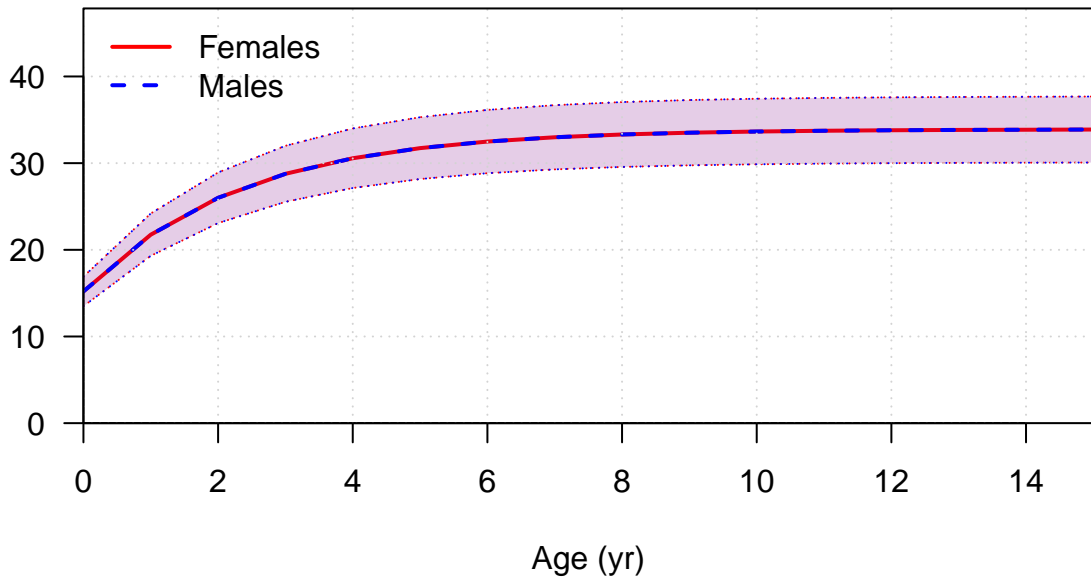
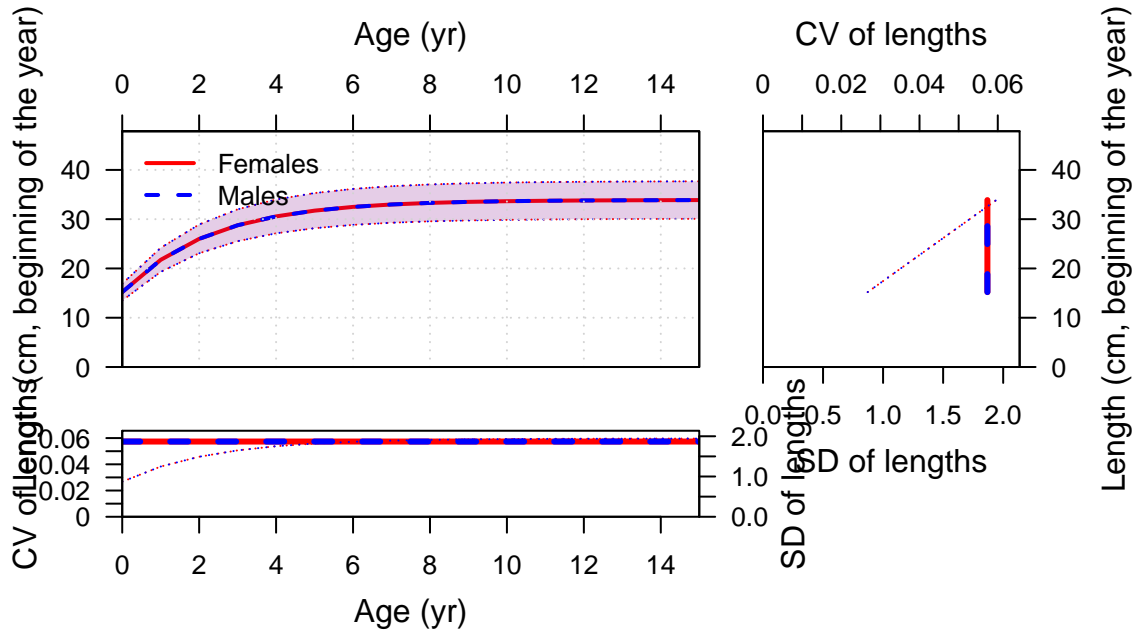
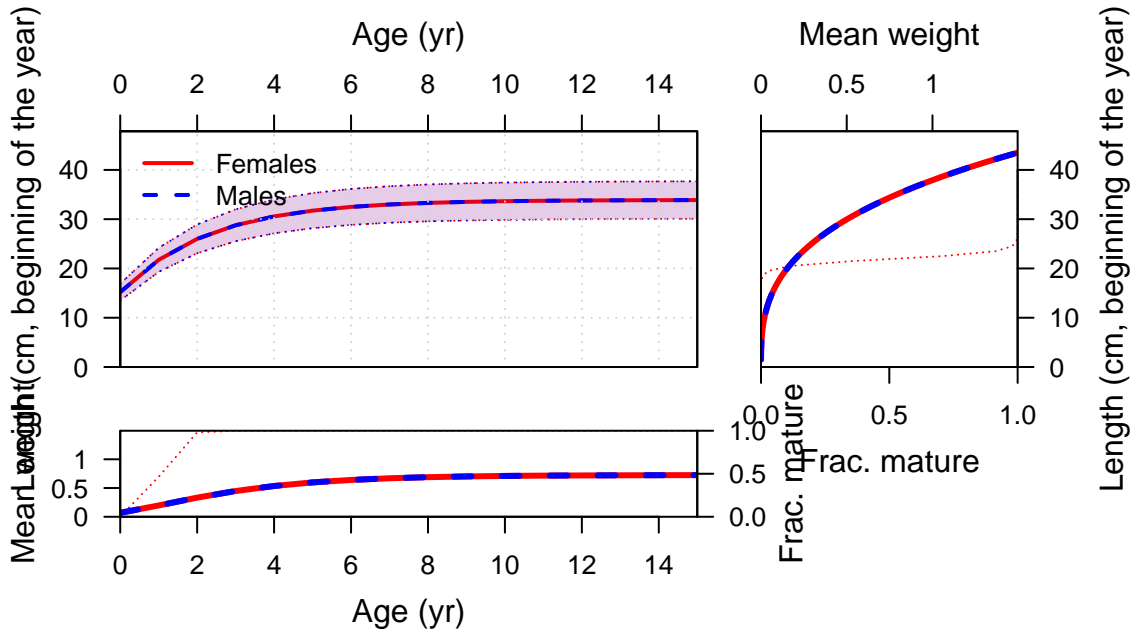


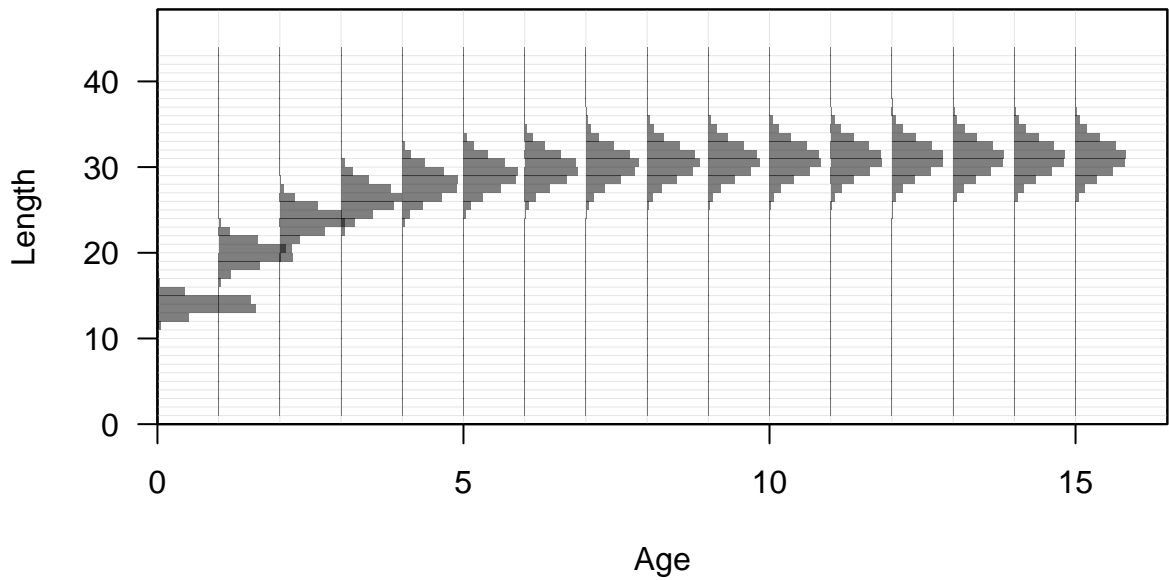
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Thu Oct 20 10:17:08 2022
Data_File: data.ss
Control_File: control.ss

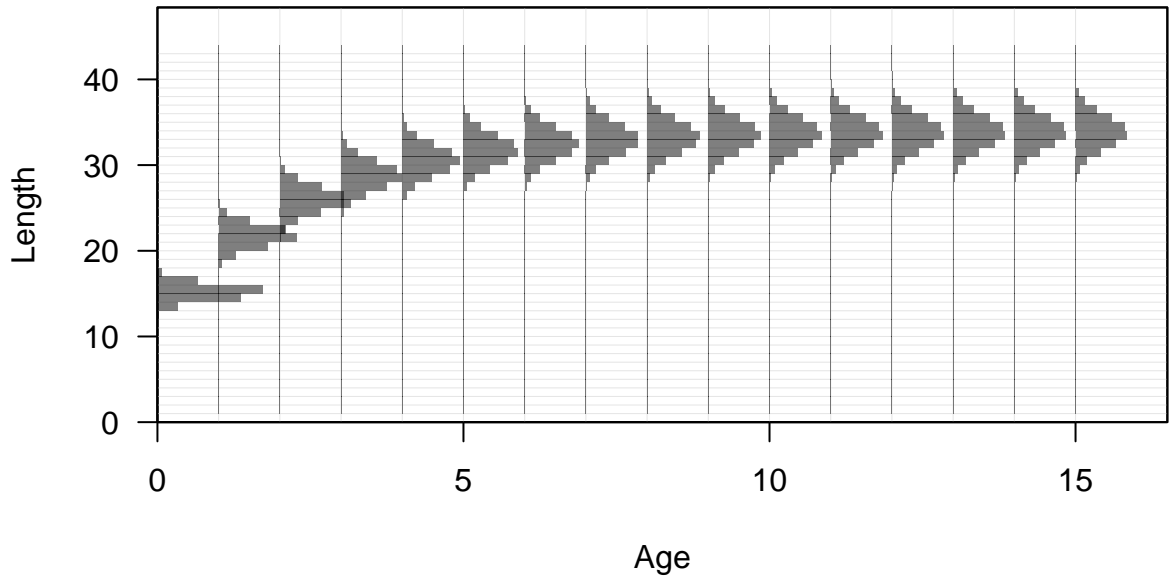
Length (cm, beginning of the year)

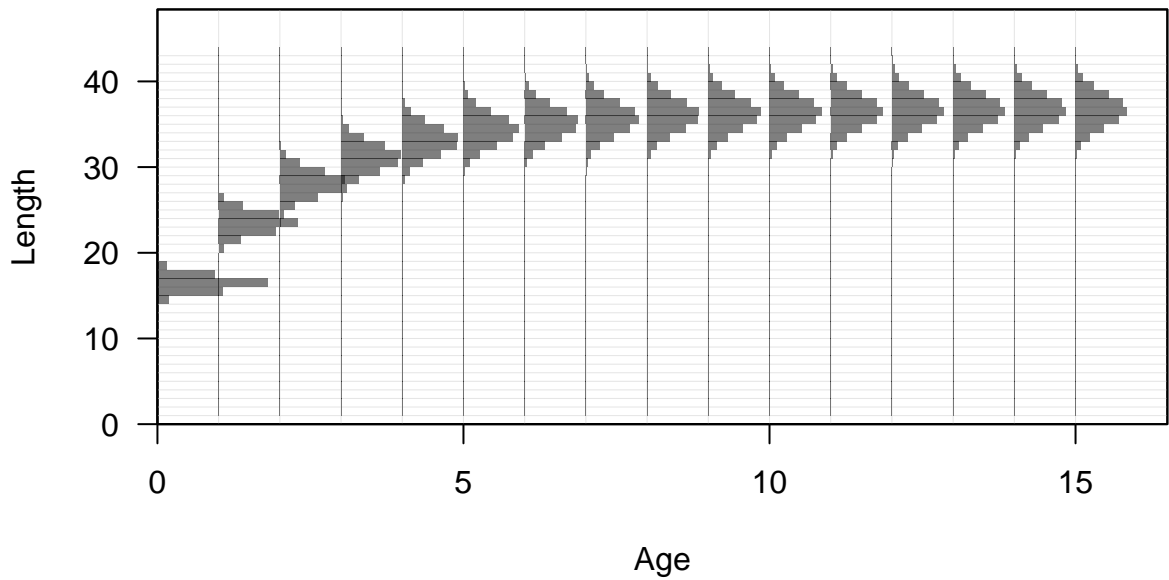


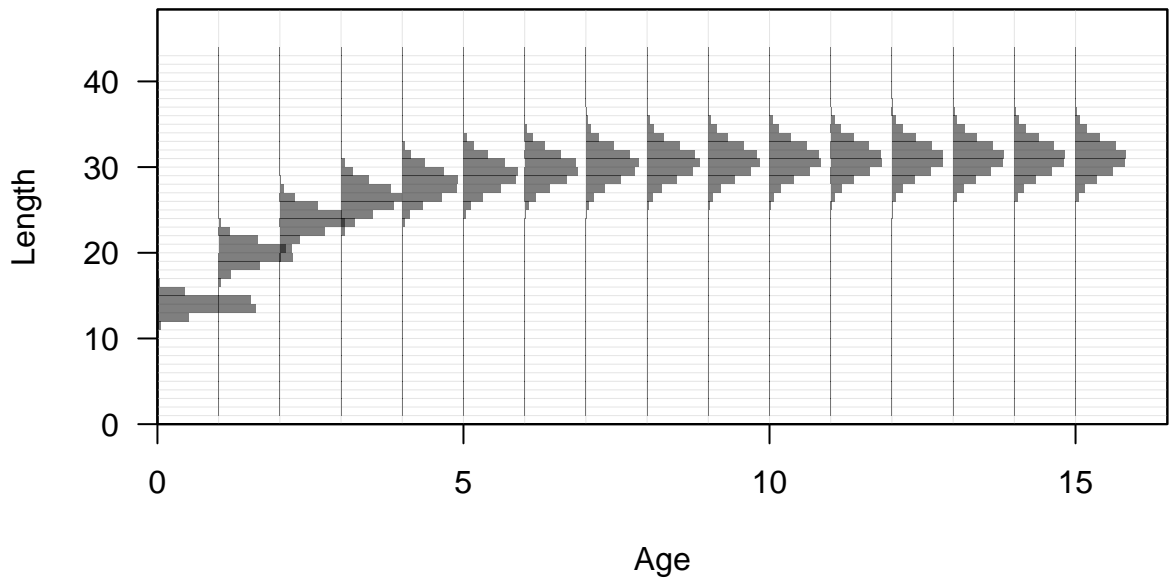


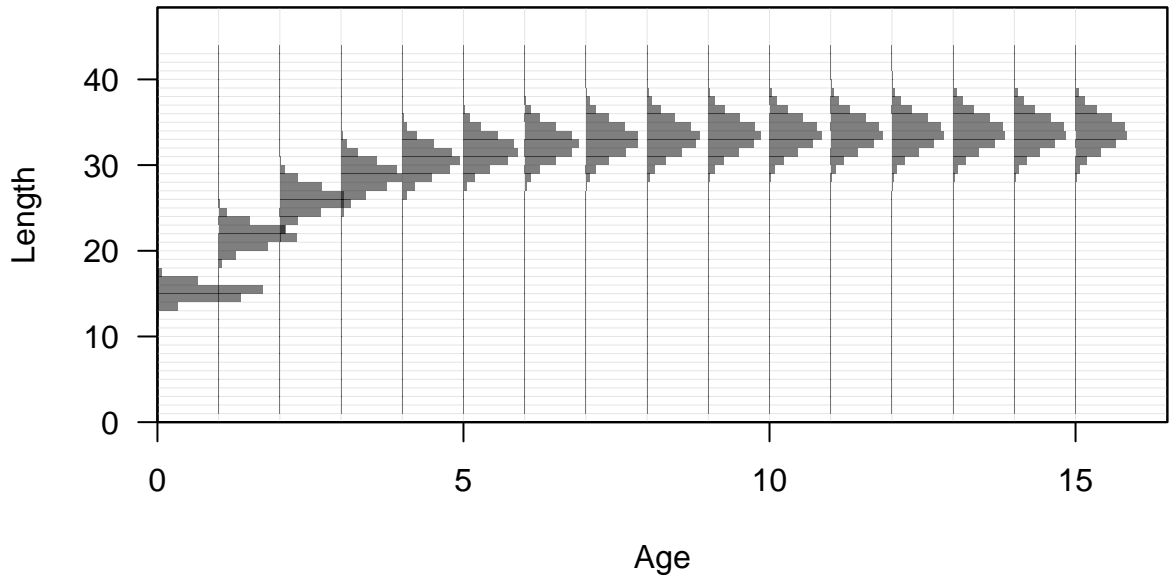


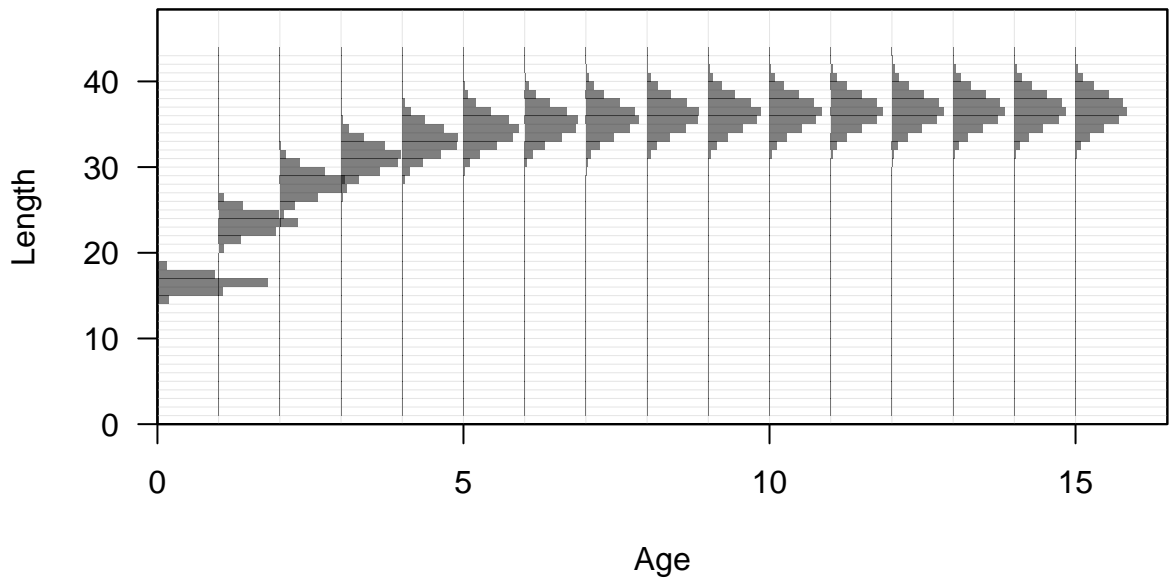


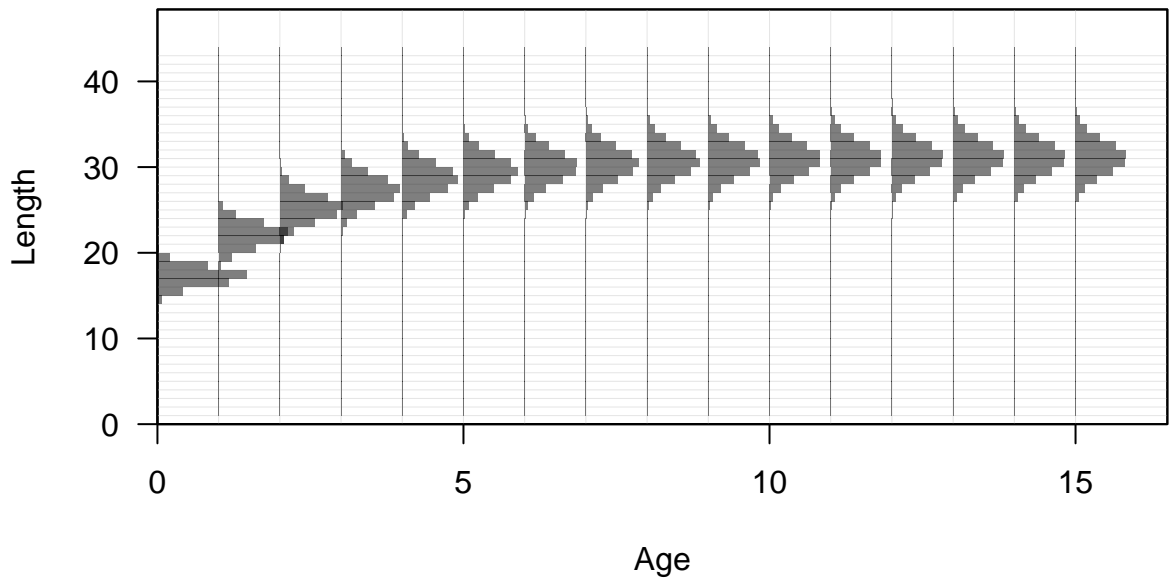


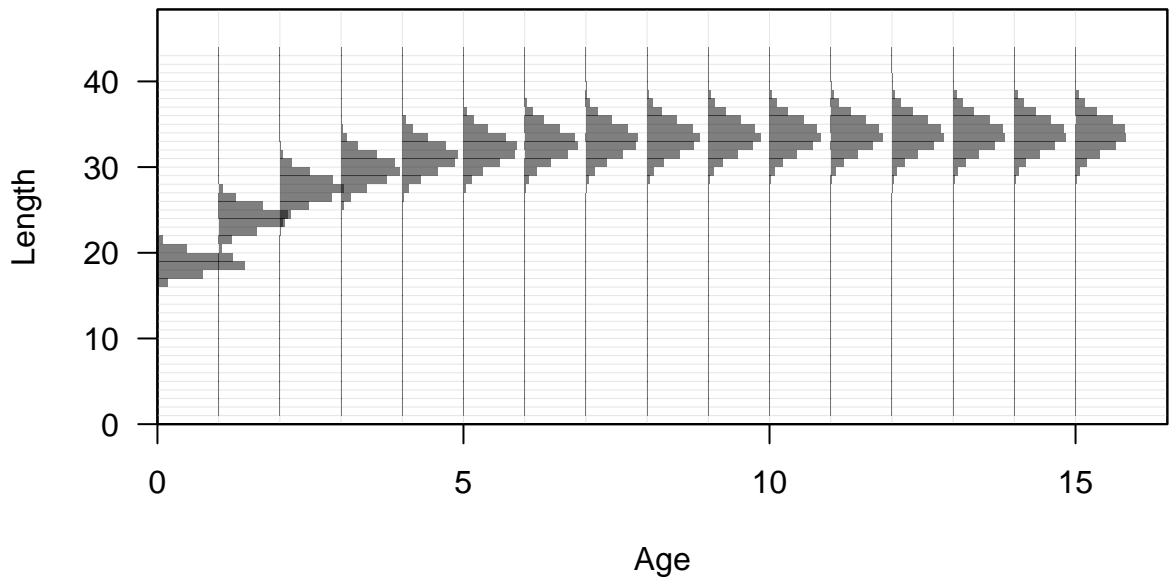


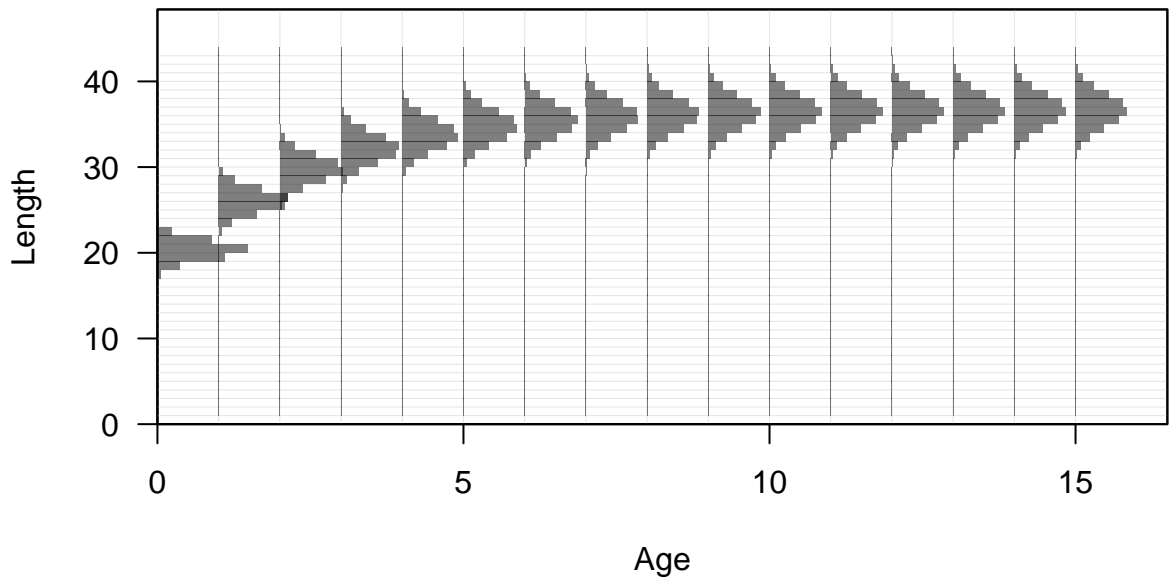


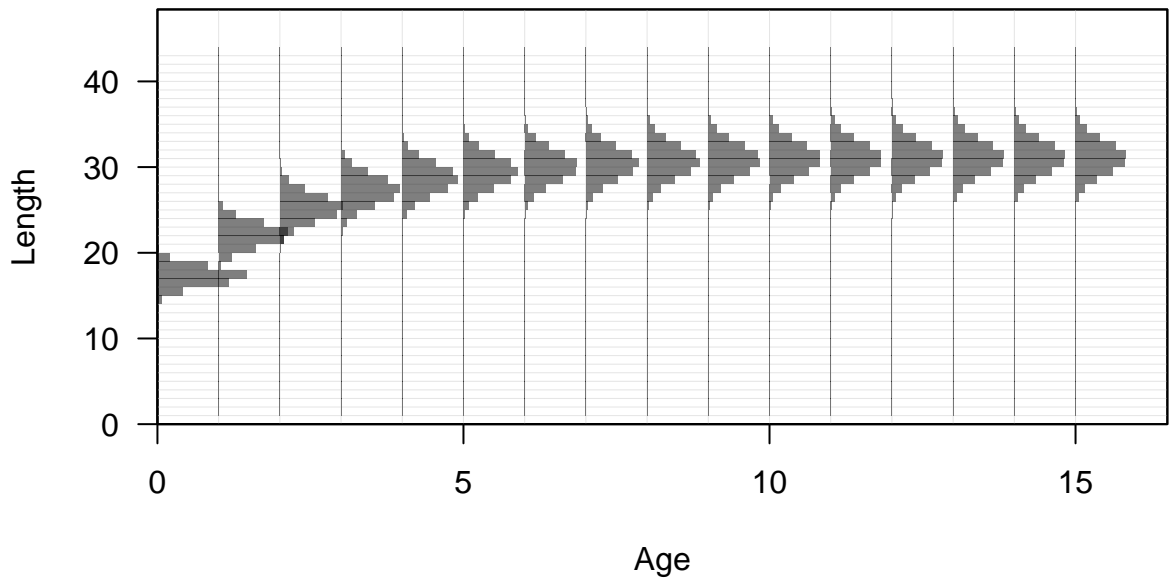


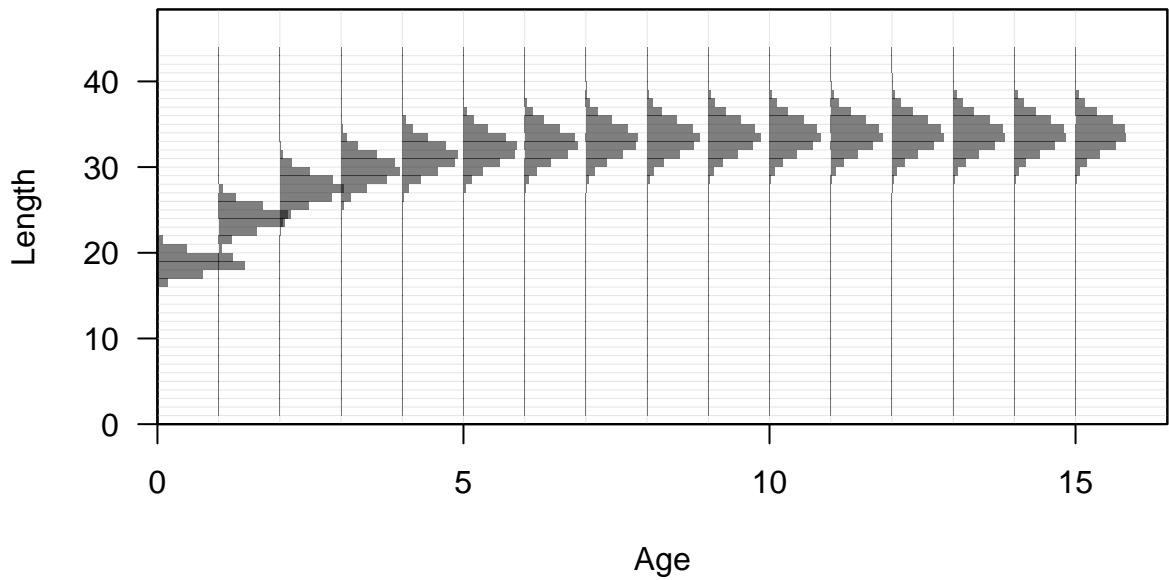


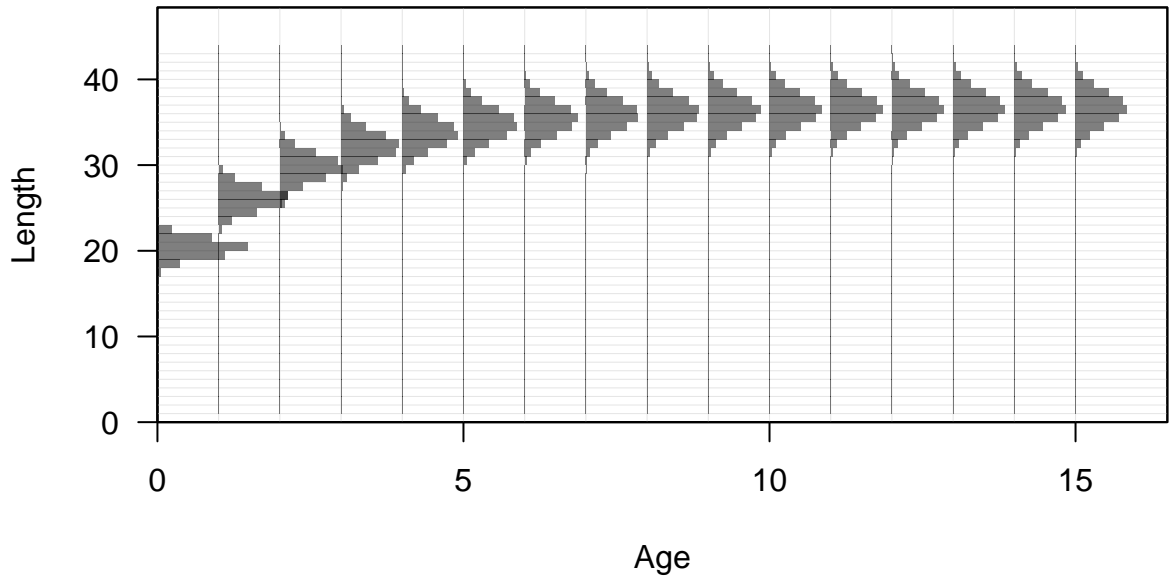








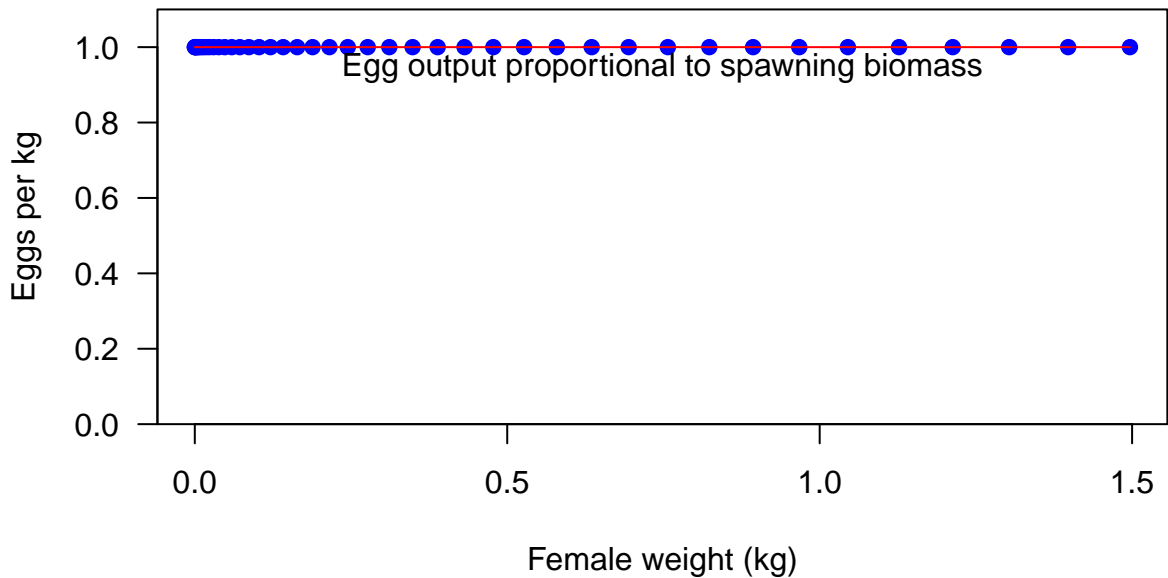






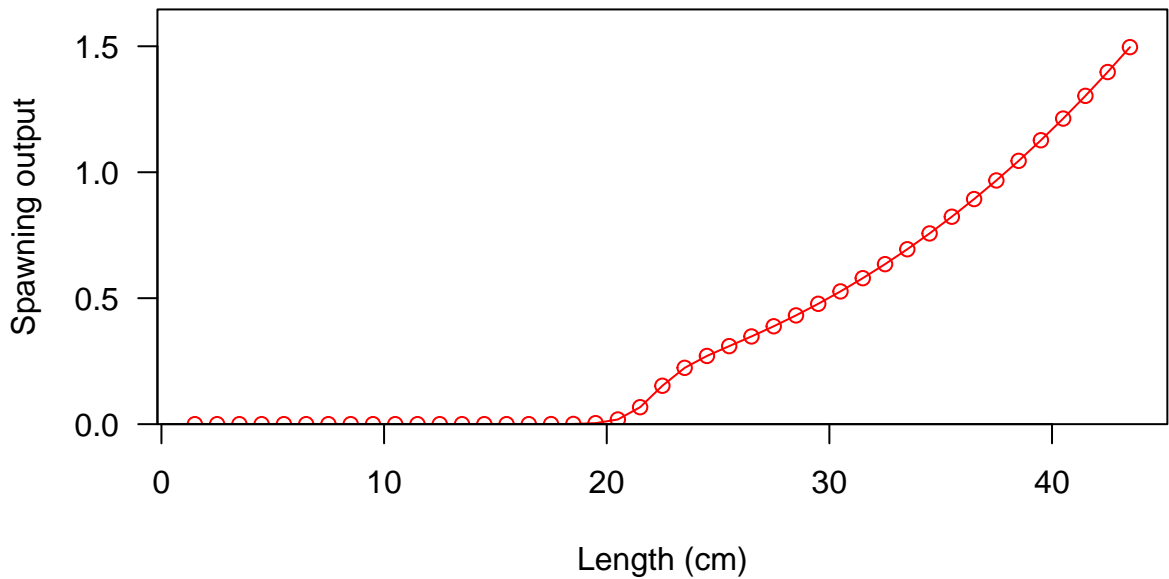


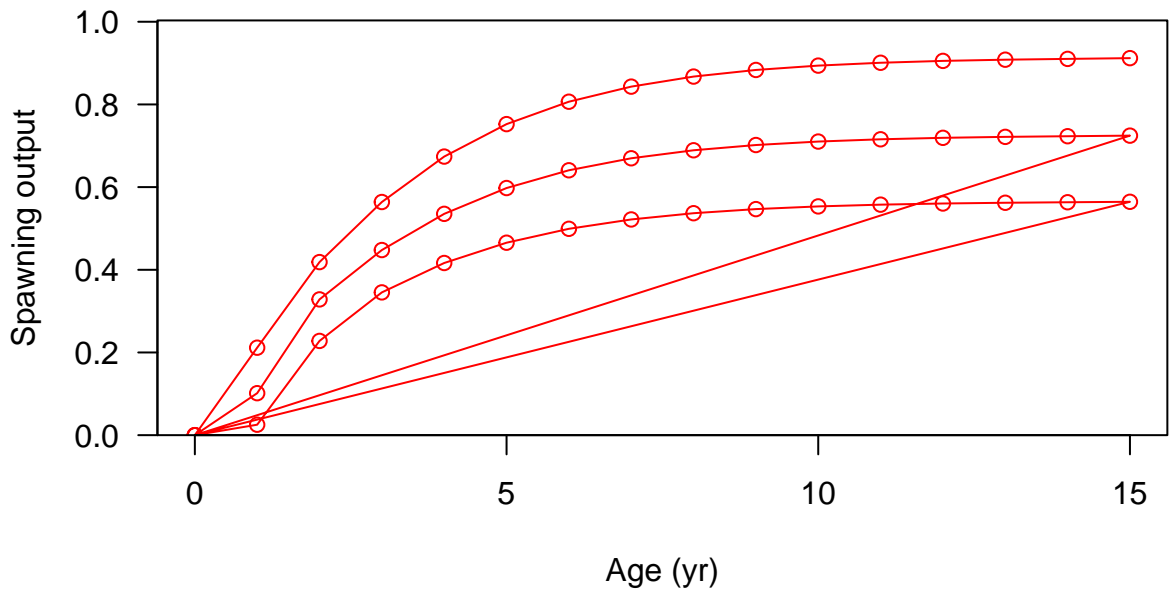




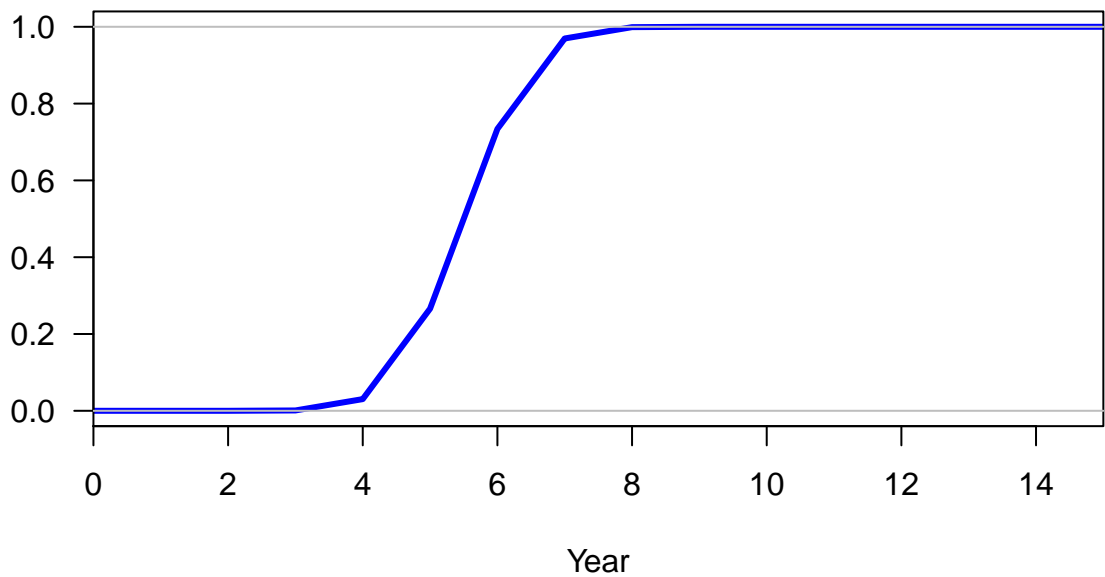








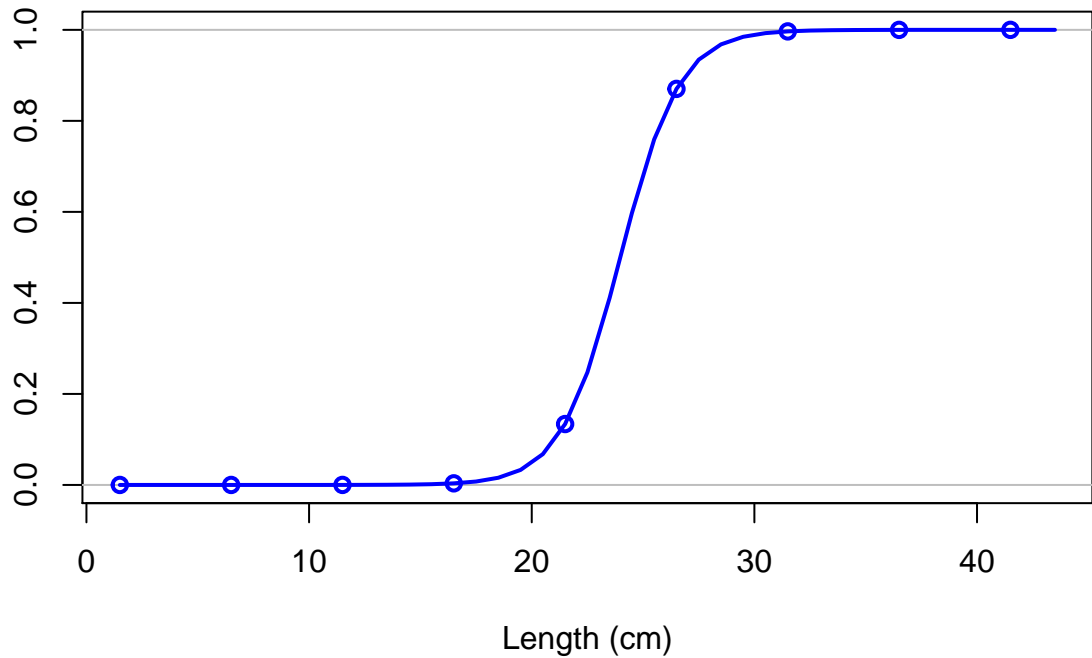
Hermaphroditism transition rate



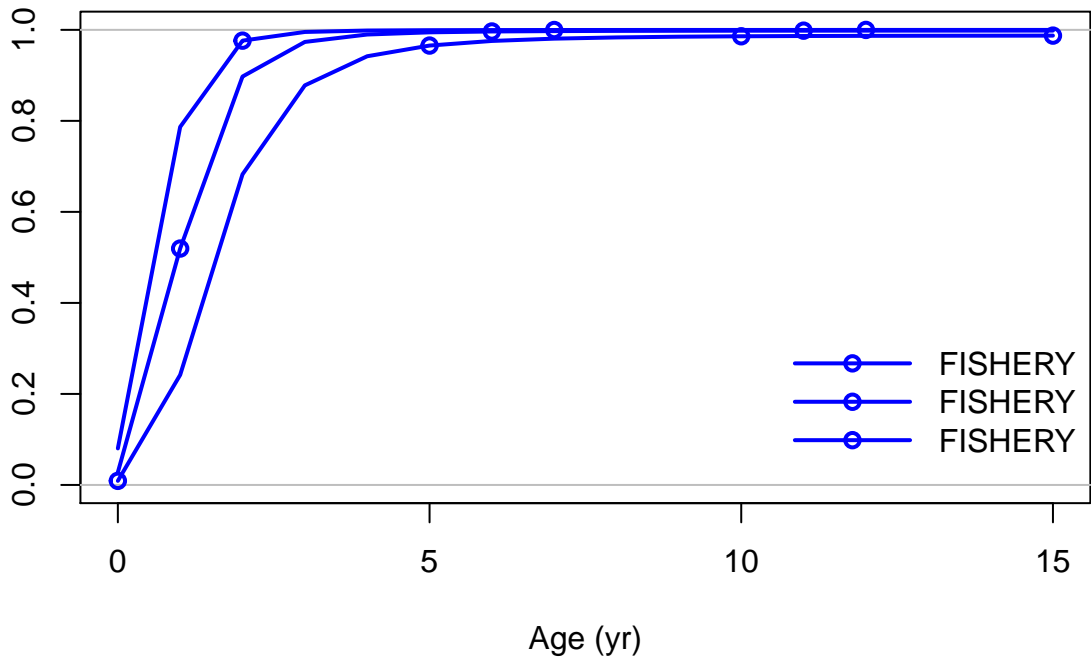
Fraction females by age at equilibrium



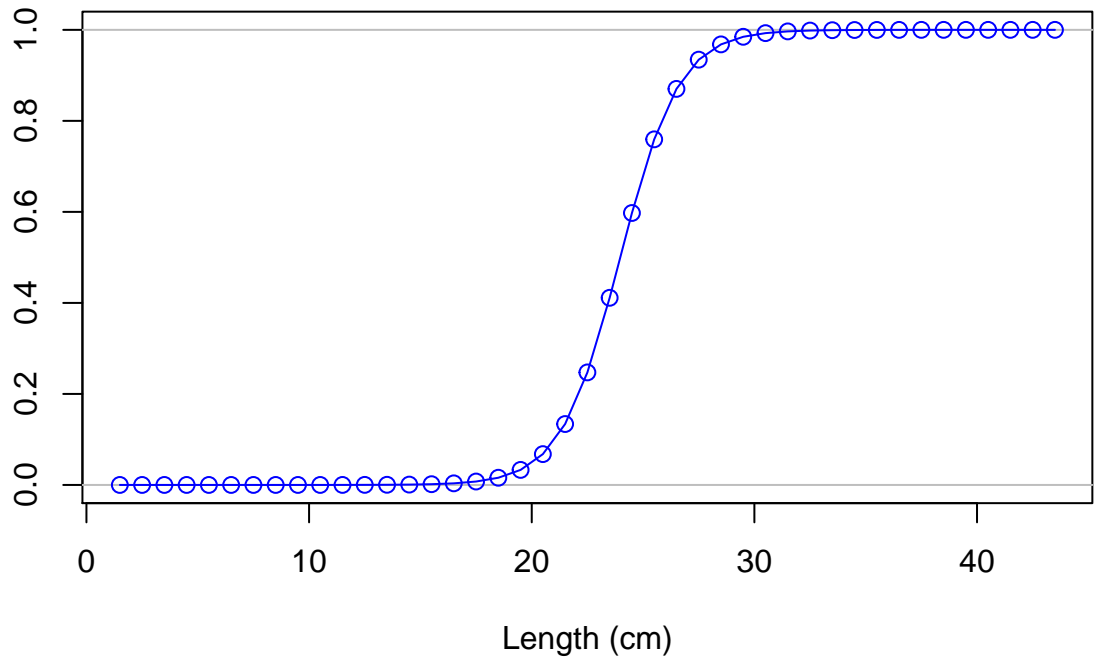
Selectivity



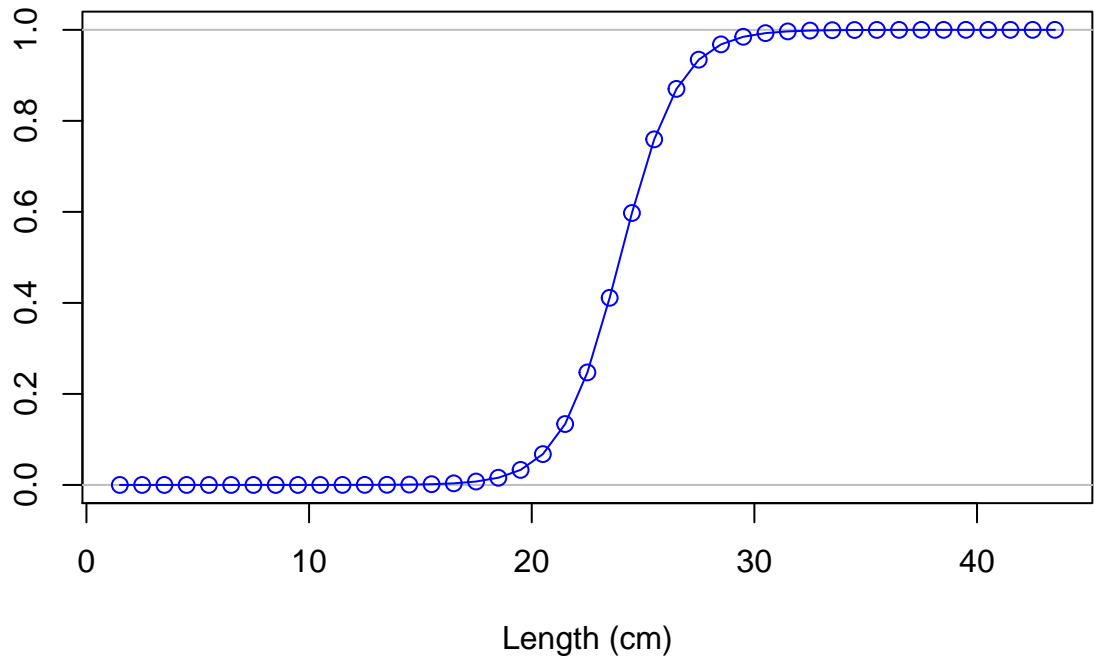
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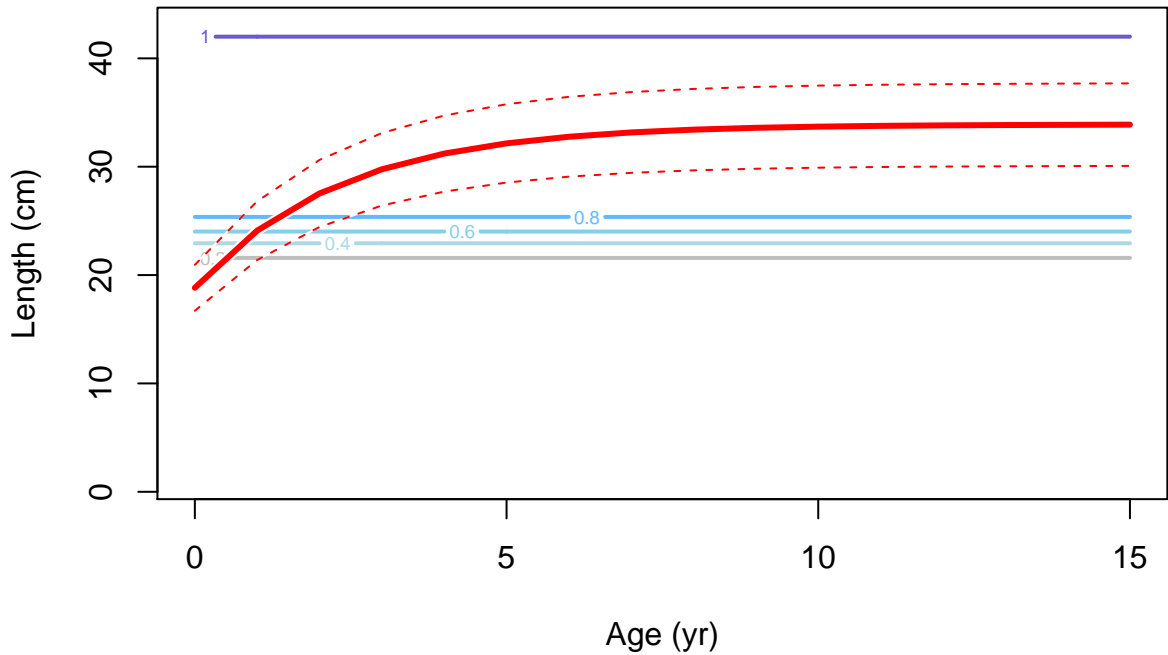


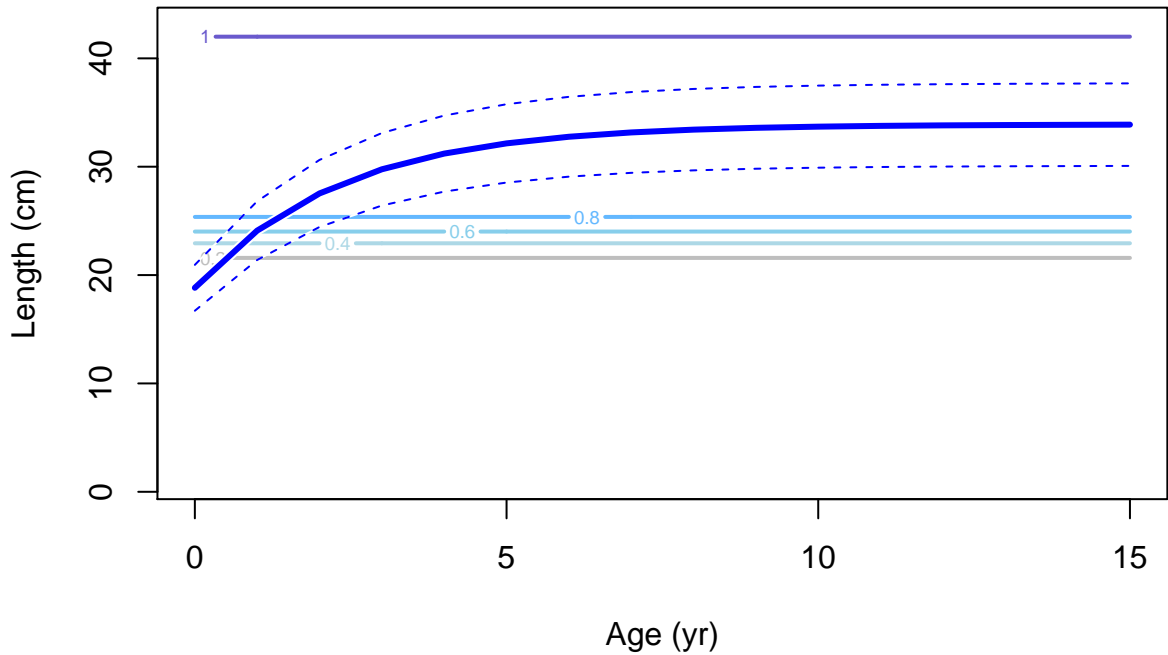
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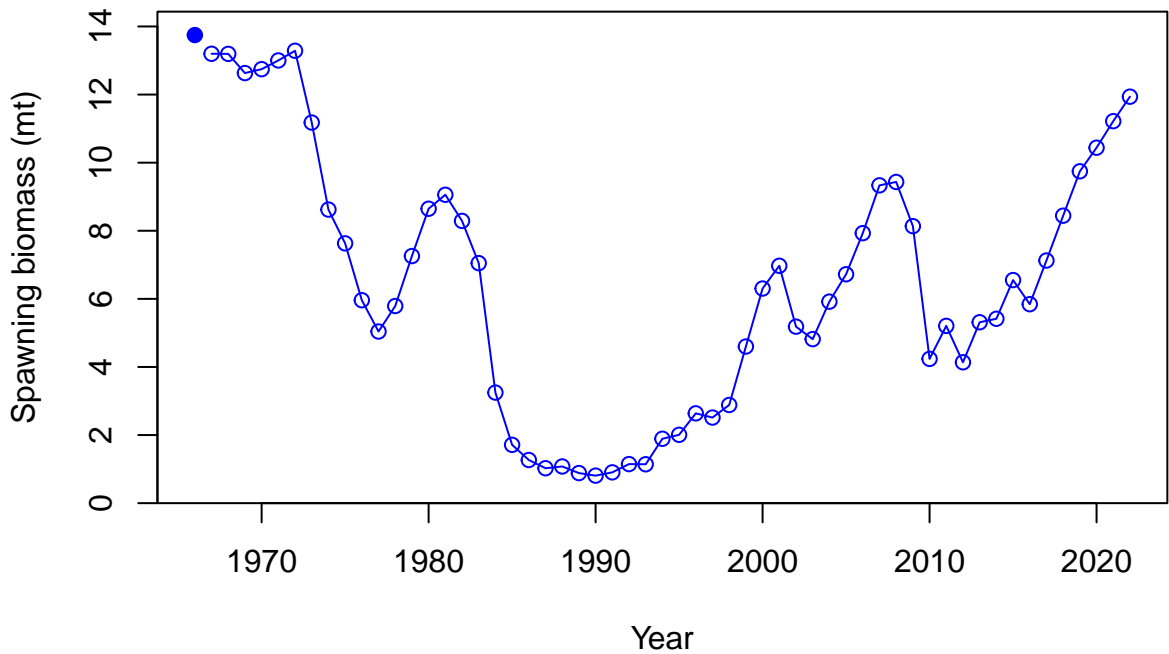


Selectivity

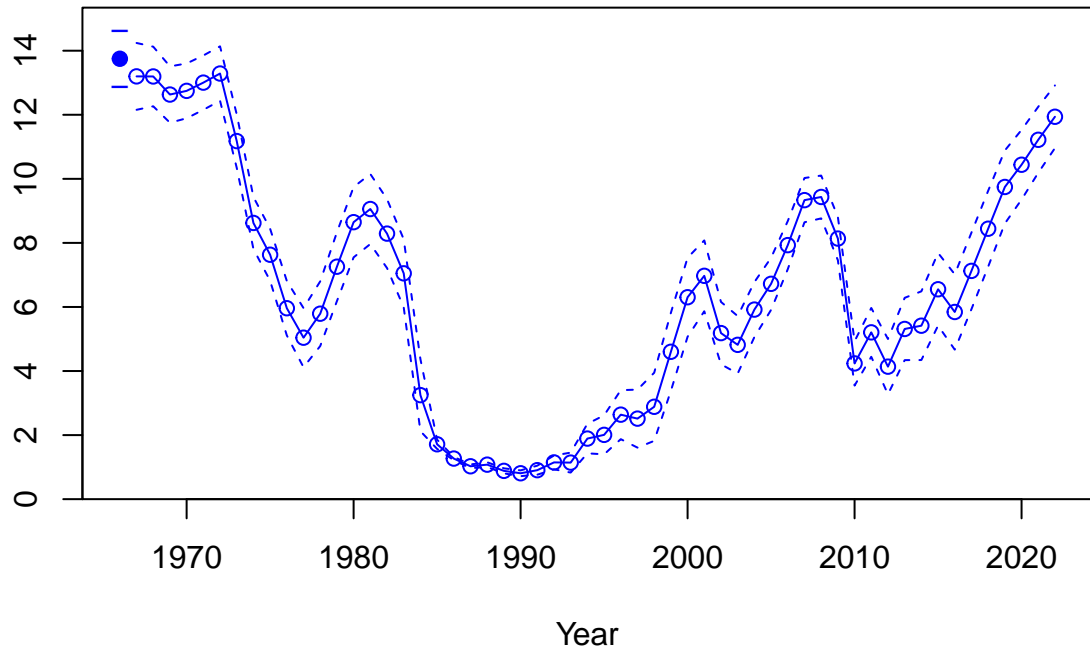




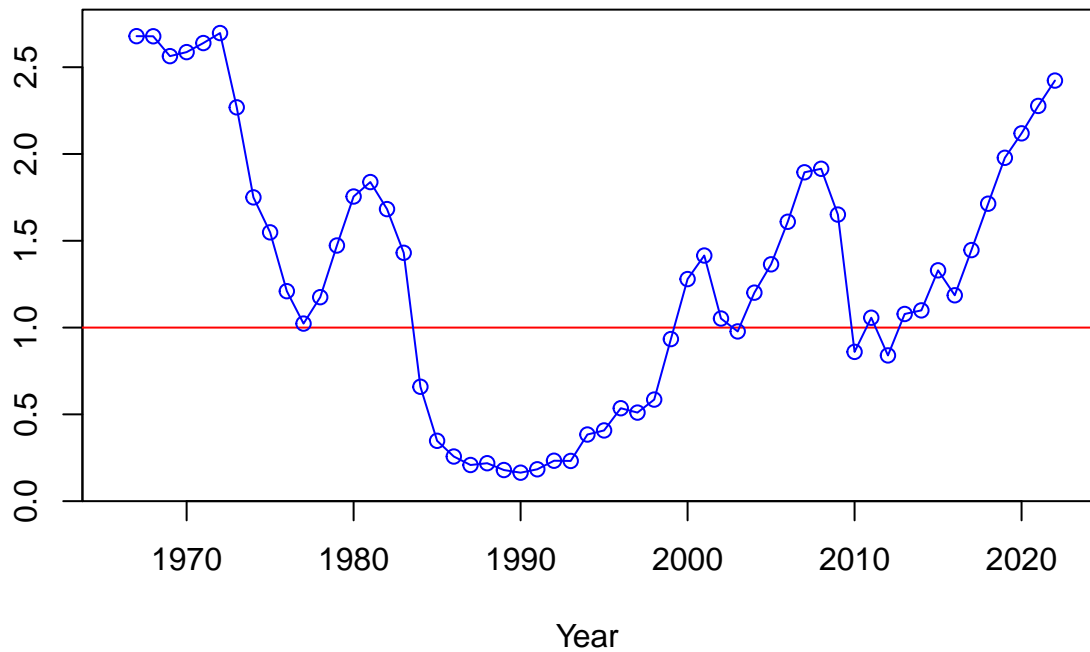




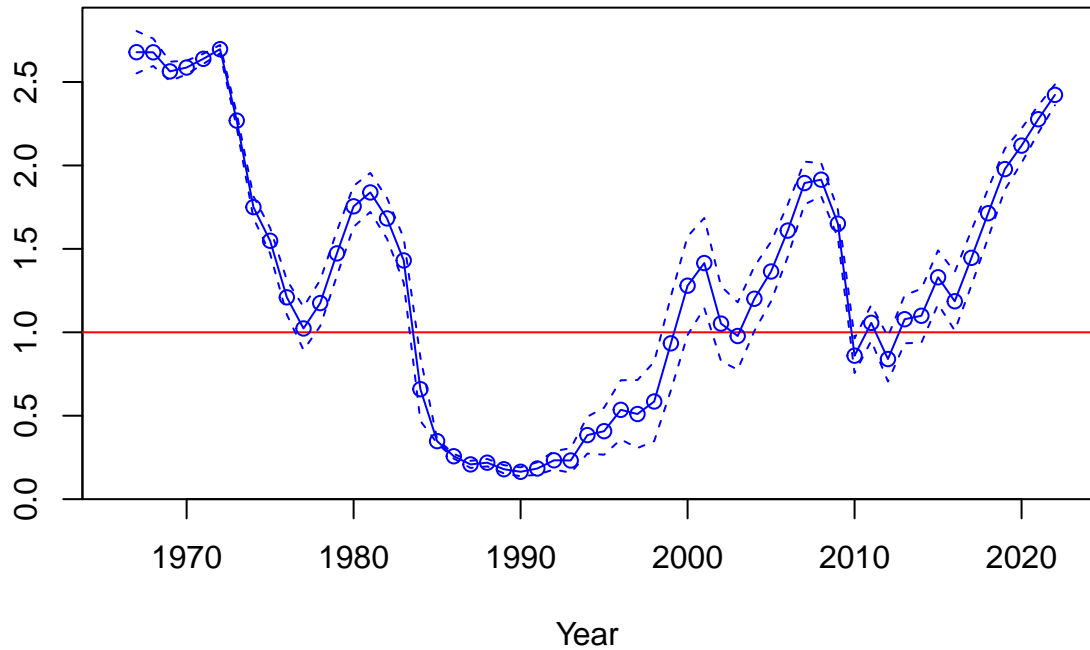
Spawning biomass (mt)

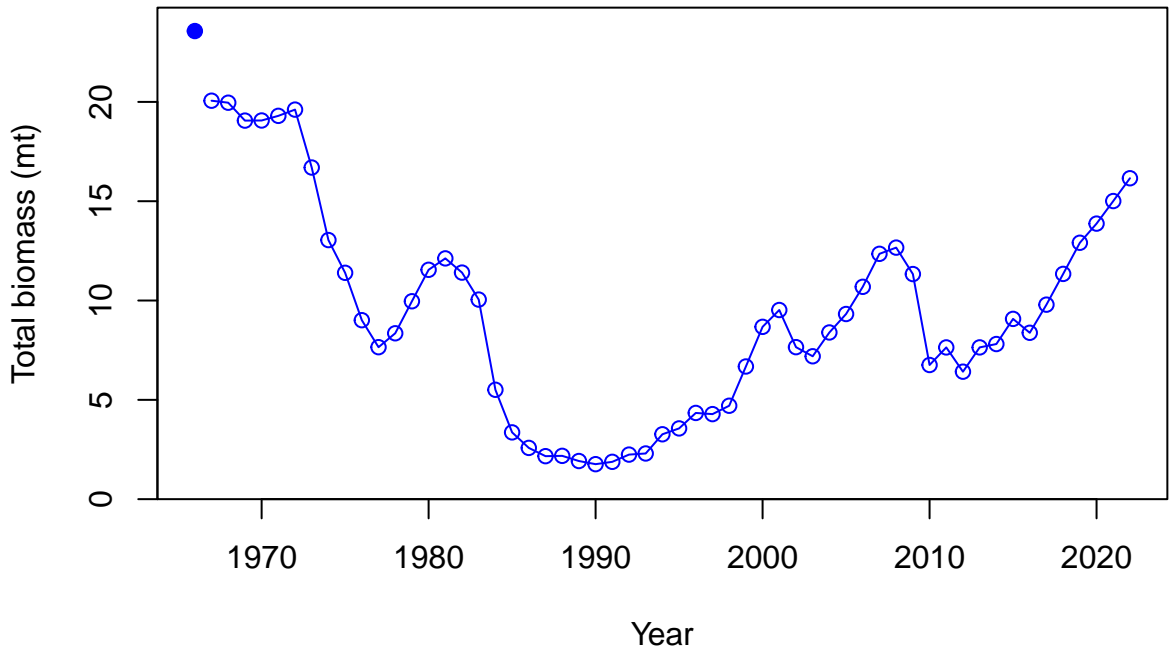


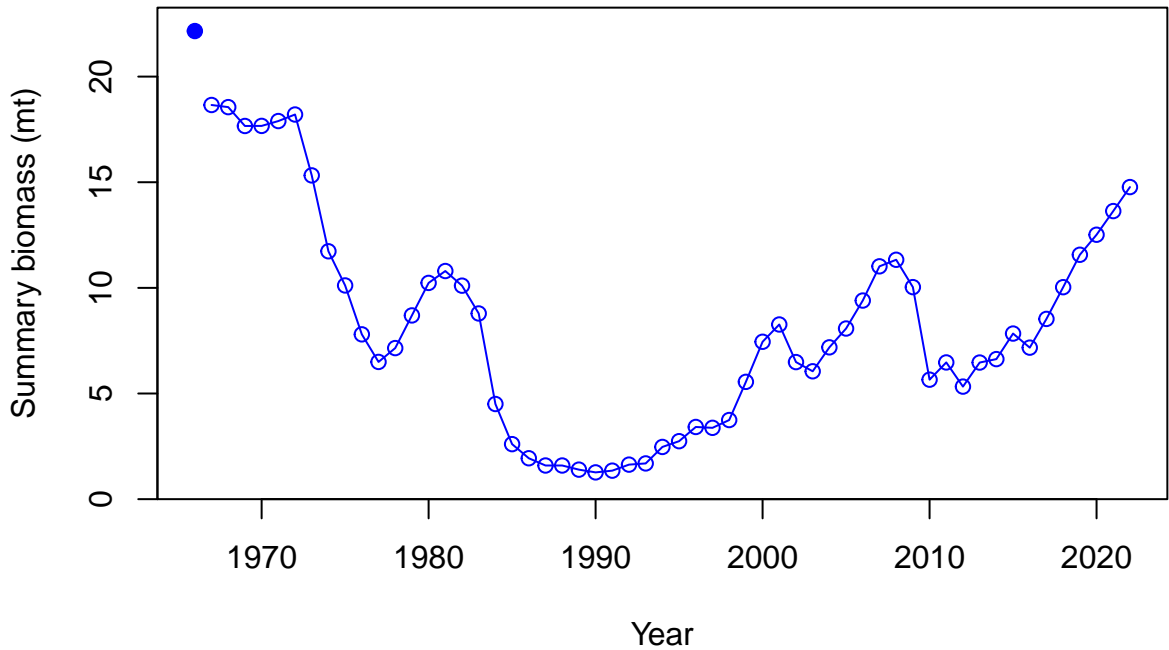
Relative spawning biomass: B/B_{MSY}



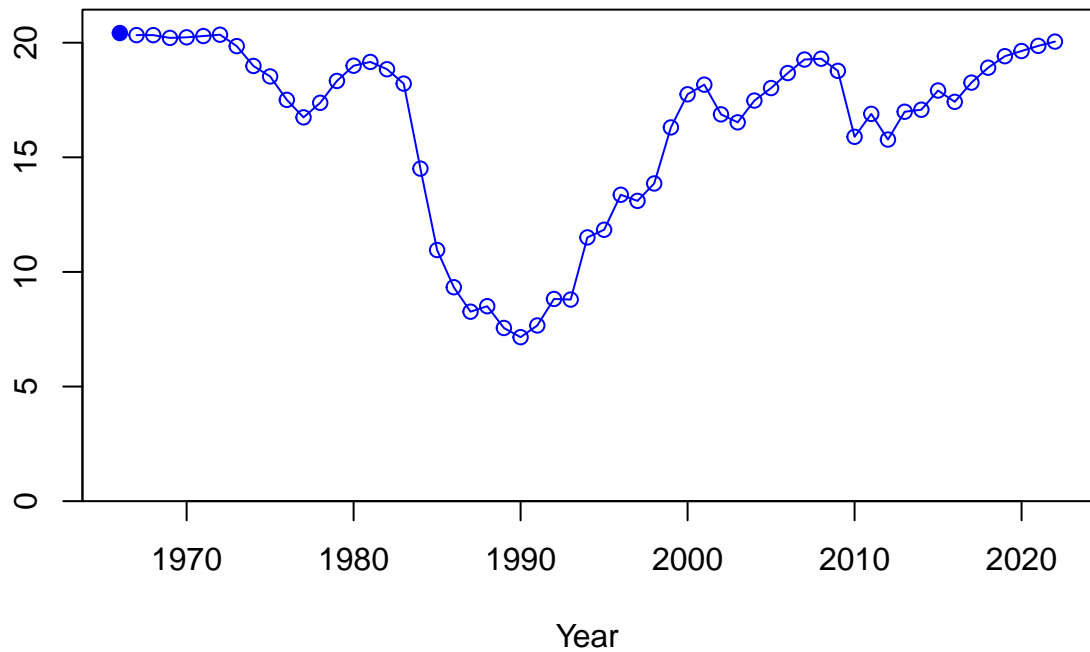
Relative spawning biomass: B/B_{MSY}



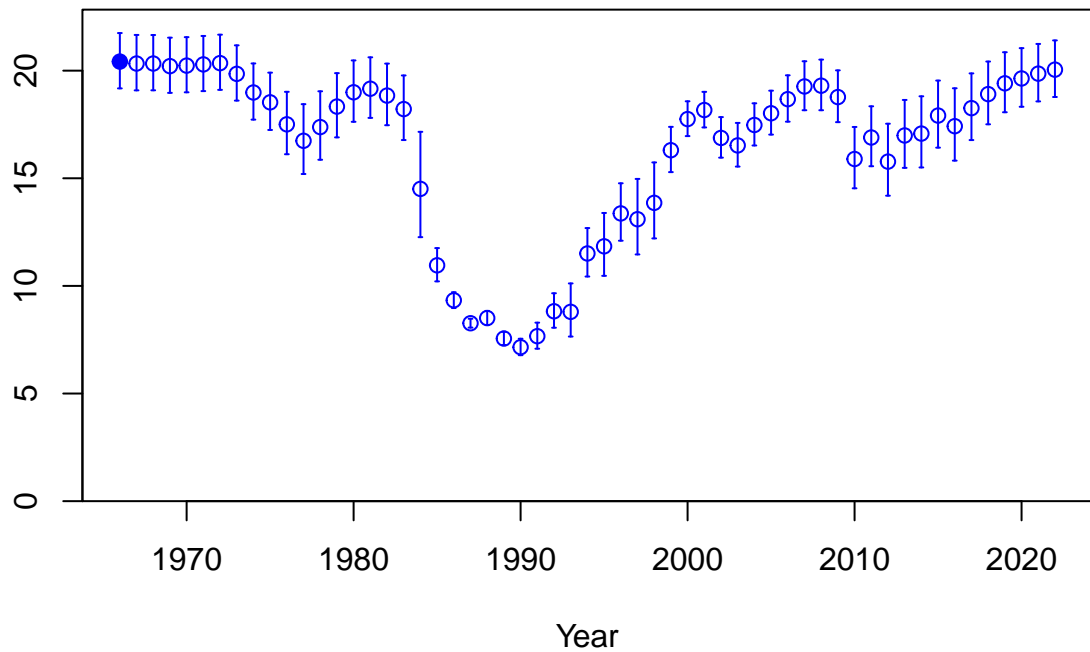




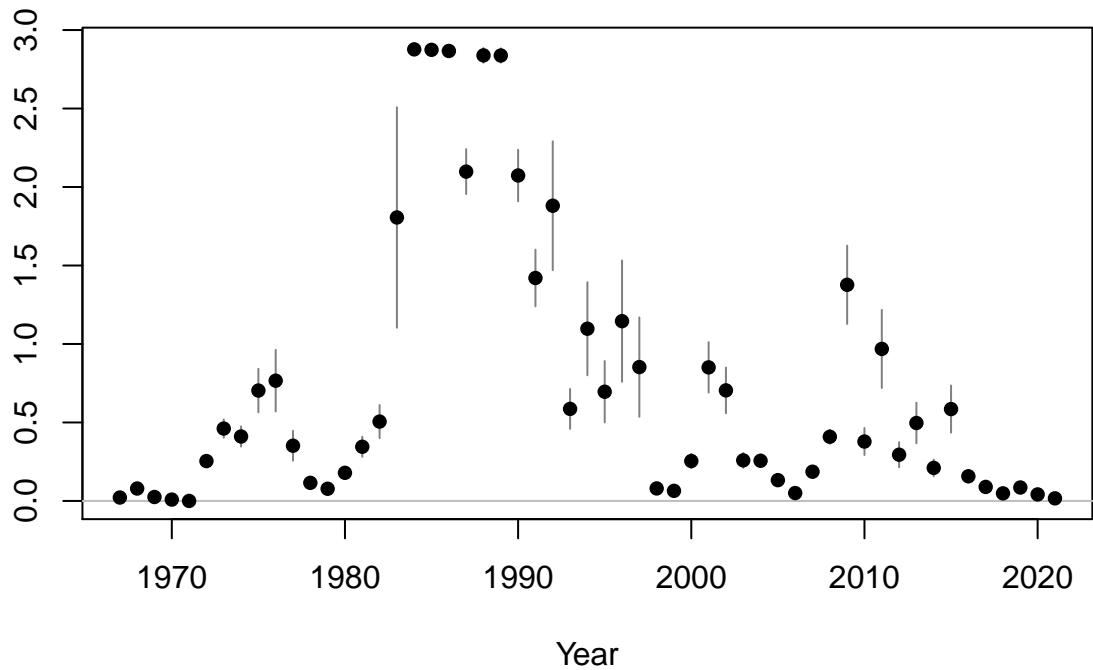
Age-0 recruits (1,000s)

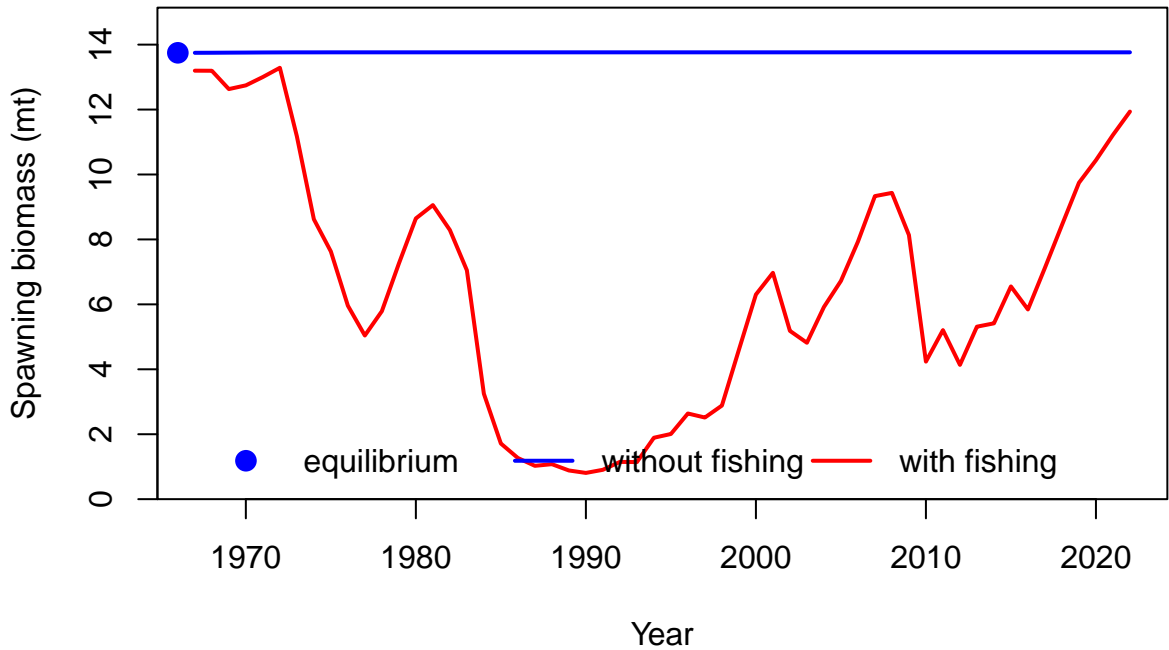


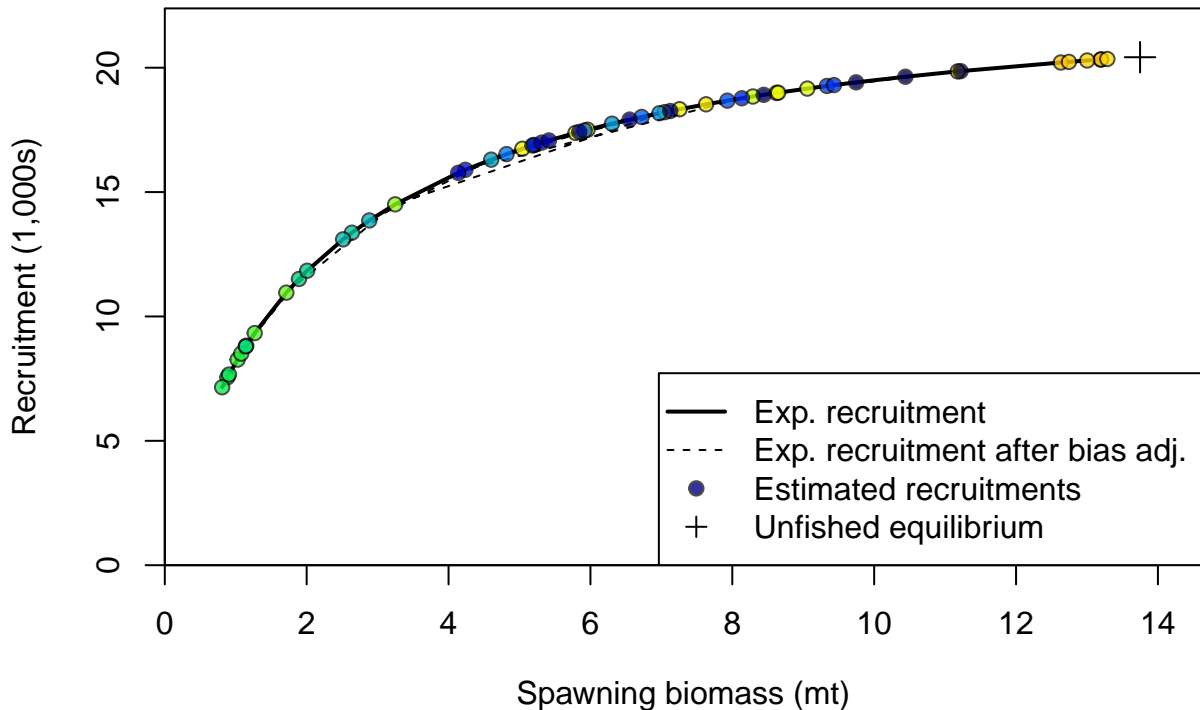
Age-0 recruits (1,000s)

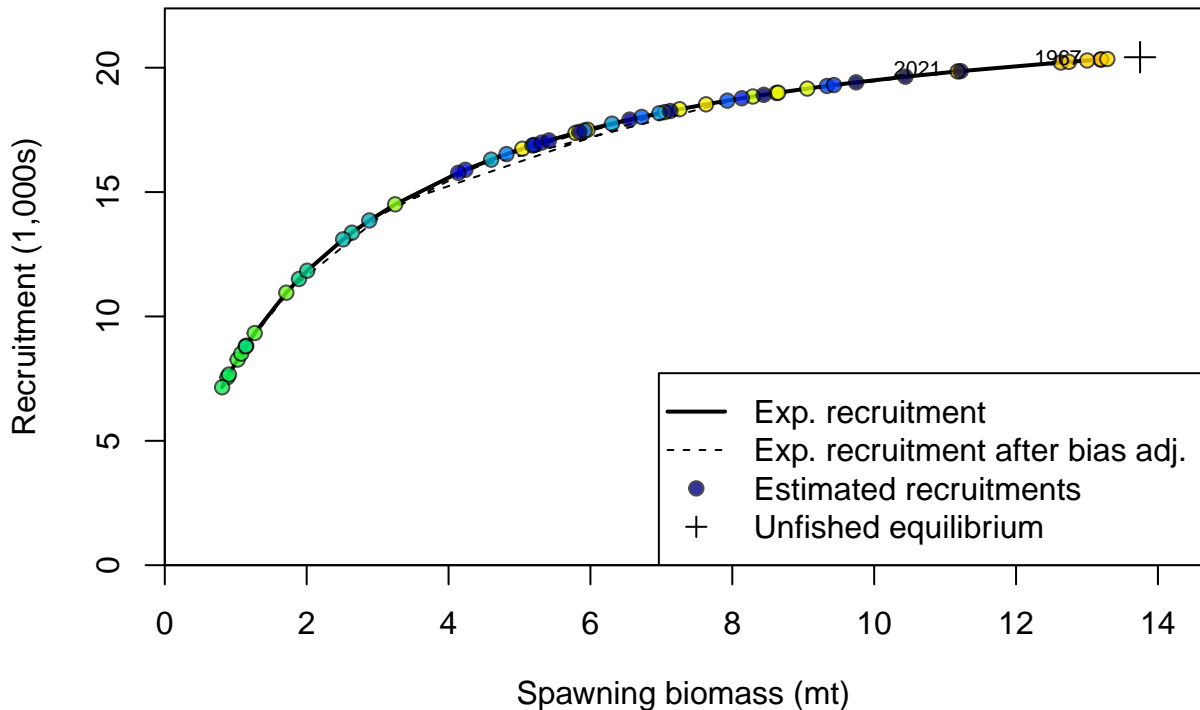


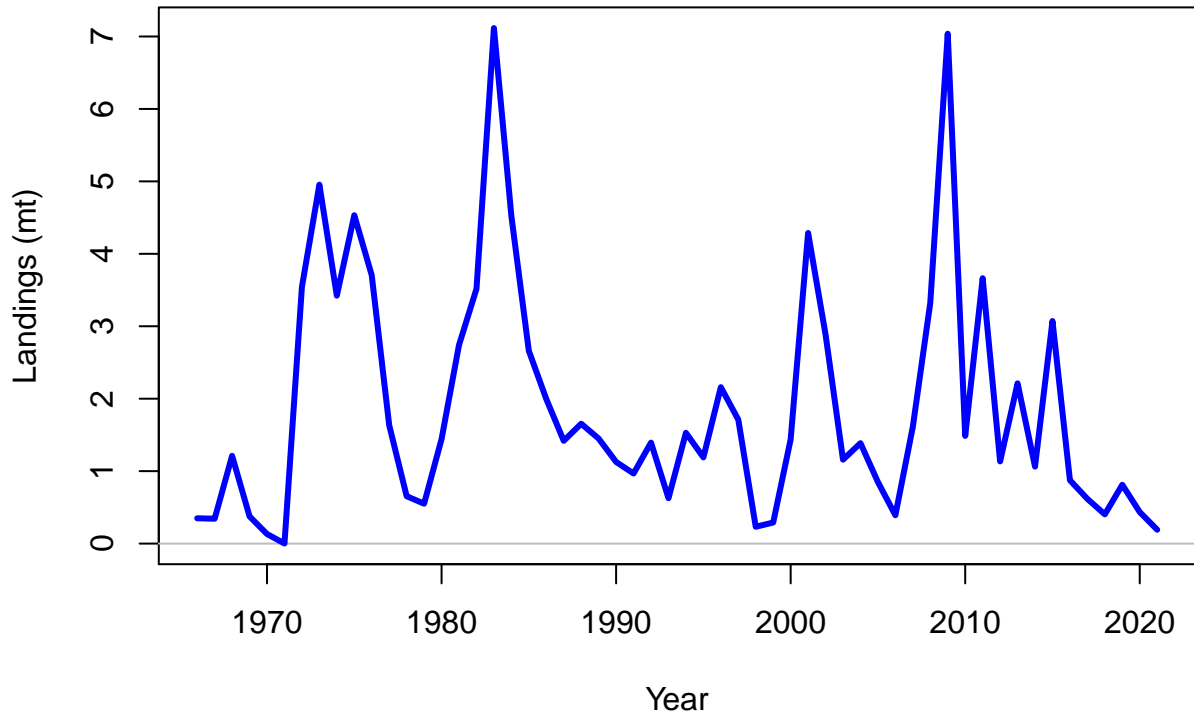
Summary Fishing Mortality

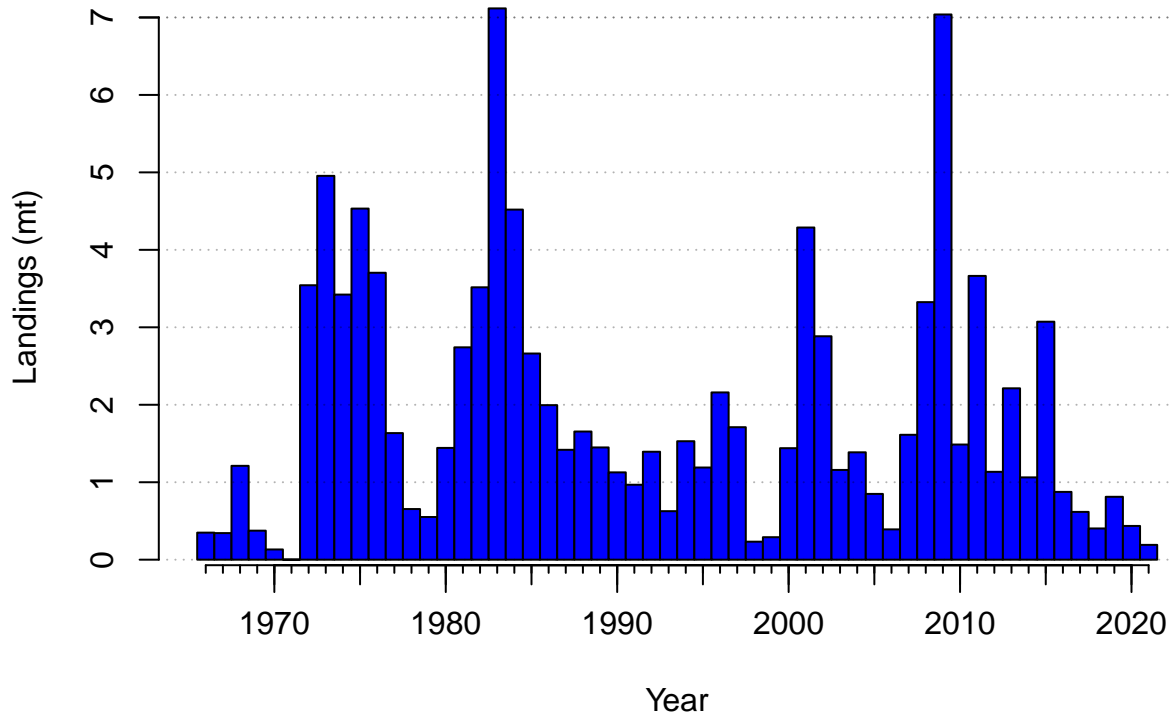




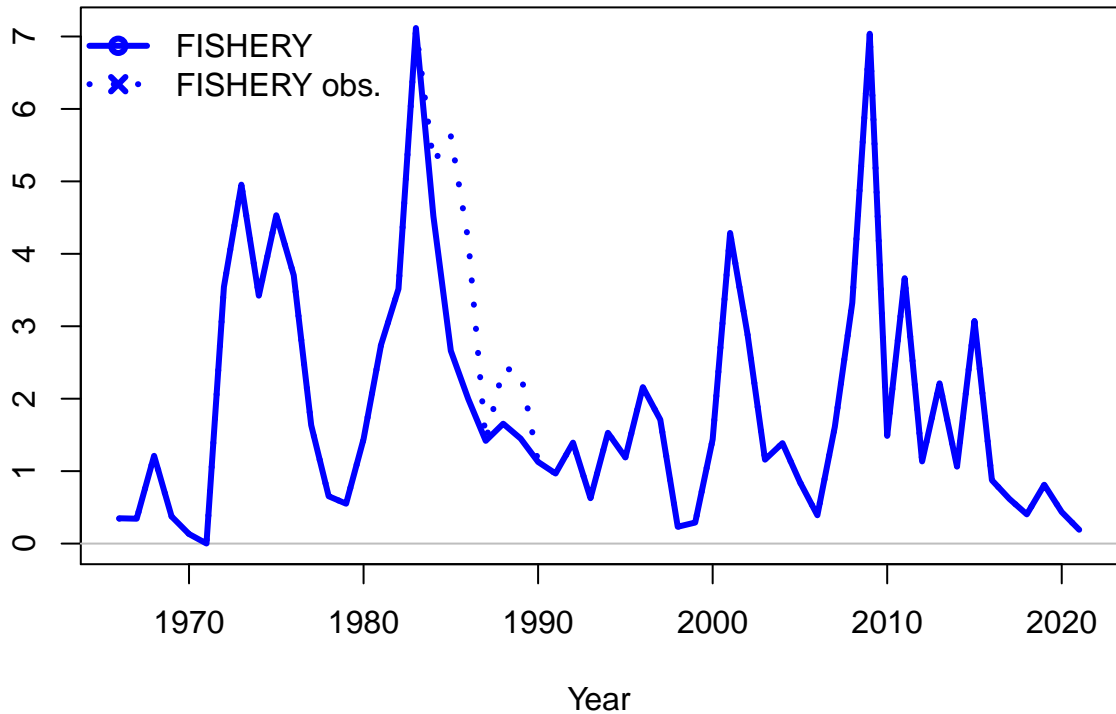


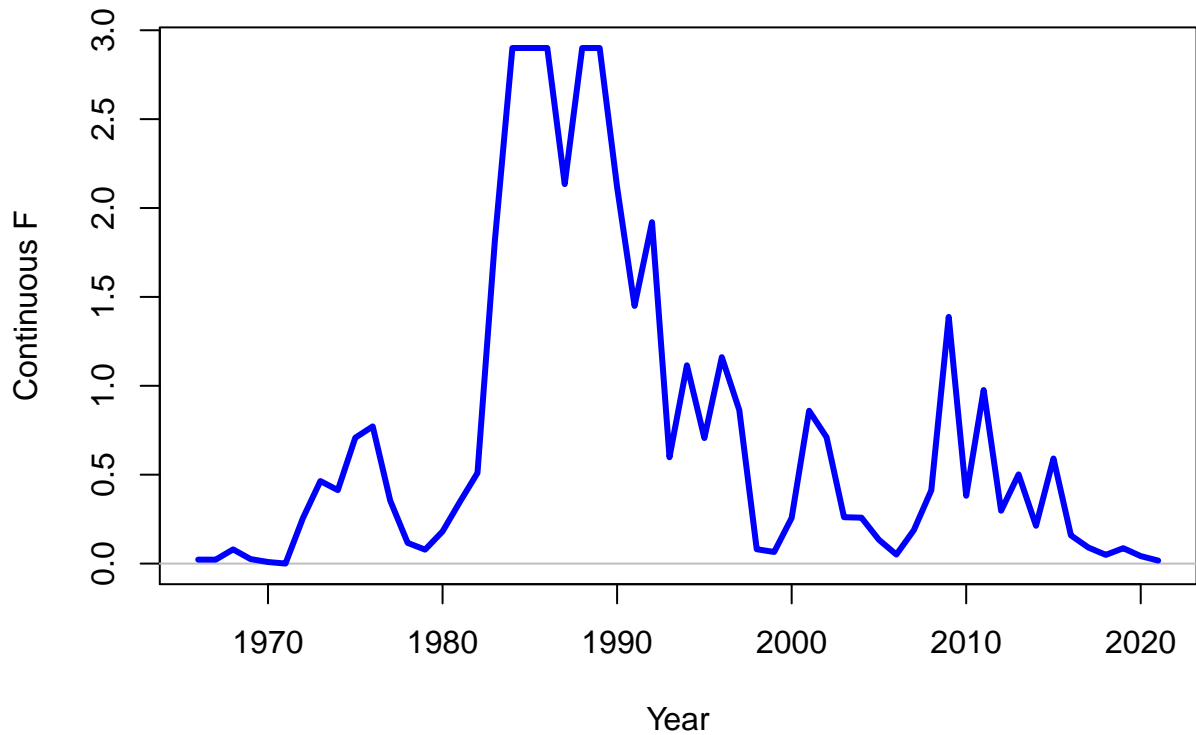




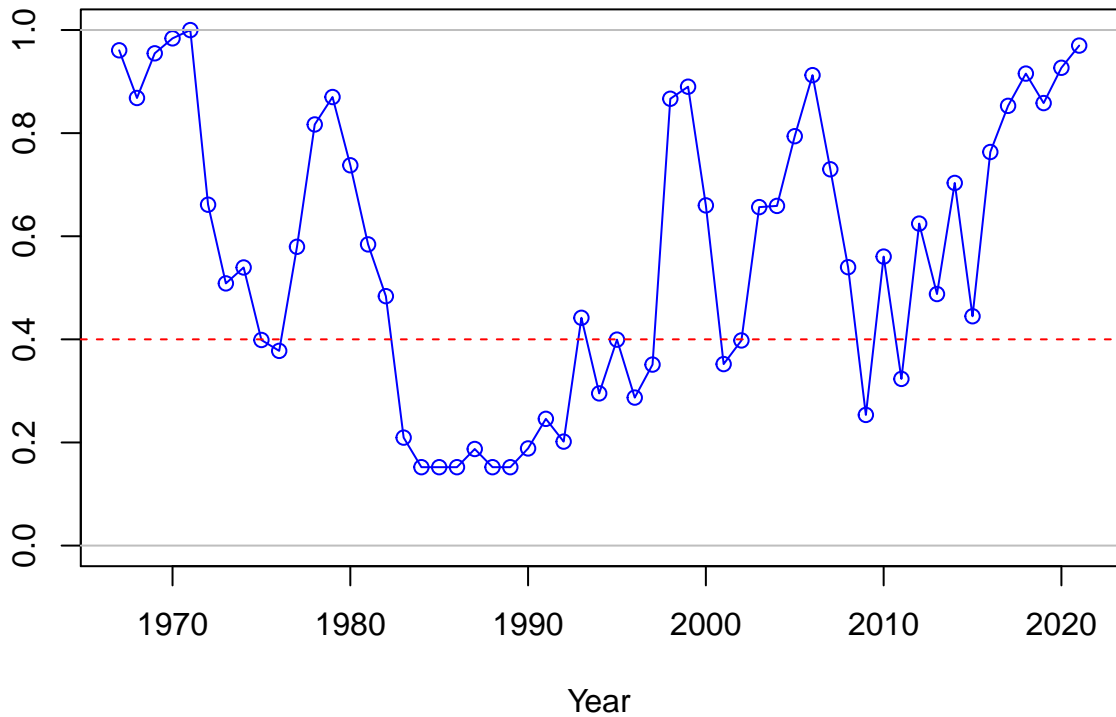


Observed and expected Landings (mt)

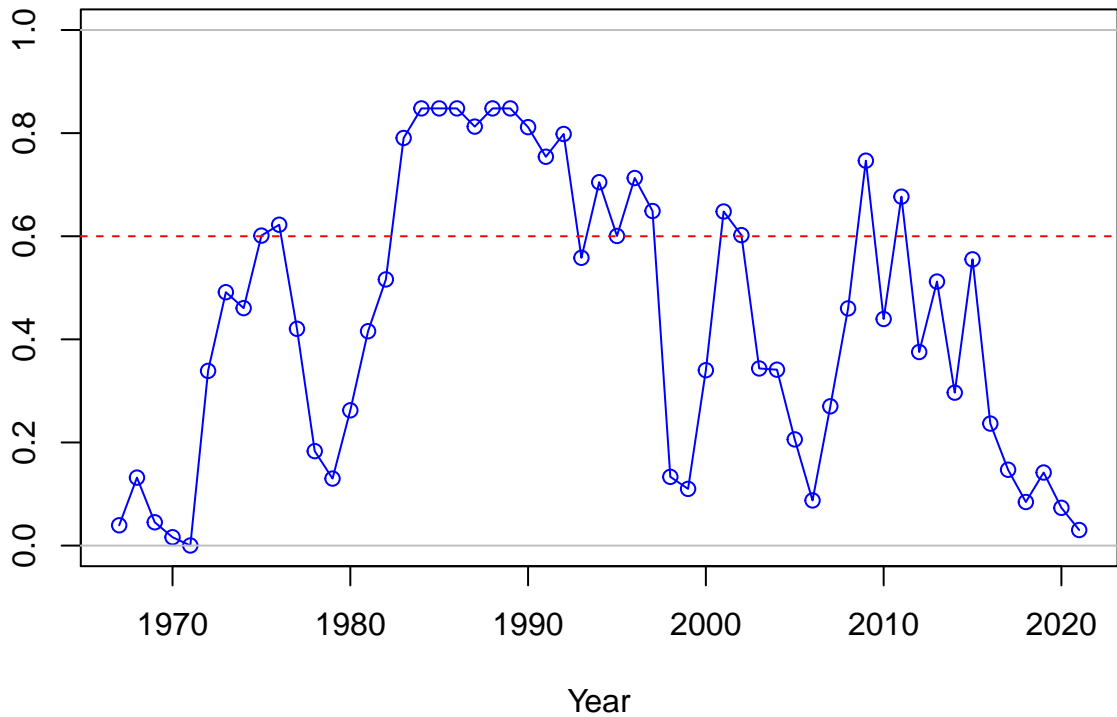




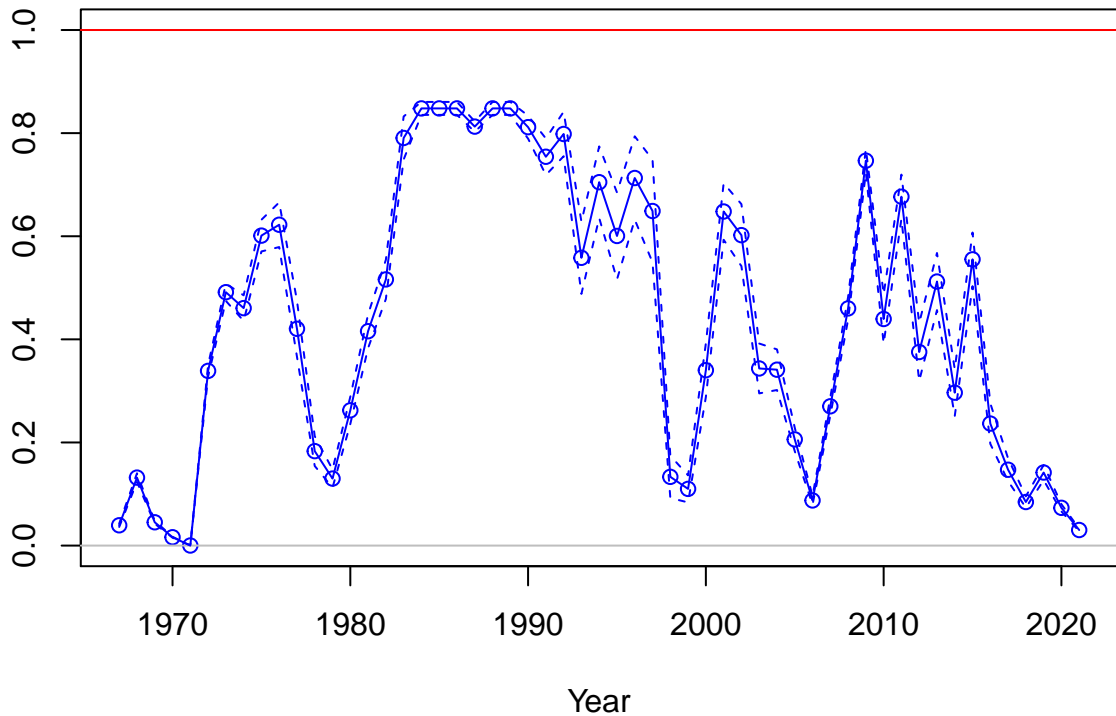
SPR



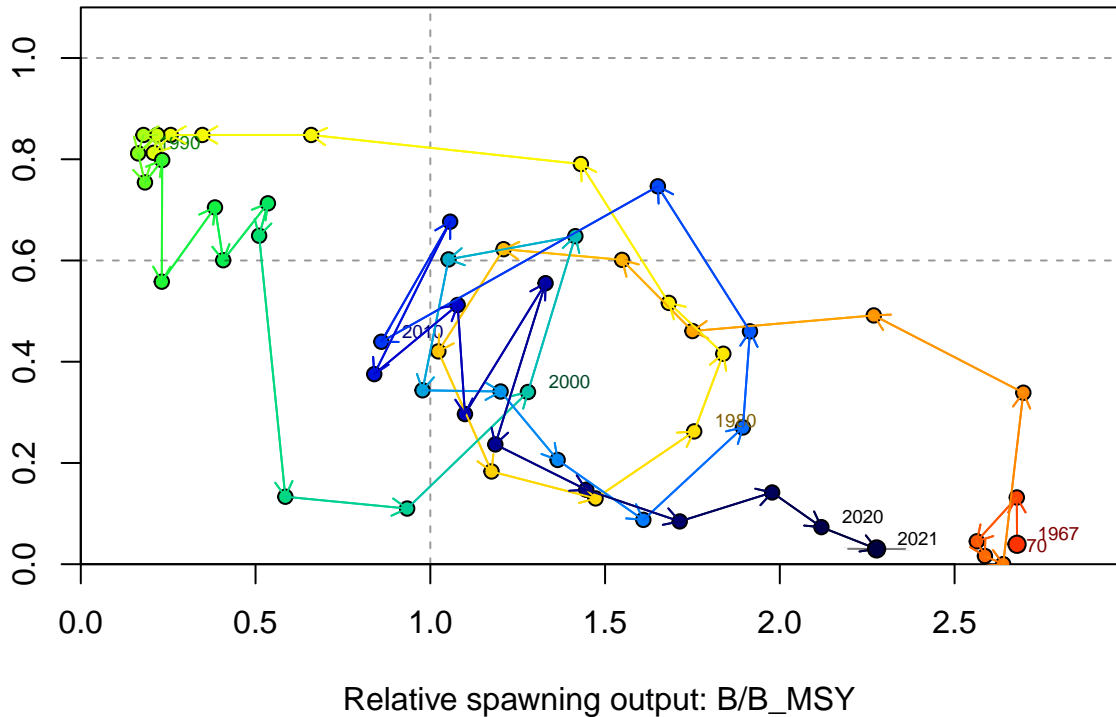
1-SPR



Fishing intensity: 1-SPR



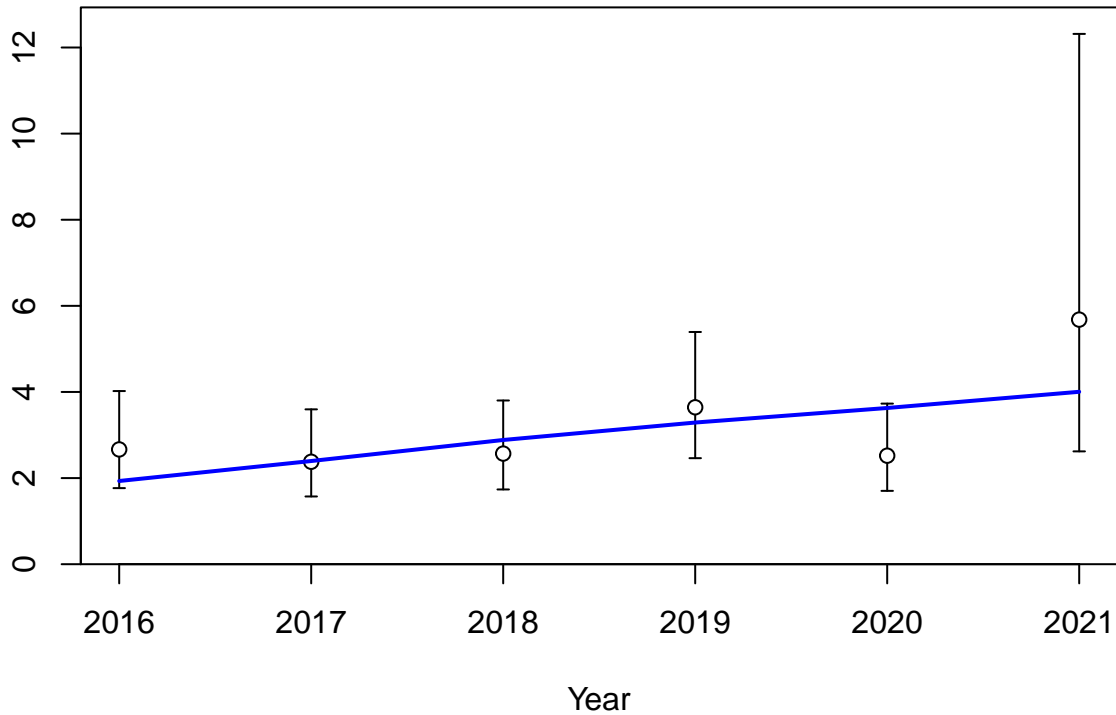
Fishing intensity: 1-SPR

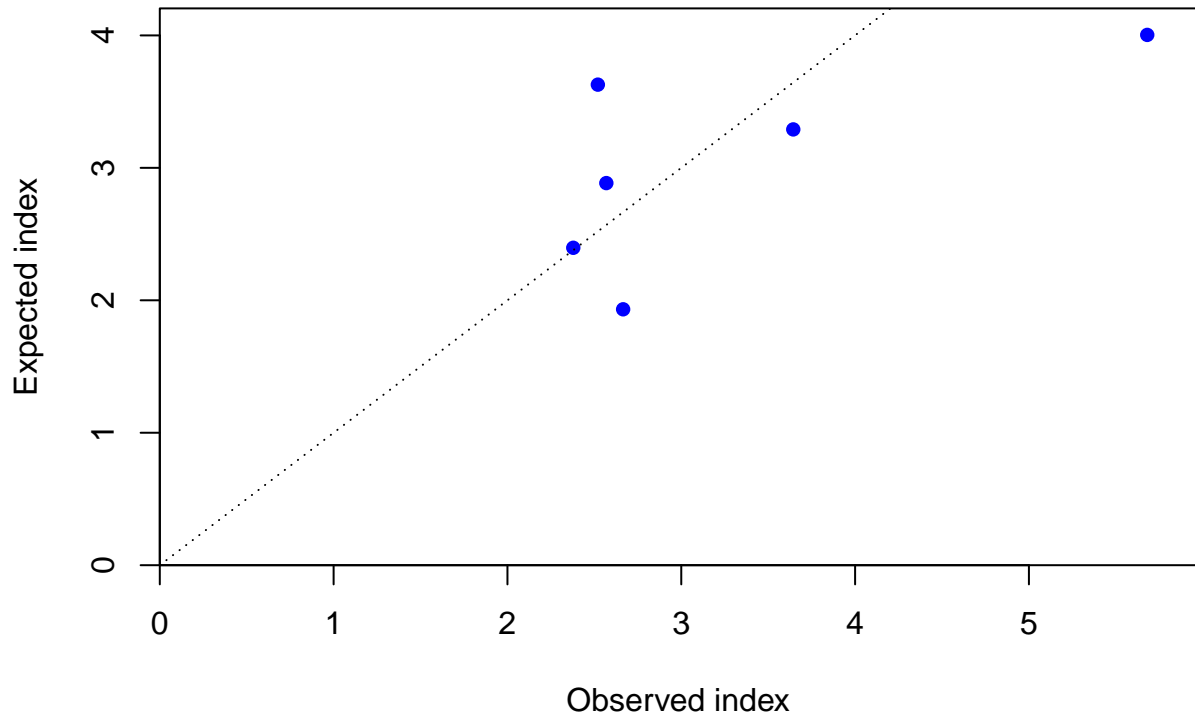


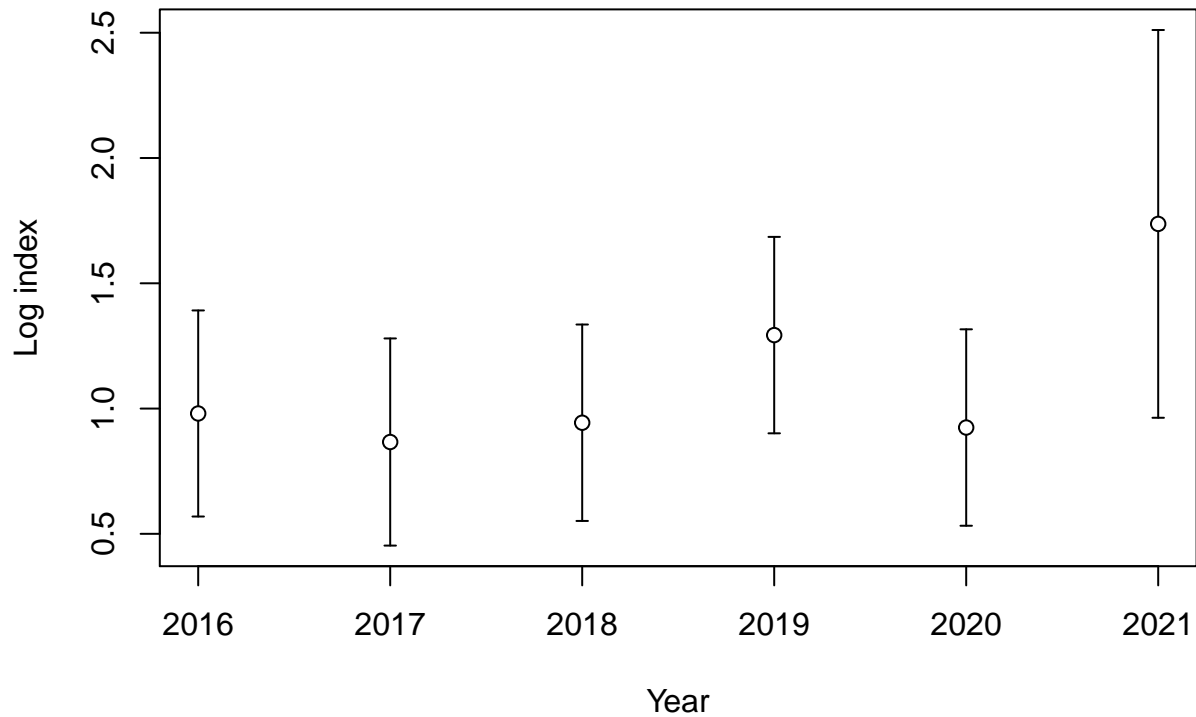
Index

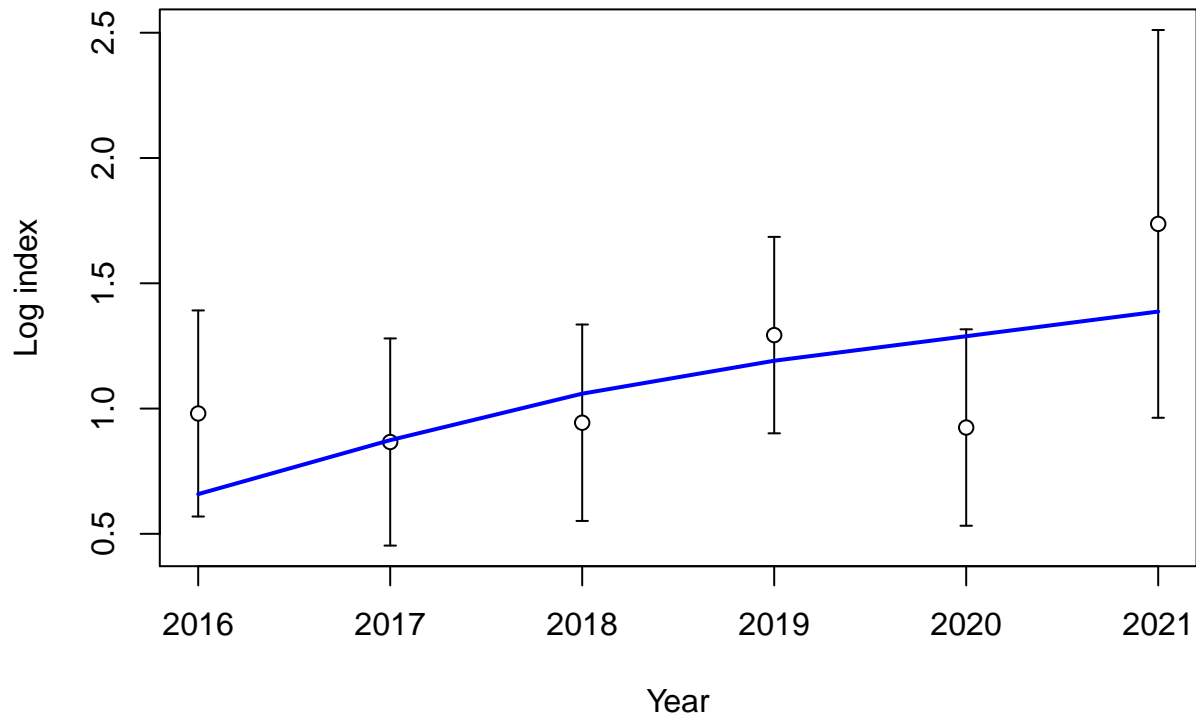


Index









Log expected index

1.4
1.2
1.0
0.8

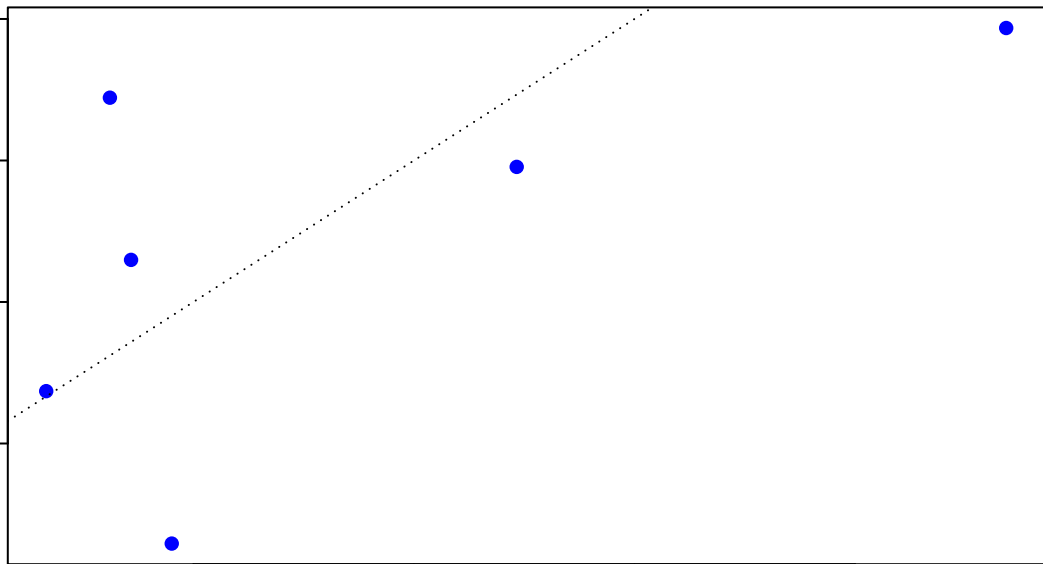
1.0

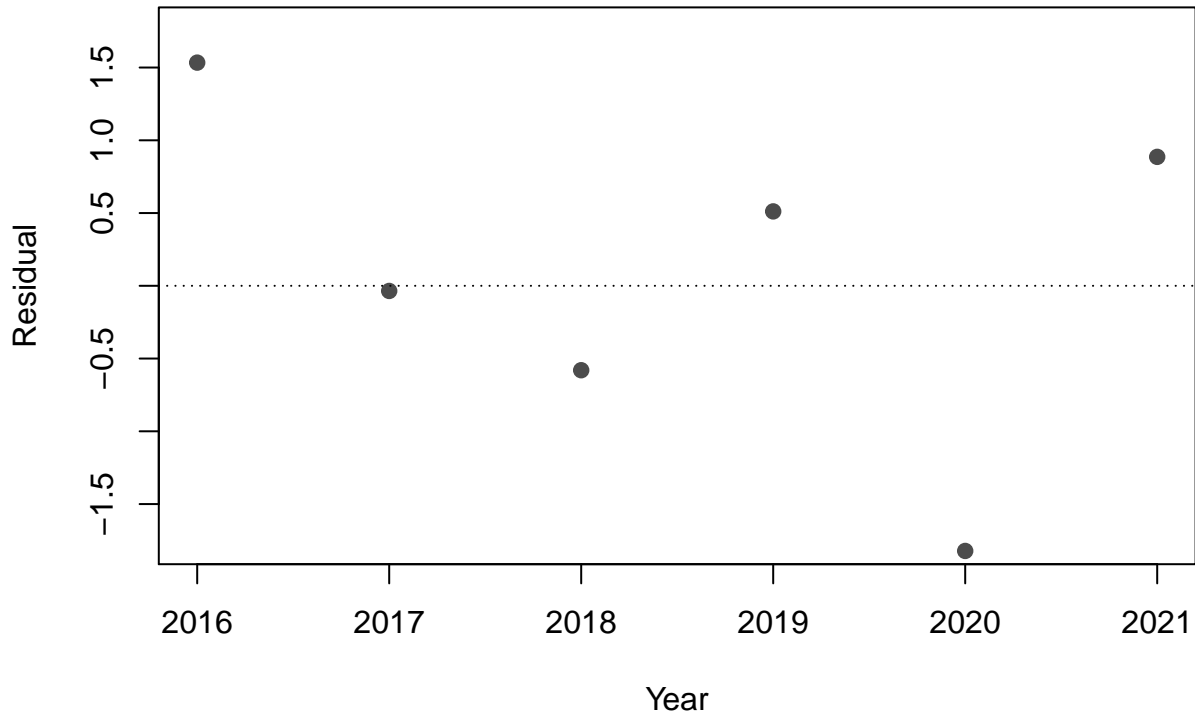
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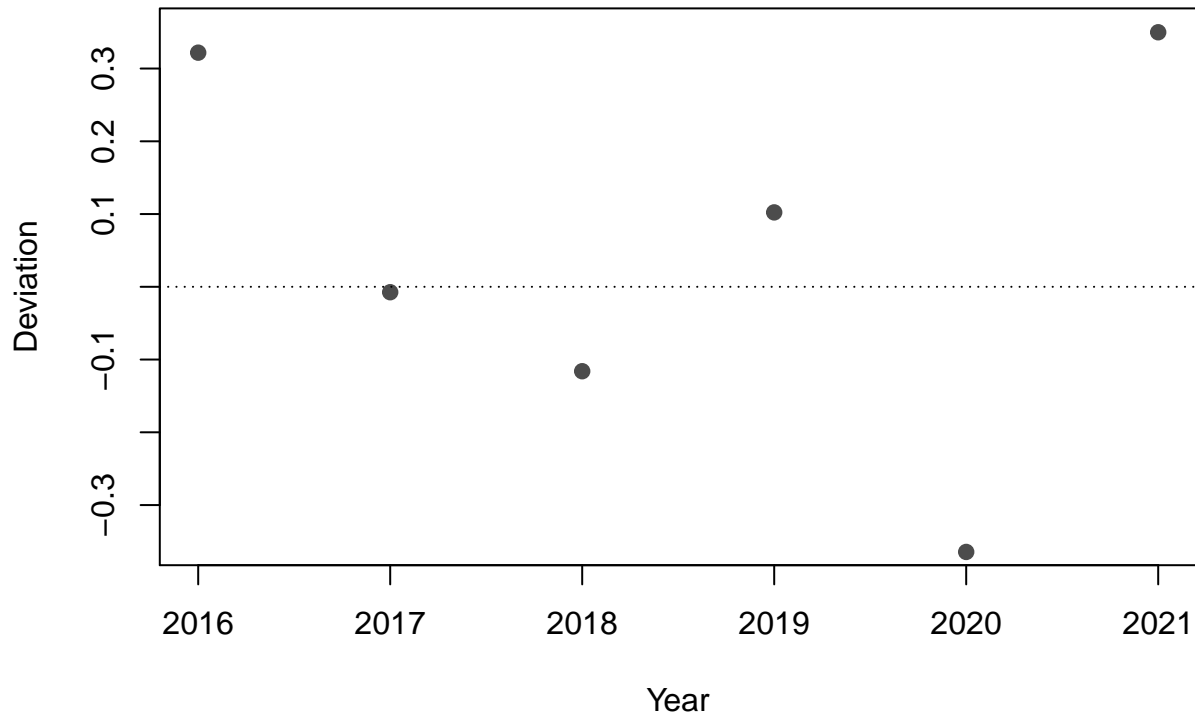
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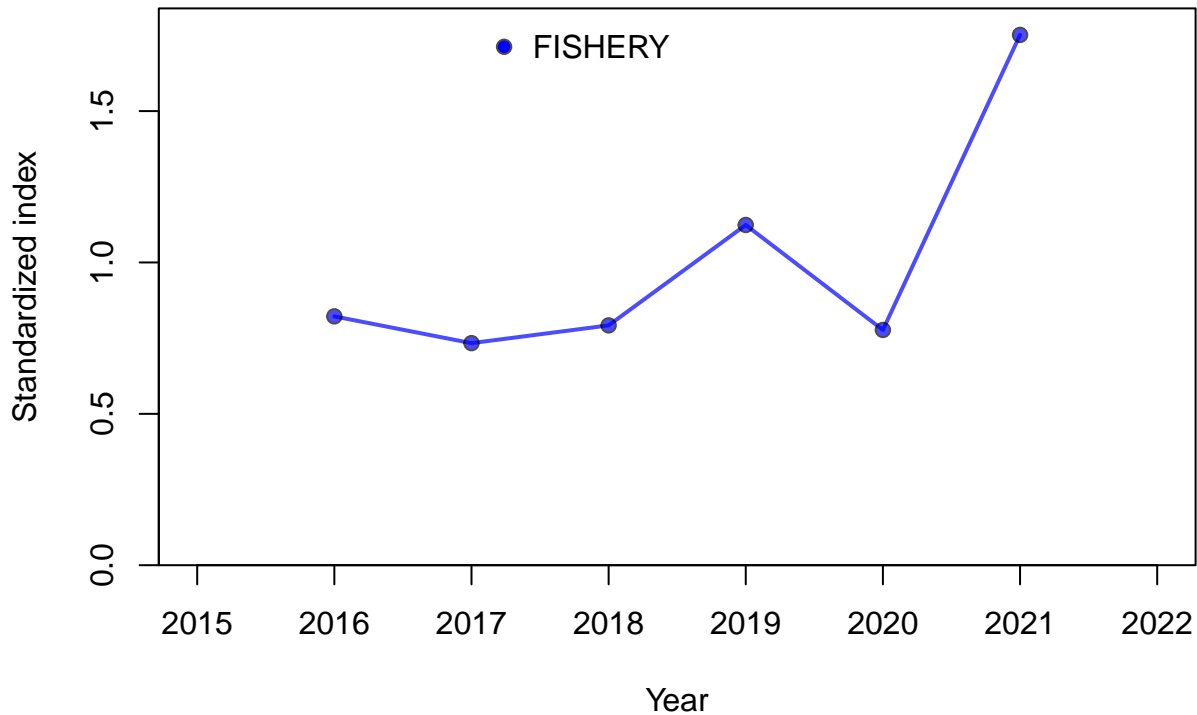
1.6

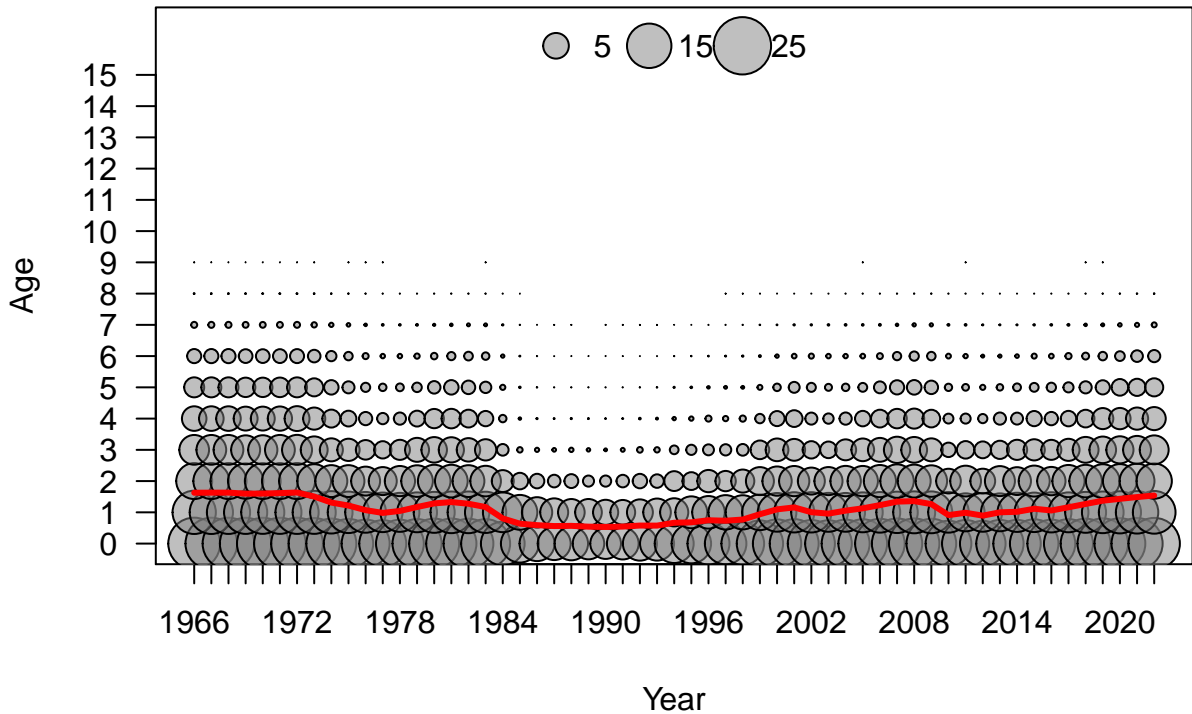
Log observed index

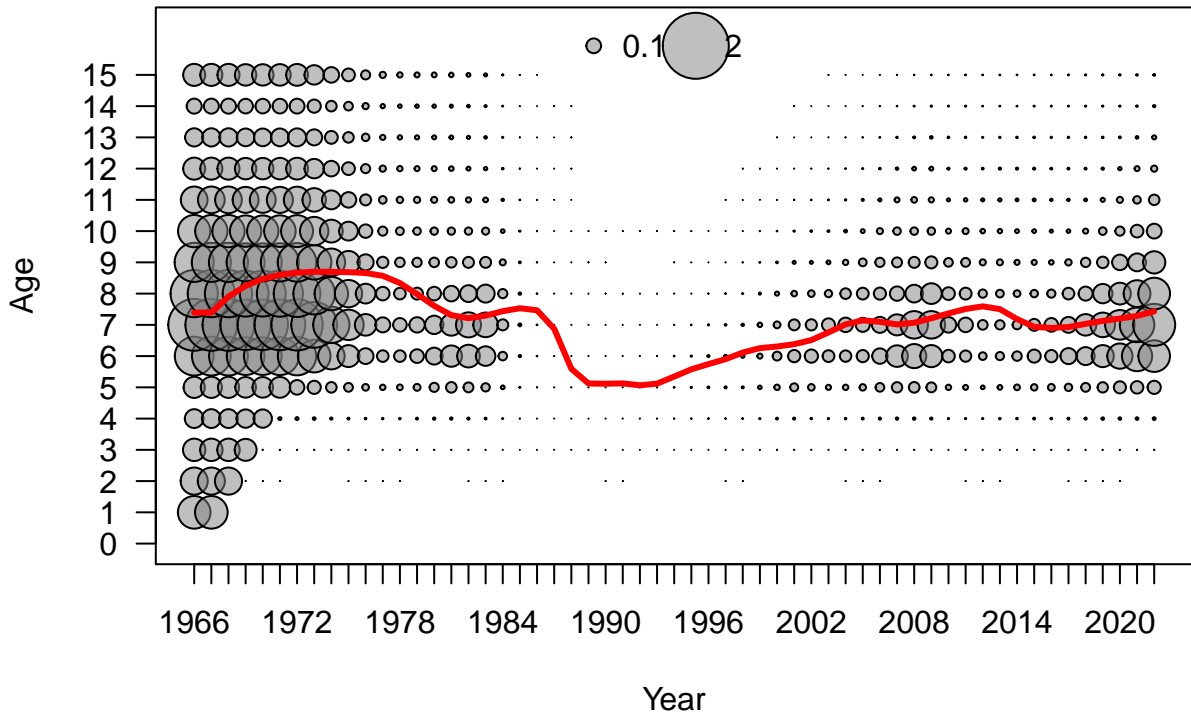


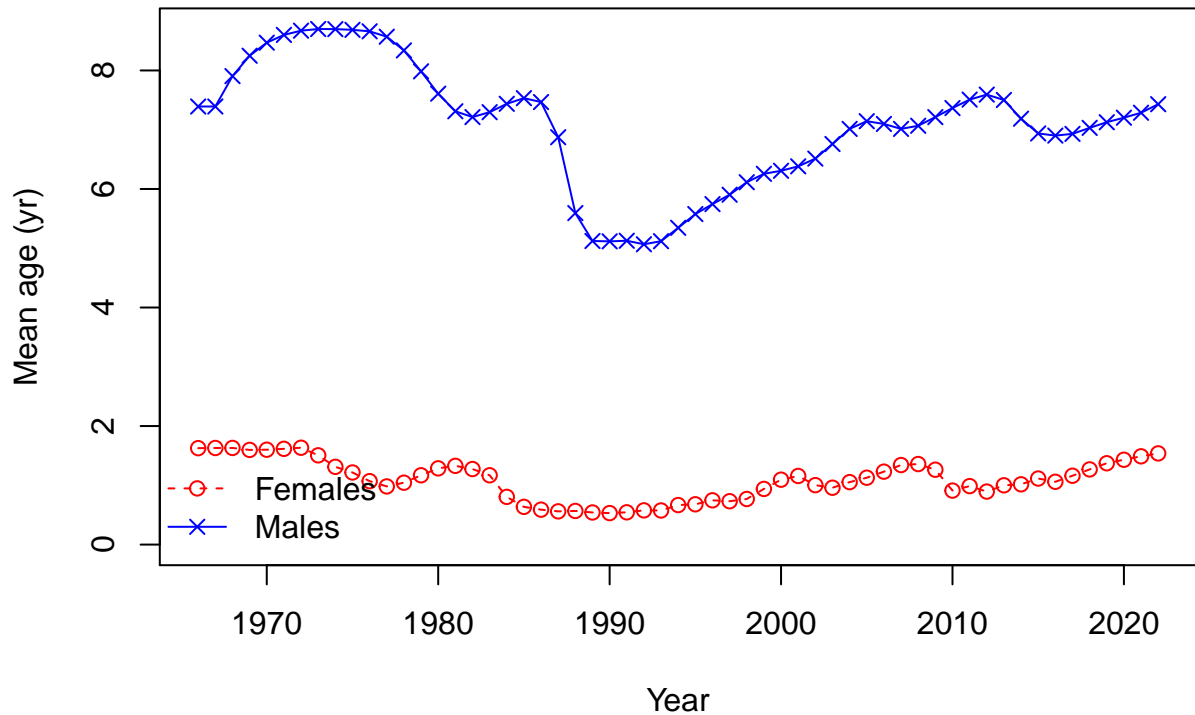


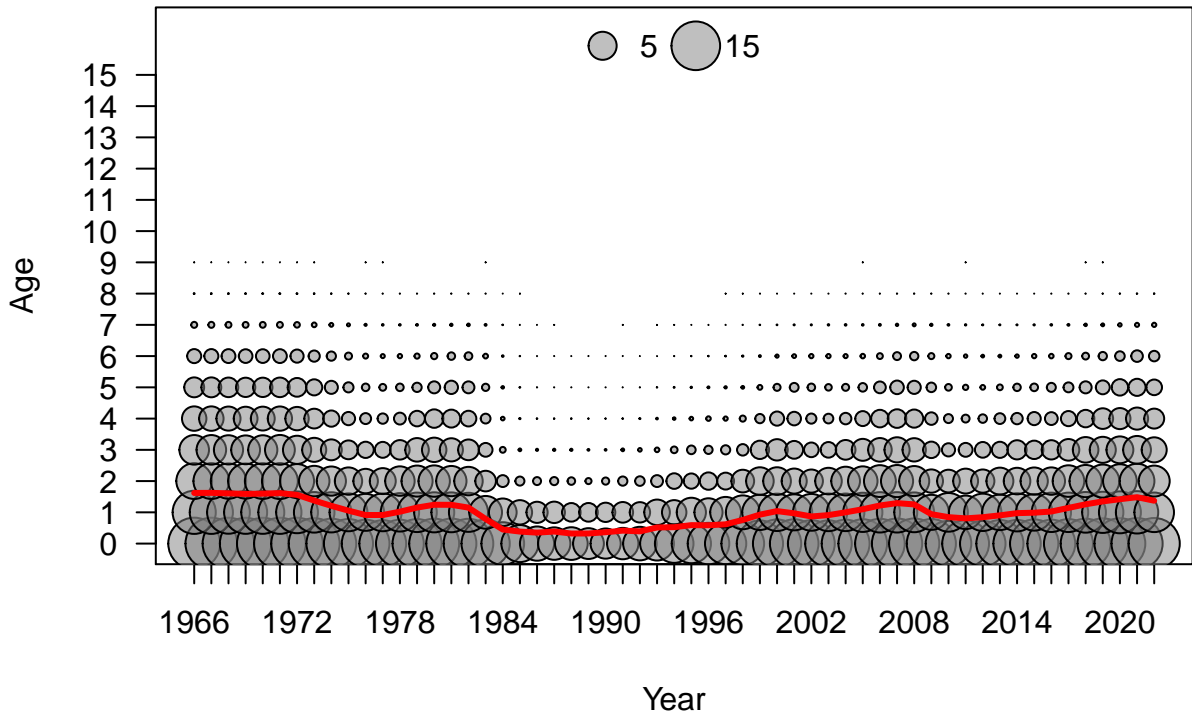


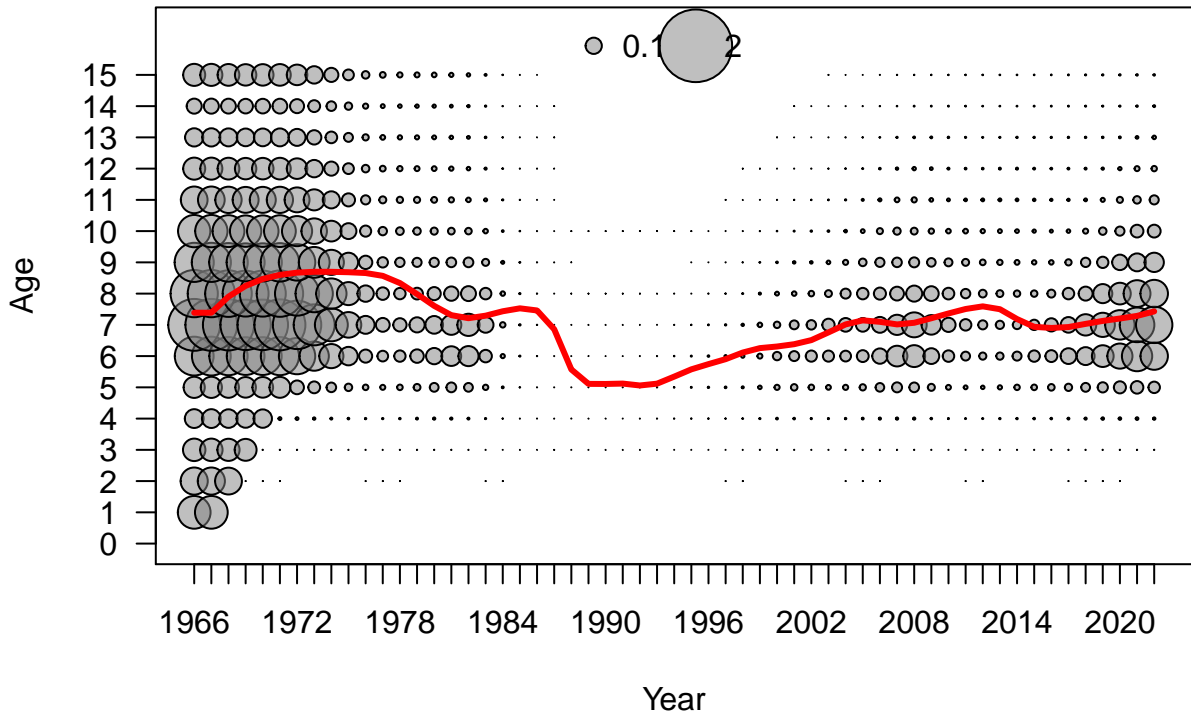


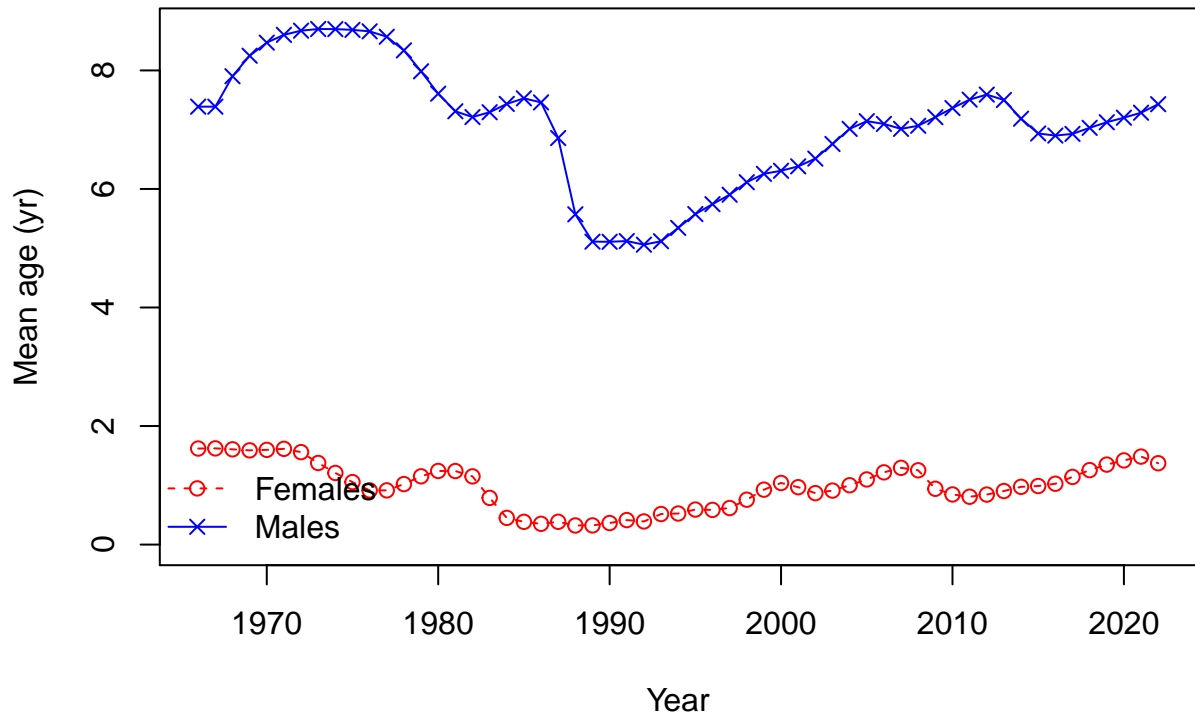












Age

14
12
10
8
6
4
2
0

1970

1980

1990

2000

2010

2020

Year

1

0.5

0.2

0.1

0.3

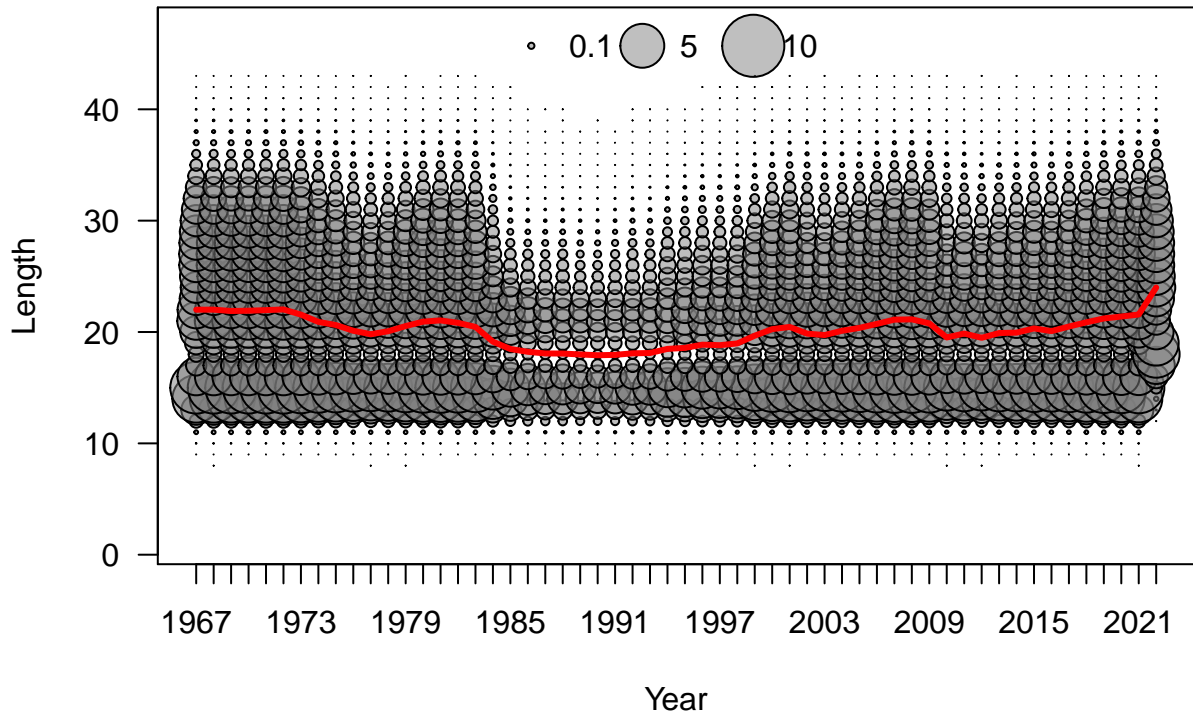
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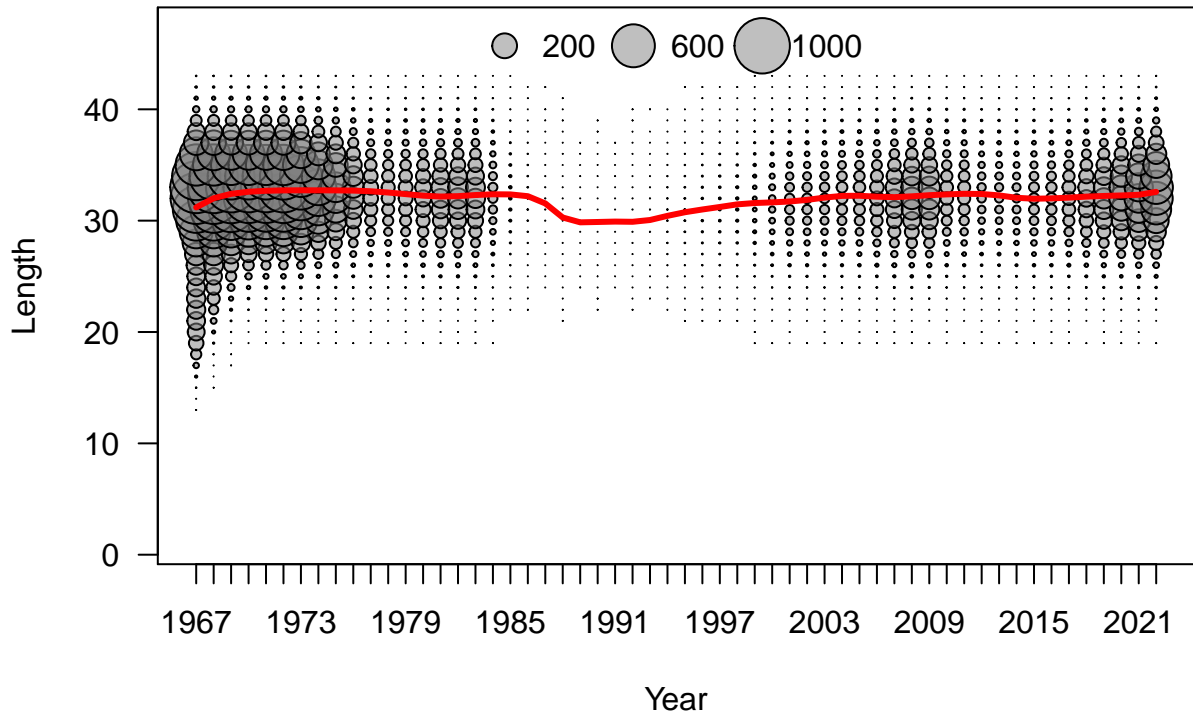
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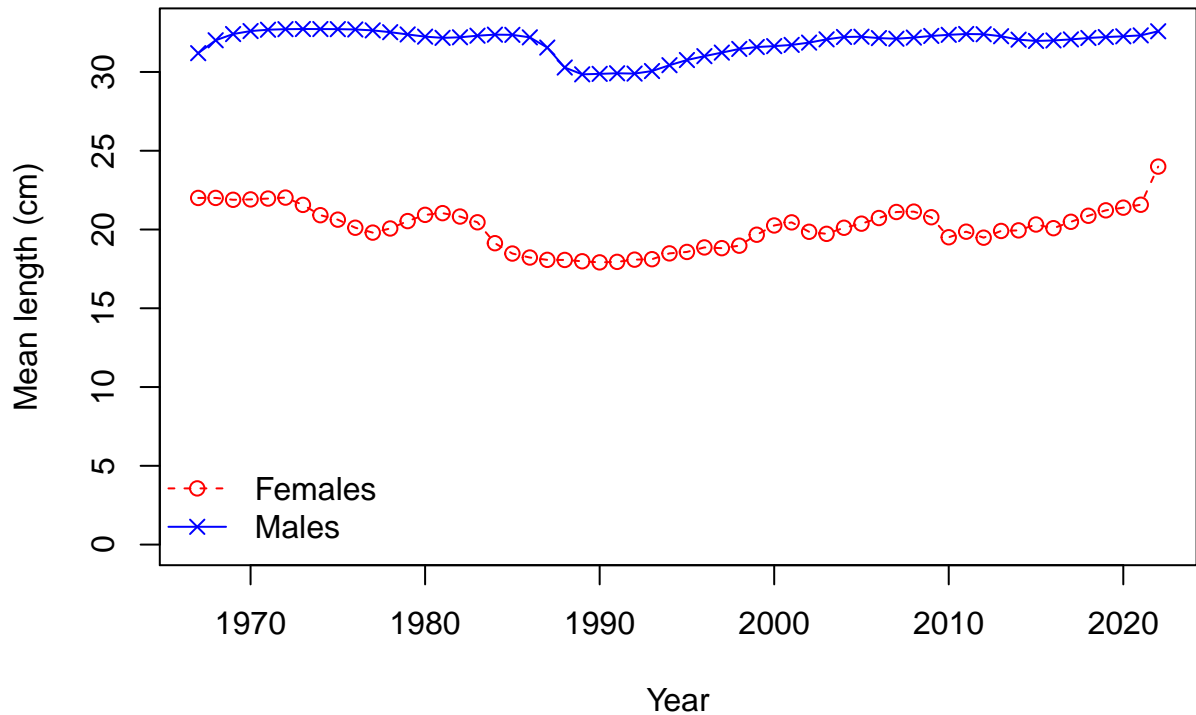
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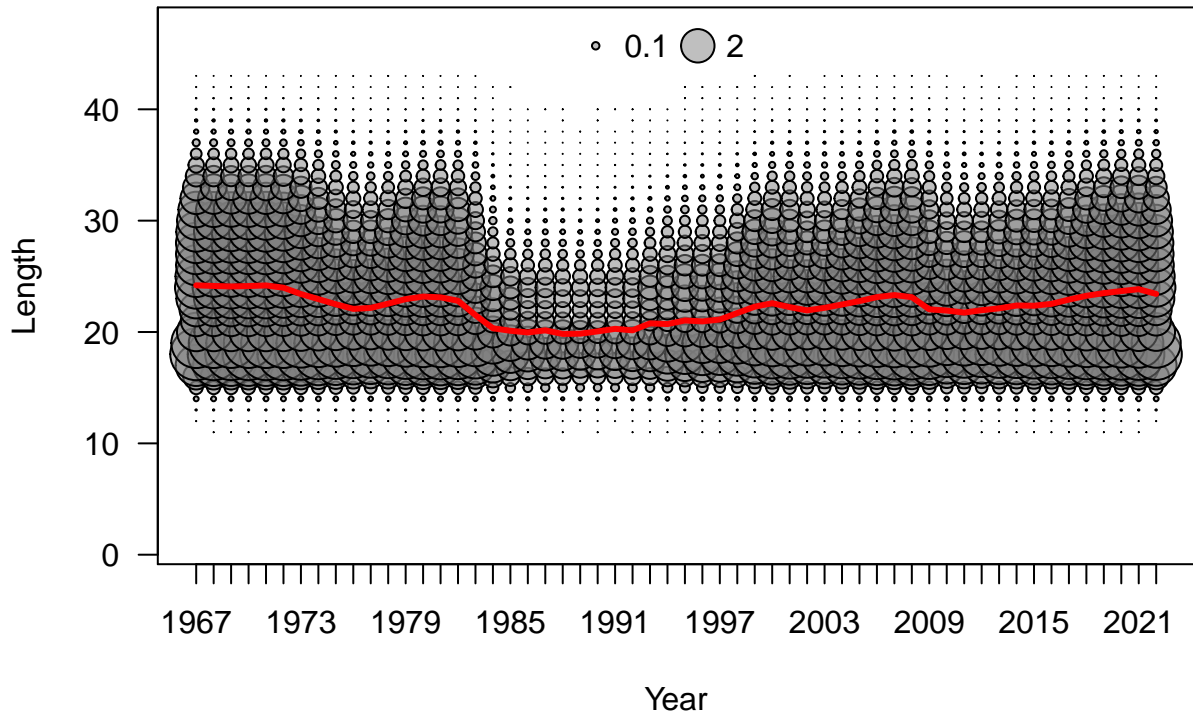
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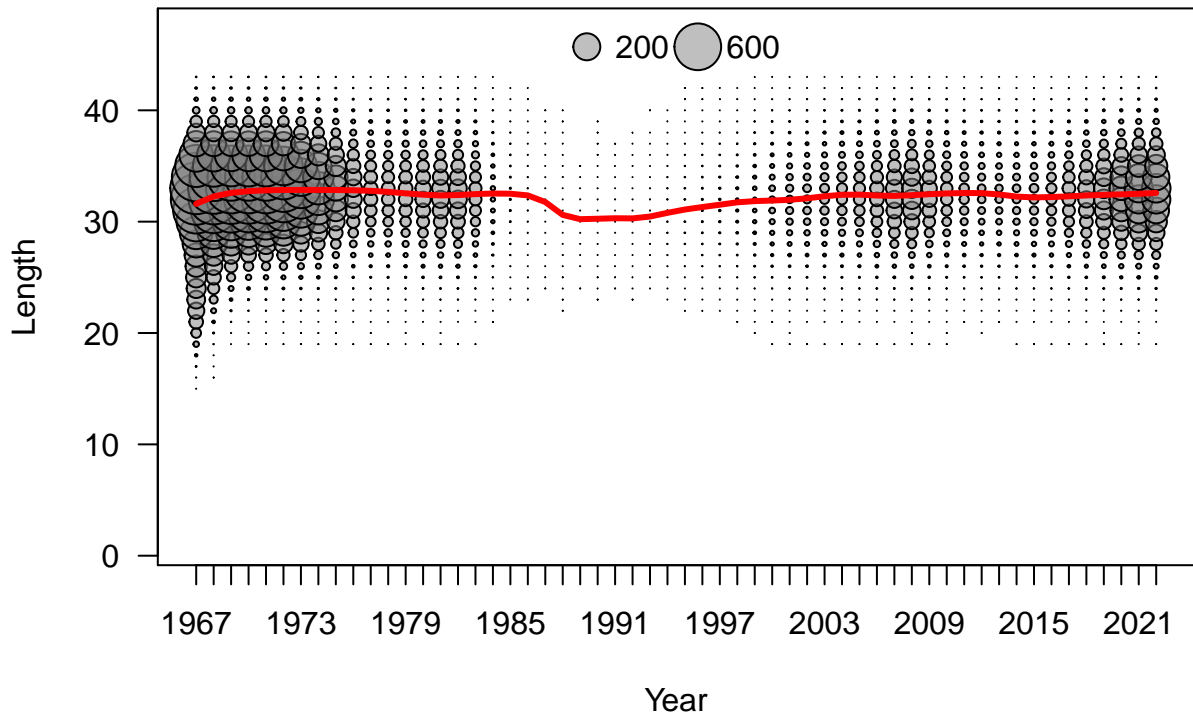
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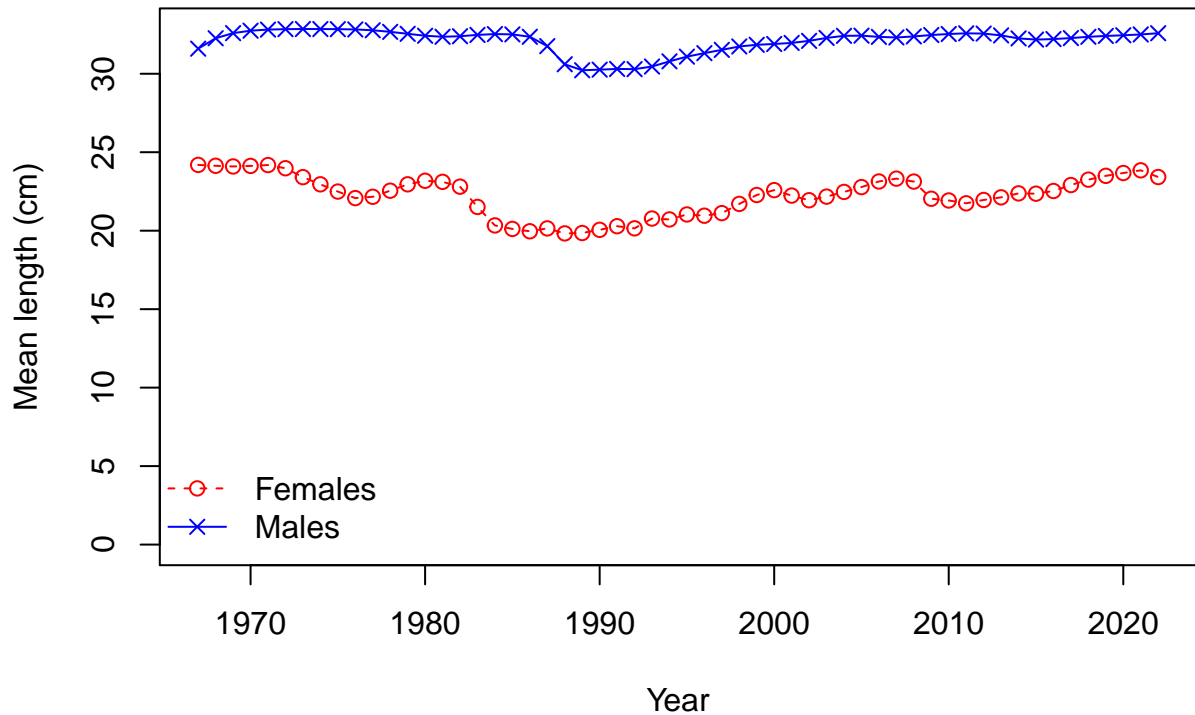




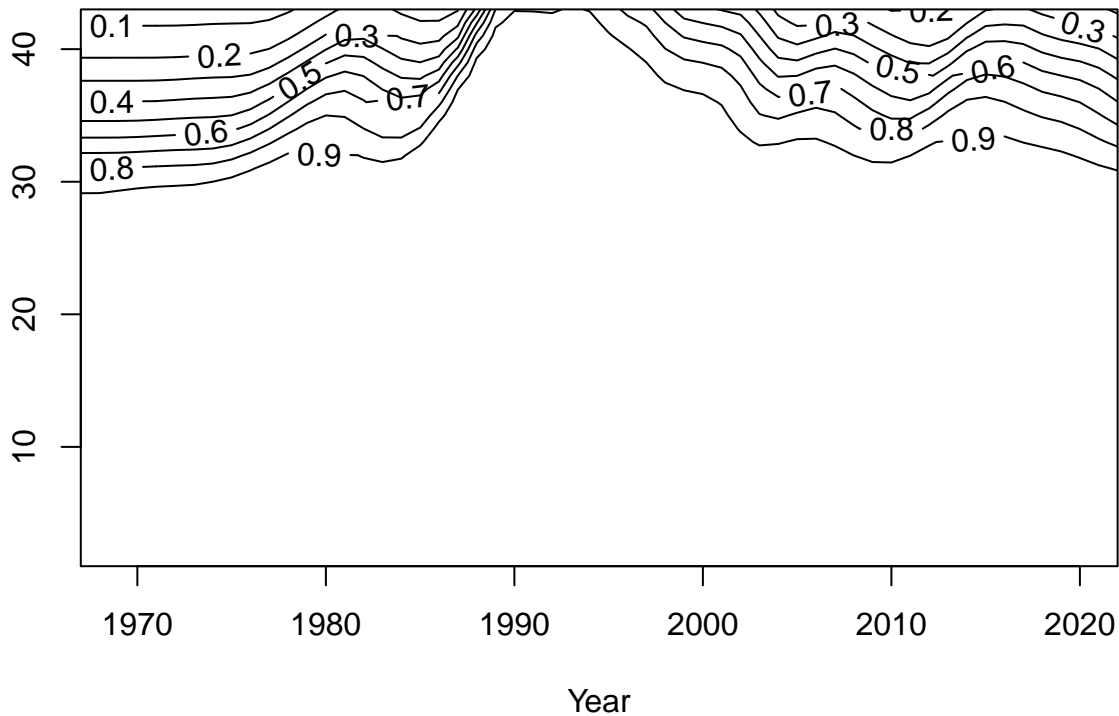


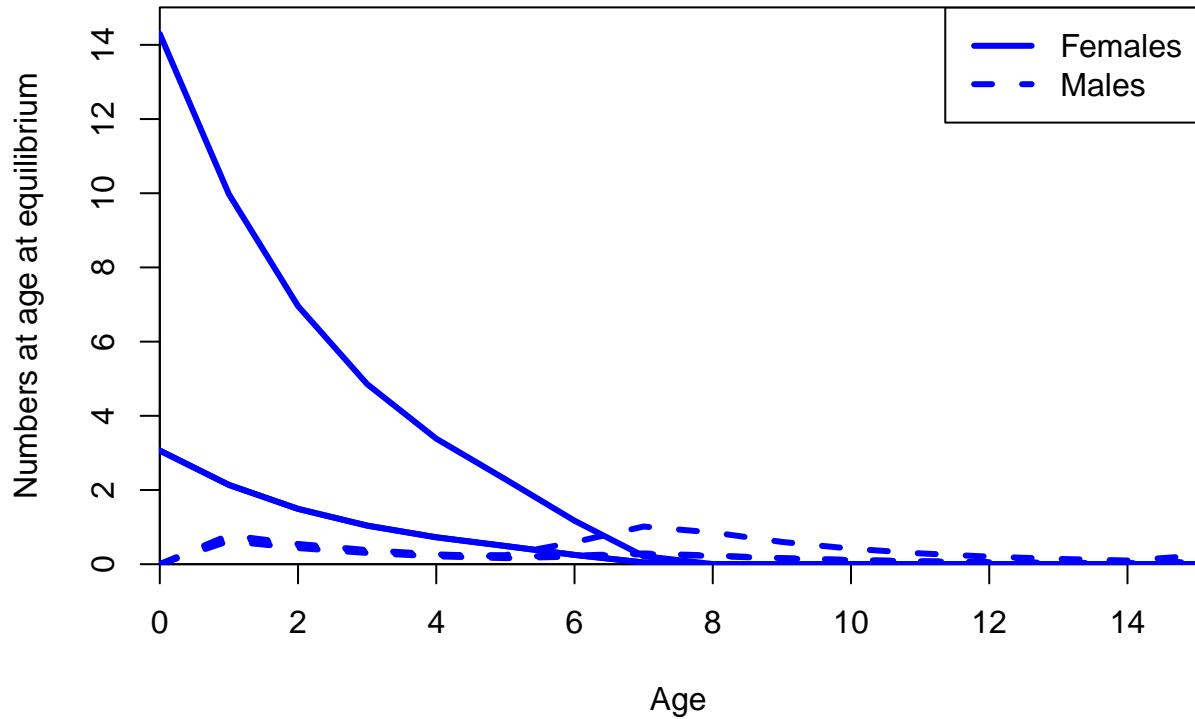






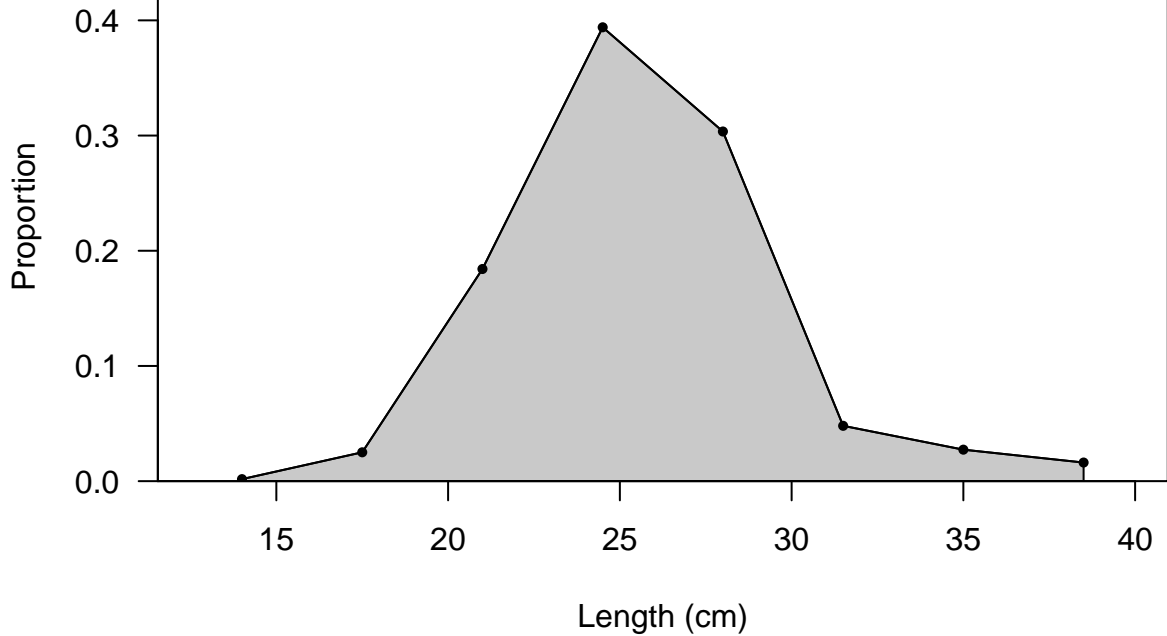
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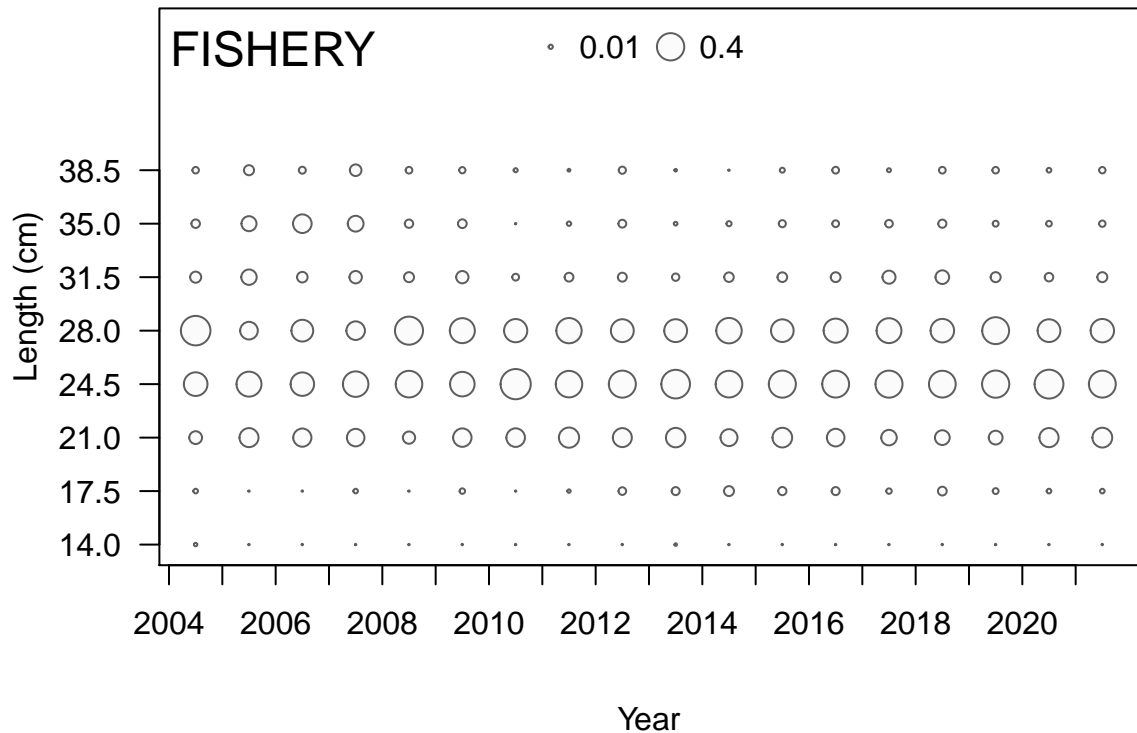




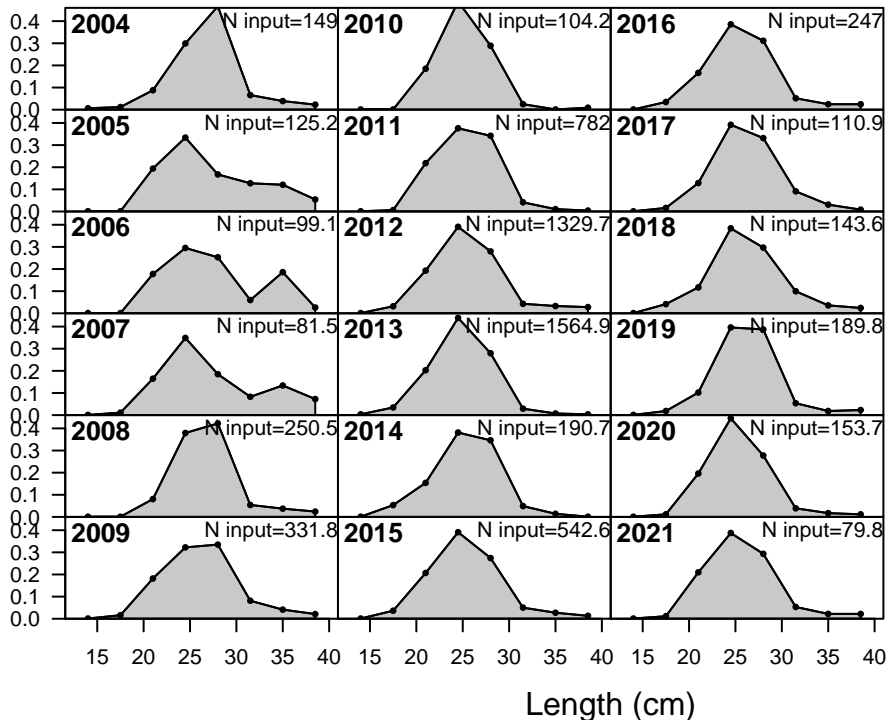
FISHERY

Sum of N input=6476



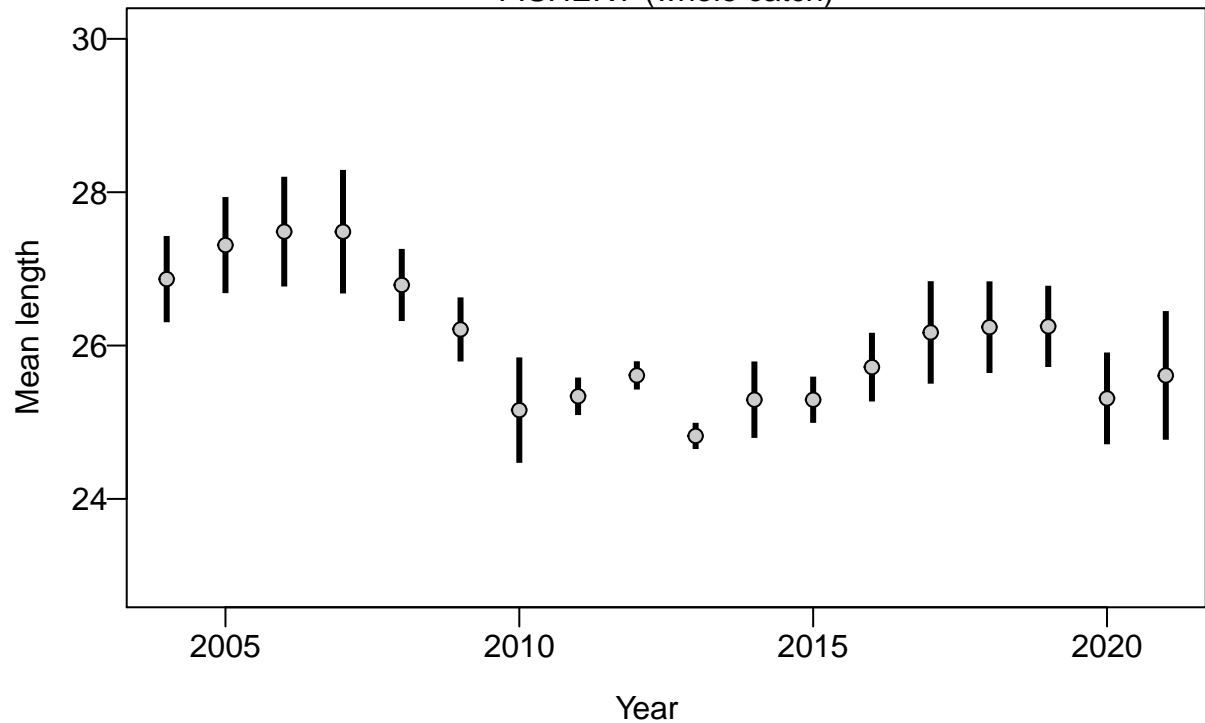


Proportion



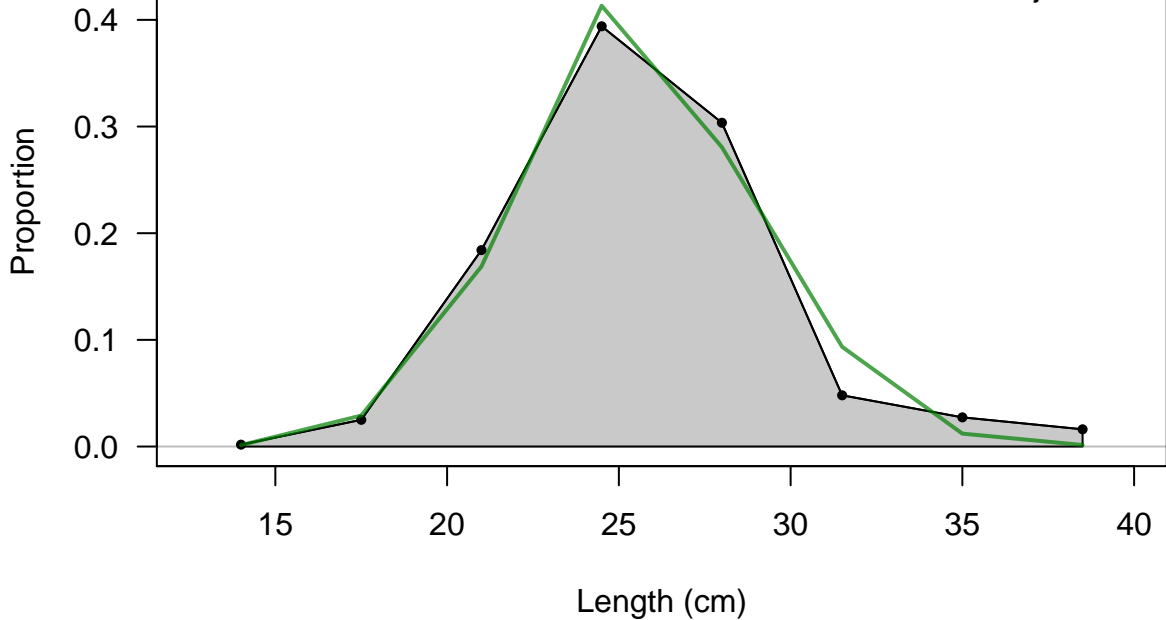


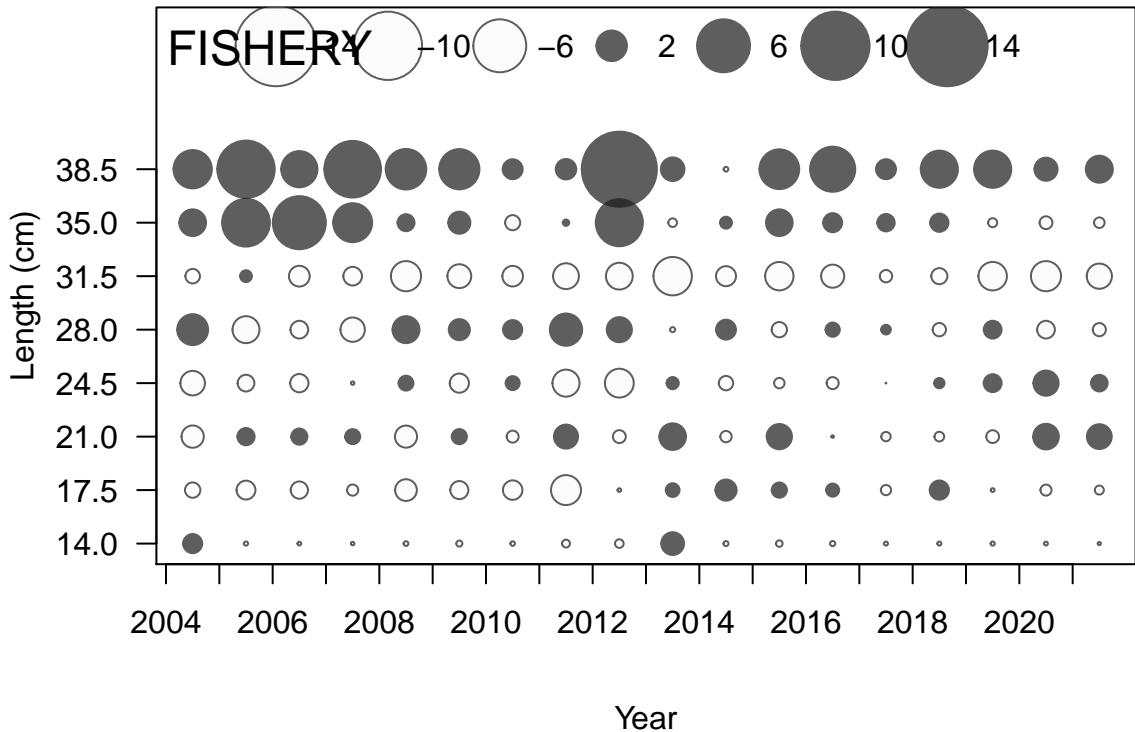
FISHERY (whole catch)



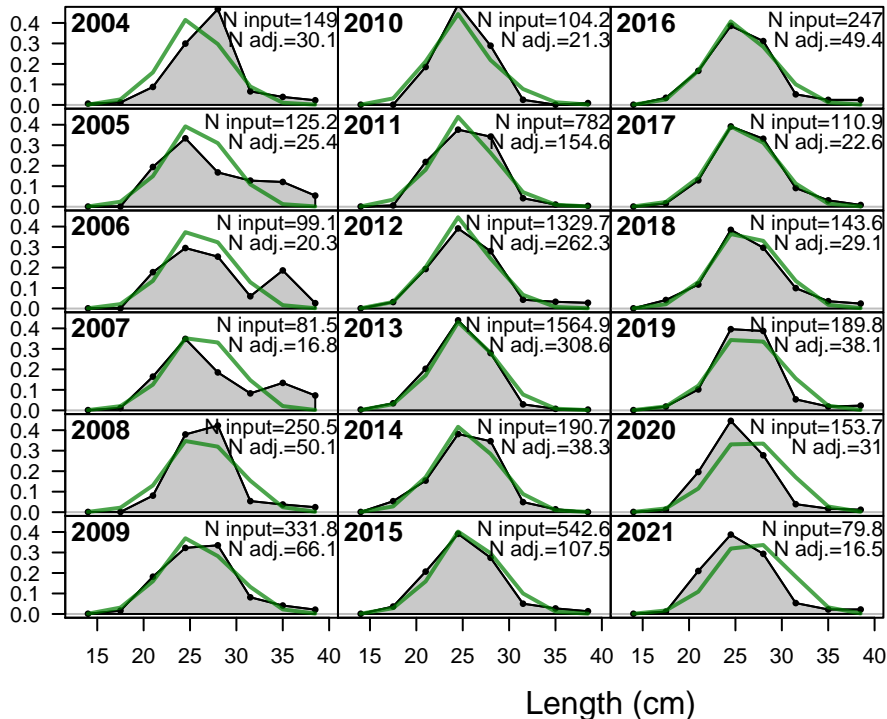
FISHERY

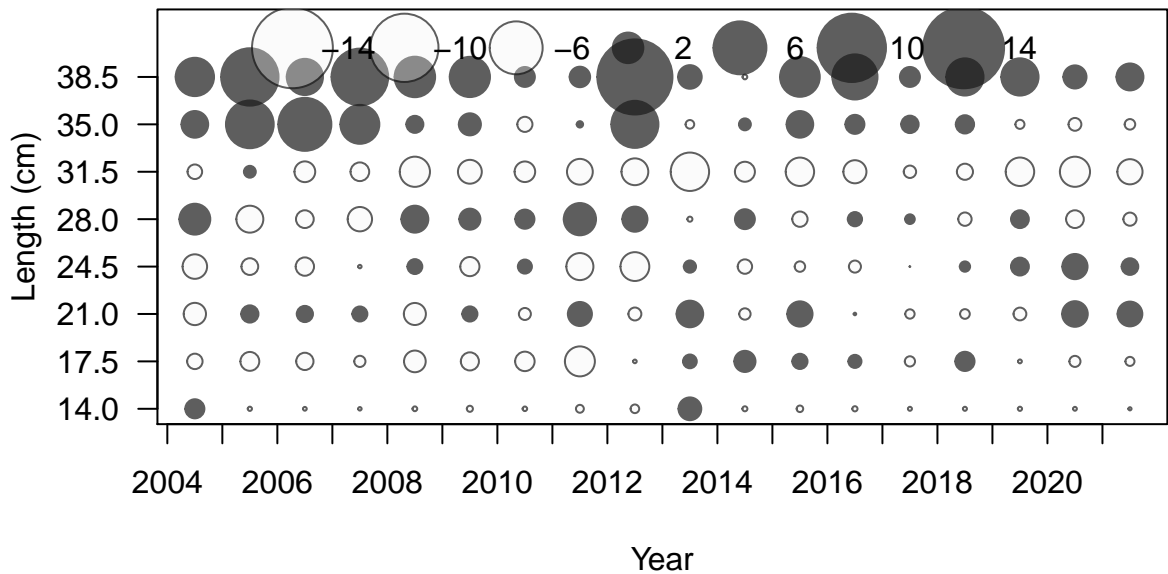
Sum of N input=6476
Sum of N adj.=1288.2



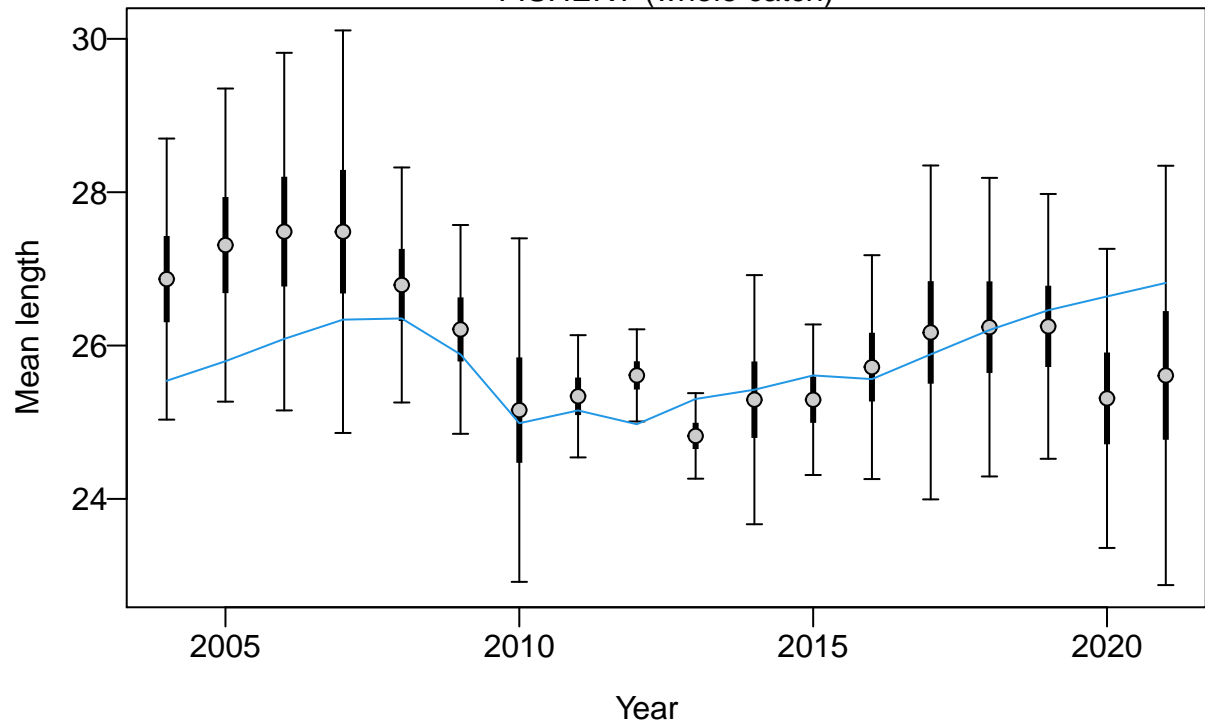


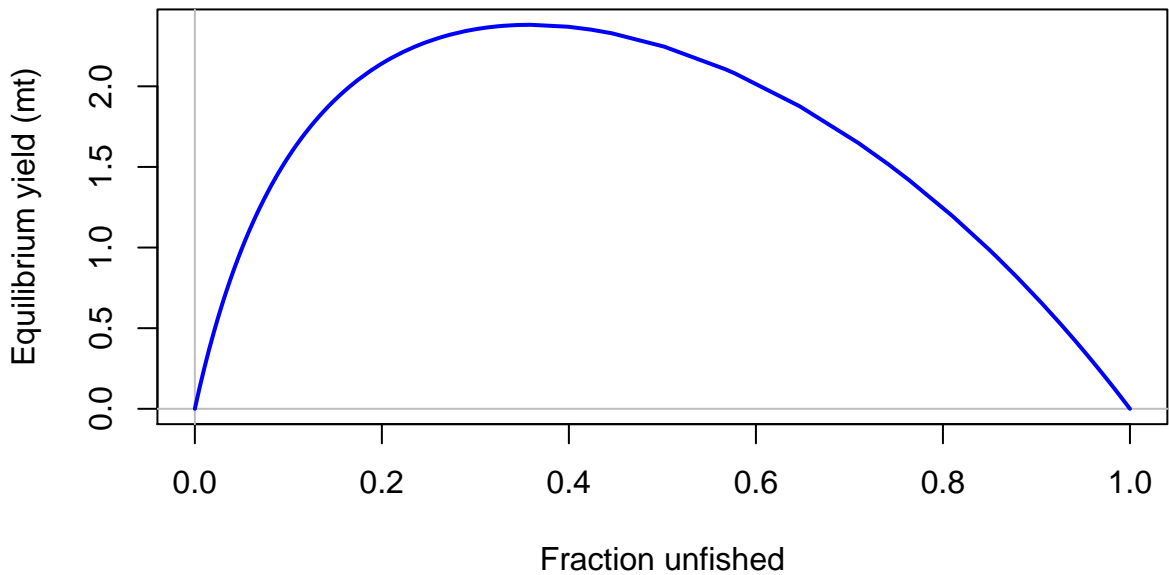
Proportion

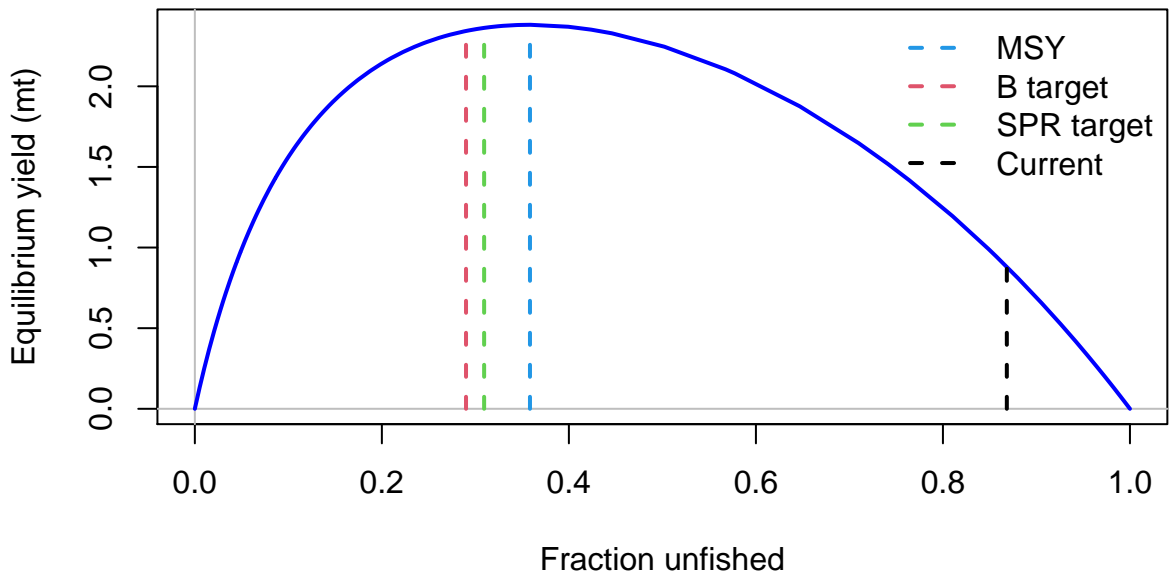


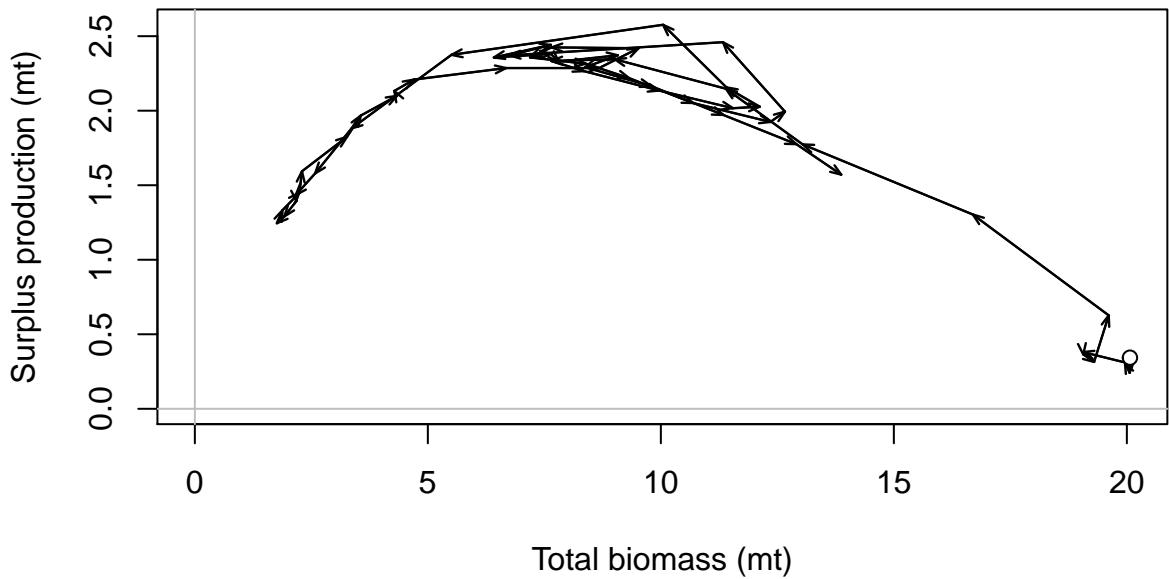


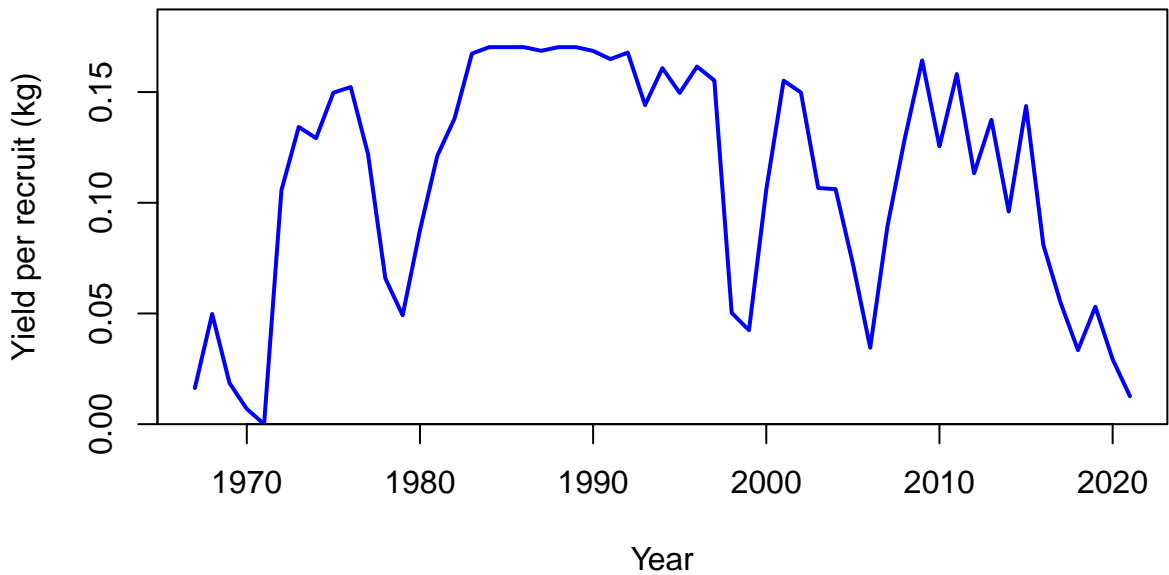
FISHERY (whole catch)



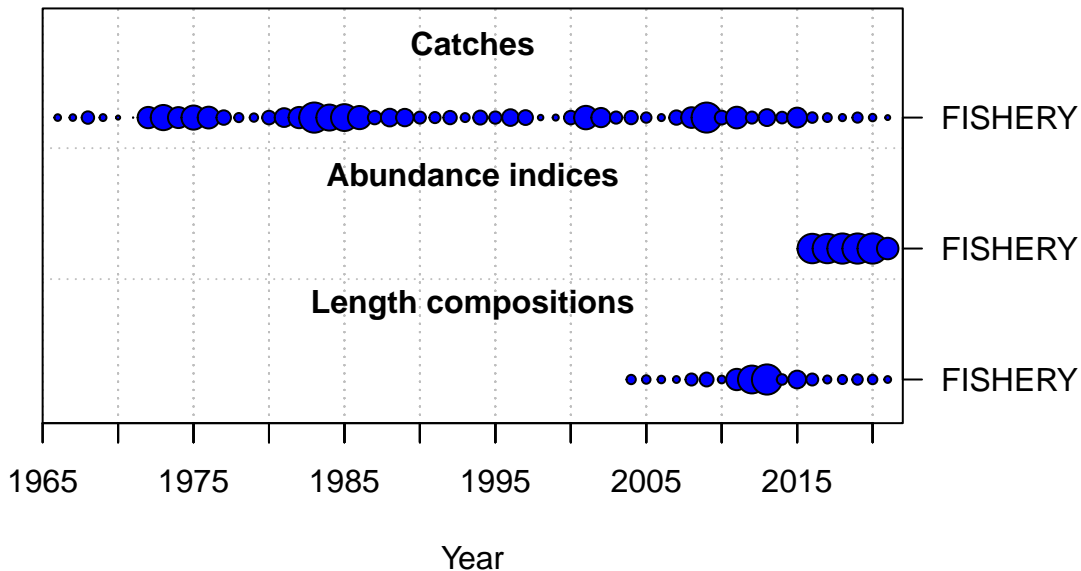








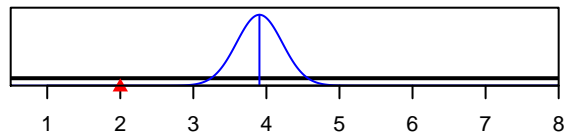




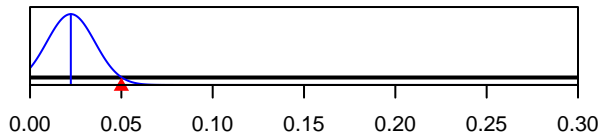
SR_LN(R0)



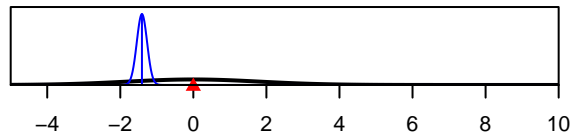
Size_95%width_FISHERY(1)



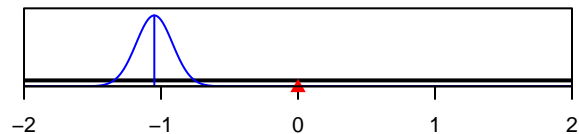
InitF_seas_1flt_1FISHERY



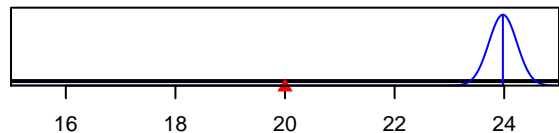
ln(DM_theta)_1



LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Parameter value