

Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Wed Aug 24 10:33:19 2022  
Data\_File: data.ss  
Control\_File: control.ss

Length (cm, beginning of the year)



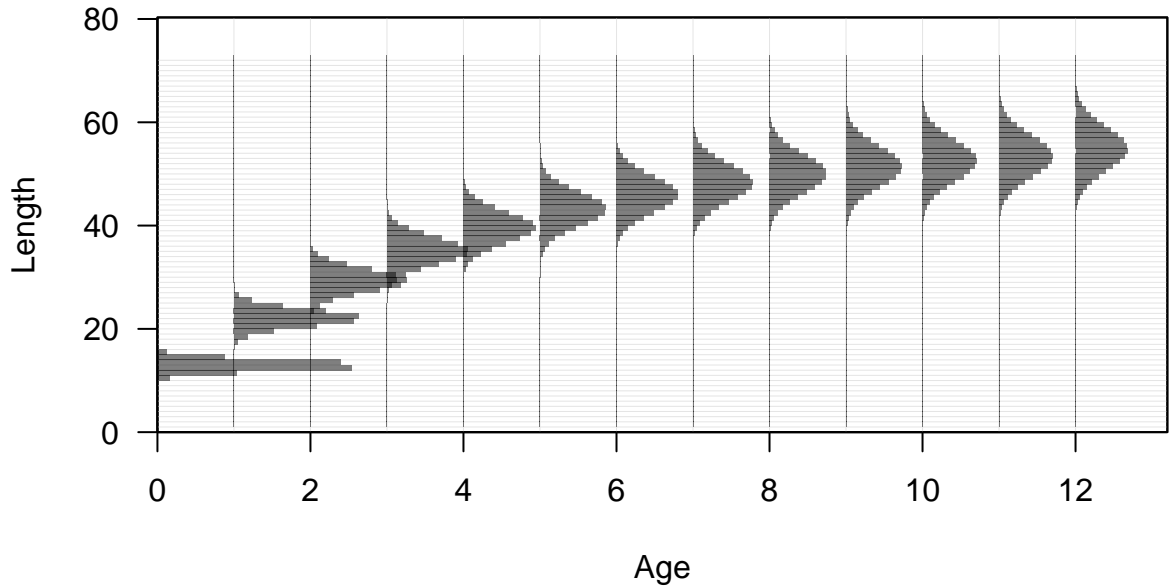










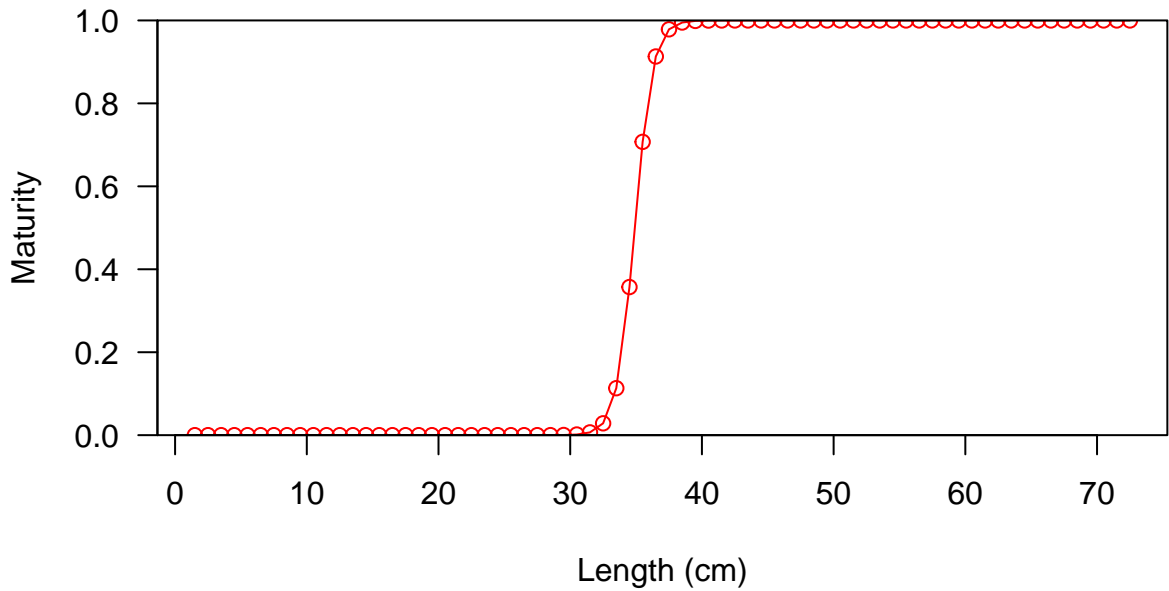






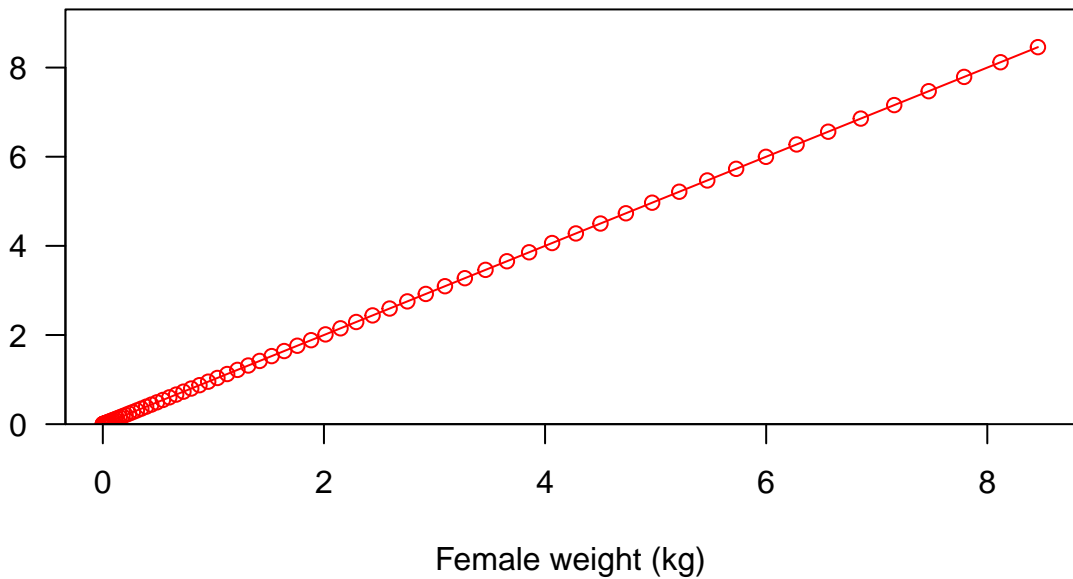








Fecundity



Fecundity

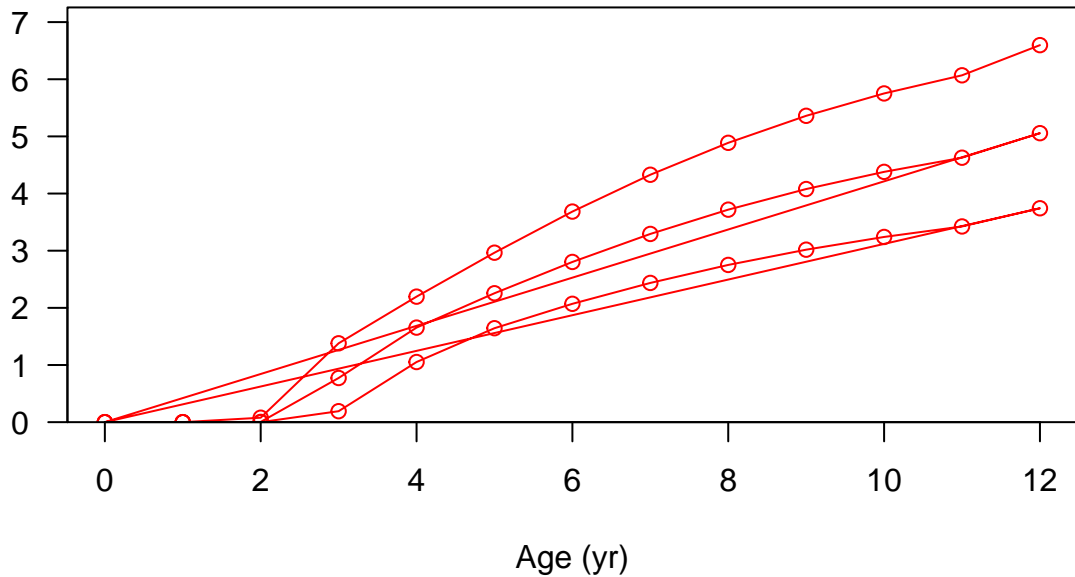


Spawning output

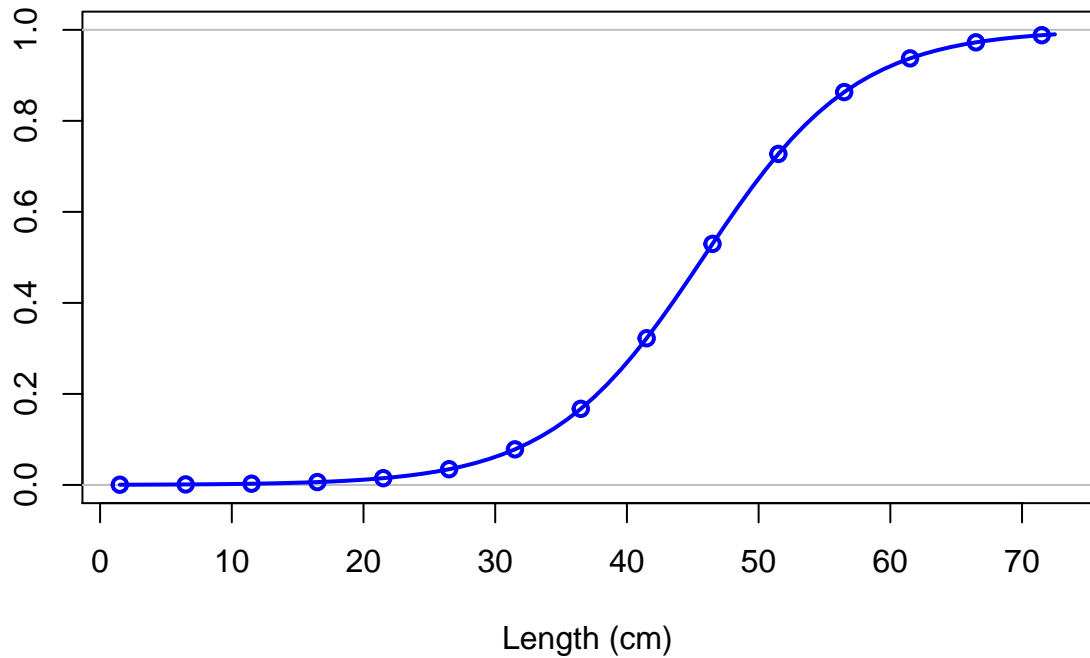




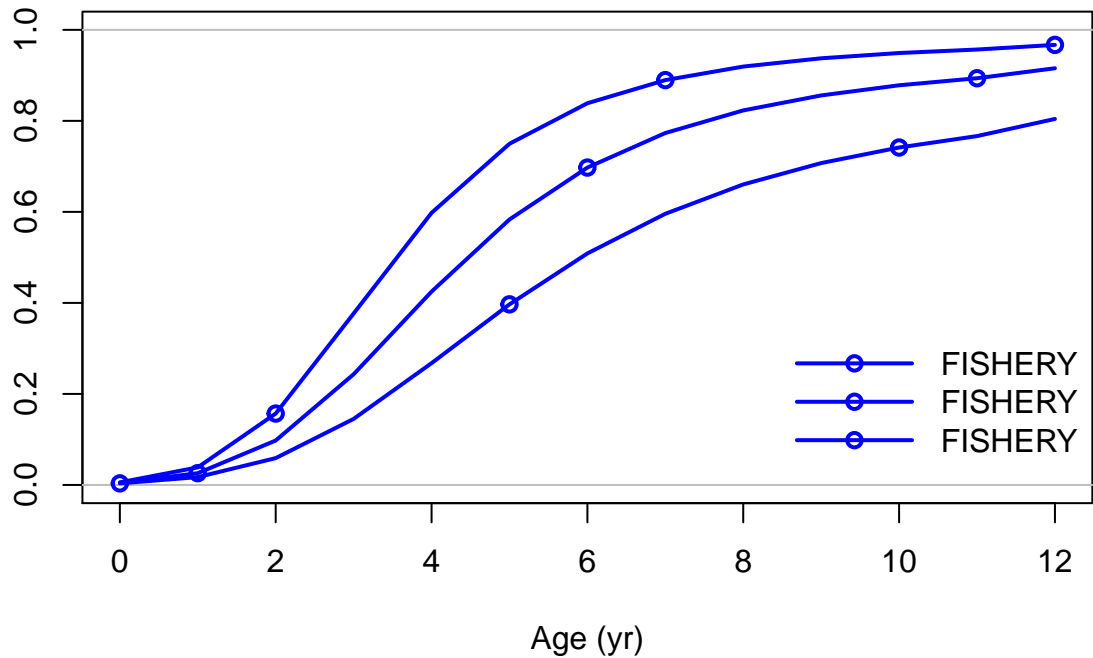
Spawning output



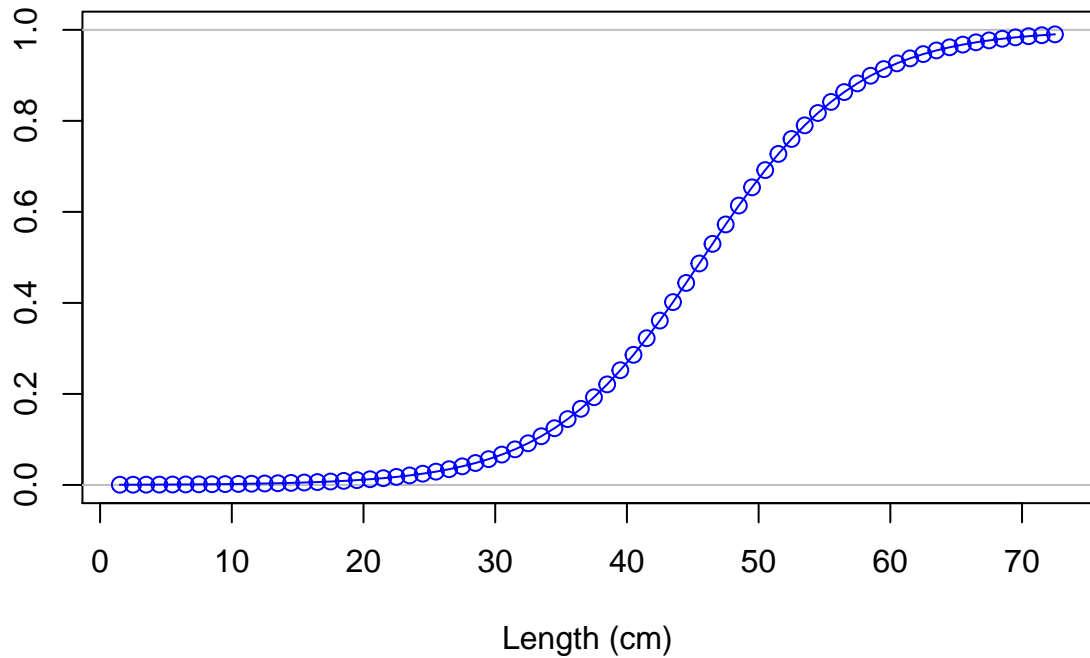
Selectivity

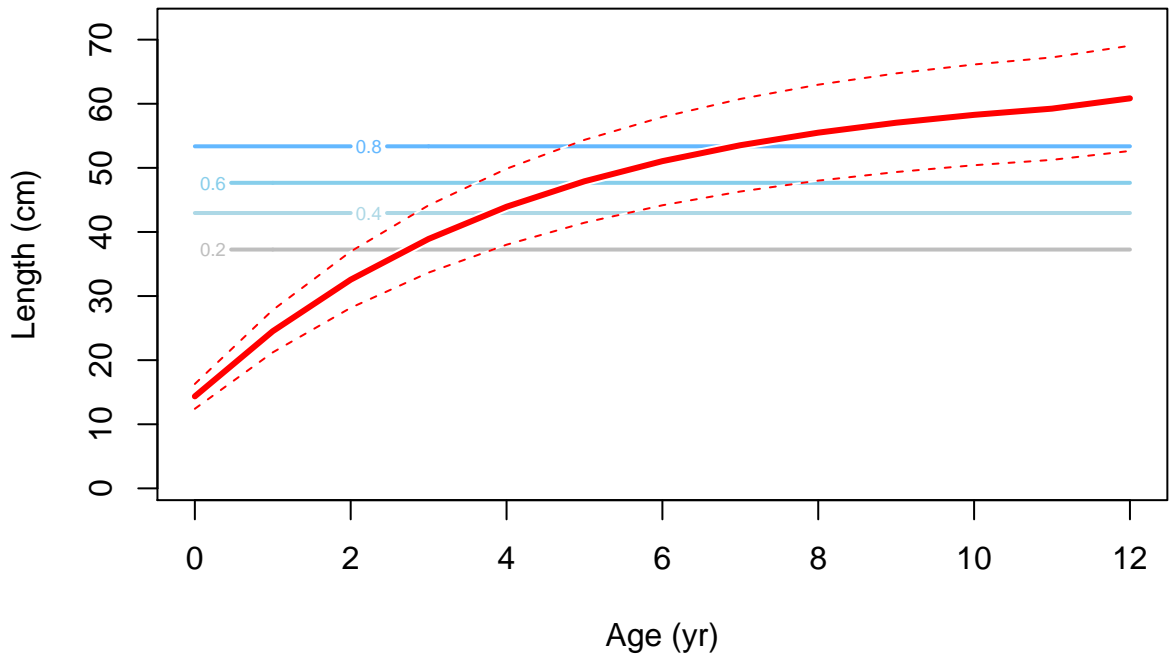


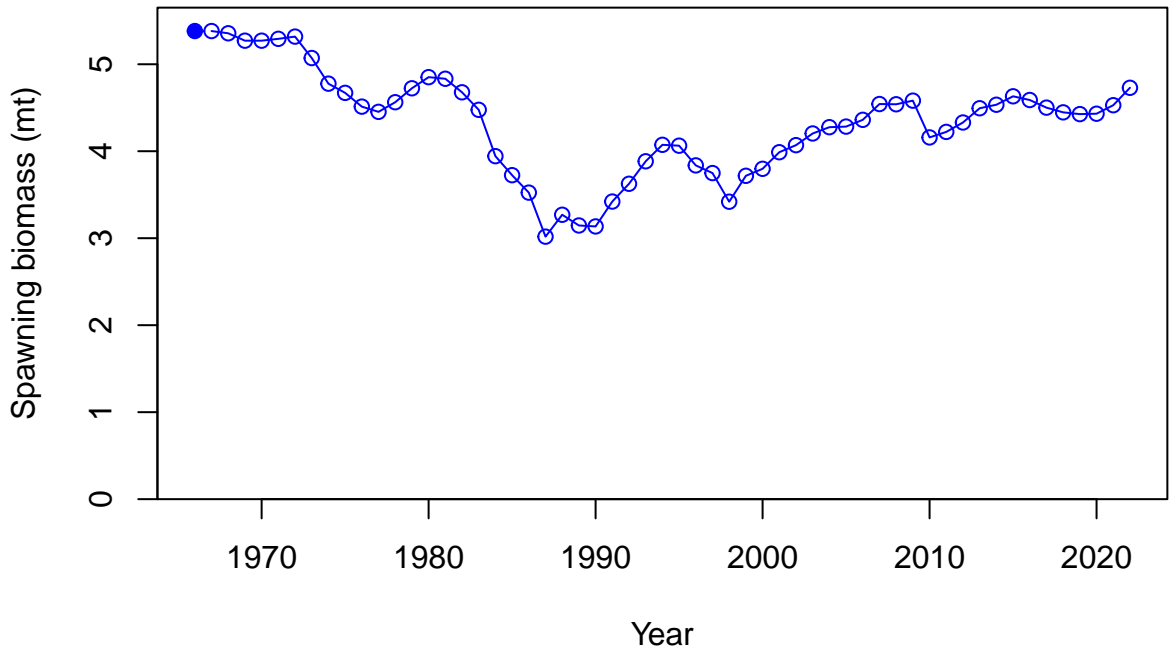
Selectivity

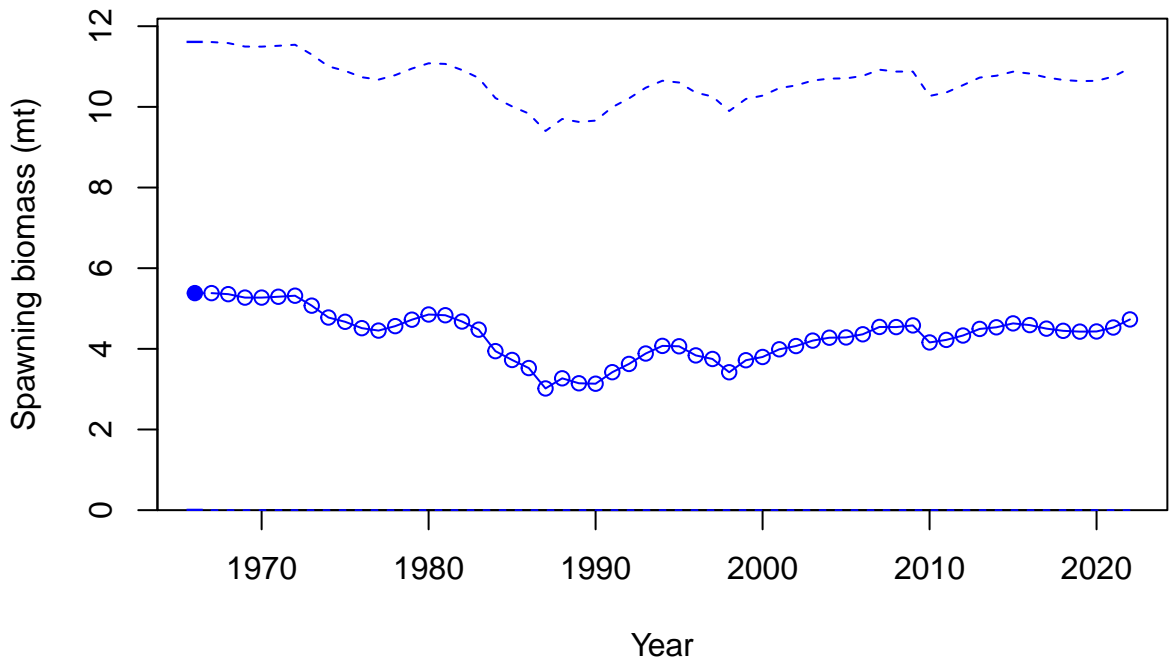


Selectivity

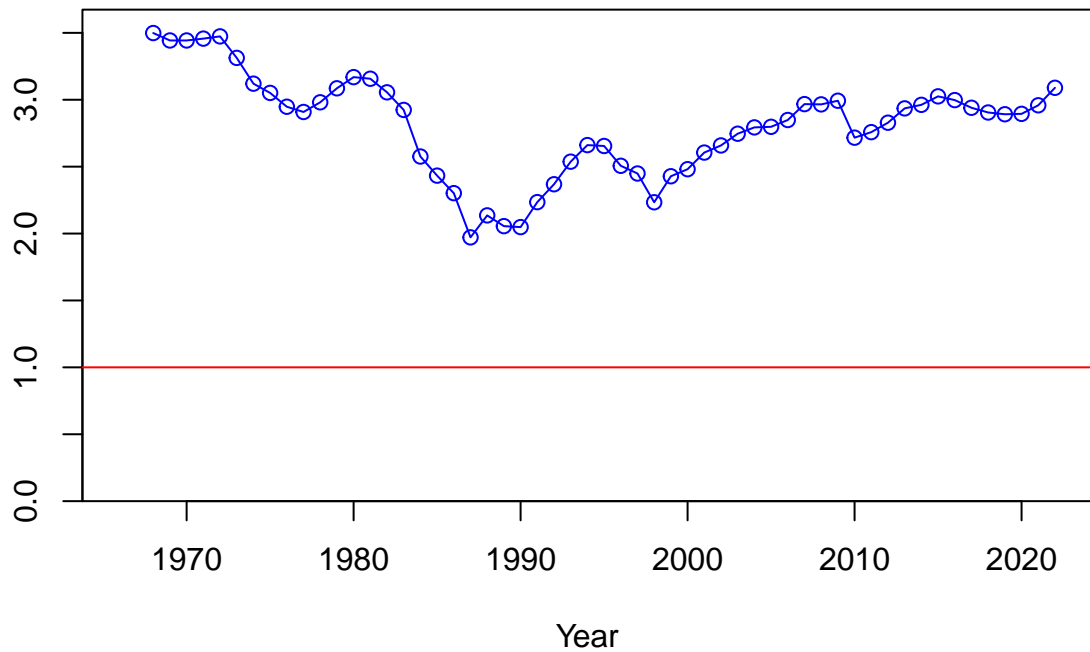






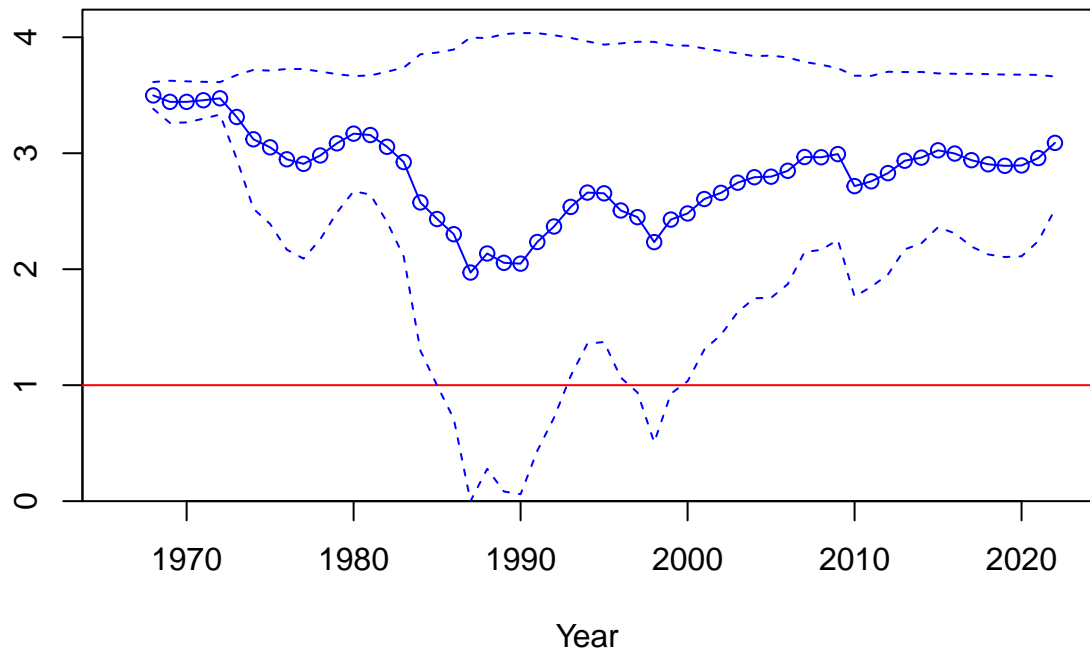


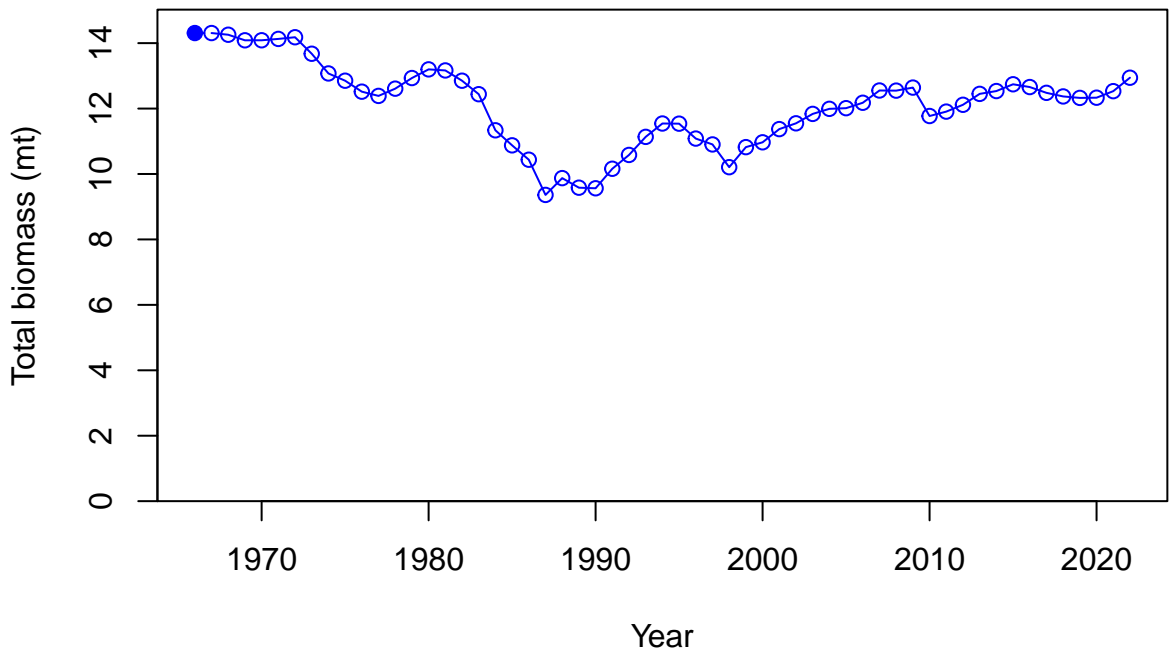
Relative spawning biomass:  $B/B_{MSY}$

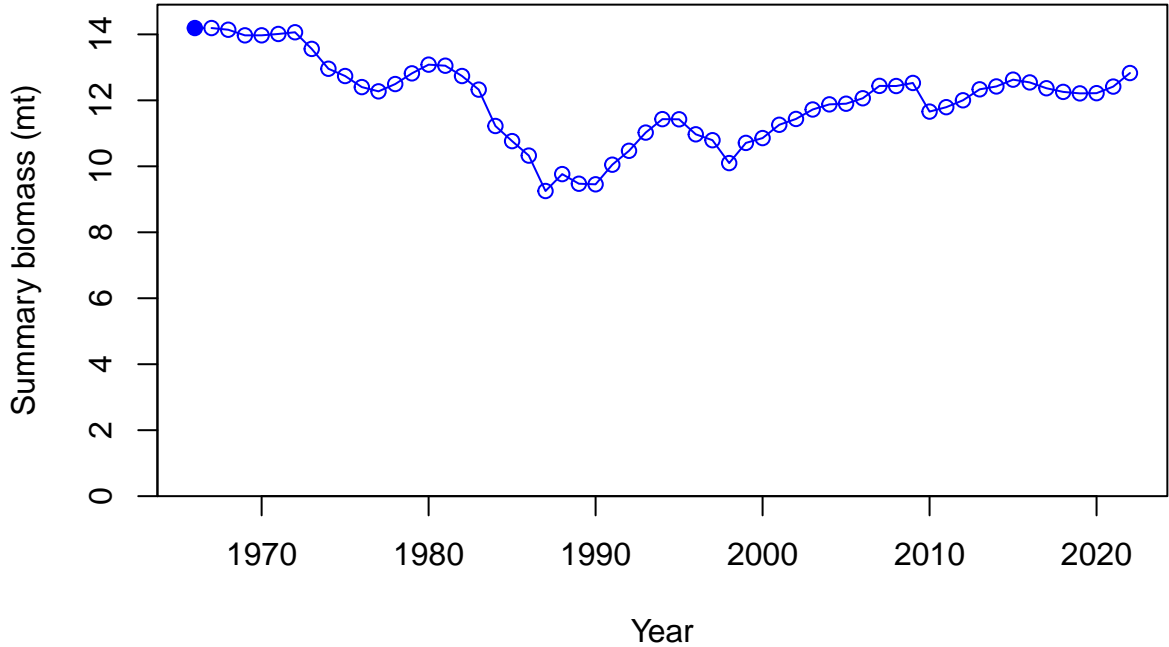




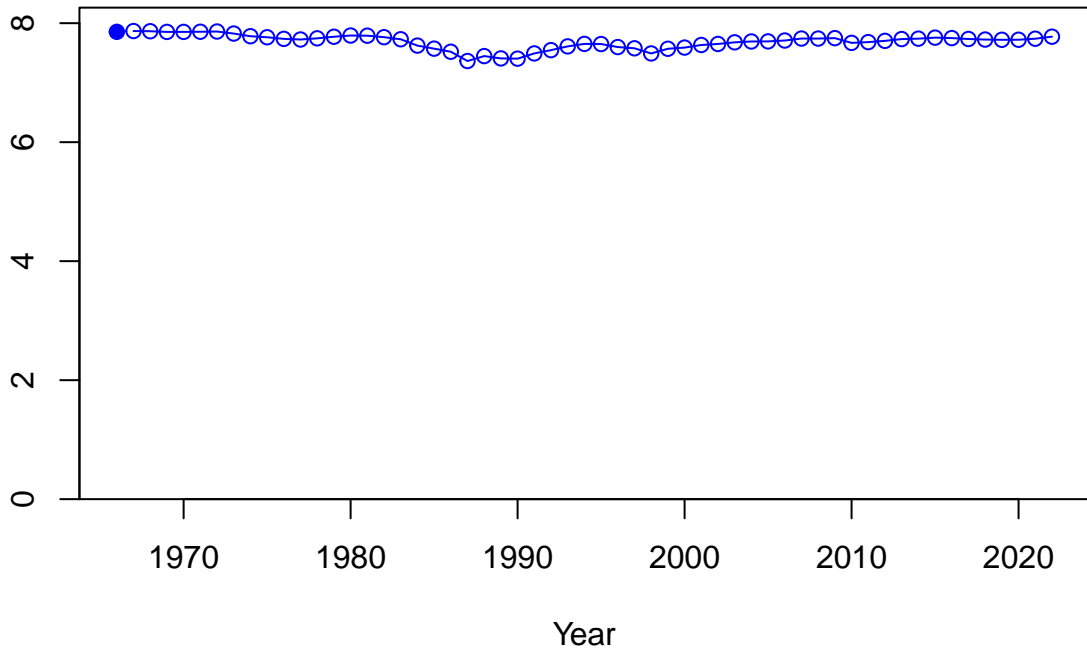
Relative spawning biomass:  $B/B_{MSY}$



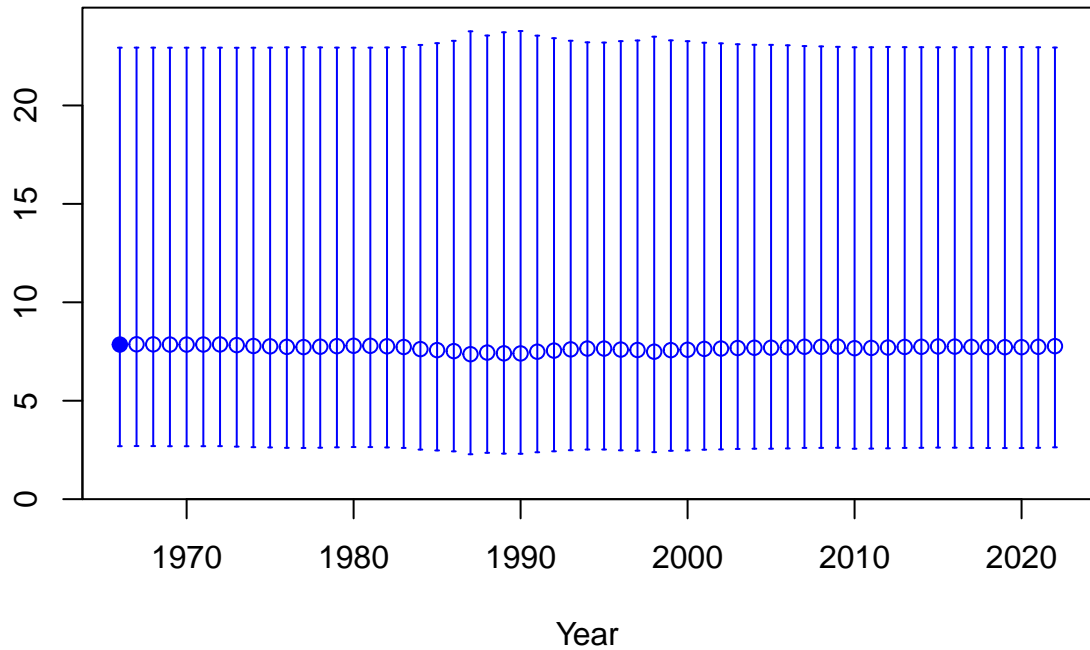




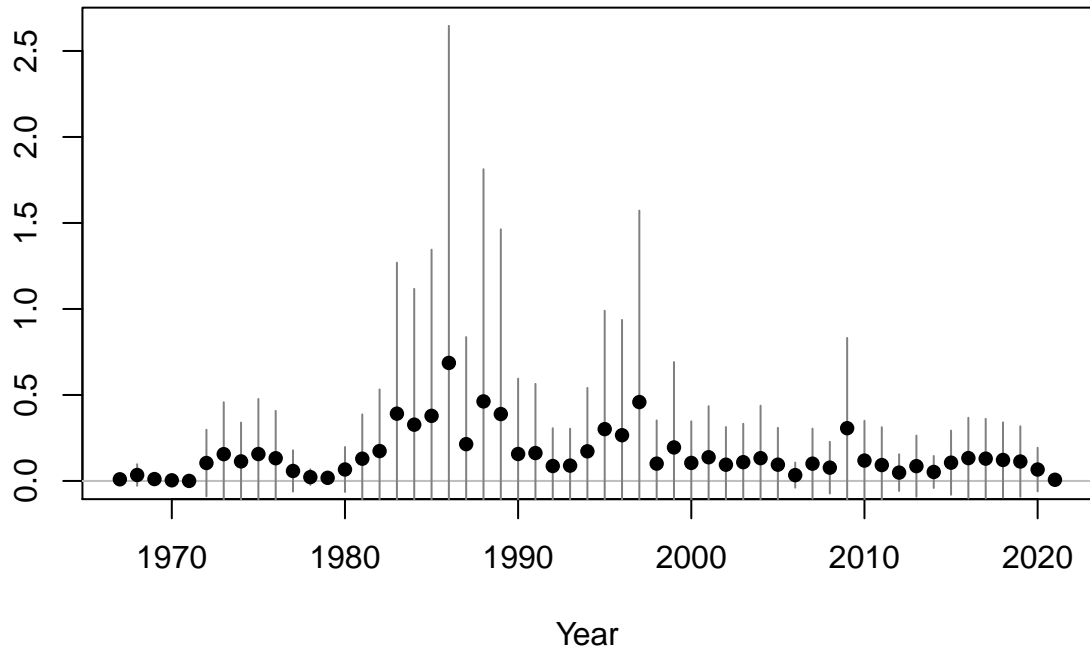
Age-0 recruits (1,000s)

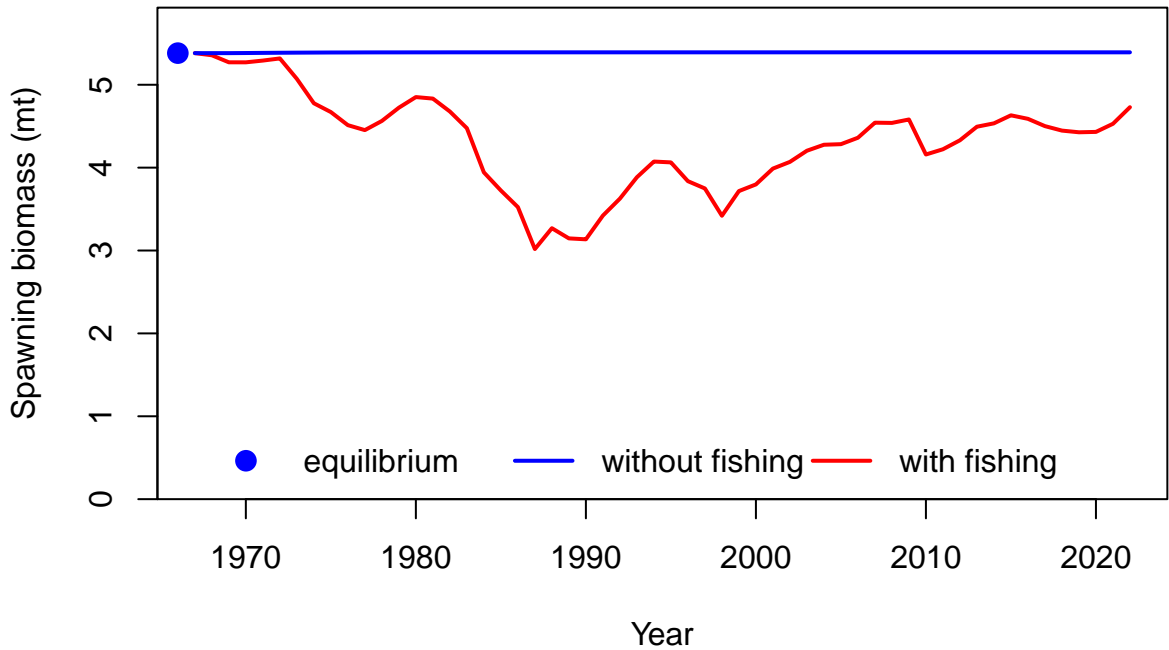


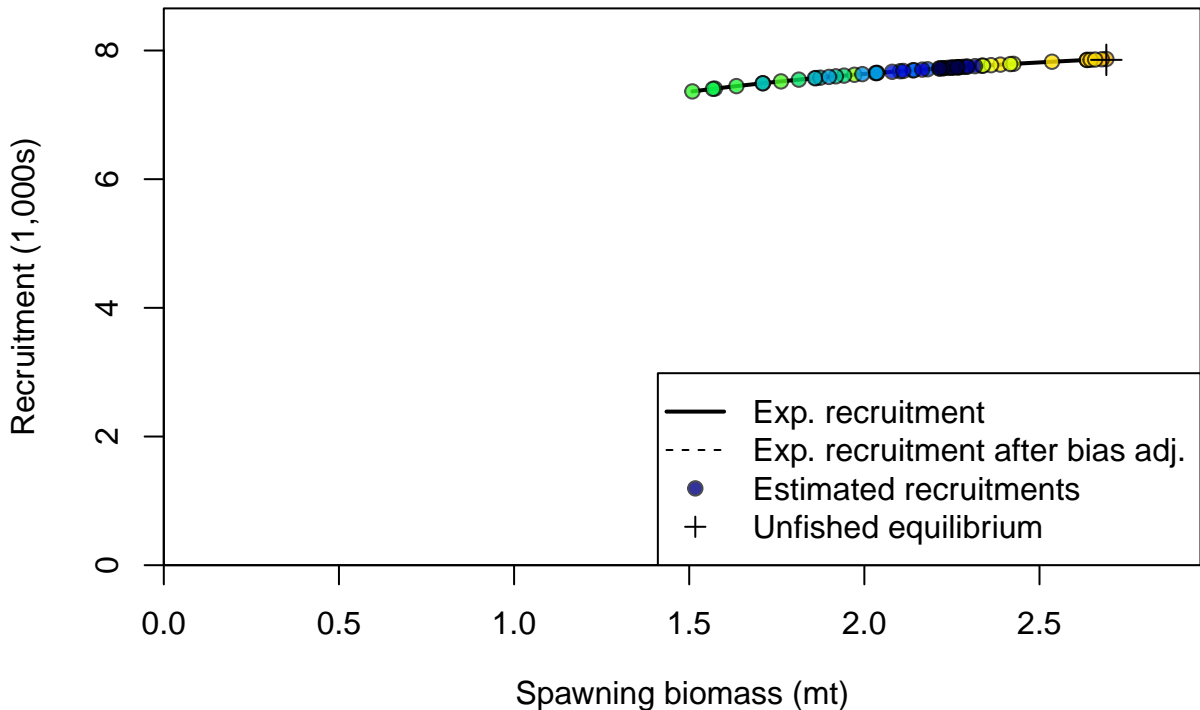
Age-0 recruits (1,000s)



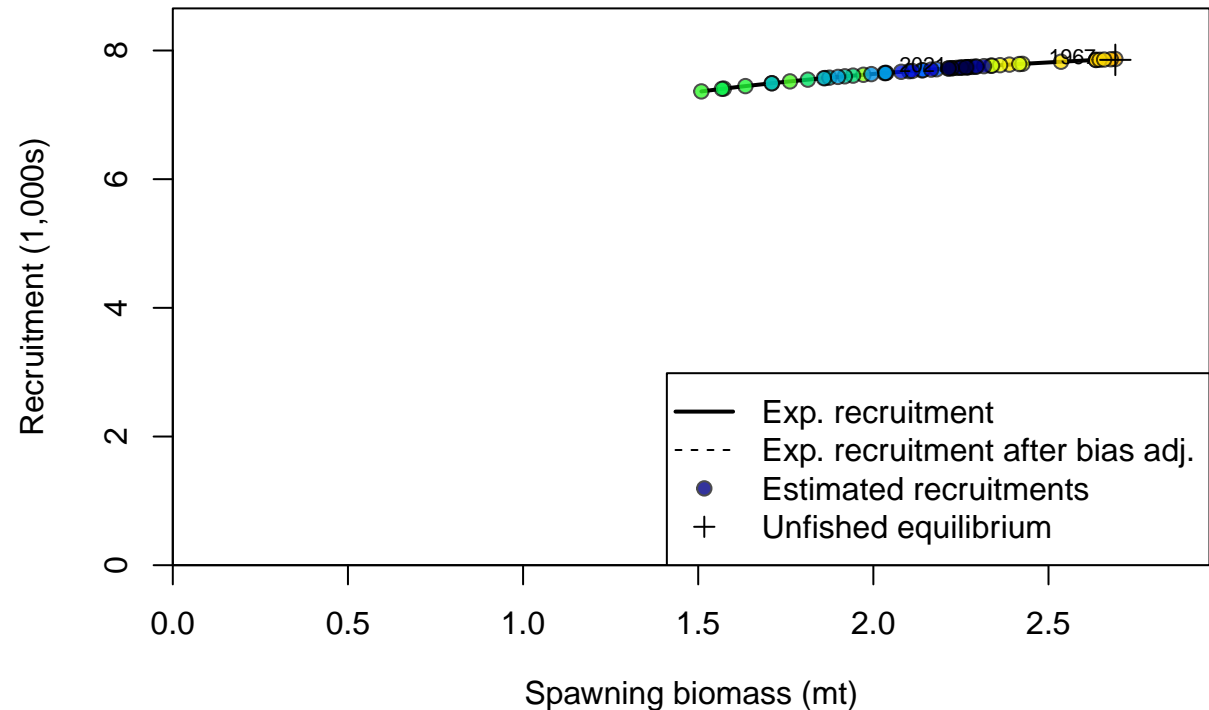
Summary Fishing Mortality

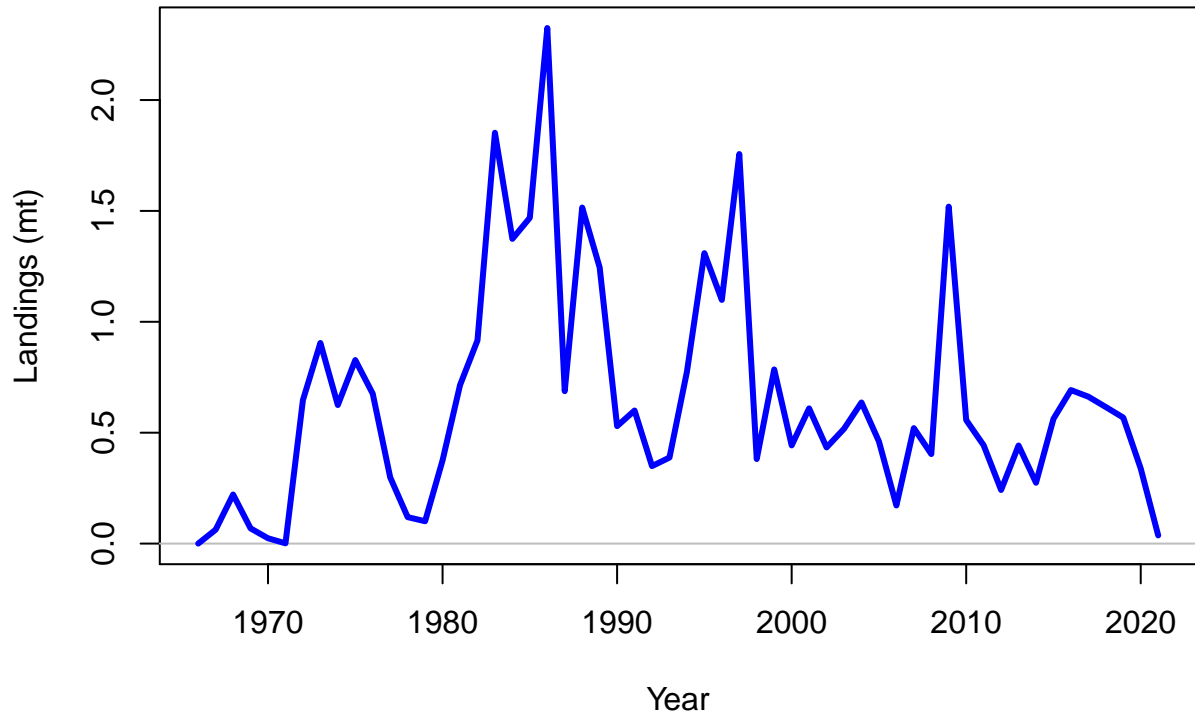


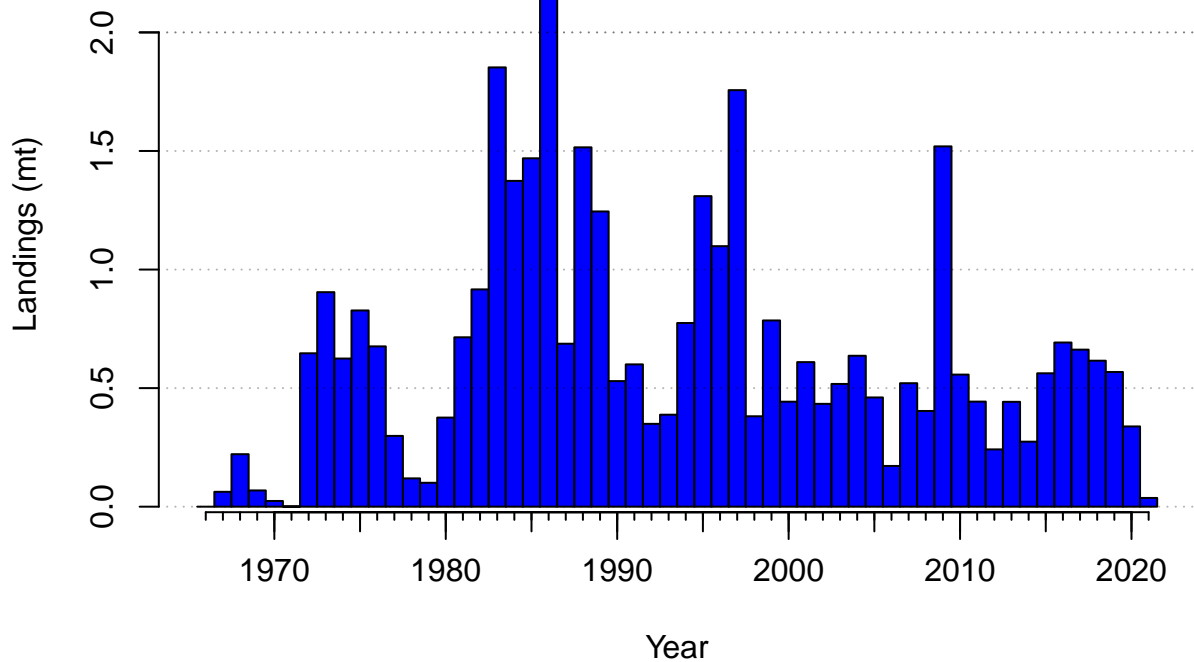


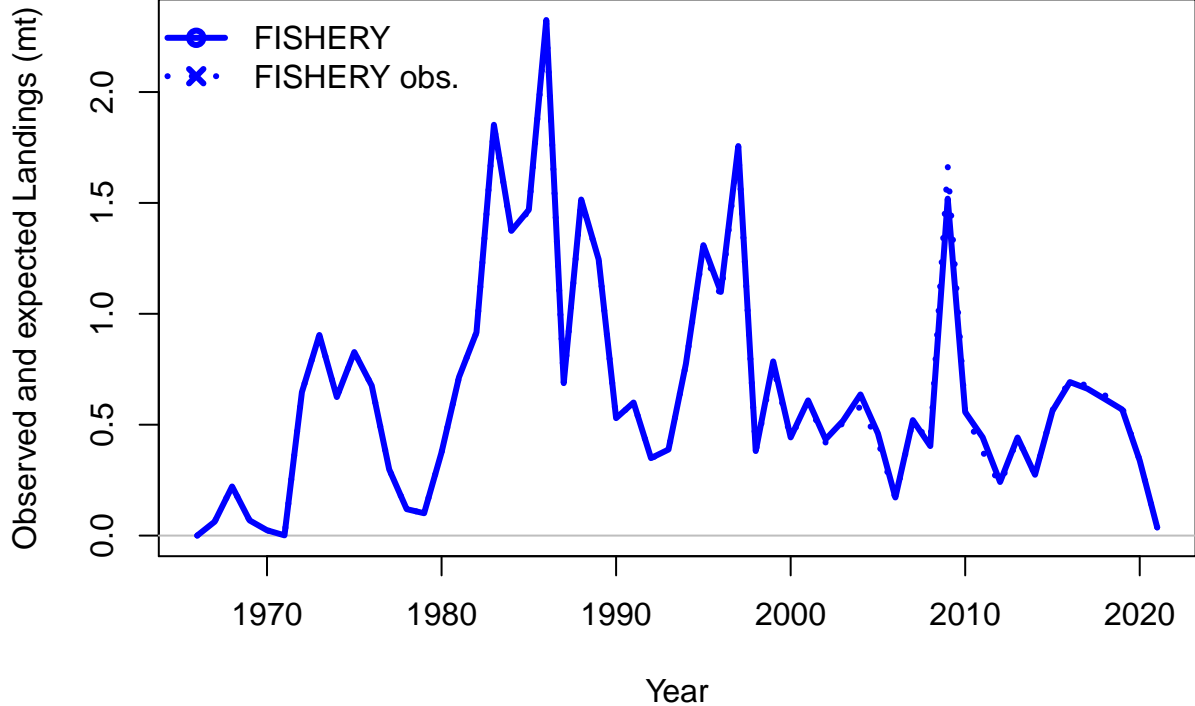




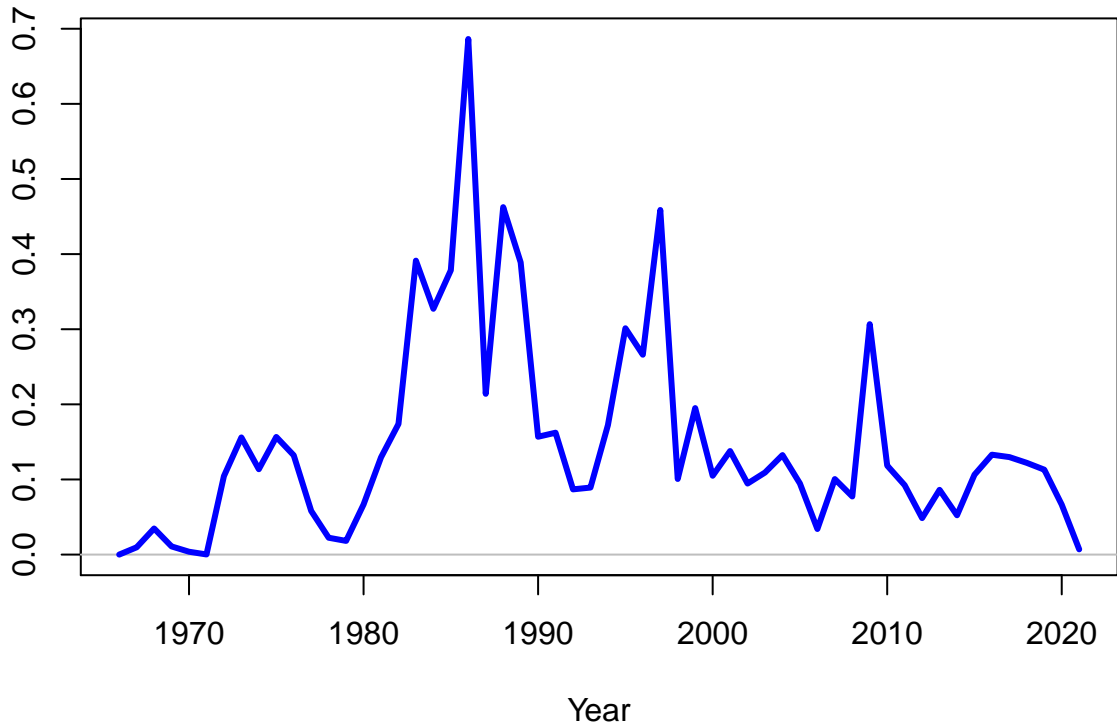




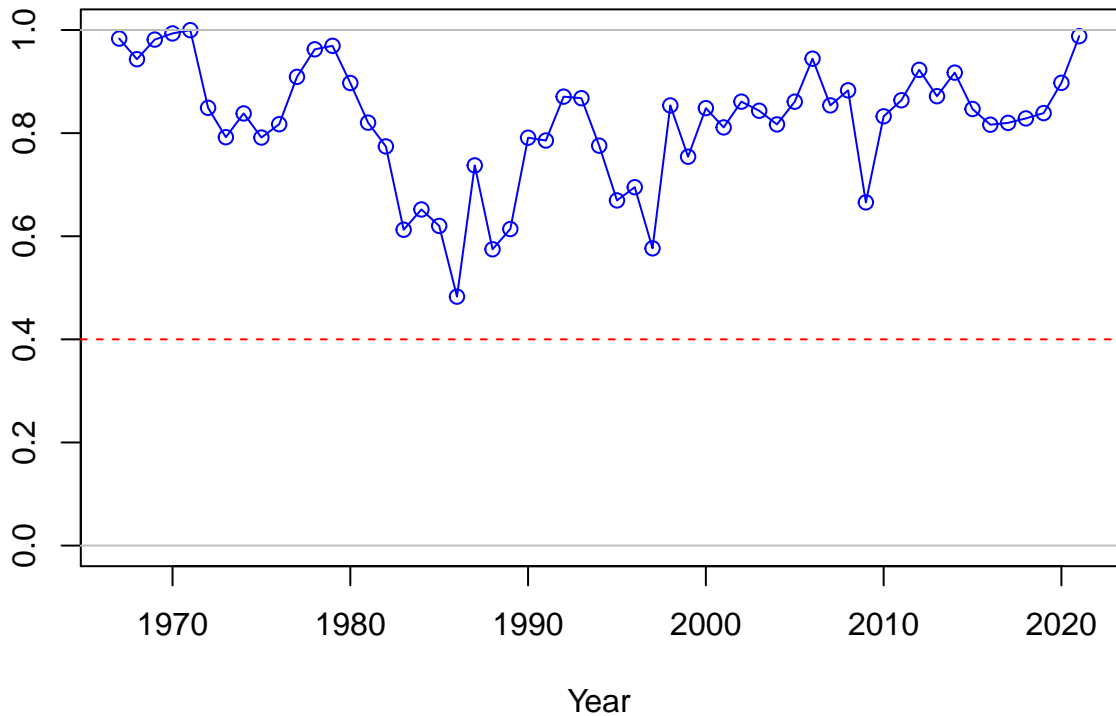




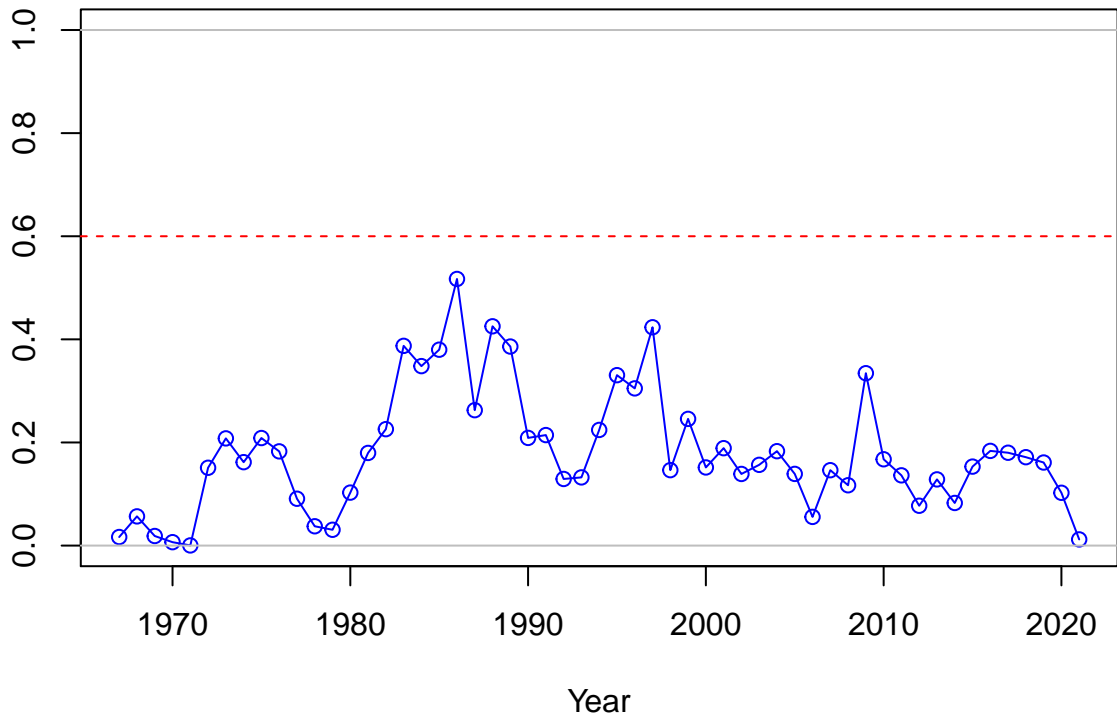
Continuous F



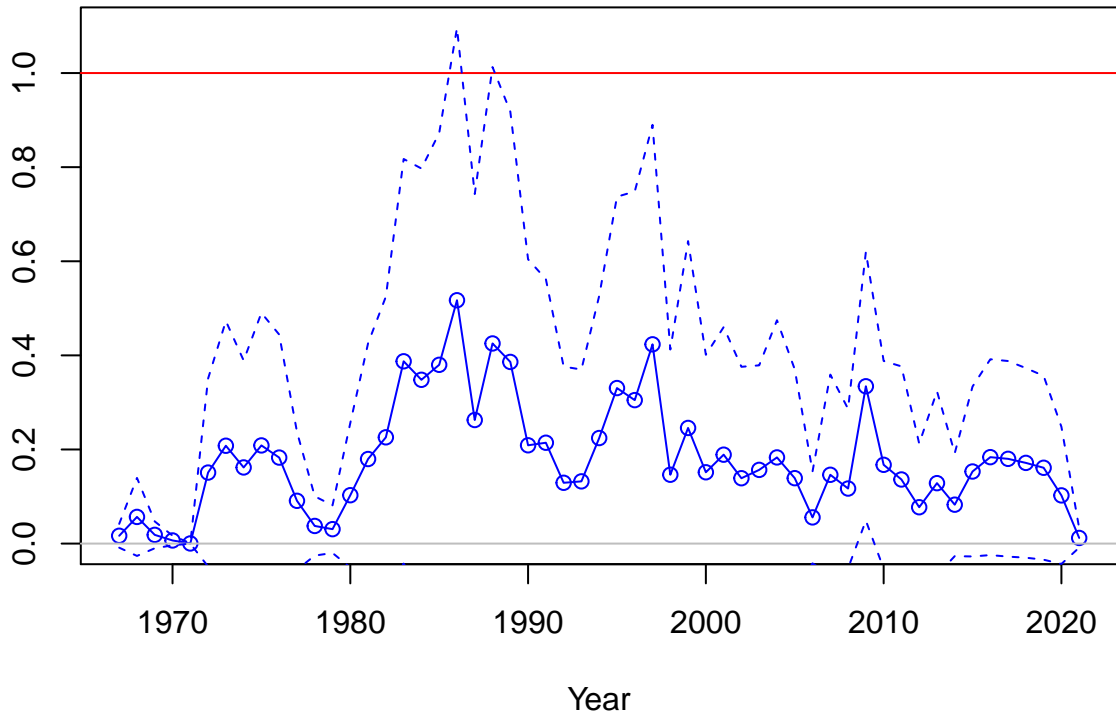
SPR



1-SPR

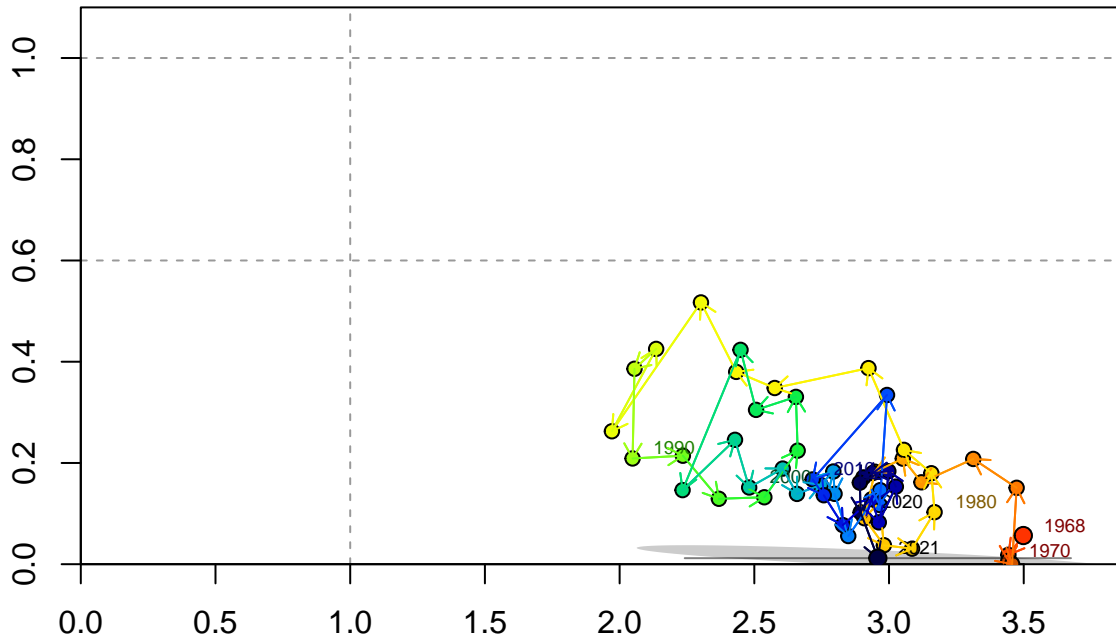


Fishing intensity: 1-SPR





Fishing intensity: 1-SPR



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

Index

5  
4  
3  
2  
1  
0

2016

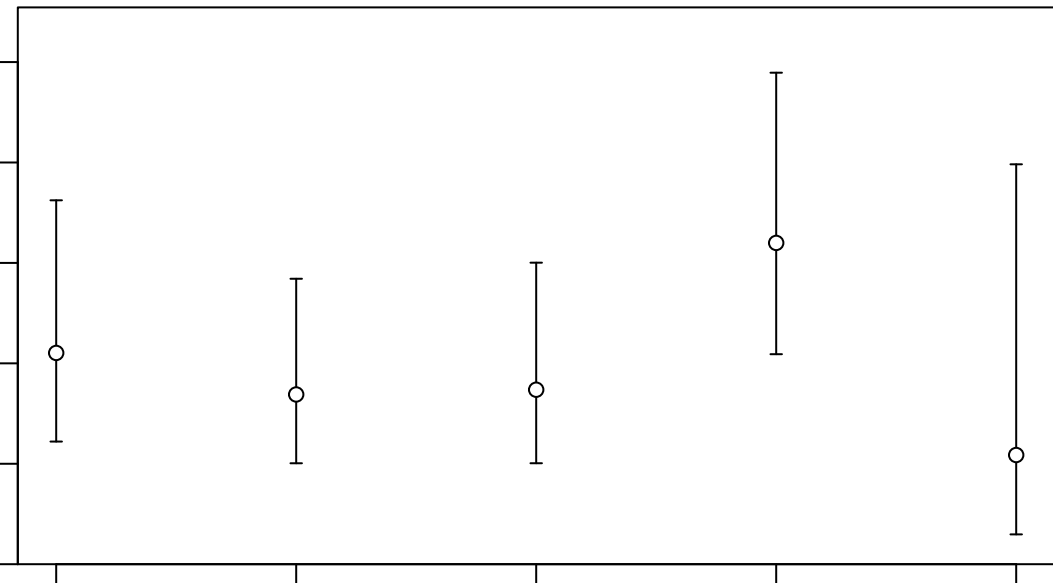
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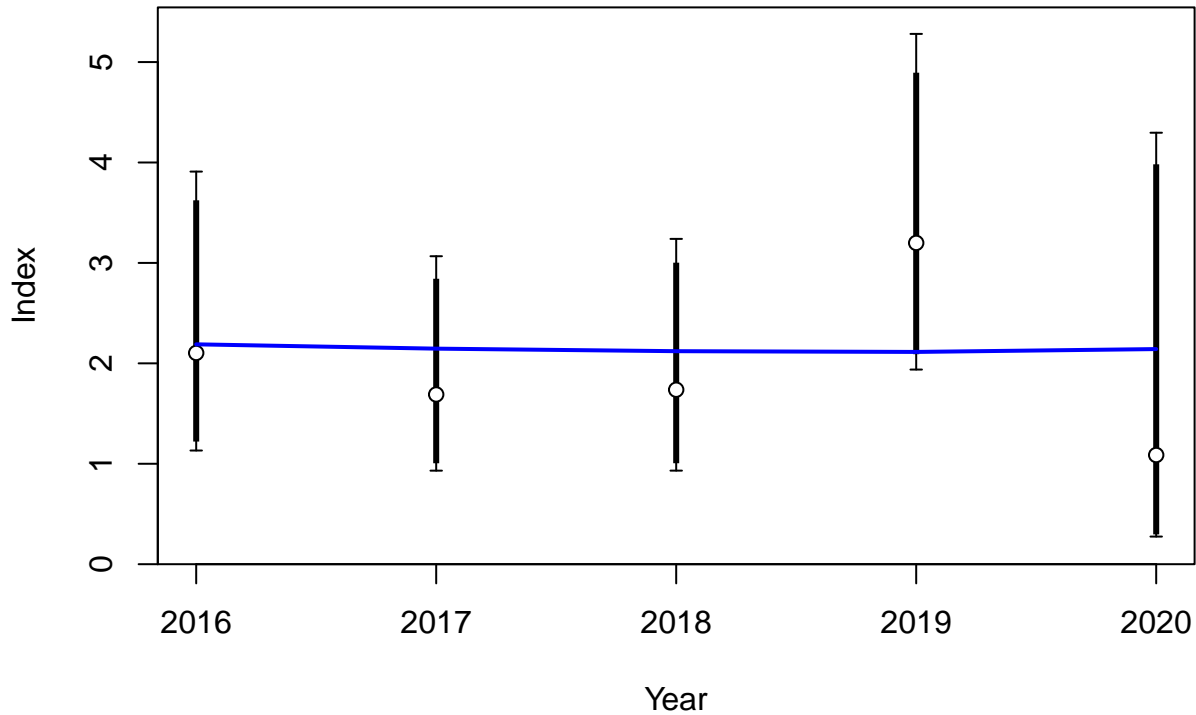
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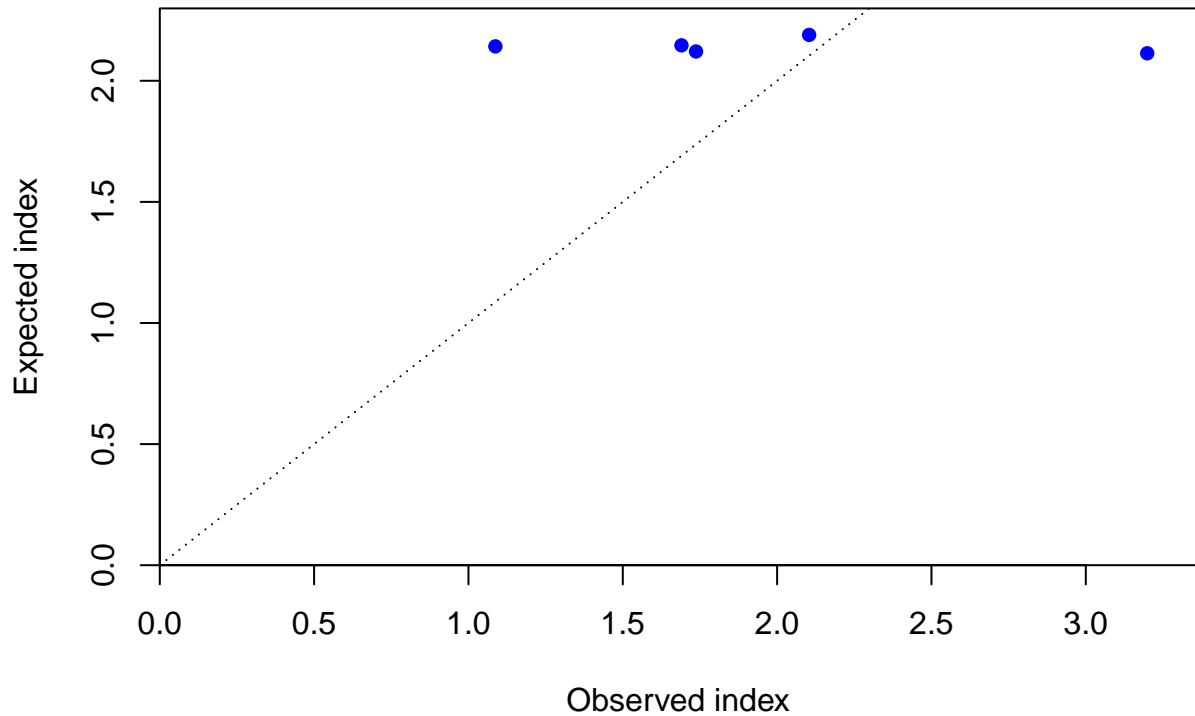
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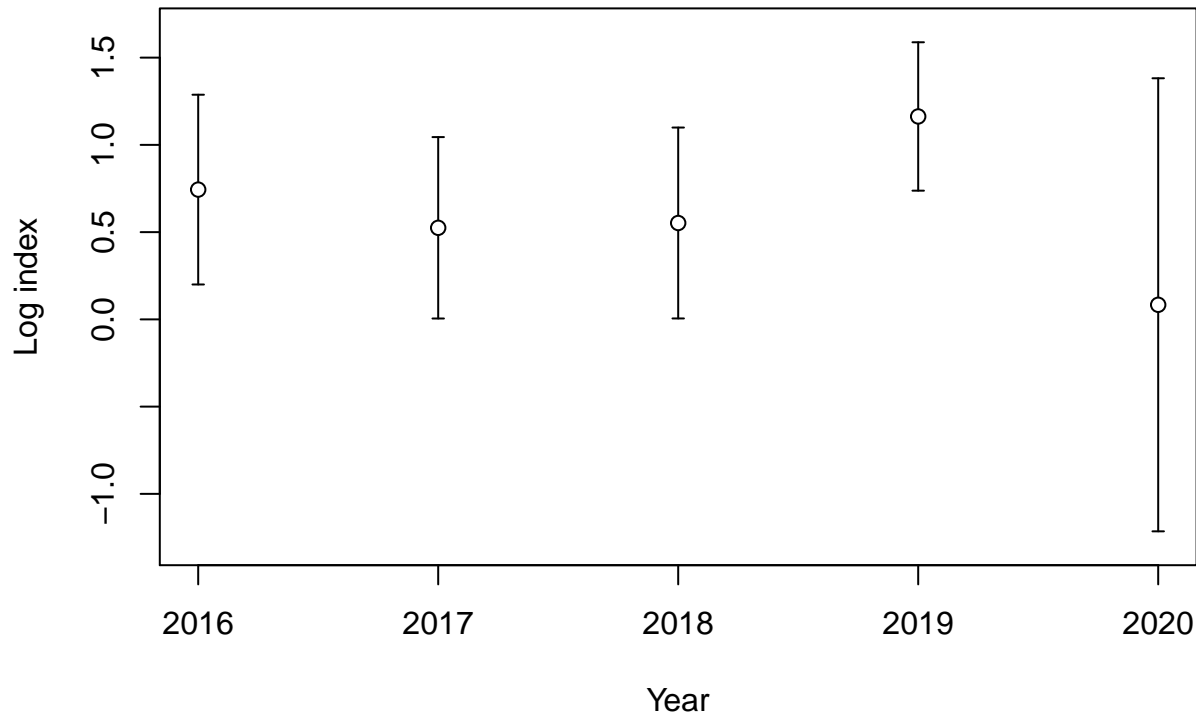
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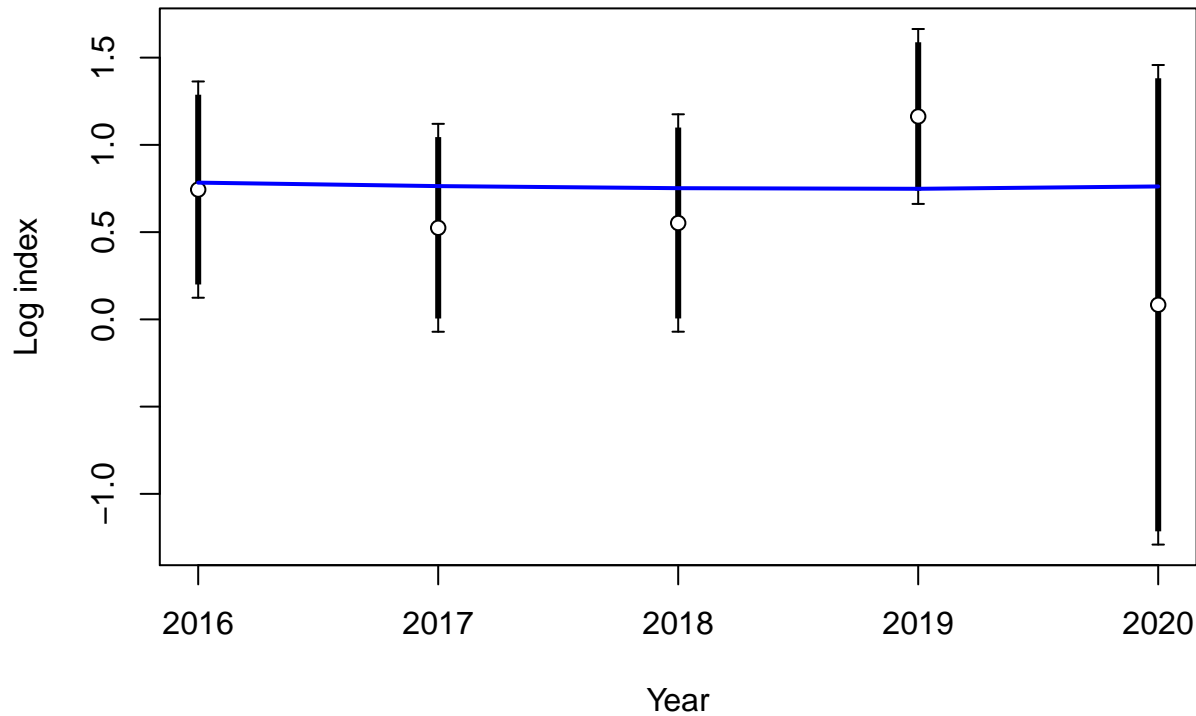
Year

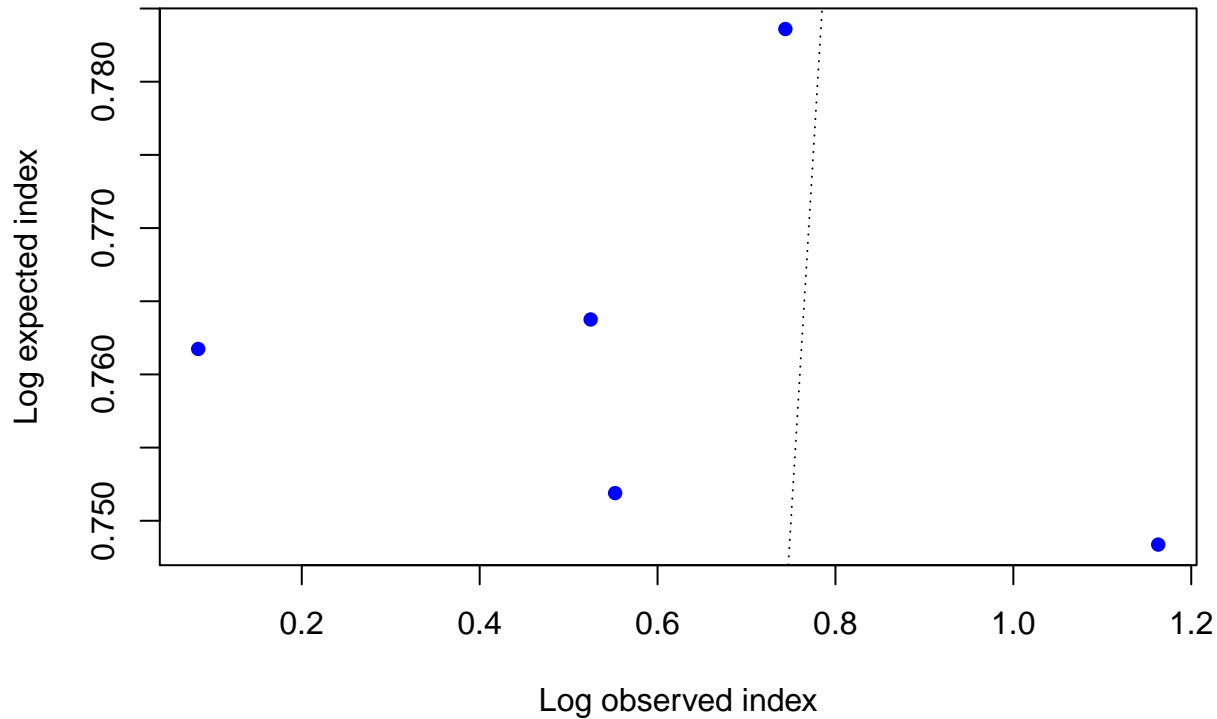




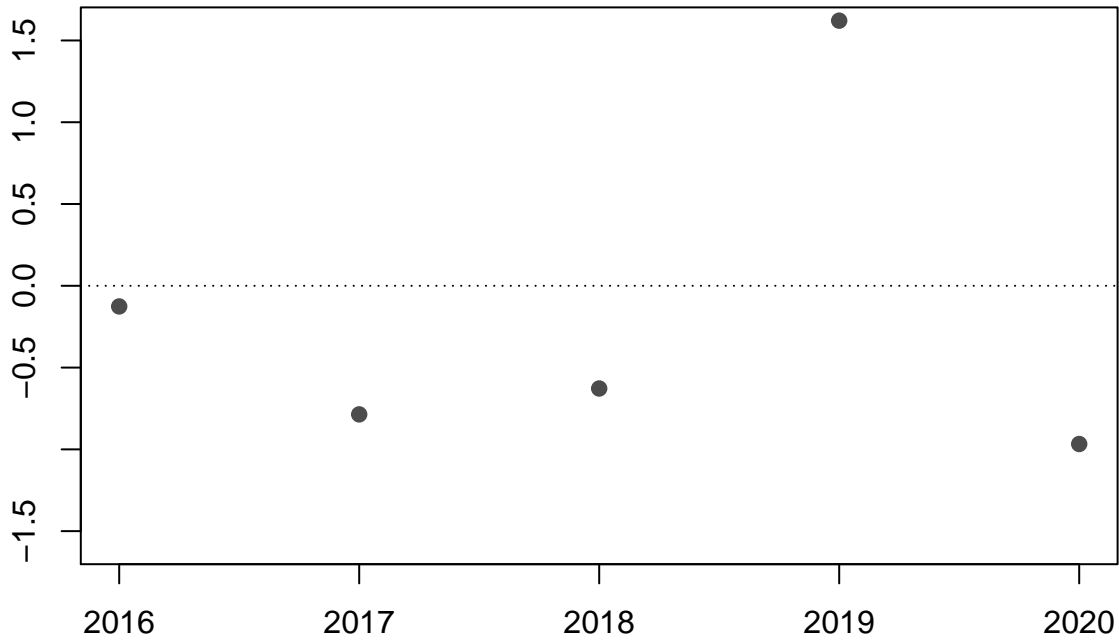






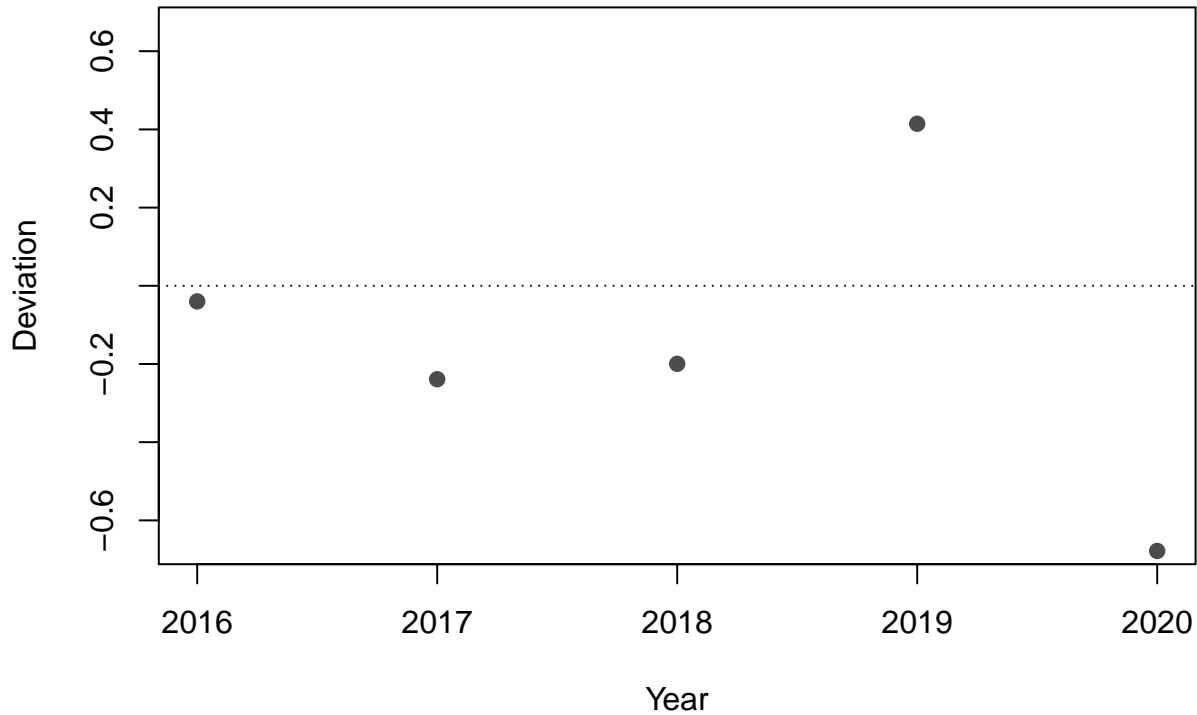


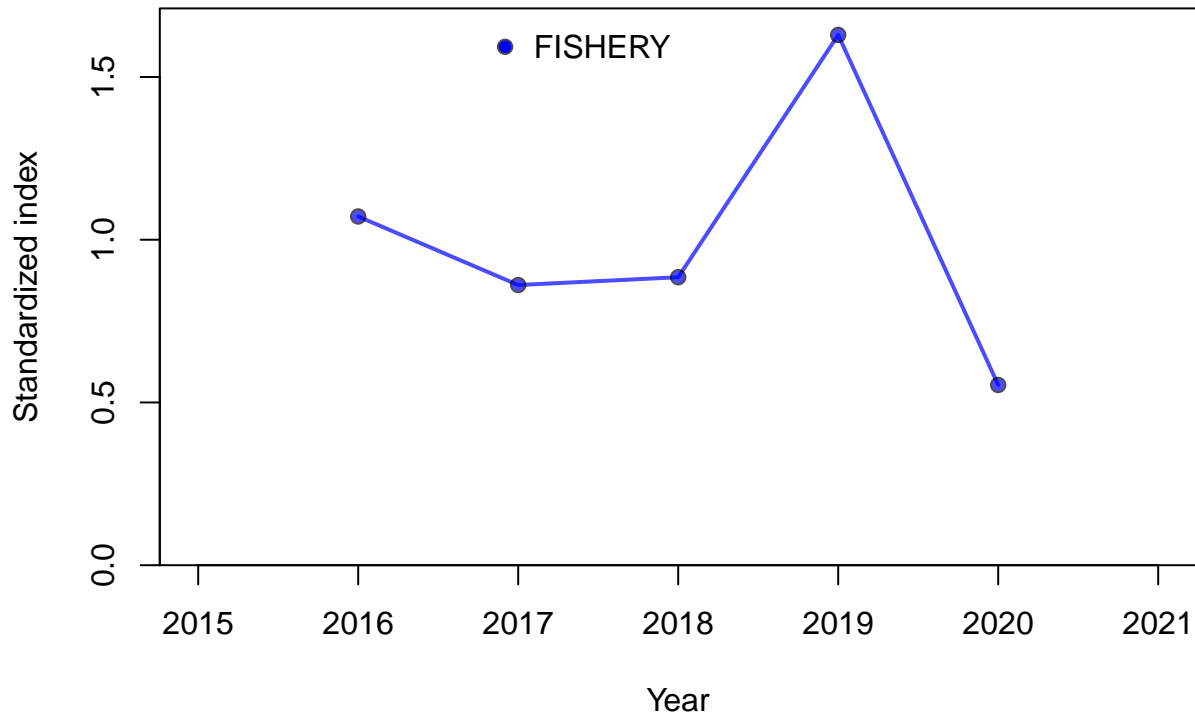
Residual



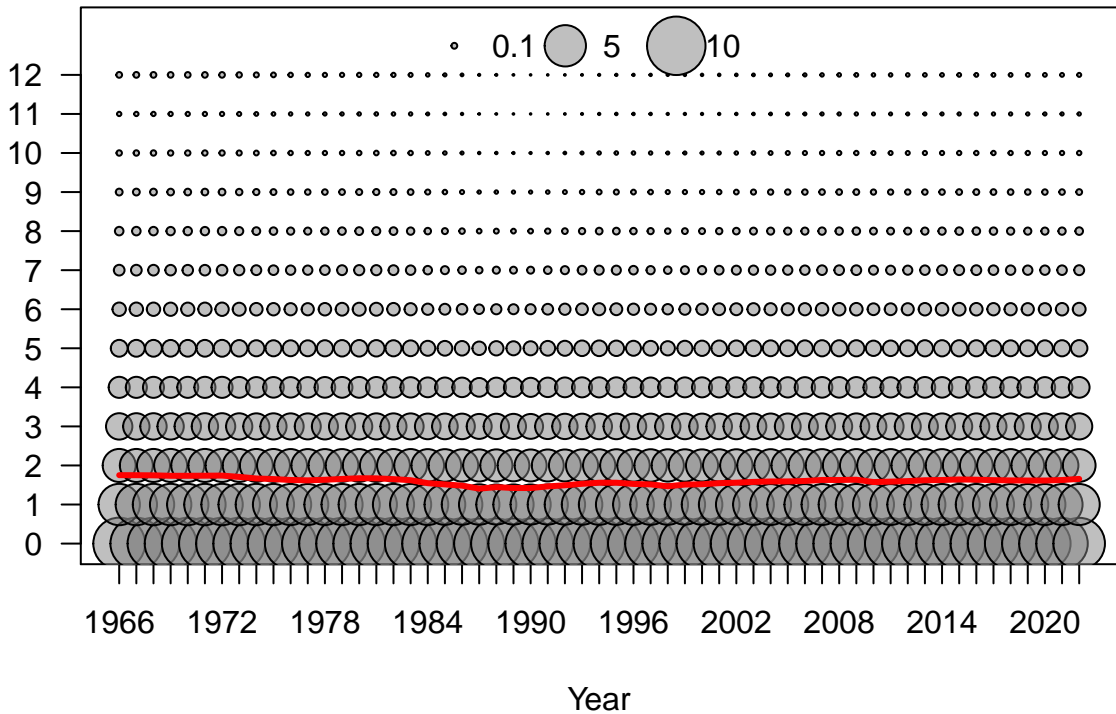
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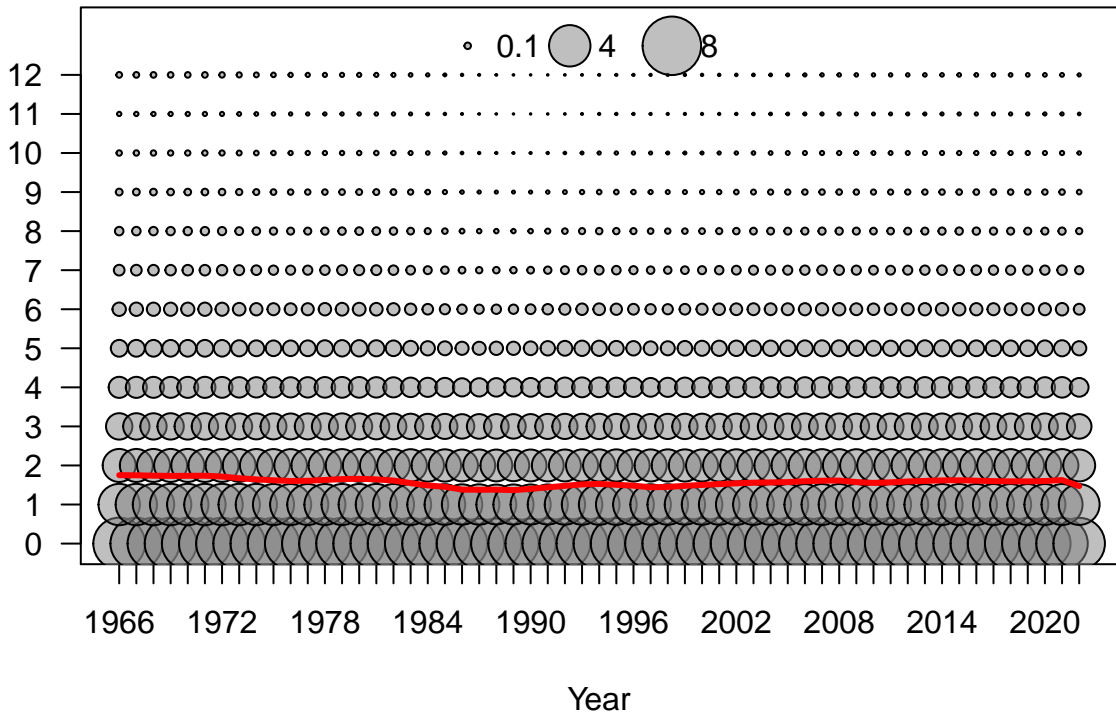


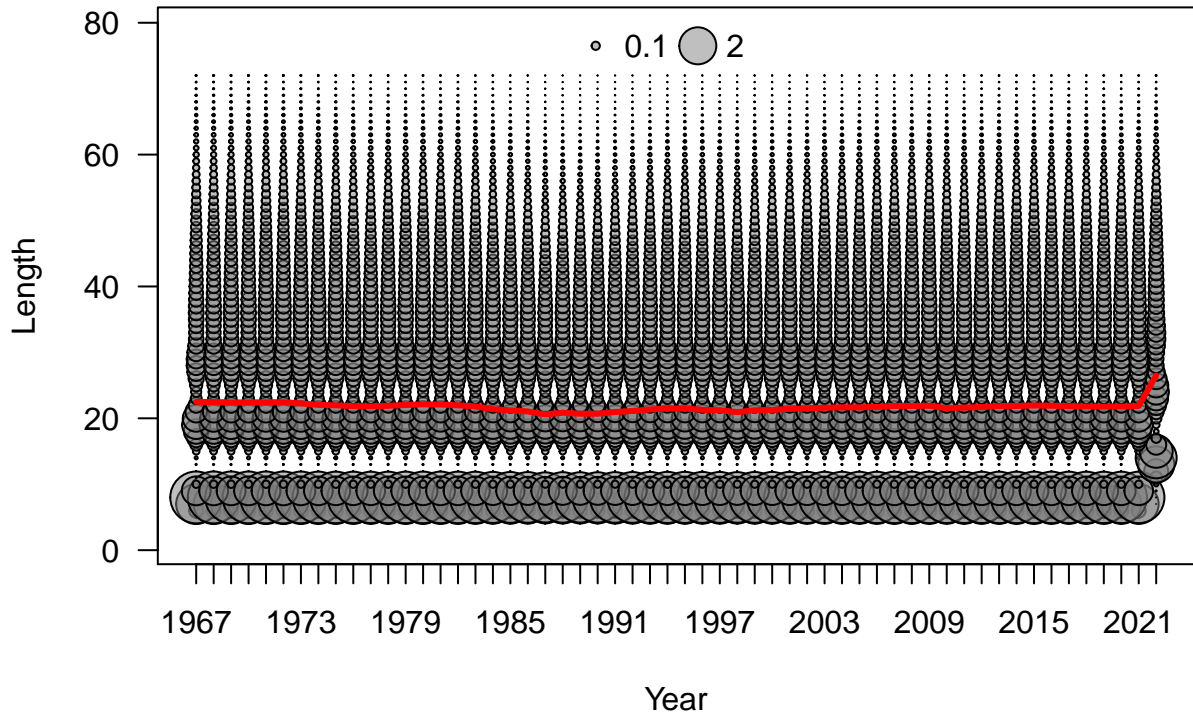


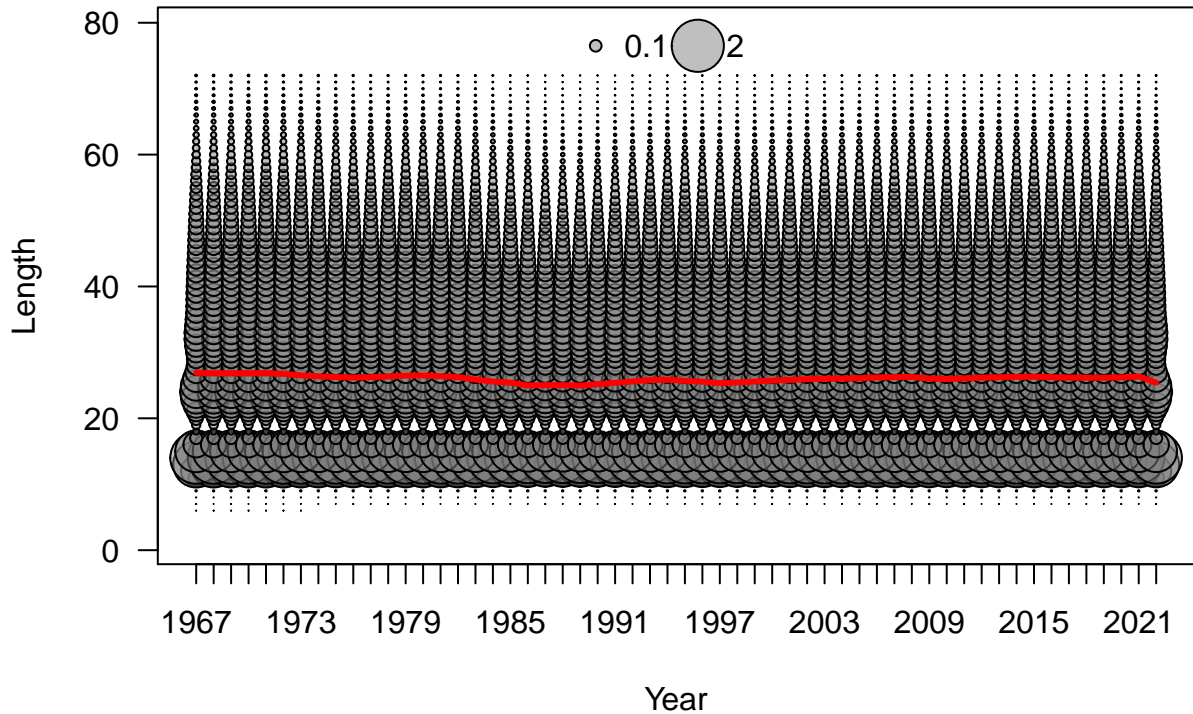
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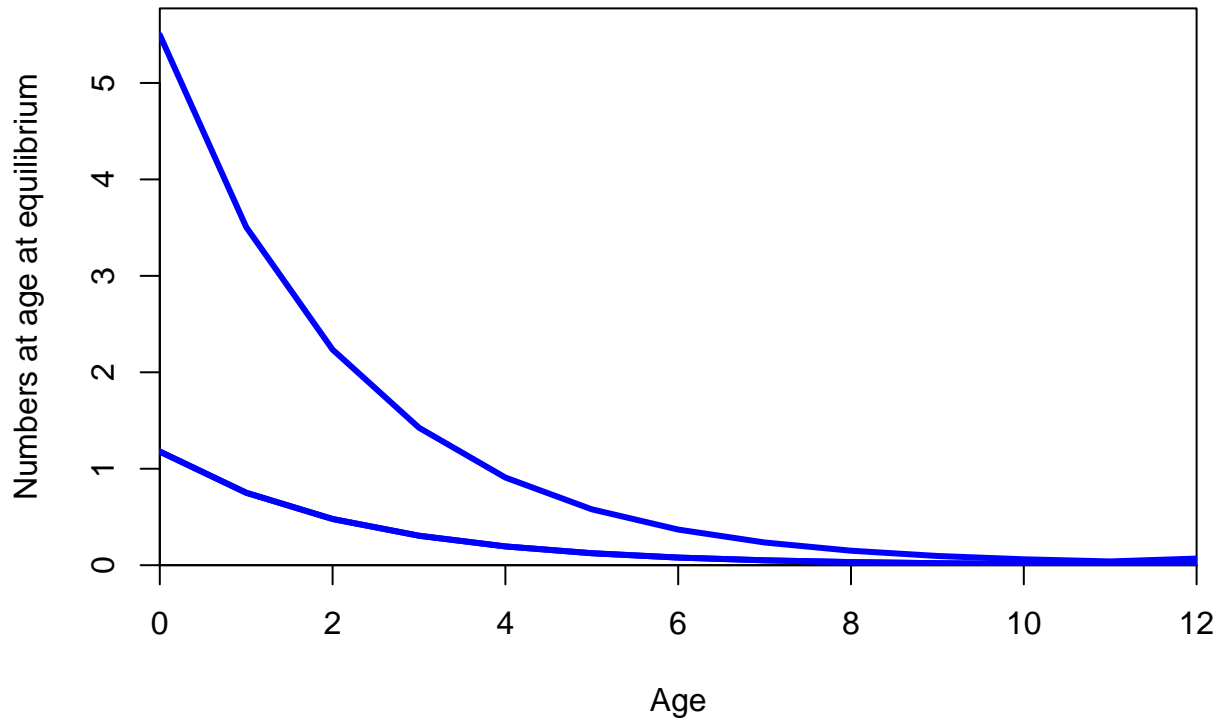


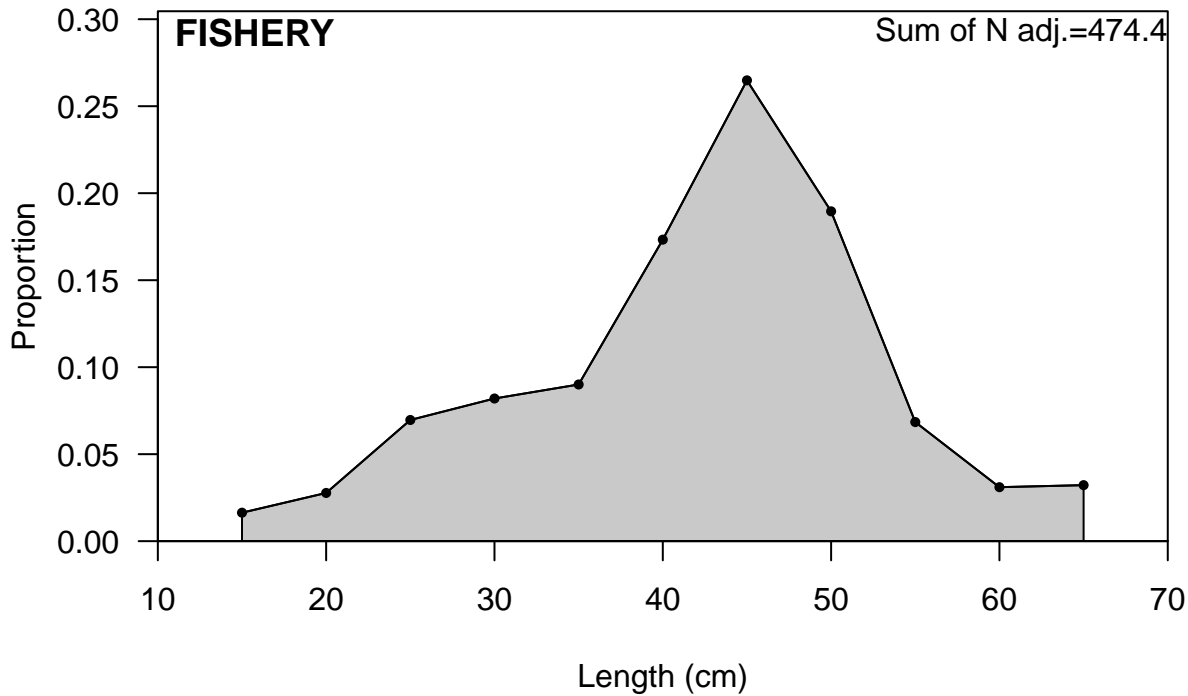
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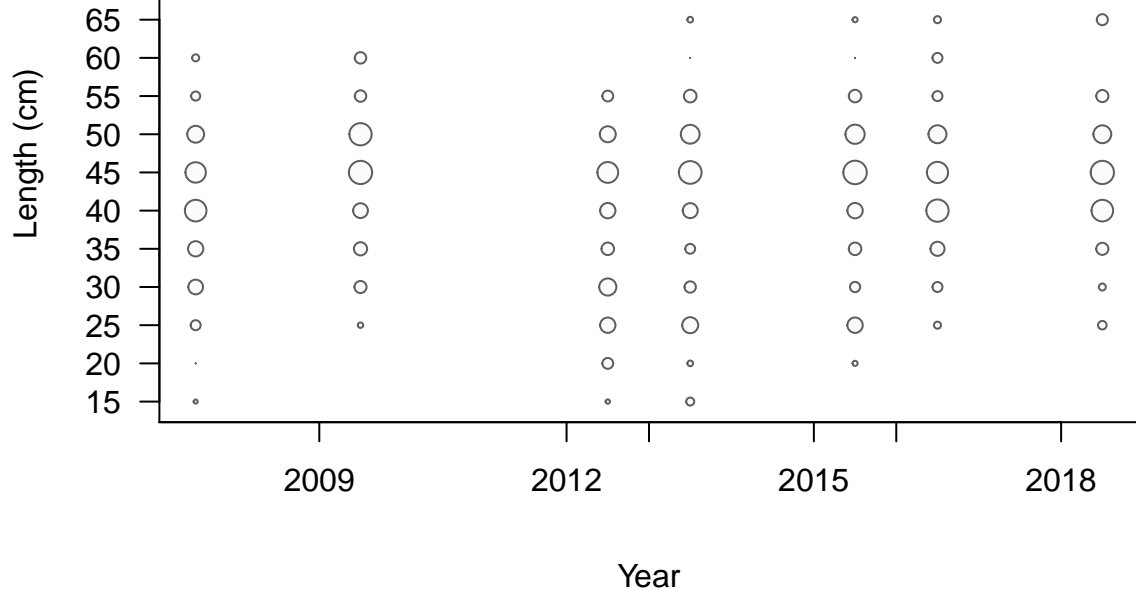




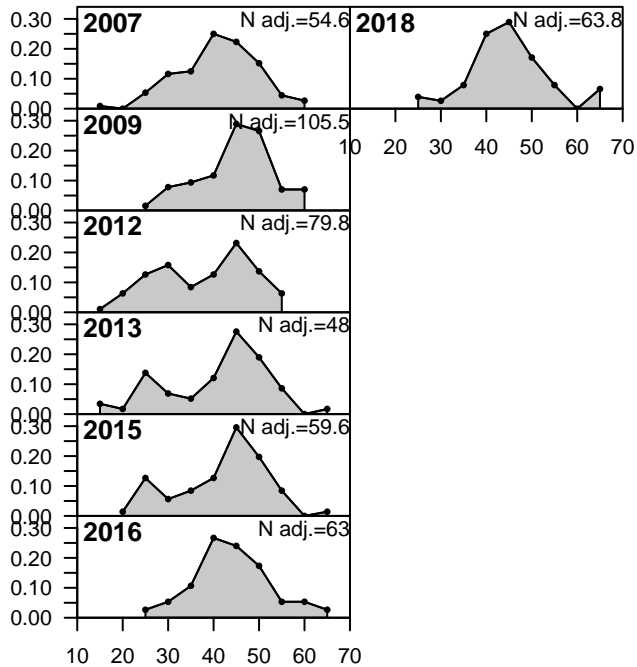


# FISHERY

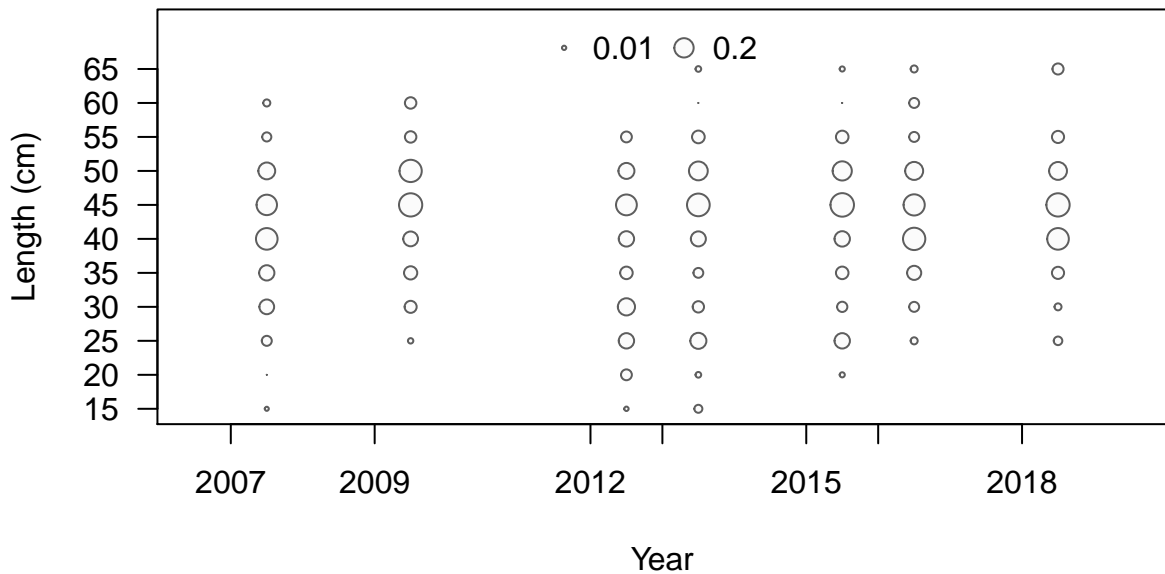
• 0.01 ○ 0.2



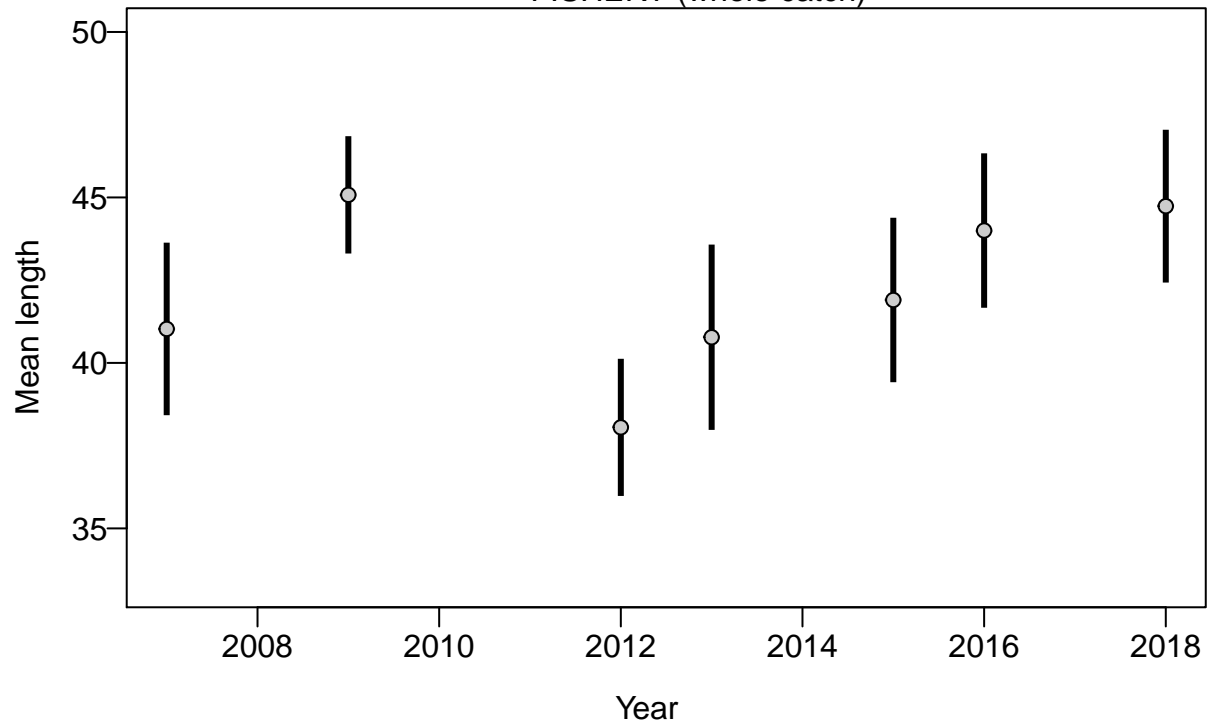
Proportion

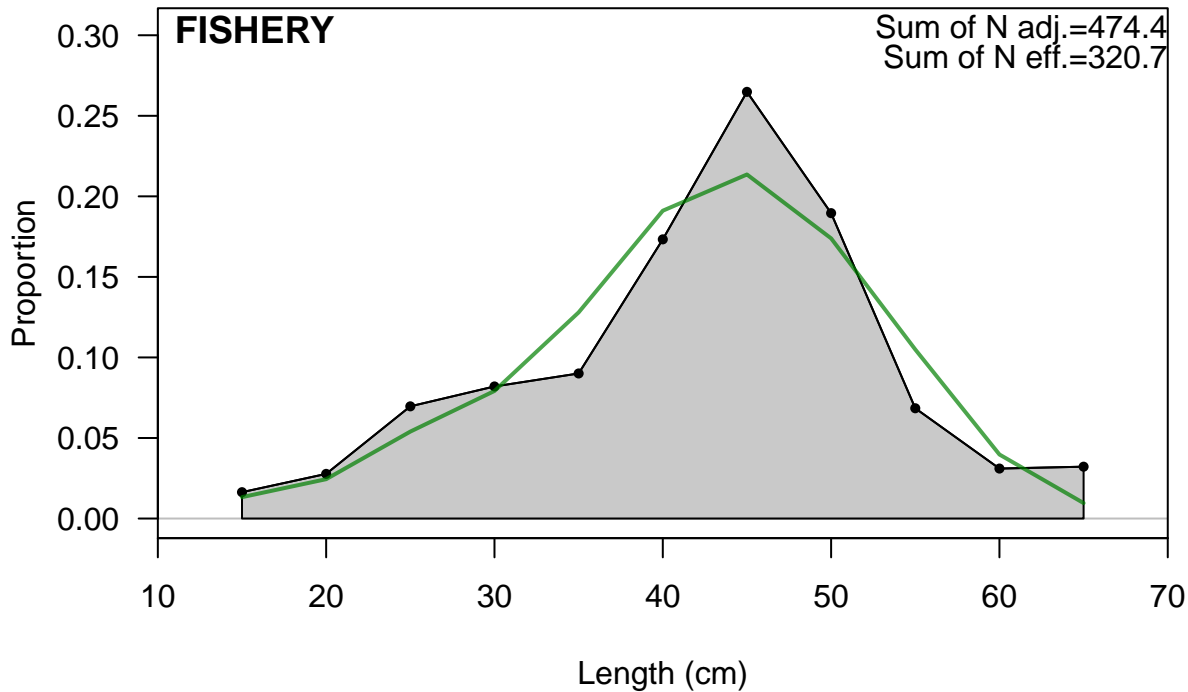


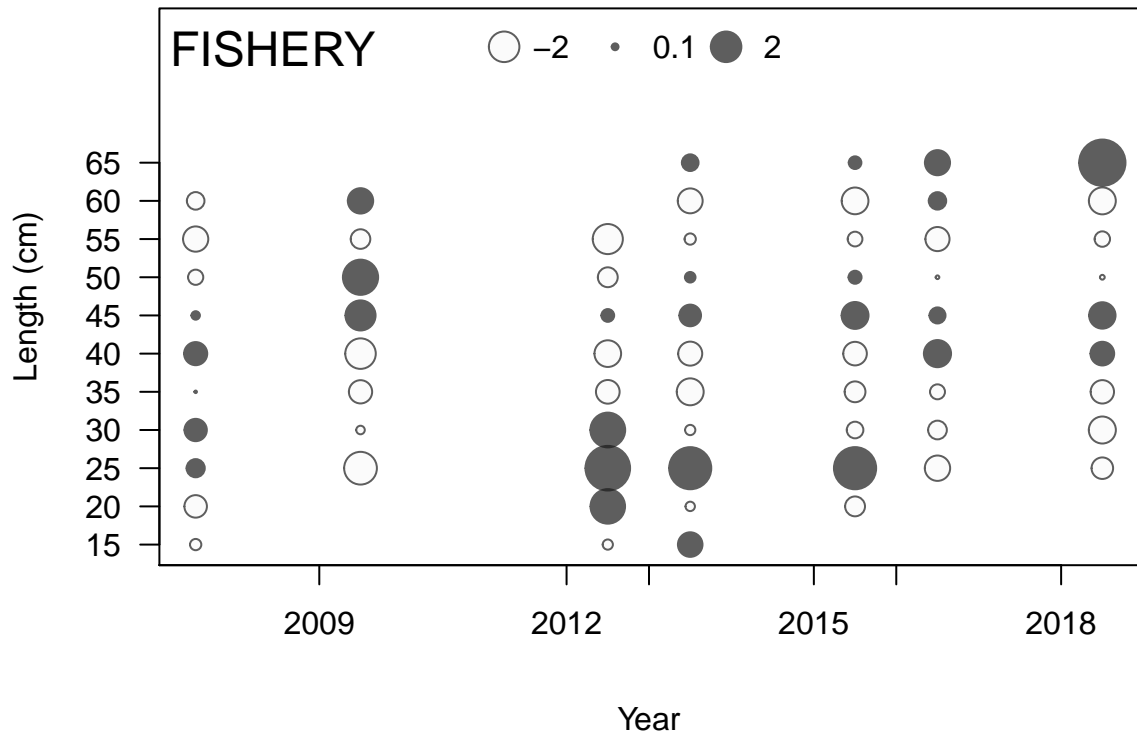
Length (cm)



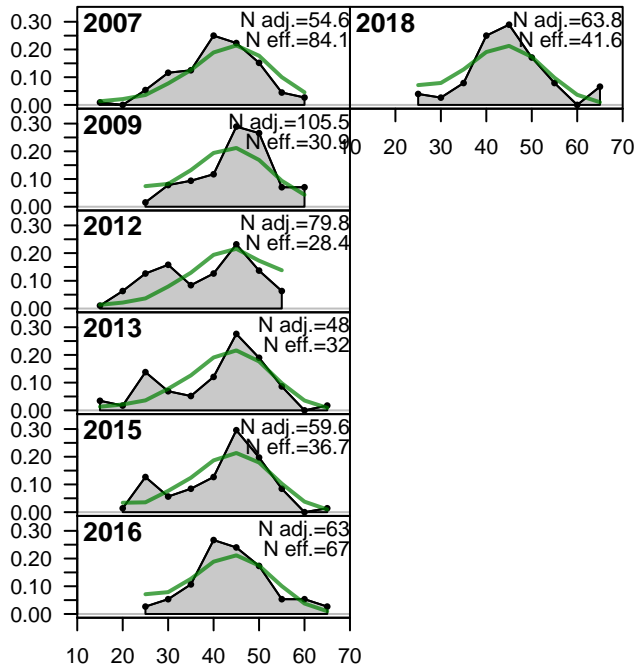
FISHERY (whole catch)



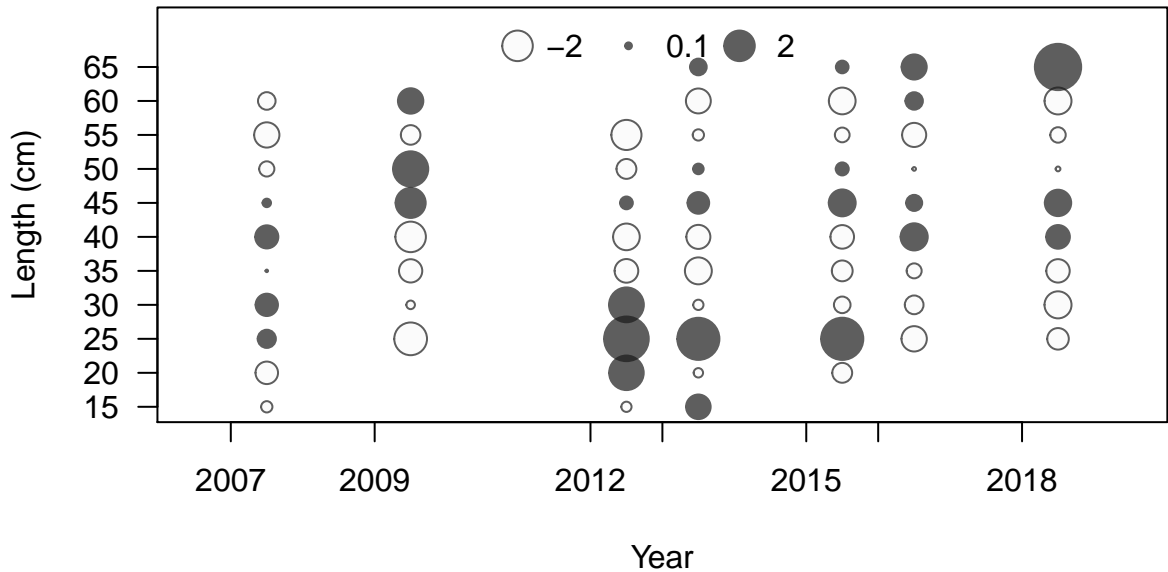




Proportion

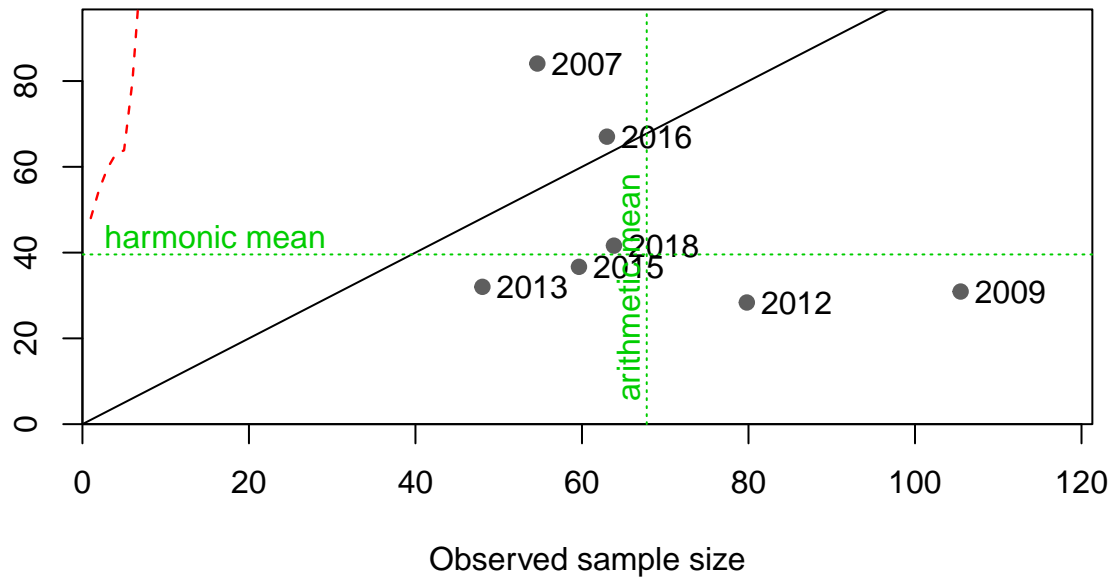


Length (cm)

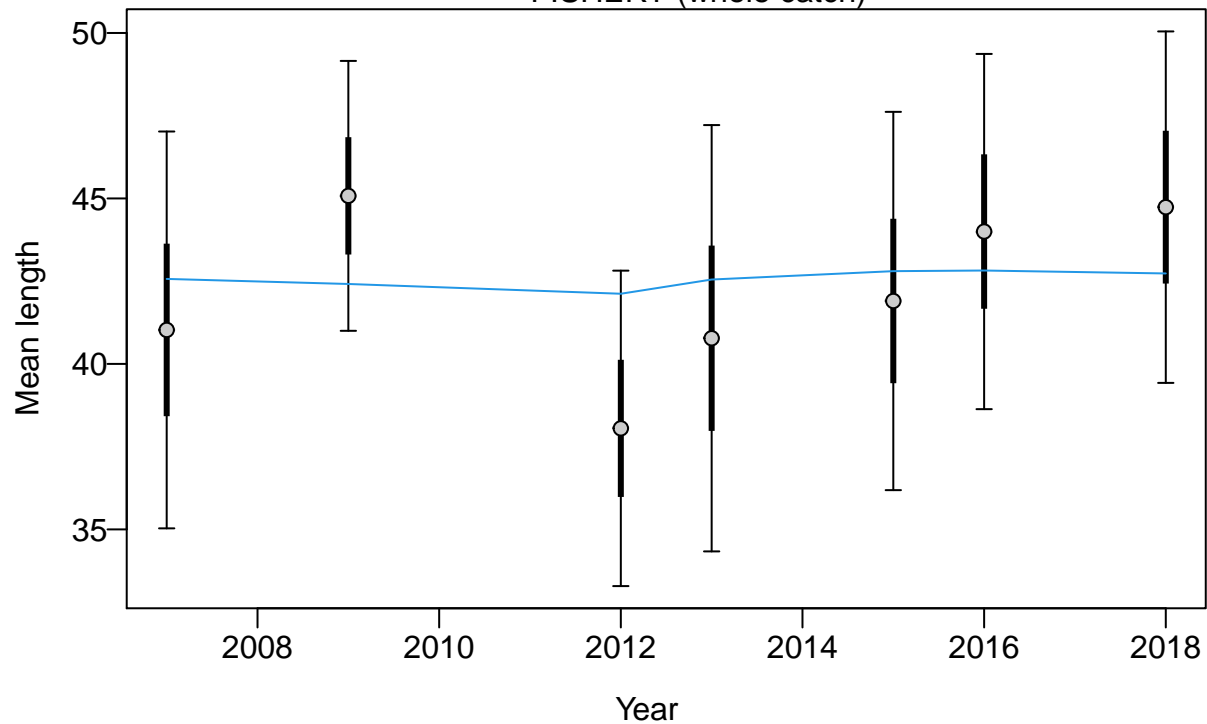


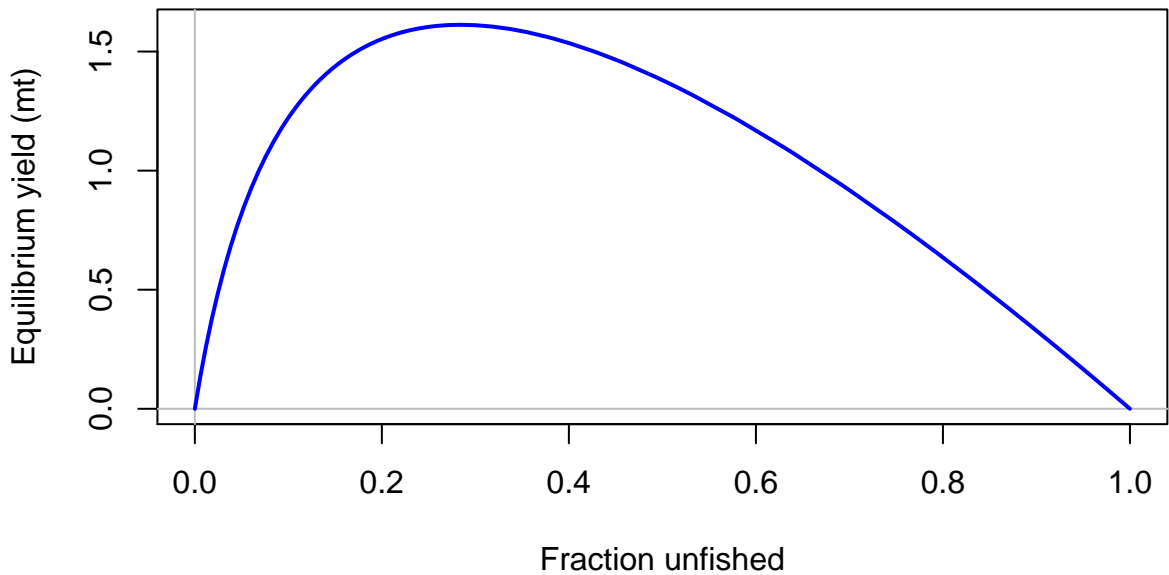


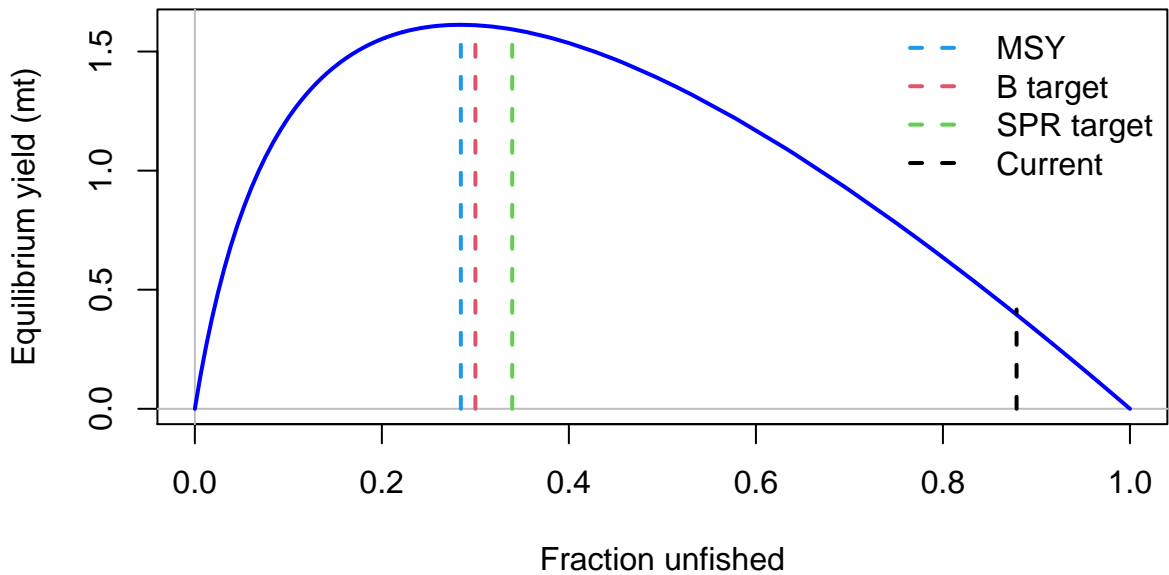
Effective sample size

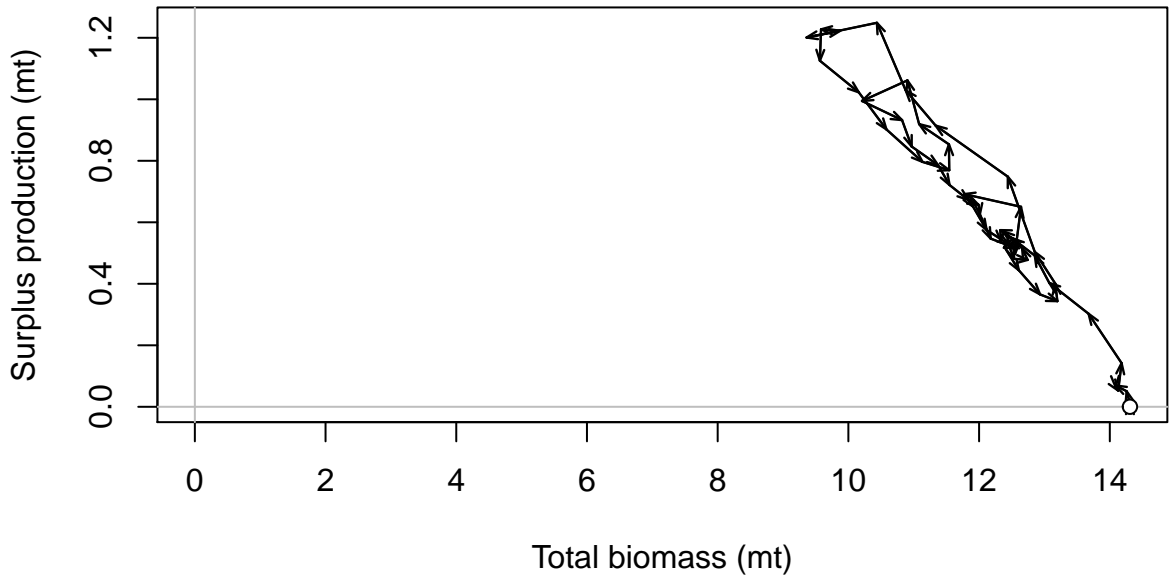


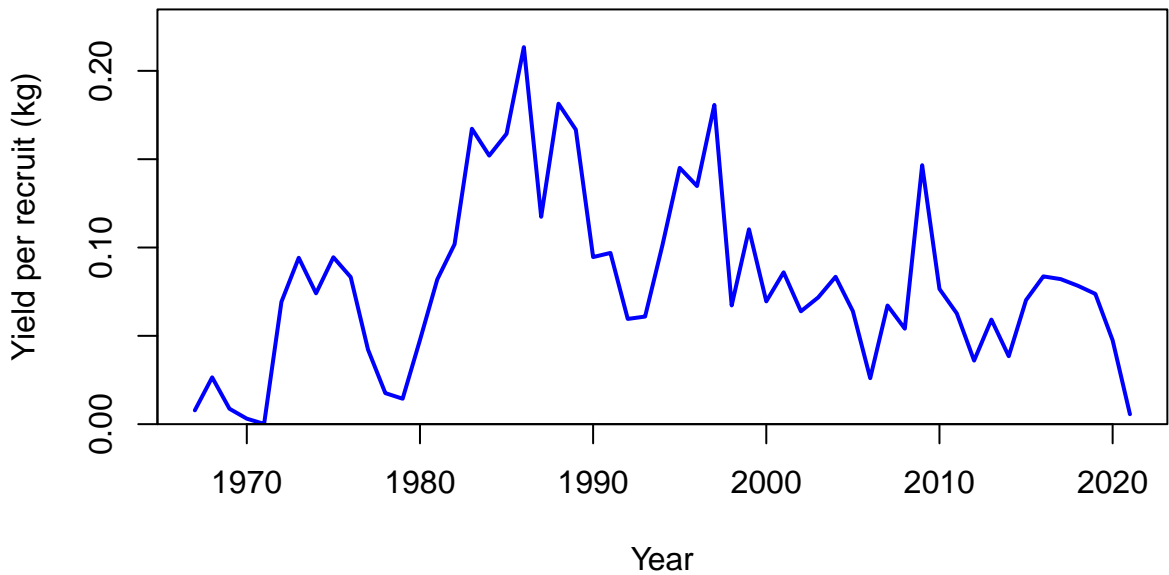
FISHERY (whole catch)

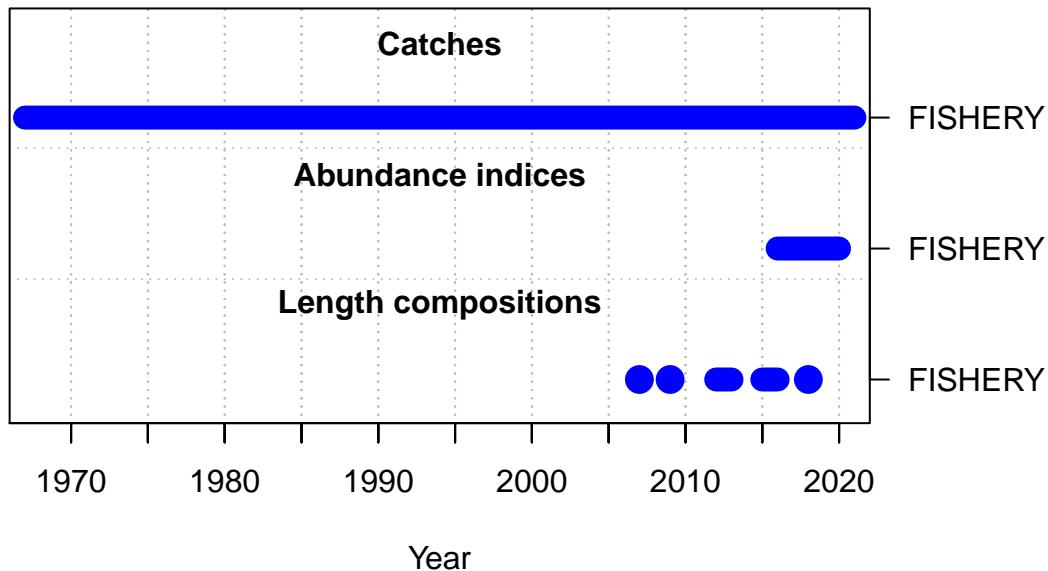


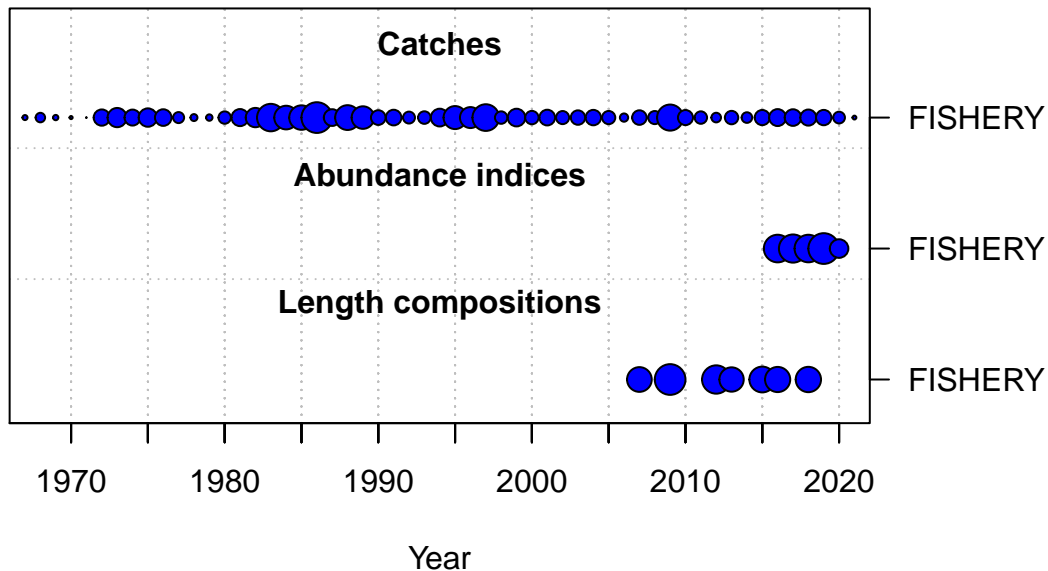






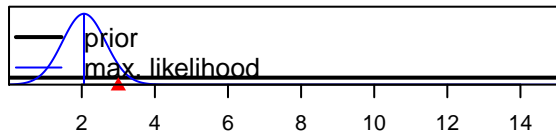




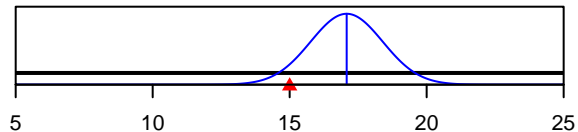




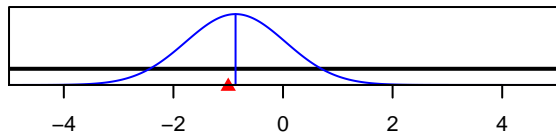
SR\_LN(R0)



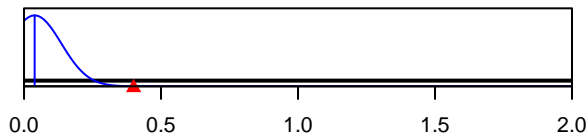
Size\_95%width\_FISHERY(1)



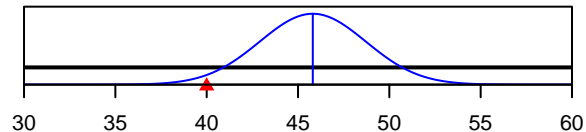
LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Parameter value