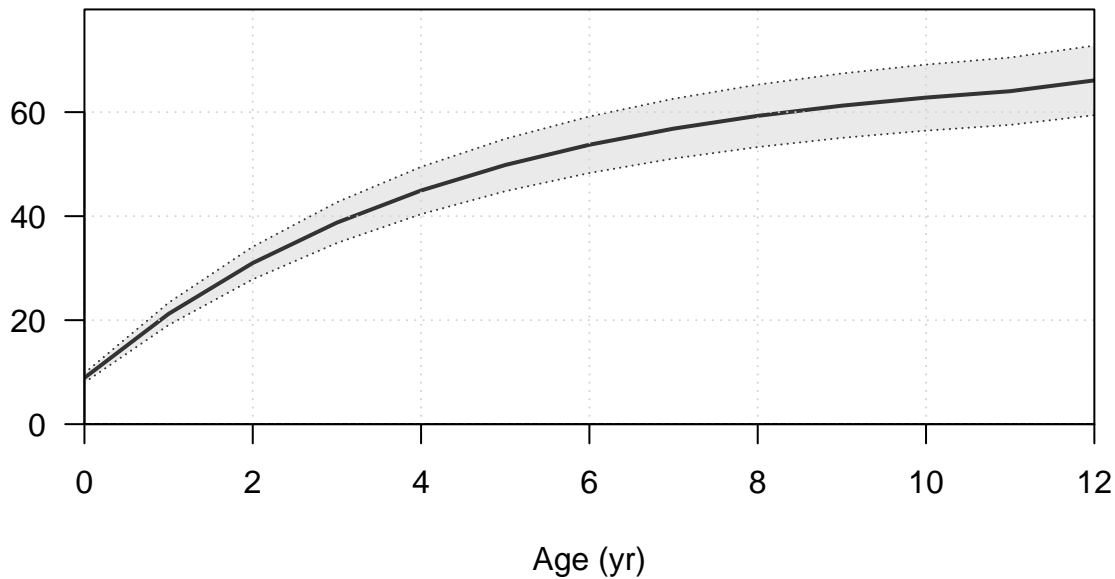
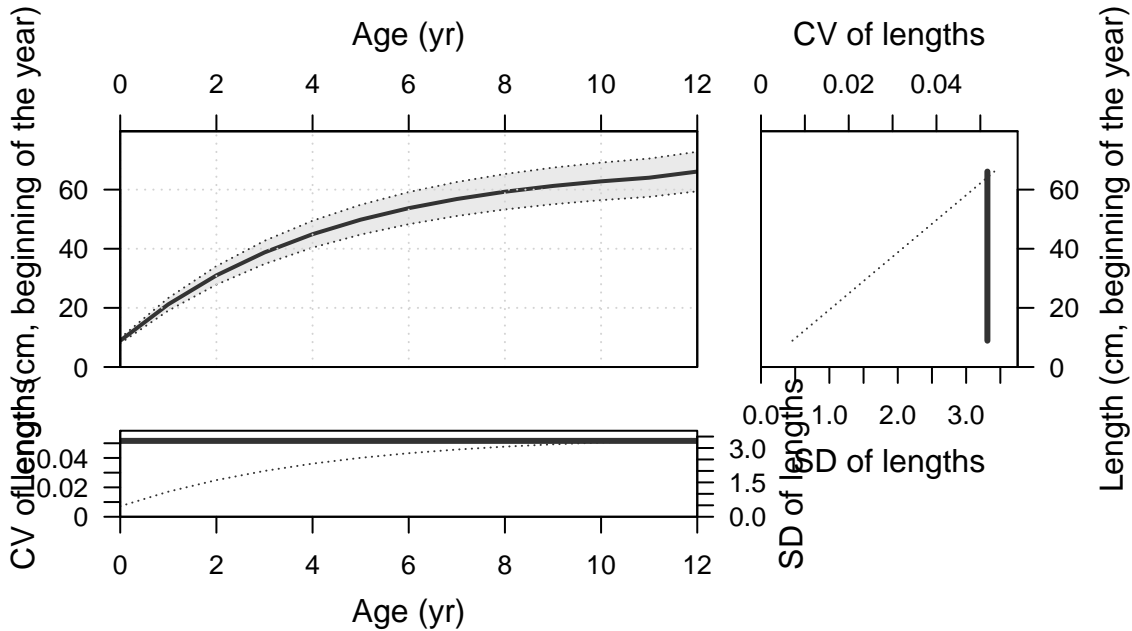
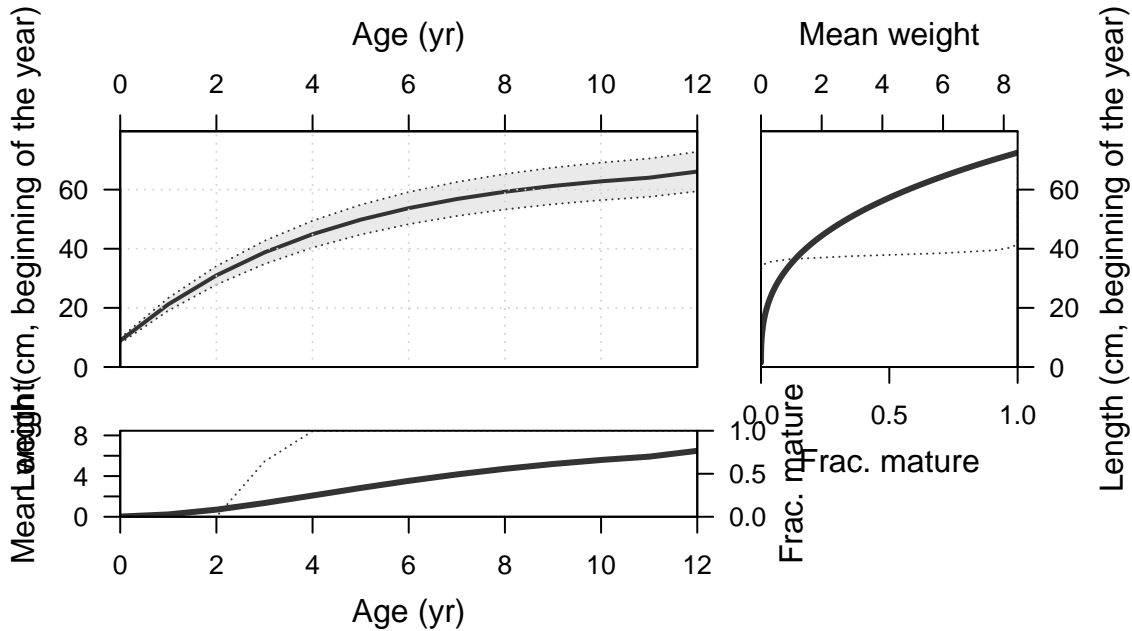


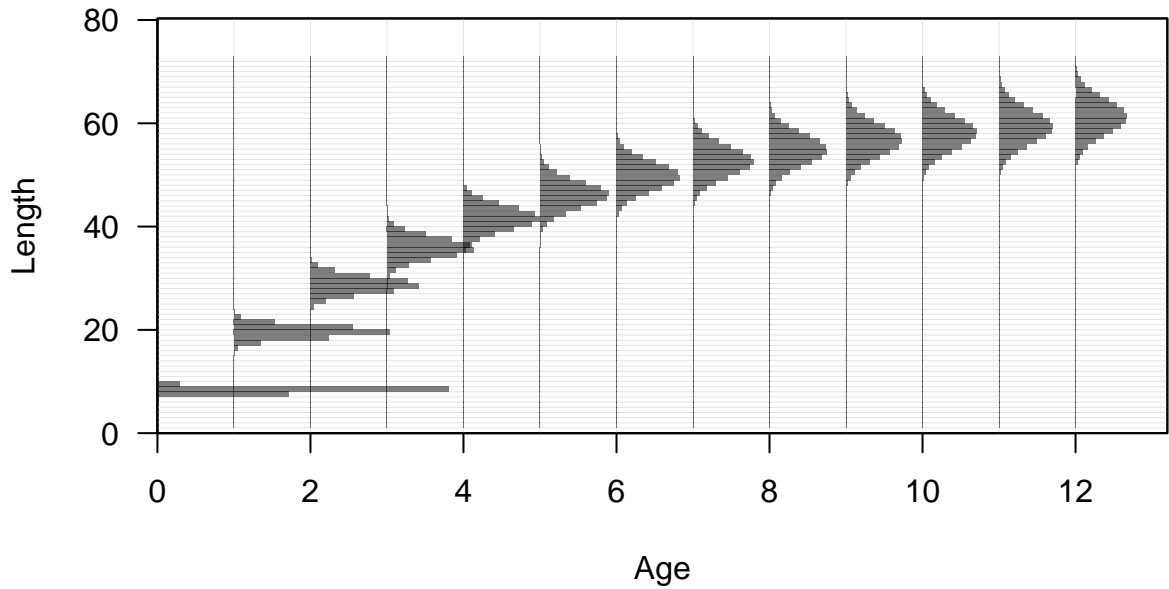
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Tue Feb 14 09:38:06 2023  
Data\_File: data.ss  
Control\_File: control.ss

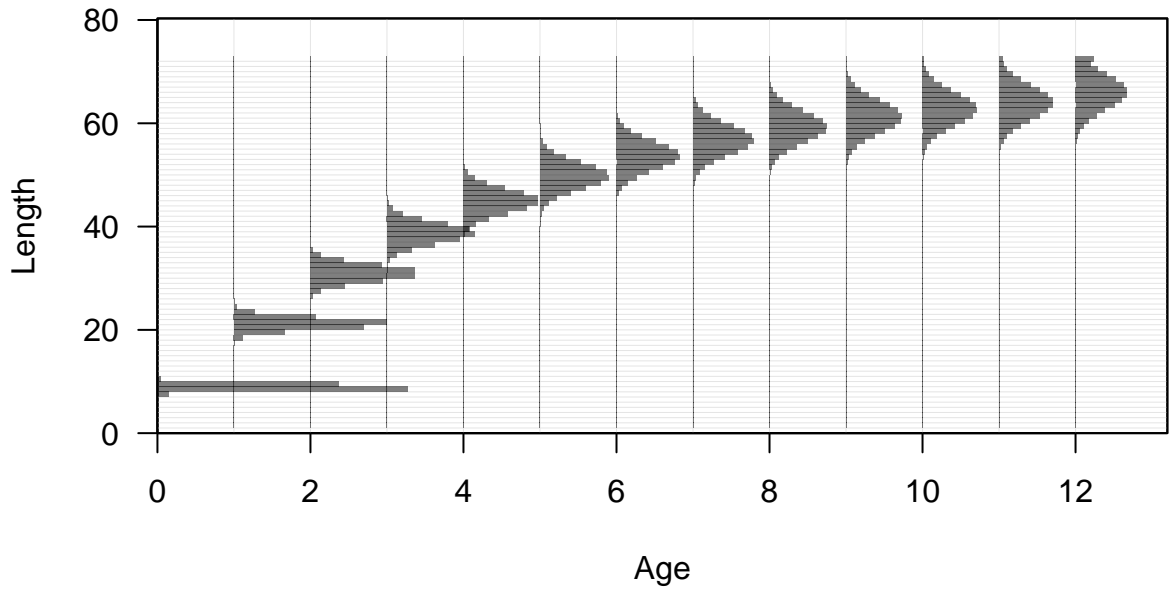
Length (cm, beginning of the year)

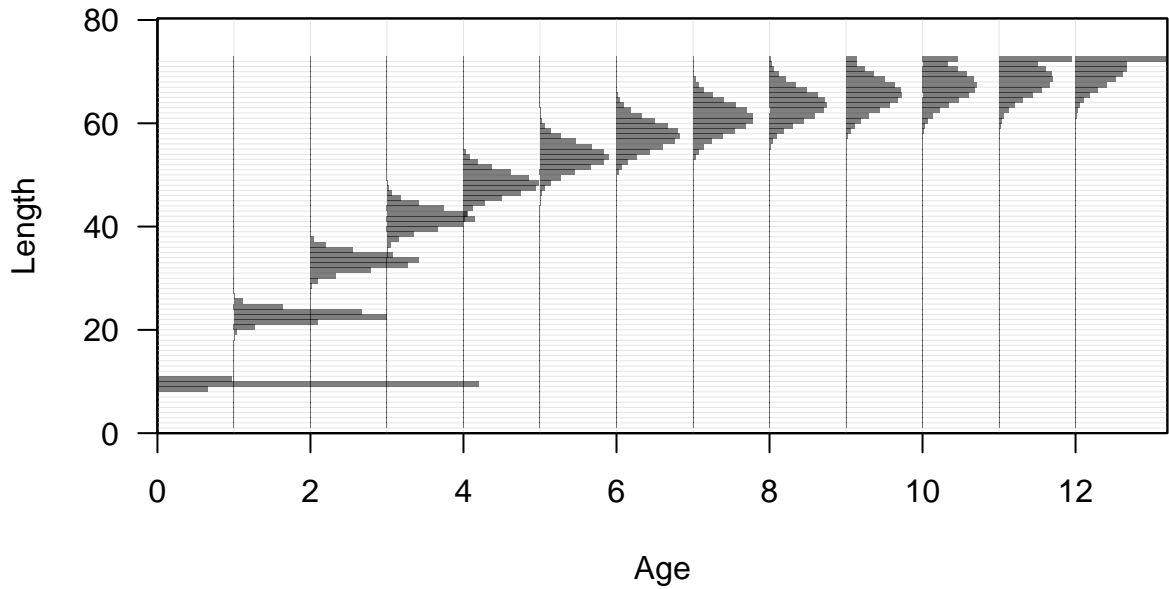


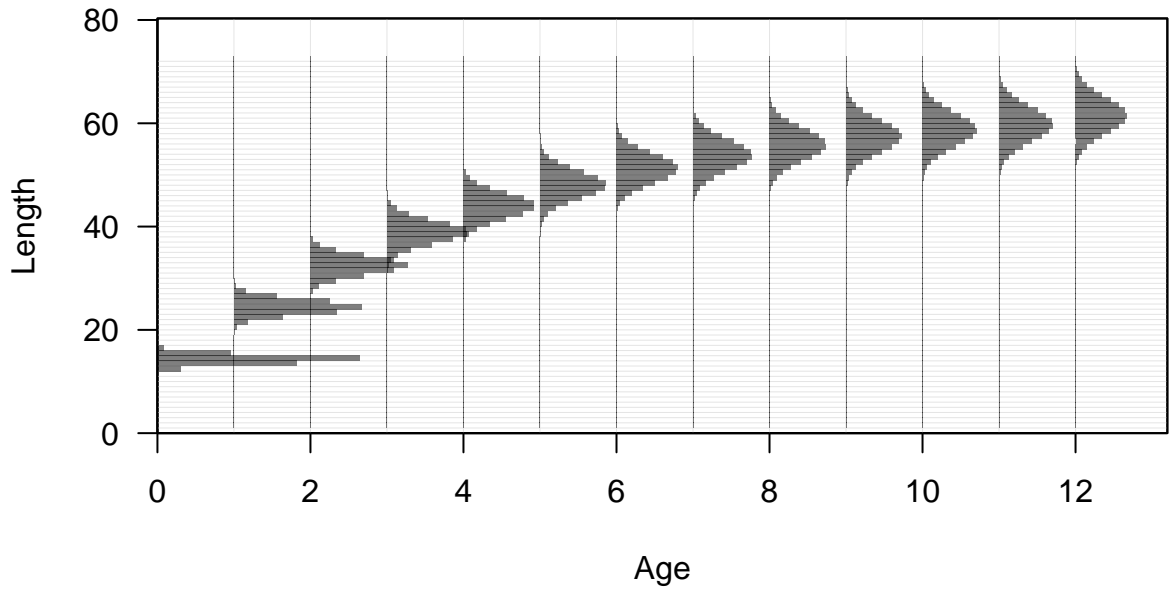




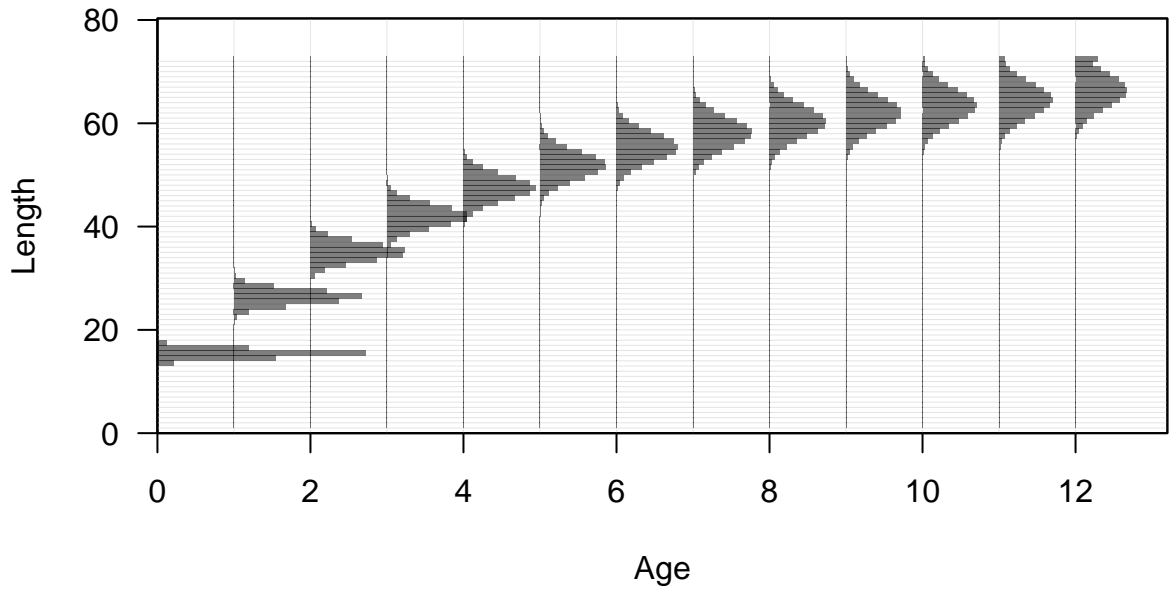


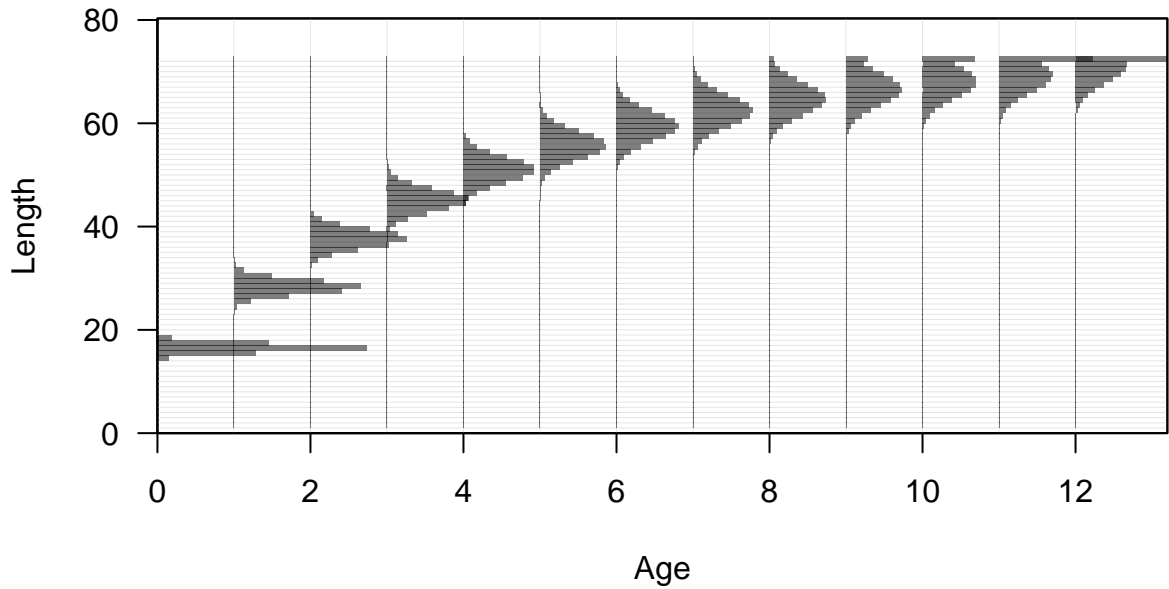


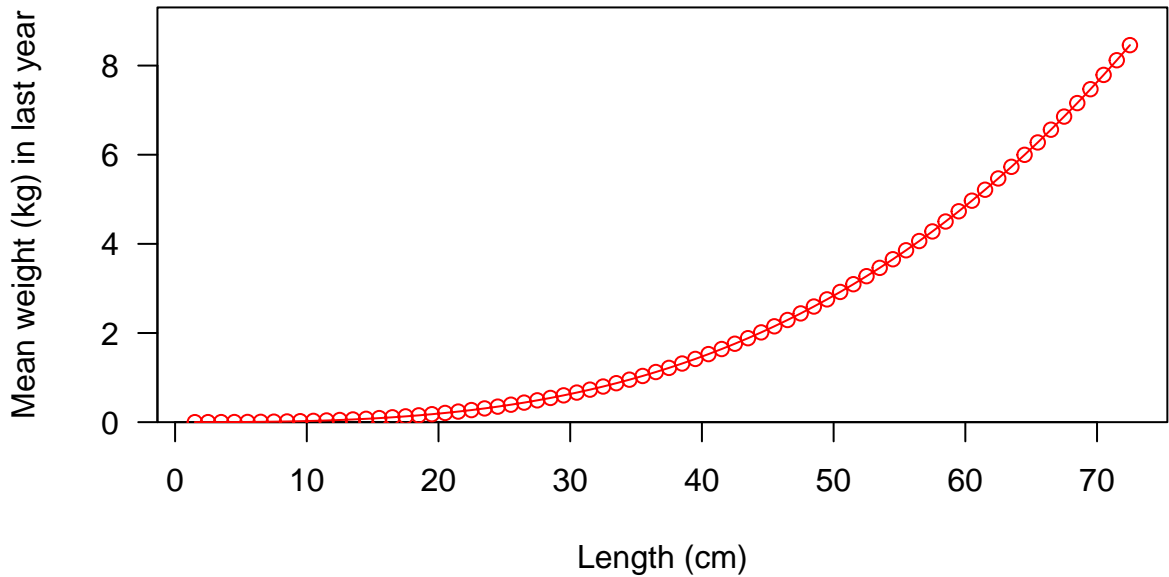


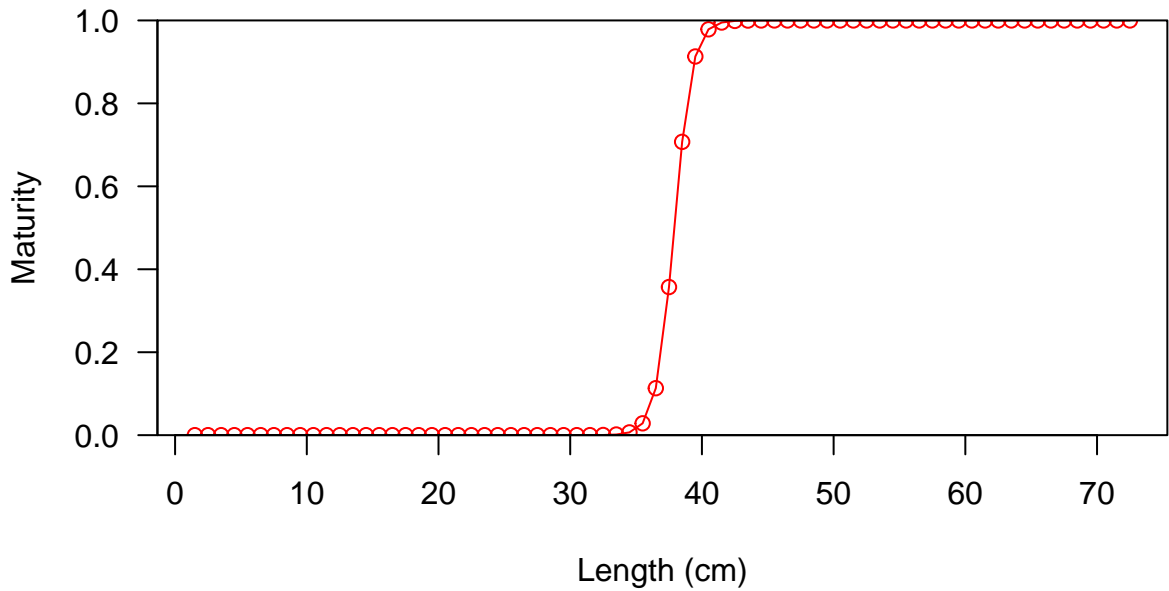


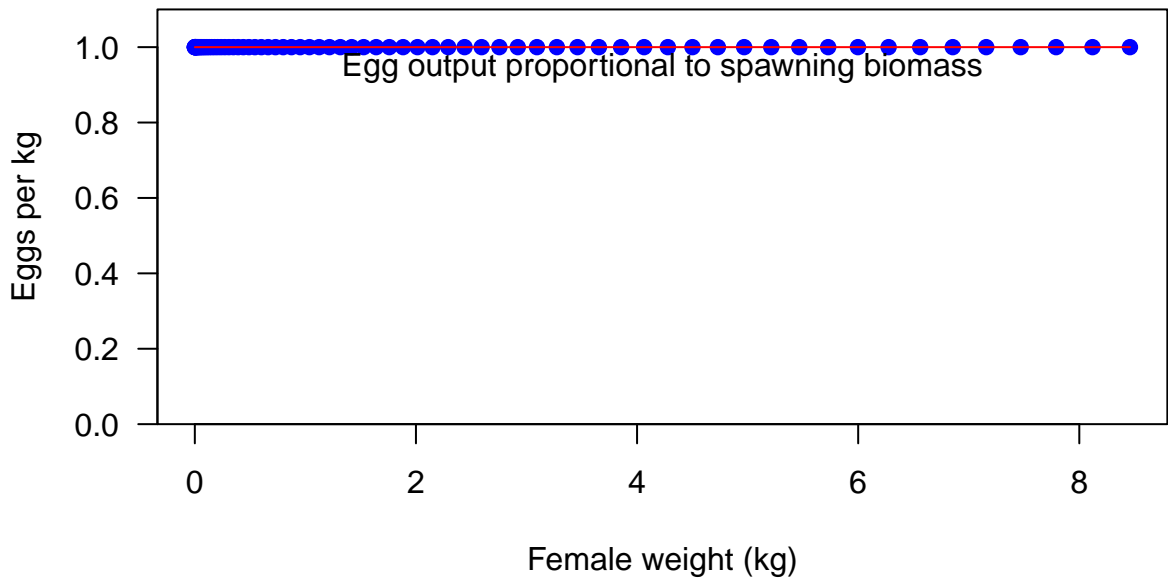




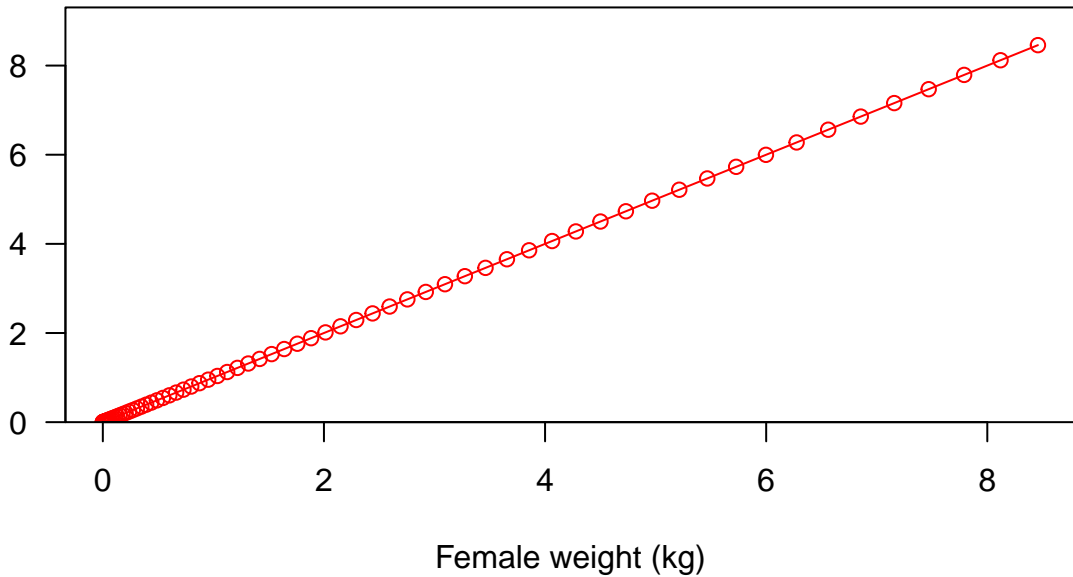




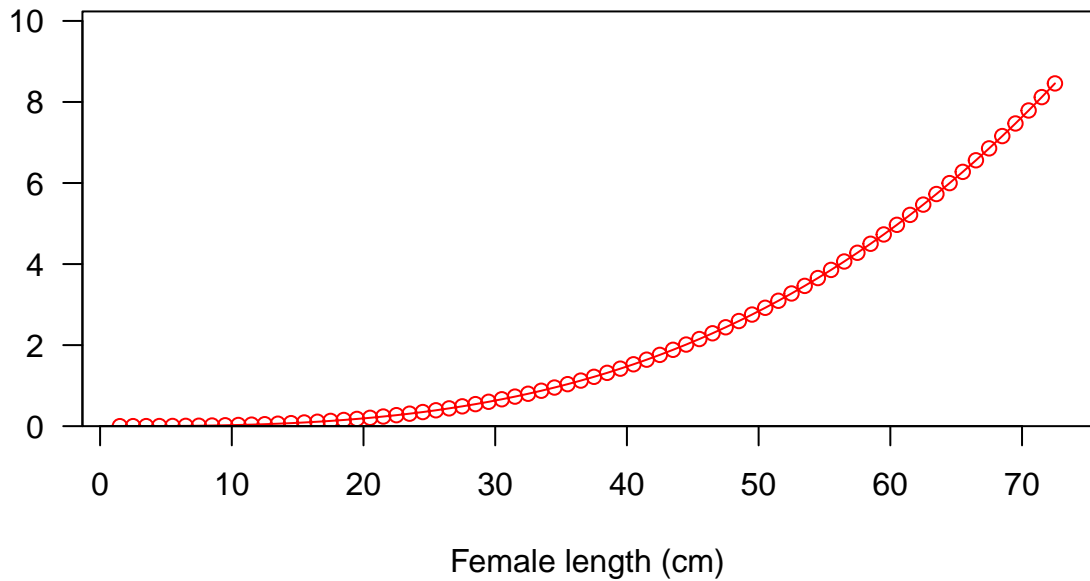




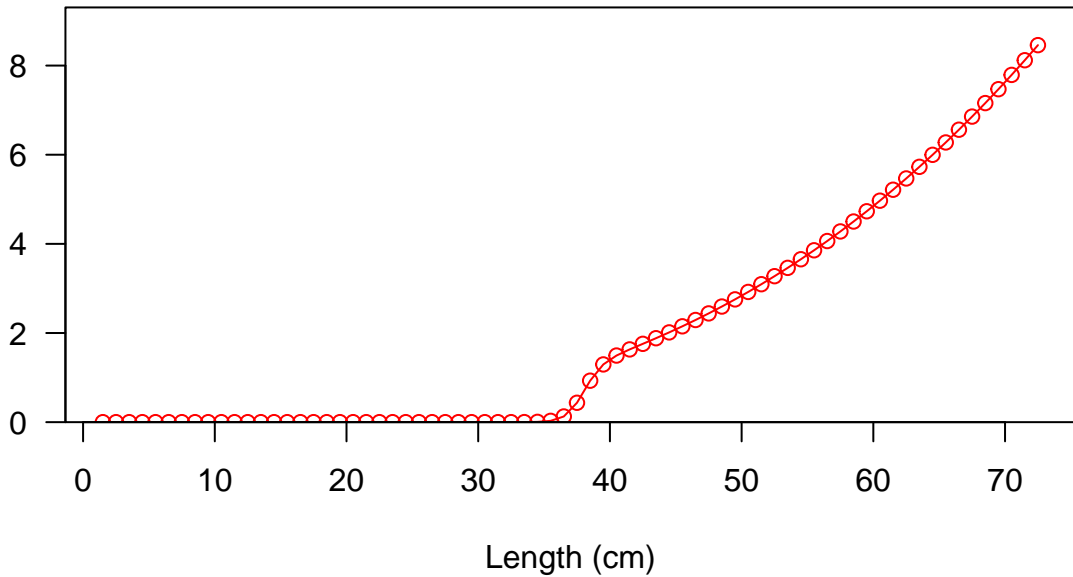
Fecundity



Fecundity

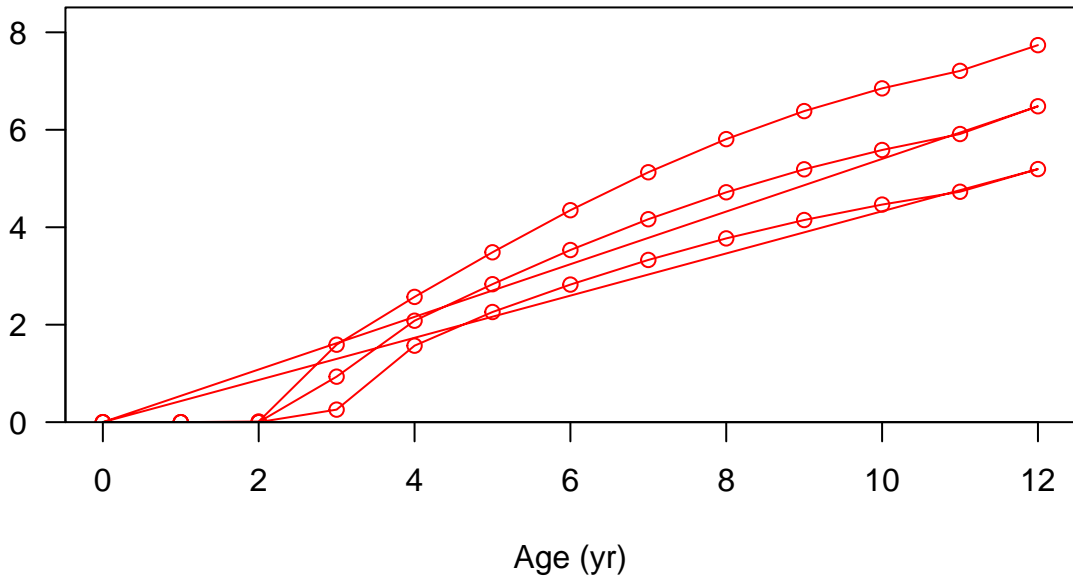


Spawning output

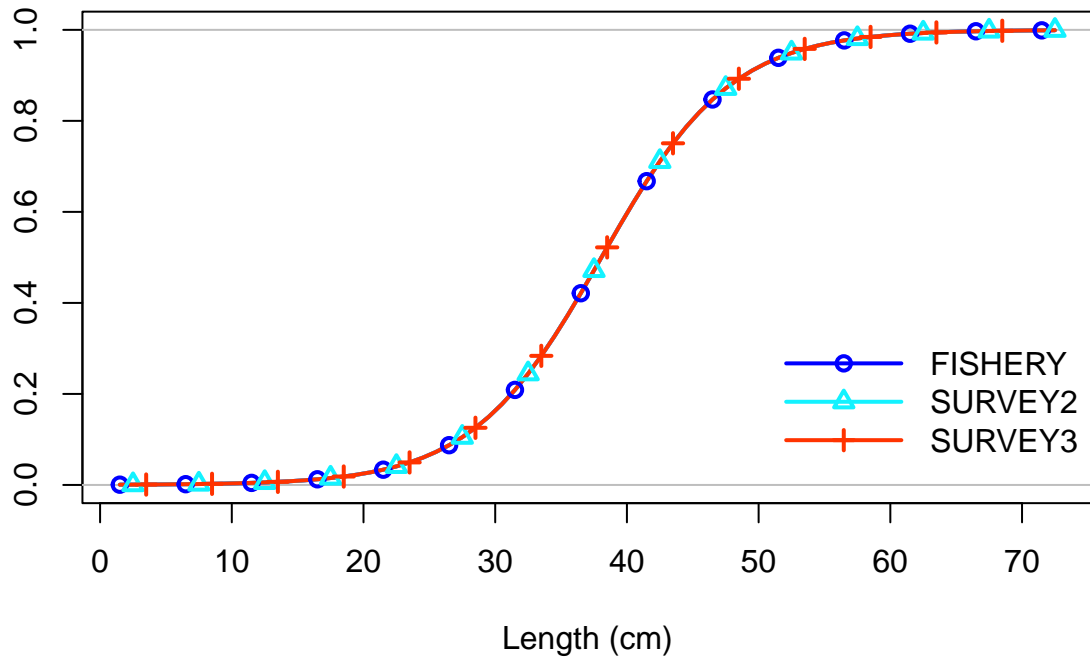


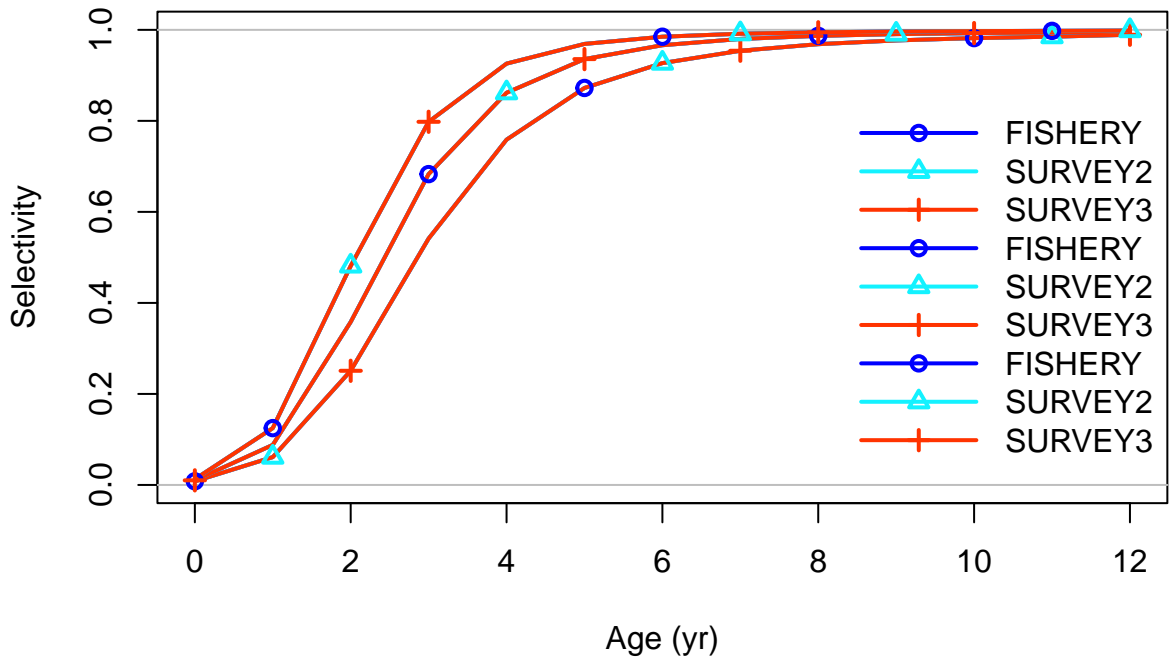


Spawning output

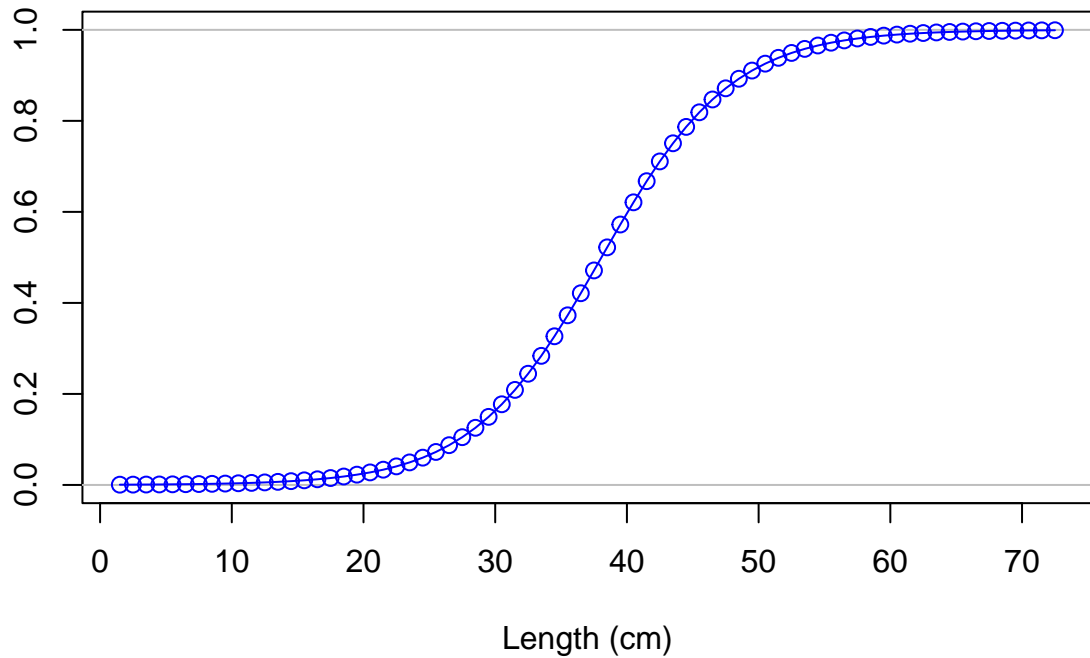


Selectivity

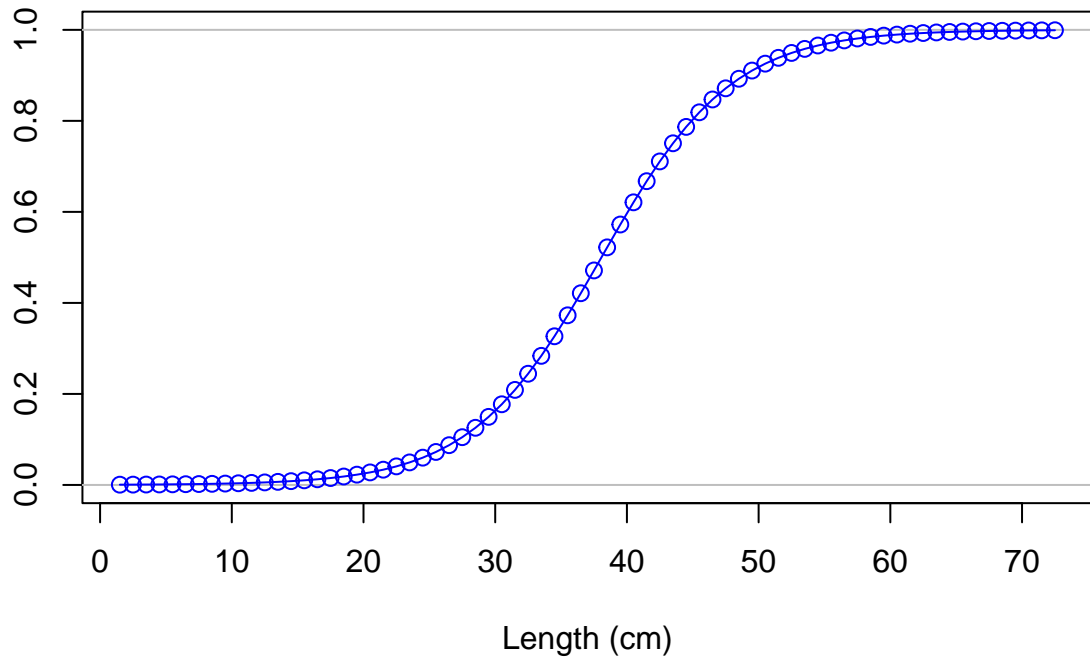




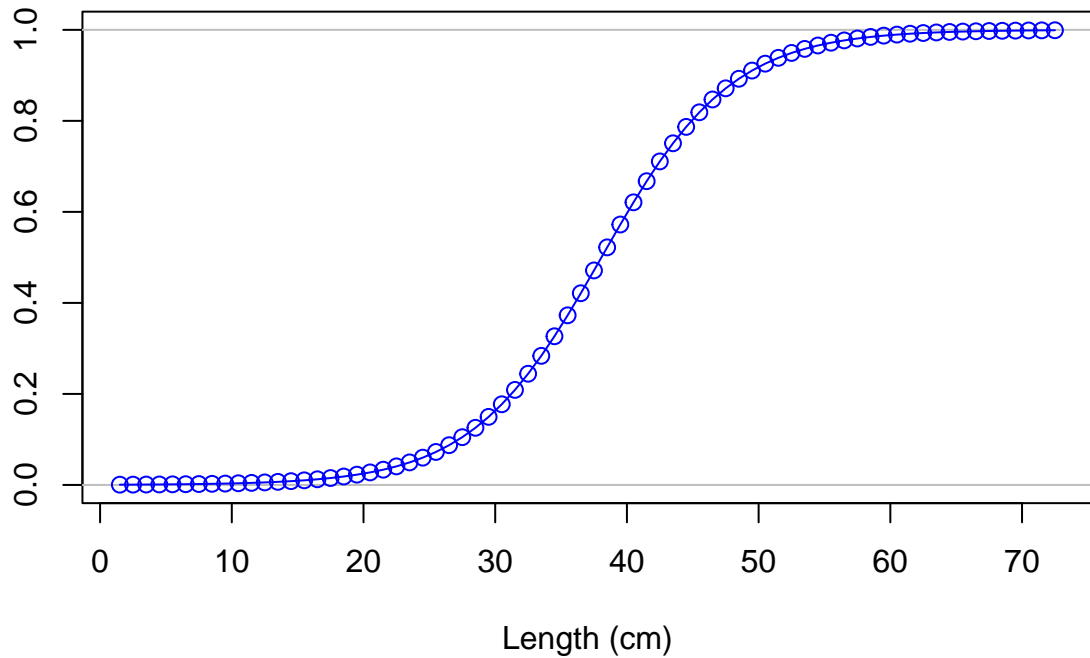
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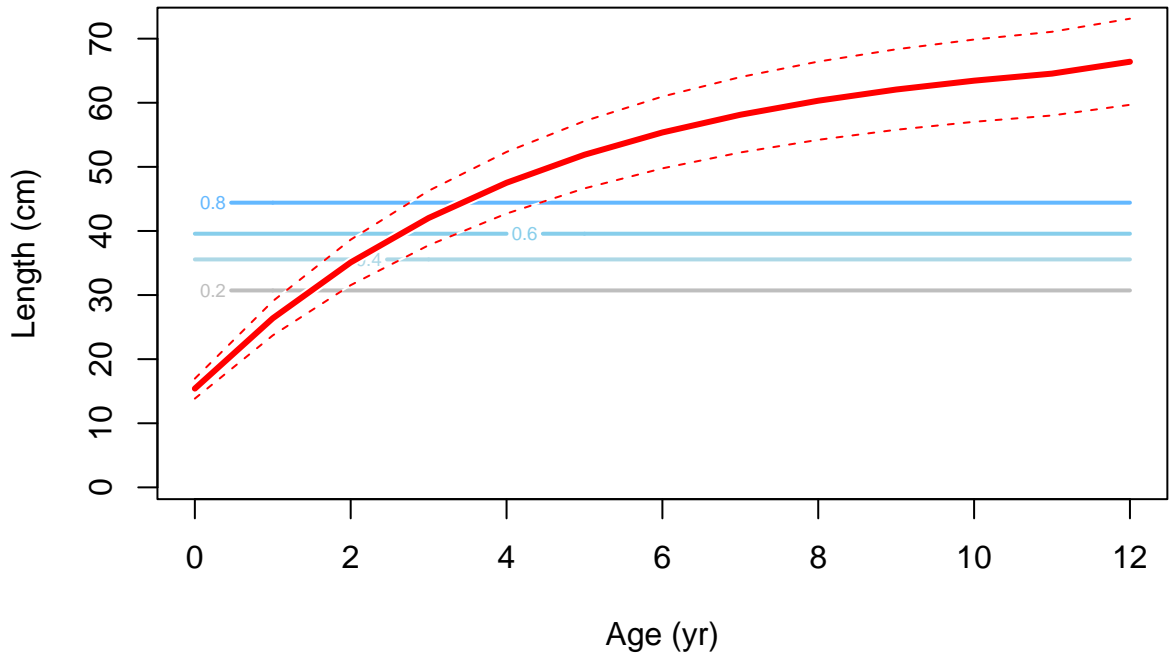


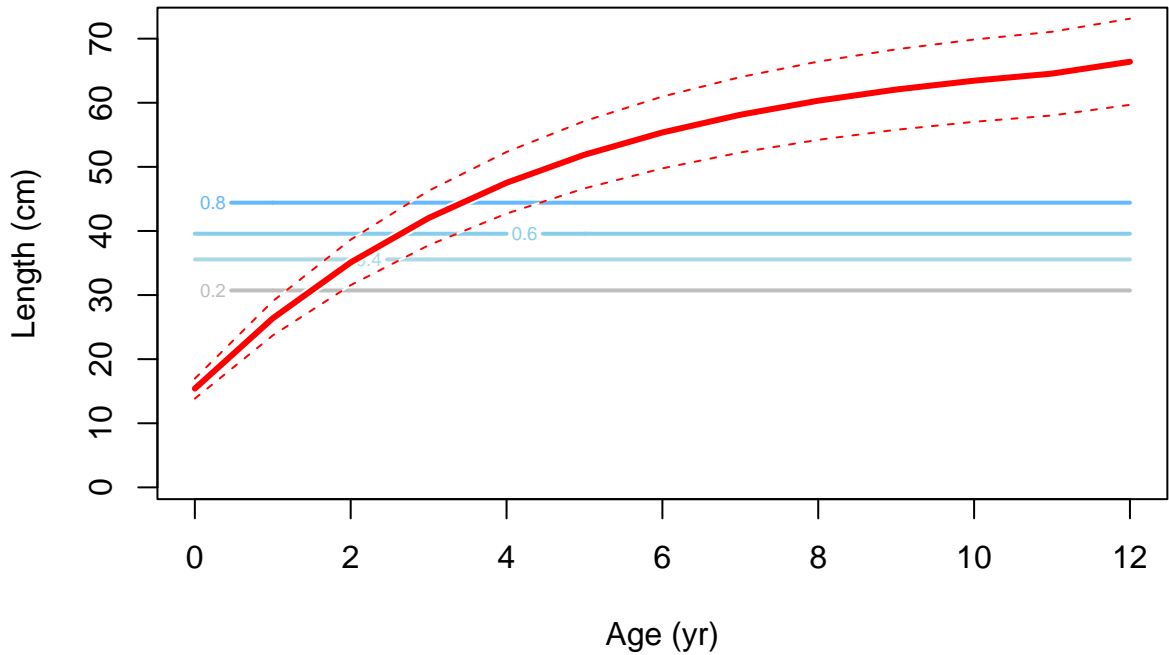
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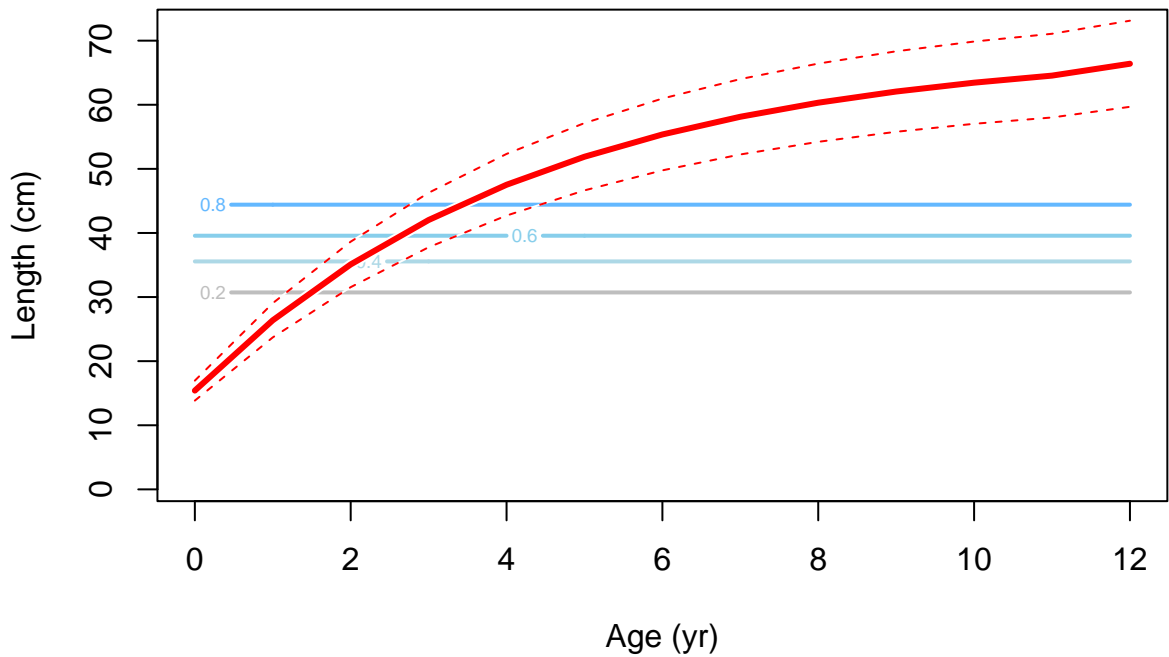
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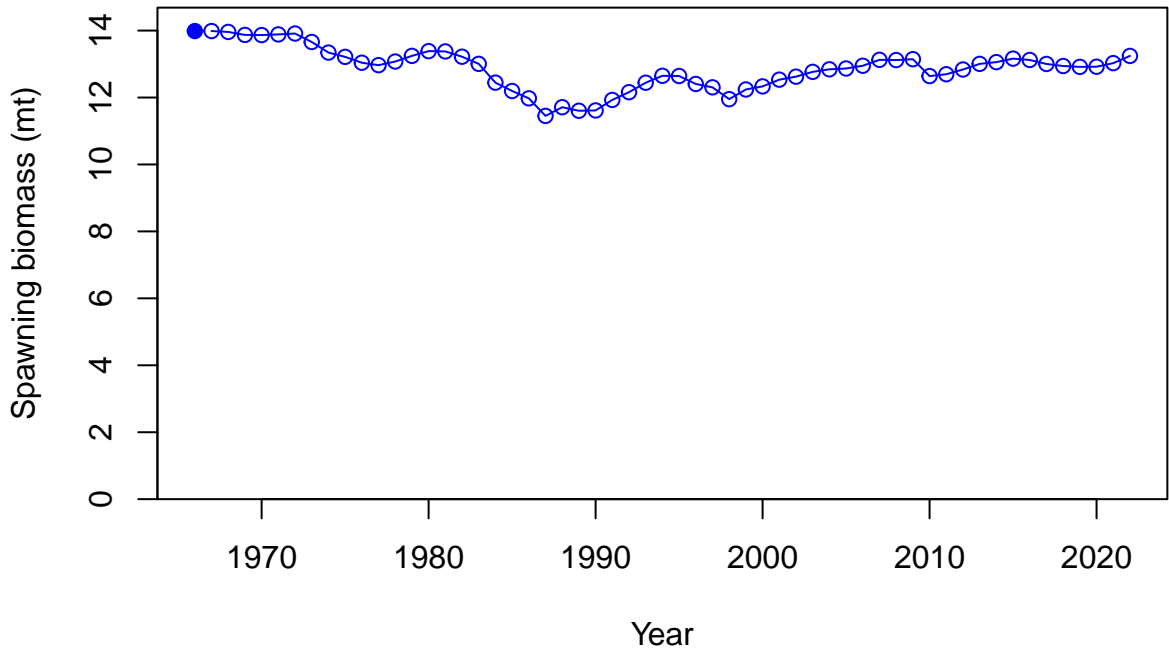


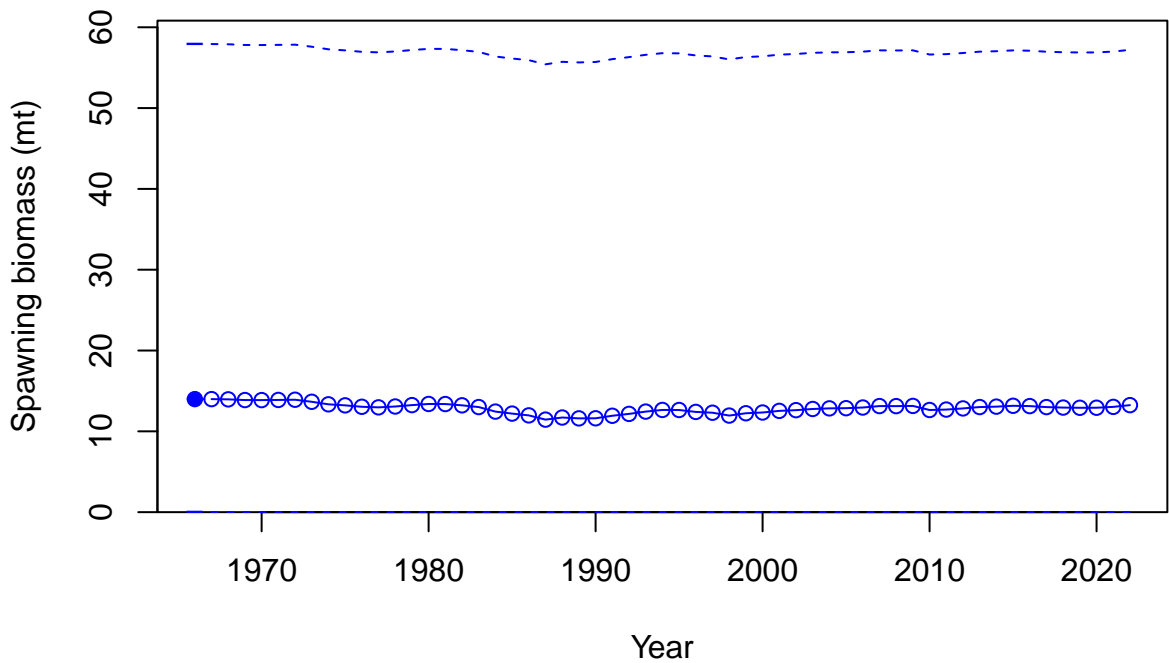




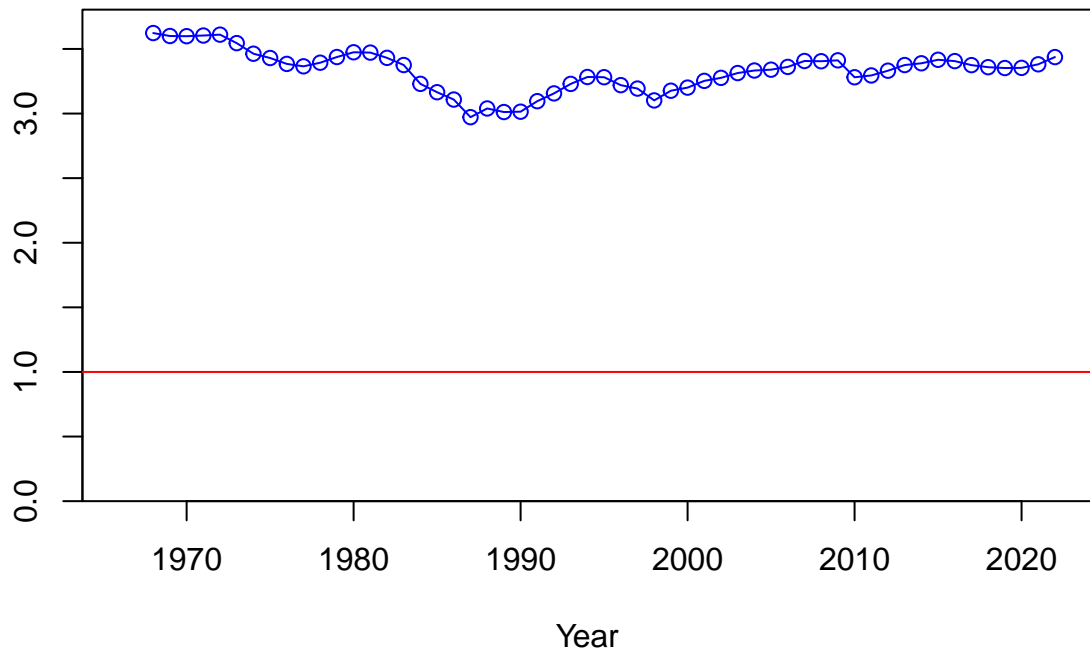




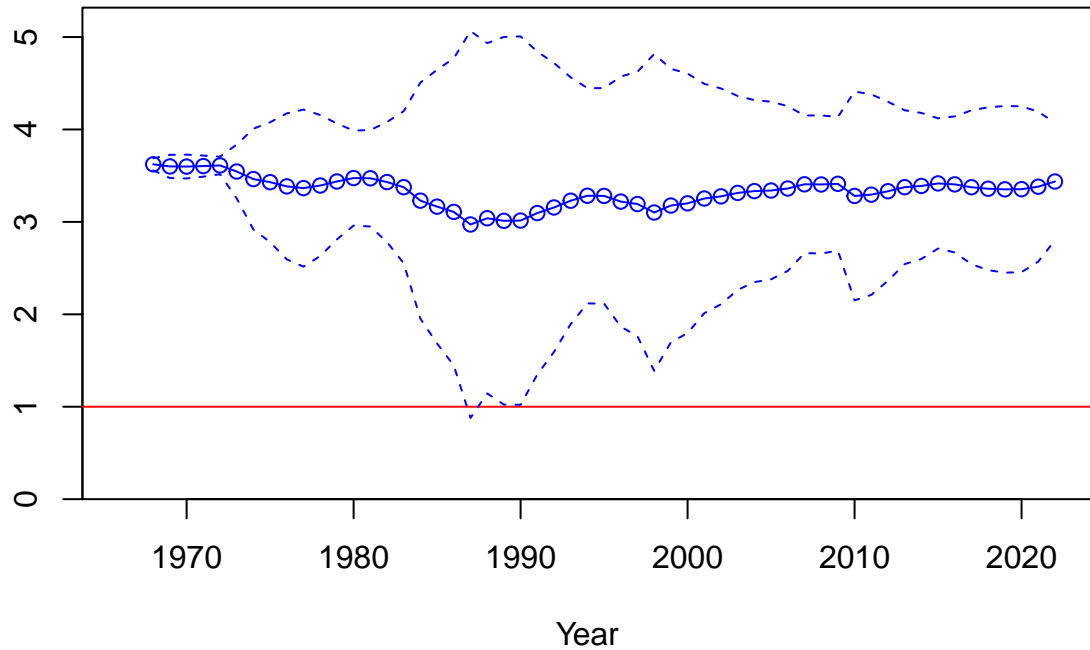


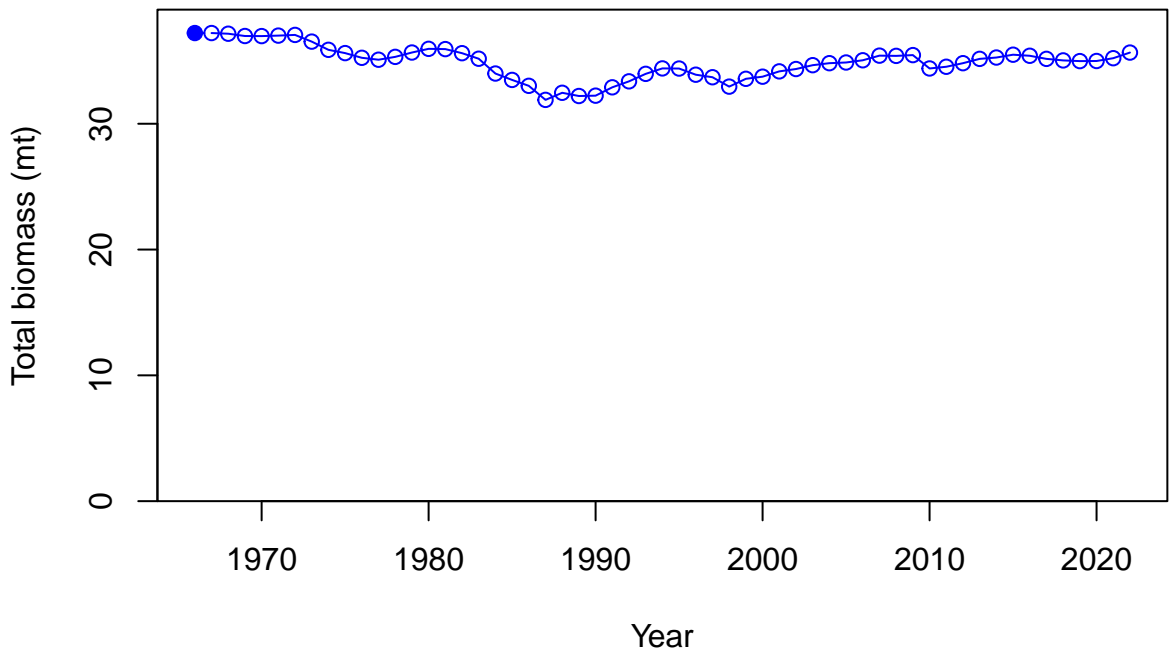


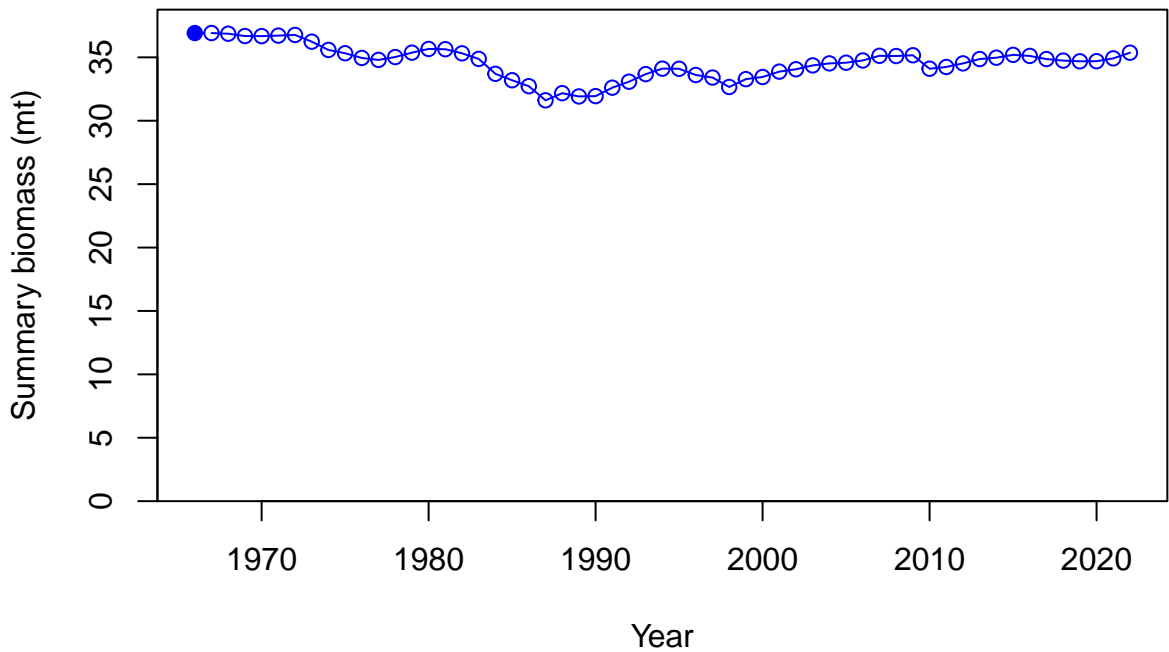
Relative spawning biomass:  $B/B_{MSY}$



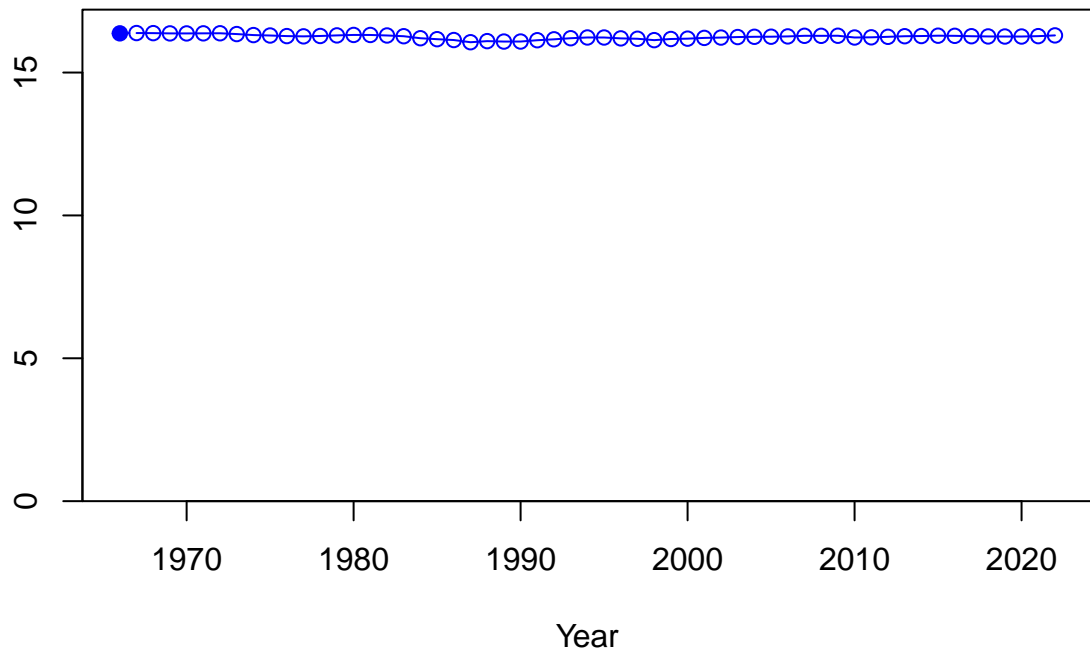
Relative spawning biomass:  $B/B_{MSY}$





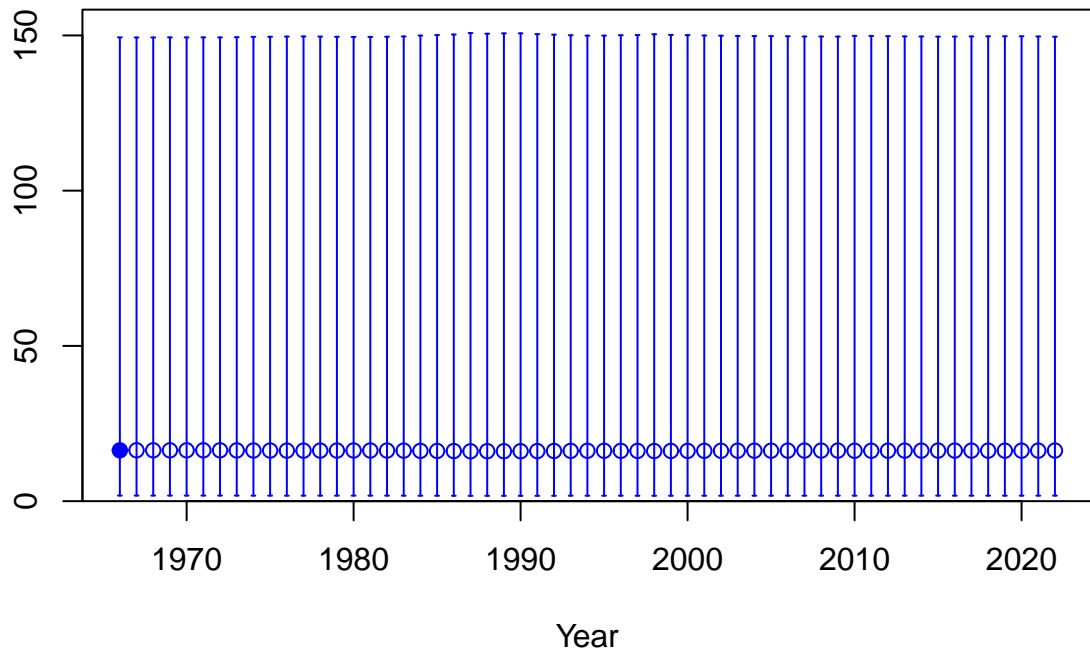


Age-0 recruits (1,000s)

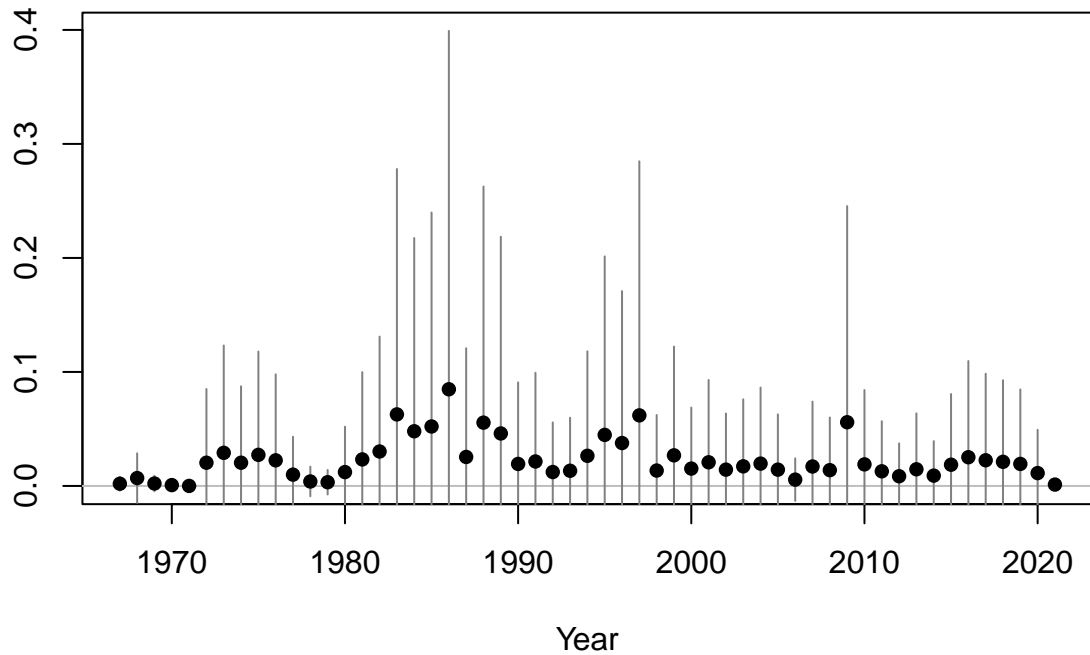


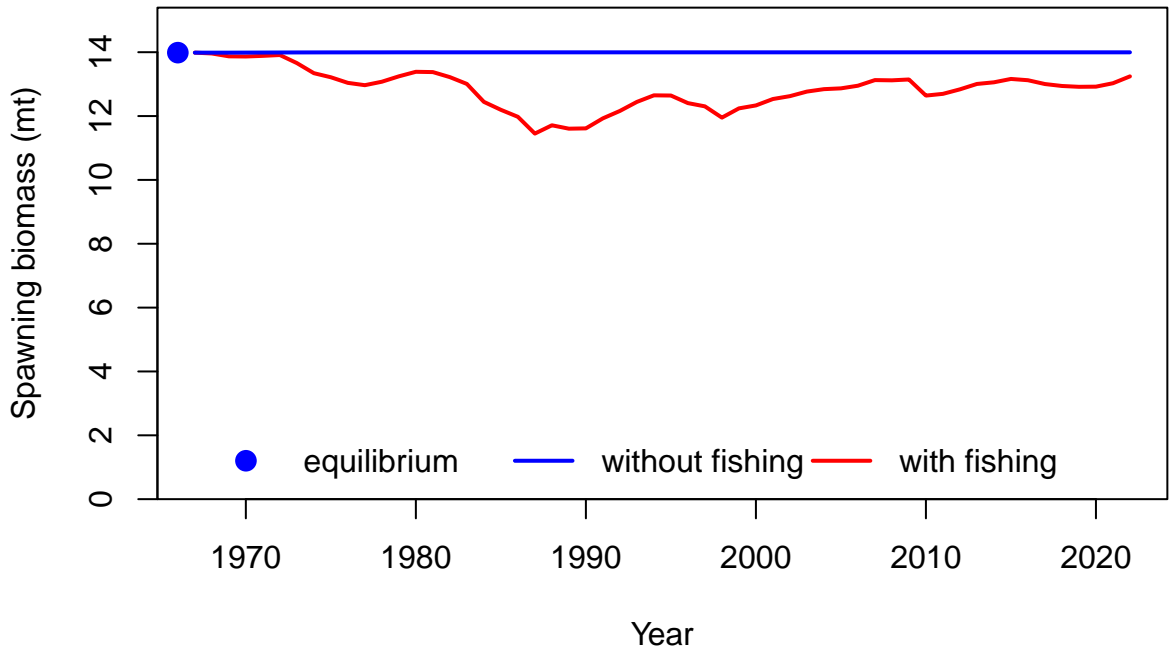


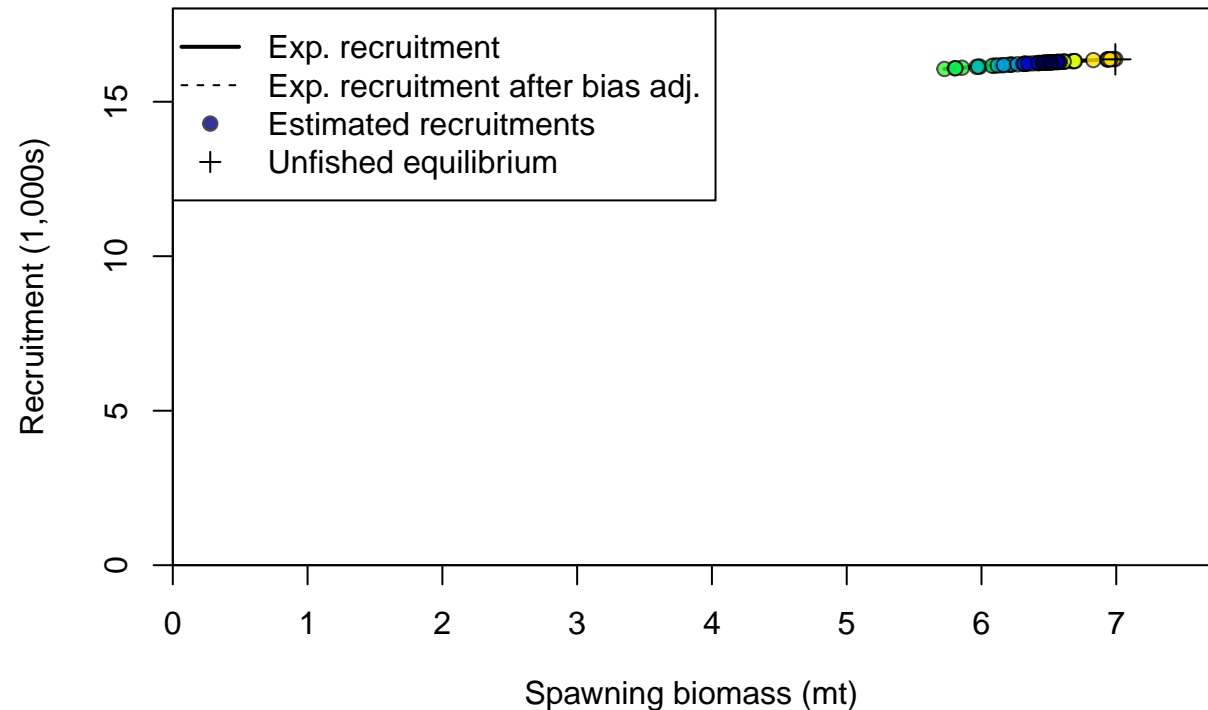
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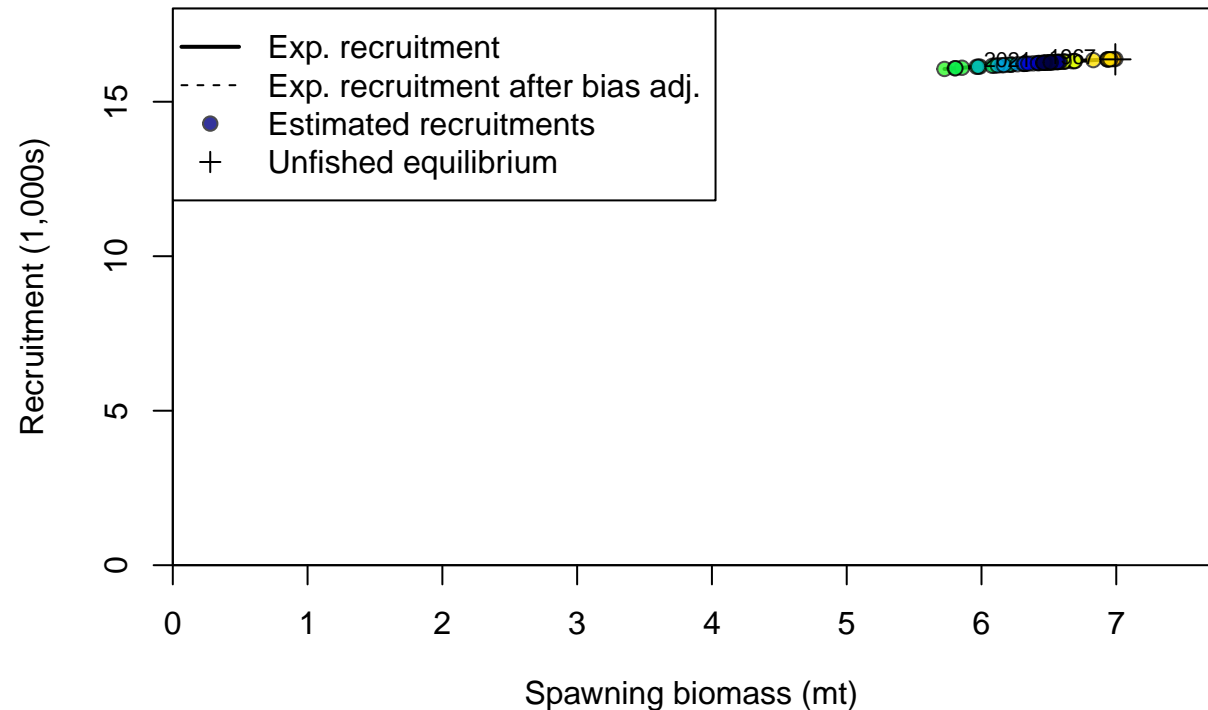


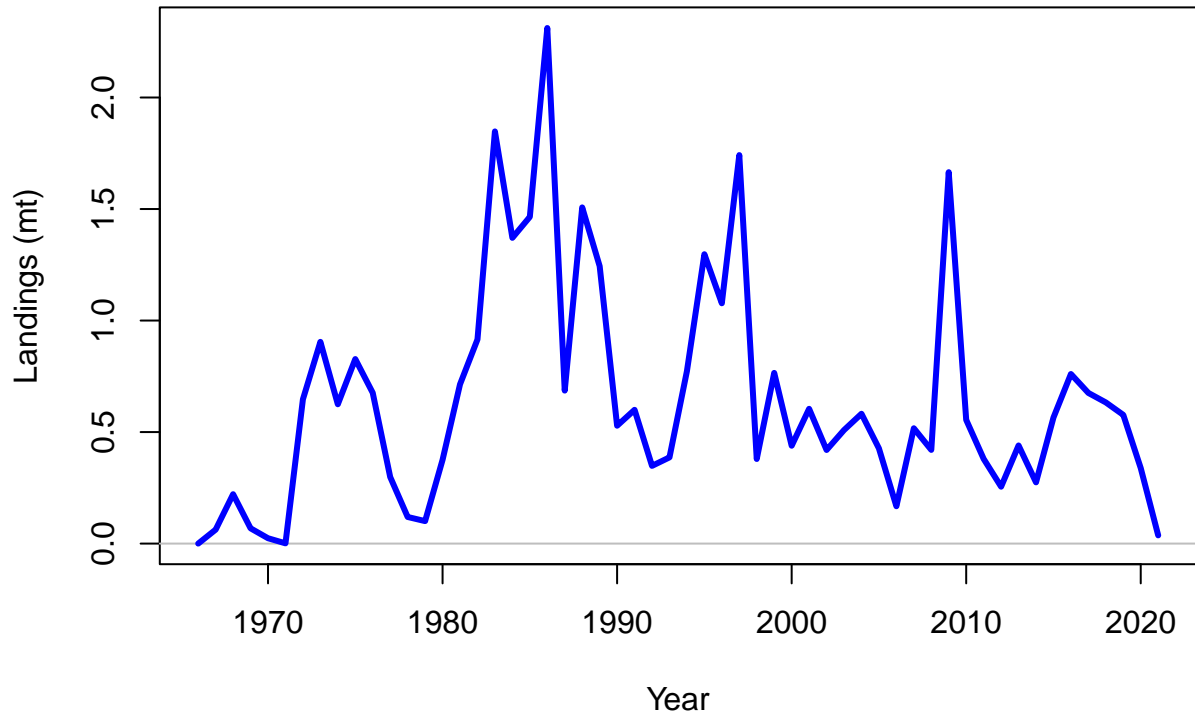
Summary Fishing Mortality

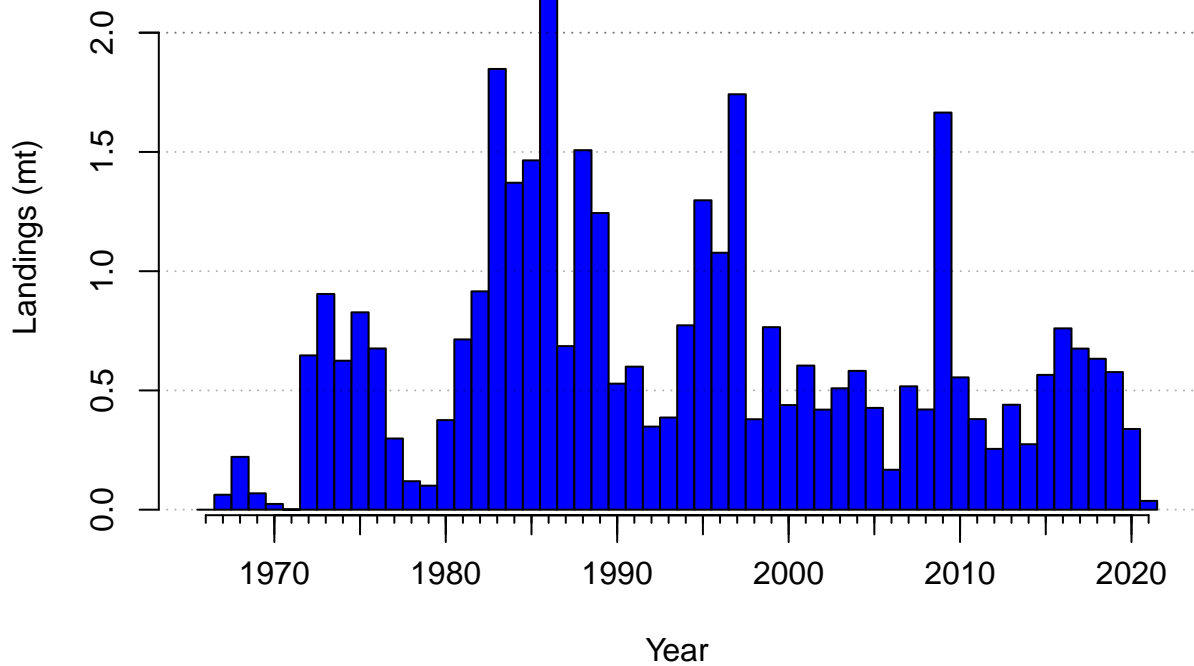


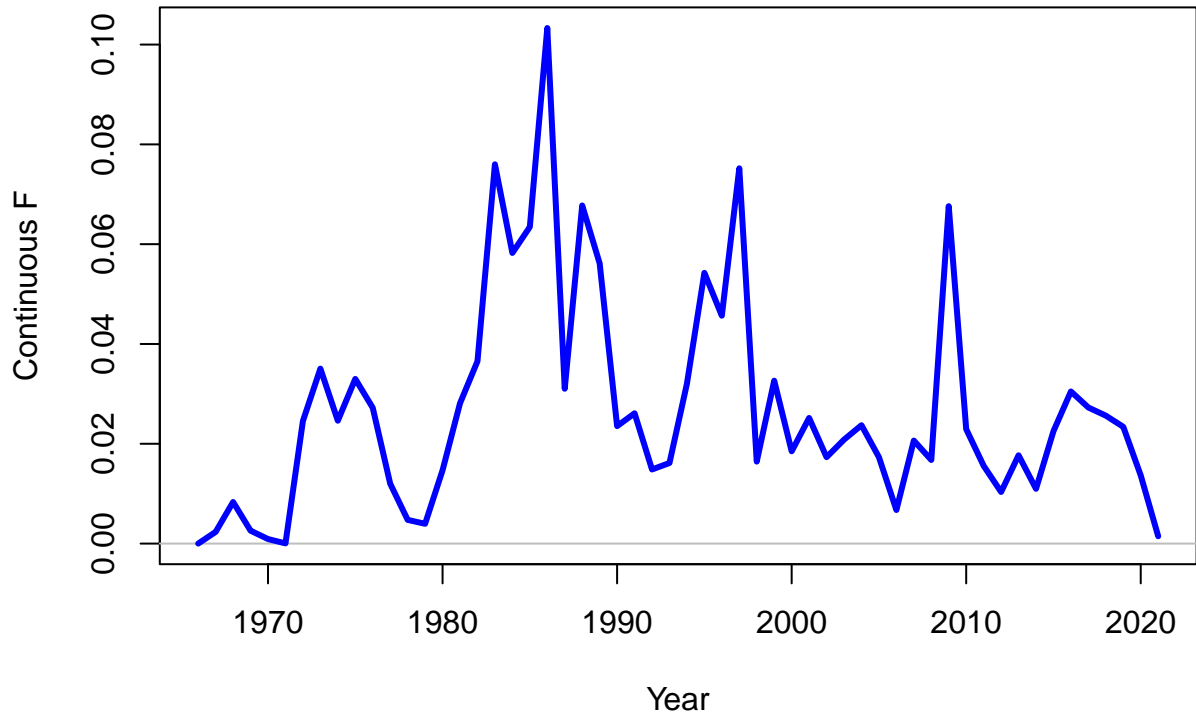






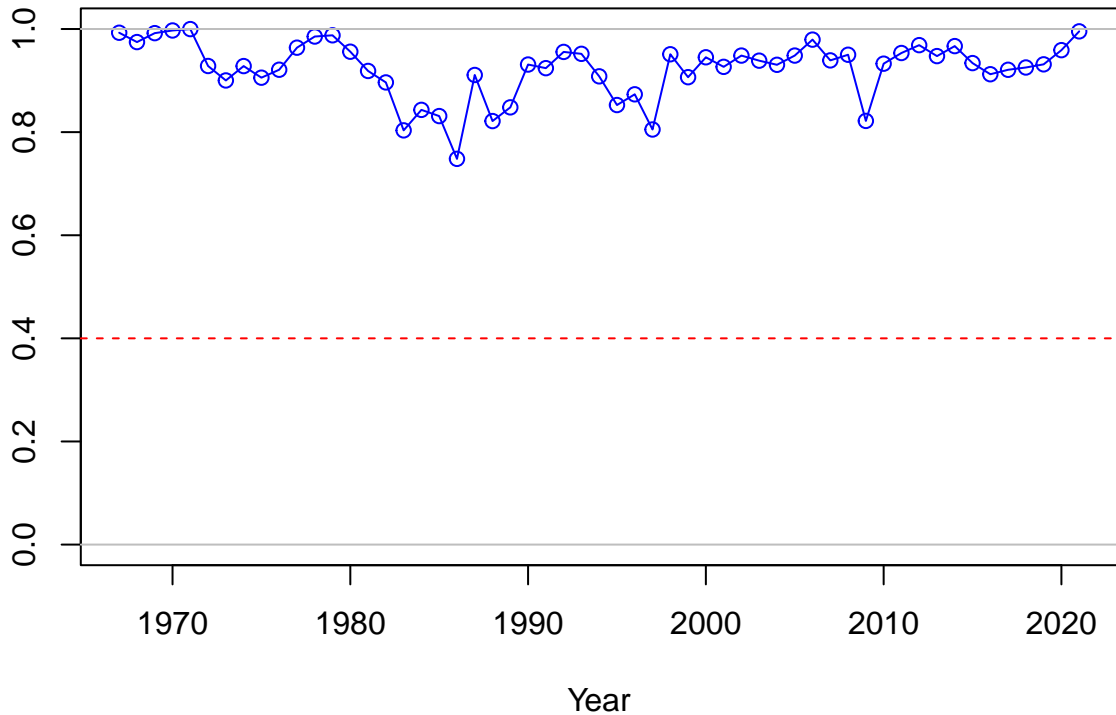




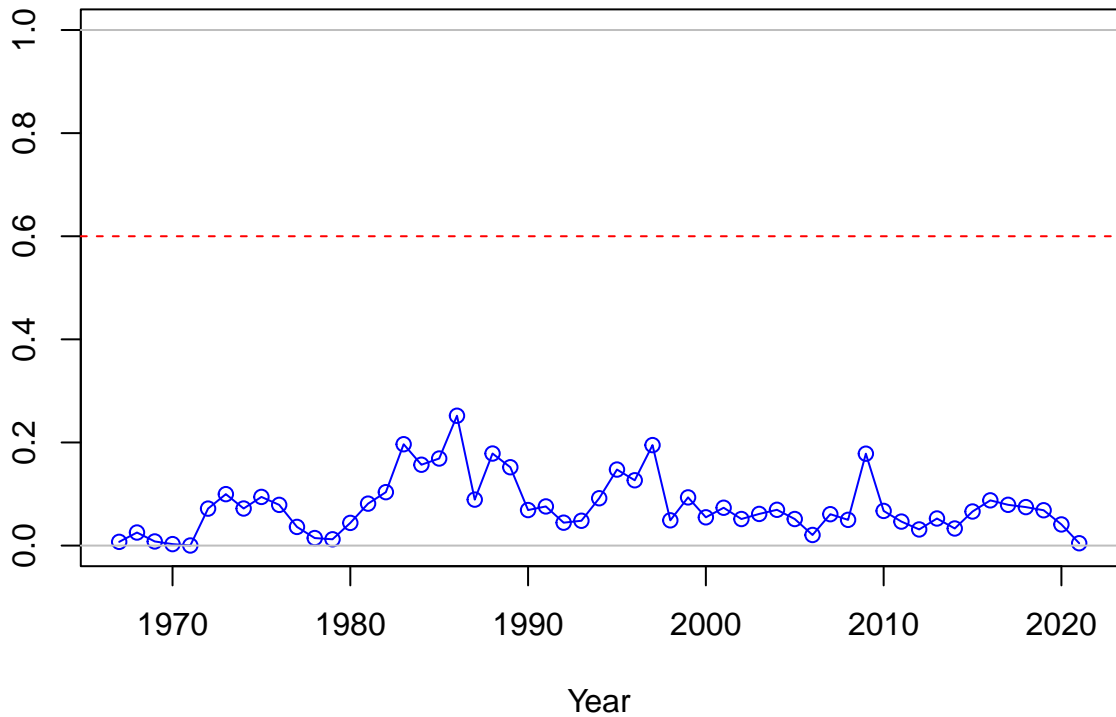




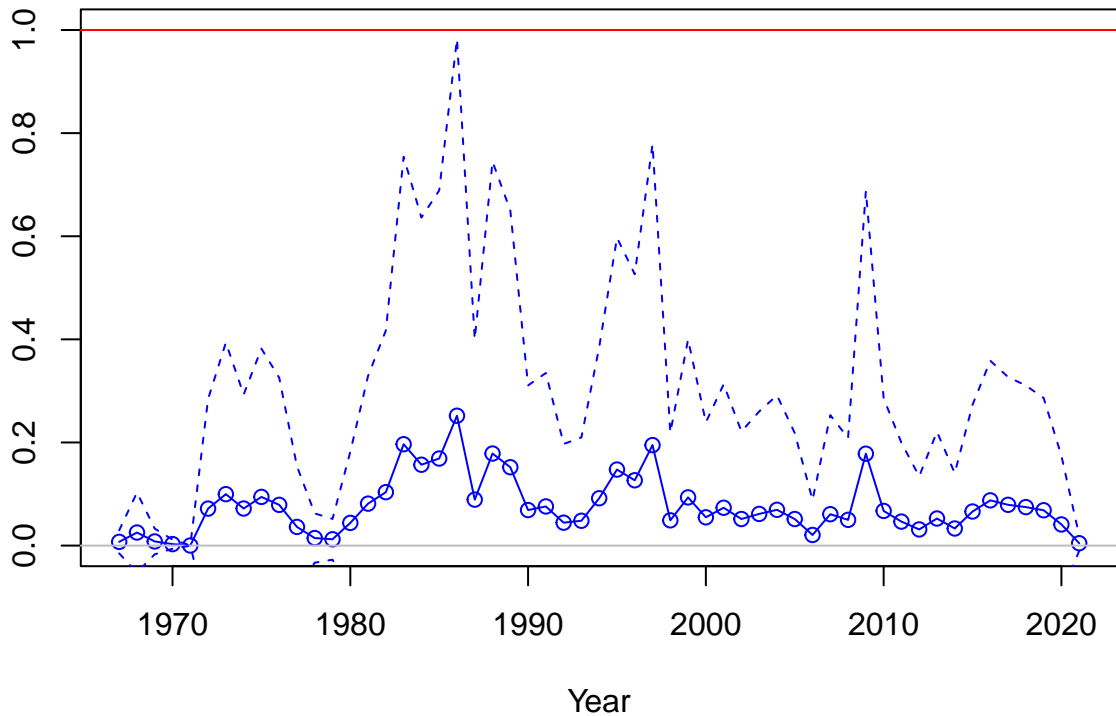
SPR



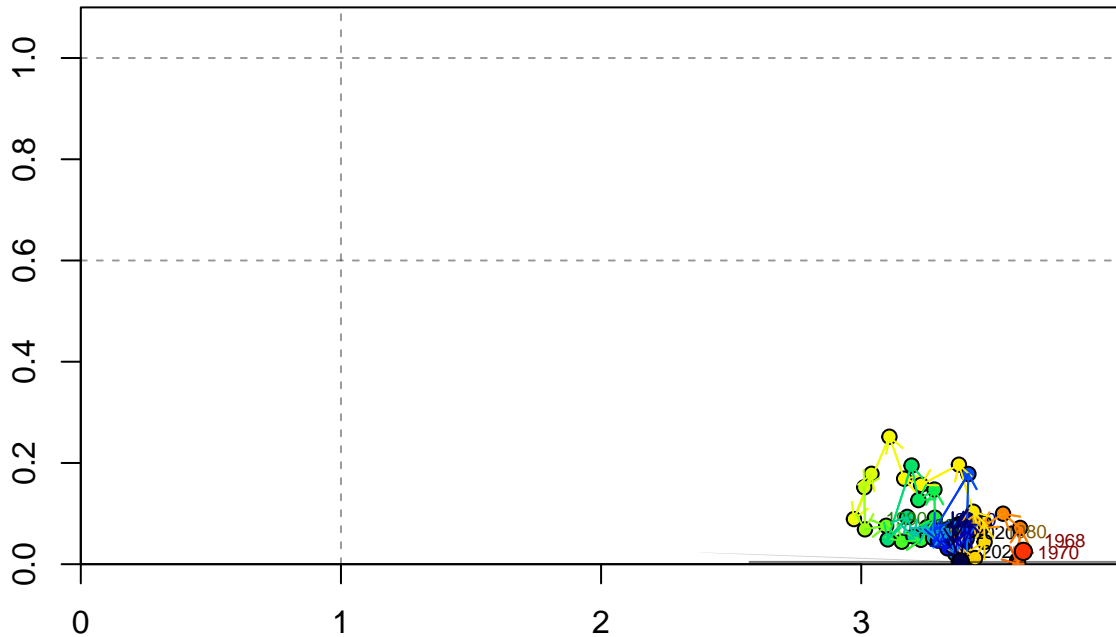
1-SPR



Fishing intensity: 1-SPR

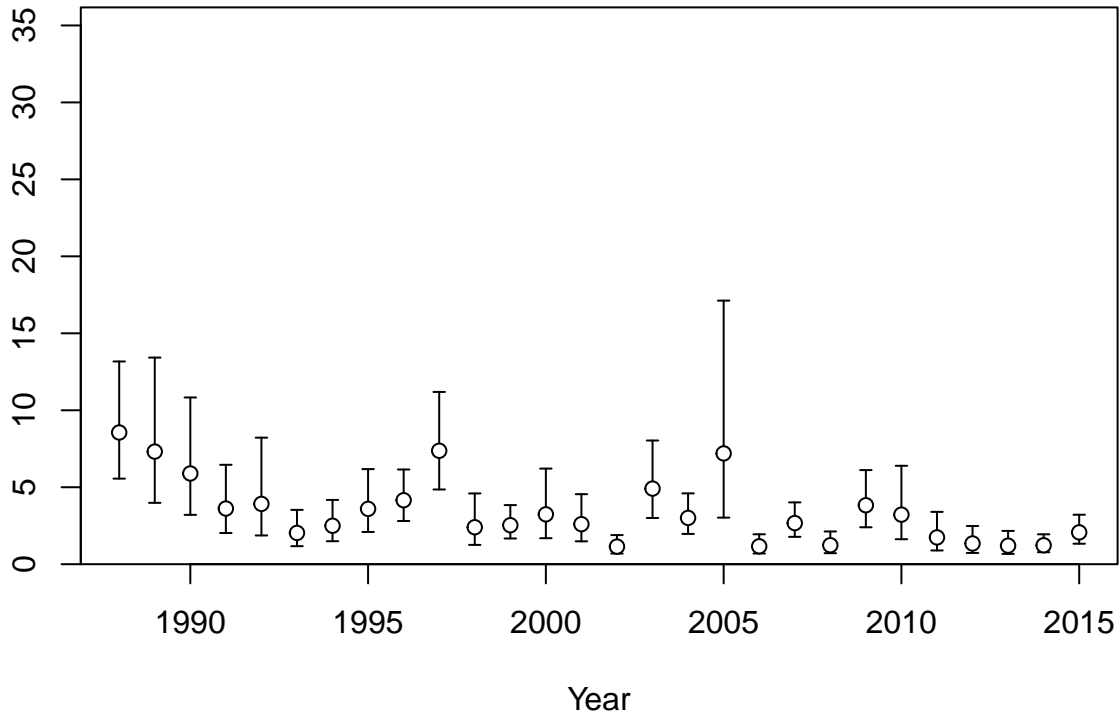


Fishing intensity: 1-SPR

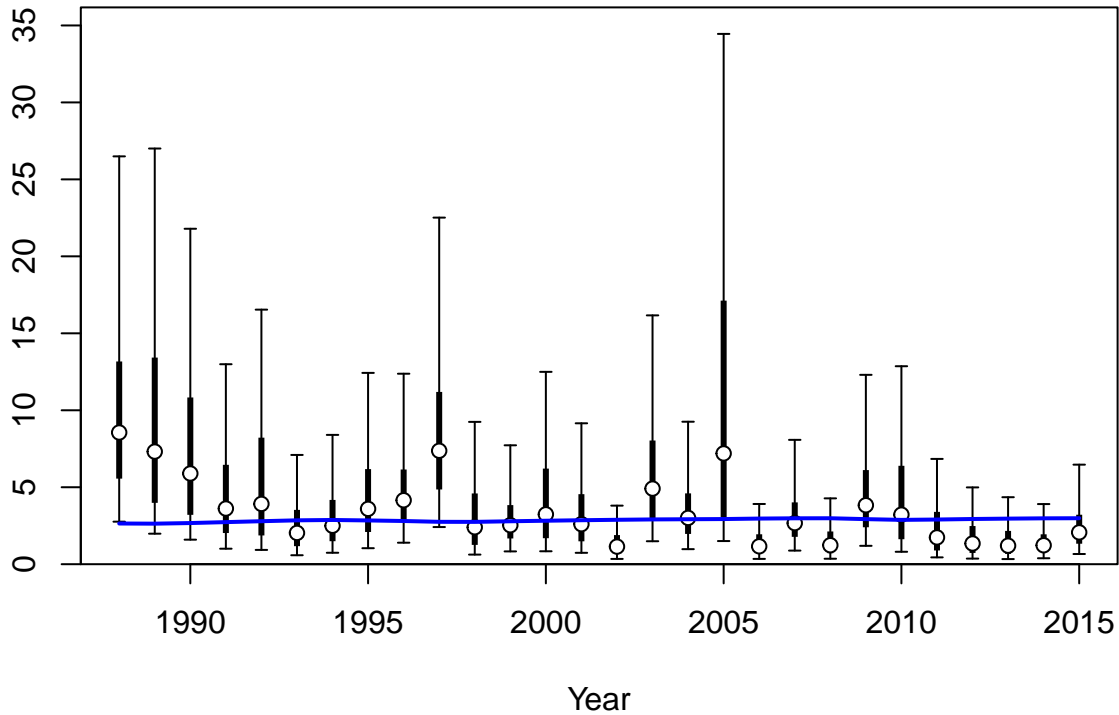


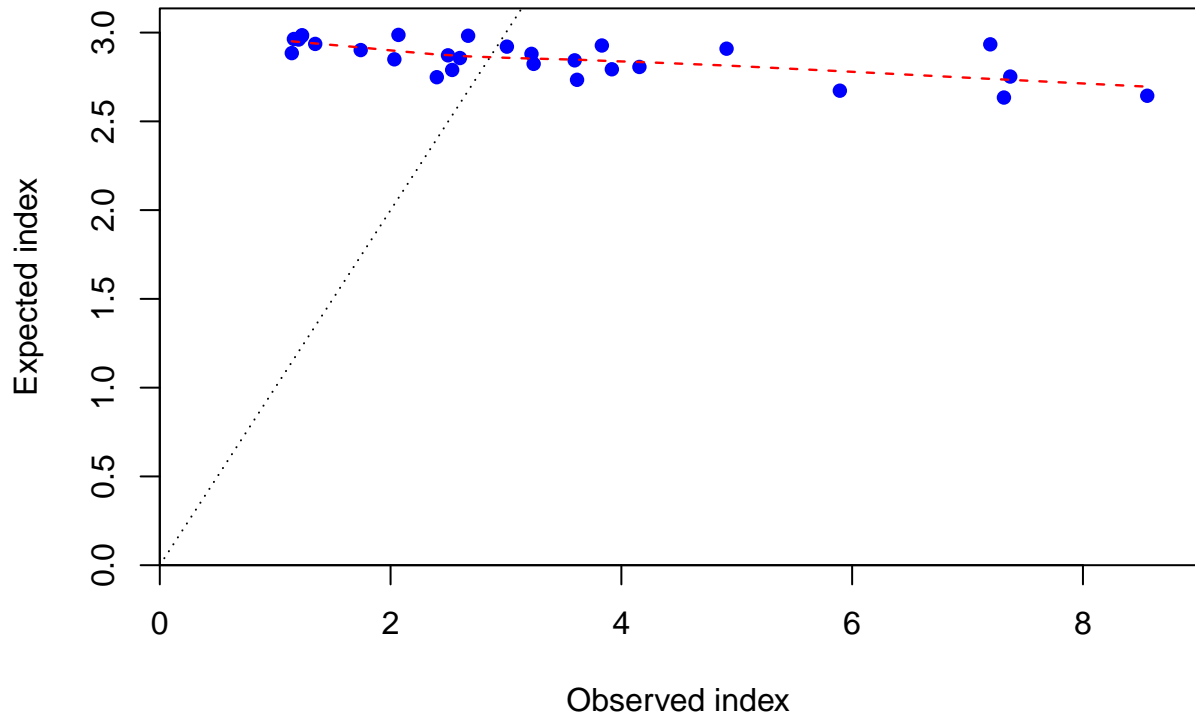
Relative spawning output:  $B/B_{MSY}$

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-1

1990

1995

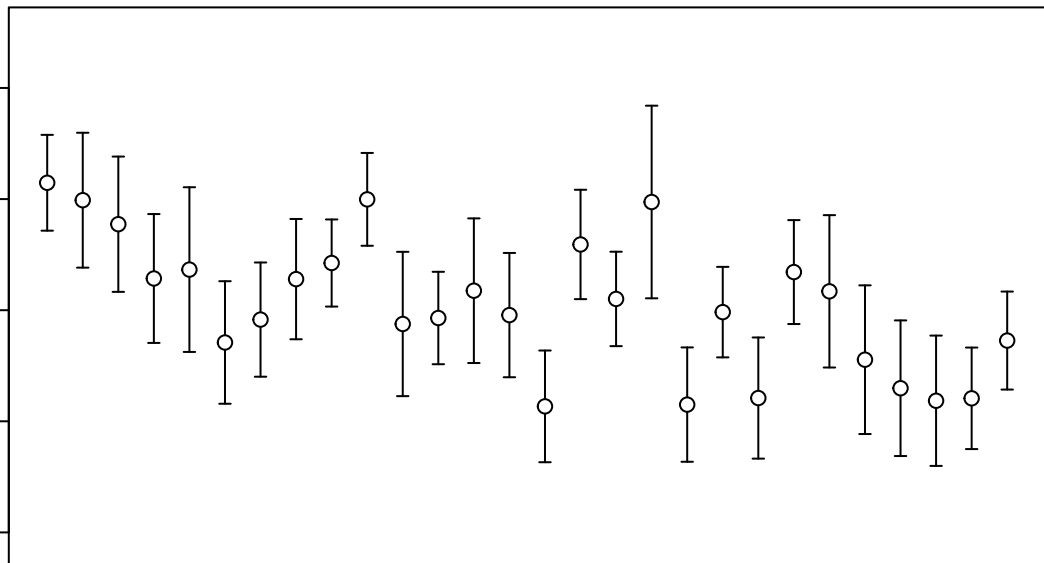
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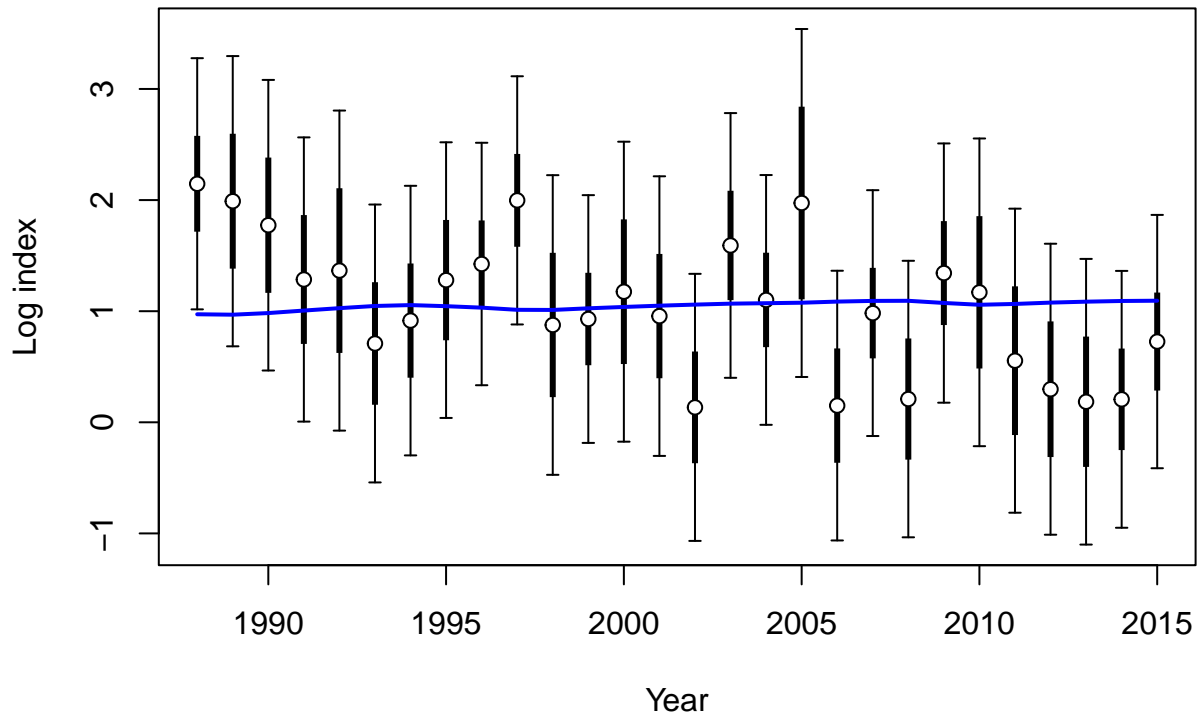
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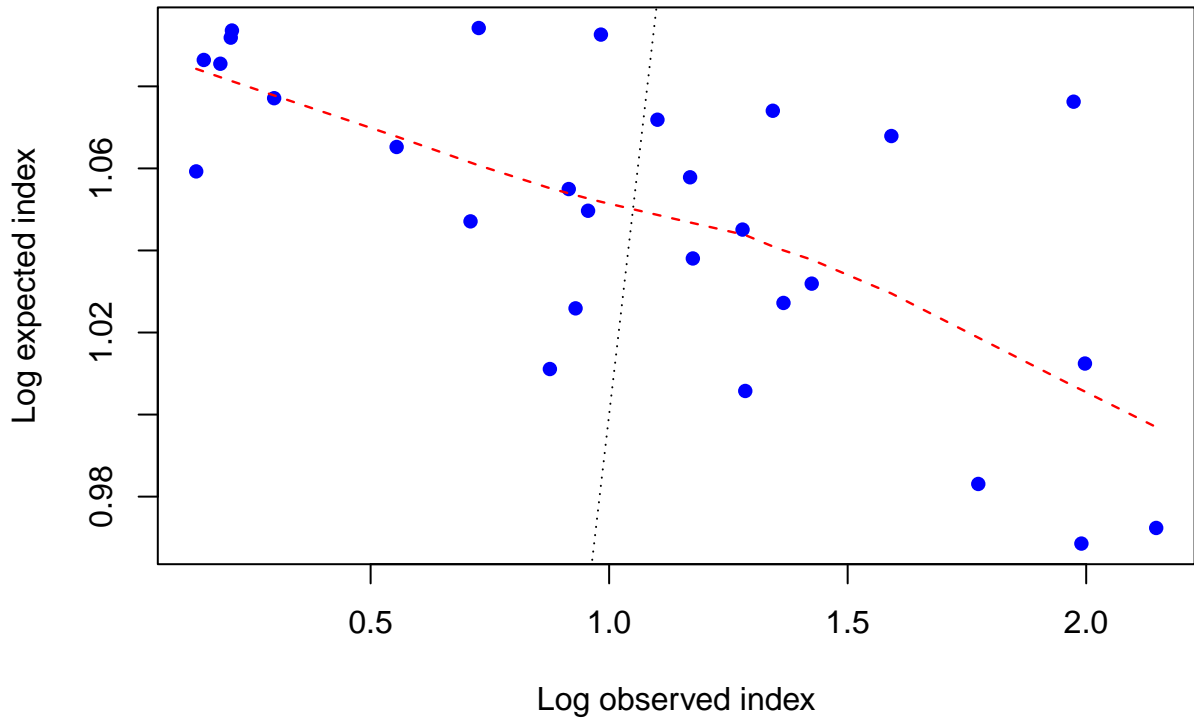
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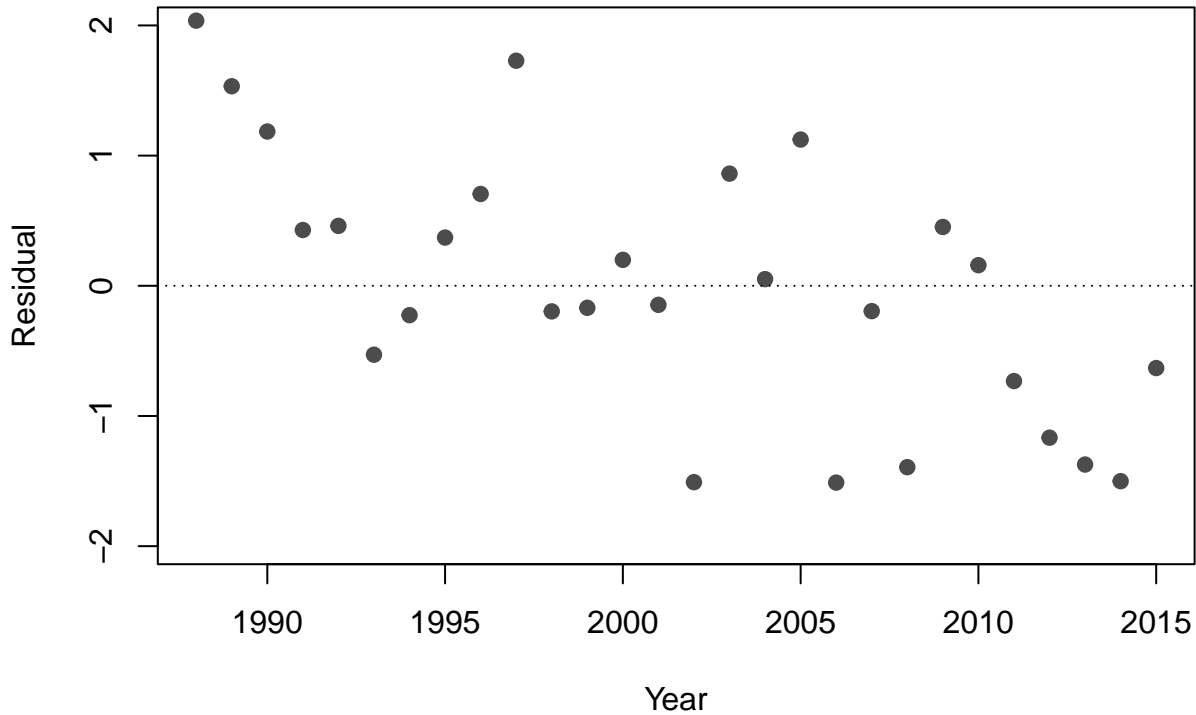
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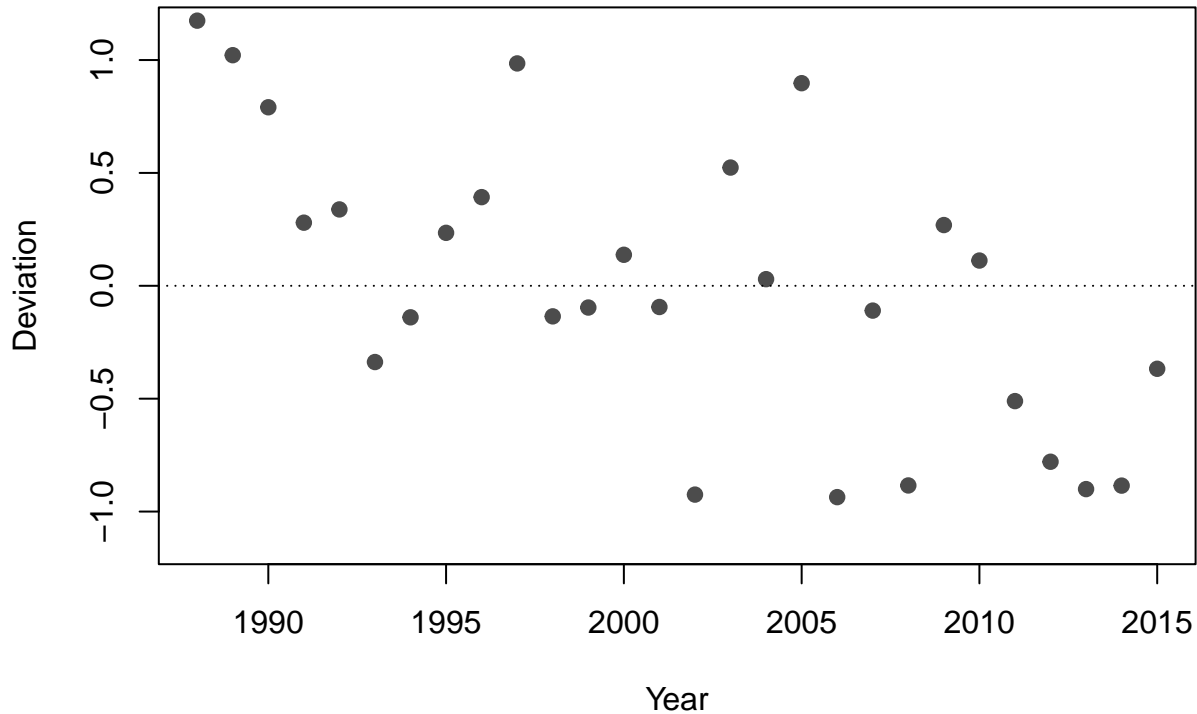












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3  
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1  
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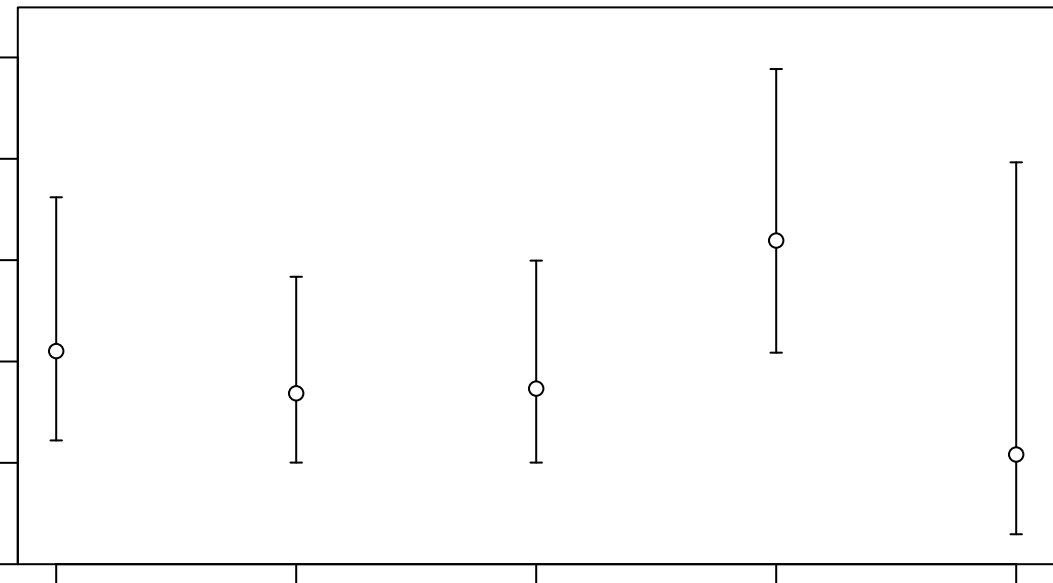
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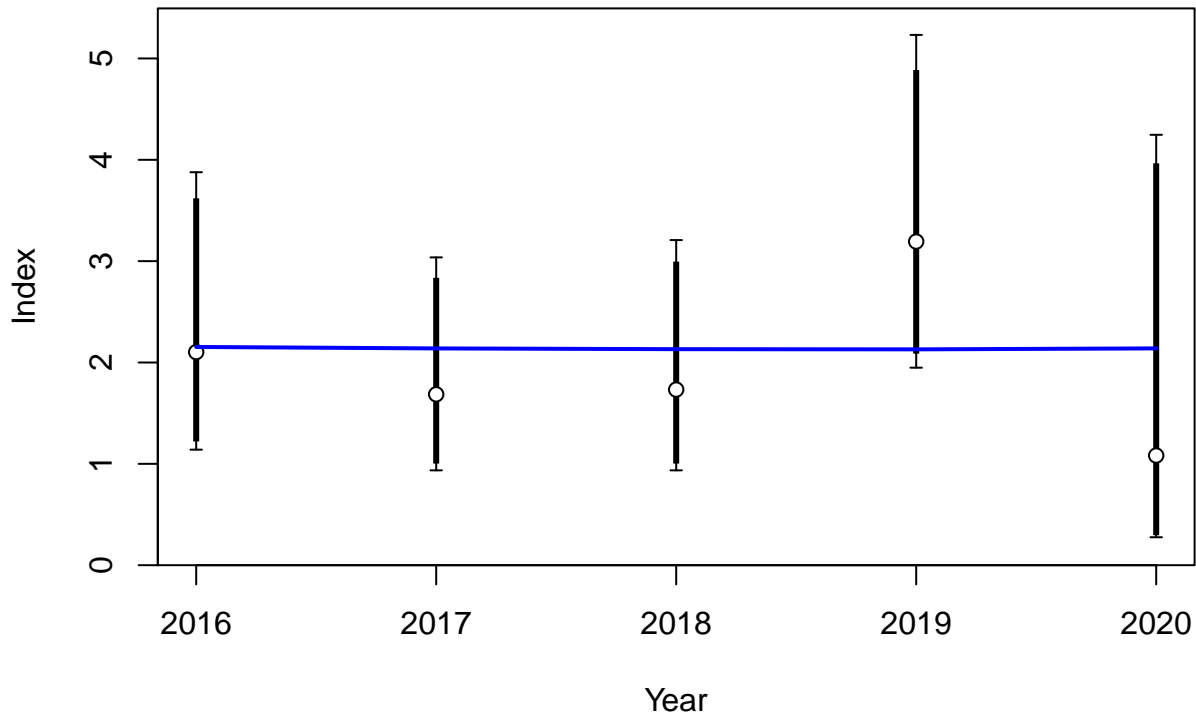
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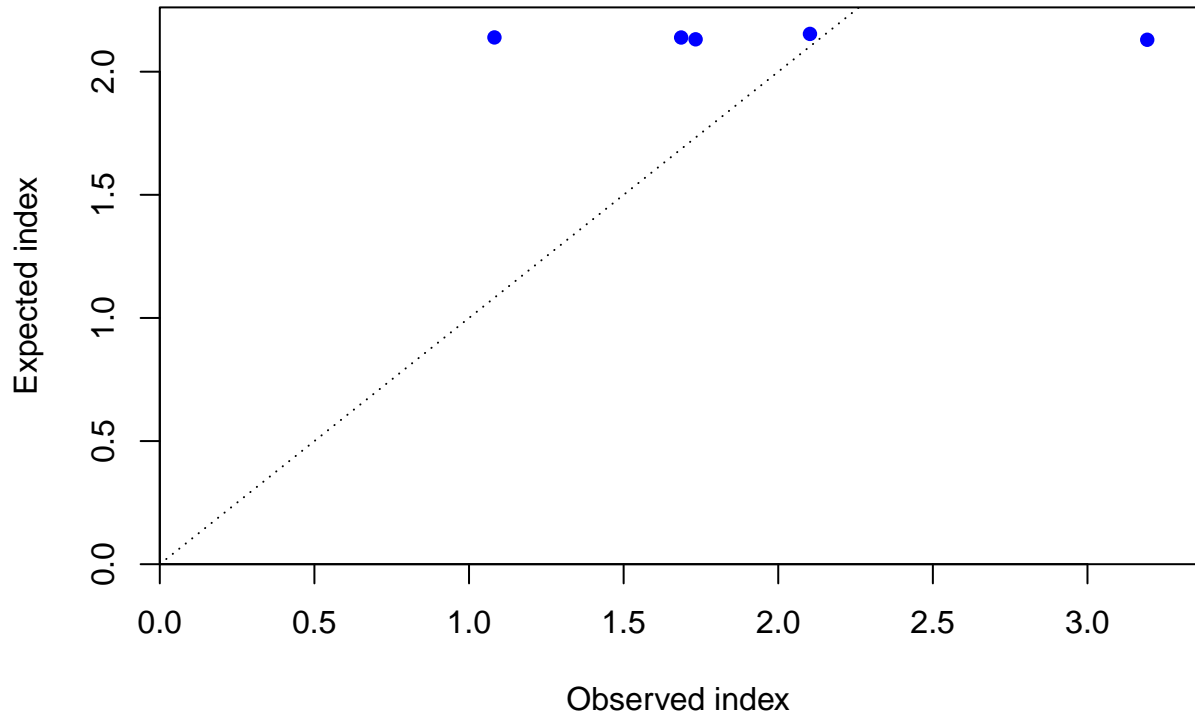
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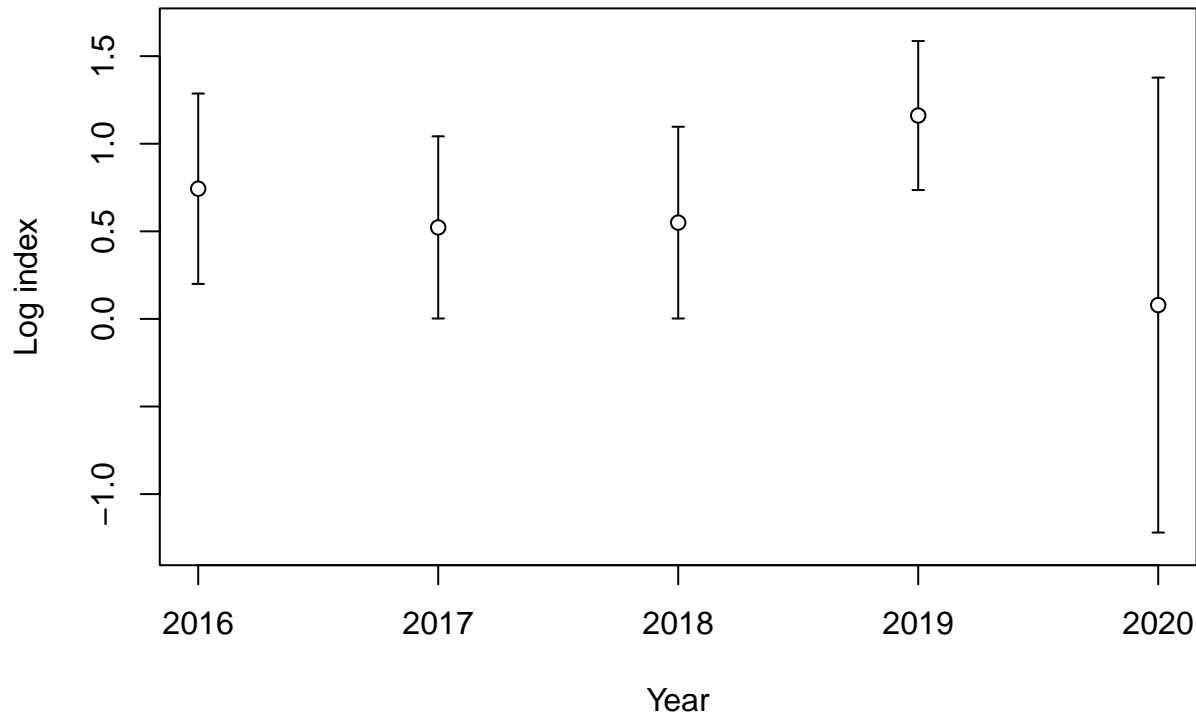
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Year

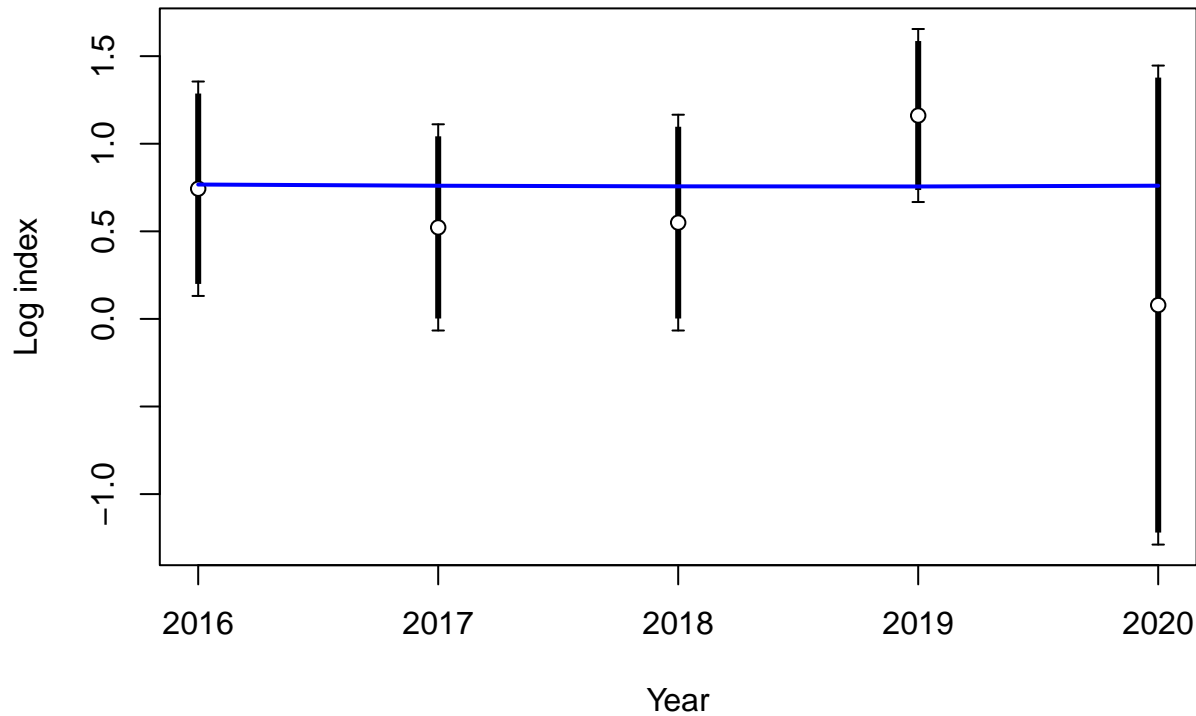


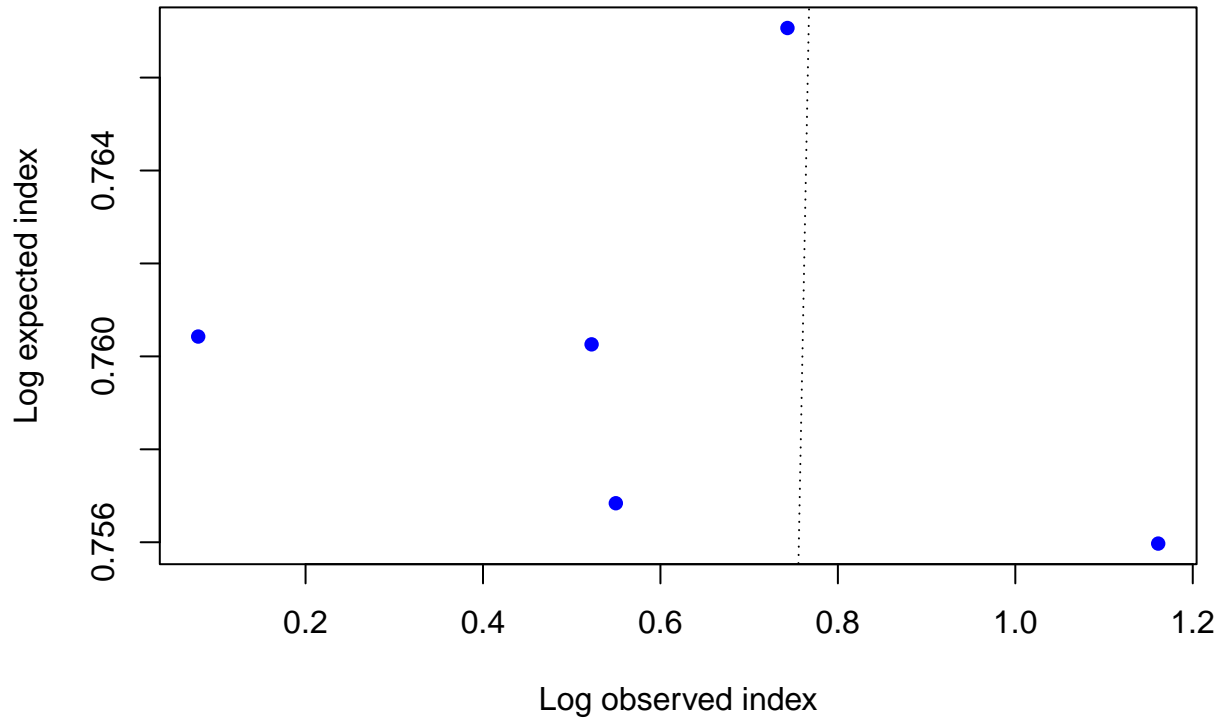




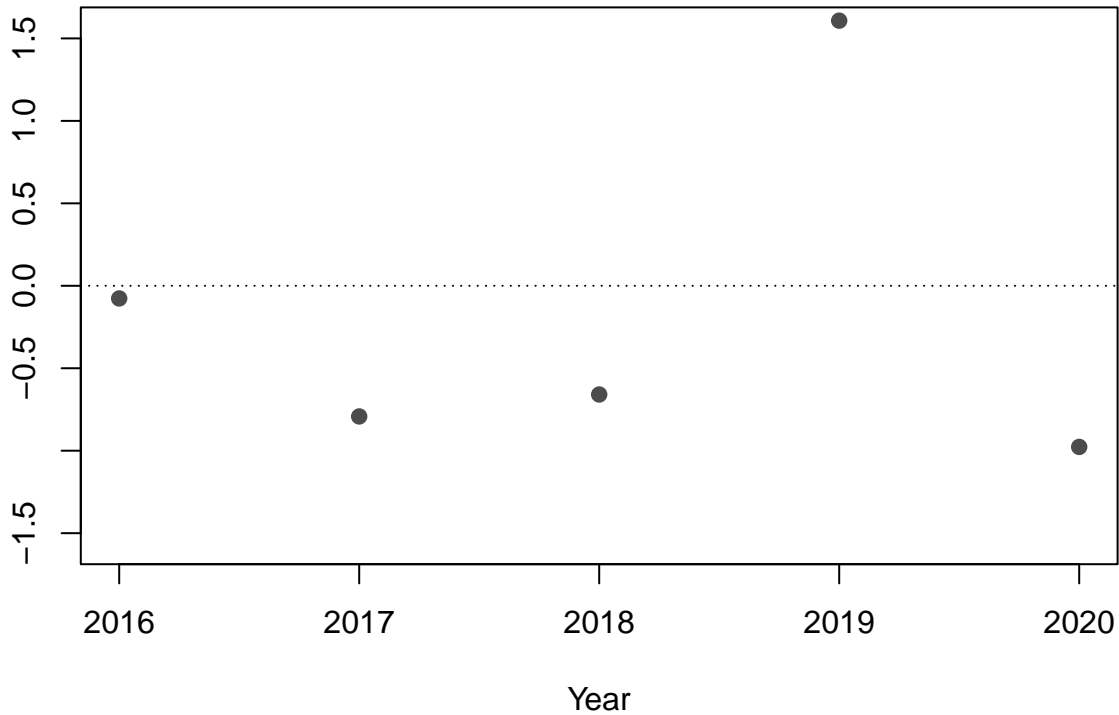


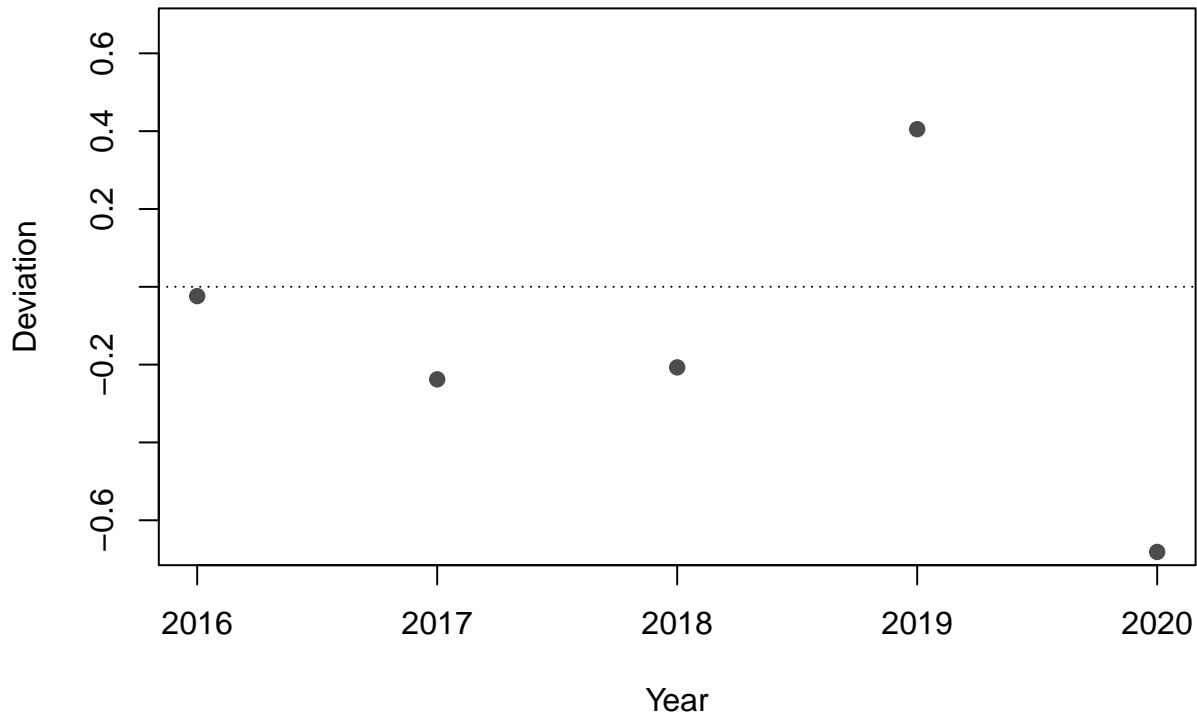


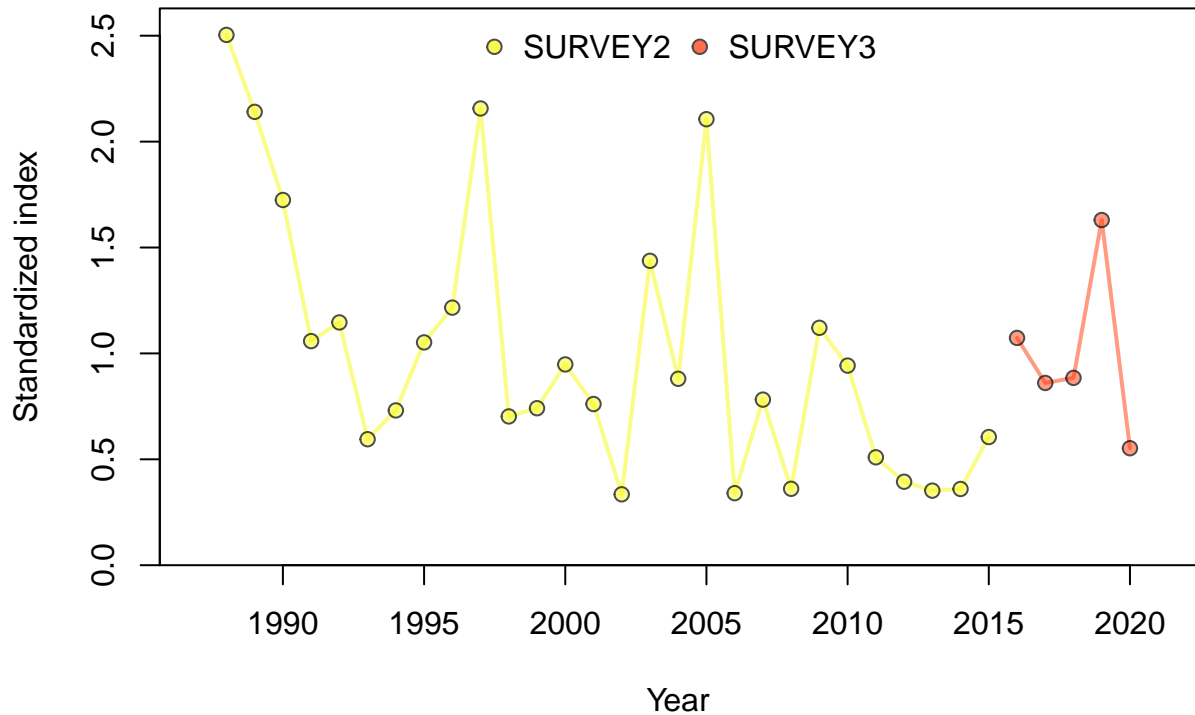




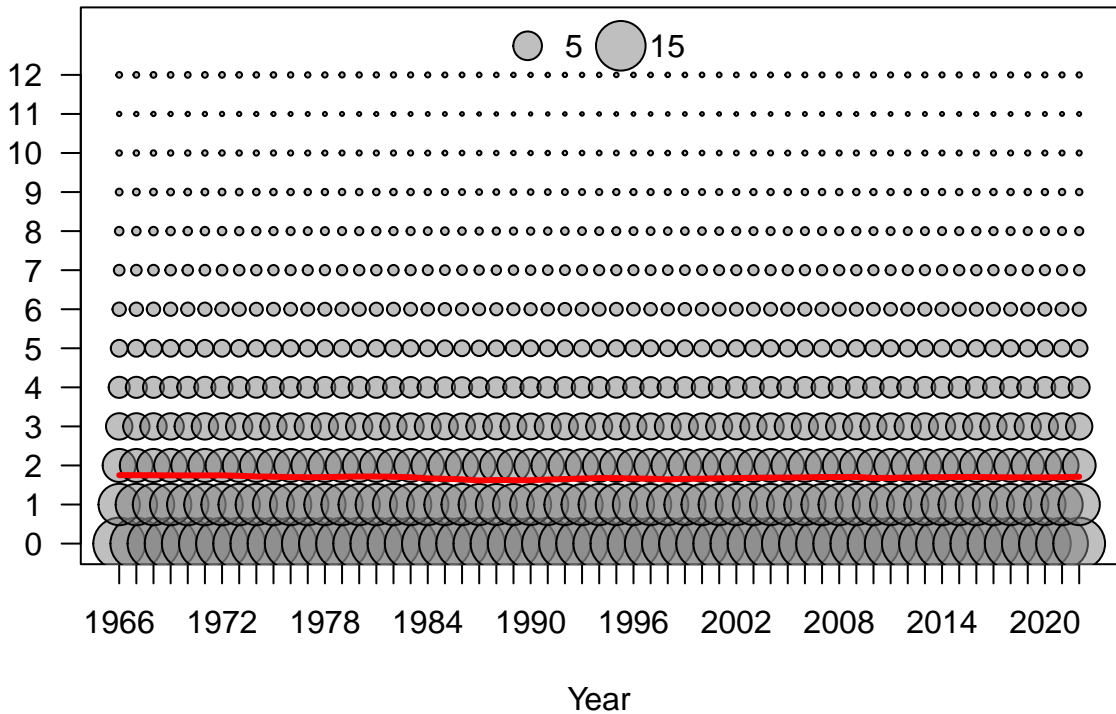
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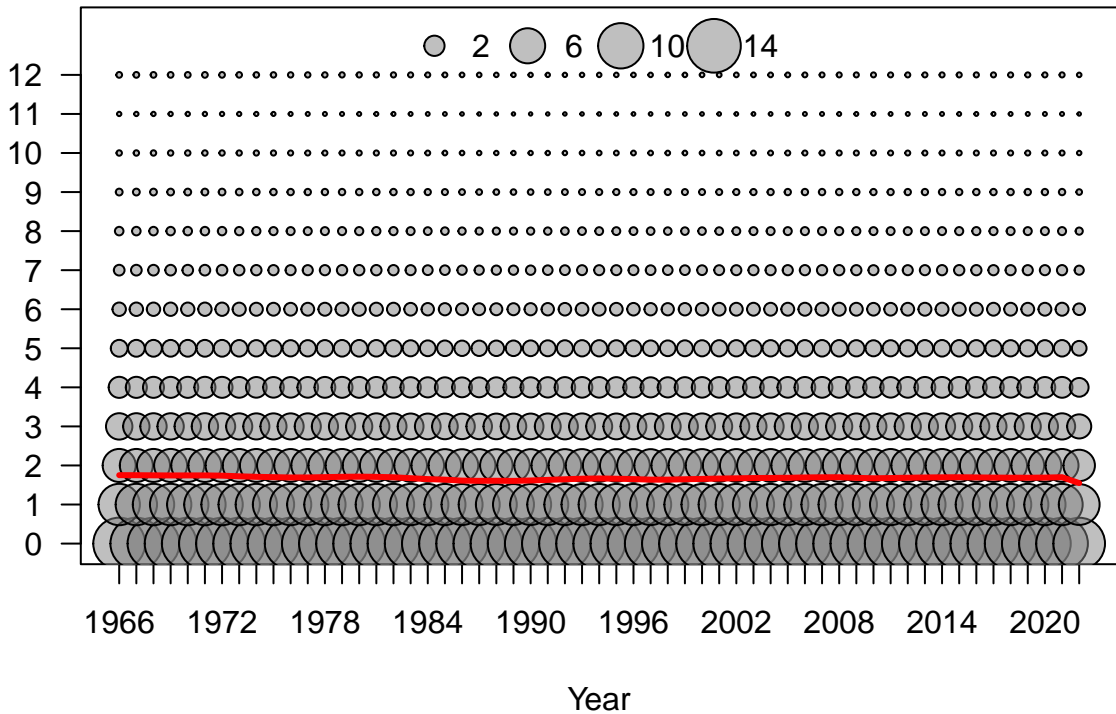


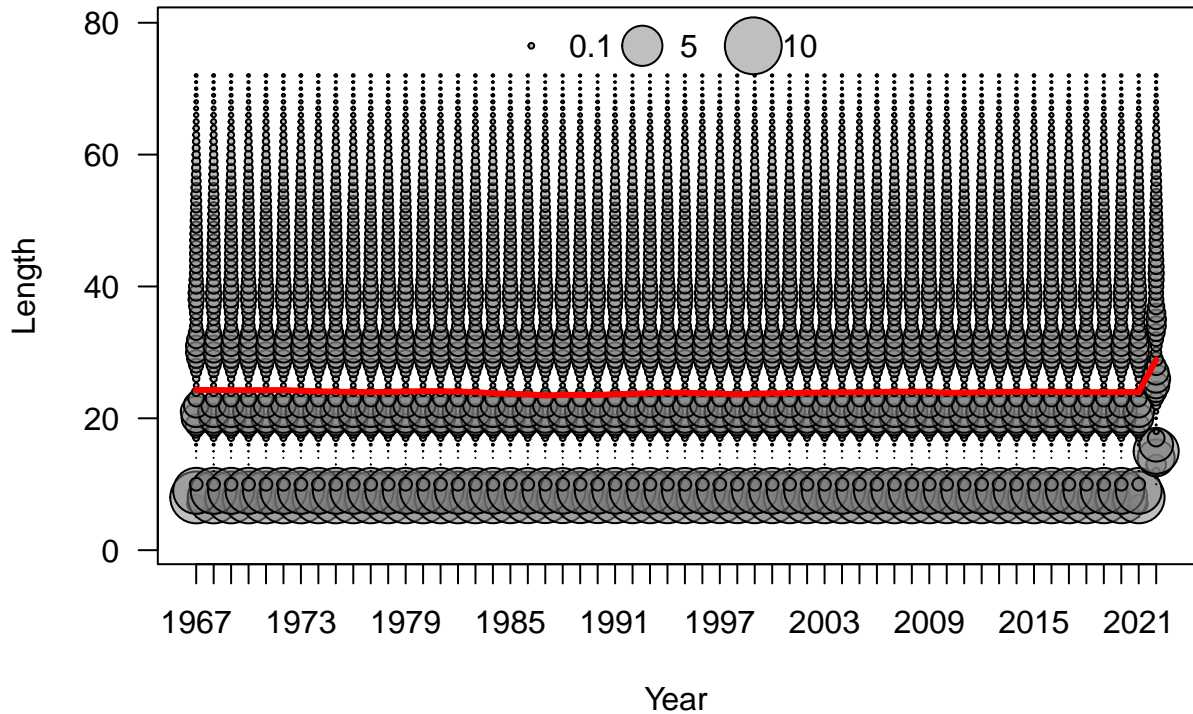


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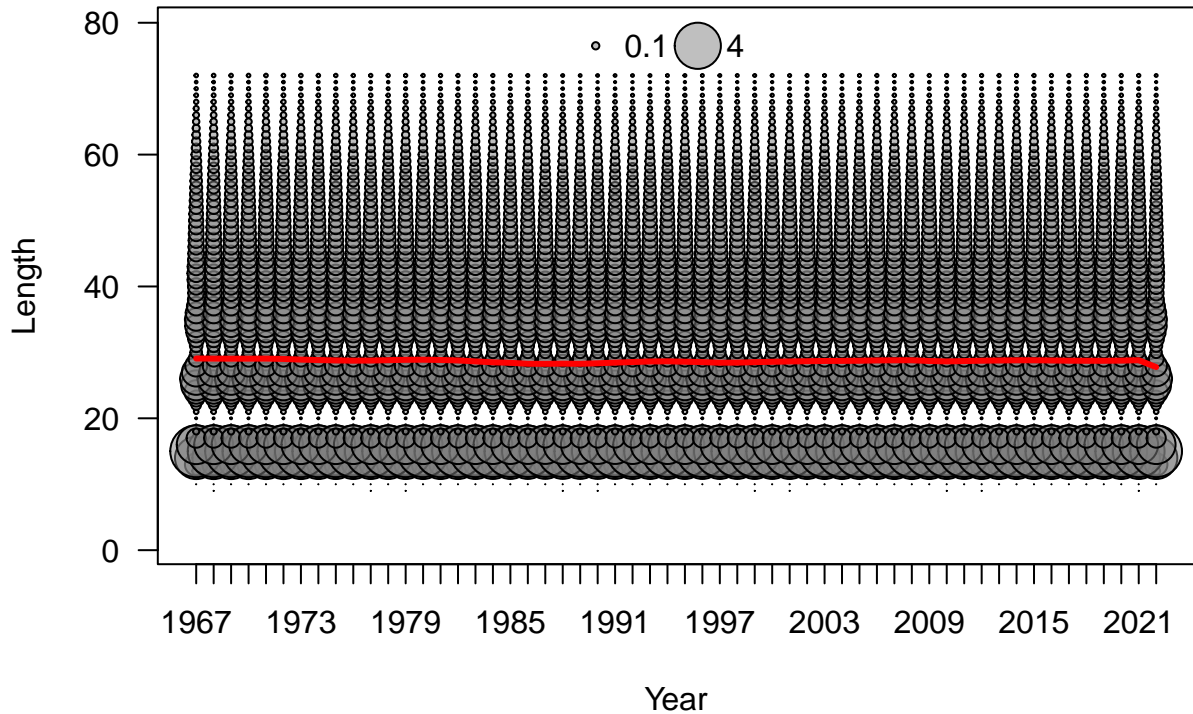


Age

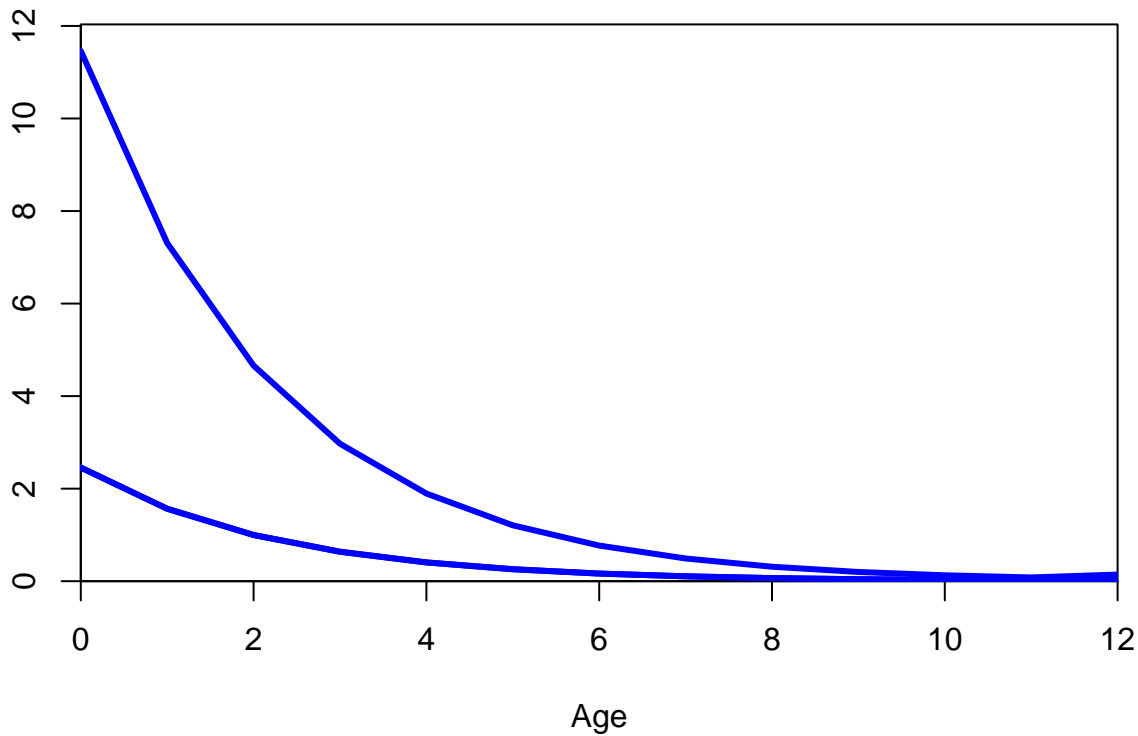


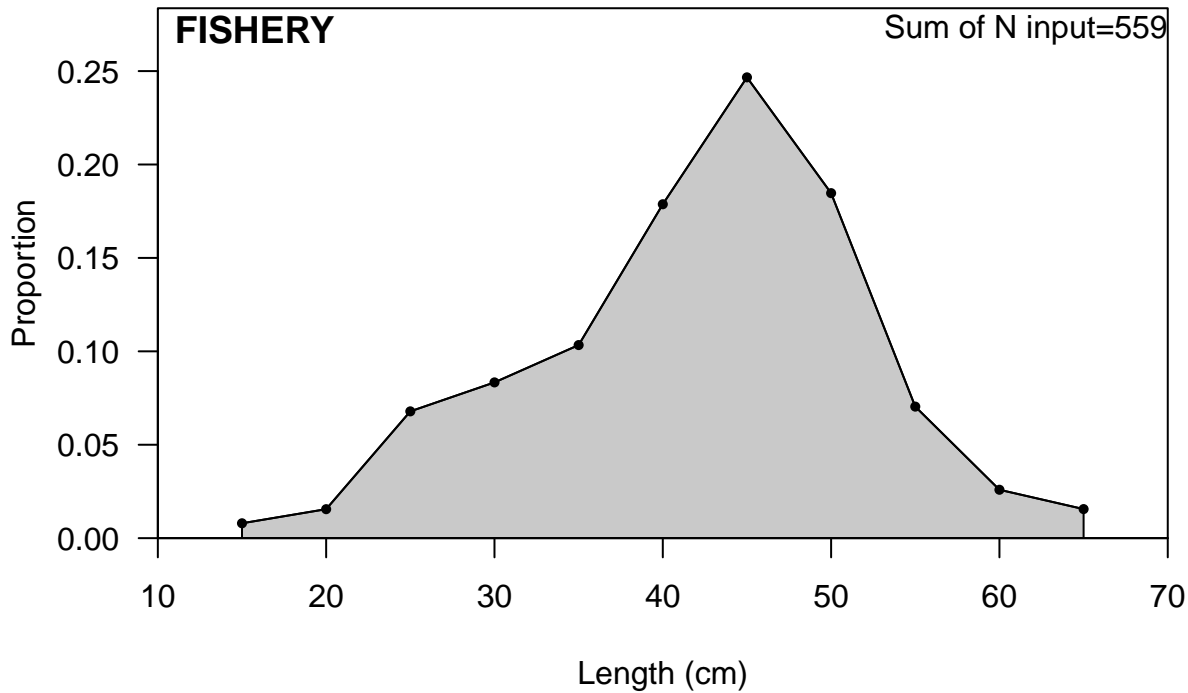






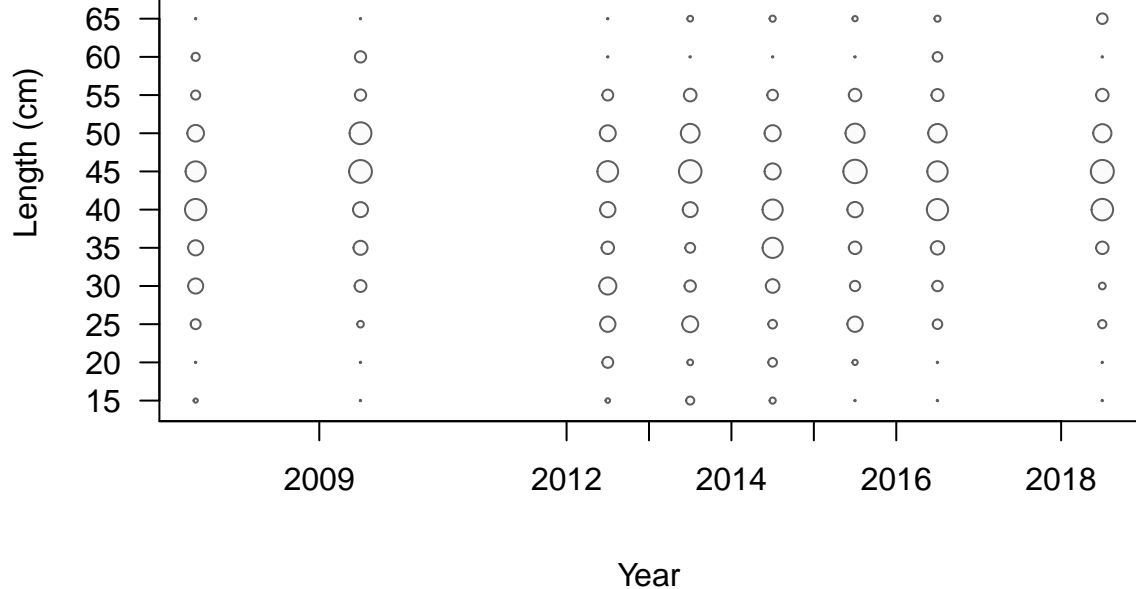
Numbers at age at equilibrium



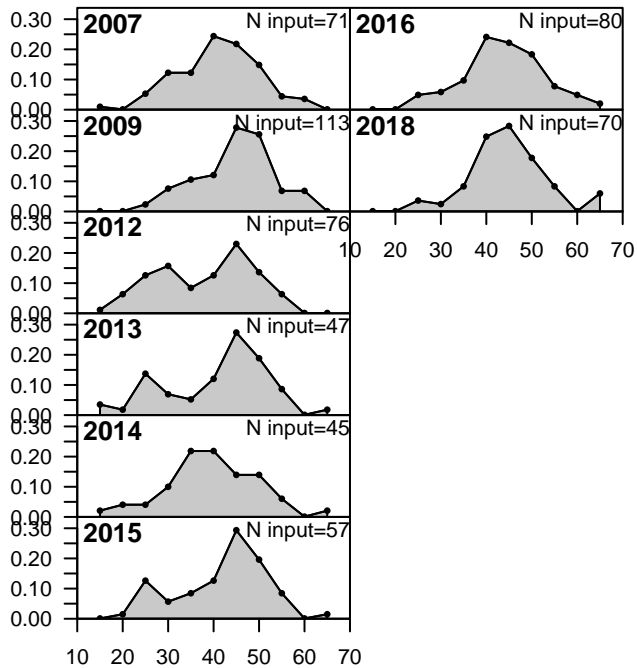


# FISHERY

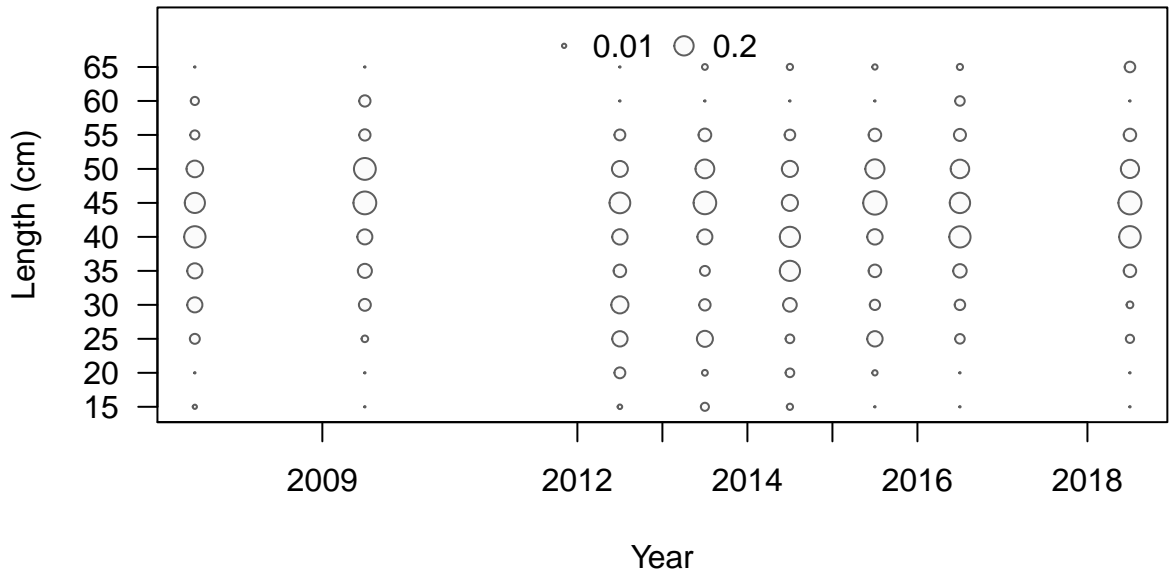
◦ 0.01 ○ 0.2



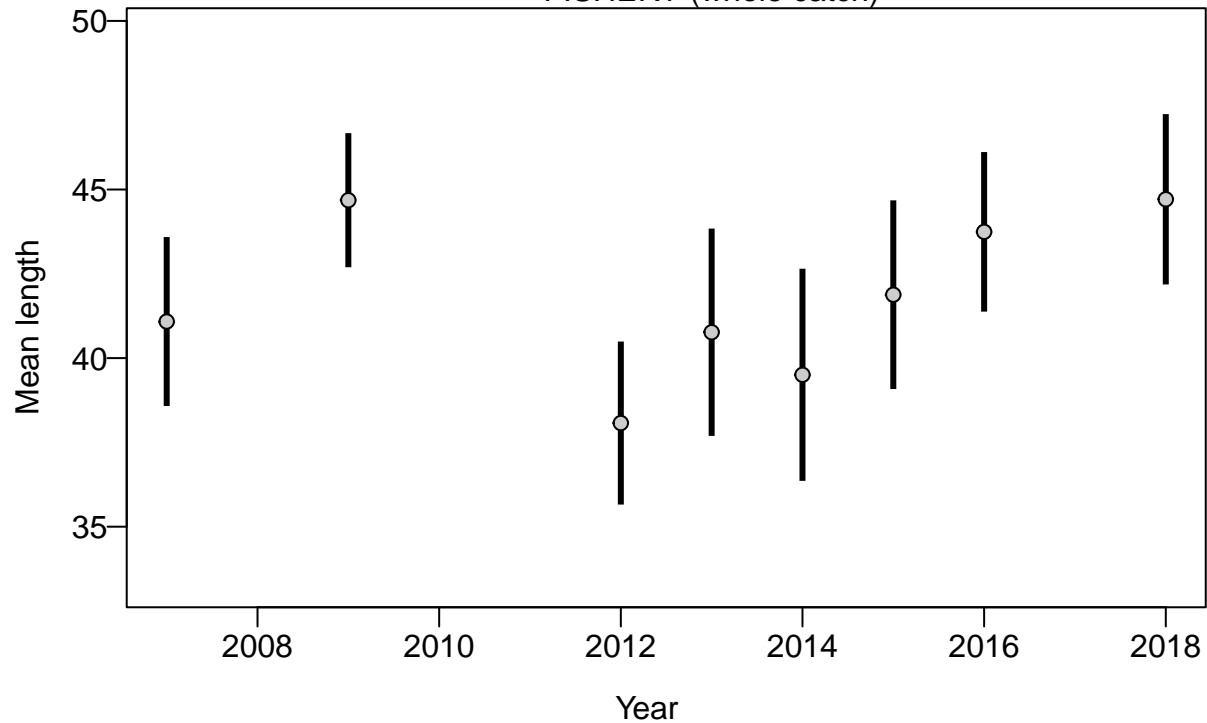
Proportion



Length (cm)

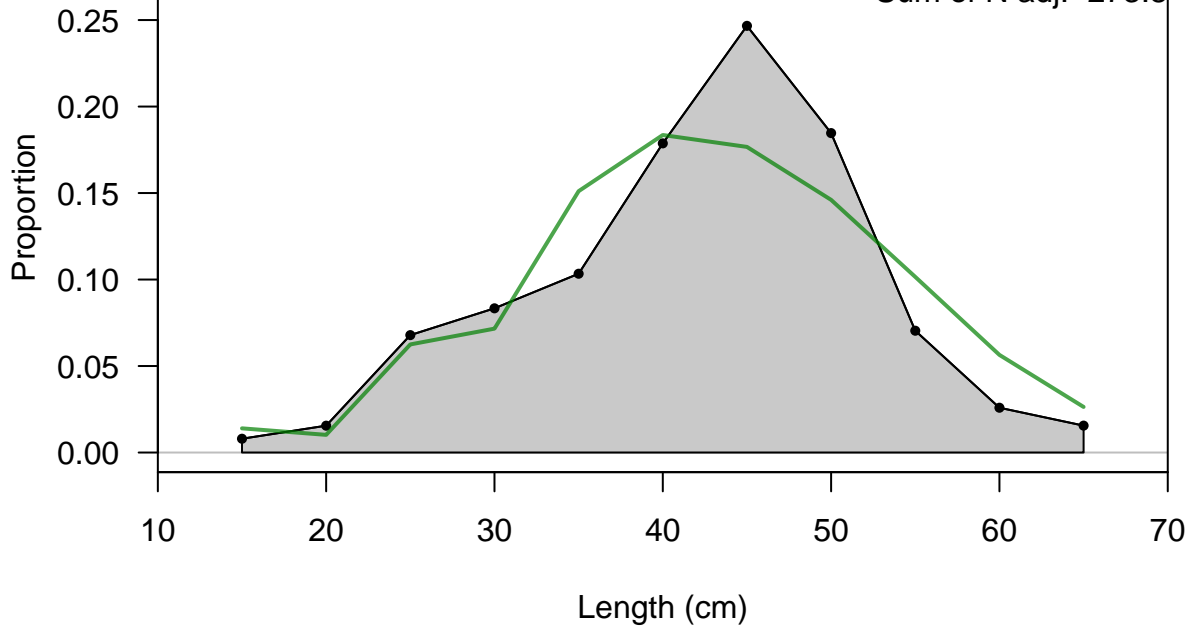


FISHERY (whole catch)

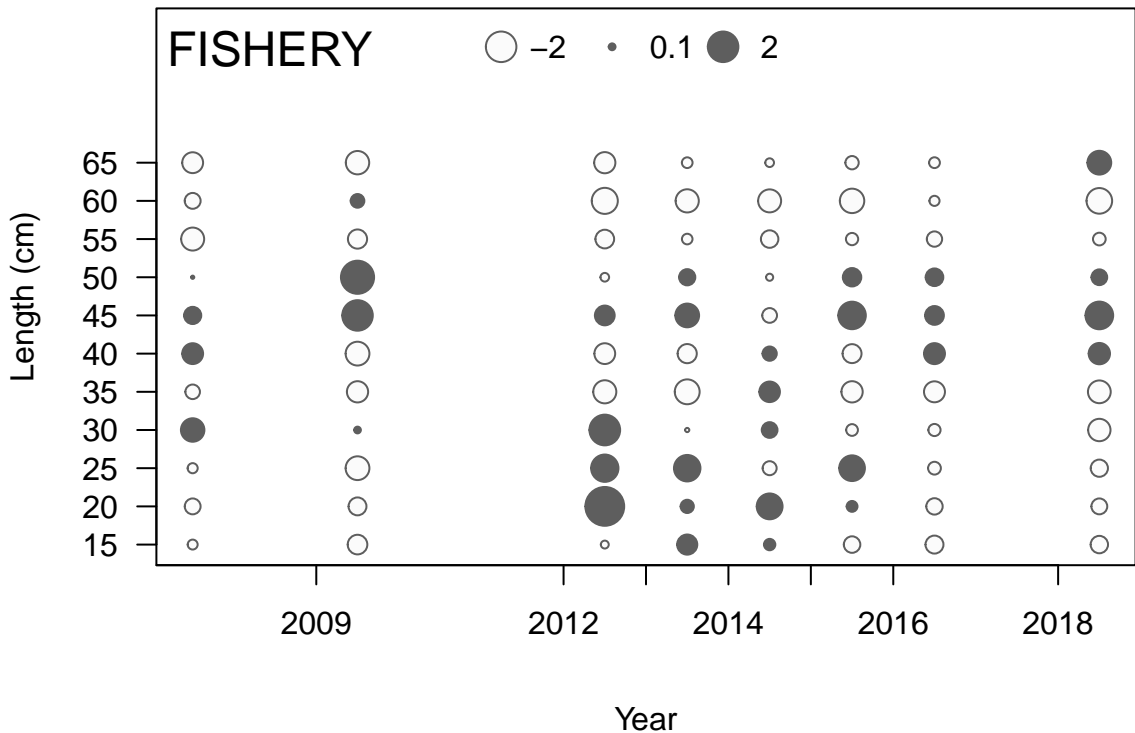


# FISHERY

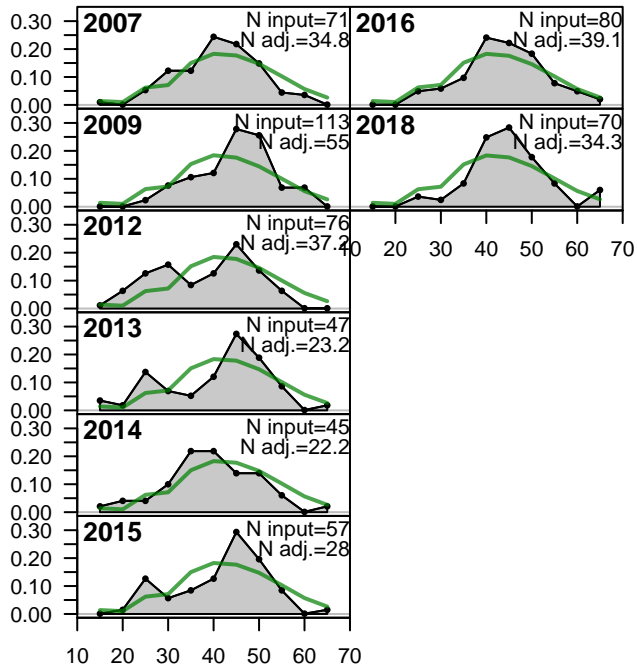
Sum of N input=559  
Sum of N adj.=273.8



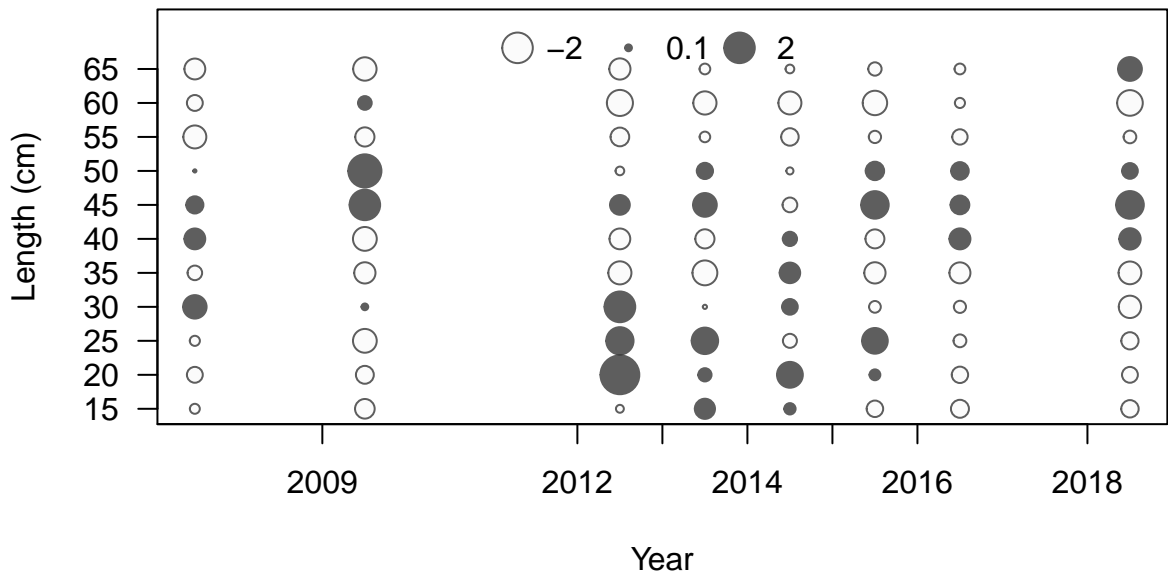




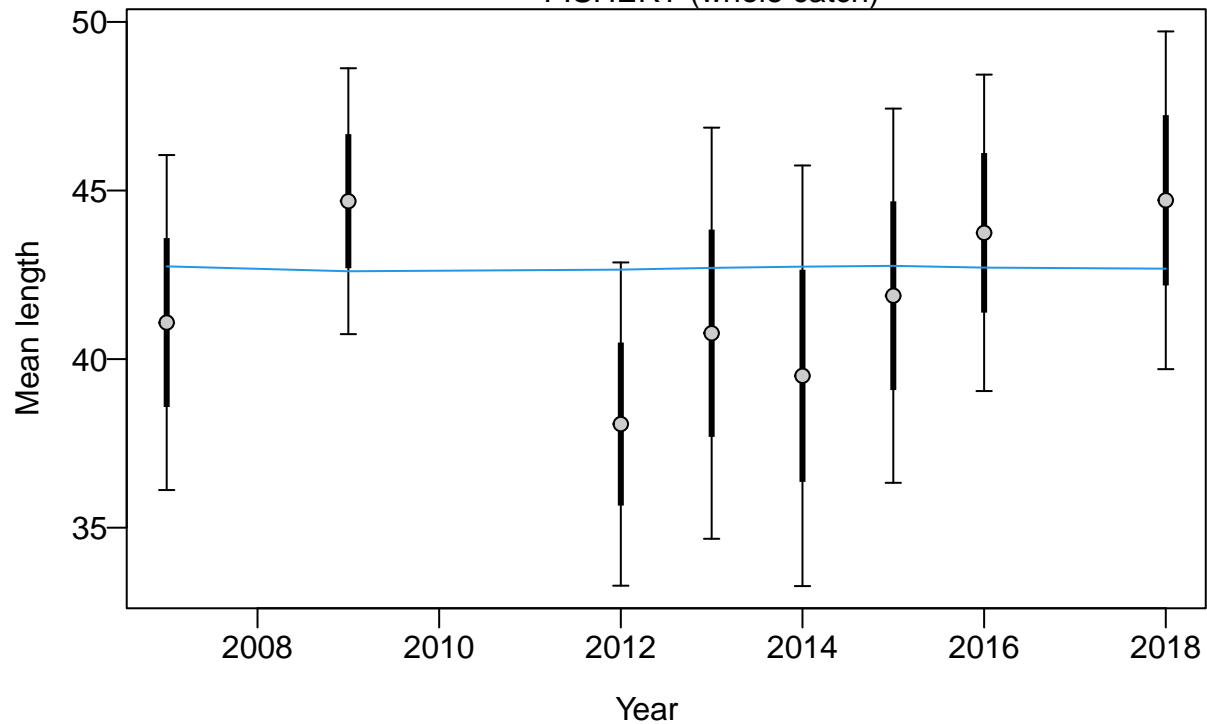
Proportion

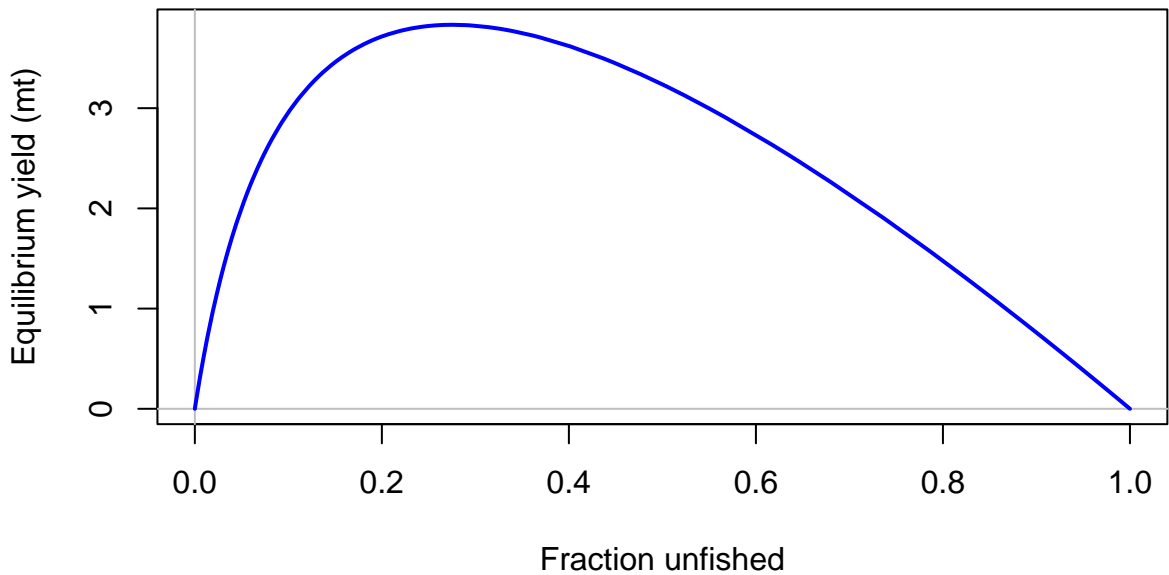


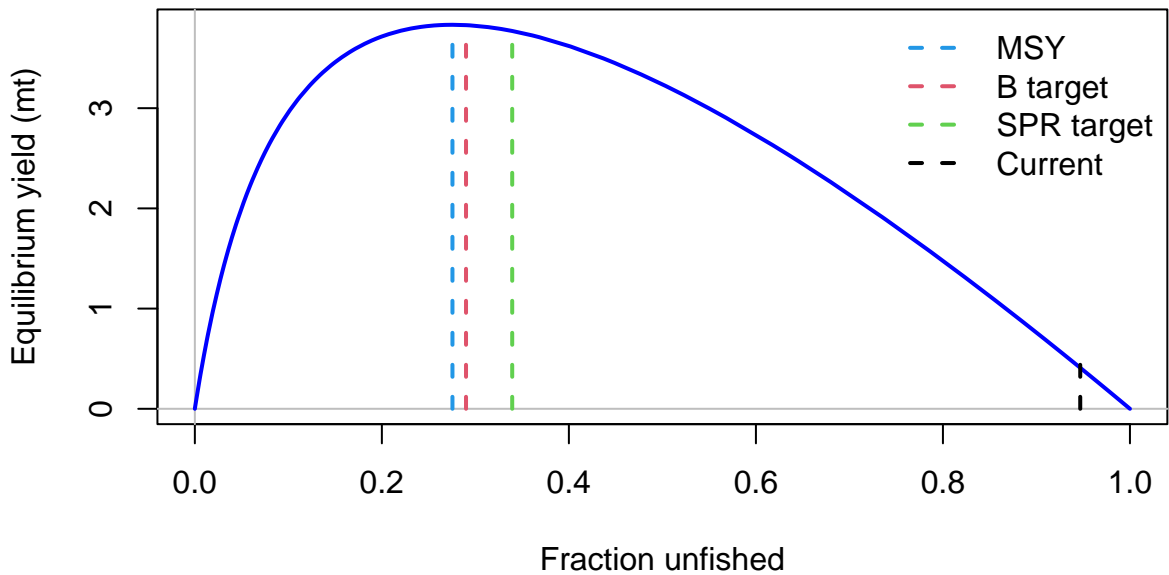
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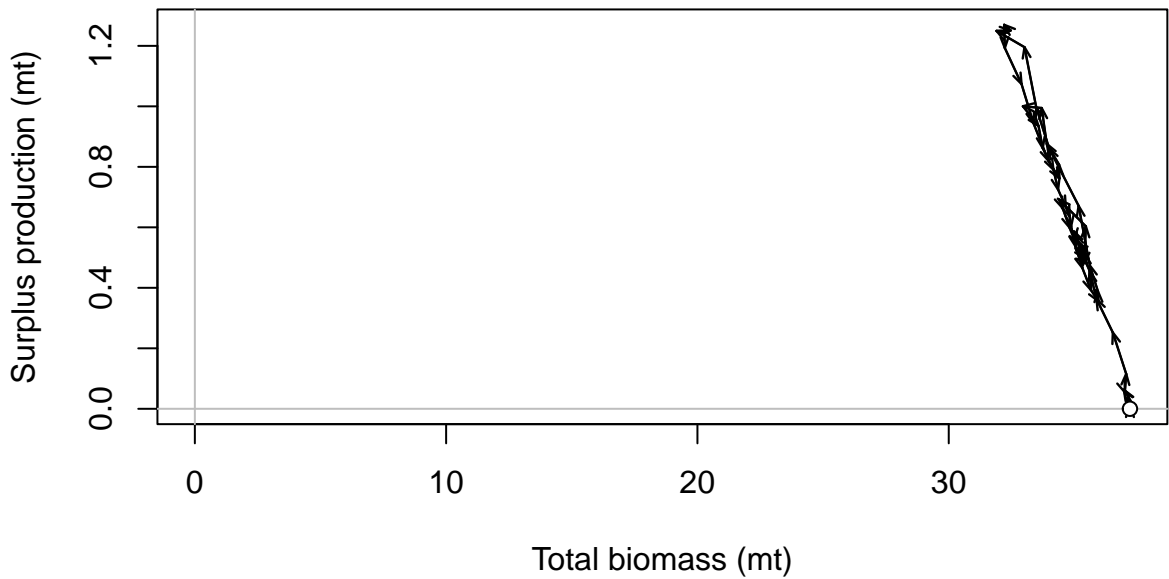


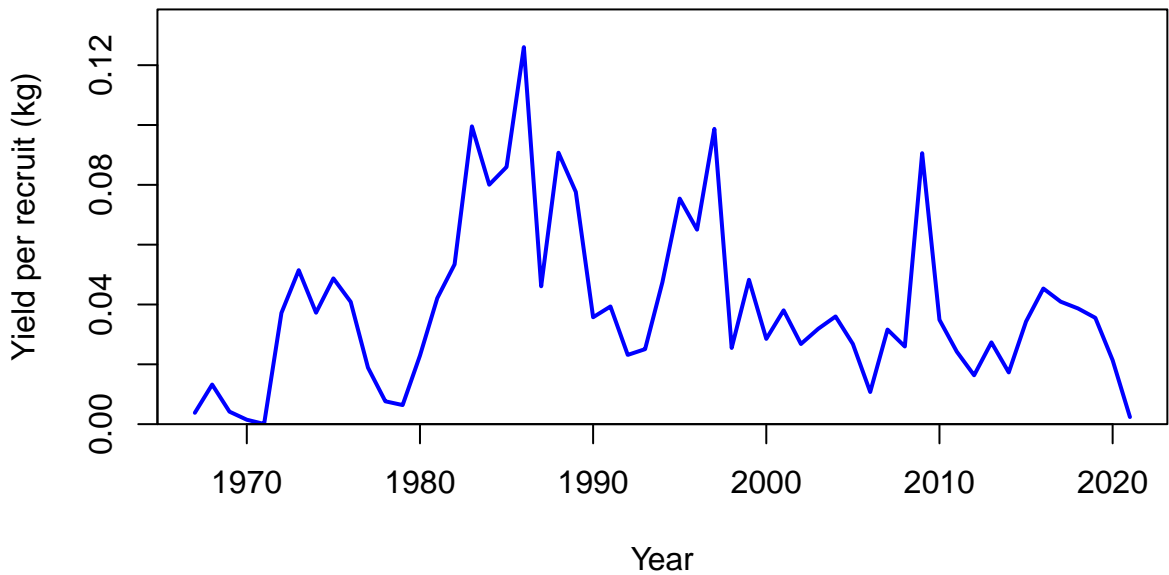
FISHERY (whole catch)



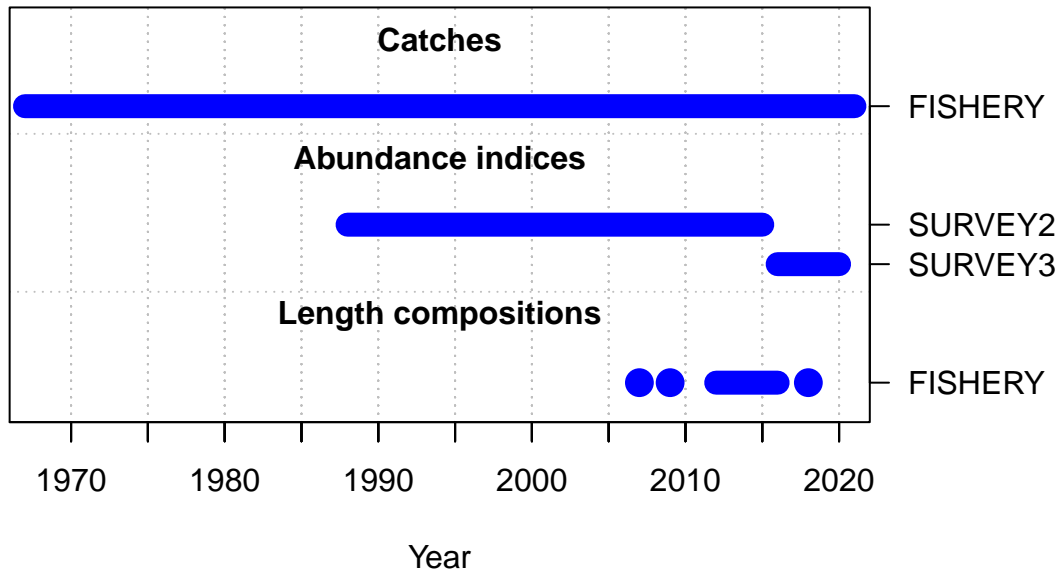


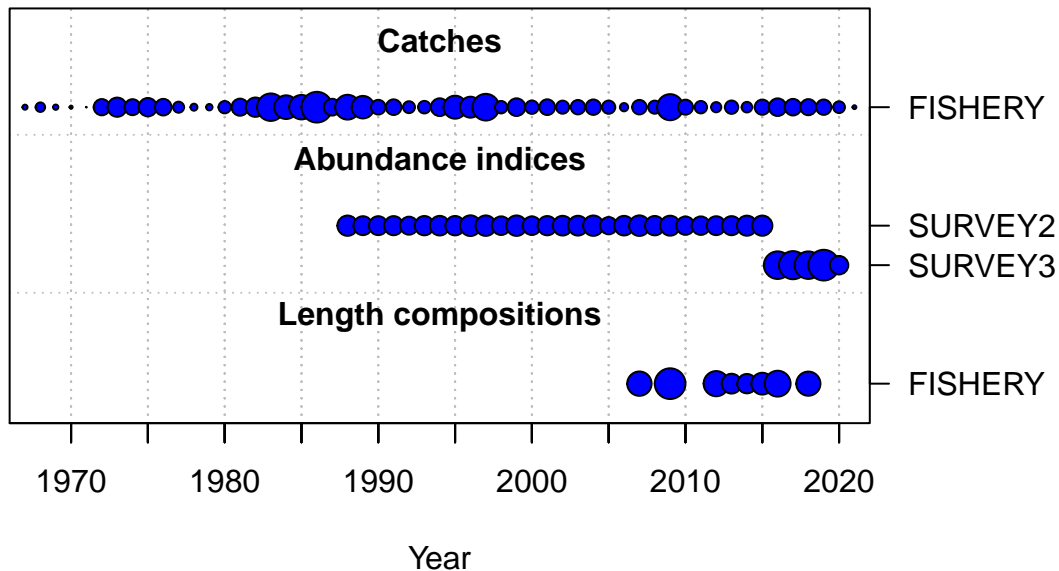




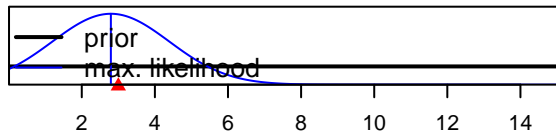




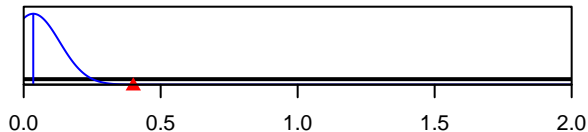




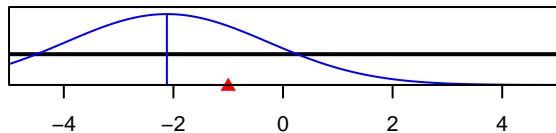
SR\_LN(R0)



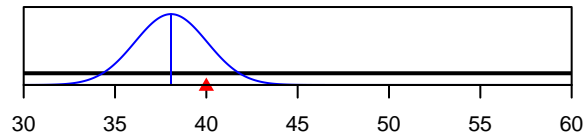
Q\_extraSD\_SURVEY3(3)



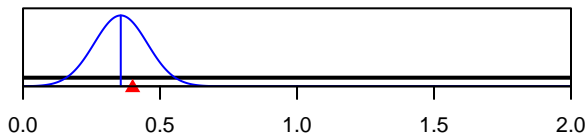
LnQ\_base\_SURVEY2(2)



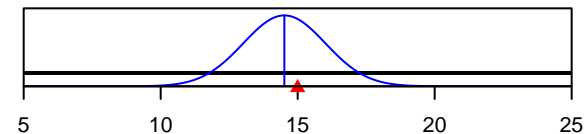
Size\_inflection\_FISHERY(1)



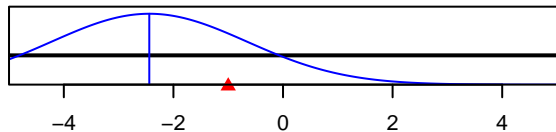
Q\_extraSD\_SURVEY2(2)



Size\_95%width\_FISHERY(1)



LnQ\_base\_SURVEY3(3)



ln(DM\_theta)\_1

