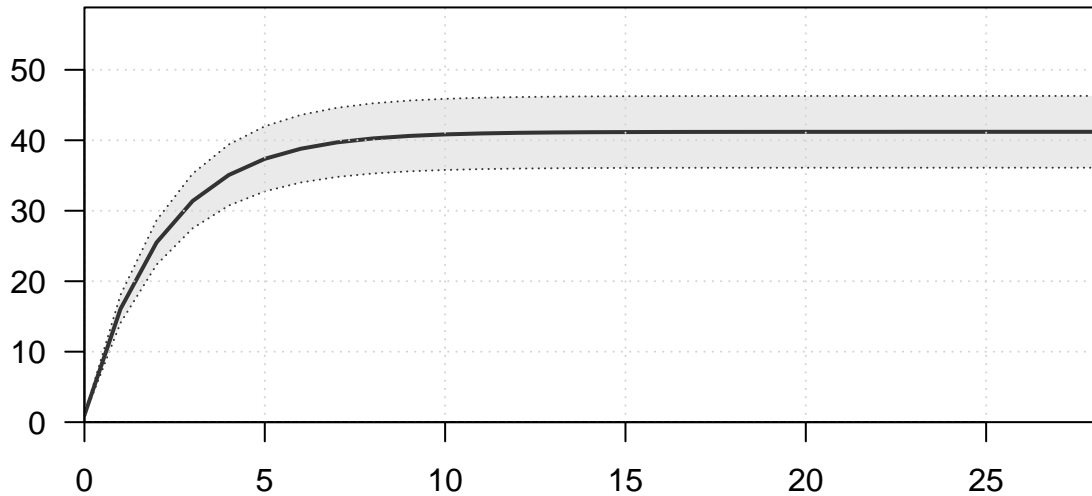


Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Feb 14 13:40:58 2023
Data_File: data.ss
Control_File: control.ss

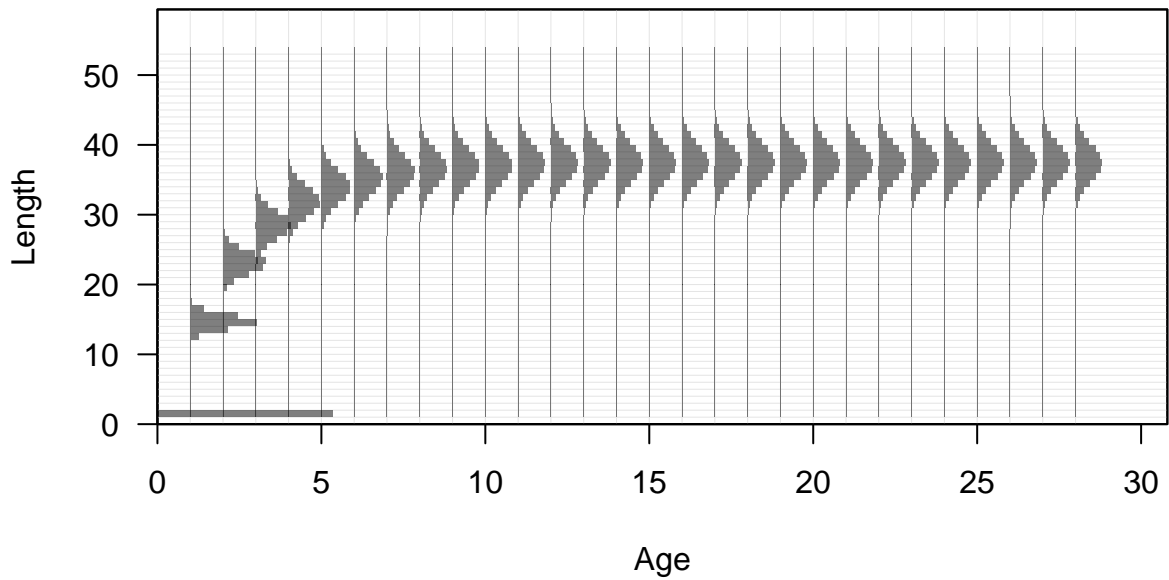
Length (cm, beginning of the year)



Age (yr)

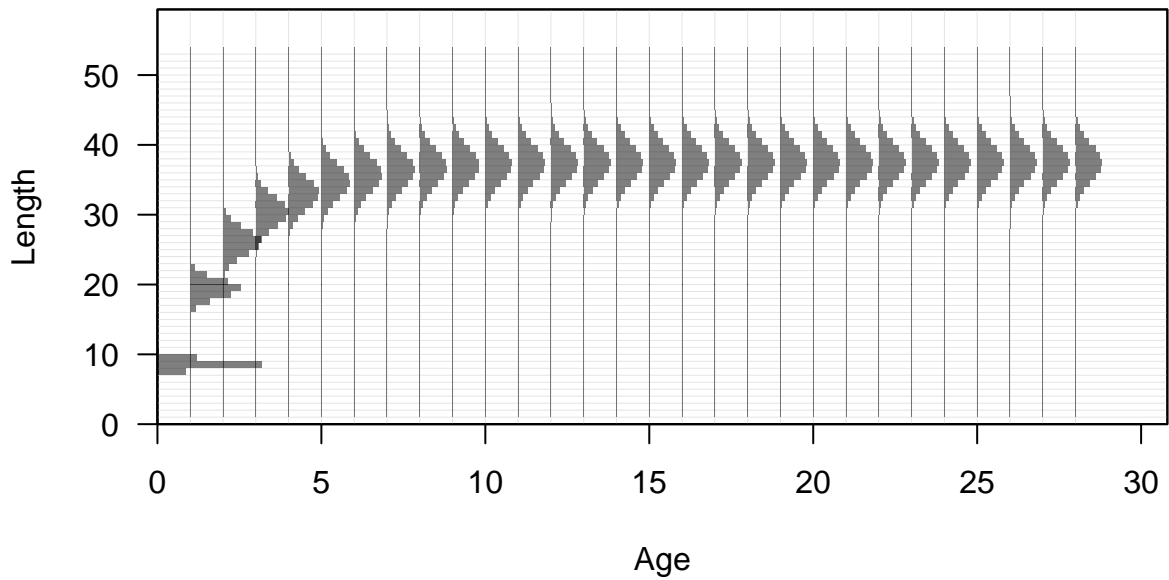








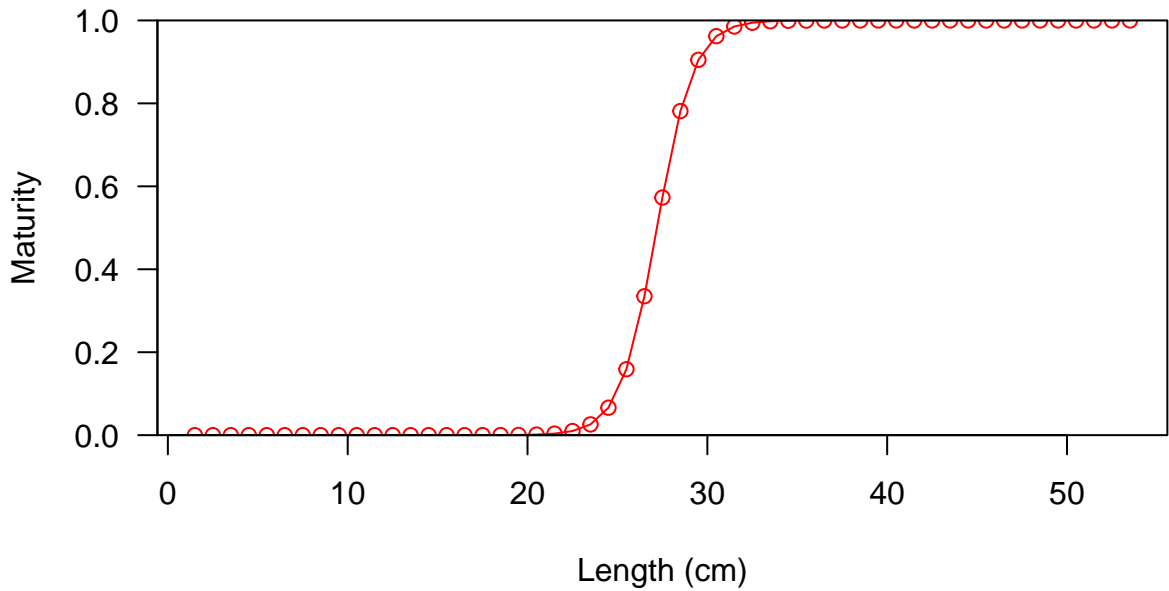












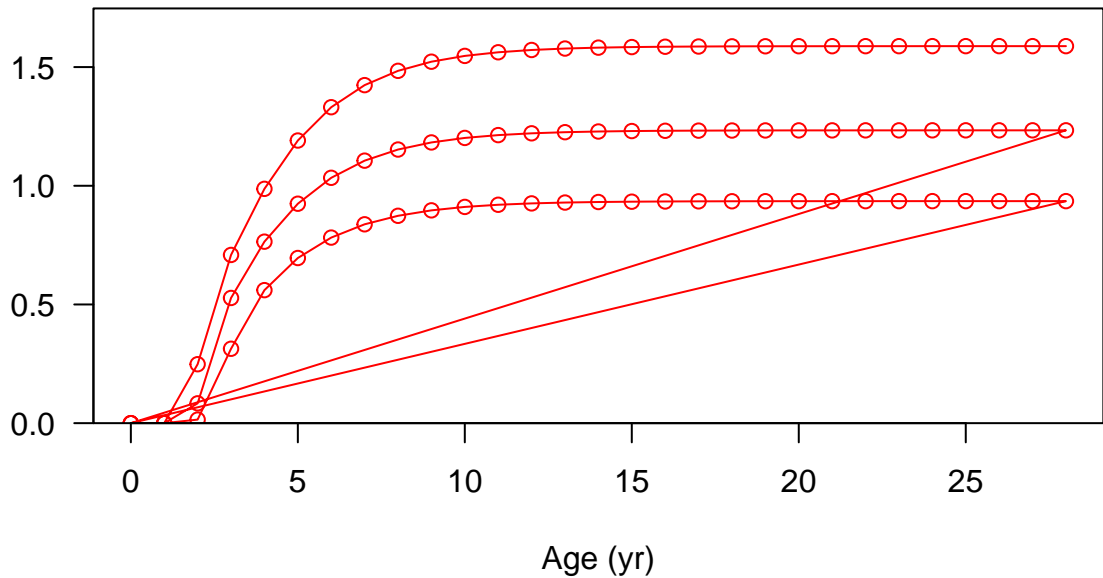




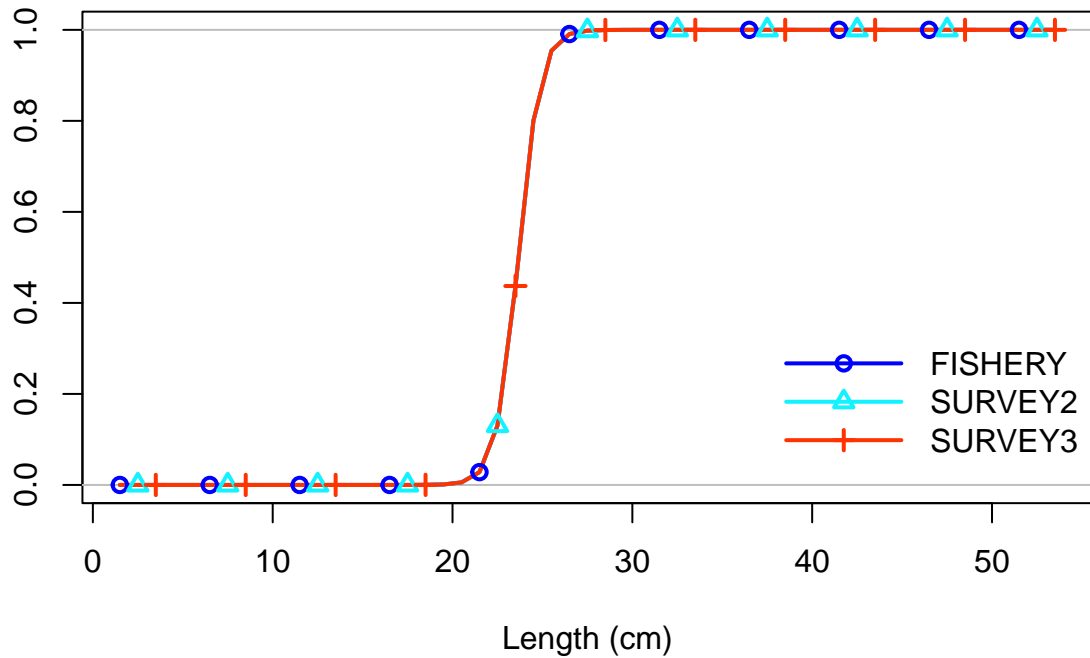




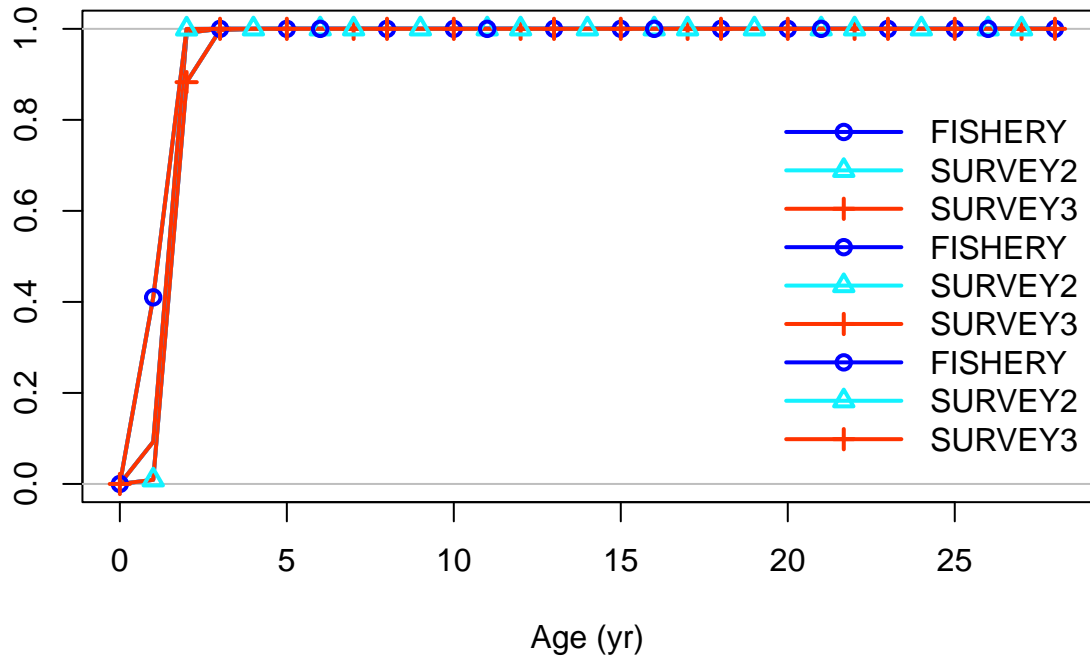
Spawning output



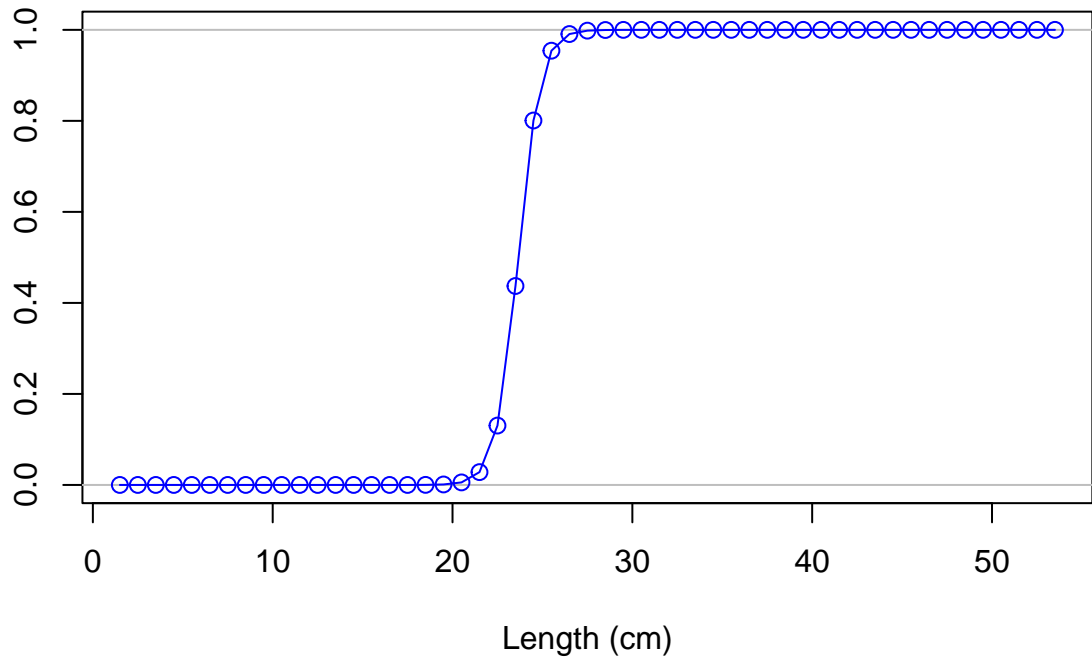
Selectivity



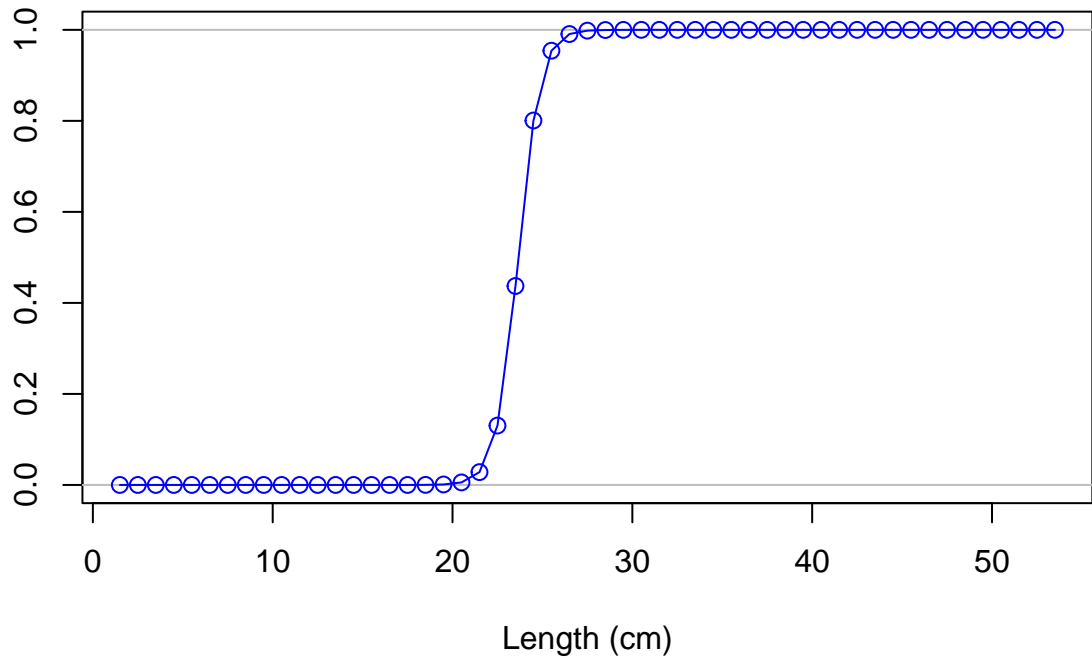
Selectivity



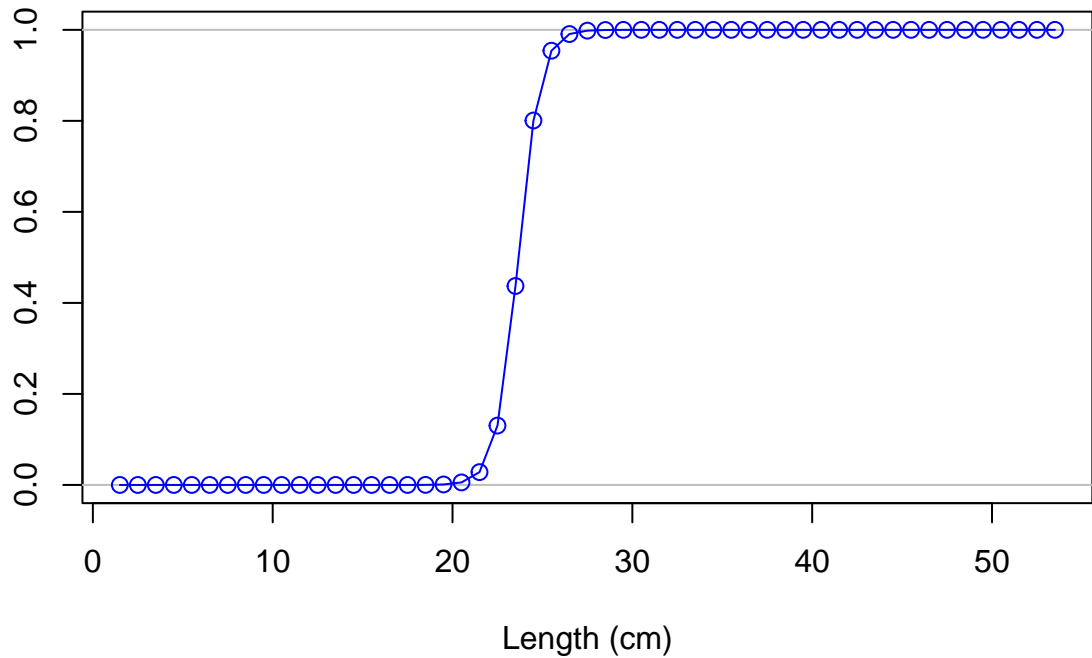
Selectivity

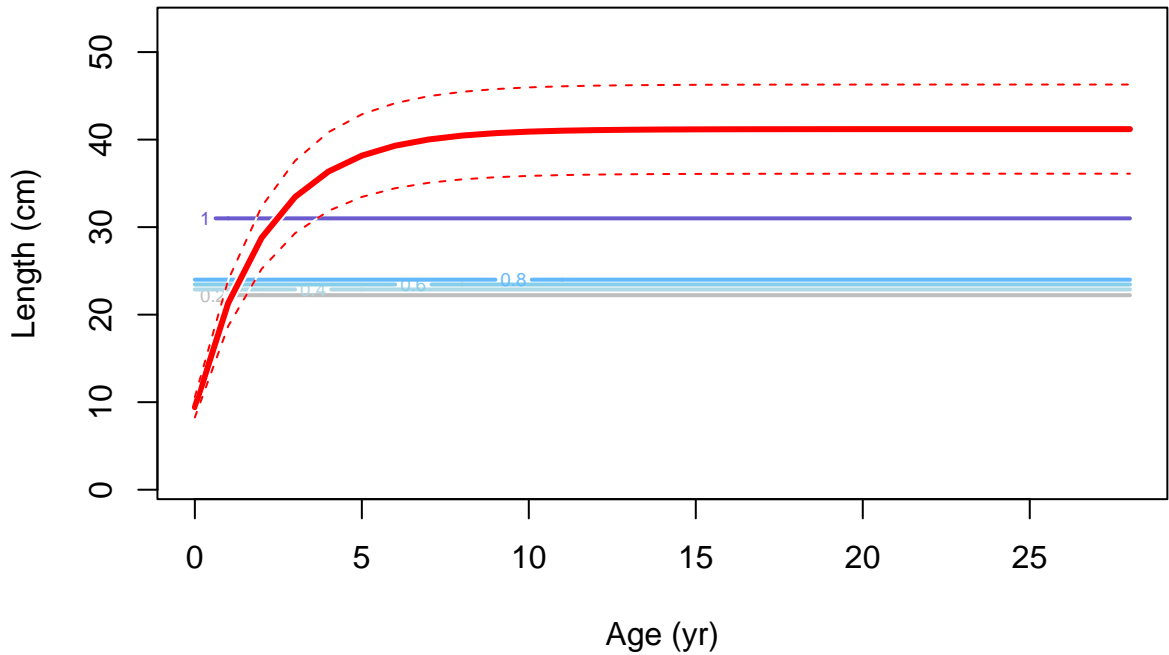


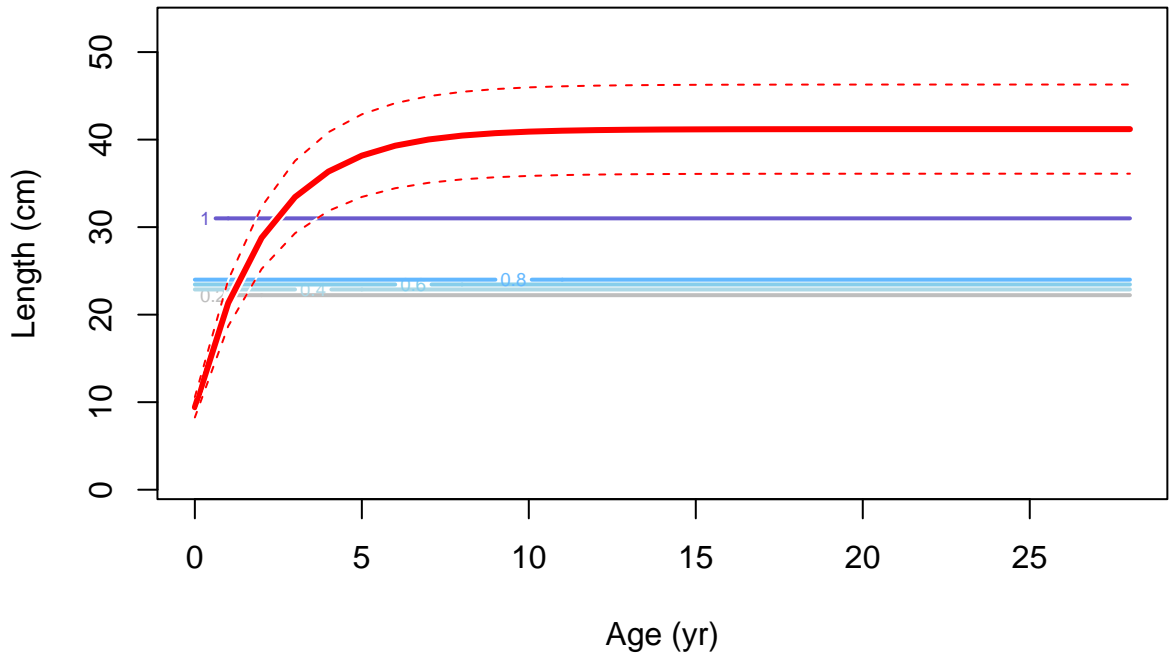
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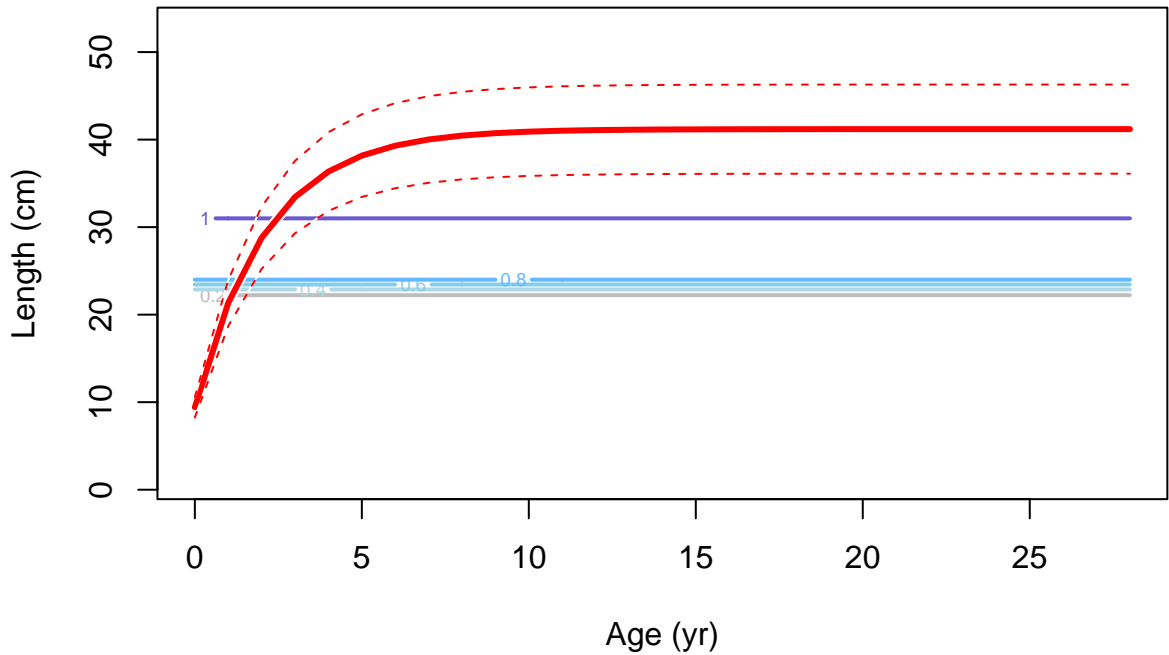


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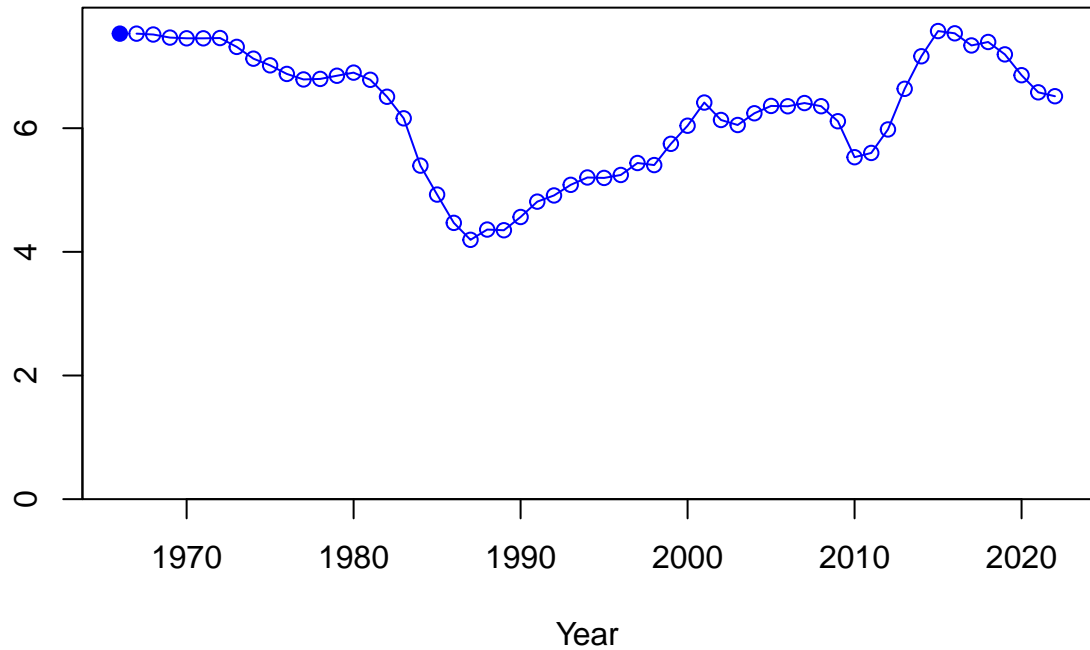


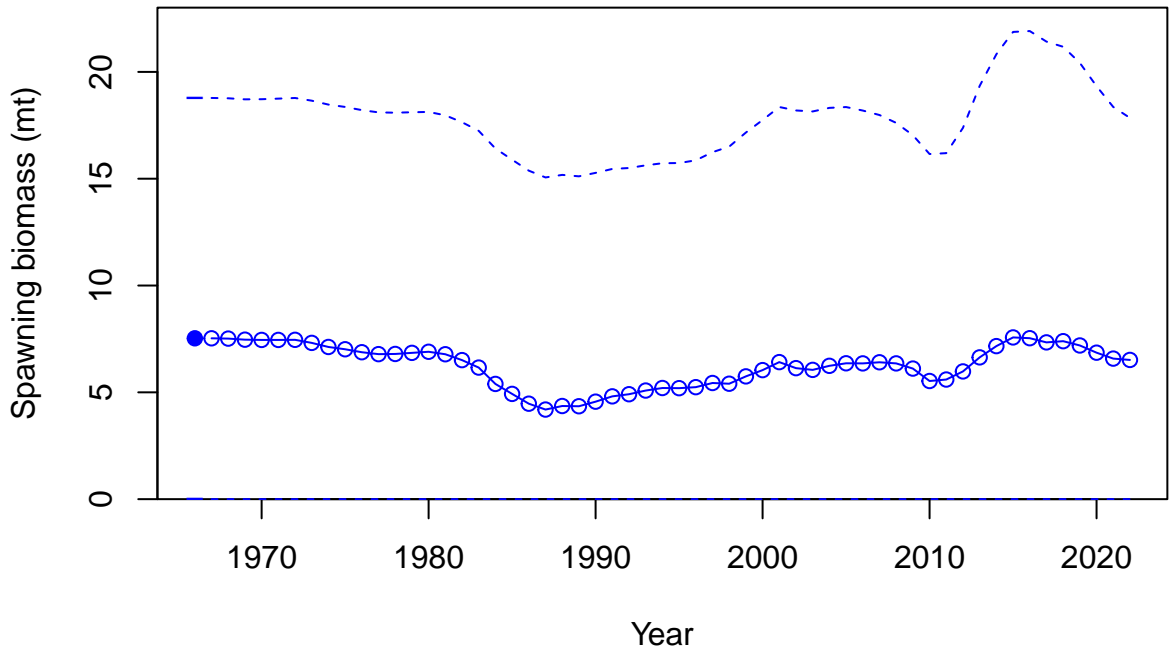




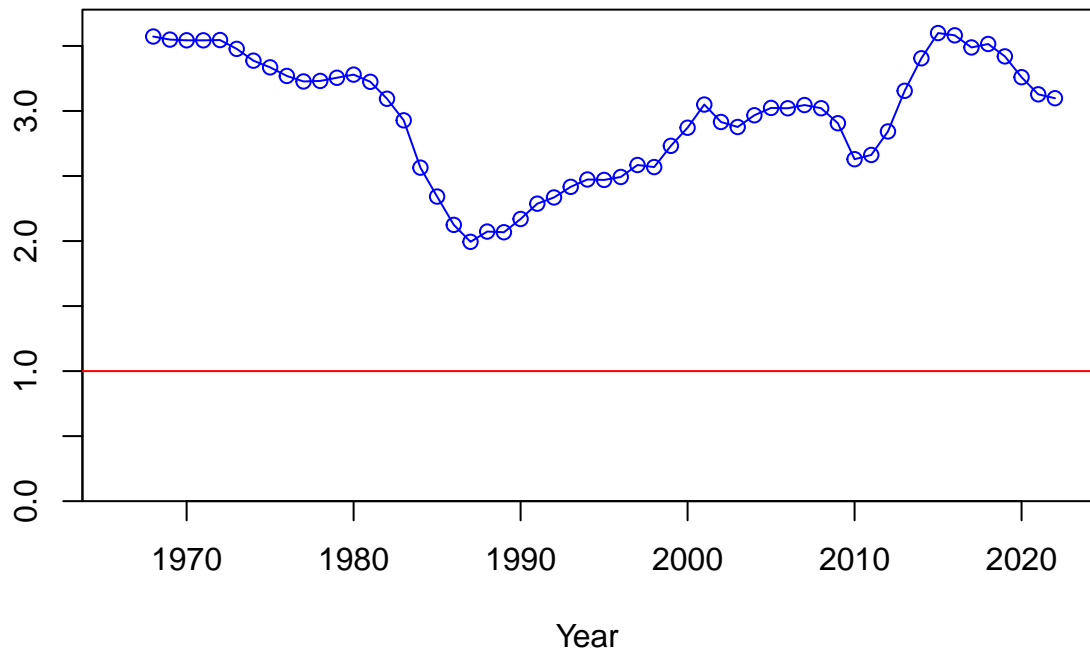


Spawning biomass (mt)

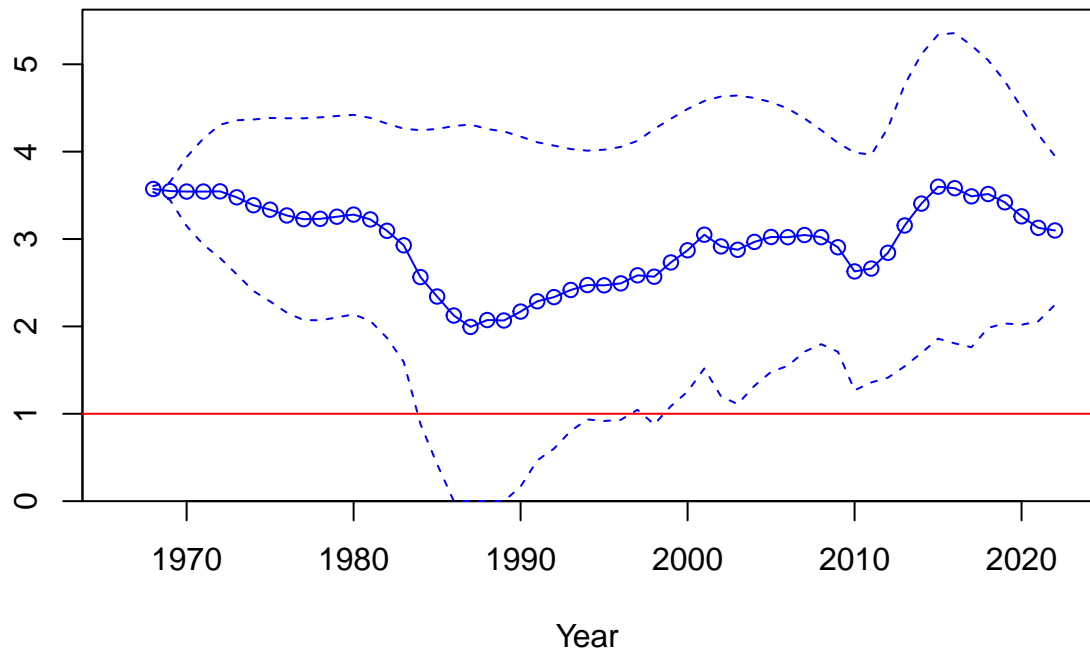


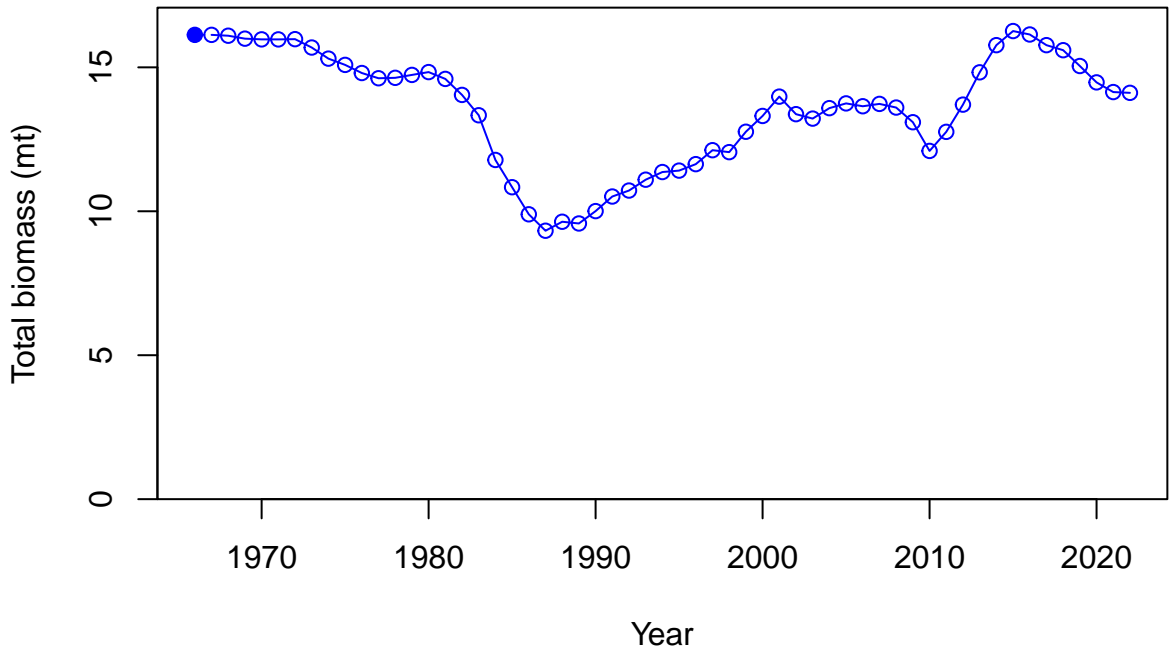


Relative spawning biomass: B/B_{MSY}

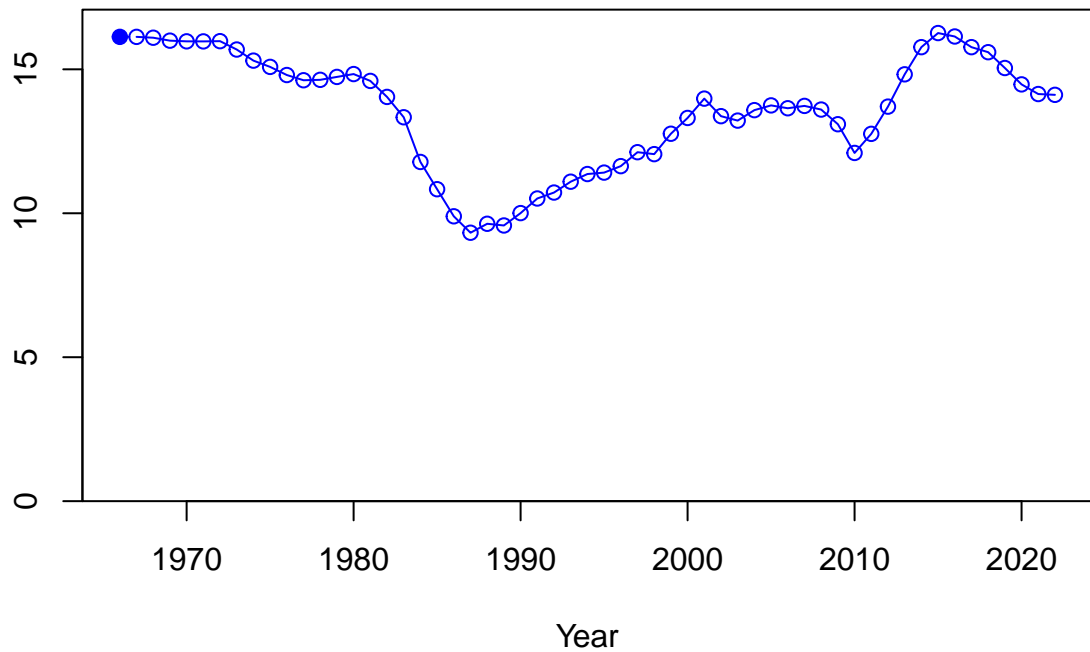


Relative spawning biomass: B/B_{MSY}

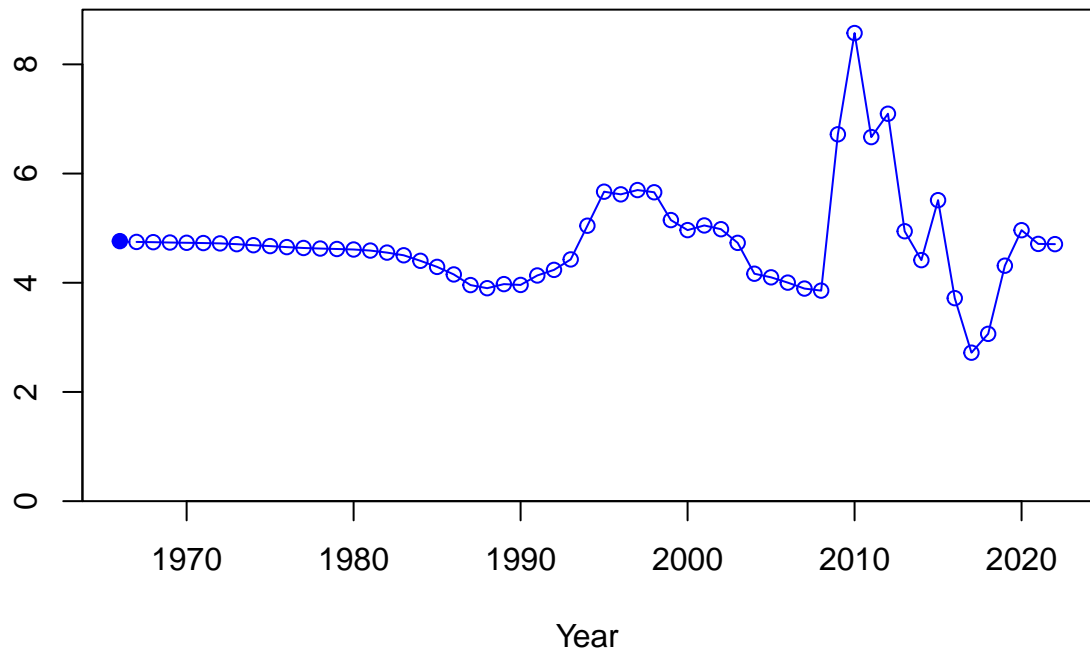




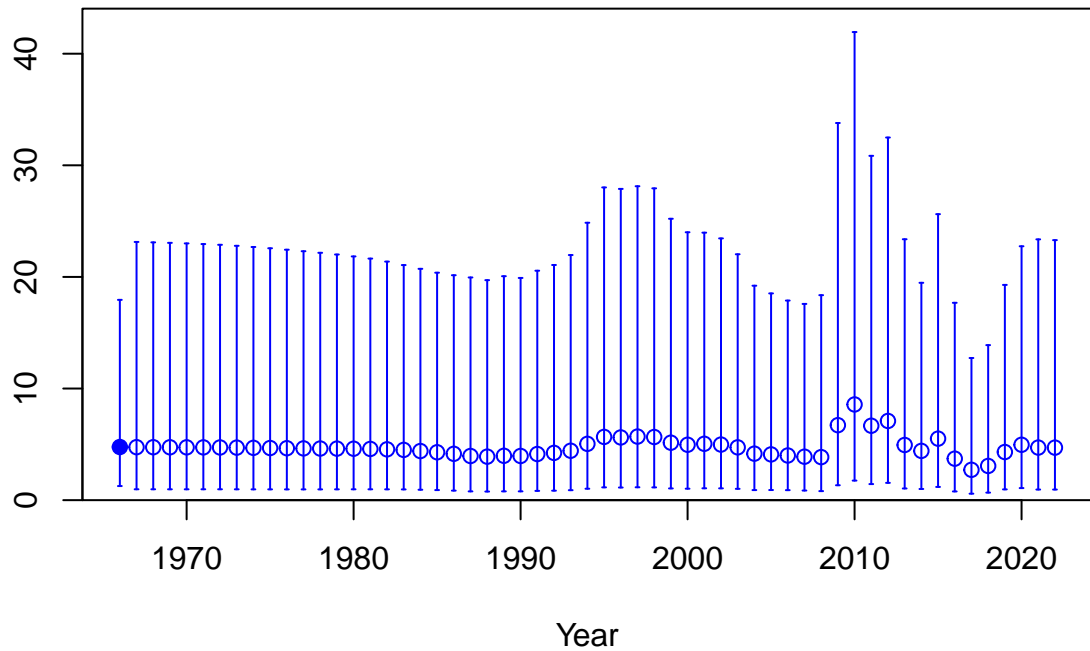
Summary biomass (mt)



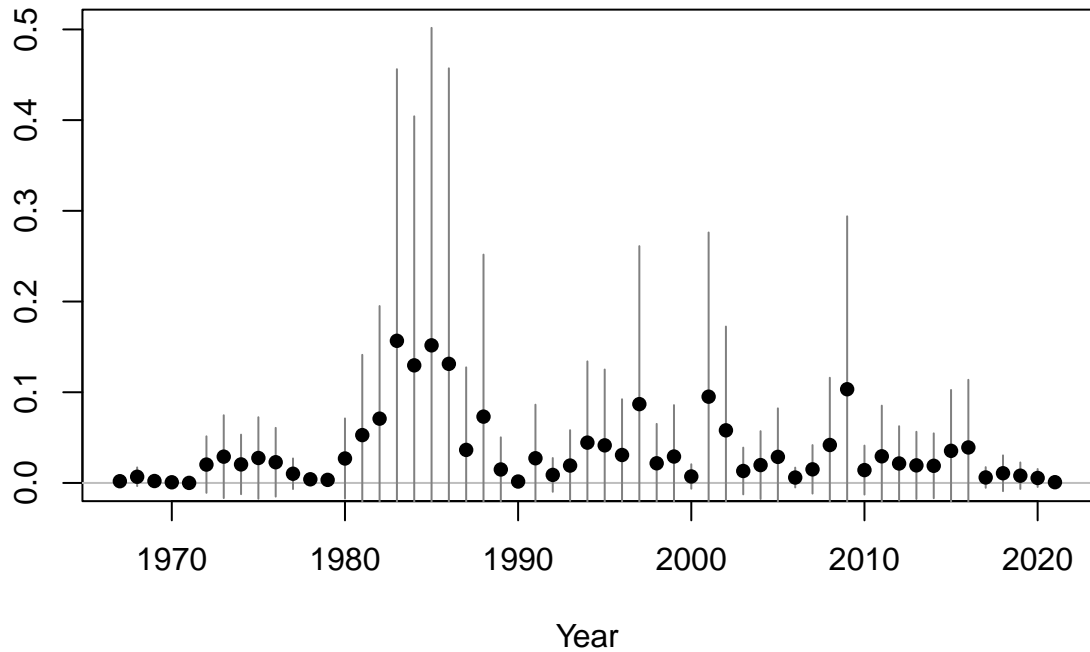
Age-0 recruits (1,000s)

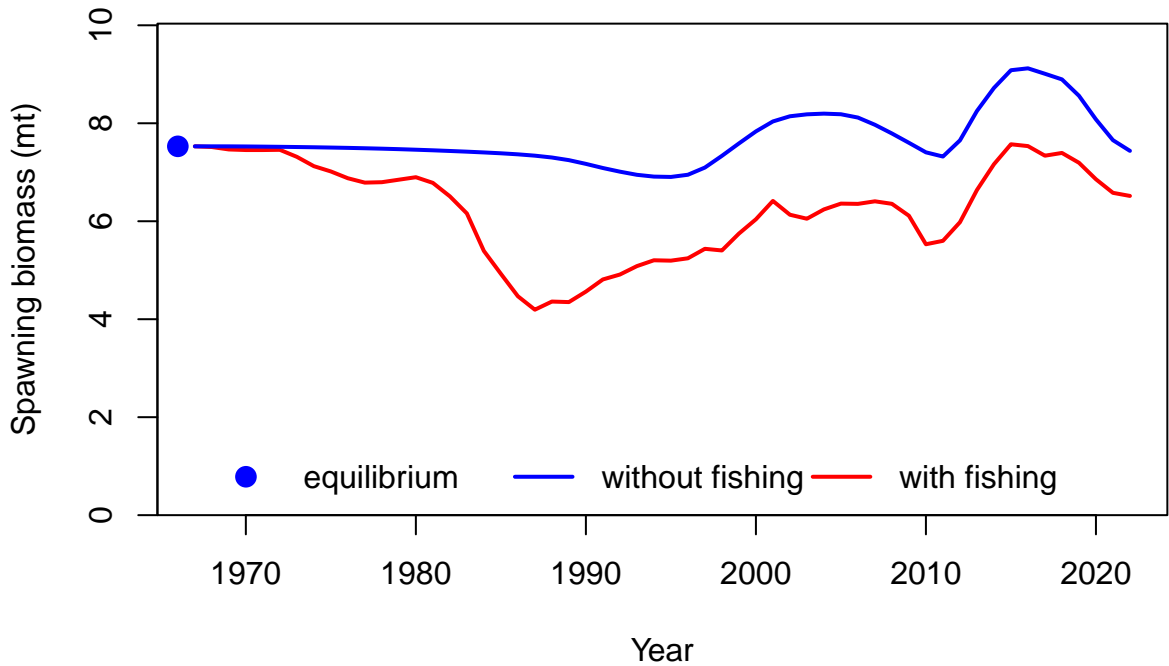


Age-0 recruits (1,000s)

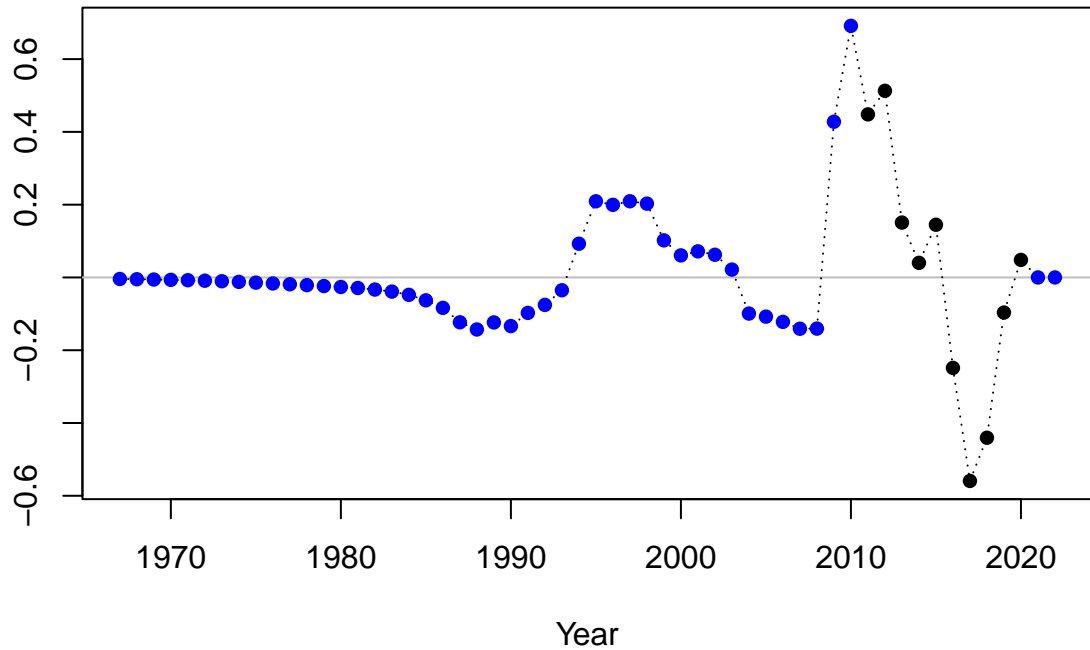


Summary Fishing Mortality

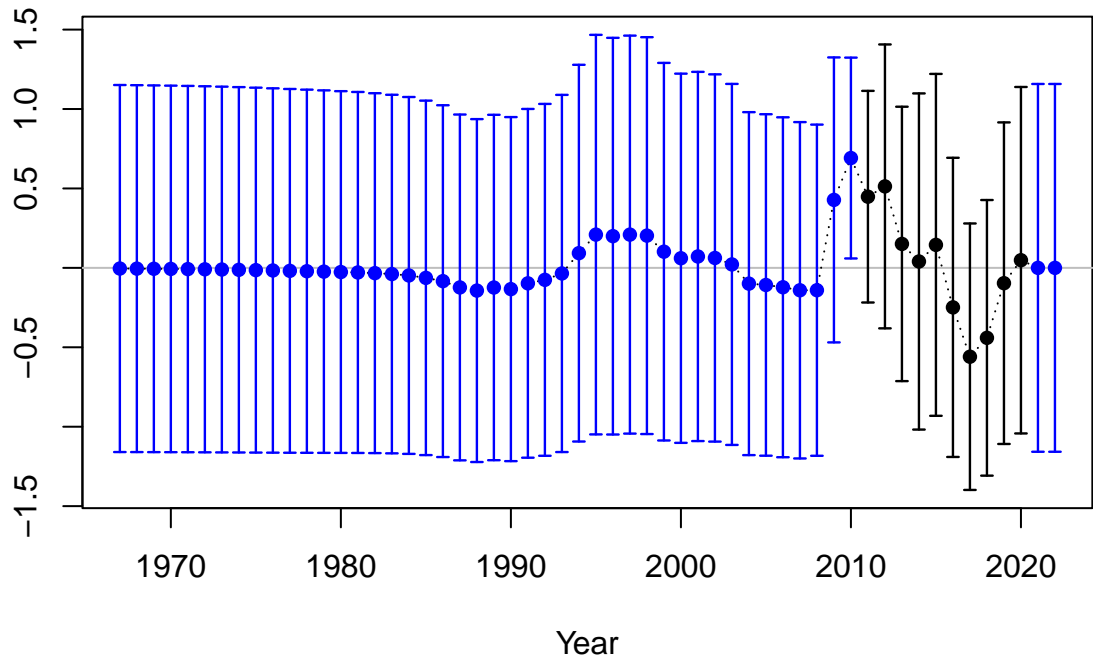




Log recruitment deviation

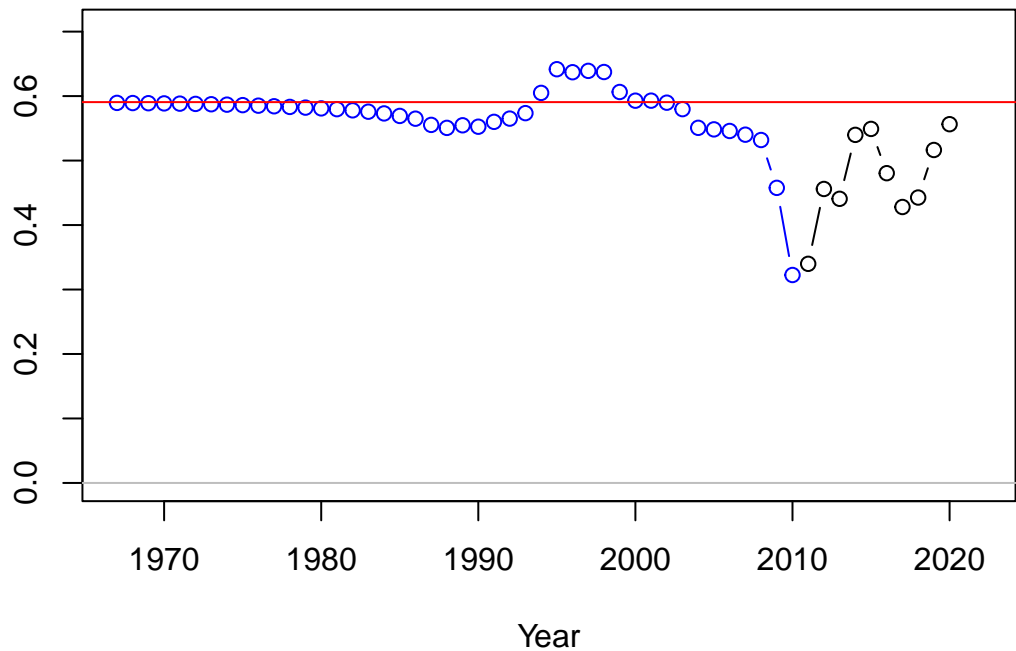


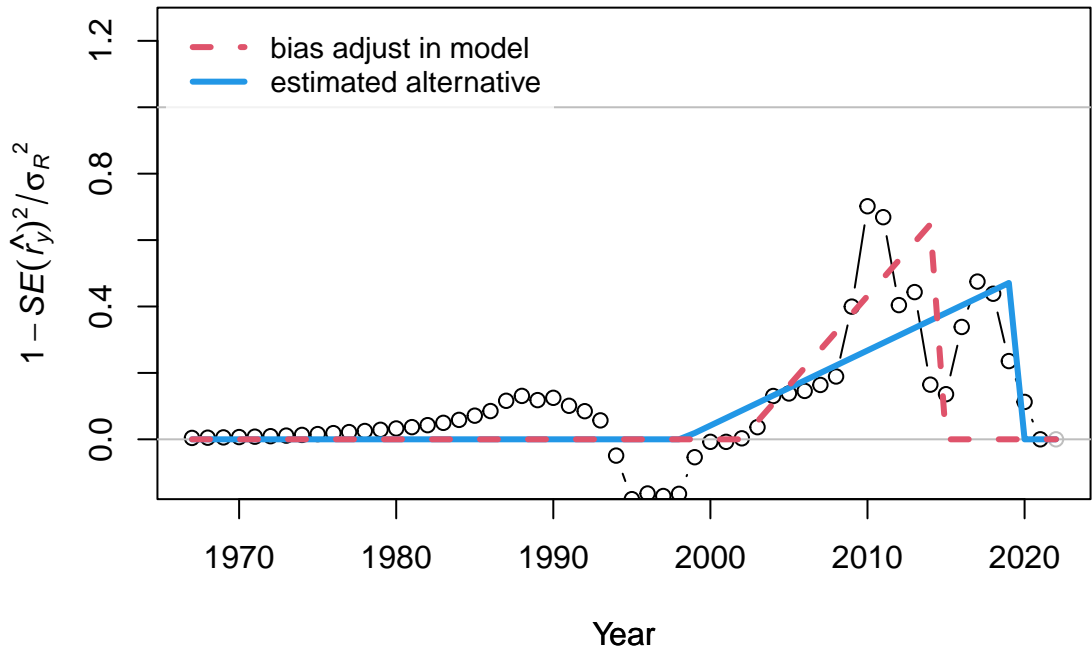
Log recruitment deviation

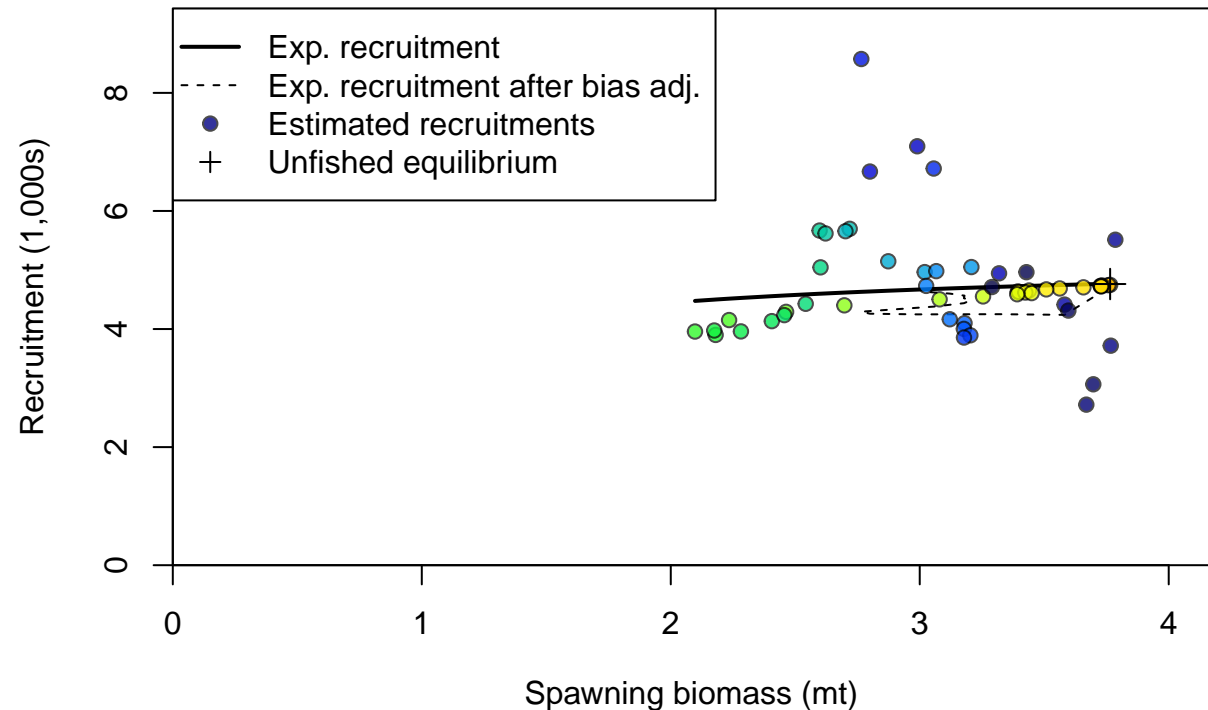


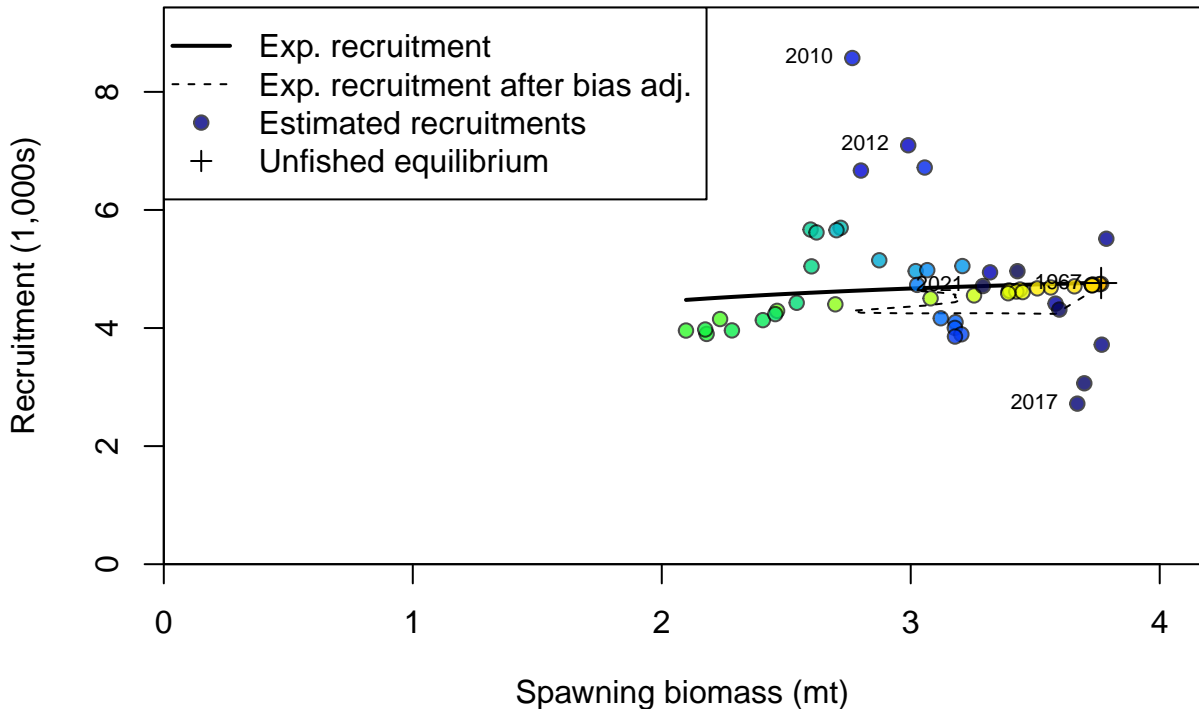
Recruitment deviation variance

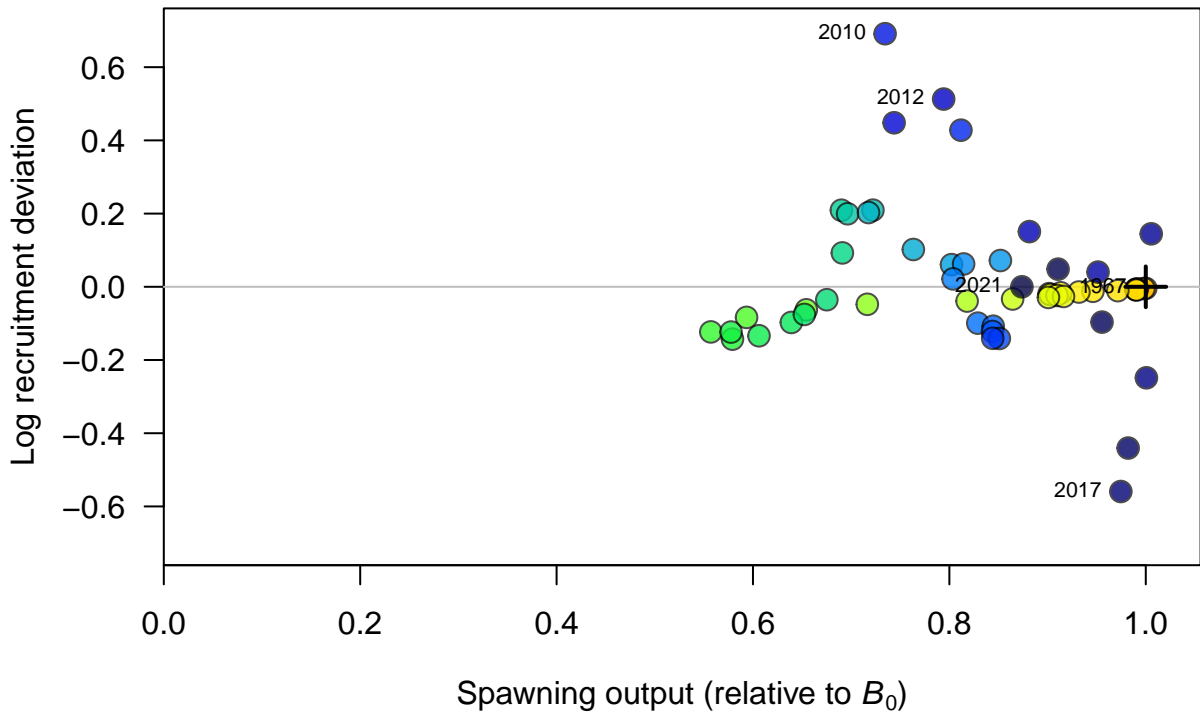
Asymptotic standard error estimate

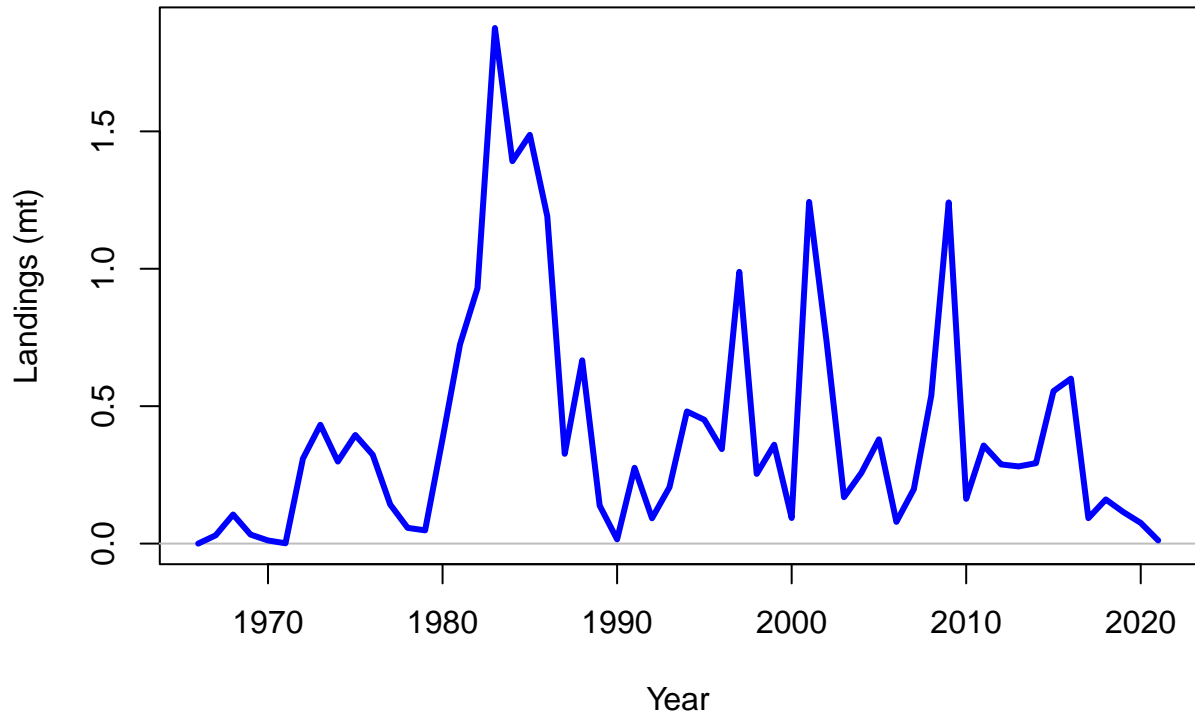


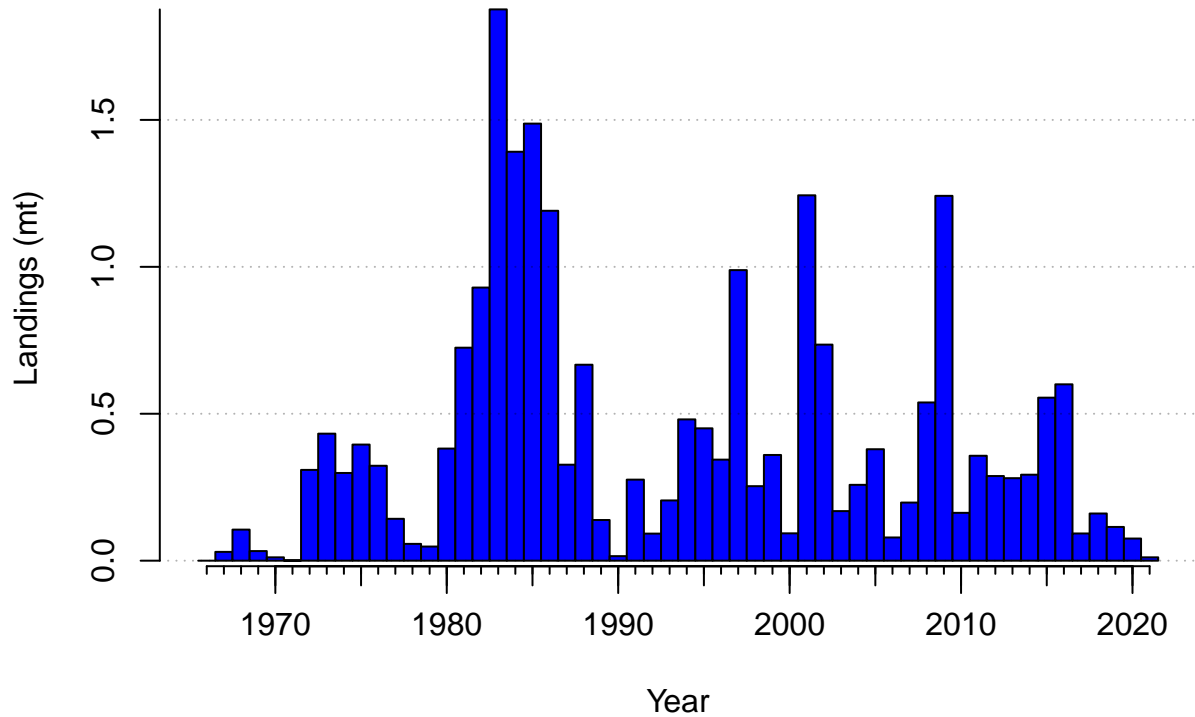


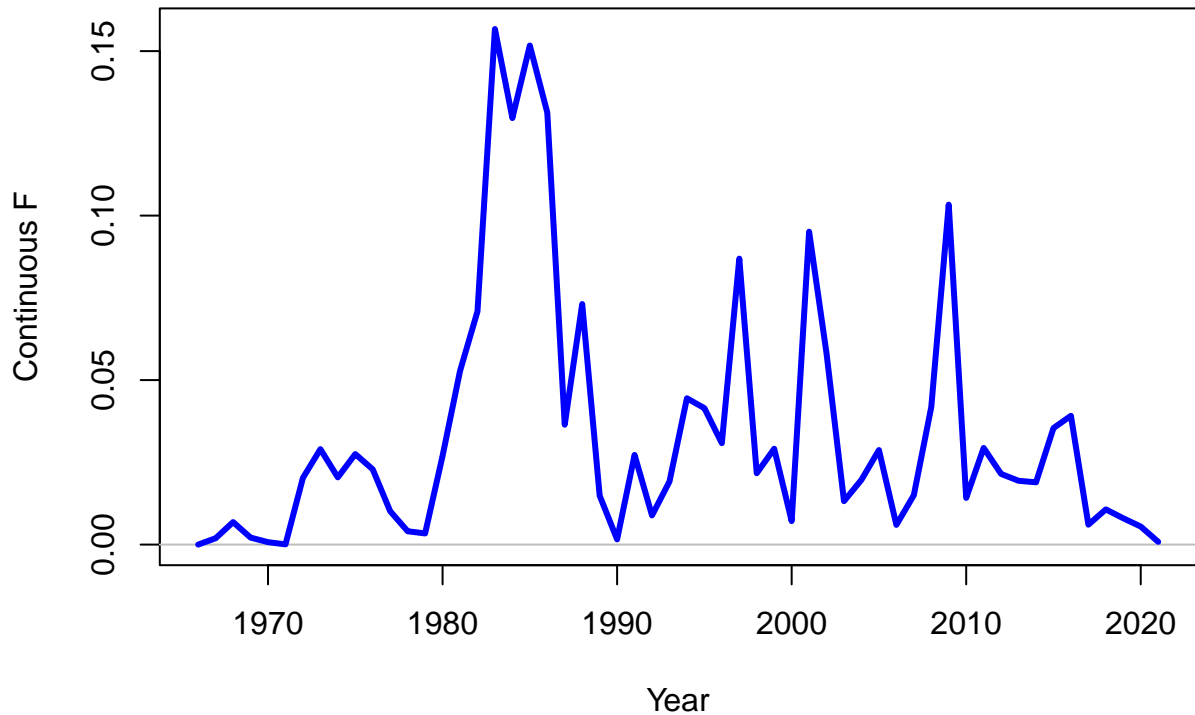




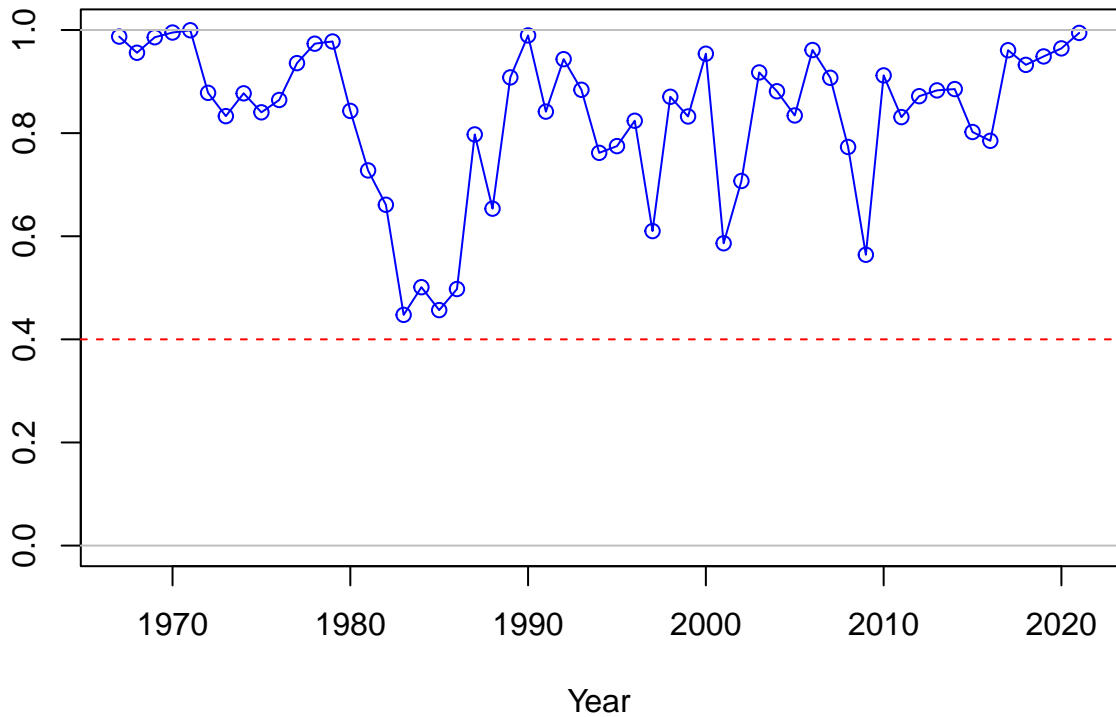




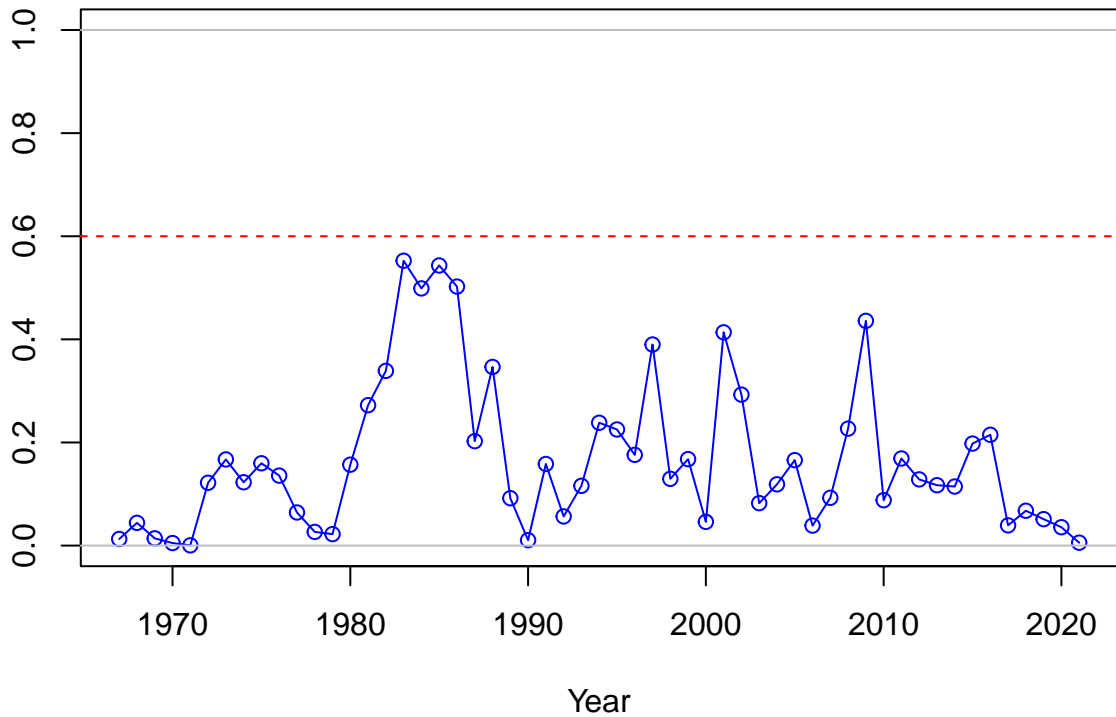




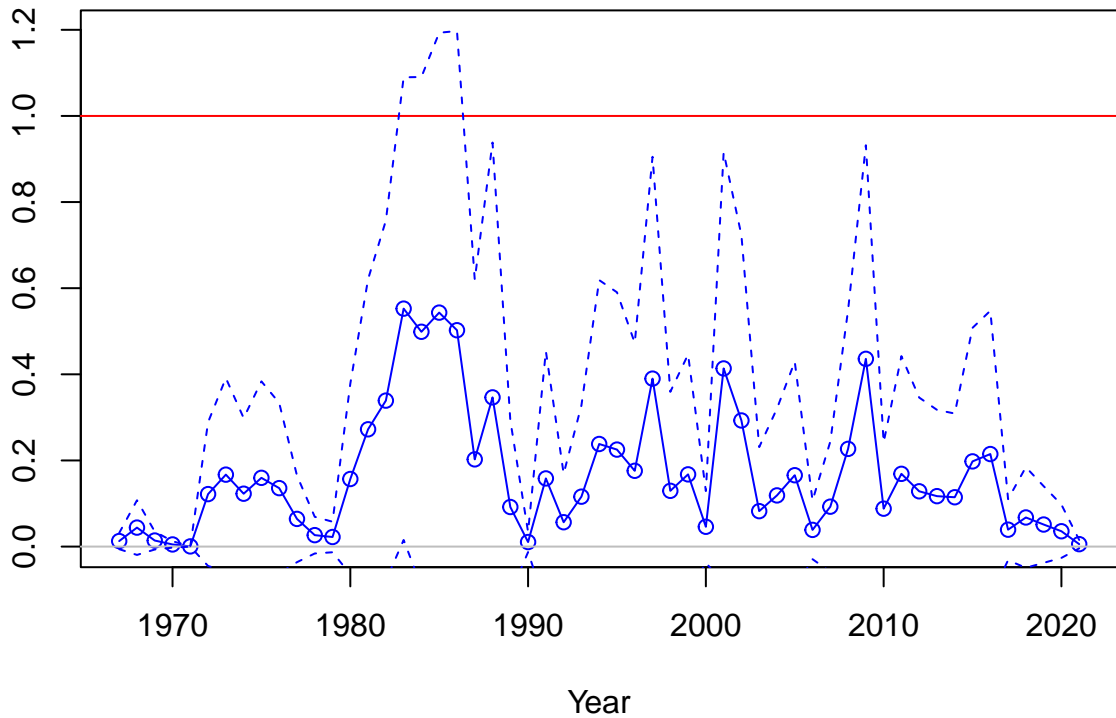
SPR



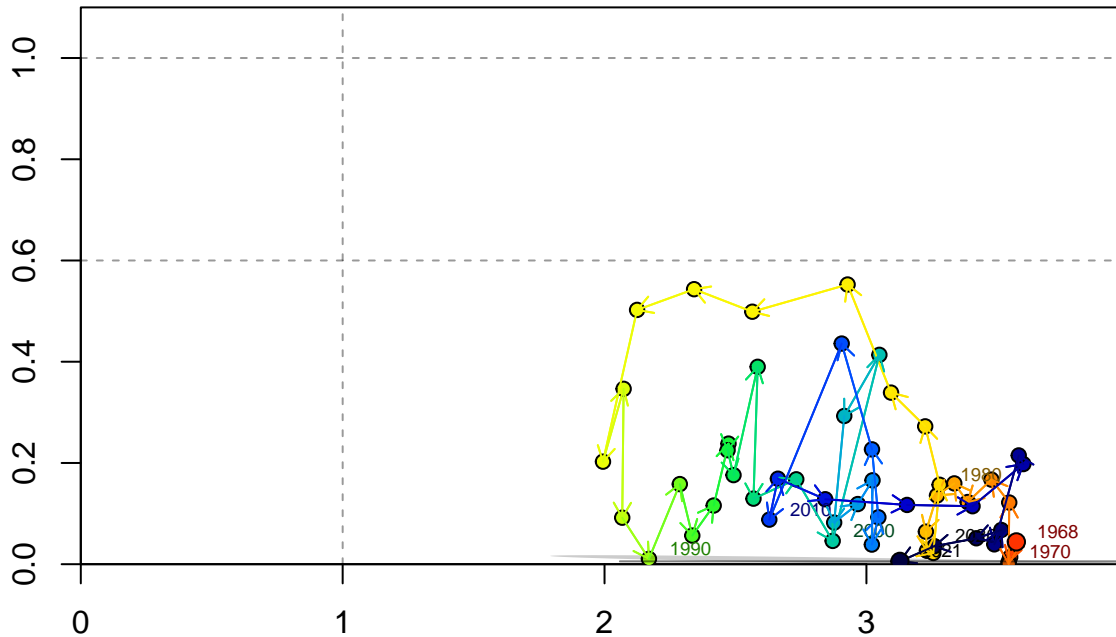
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR



Relative spawning output: B/B_{MSY}

Index

15
10
5
0

1990

1995

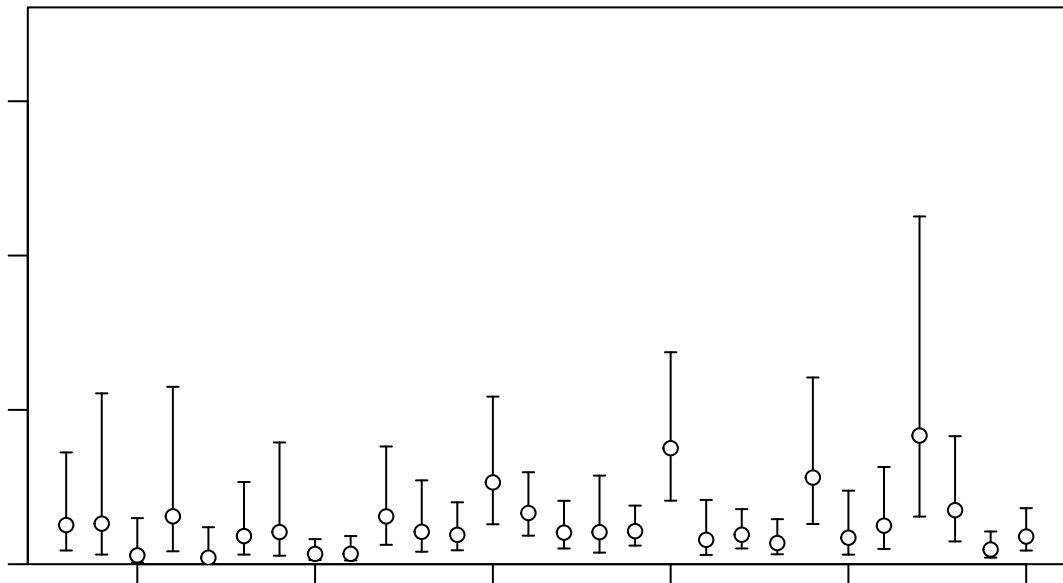
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2005

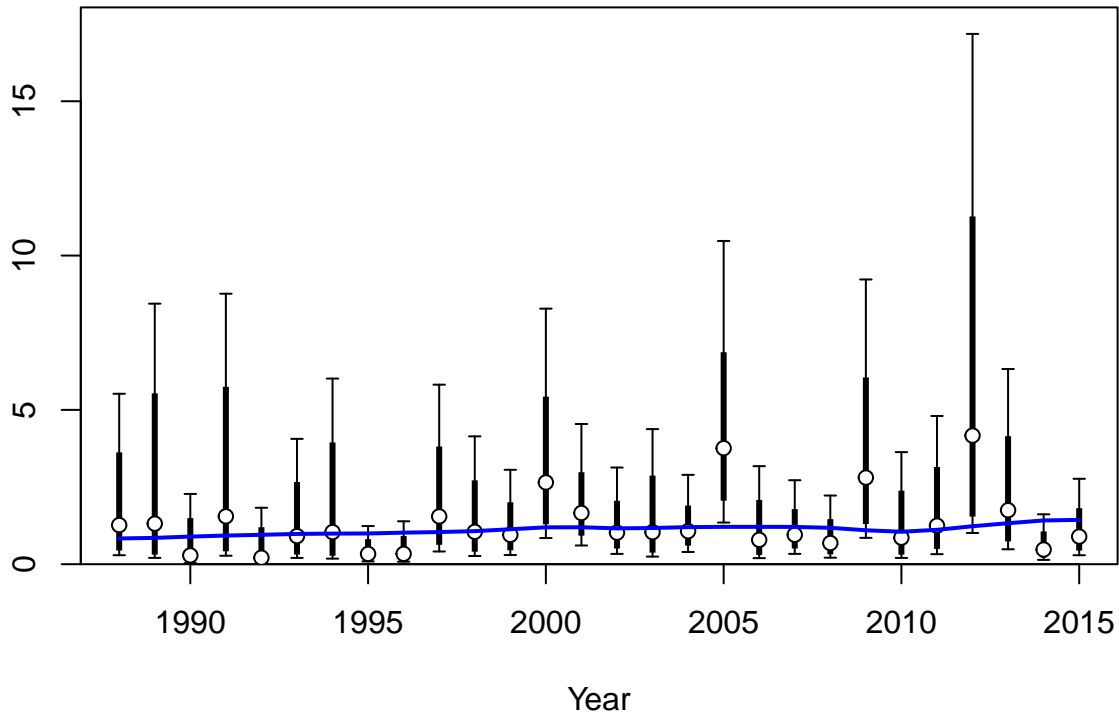
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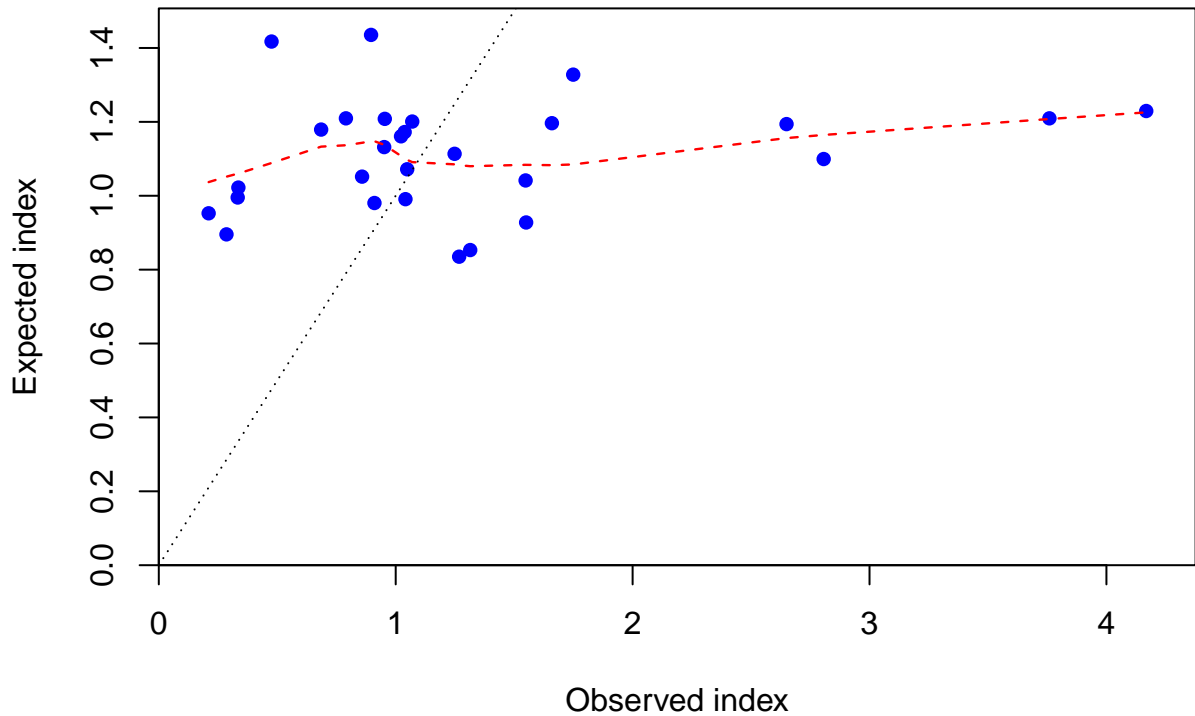
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Year

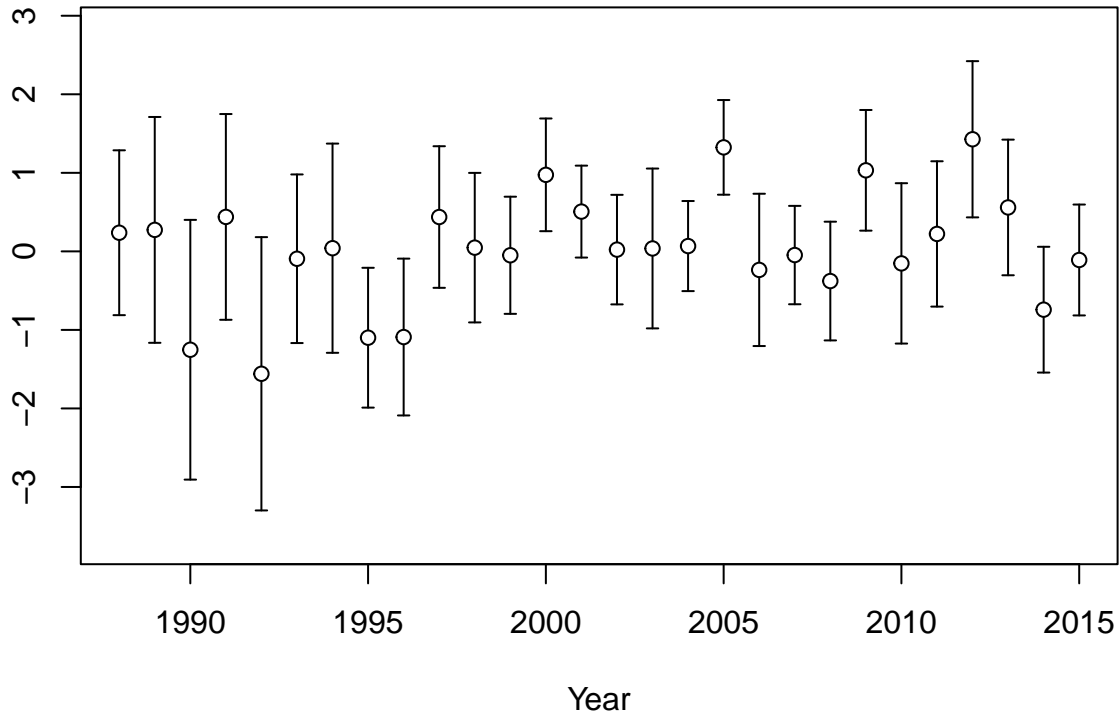


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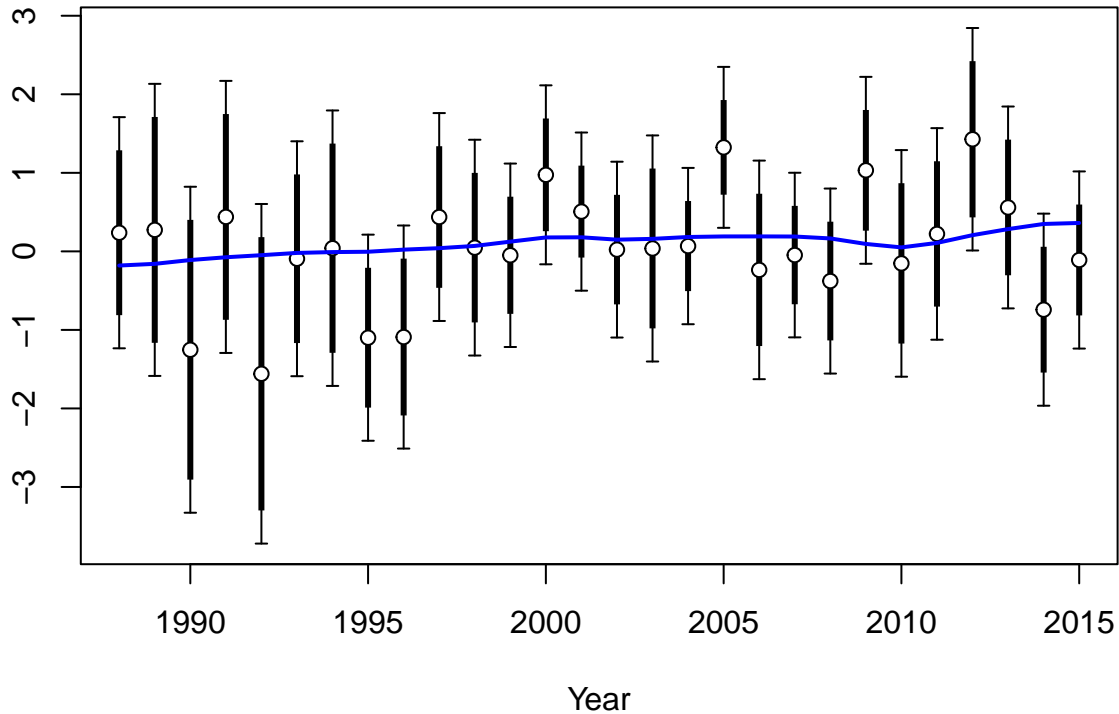


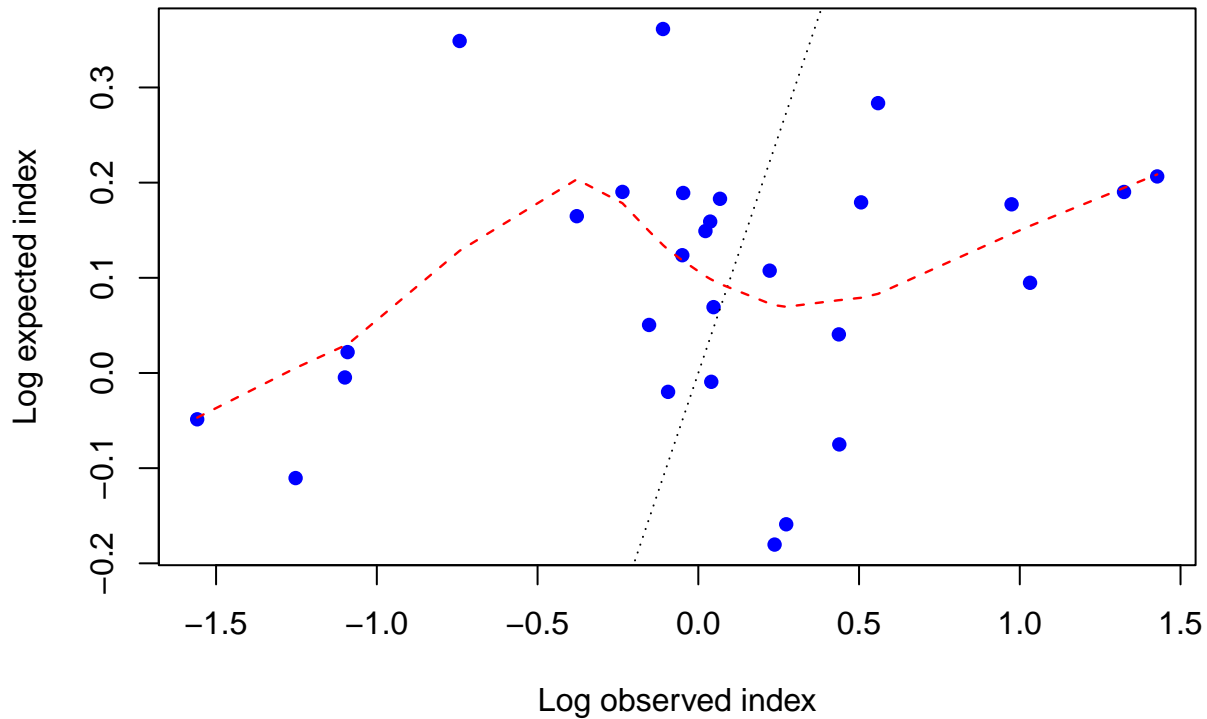


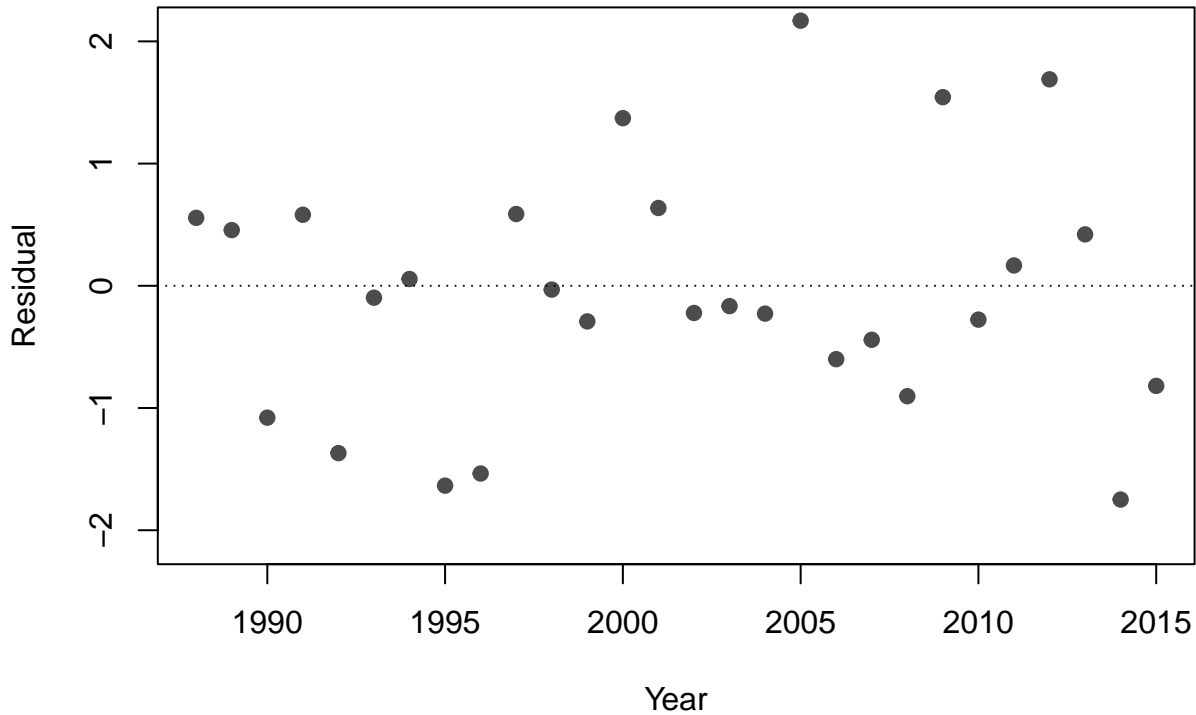
Log index



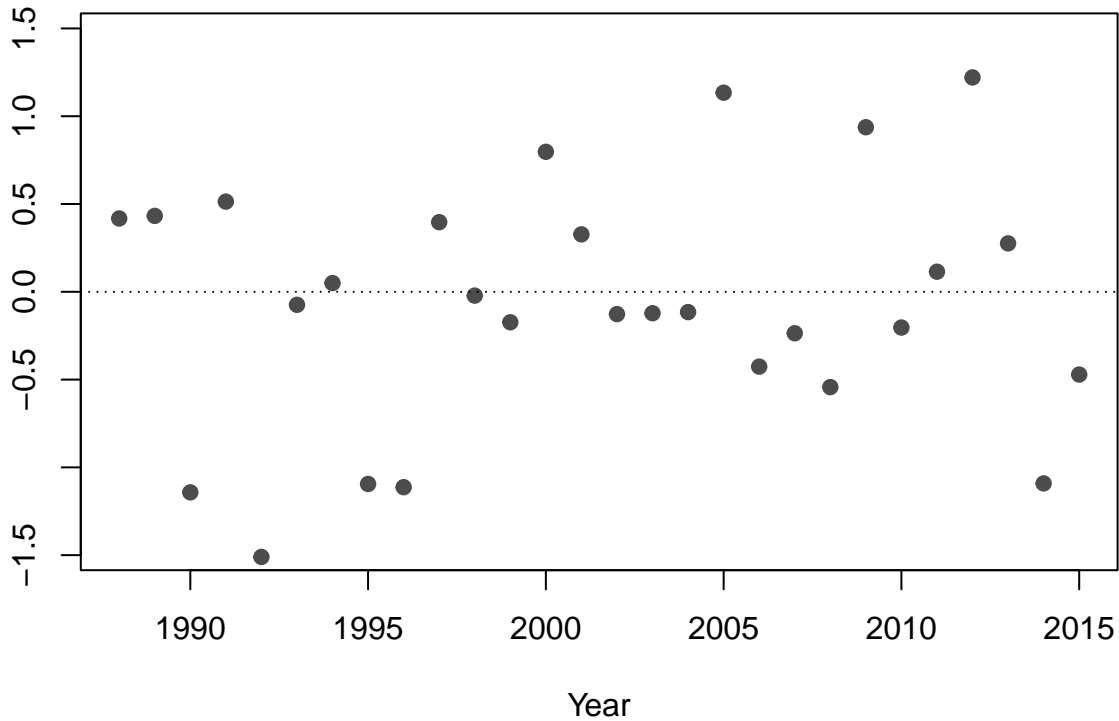
Log index

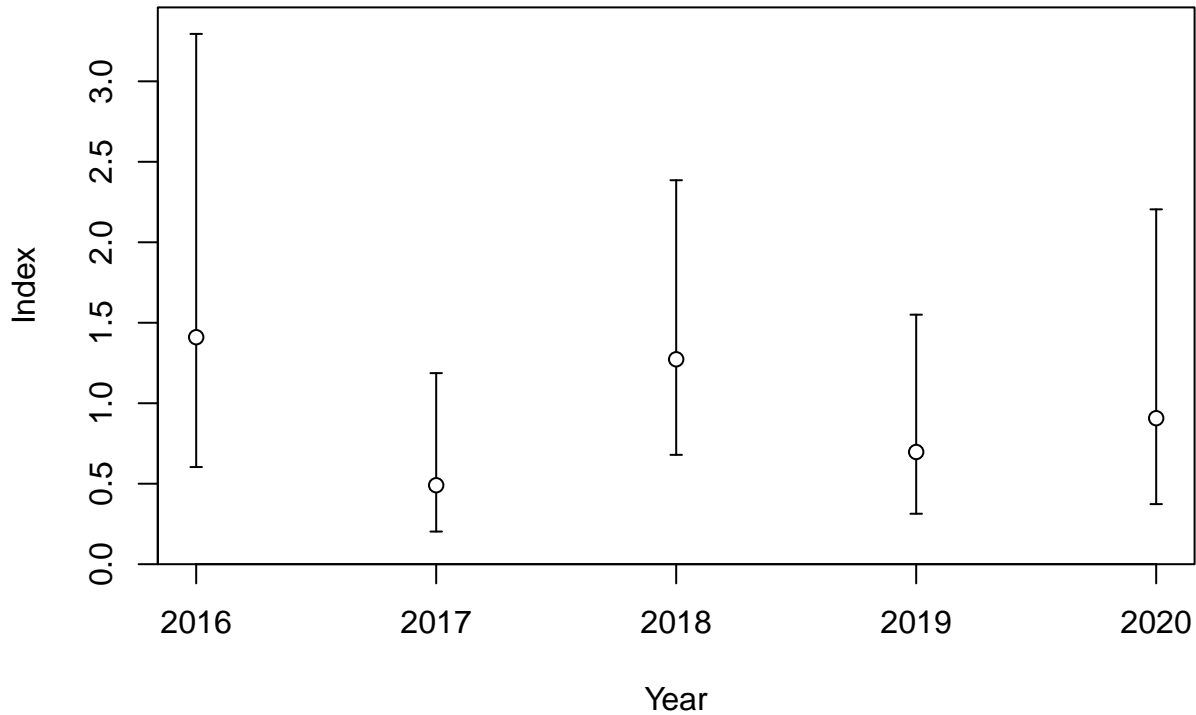


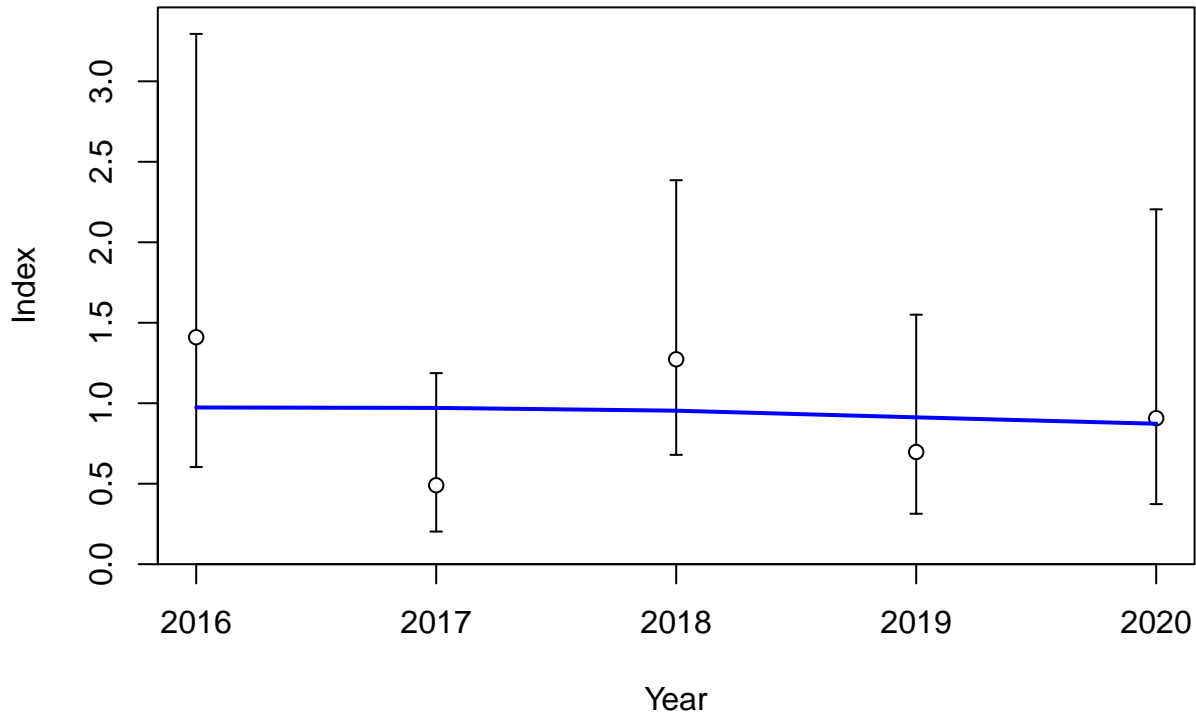




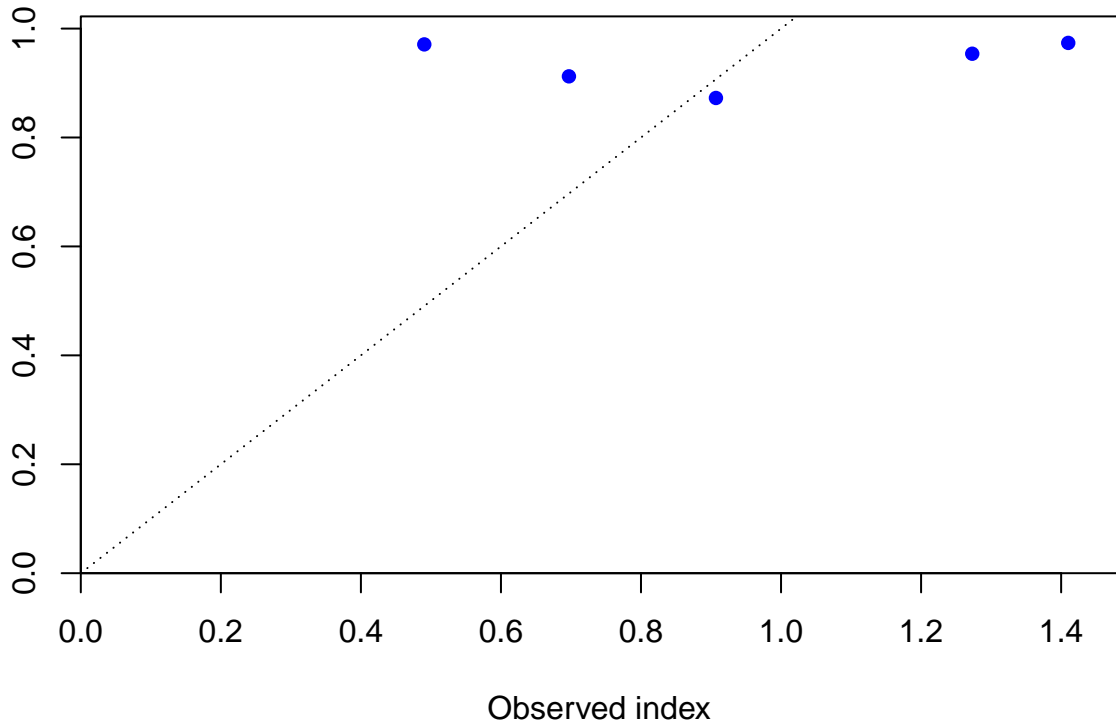
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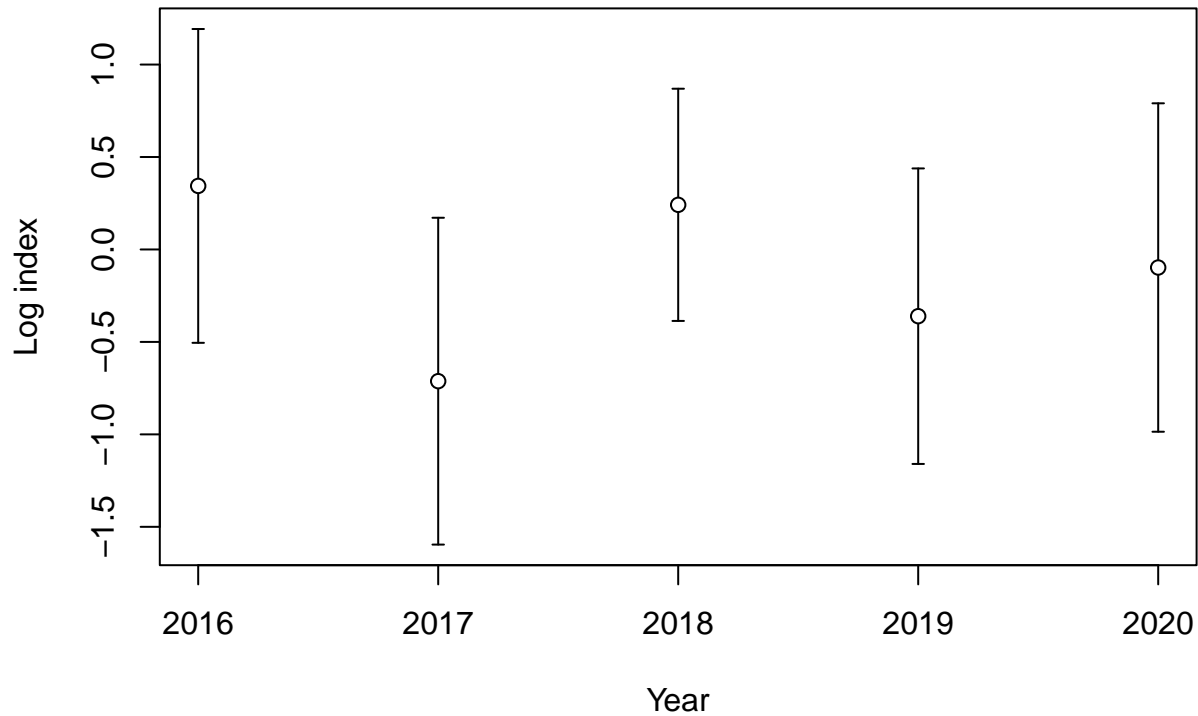




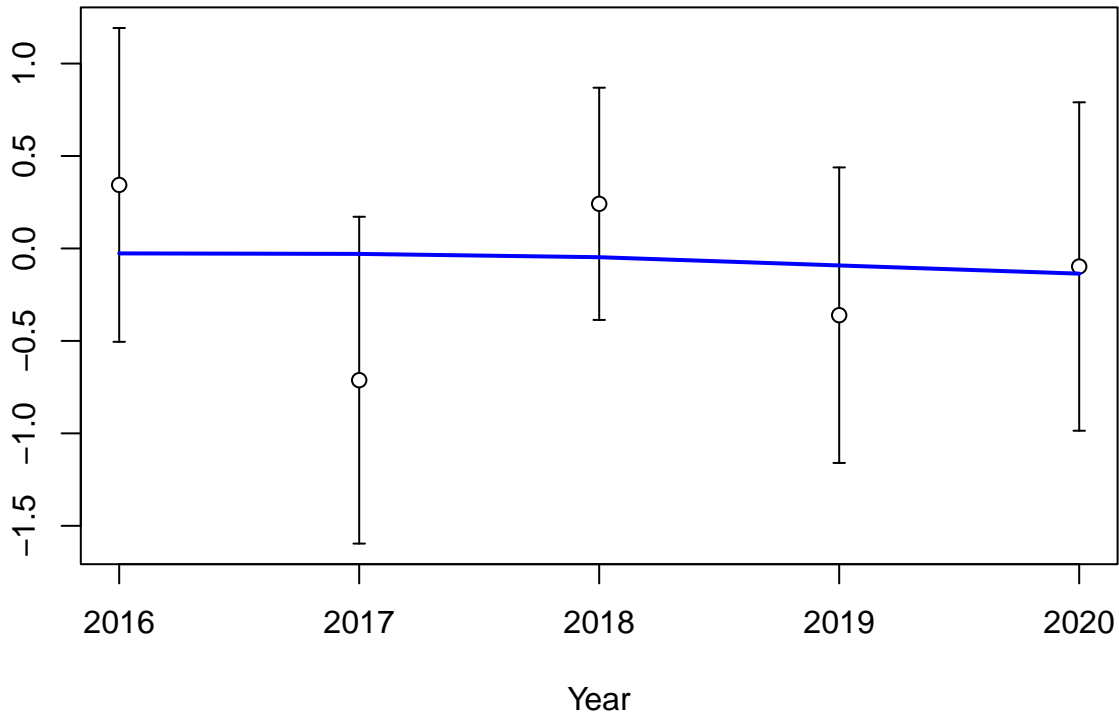


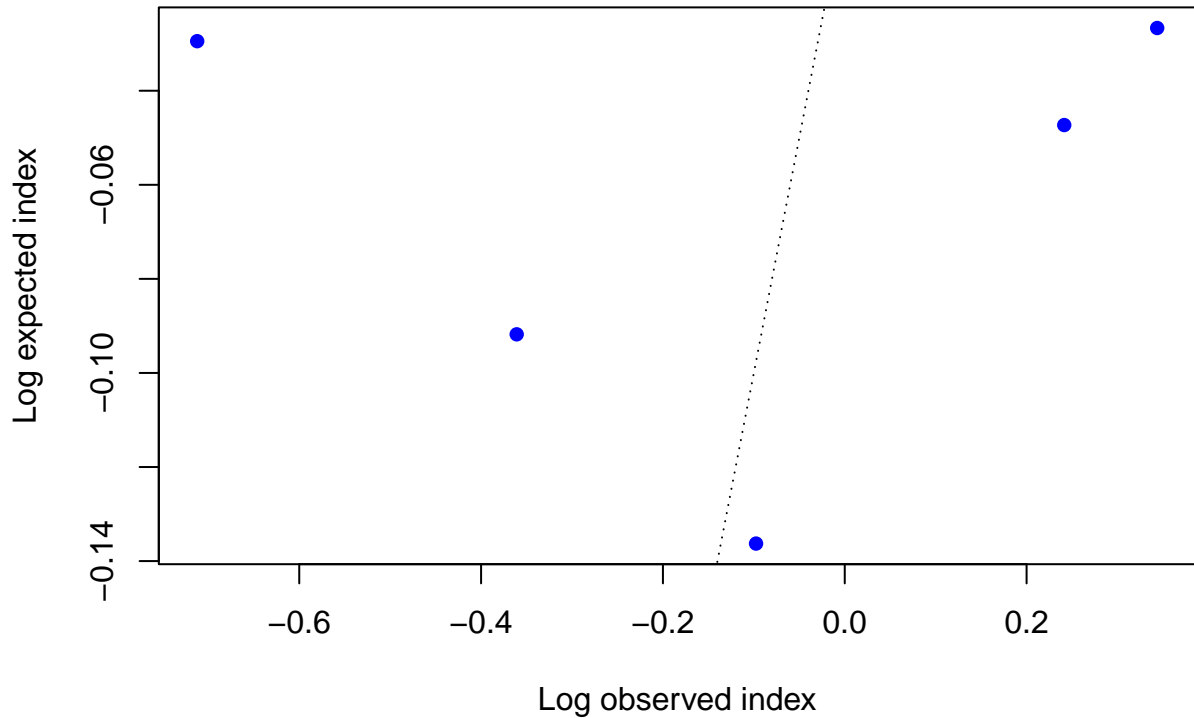
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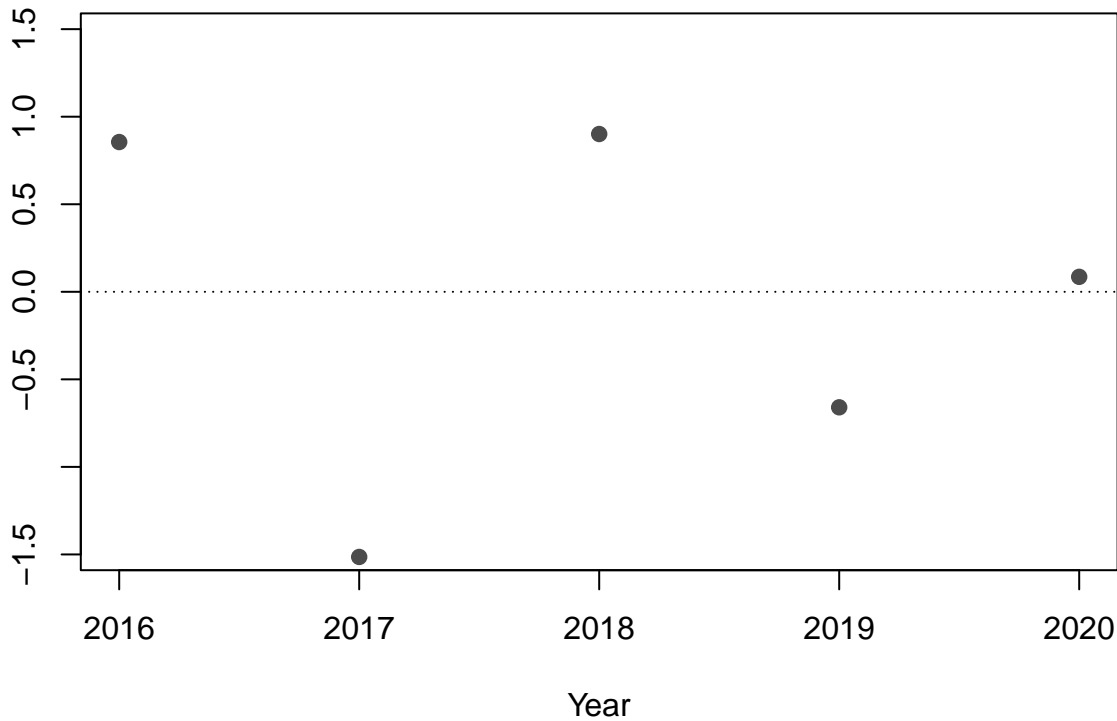


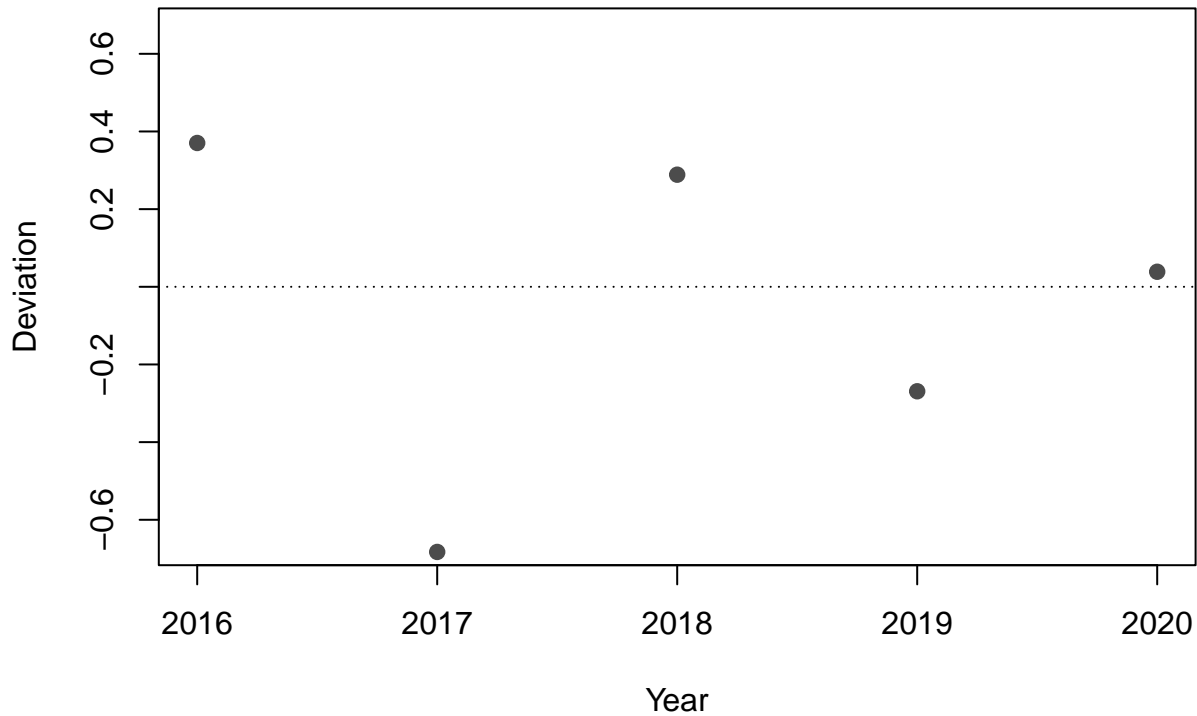
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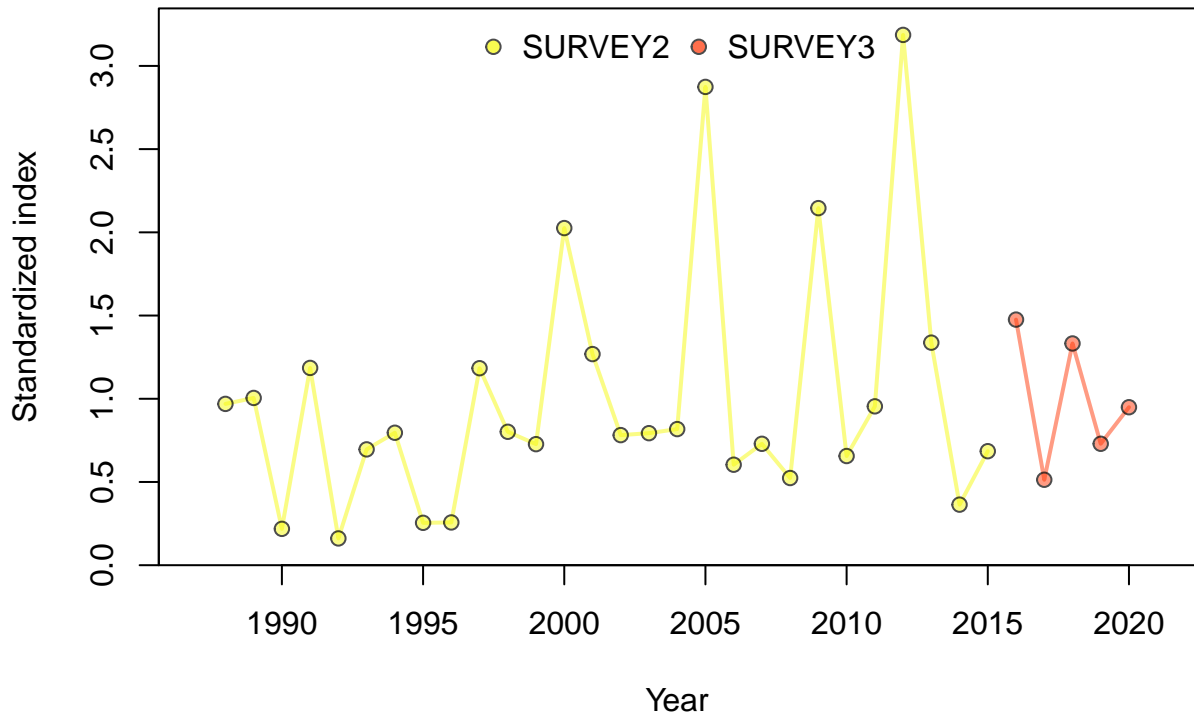


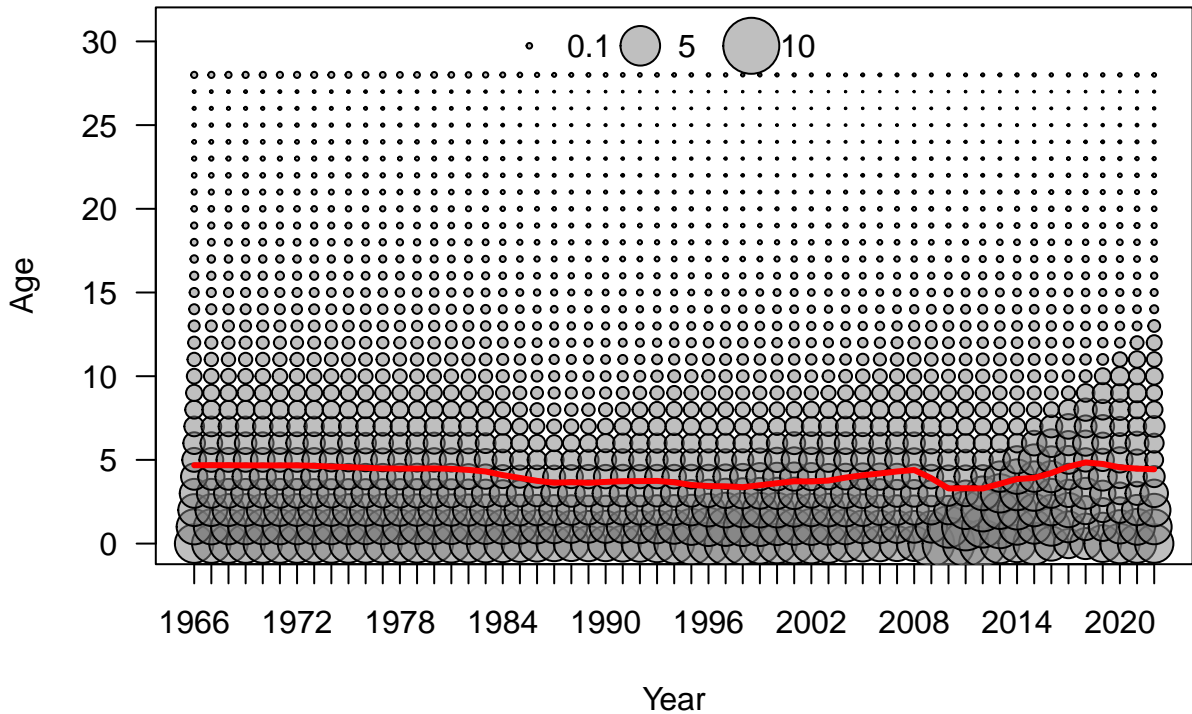


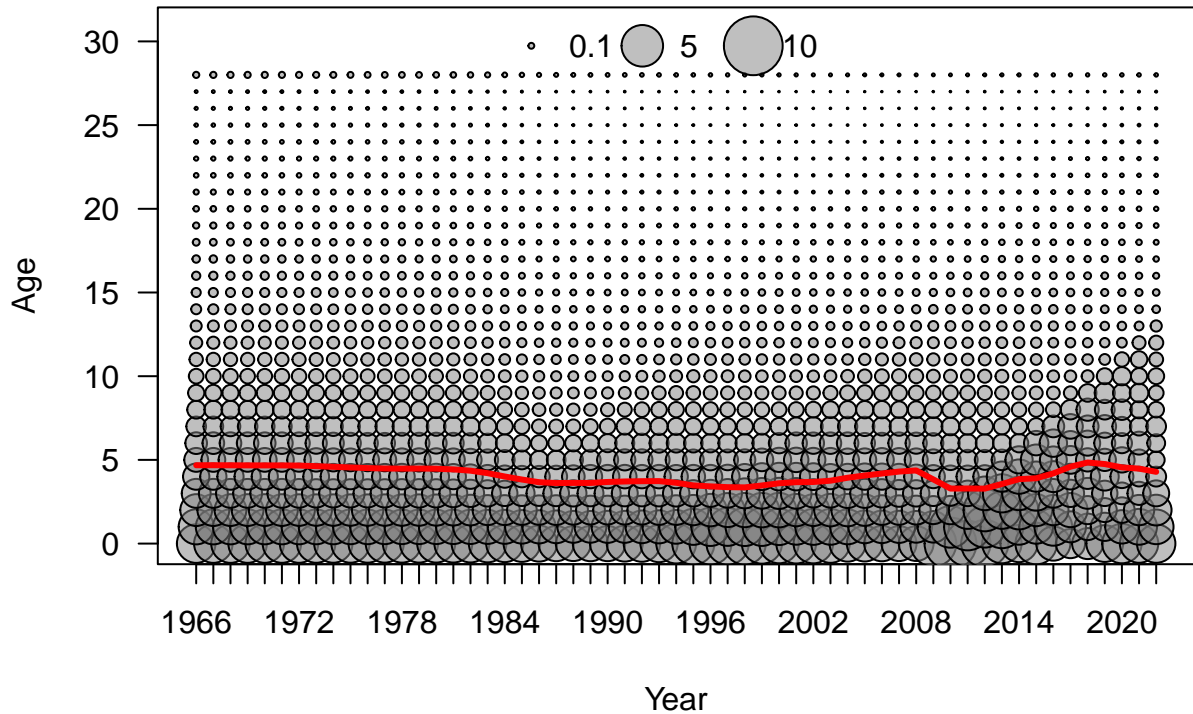
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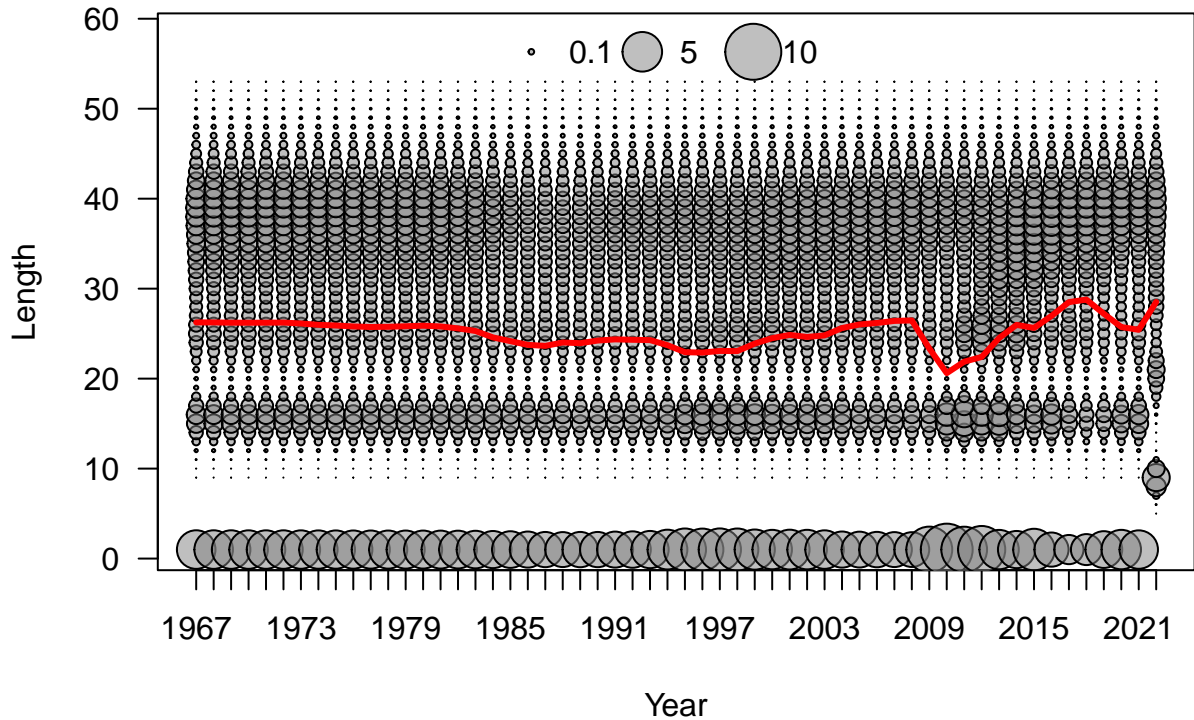


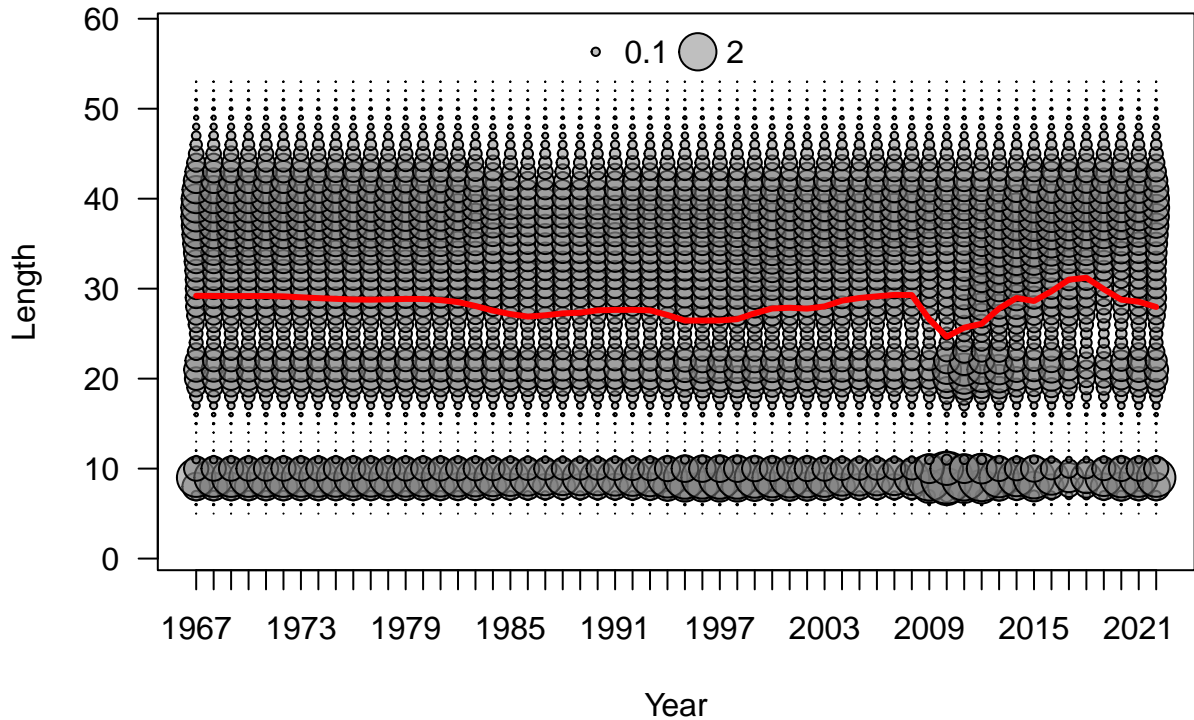




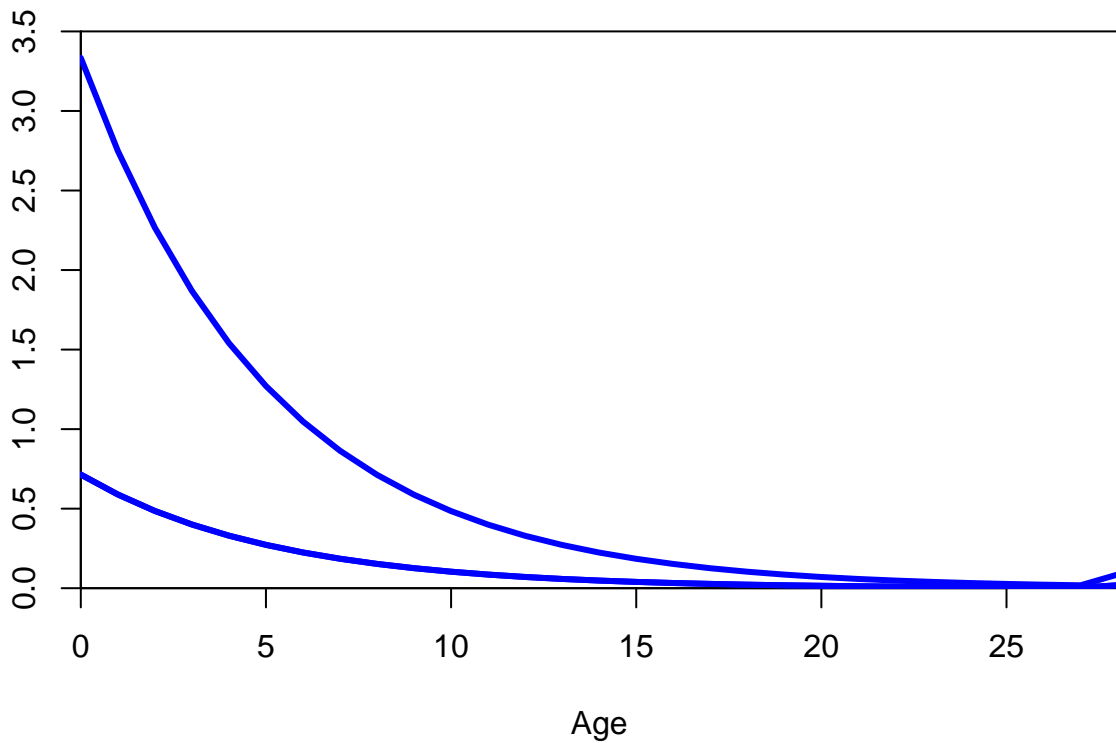


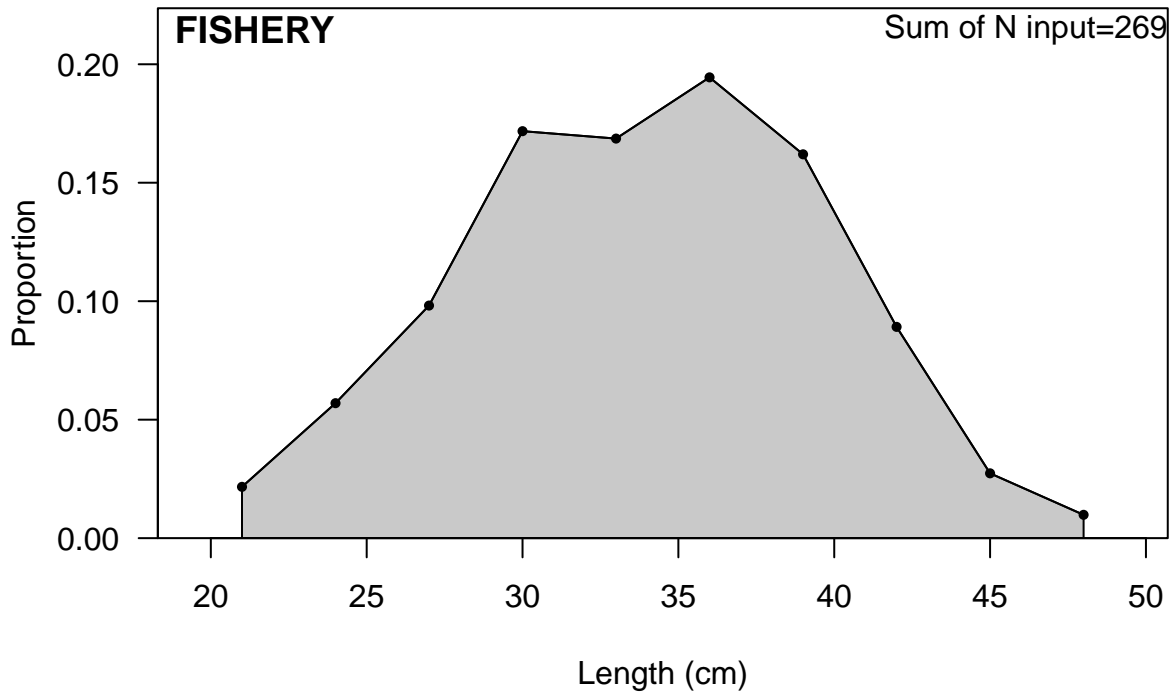


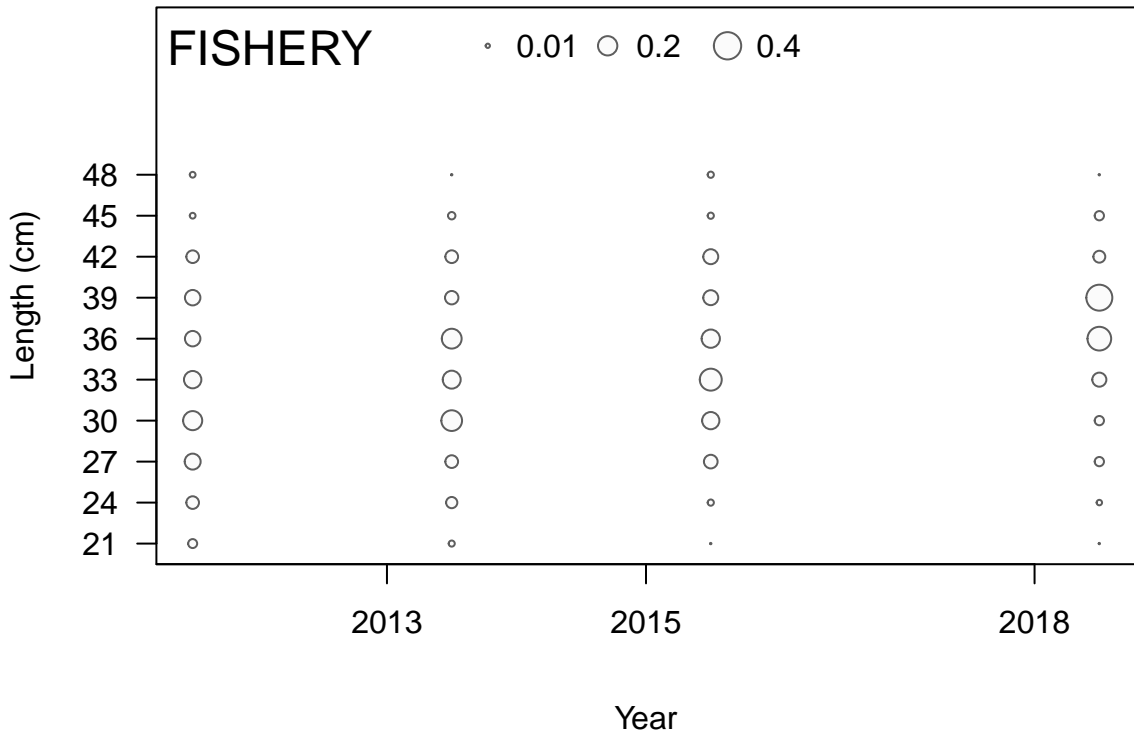


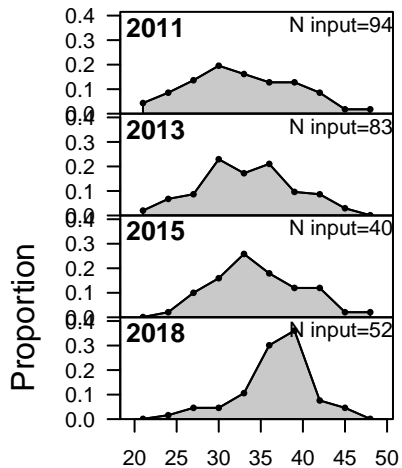


Numbers at age at equilibrium

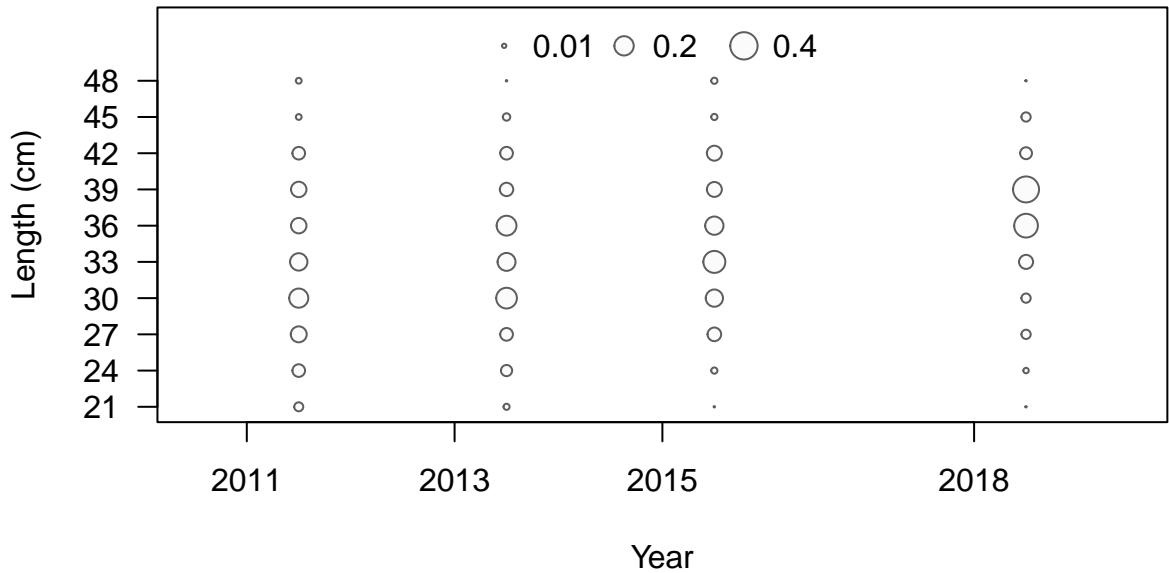




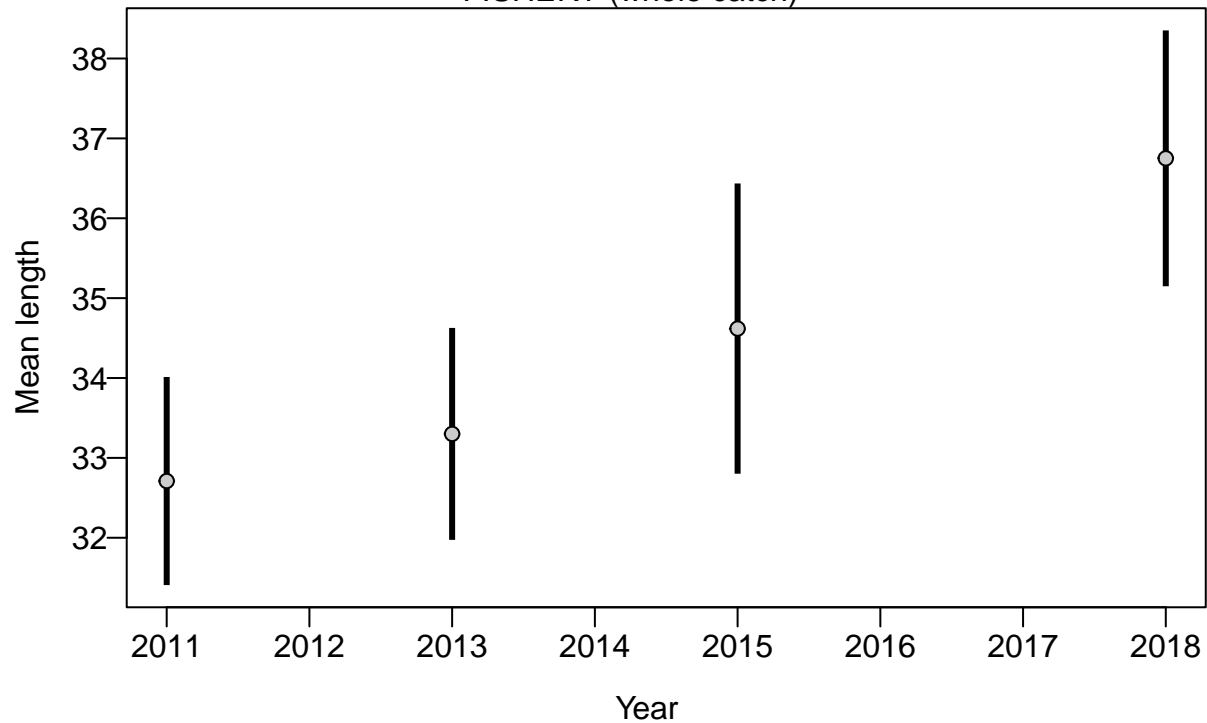


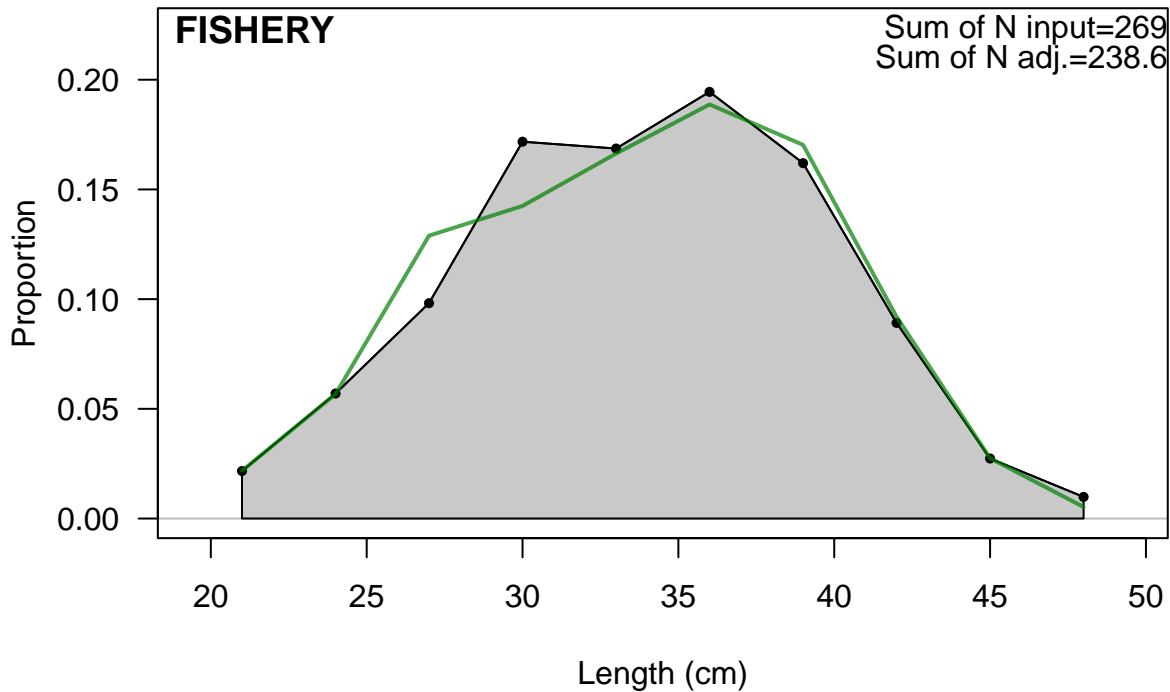


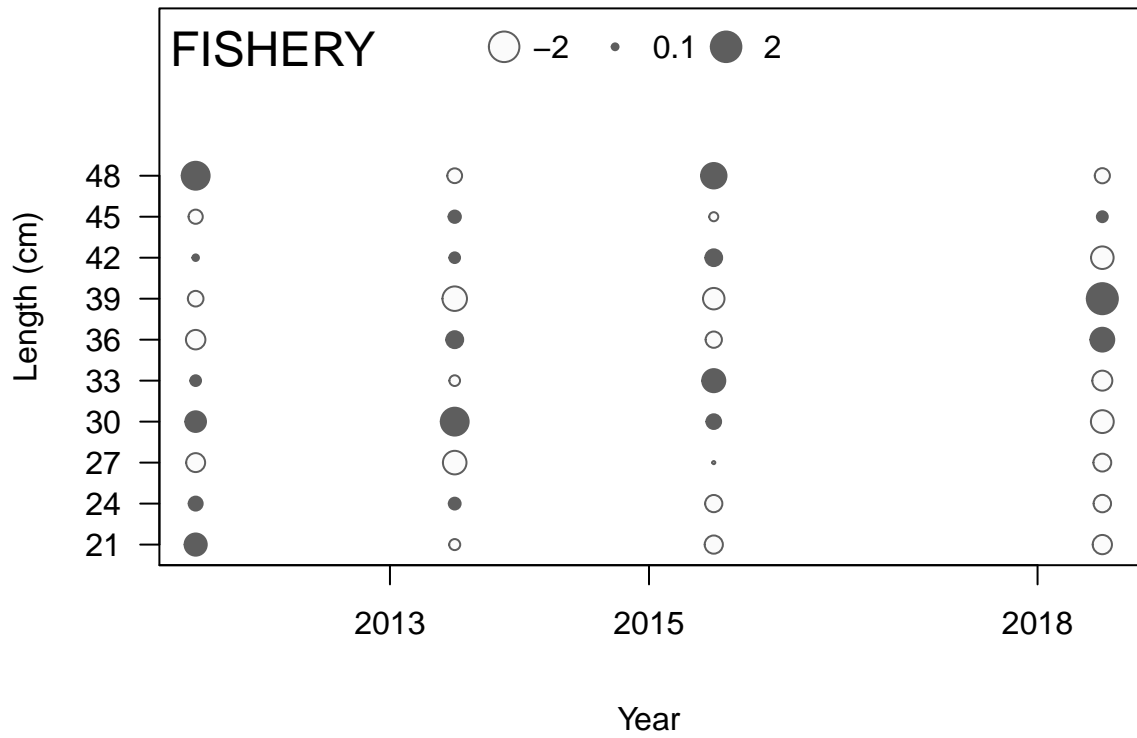
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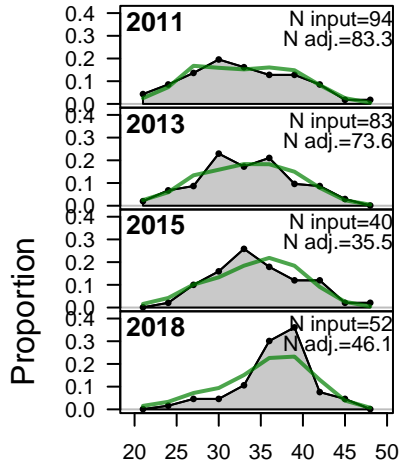


FISHERY (whole catch)

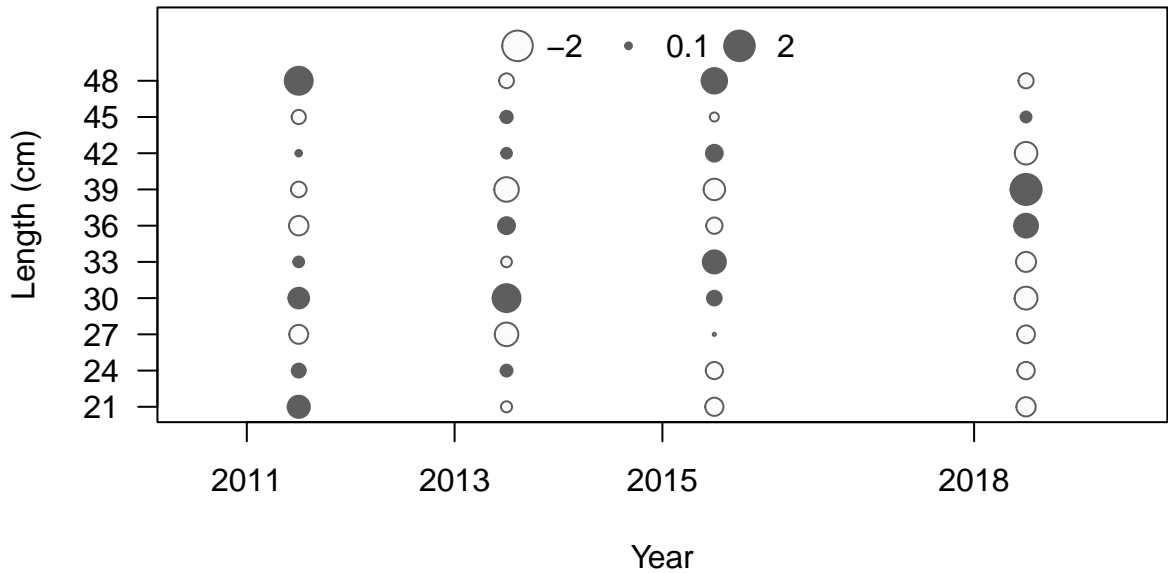




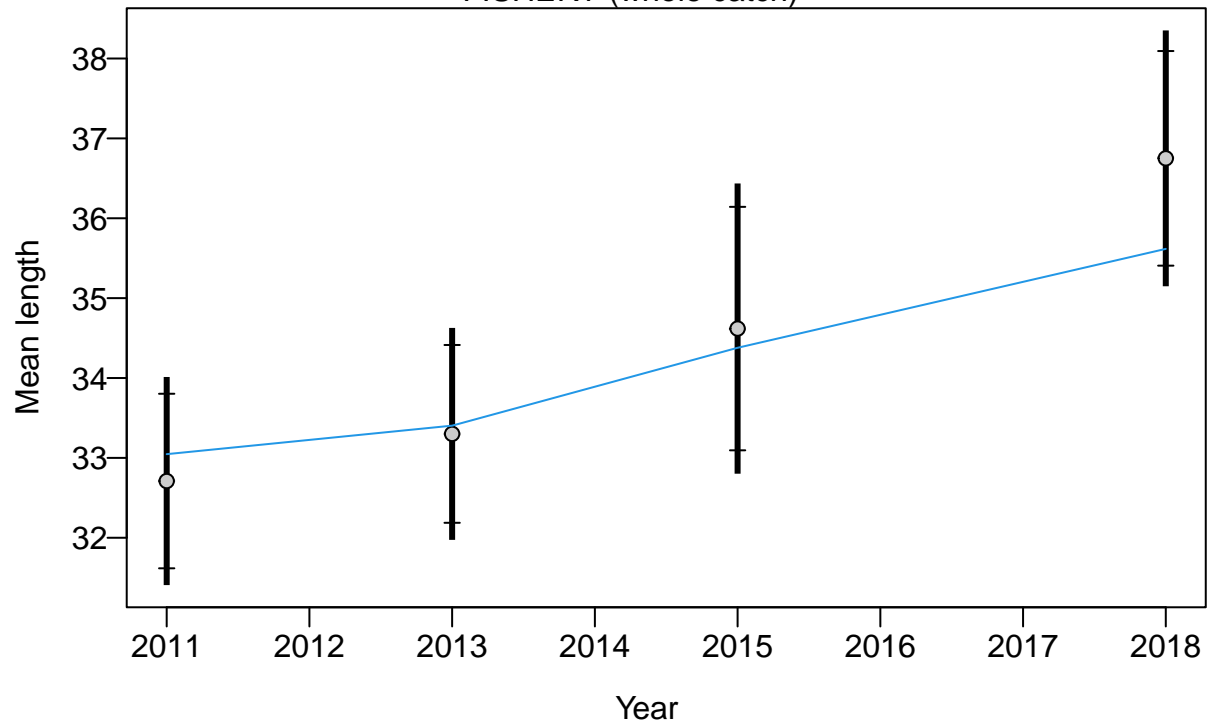


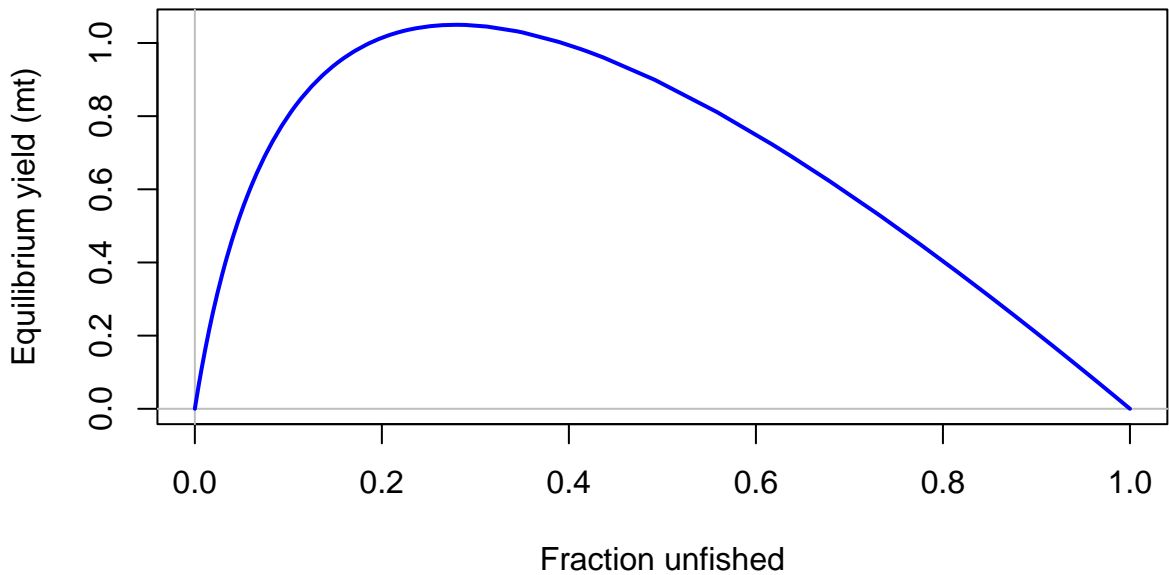


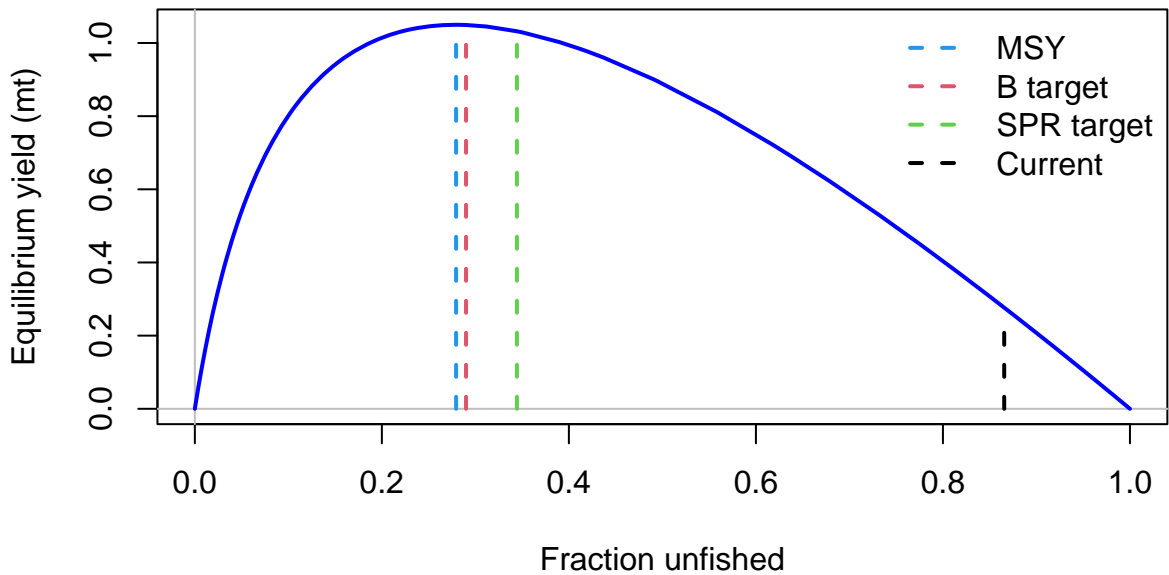
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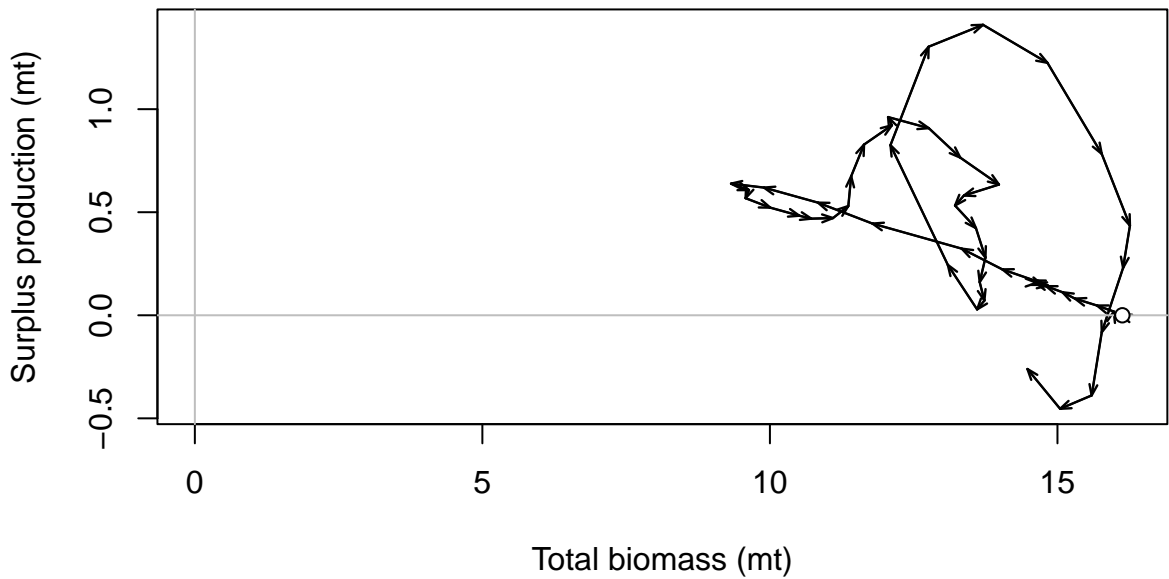


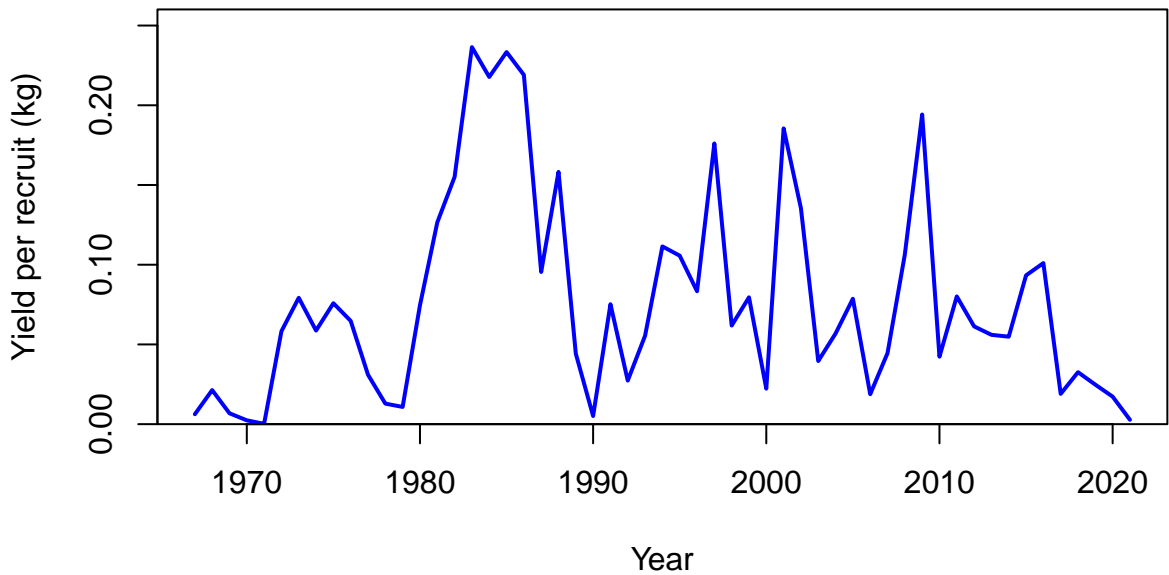
FISHERY (whole catch)

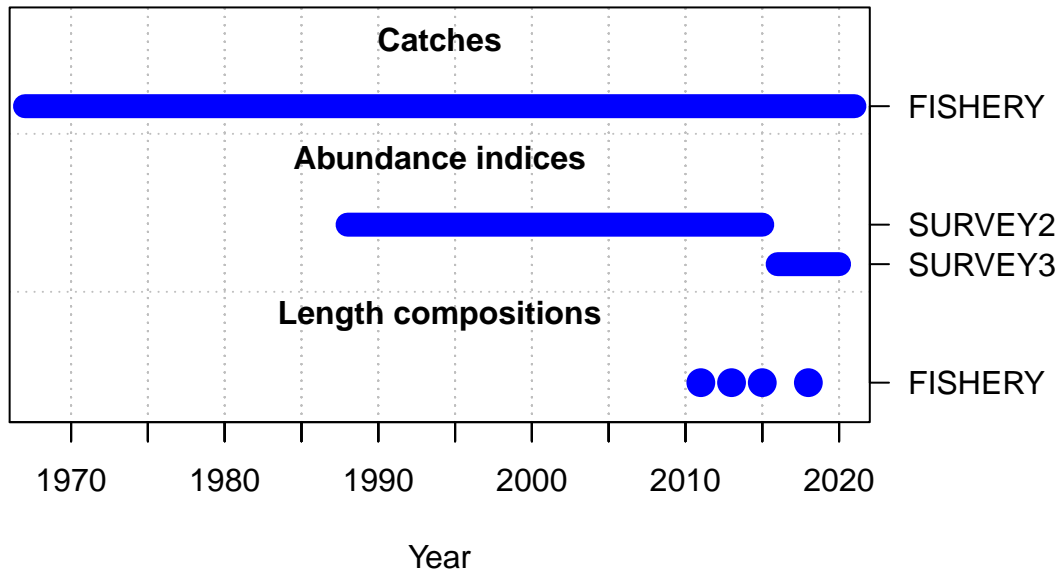


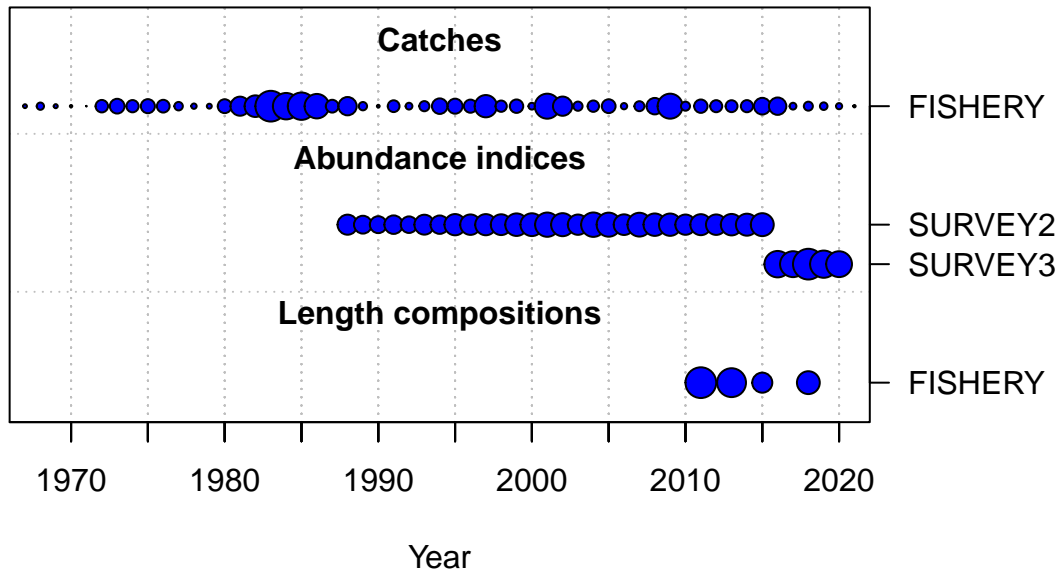




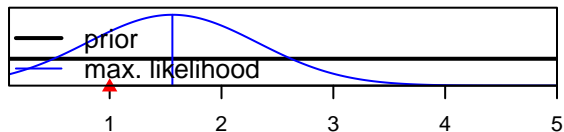




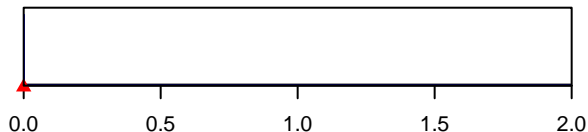




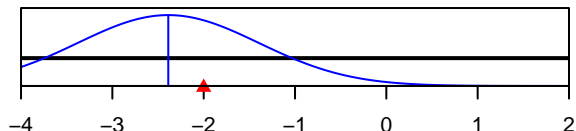
SR_LN(R0)



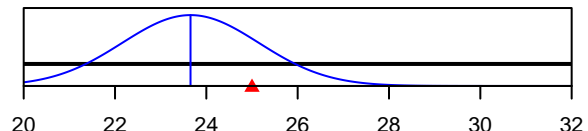
Q_extraSD_SURVEY3(3)



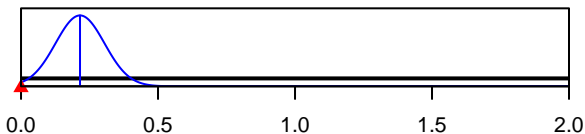
LnQ_base_SURVEY2(2)



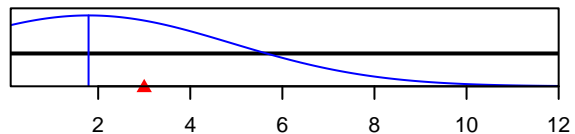
Size_inflection_FISHERY(1)



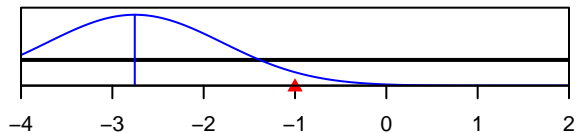
Q_extraSD_SURVEY2(2)



Size_95%width_FISHERY(1)



LnQ_base_SURVEY3(3)



ln(DM_theta)_1

