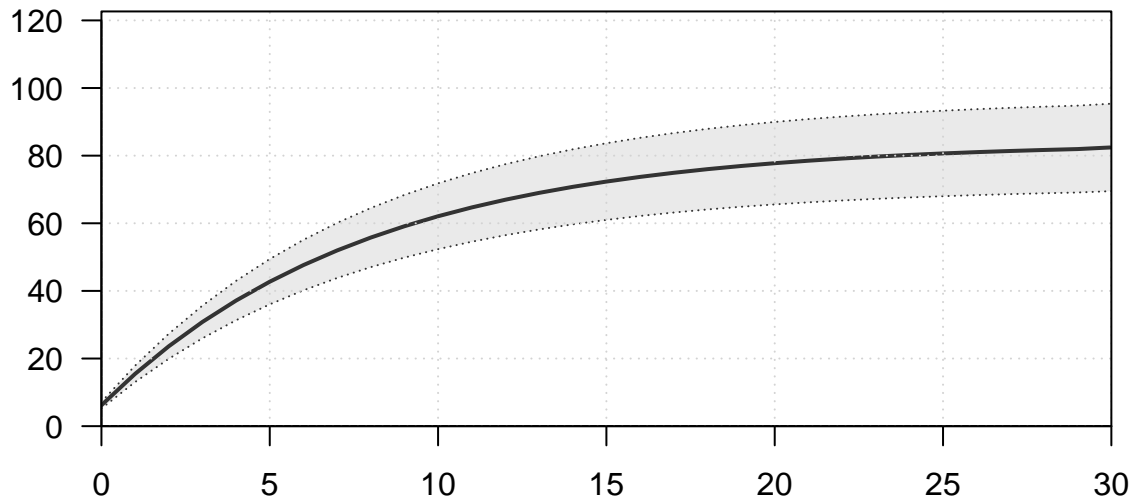
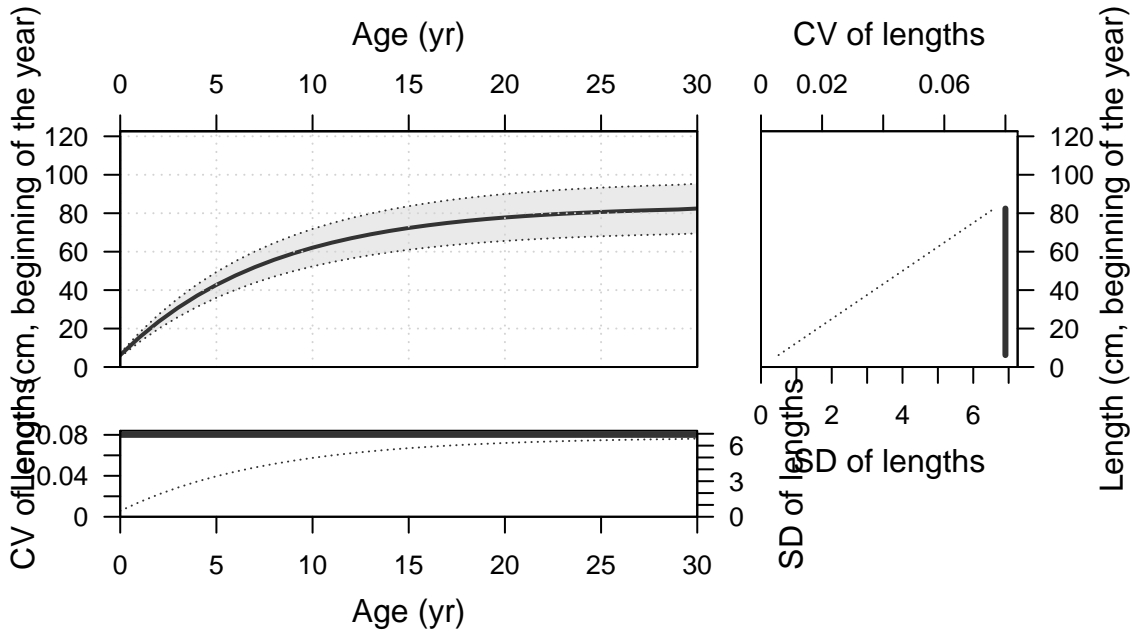


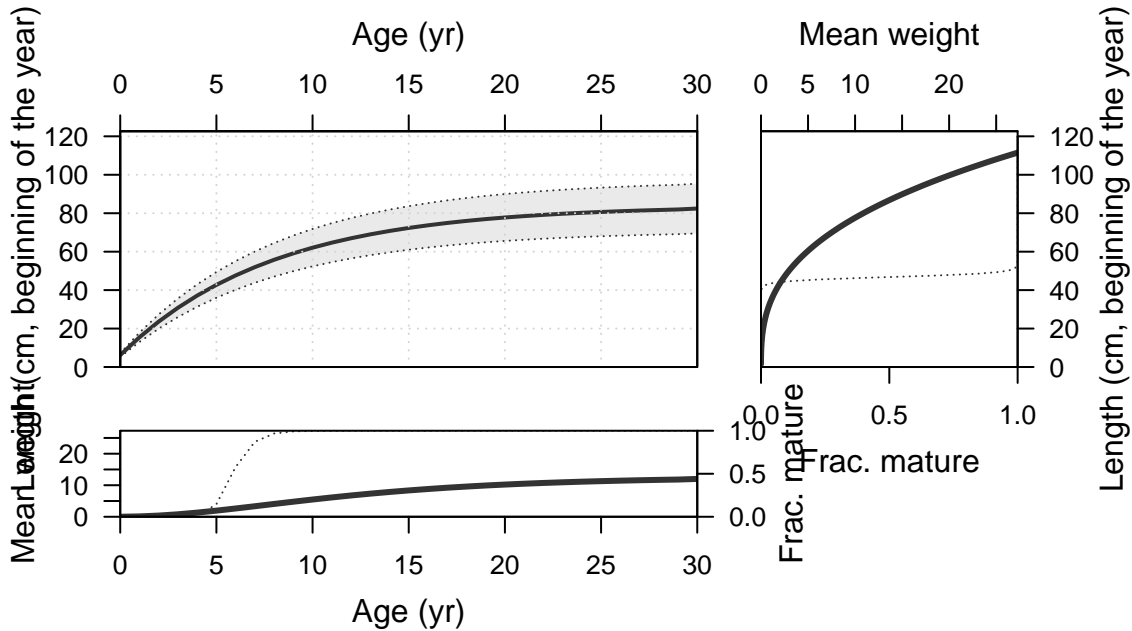
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Thu Jul 21 13:10:38 2022
Data_File: data.ss
Control_File: control.ss

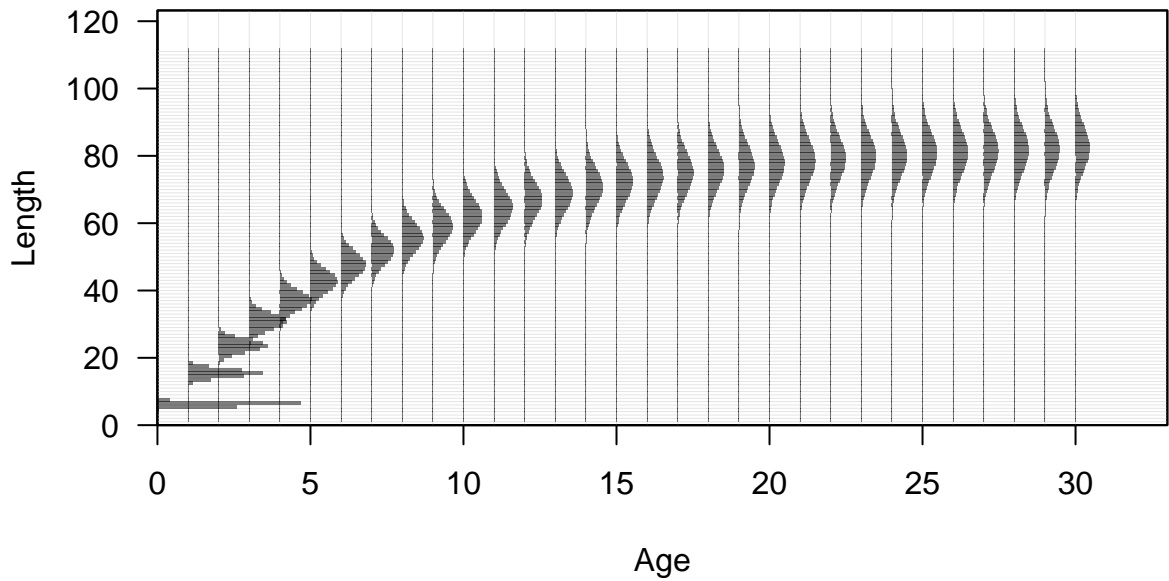
Length (cm, beginning of the year)

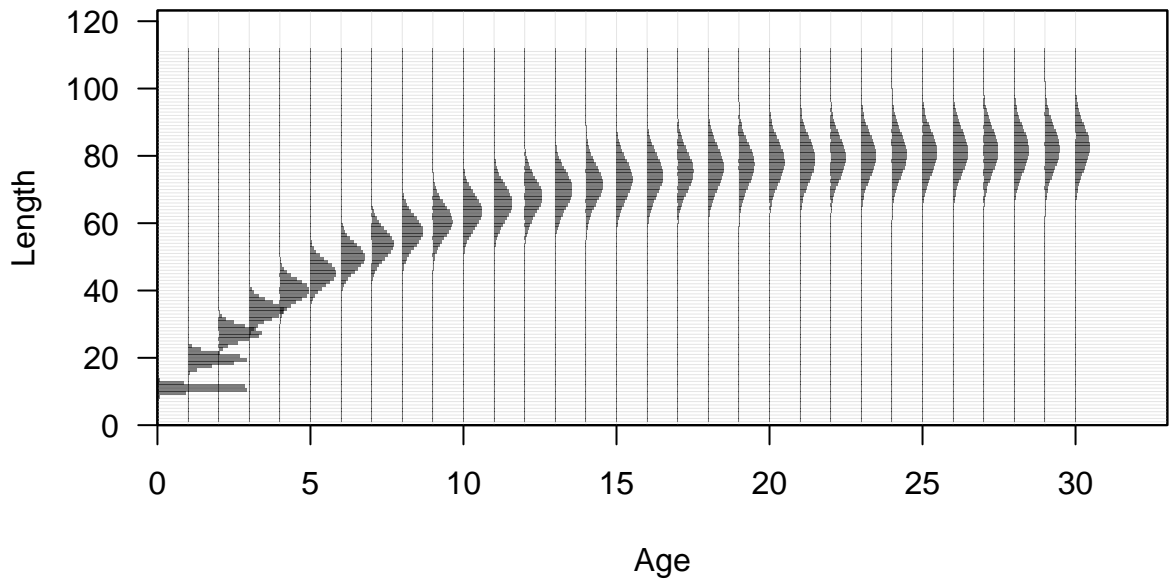


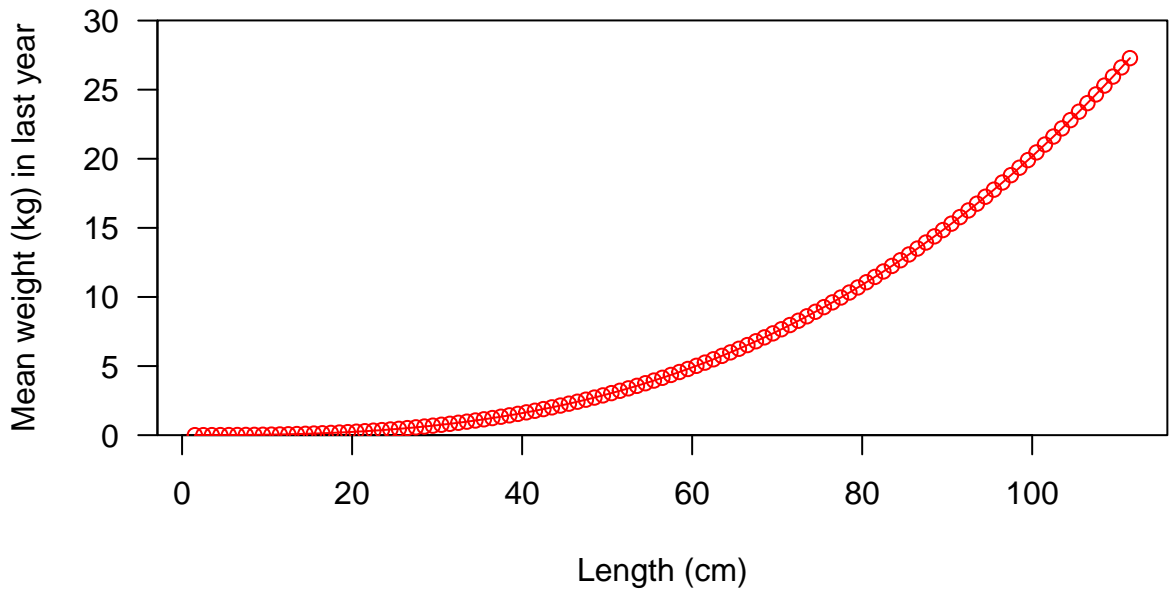
Age (yr)

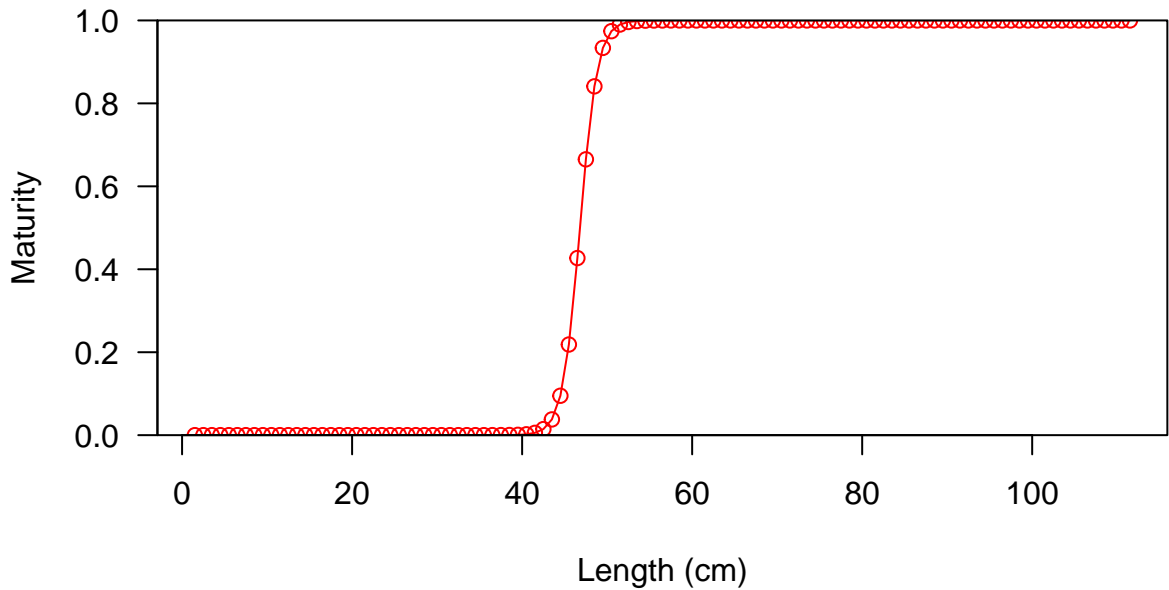


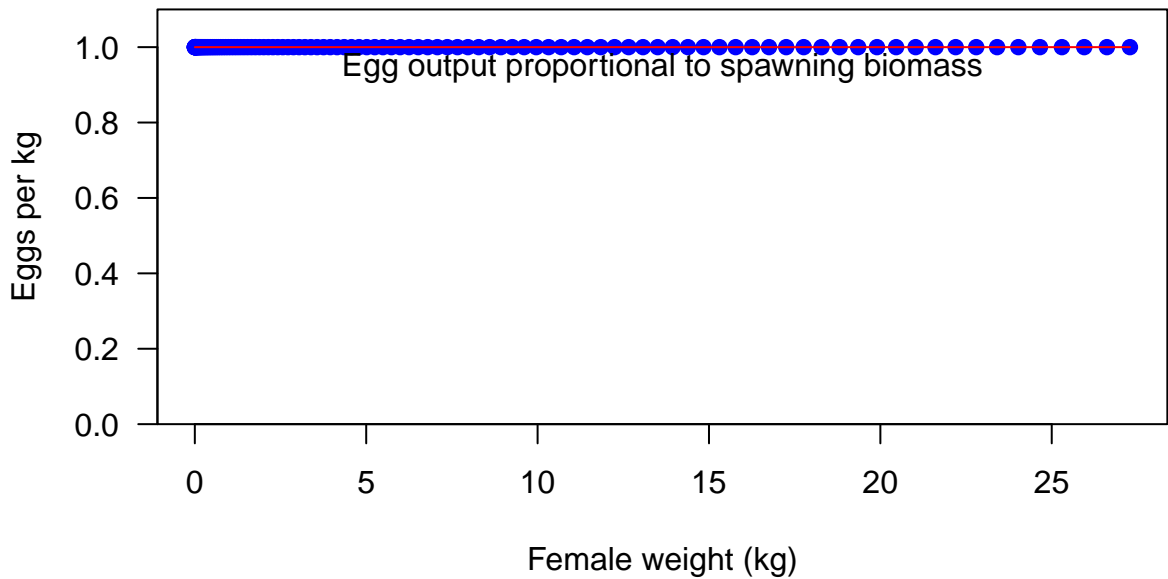


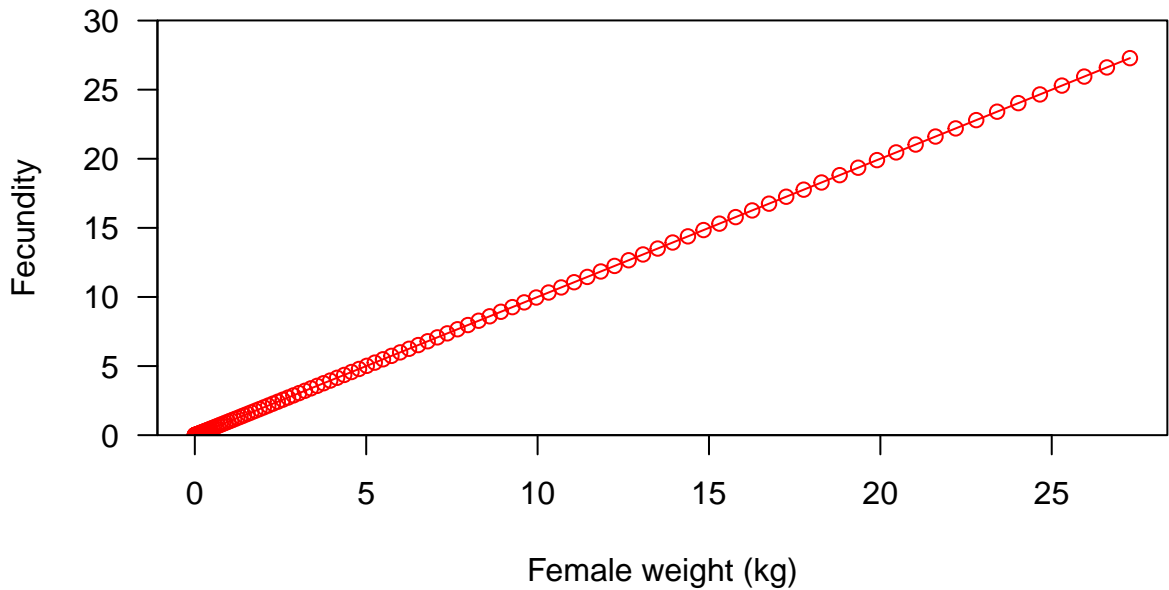












Fecundity

30
25
20
15
10
5
0

0

20

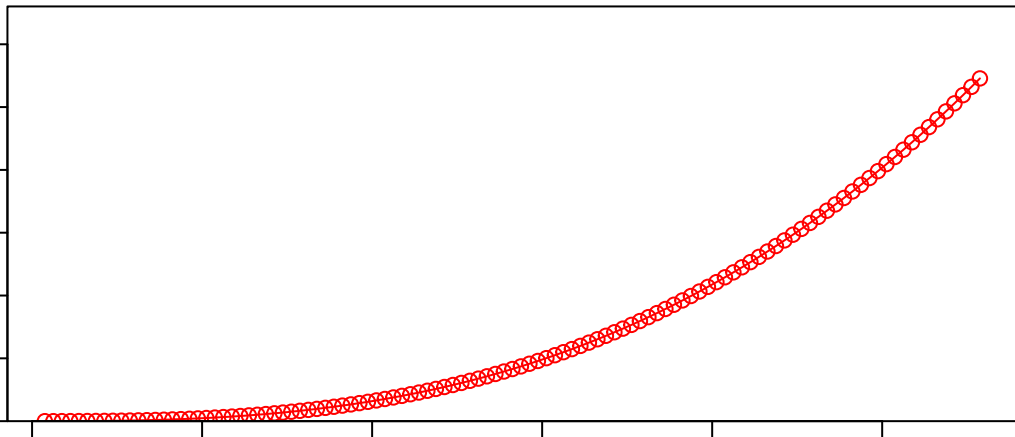
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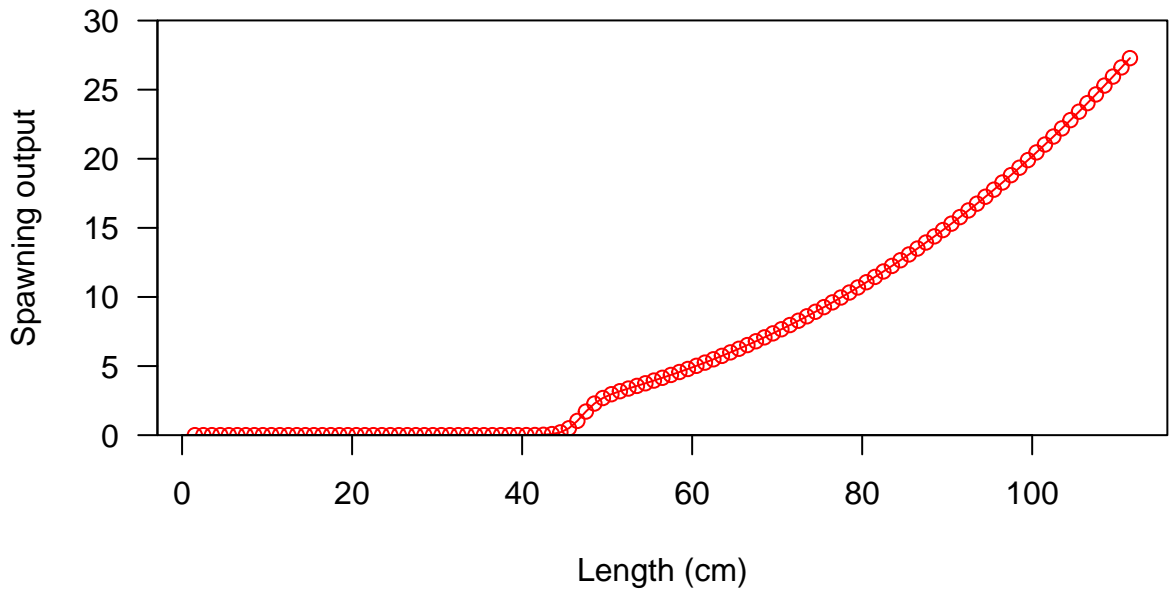
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80

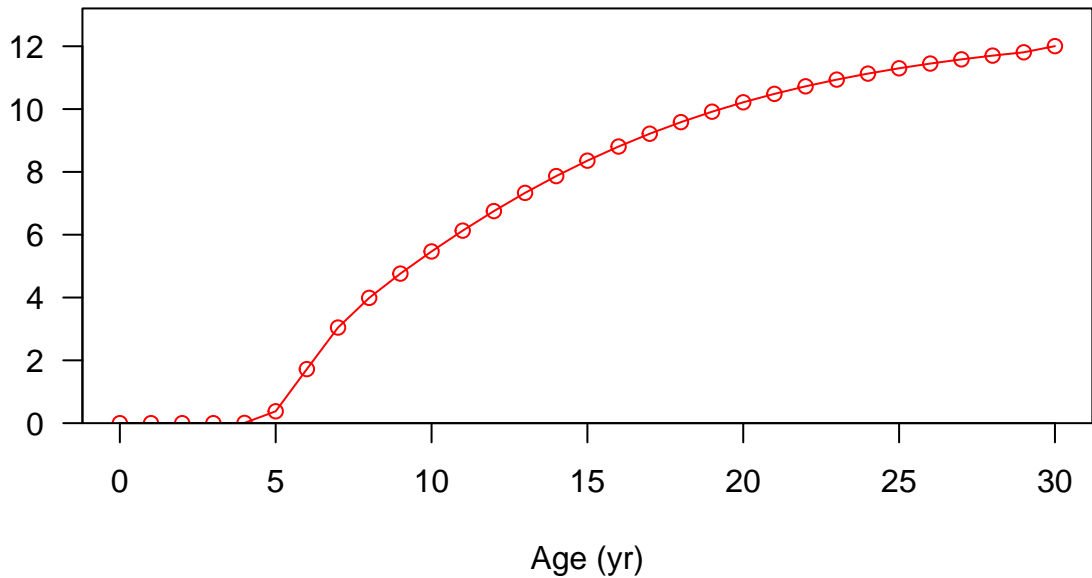
100

Female length (cm)

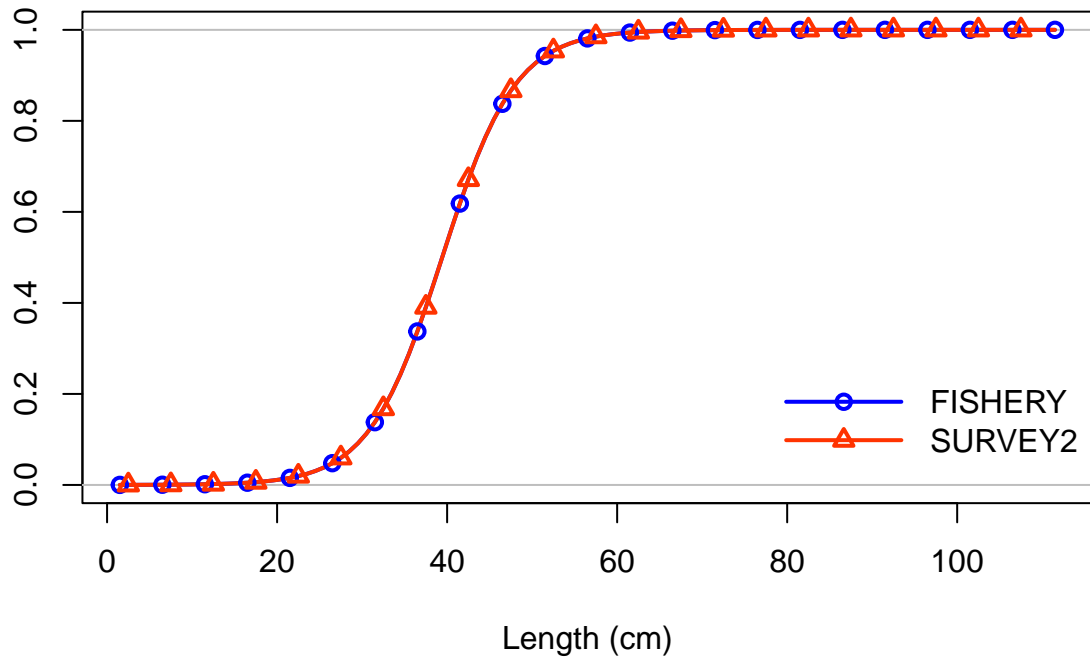




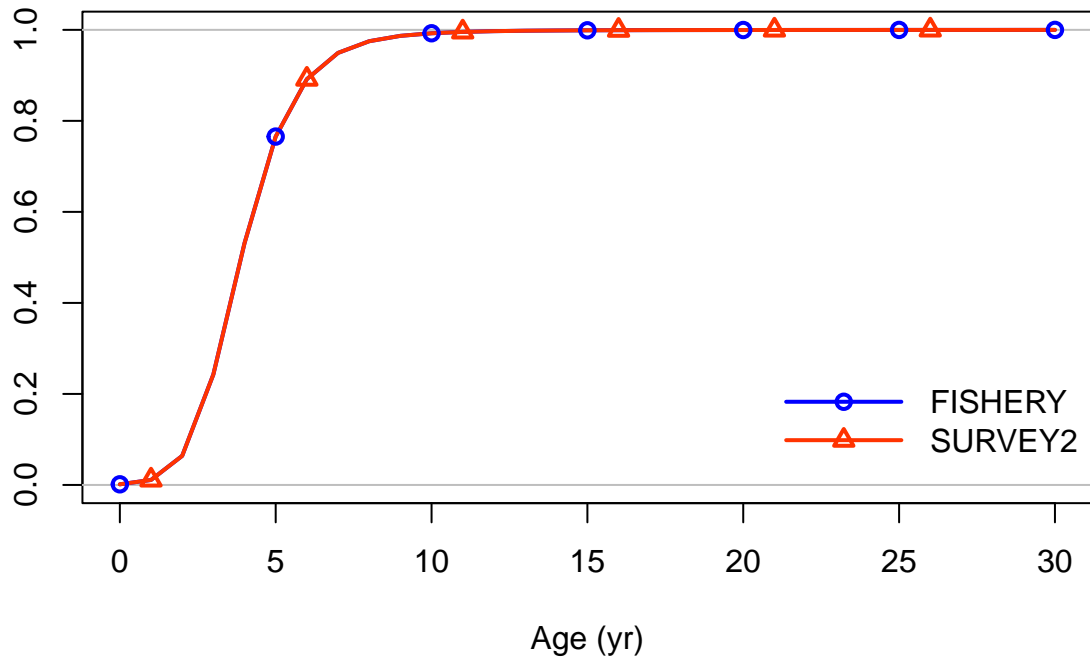
Spawning output



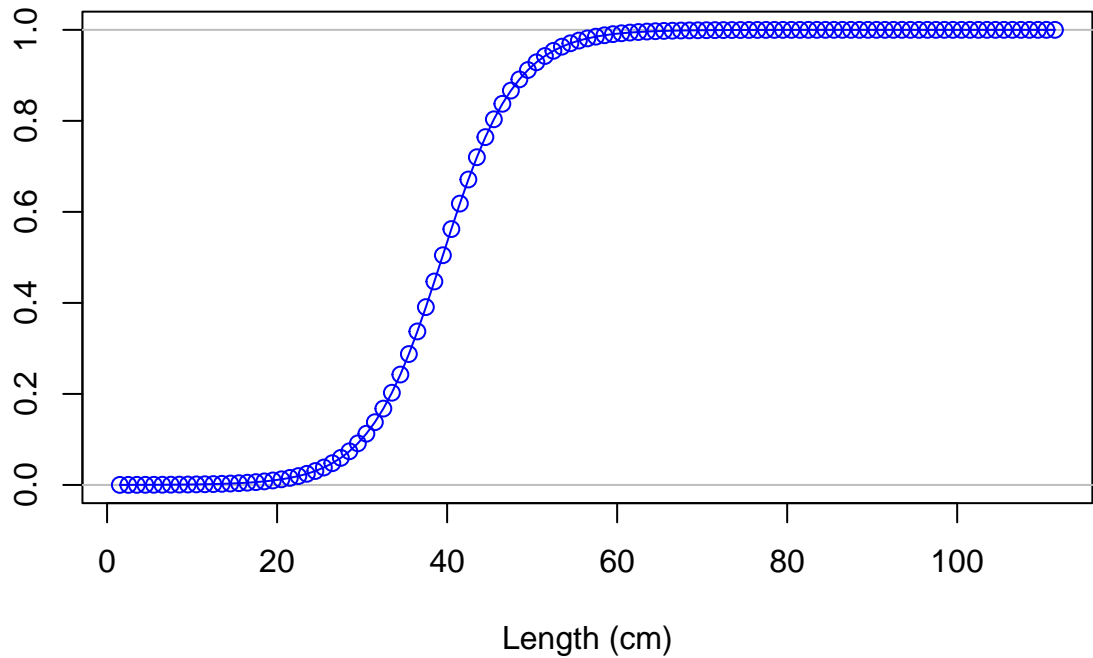
Selectivity



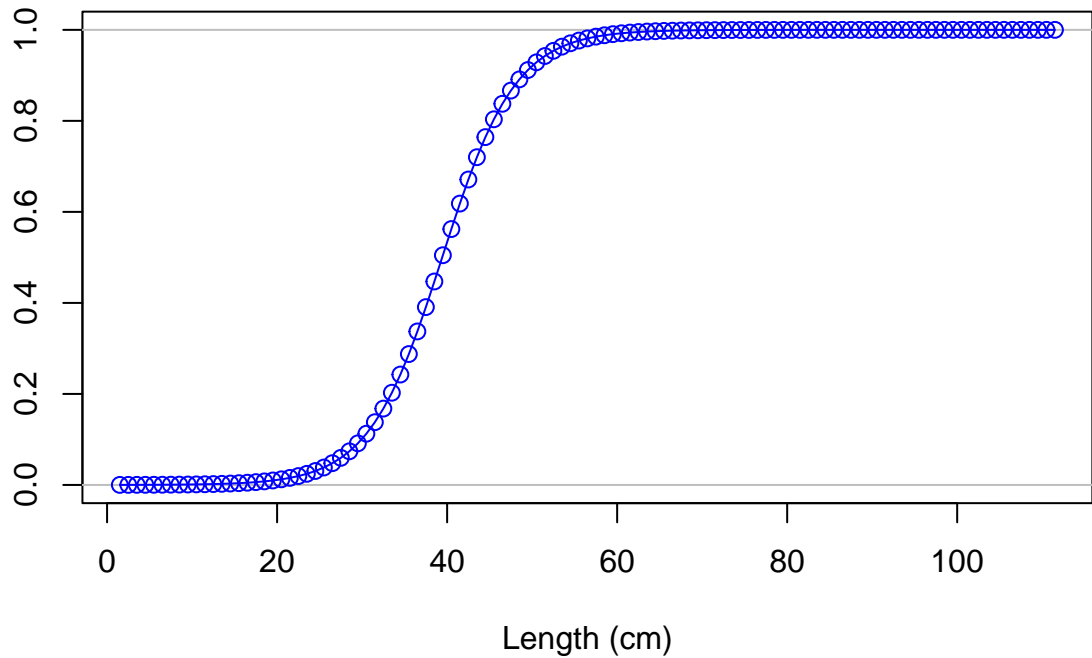
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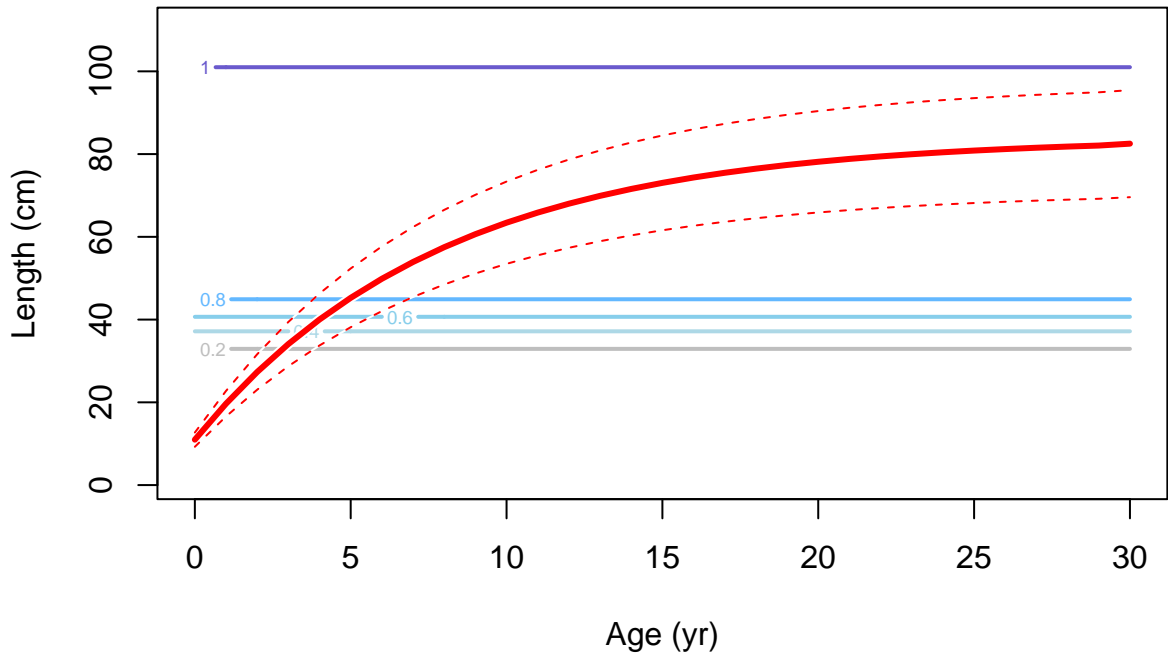


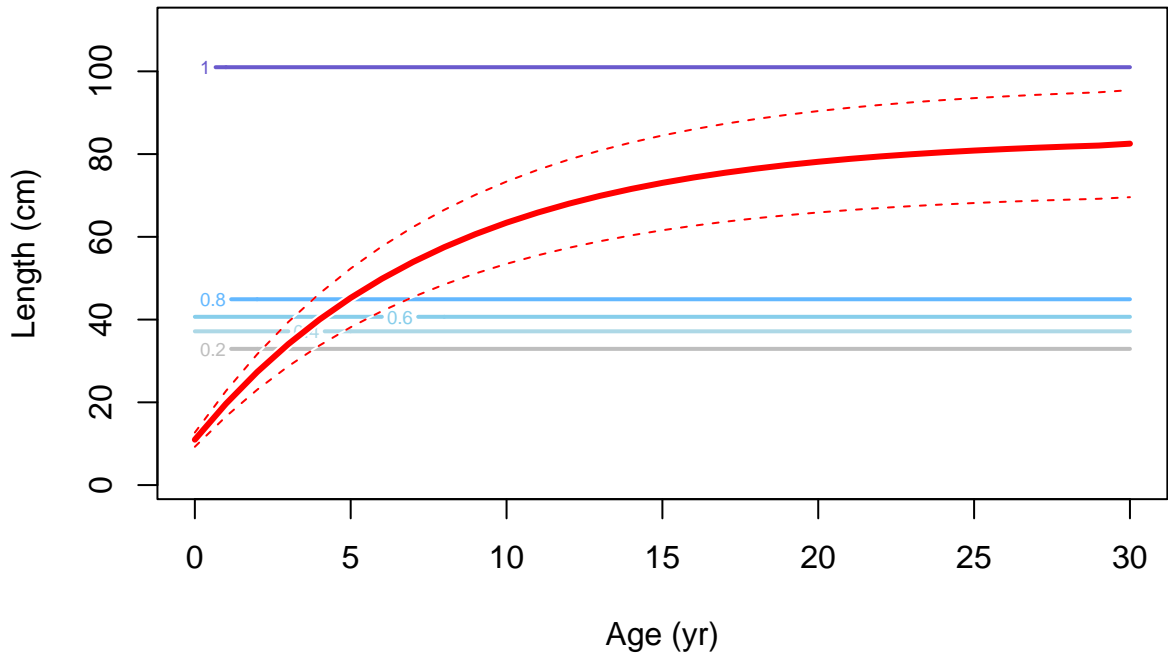
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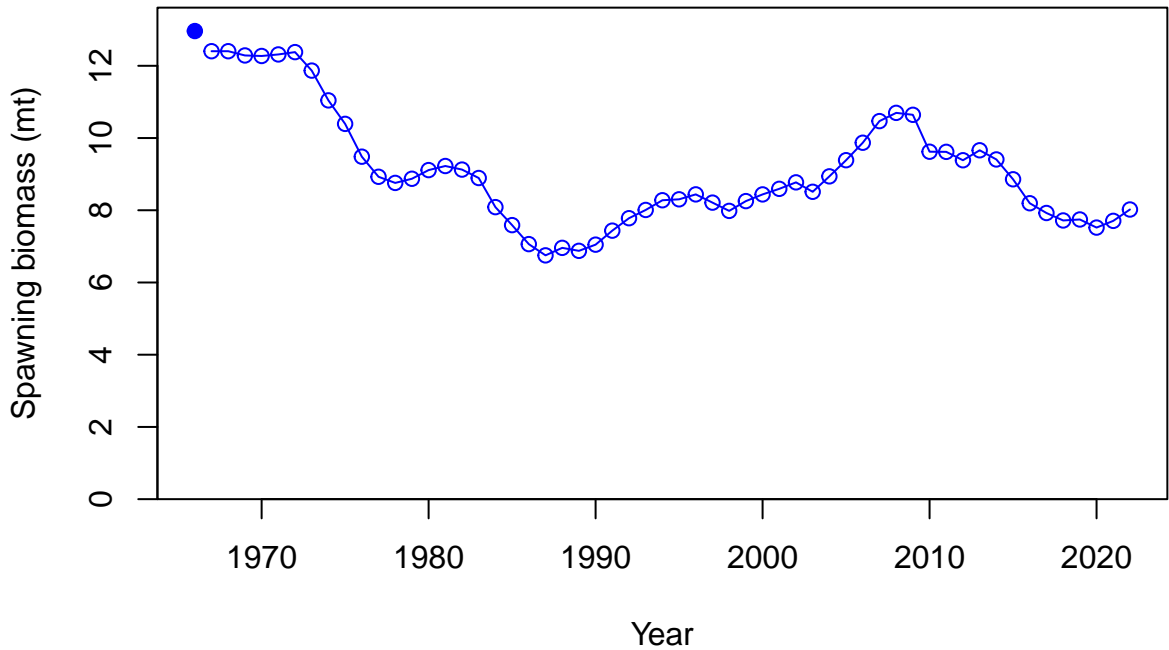


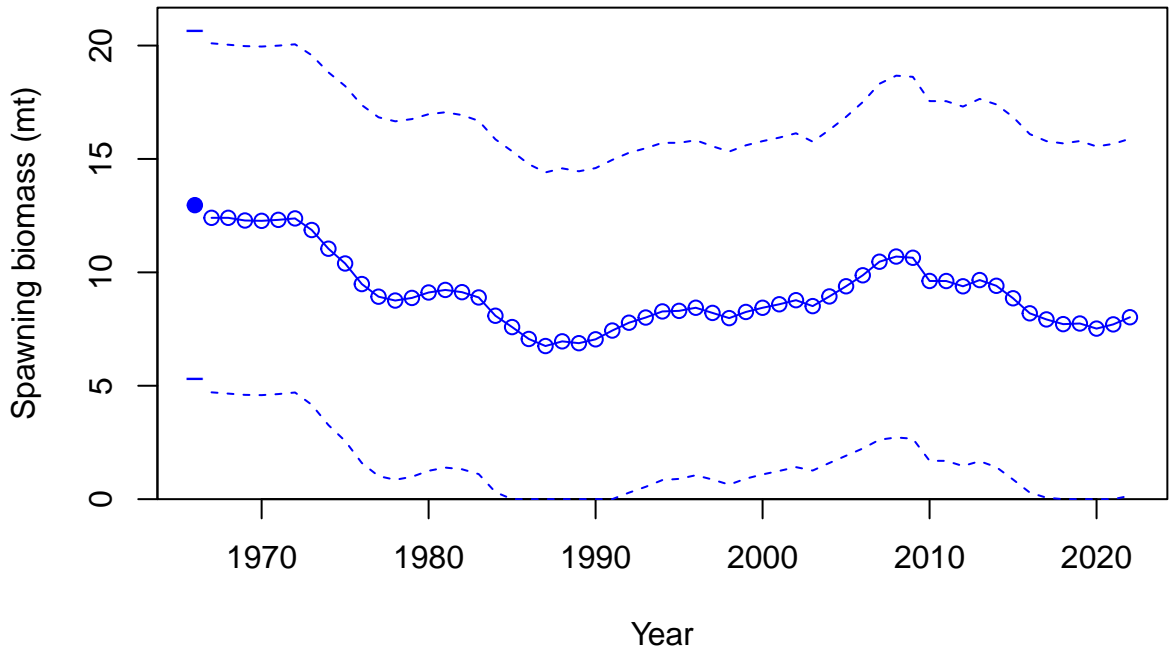
Selectivity



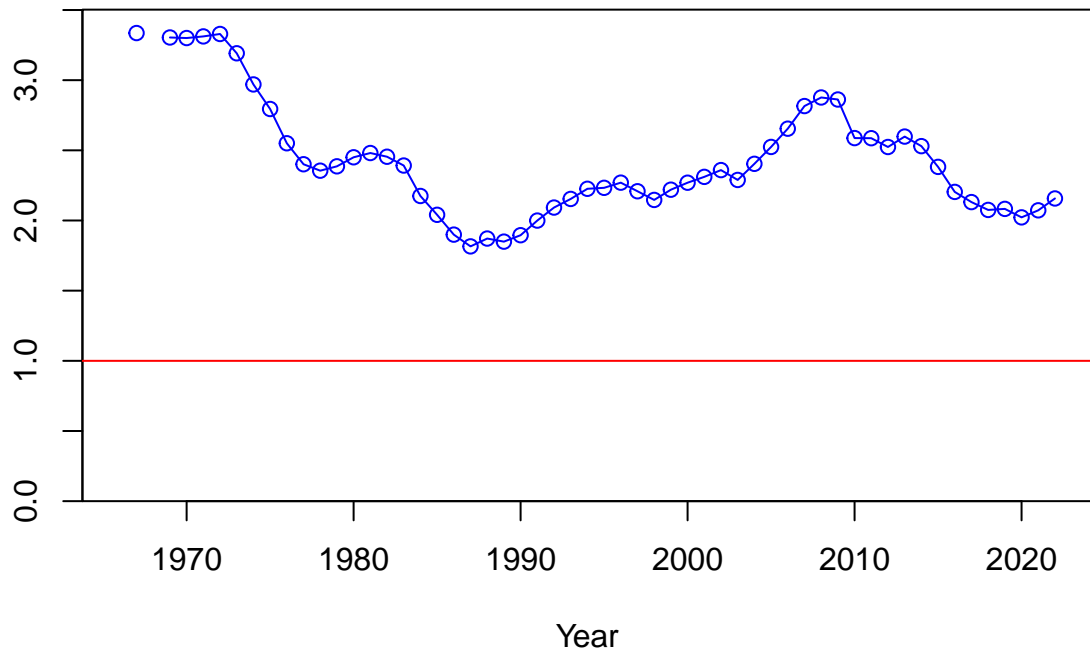




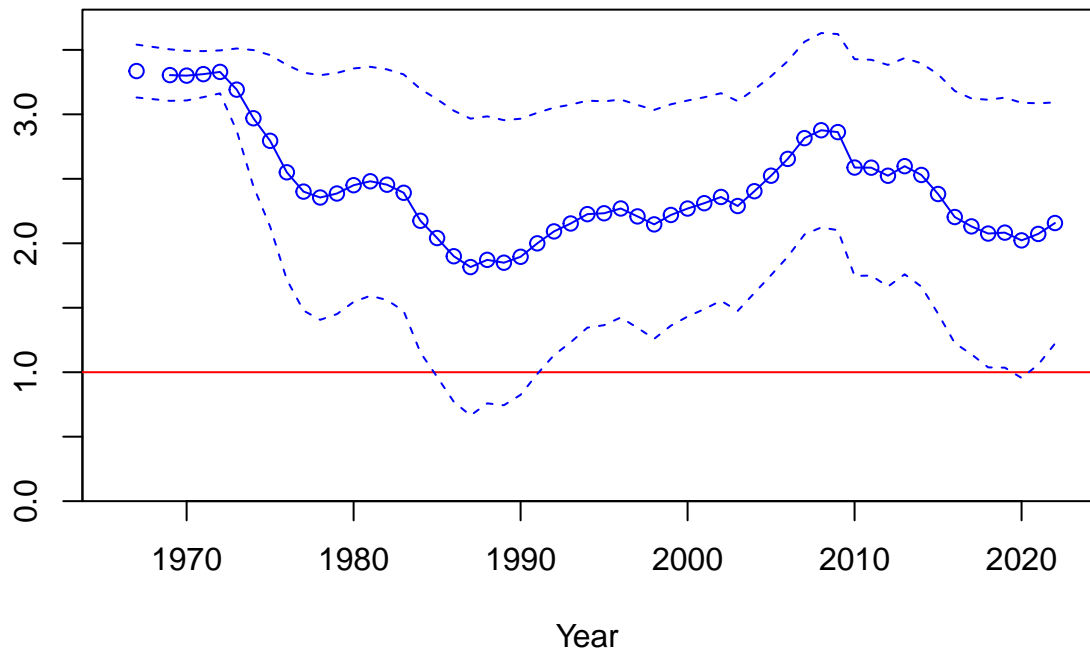


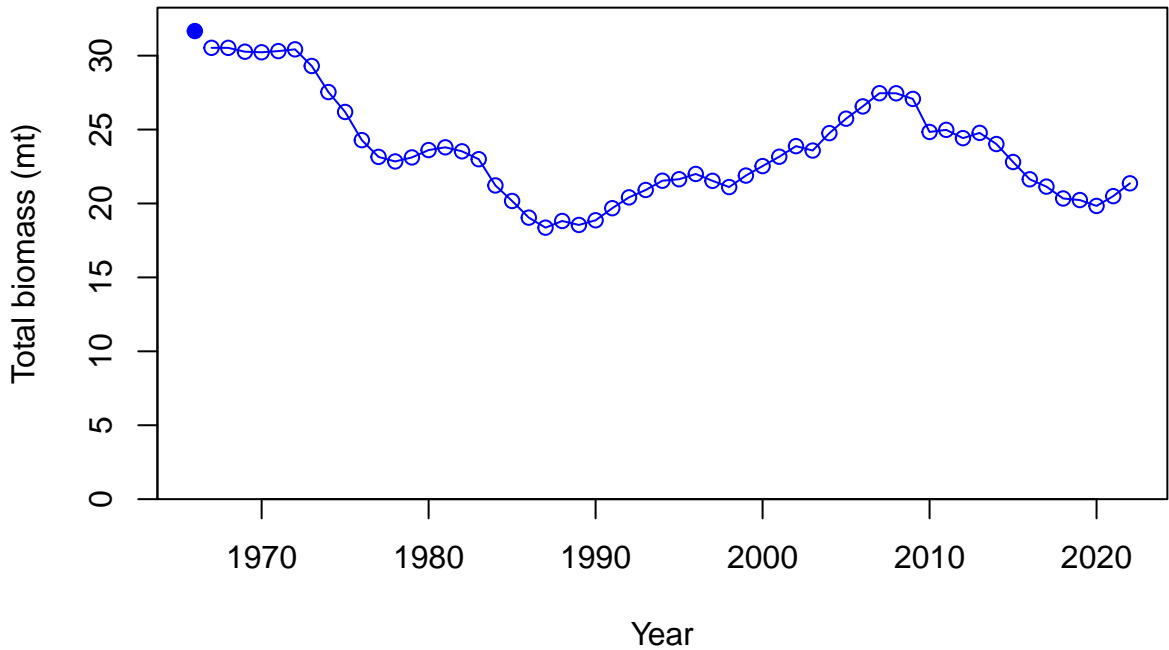


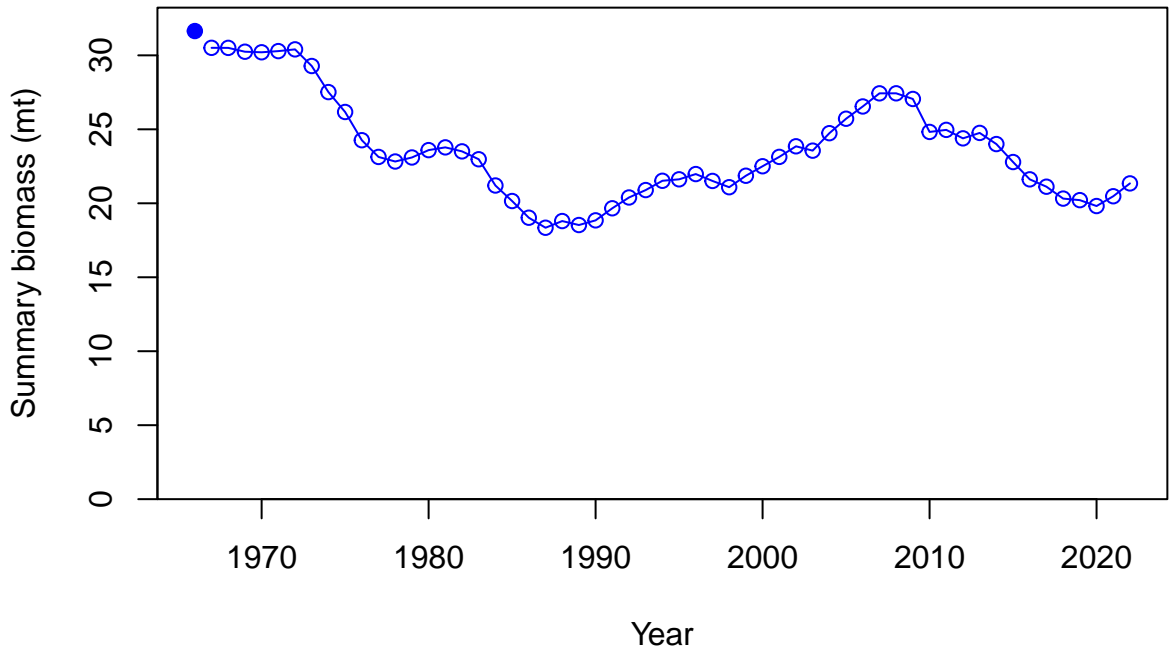
Relative spawning biomass: B/B_{MSY}



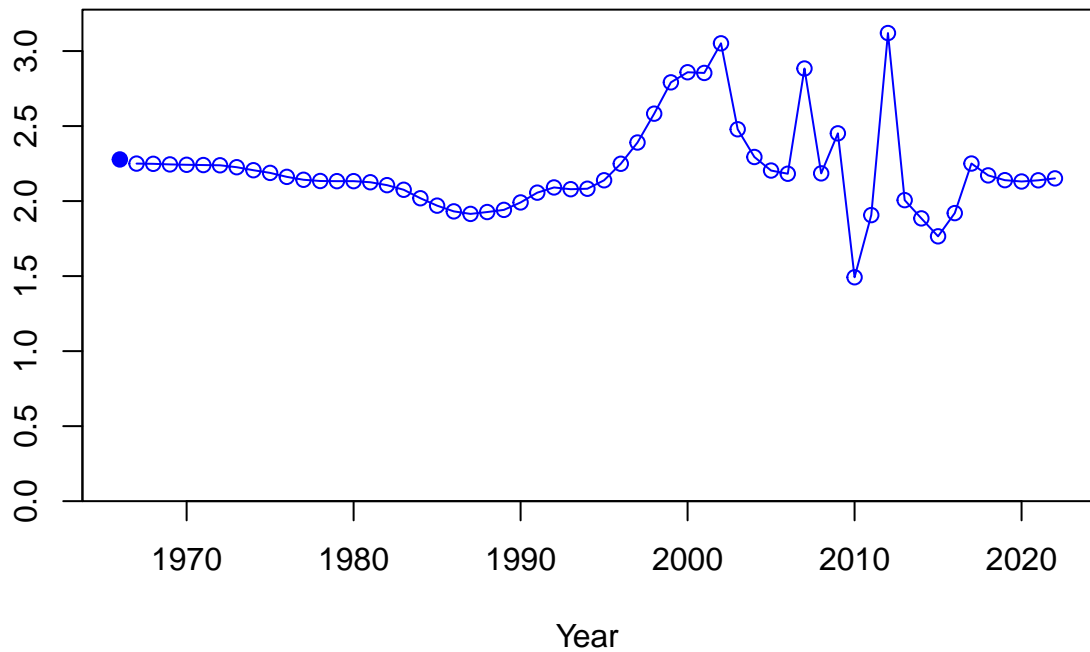
Relative spawning biomass: B/B_{MSY}



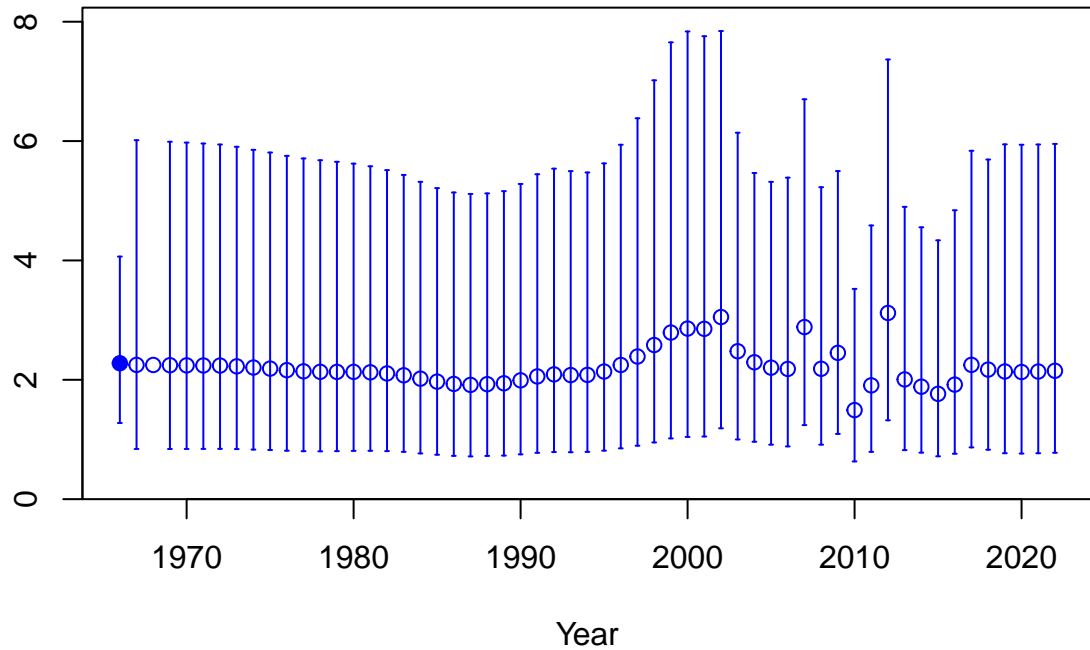




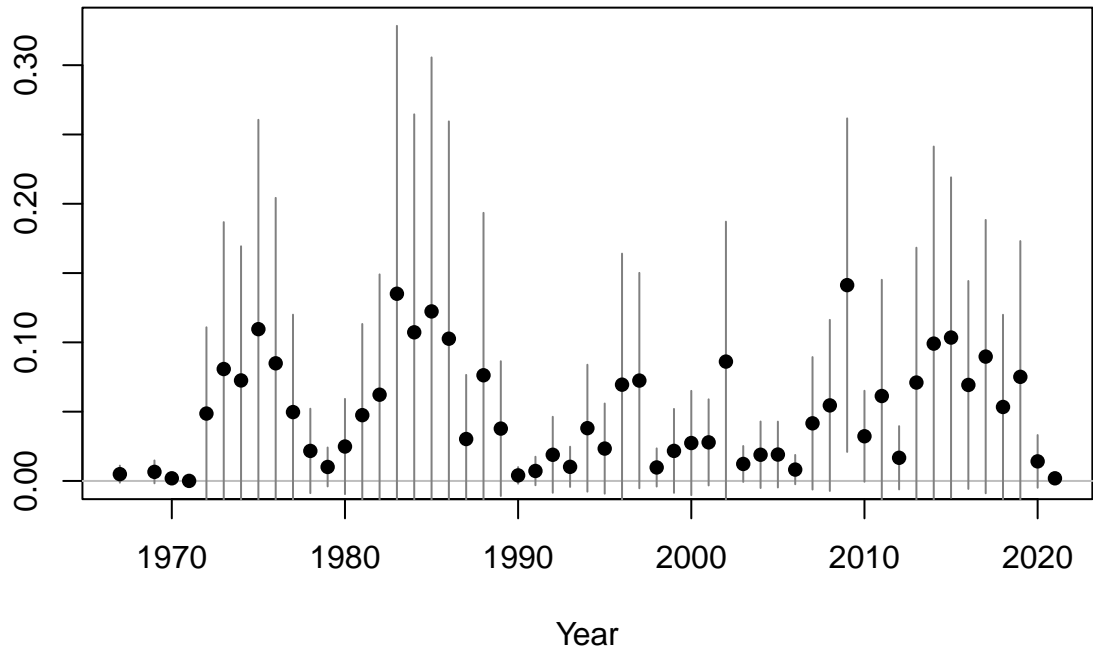
Age-0 recruits (1,000s)

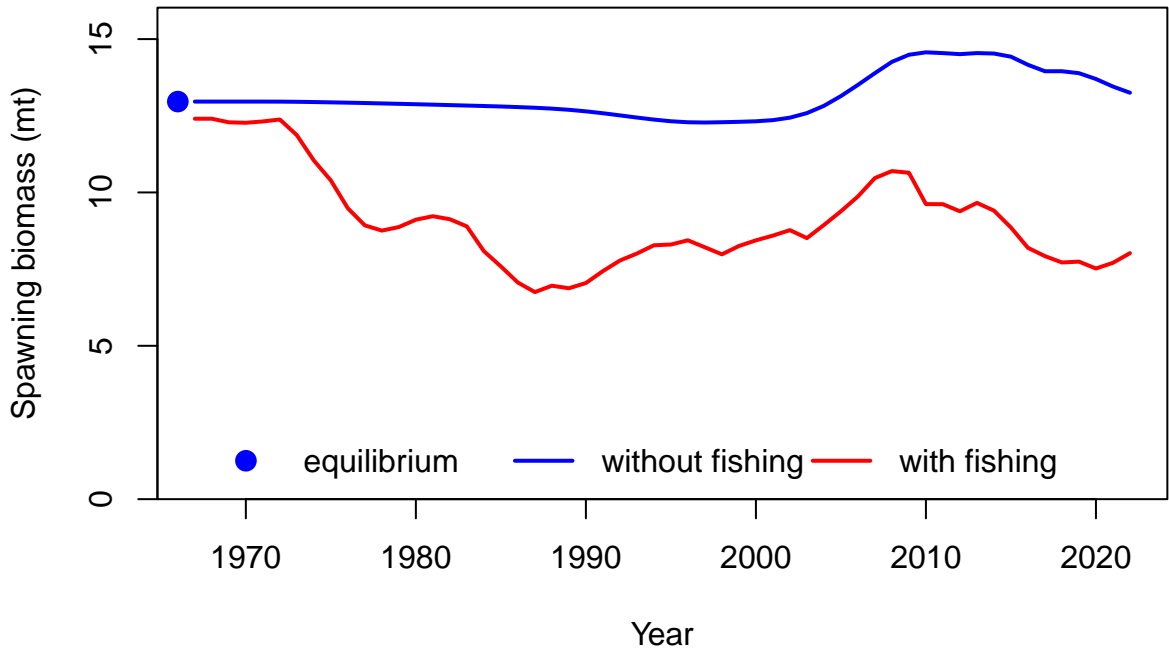


Age-0 recruits (1,000s)

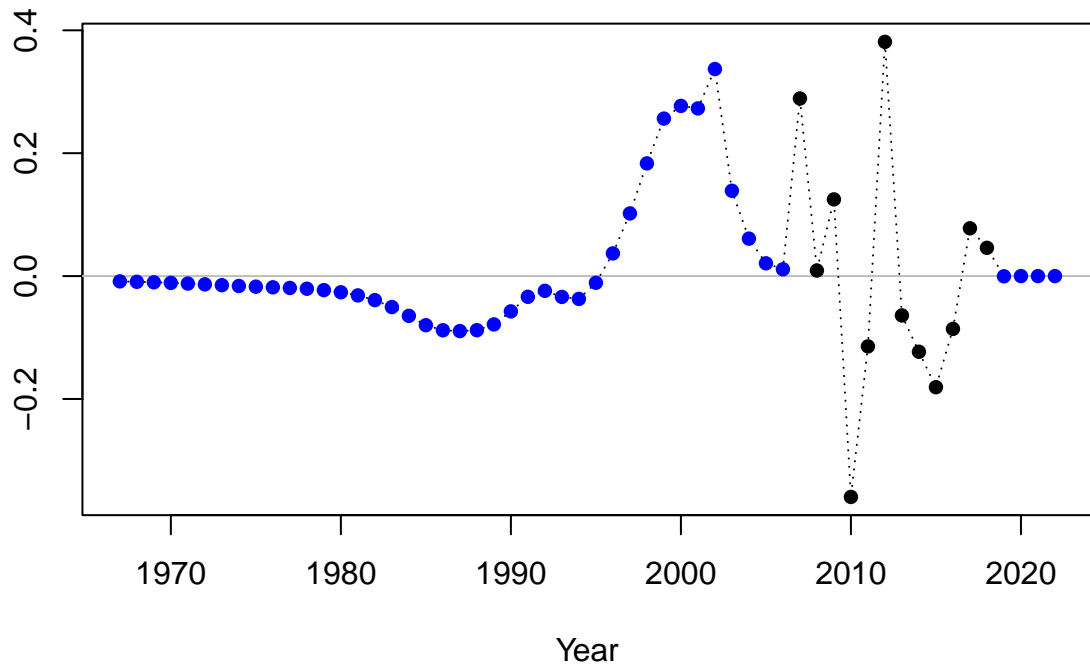


Summary Fishing Mortality

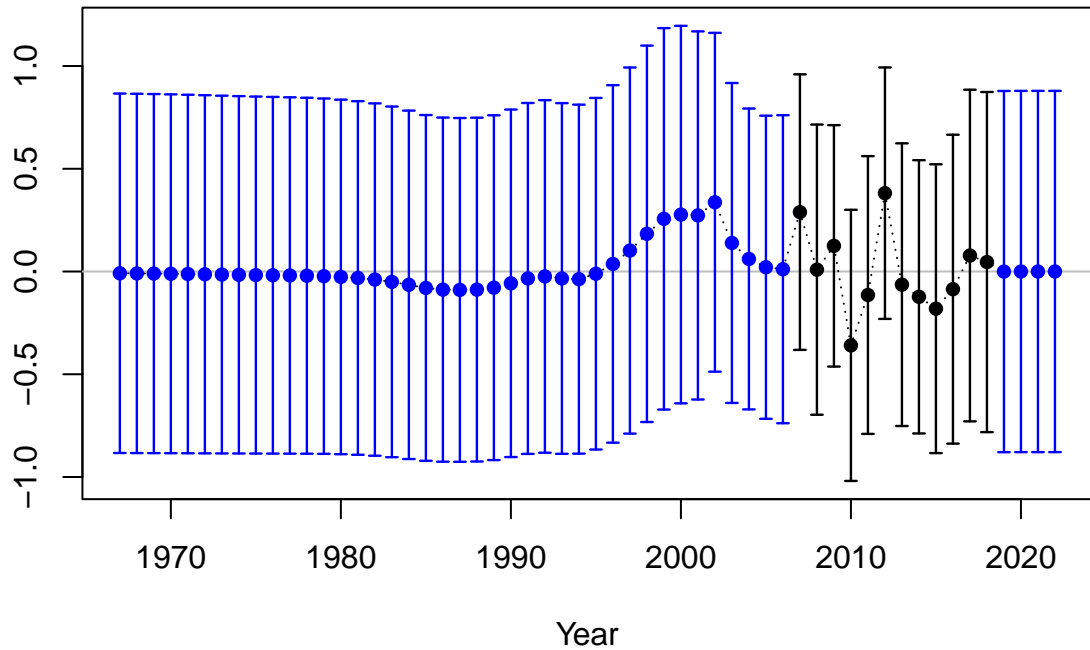




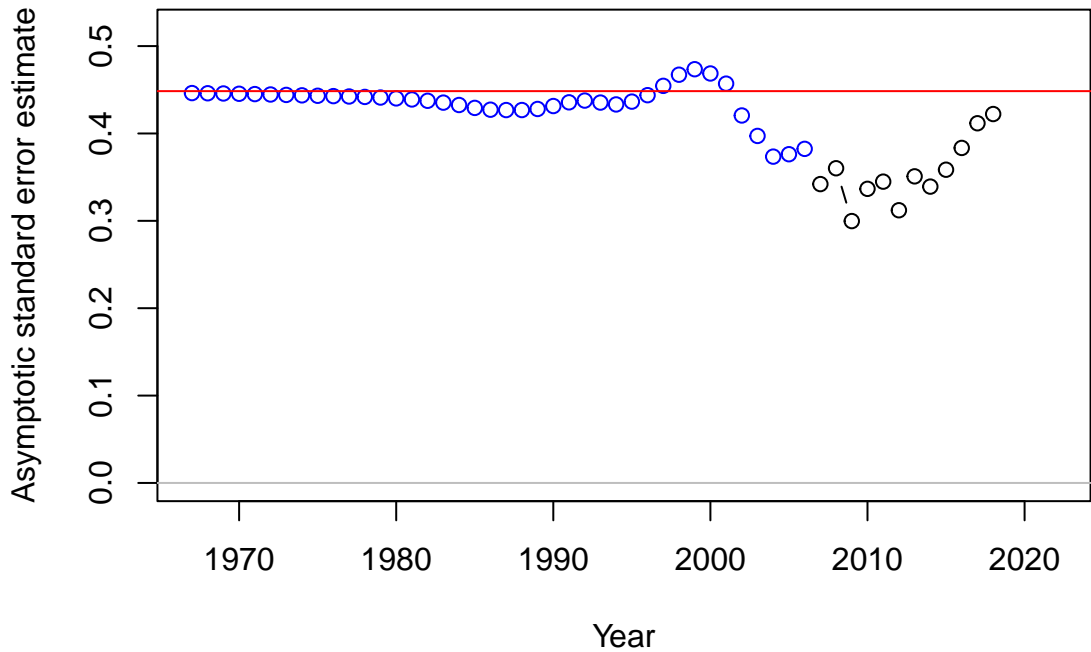
Log recruitment deviation

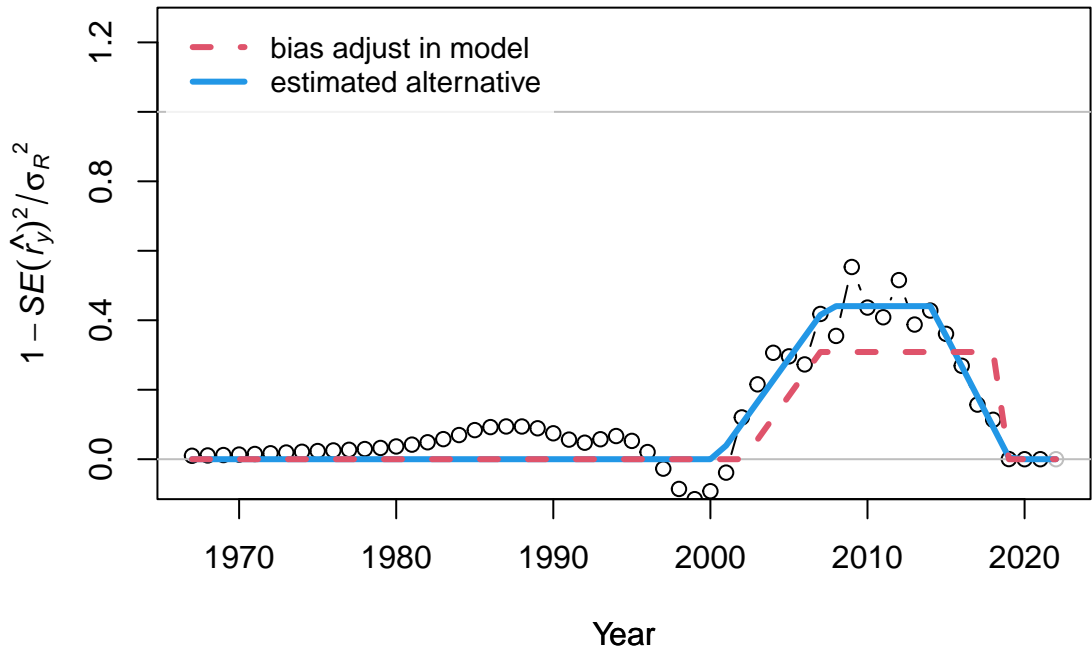


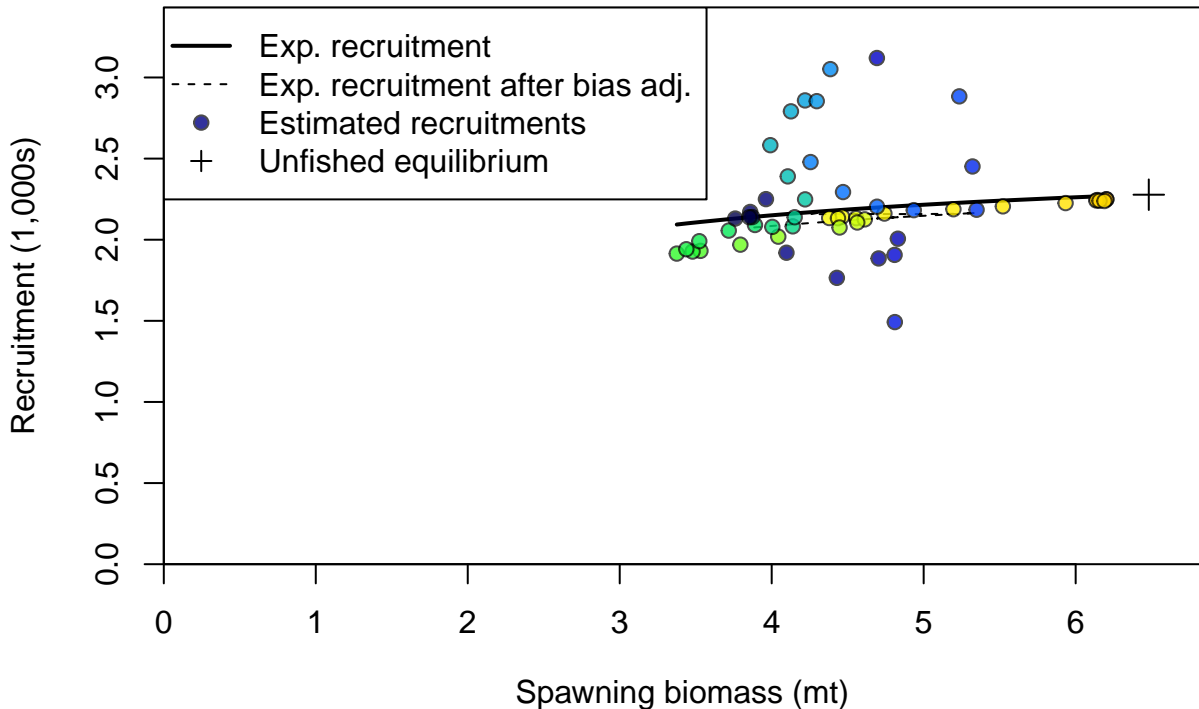
Log recruitment deviation

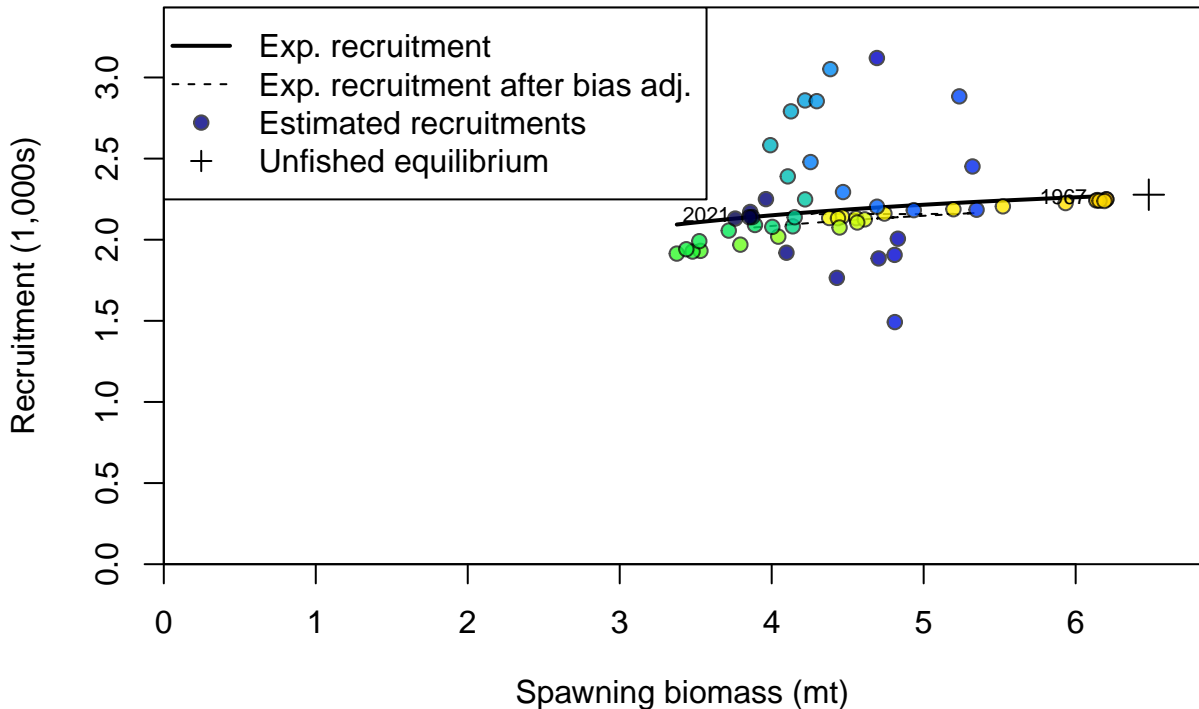


Recruitment deviation variance

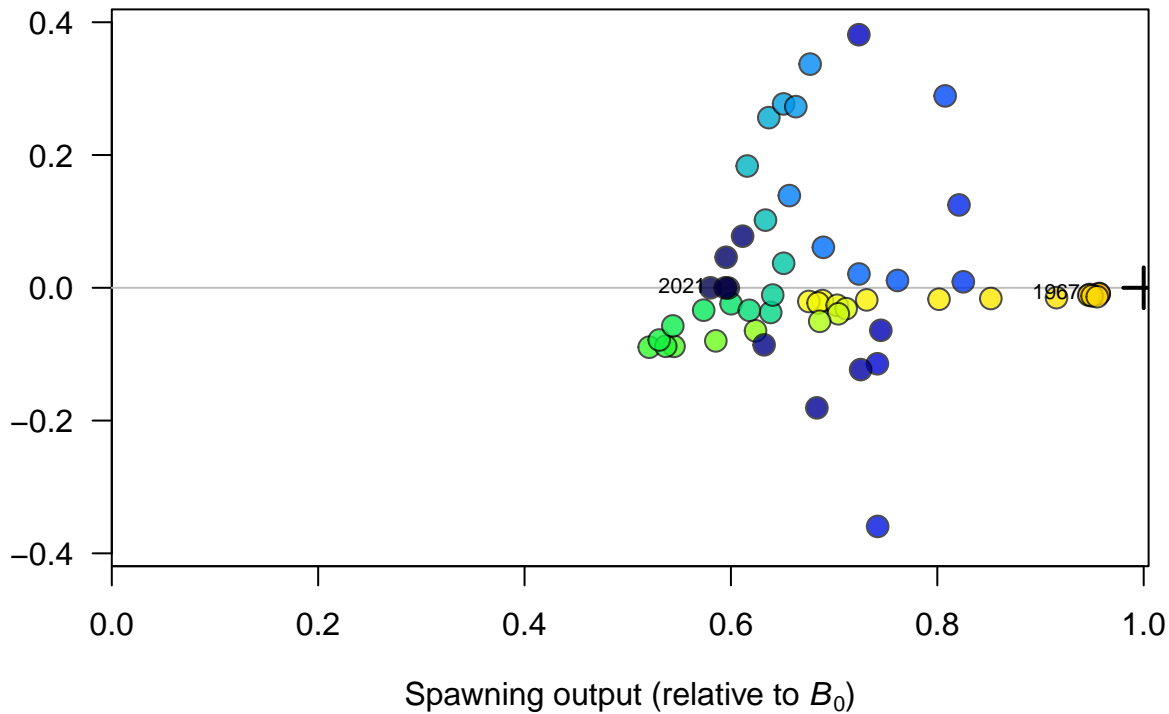


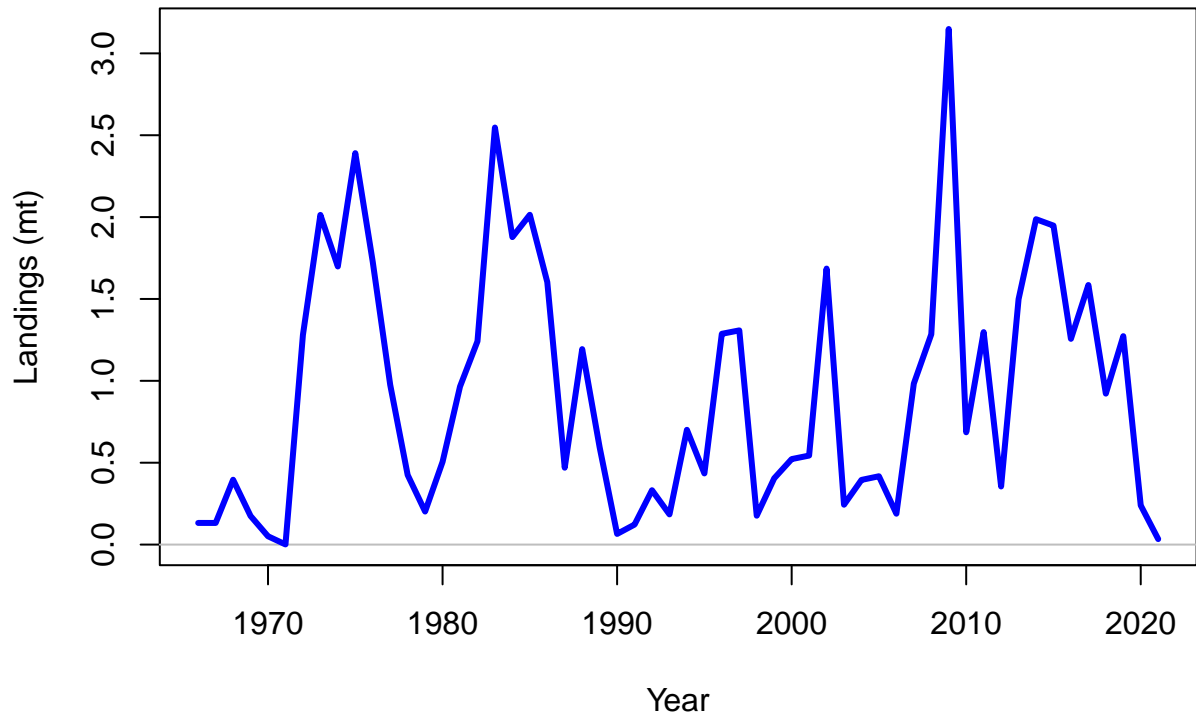


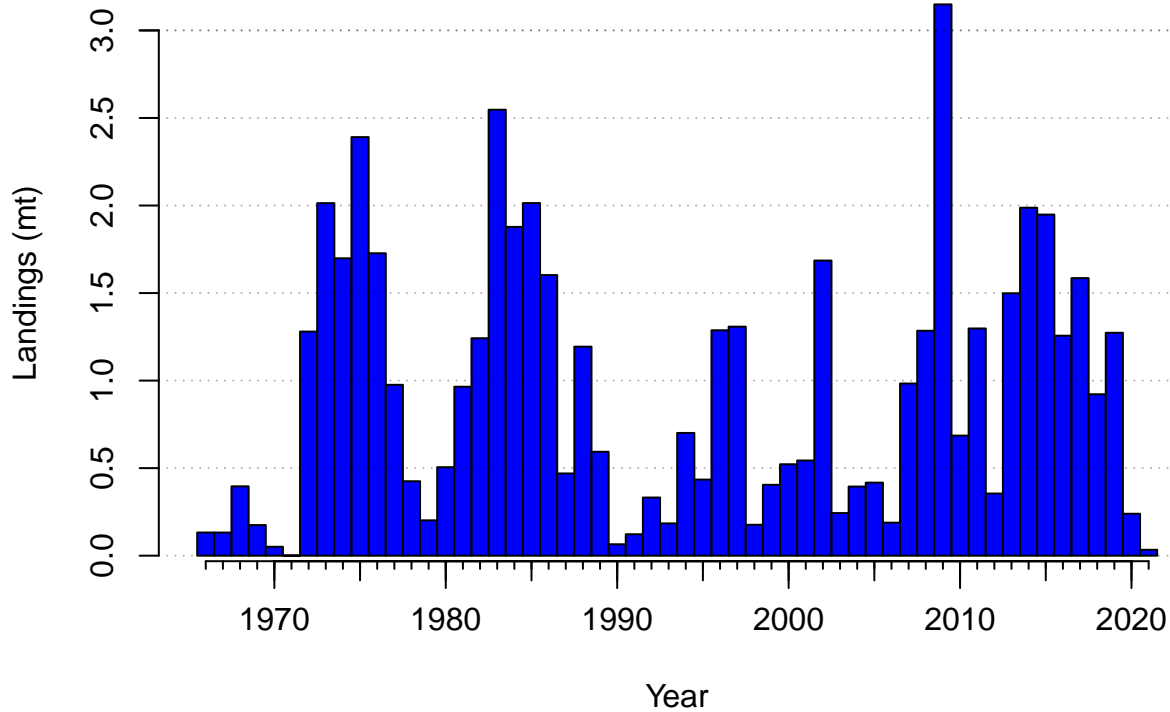


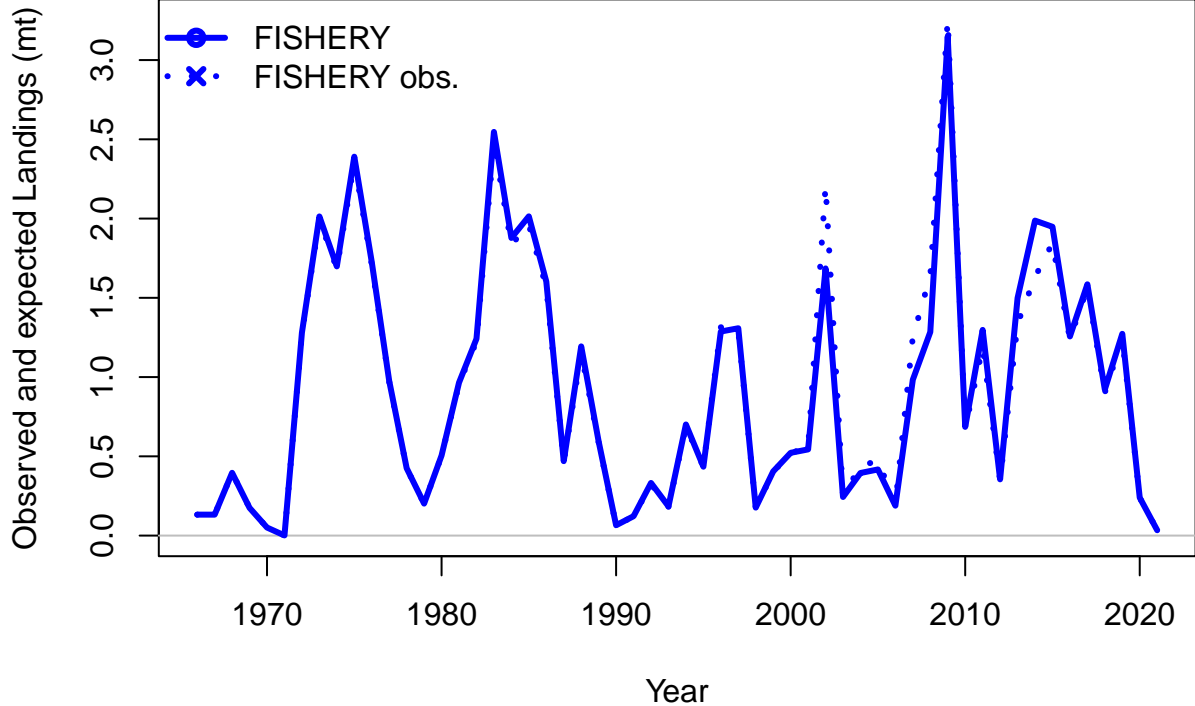


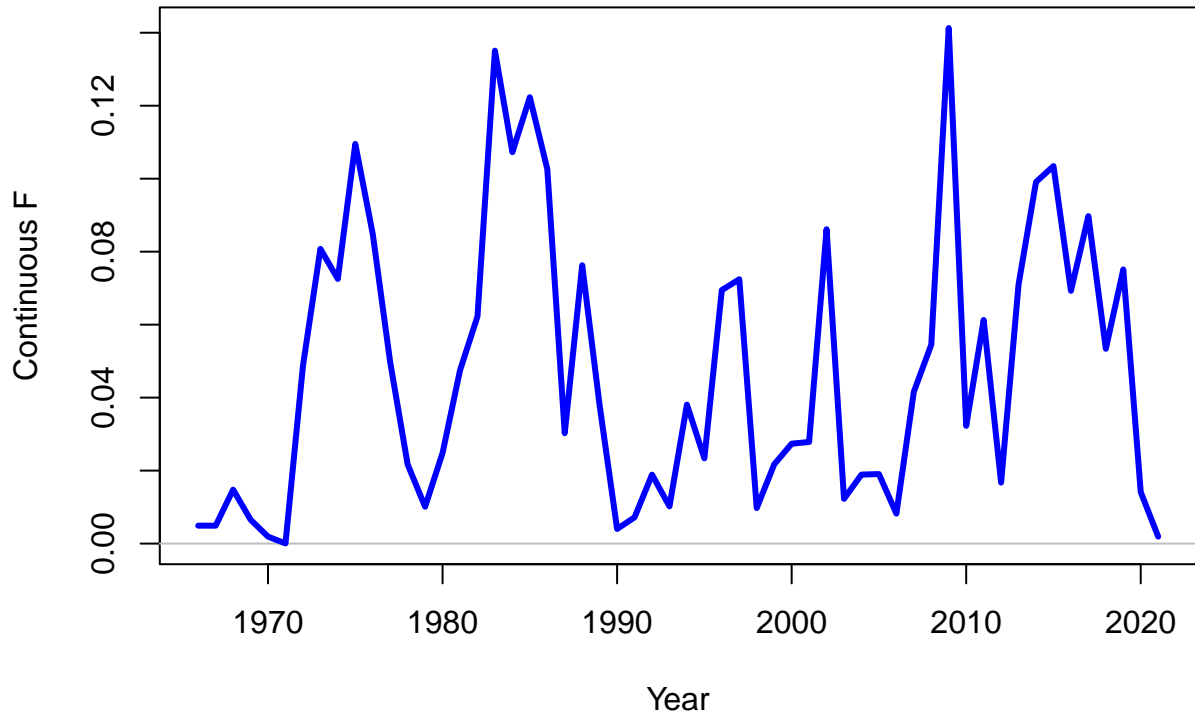
Log recruitment deviation



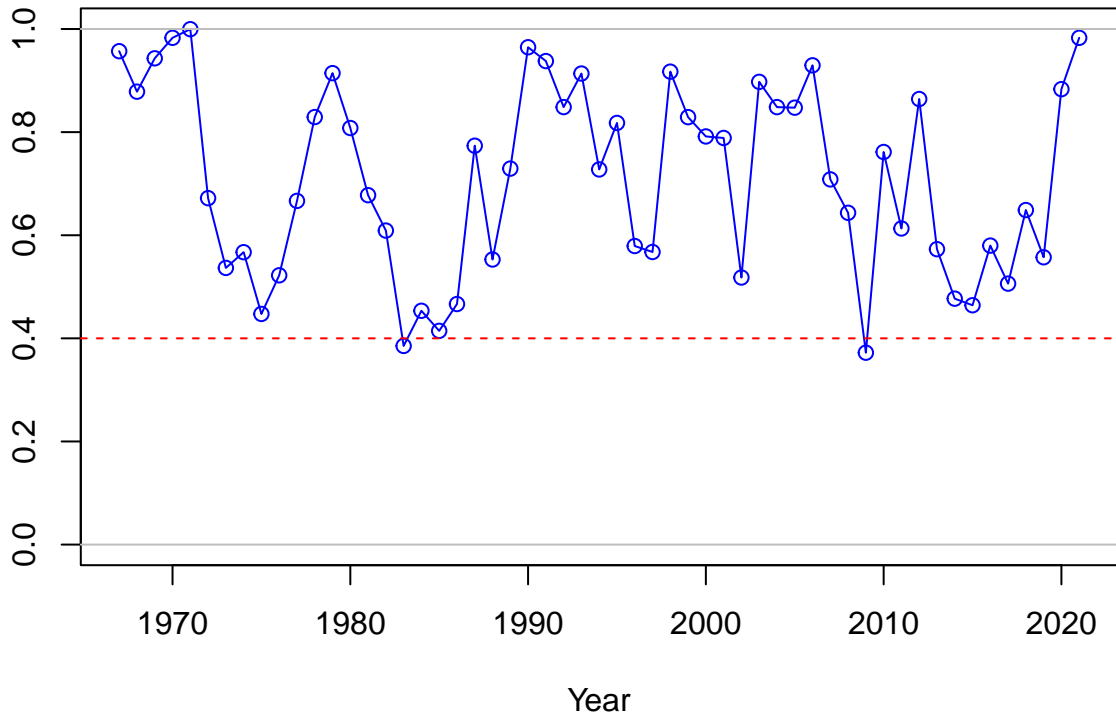




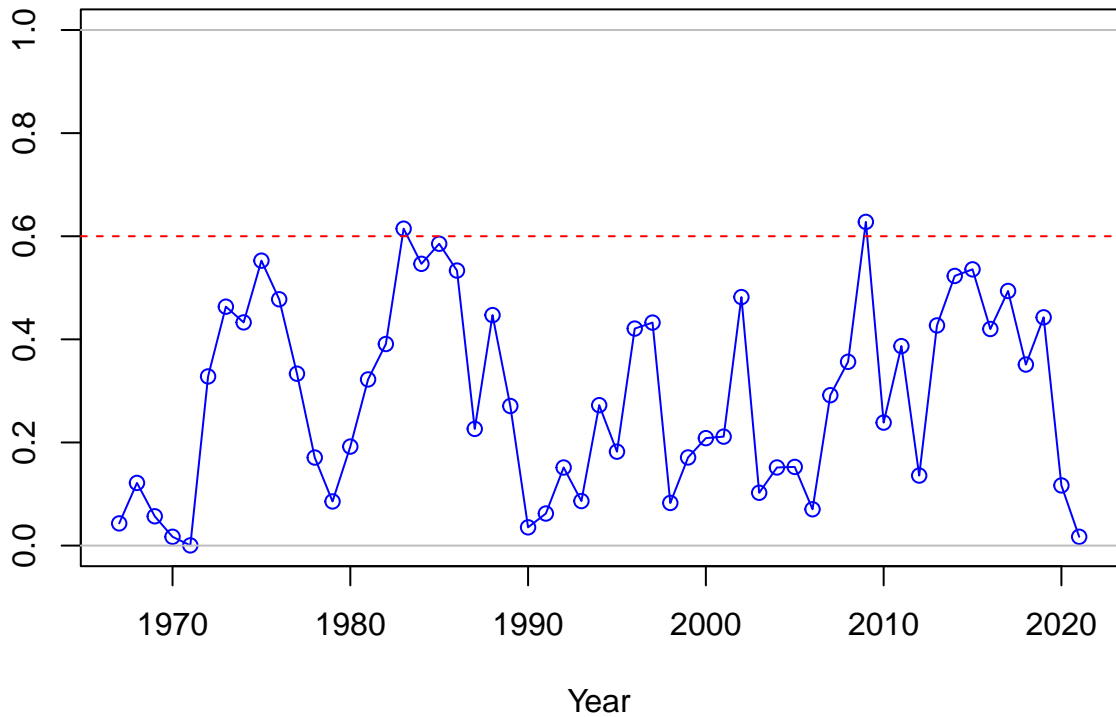




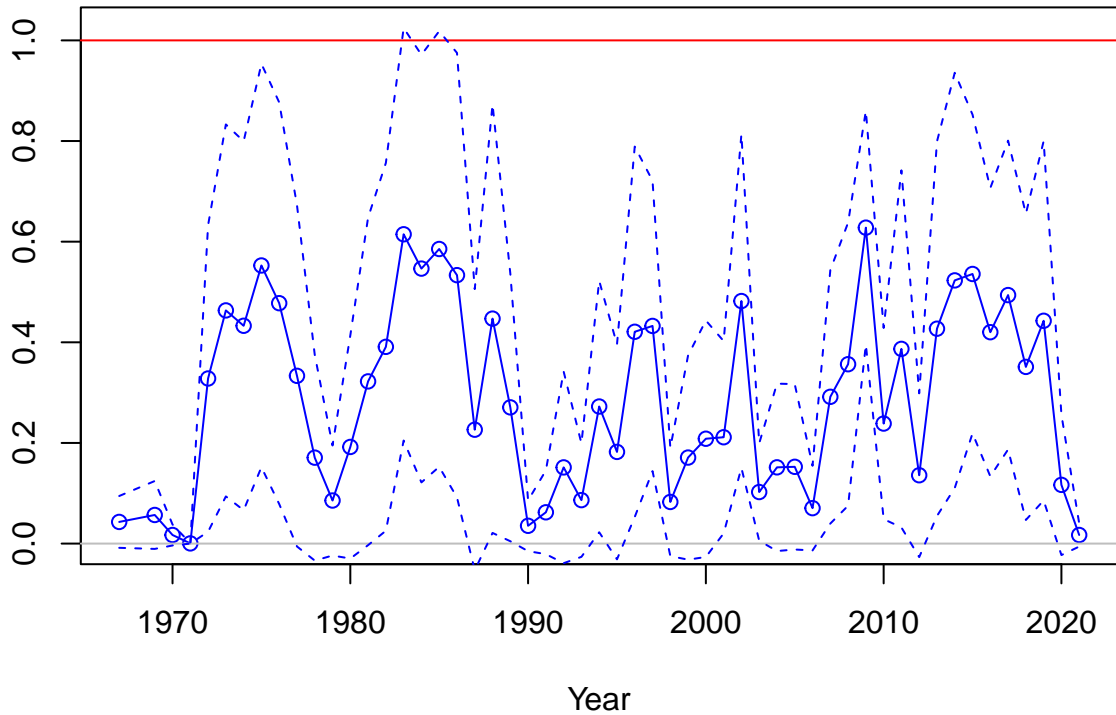
SPR



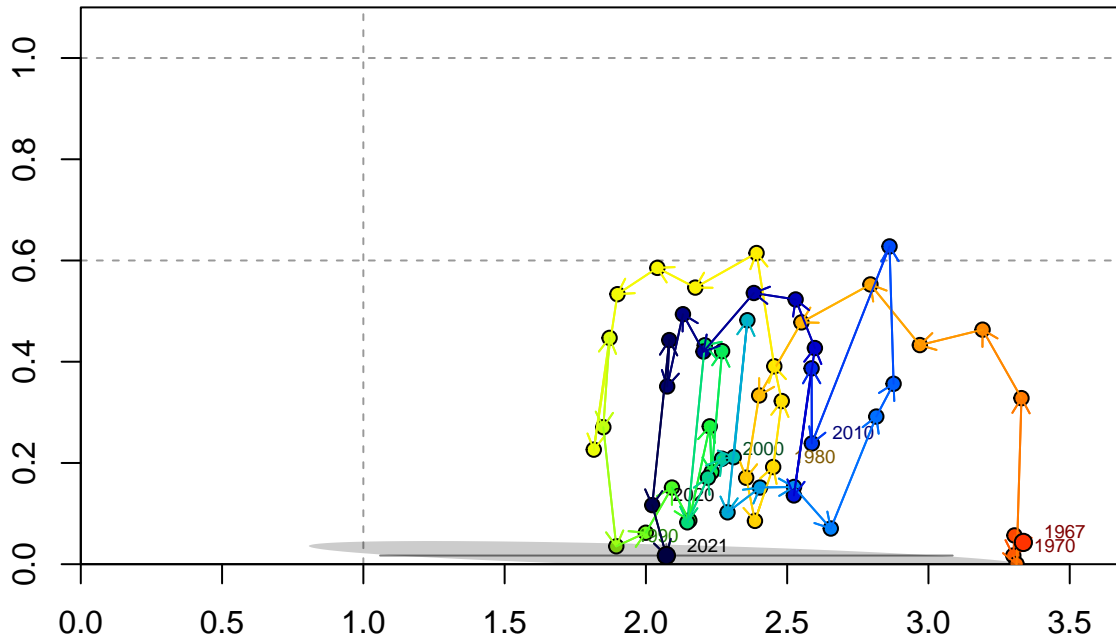
1-SPR



Fishing intensity: 1-SPR

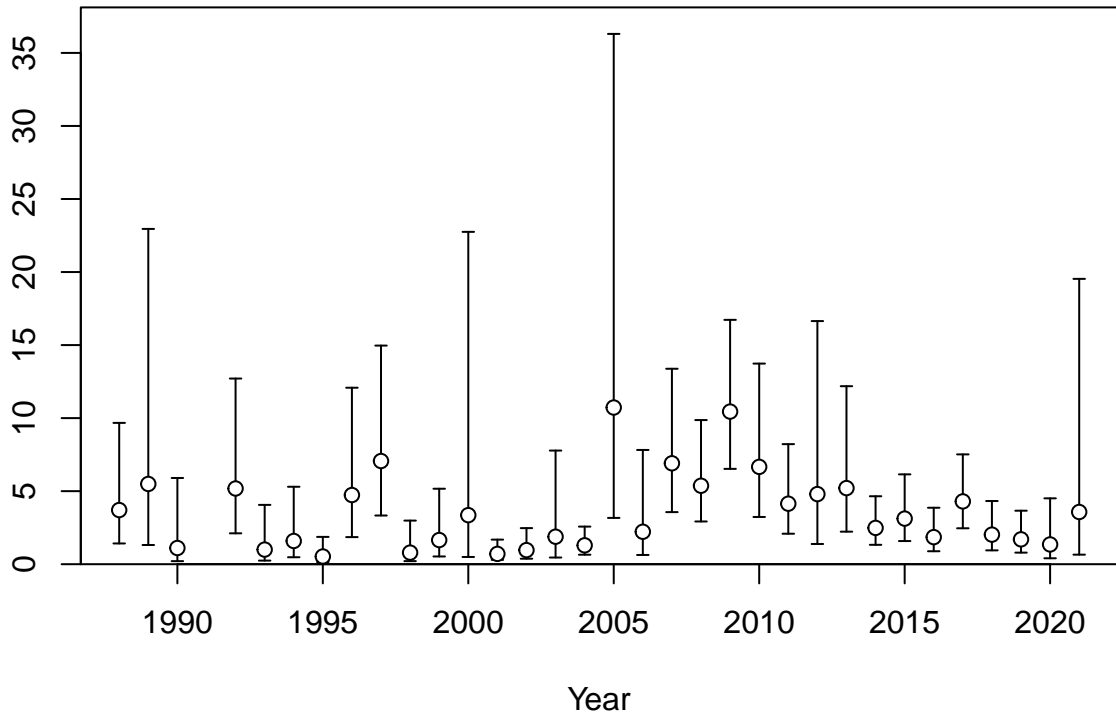


Fishing intensity: 1-SPR

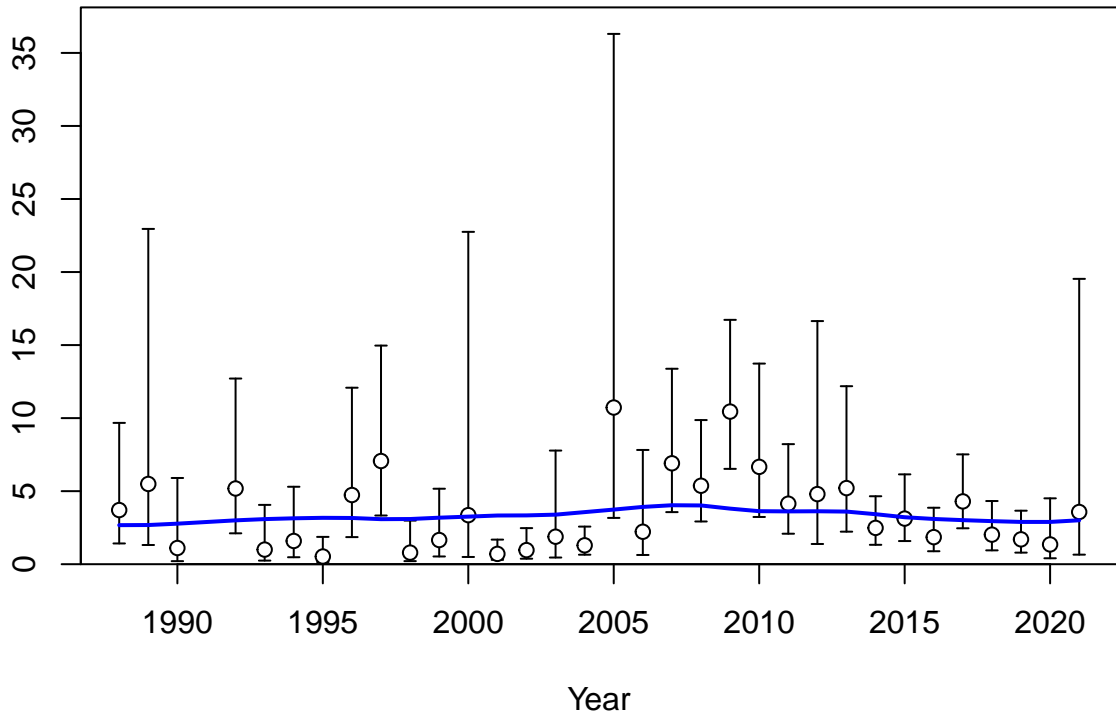


Relative spawning output: B/B_{MS}

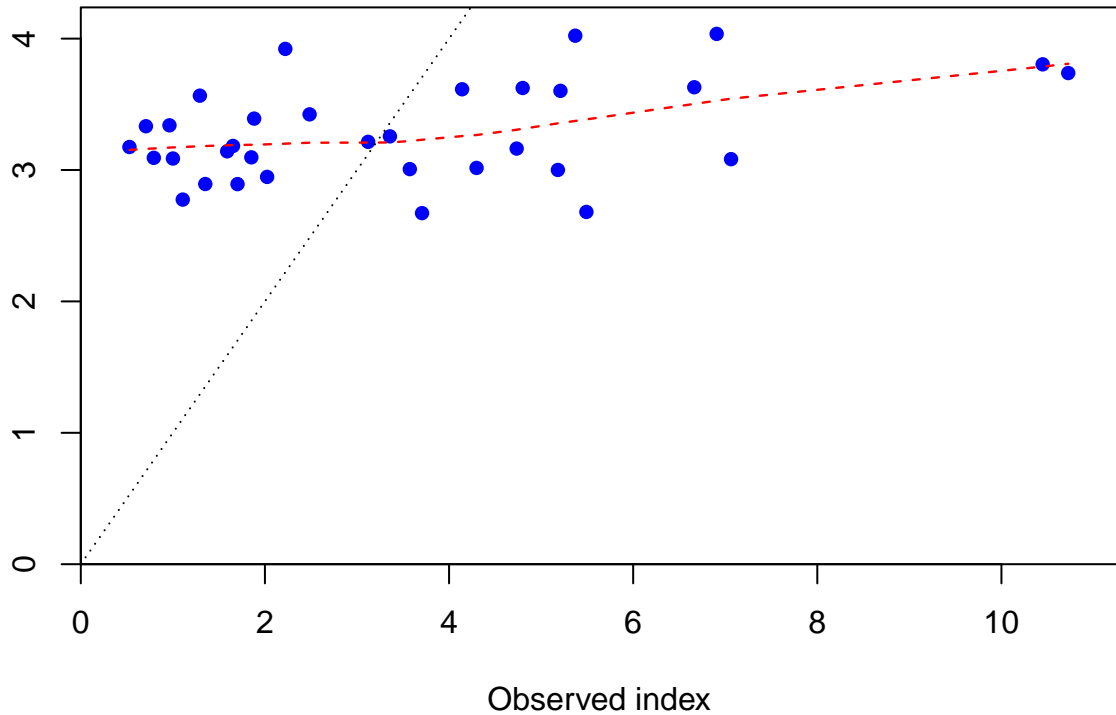
Index



Index



Expected index



Log index

3
2
1
0
-1
-2

1990

1995

2000

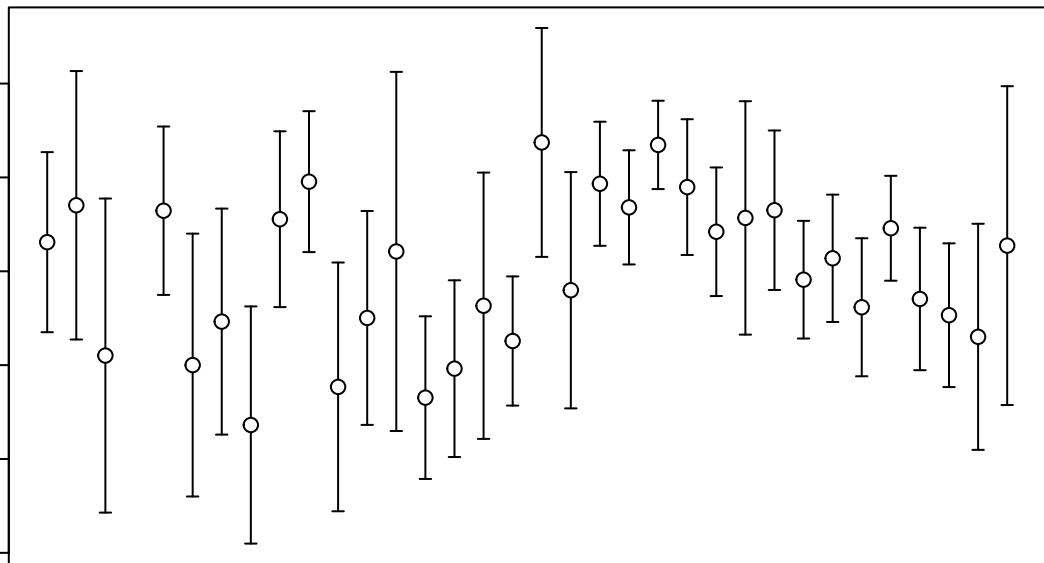
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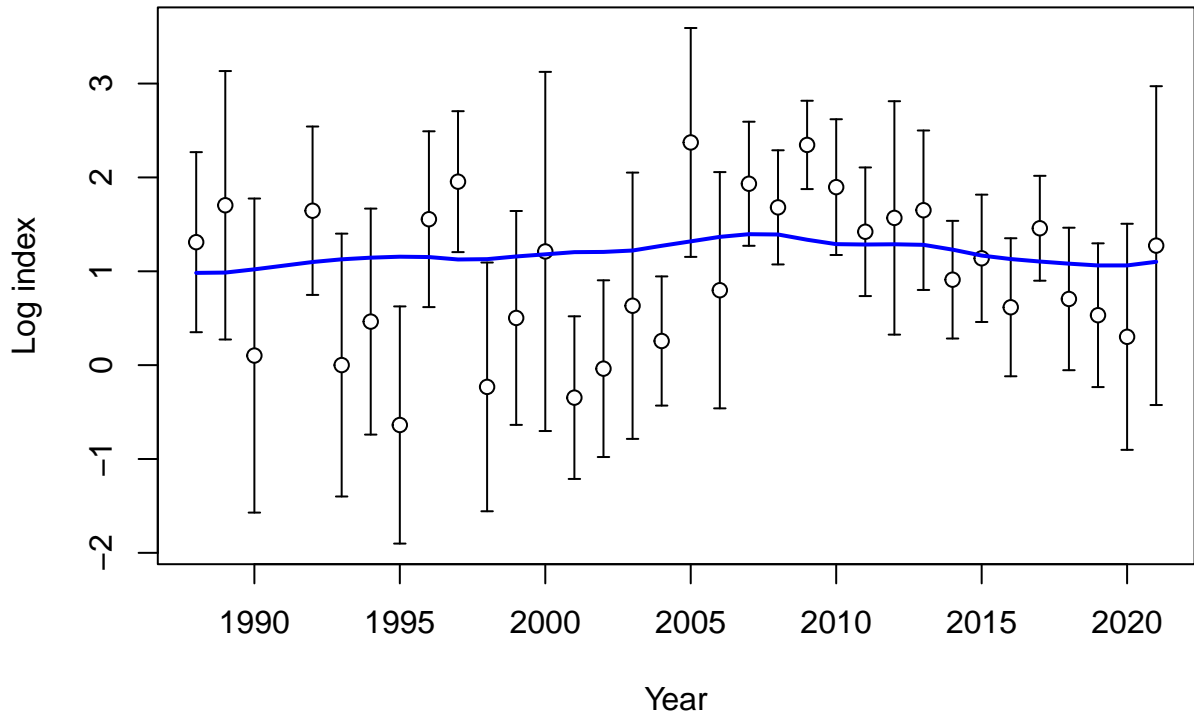
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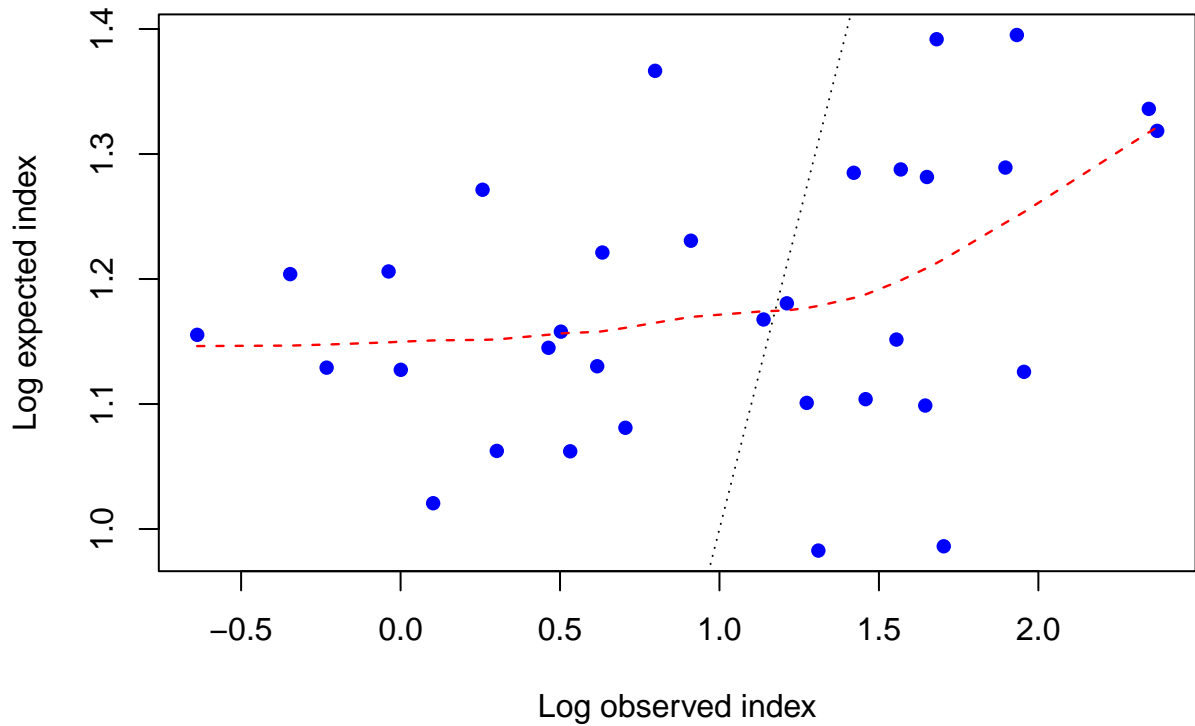
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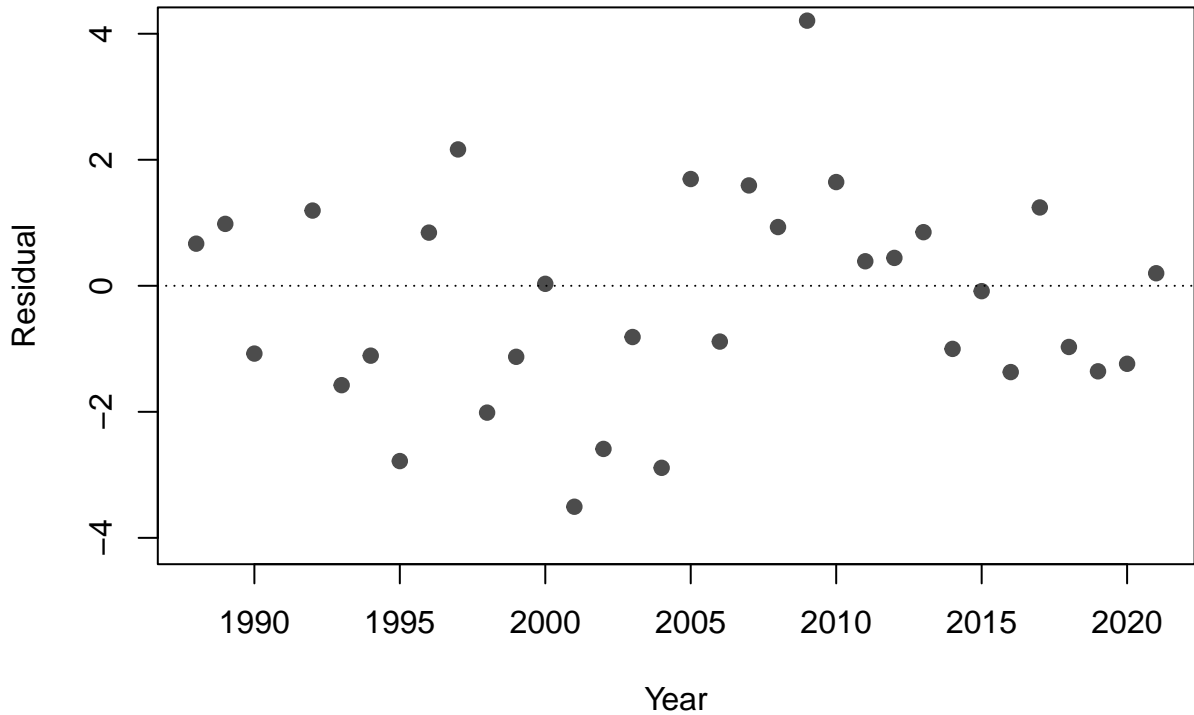
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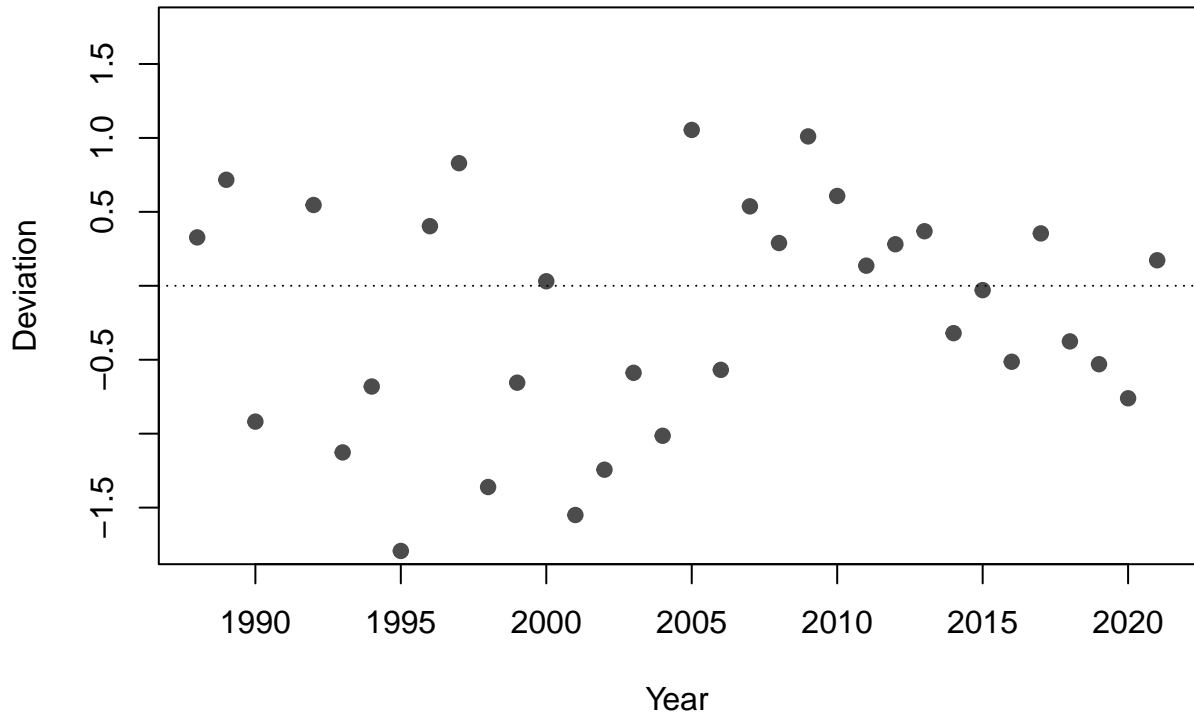
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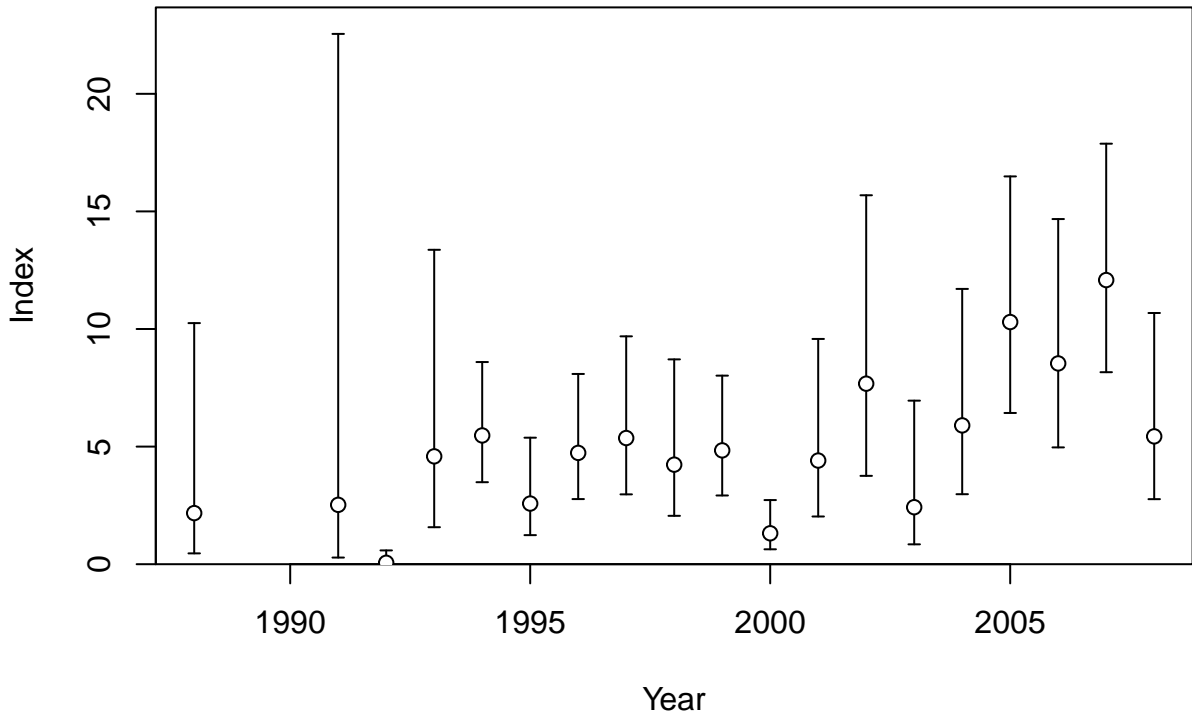


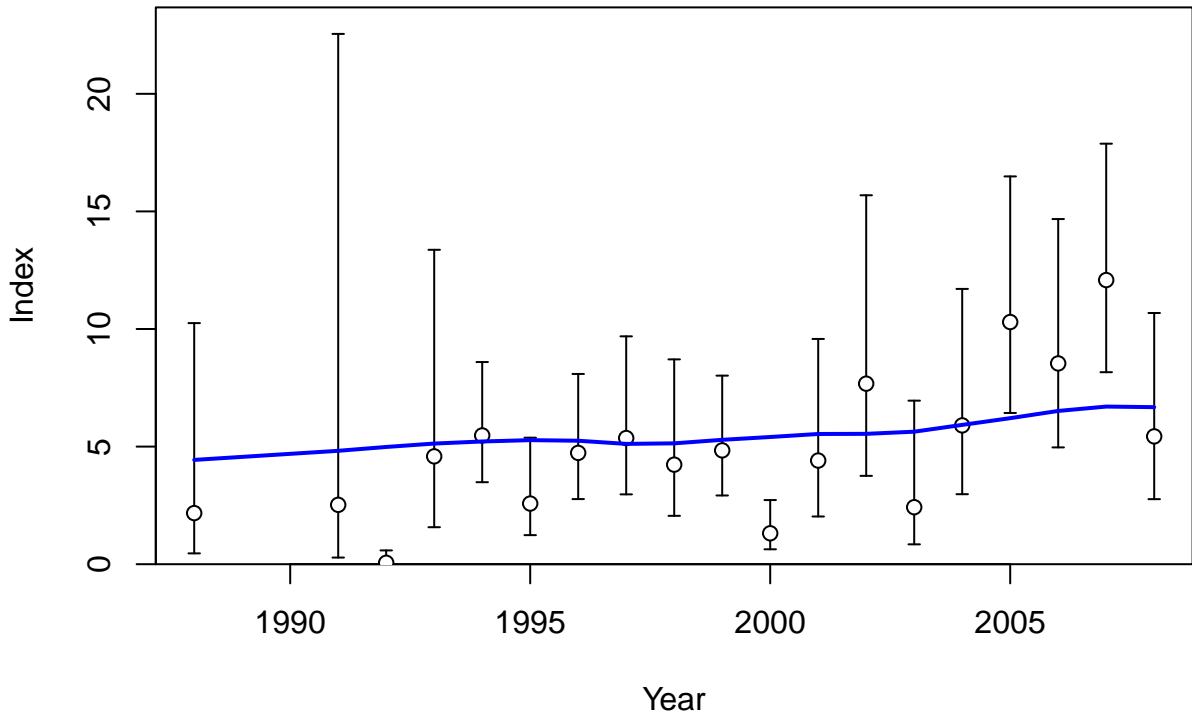


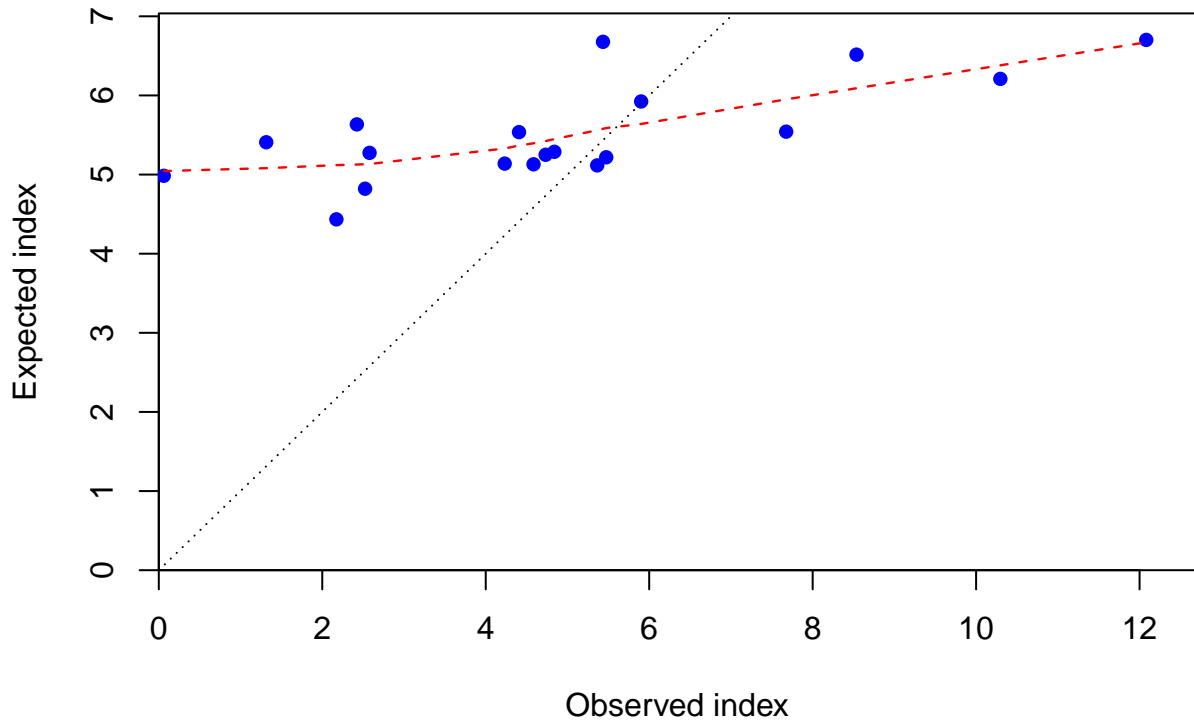


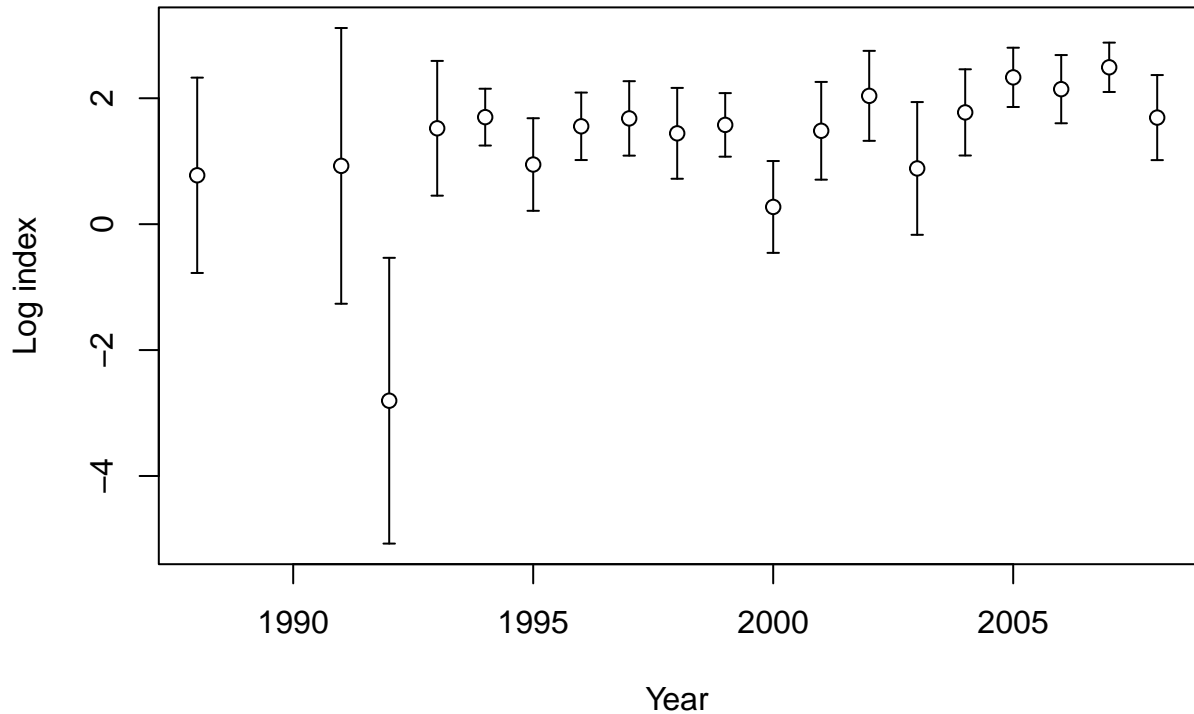


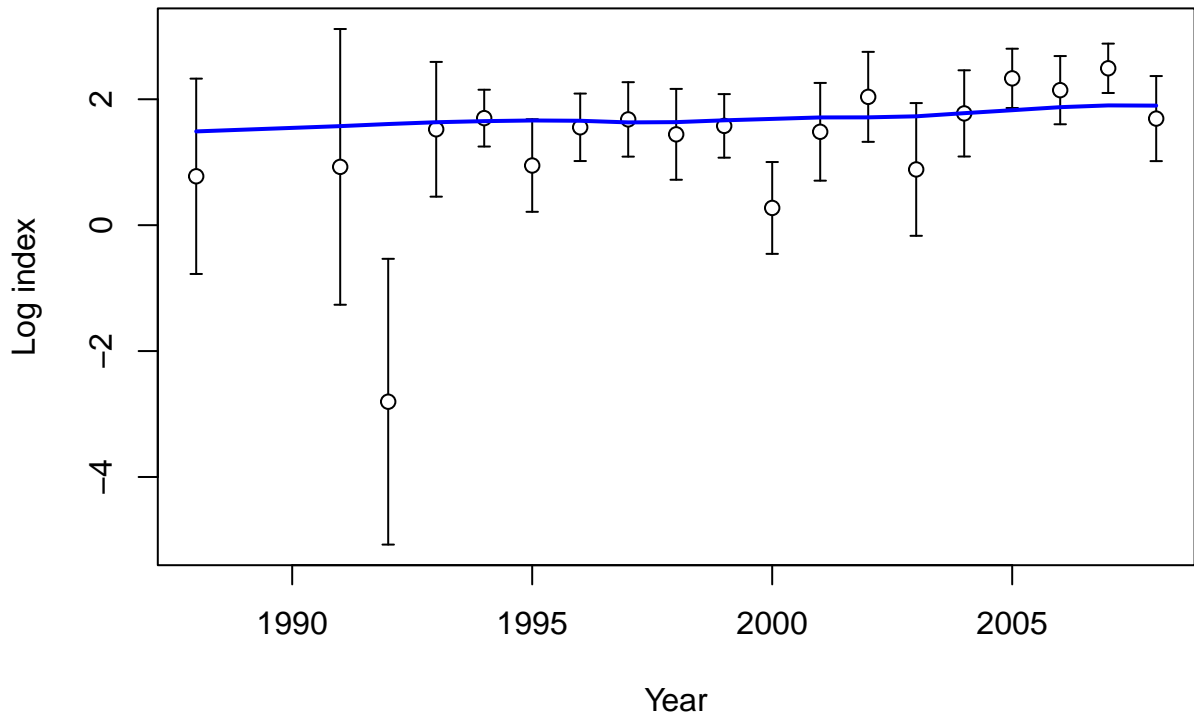


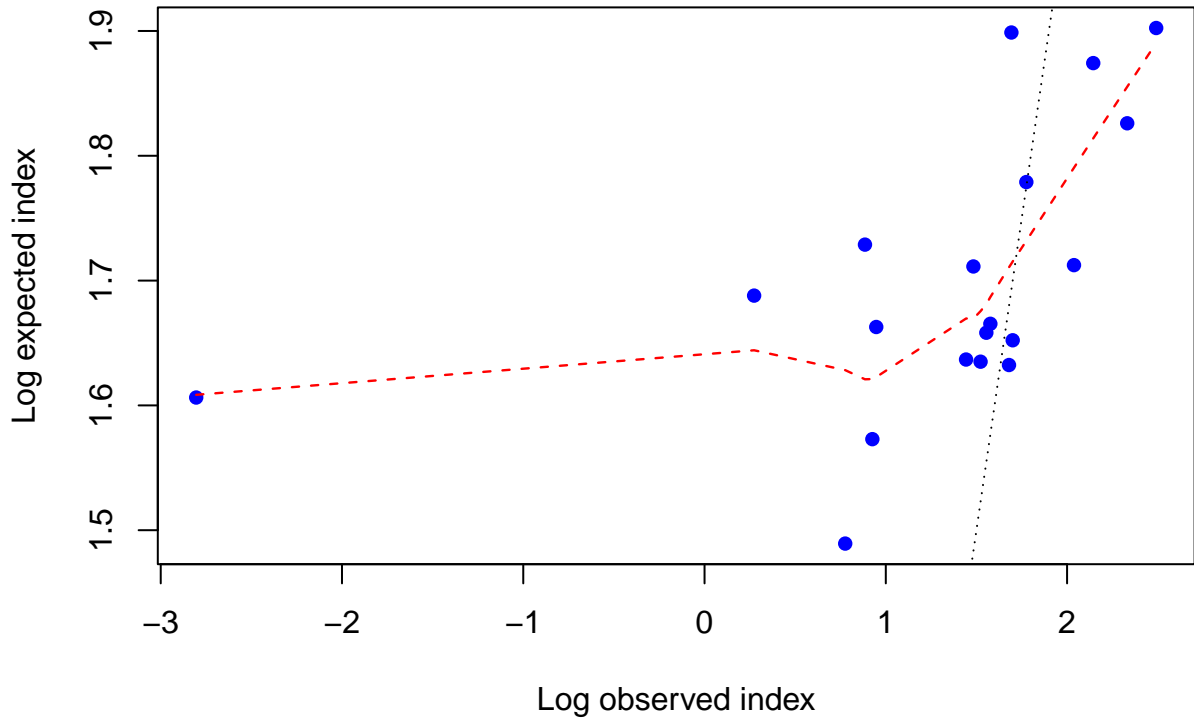


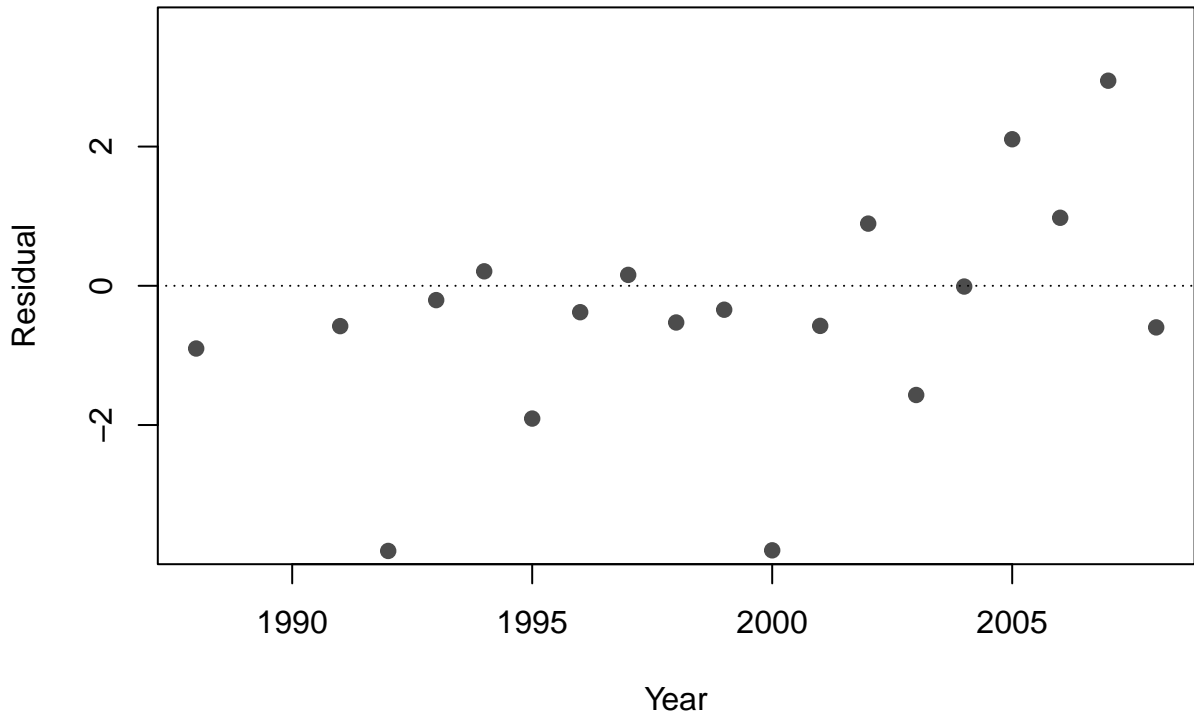


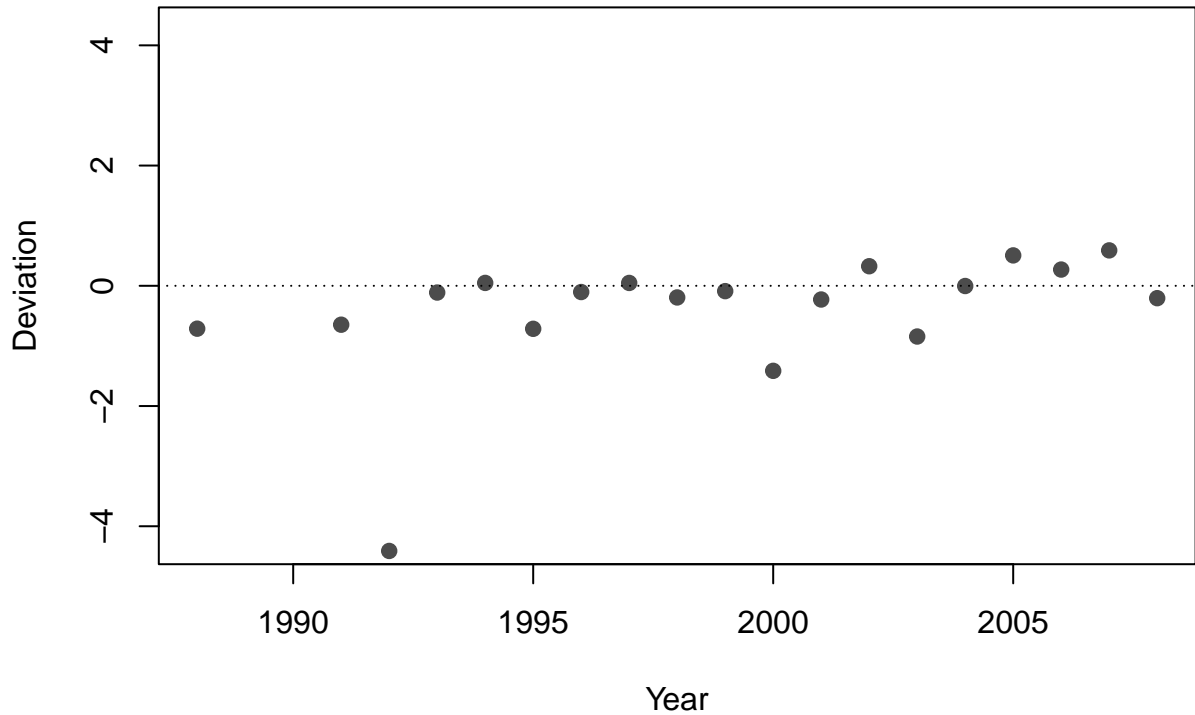




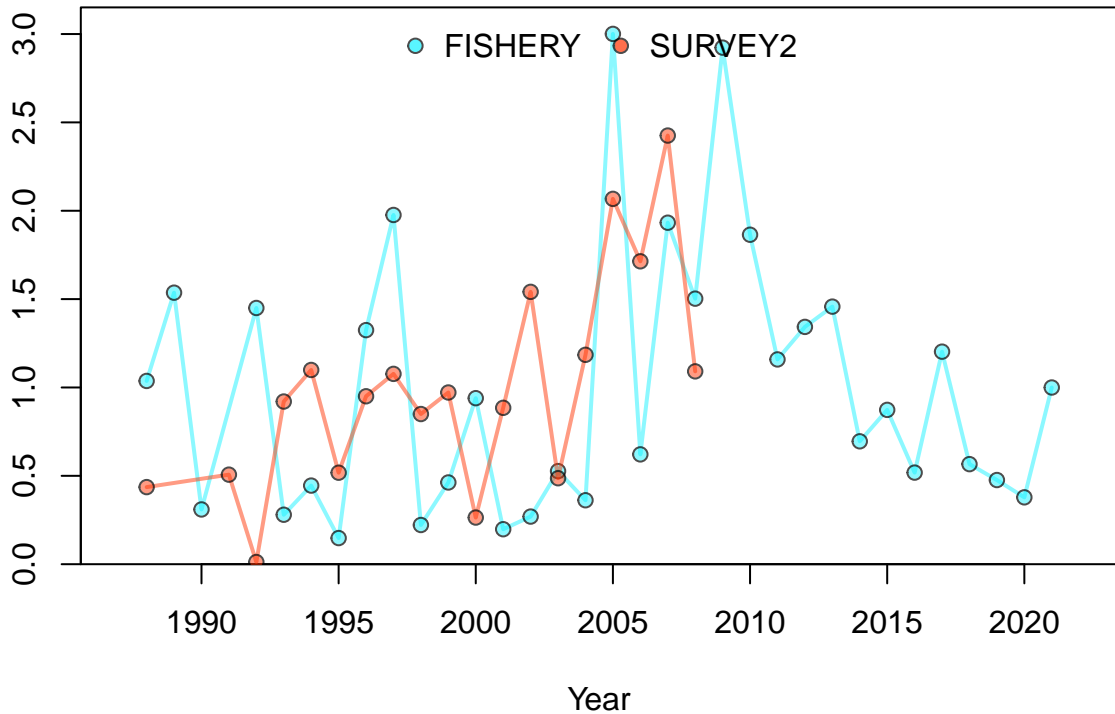


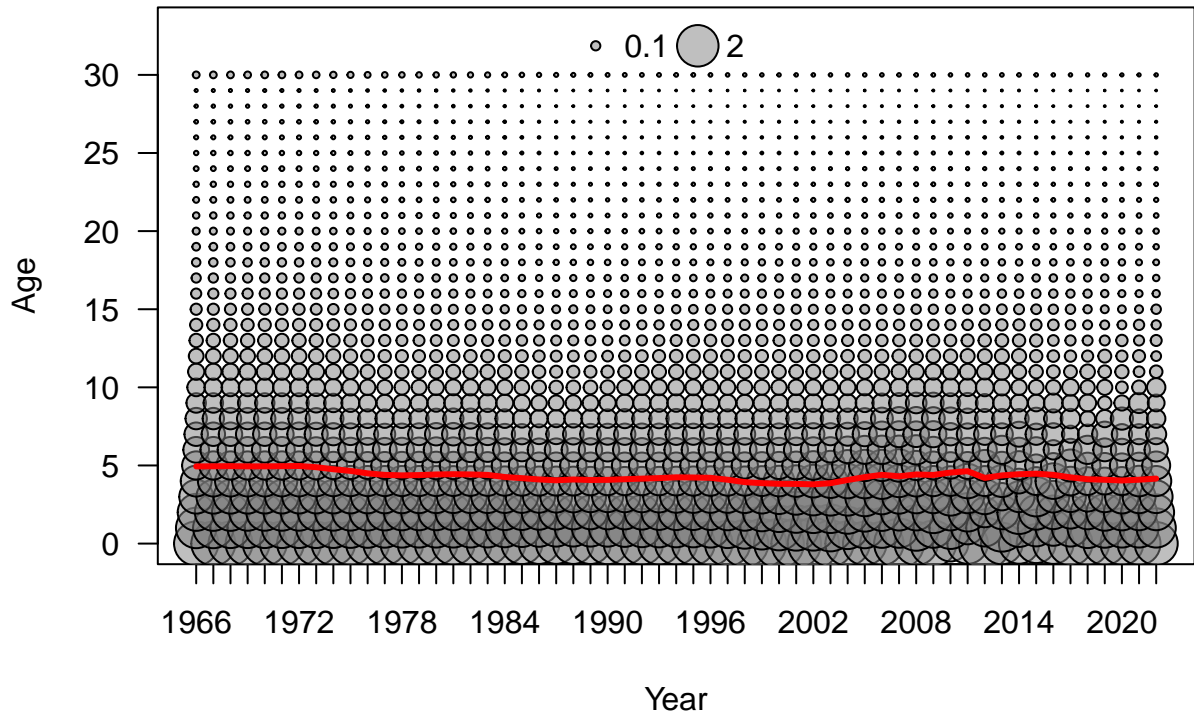


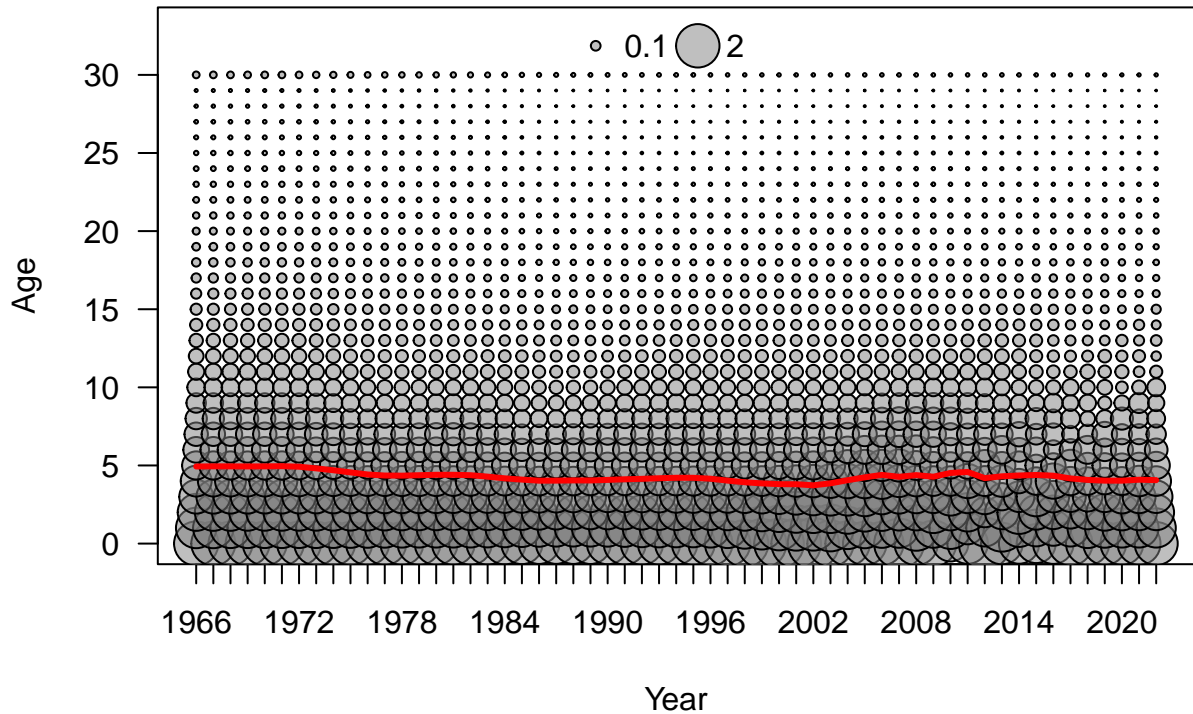


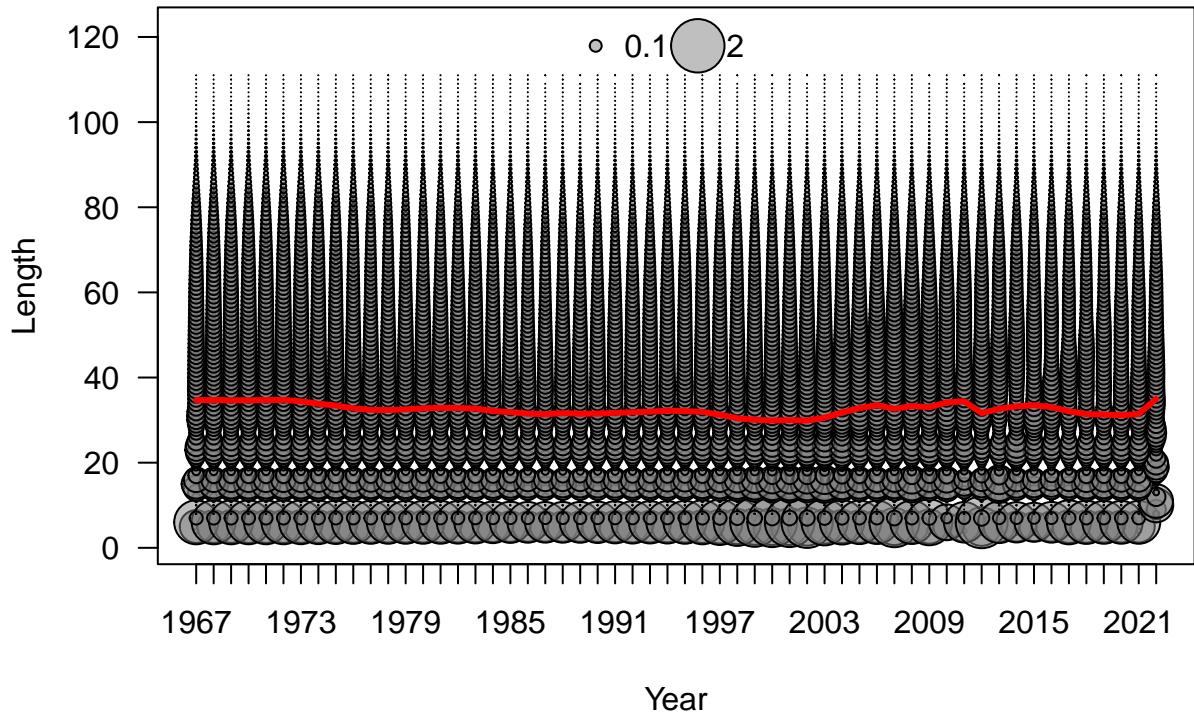


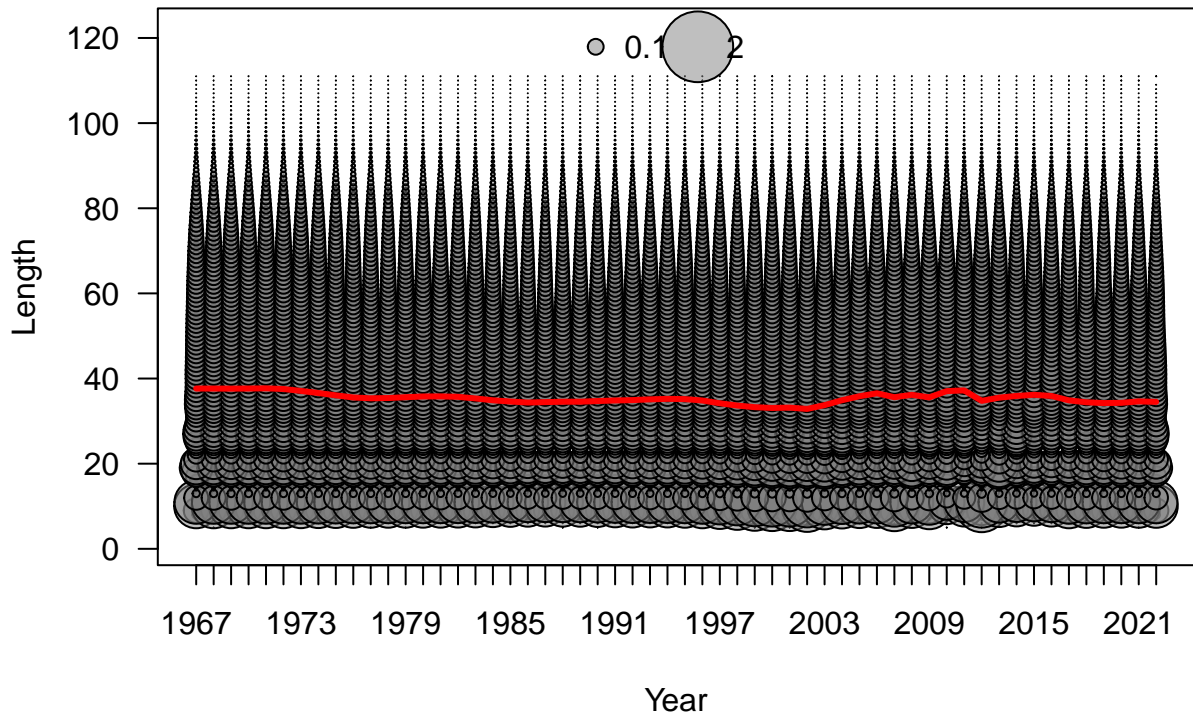
Standardized index

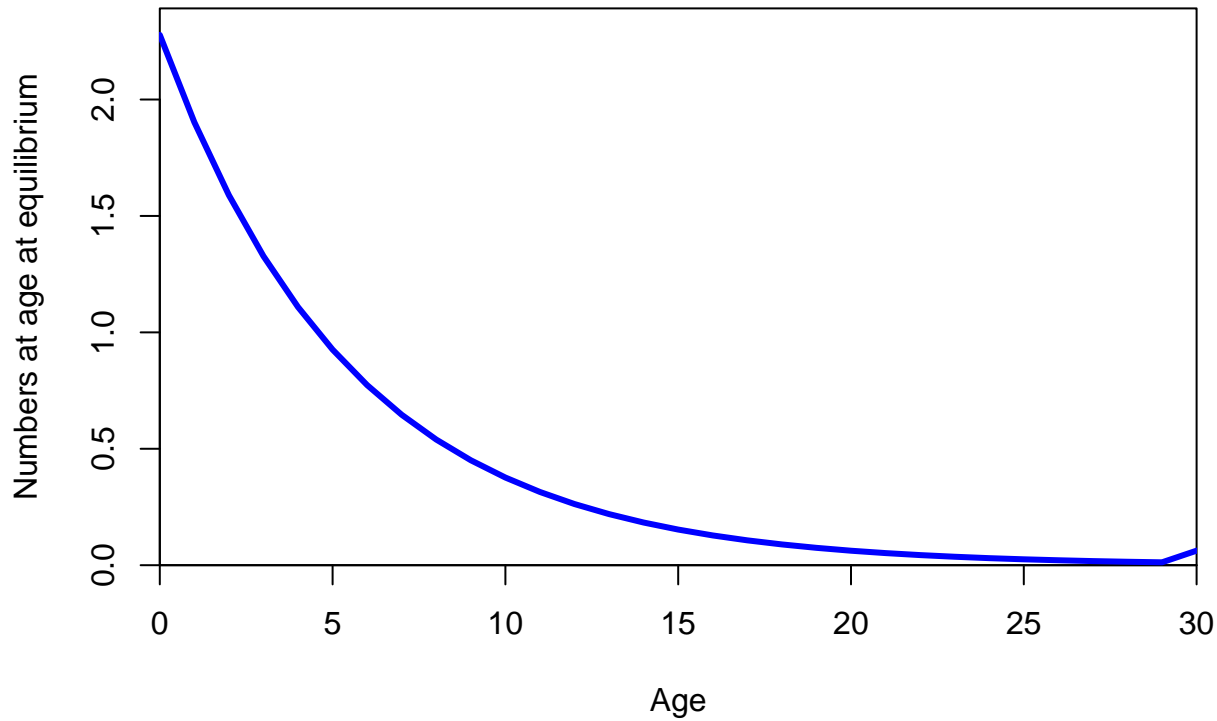






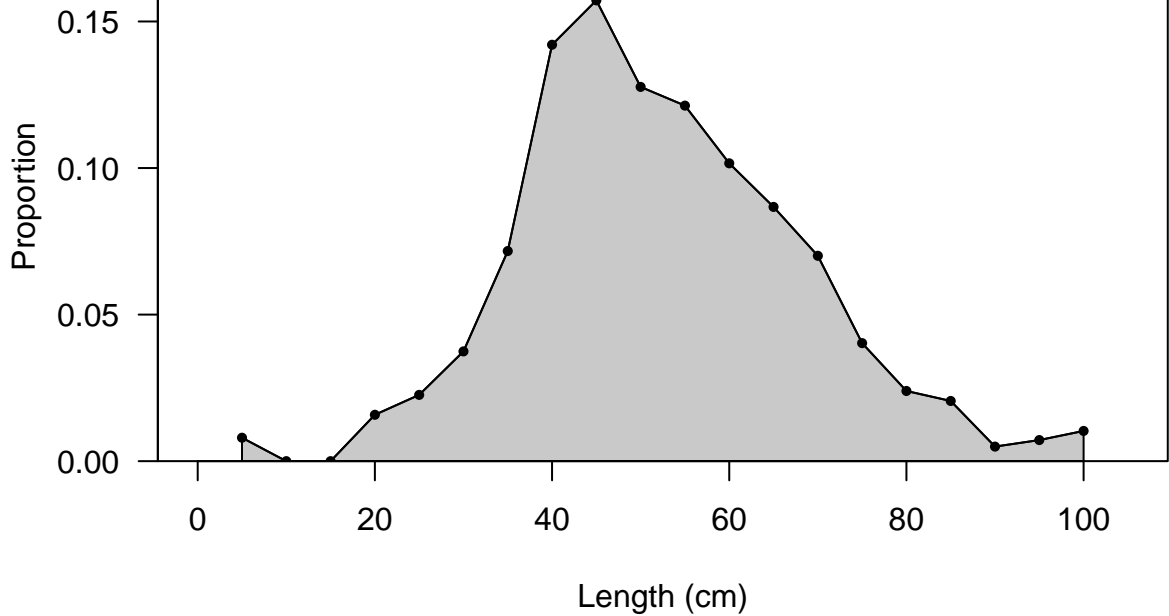


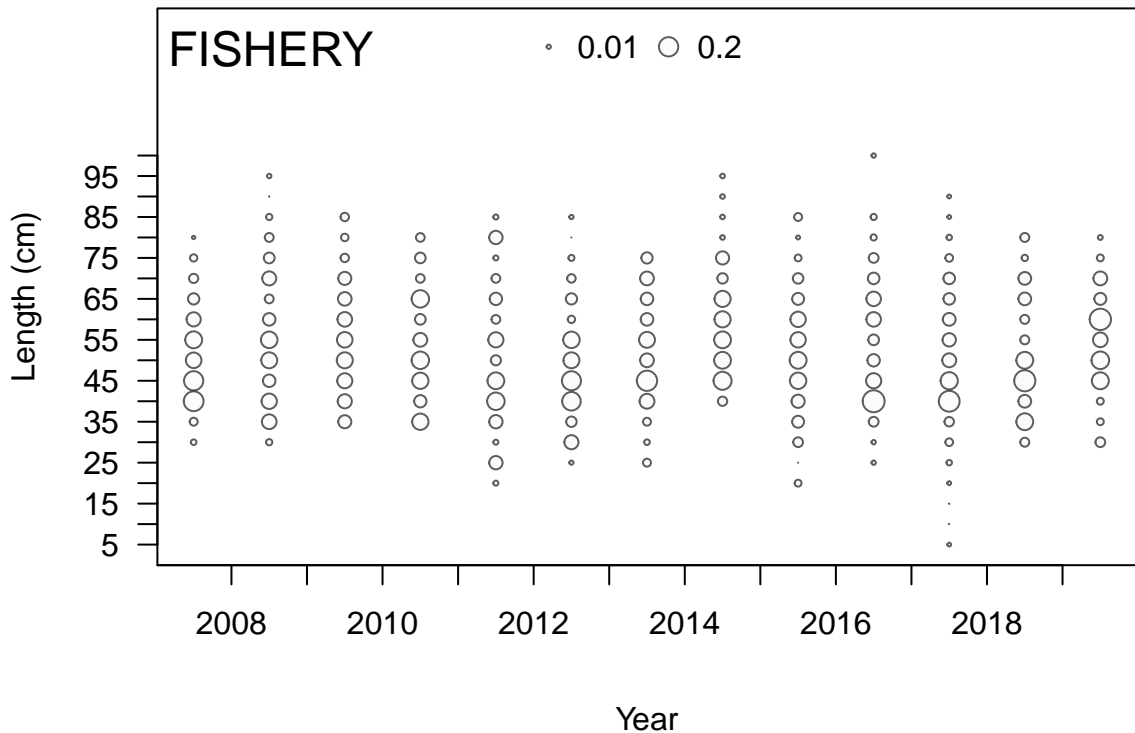




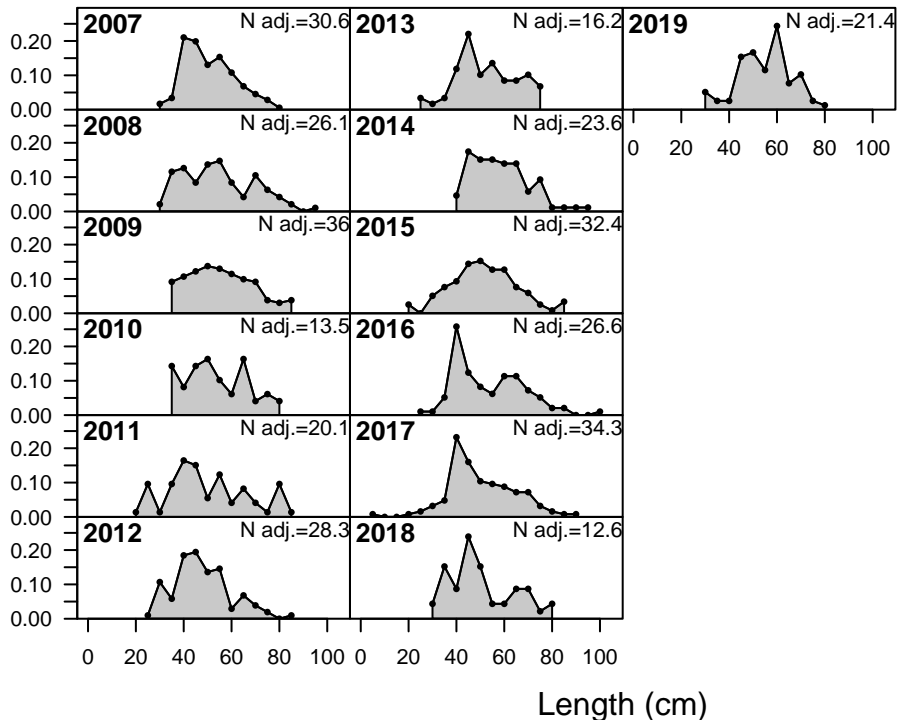
FISHERY

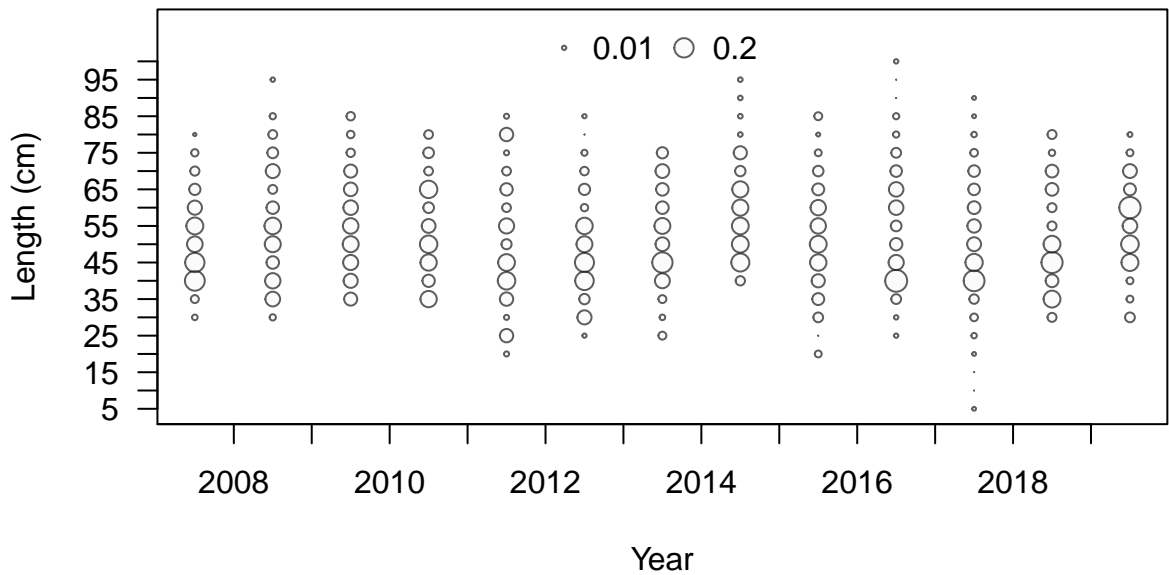
Sum of N adj.=321.7



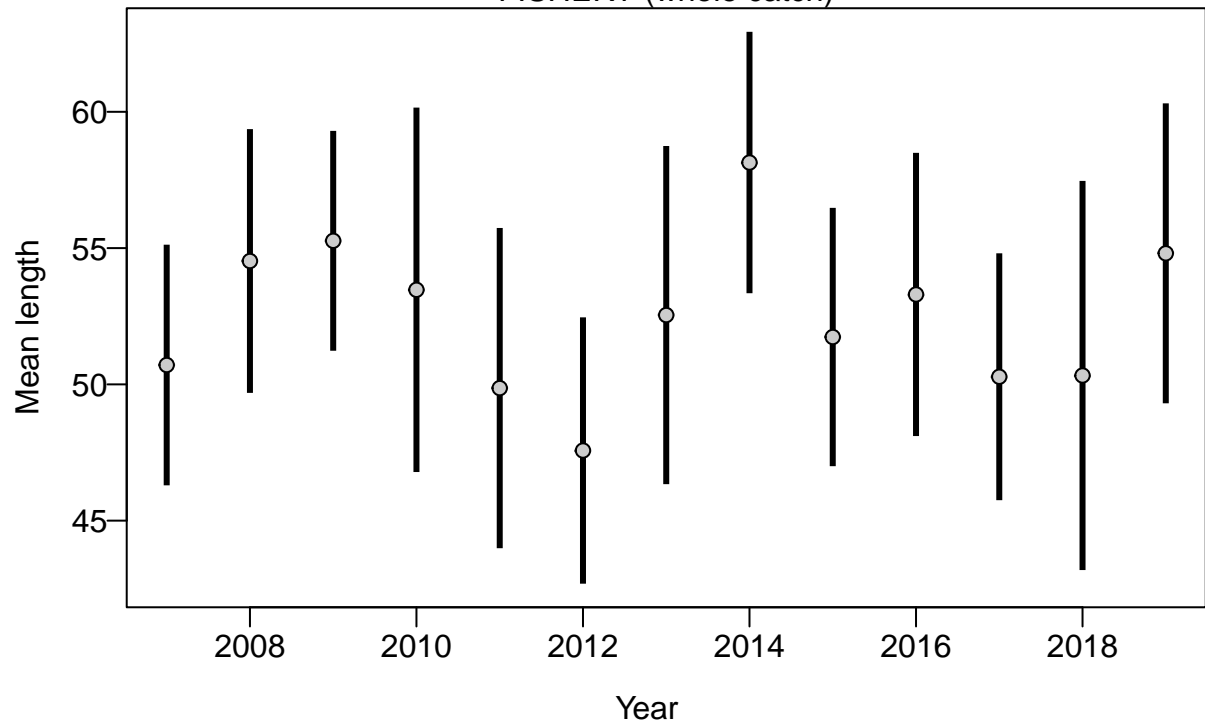


Proportion



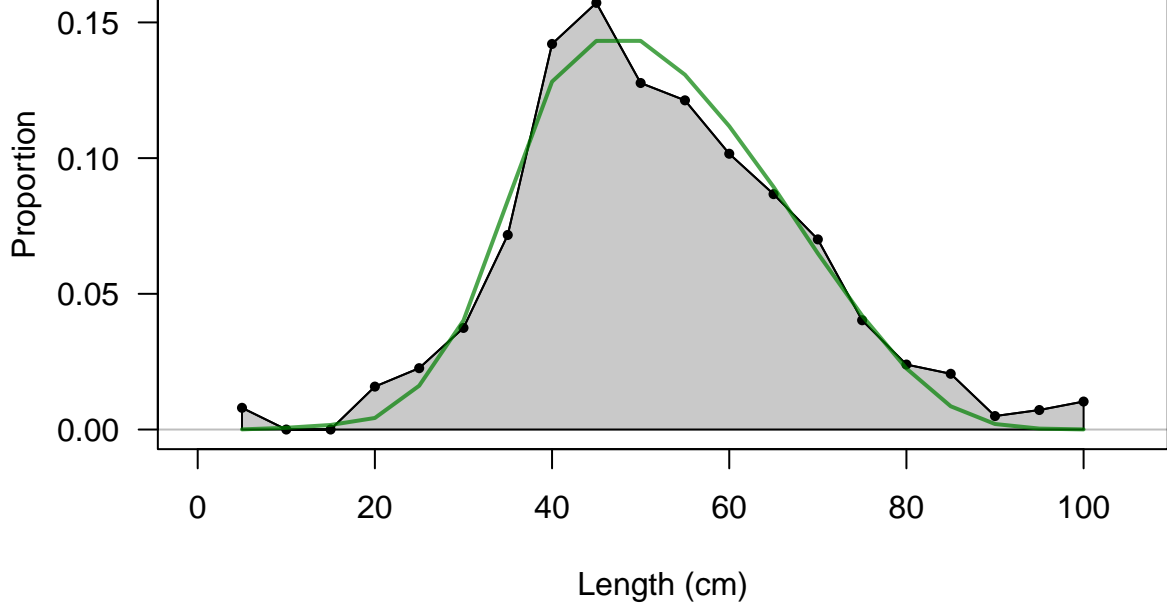


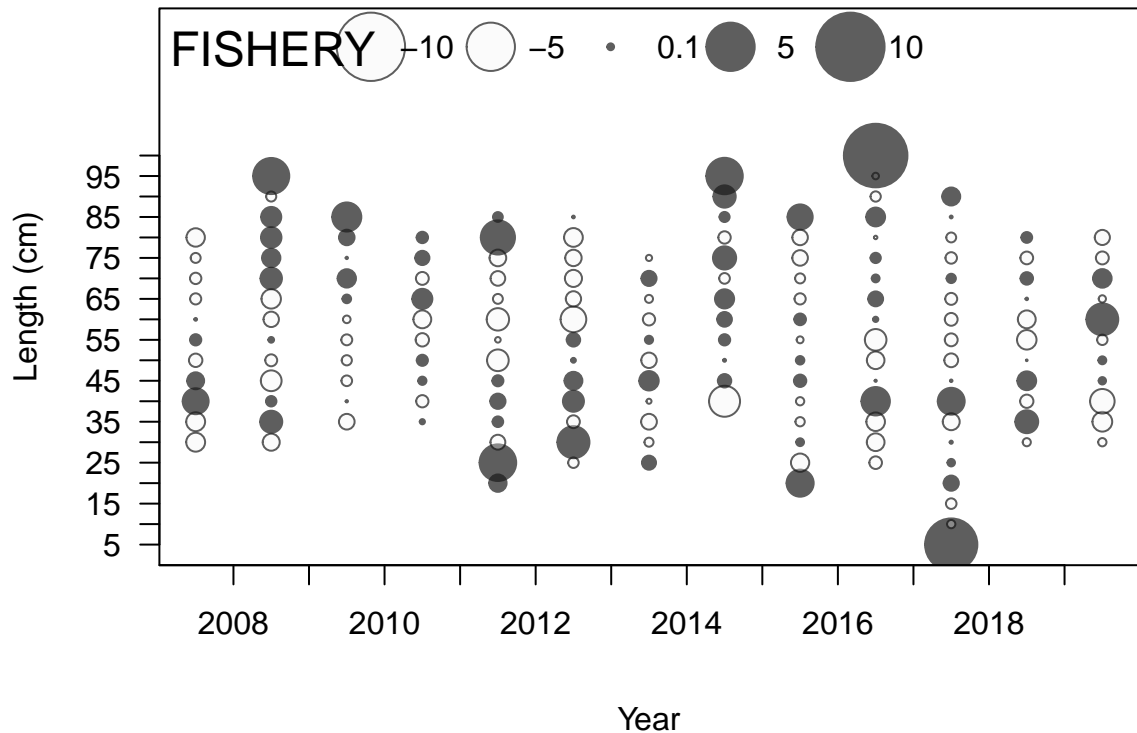
FISHERY (whole catch)



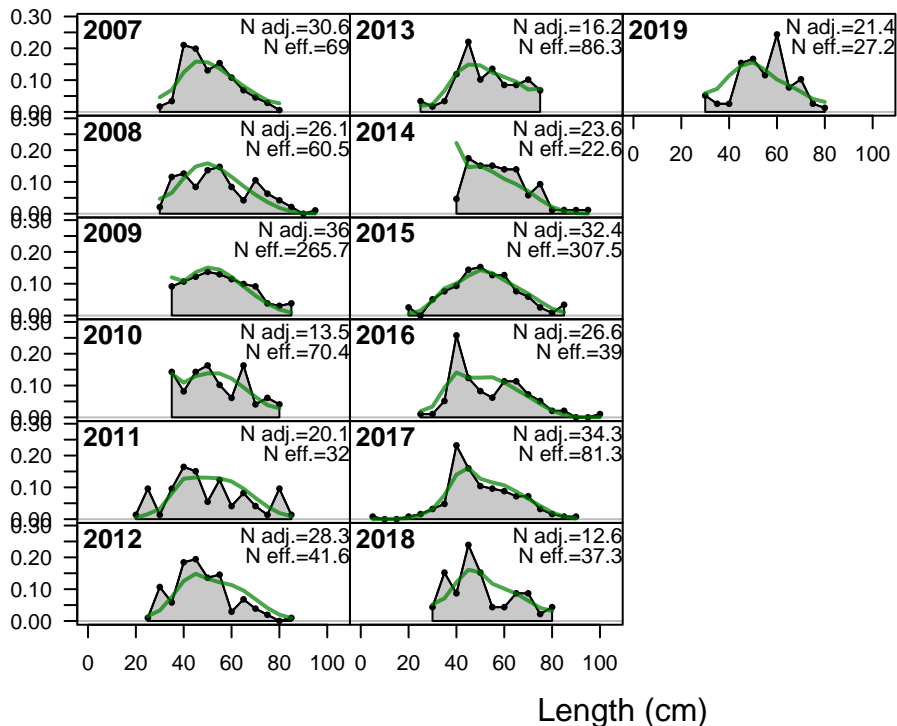
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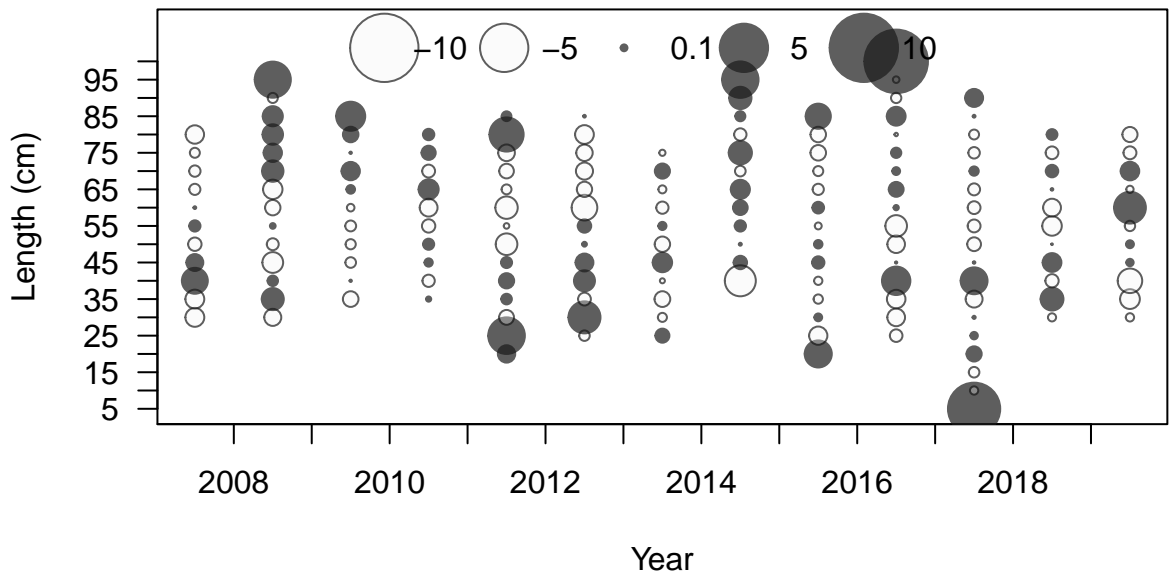
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Sum of N eff.=1140.3

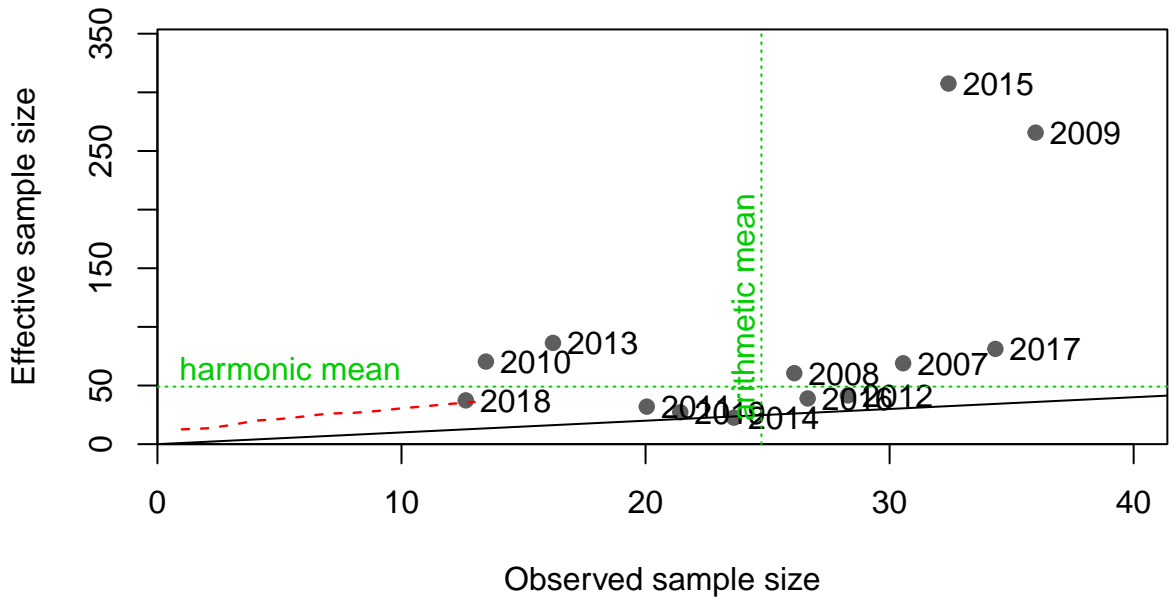




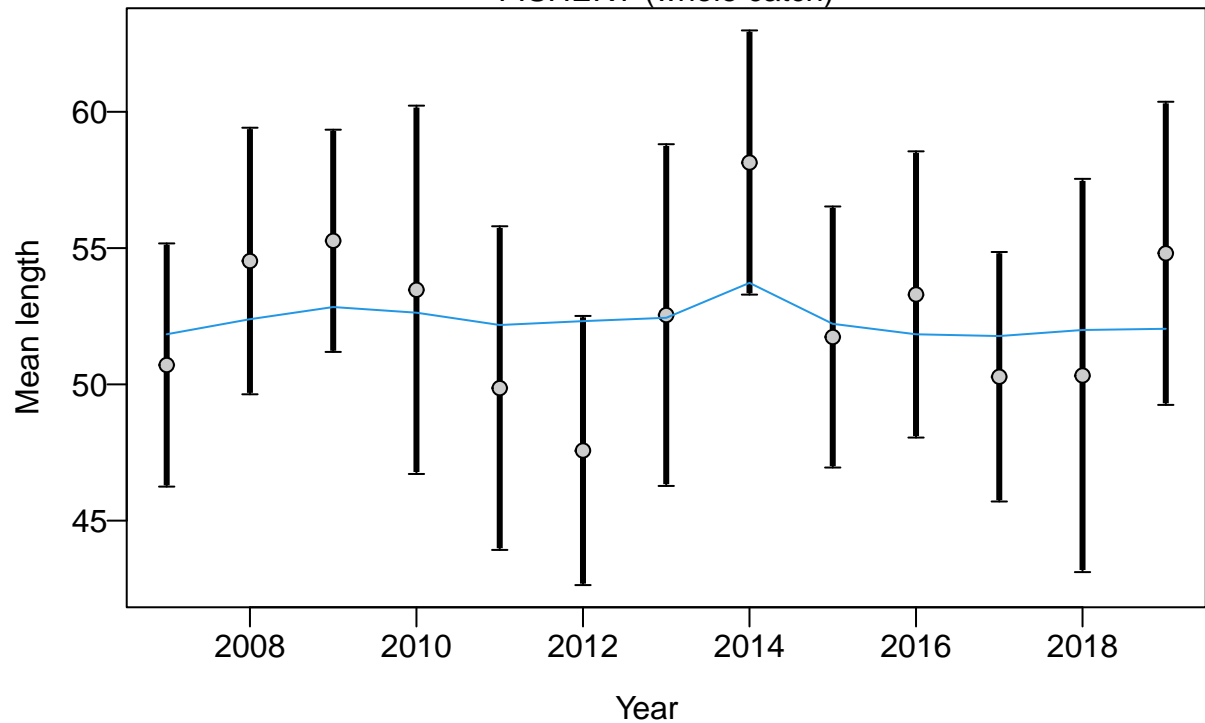
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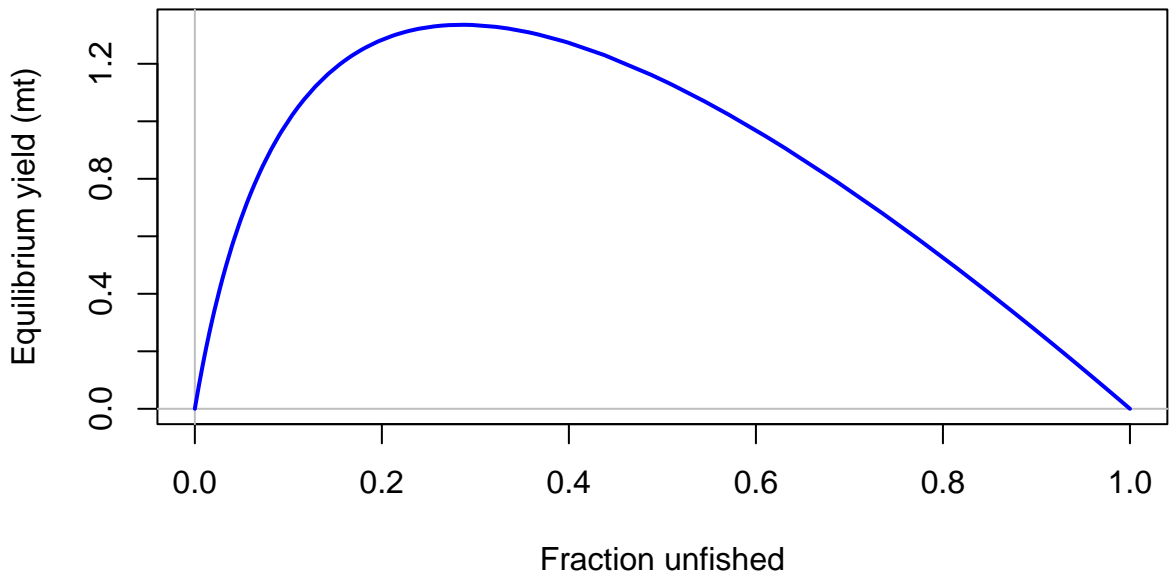


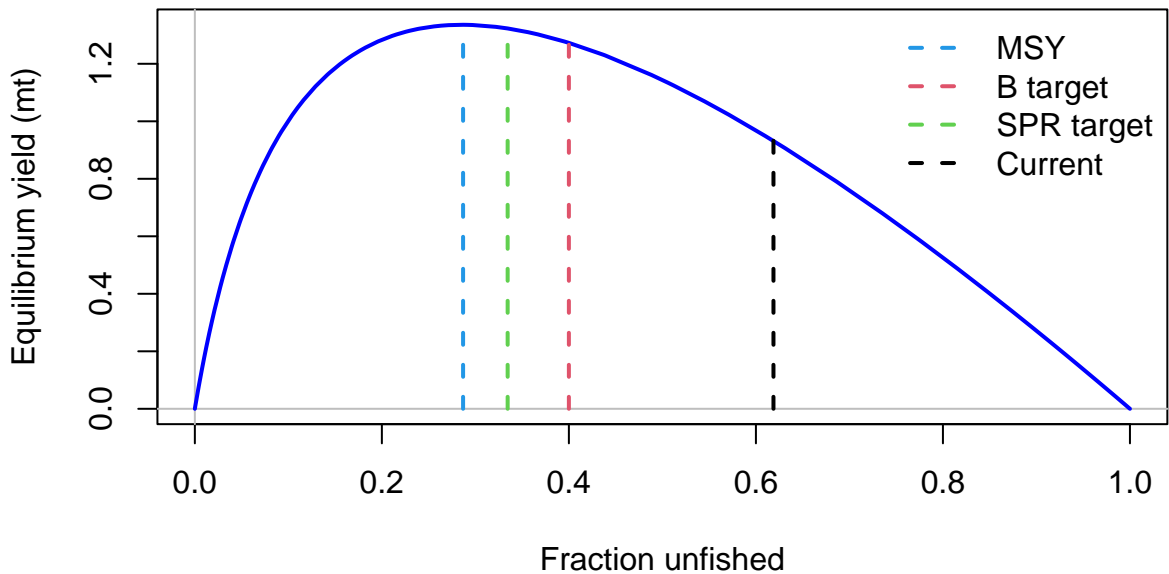


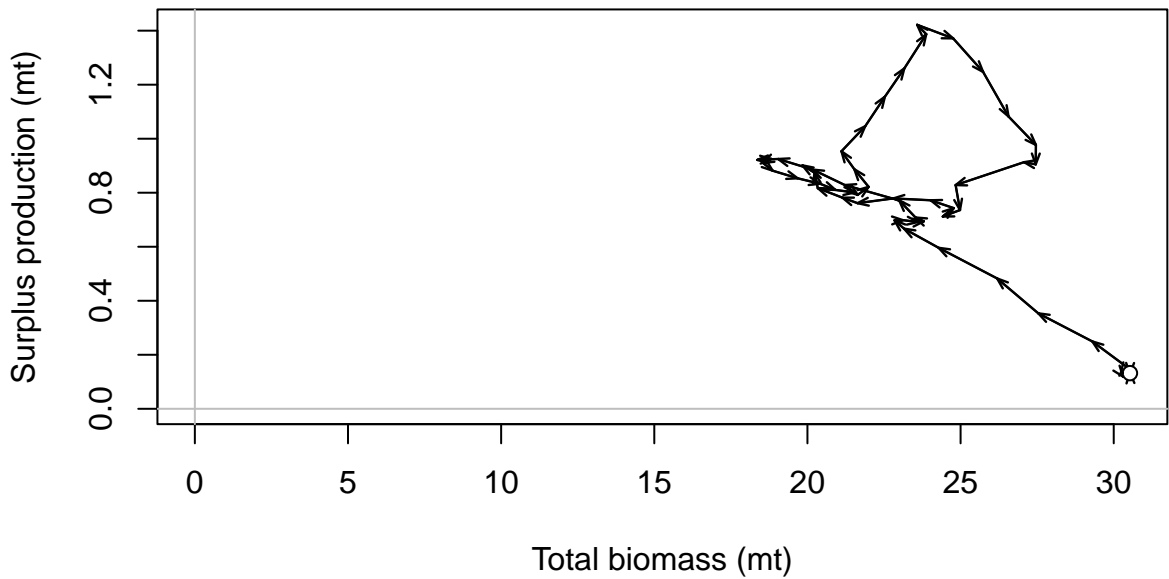


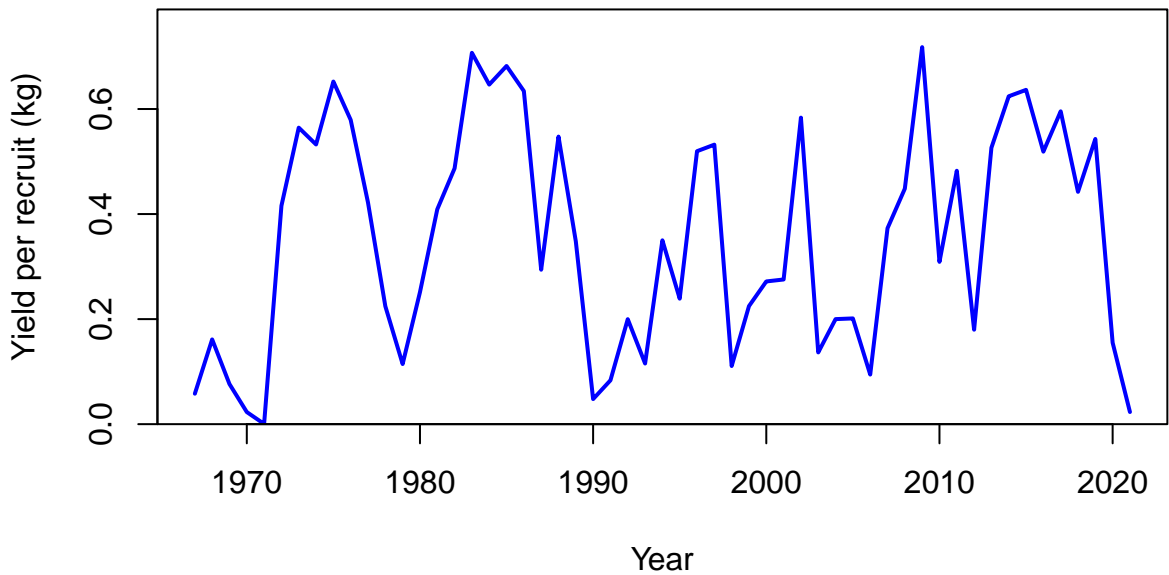
FISHERY (whole catch)

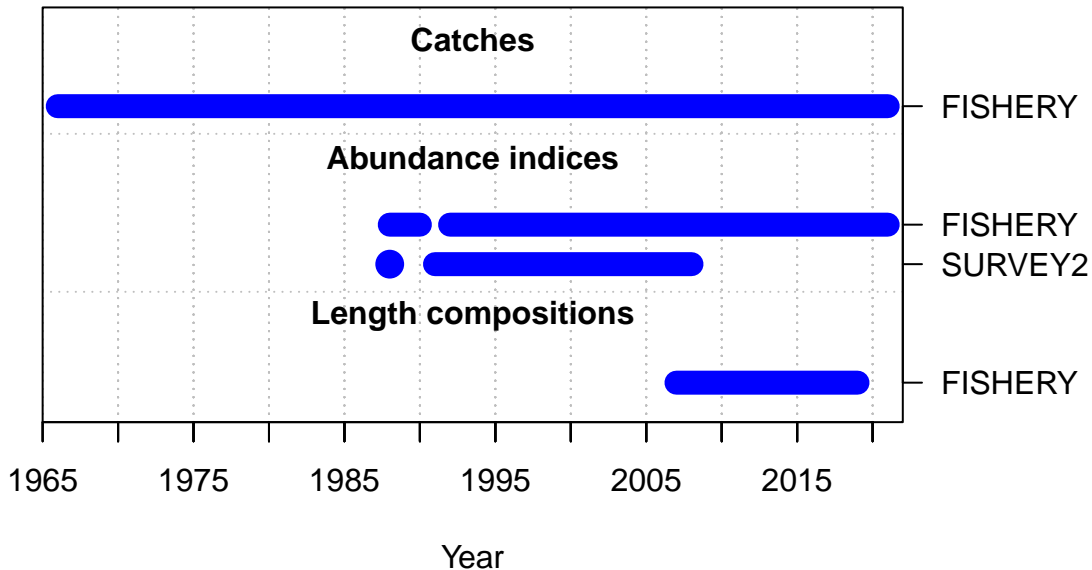


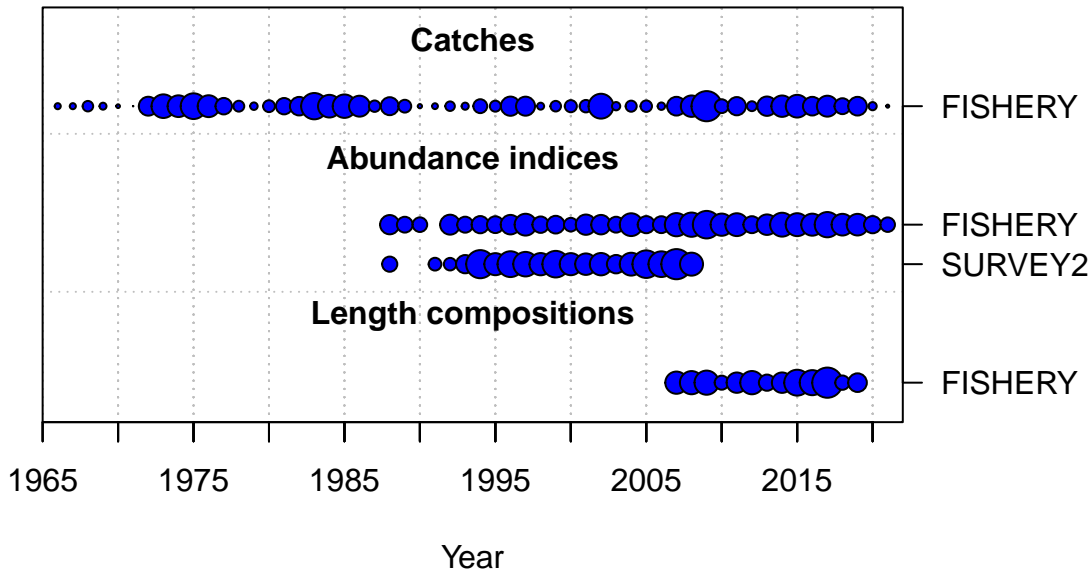




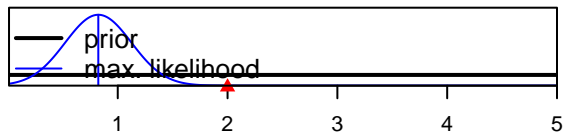




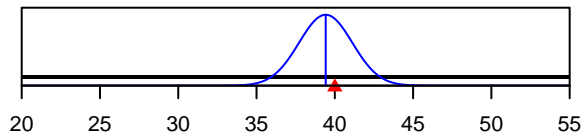




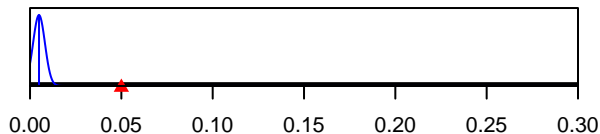
SR_LN(R0)



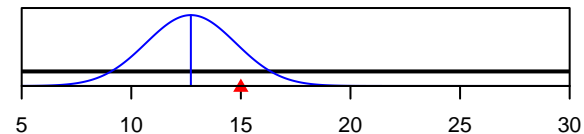
Size_inflection_FISHERY(1)



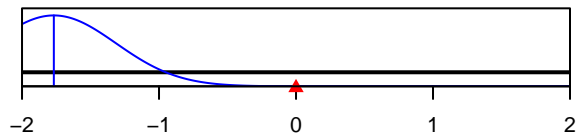
InitF_seas_1_flt_1FISHERY



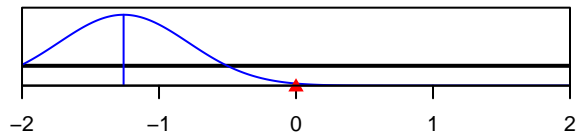
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value