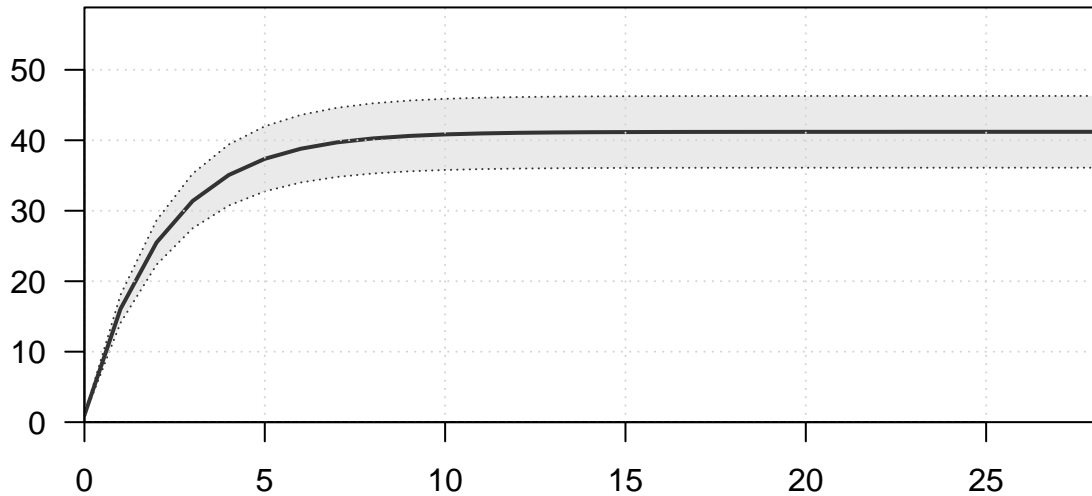


Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Feb 14 12:55:20 2023
Data_File: data.ss
Control_File: control.ss

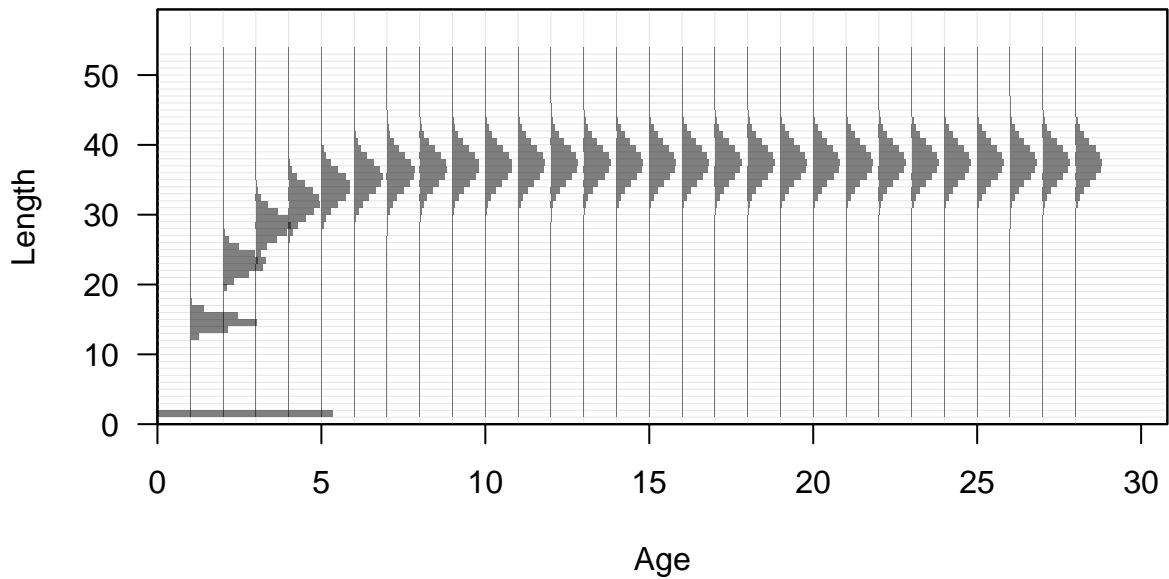
Length (cm, beginning of the year)



Age (yr)

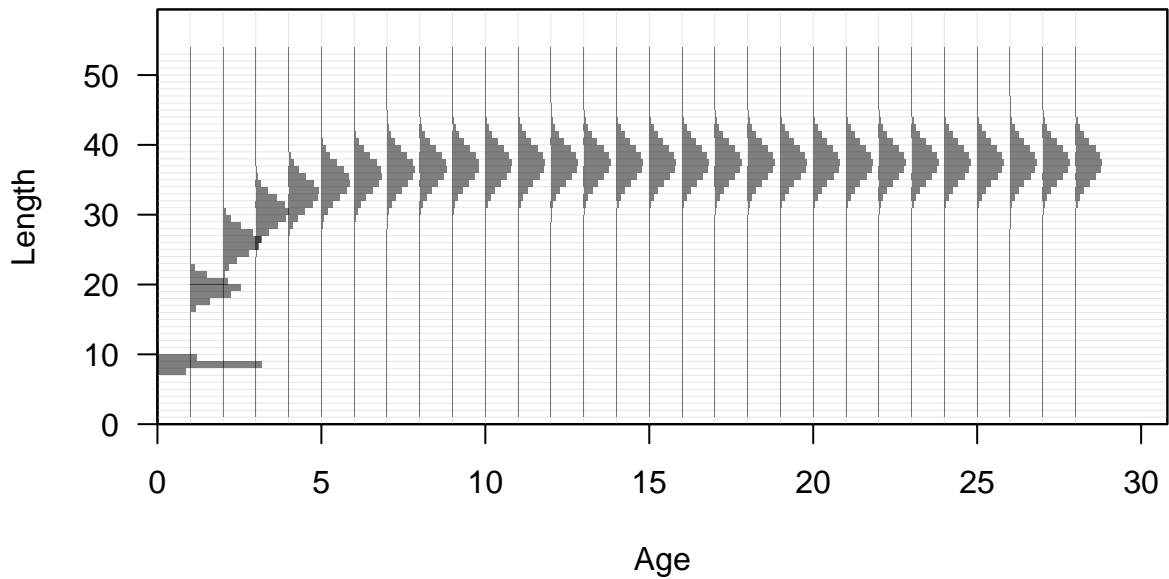








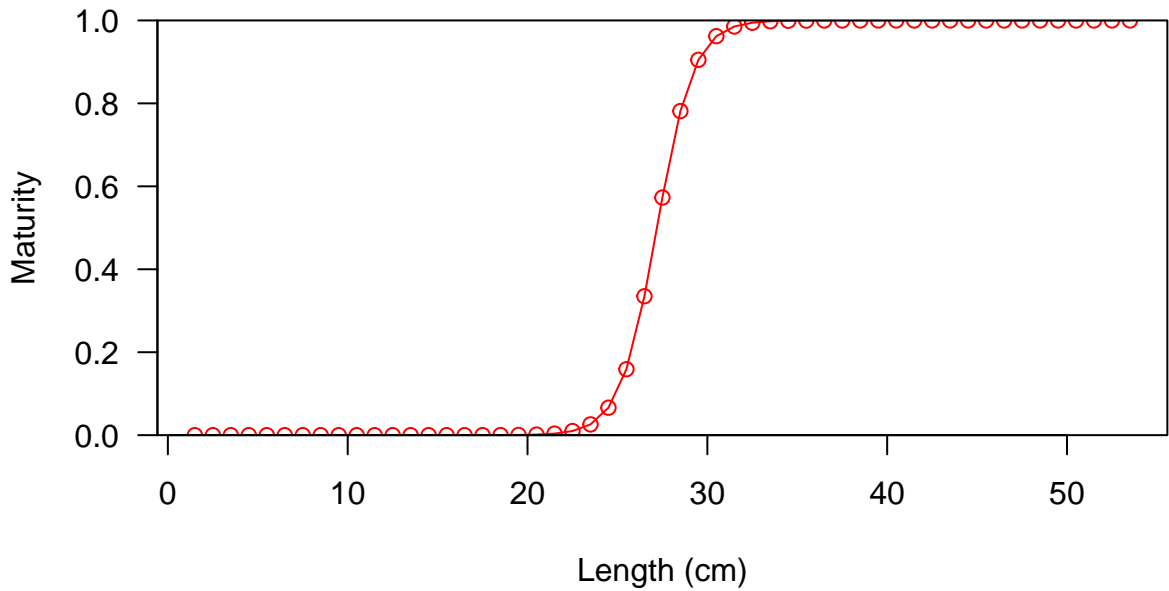












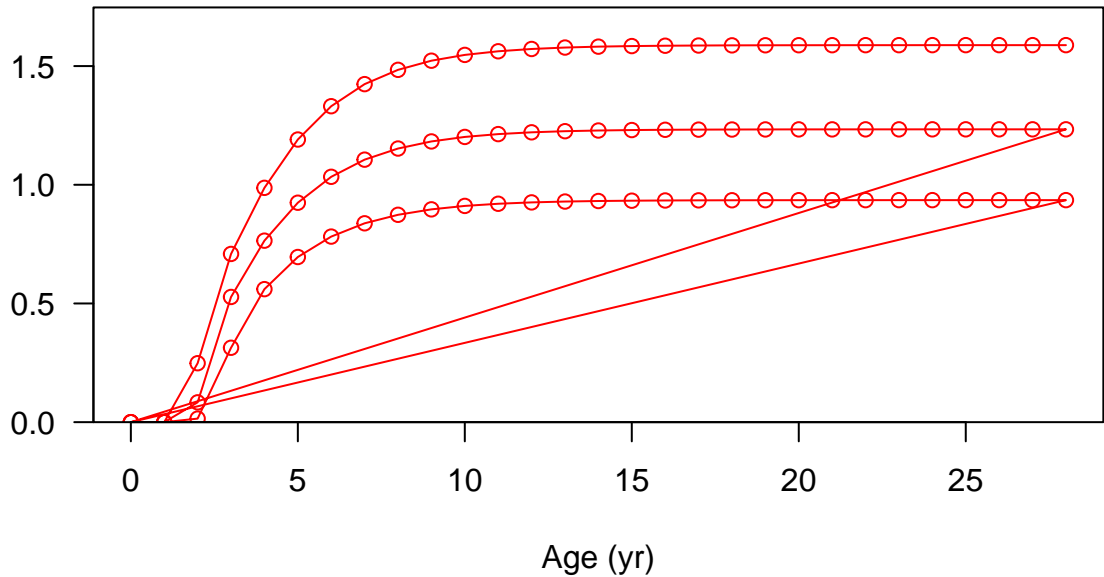




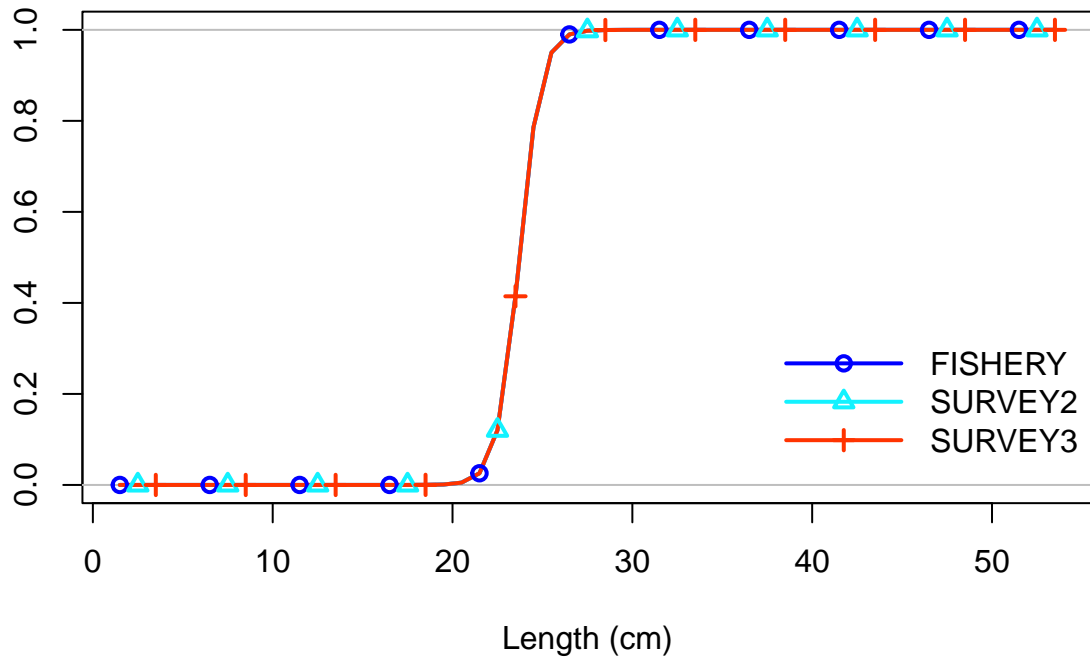




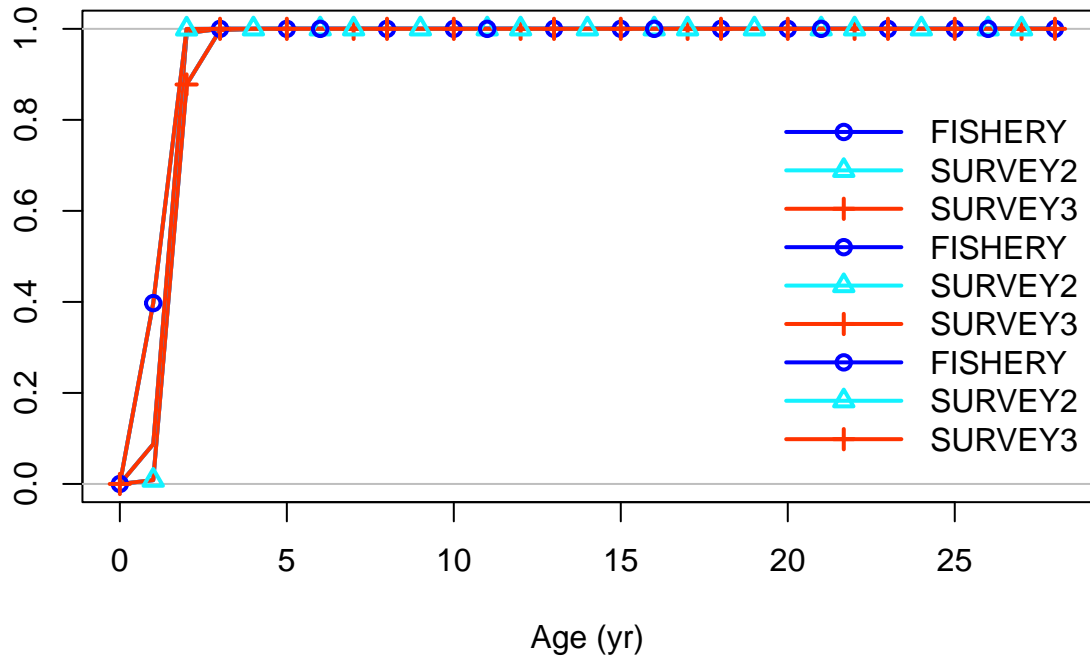
Spawning output



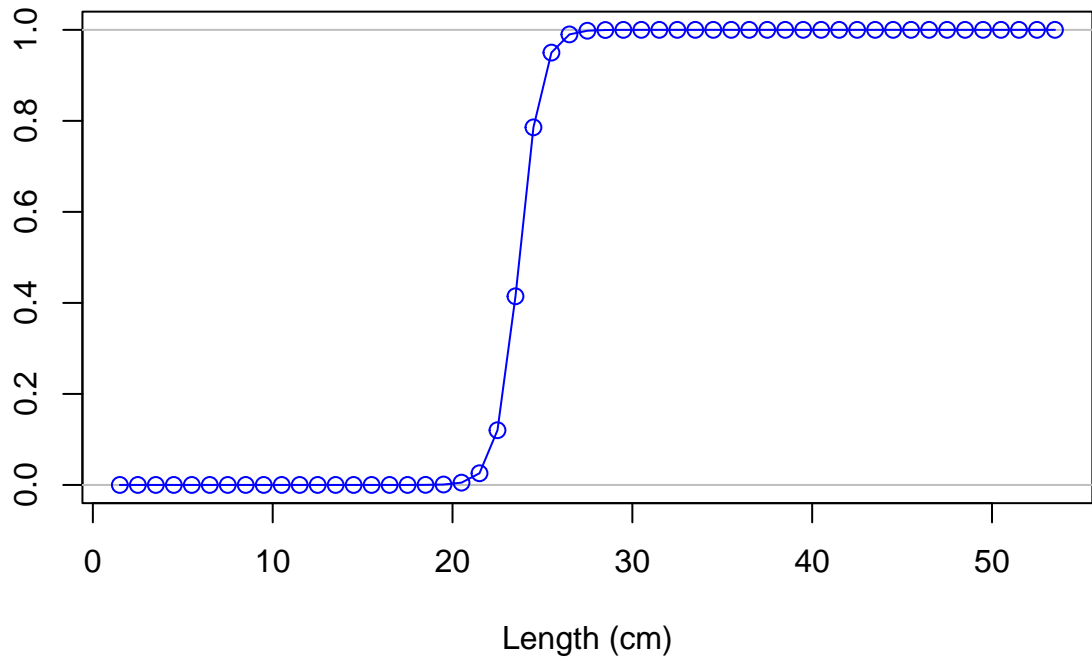
Selectivity



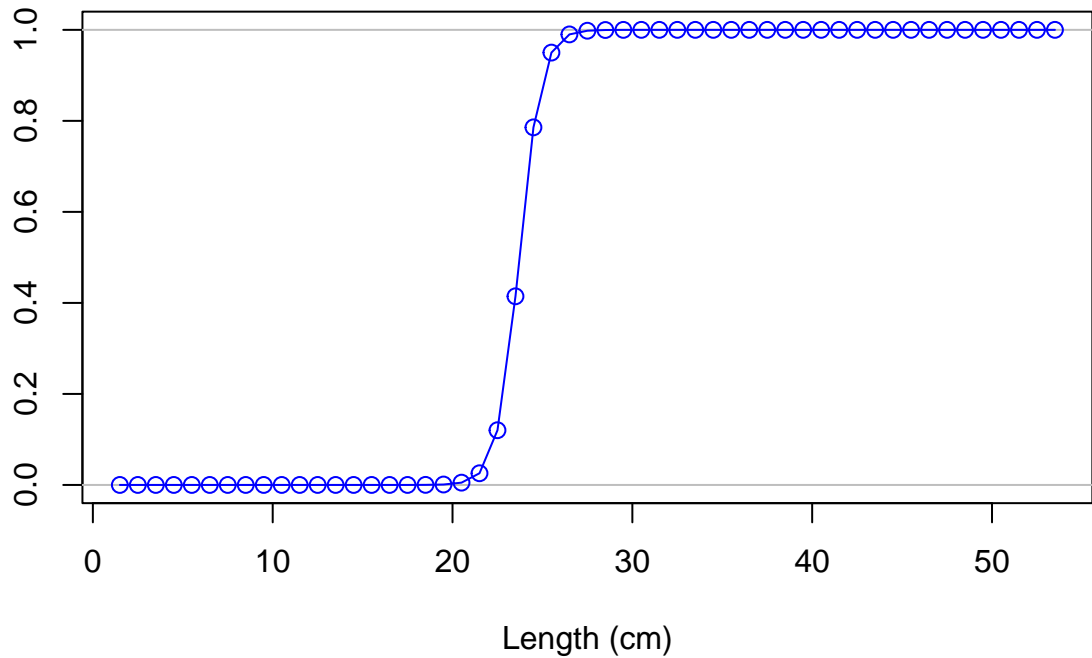
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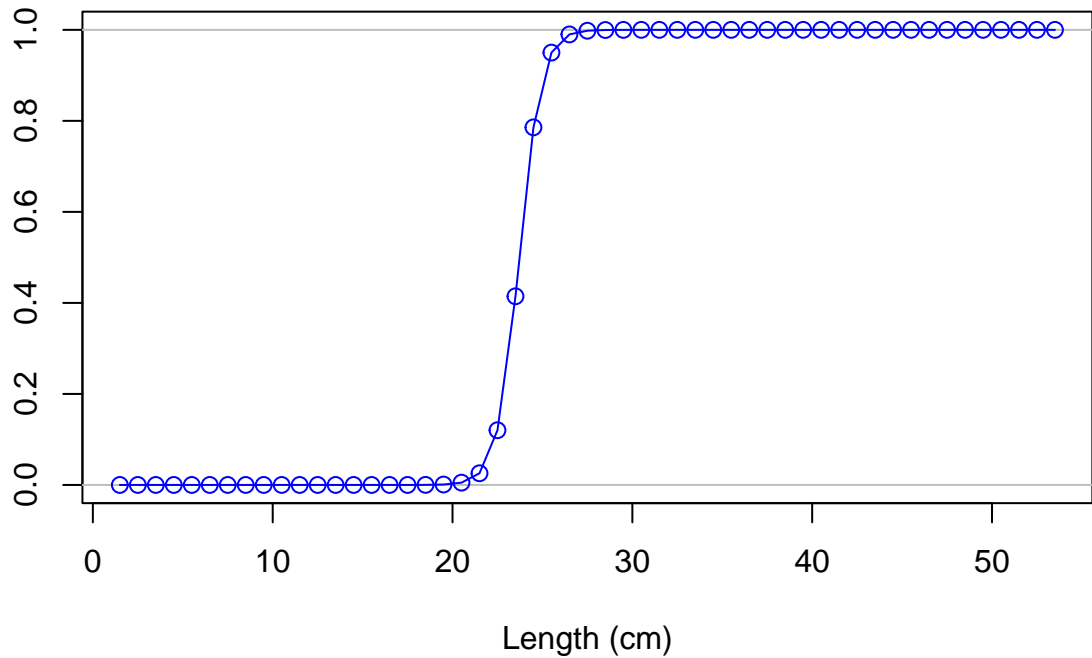
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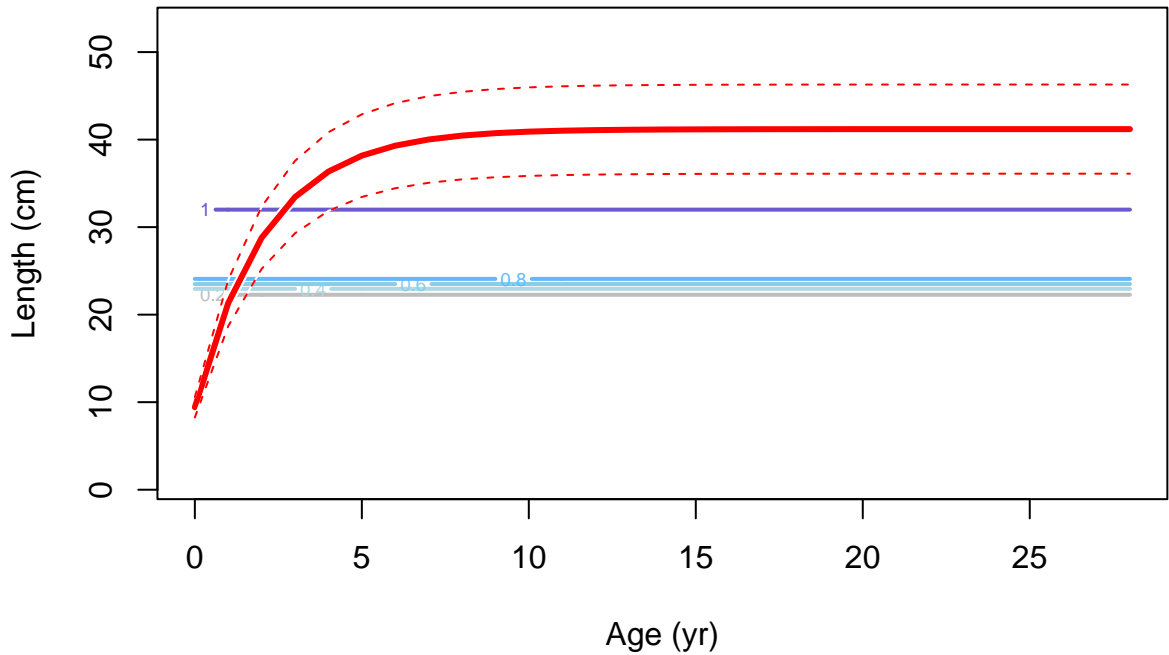


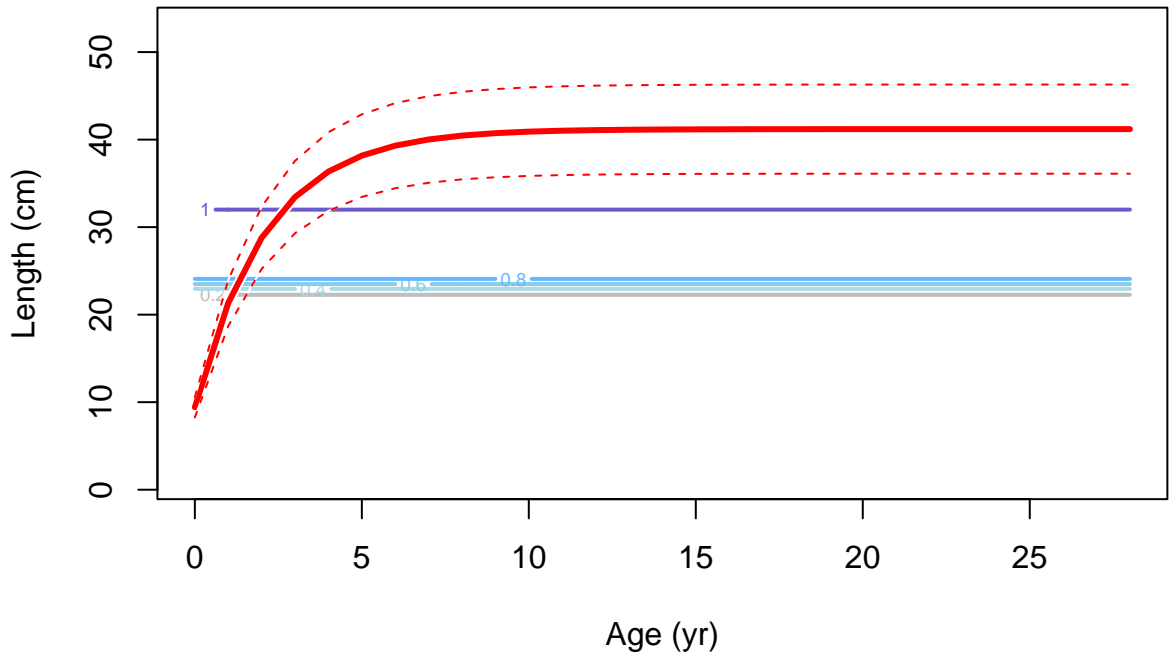
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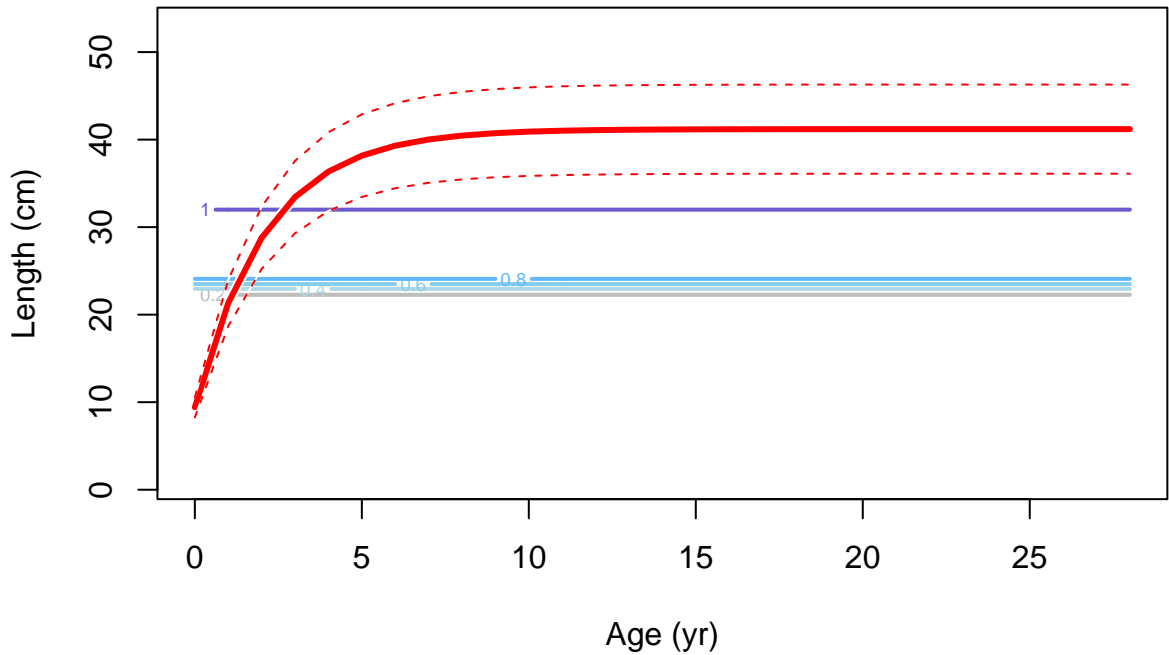


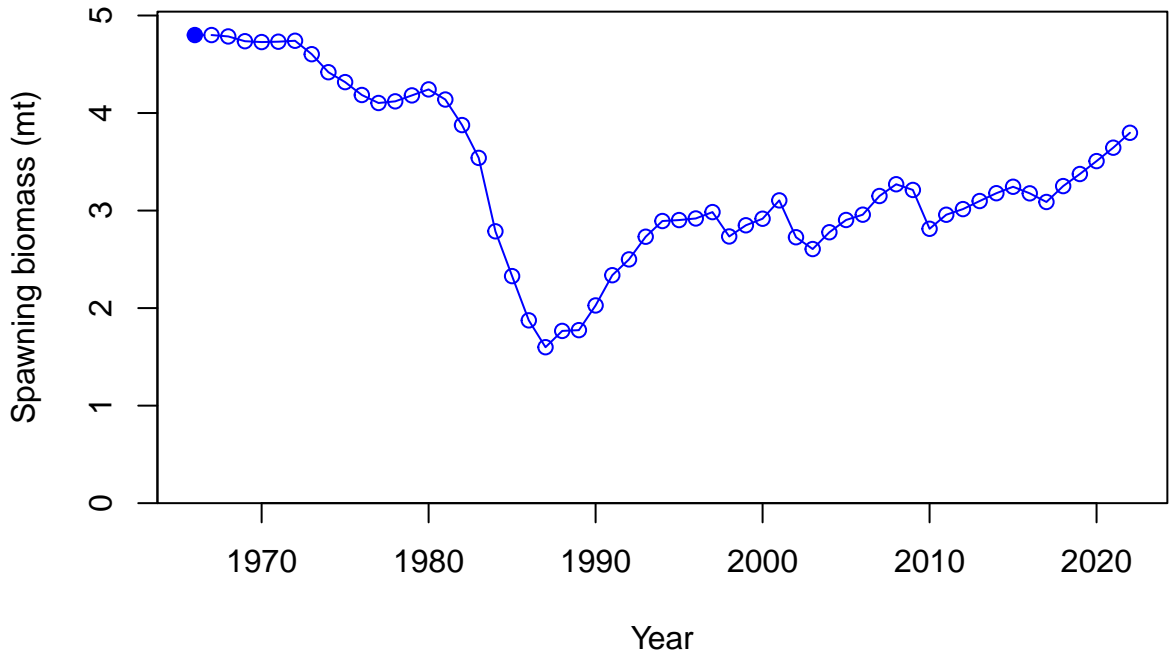
Selectivity



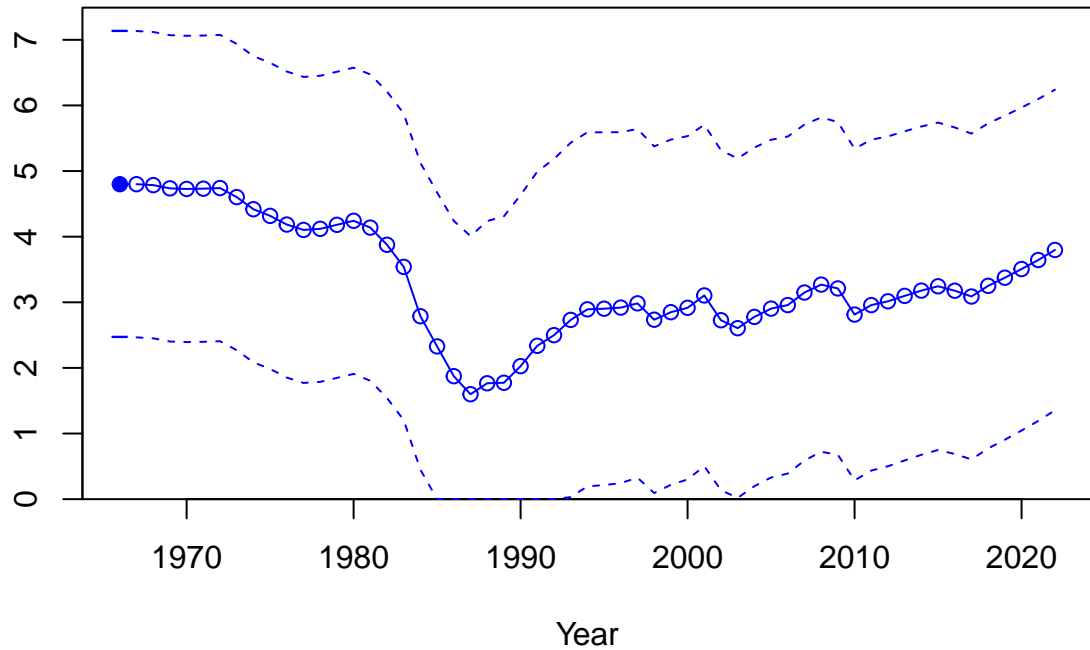




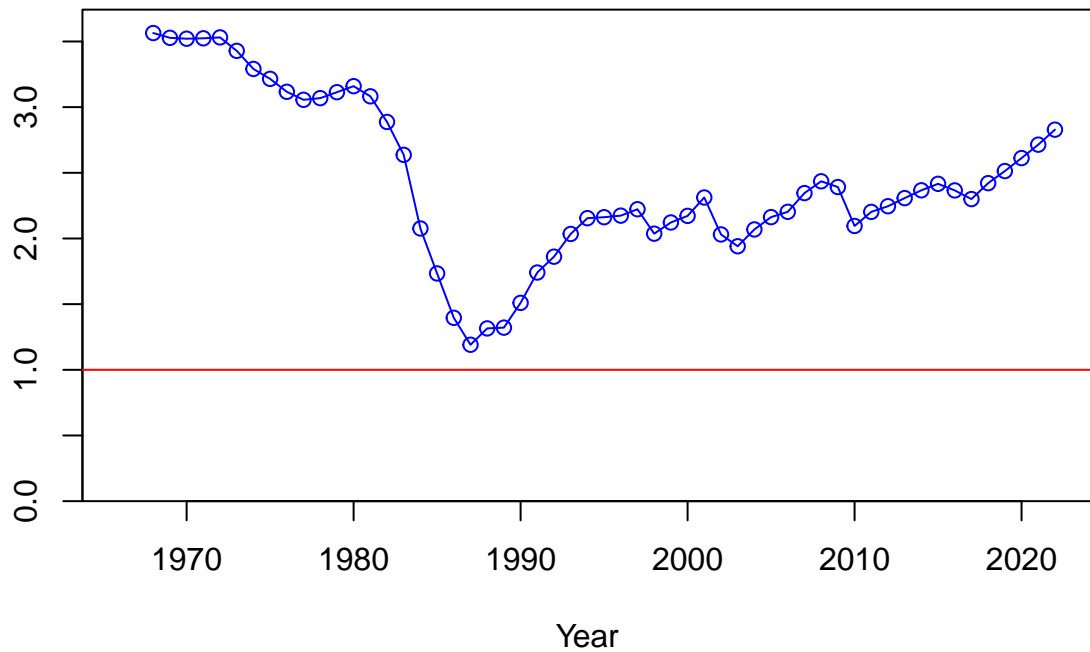




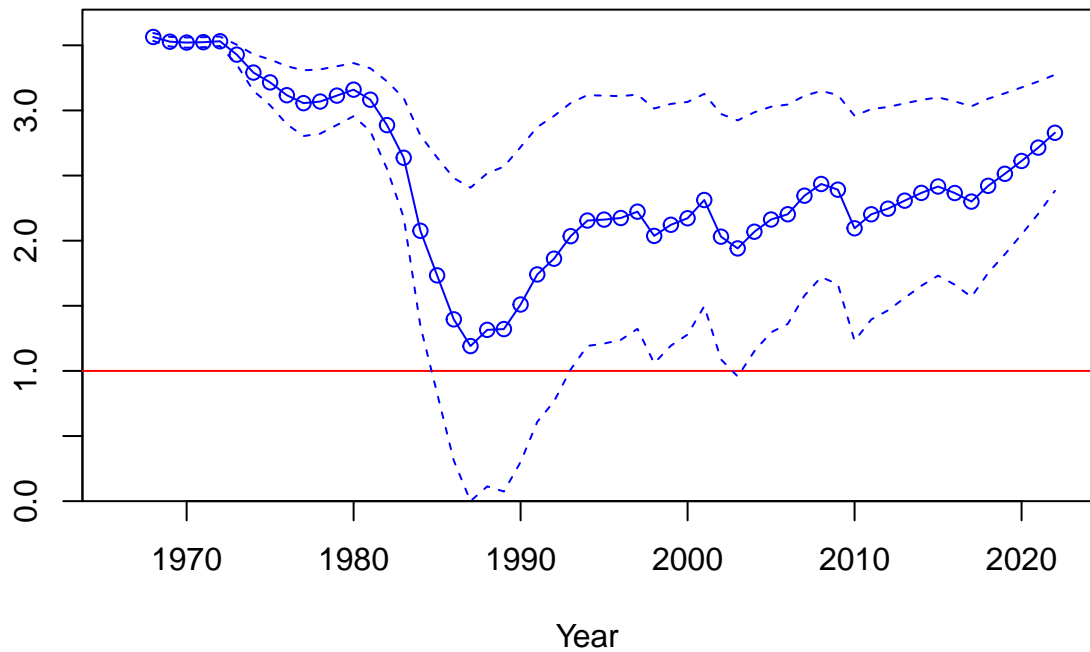
Spawning biomass (mt)

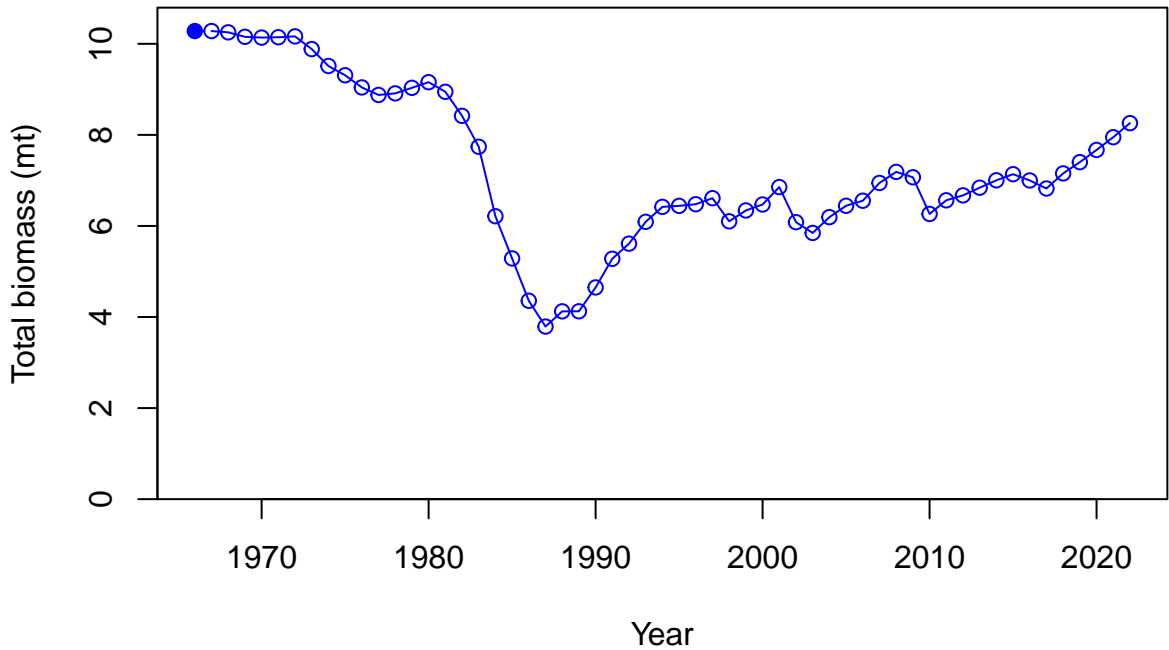


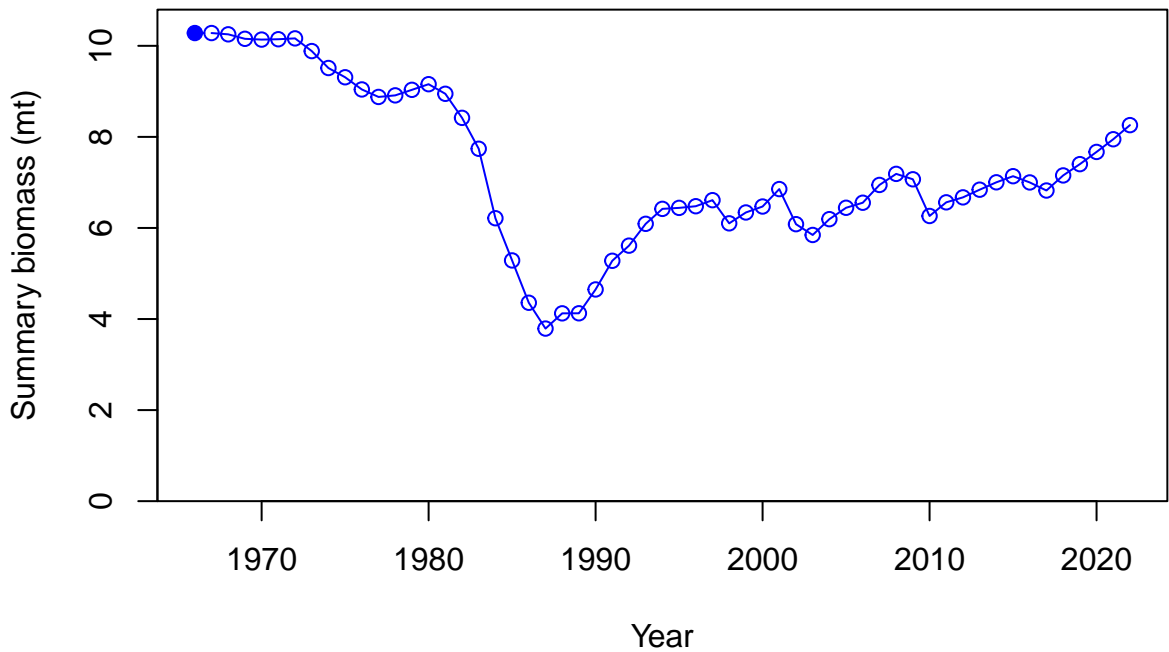
Relative spawning biomass: B/B_{MSY}

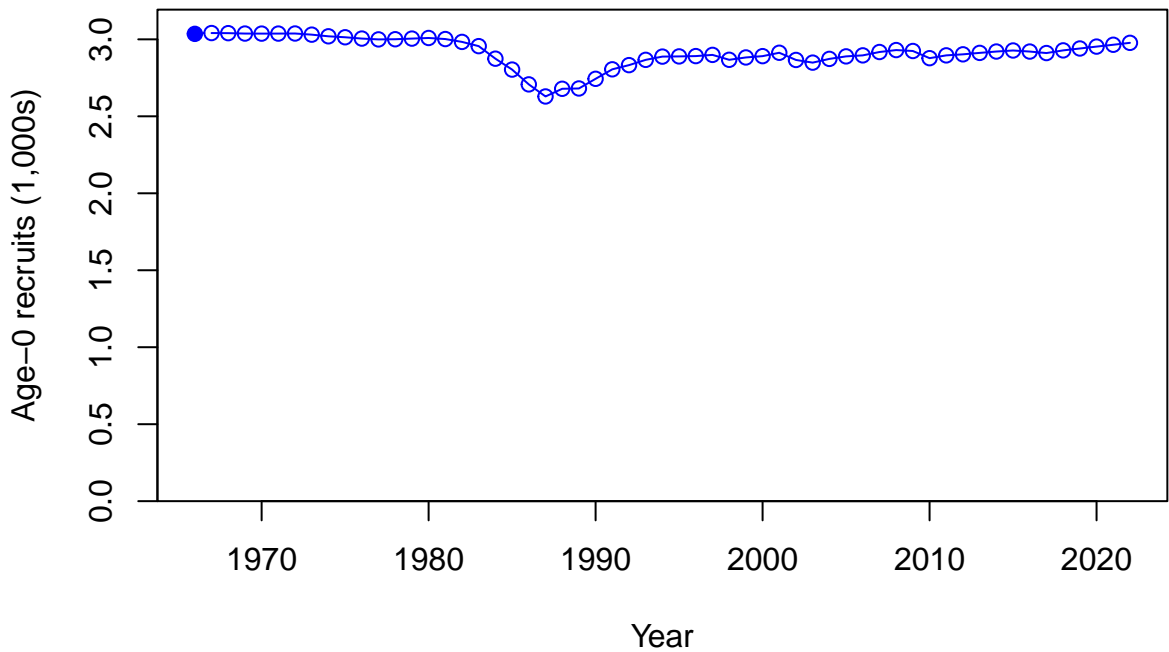


Relative spawning biomass: B/B_{MSY}

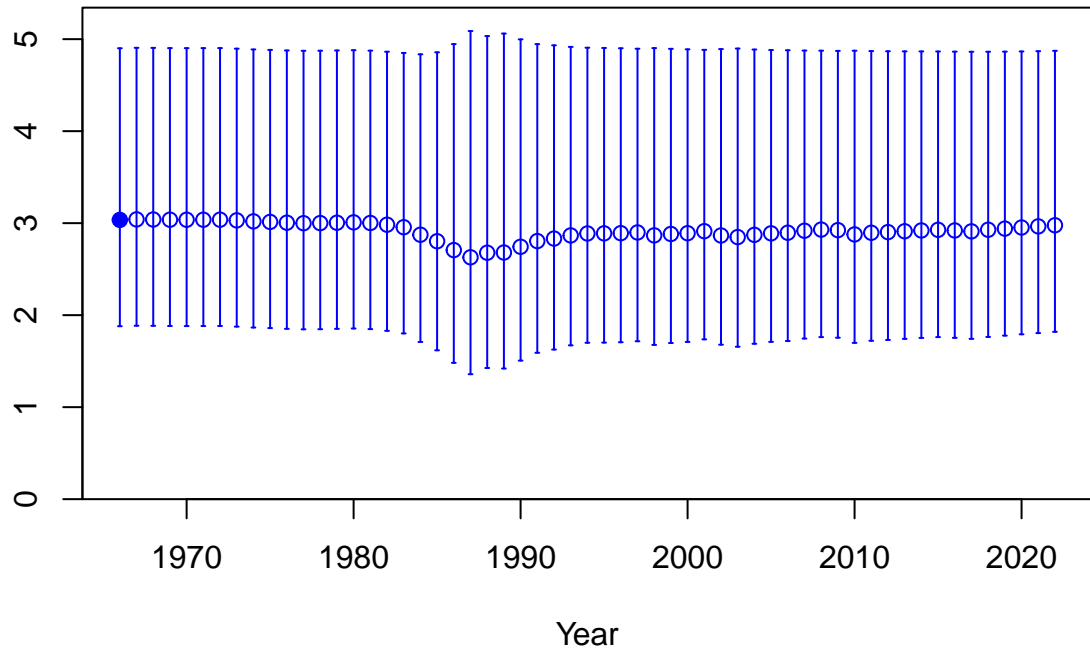




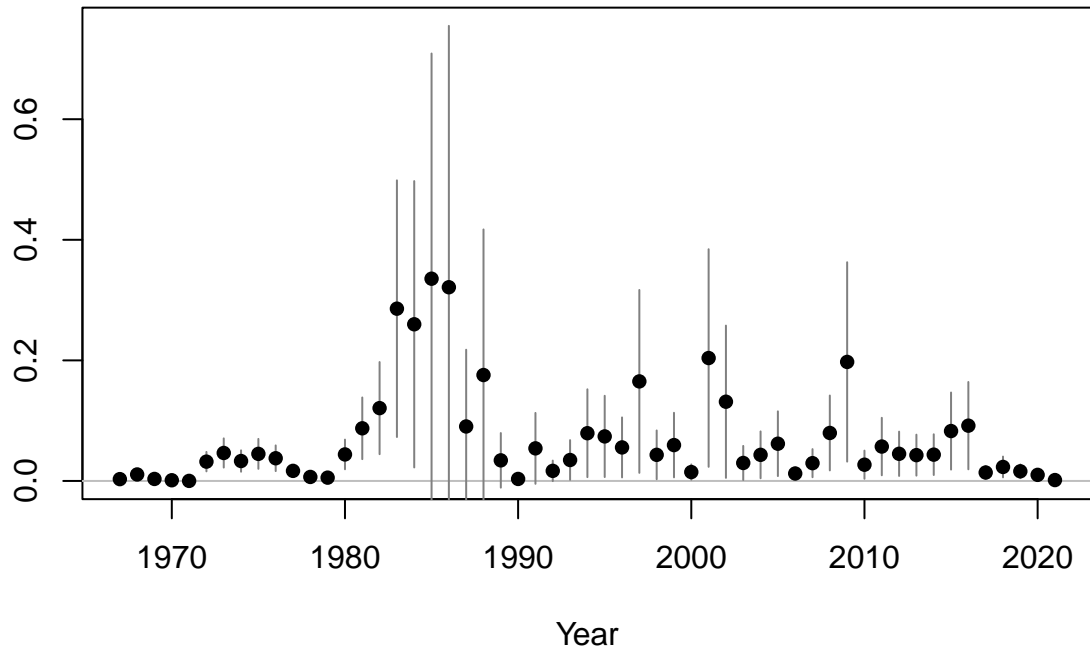


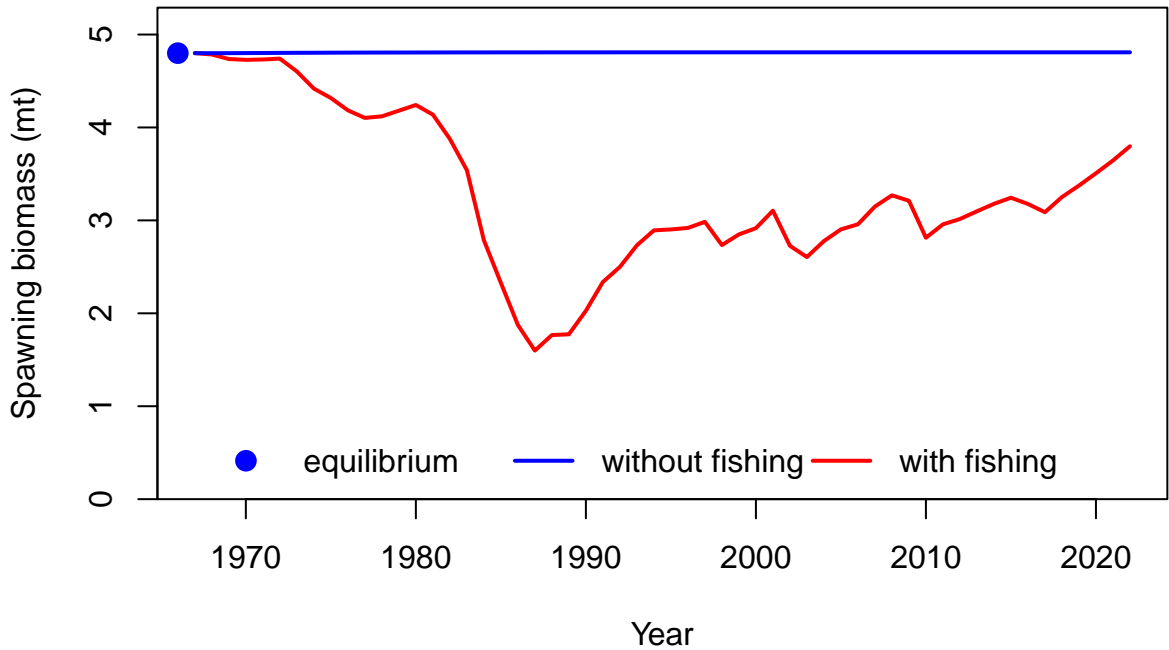


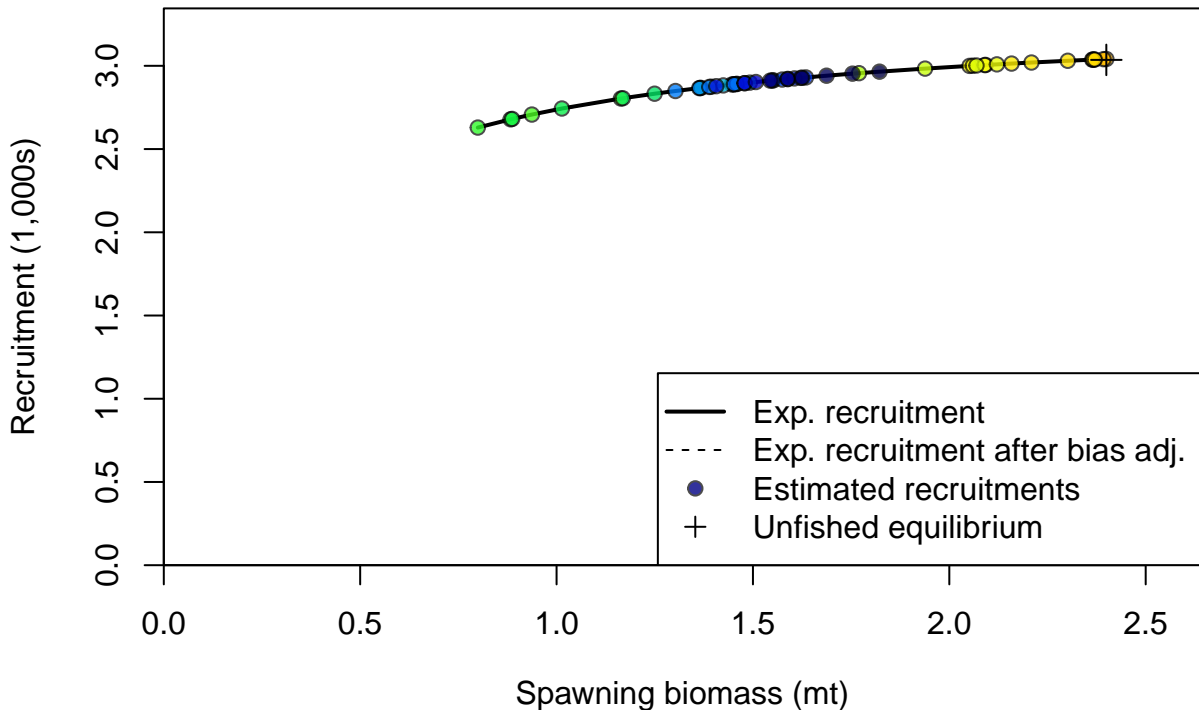
Age-0 recruits (1,000s)

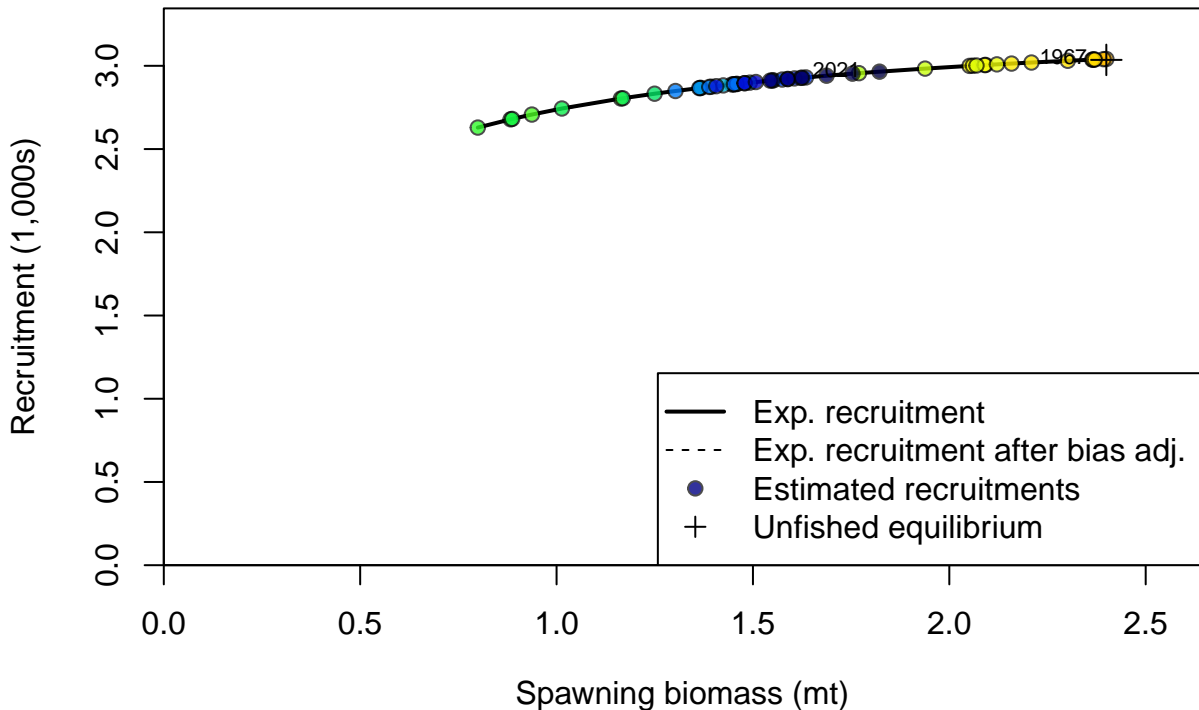


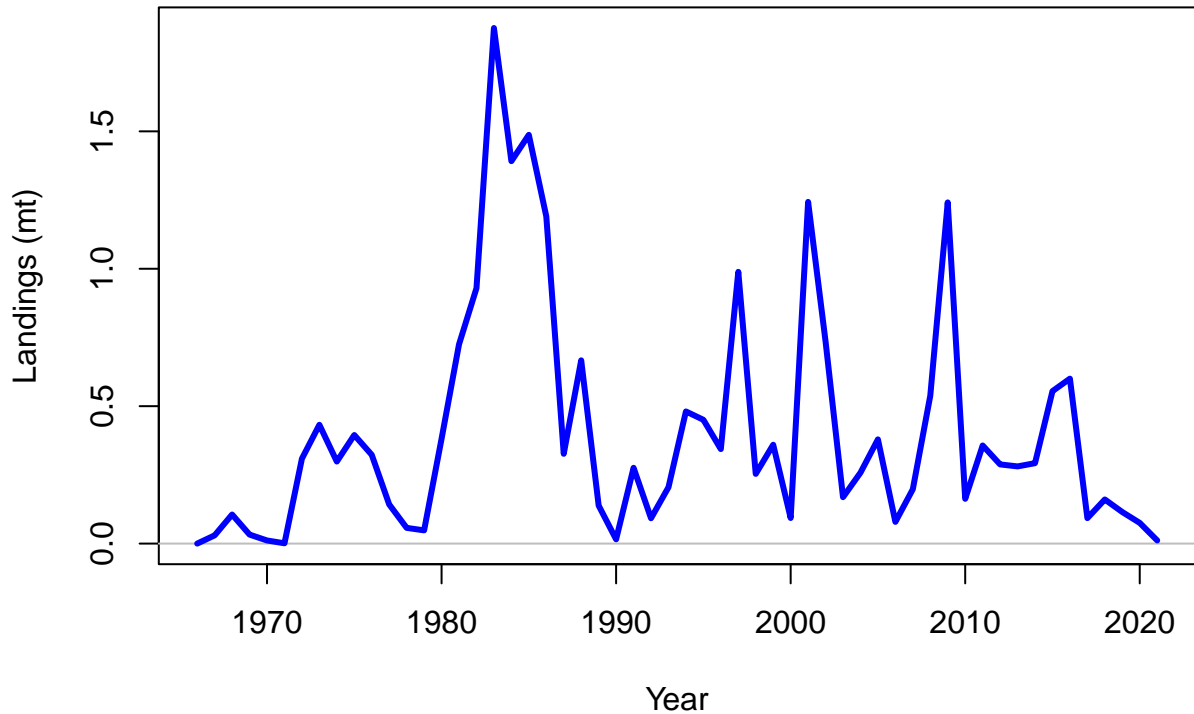
Summary Fishing Mortality

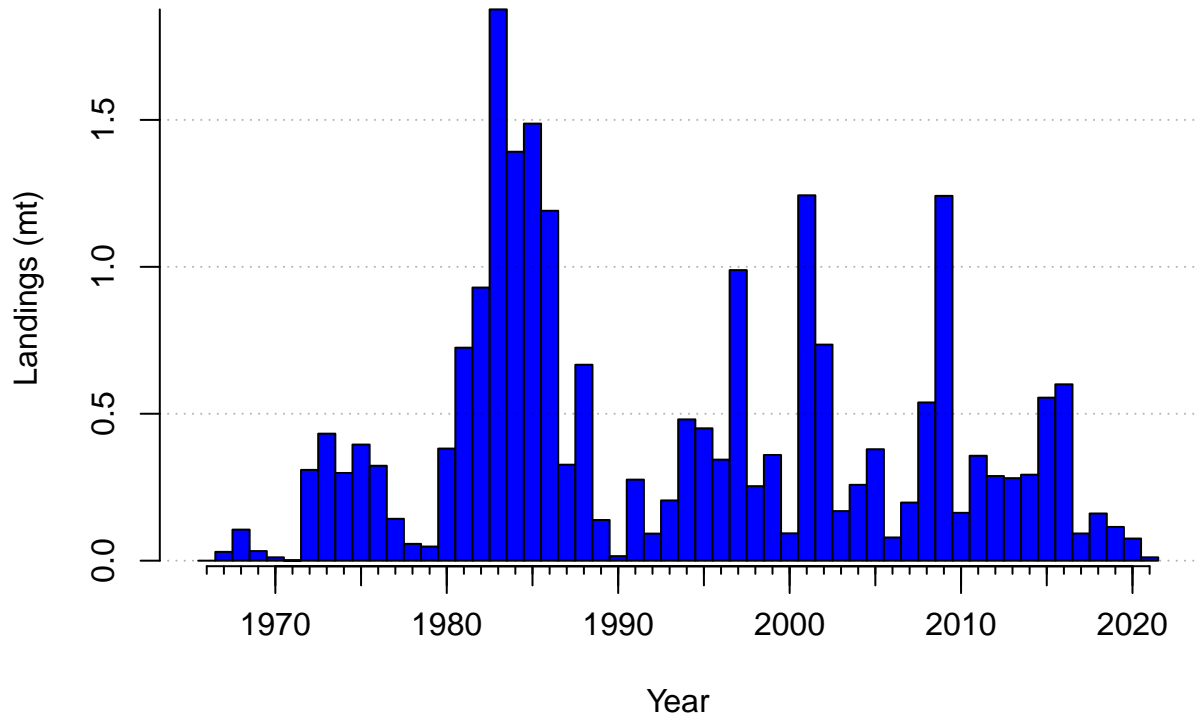


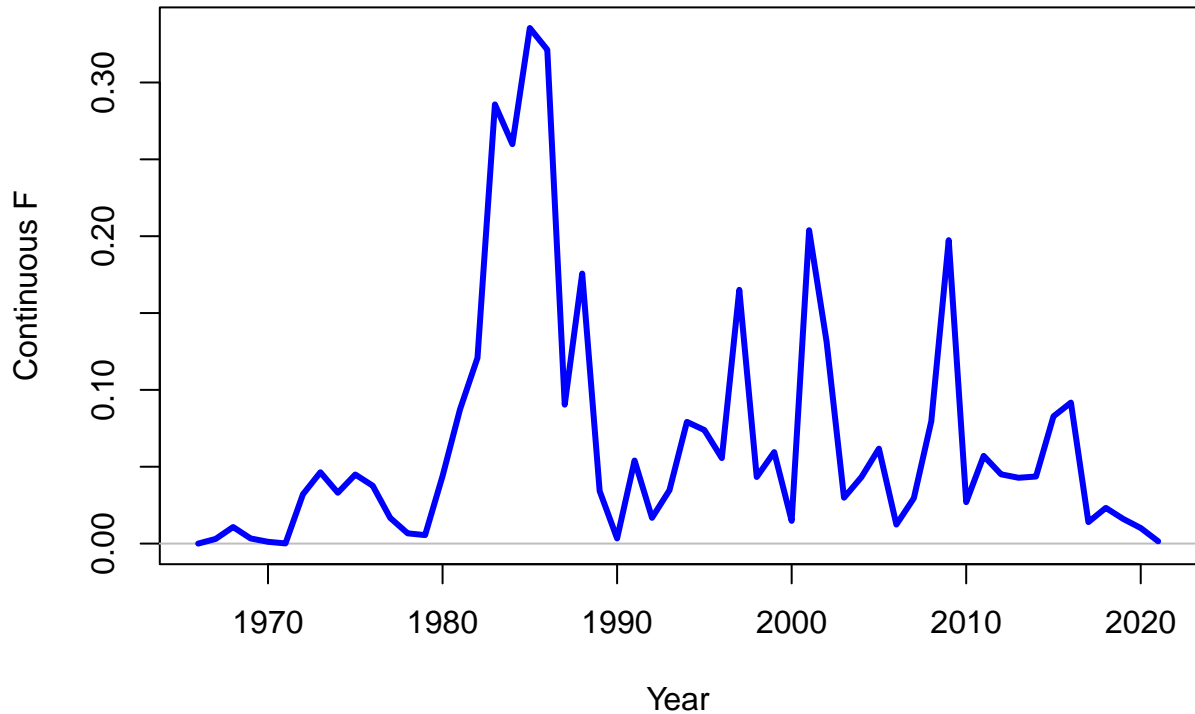




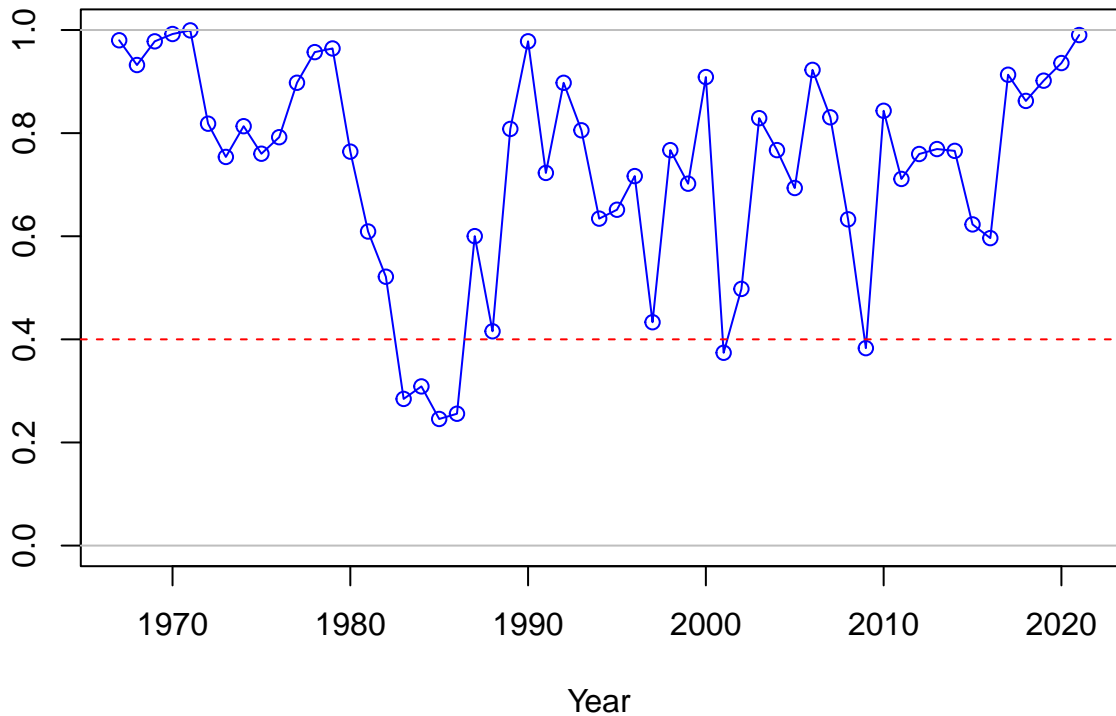




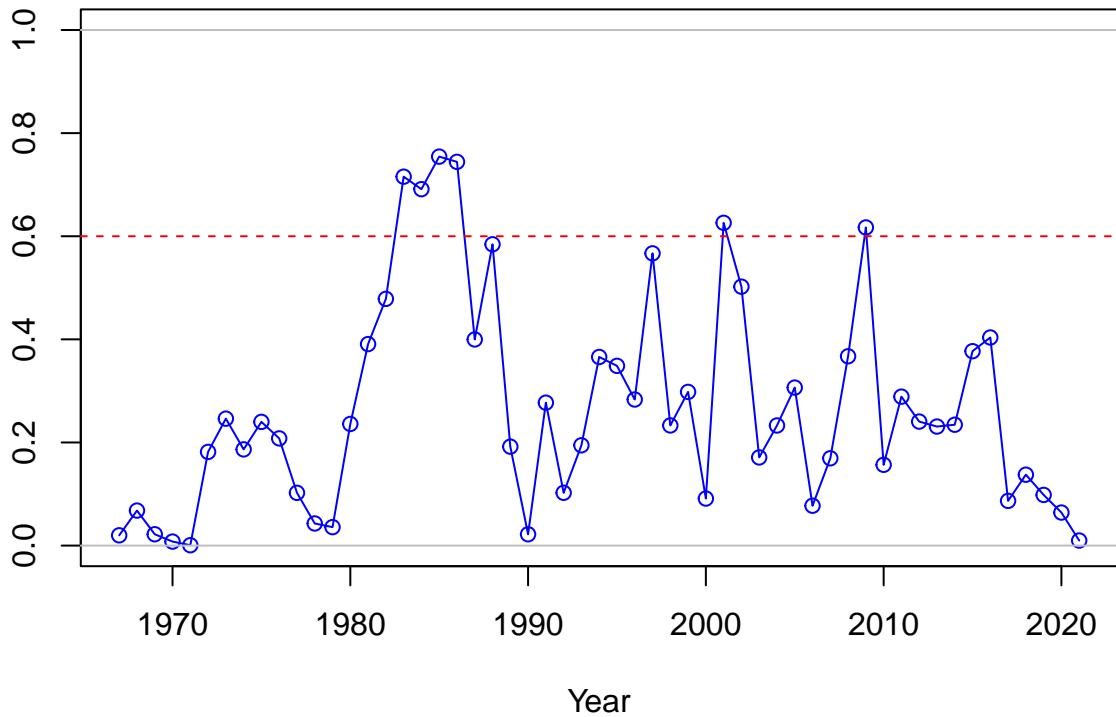




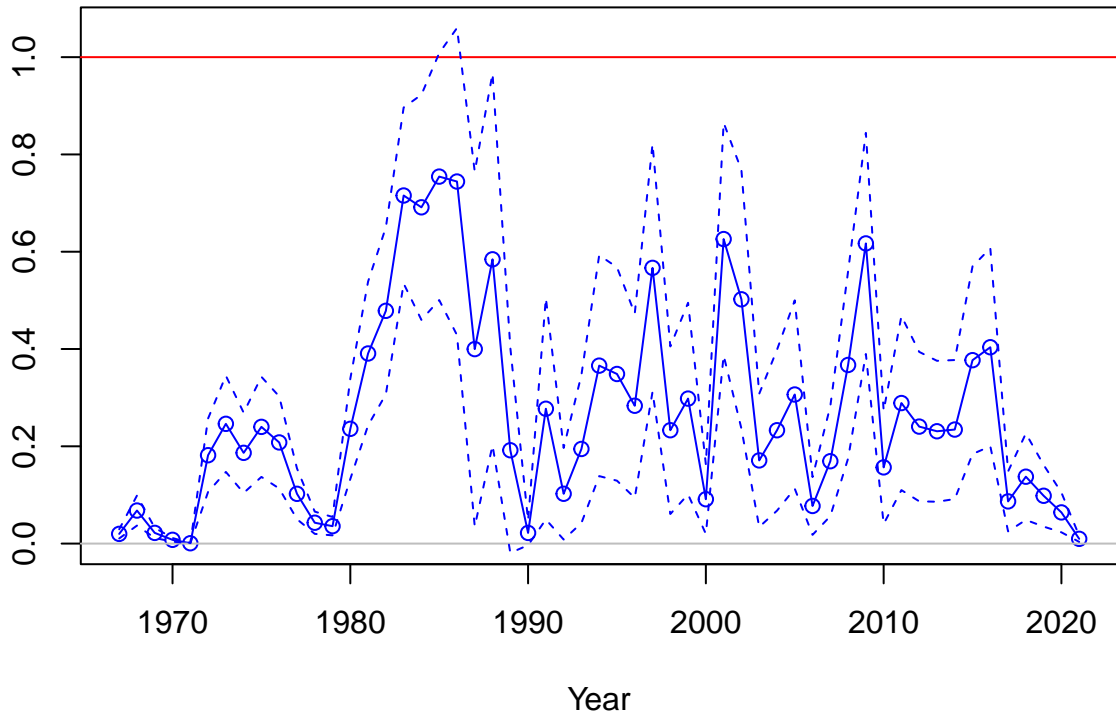
SPR



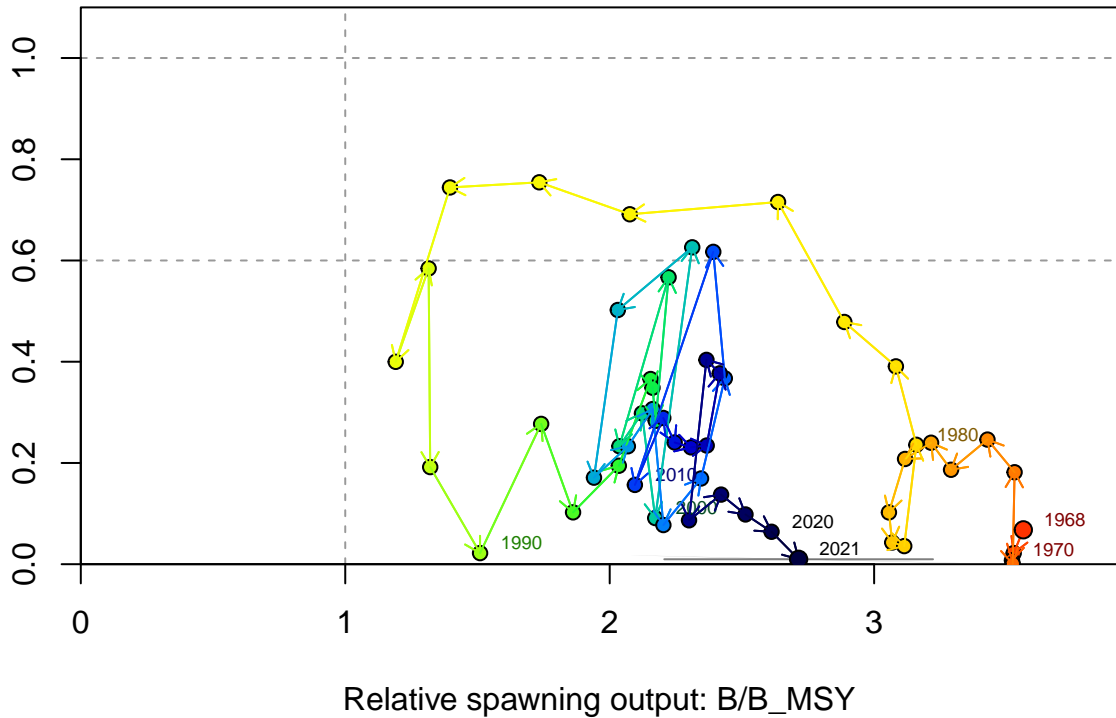
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR



Index

15

10

5

0

1990

1995

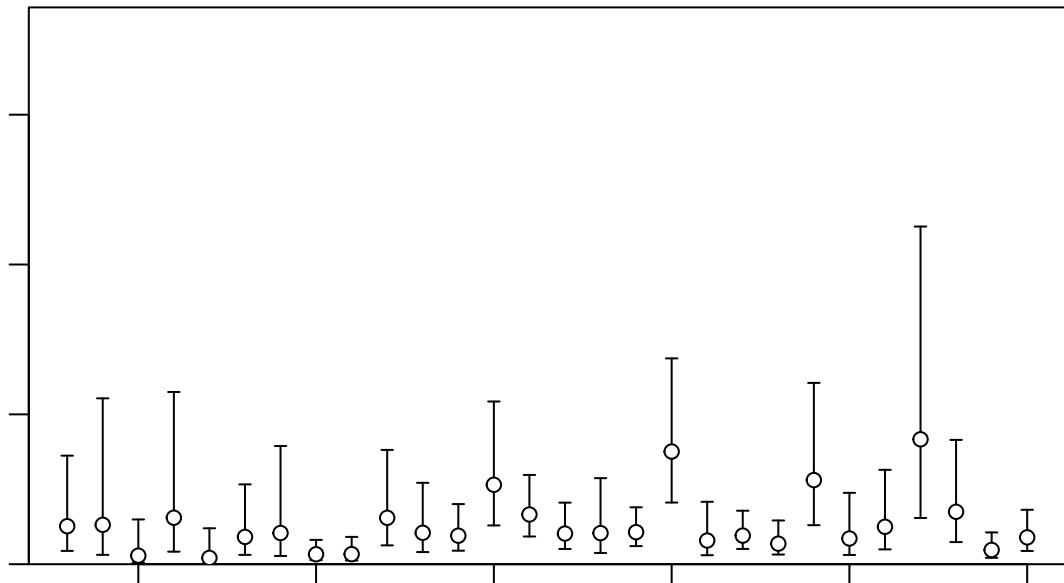
2000

2005

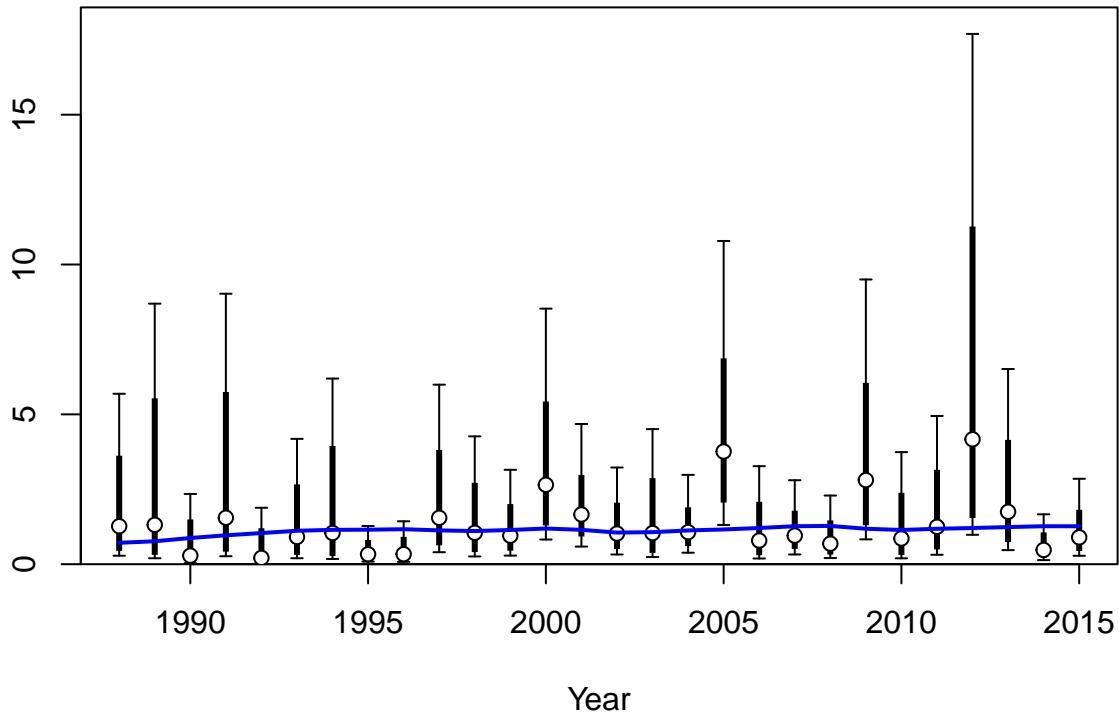
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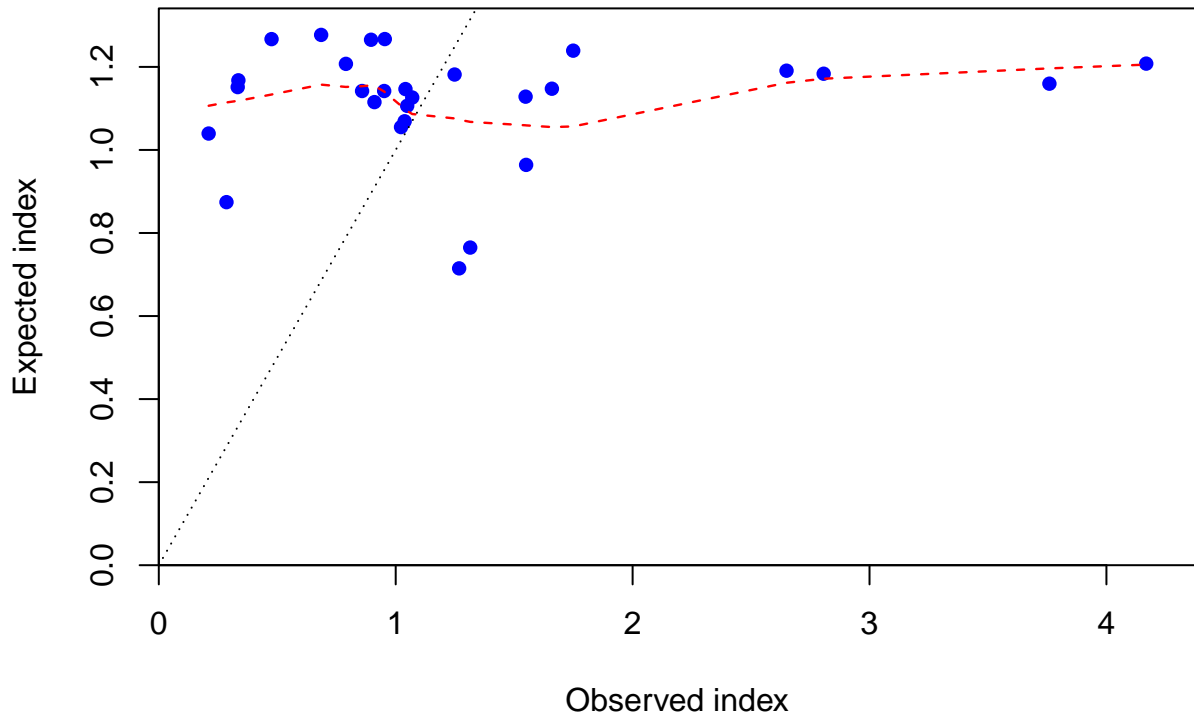
2015

Year

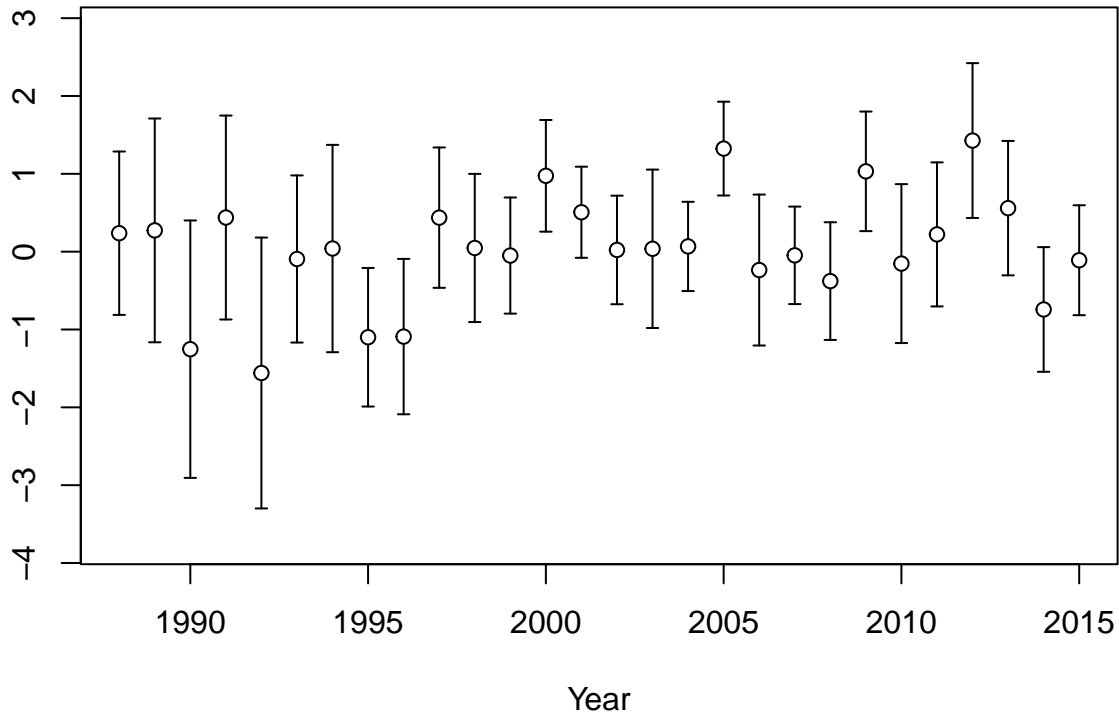


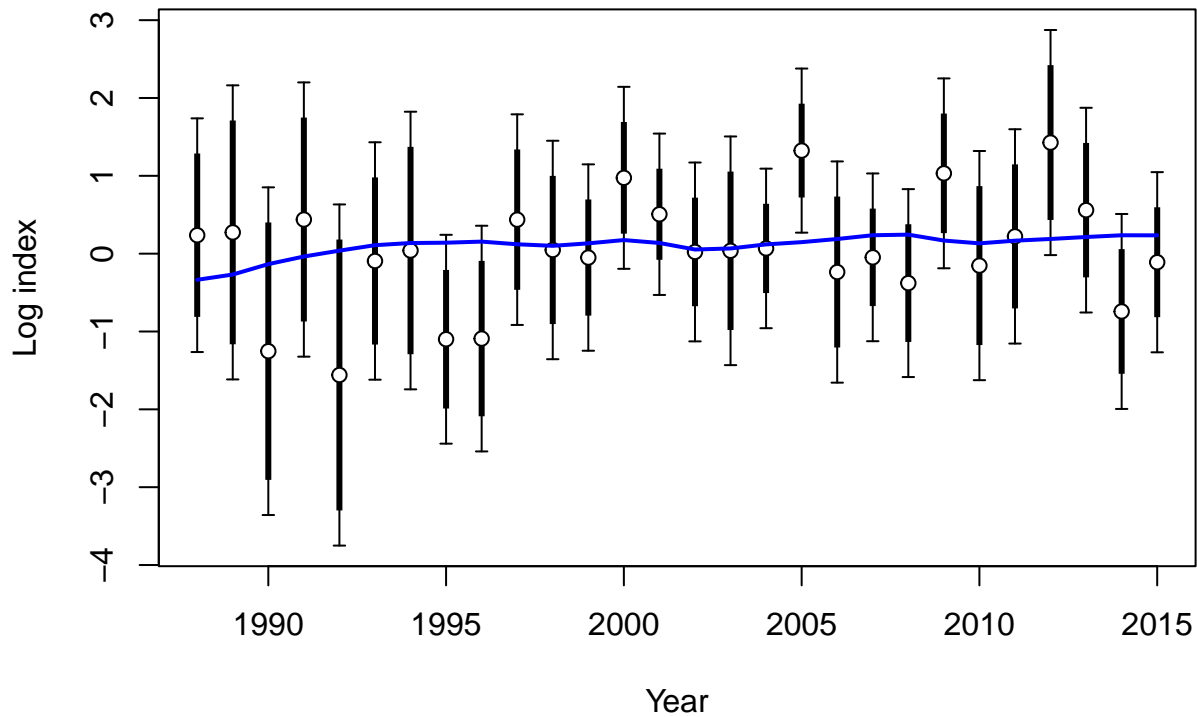
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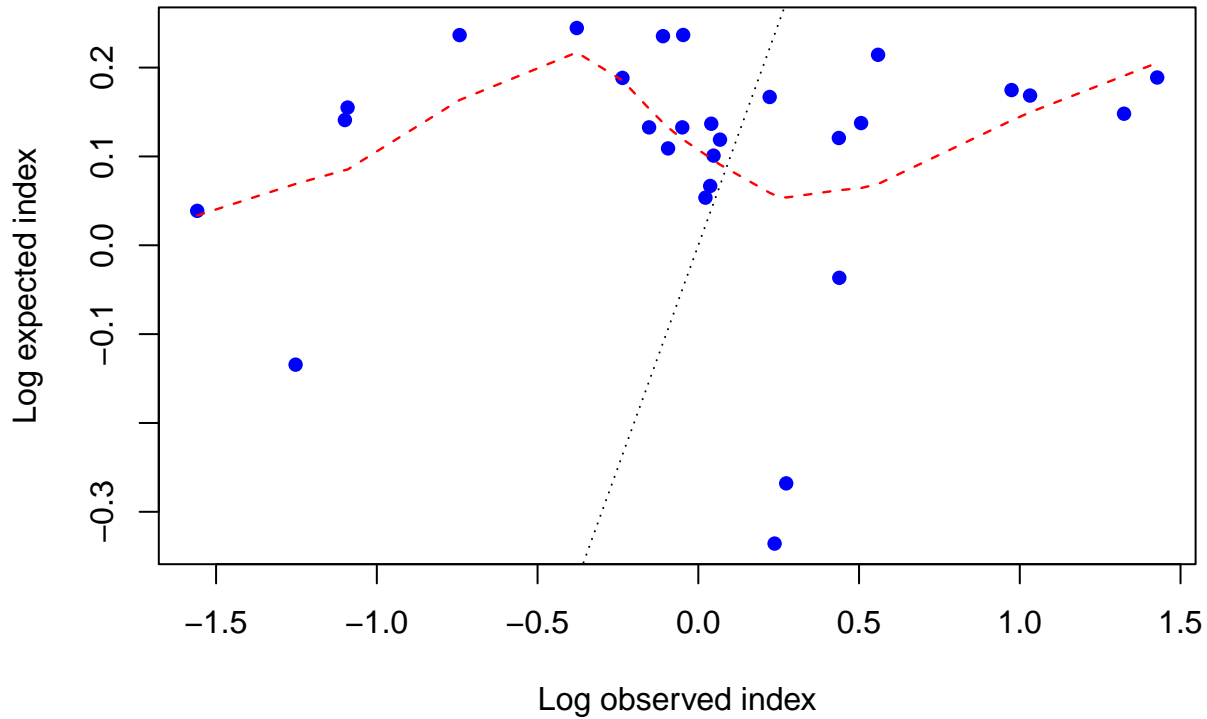


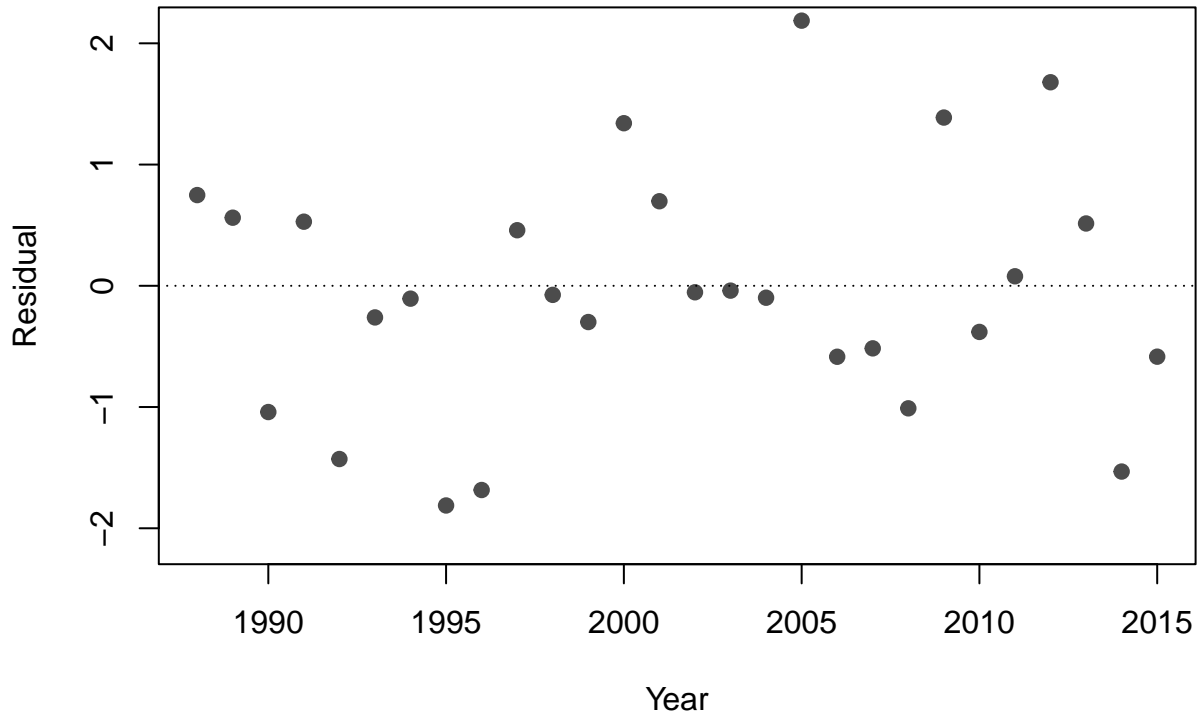


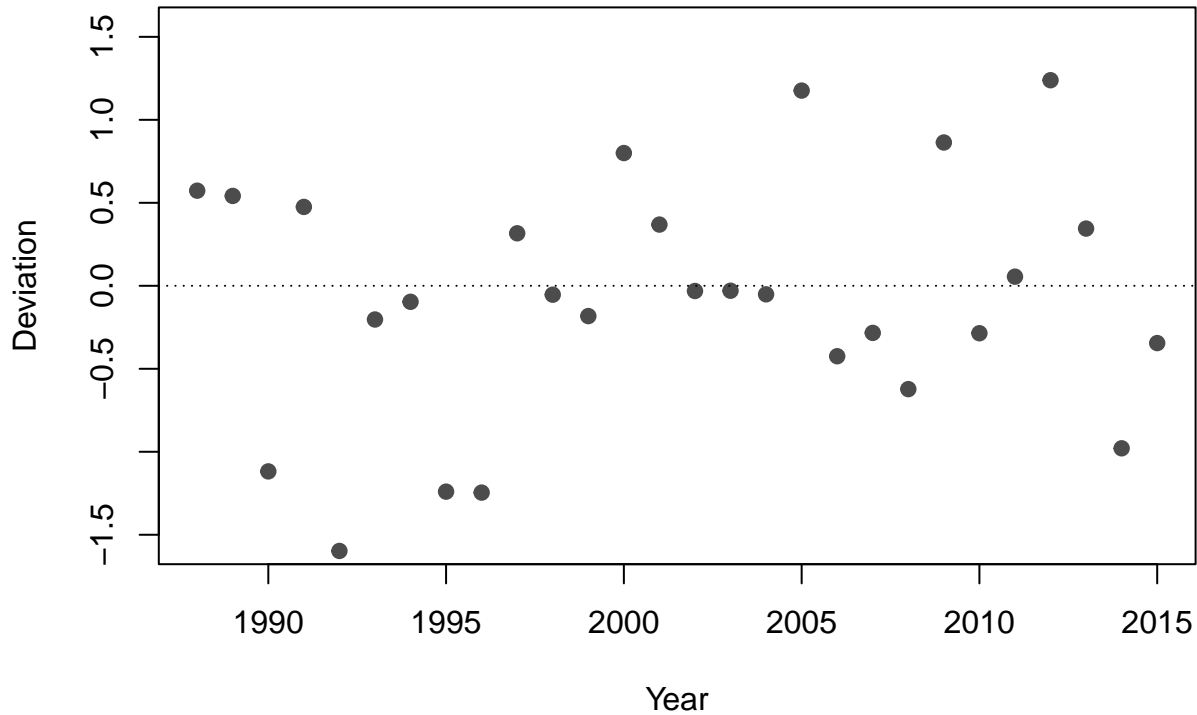
Log index

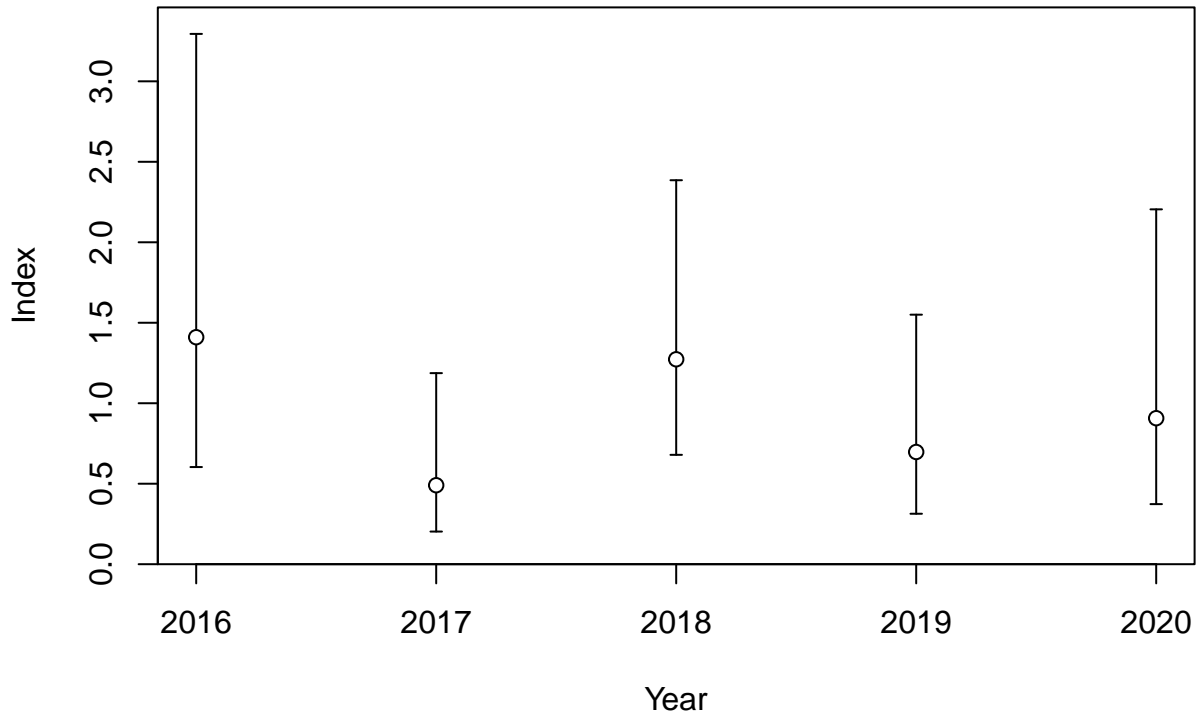




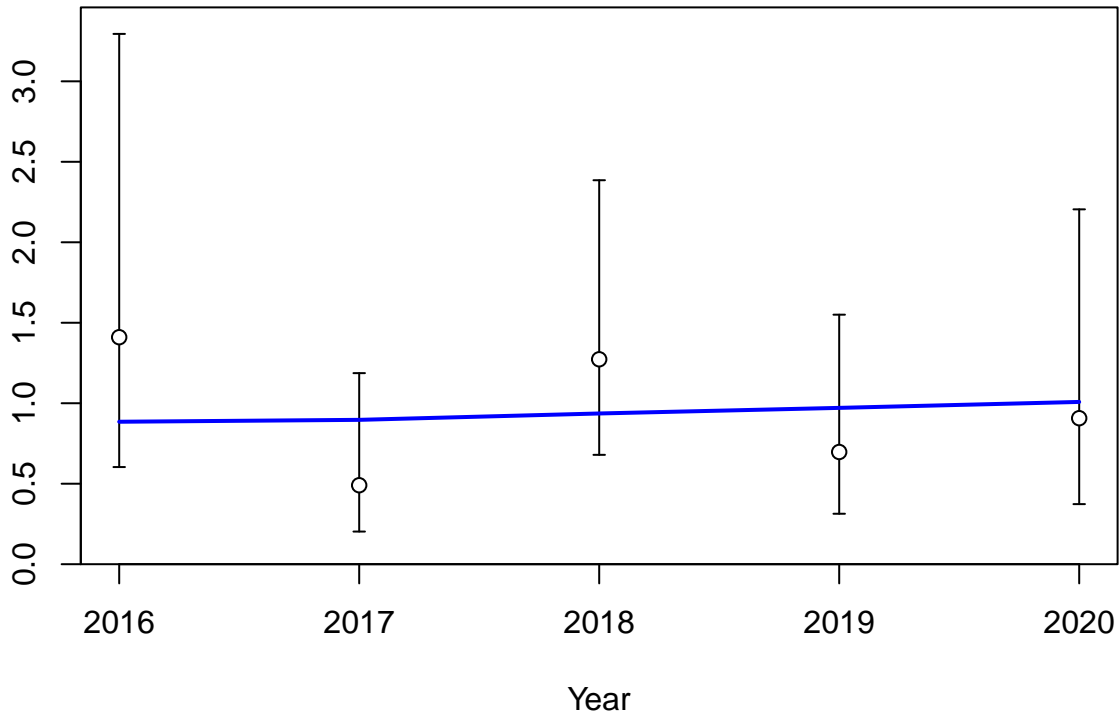


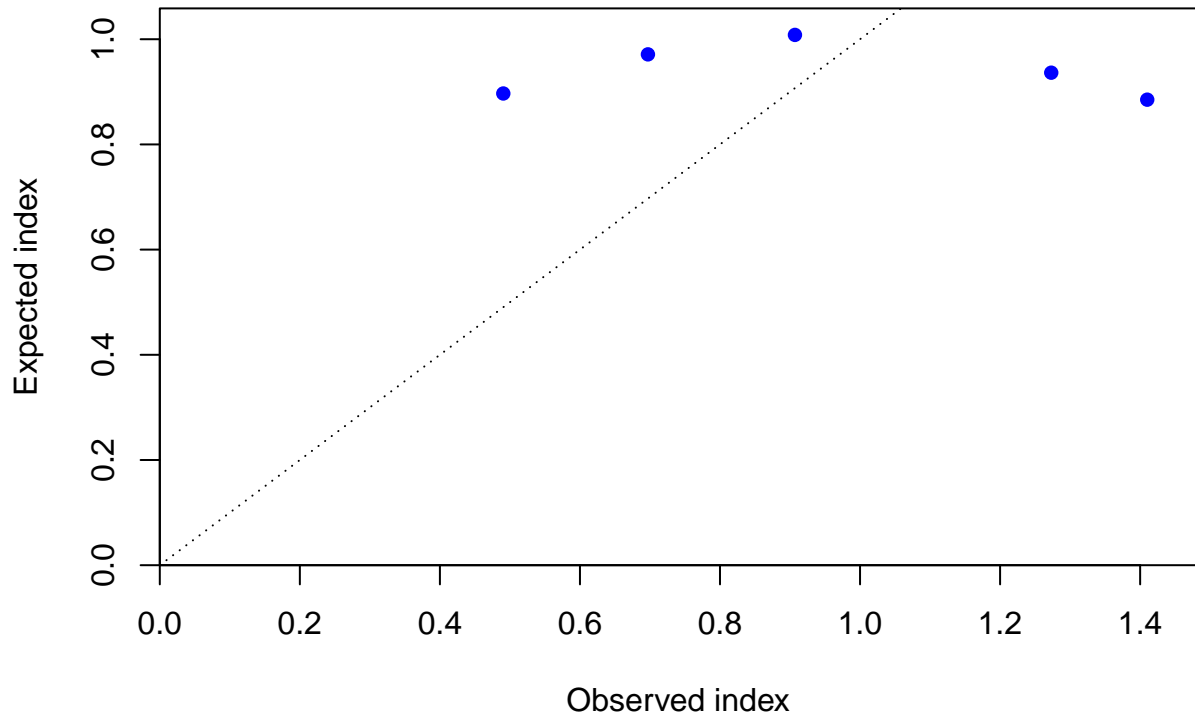


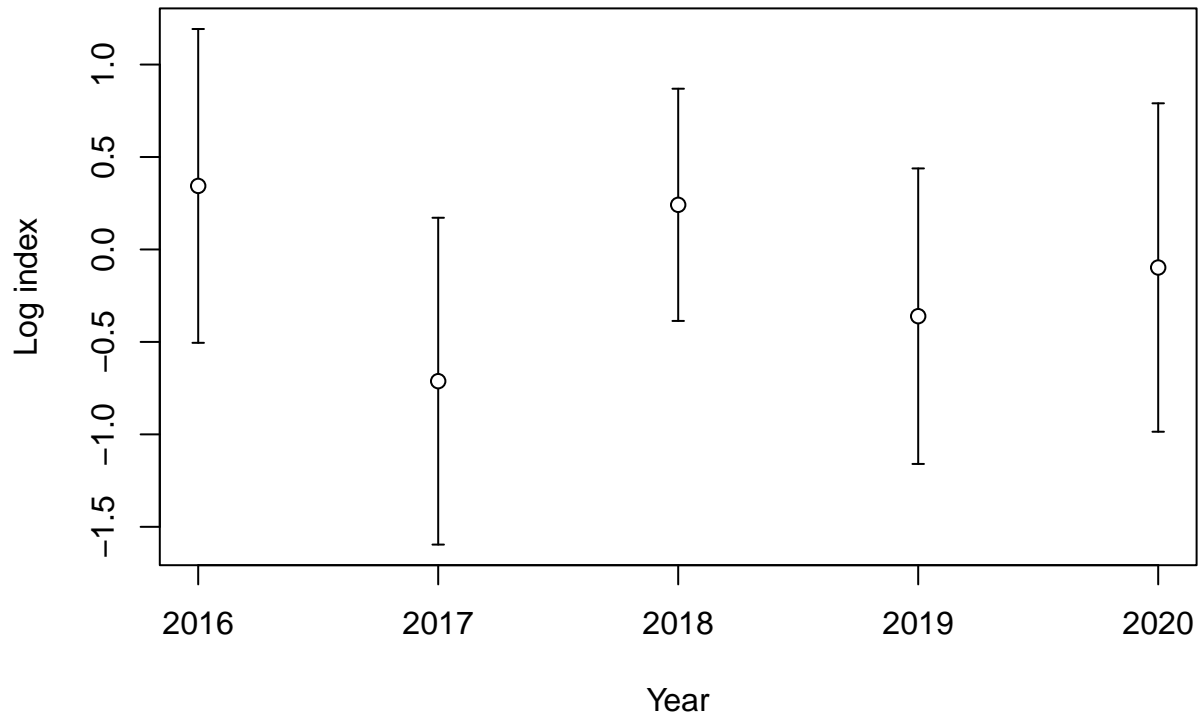


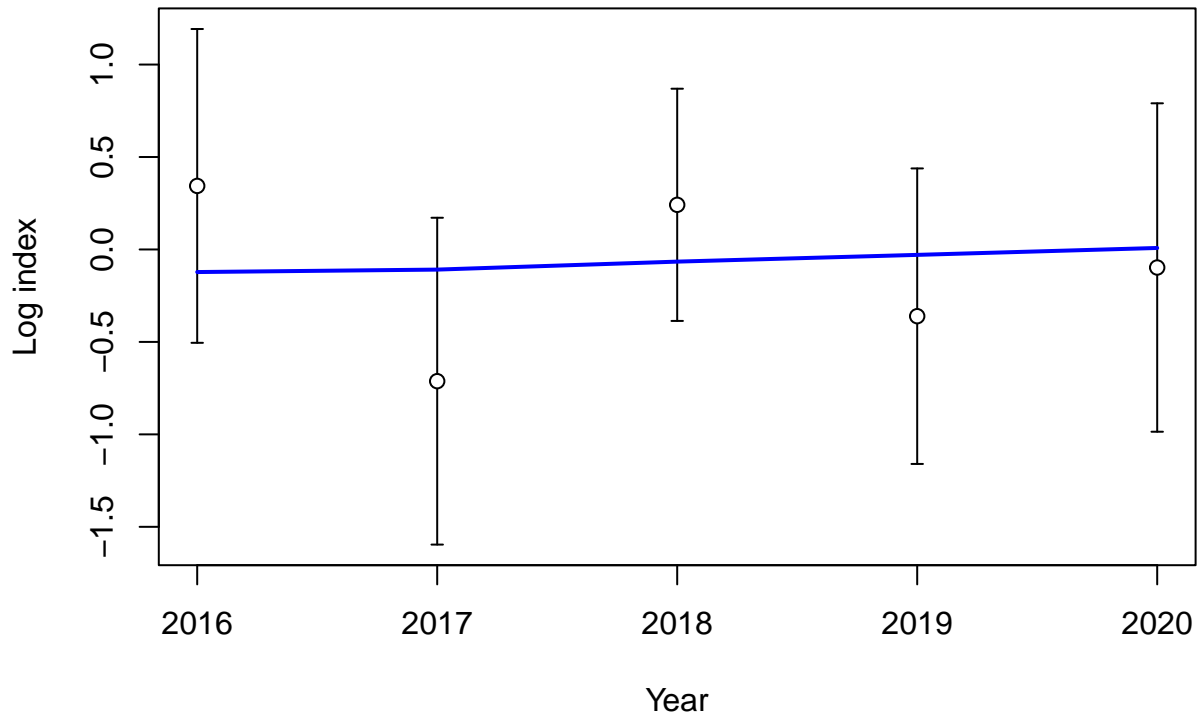


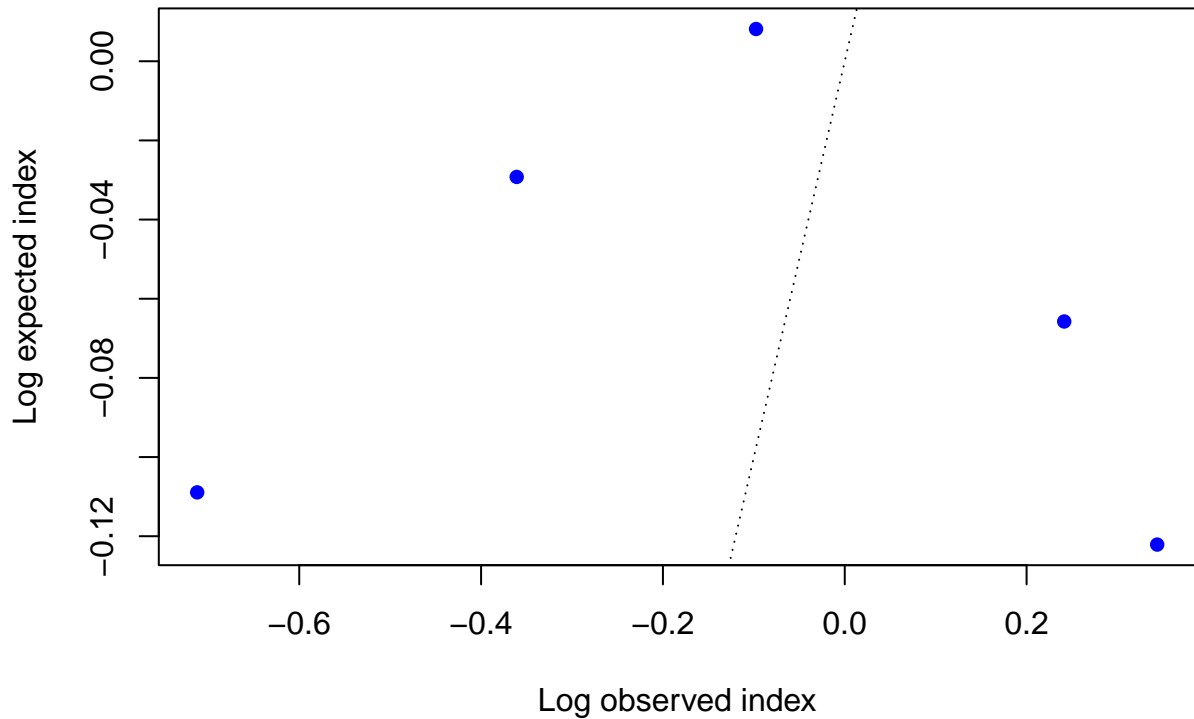
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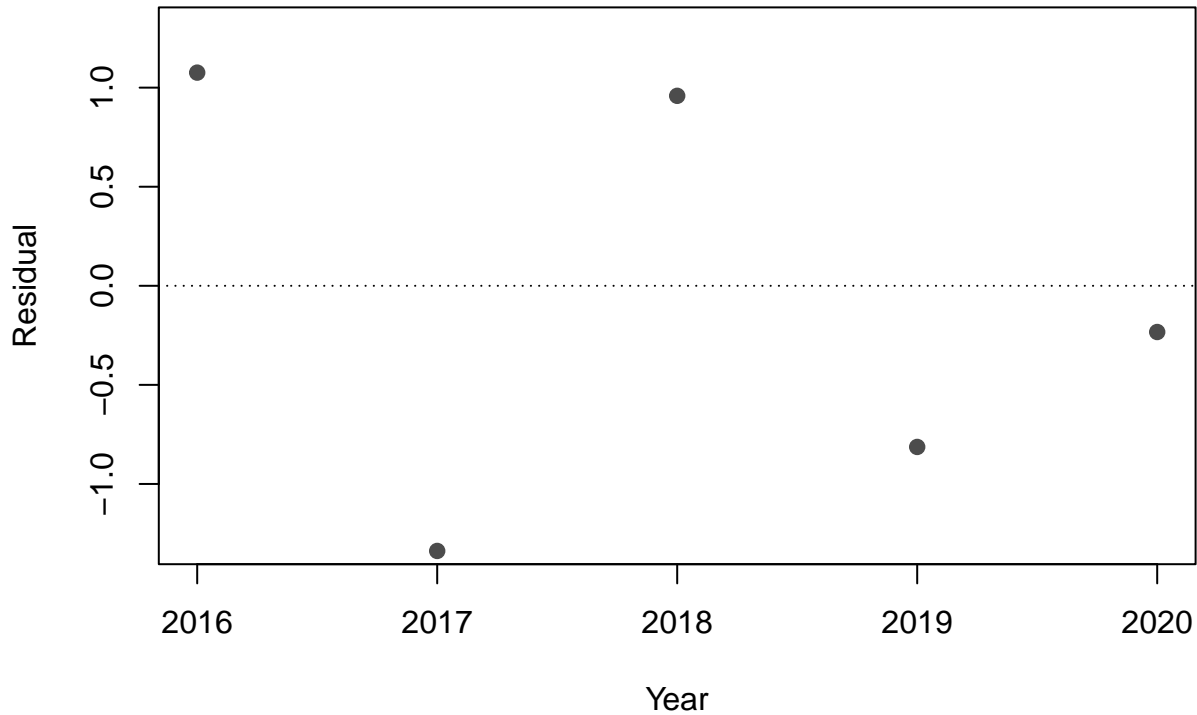




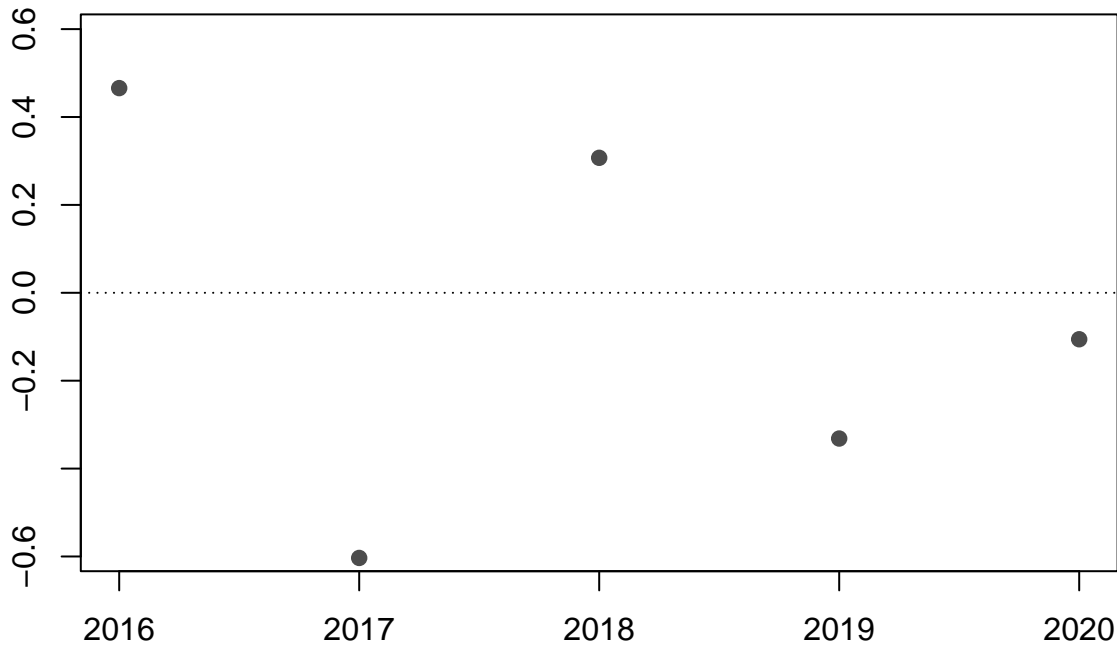




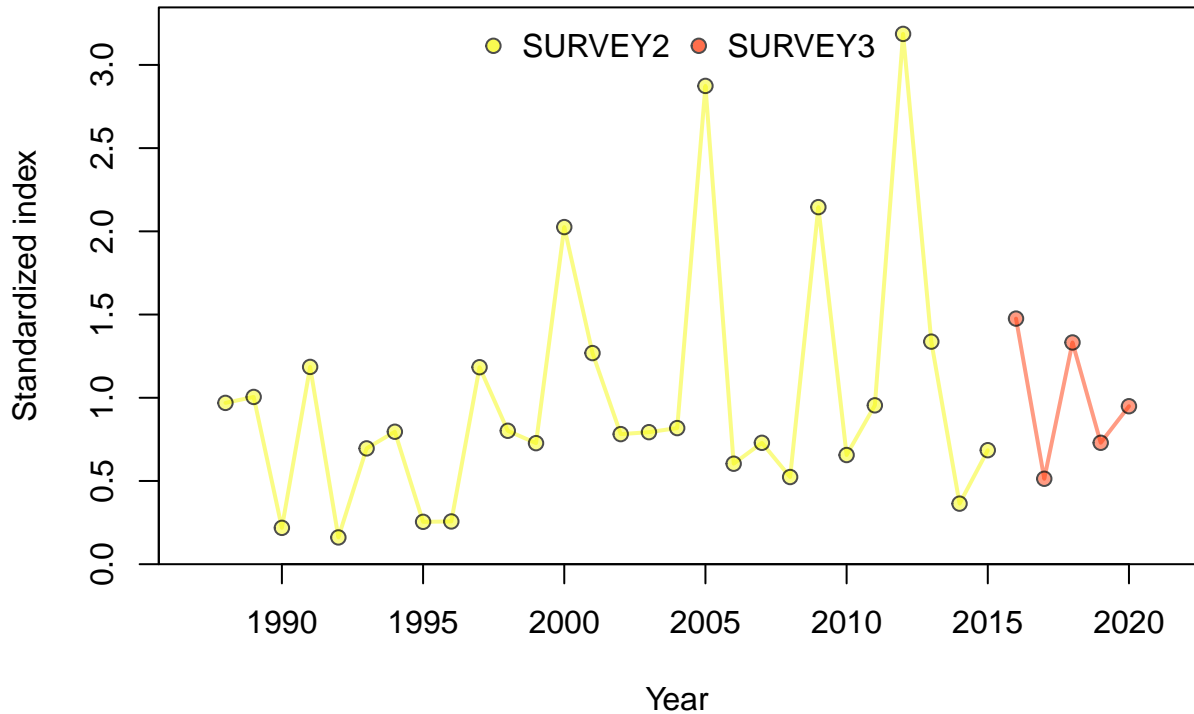


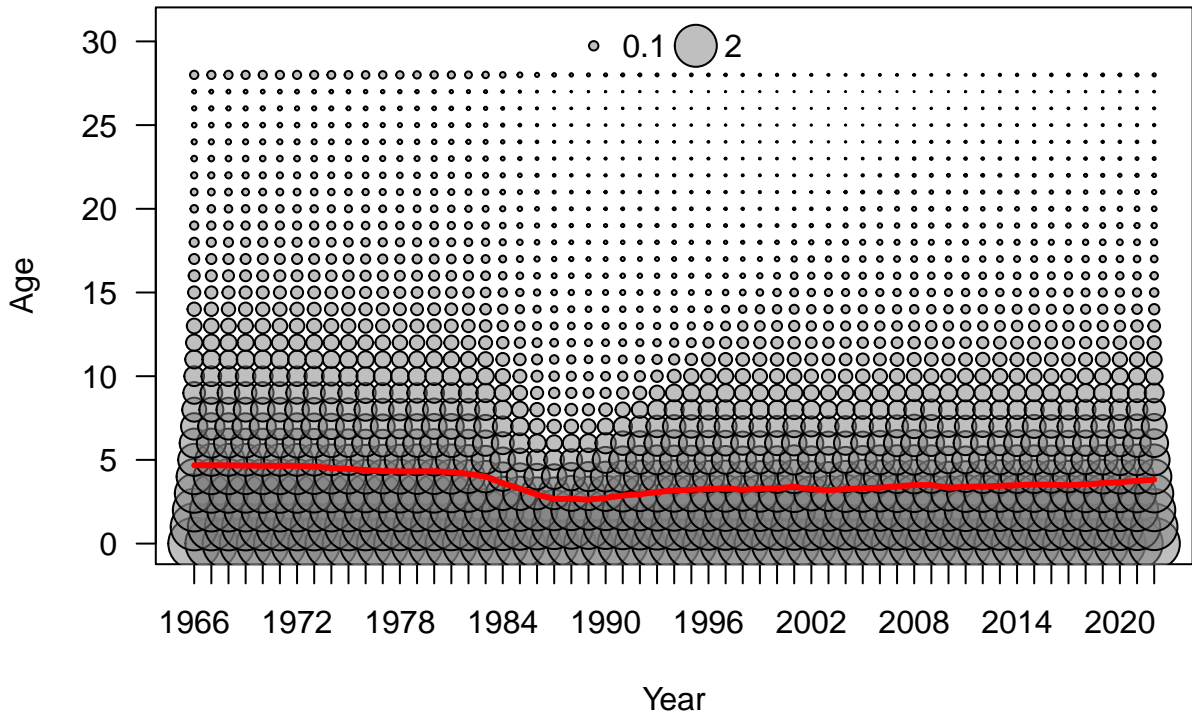


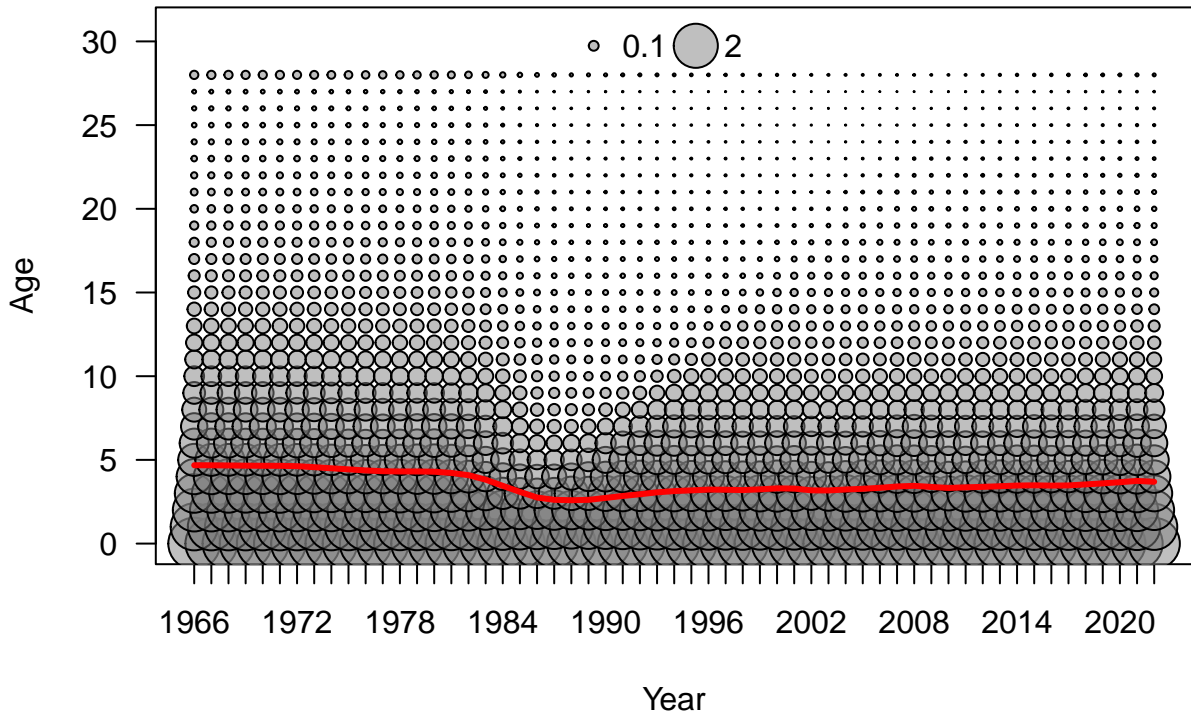
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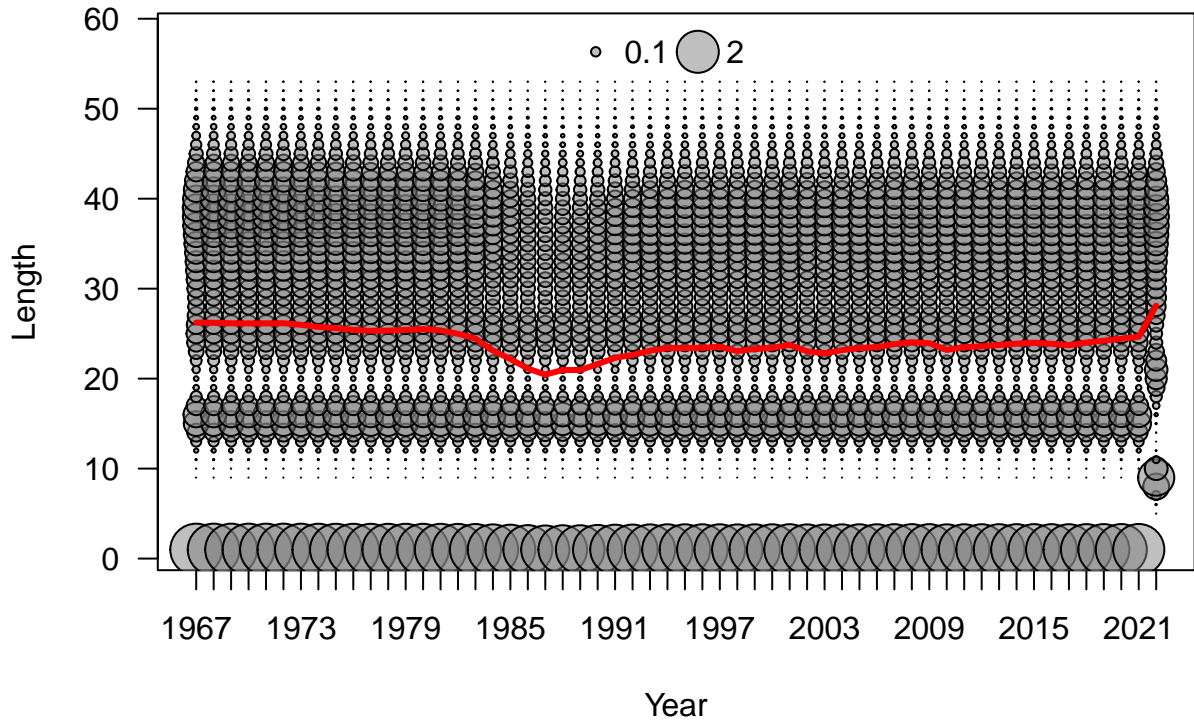


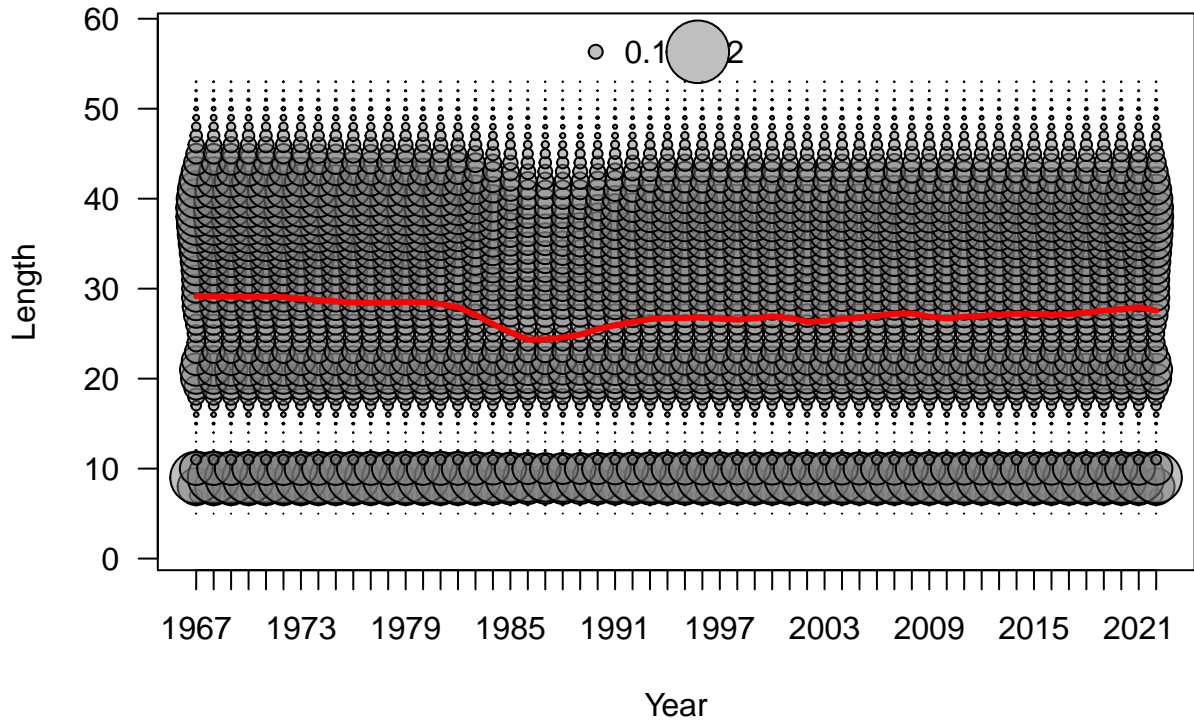
Year

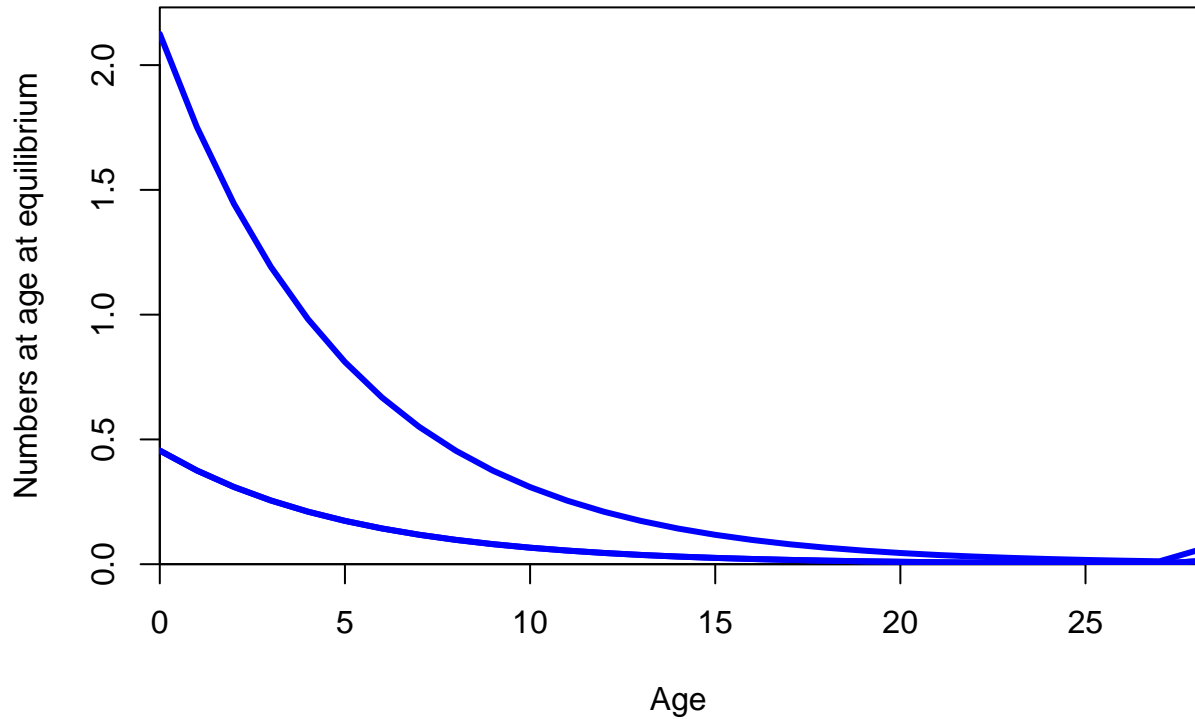


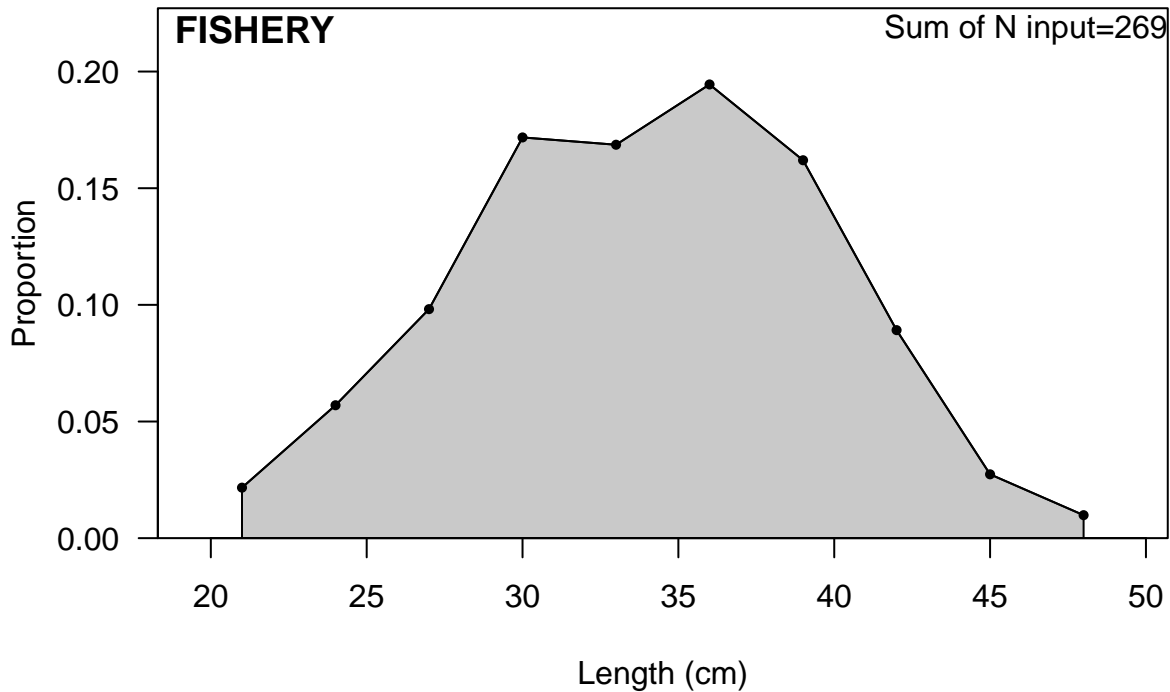


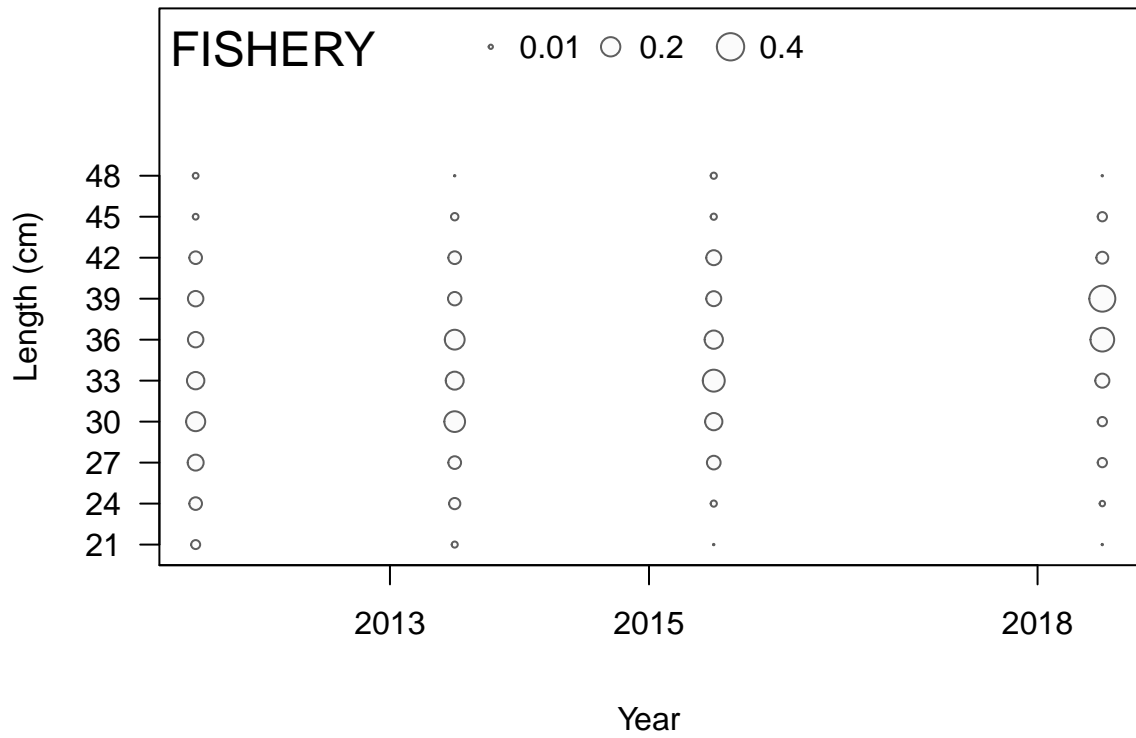


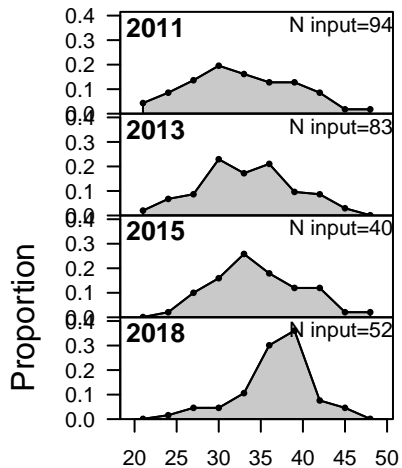




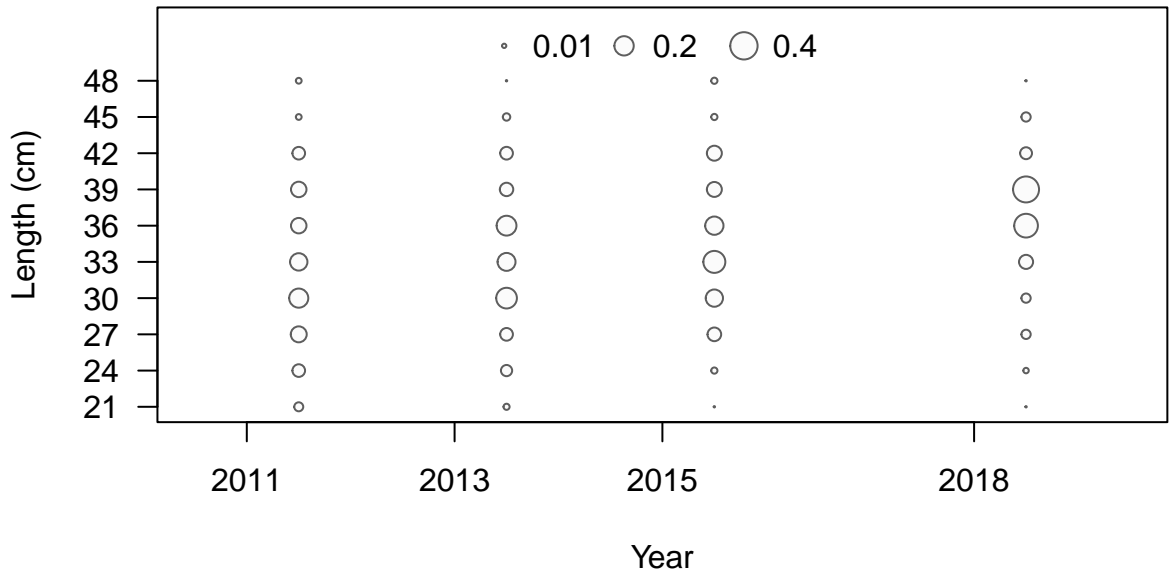




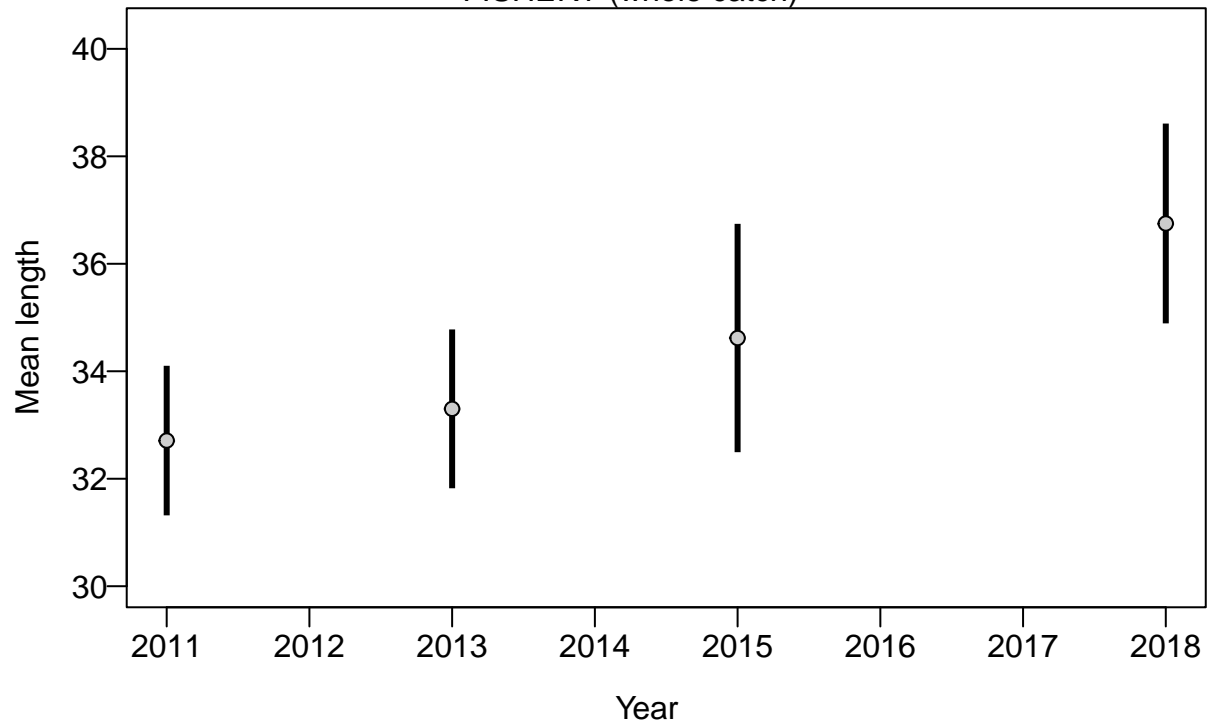




Length (cm)

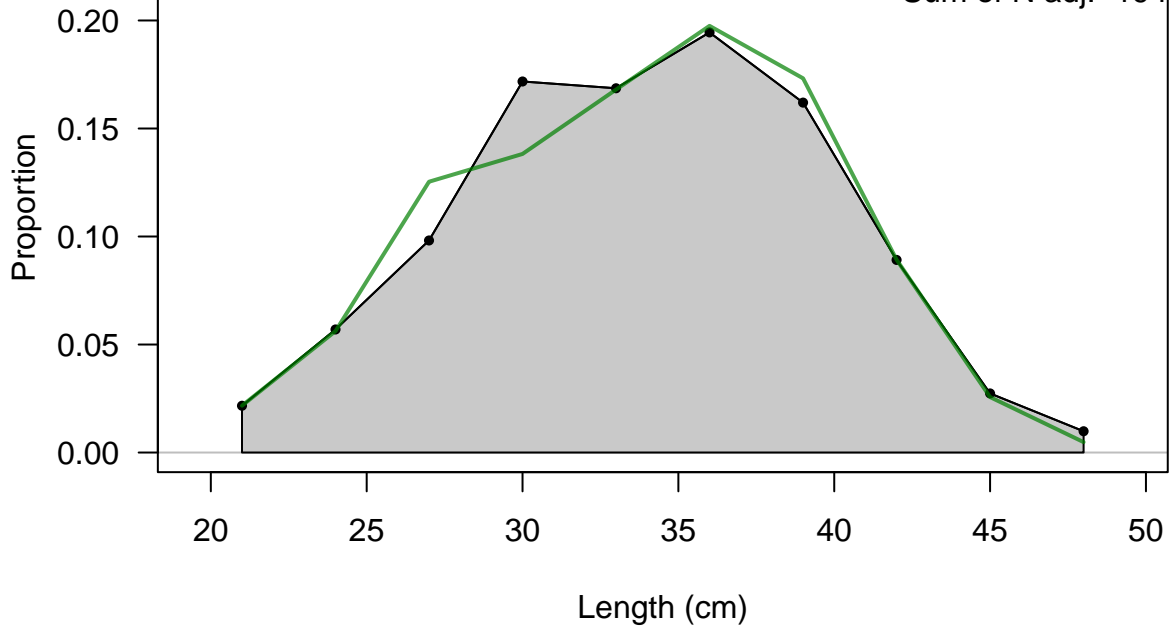


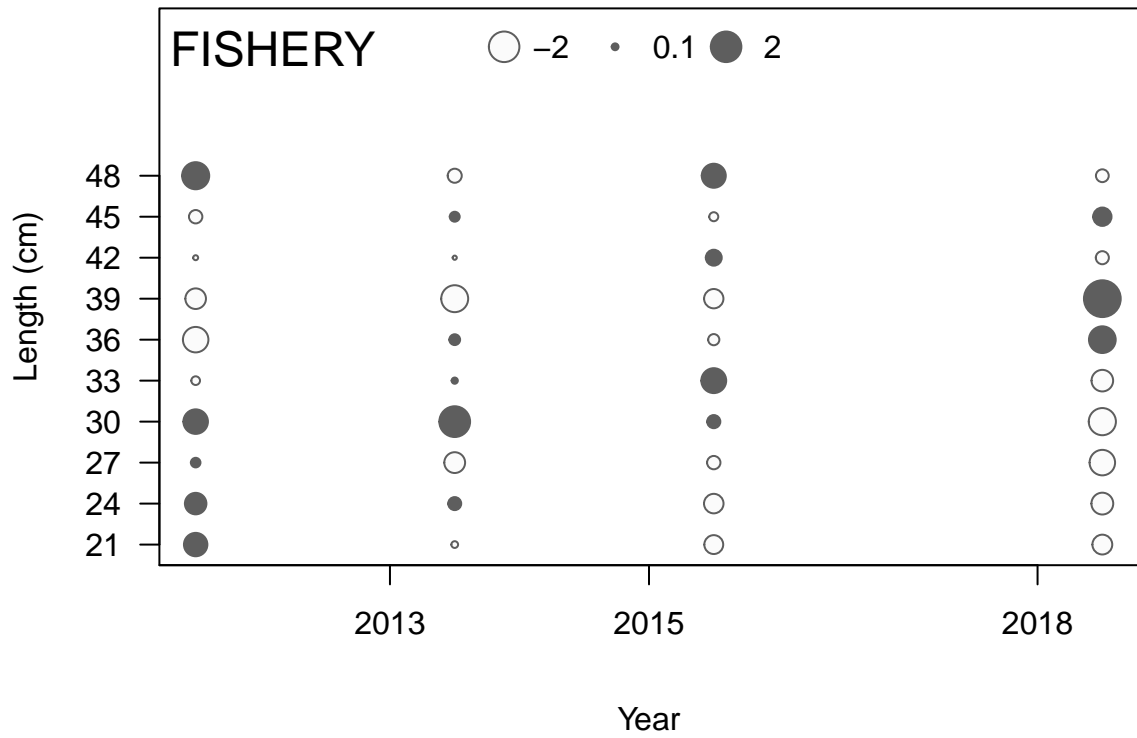
FISHERY (whole catch)



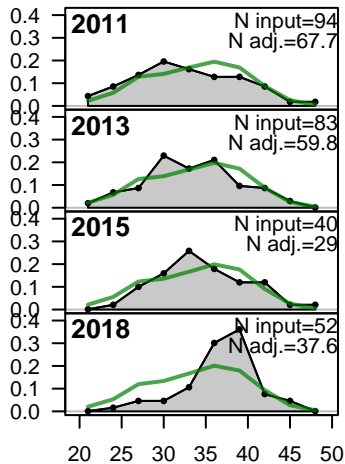
FISHERY

Sum of N input=269
Sum of N adj.=194

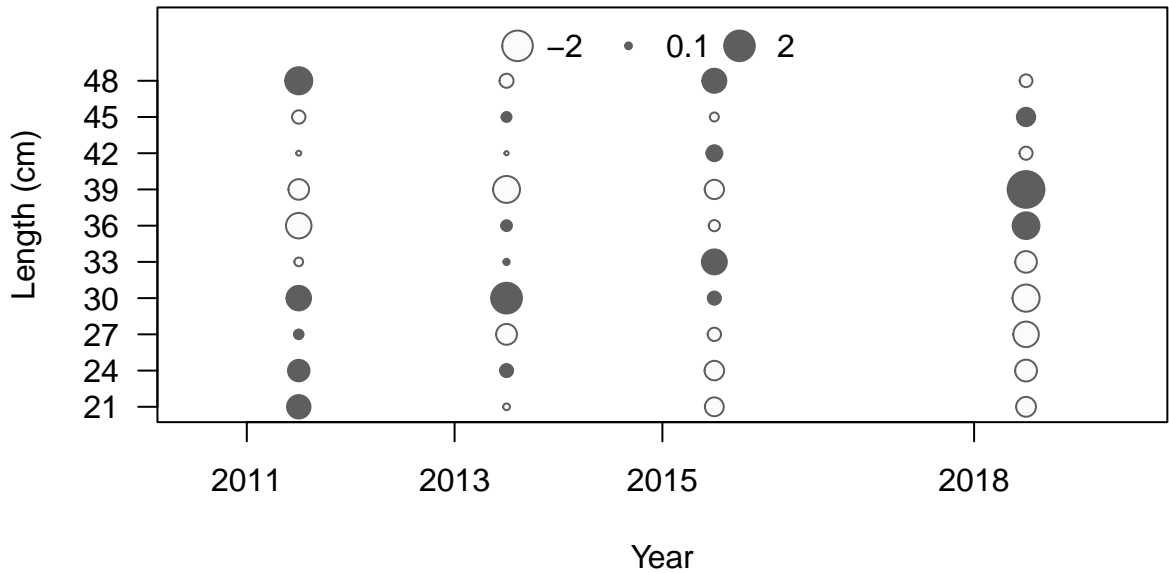




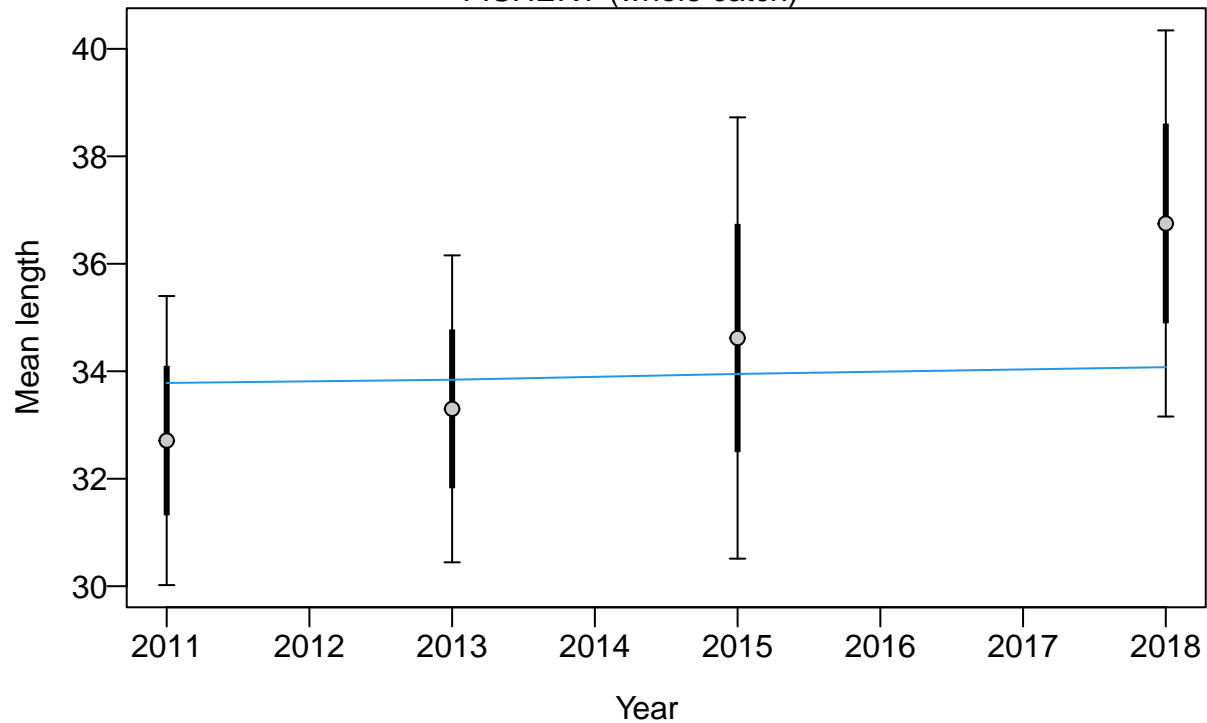
Proportion

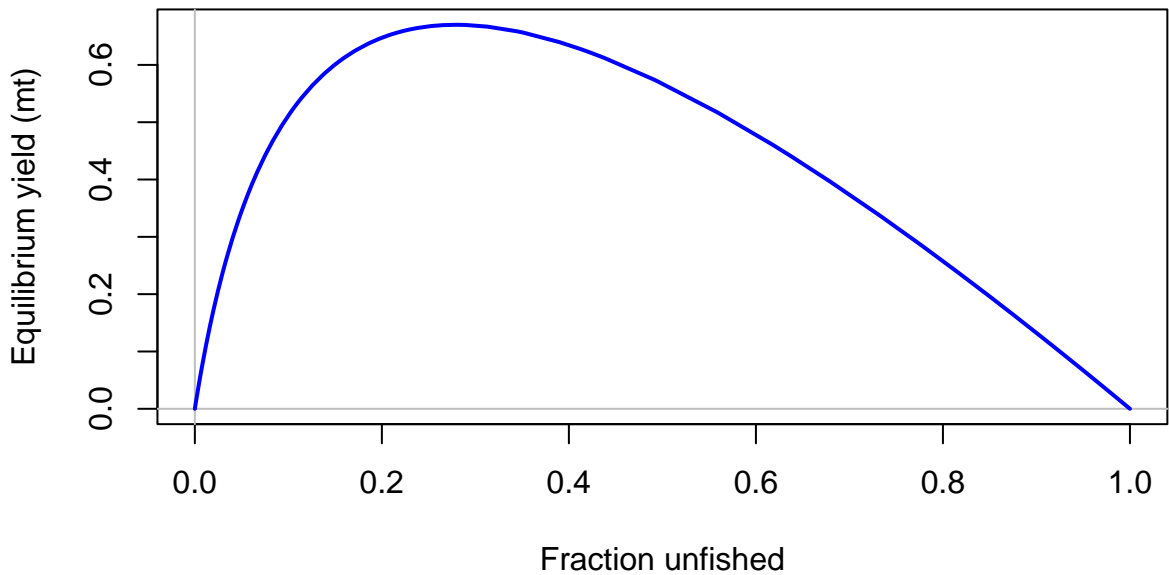


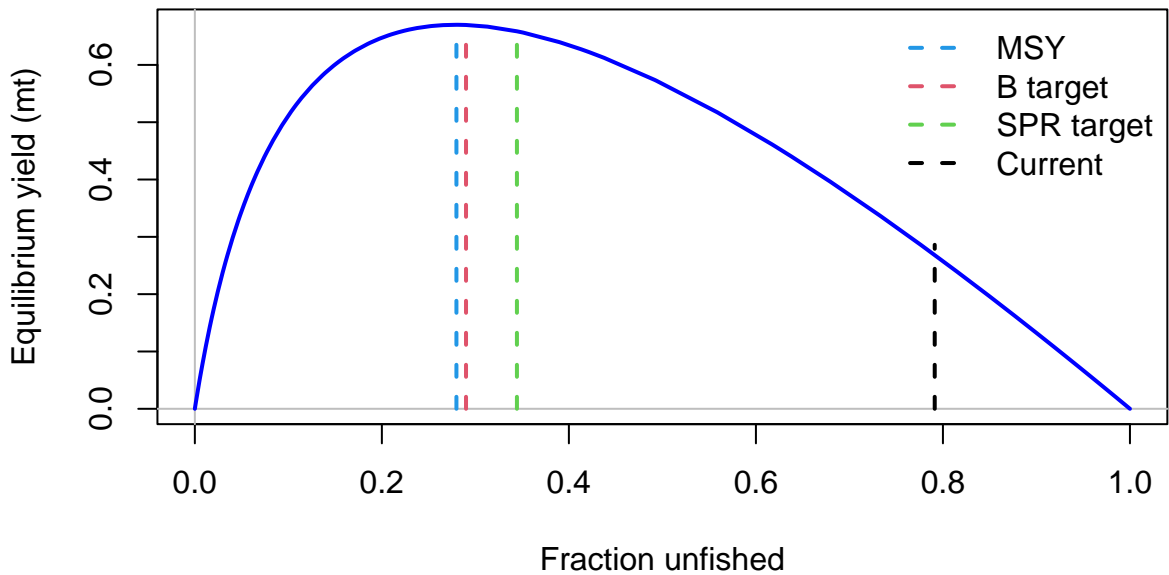
Length (cm)

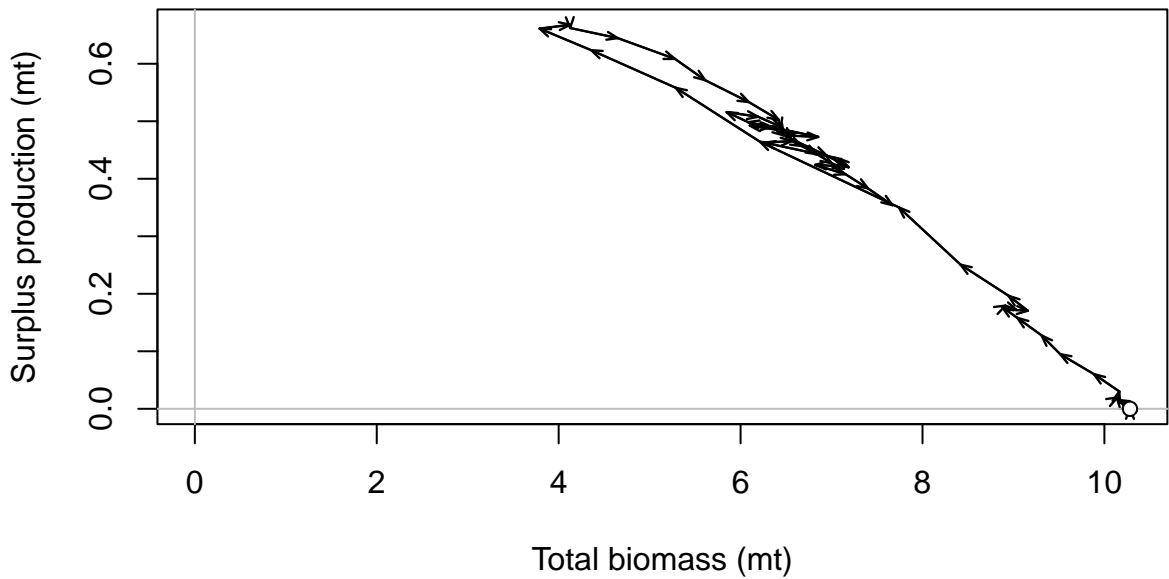


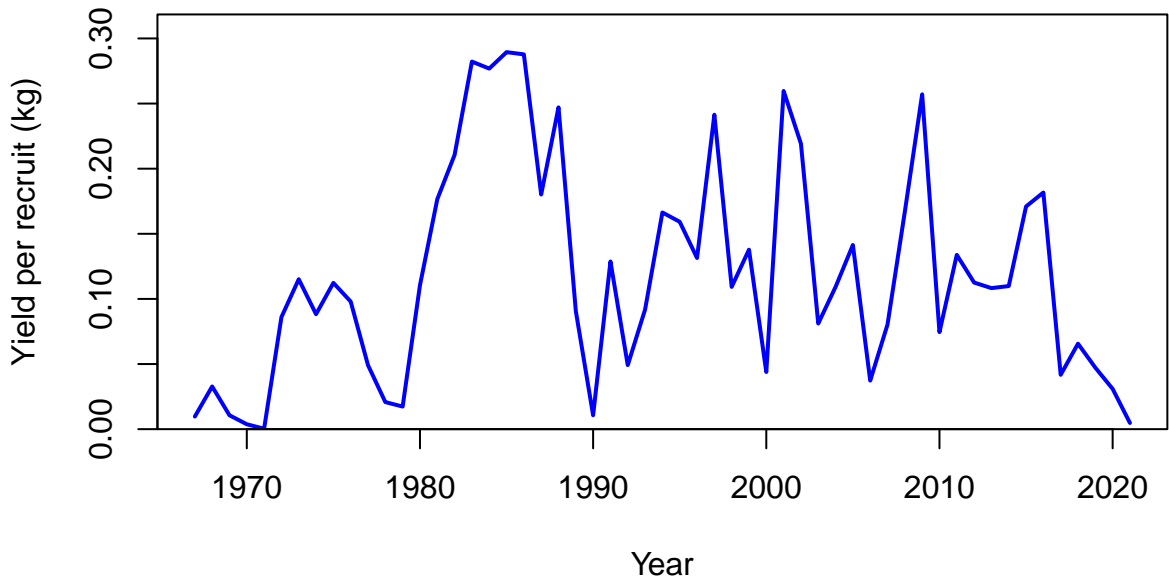
FISHERY (whole catch)

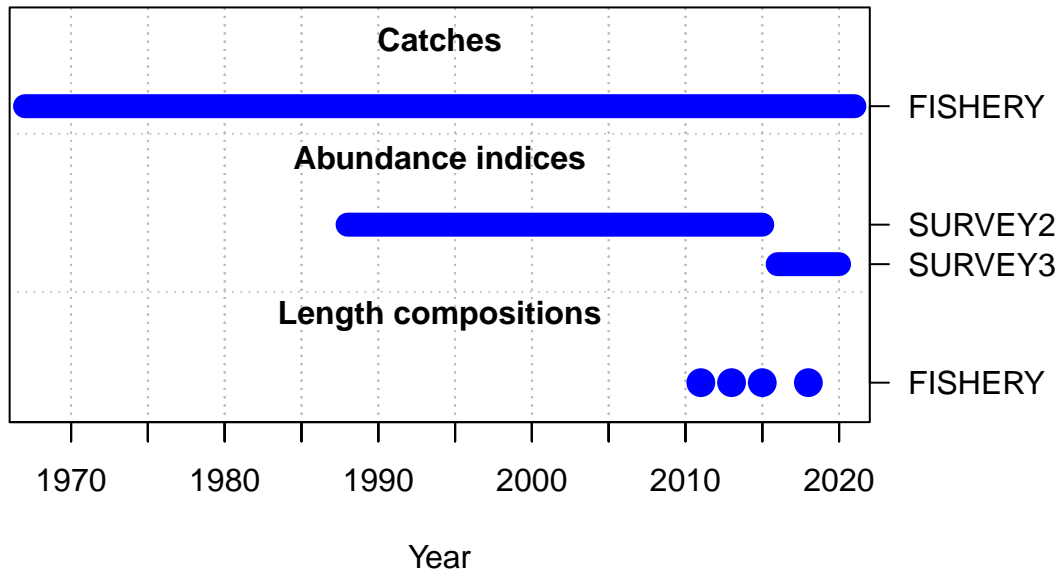


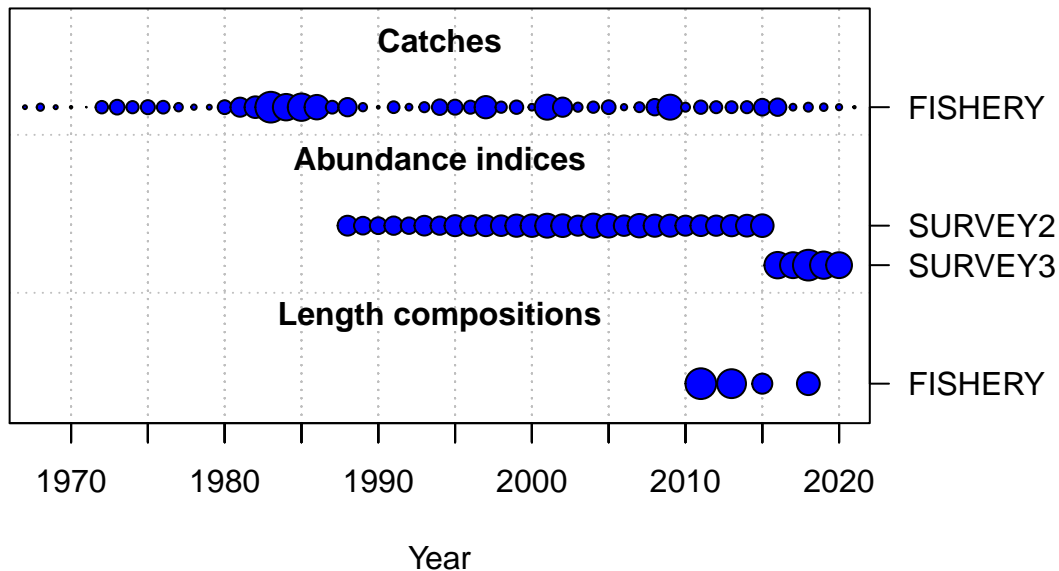








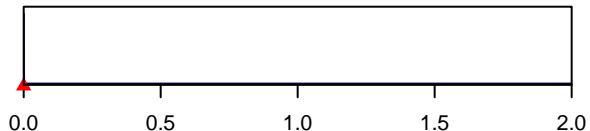




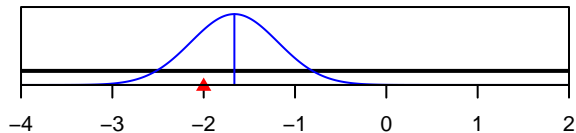
SR_LN(R0)



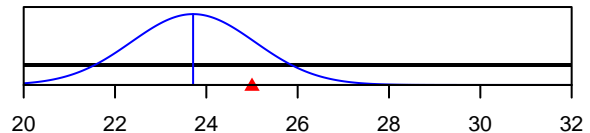
Q_extraSD_SURVEY3(3)



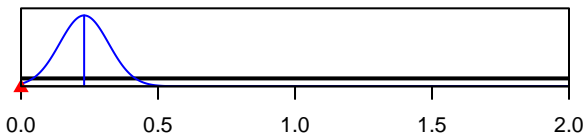
LnQ_base_SURVEY2(2)



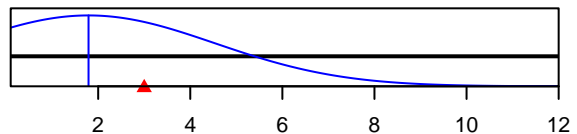
Size_inflection_FISHERY(1)



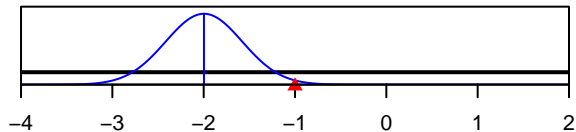
Q_extraSD_SURVEY2(2)



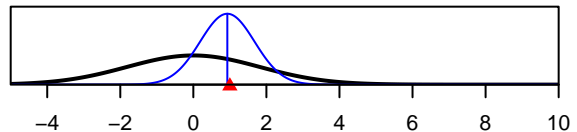
Size_95%width_FISHERY(1)



LnQ_base_SURVEY3(3)



ln(DM_theta)_1



Parameter value