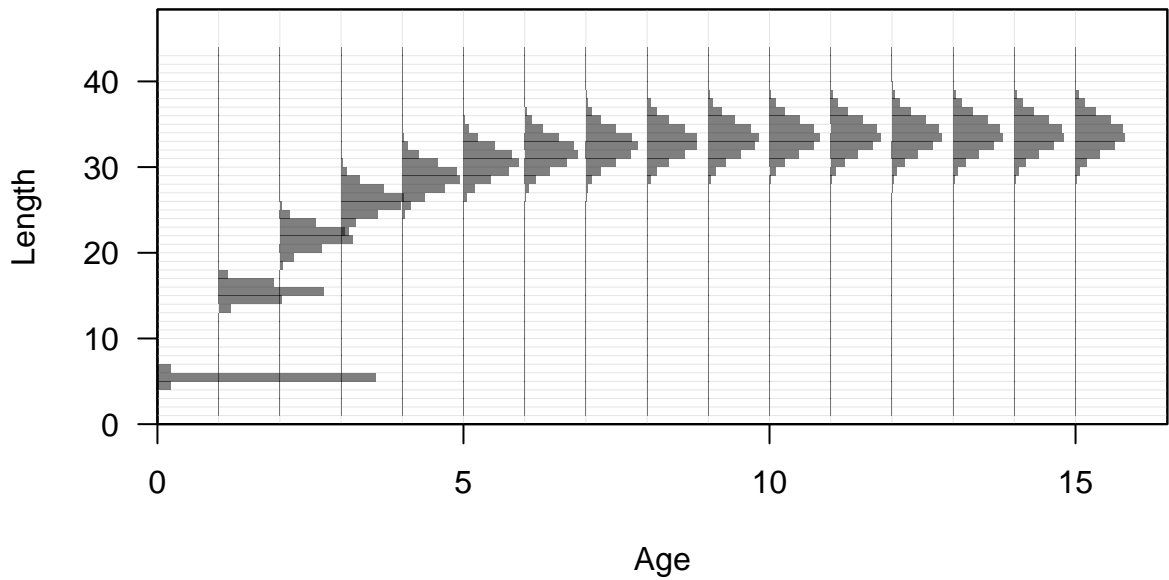


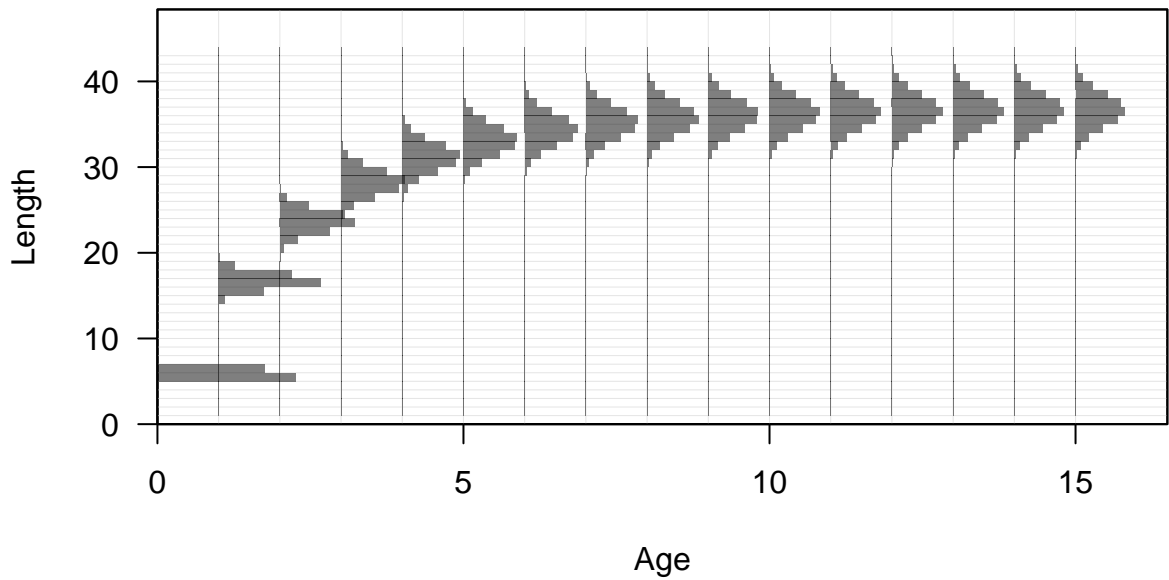


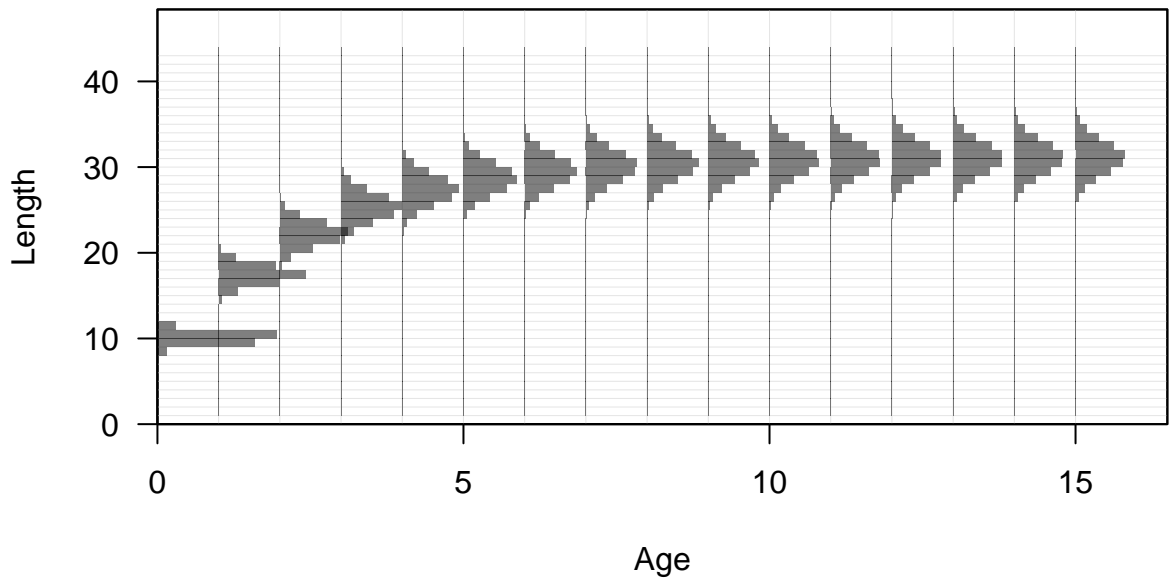


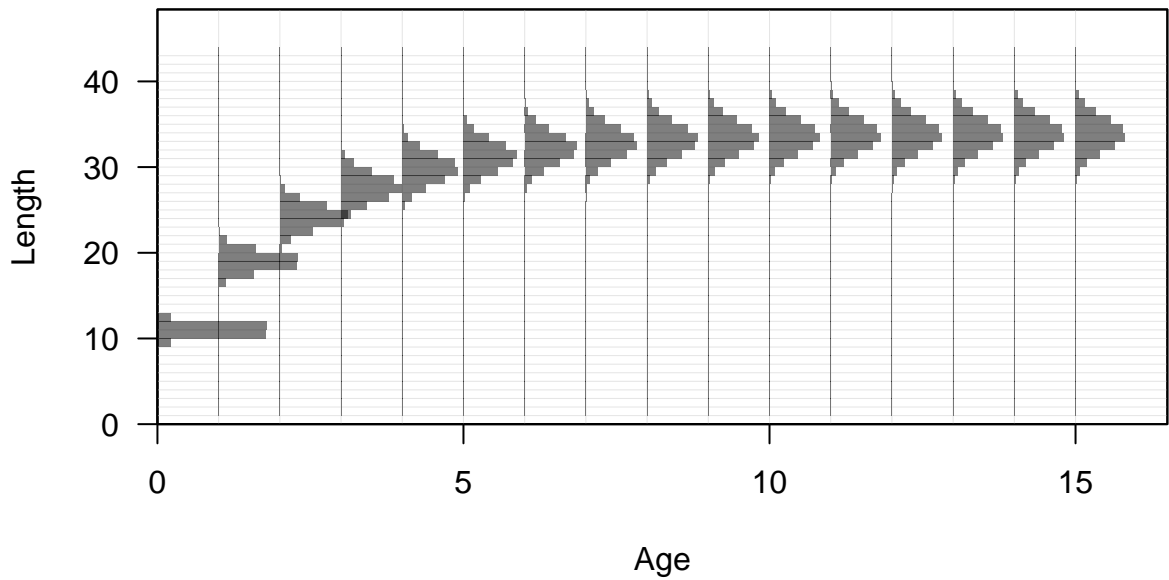


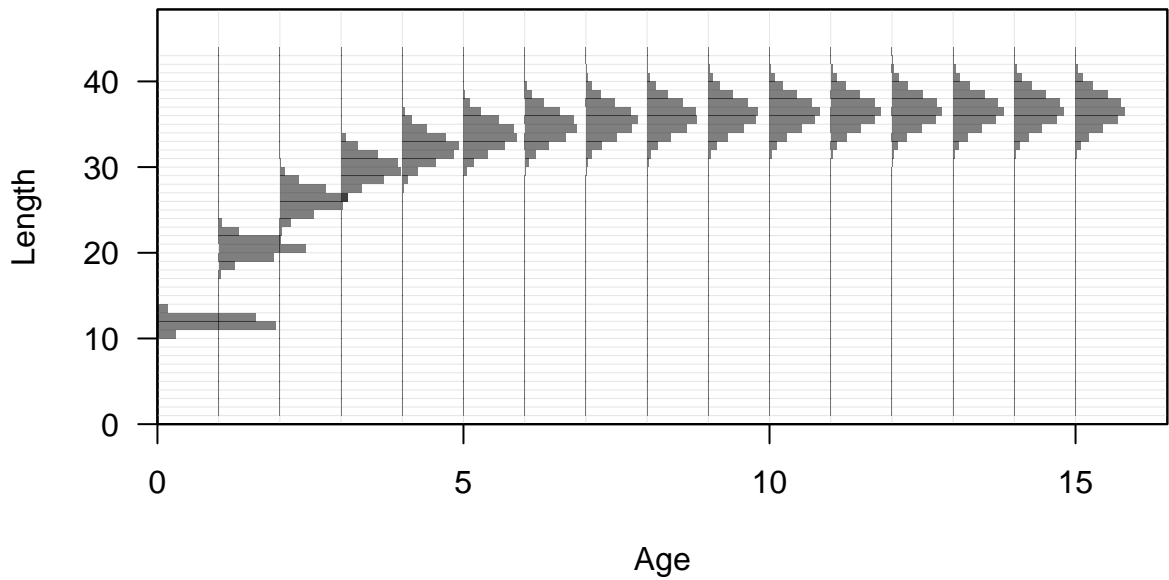


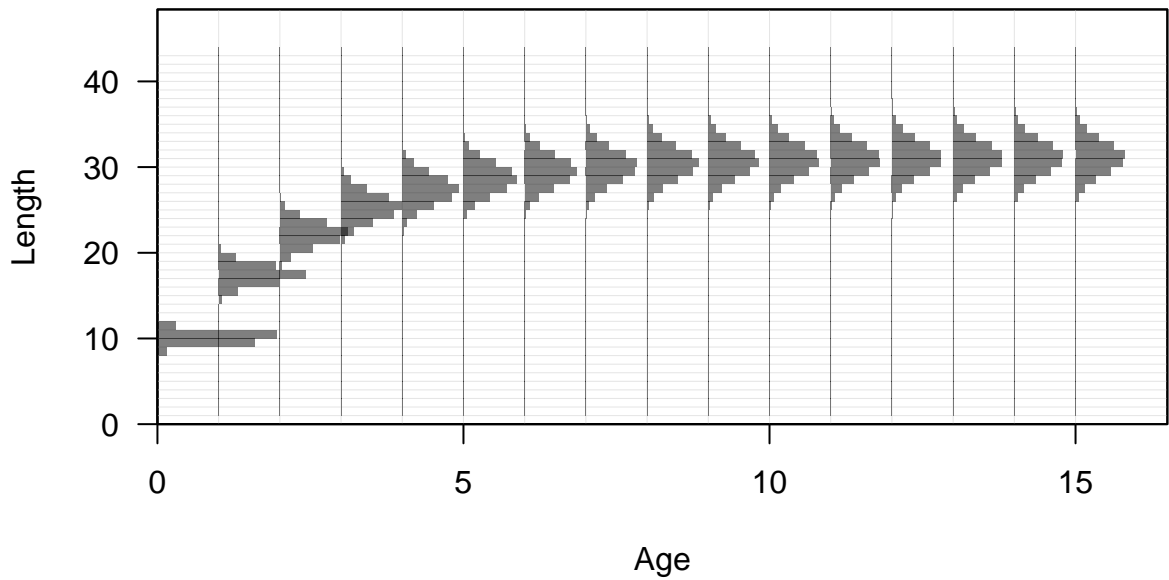


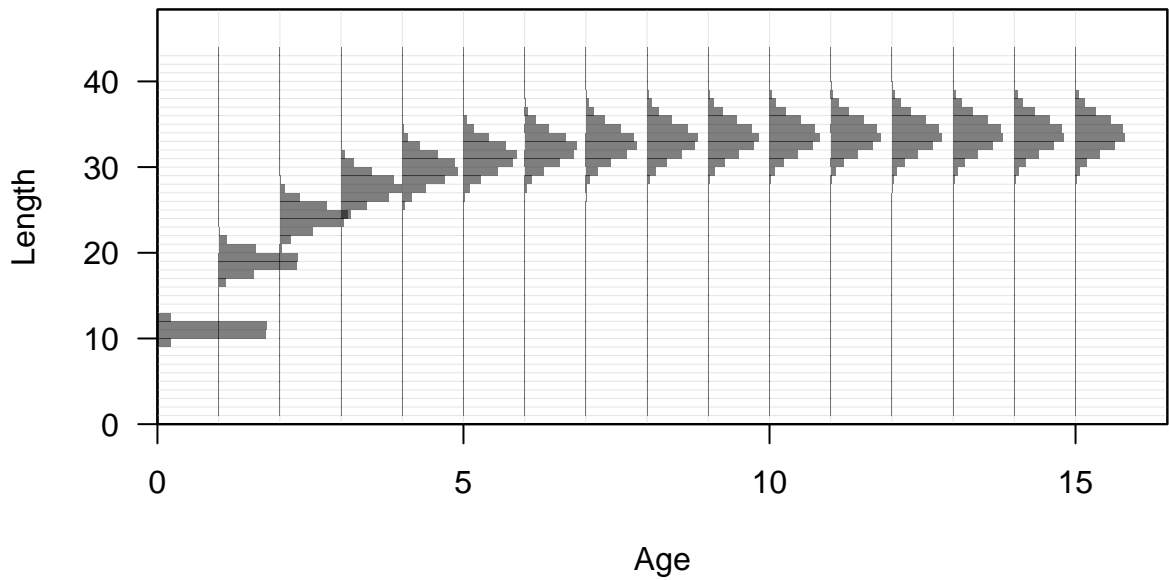


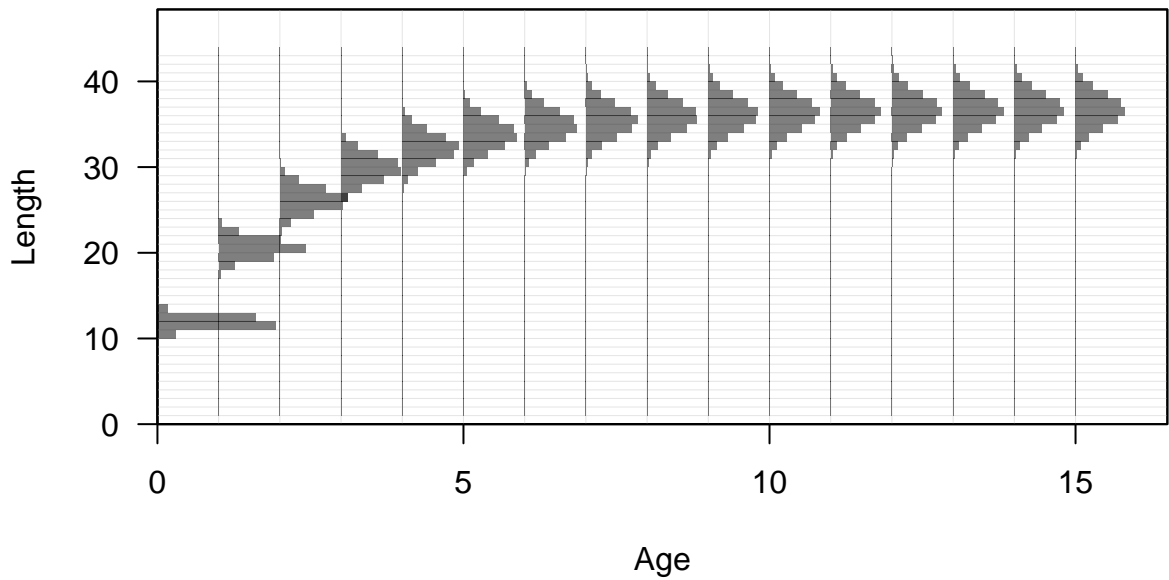


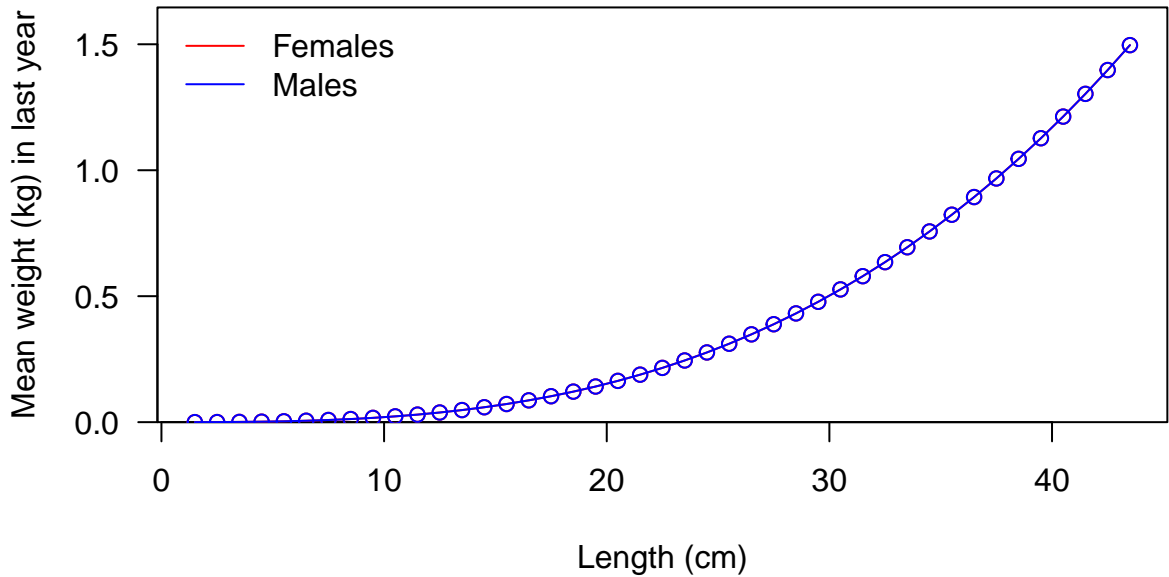


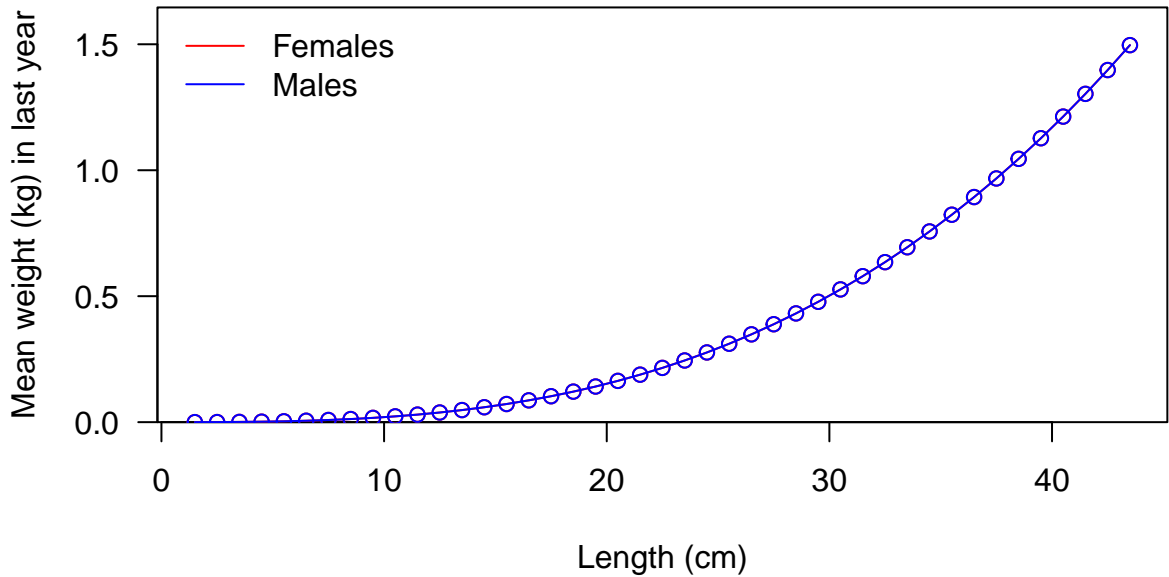


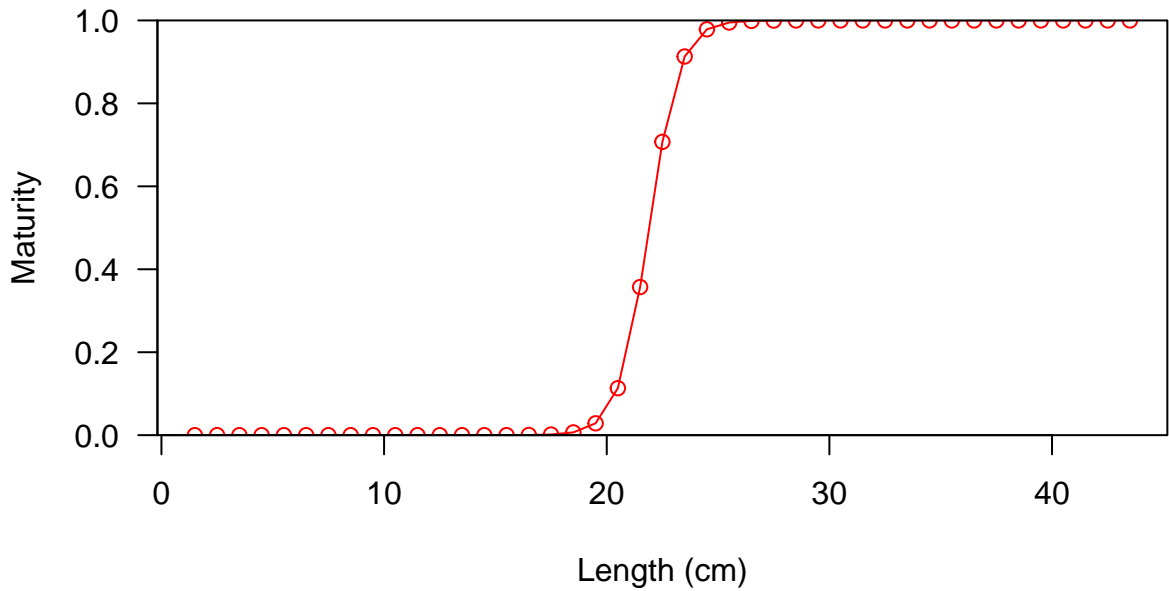


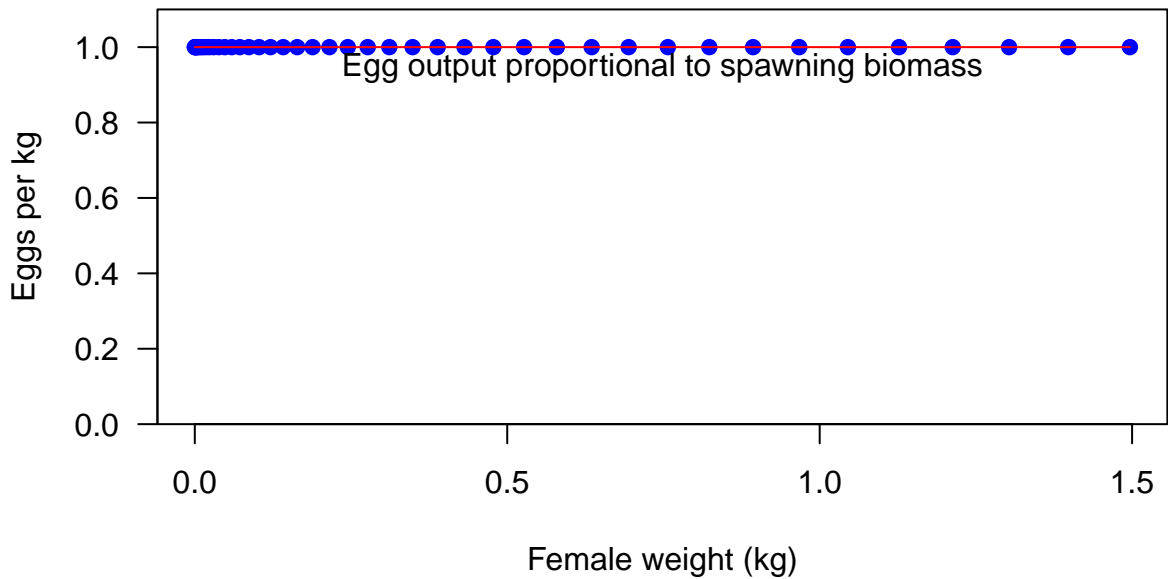


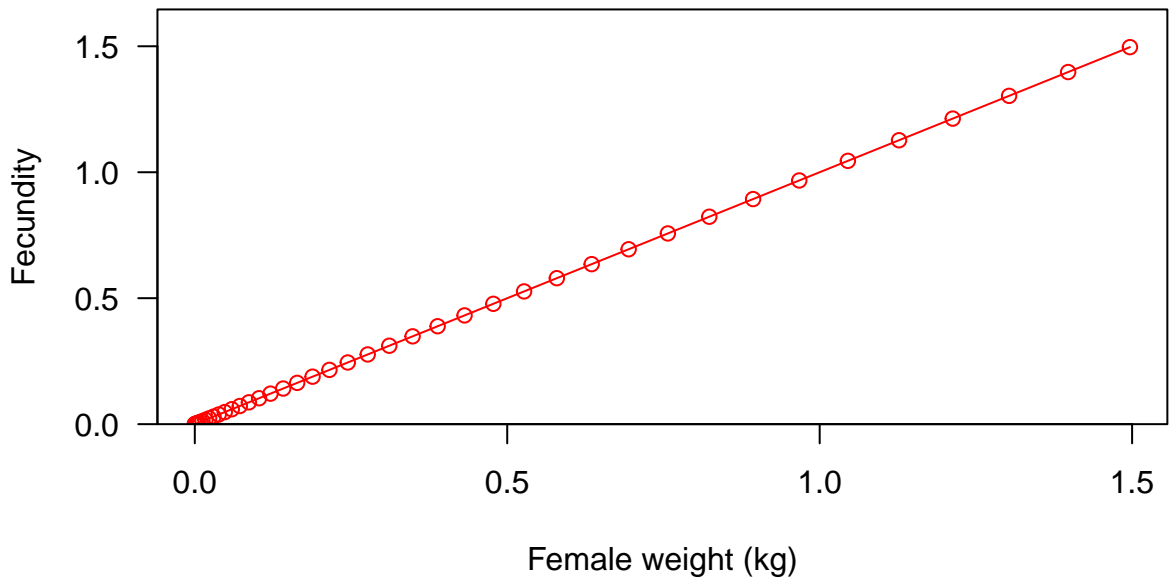


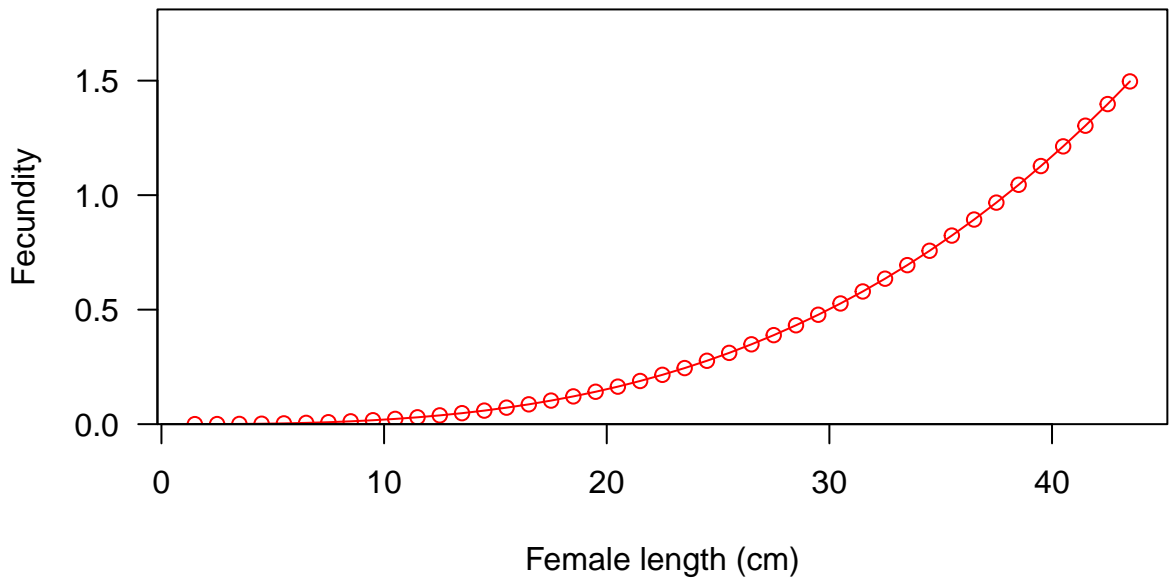


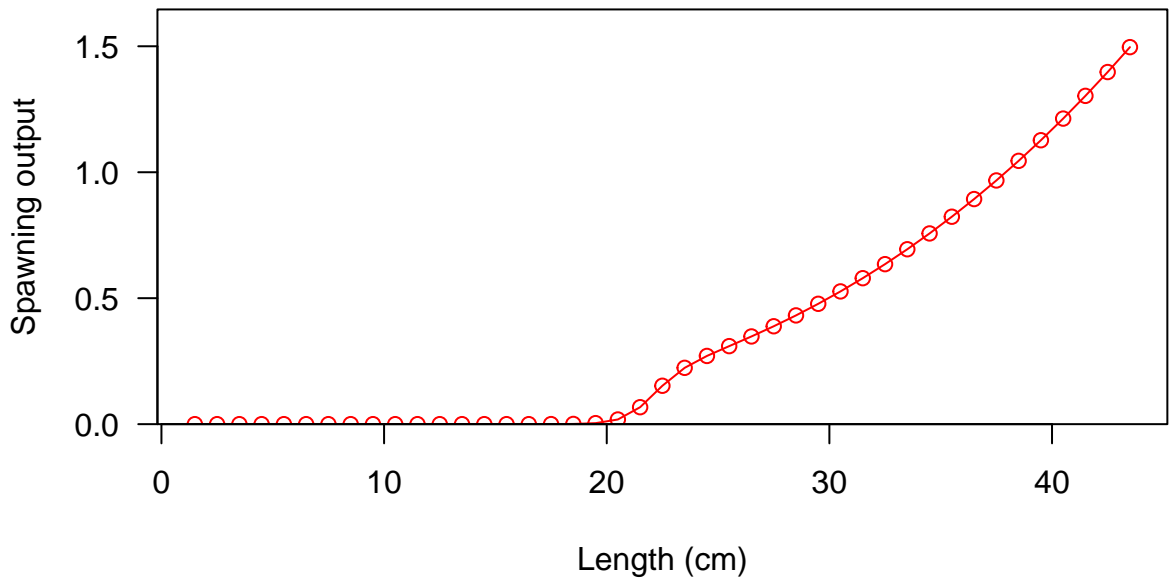


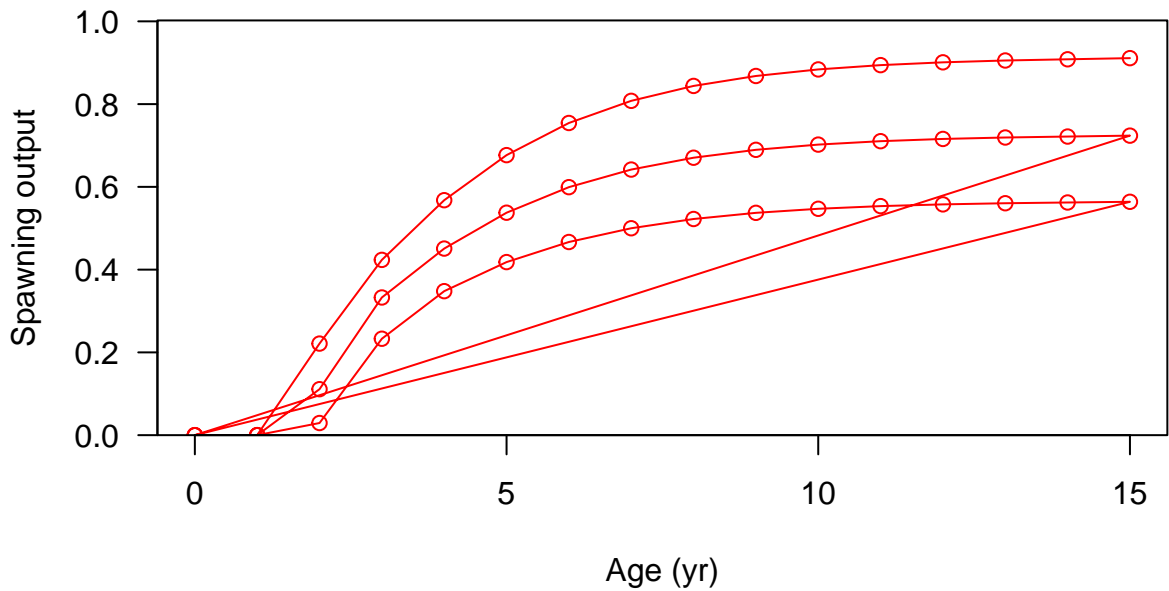




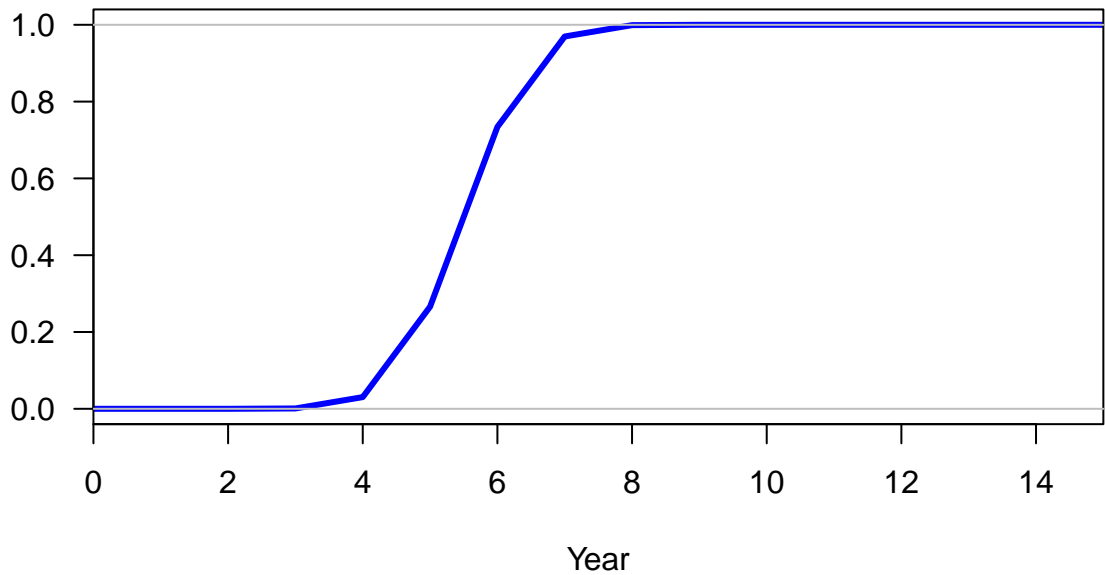




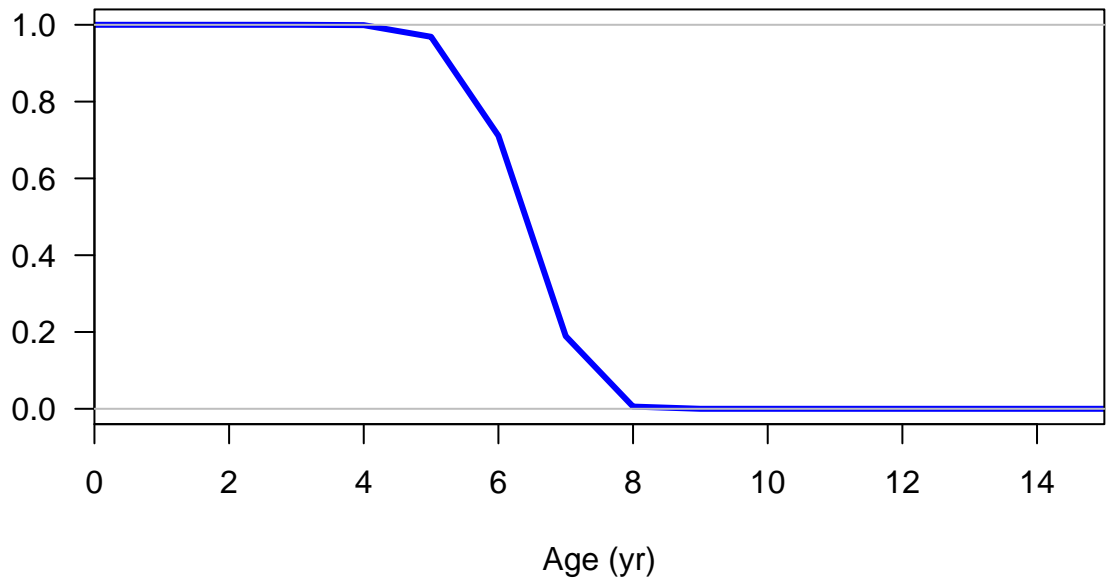




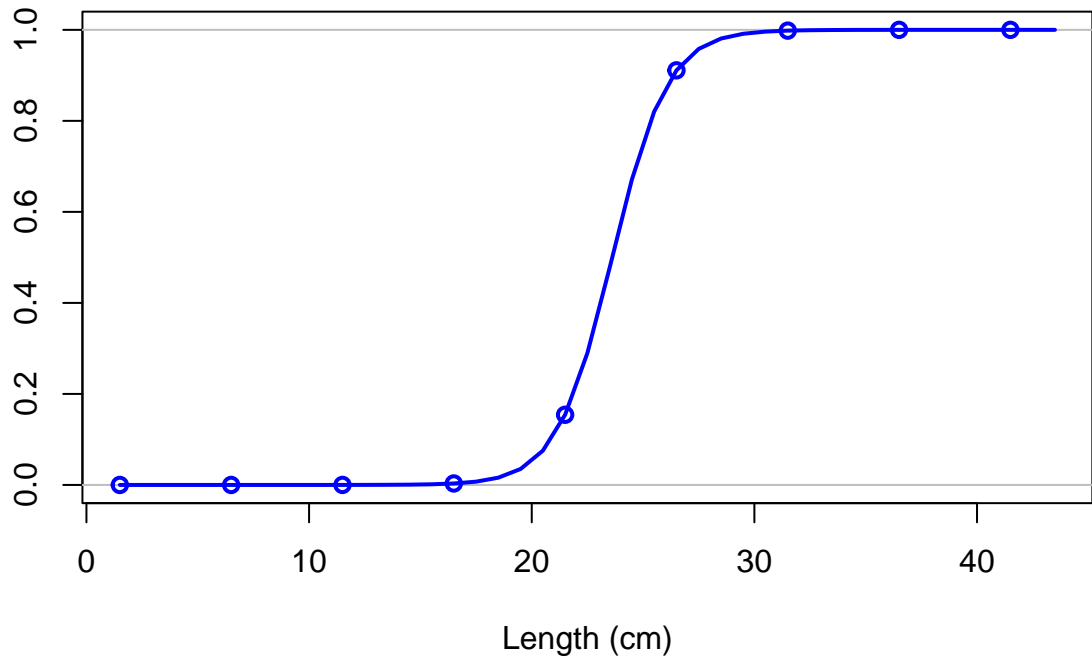
Hermaphroditism transition rate



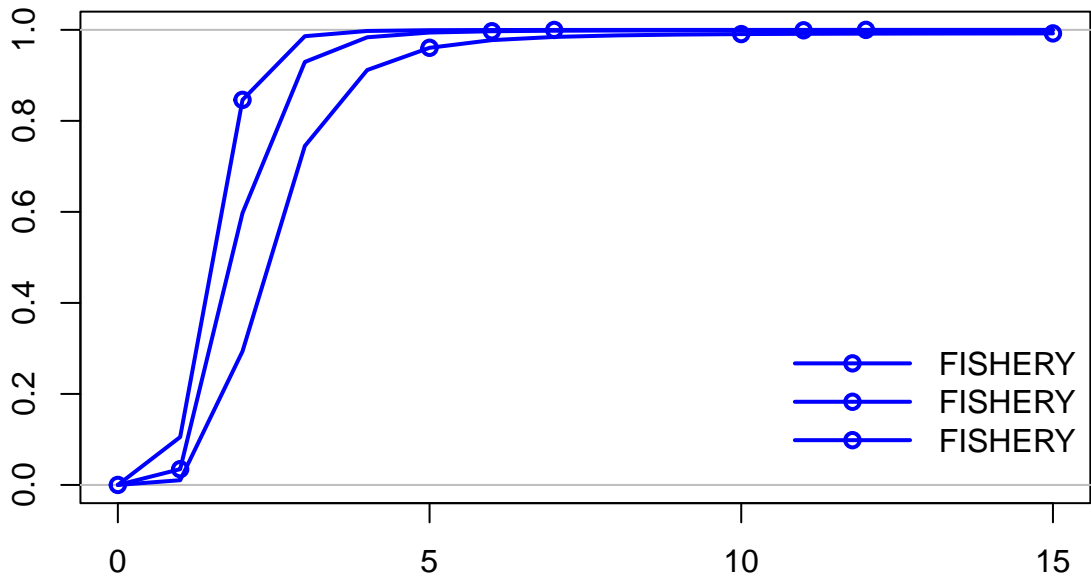
Fraction females by age at equilibrium



Selectivity

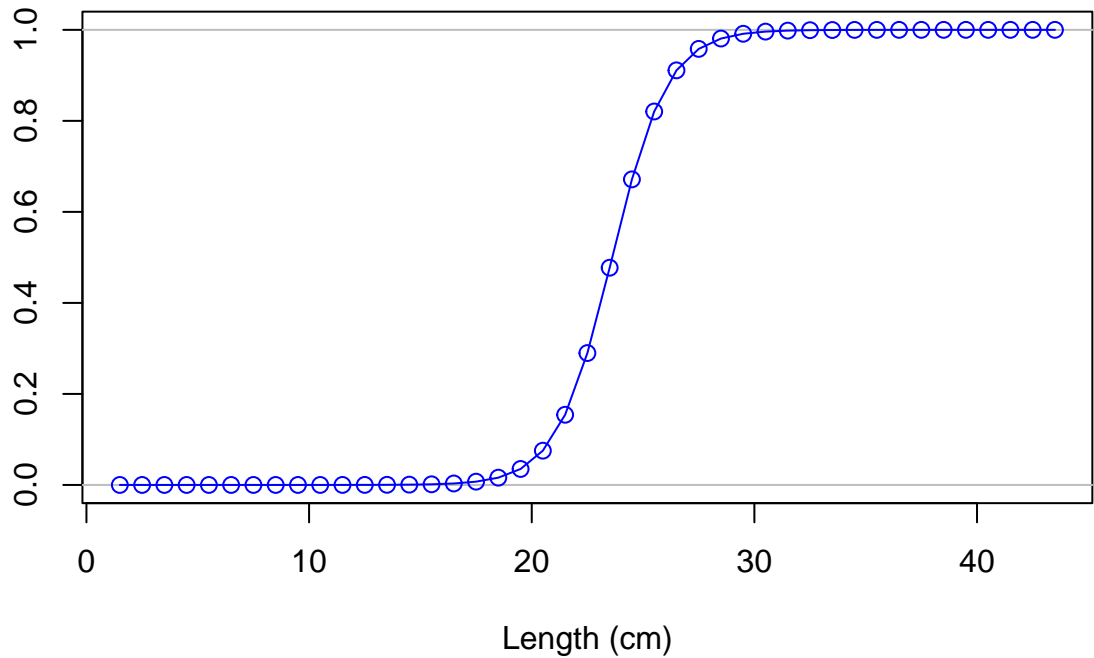


Selectivity

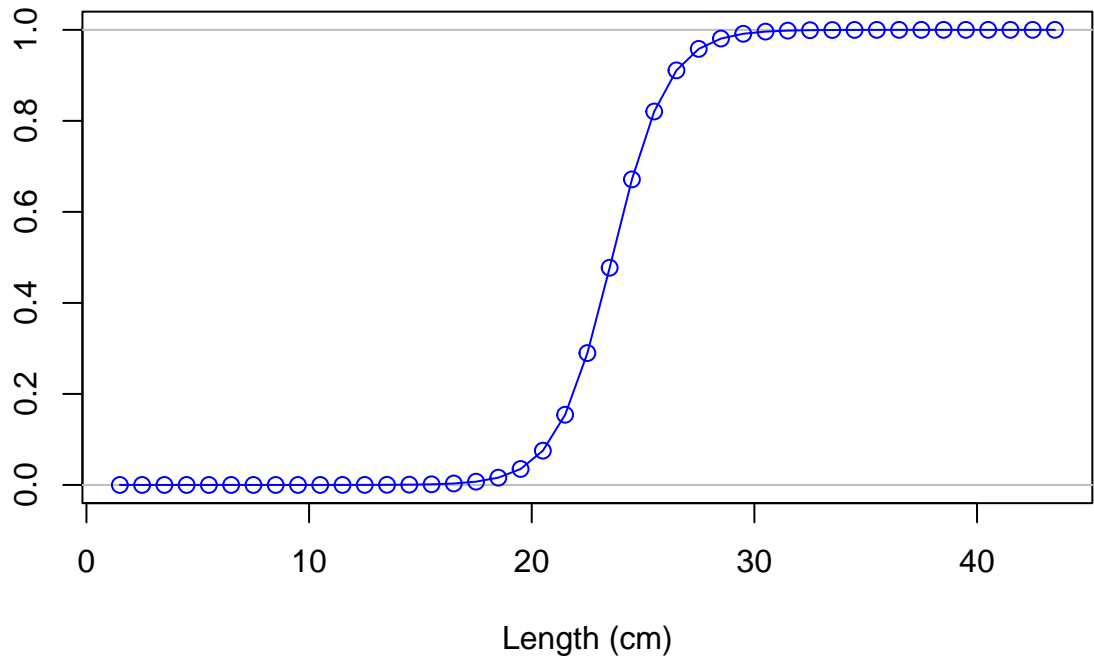


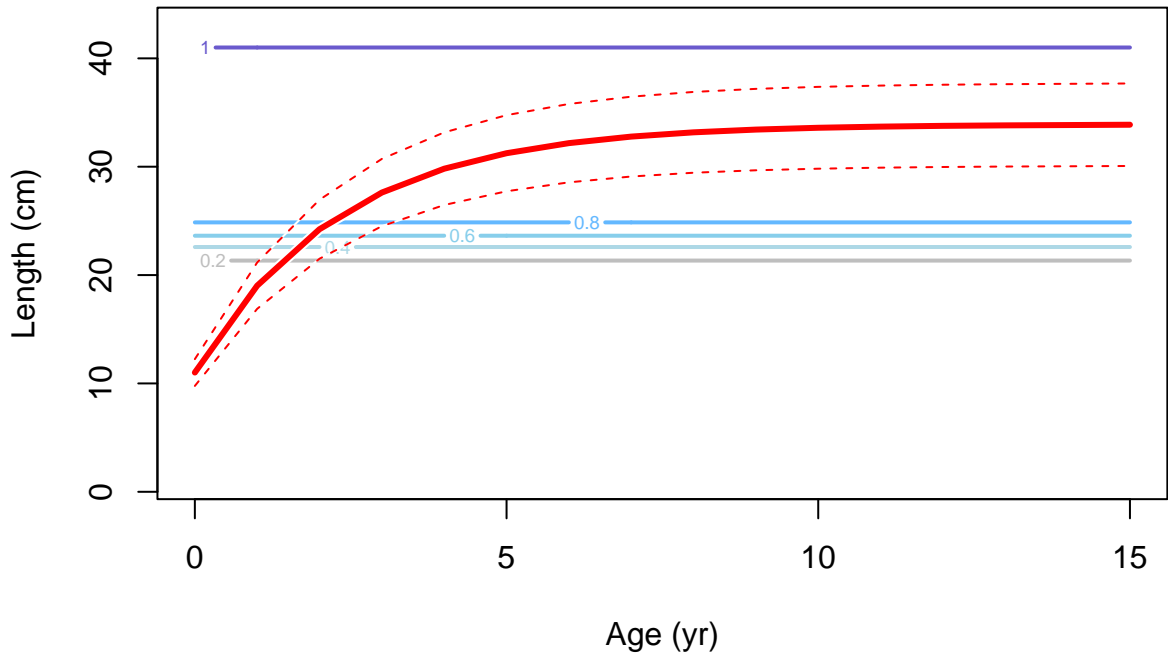
Age (yr)

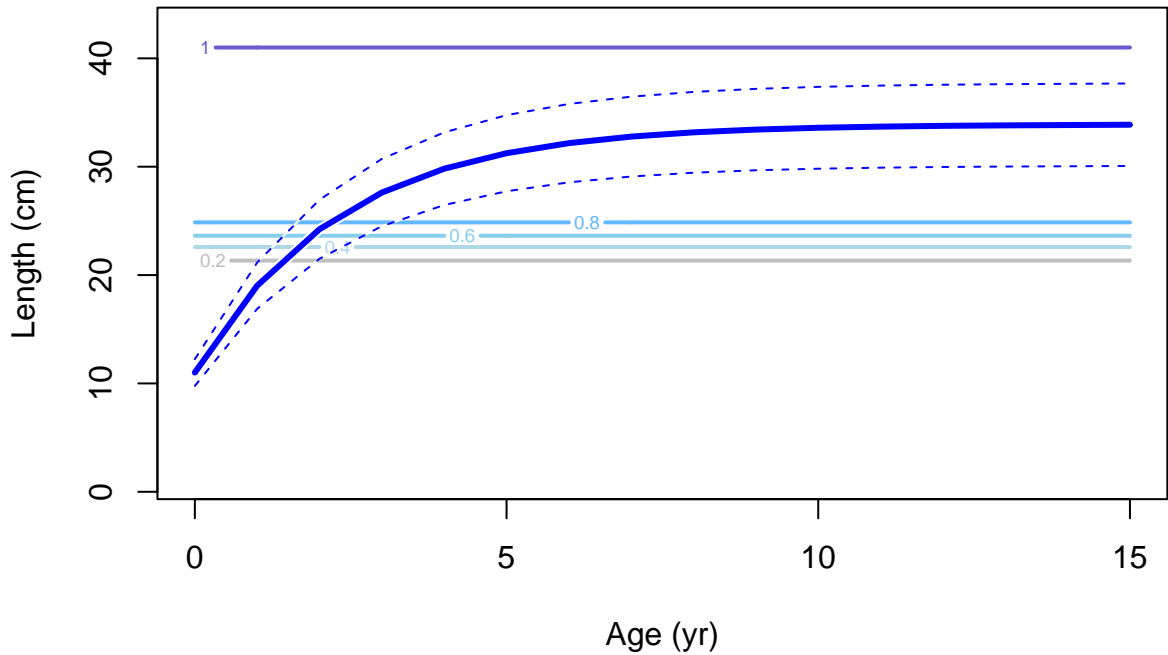
Selectivity

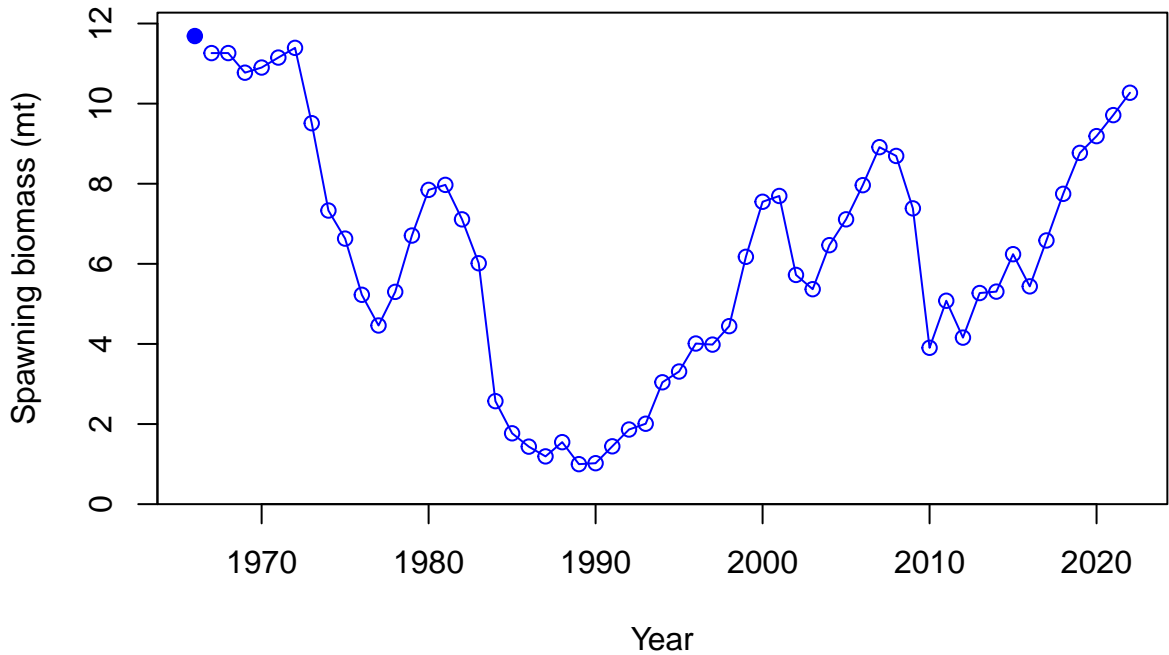


Selectivity

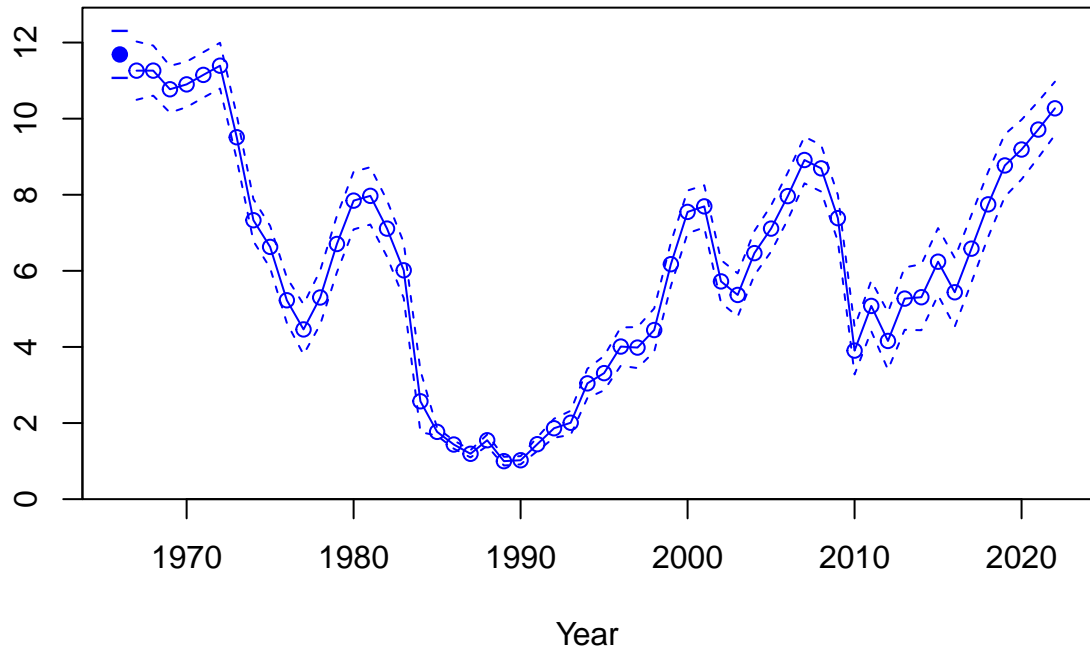




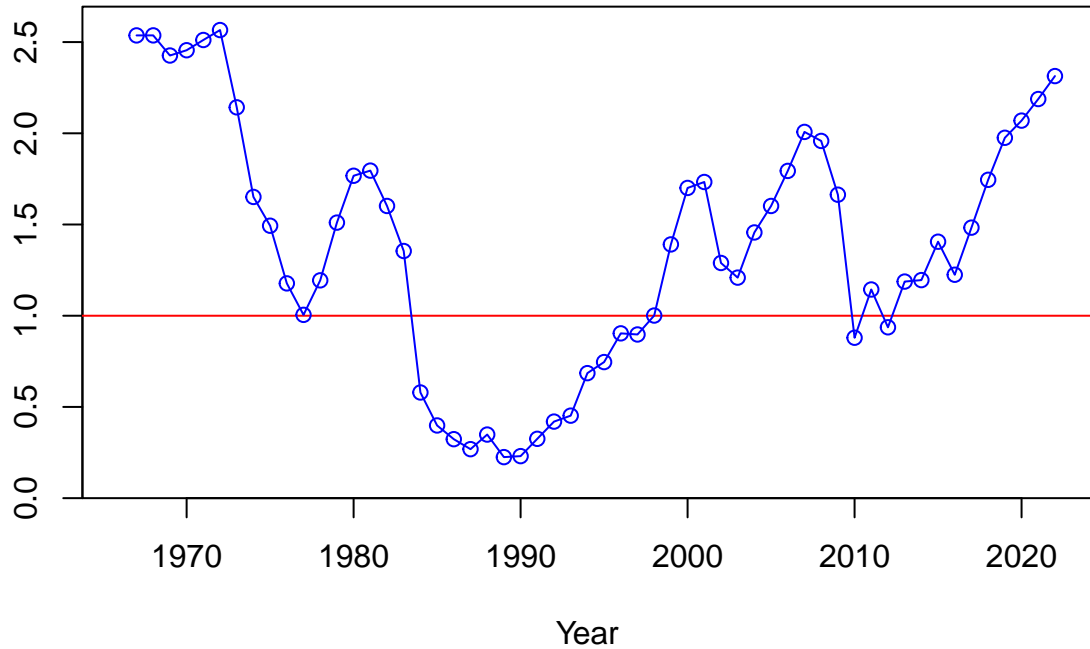




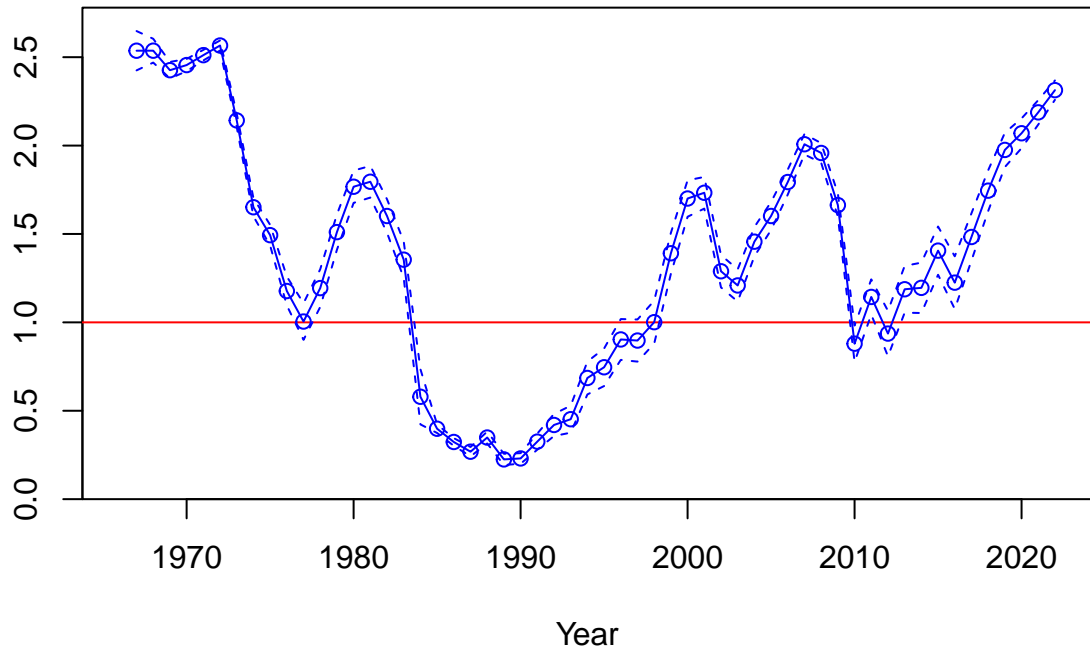
Spawning biomass (mt)

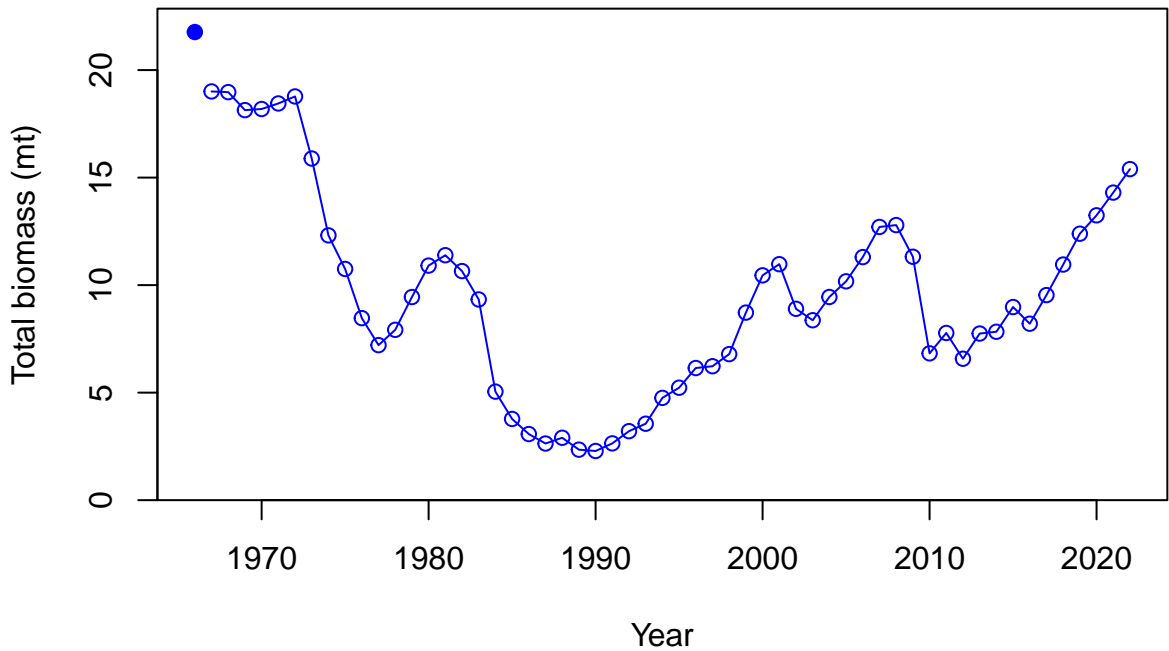


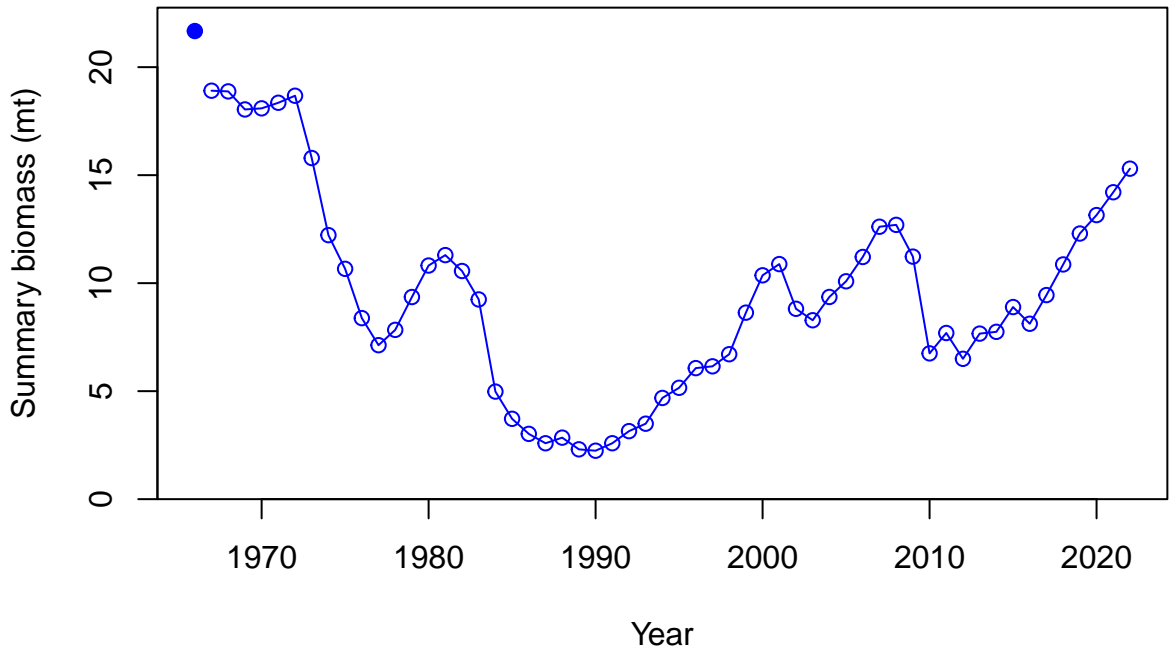
Relative spawning biomass: B/B_{MSY}

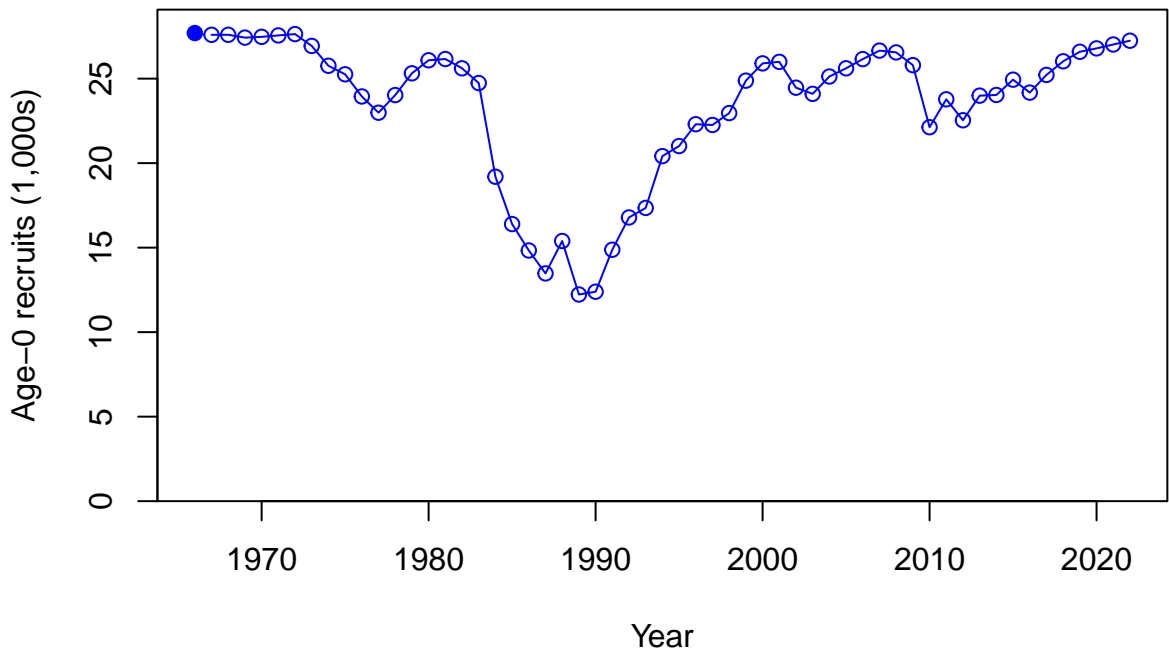


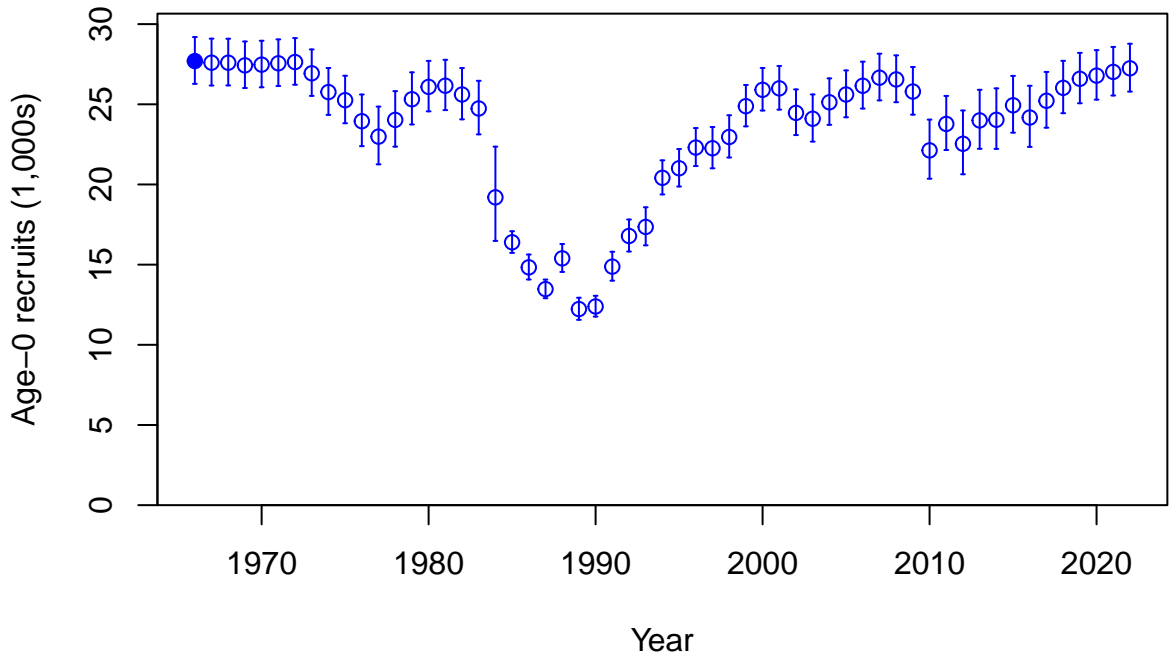
Relative spawning biomass: B/B_{MSY}



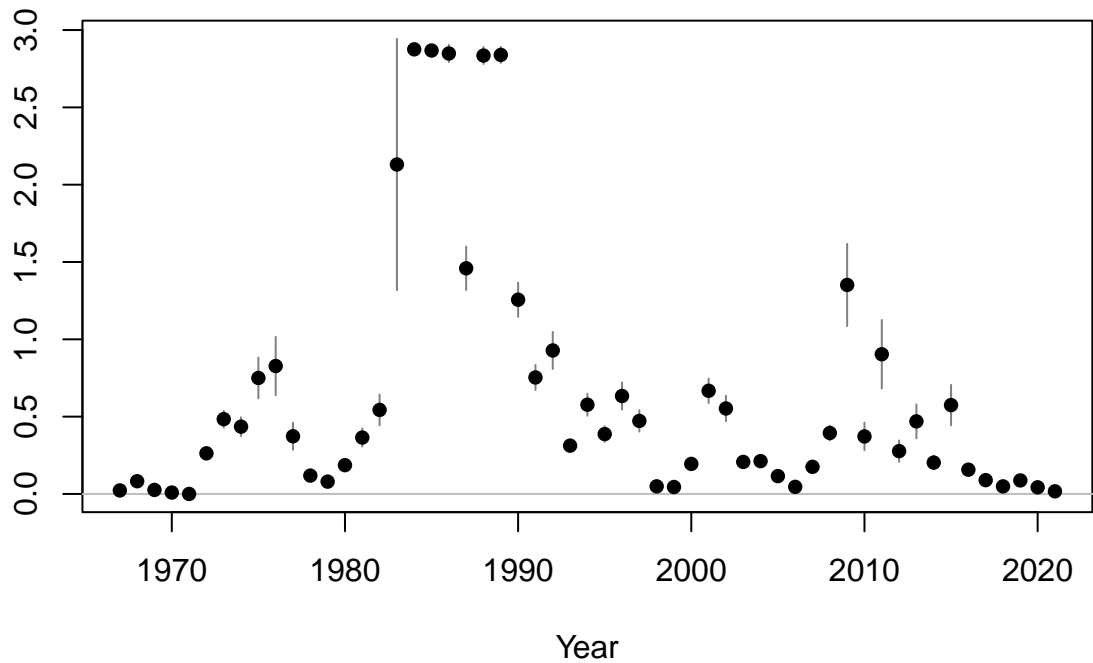


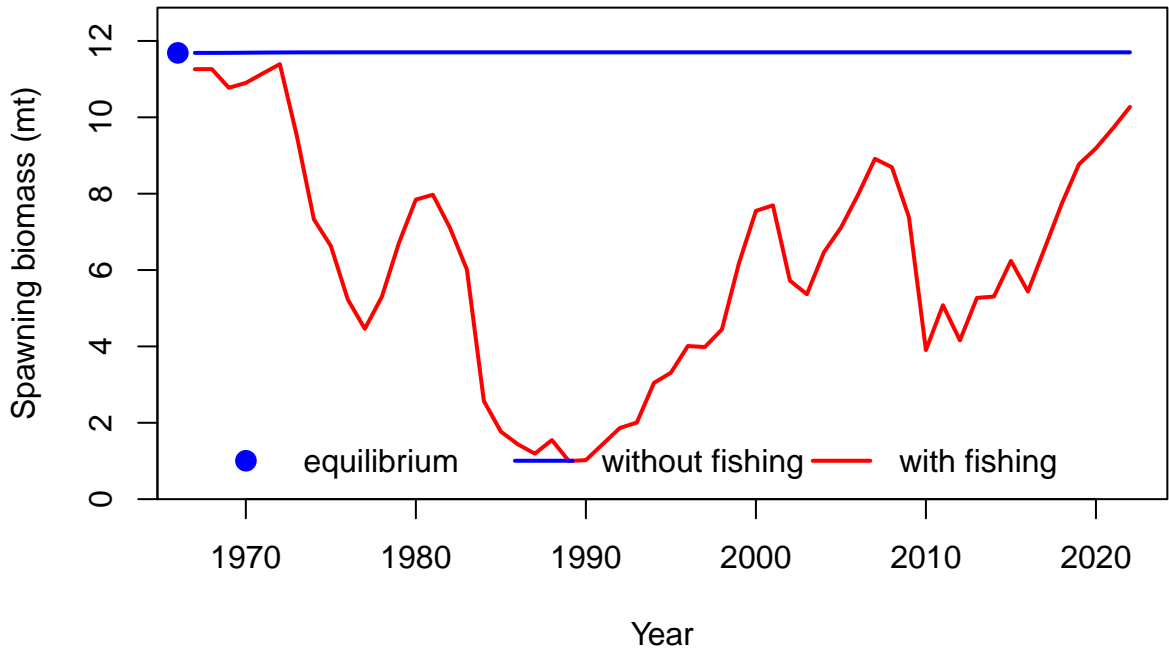




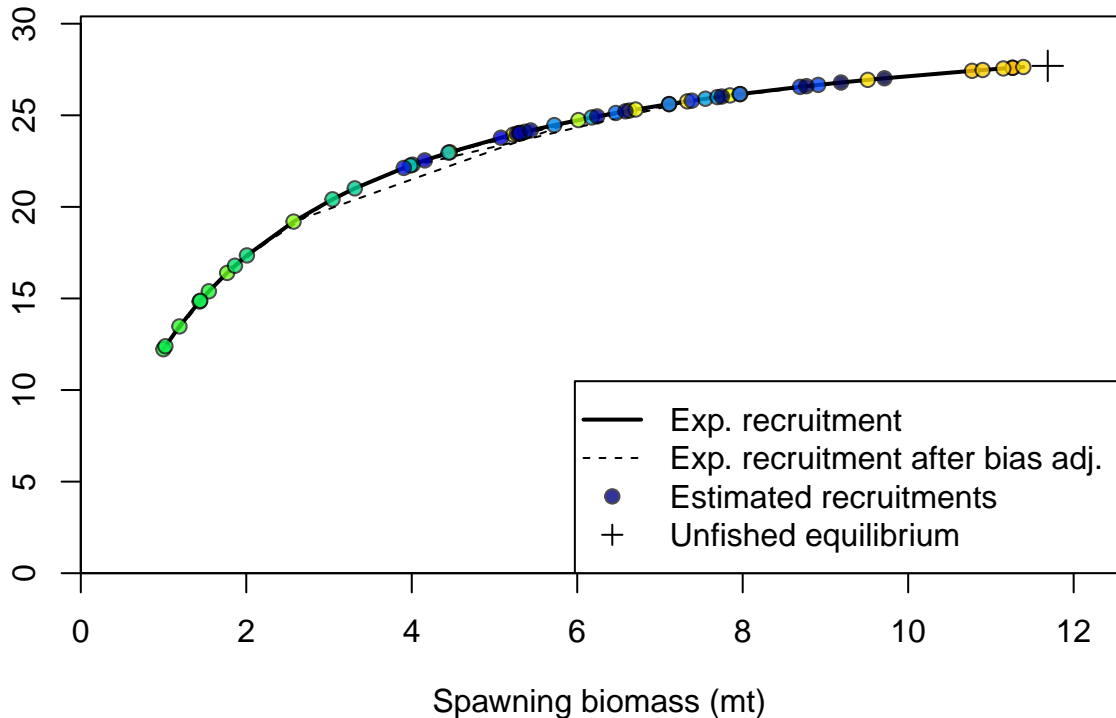


Summary Fishing Mortality

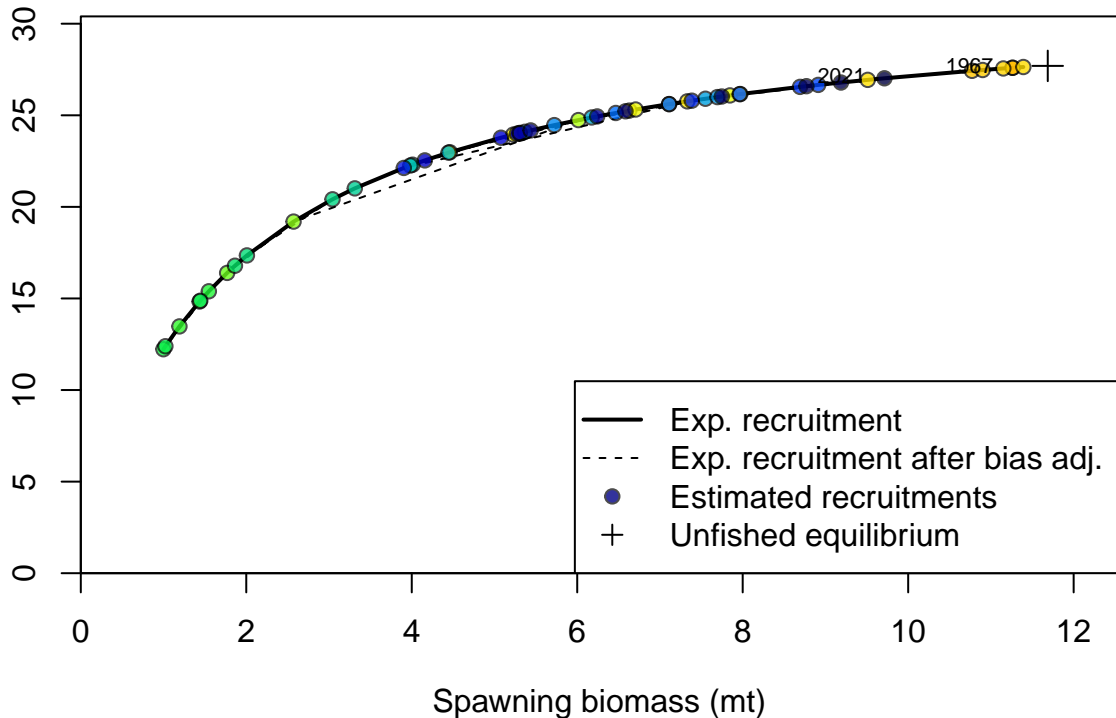


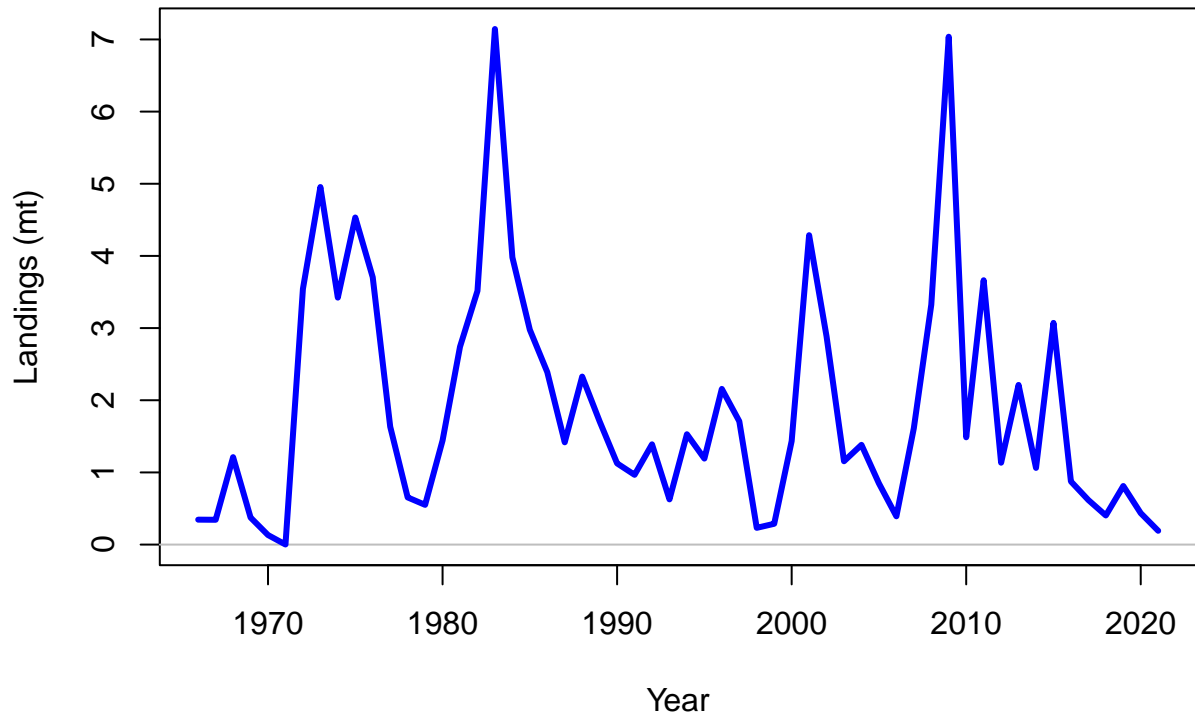


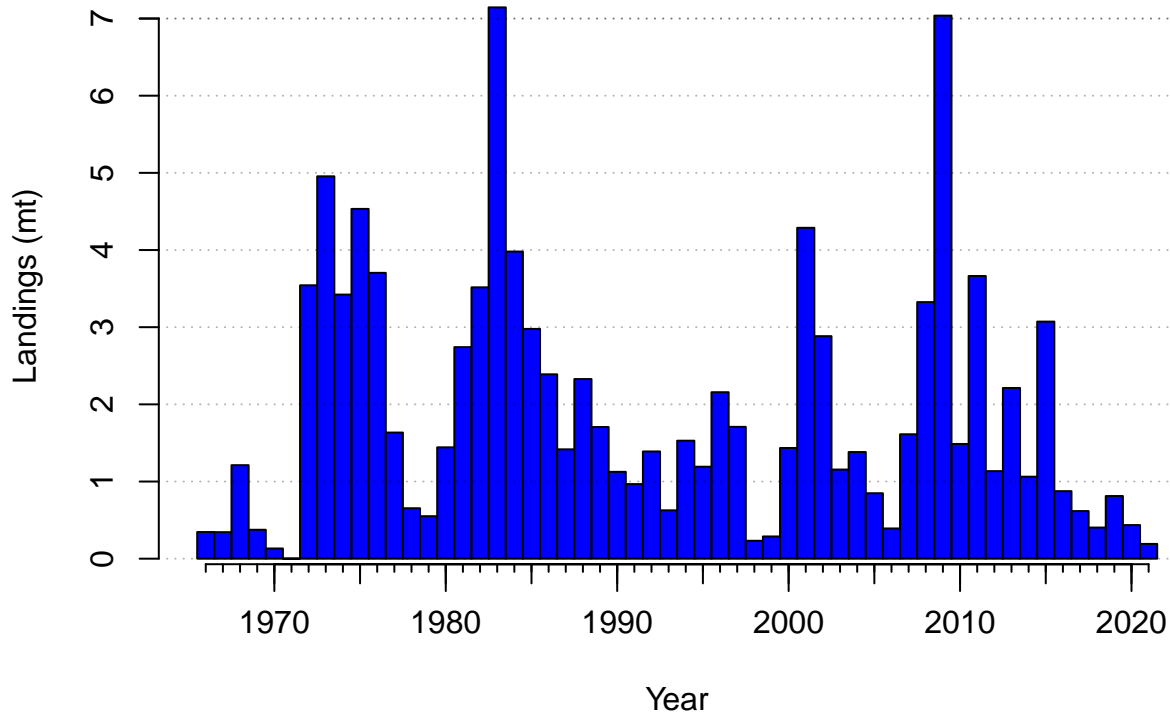
Recruitment (1,000s)



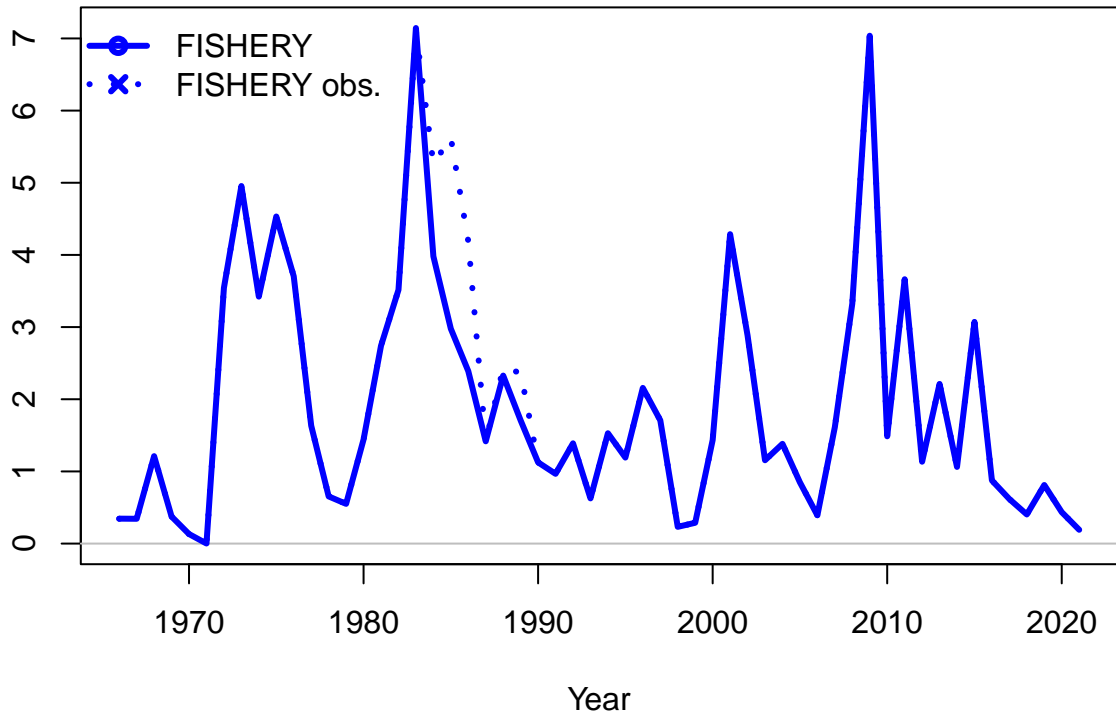
Recruitment (1,000s)

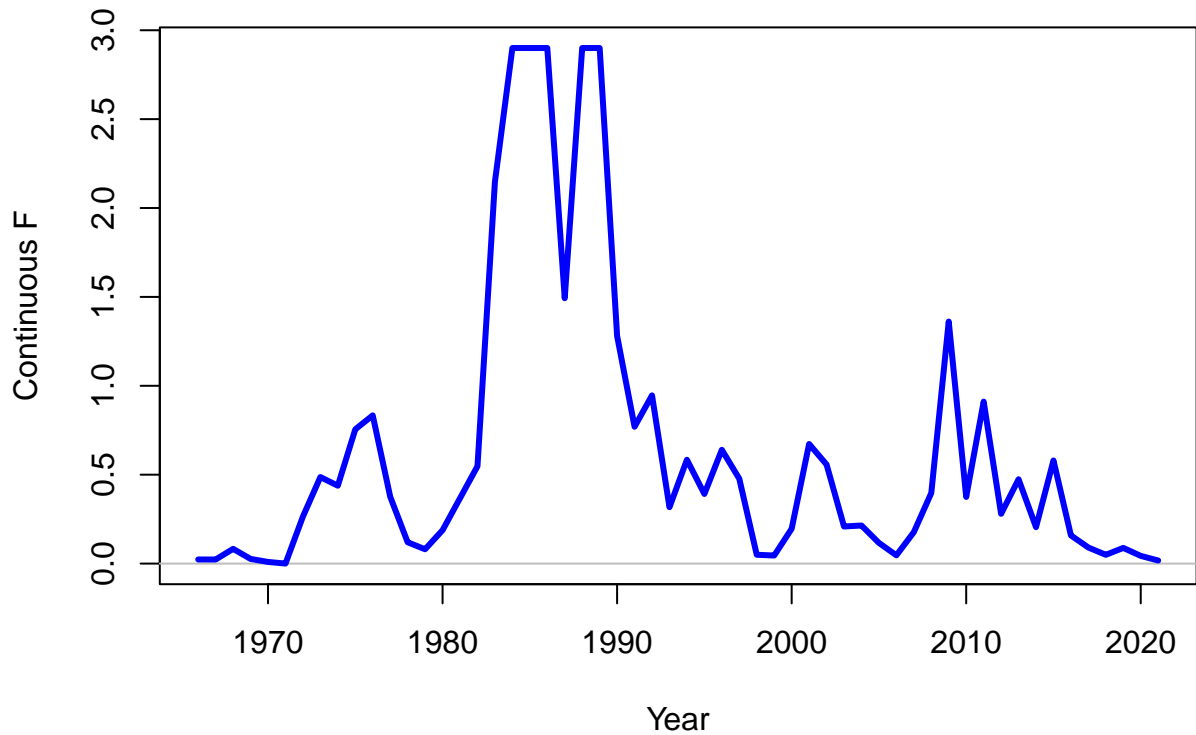




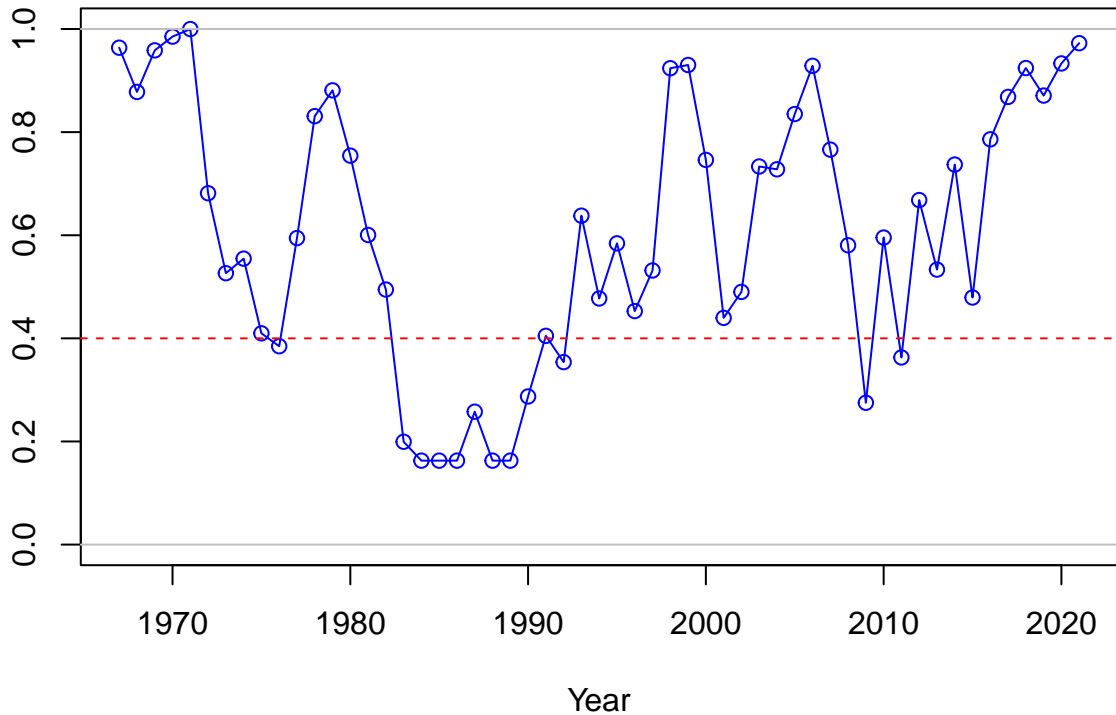


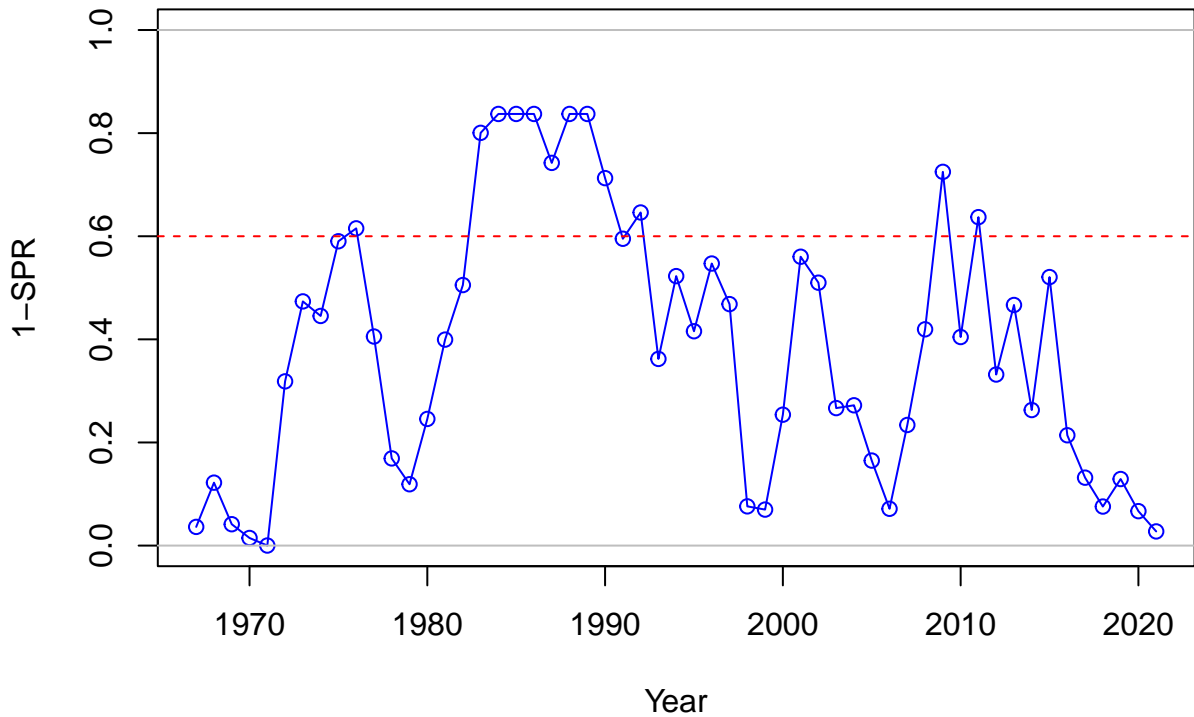
Observed and expected Landings (mt)



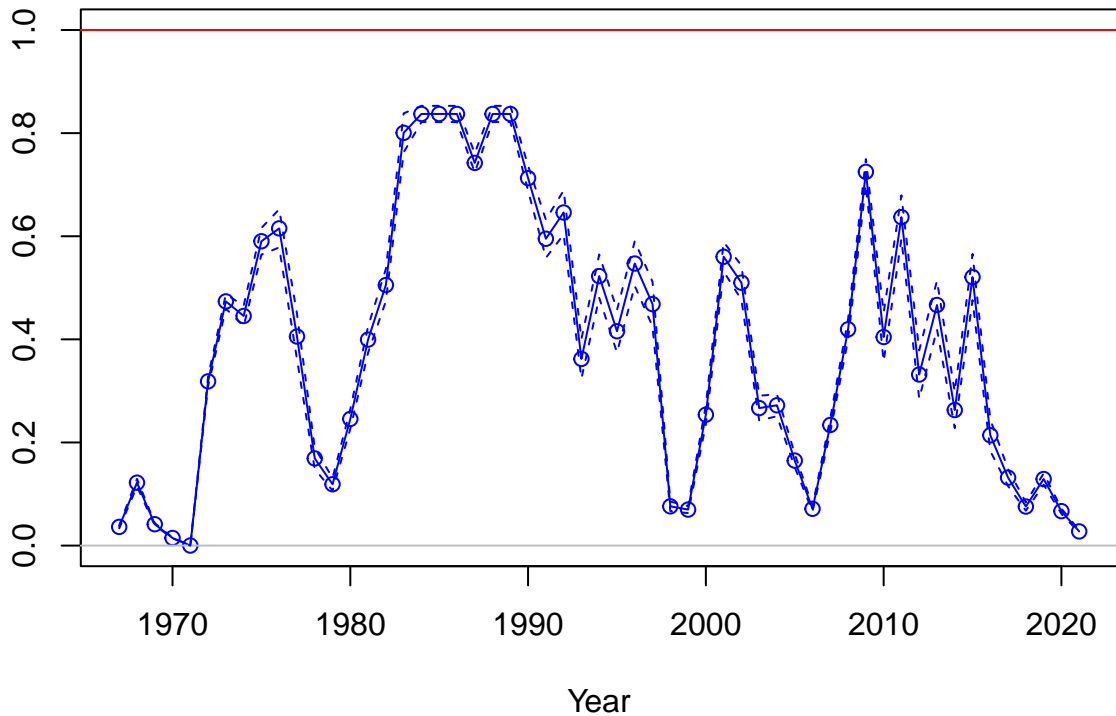


SPR

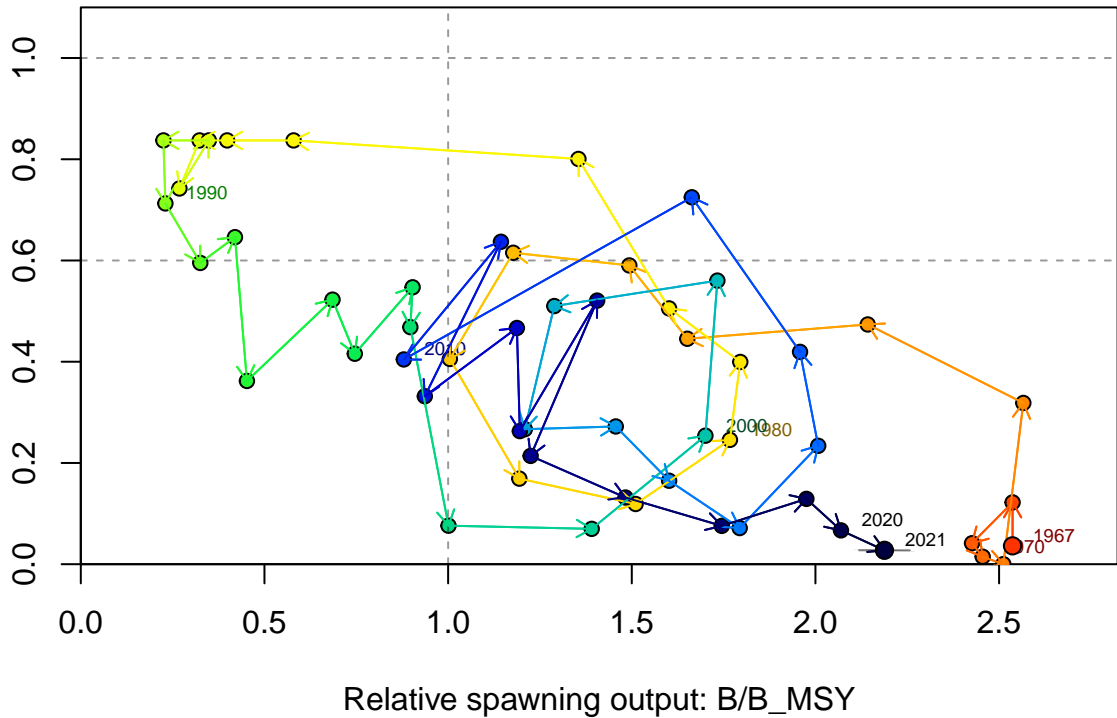




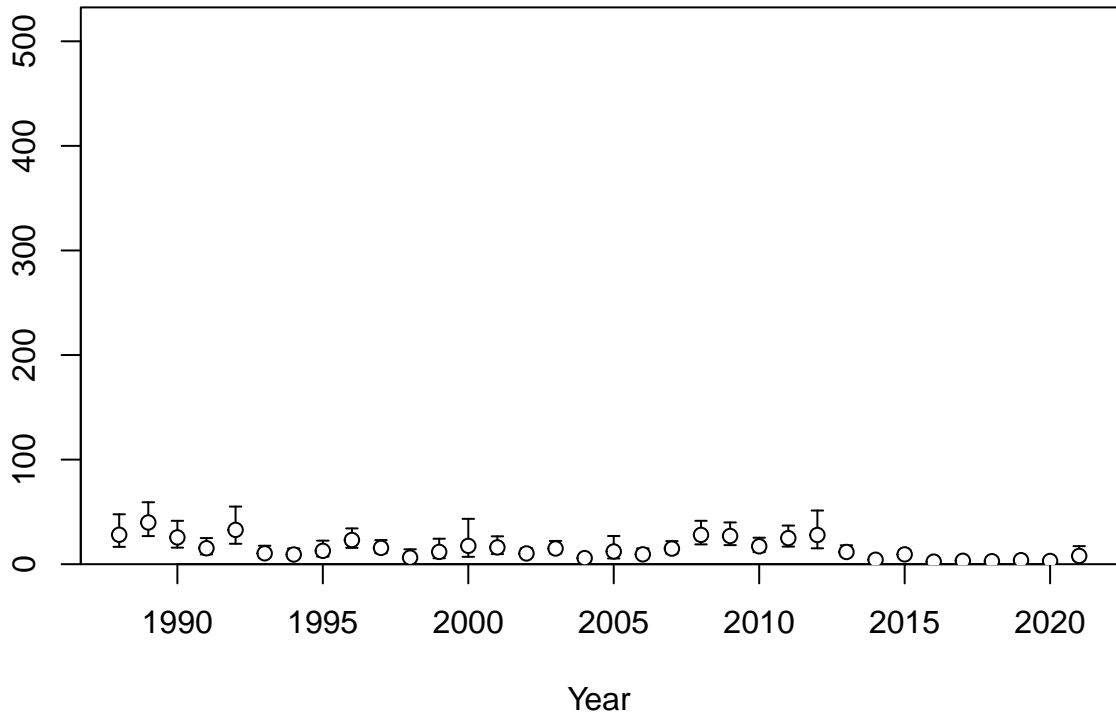
Fishing intensity: 1-SPR

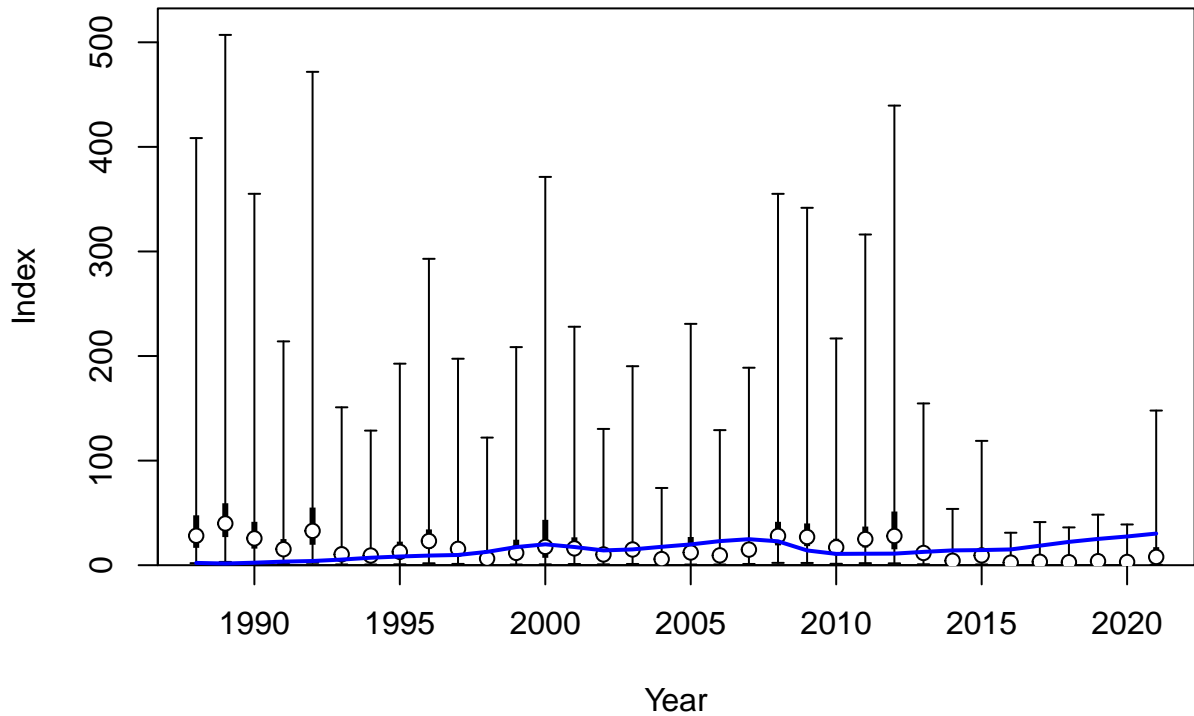


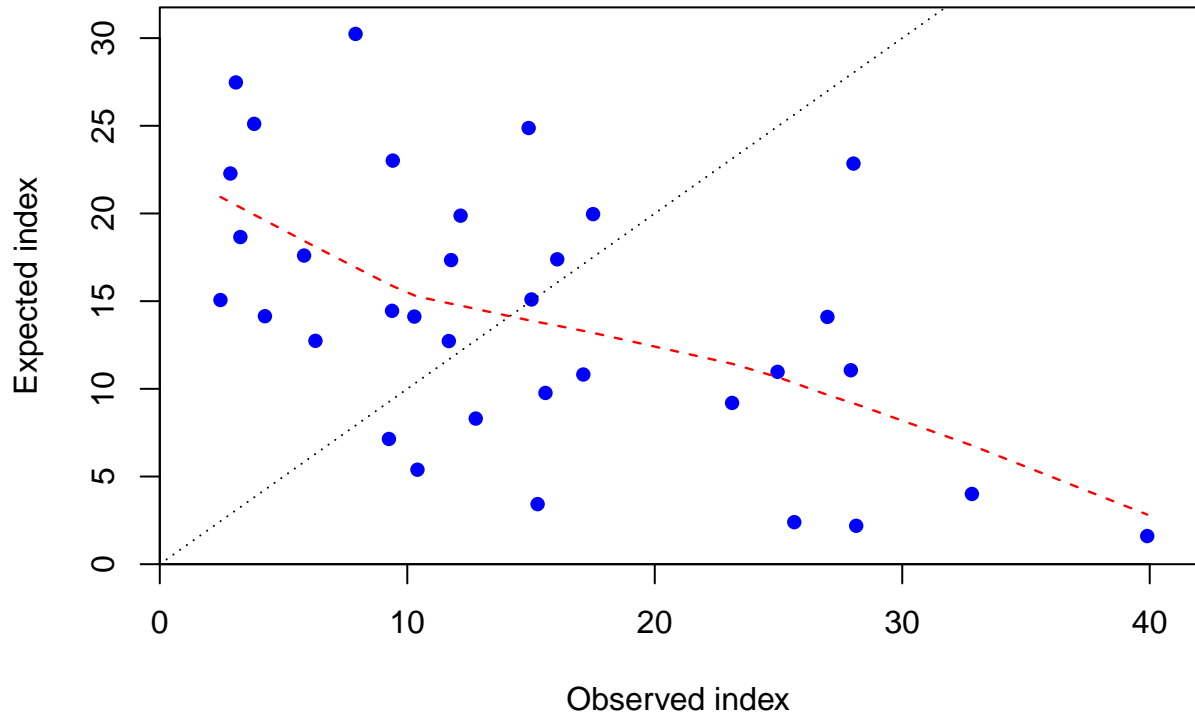
Fishing intensity: 1-SPR

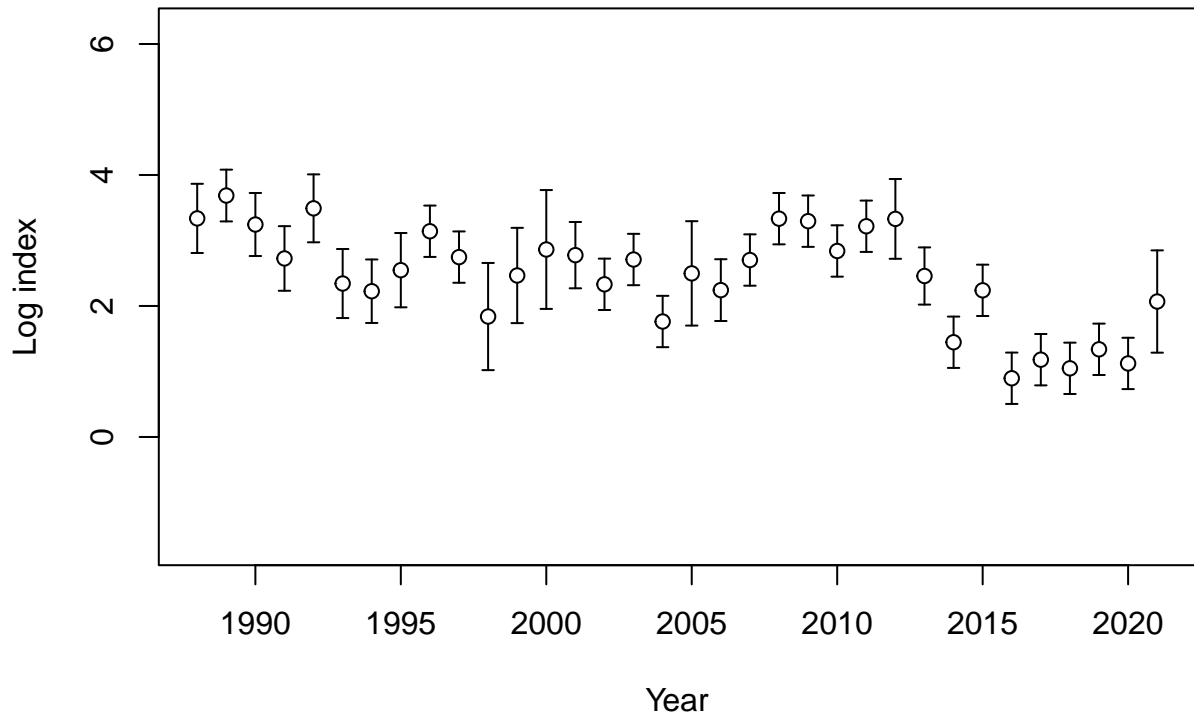


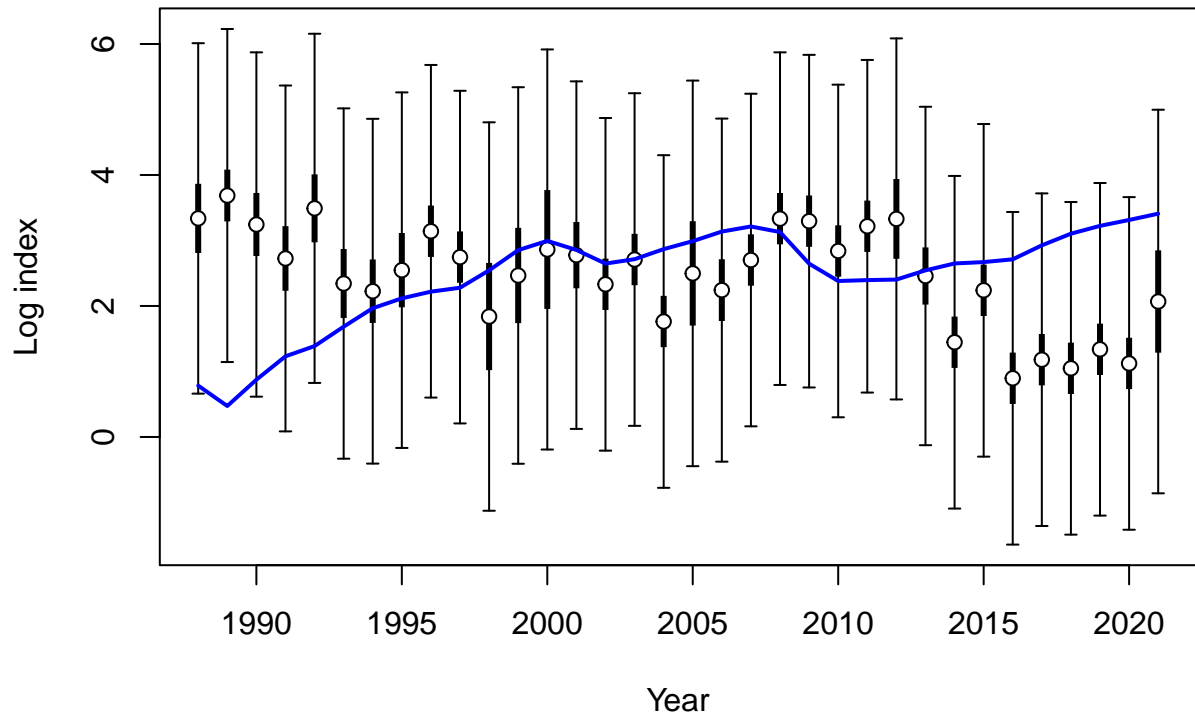
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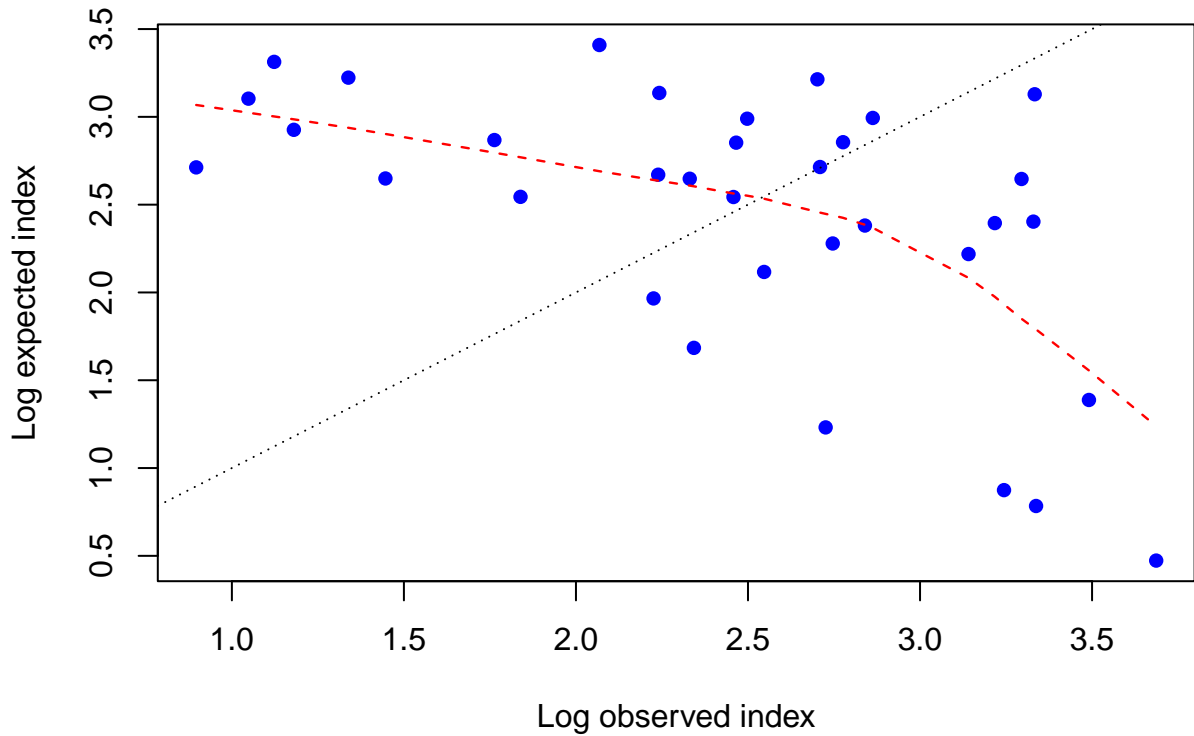


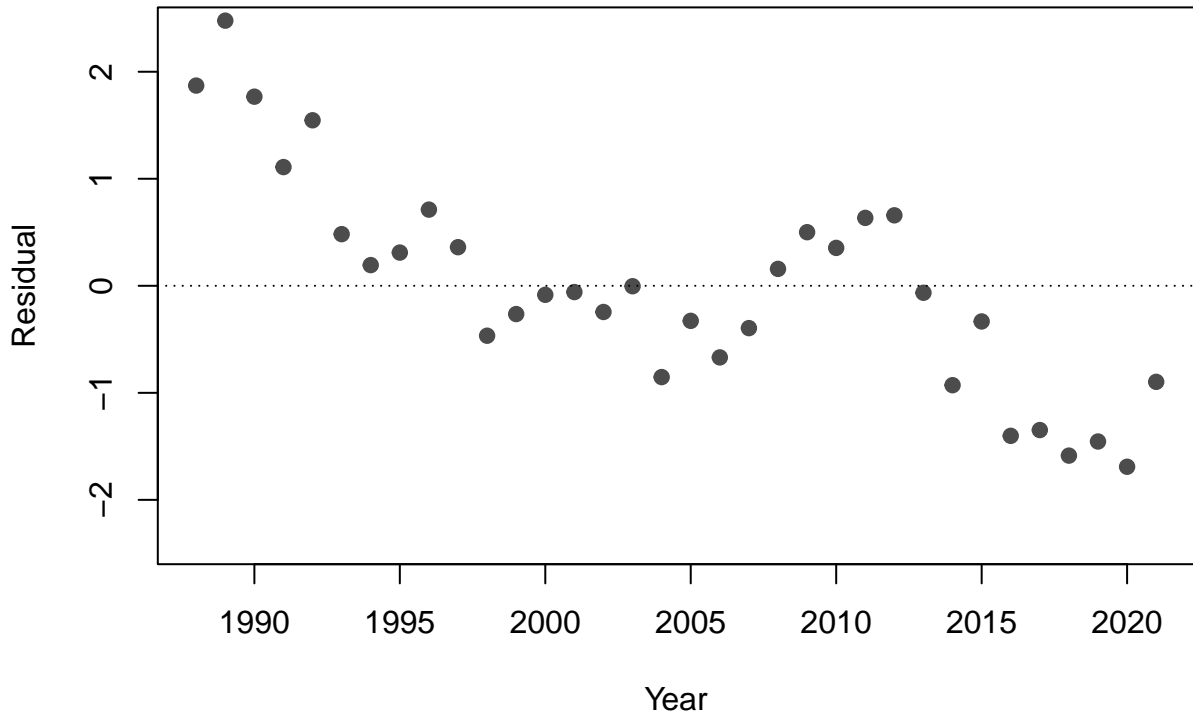


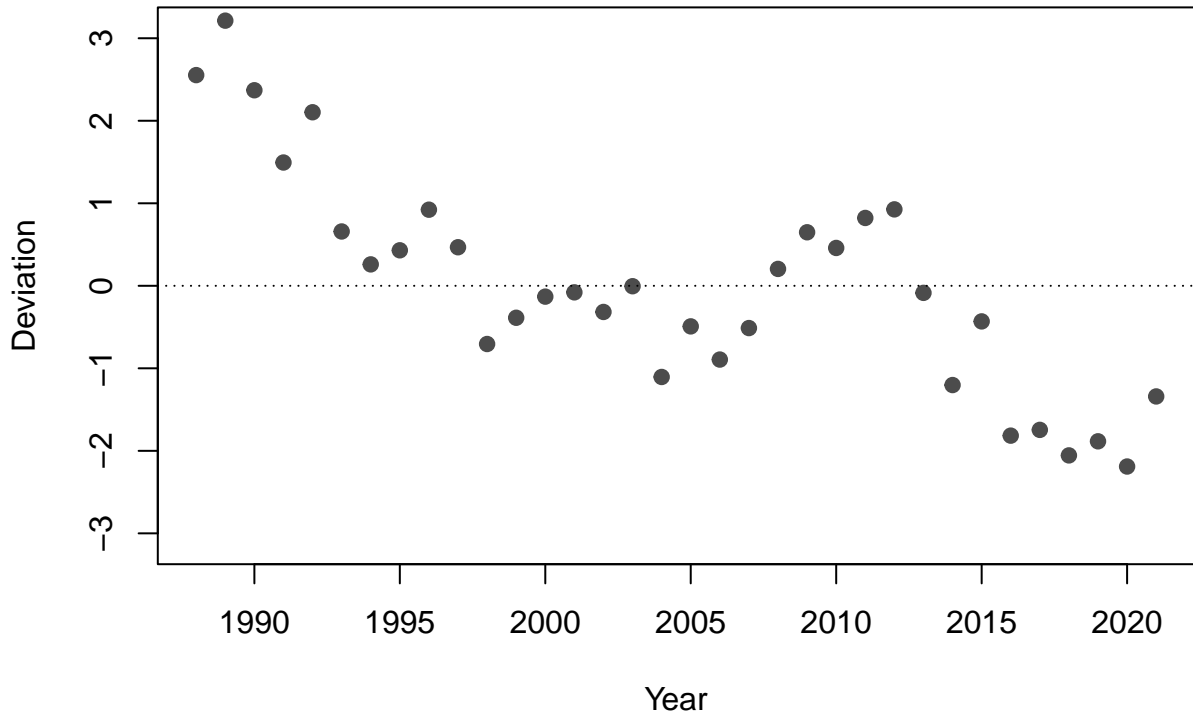


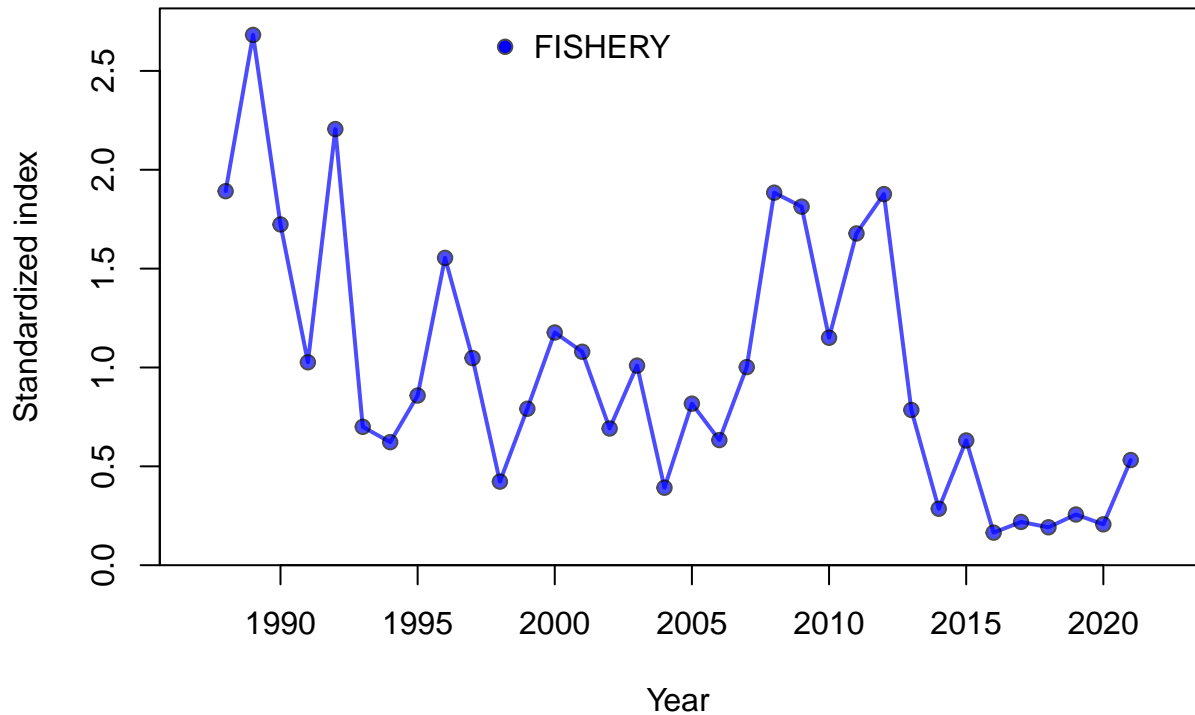




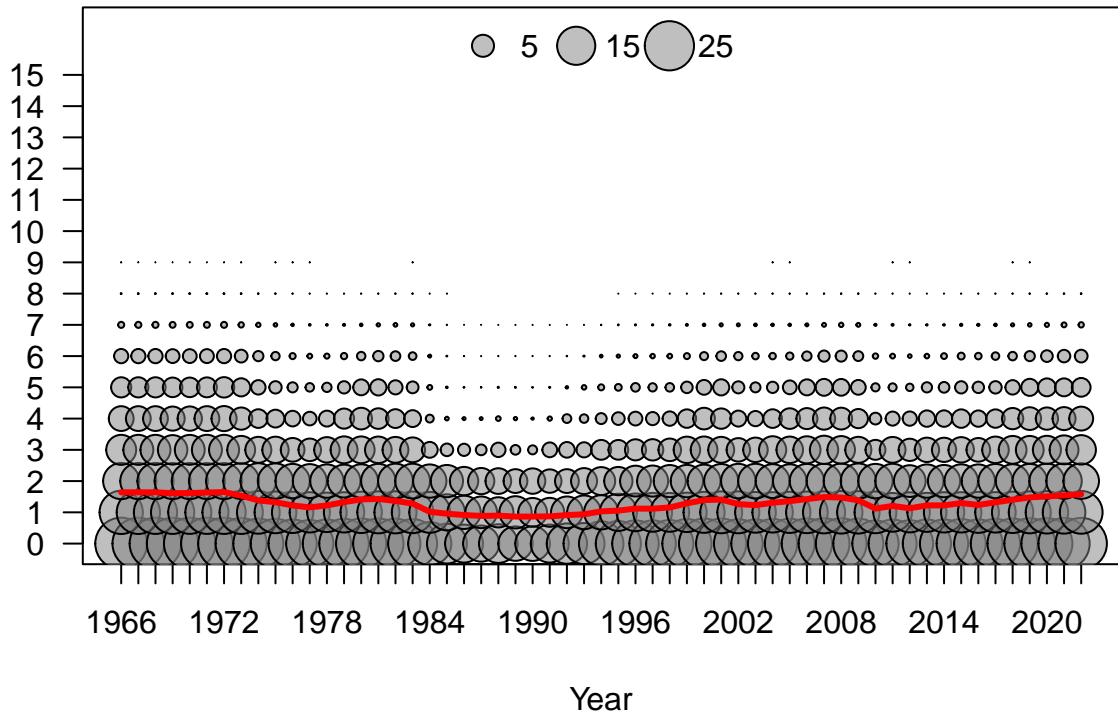


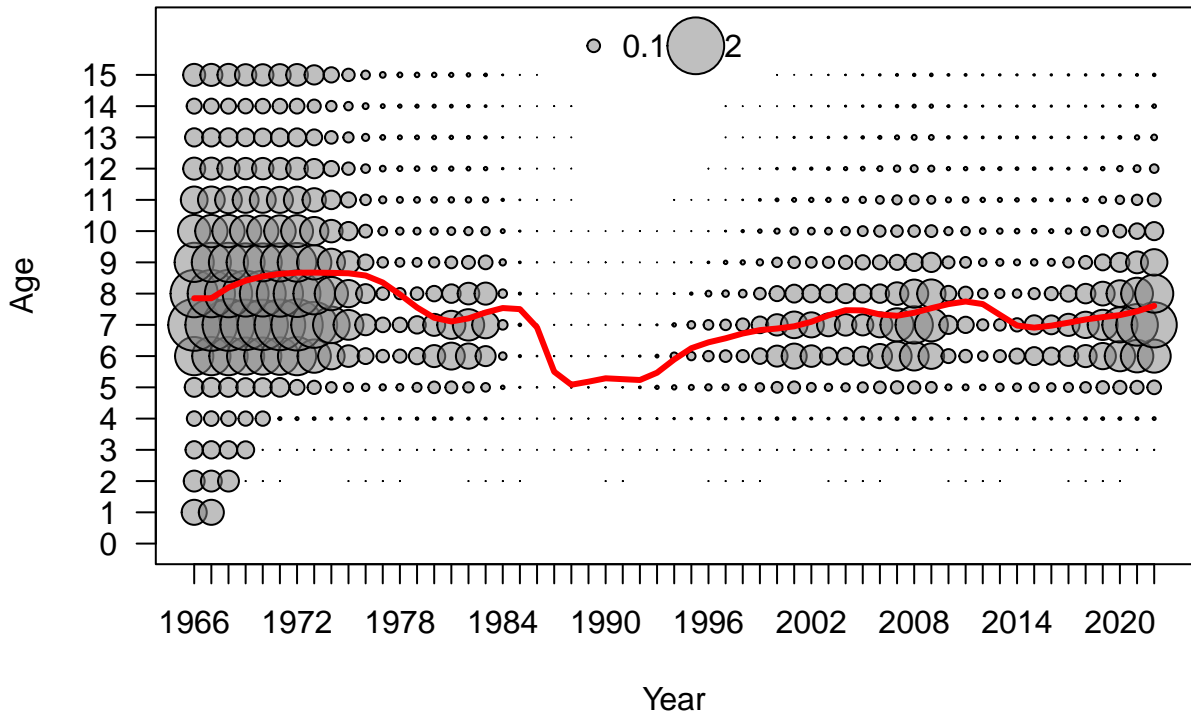


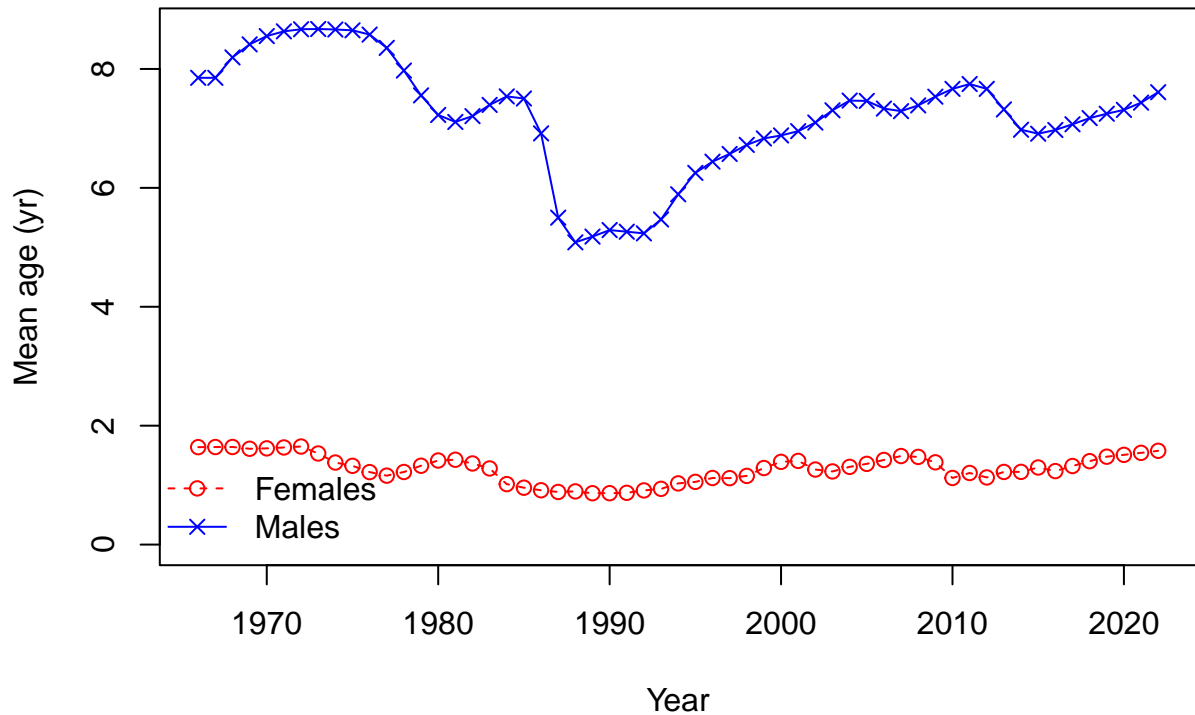


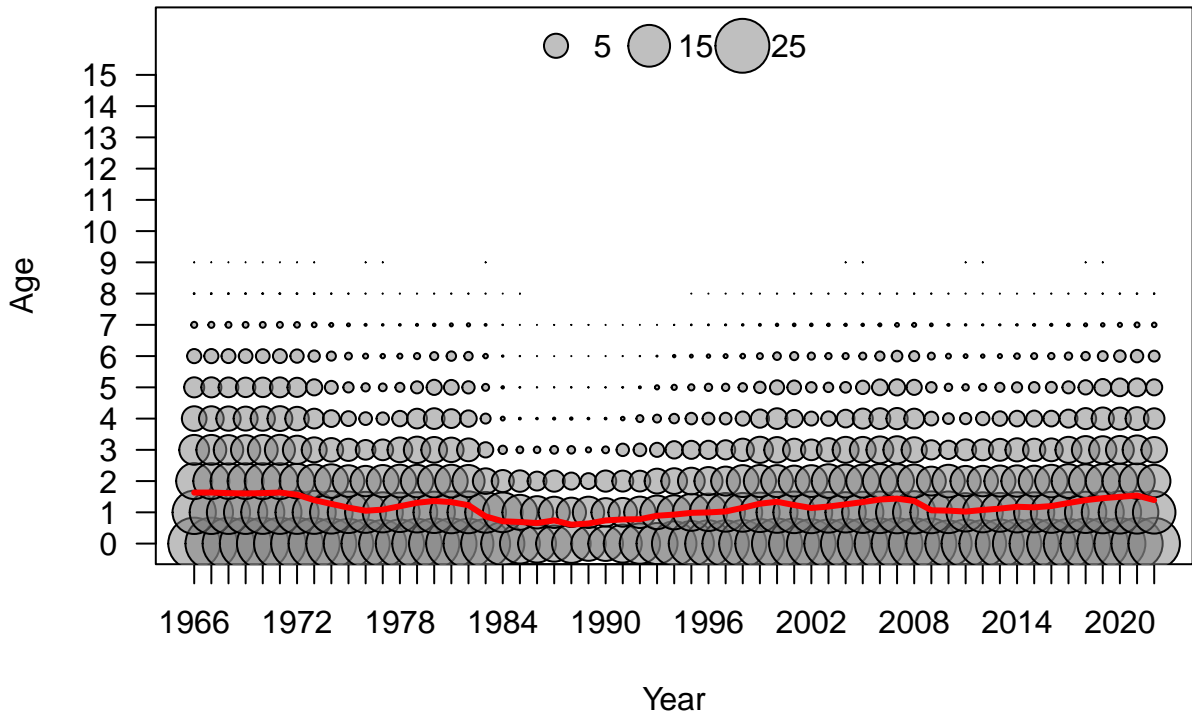


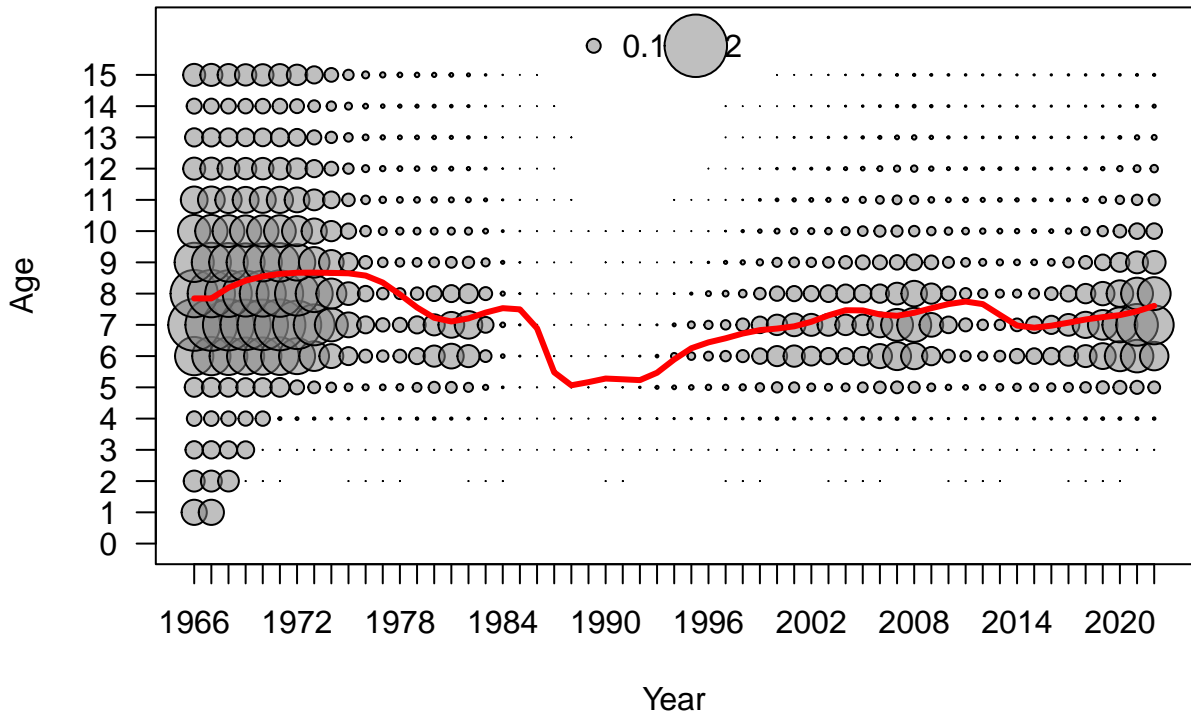
Age

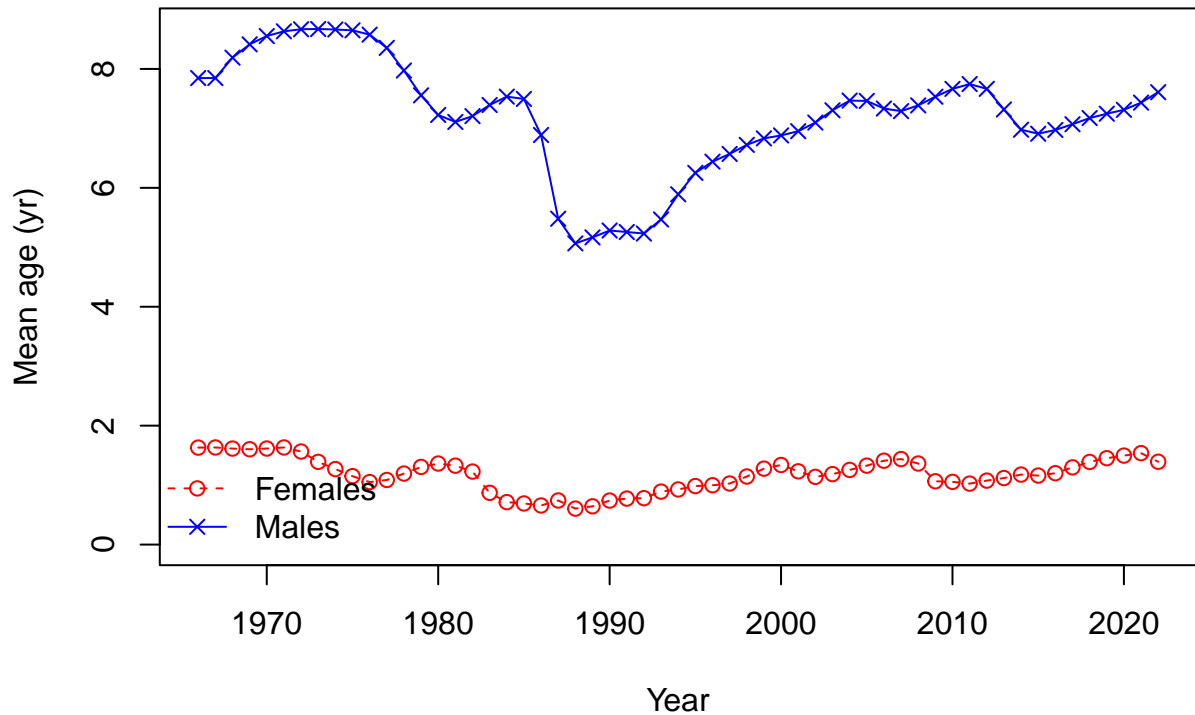












Age

14
12
10
8
6
4
2
0

1970

1980

1990

2000

2010

2020

Year

1

0.1

0.7

0.8

0.5

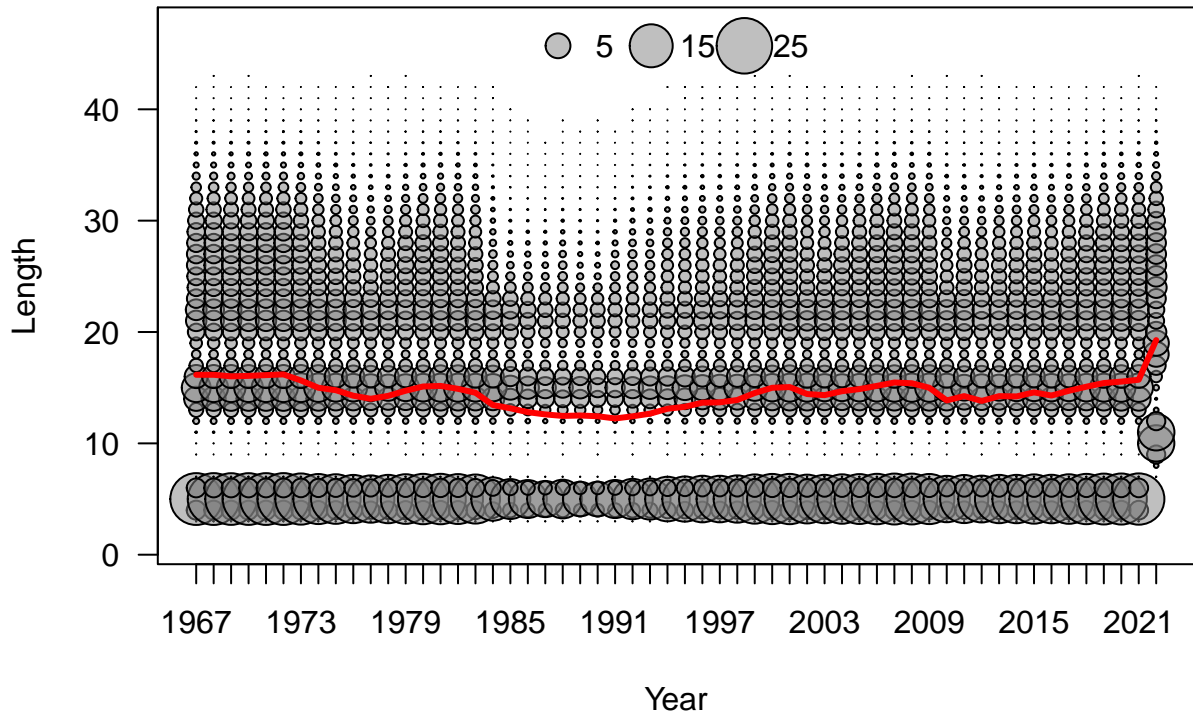
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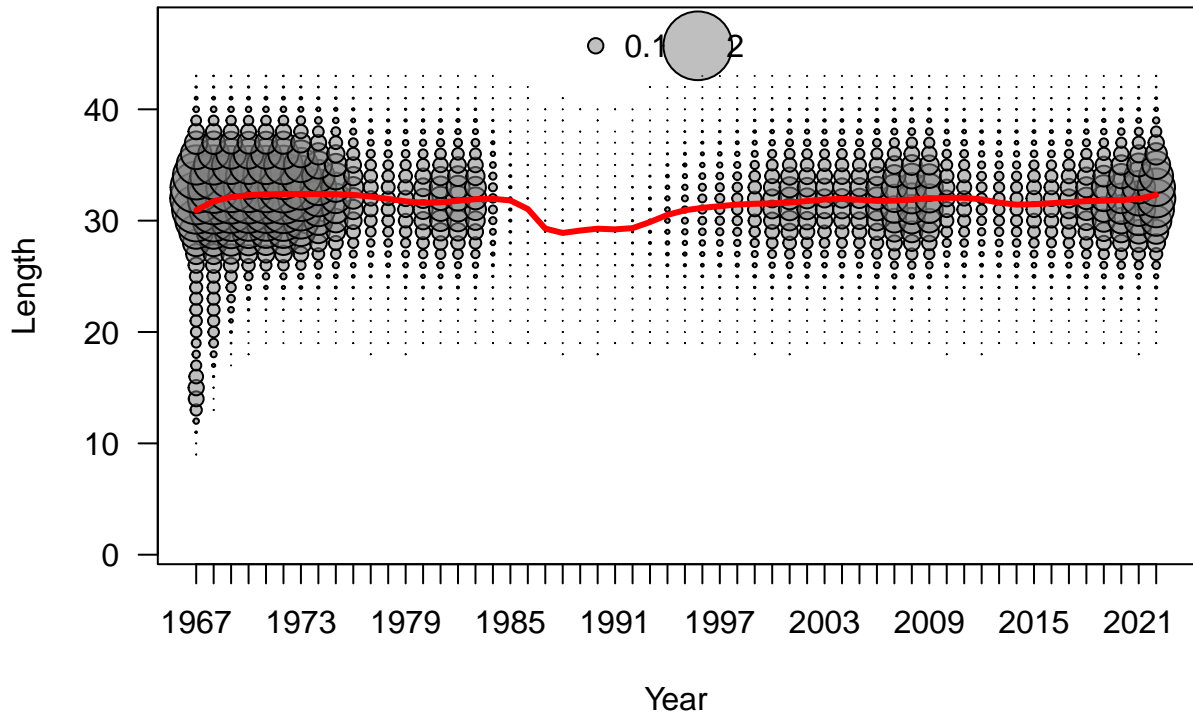
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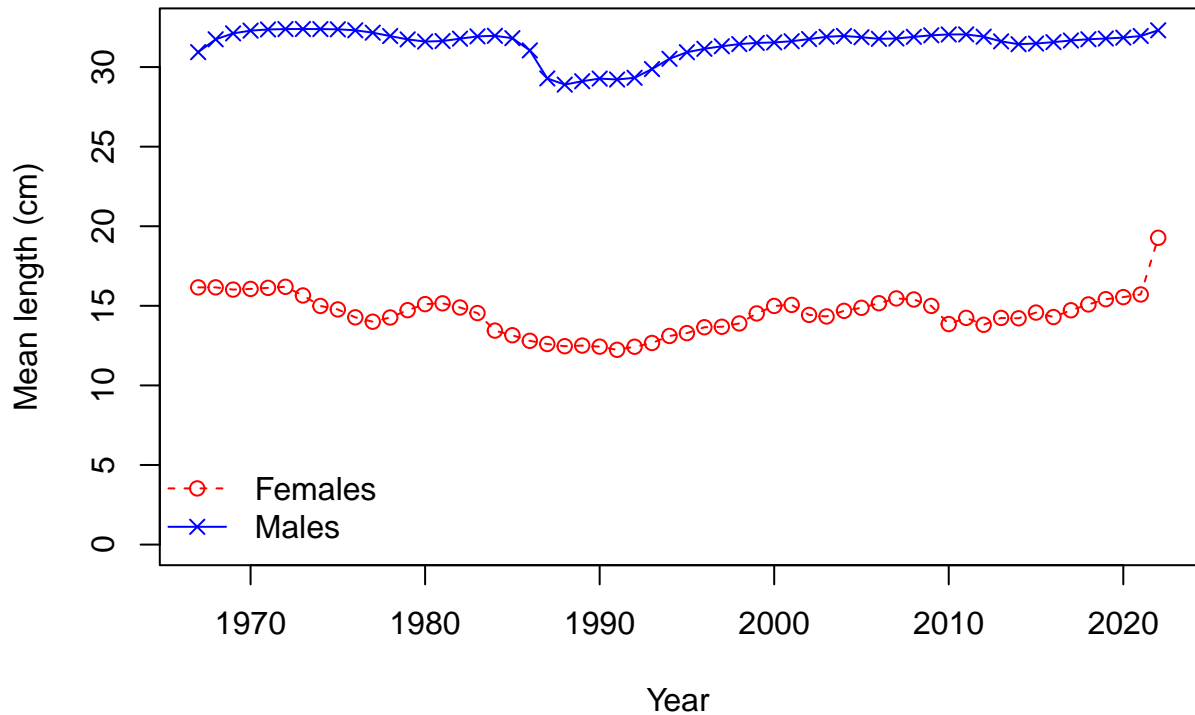
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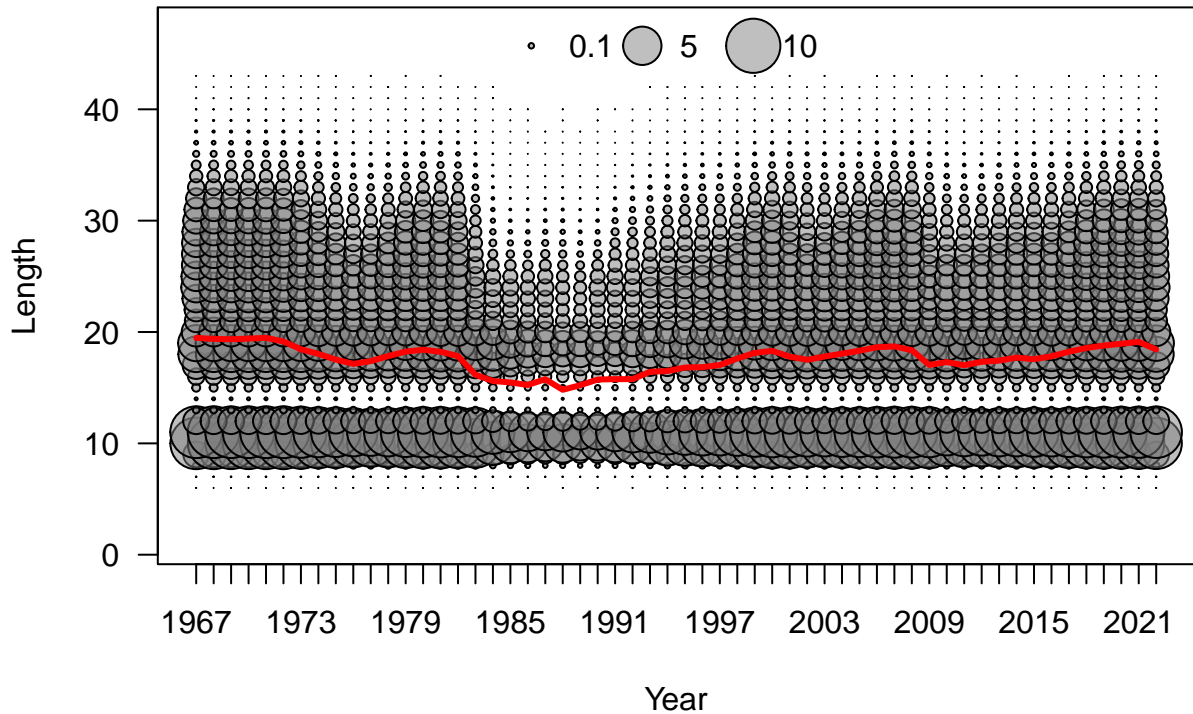
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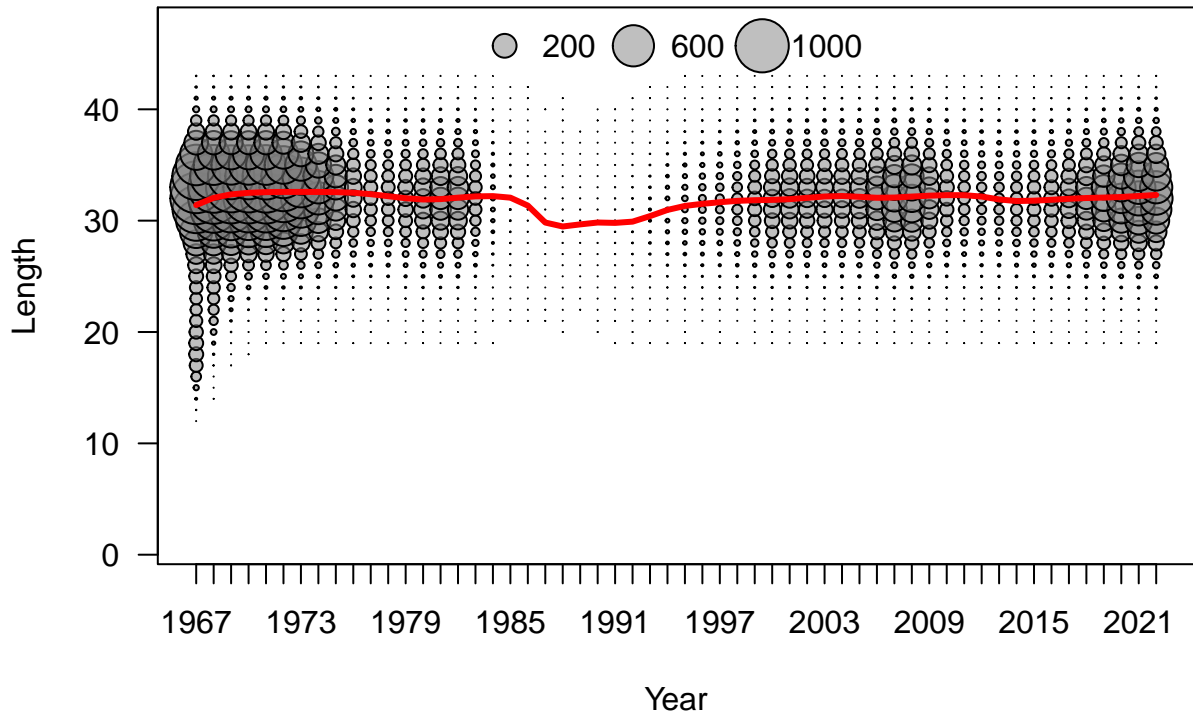
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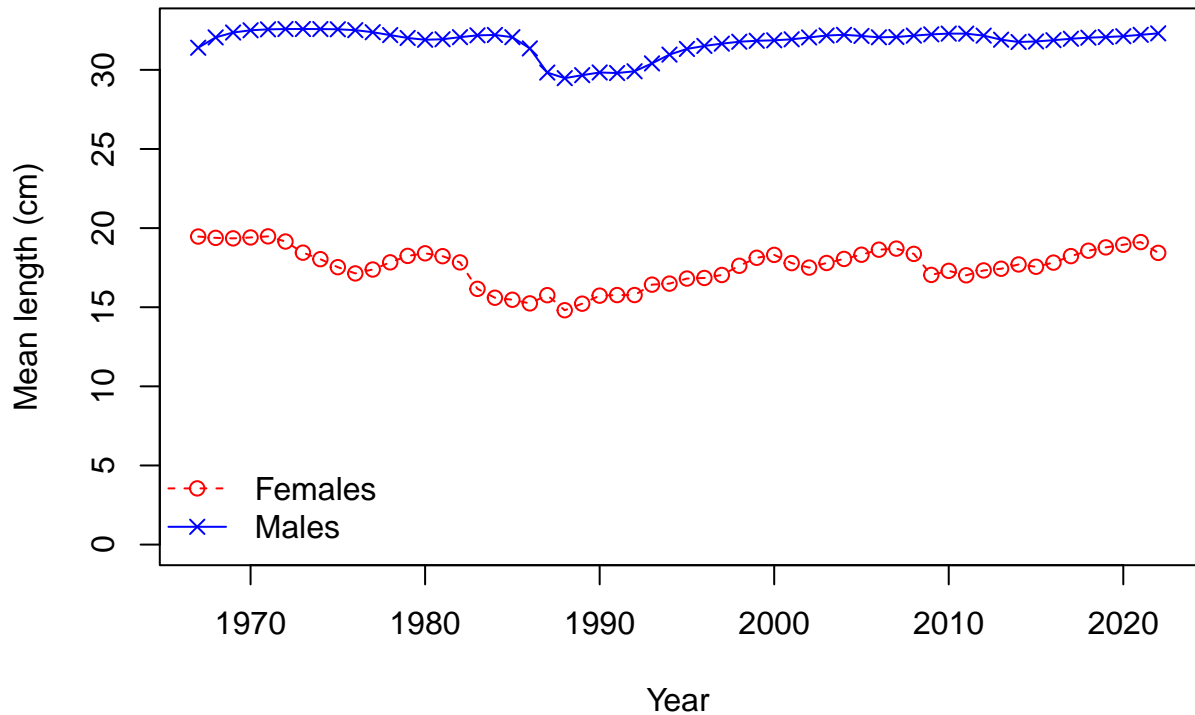




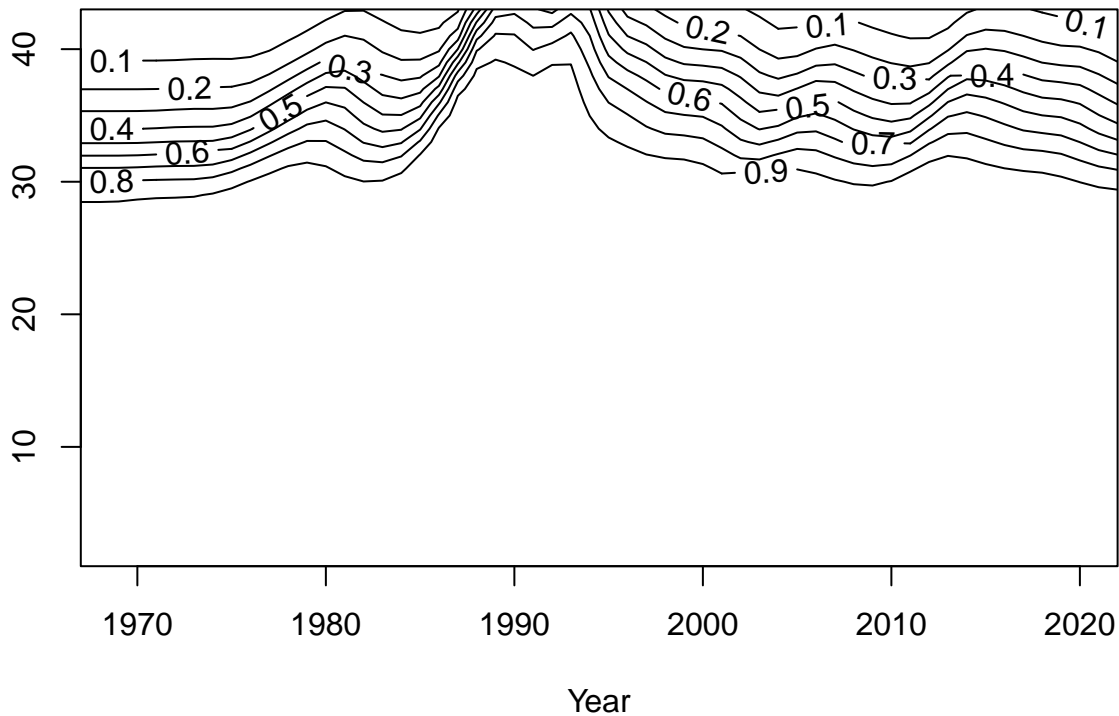


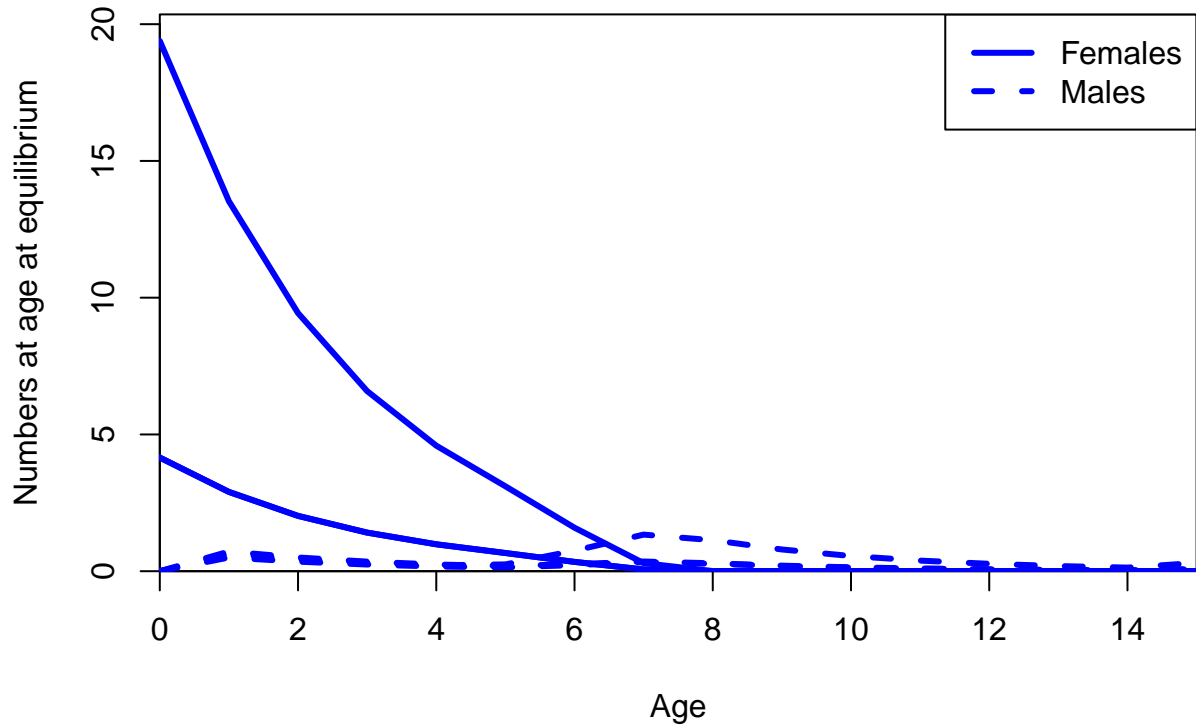






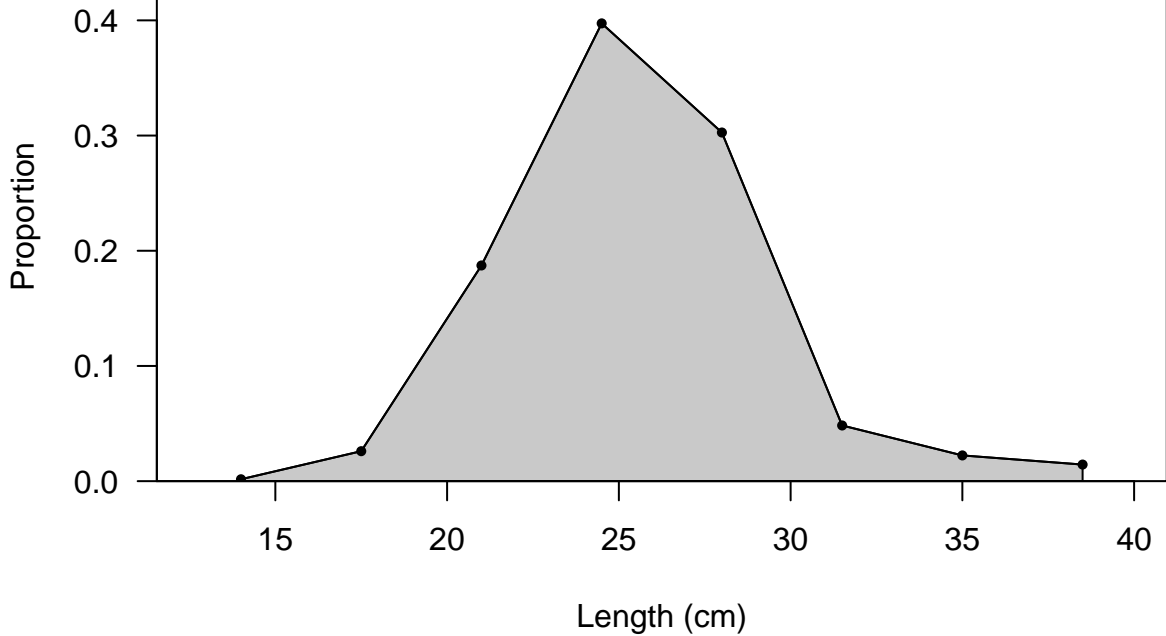
Length





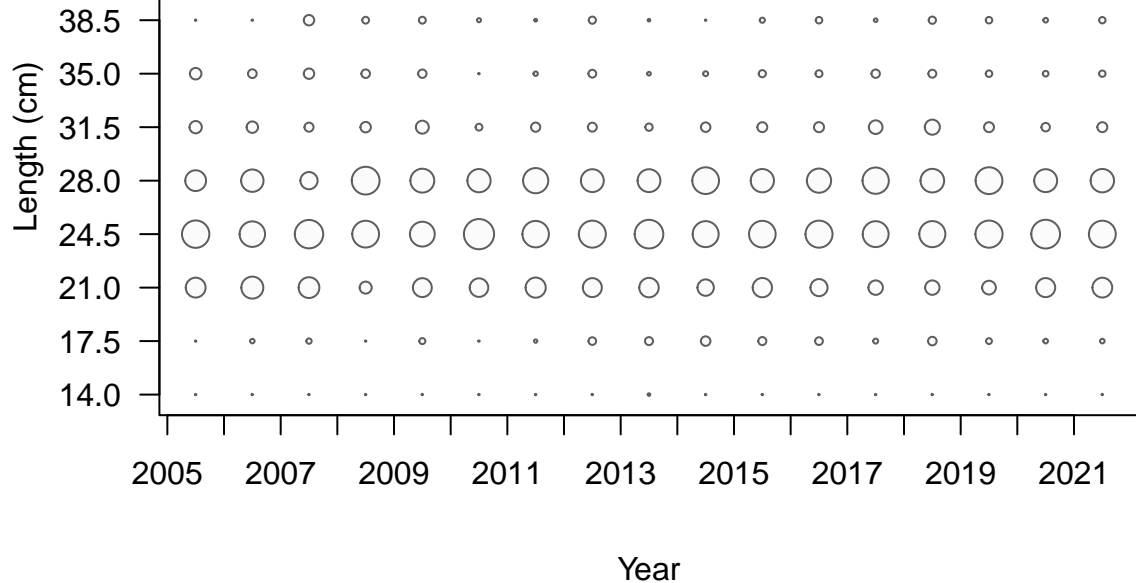
FISHERY

Sum of N input=5953

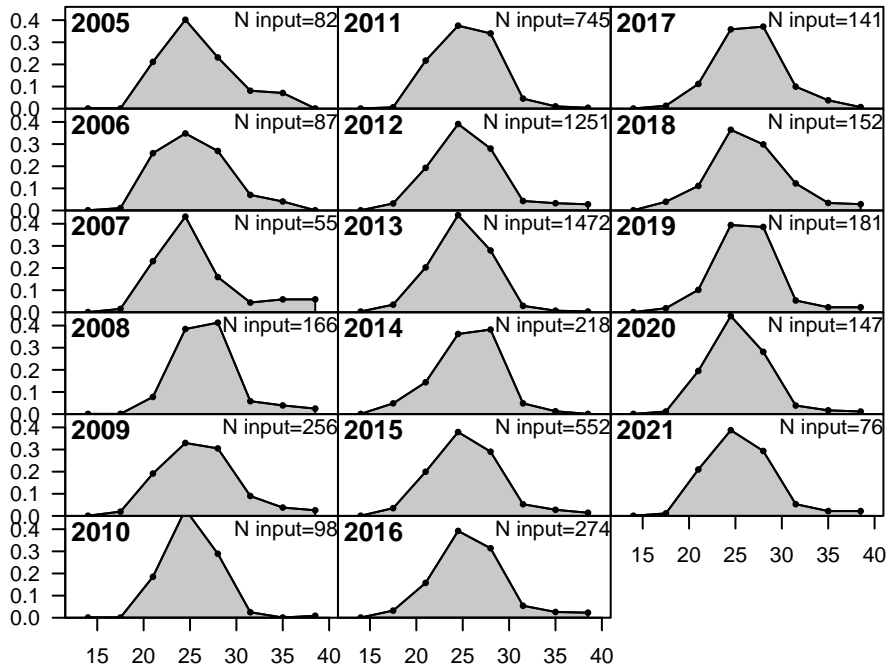


FISHERY

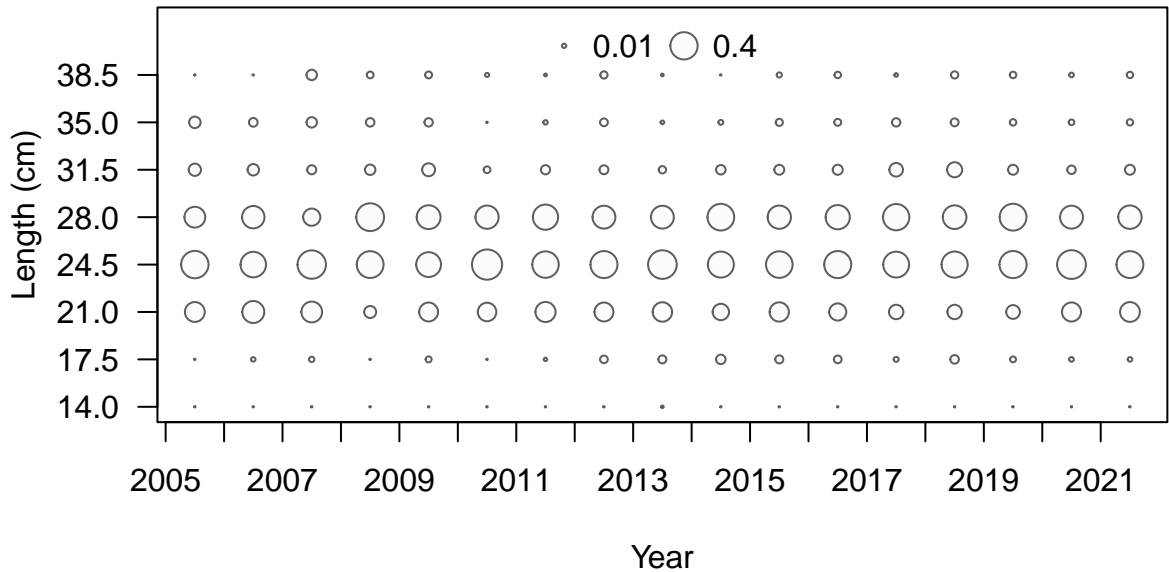
◦ 0.01 ○ 0.4



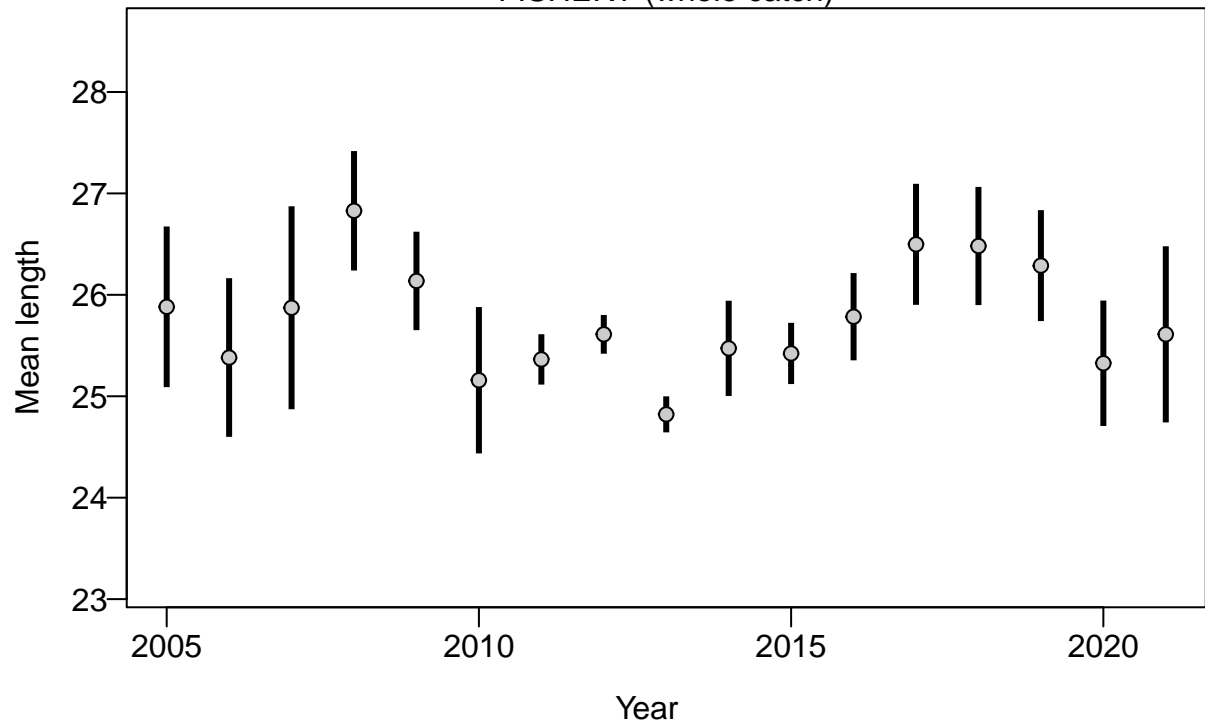
Proportion



Length (cm)

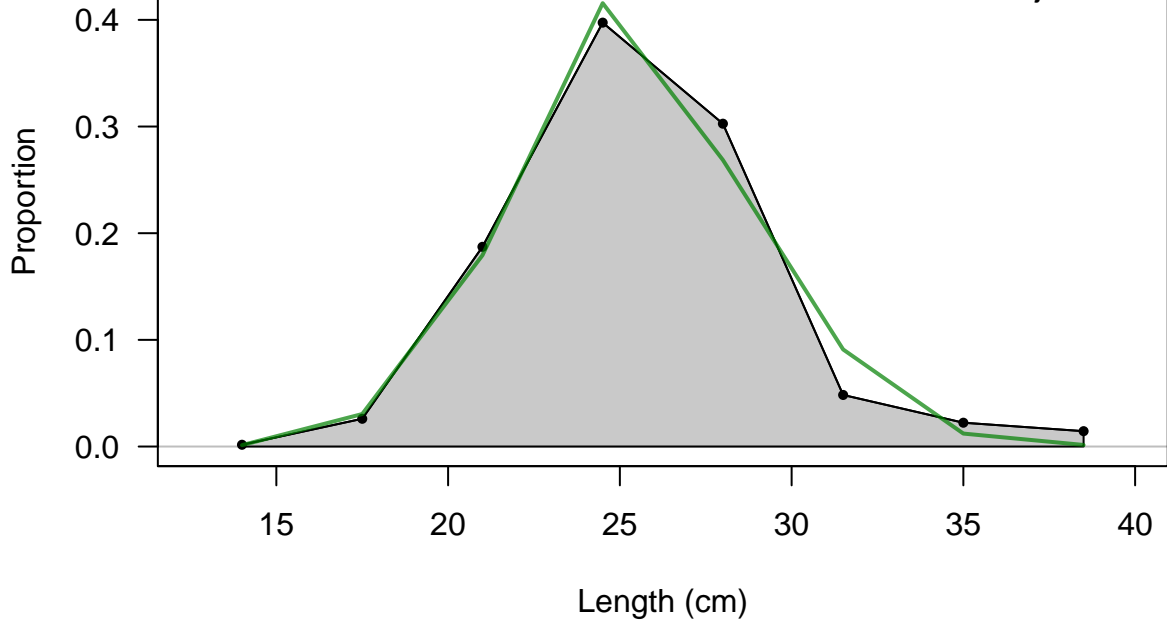


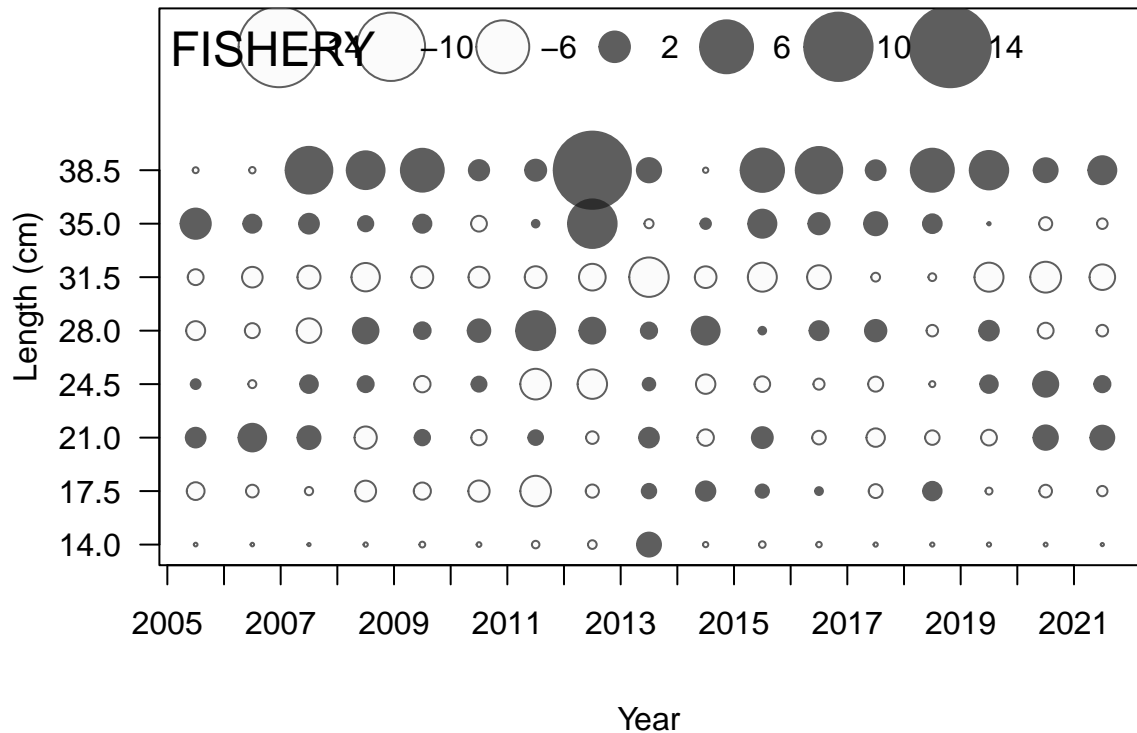
FISHERY (whole catch)



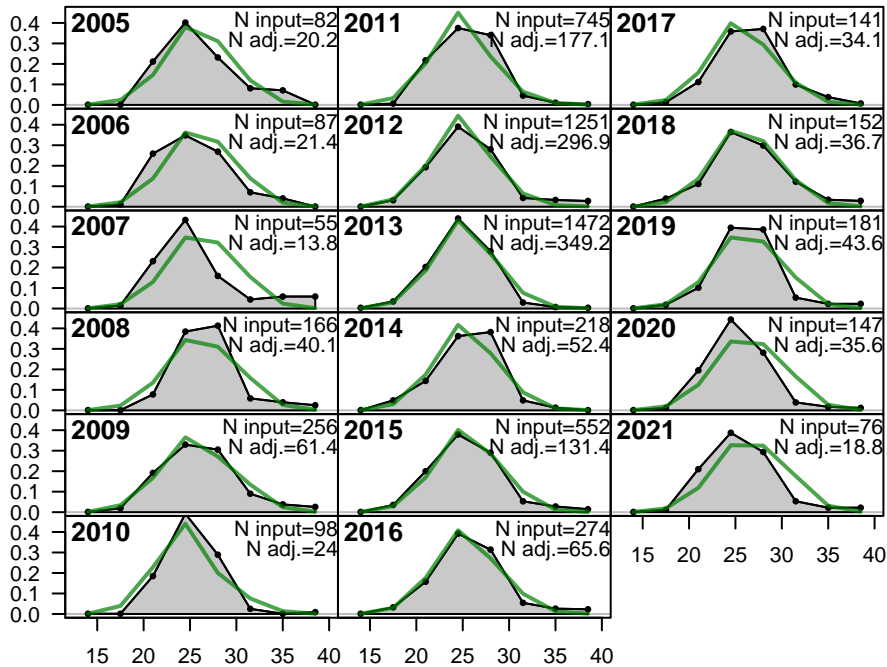
FISHERY

Sum of N input=5953
Sum of N adj.=1422.1

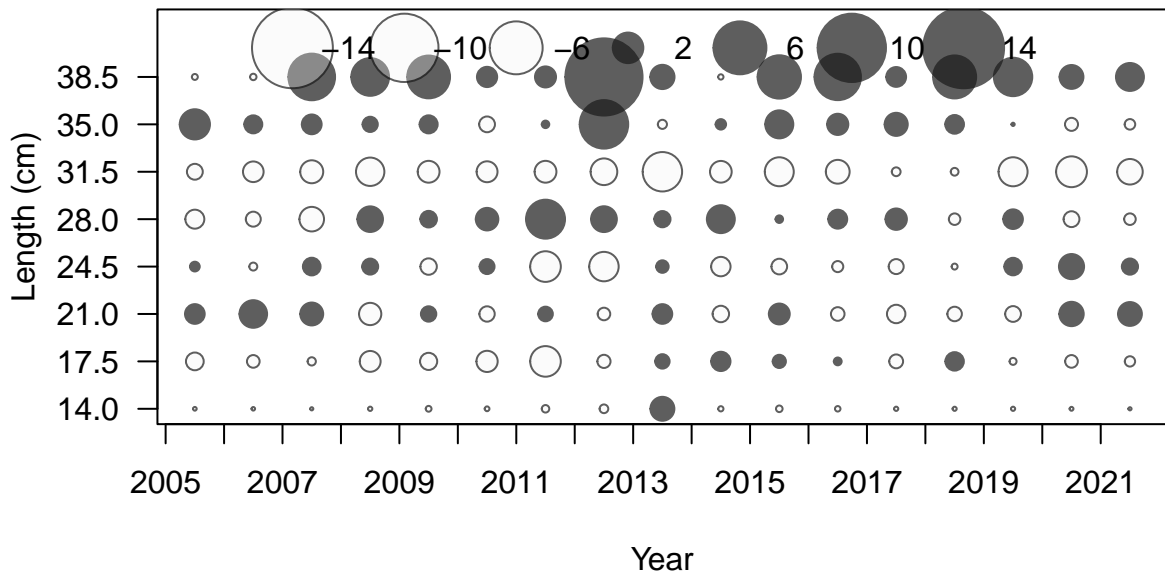




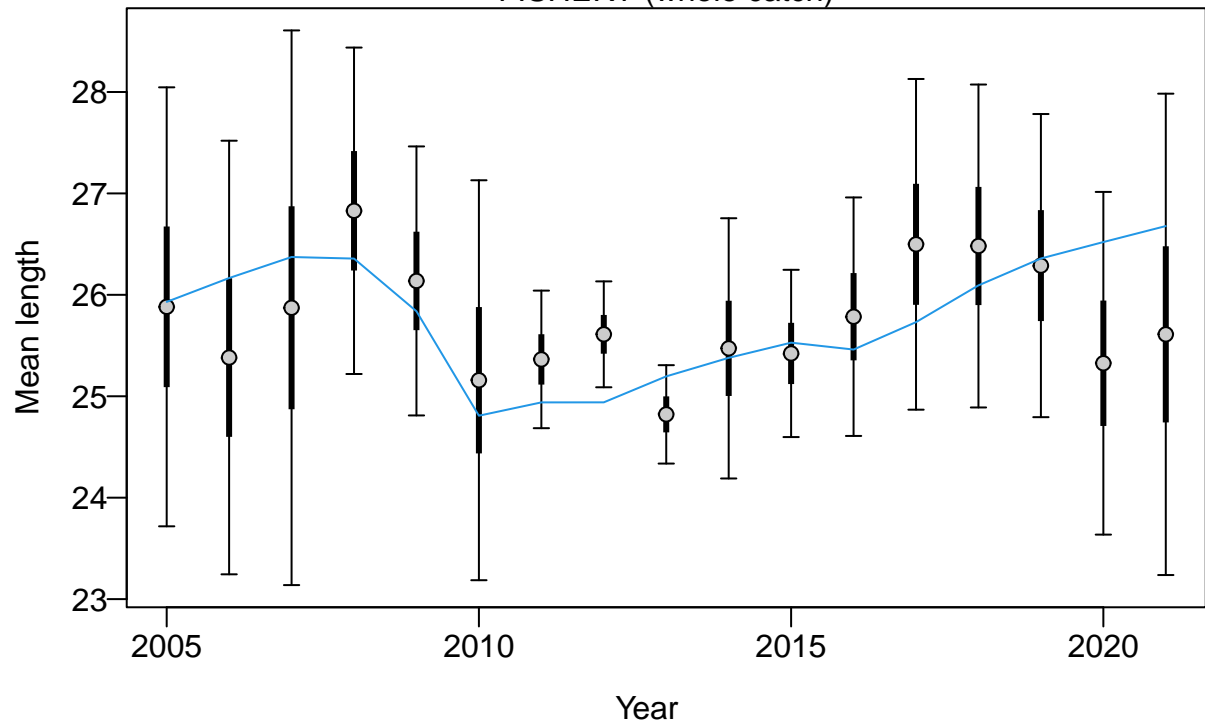
Proportion

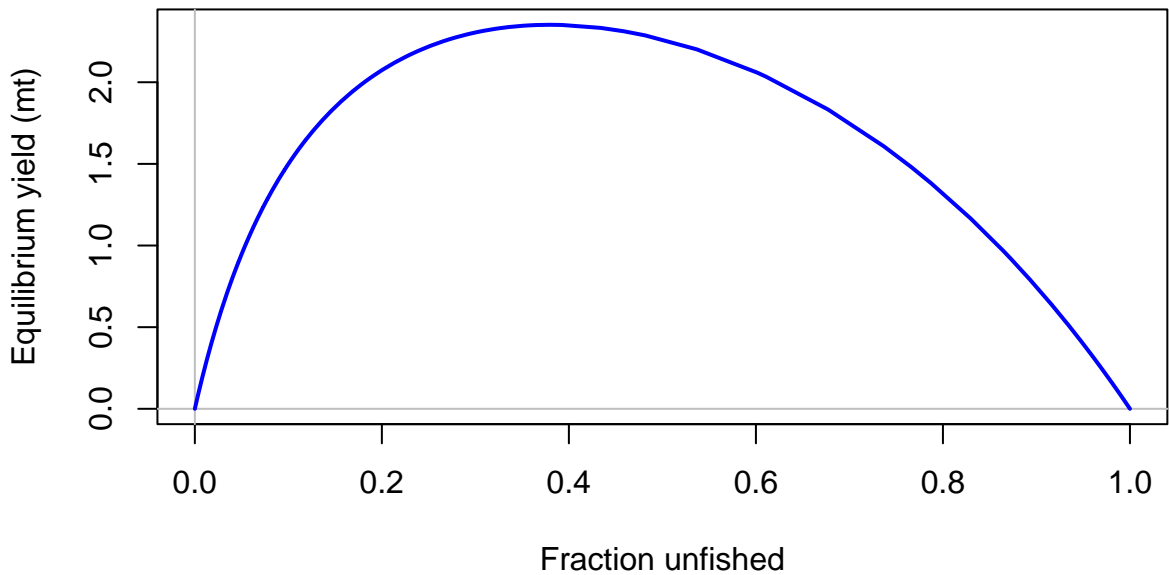


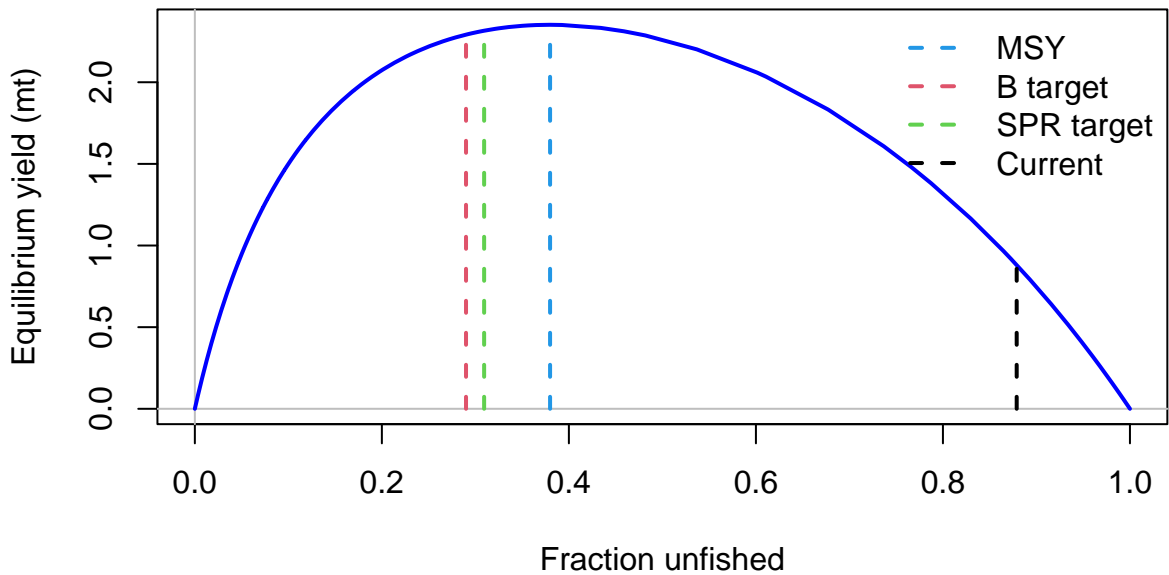
Length (cm)



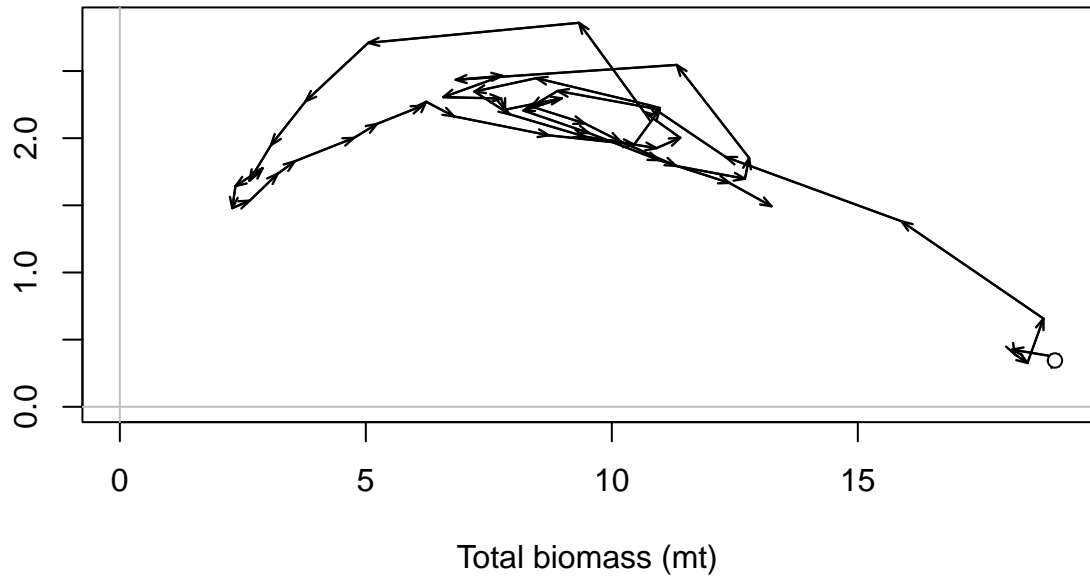
FISHERY (whole catch)

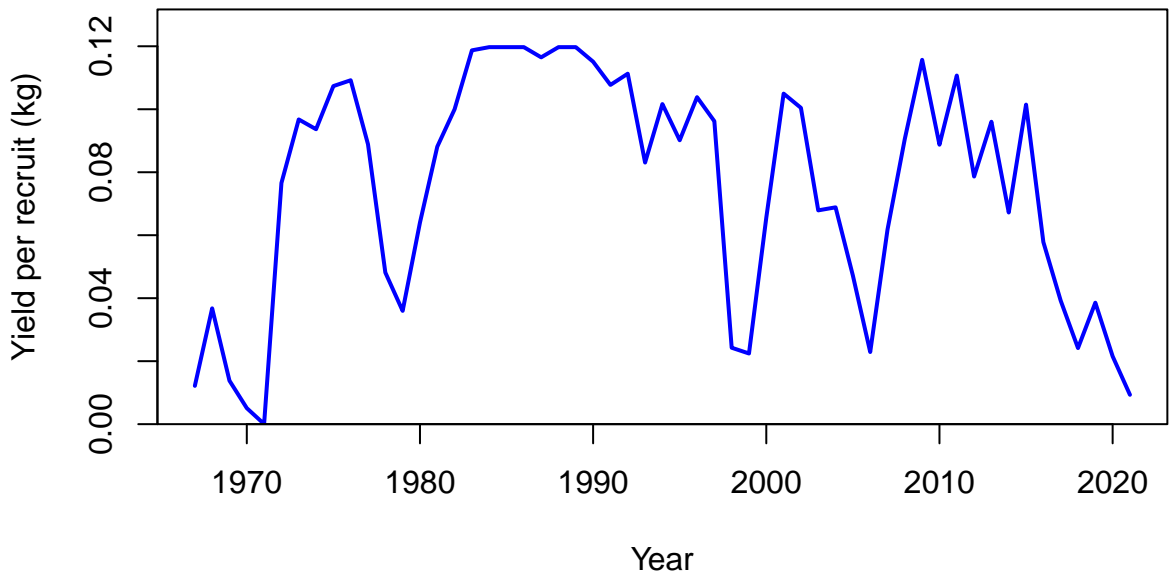


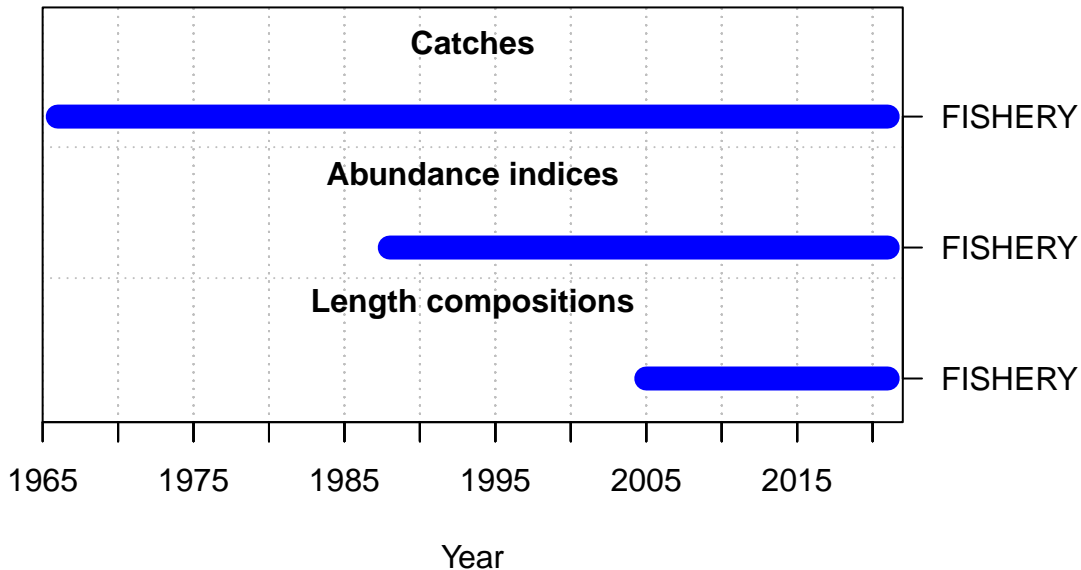


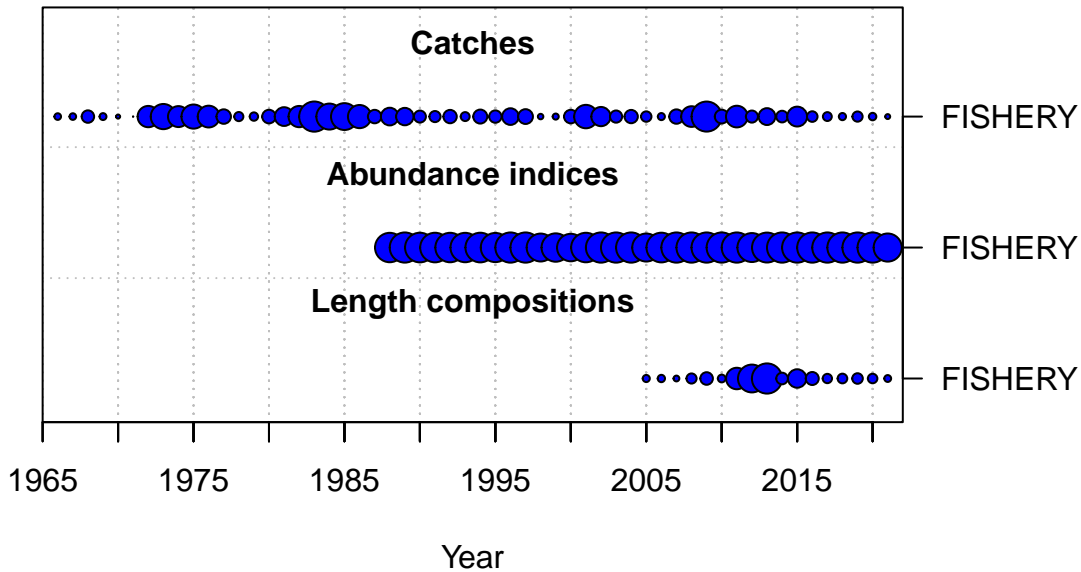


Surplus production (mt)

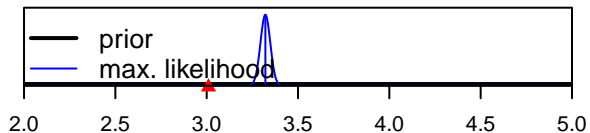




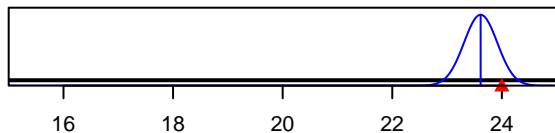




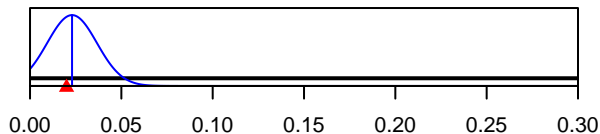
SR_LN(R0)



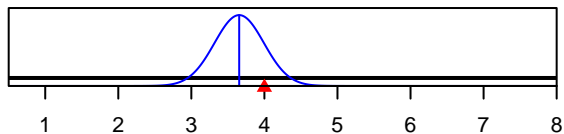
Size_inflection_FISHERY(1)



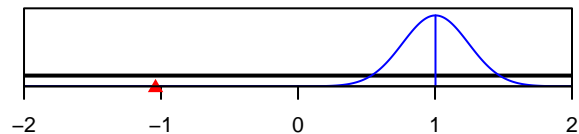
InitF_seas_1_flt_1FISHERY



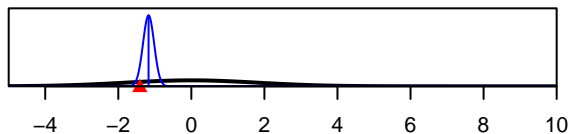
Size_95%width_FISHERY(1)



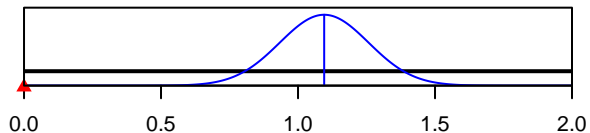
LnQ_base_FISHERY(1)



ln(DM_theta)_1



Q_extraSD_FISHERY(1)



Parameter value