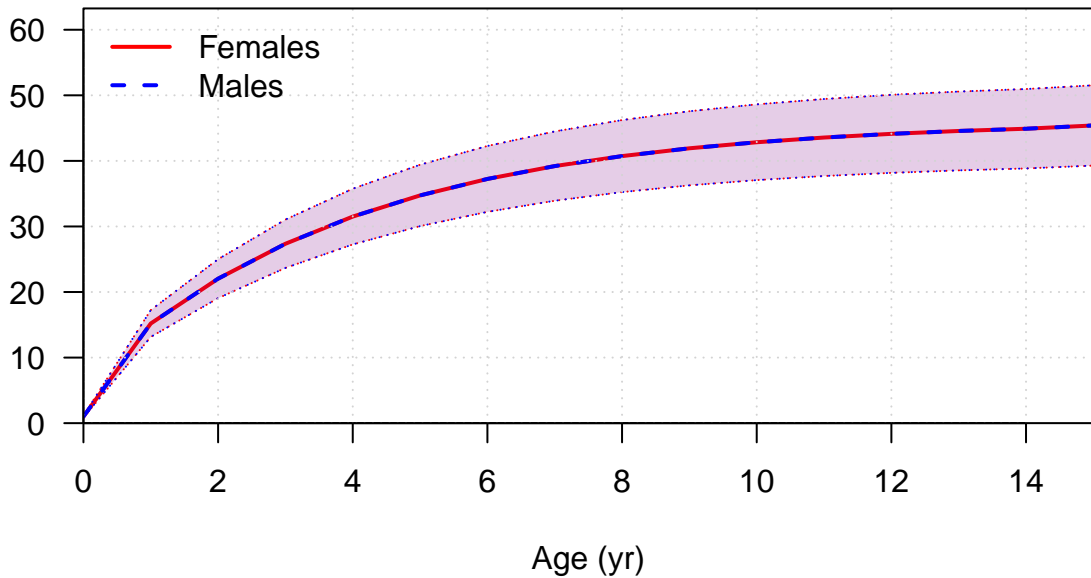
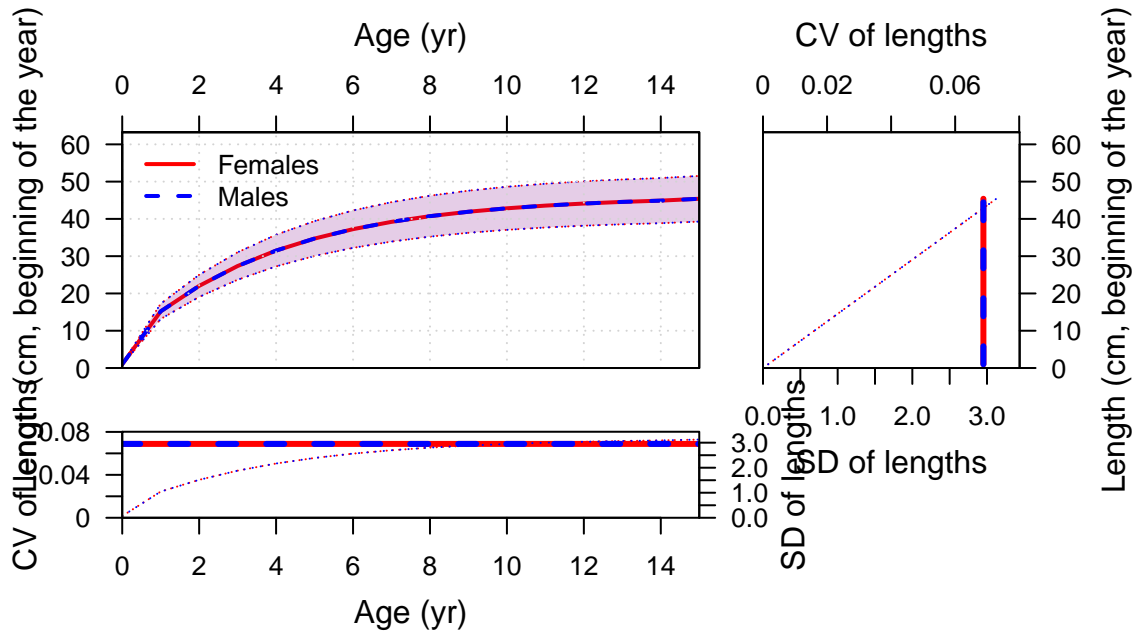
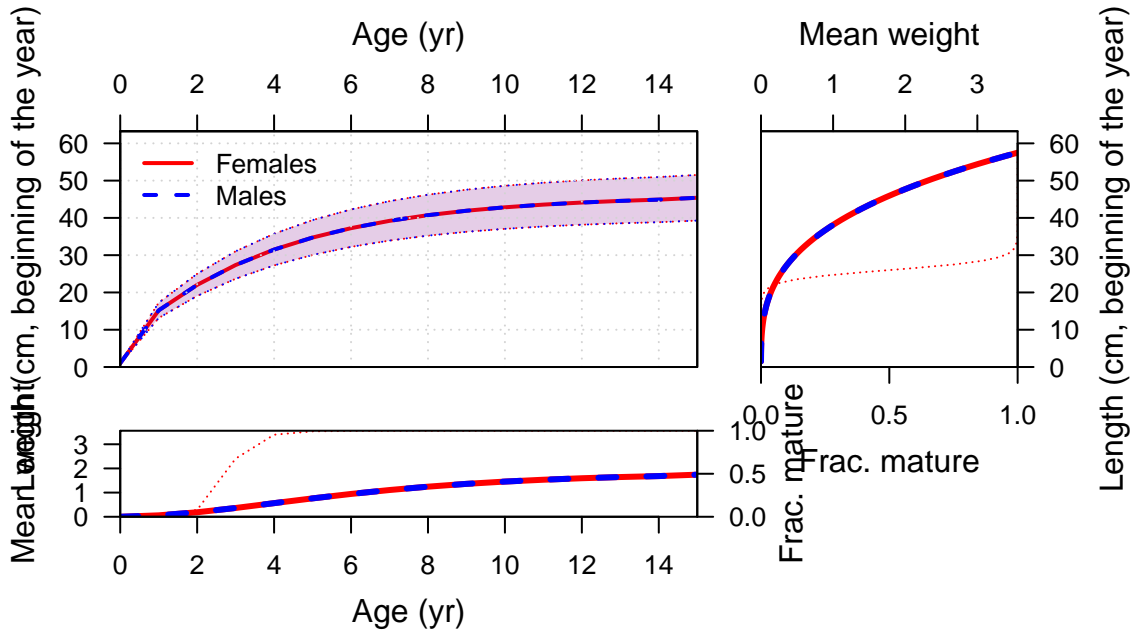


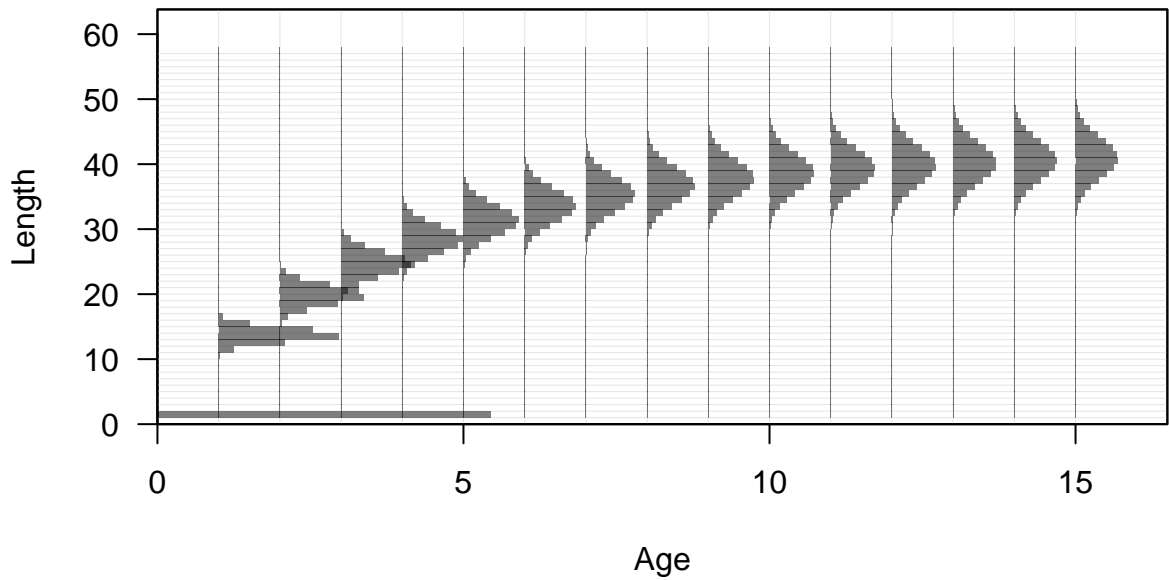
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Feb 14 16:46:39 2023
Data_File: data.ss
Control_File: control.ss

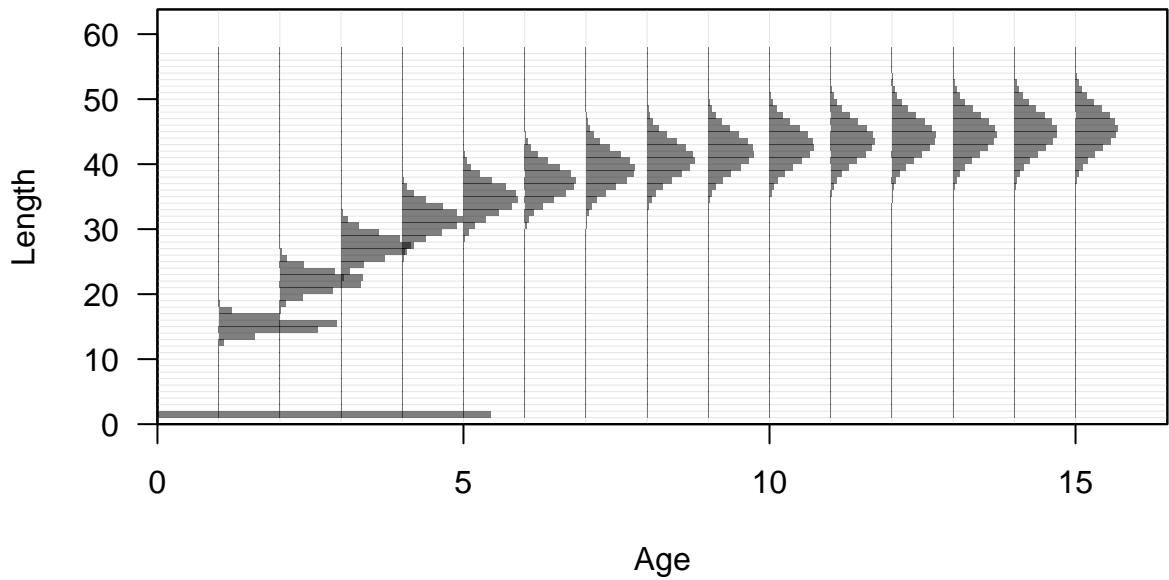
Length (cm, beginning of the year)

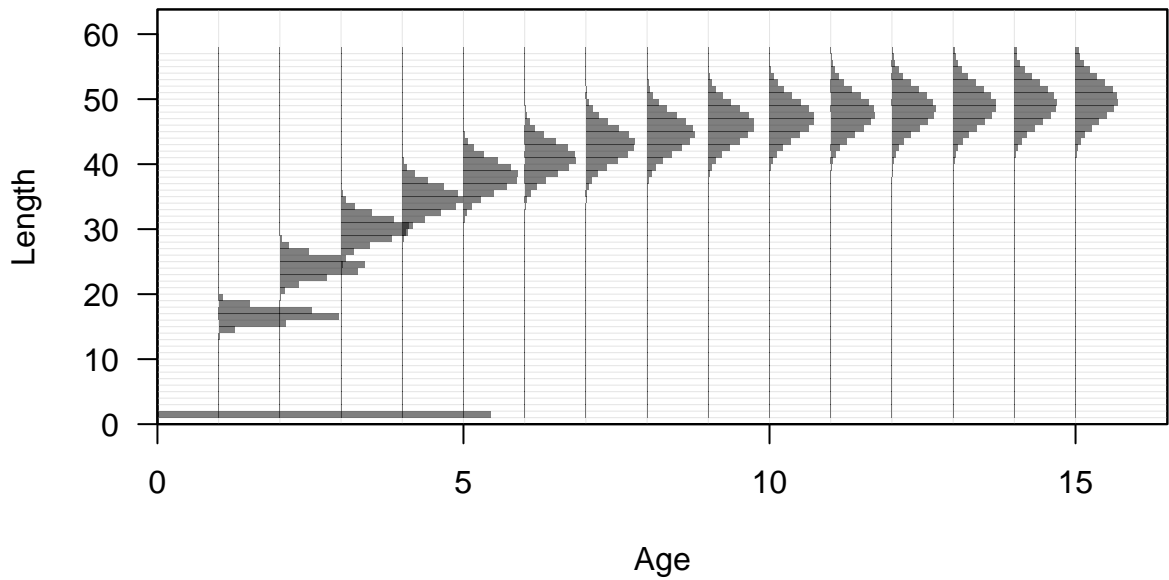


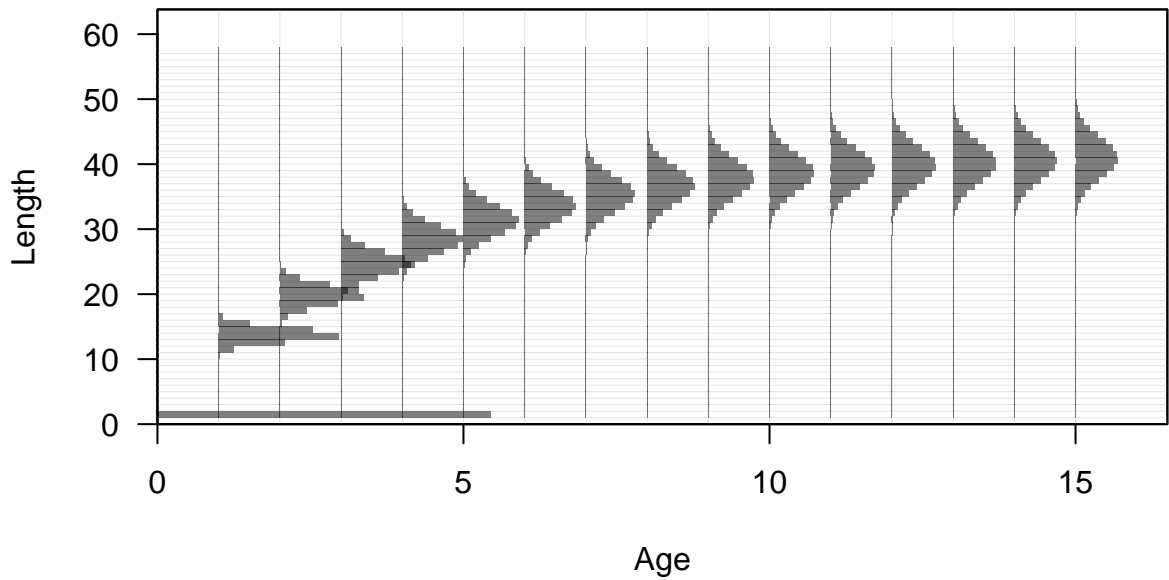


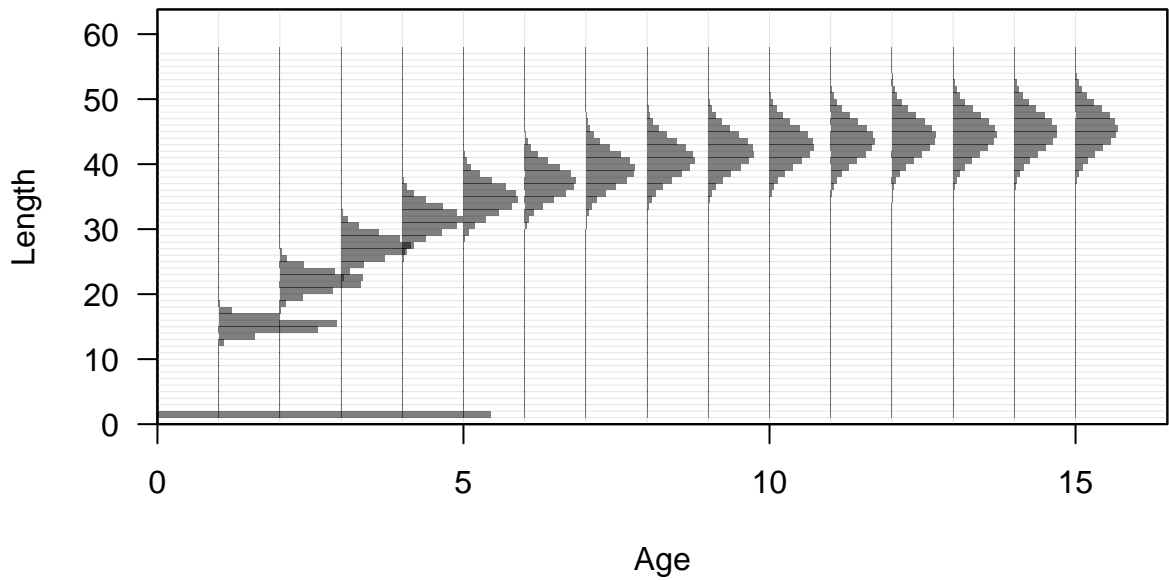


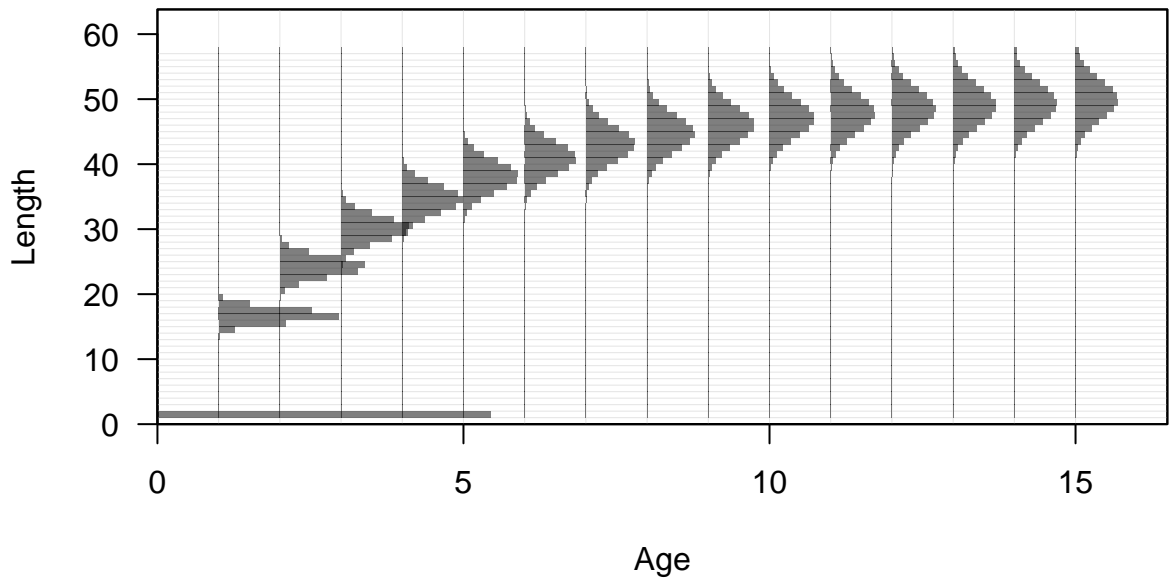


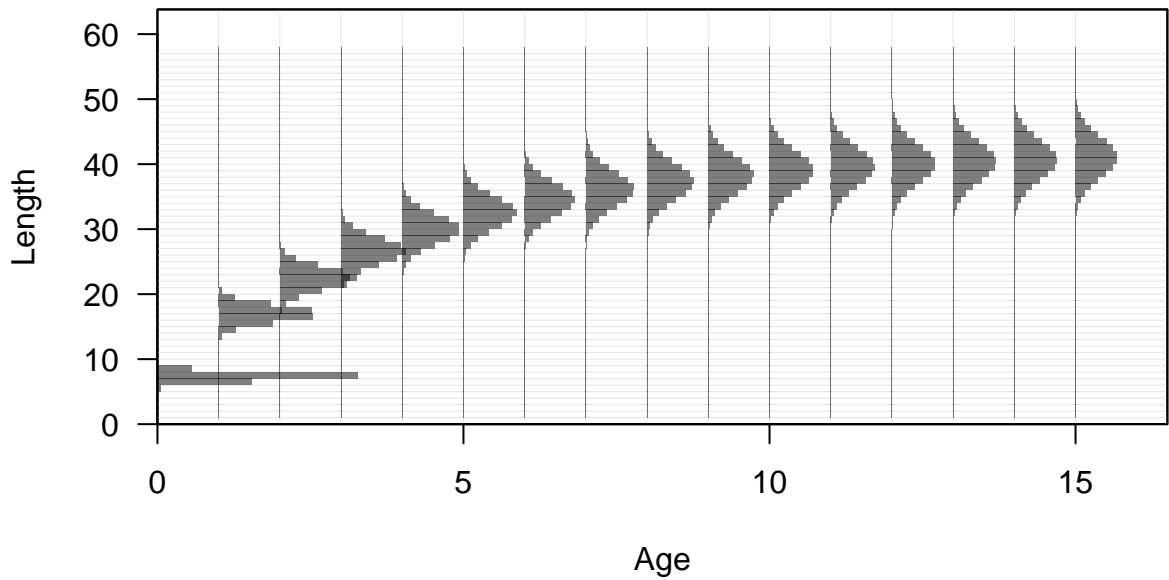


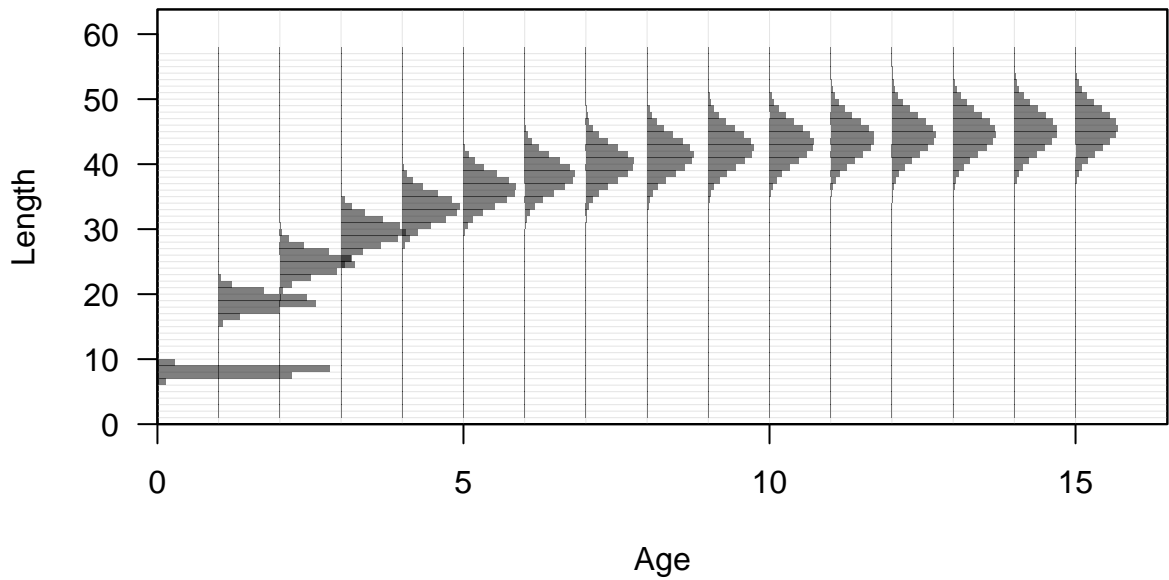


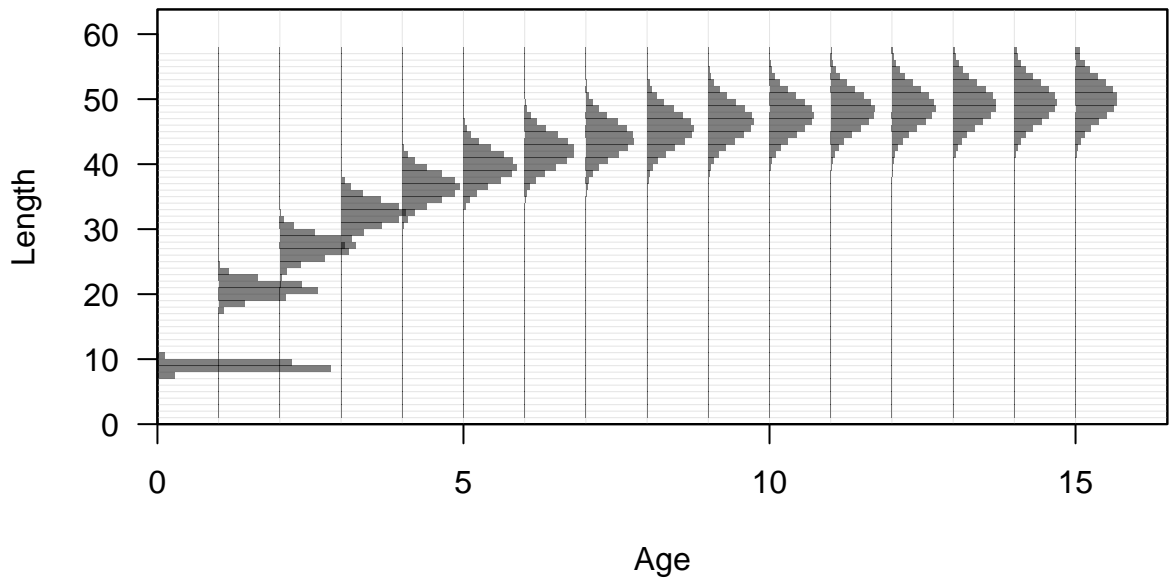


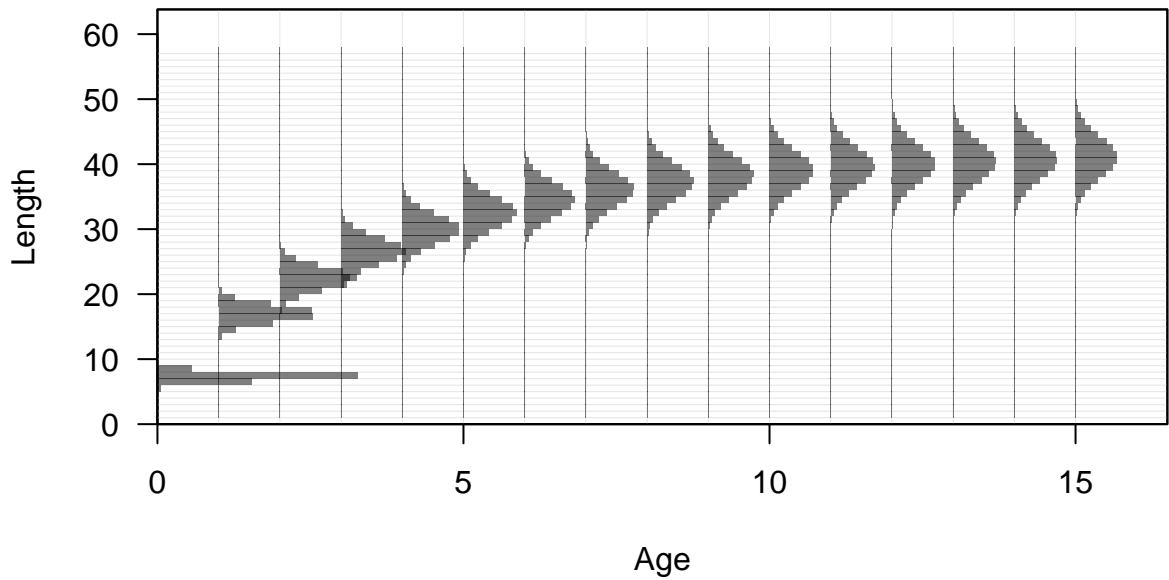


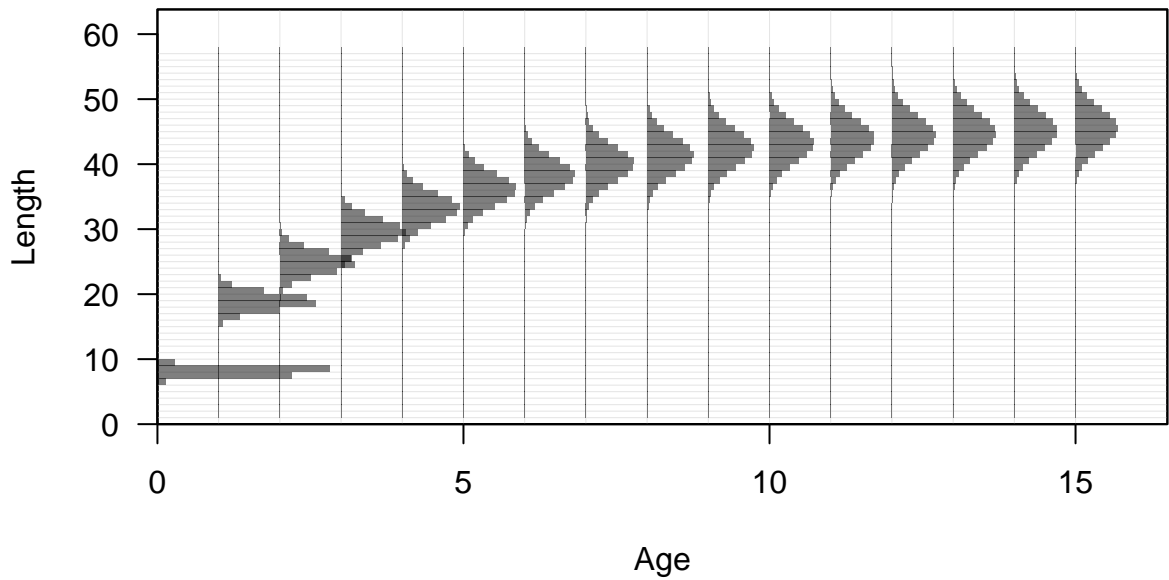


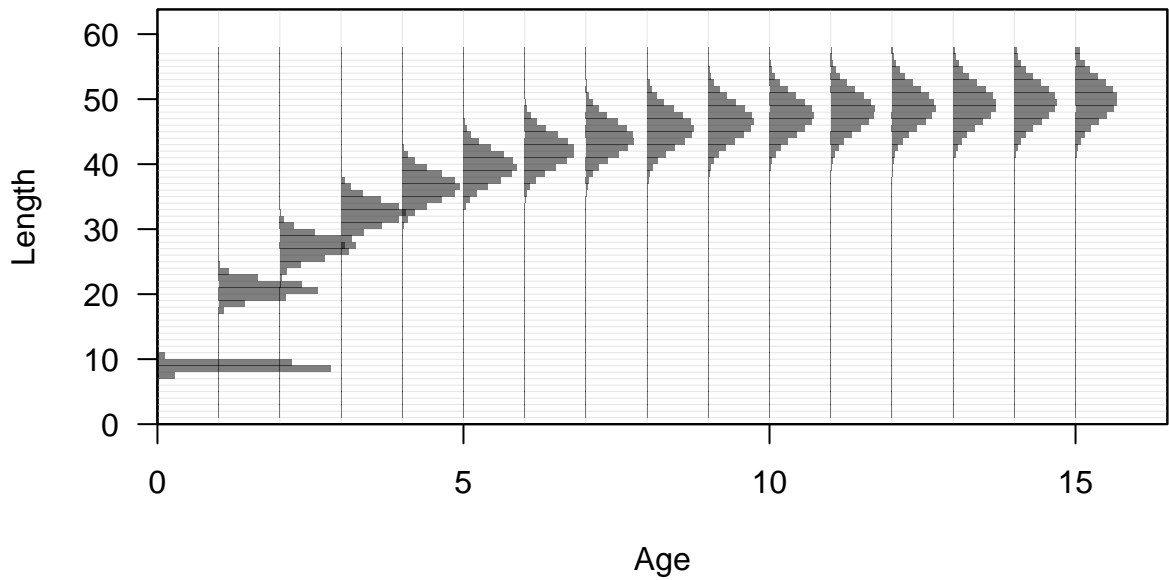








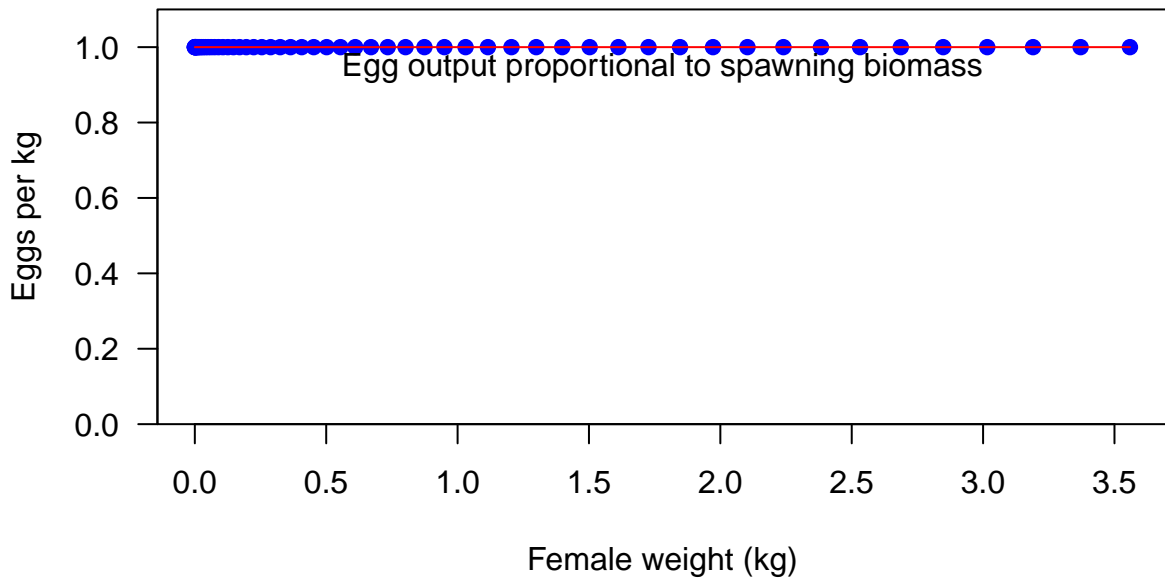












Fecundity



Fecundity



Spawning output

3

2

1

0

0

10

20

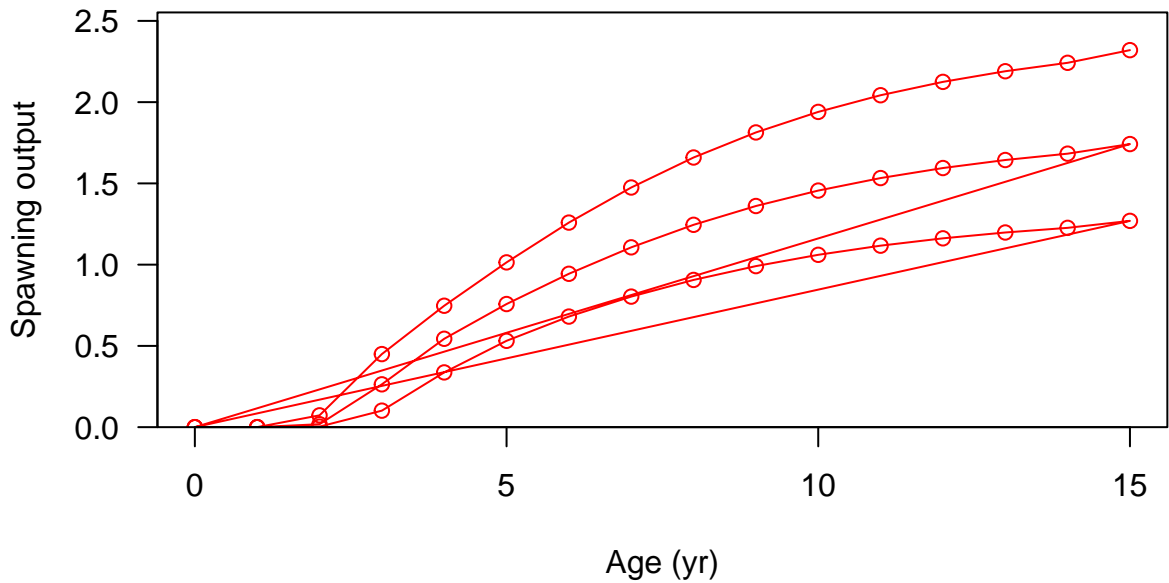
30

40

50

Length (cm)

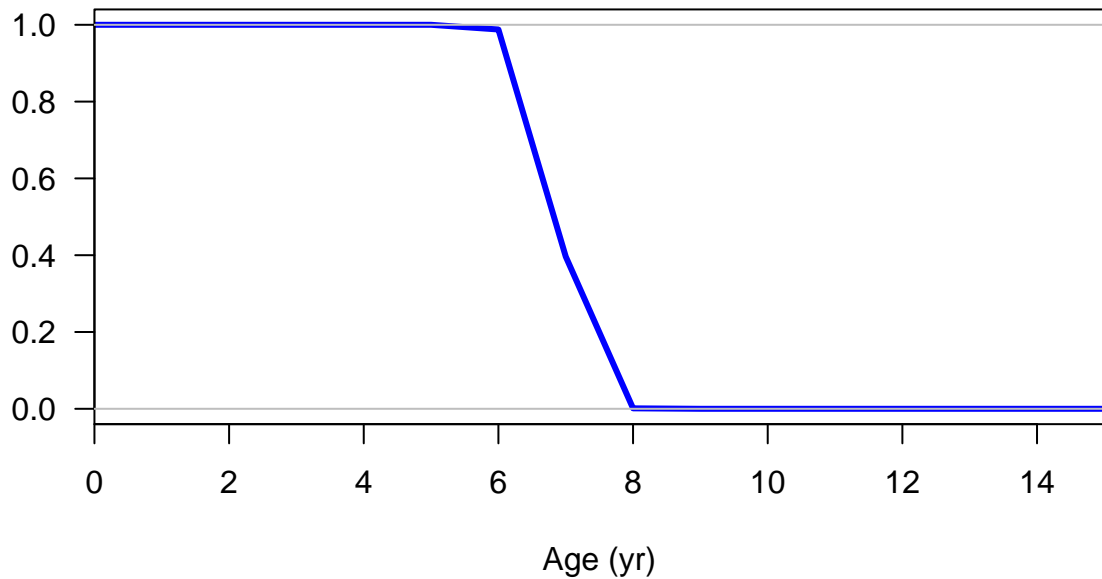




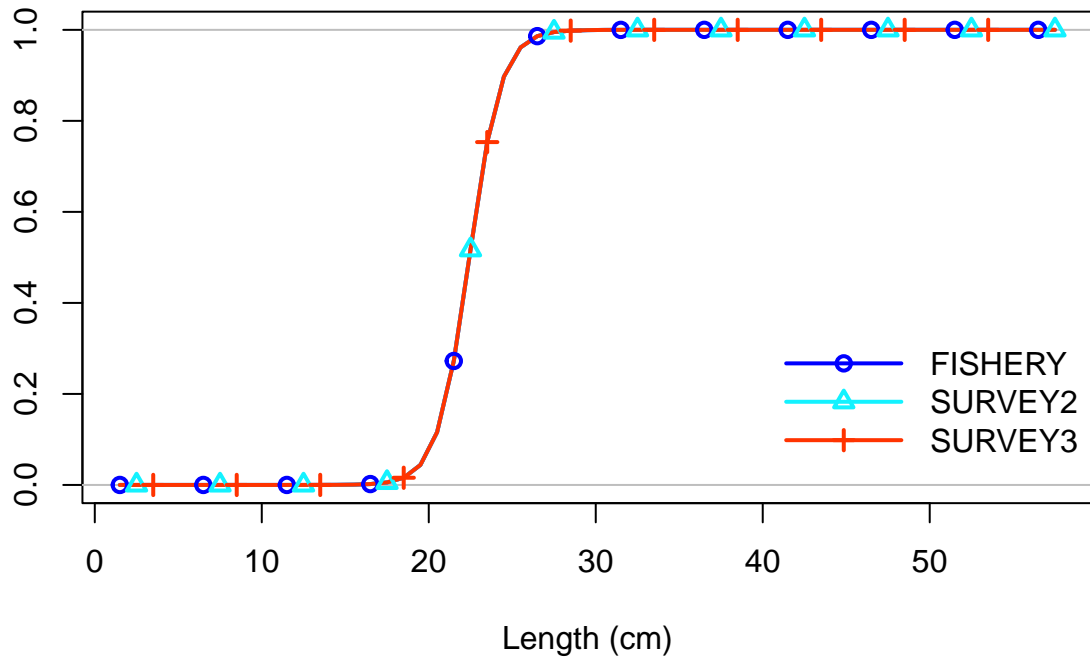
Hermaphroditism transition rate



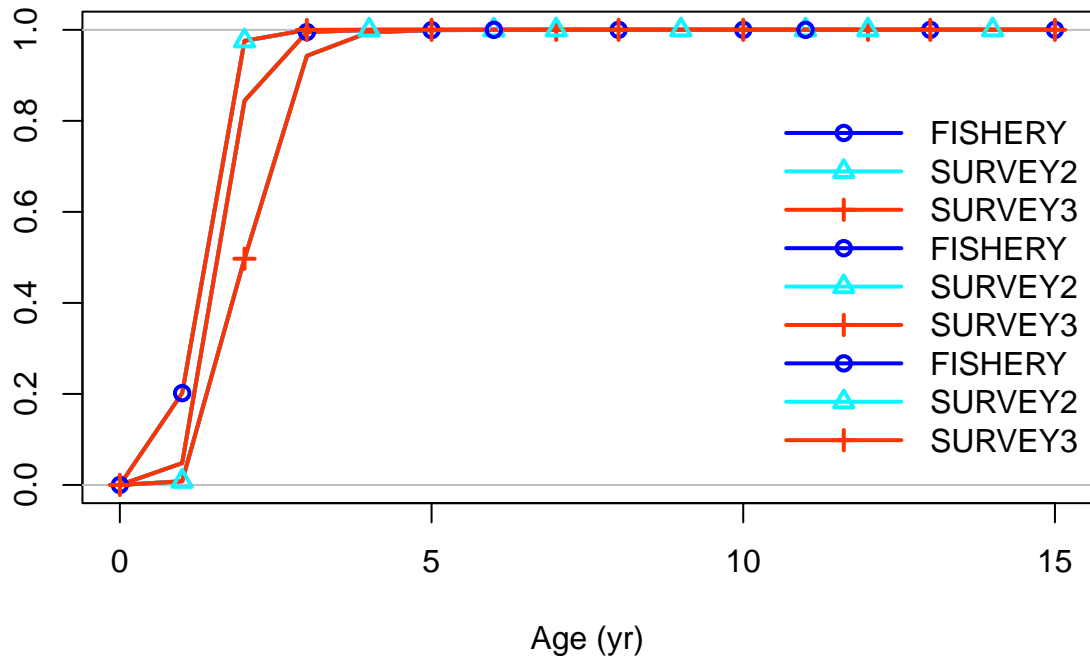
Fraction females by age at equilibrium



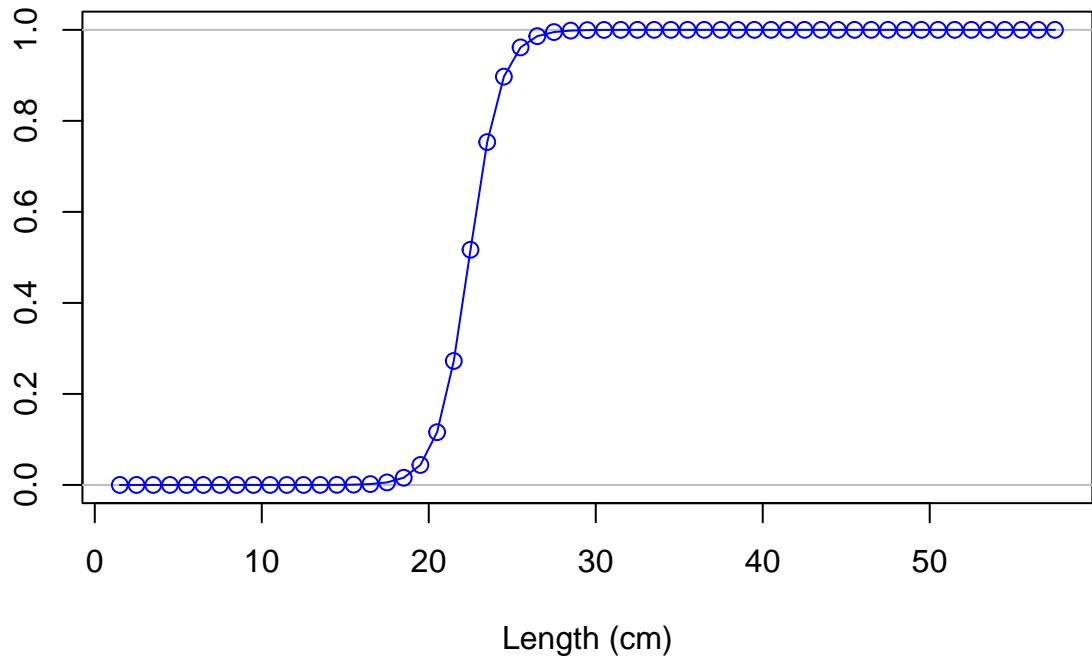
Selectivity



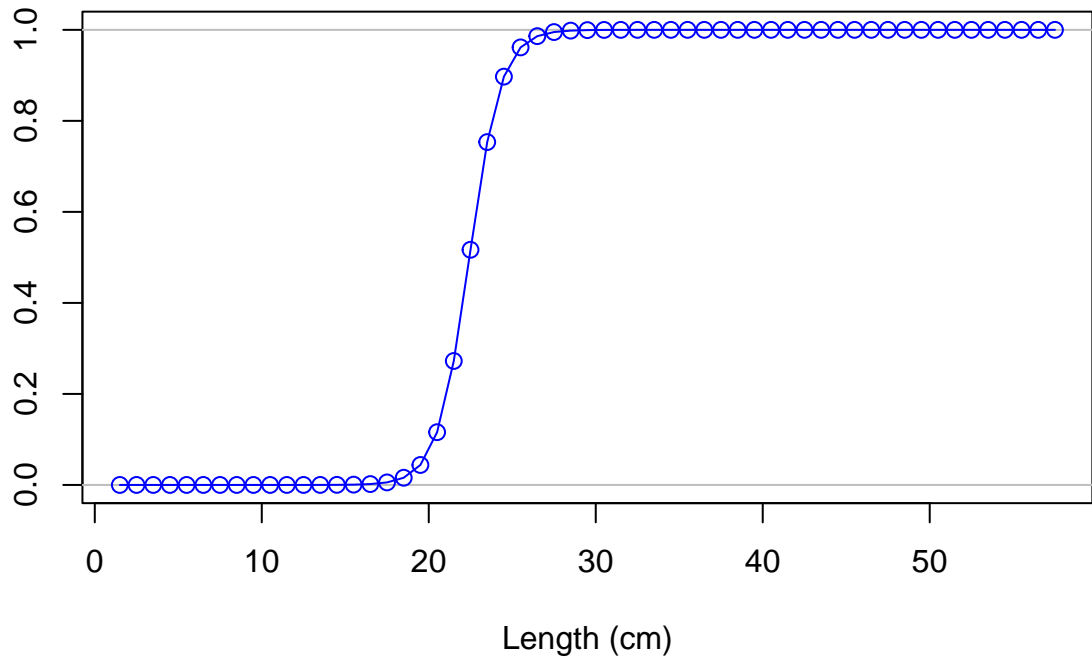
Selectivity



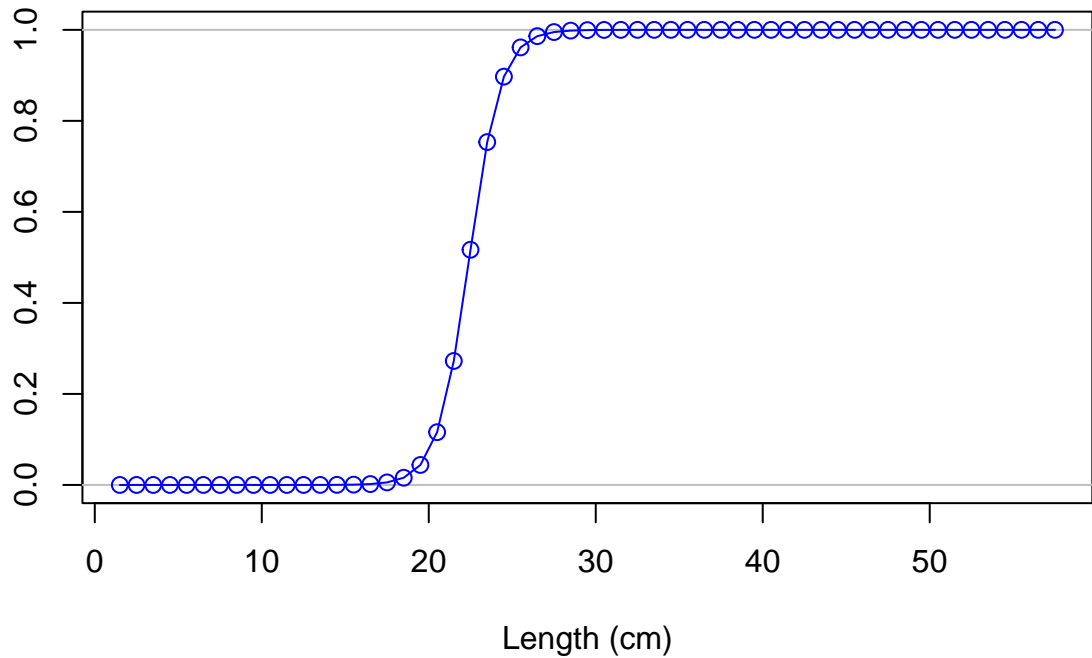
Selectivity



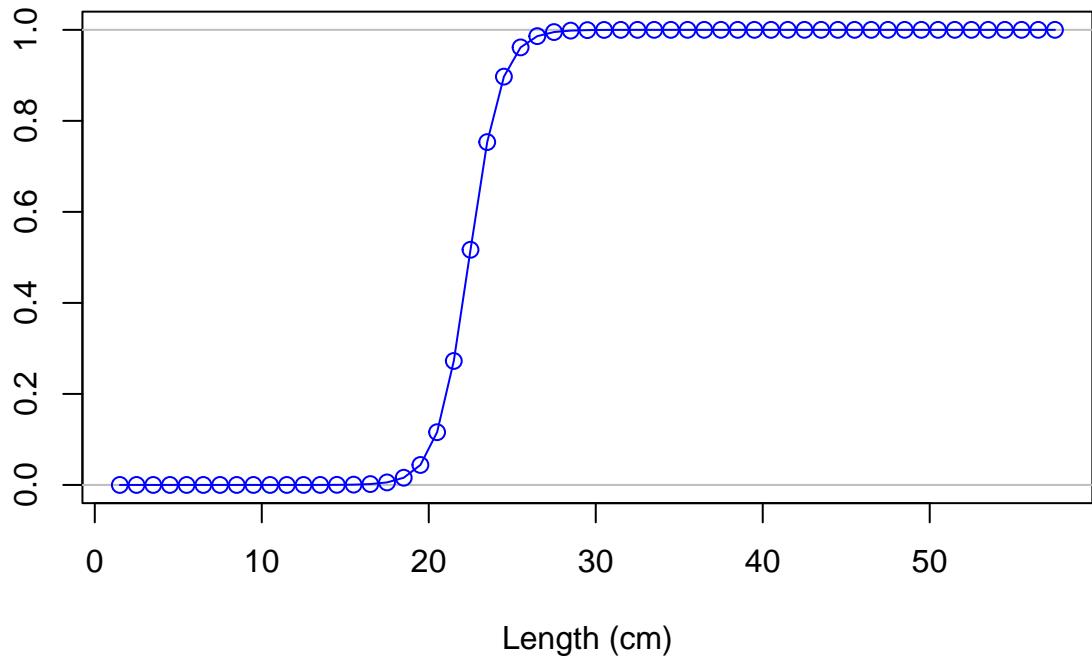
Selectivity



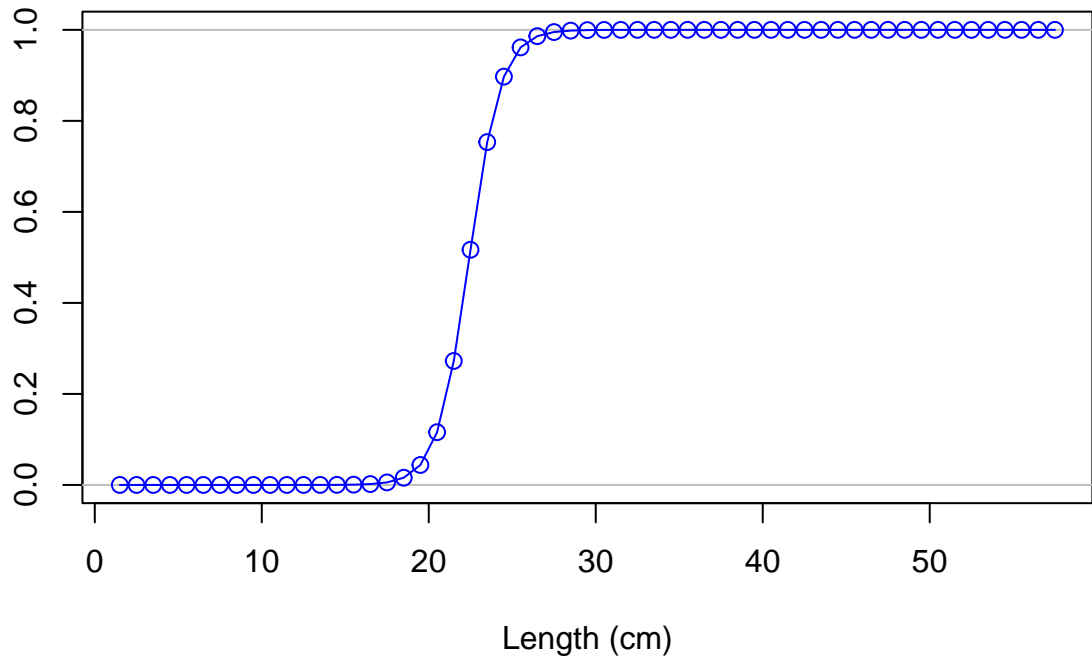
Selectivity



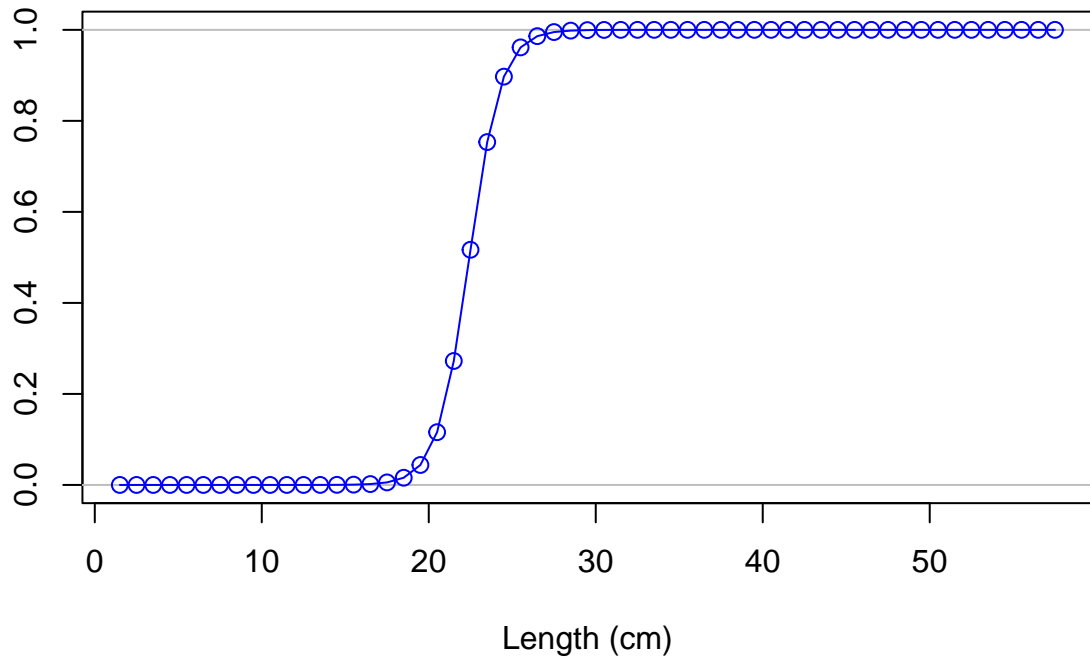
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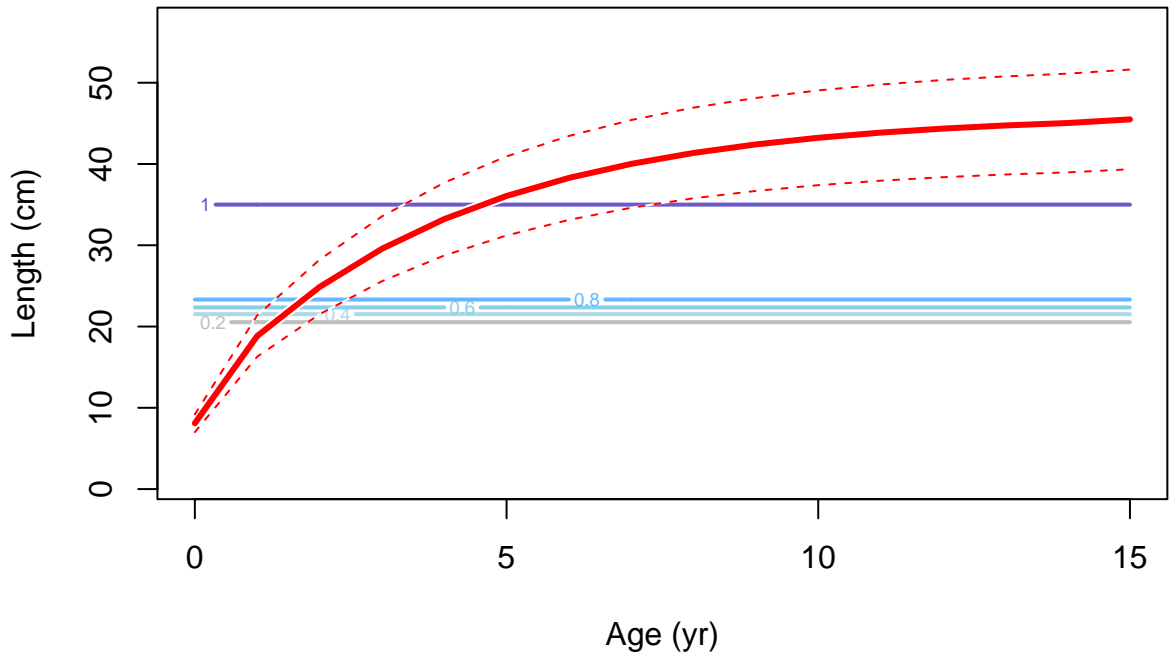


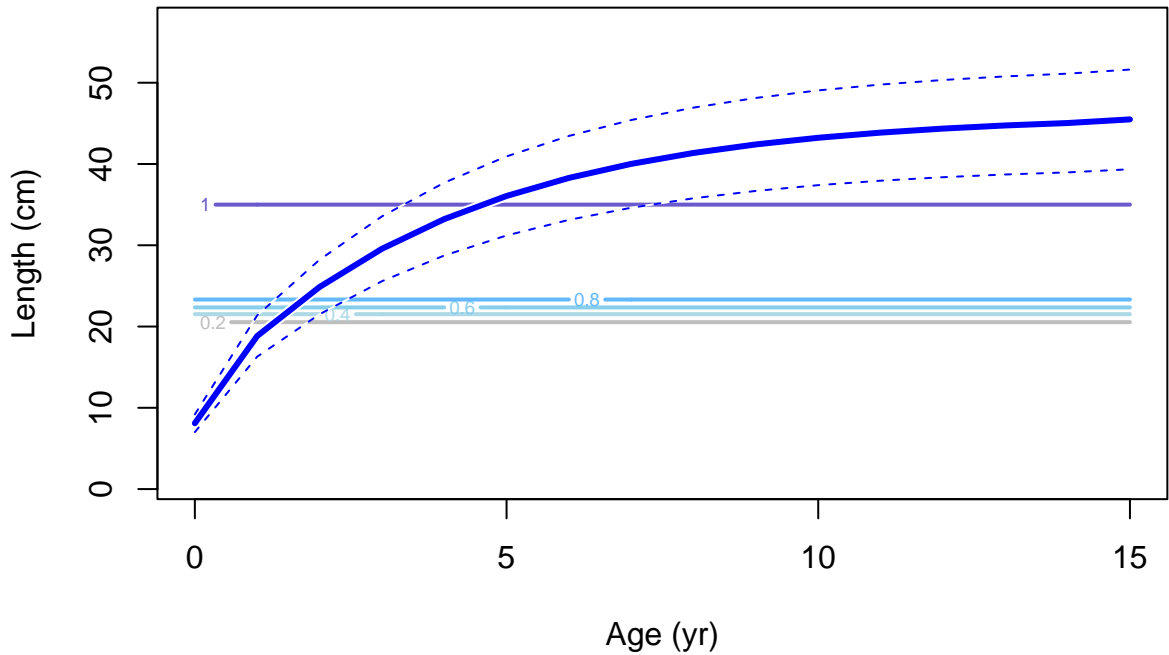
Selectivity

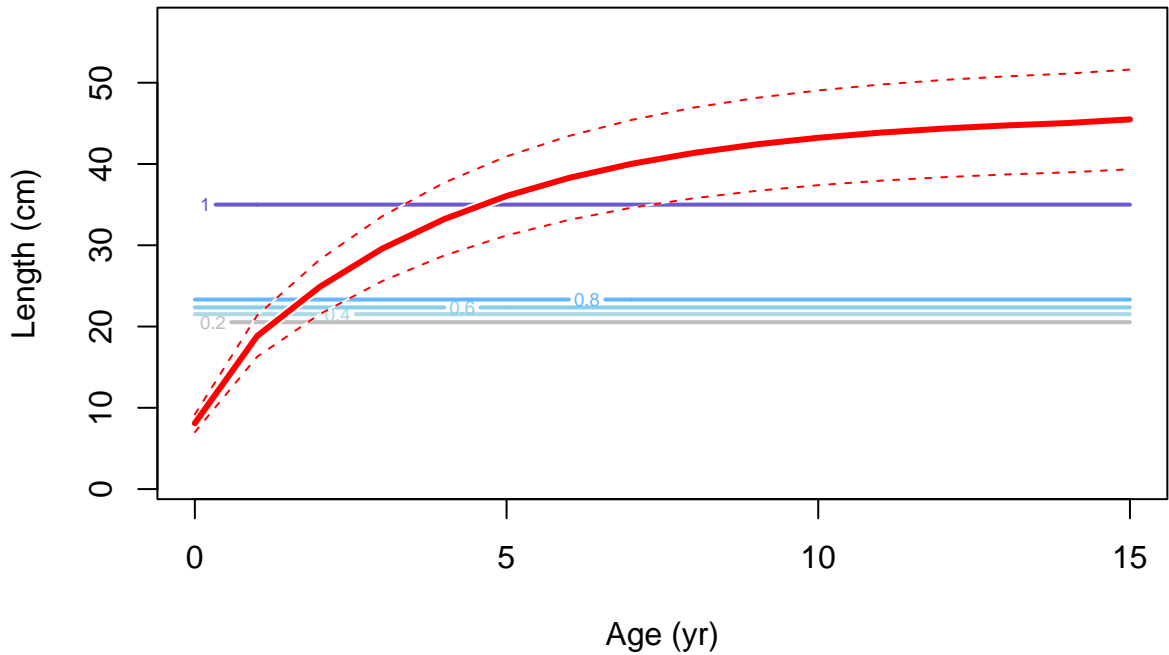


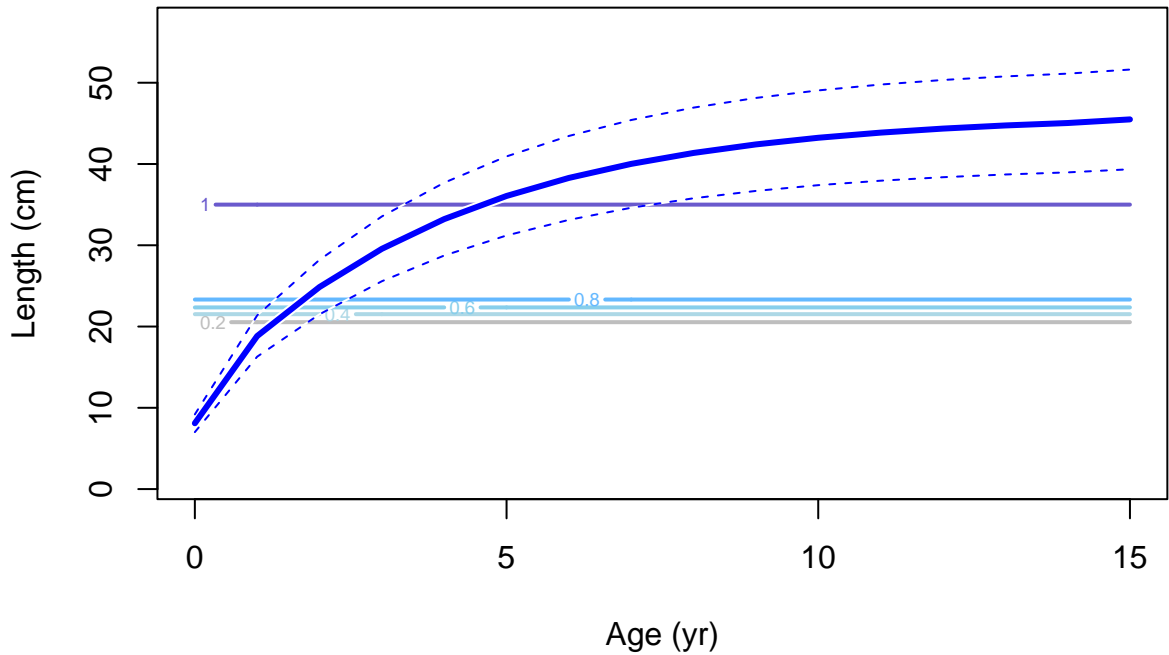
Selectivity

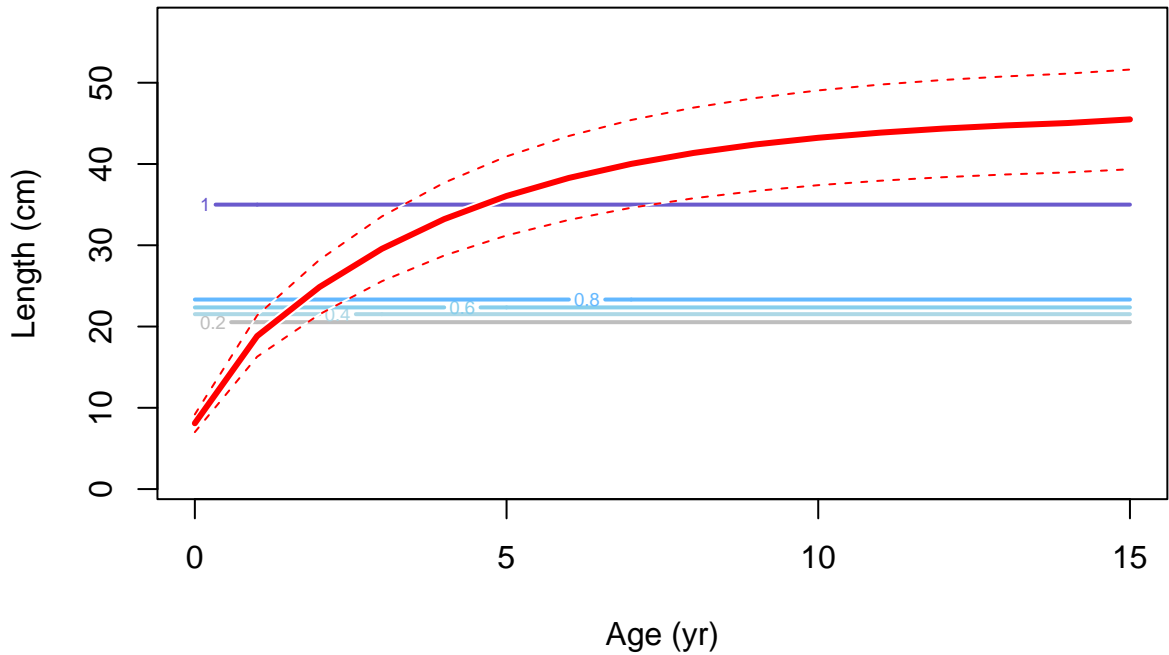


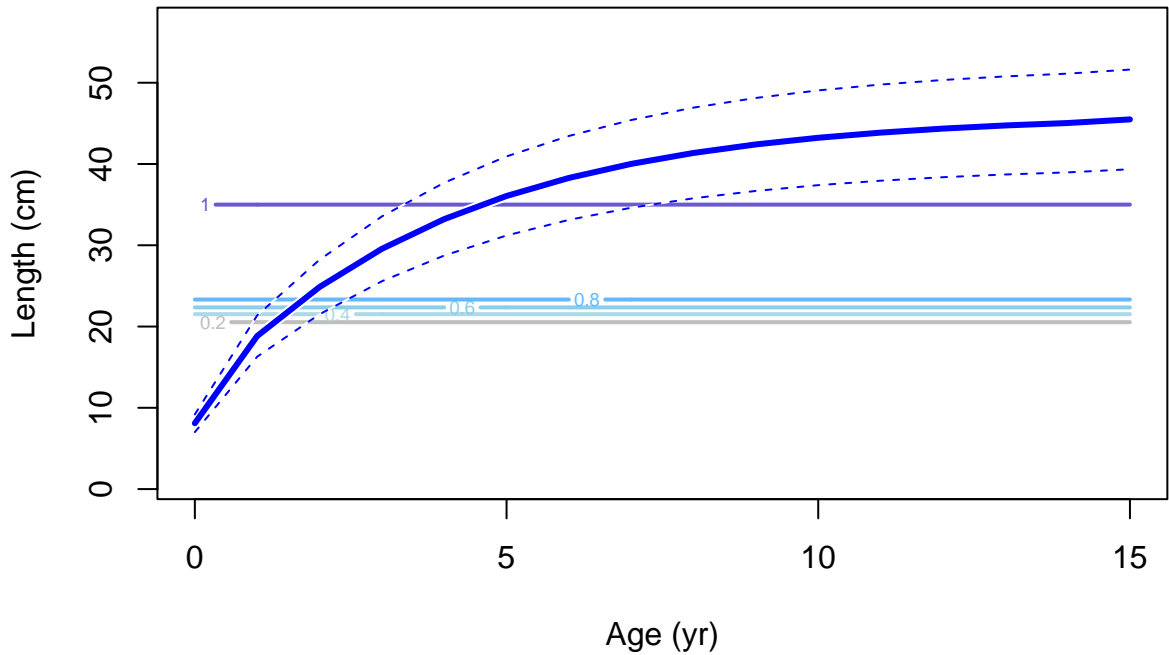




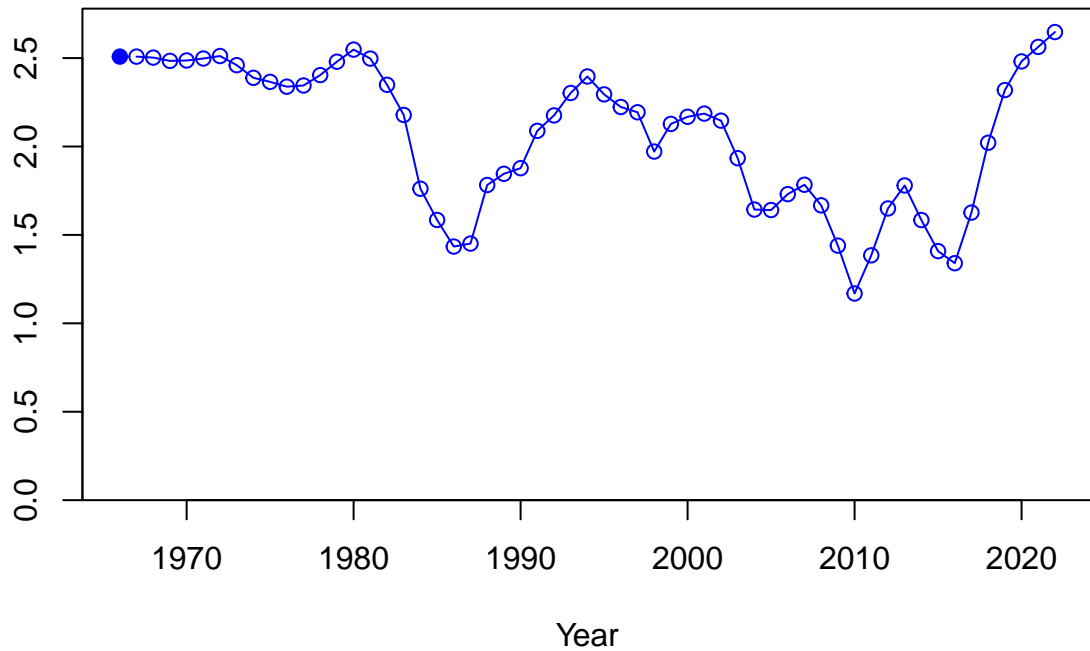




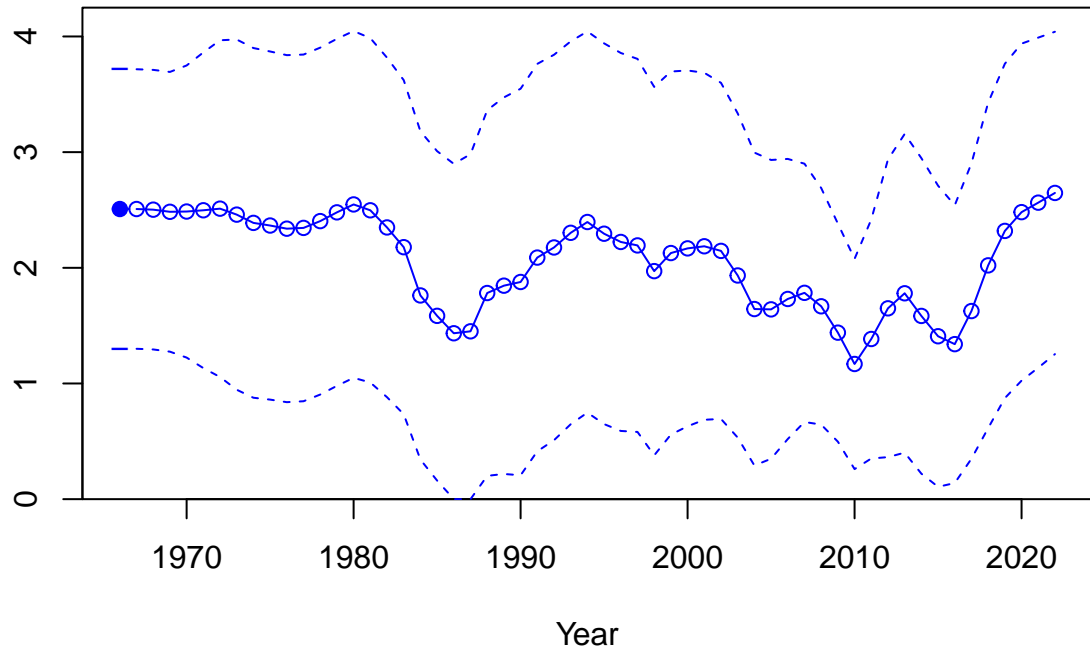




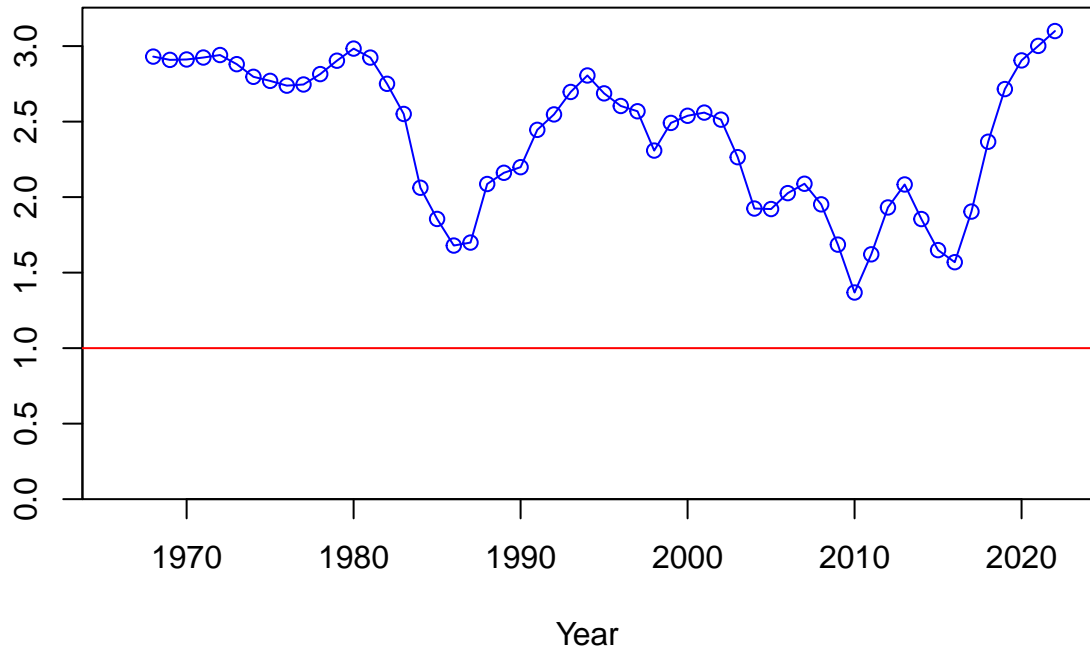
Spawning biomass (mt)



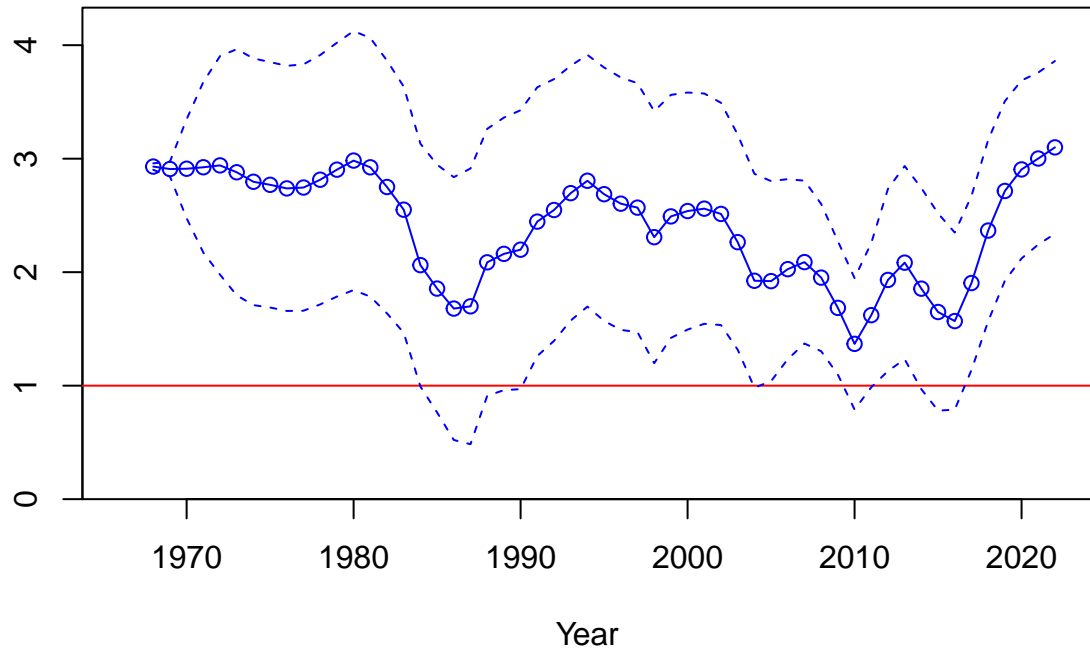
Spawning biomass (mt)

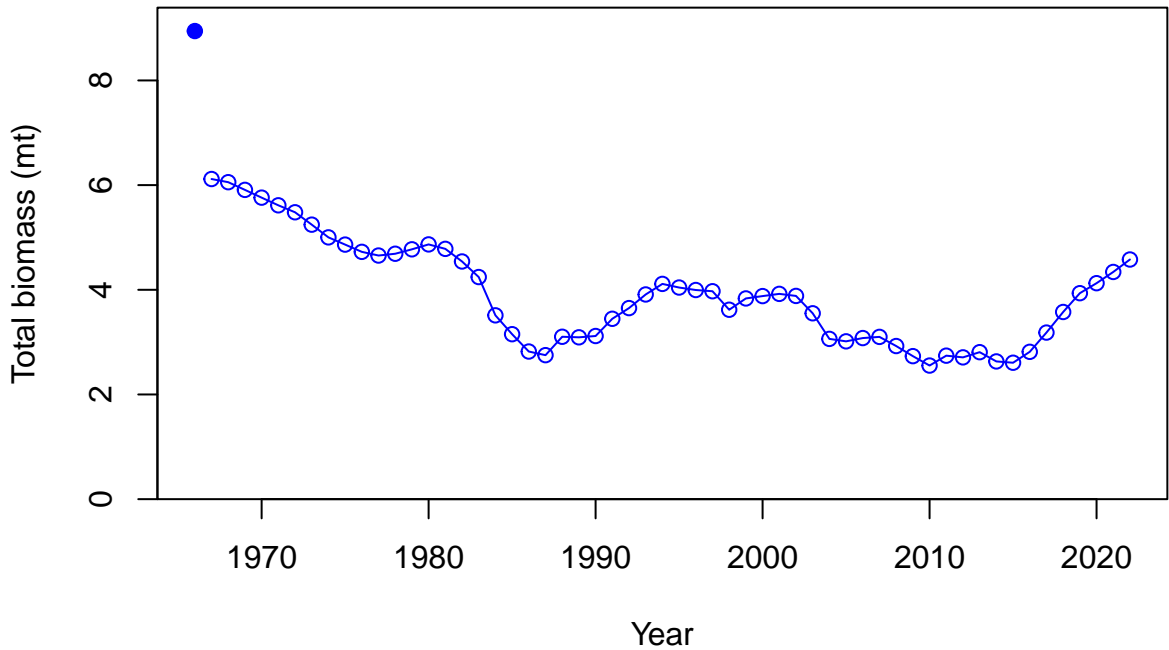


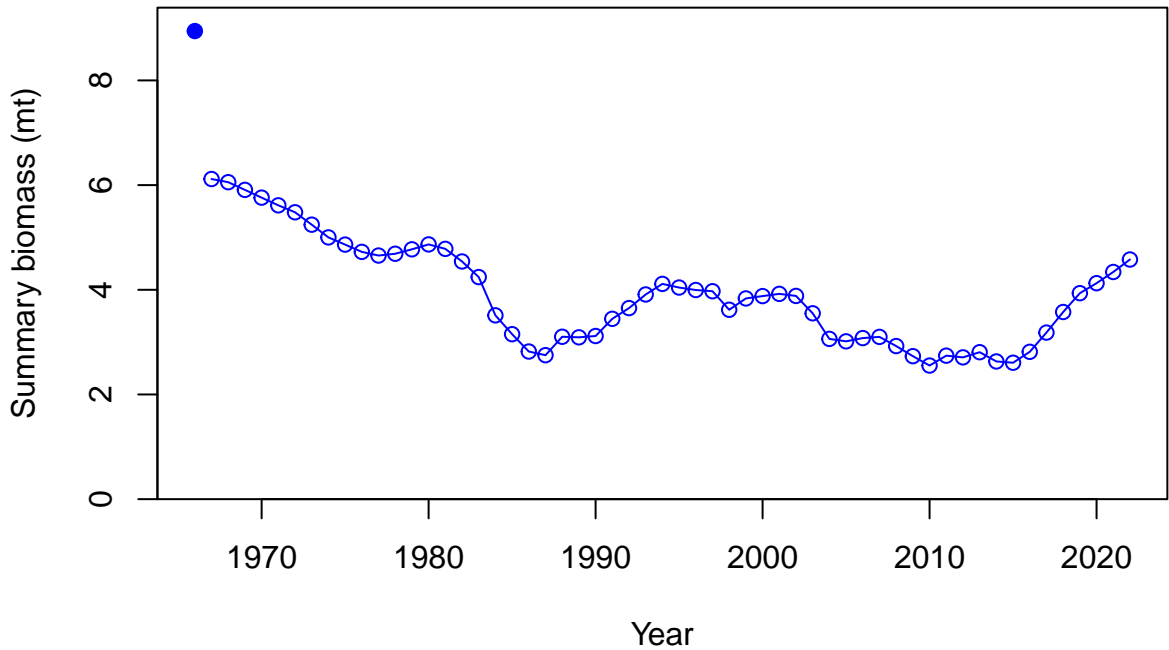
Relative spawning biomass: B/B_{MSY}



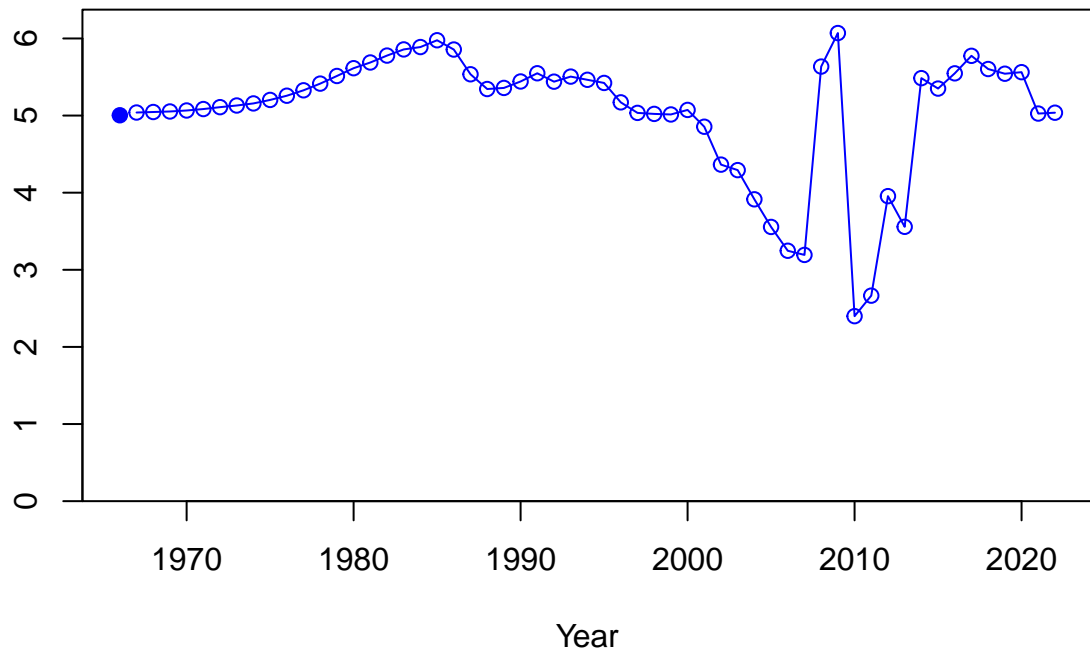
Relative spawning biomass: B/B_{MSY}



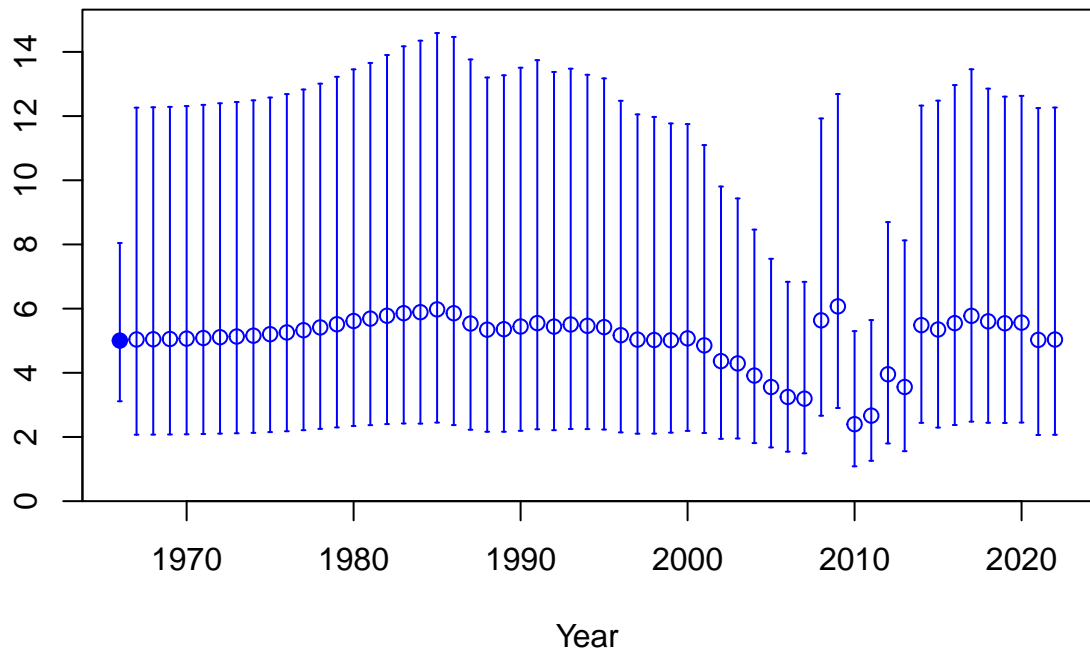




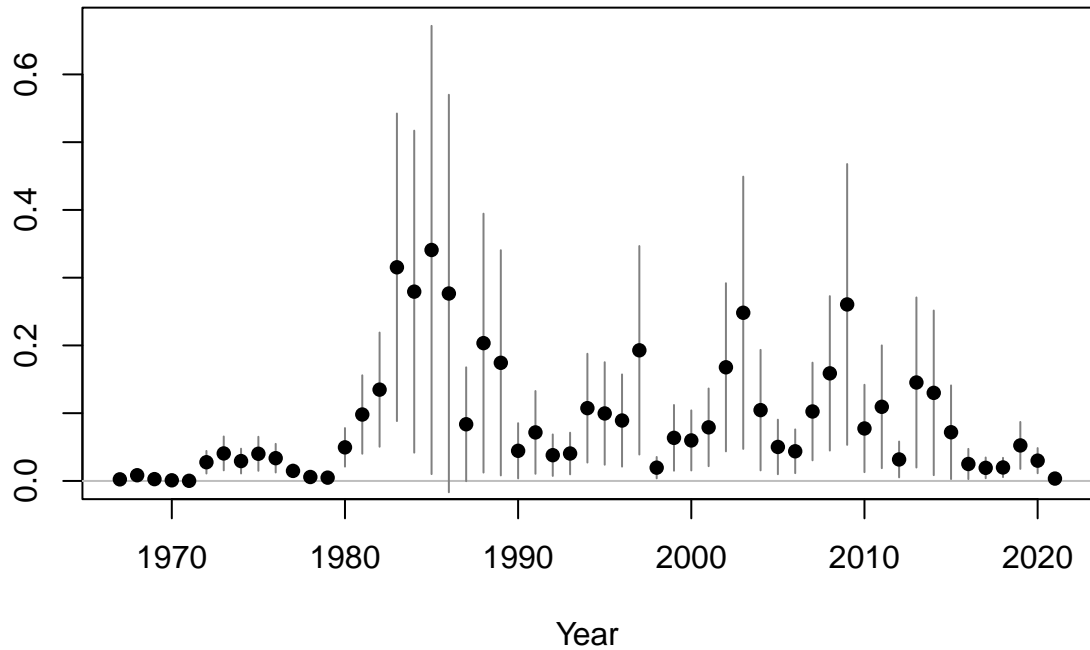
Age-0 recruits (1,000s)

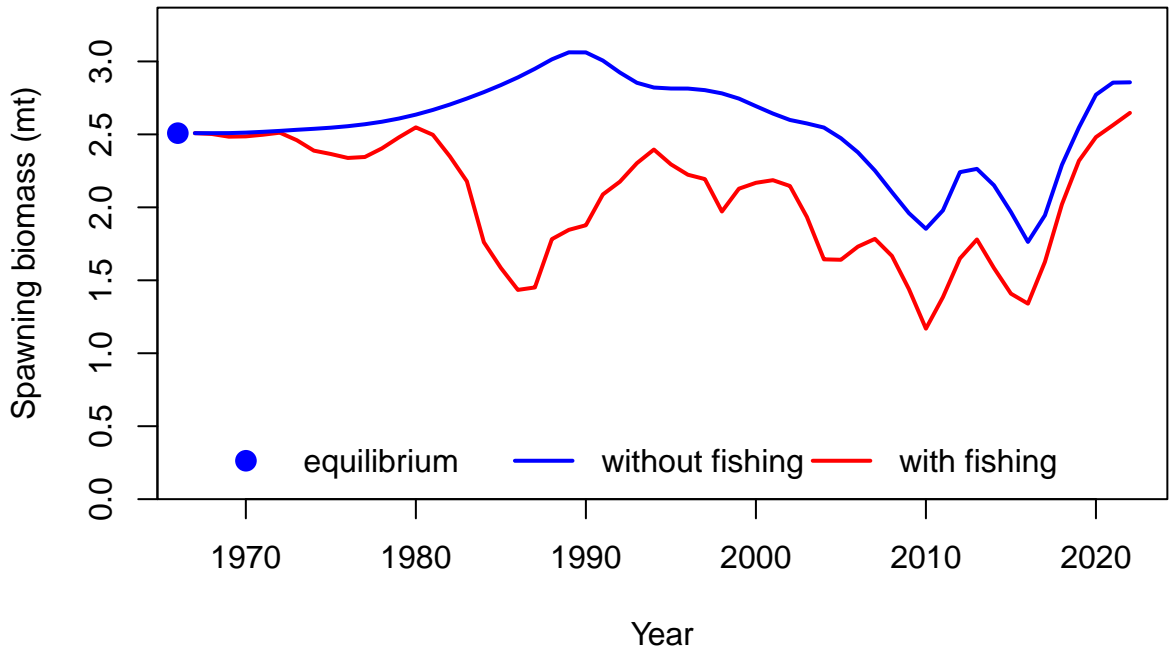


Age-0 recruits (1,000s)

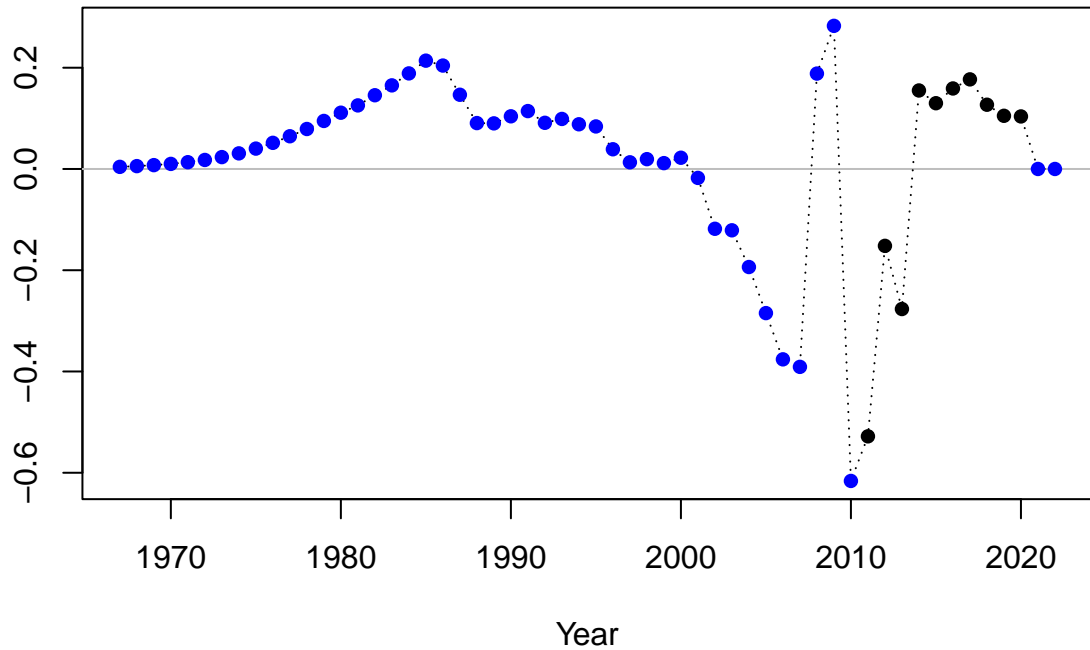


Summary Fishing Mortality

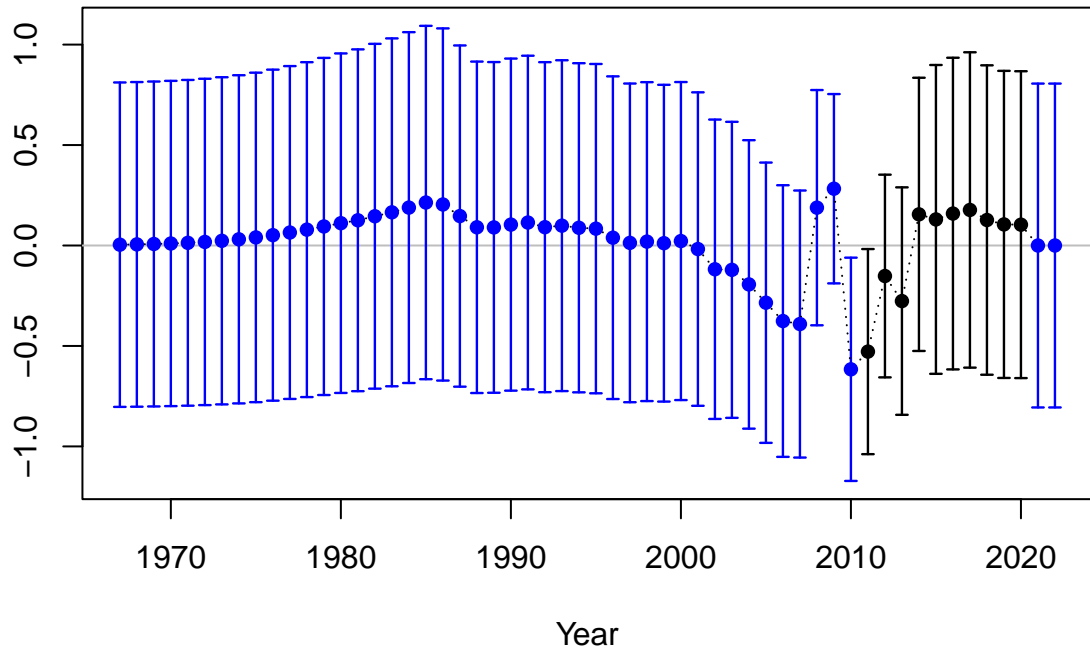




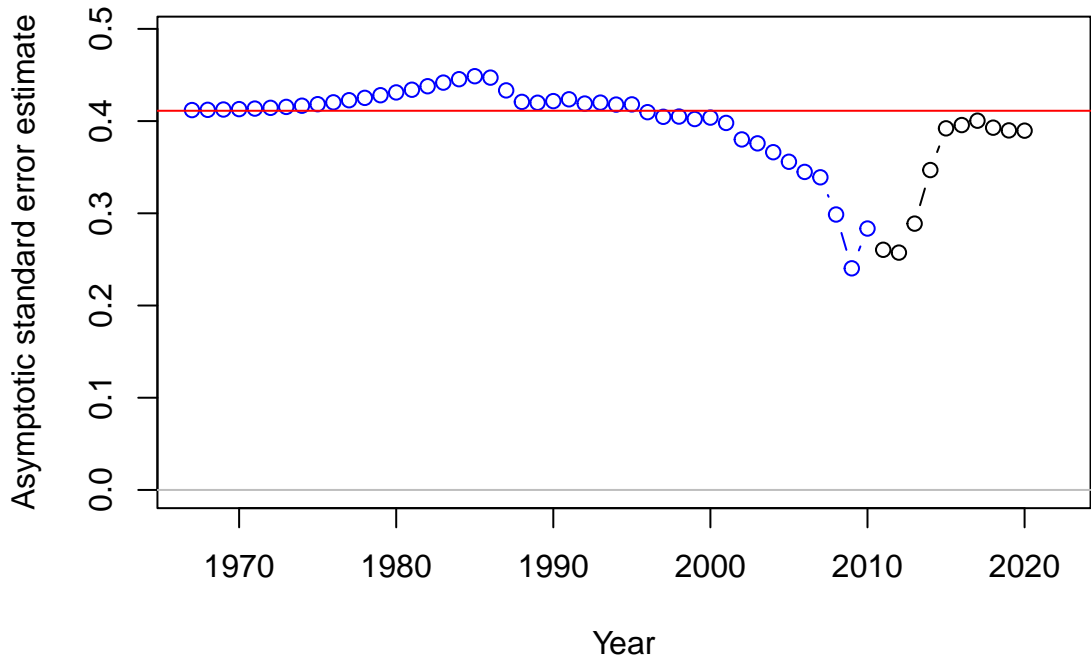
Log recruitment deviation

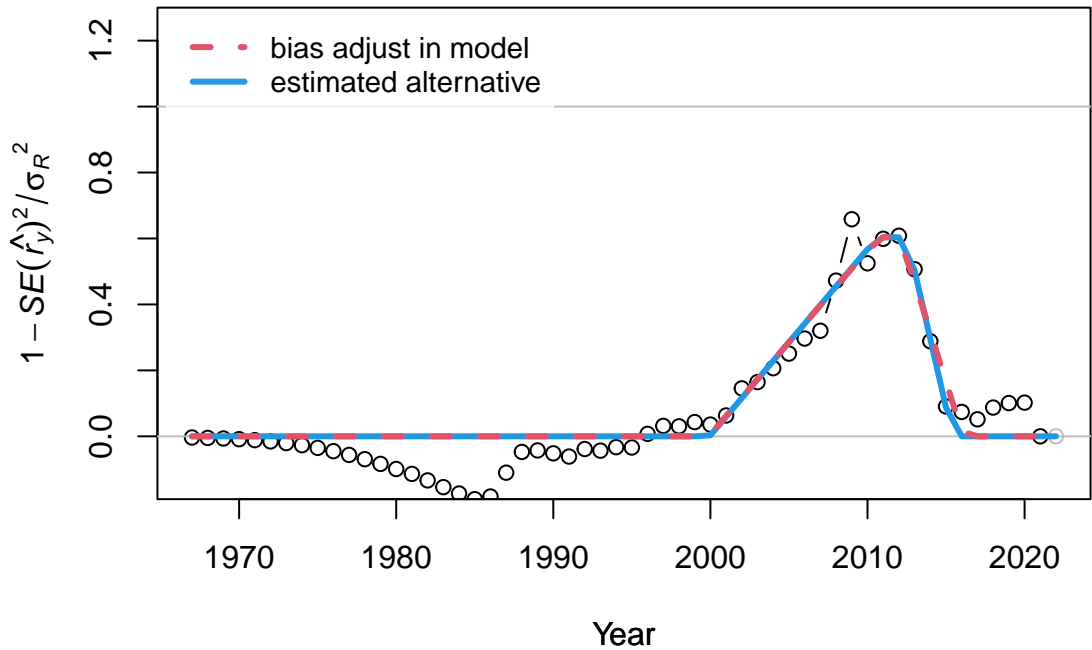


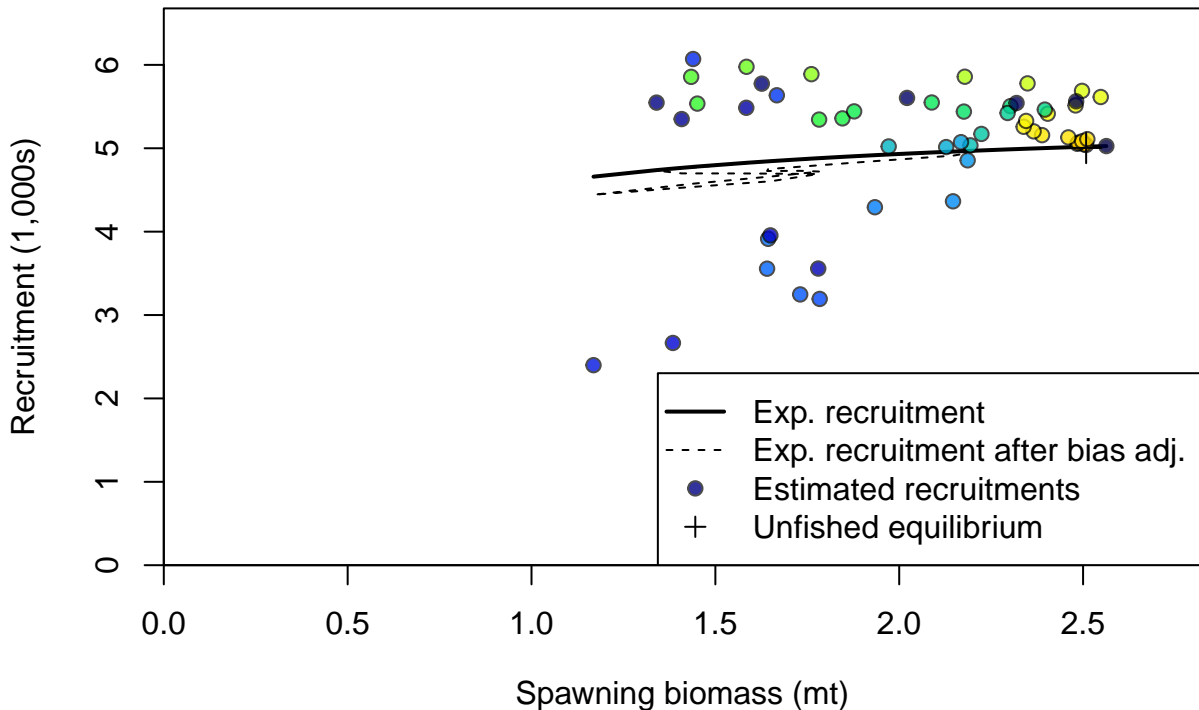
Log recruitment deviation

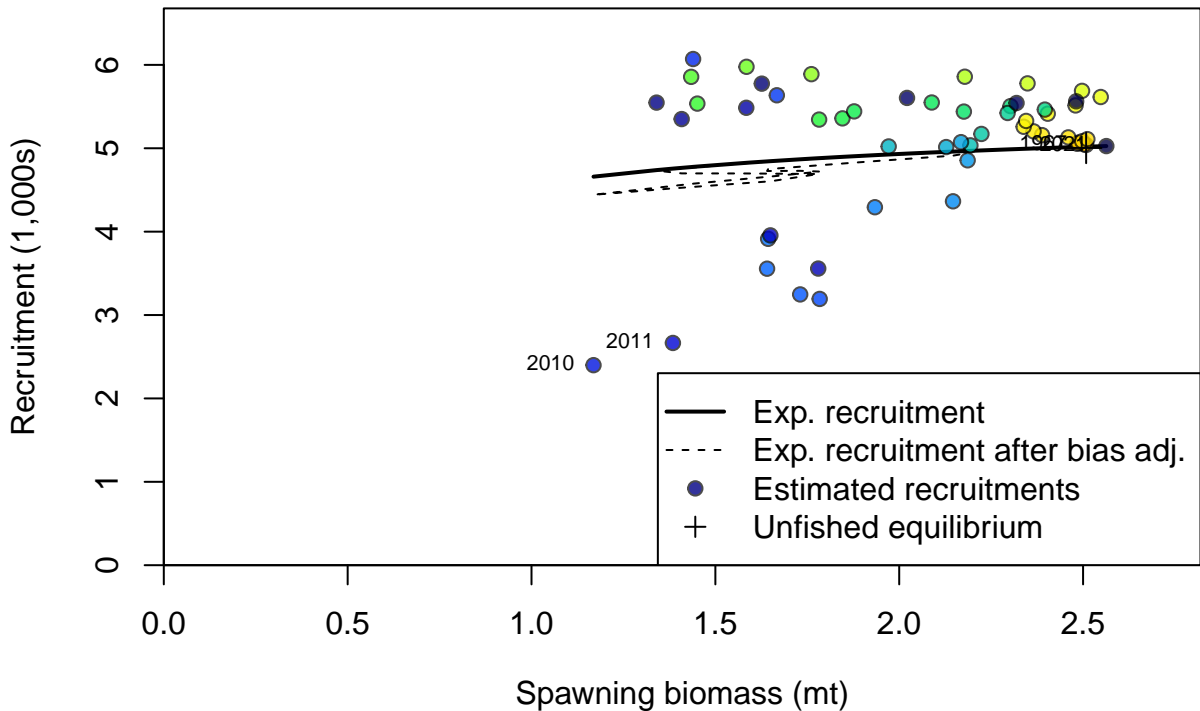


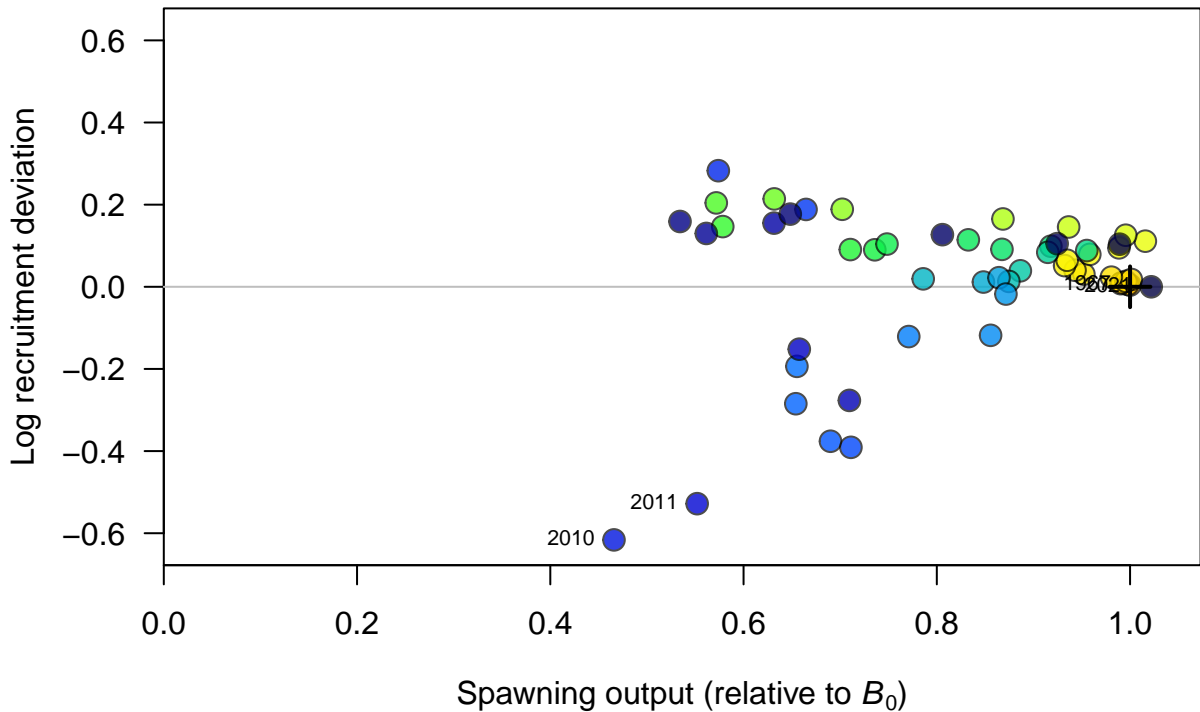
Recruitment deviation variance

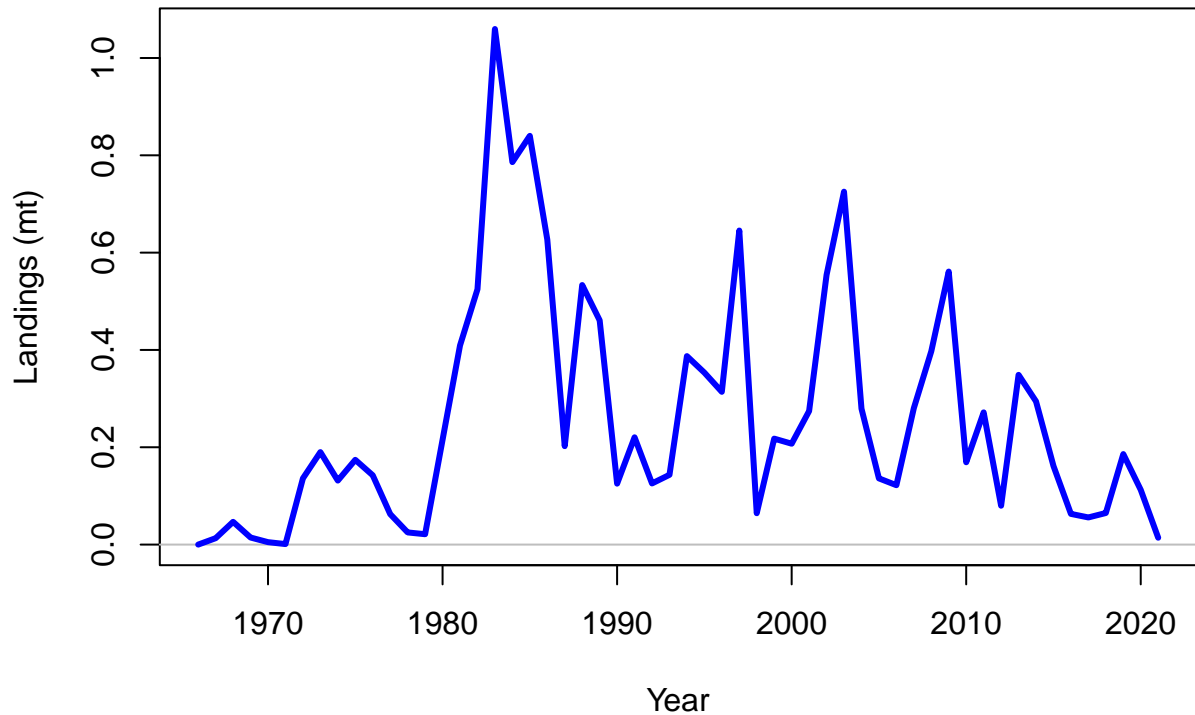


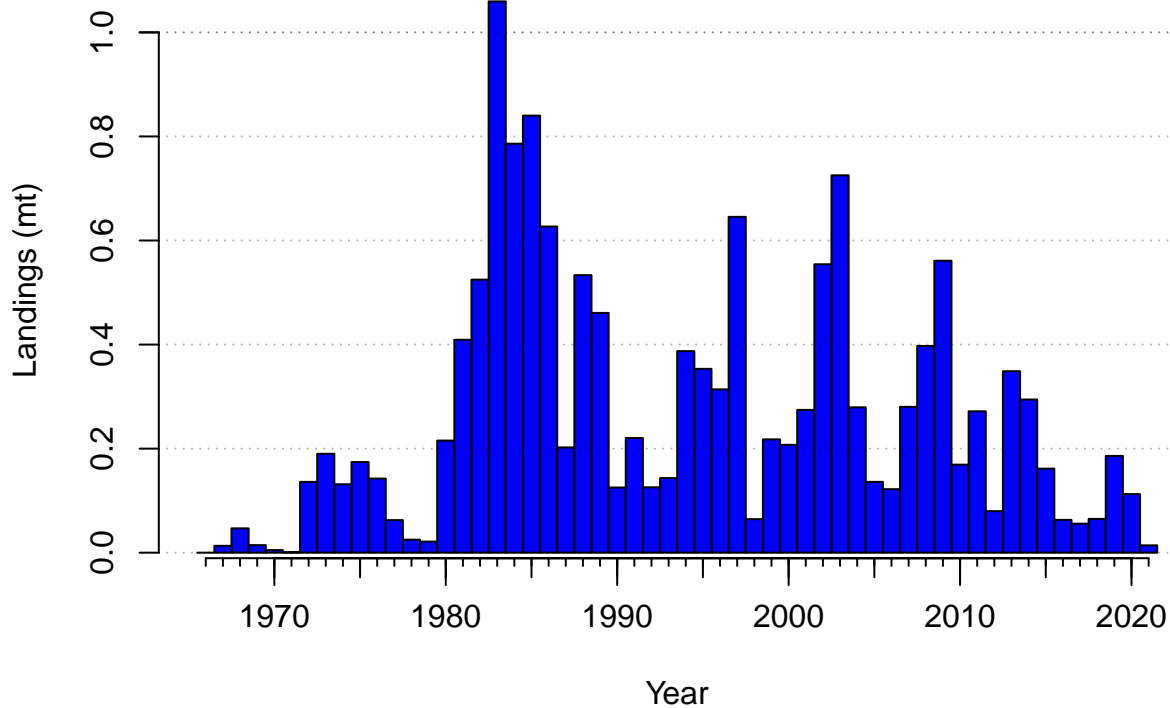


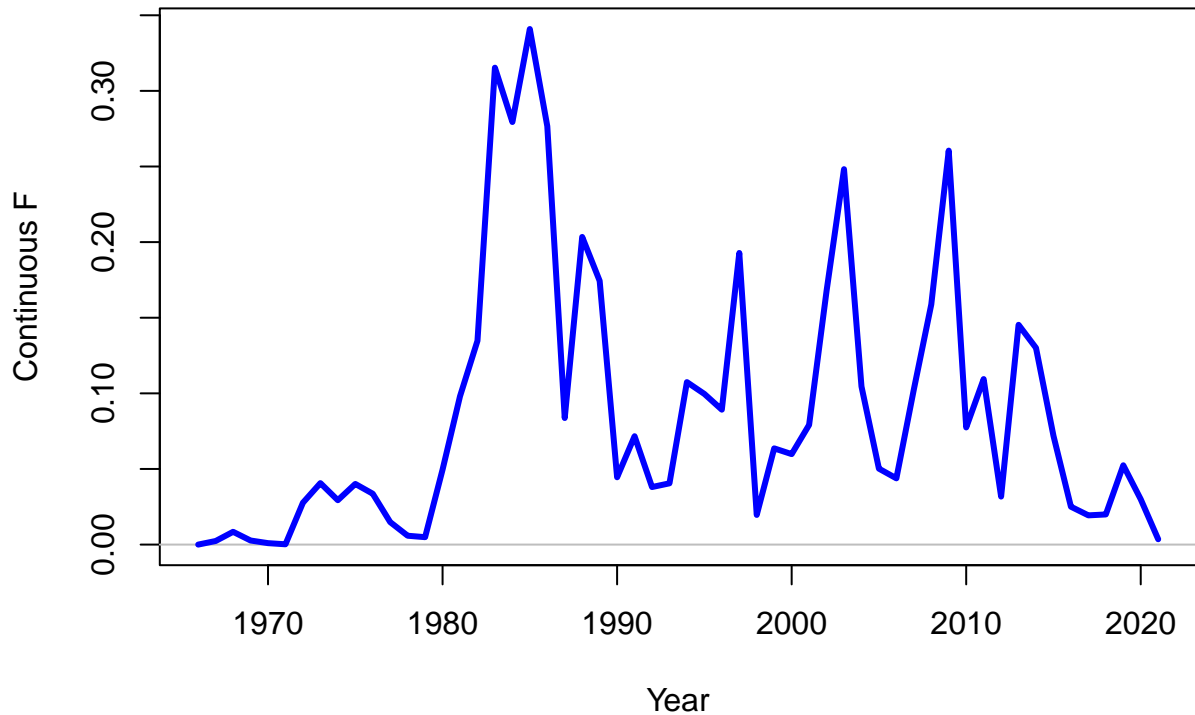




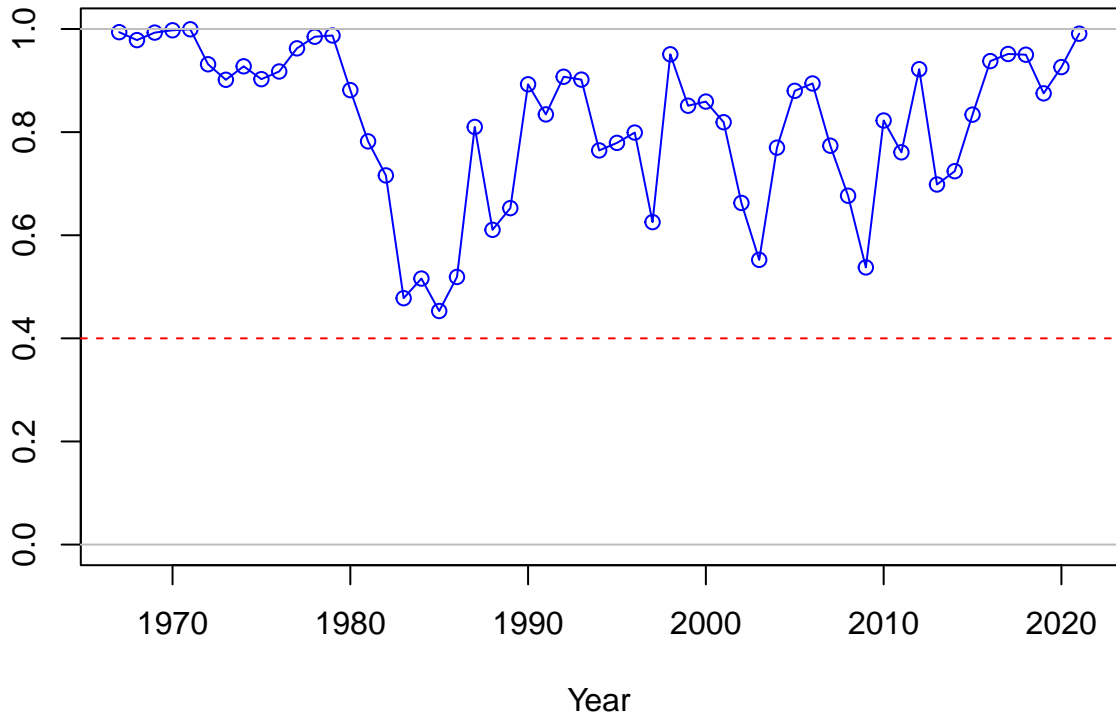




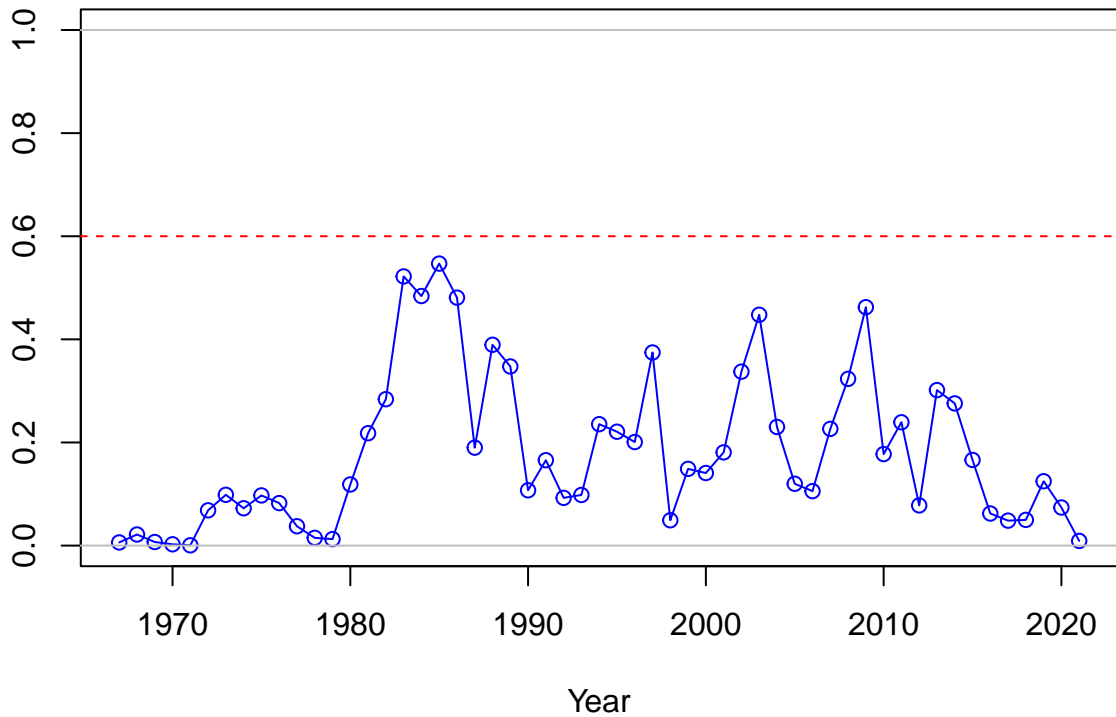




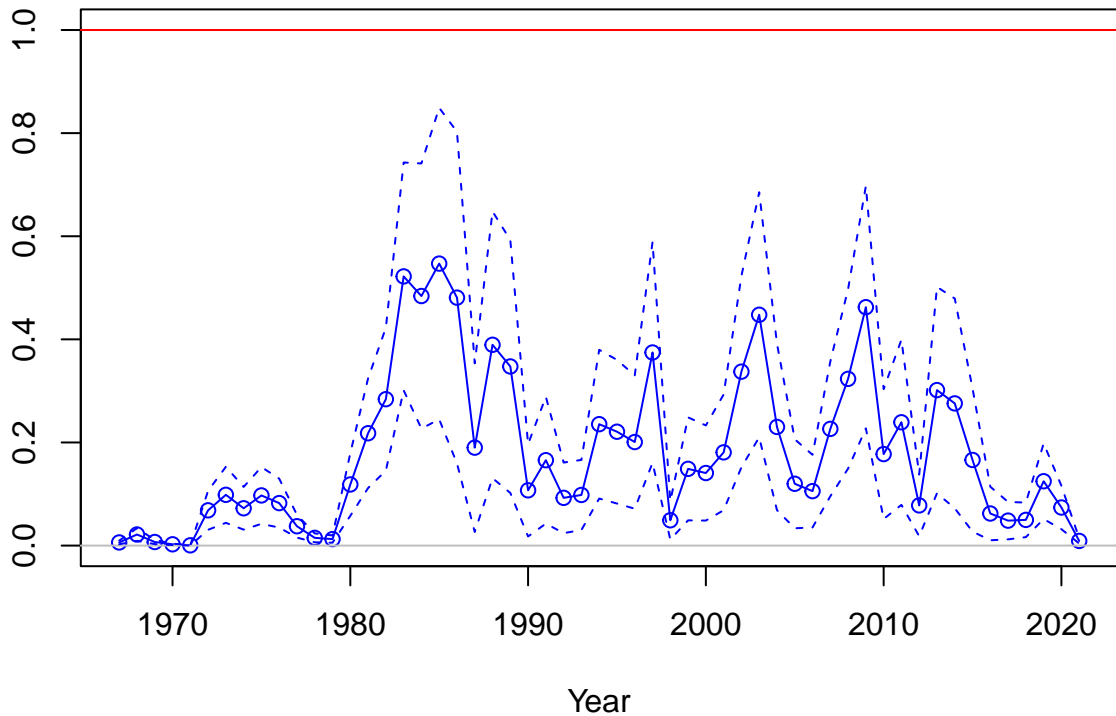
SPR



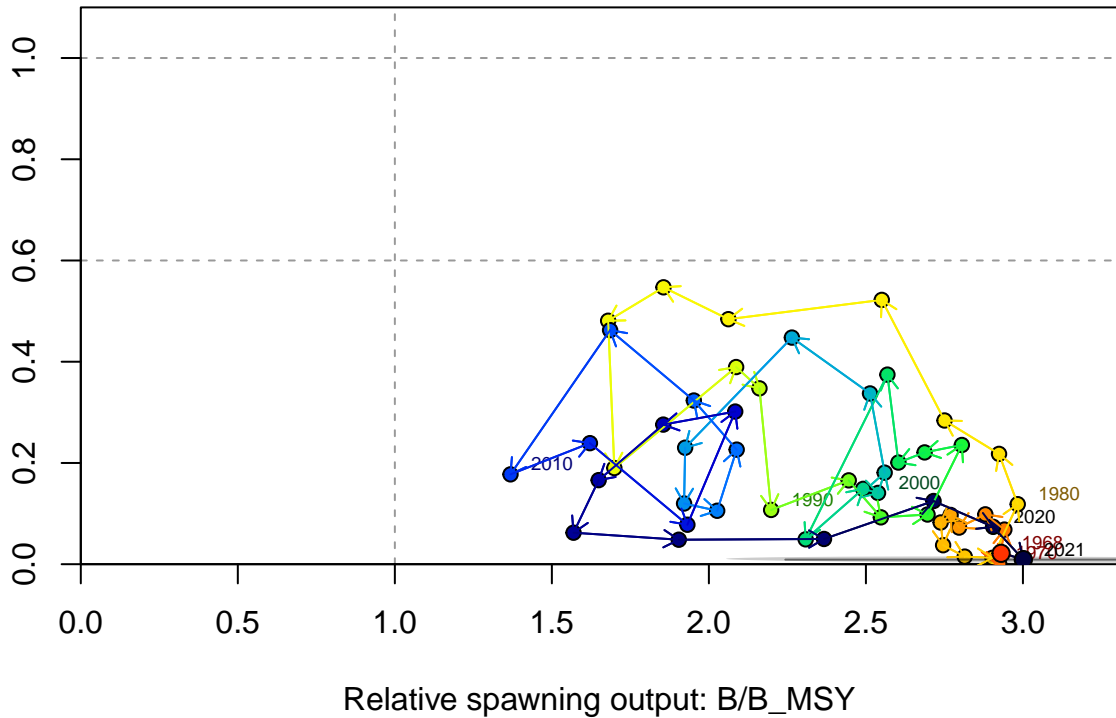
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR



Index

7
6
5
4
3
2
1
0

1990

1995

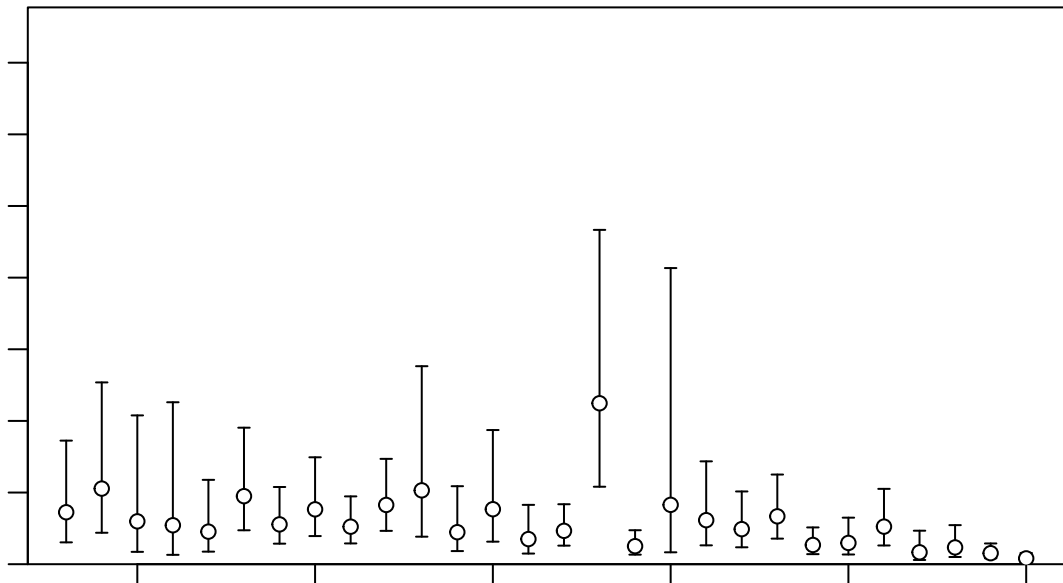
2000

2005

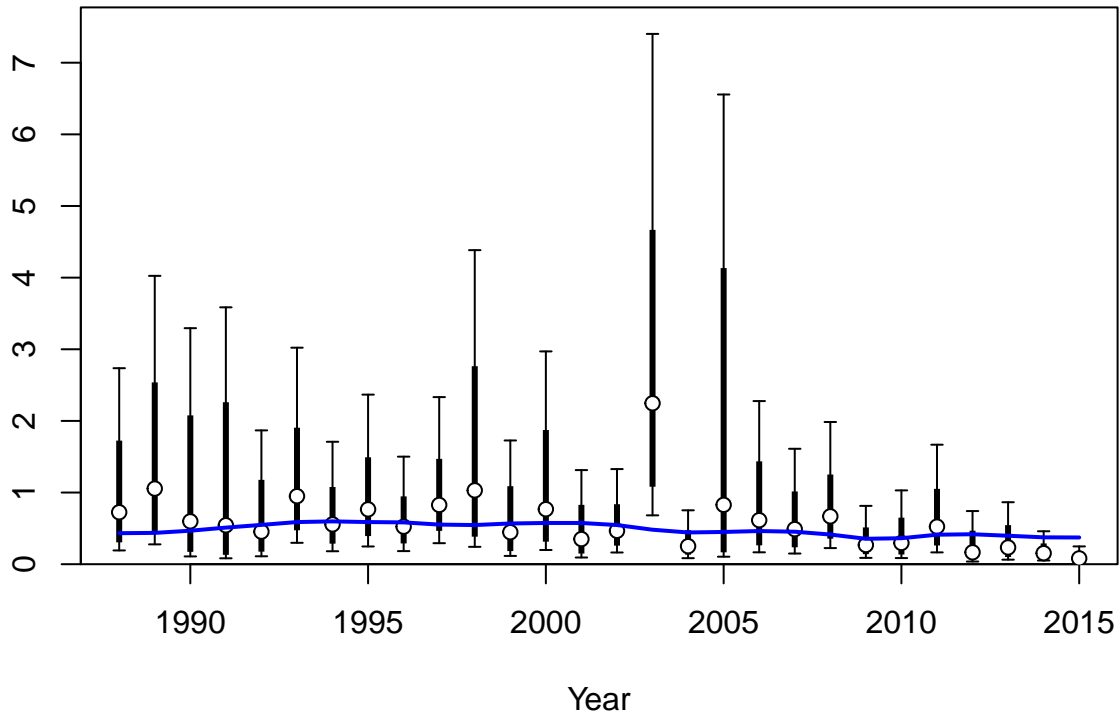
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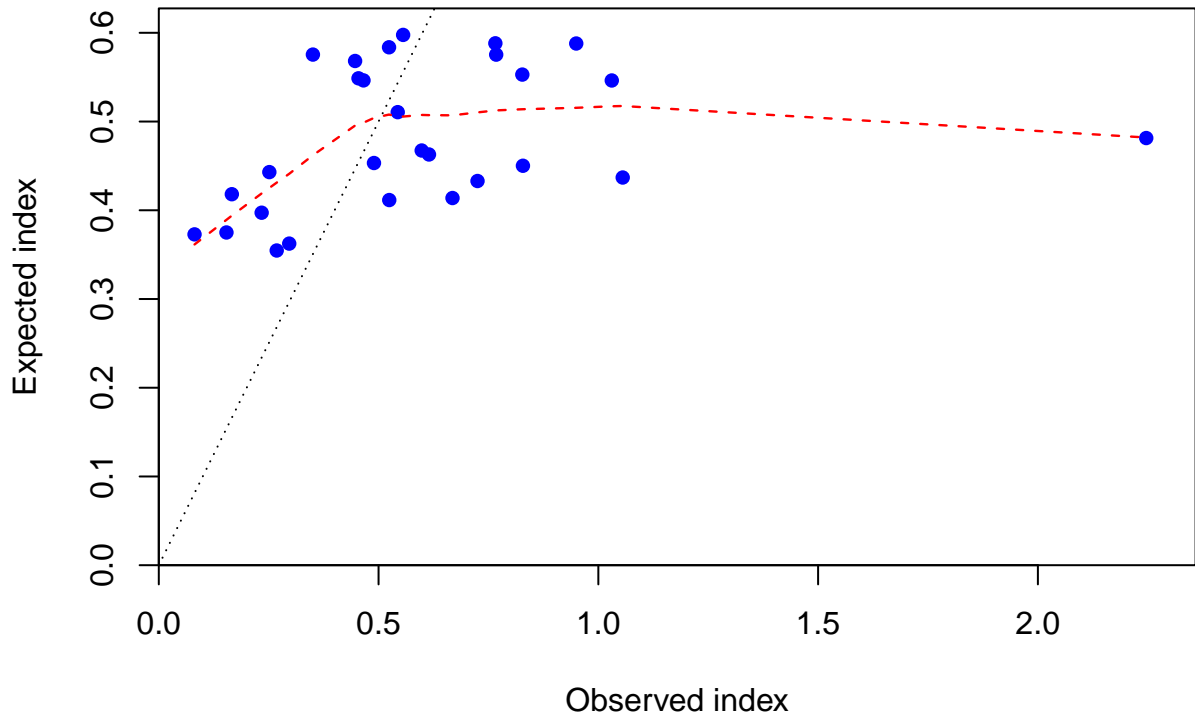
2015

Year



Index





Log index

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-1
-2
-3

1990

1995

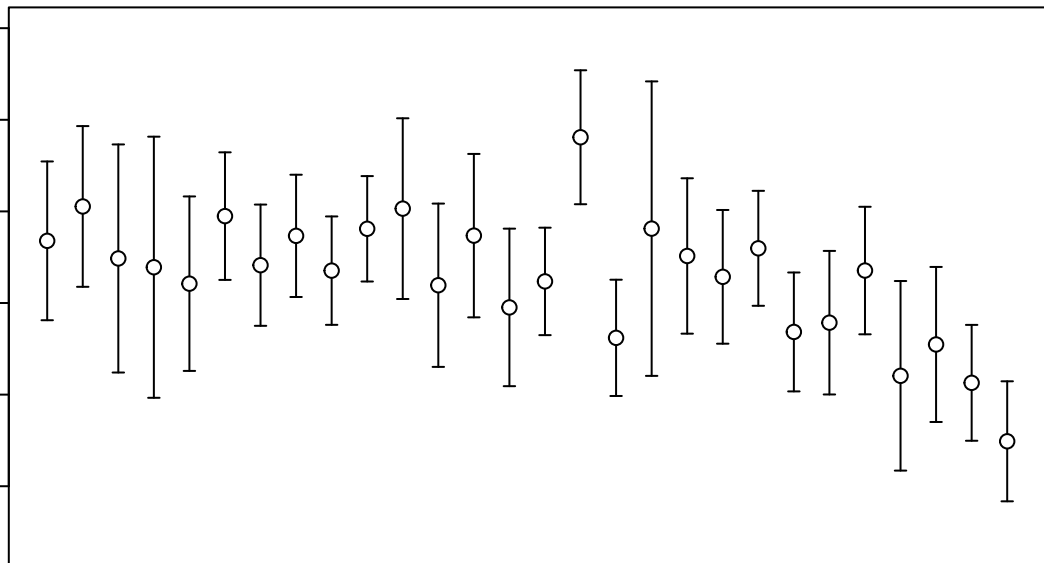
2000

2005

2010

2015

Year



Log index

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-1
-2
-3

1990

1995

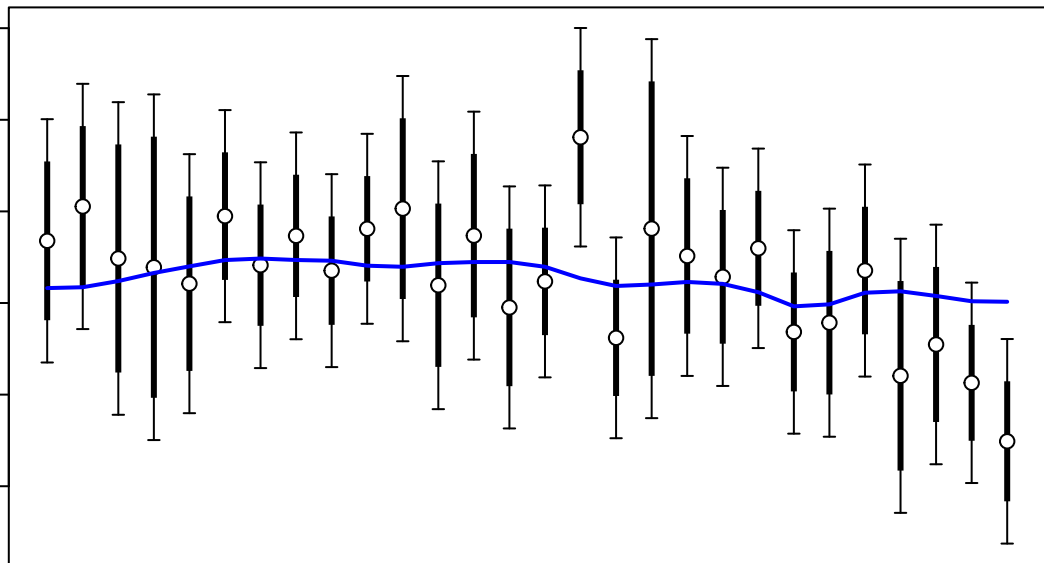
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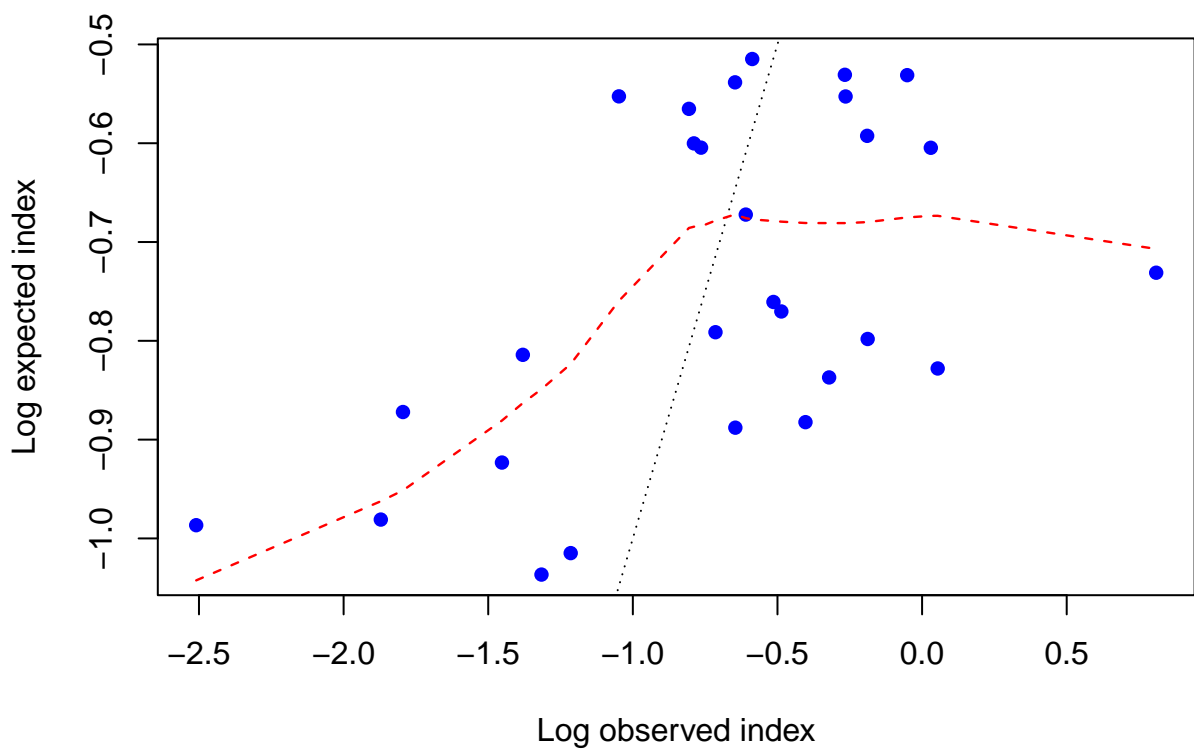
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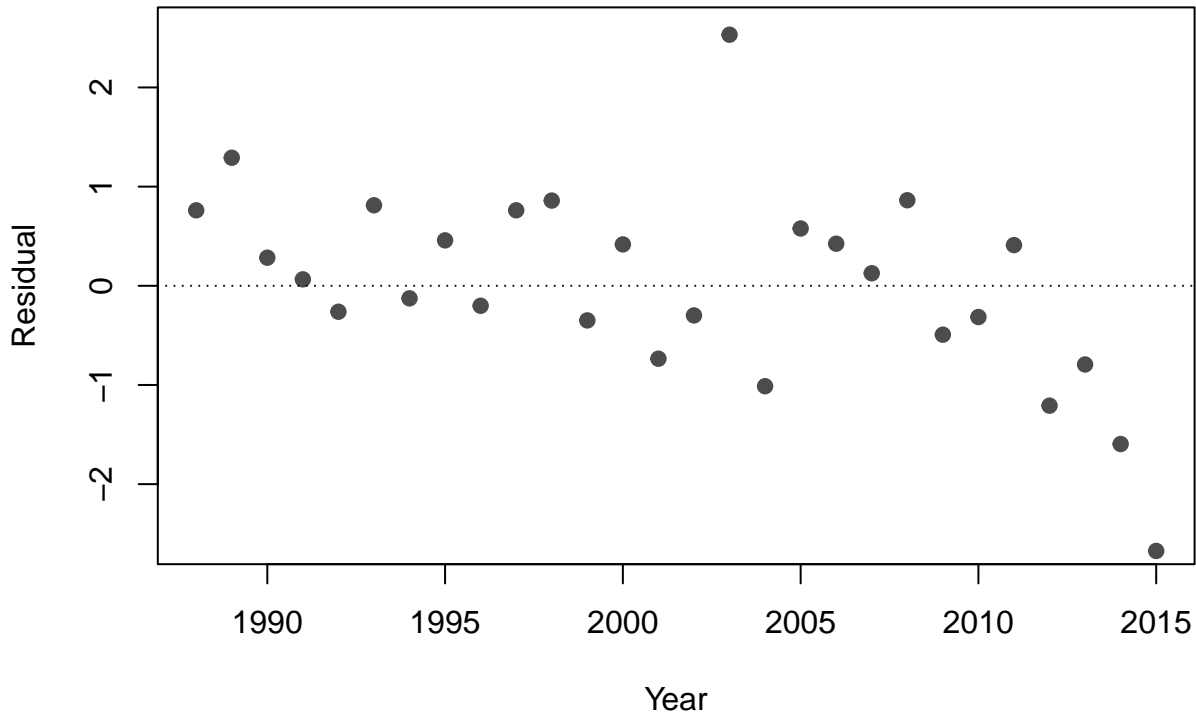
2010

2015

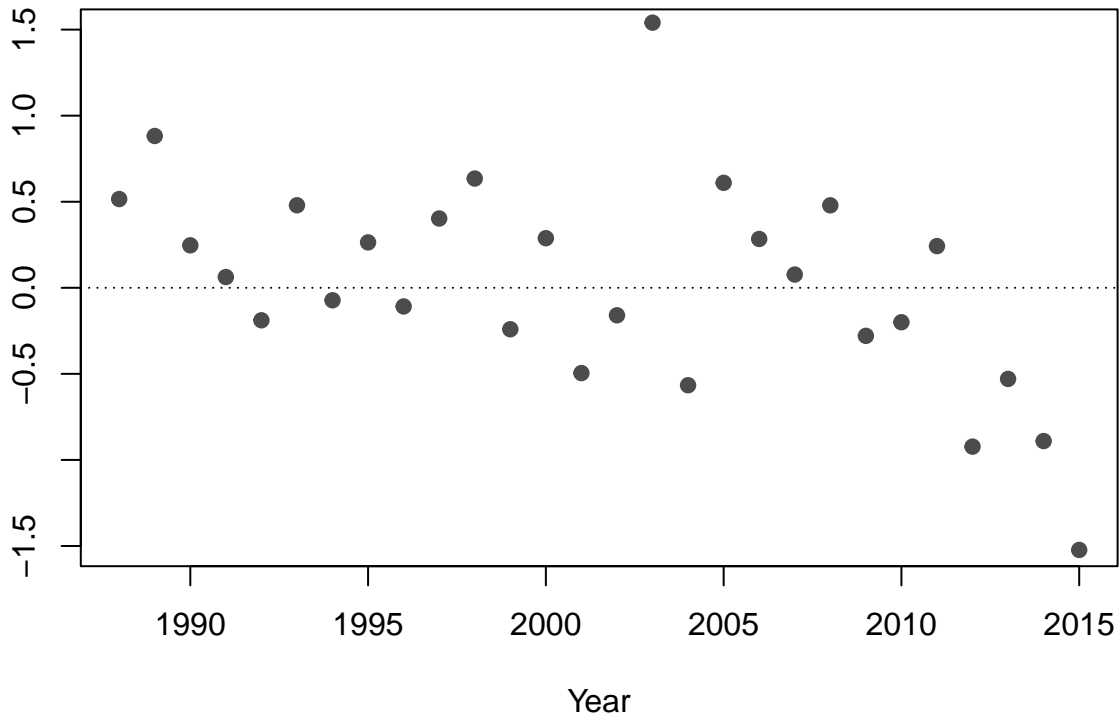
Year



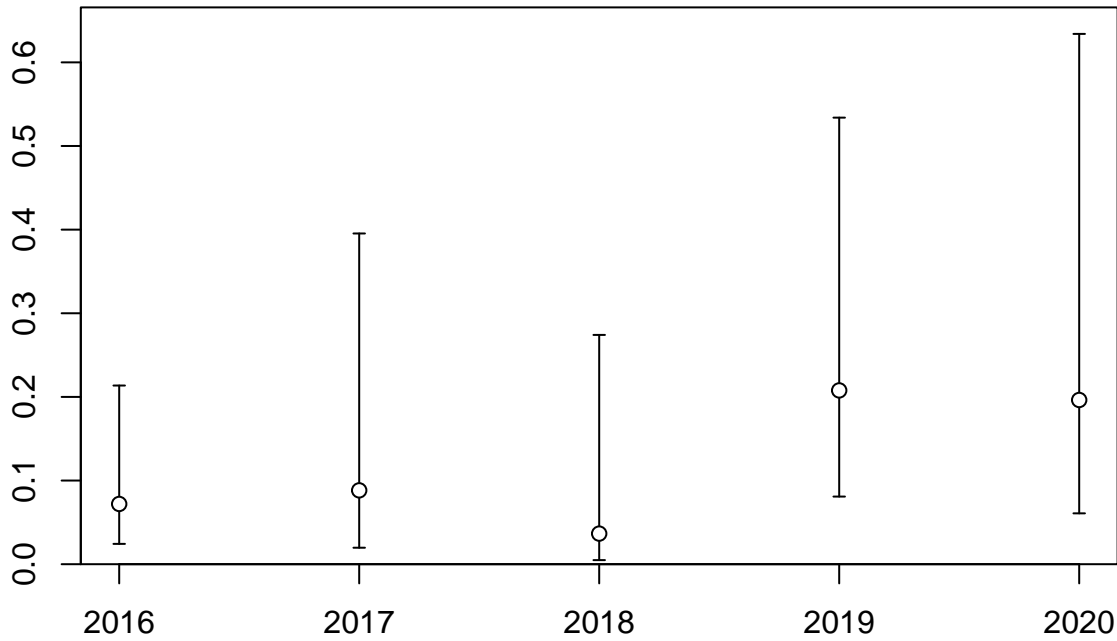




Deviation

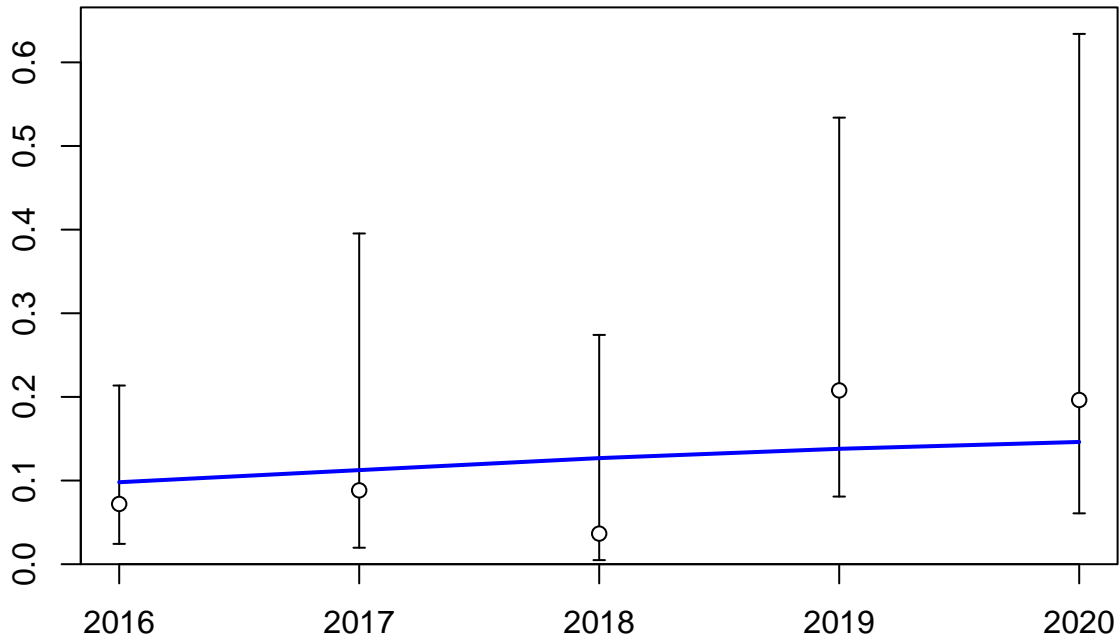


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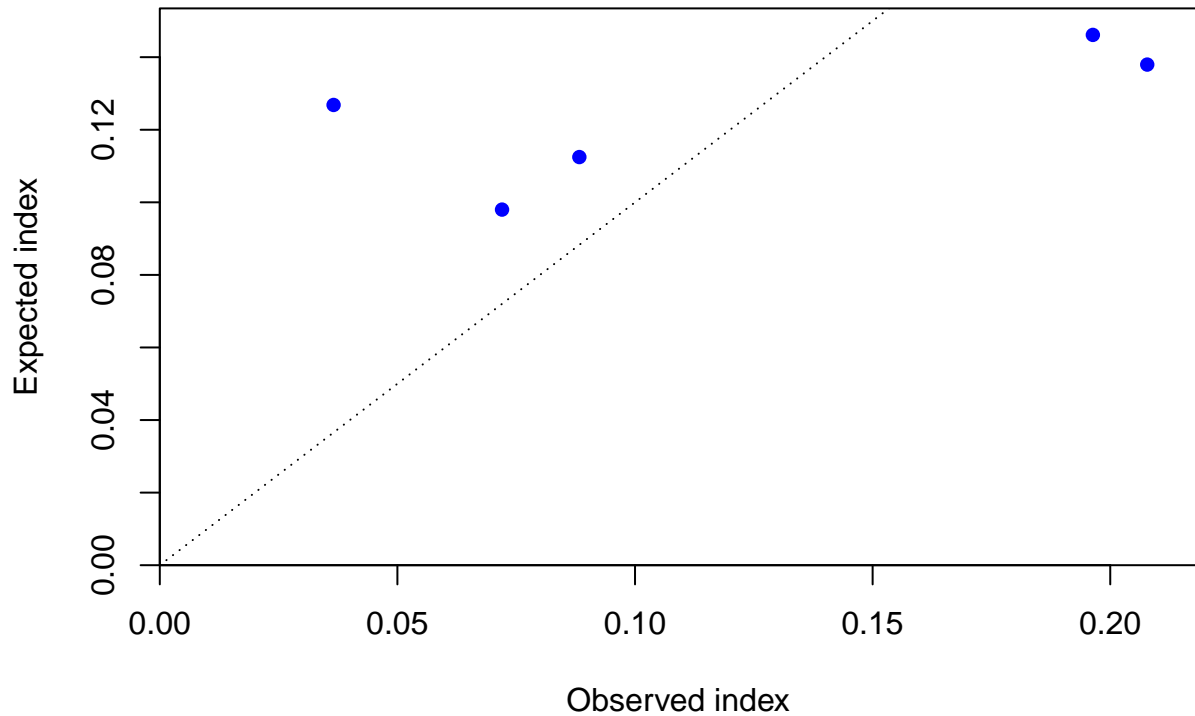


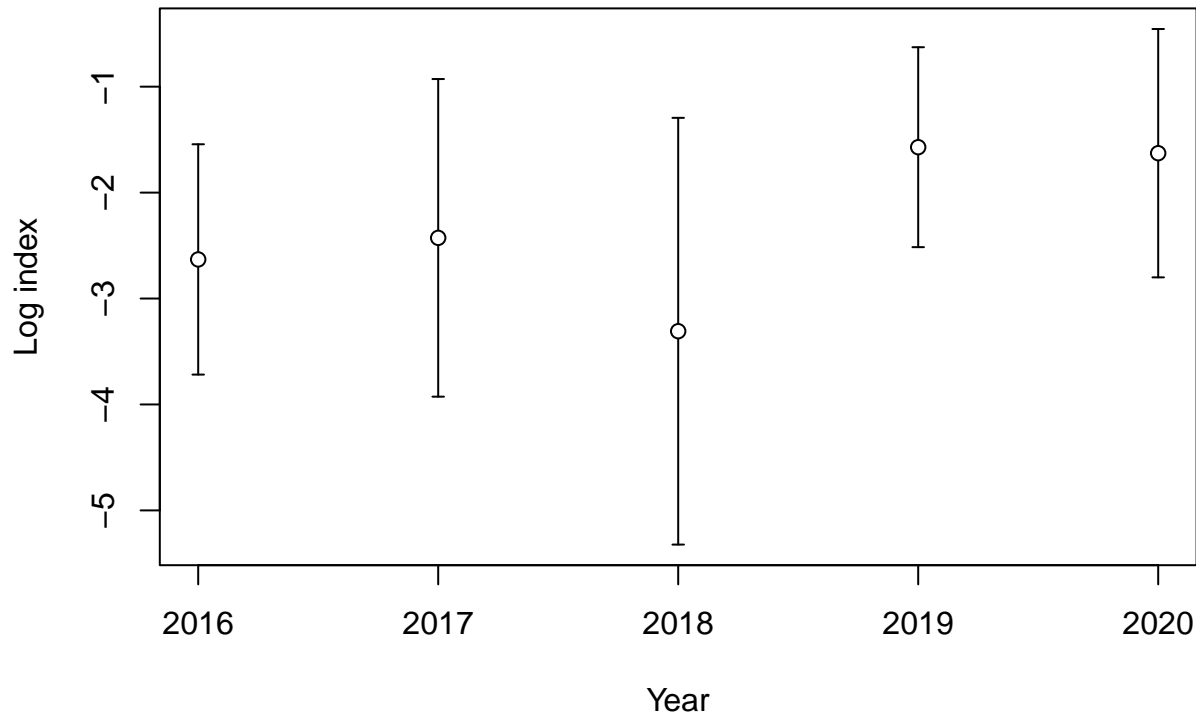
Year

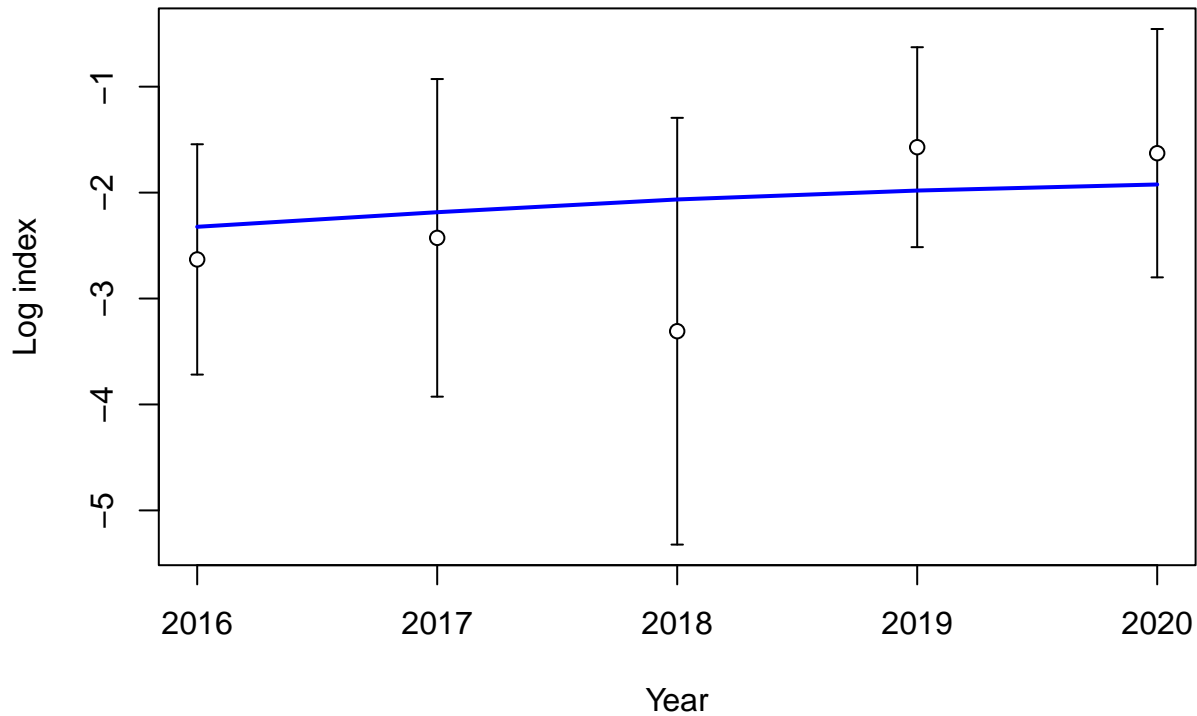
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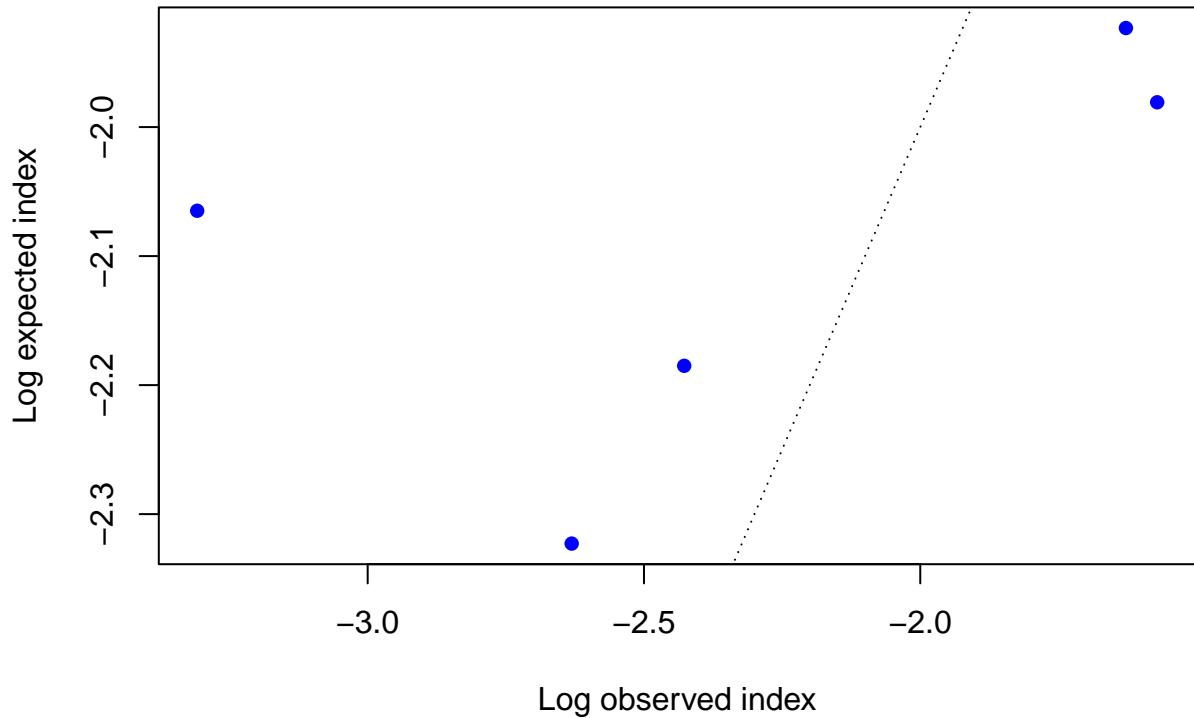


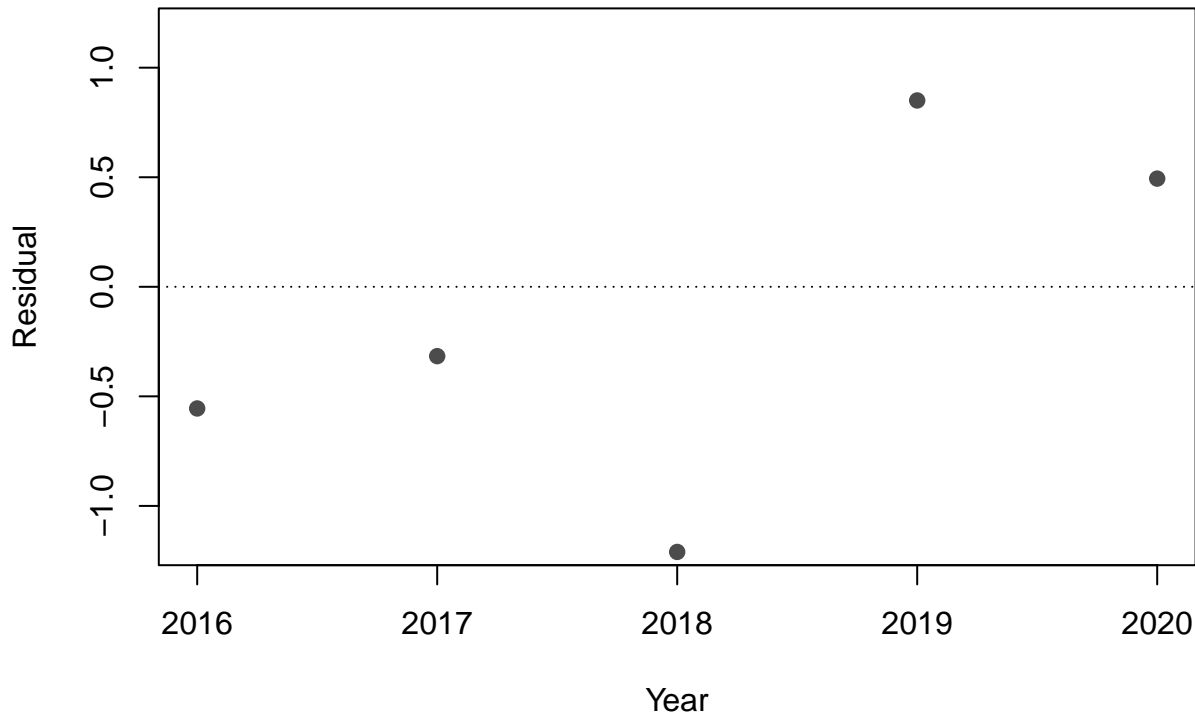
Year

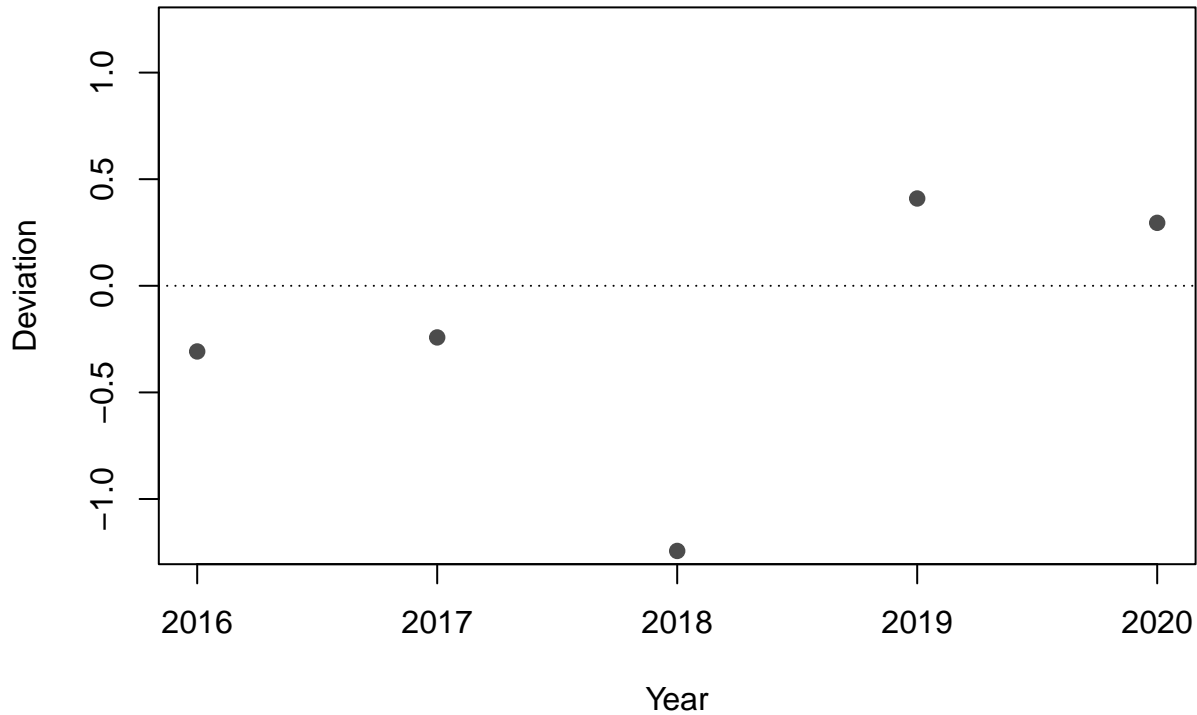


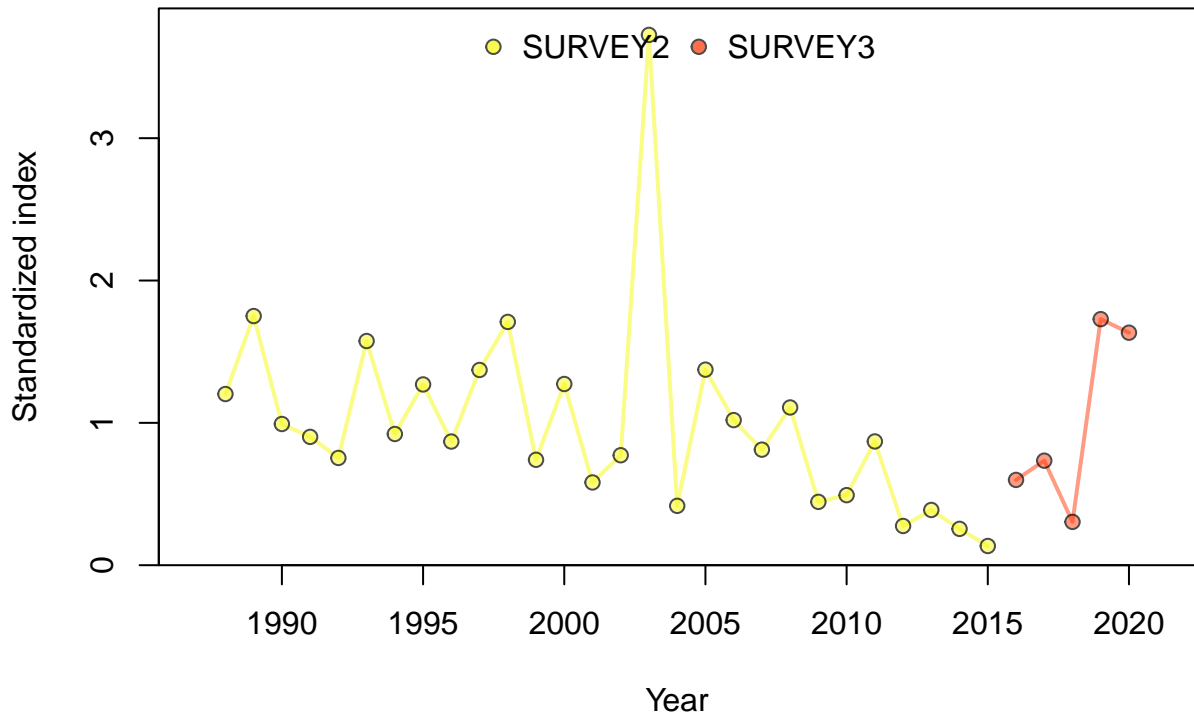




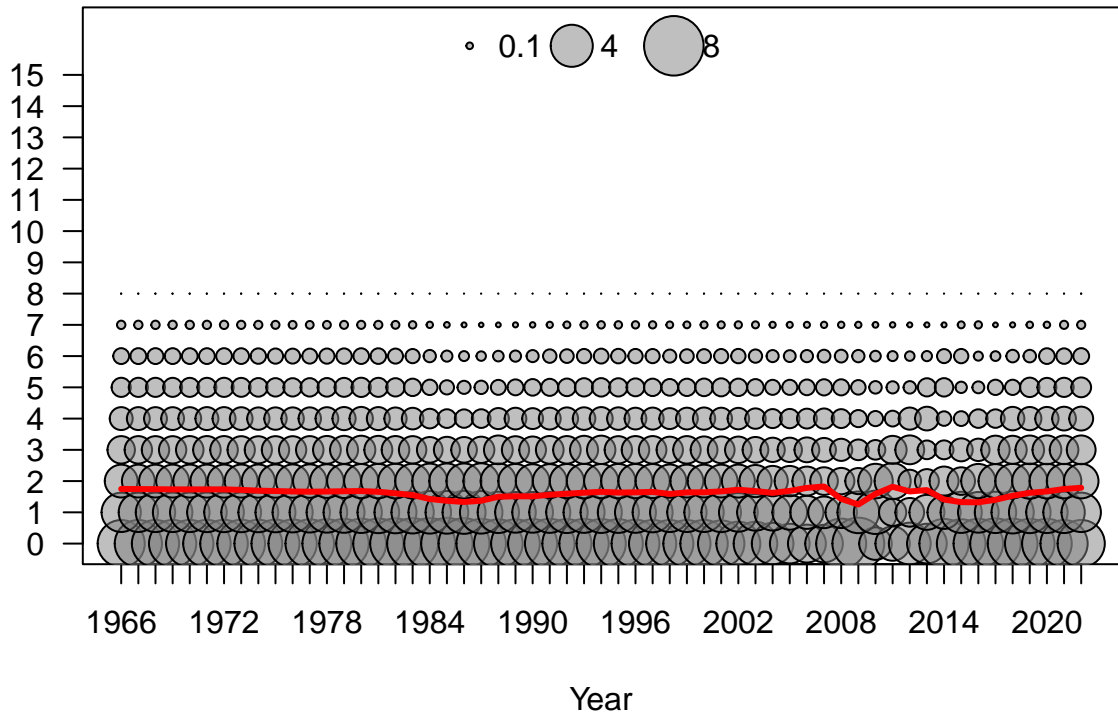


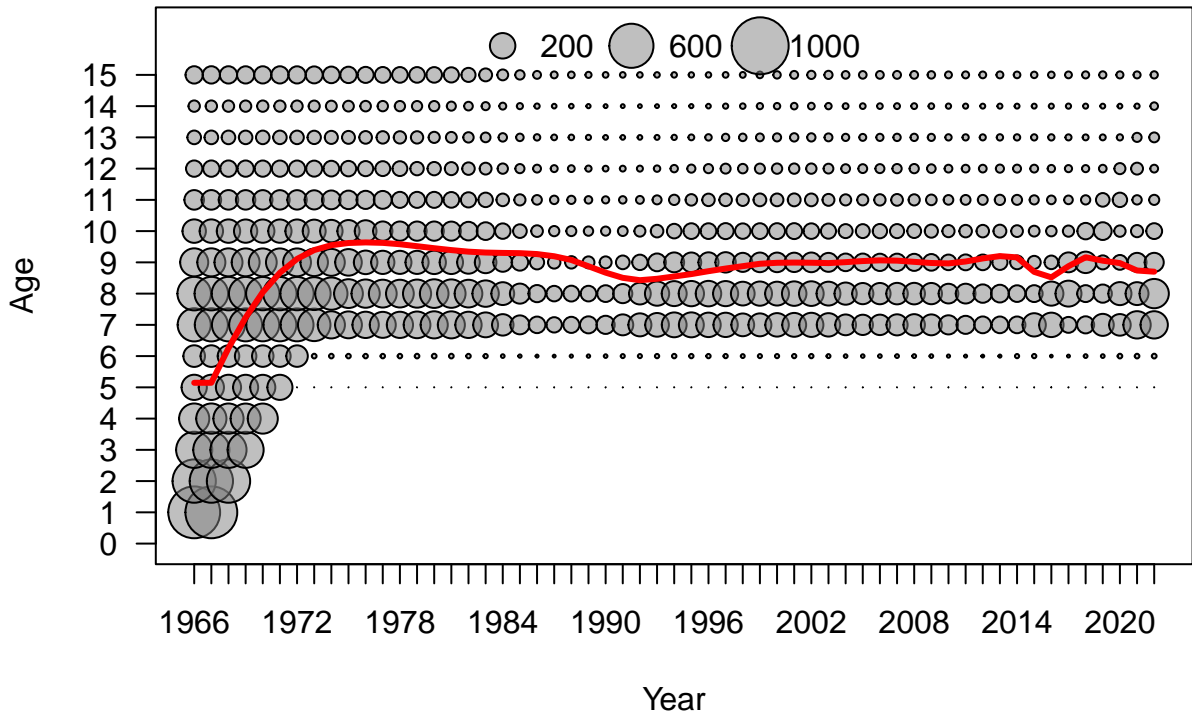


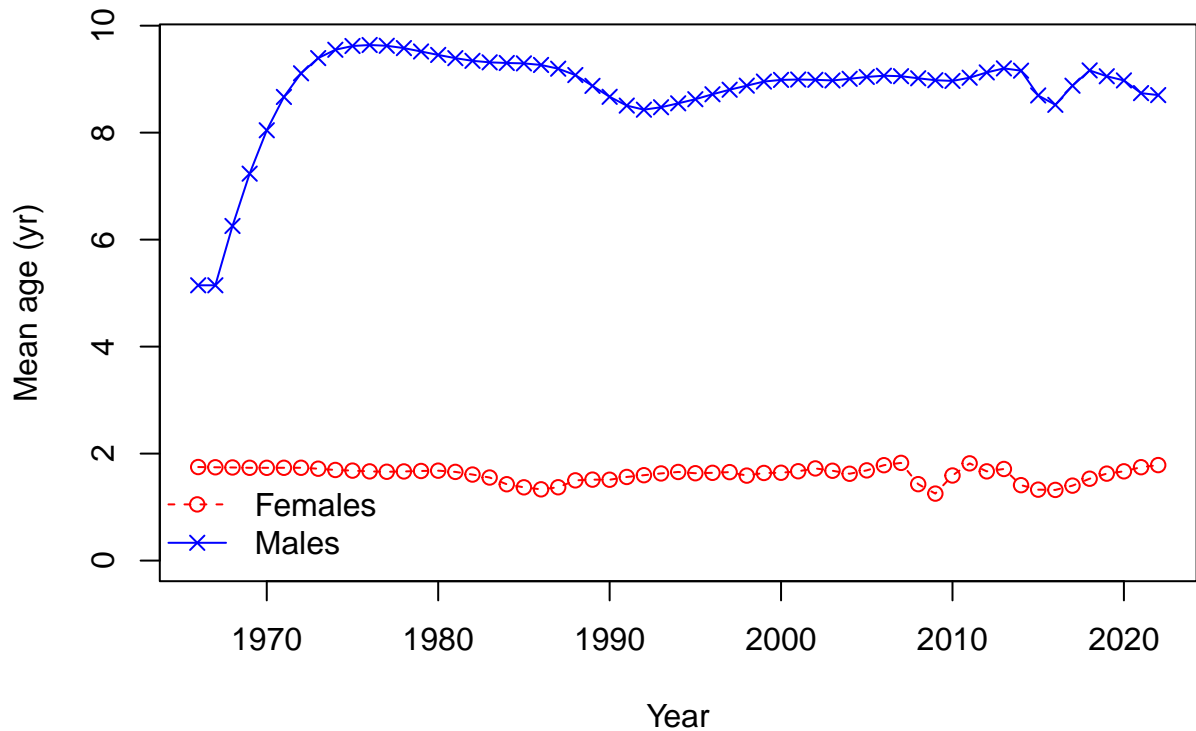




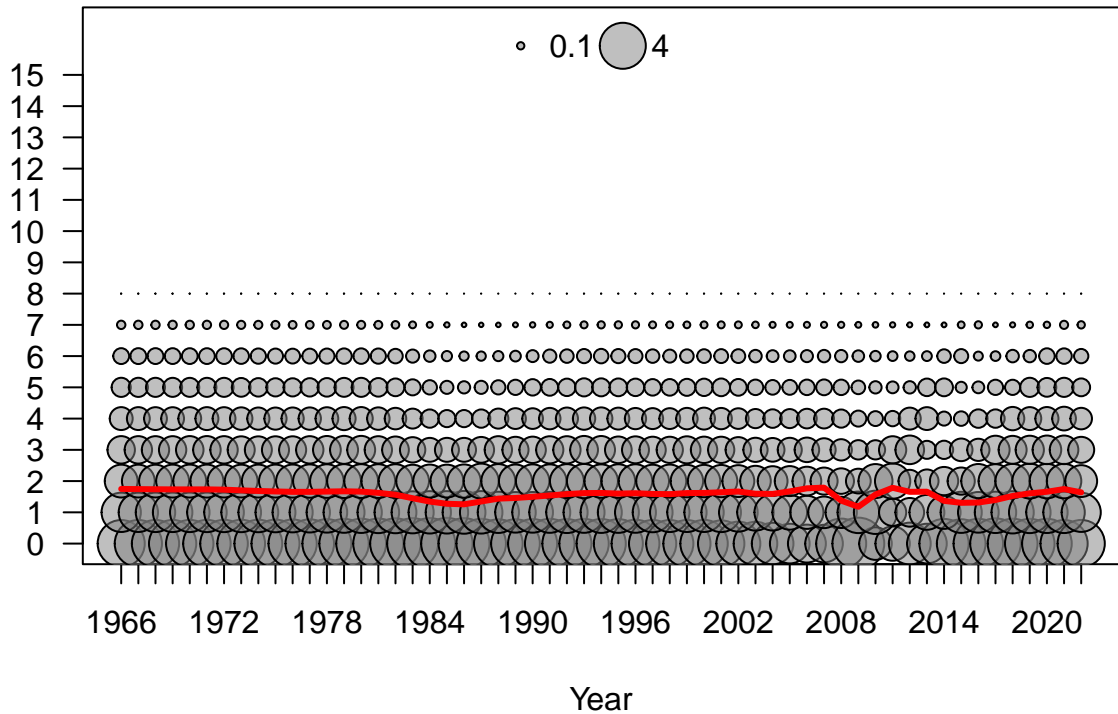
Age

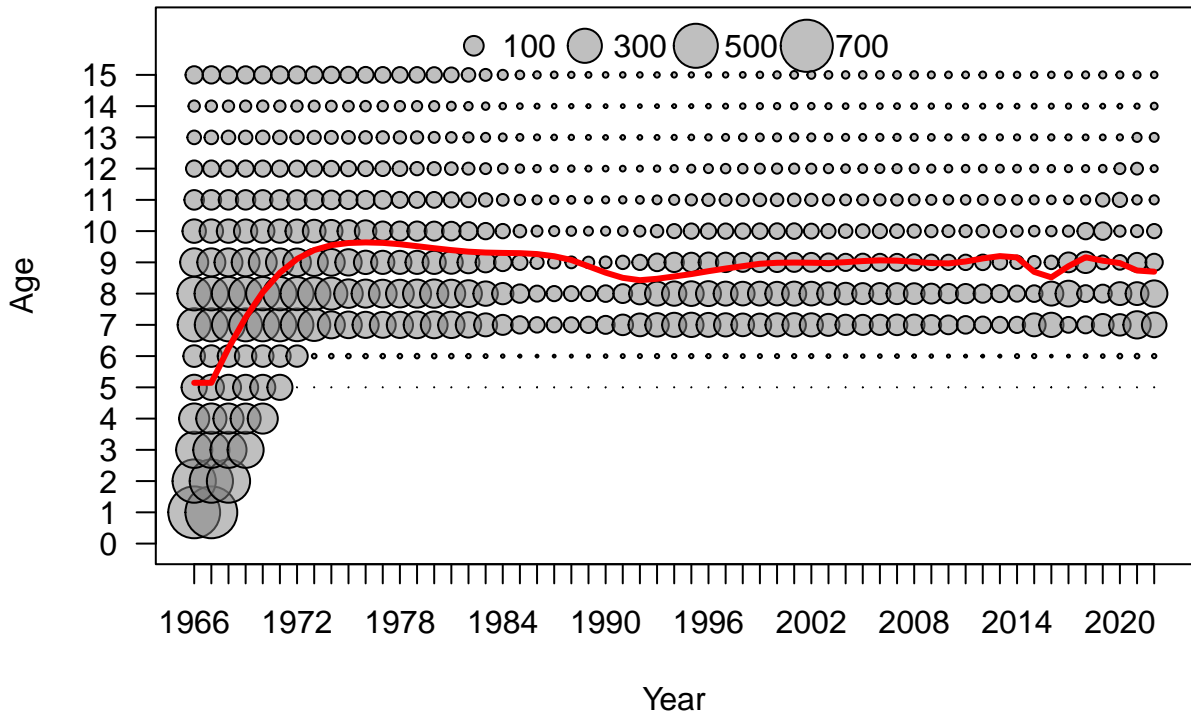


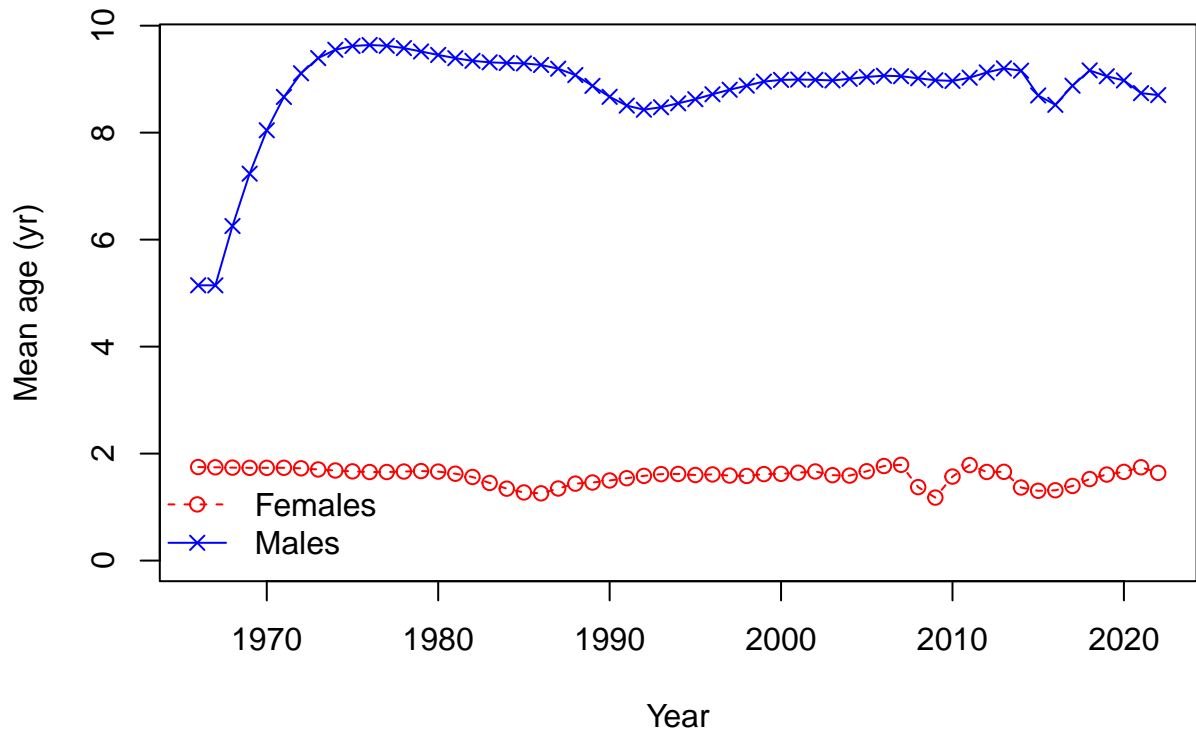




Age







Age

0
2
4
6
8
10
12
14

1970

1980

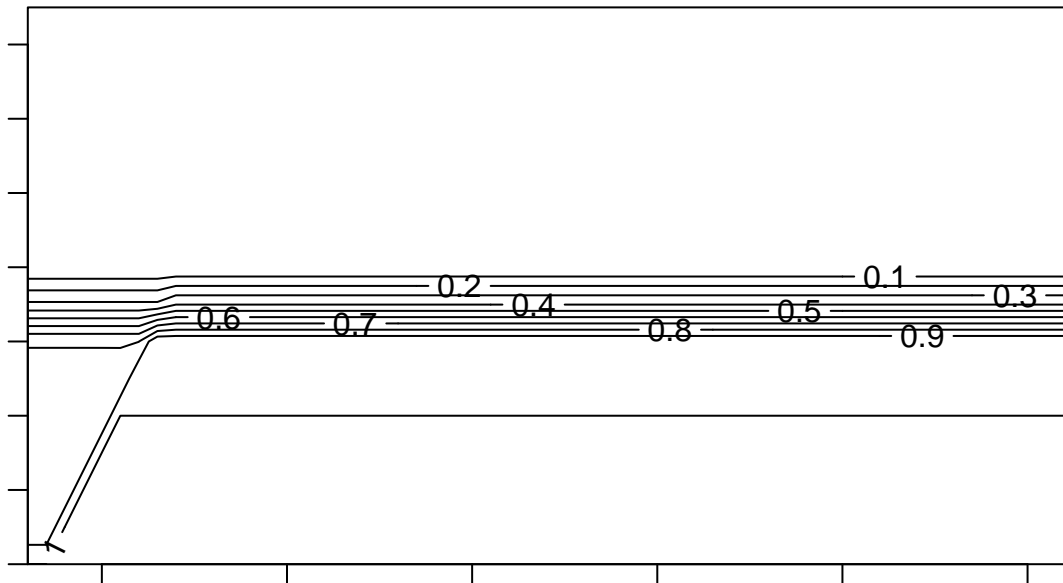
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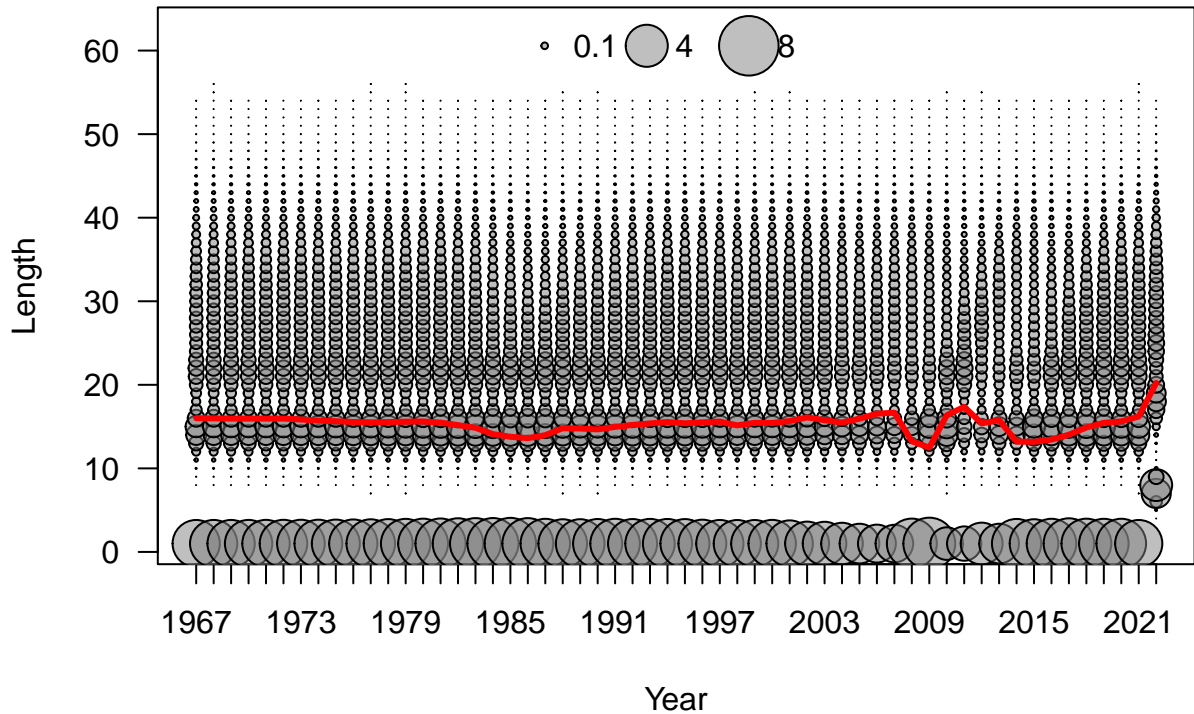
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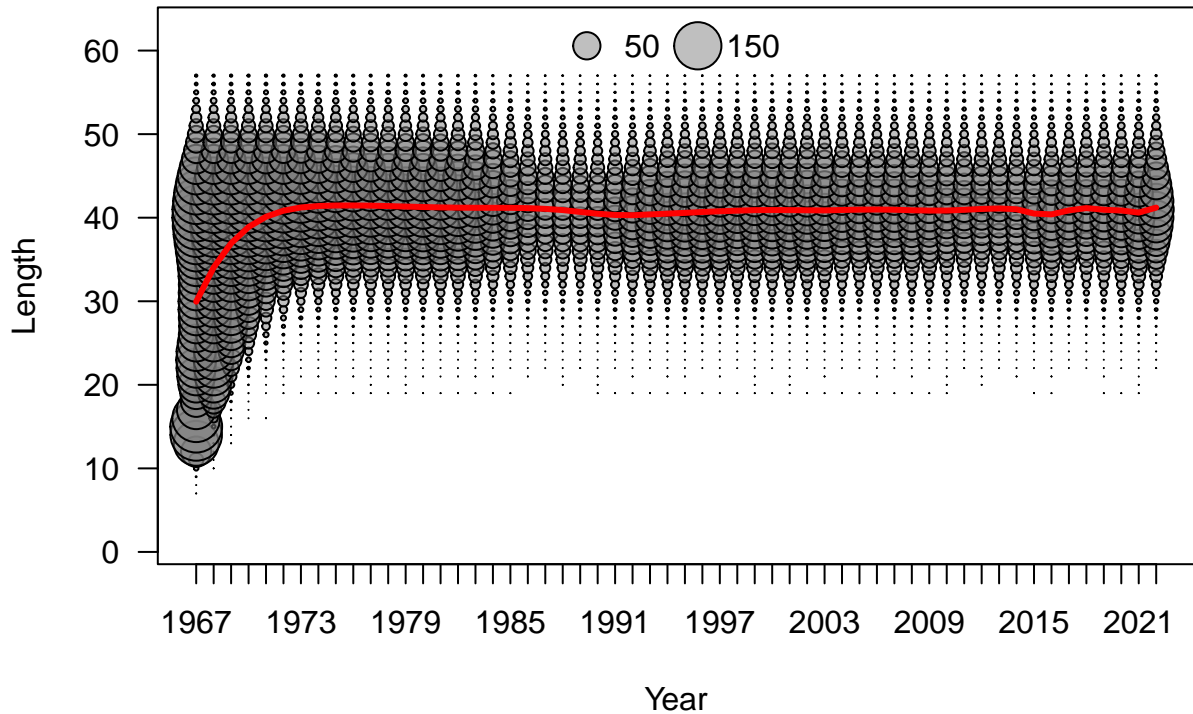
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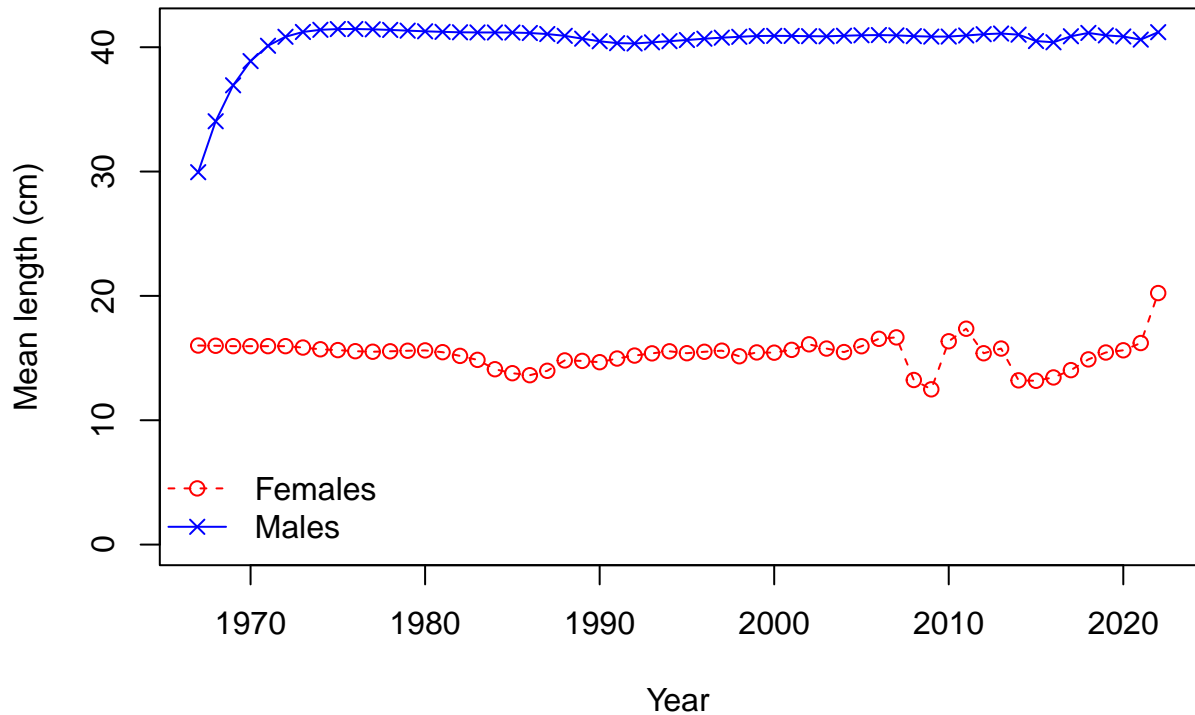
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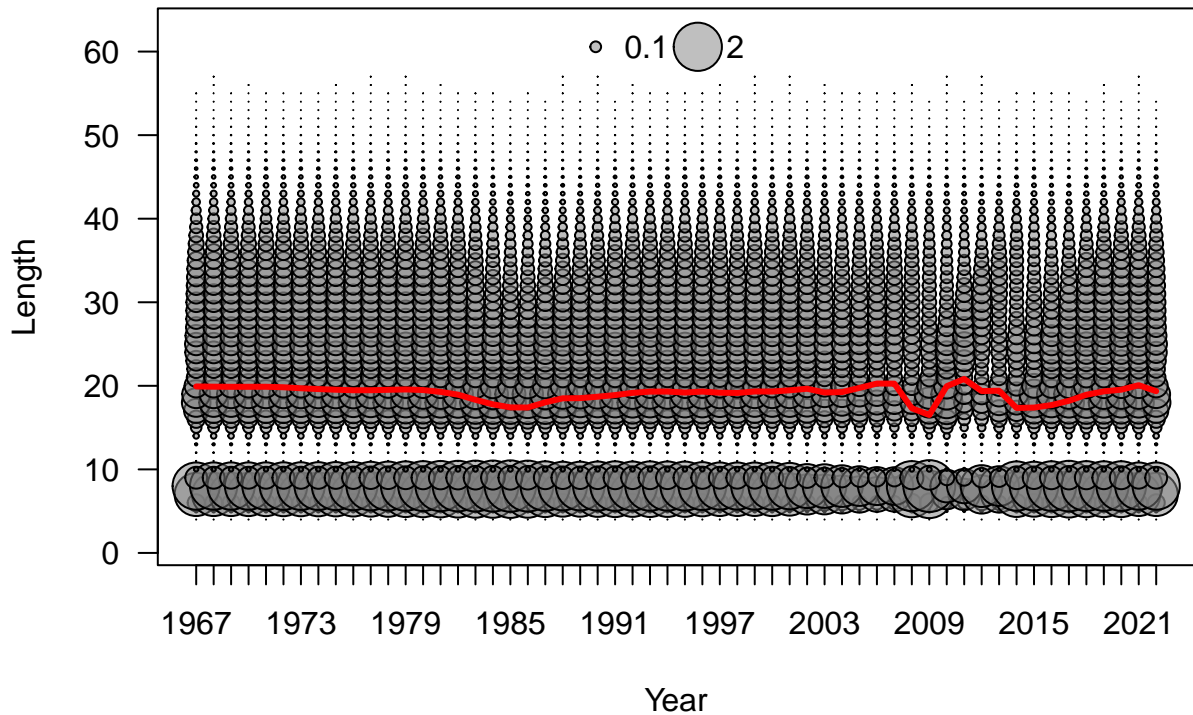
Year

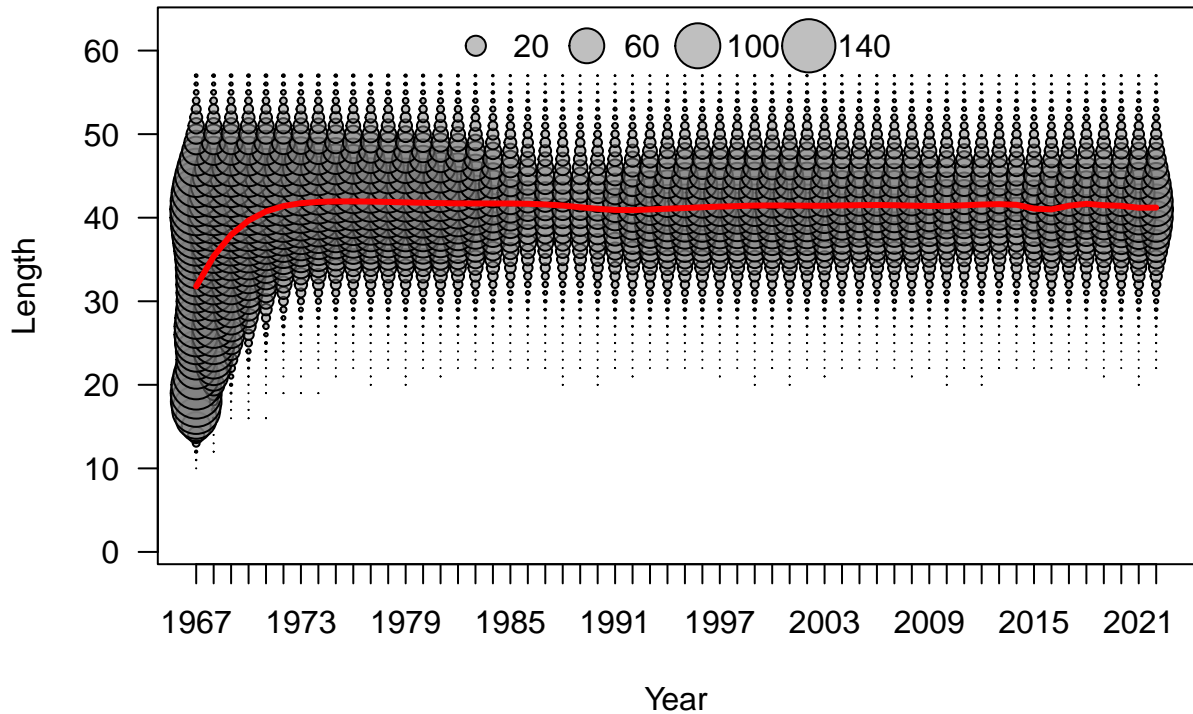


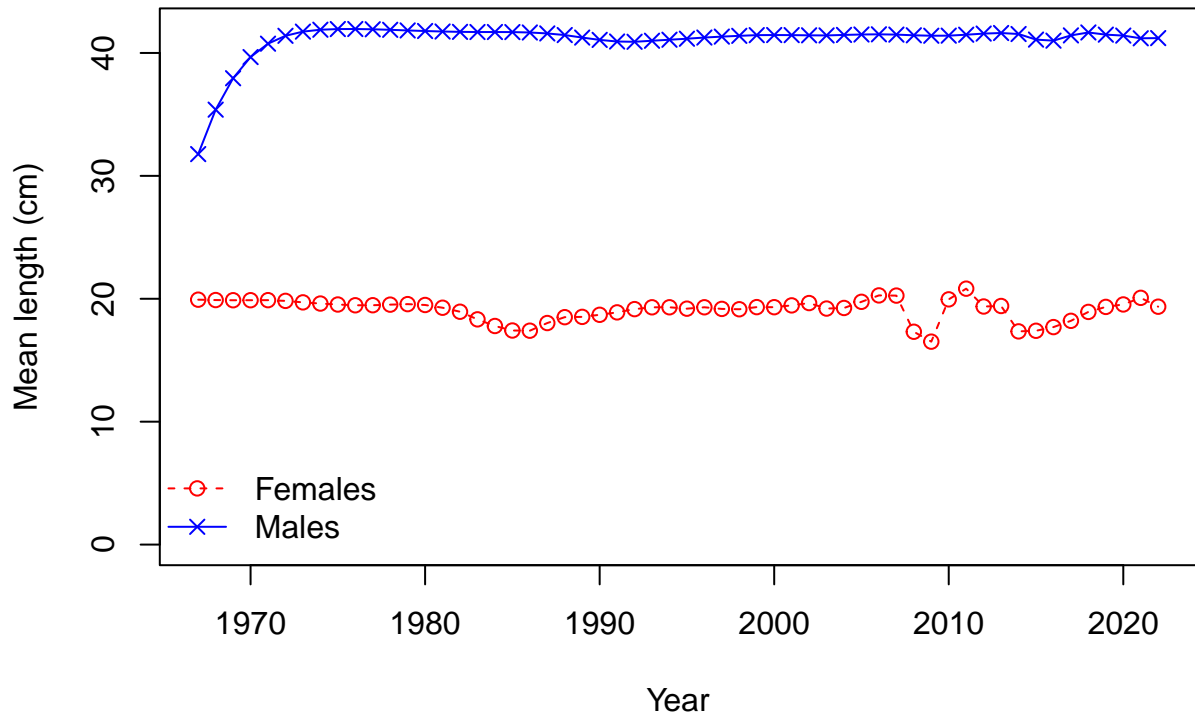




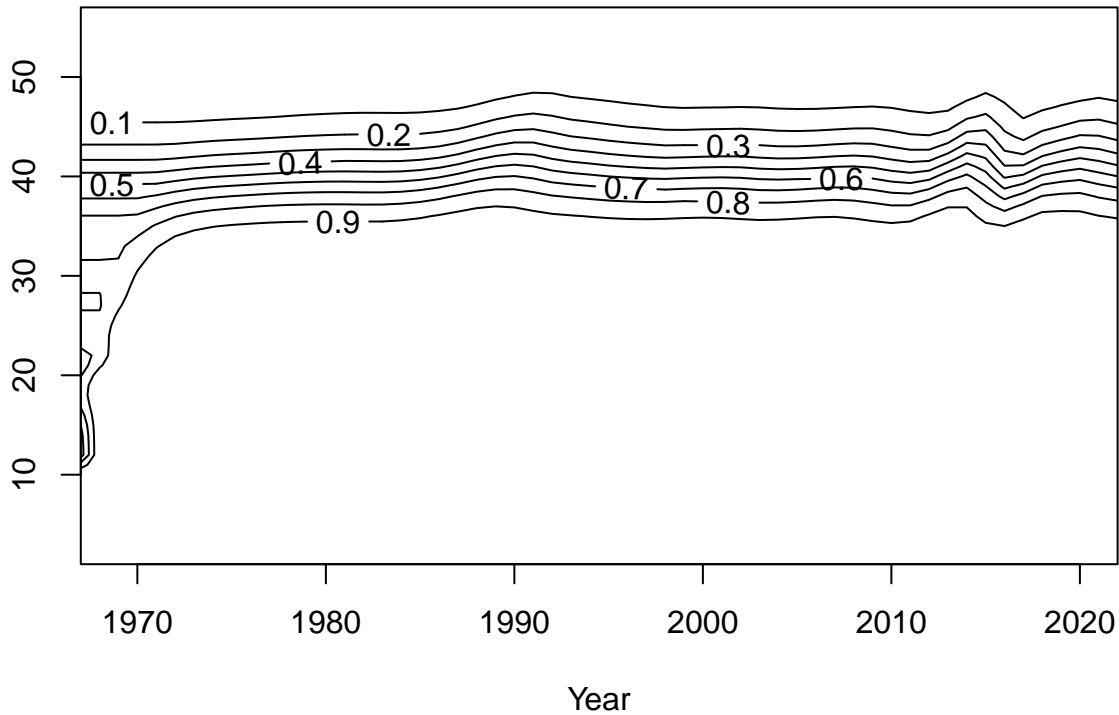


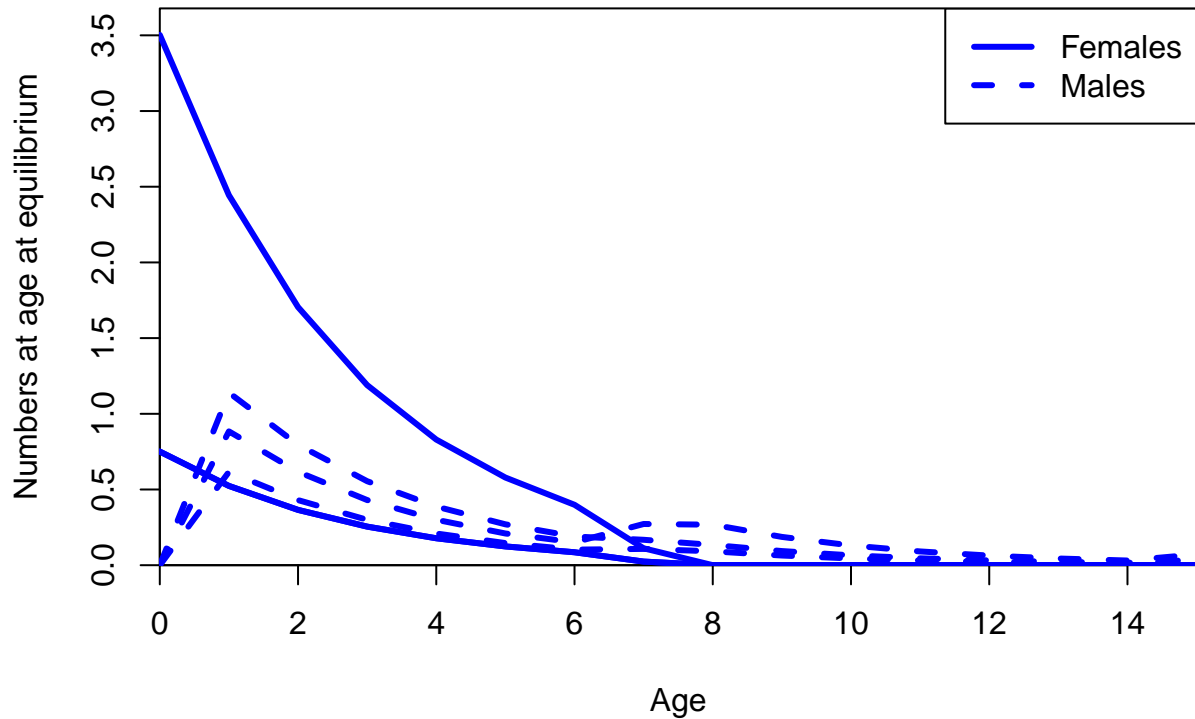






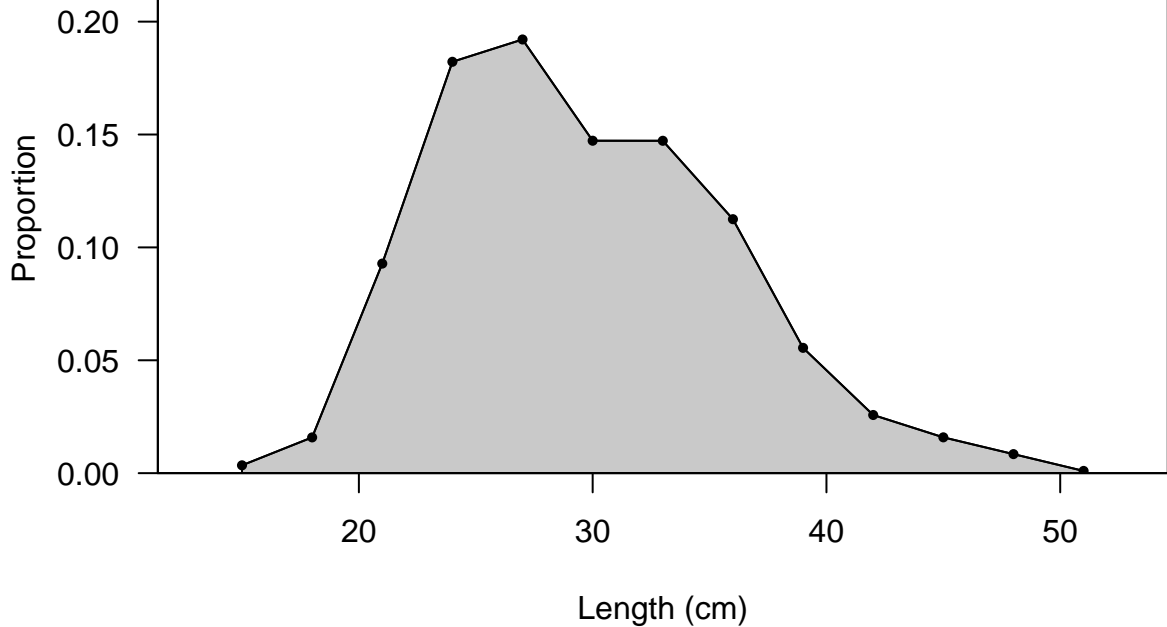
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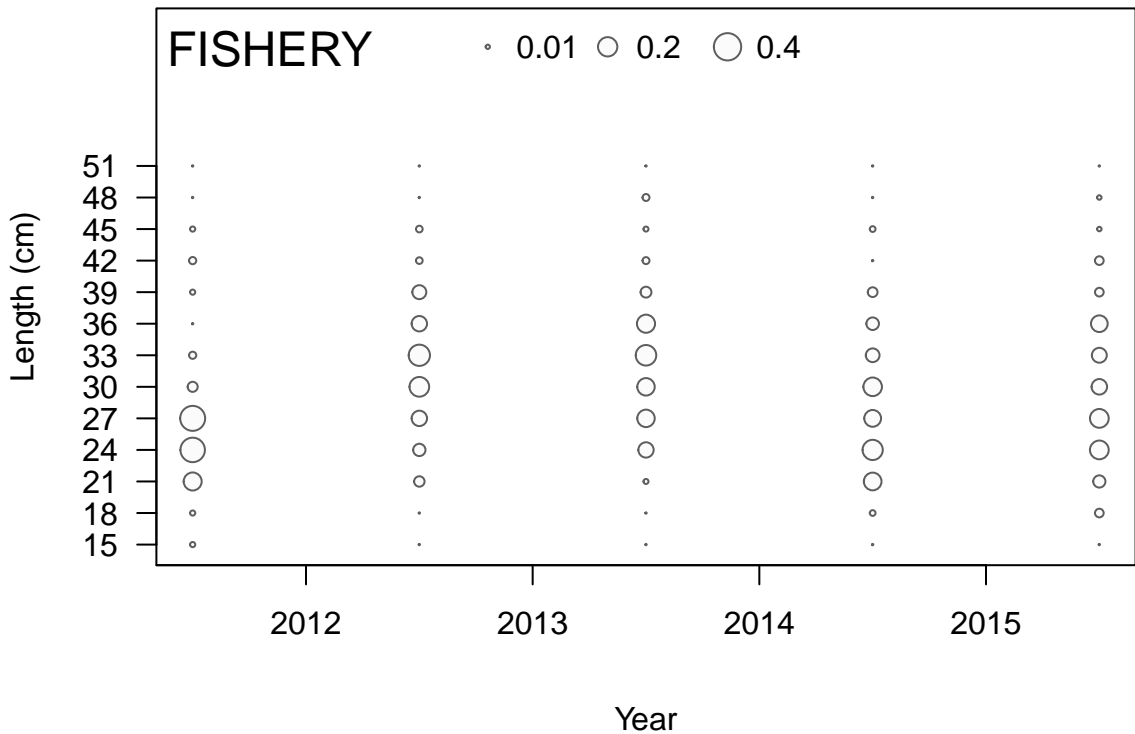




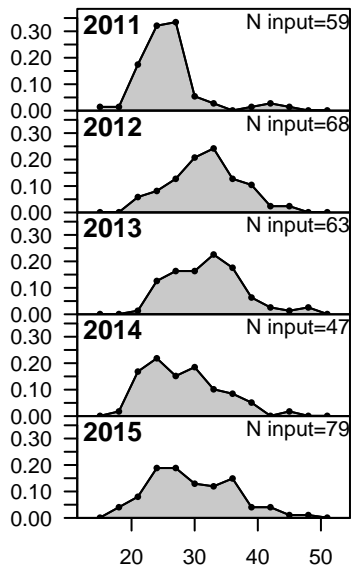
FISHERY

Sum of N input=316

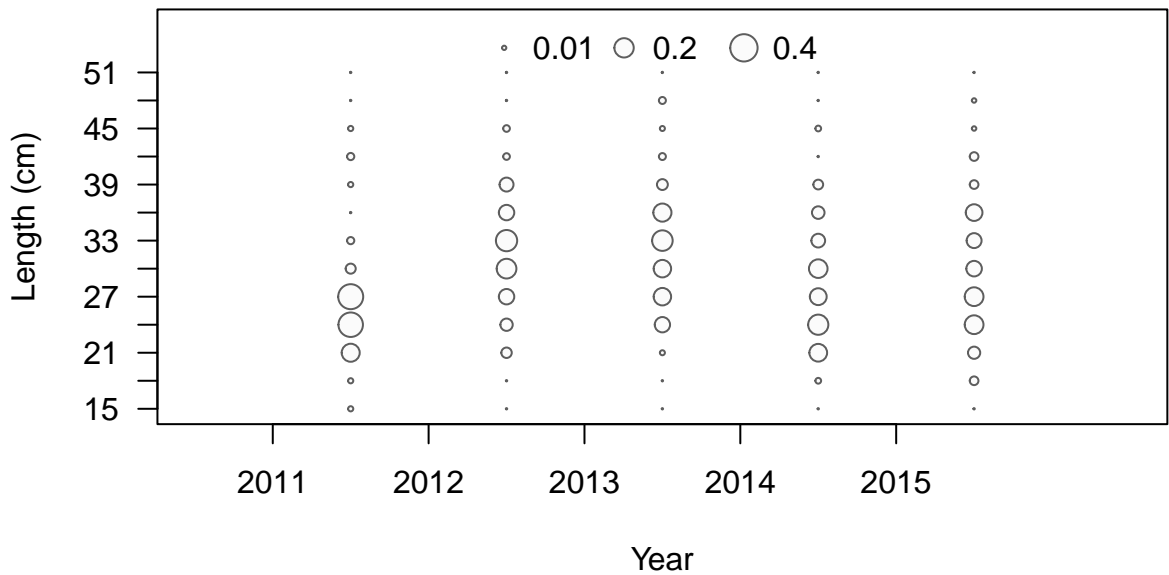




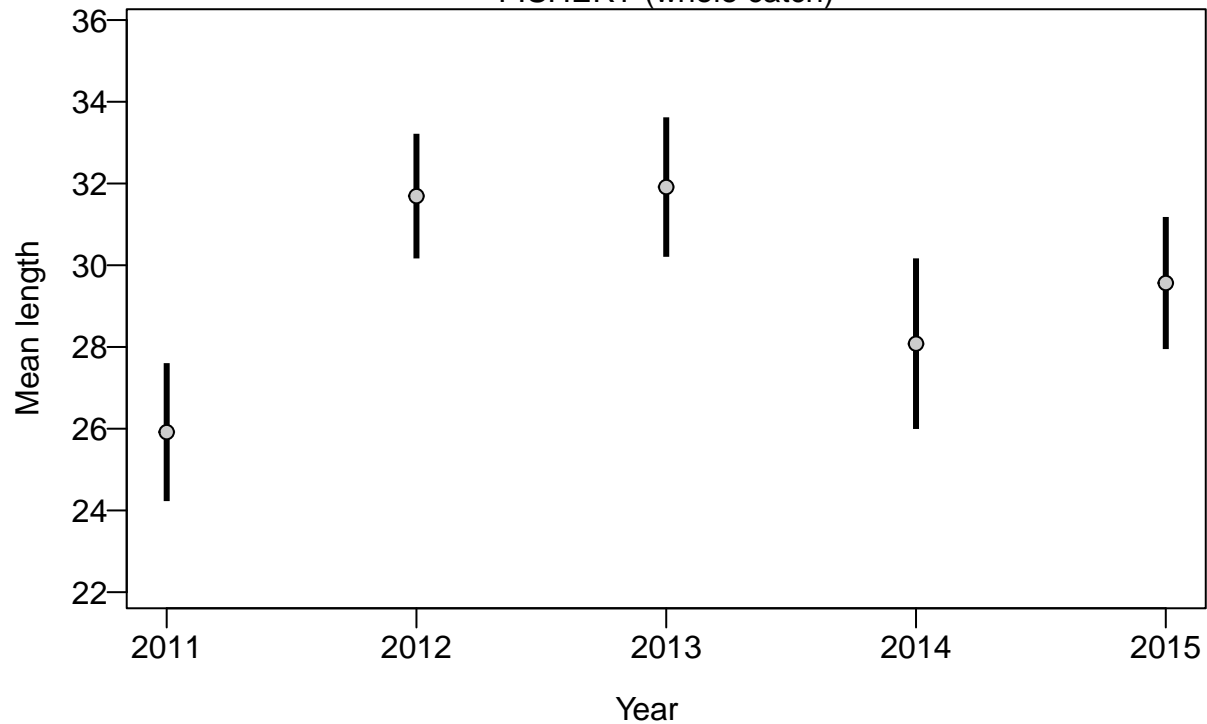
Proportion



Length (cm)

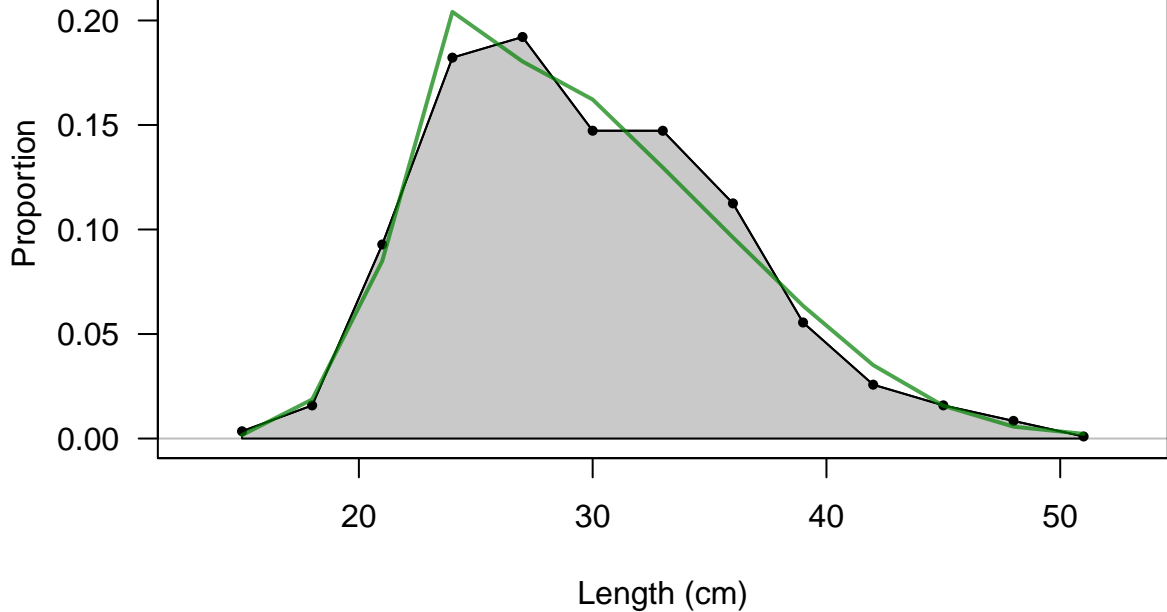


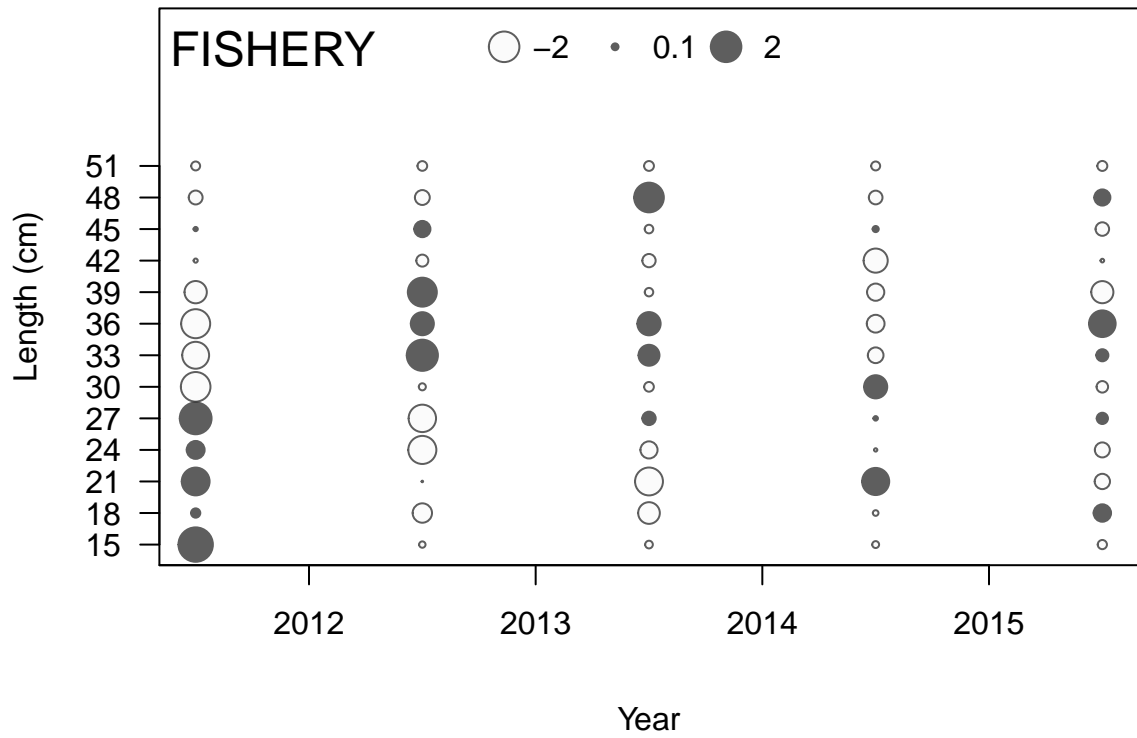
FISHERY (whole catch)



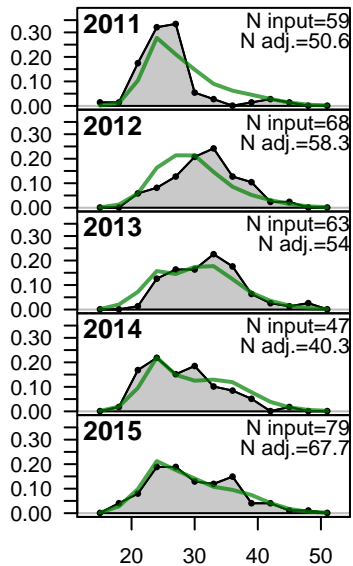
FISHERY

Sum of N input=316
Sum of N adj.=270.9

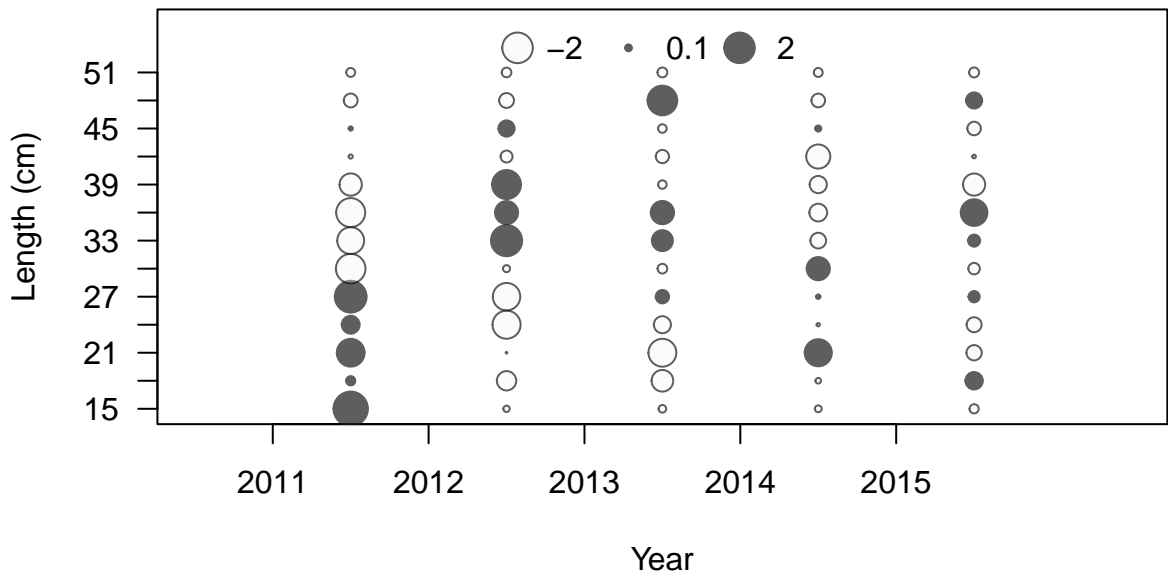




Proportion



Length (cm)



FISHERY (whole catch)

