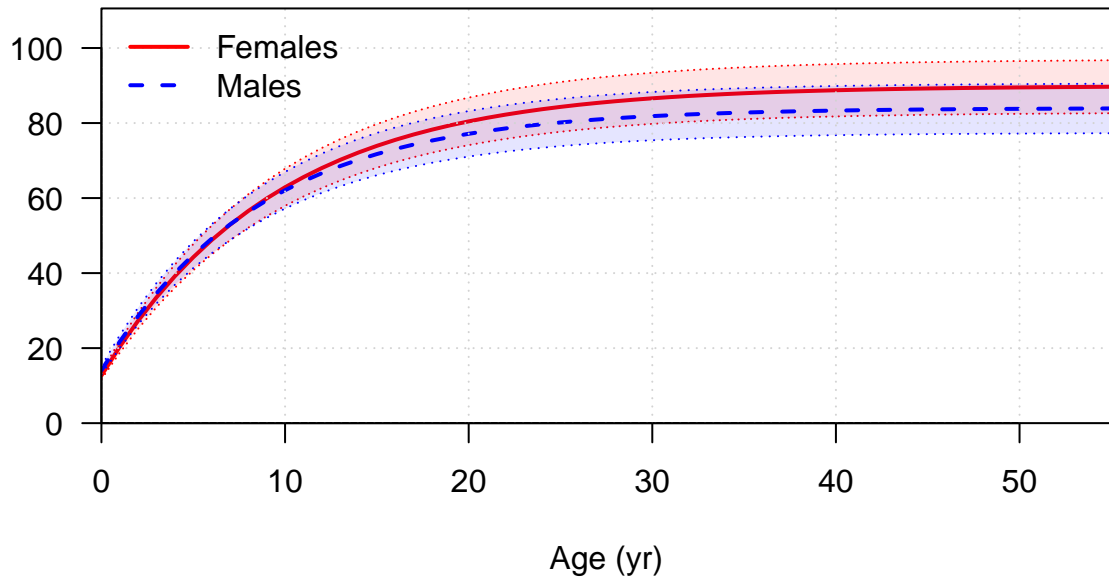
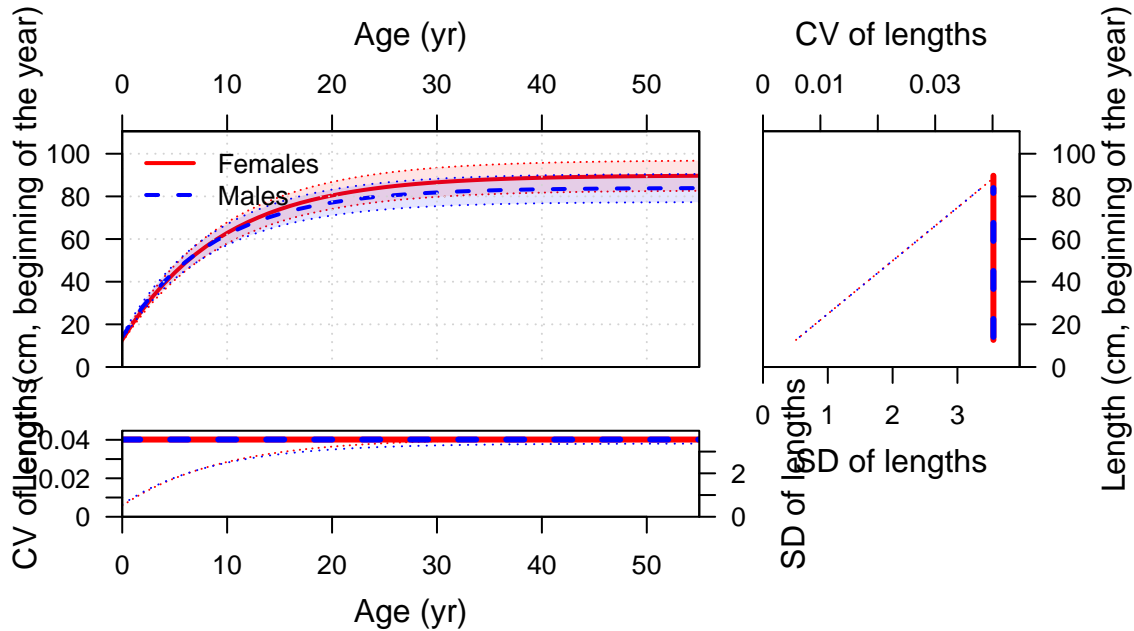
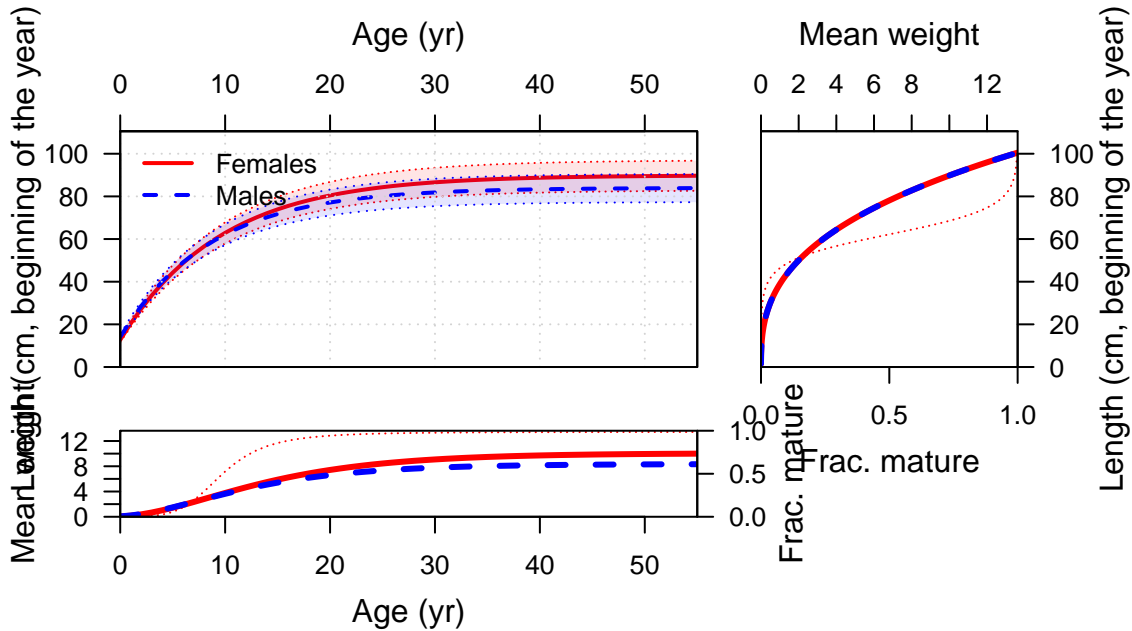


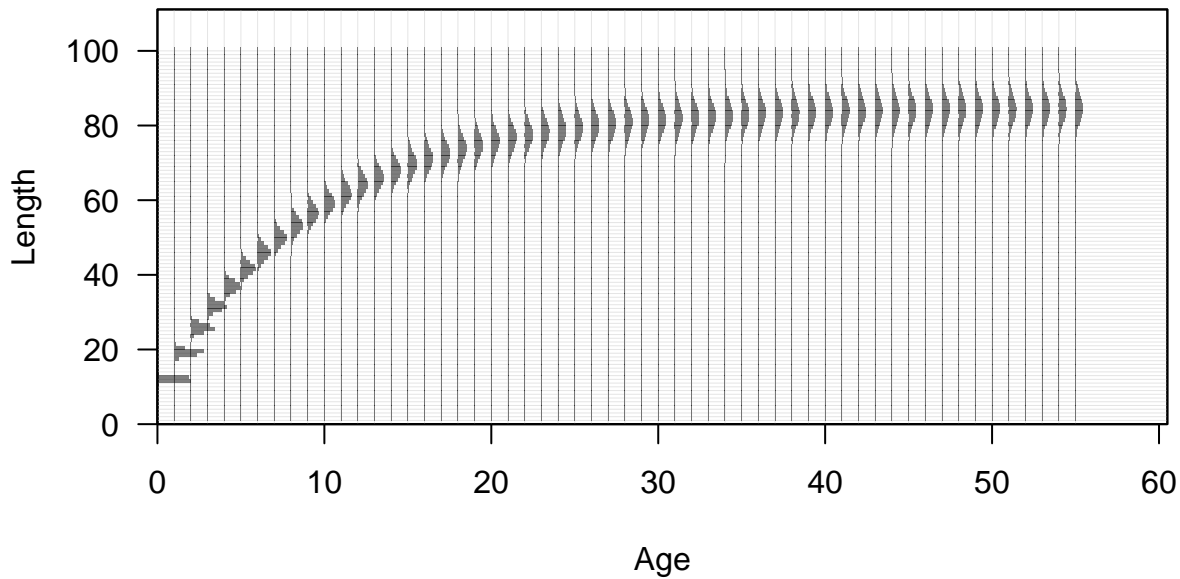
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Feb 14 14:19:59 2023
Data_File: data.ss
Control_File: control.ss

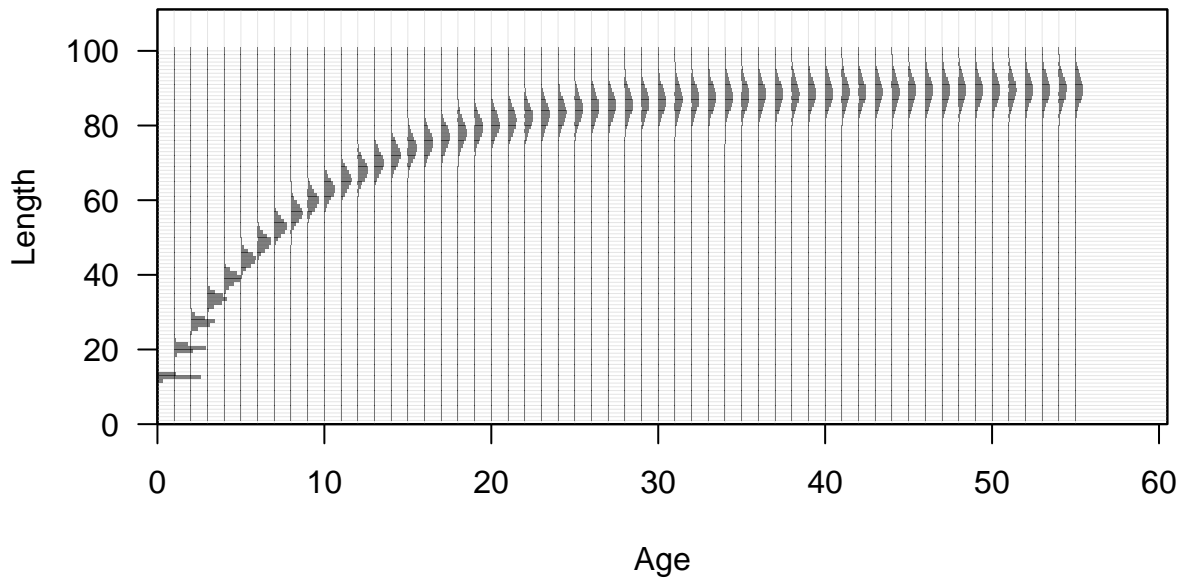
Length (cm, beginning of the year)

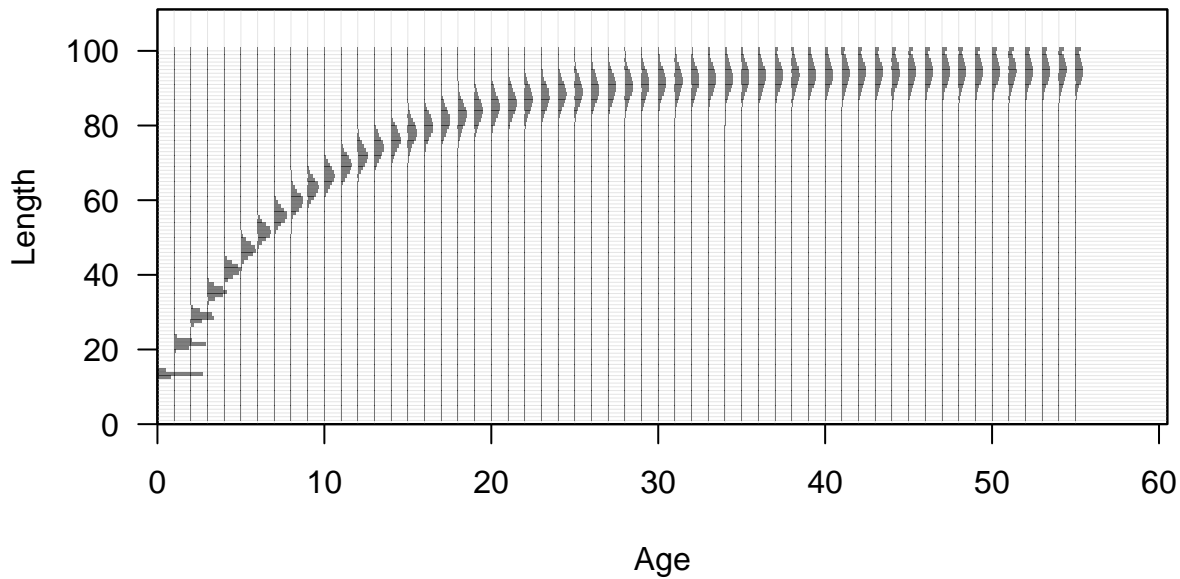


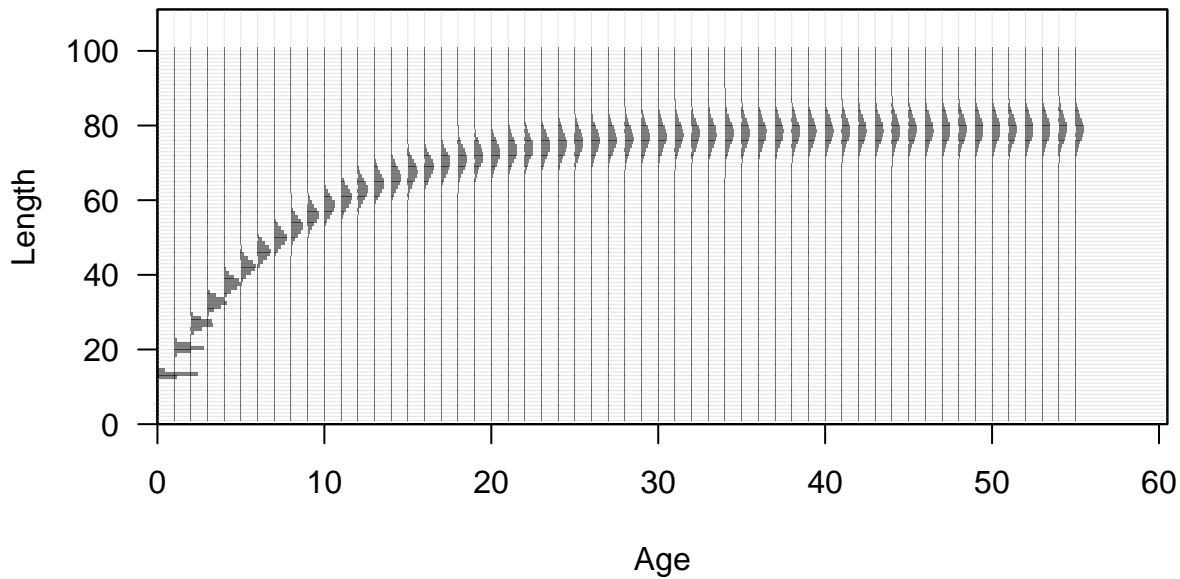


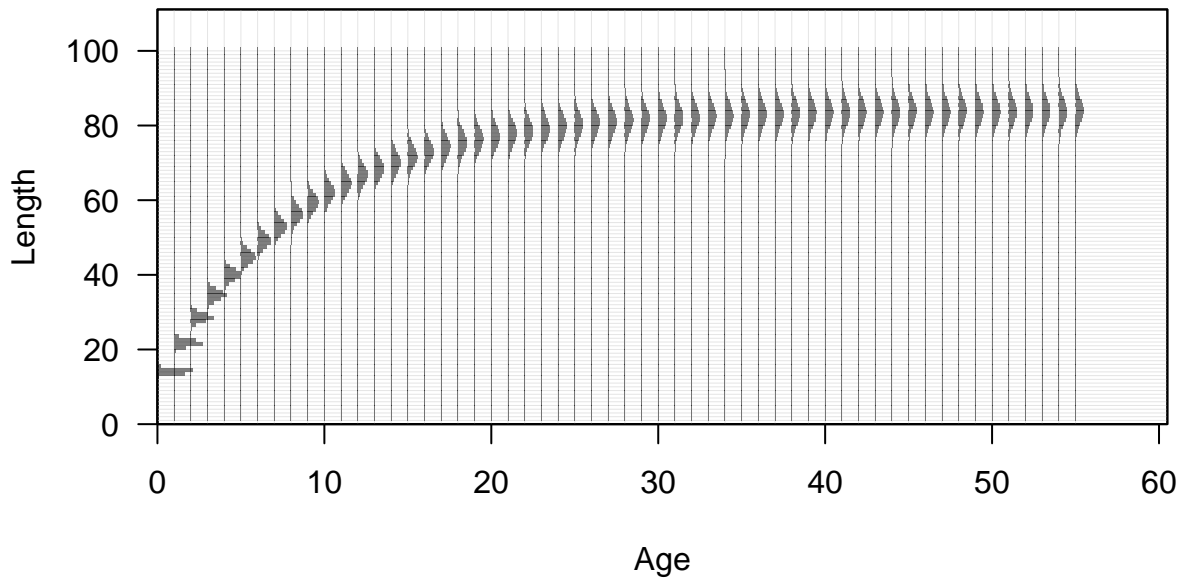


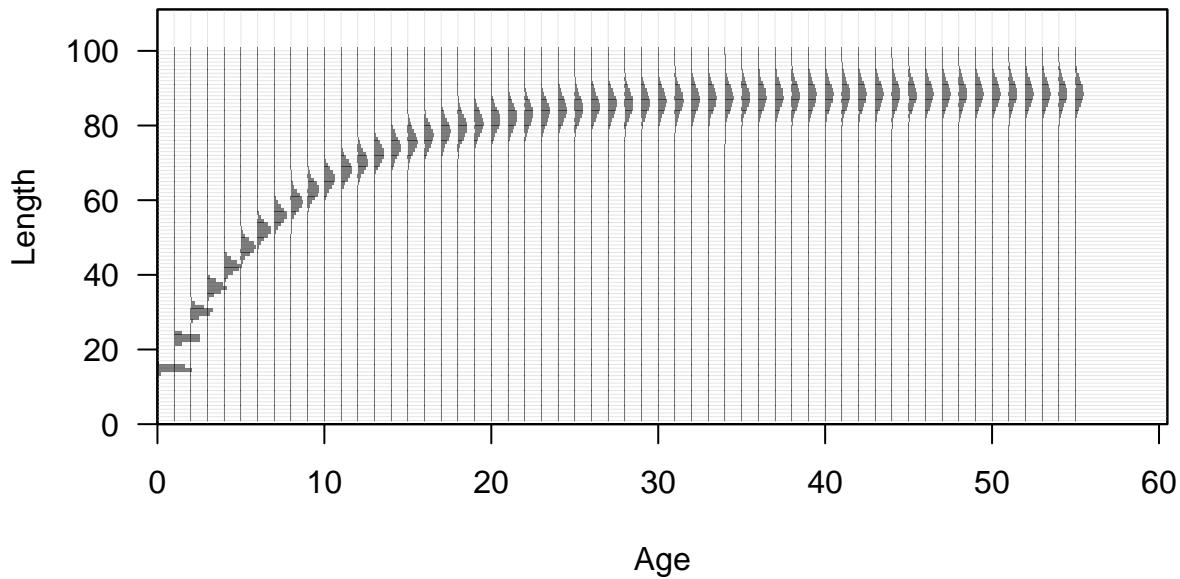


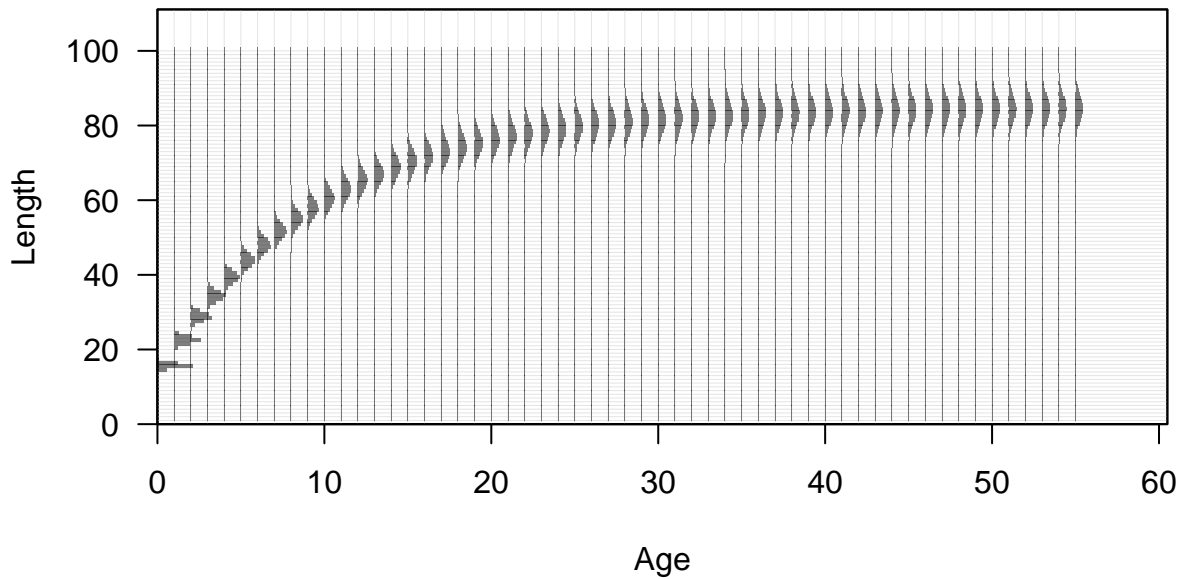


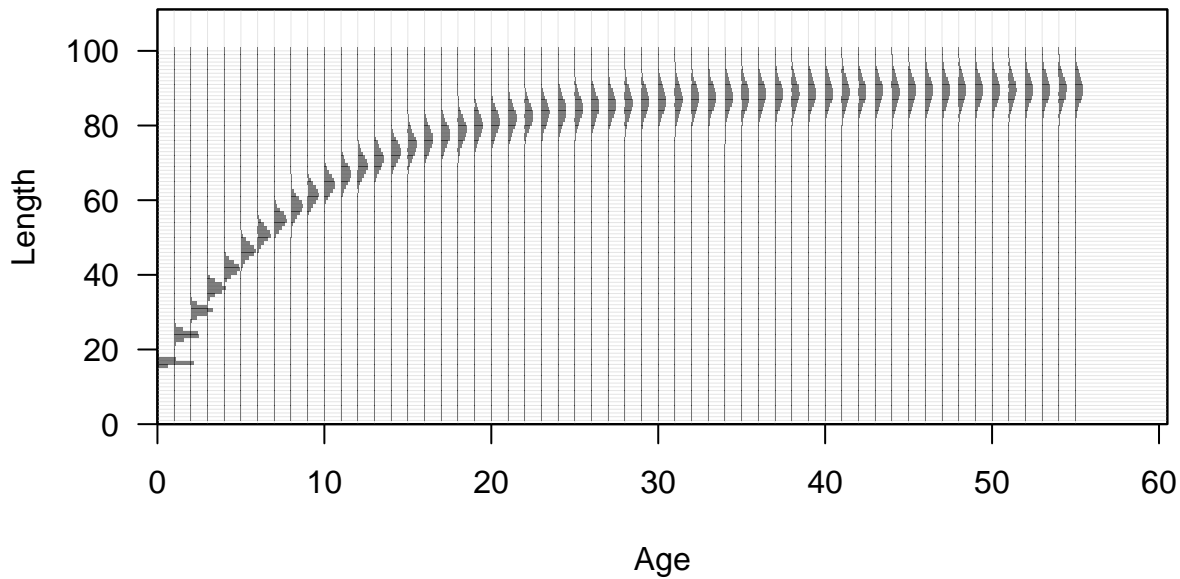


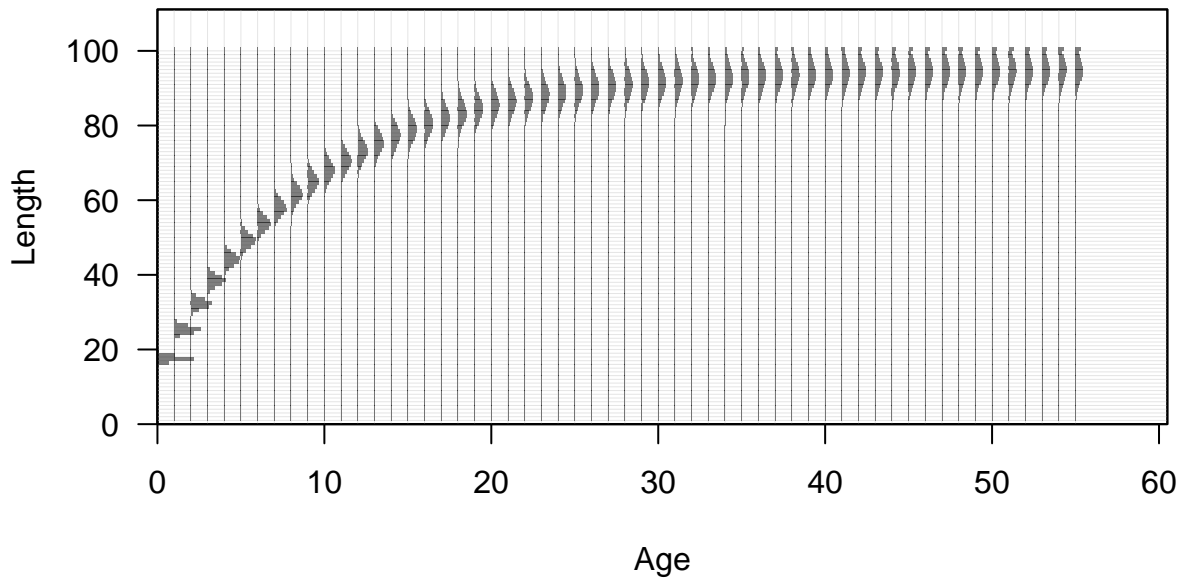


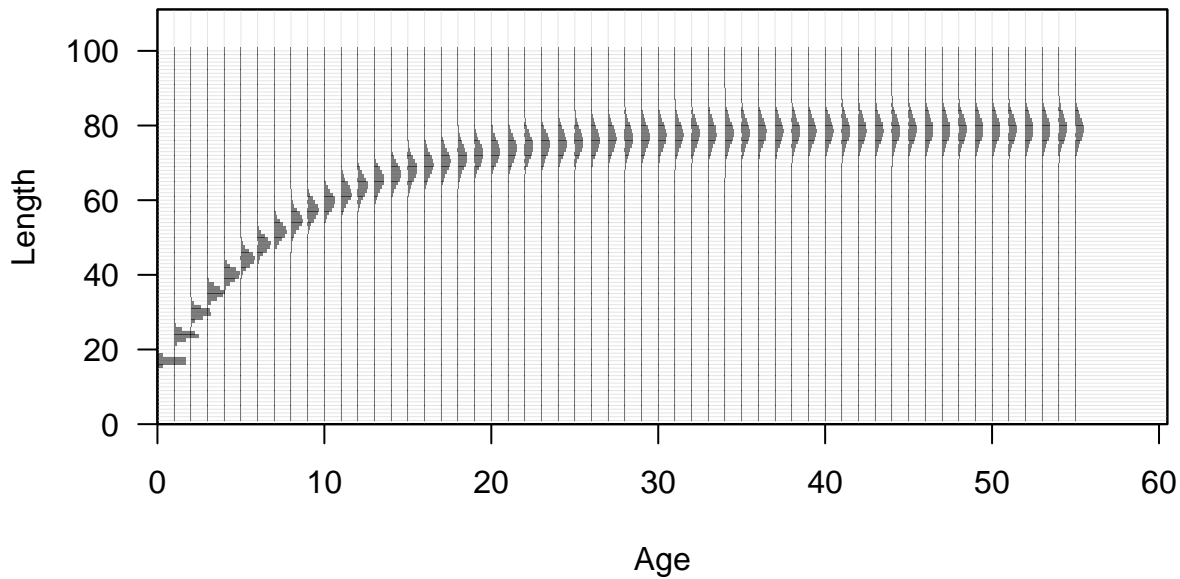


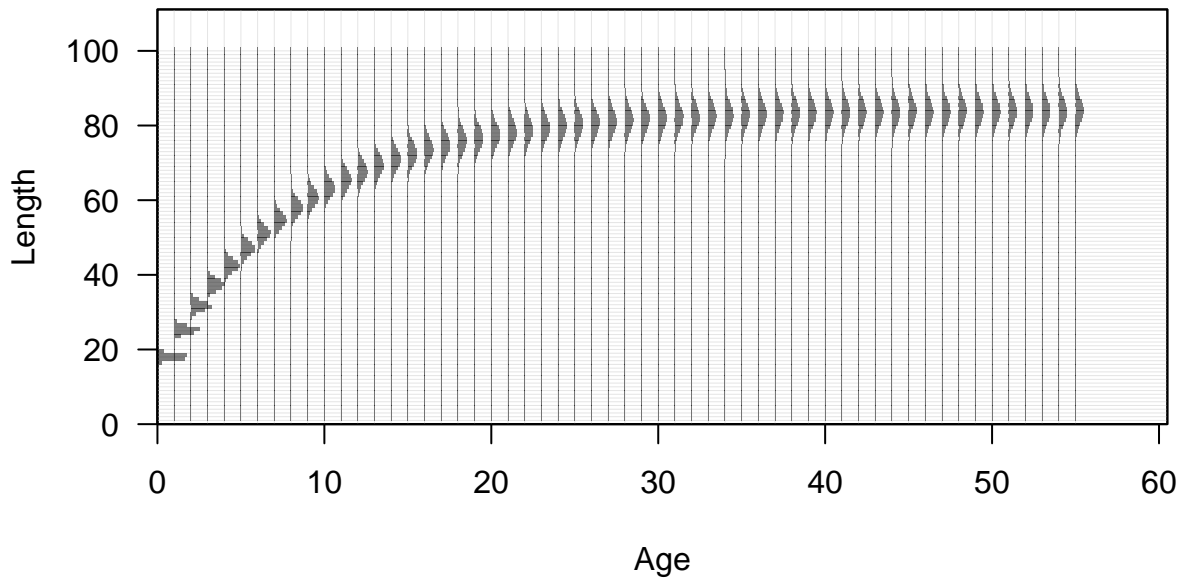


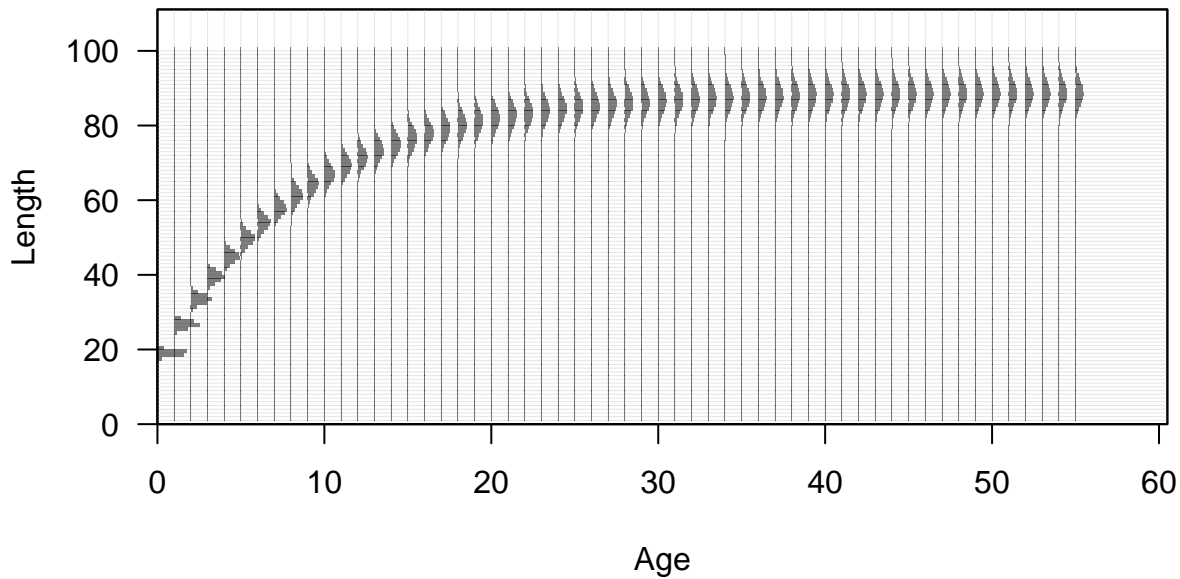


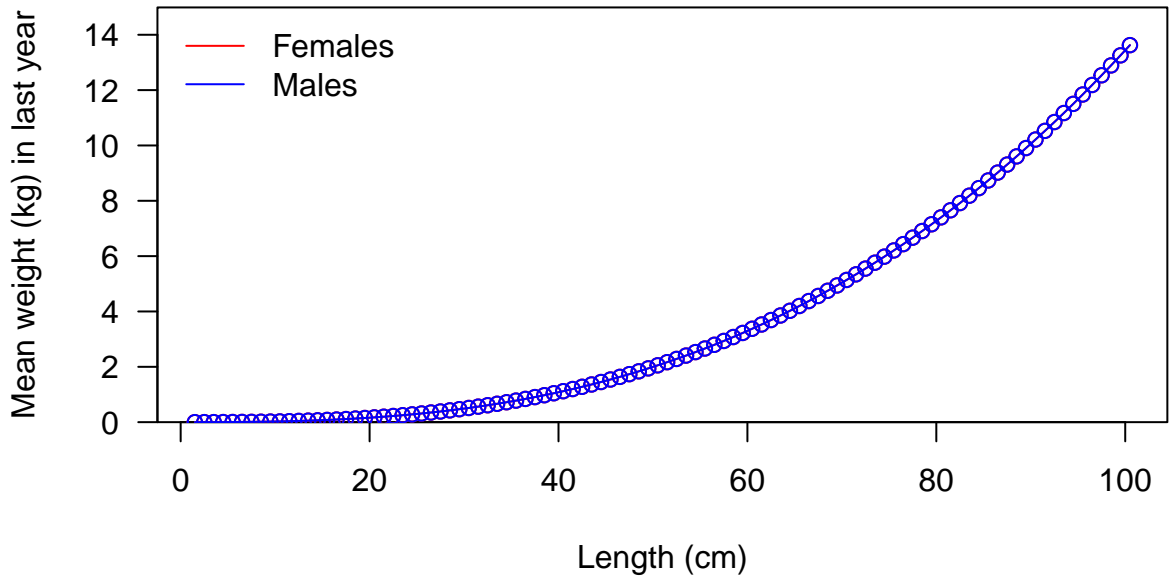


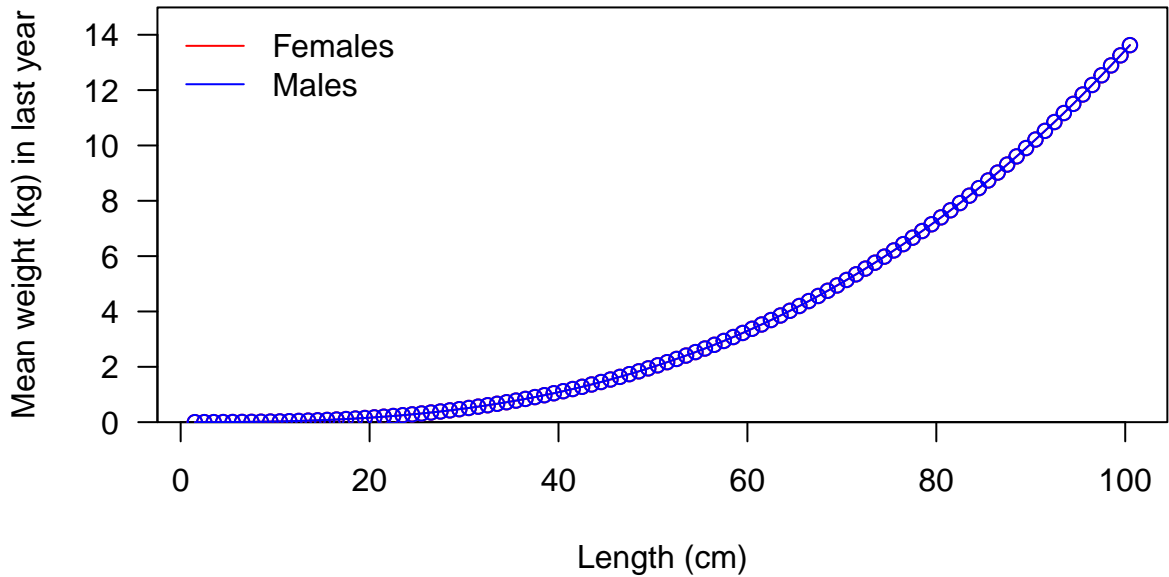


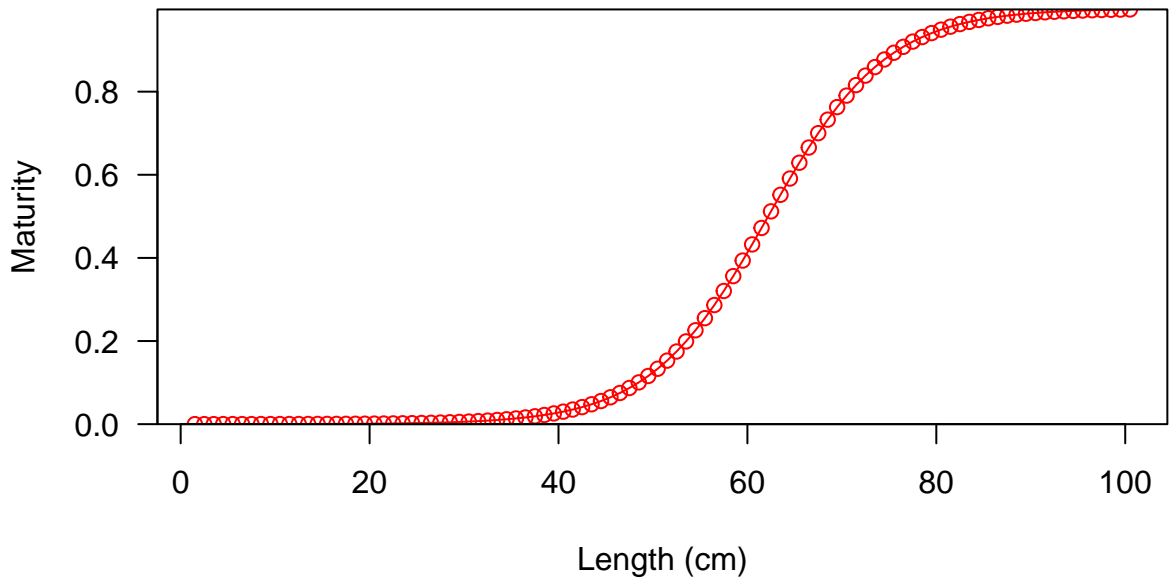


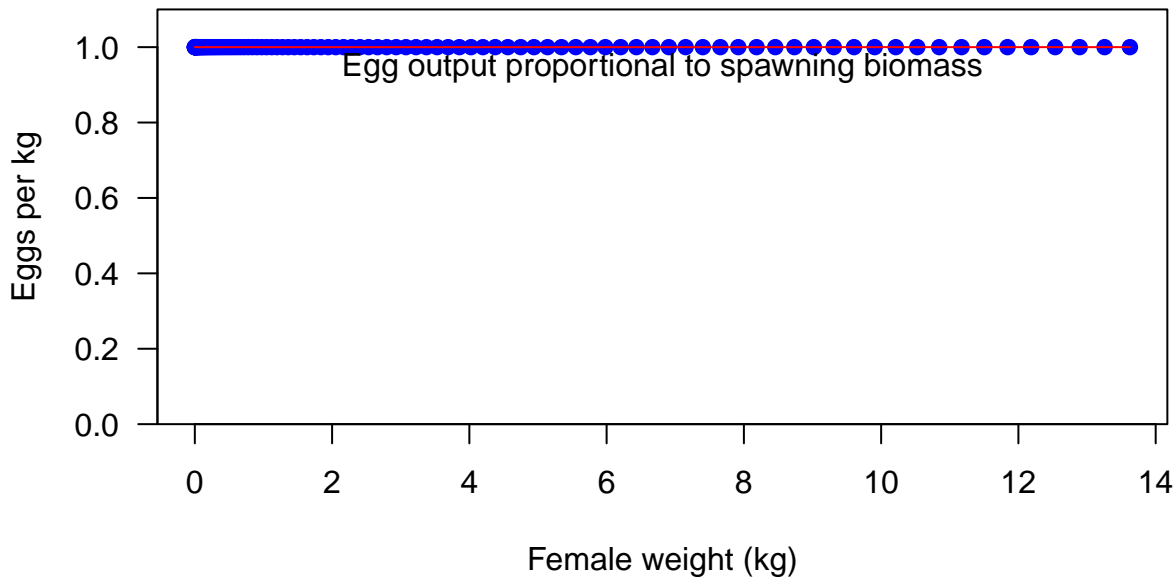




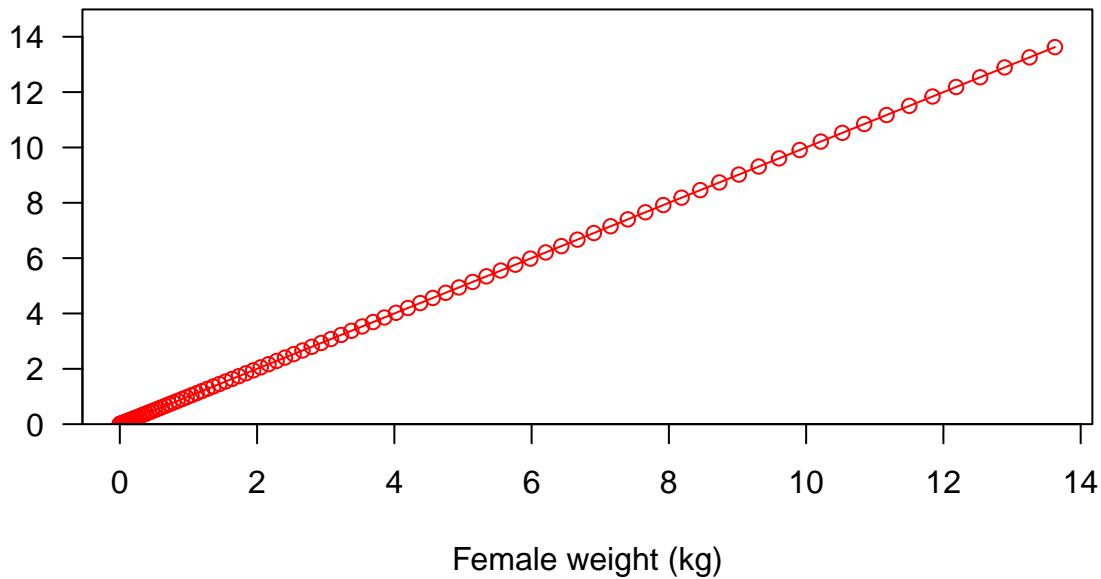




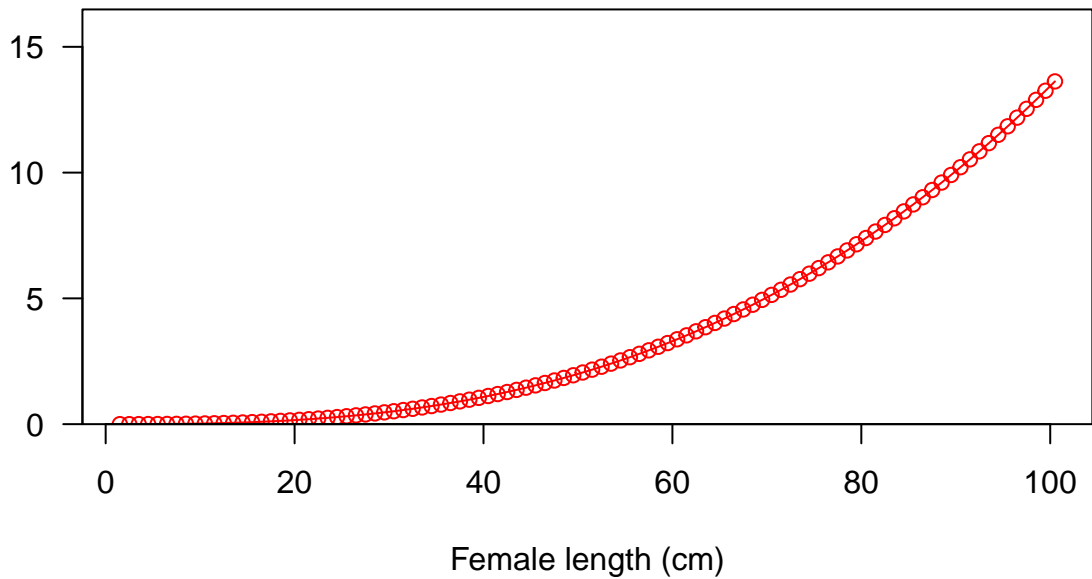




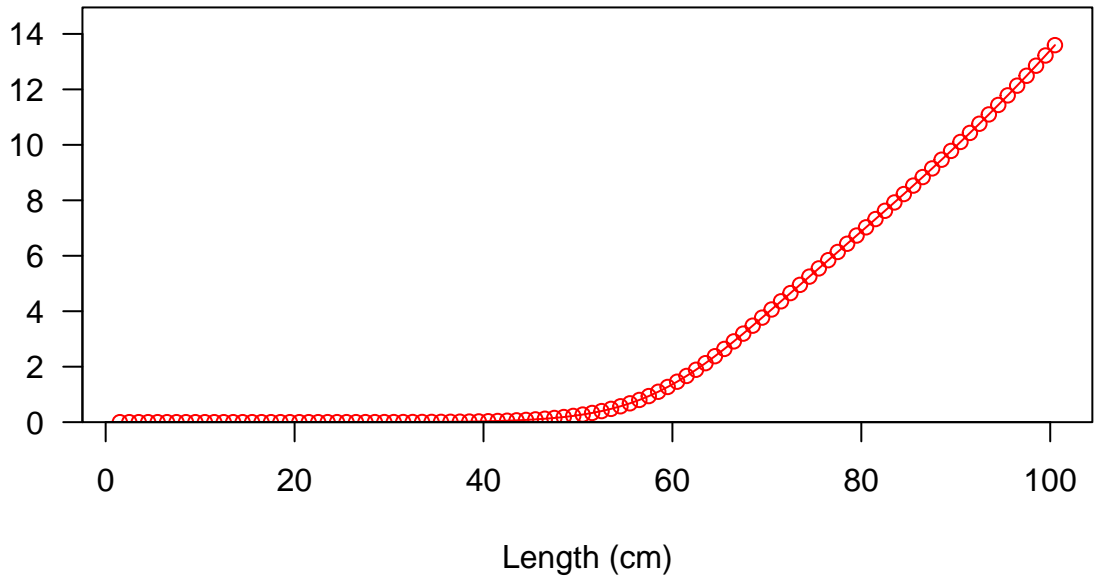
Fecundity



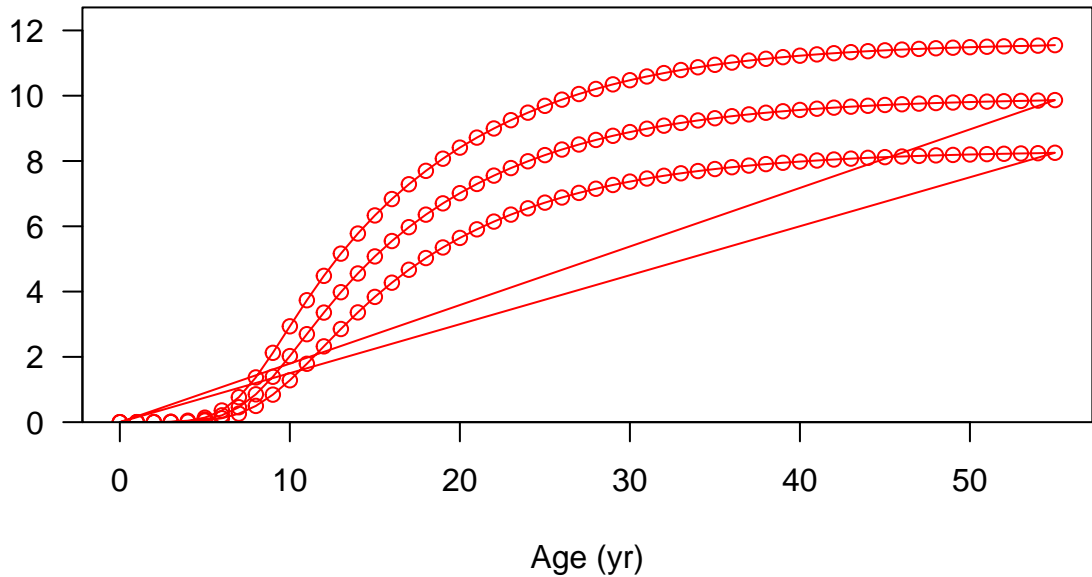
Fecundity



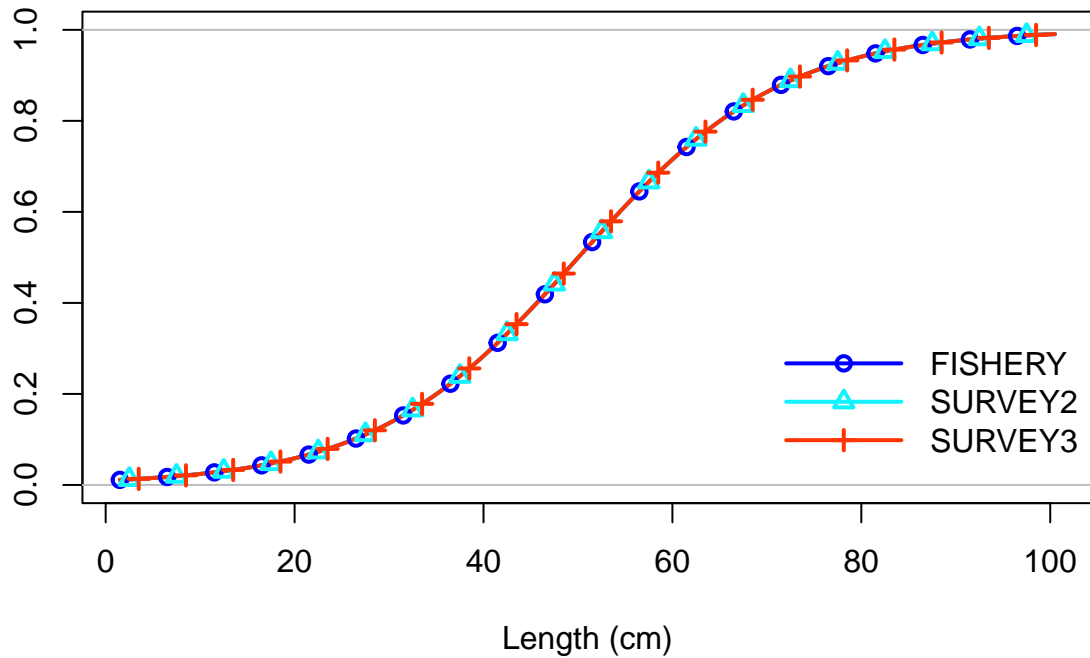
Spawning output



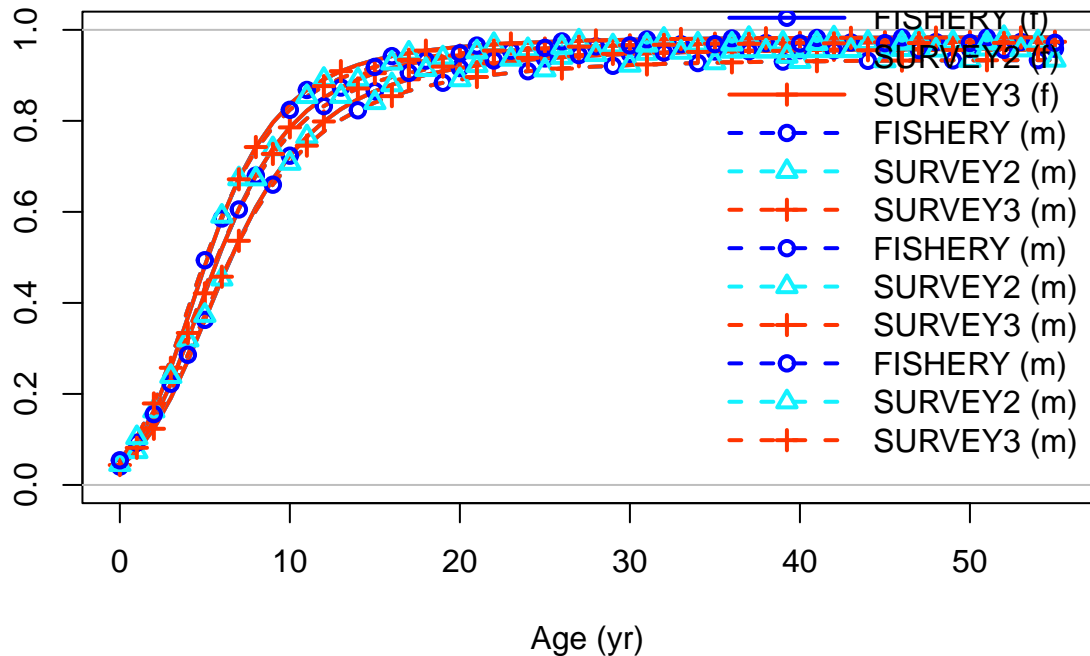
Spawning output



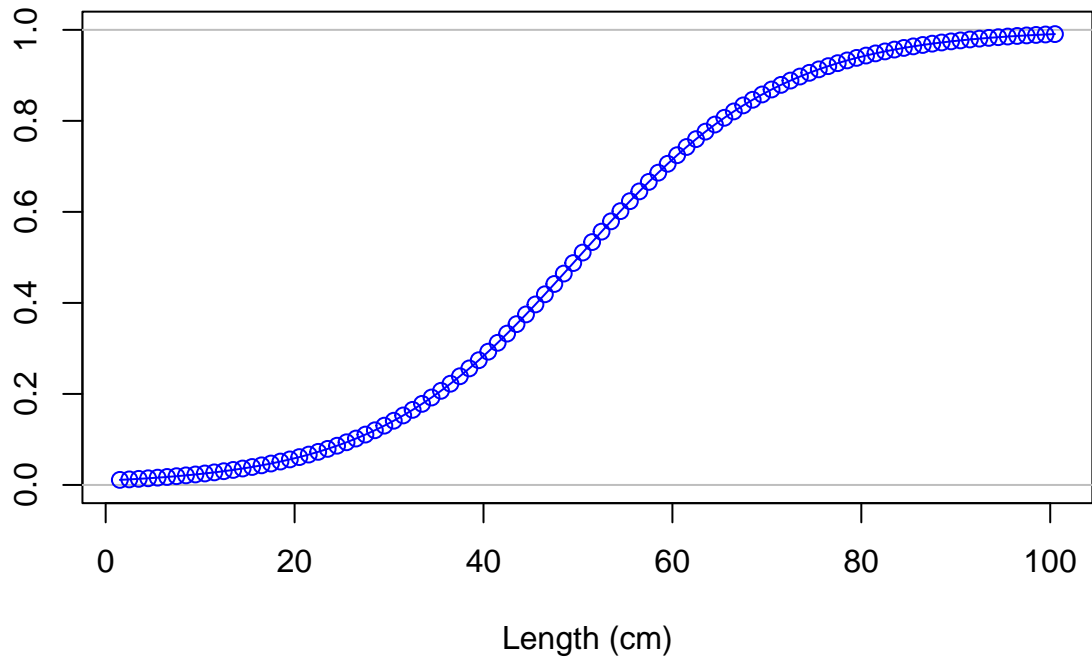
Selectivity



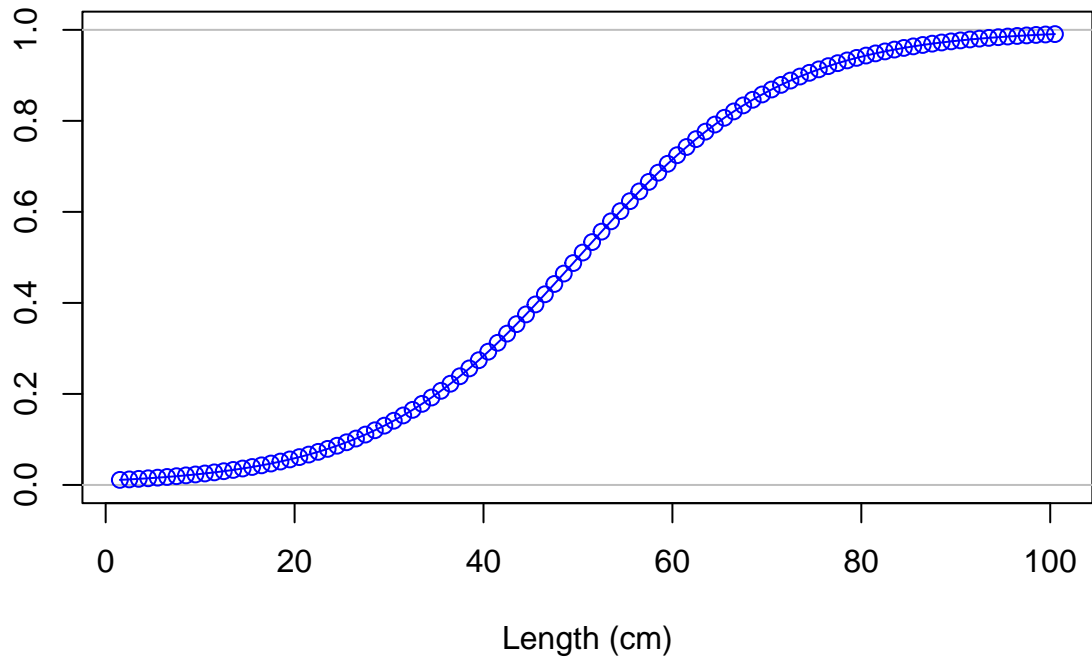
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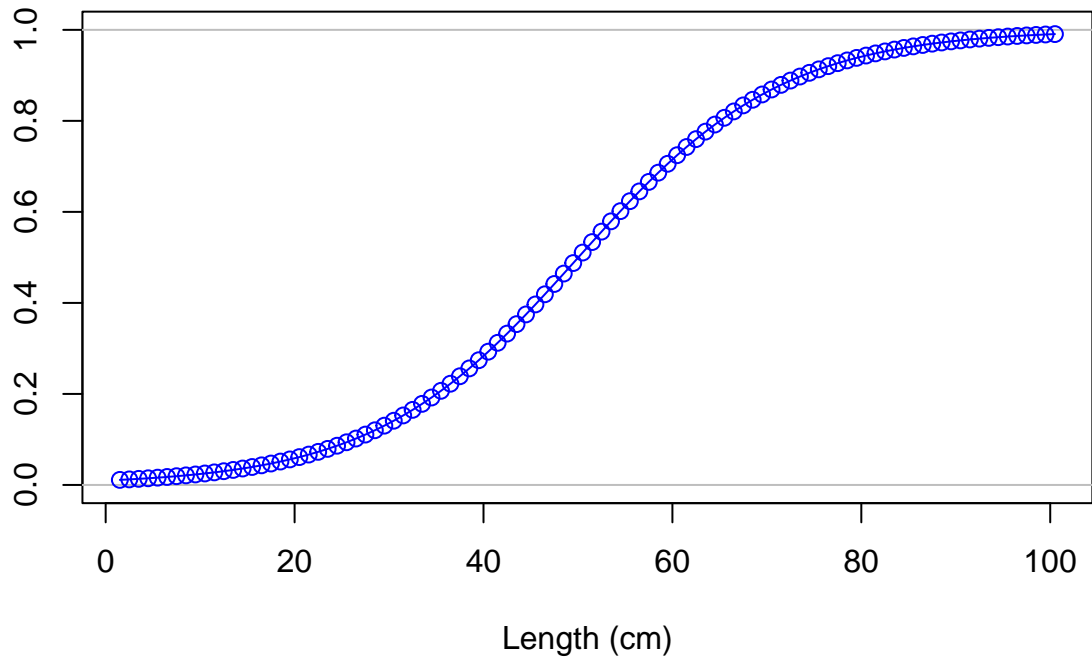
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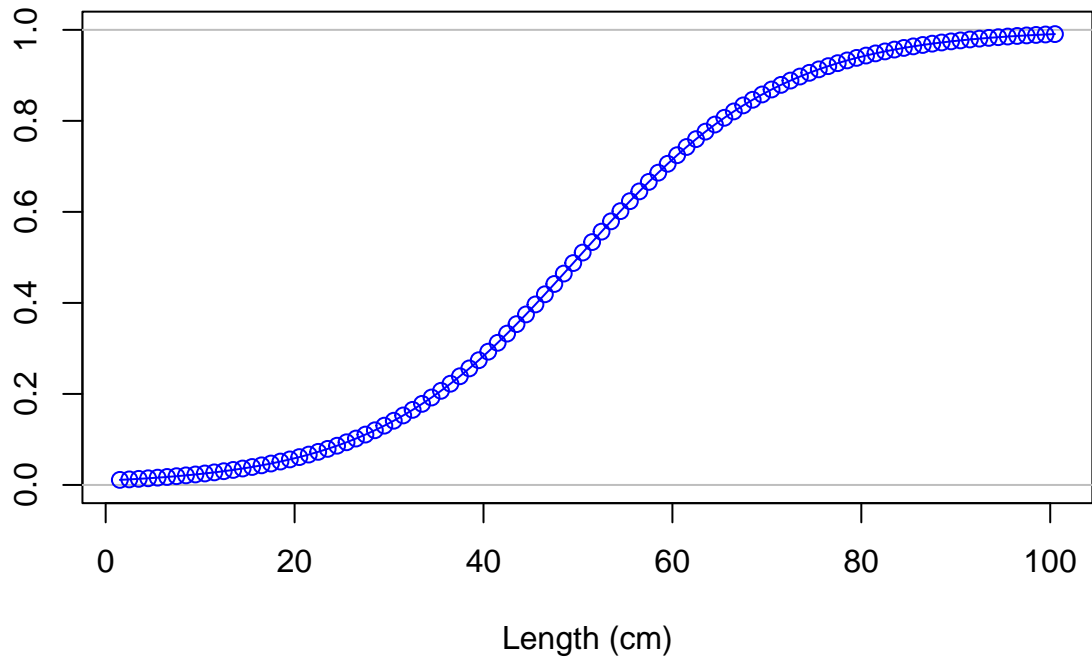
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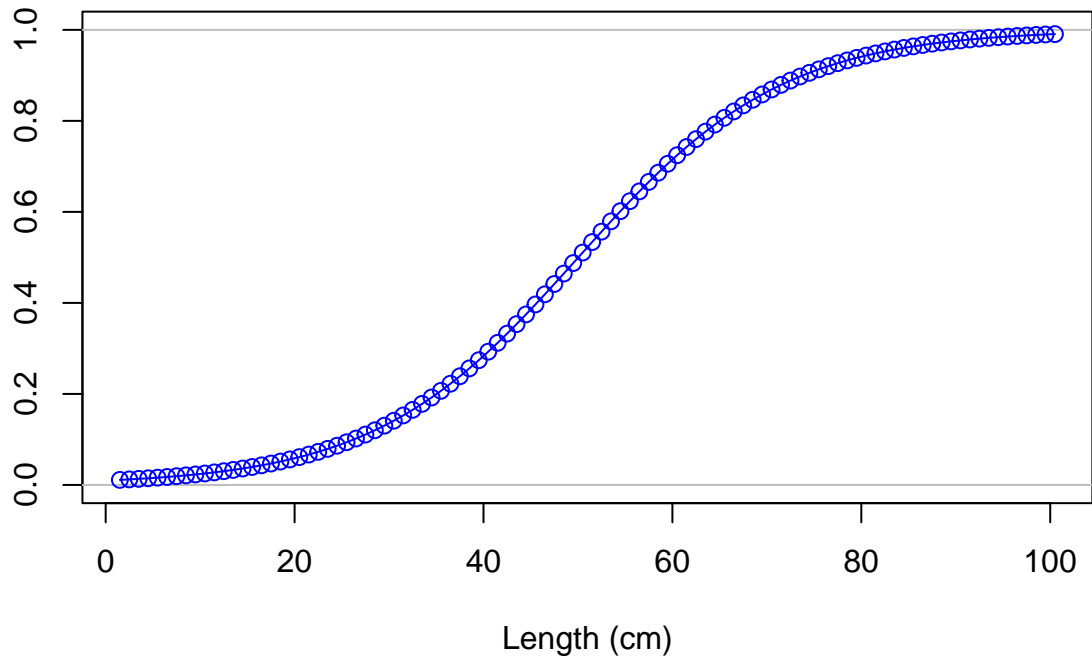
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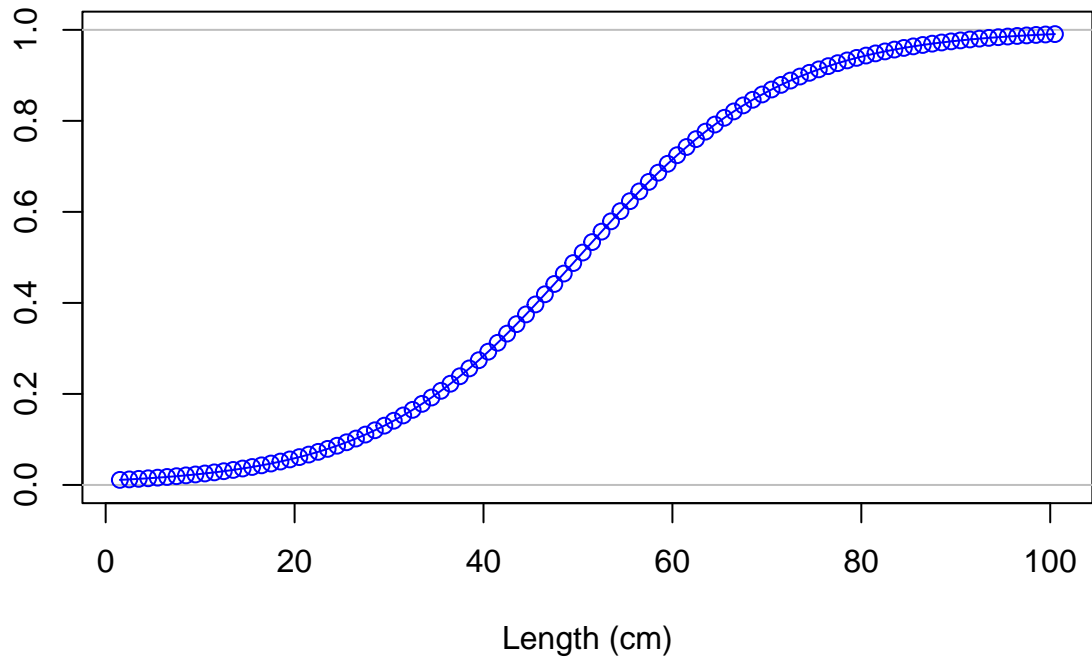
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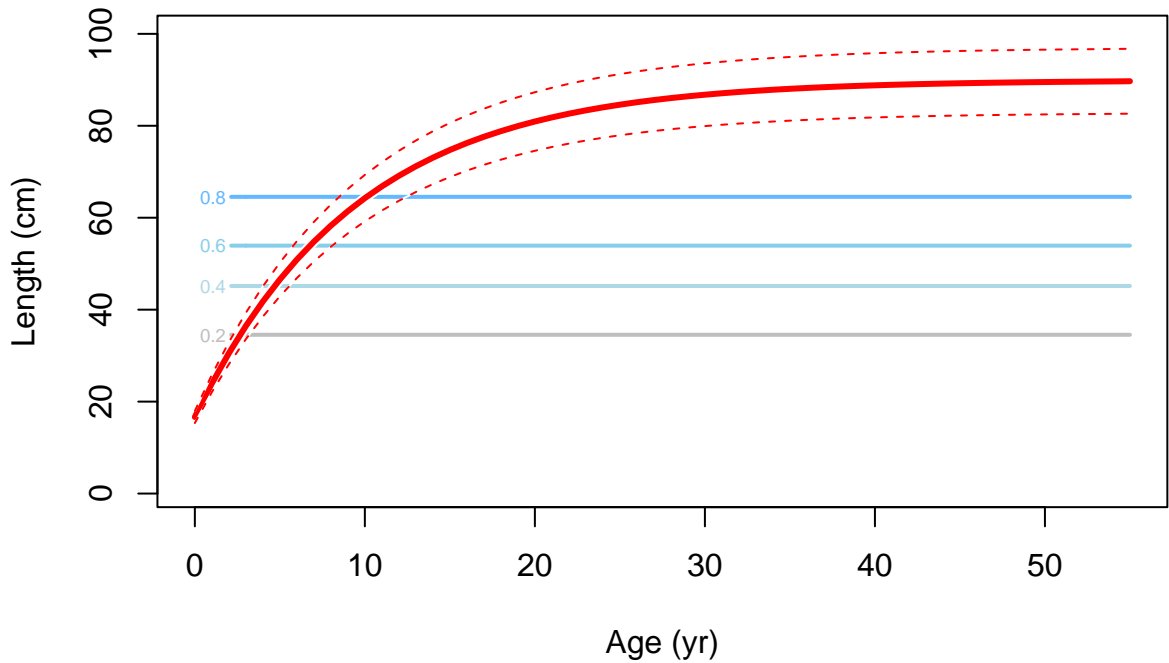


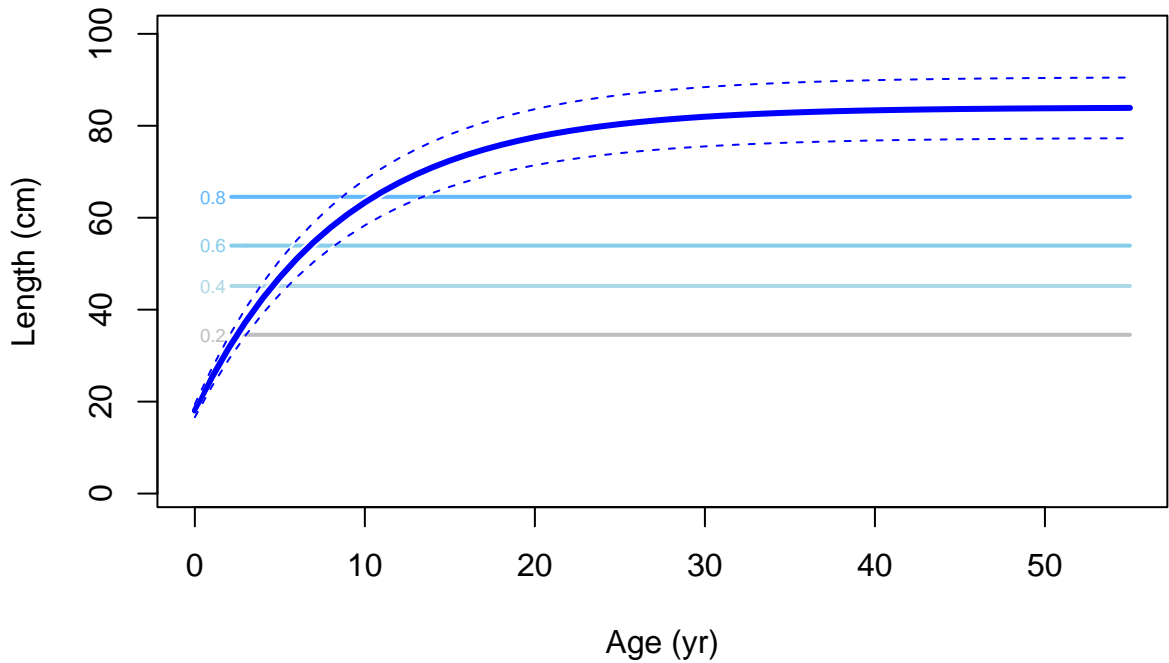
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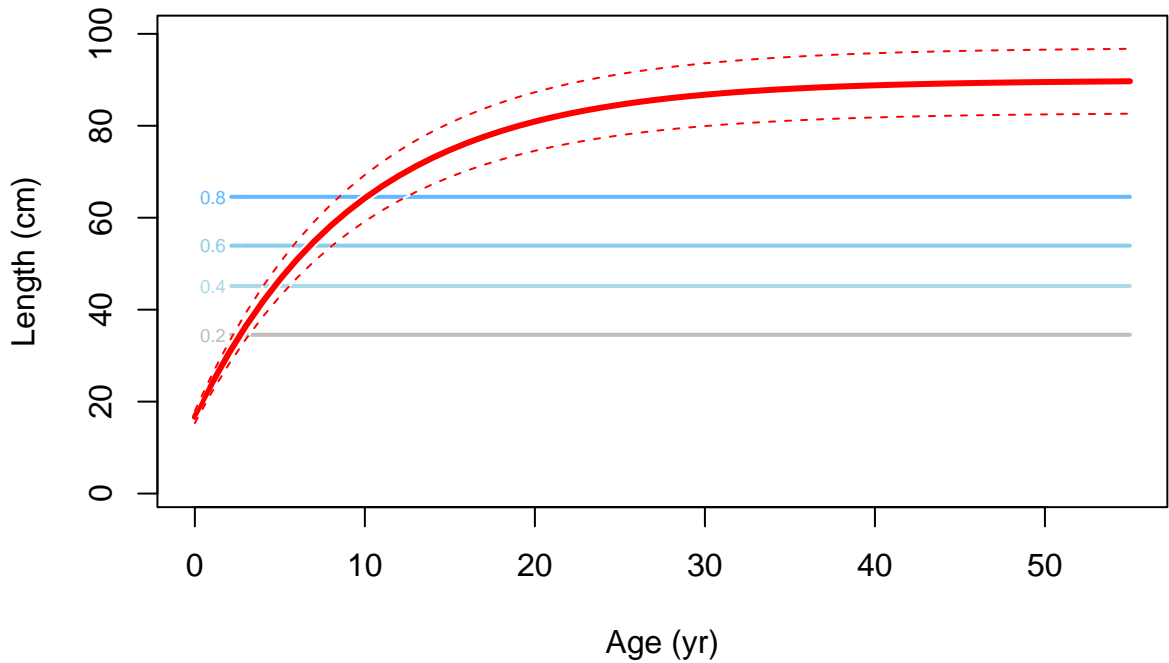


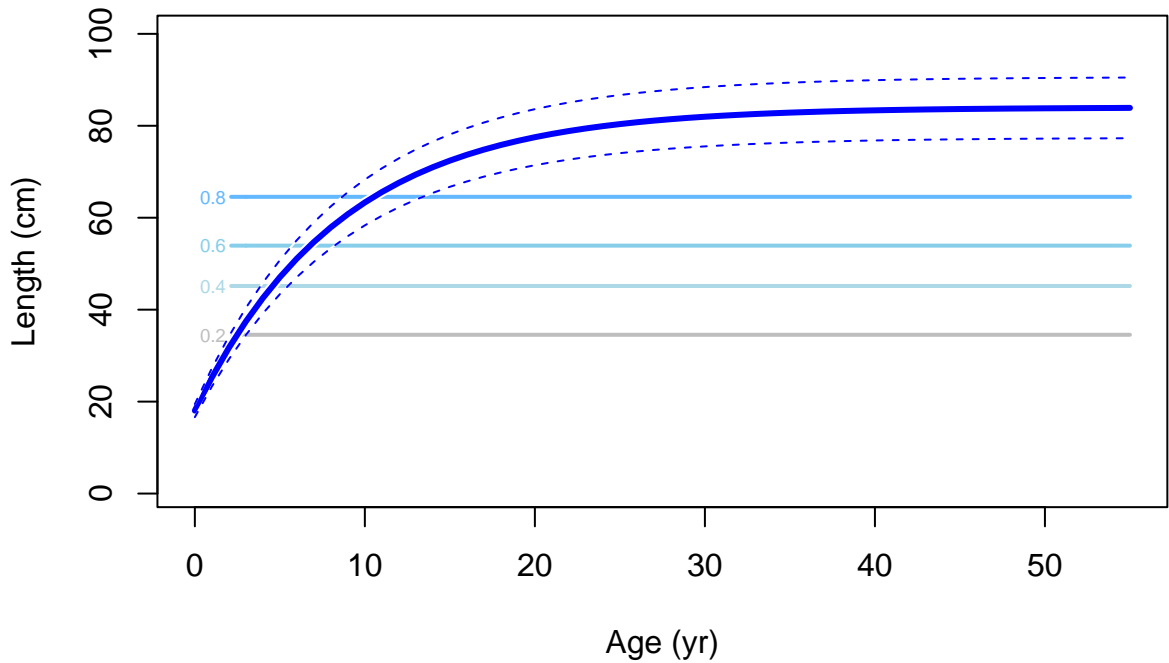
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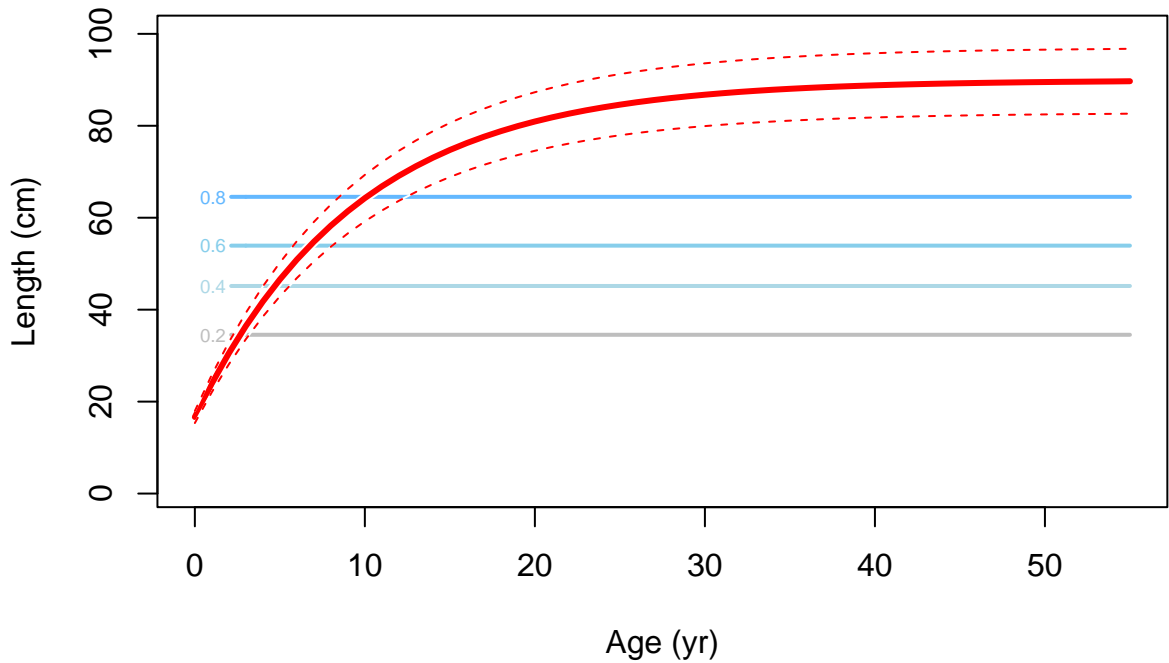


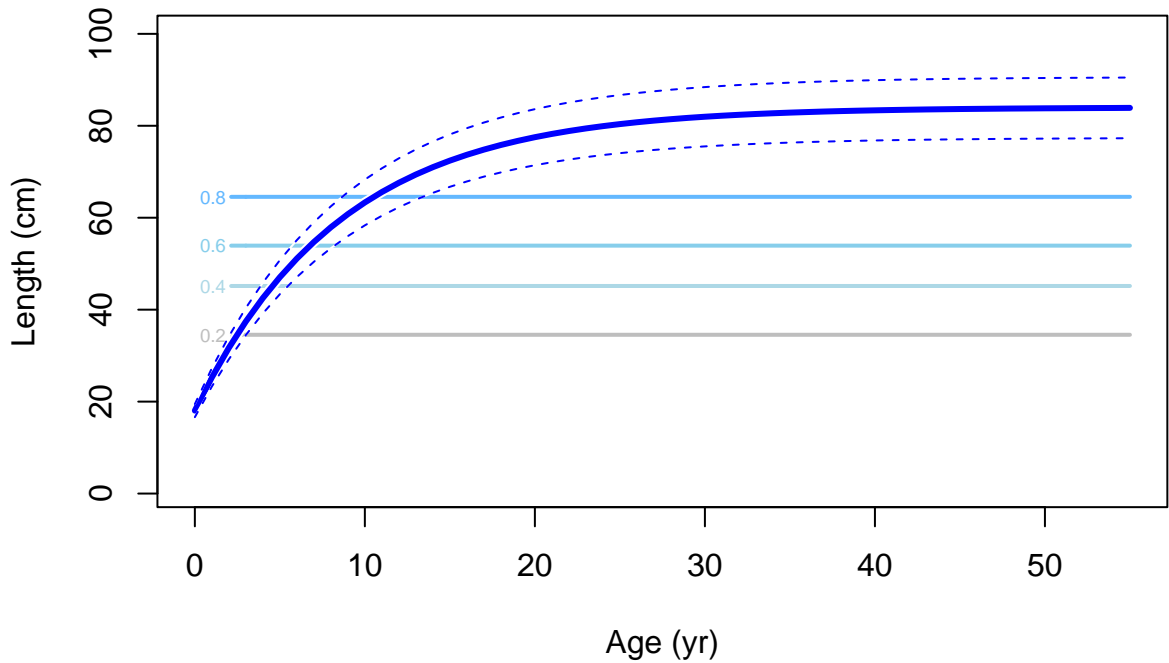


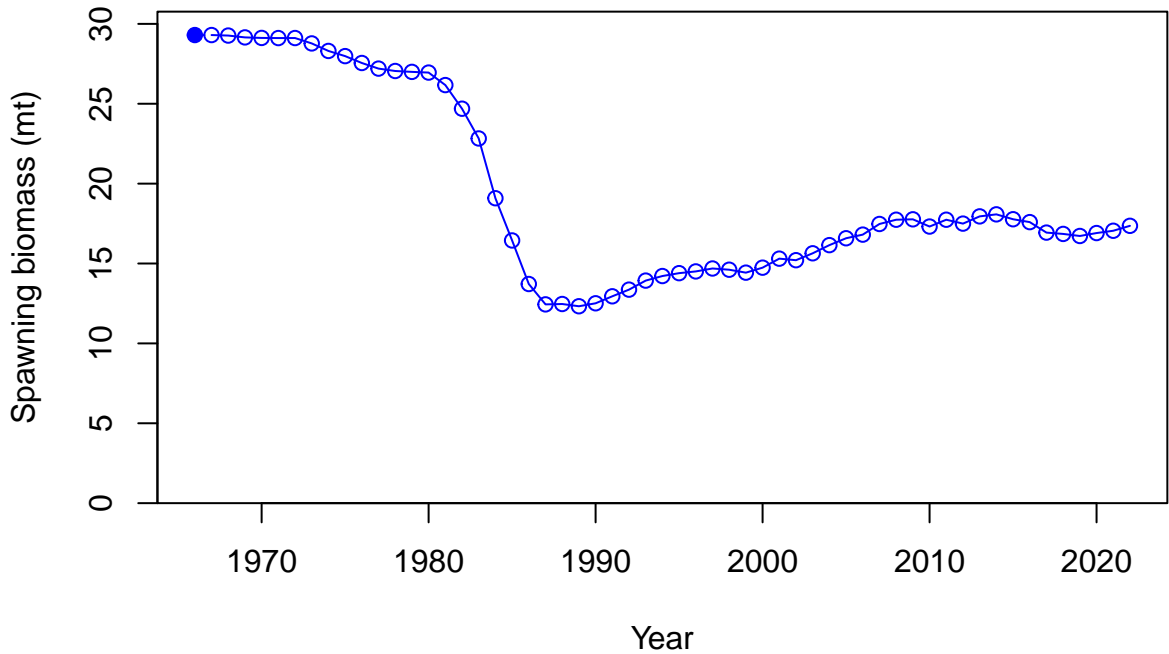




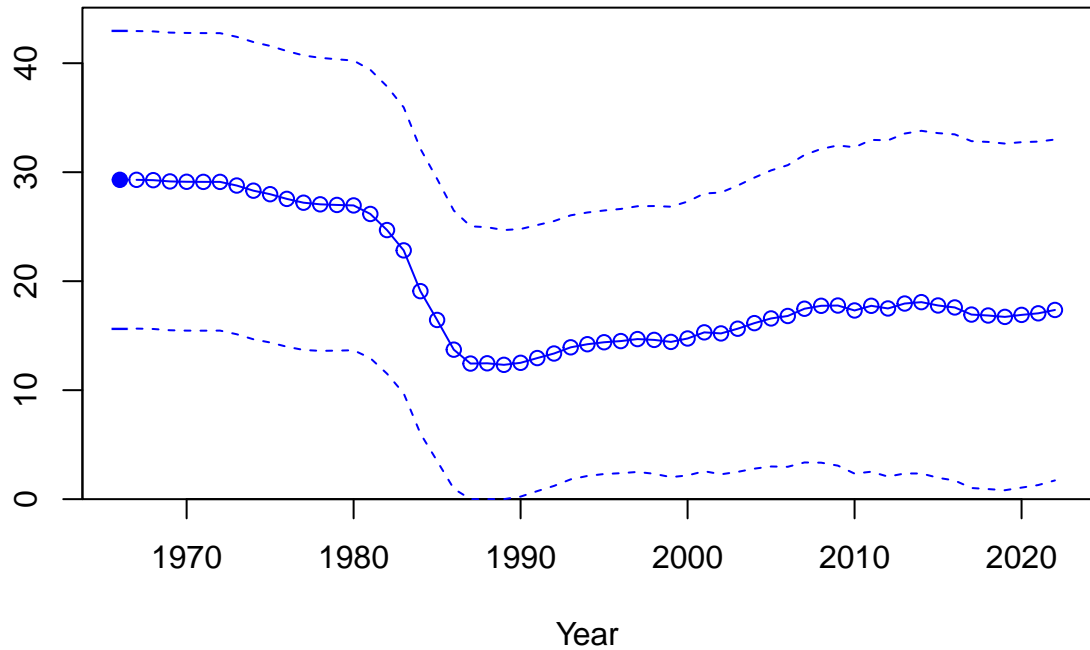




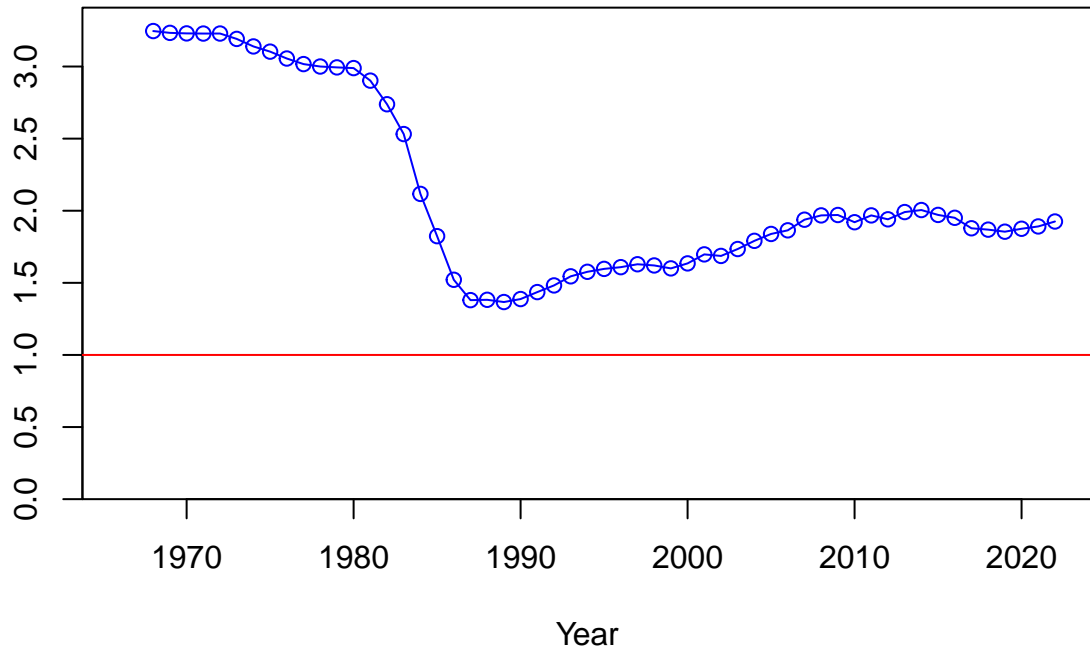




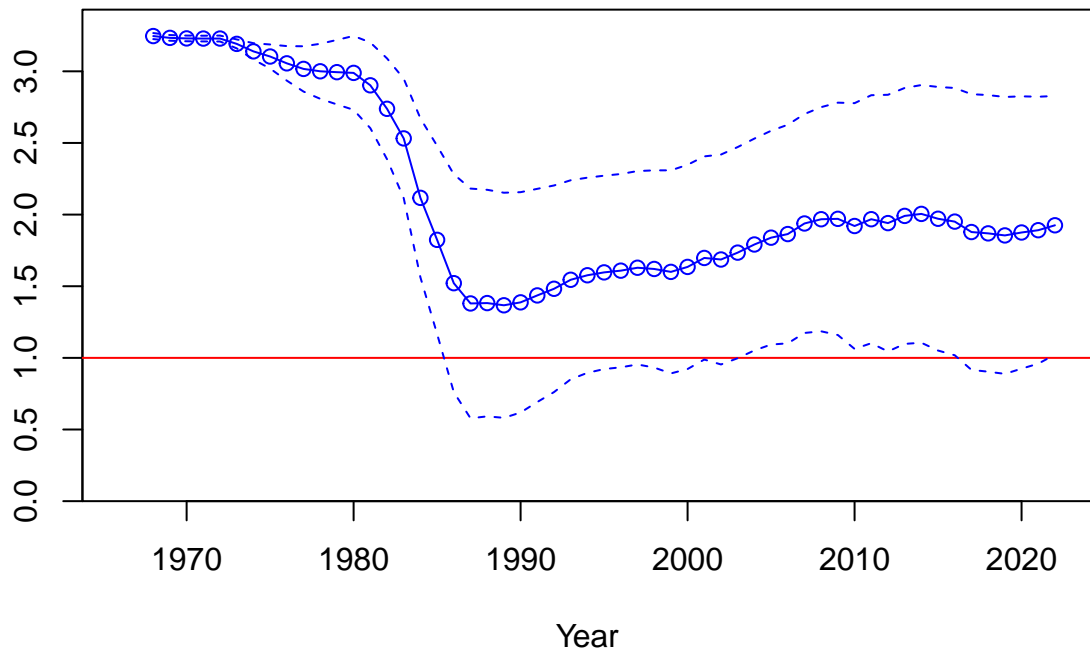
Spawning biomass (mt)

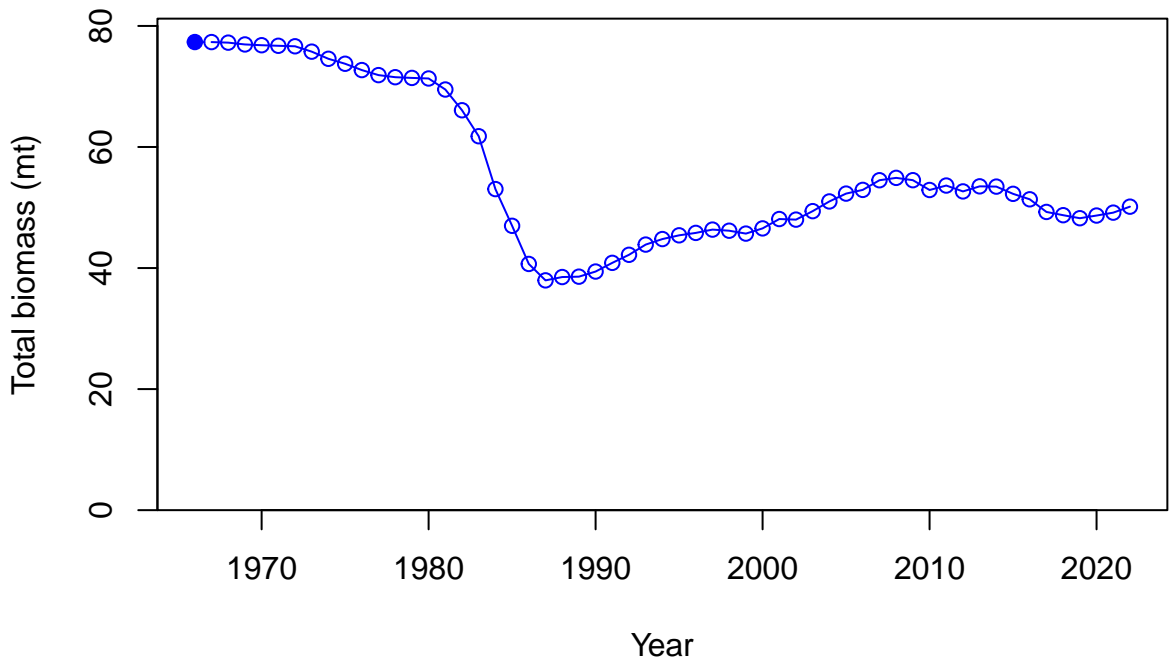


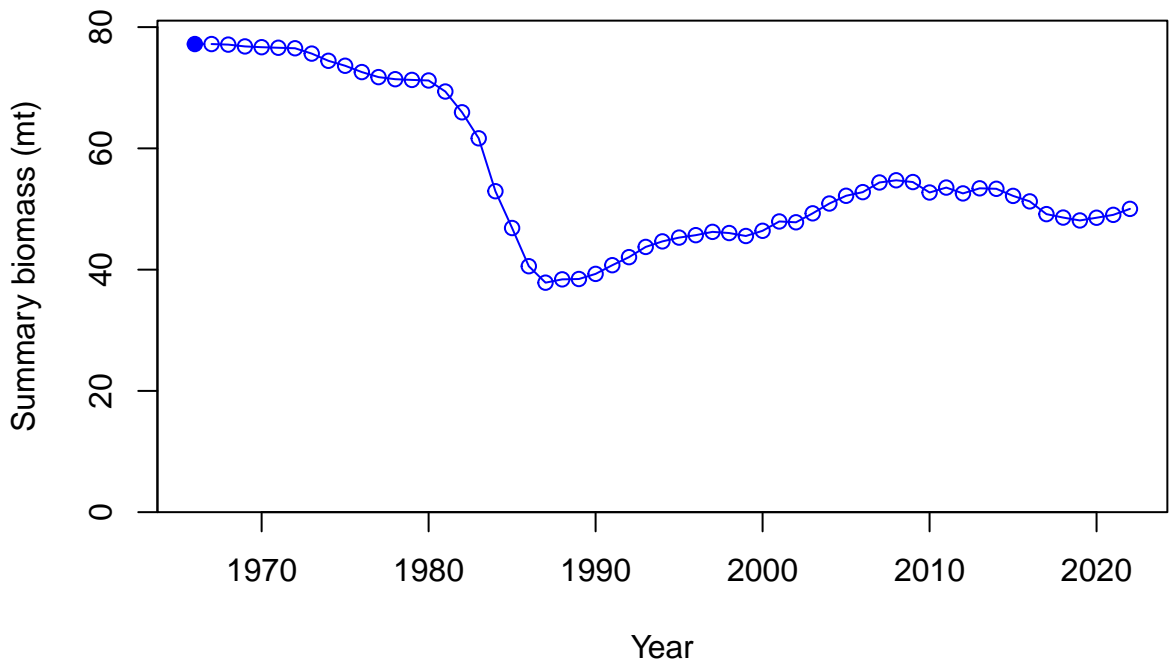
Relative spawning biomass: B/B_{MSY}



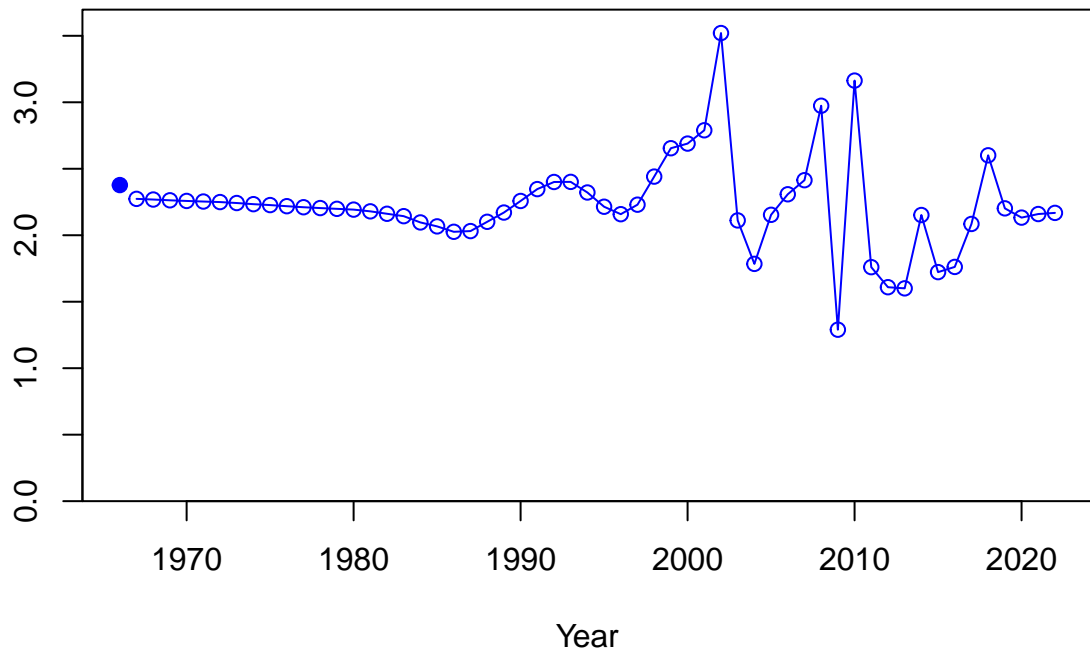
Relative spawning biomass: B/B_{MSY}



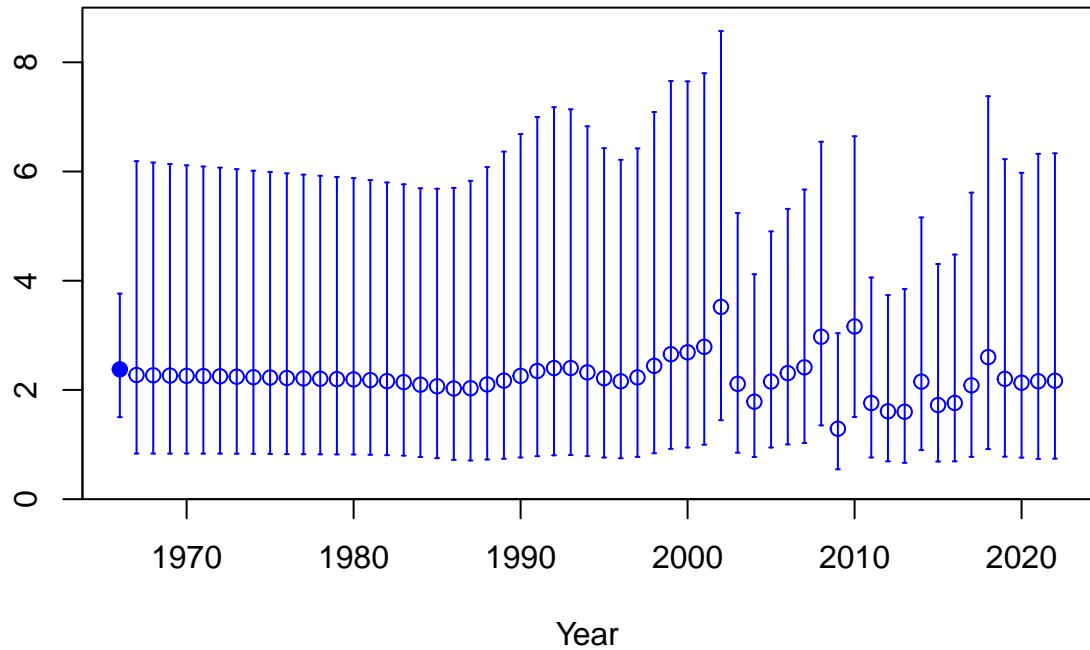




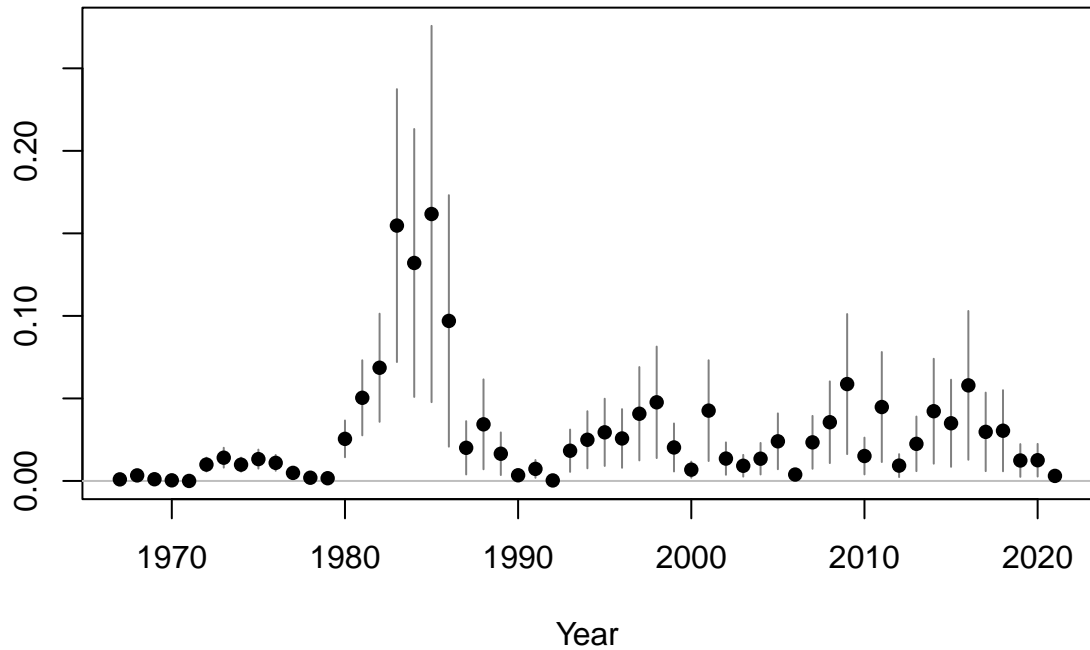
Age-0 recruits (1,000s)

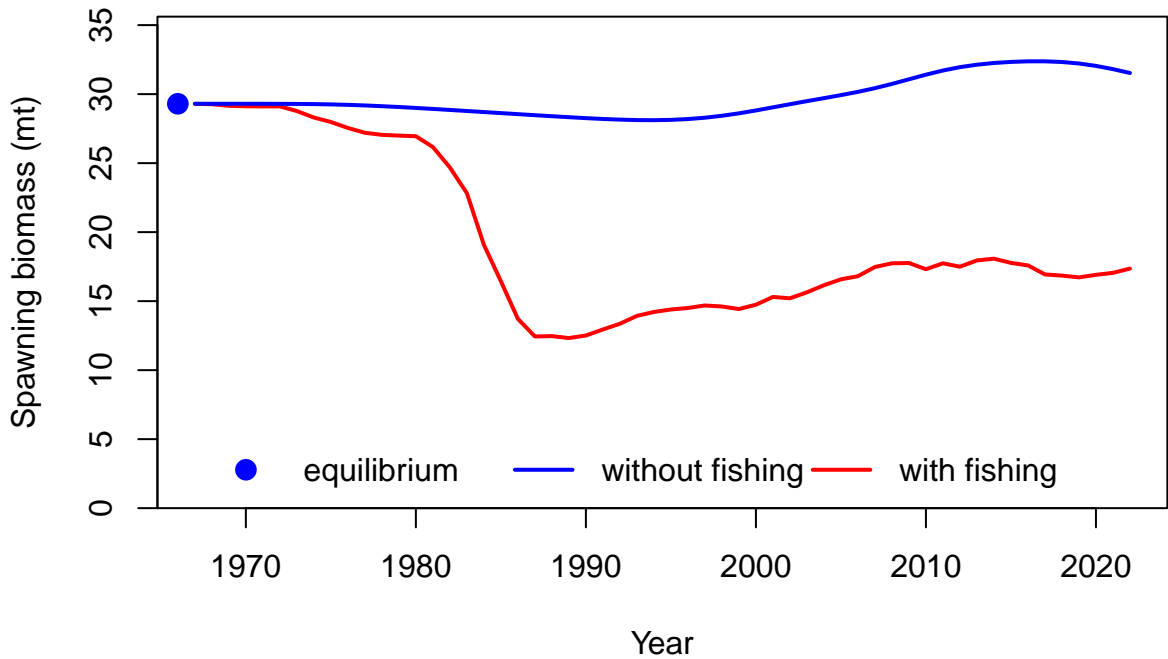


Age-0 recruits (1,000s)

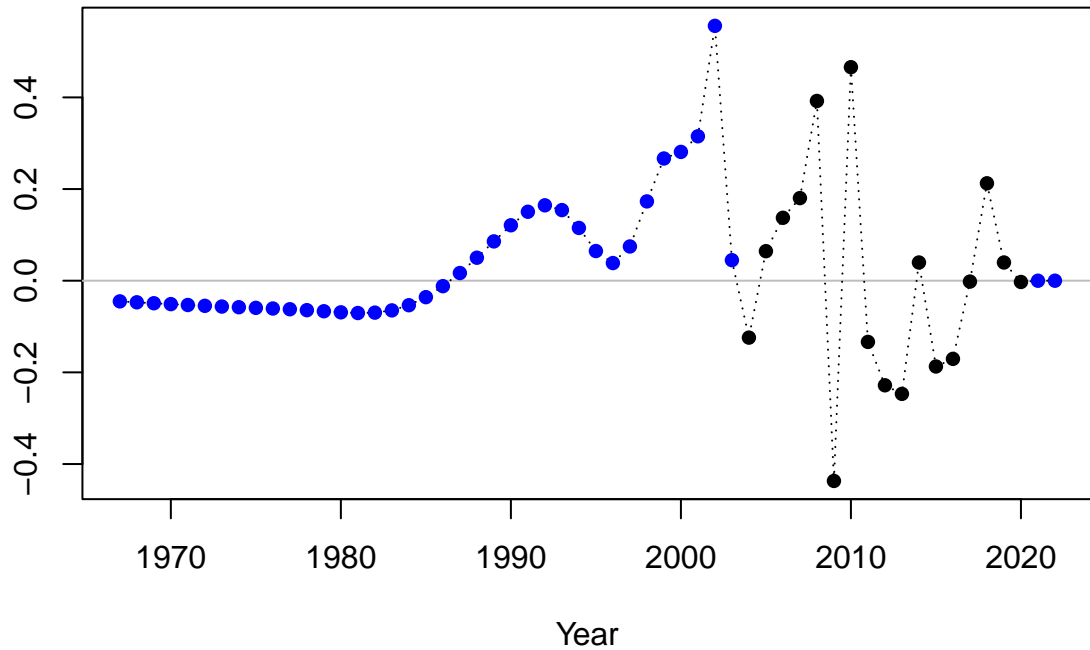


Summary Fishing Mortality





Log recruitment deviation



Log recruitment deviation

1.0
0.5
0.0
-0.5
-1.0

1970

1980

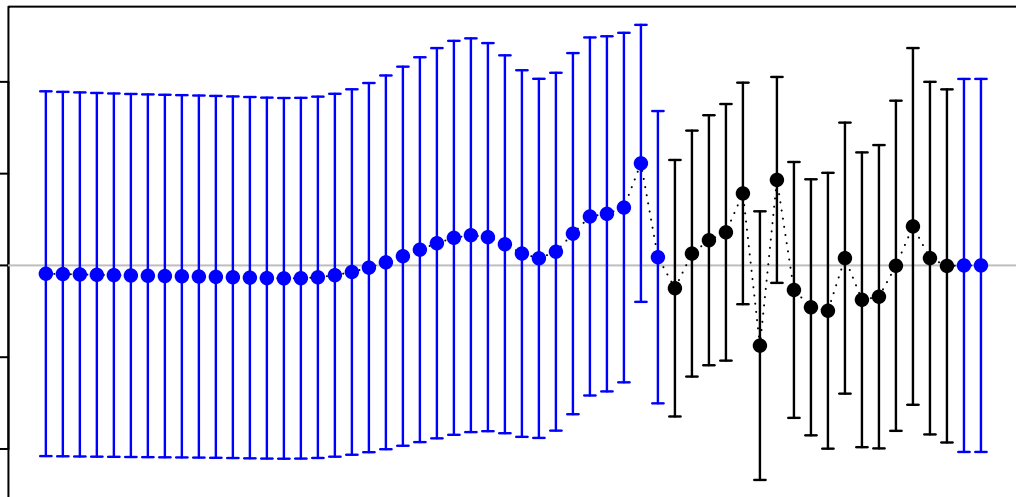
1990

2000

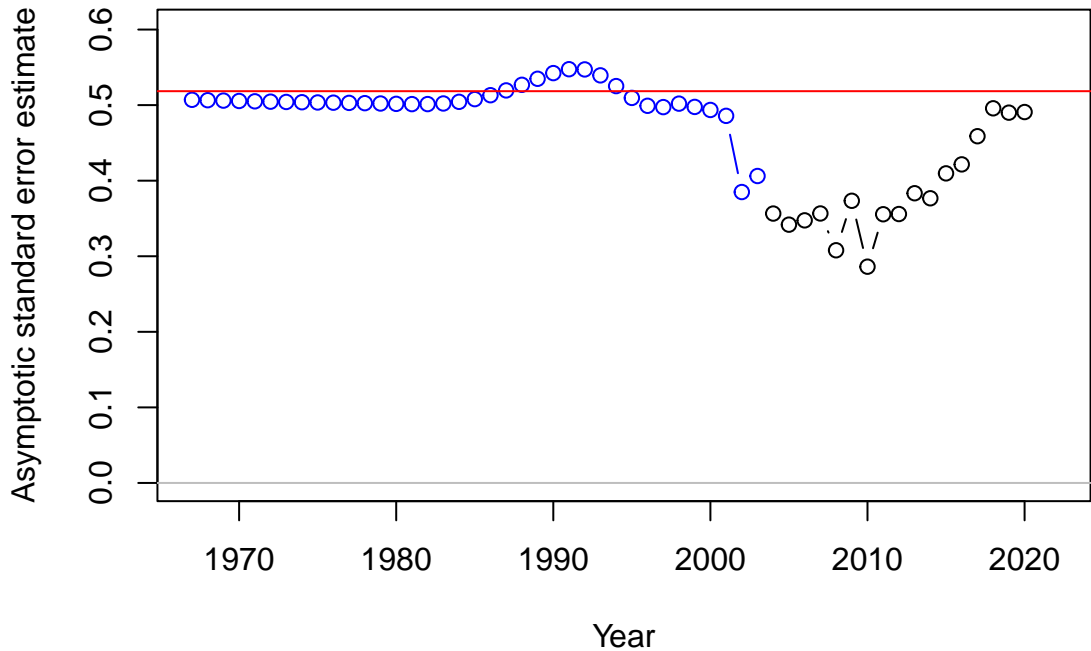
2010

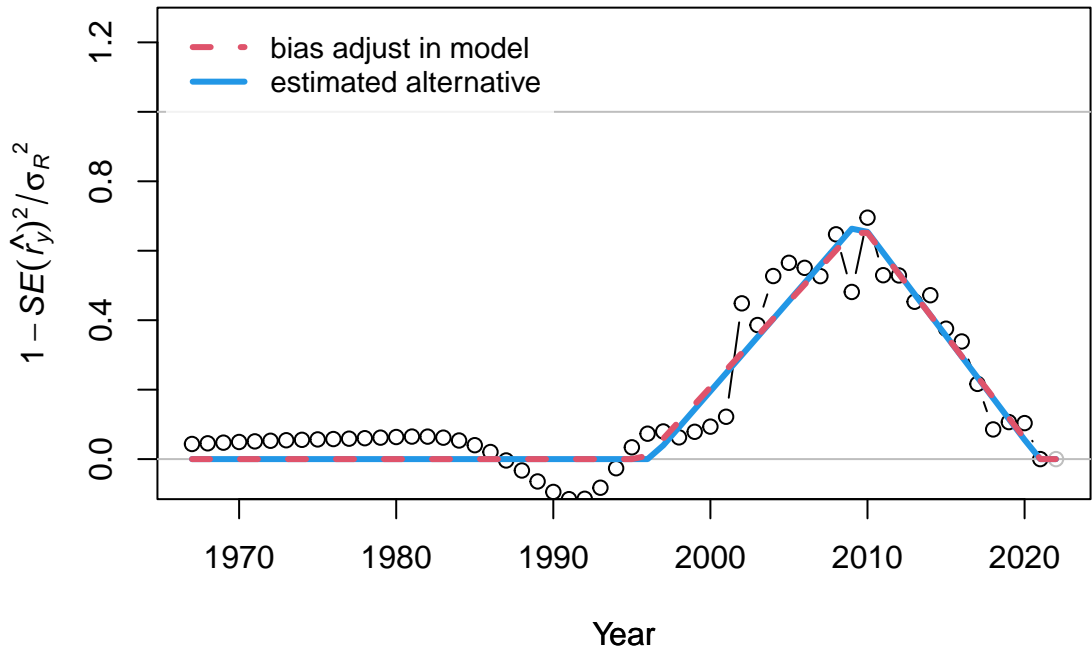
2020

Year

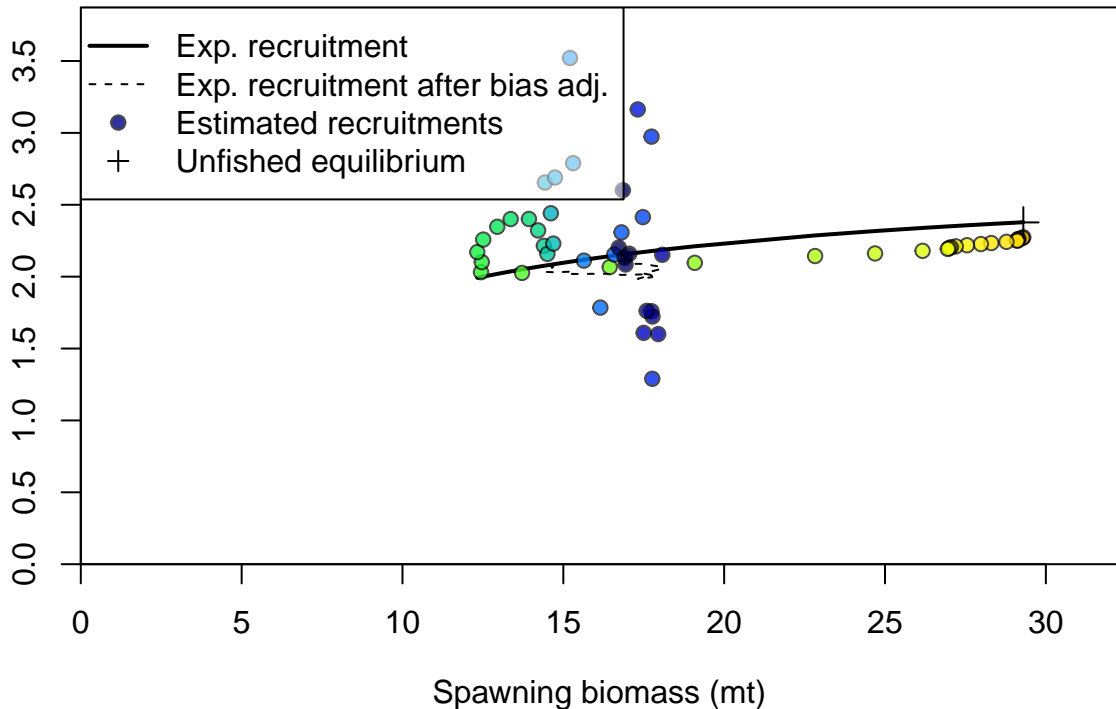


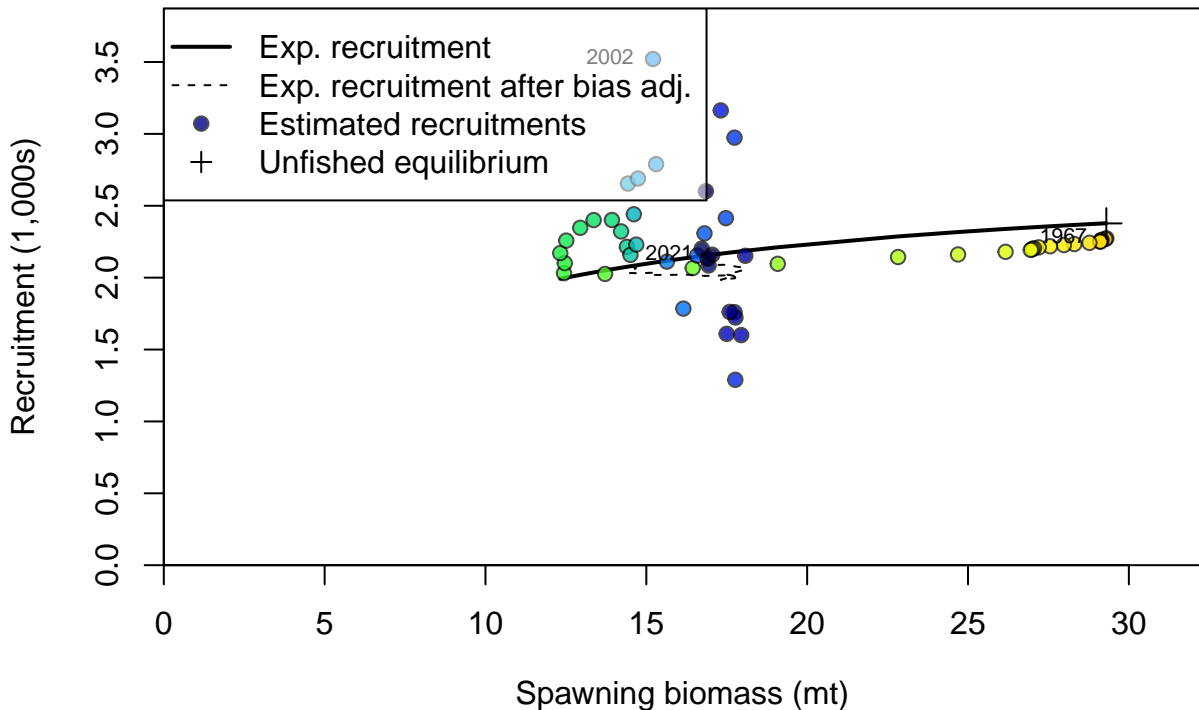
Recruitment deviation variance

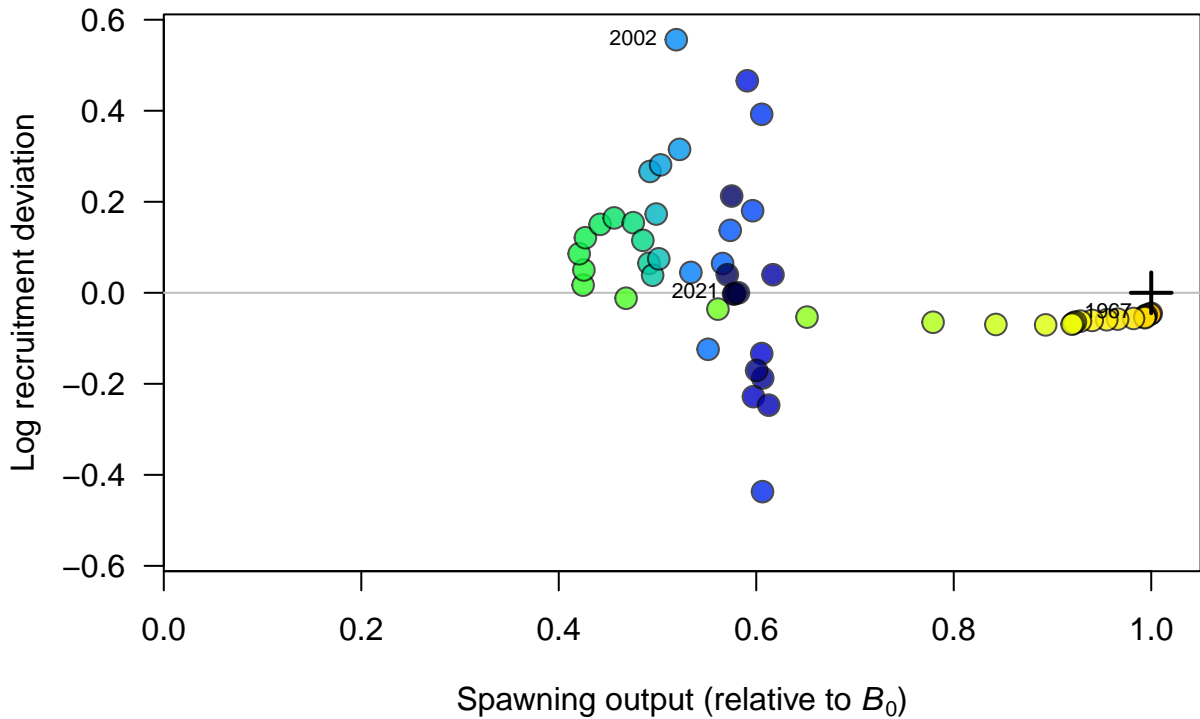


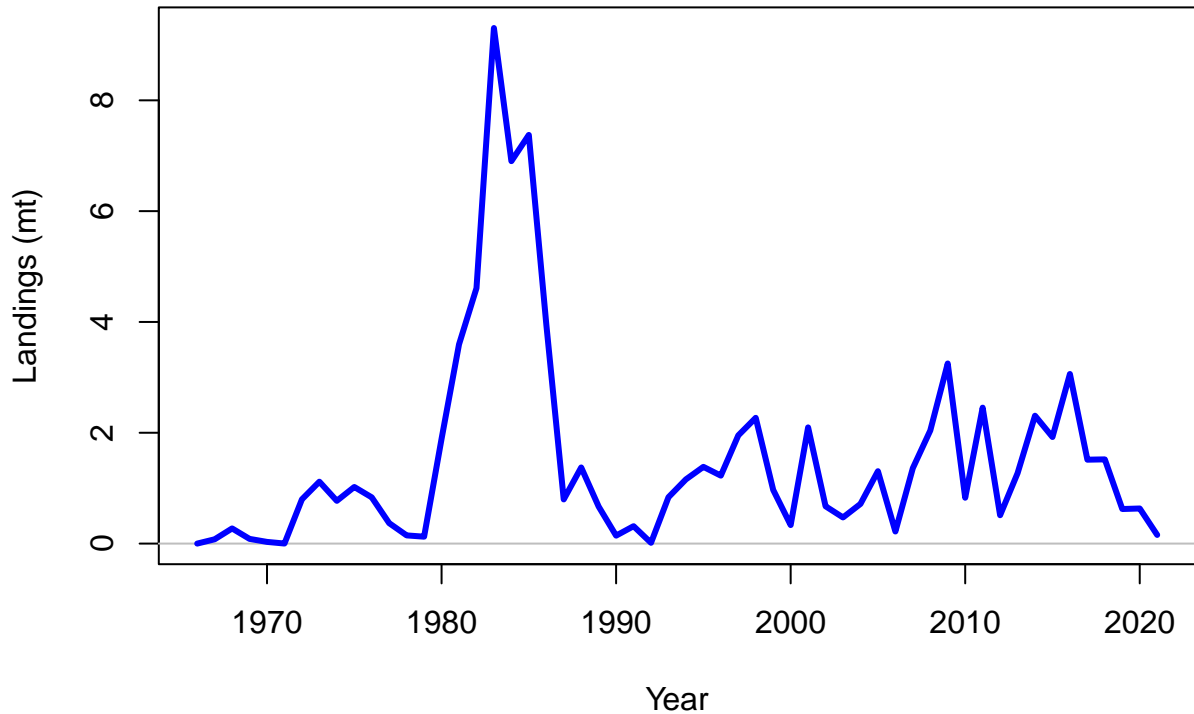


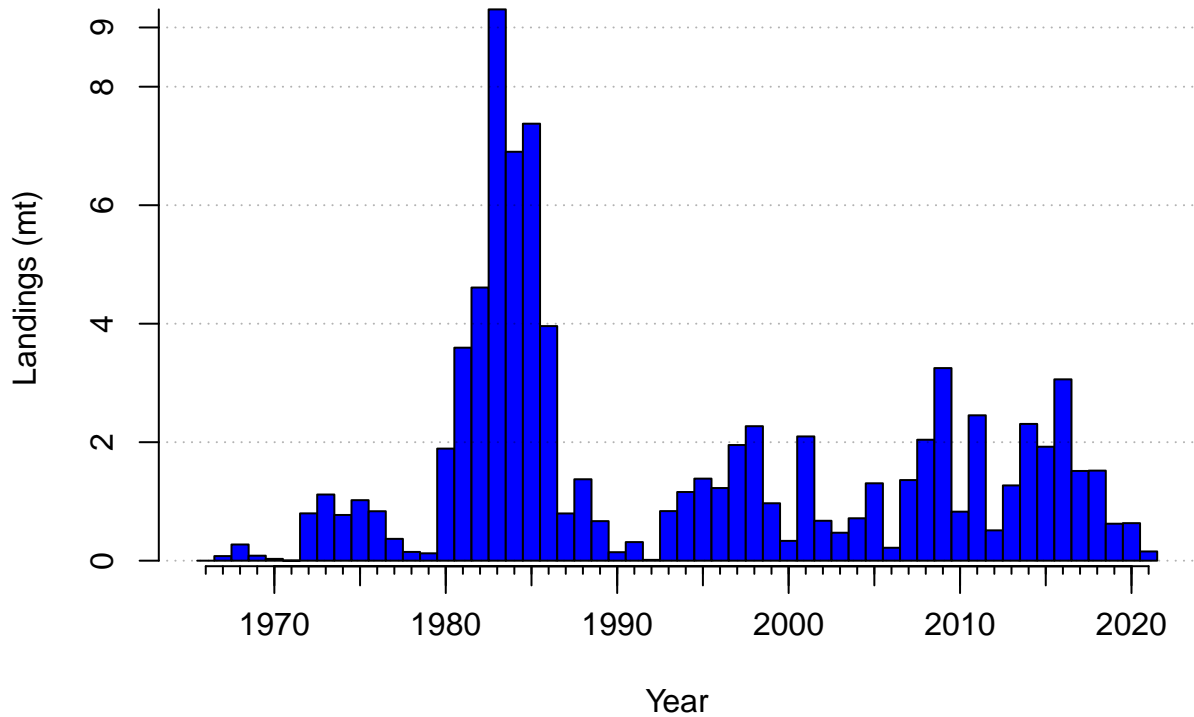
Recruitment (1,000s)

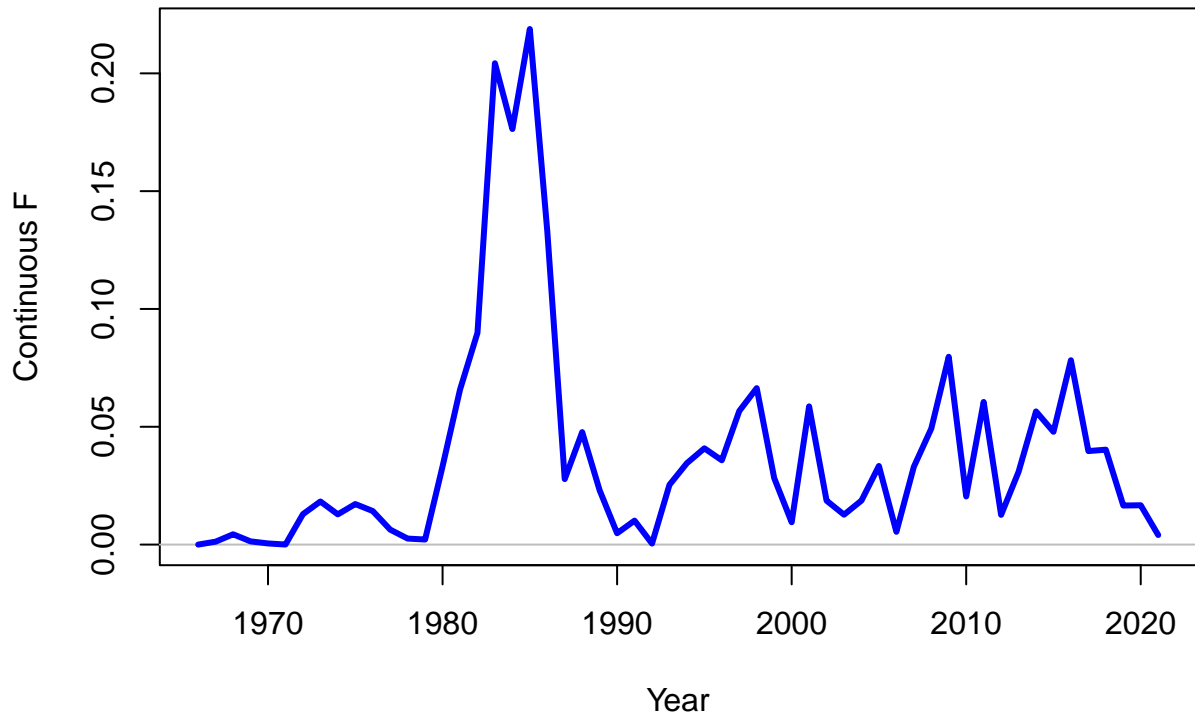




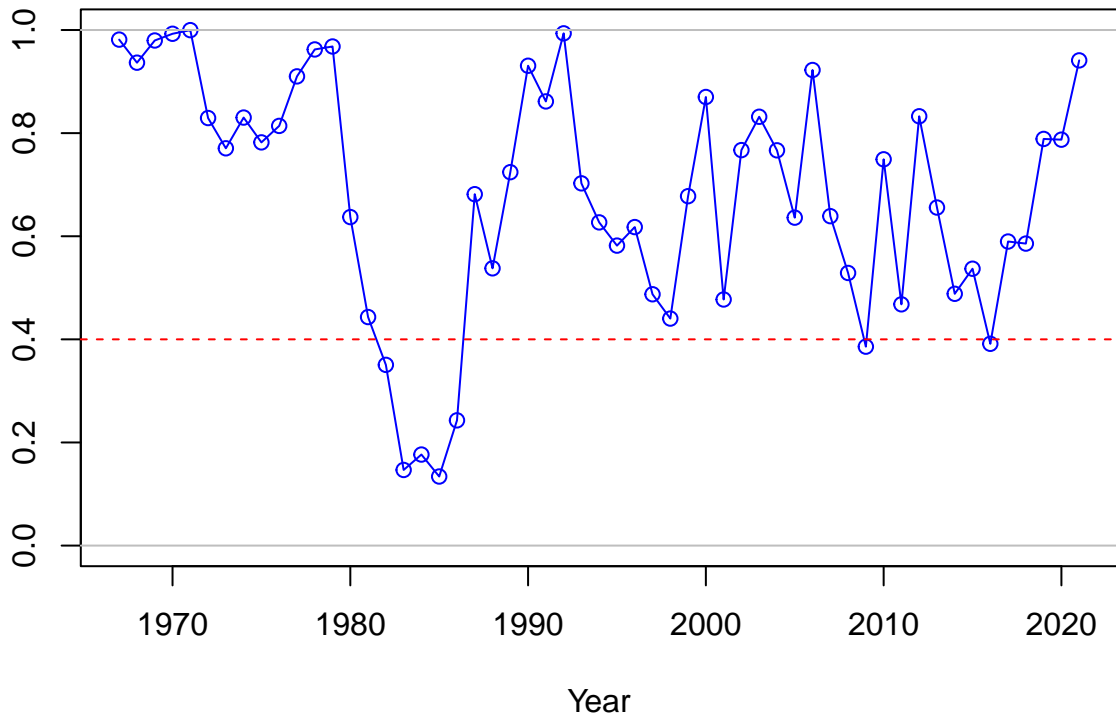




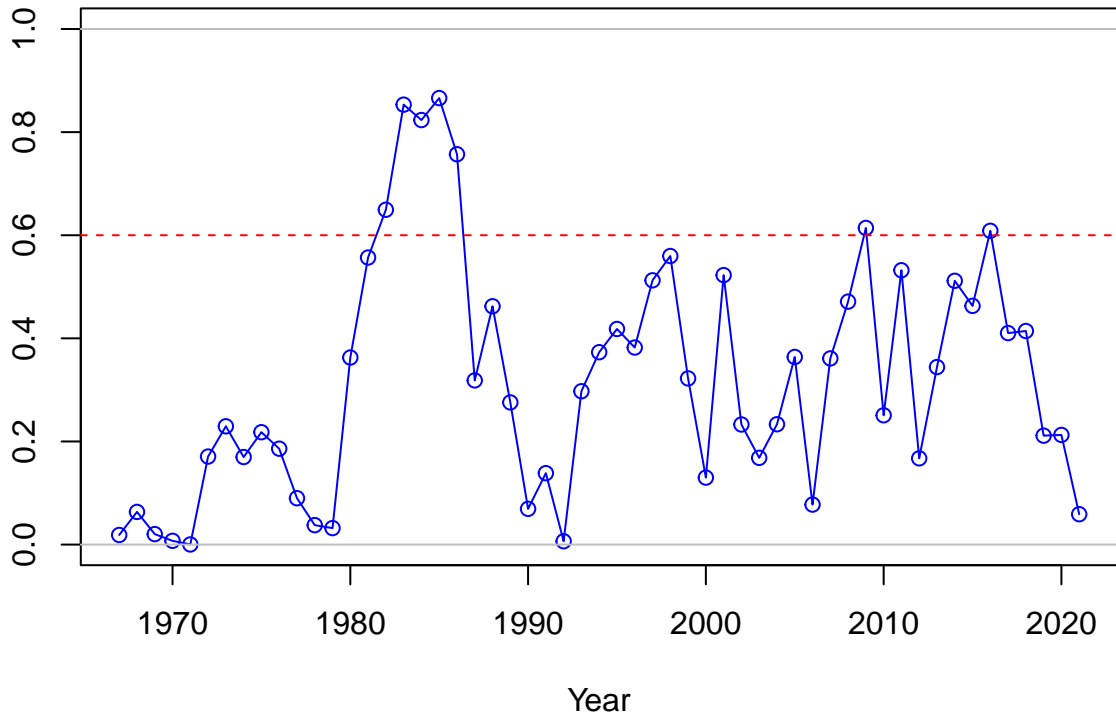




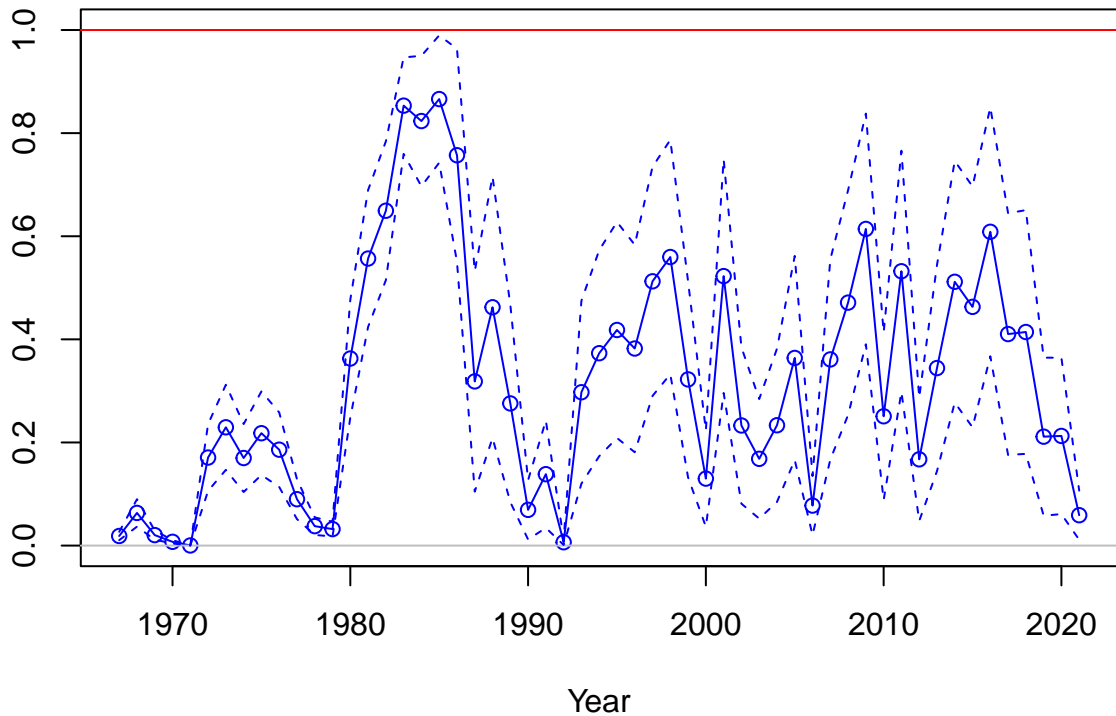
SPR



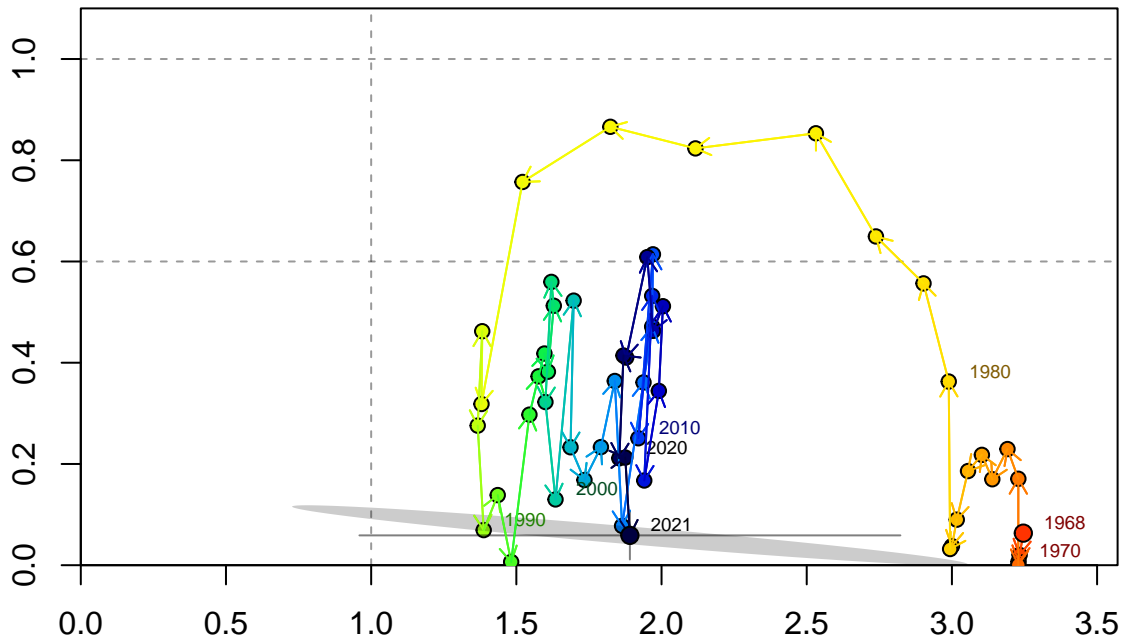
1-SPR



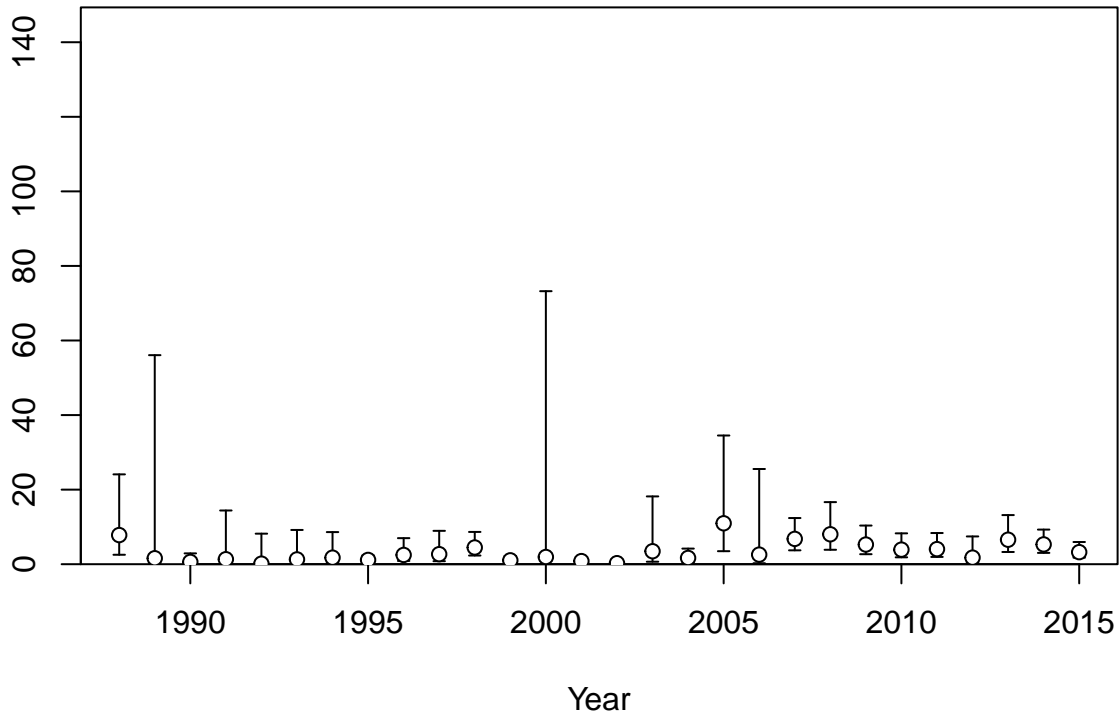
Fishing intensity: 1-SPR



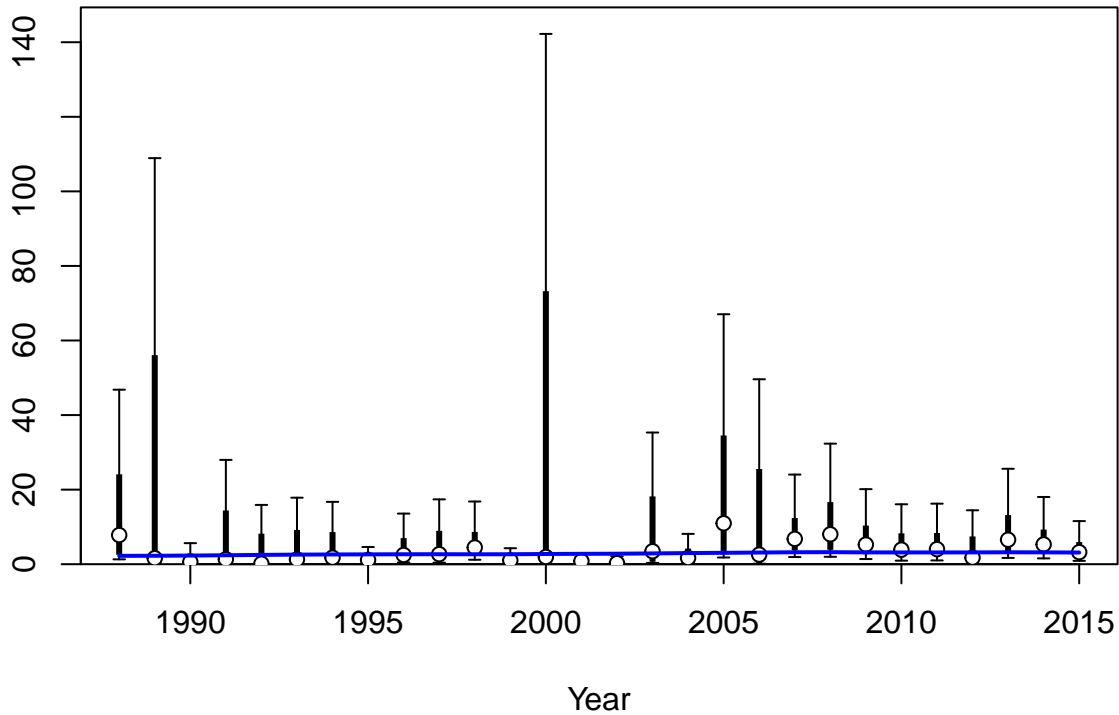
Fishing intensity: 1-SPR

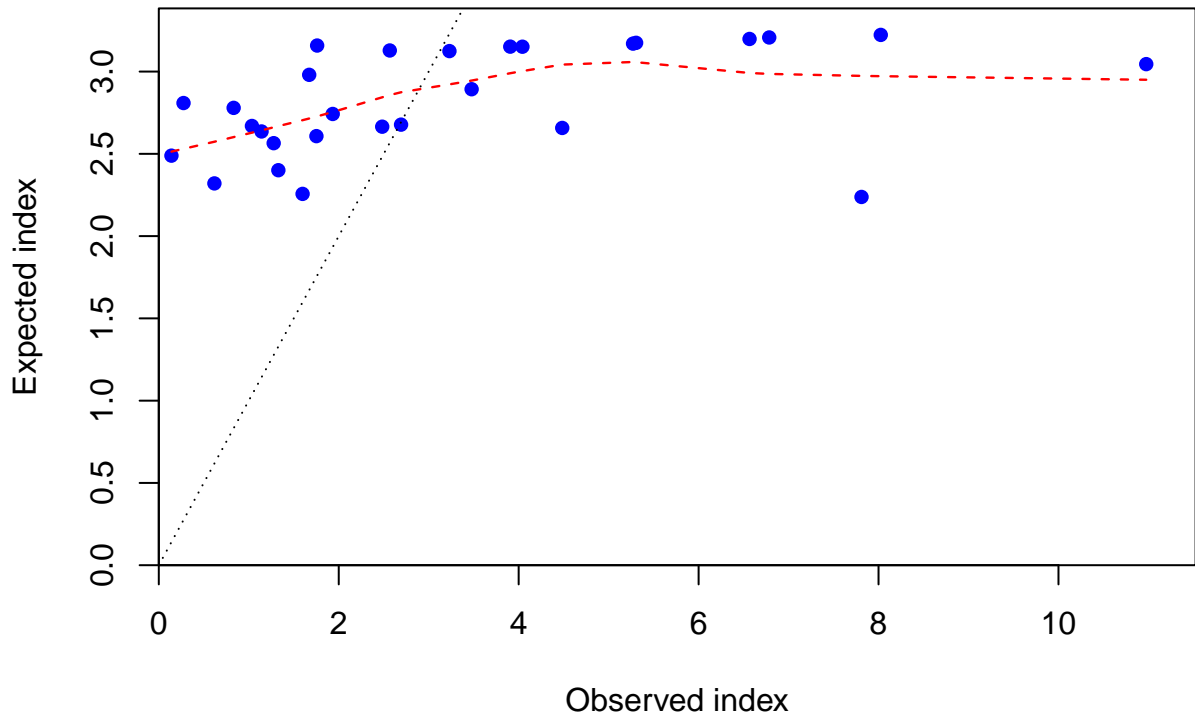


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Log index

4
2
0
-2
-4
-6

1990

1995

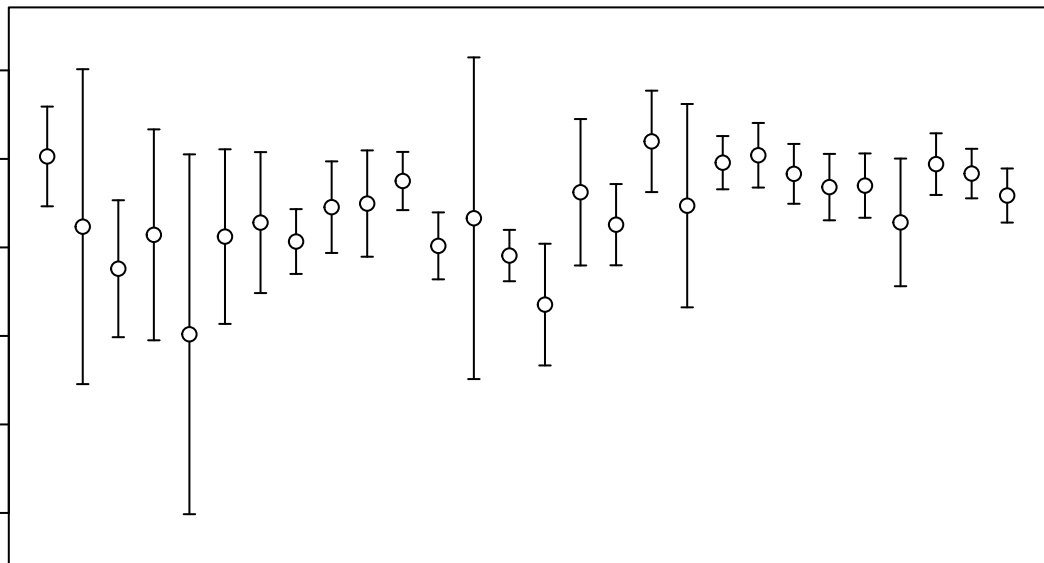
2000

2005

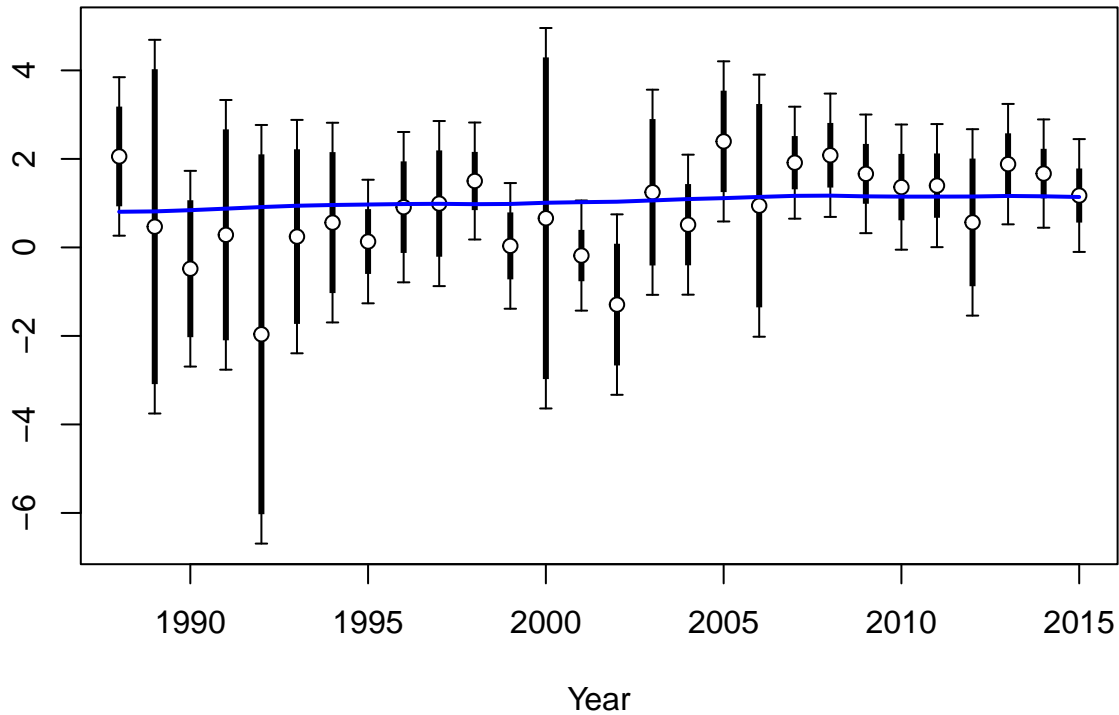
2010

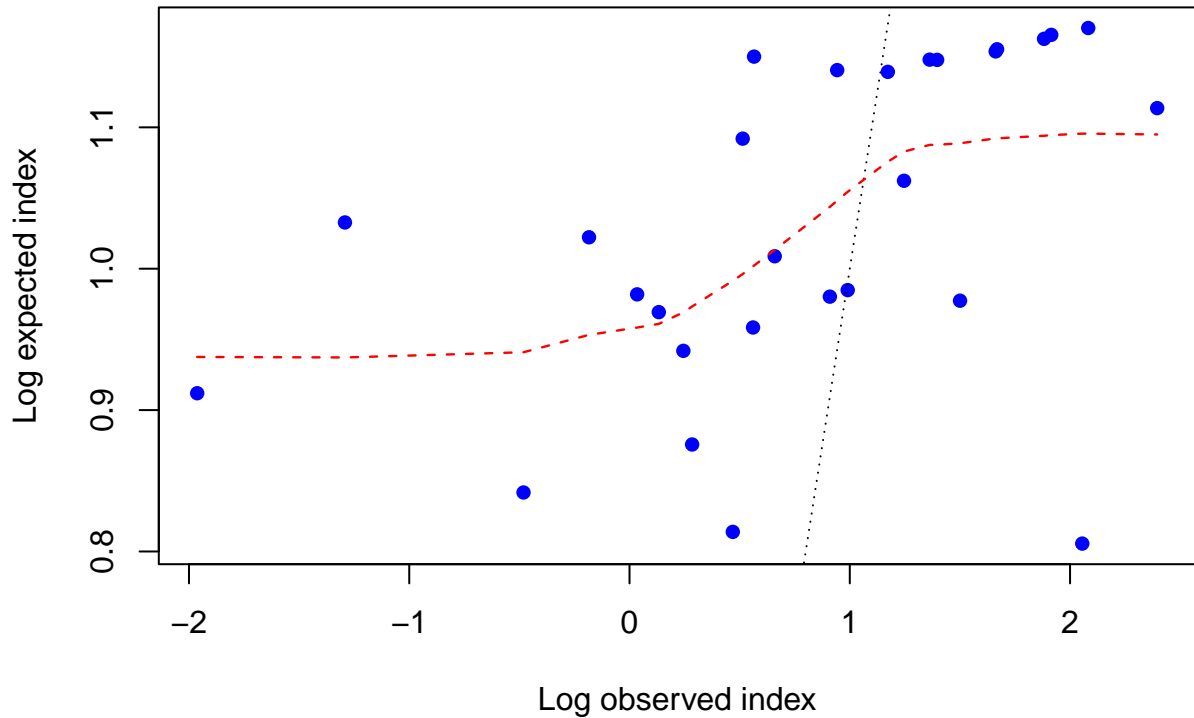
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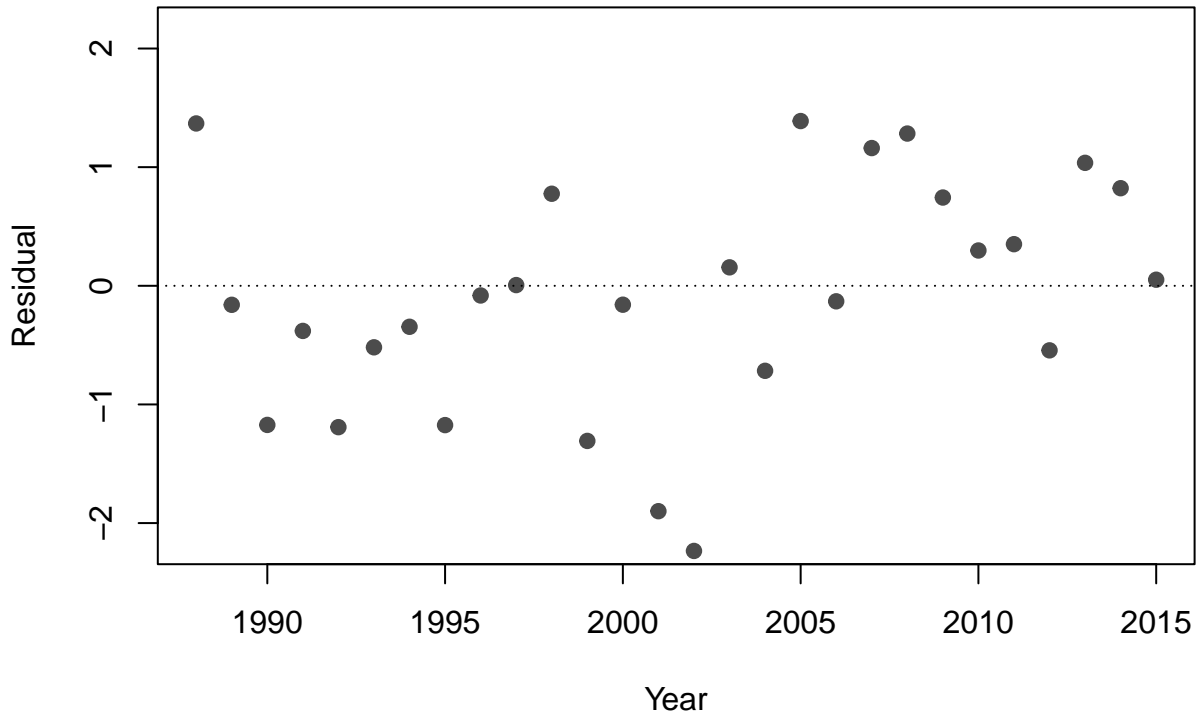
Year



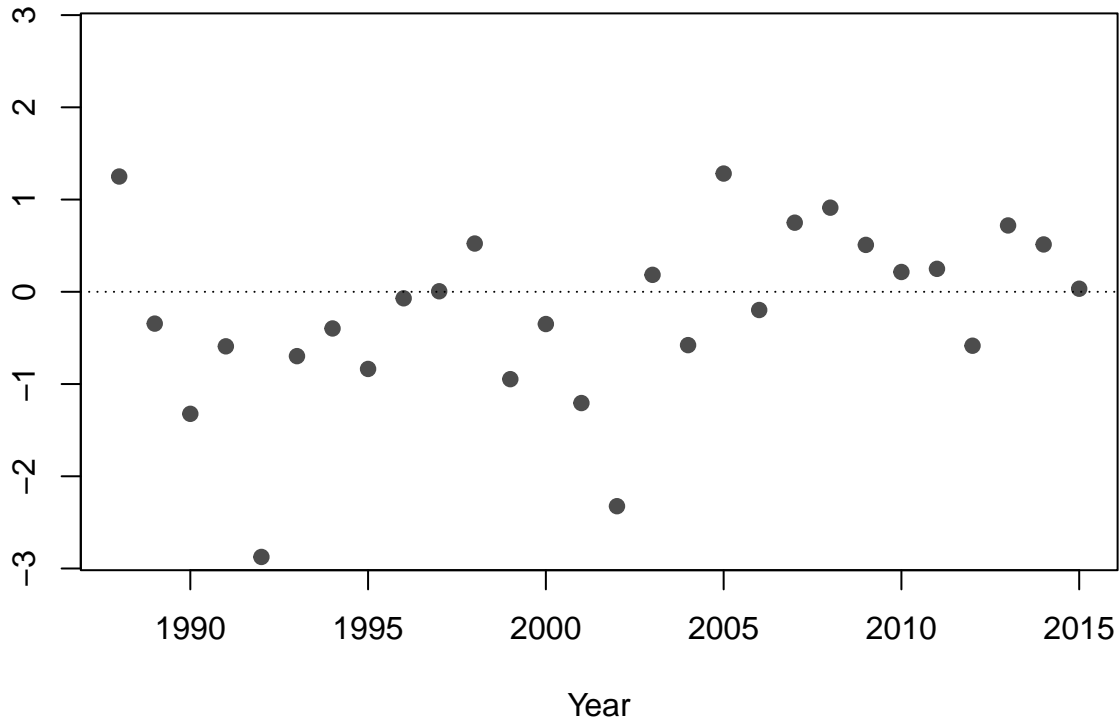
Log index



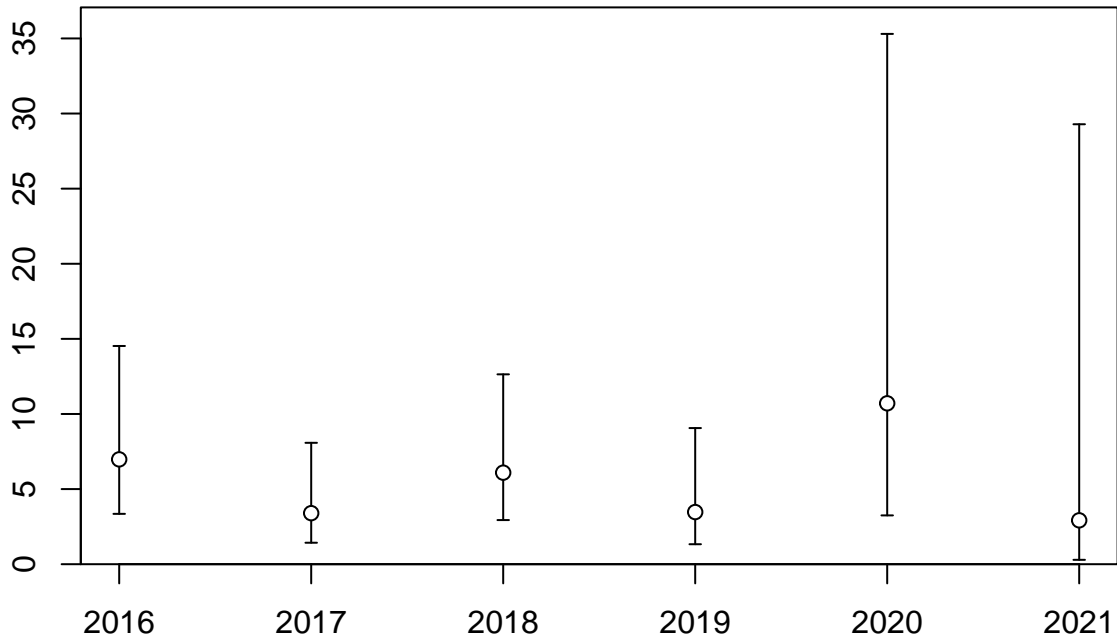




Deviation

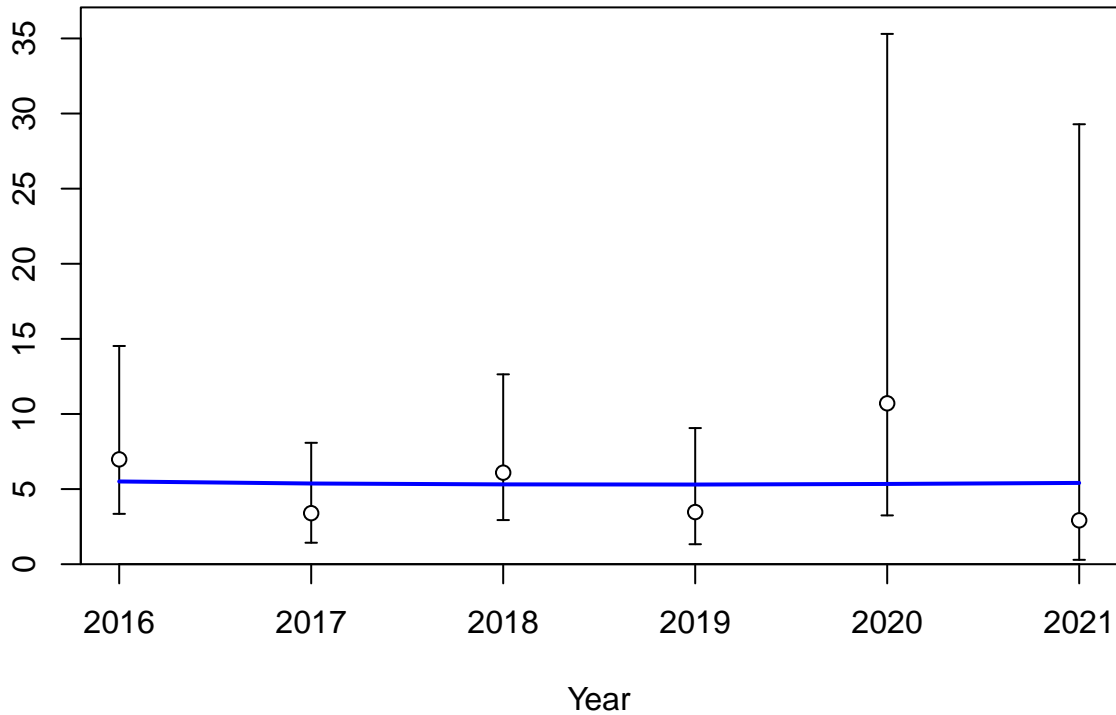


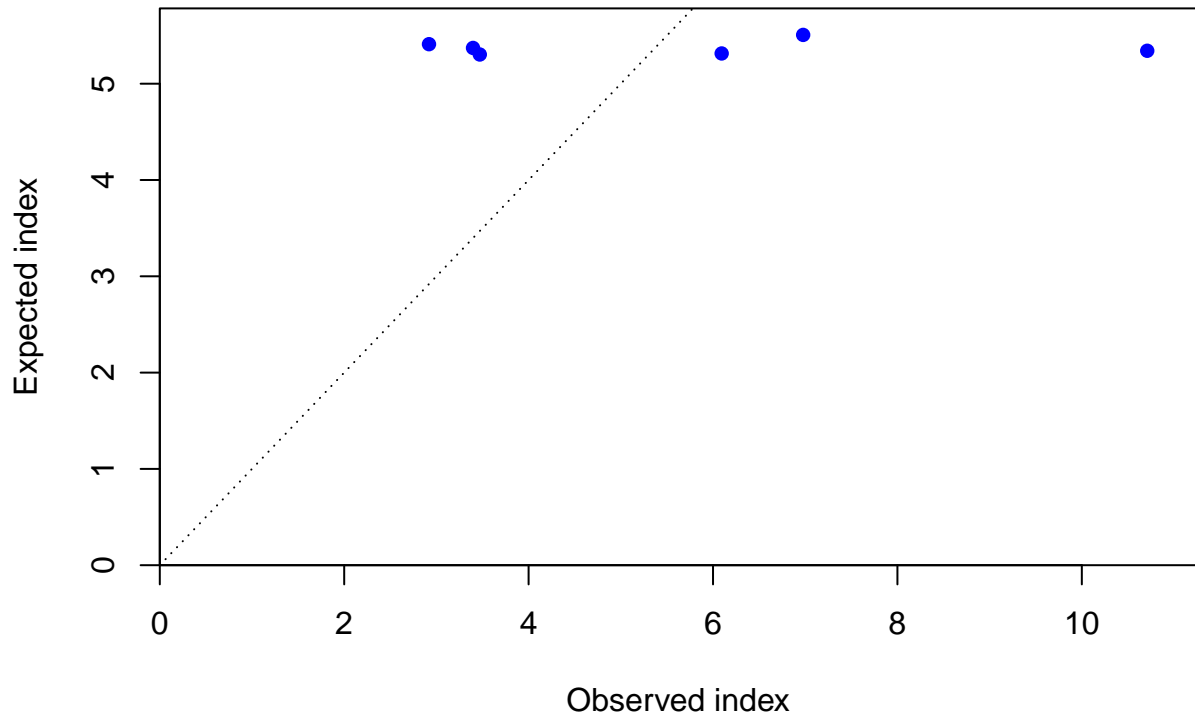
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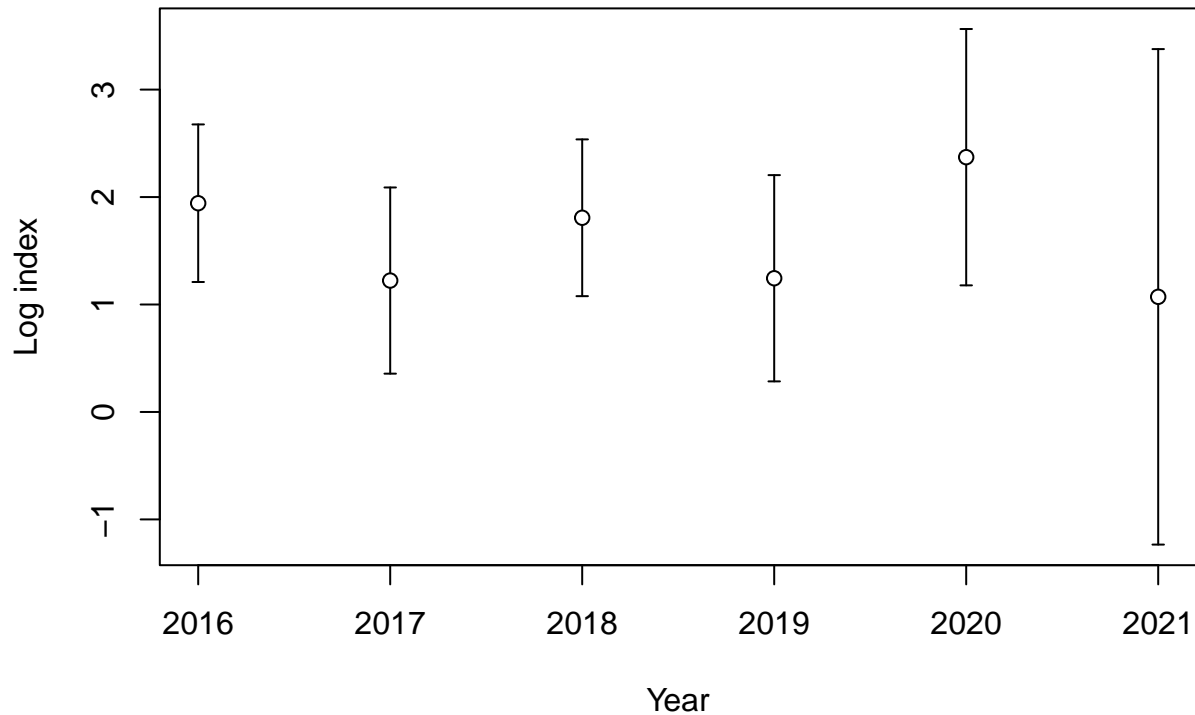


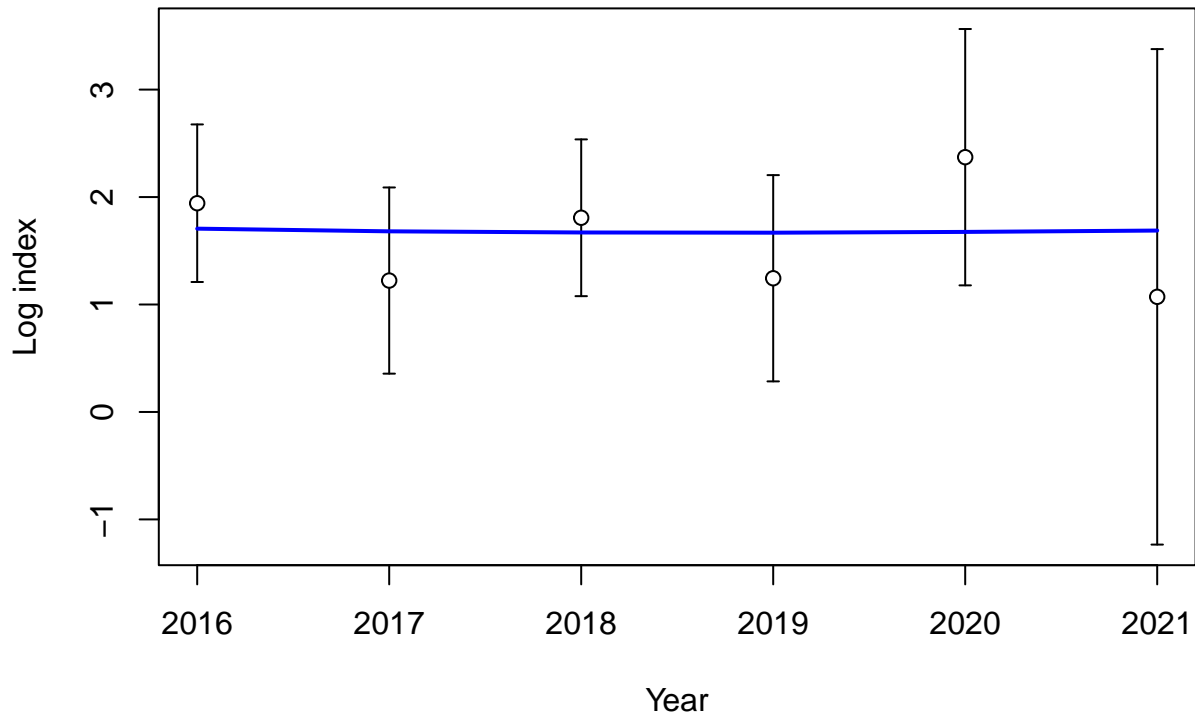
Year

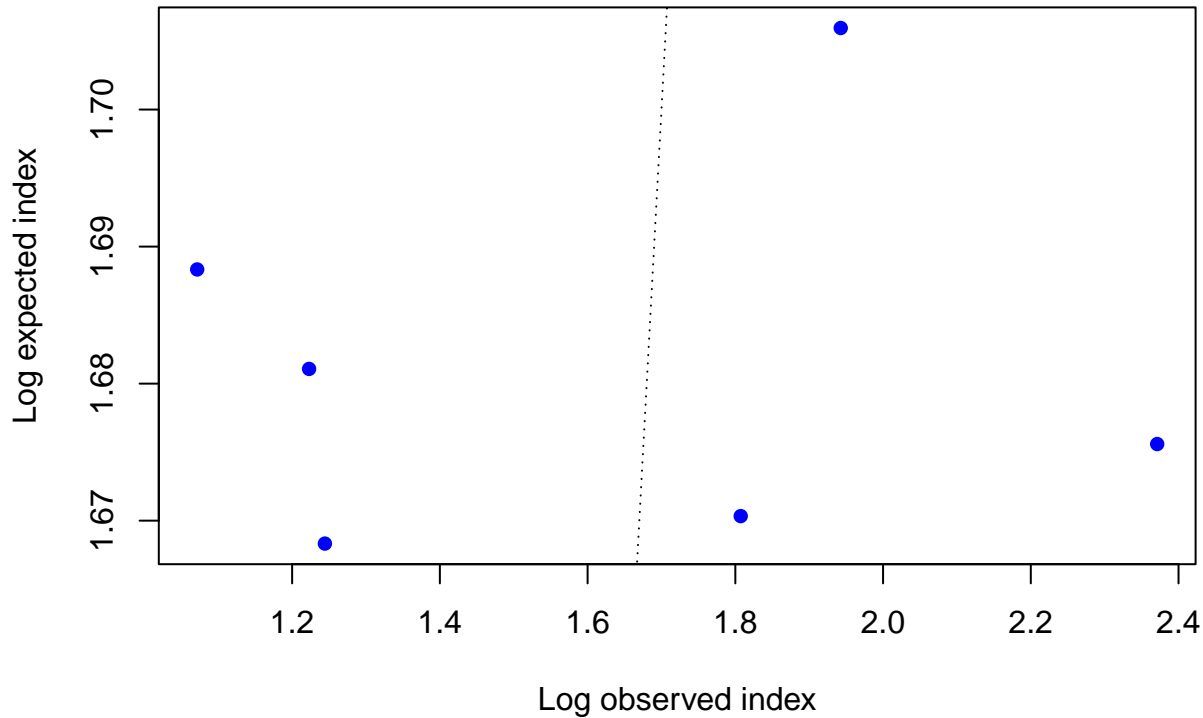
Index

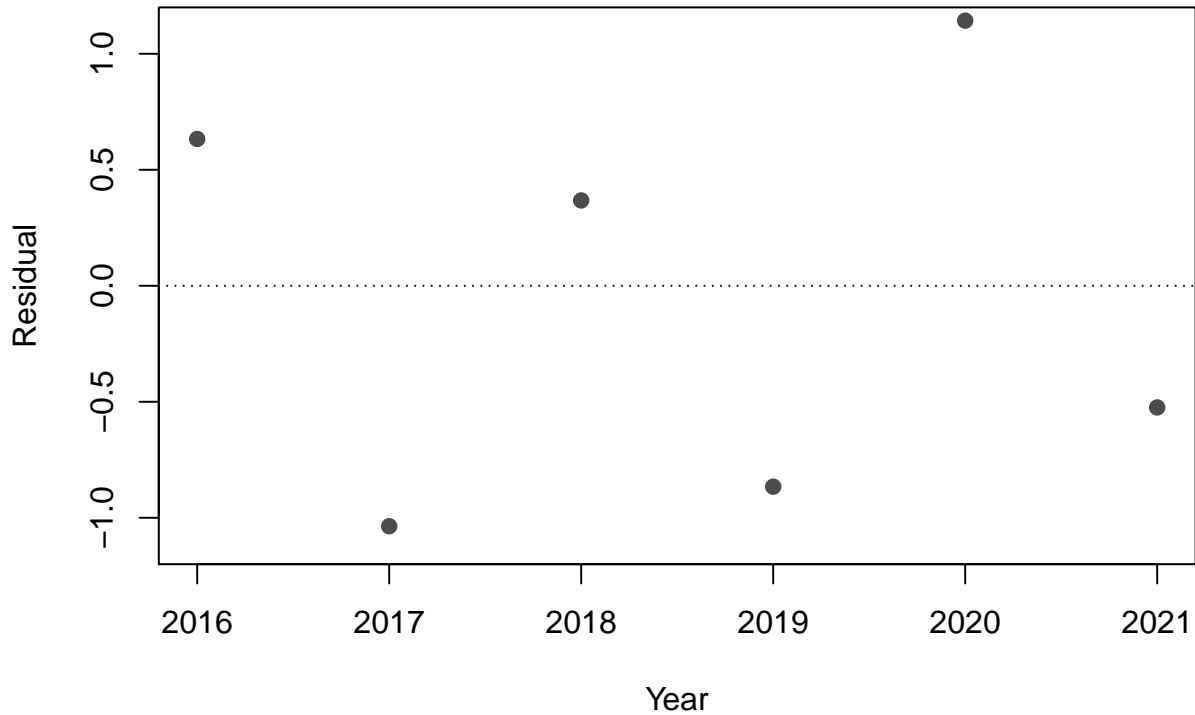


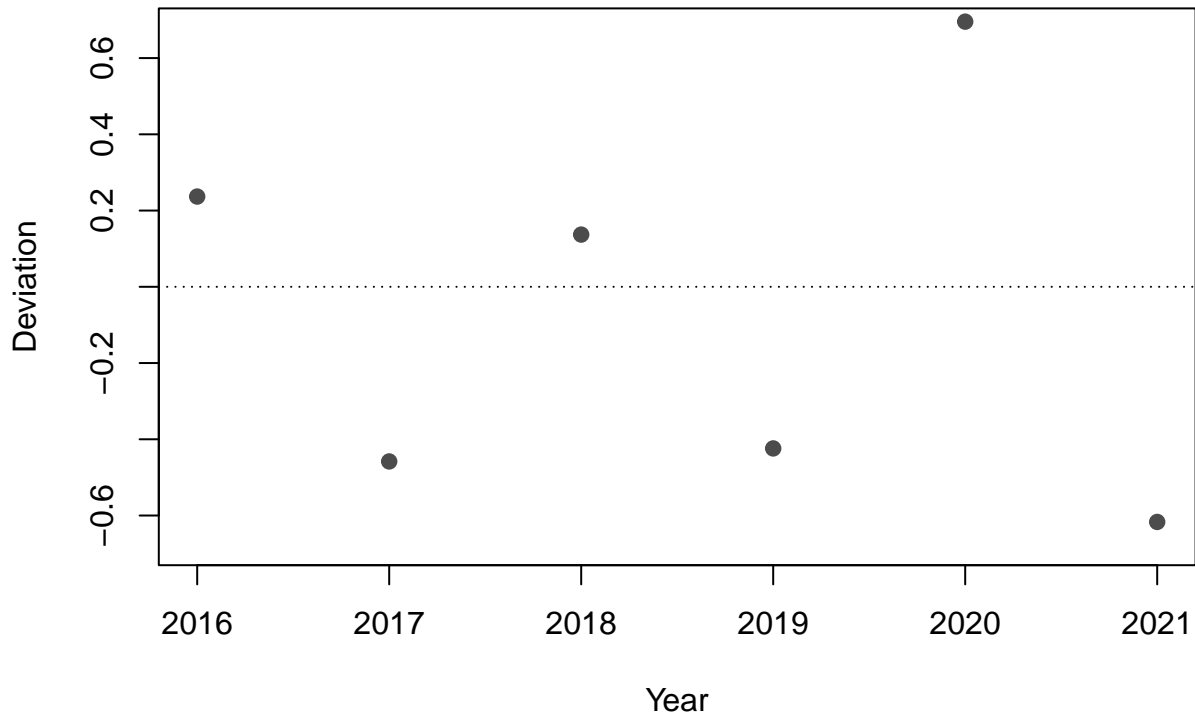


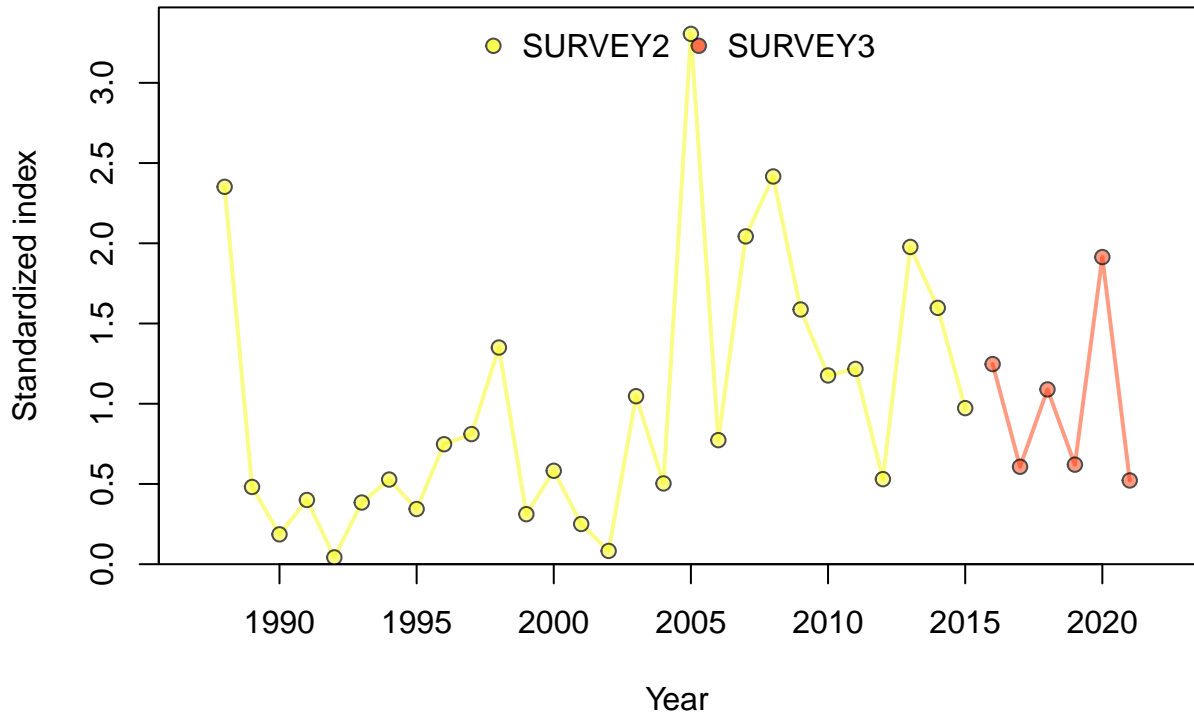


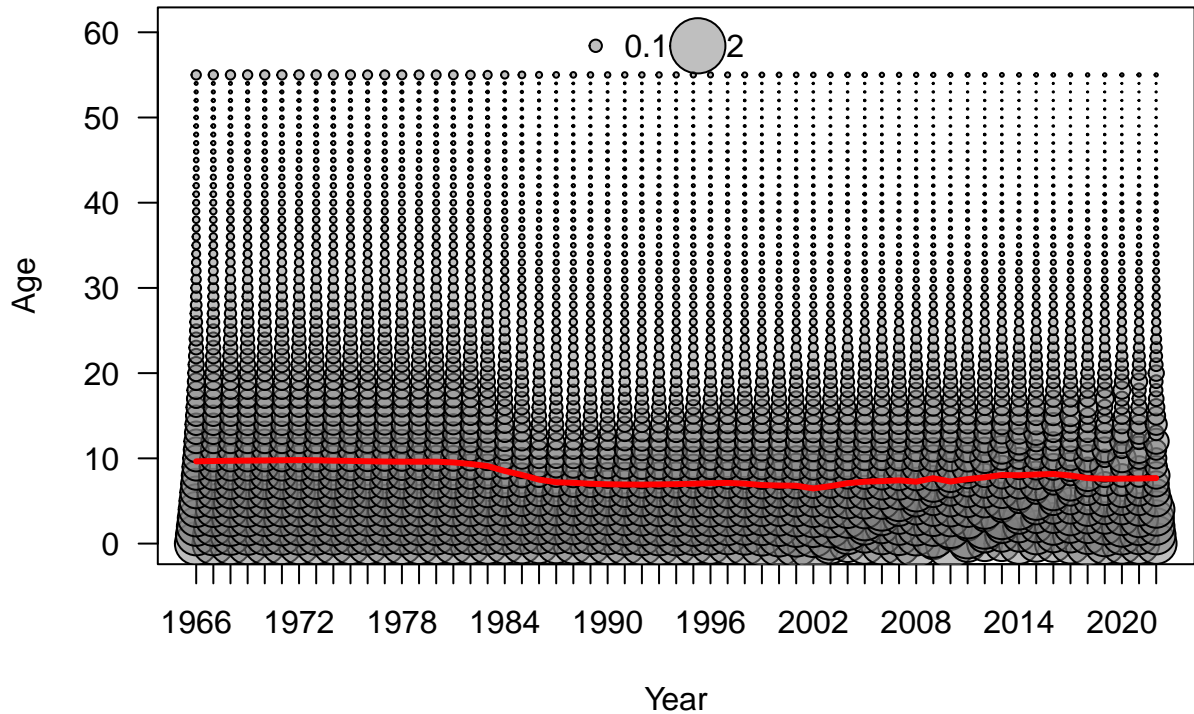


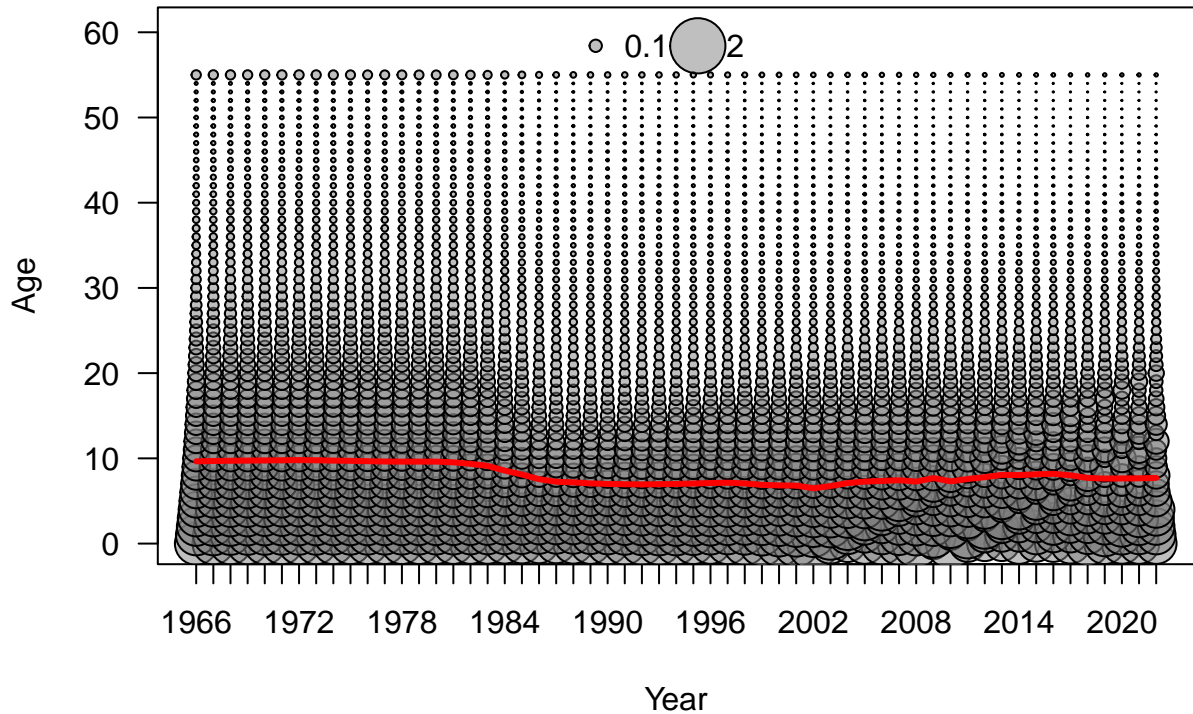




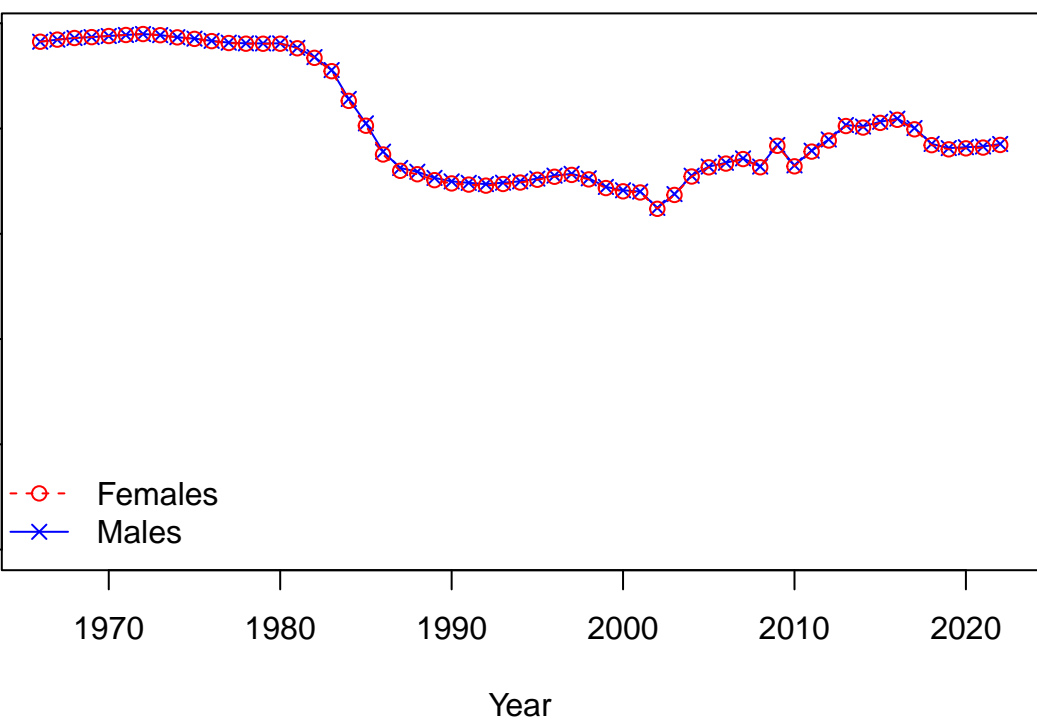


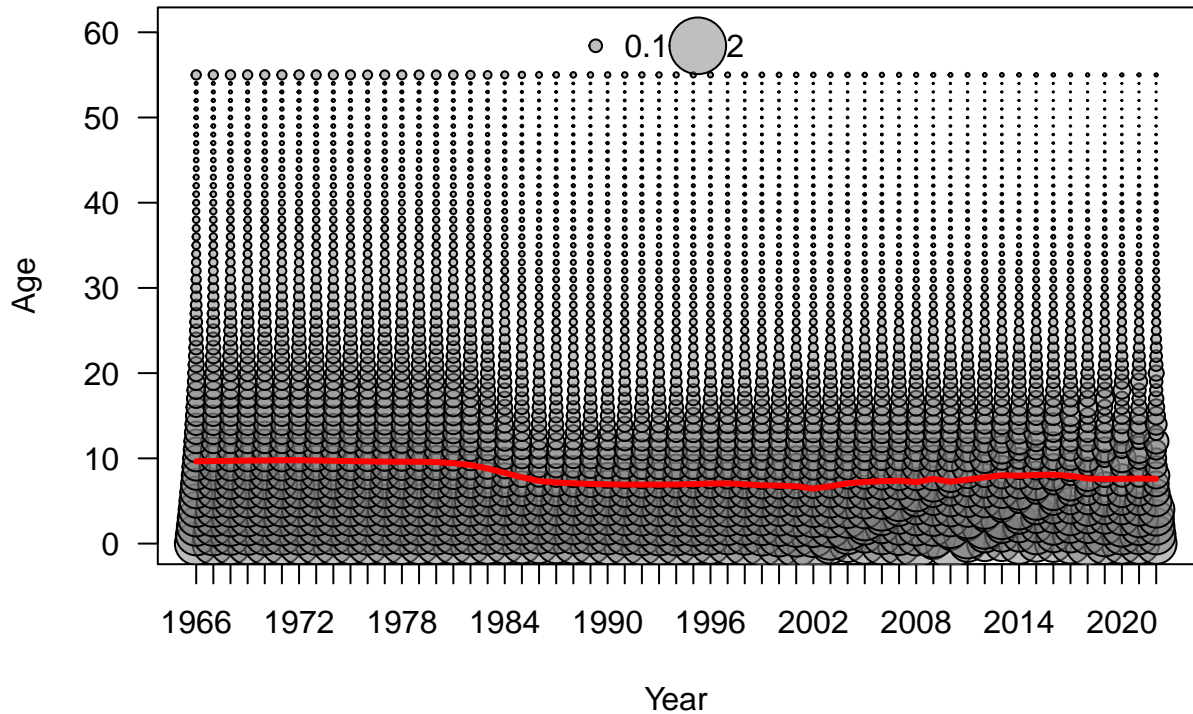


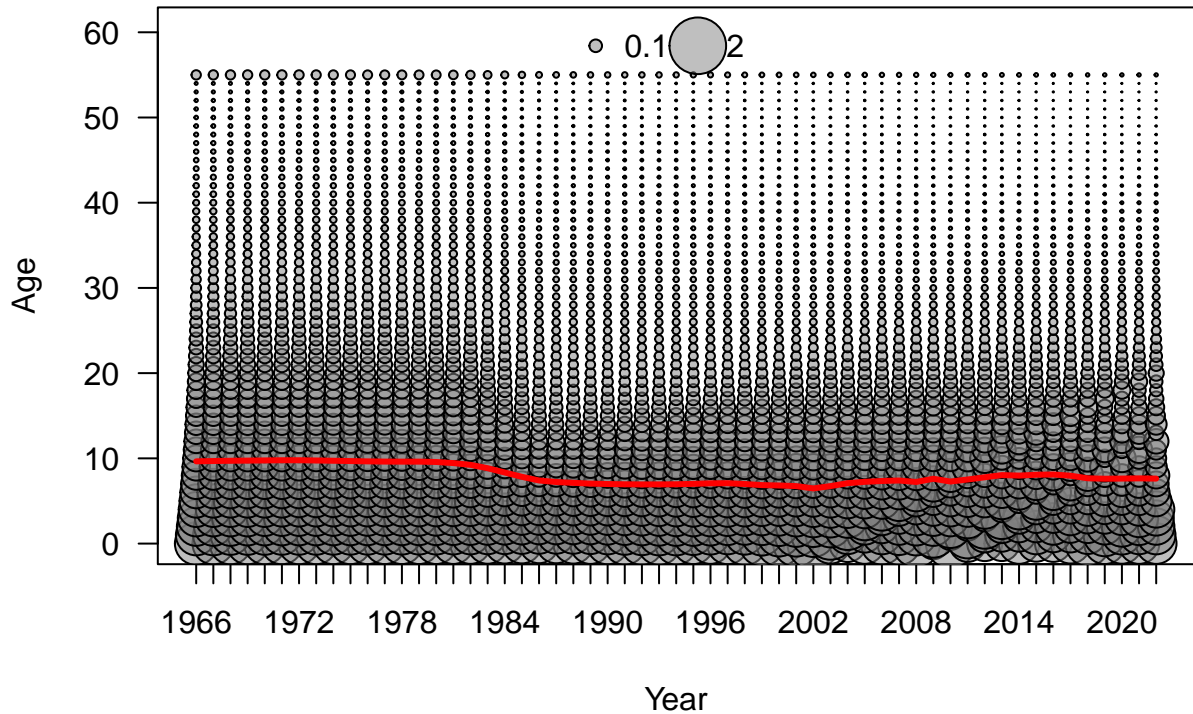




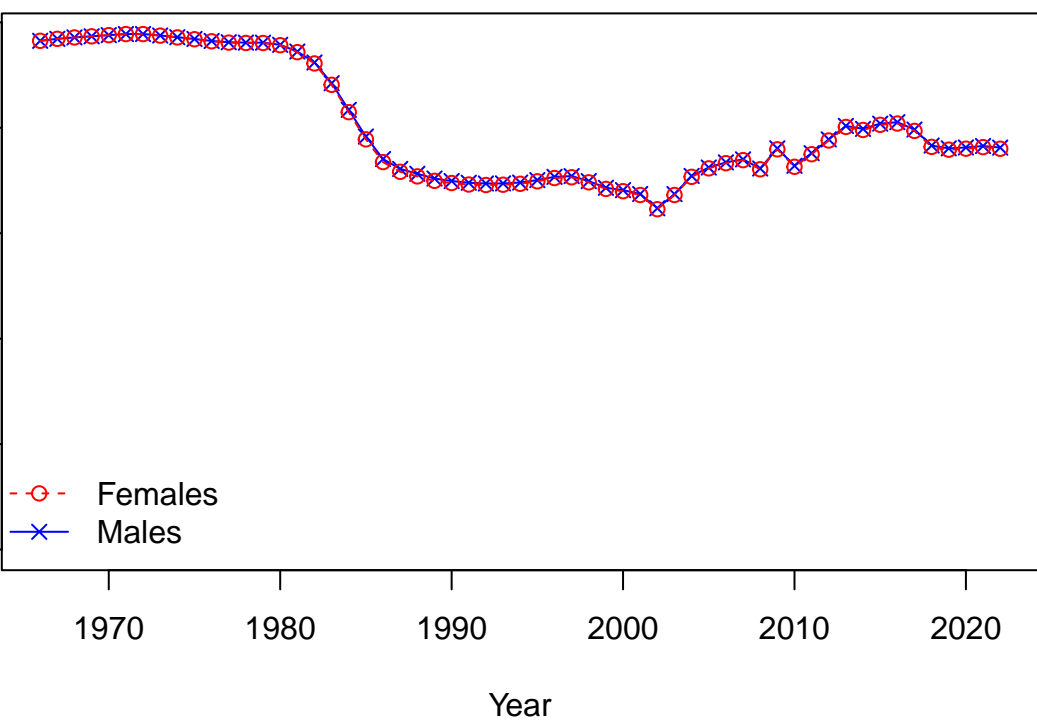
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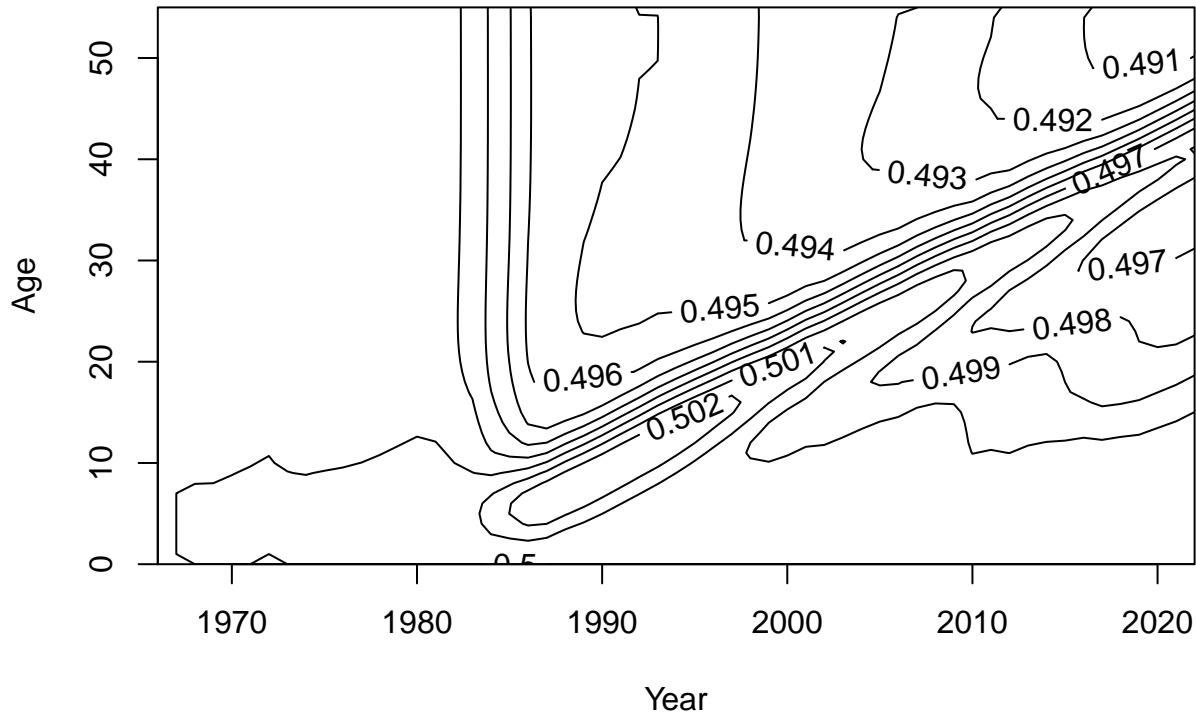


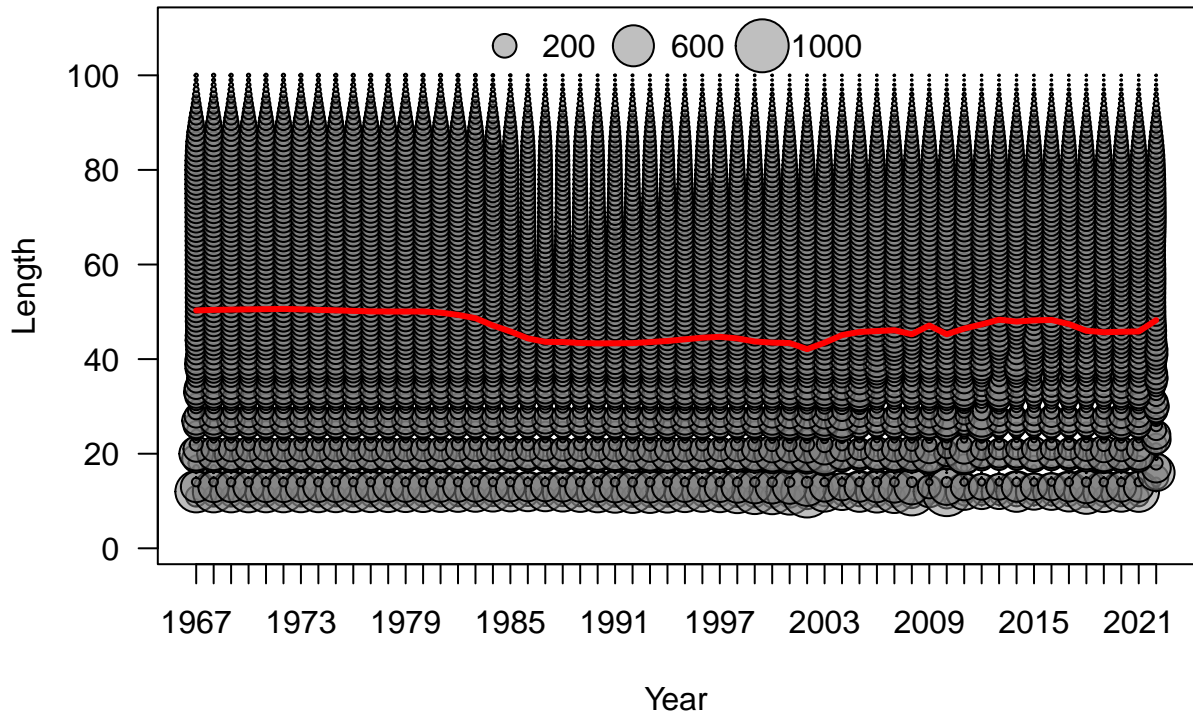


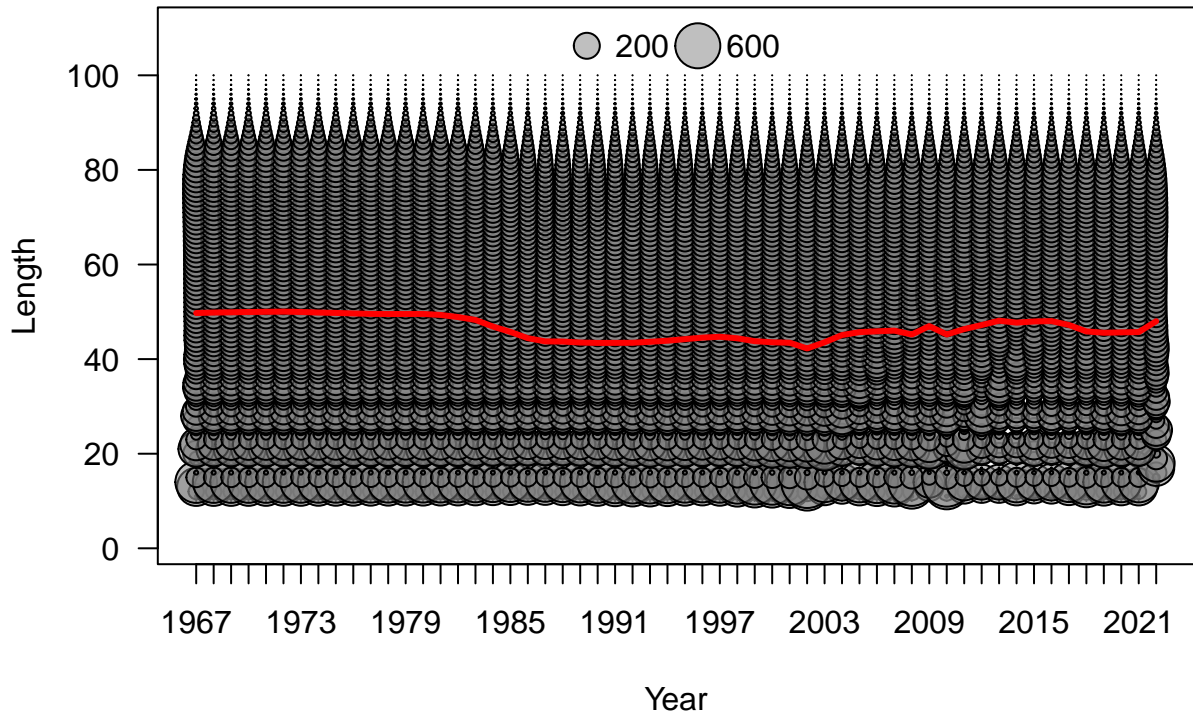


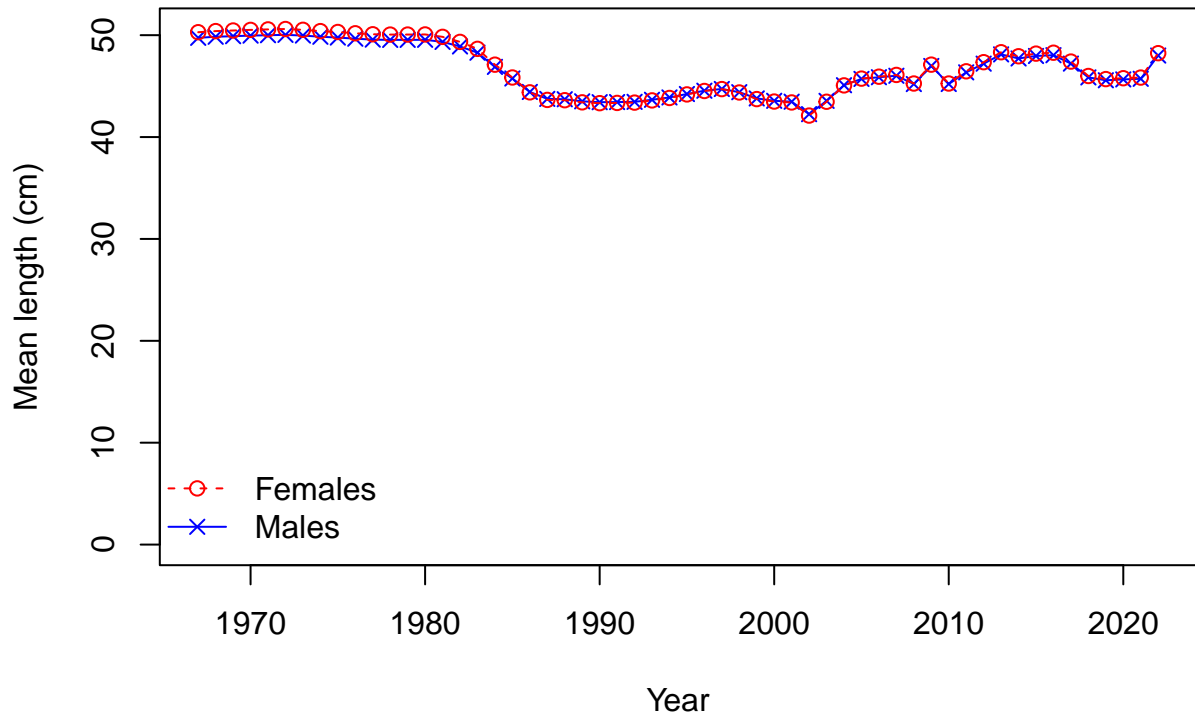
Mean age (yr)

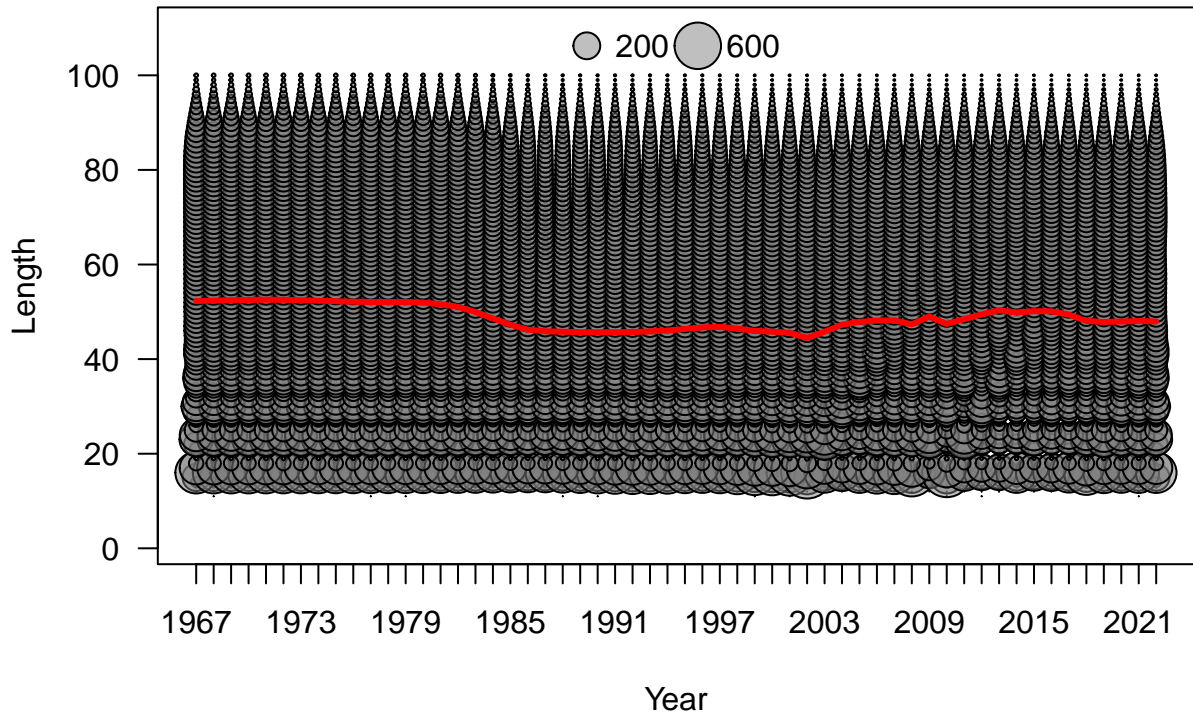


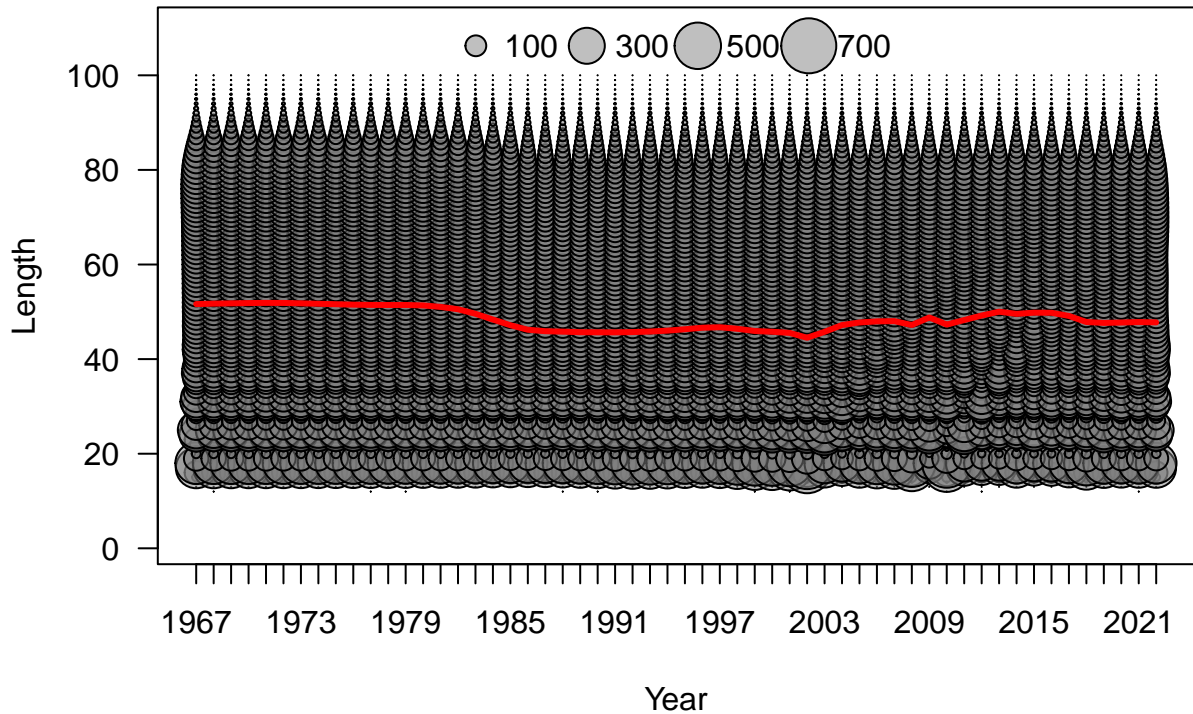


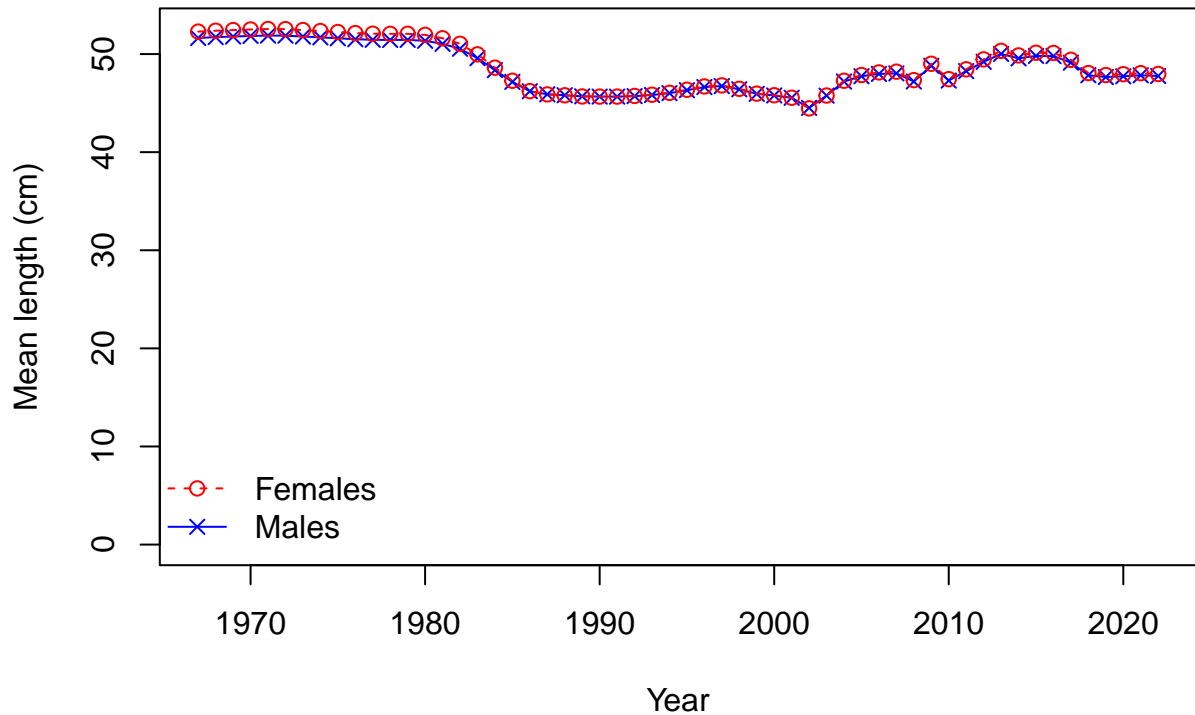


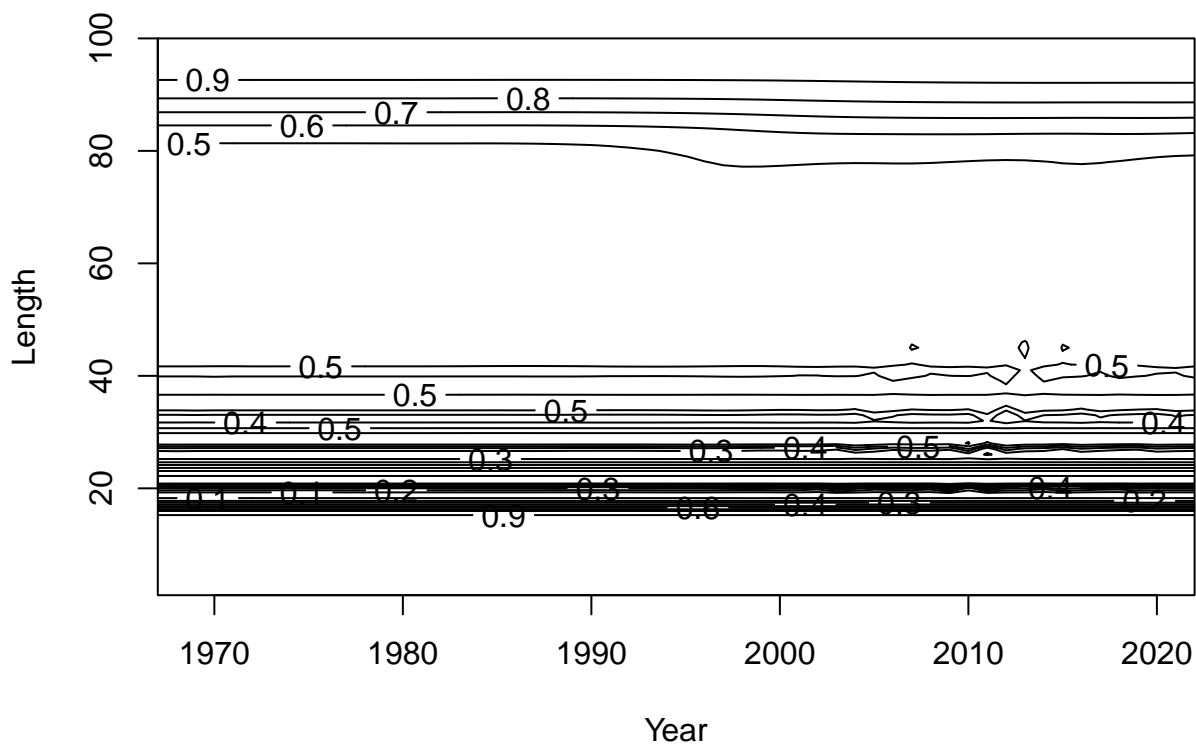


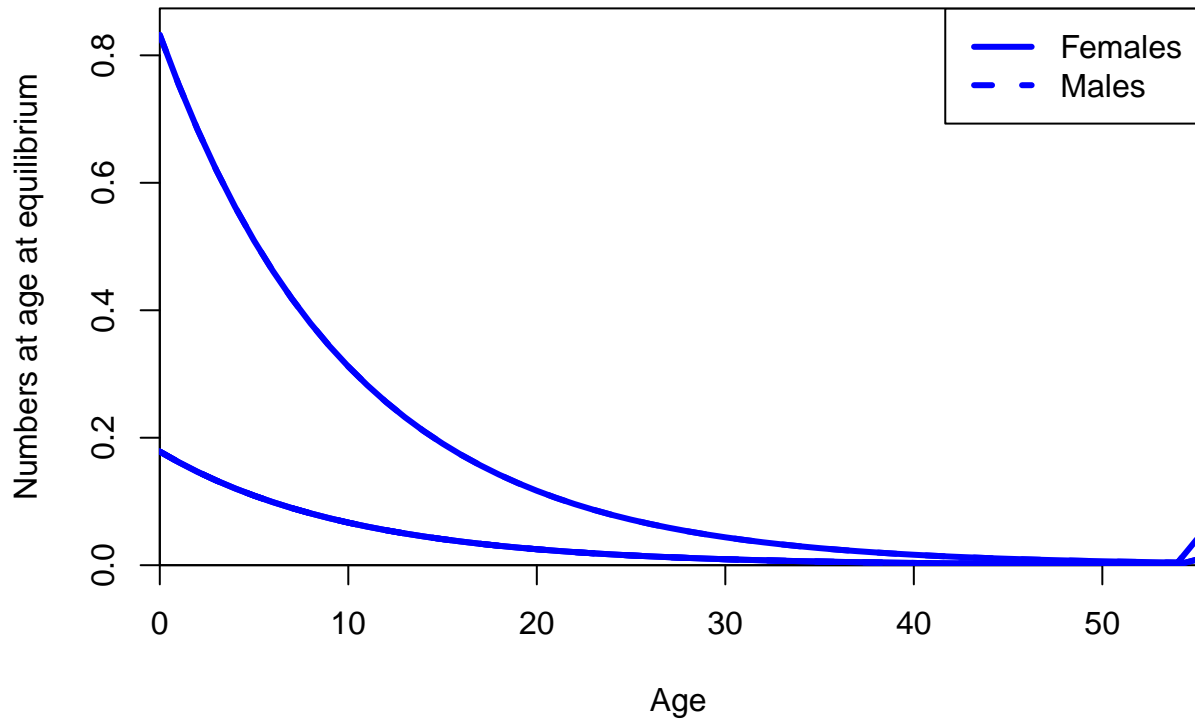


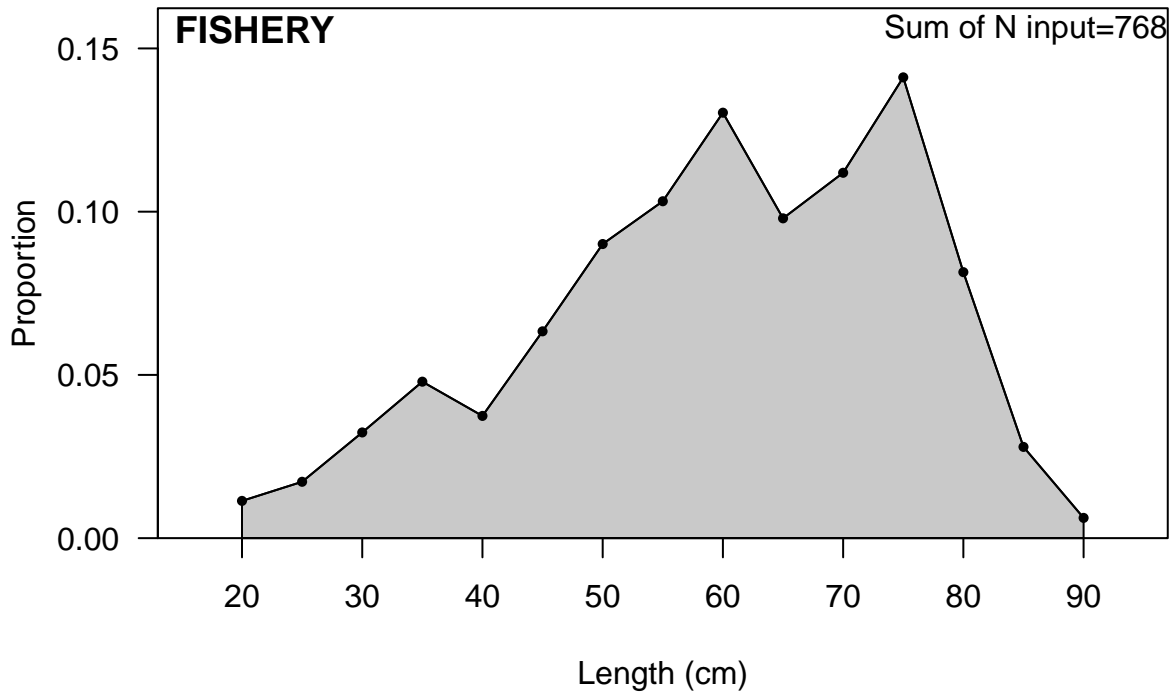


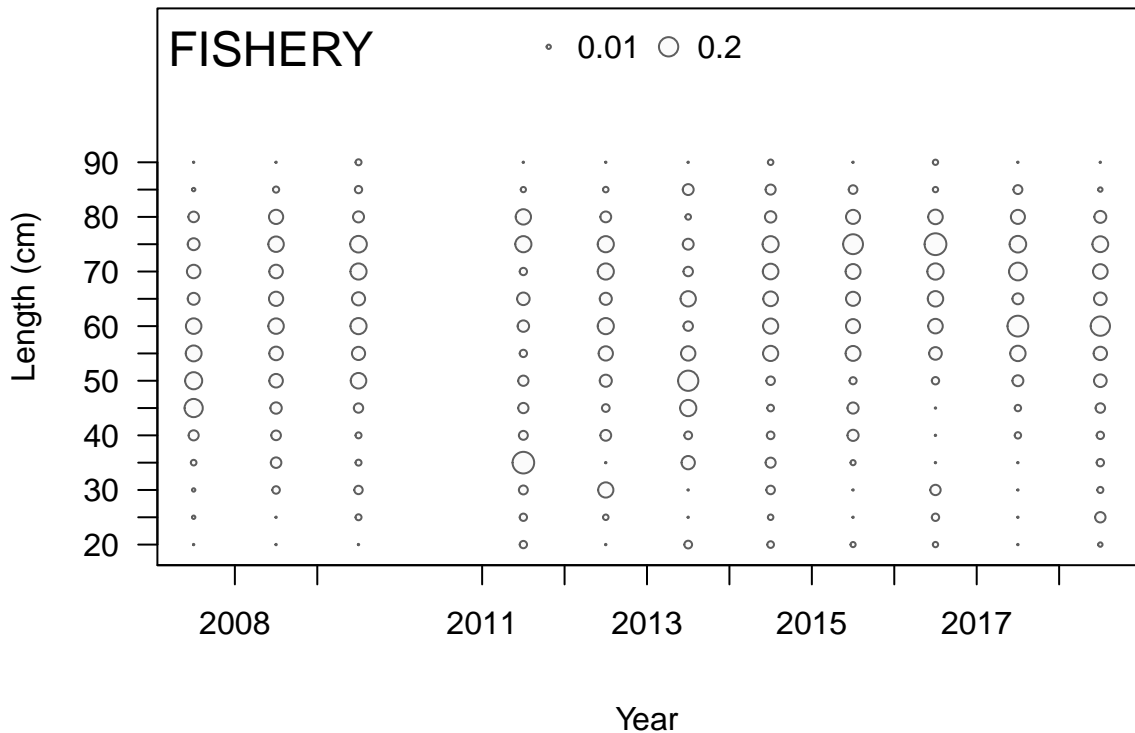




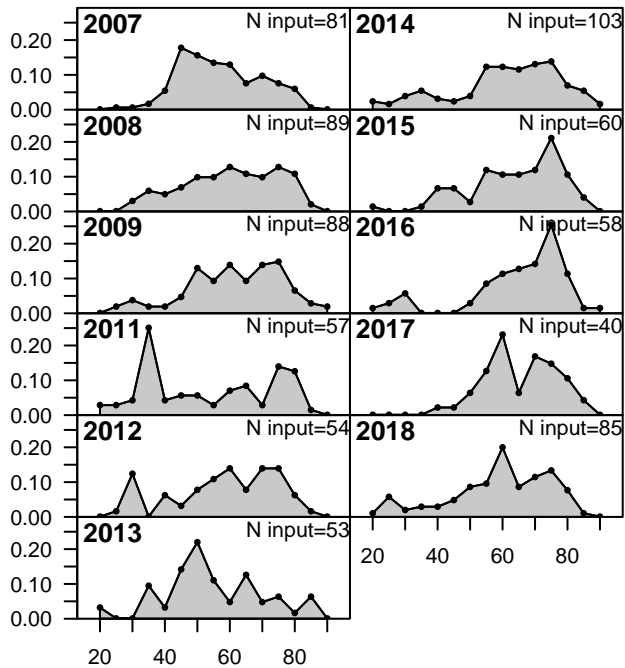




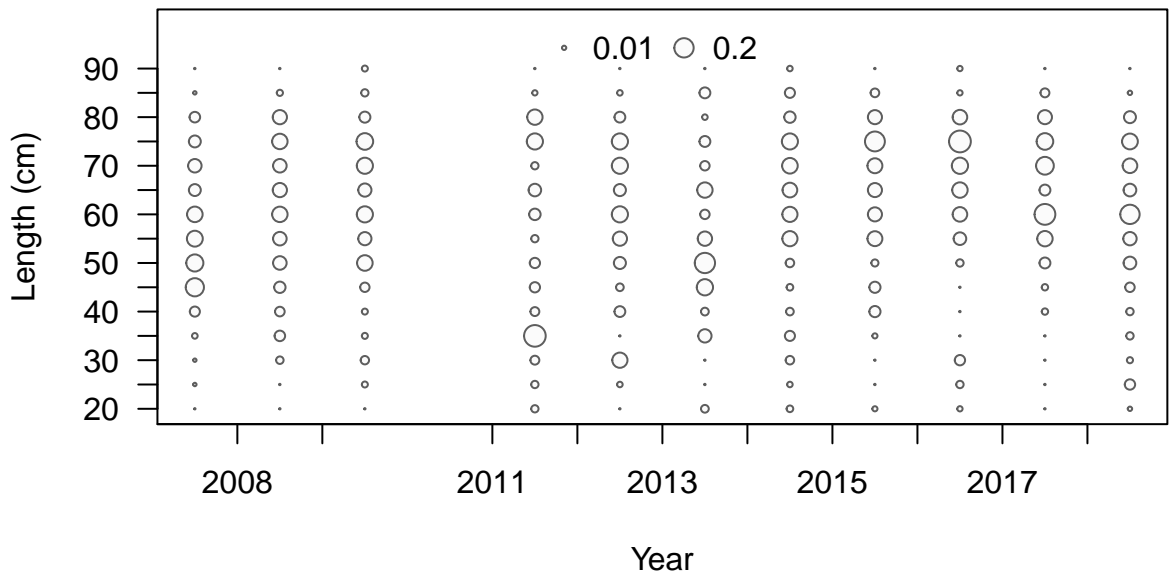




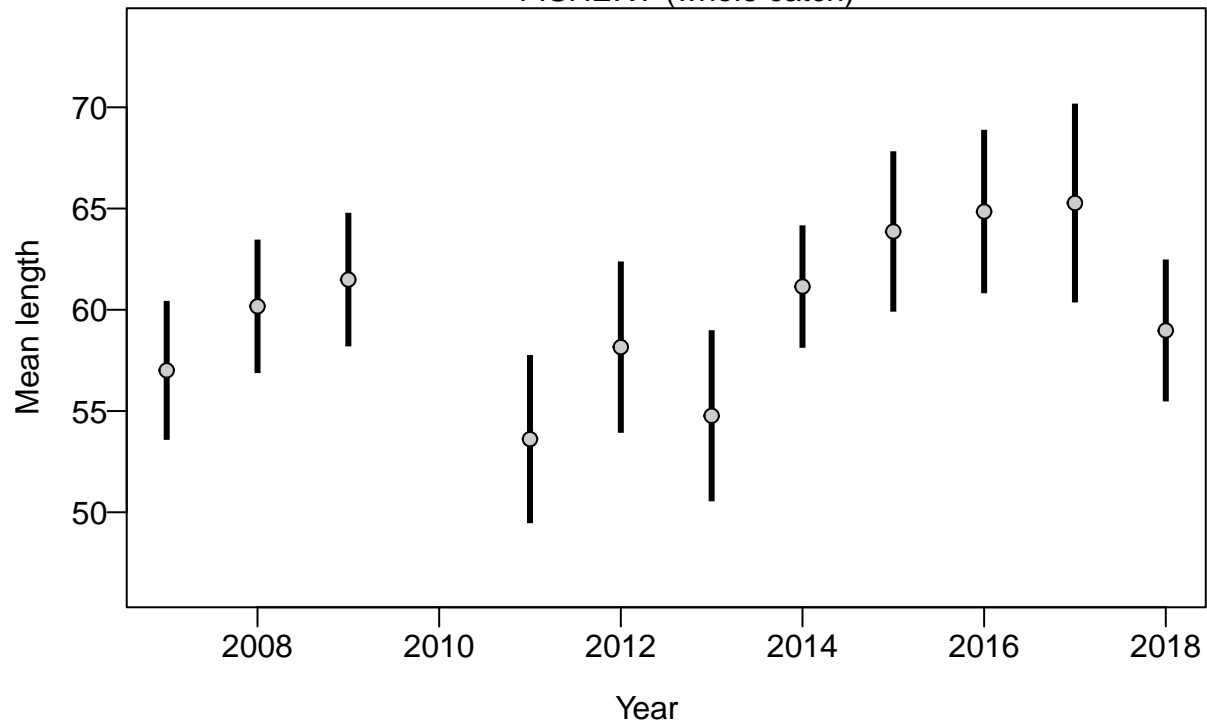
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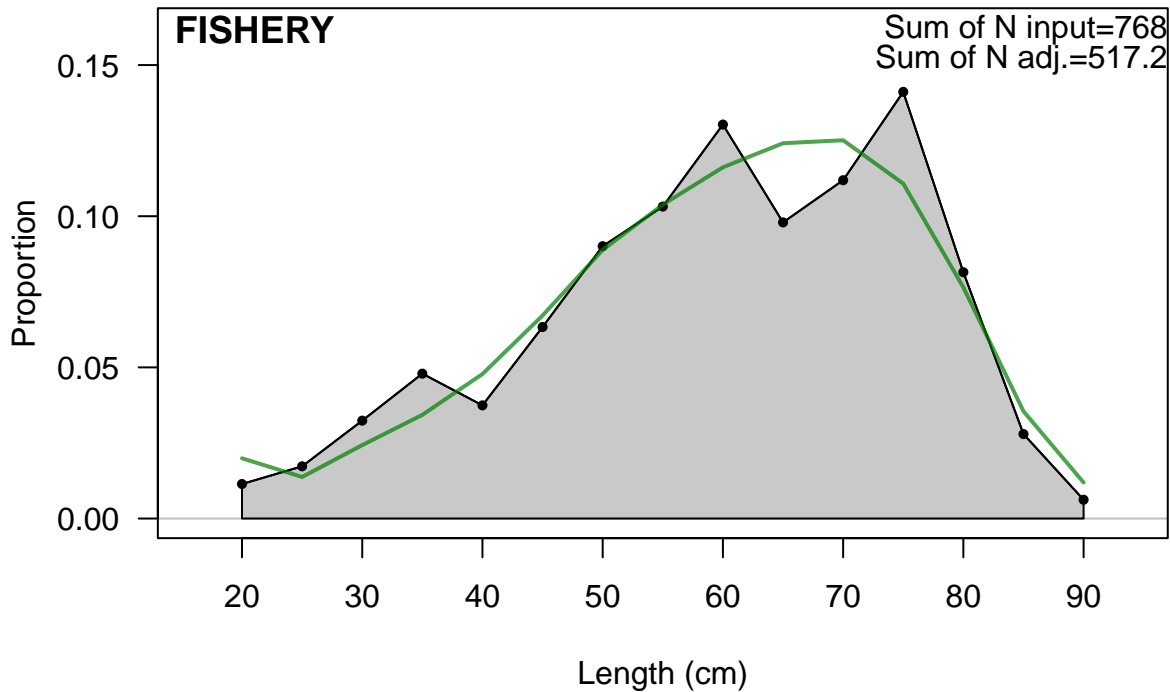


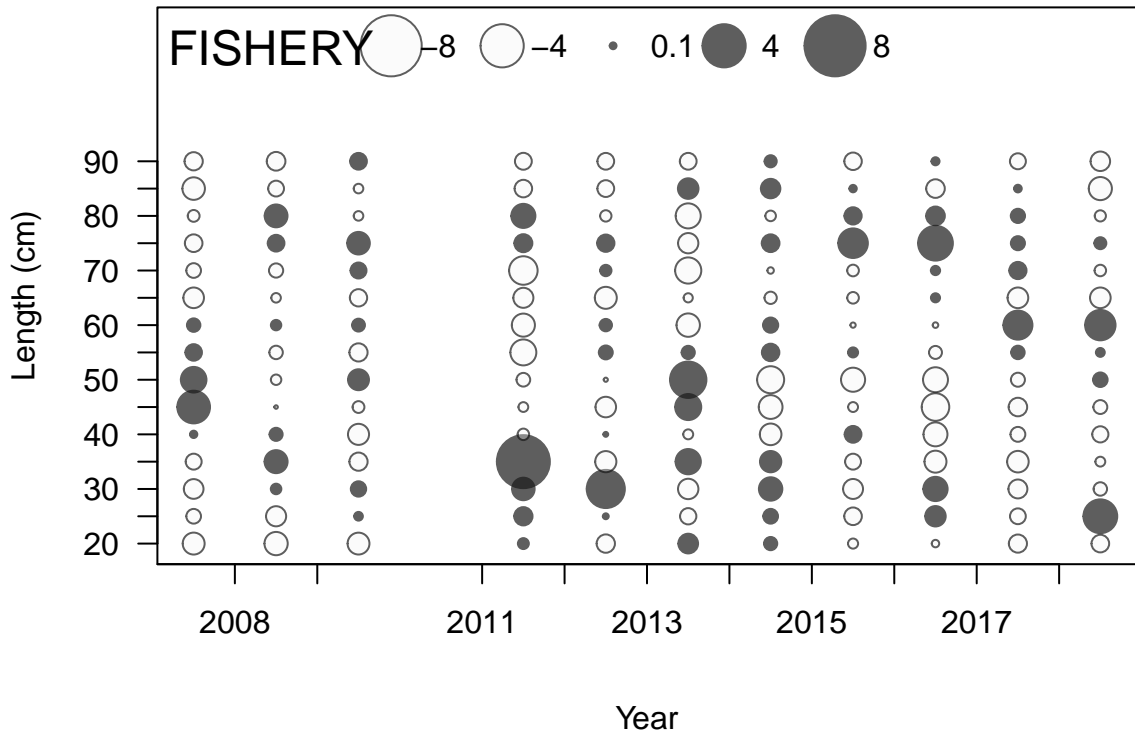
Length (cm)



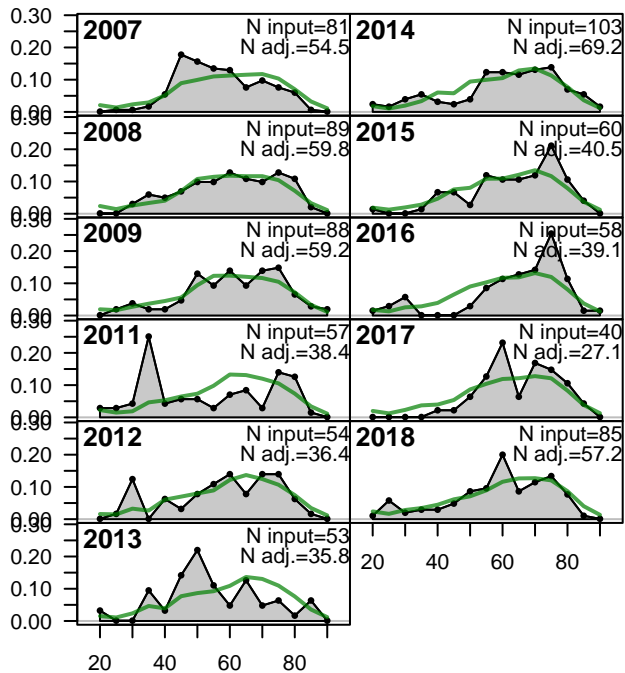
FISHERY (whole catch)



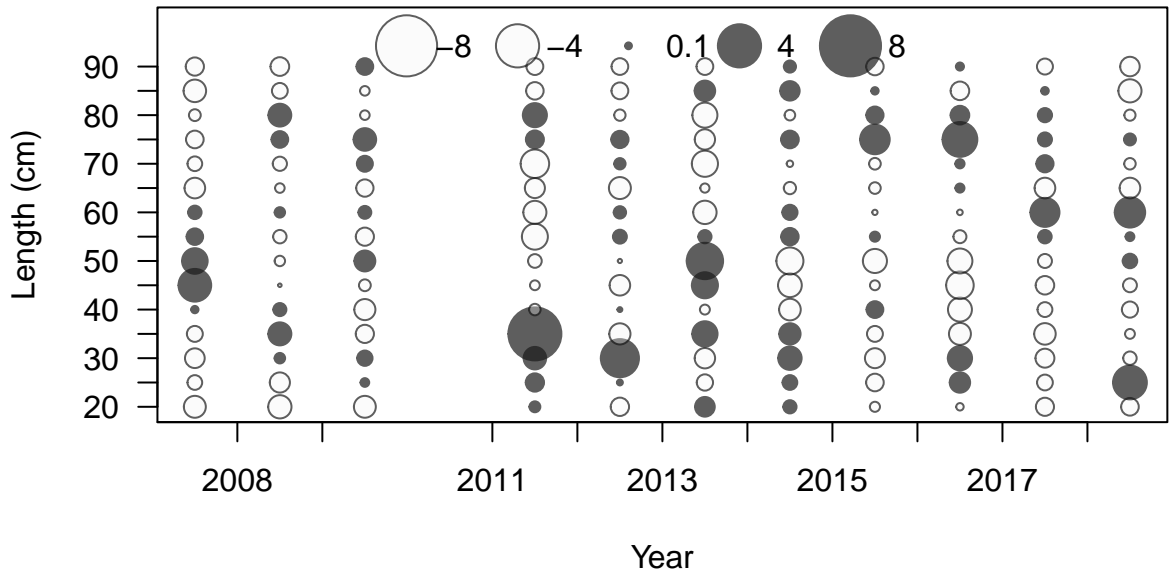




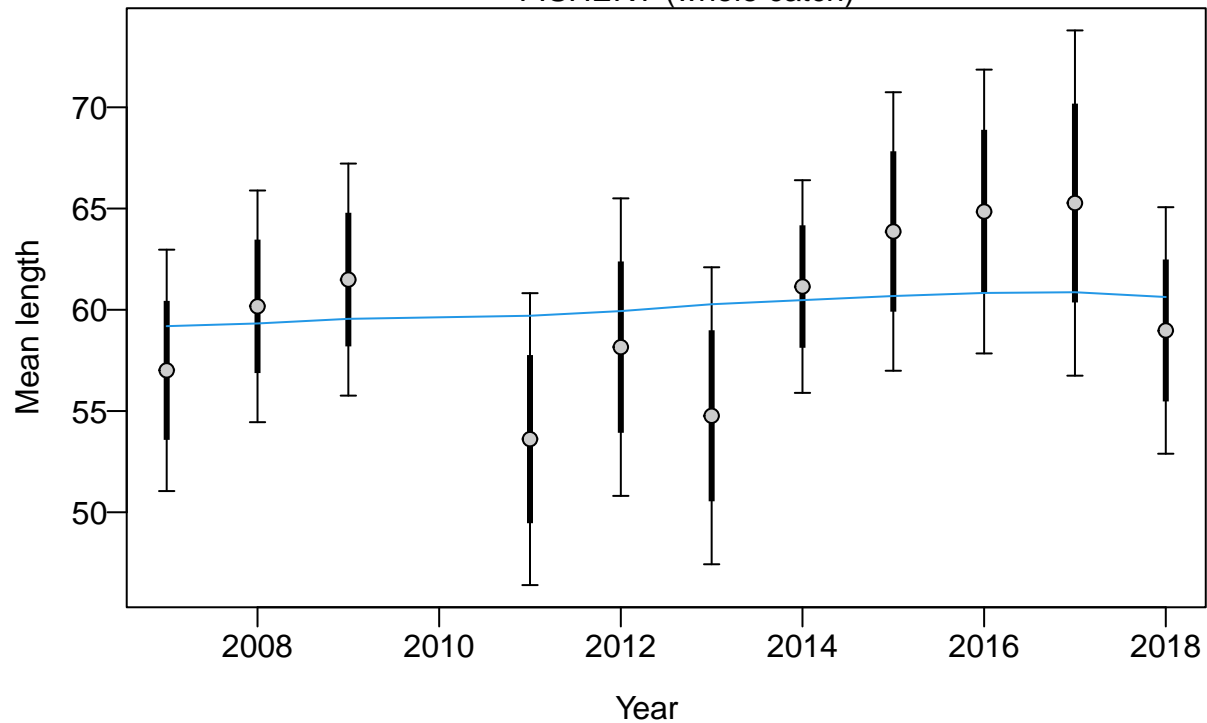
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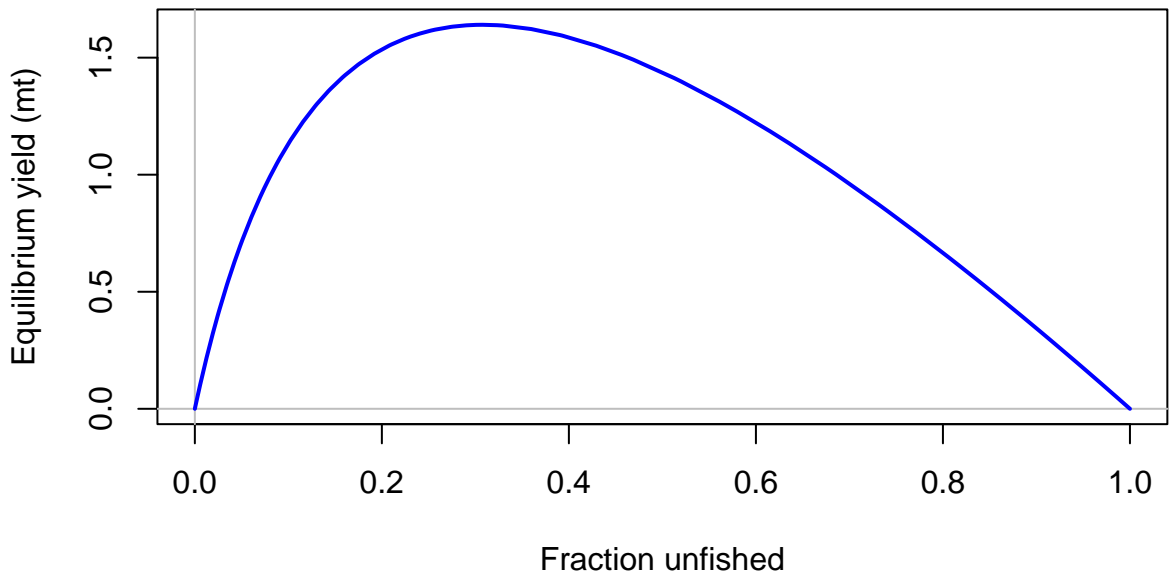


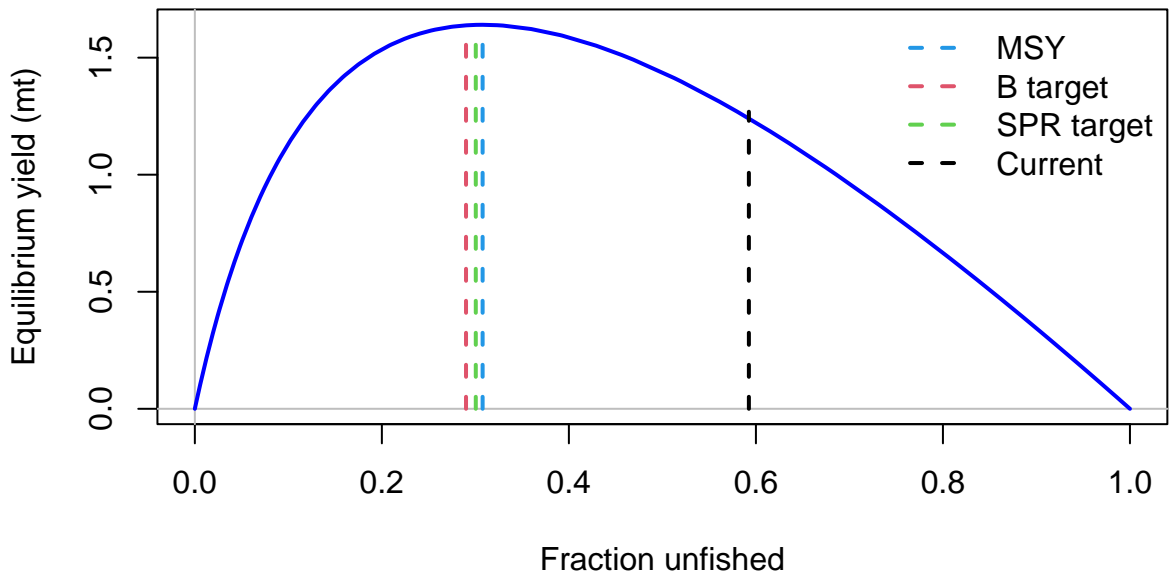
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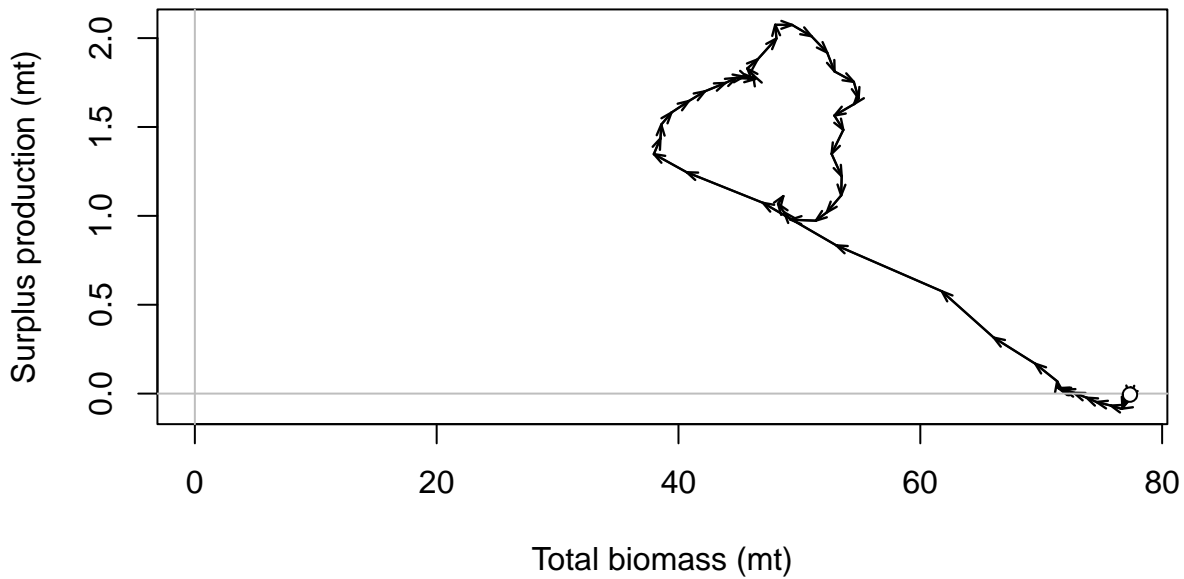


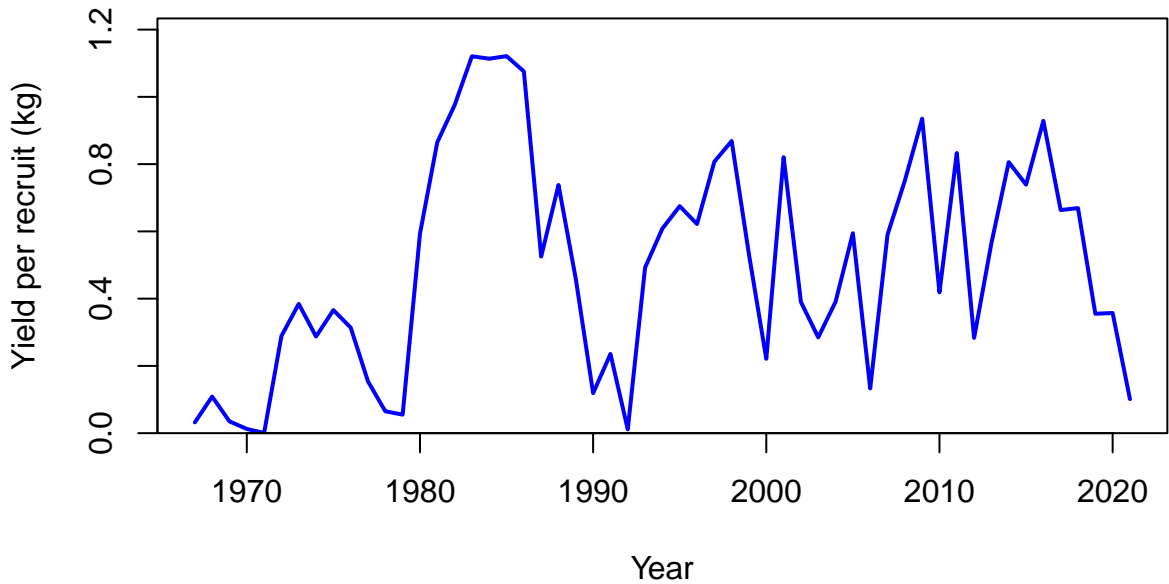
FISHERY (whole catch)

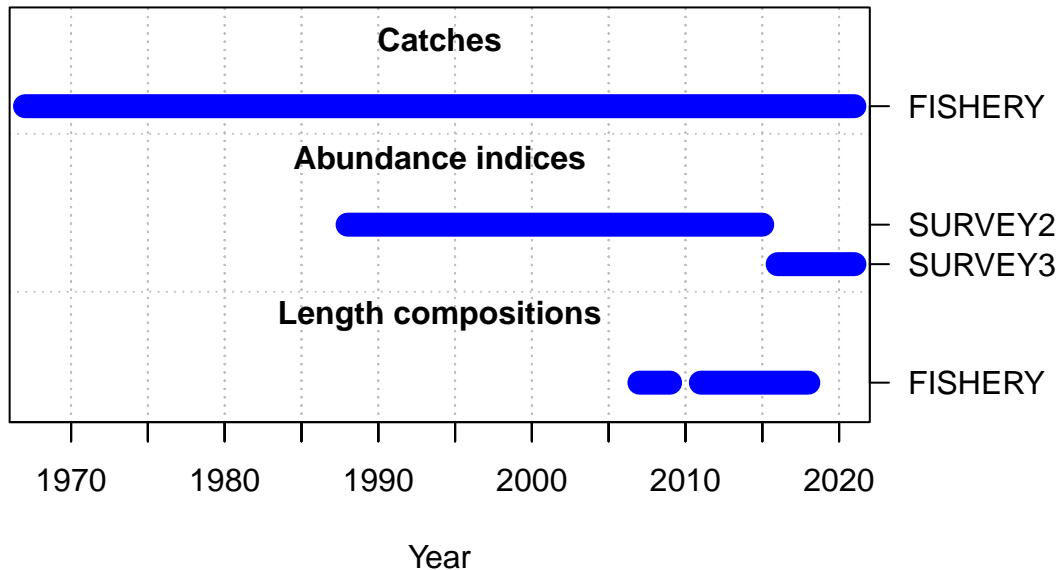


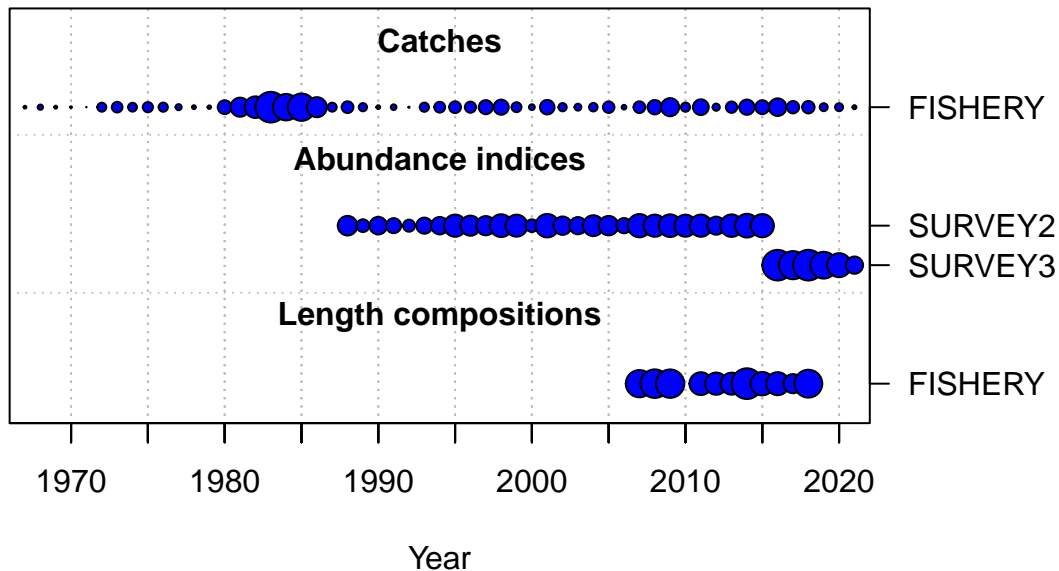








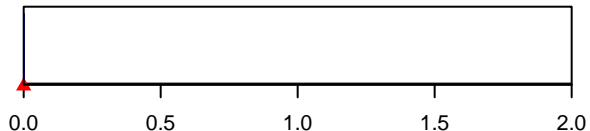




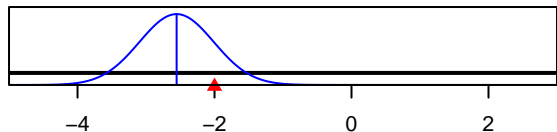
SR_LN(R0)



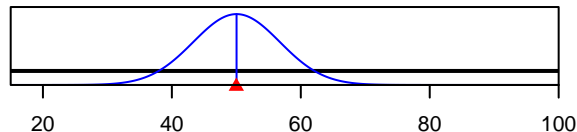
Q_extraSD_SURVEY3(3)



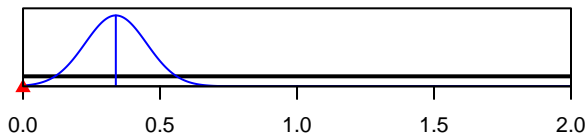
LnQ_base_SURVEY2(2)



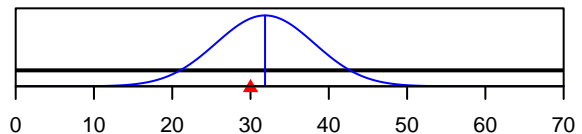
Size_inflection_FISHERY(1)



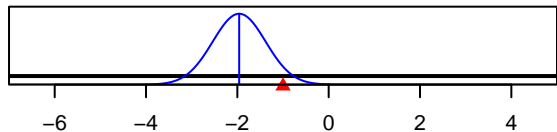
Q_extraSD_SURVEY2(2)



Size_95%width_FISHERY(1)



LnQ_base_SURVEY3(3)



ln(DM_theta)_1

