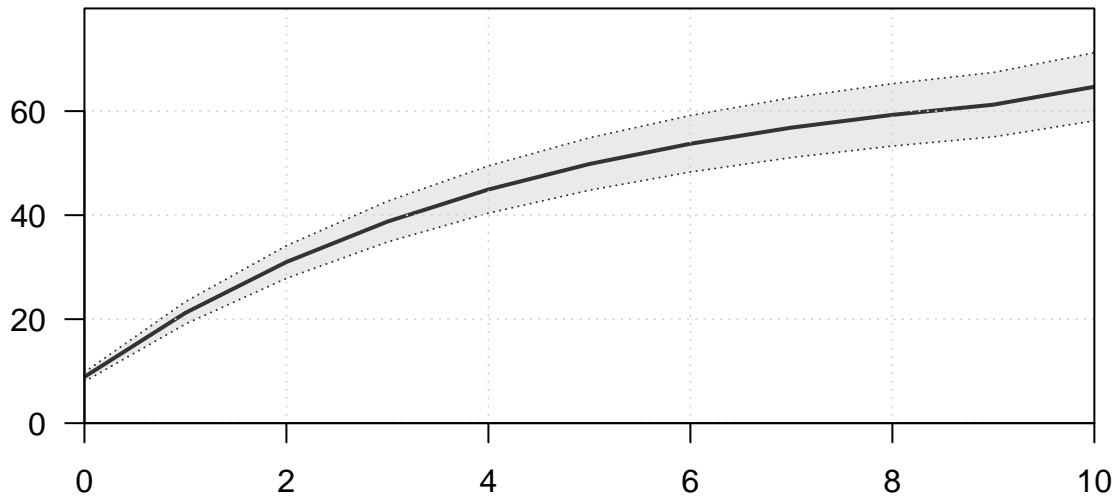
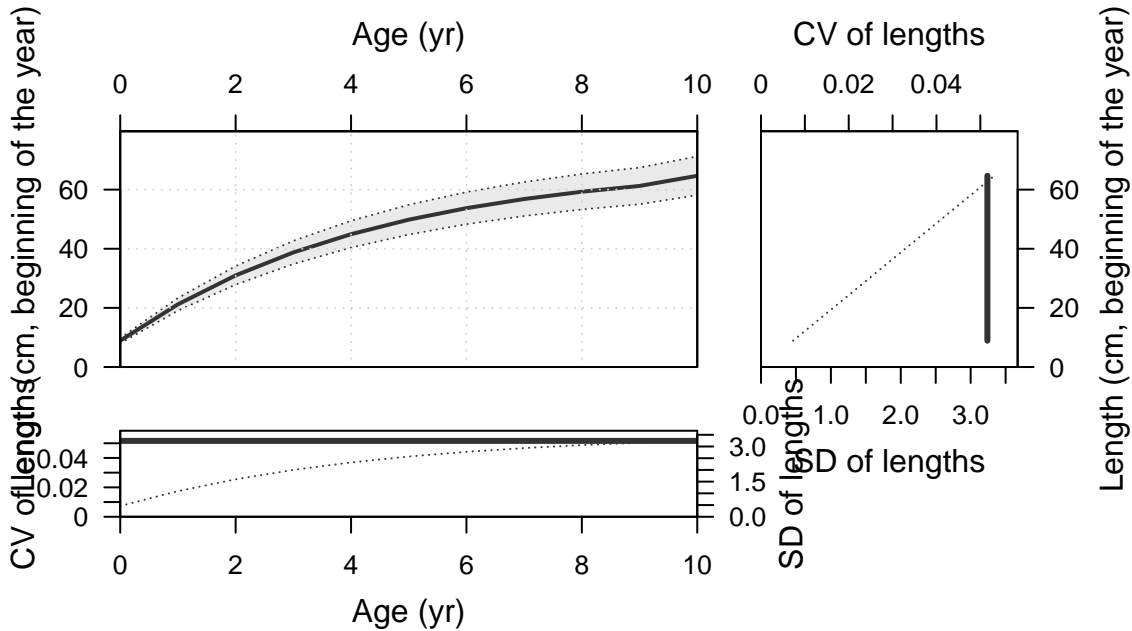


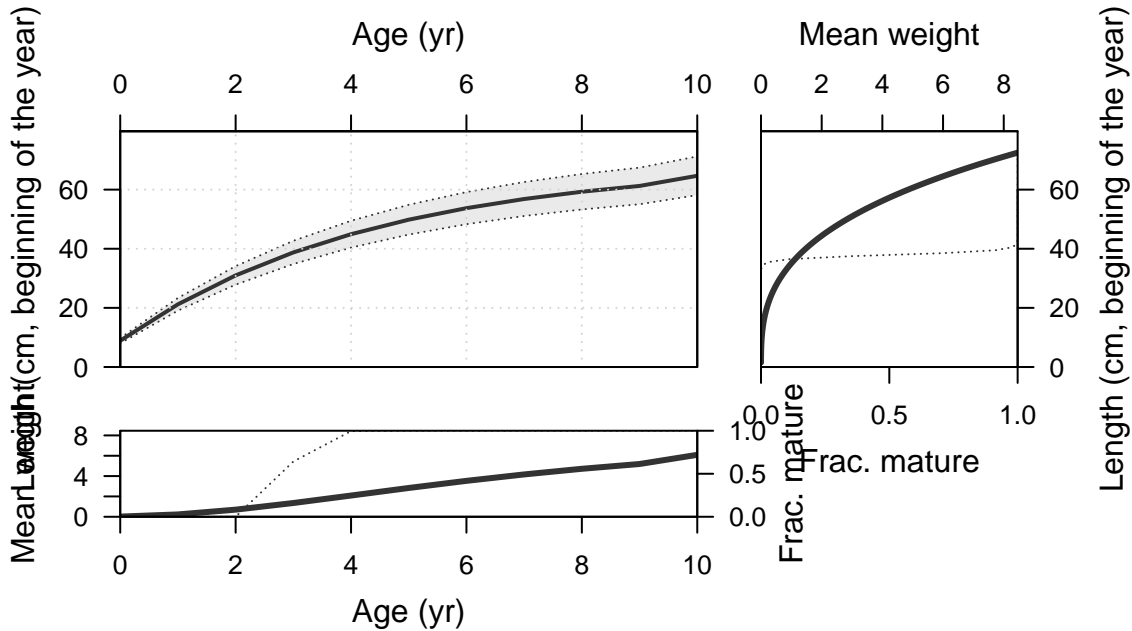
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Sun Feb 05 16:41:55 2023  
Data\_File: data.ss  
Control\_File: control.ss

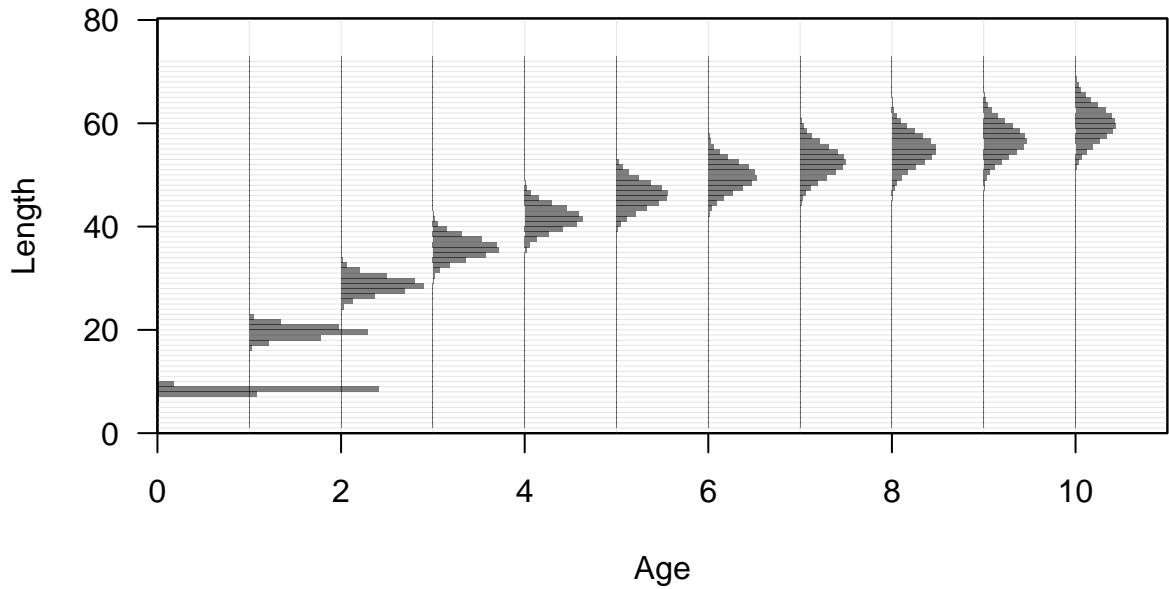
Length (cm, beginning of the year)

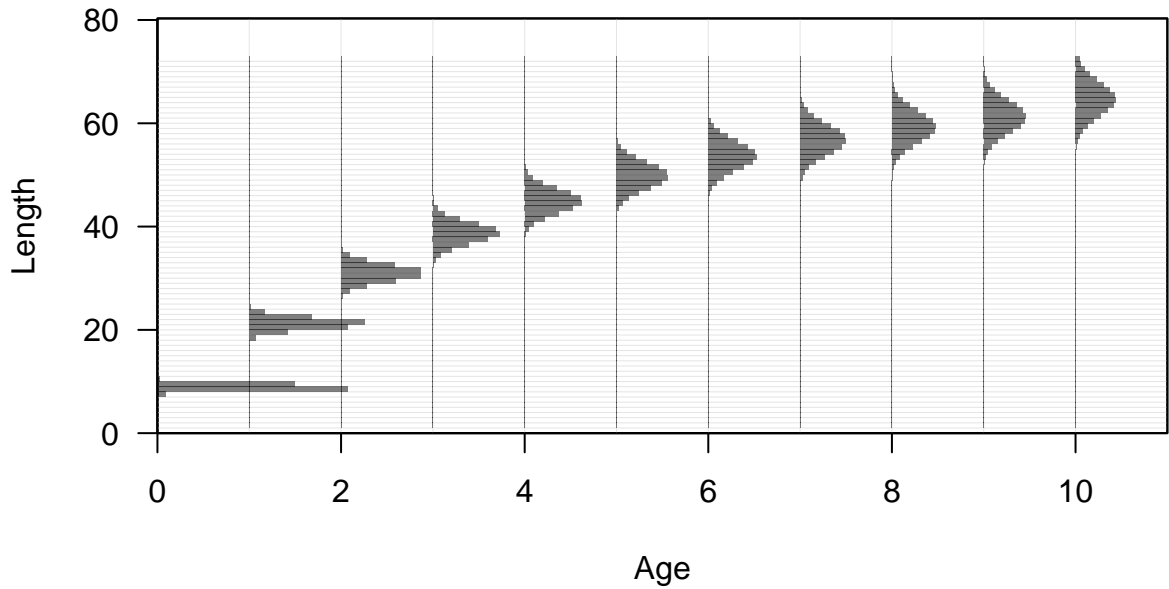


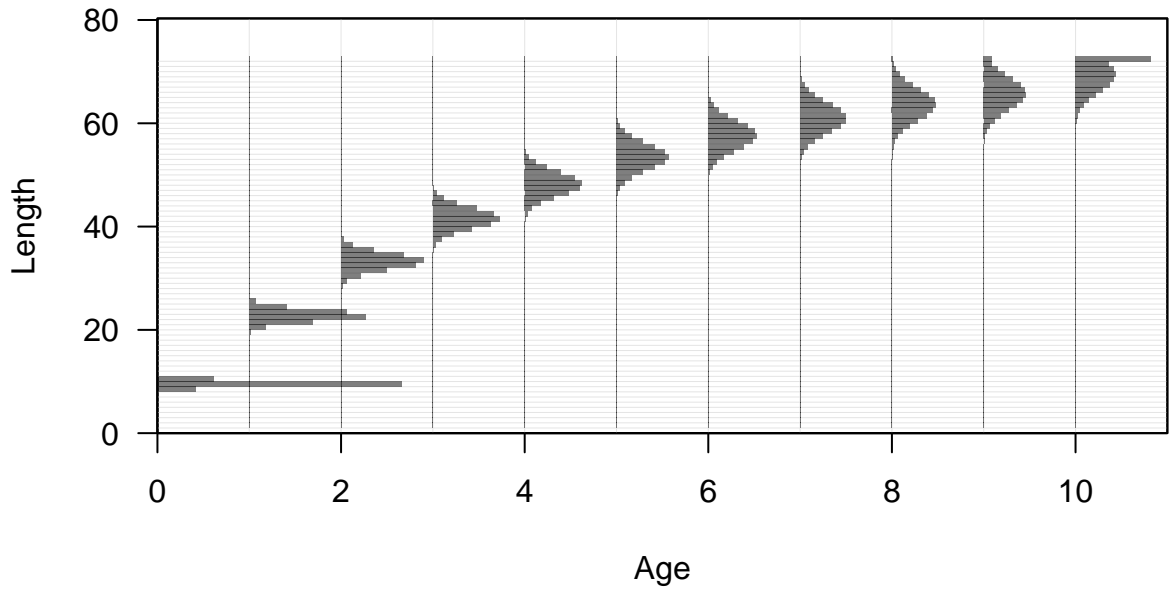
Age (yr)

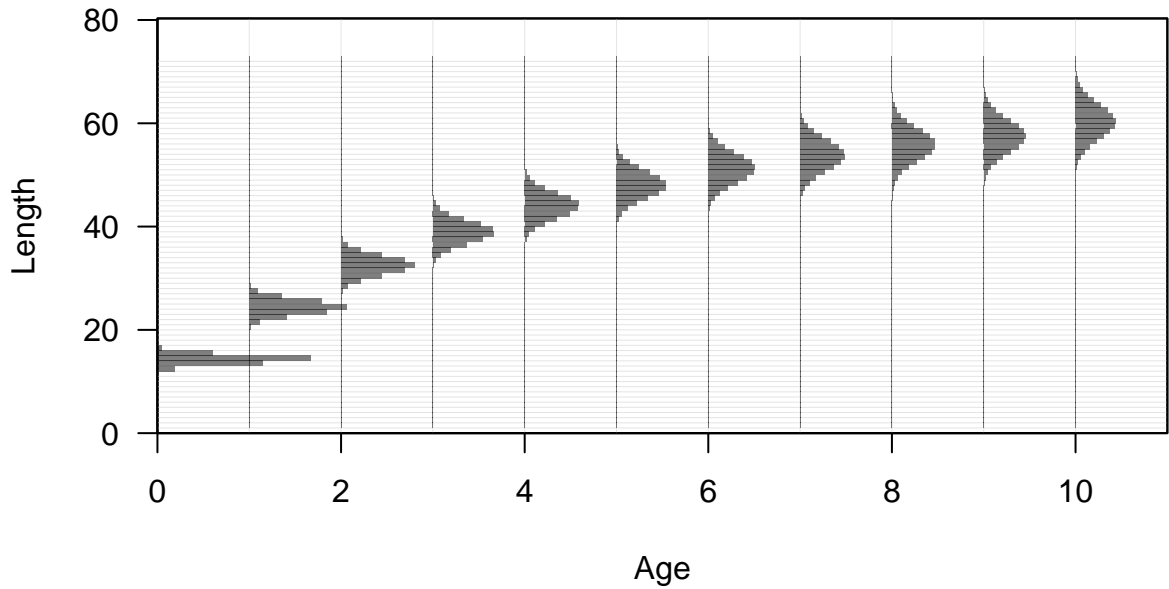




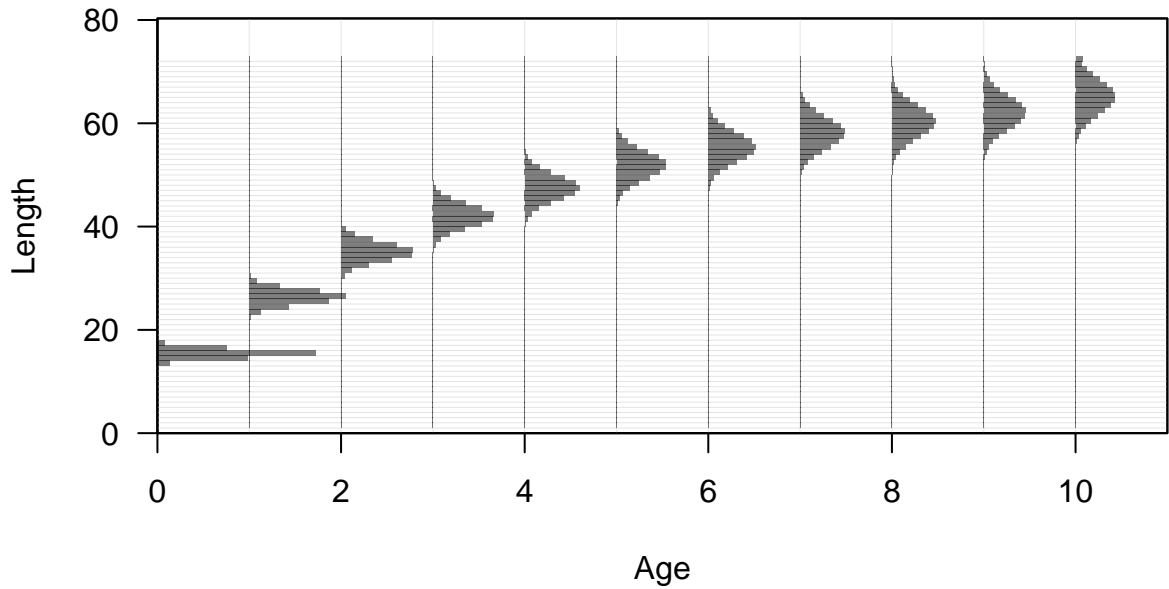


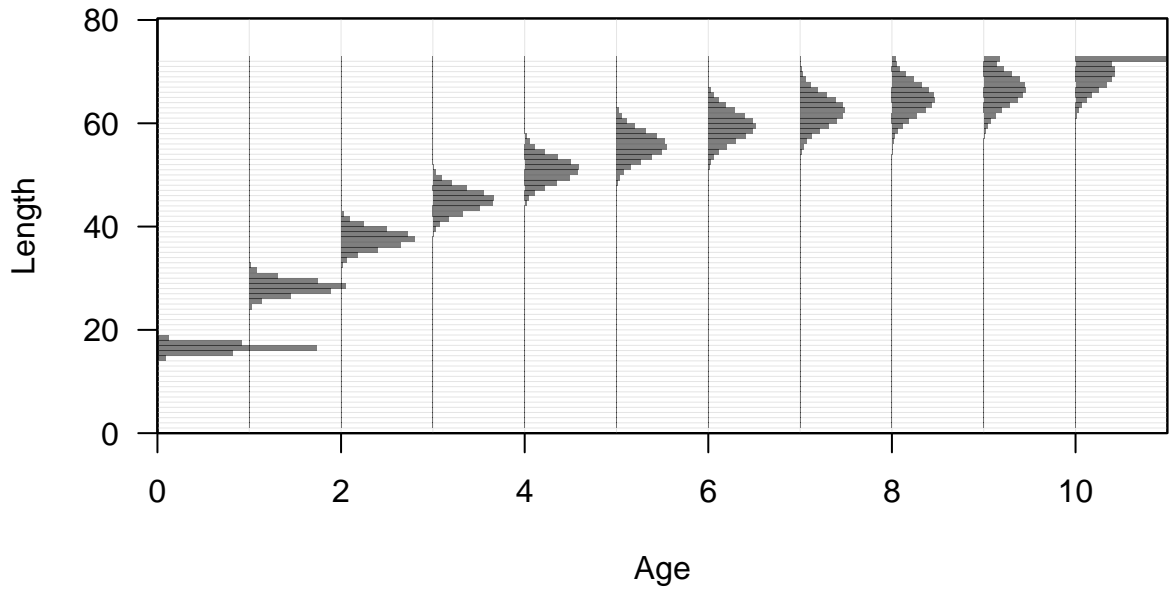


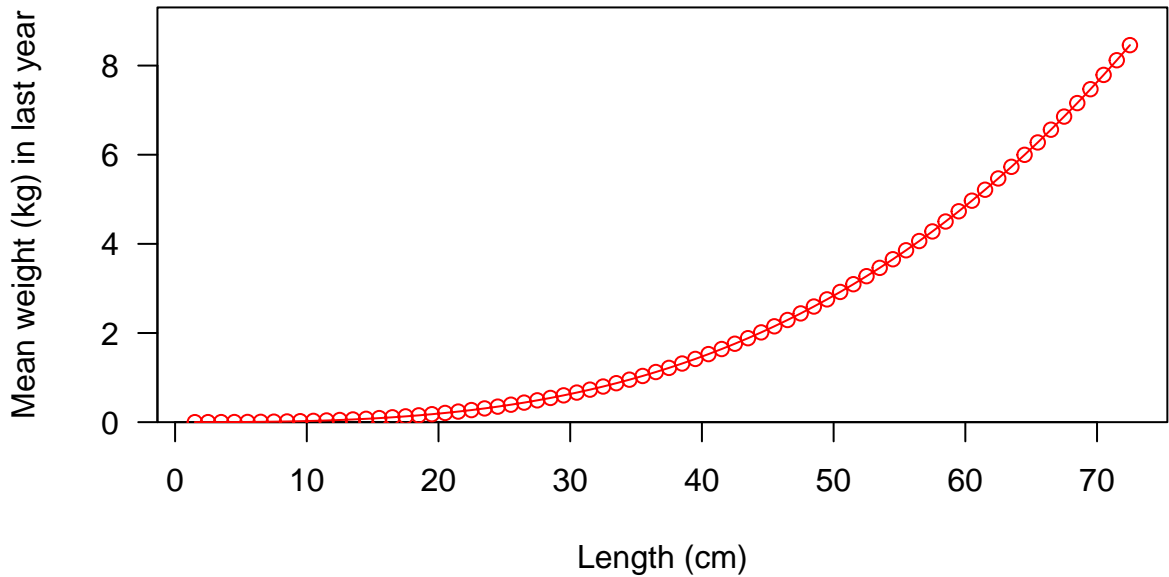


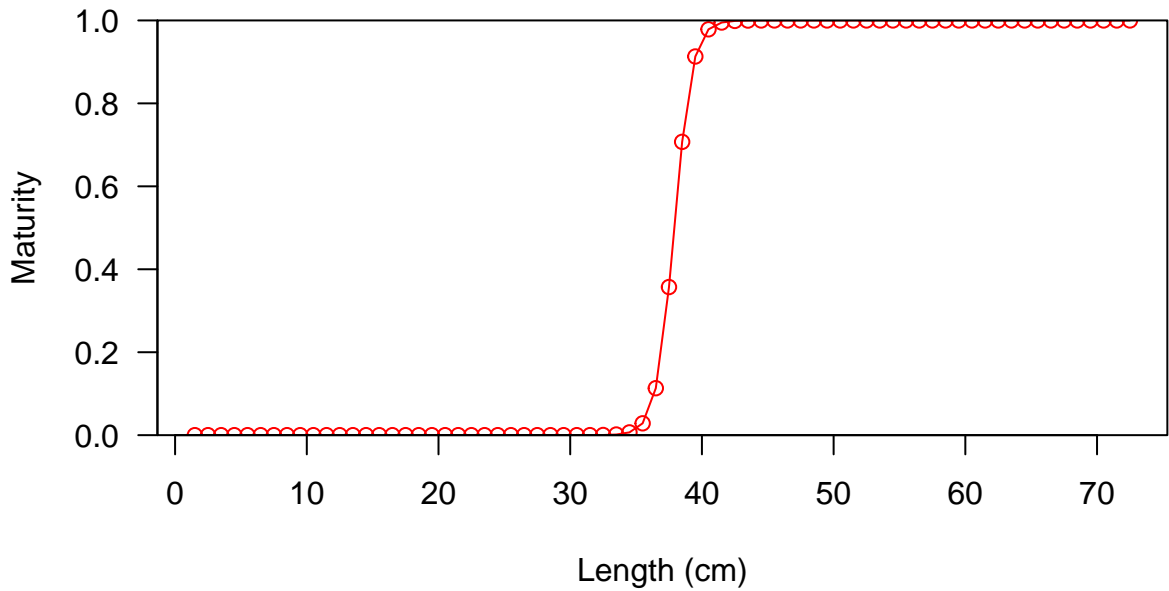


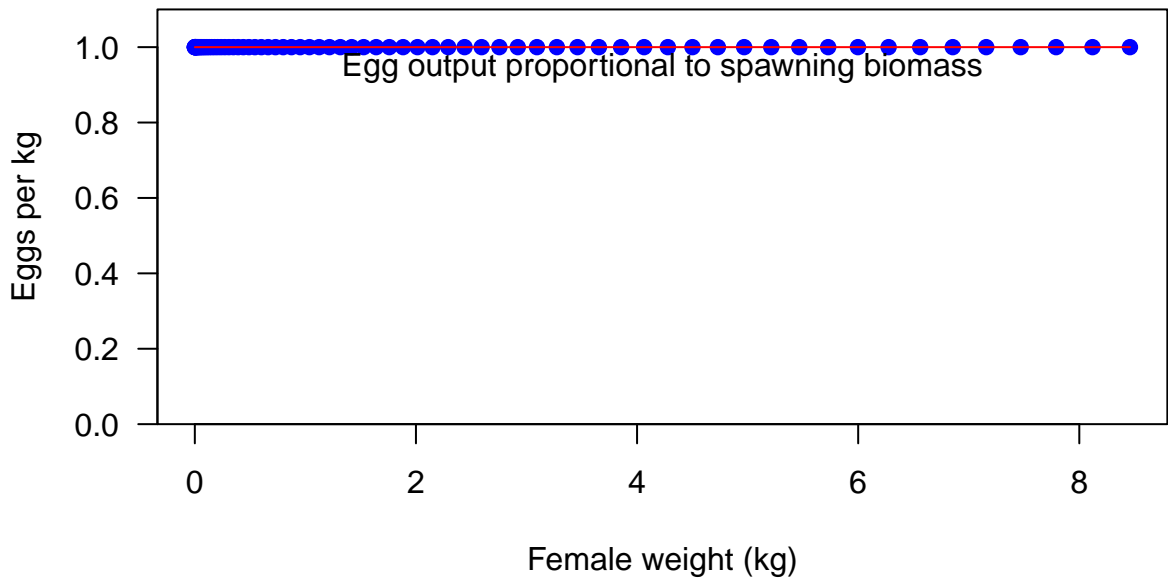




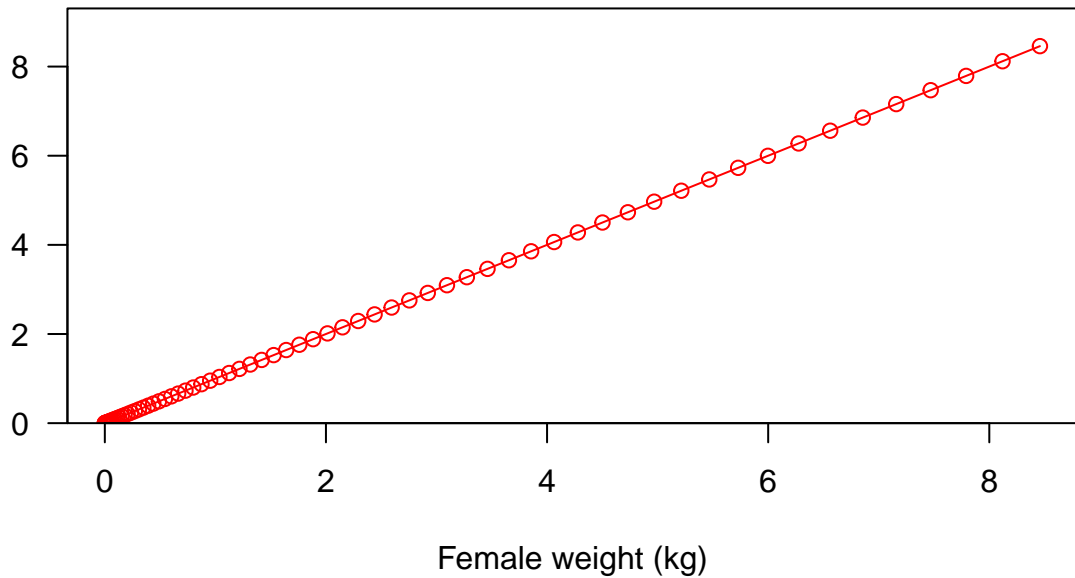




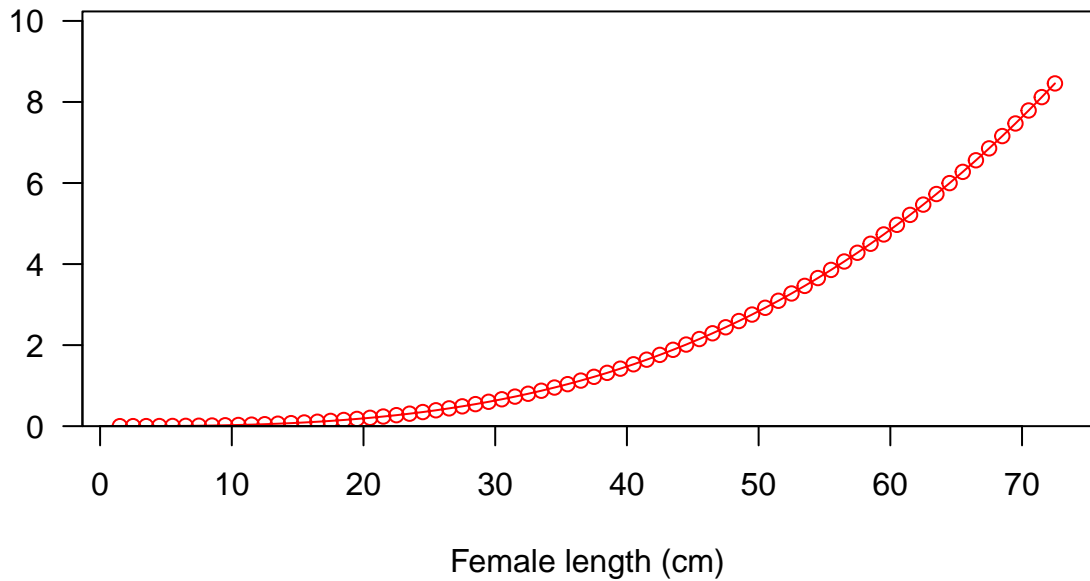




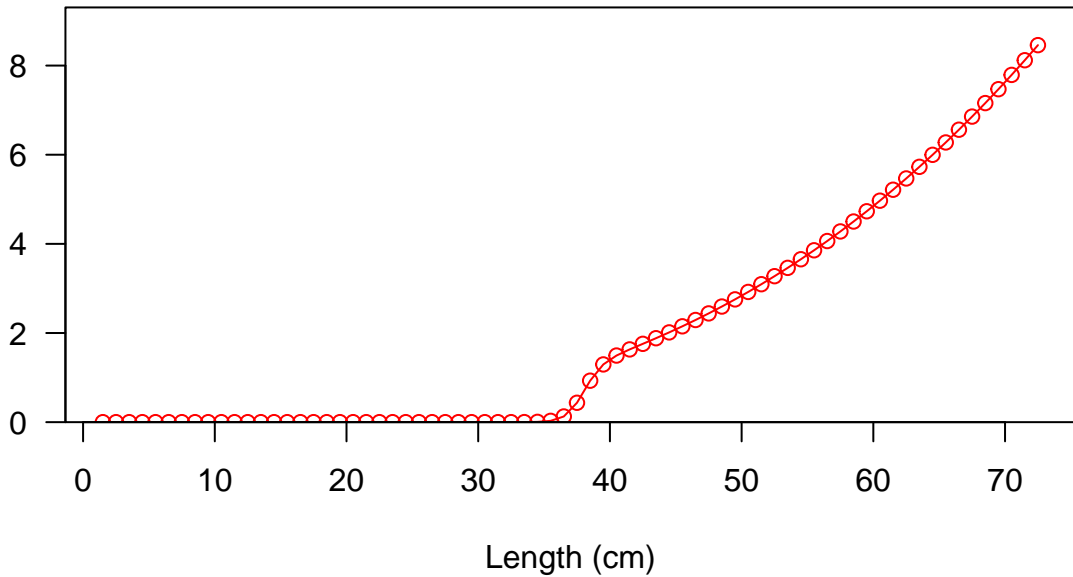
Fecundity



Fecundity

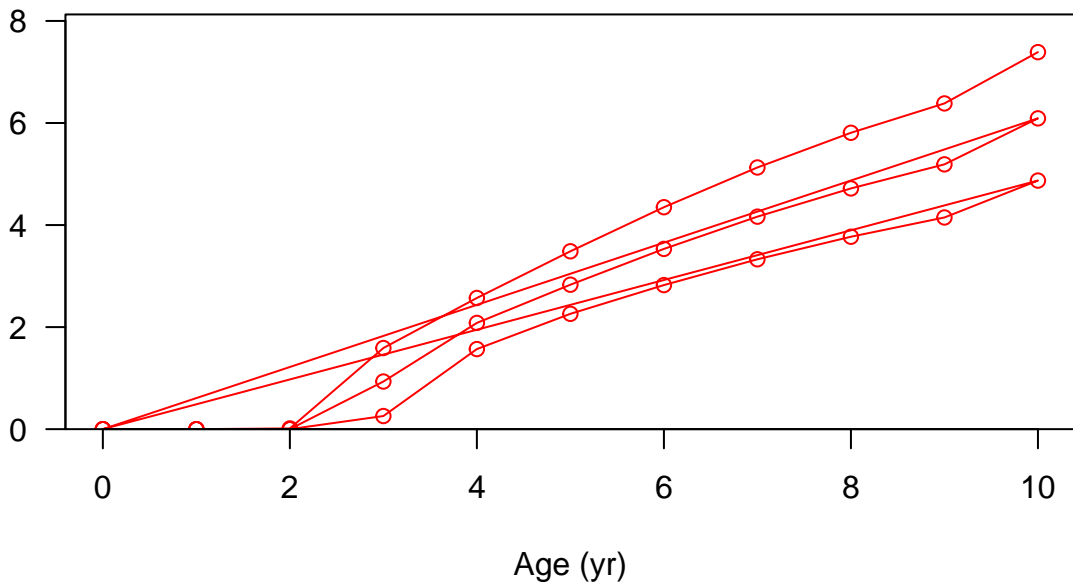


Spawning output

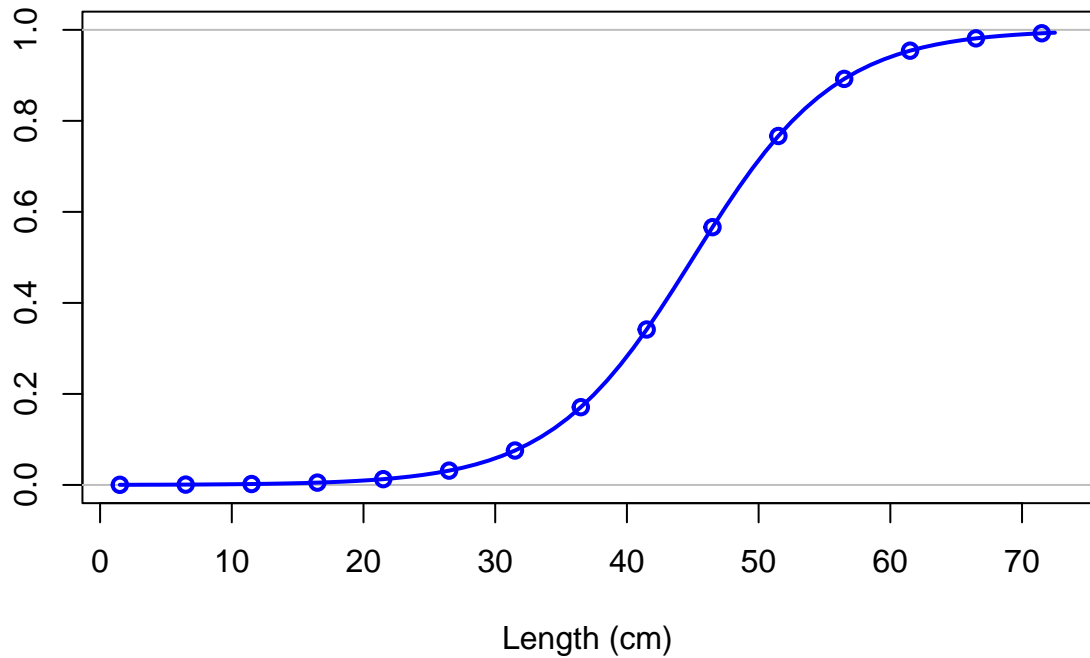




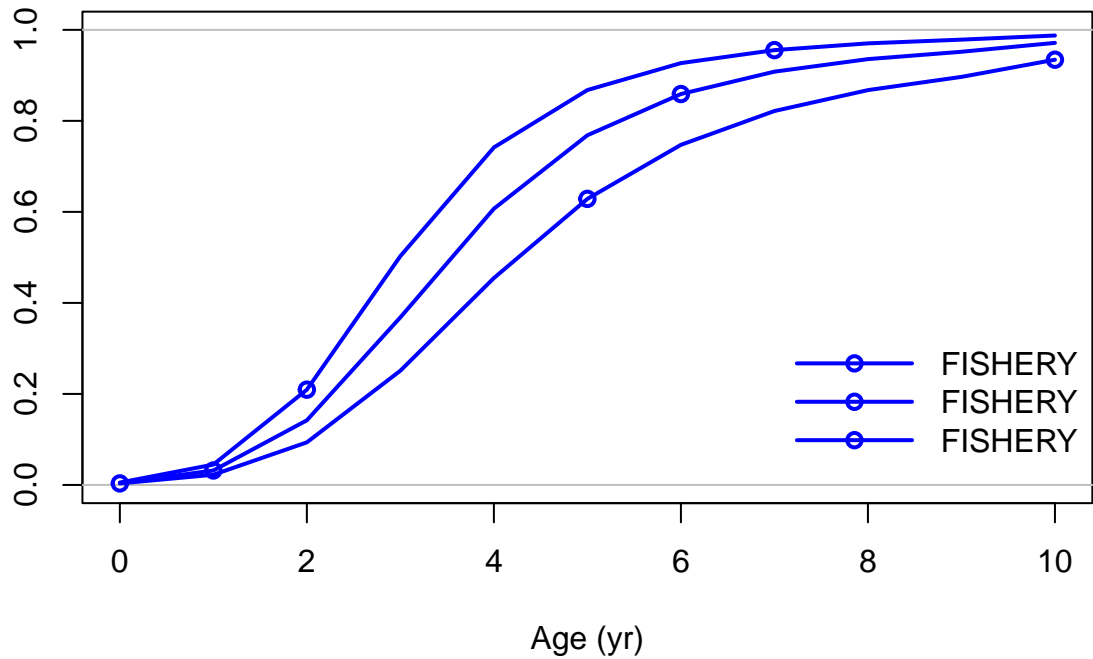
Spawning output



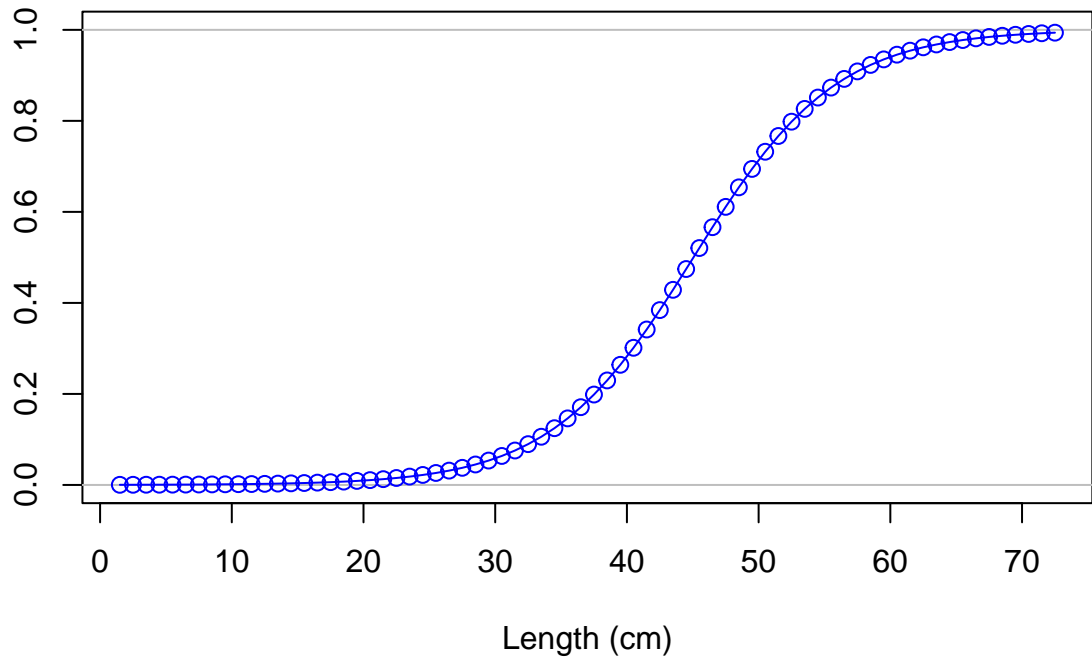
Selectivity

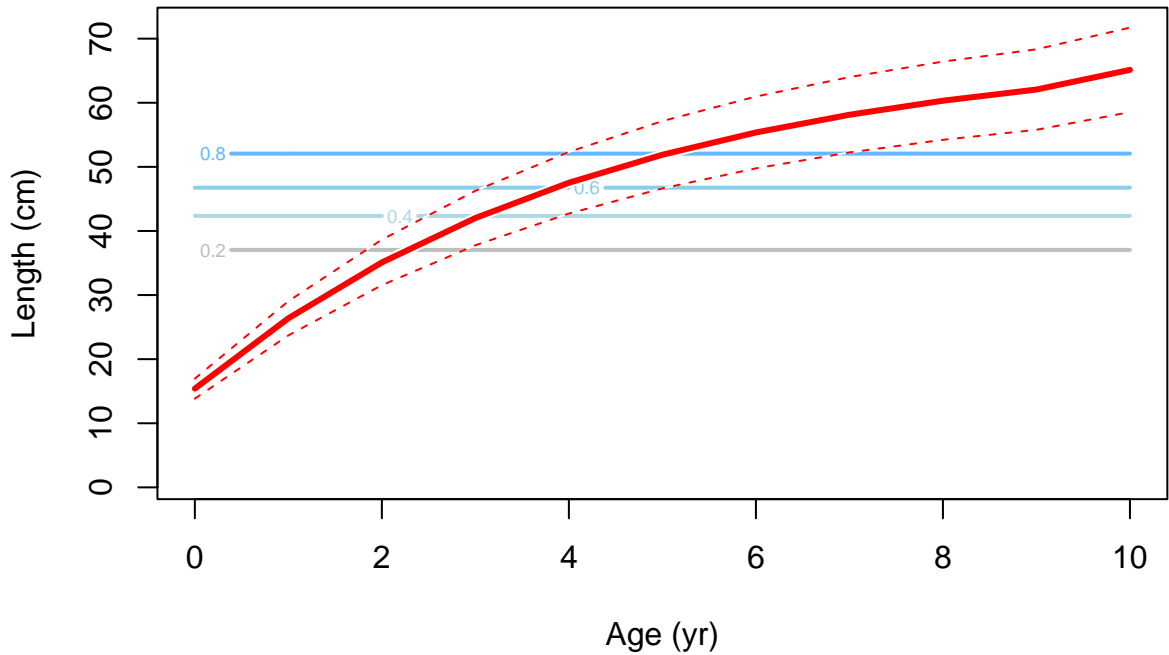


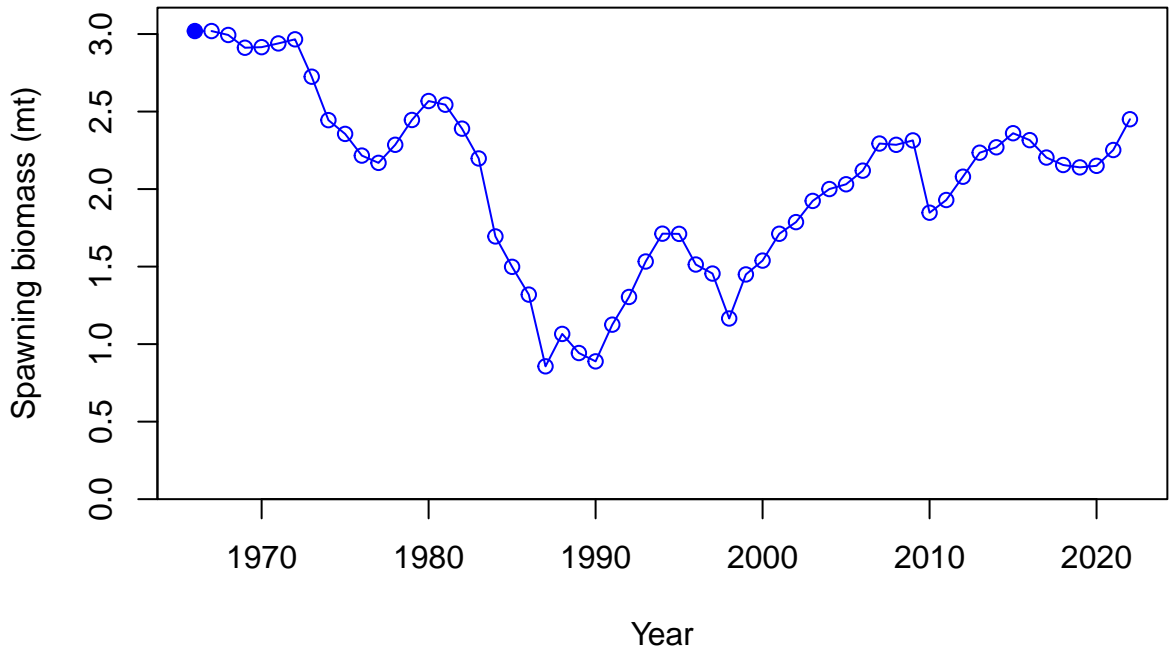
Selectivity



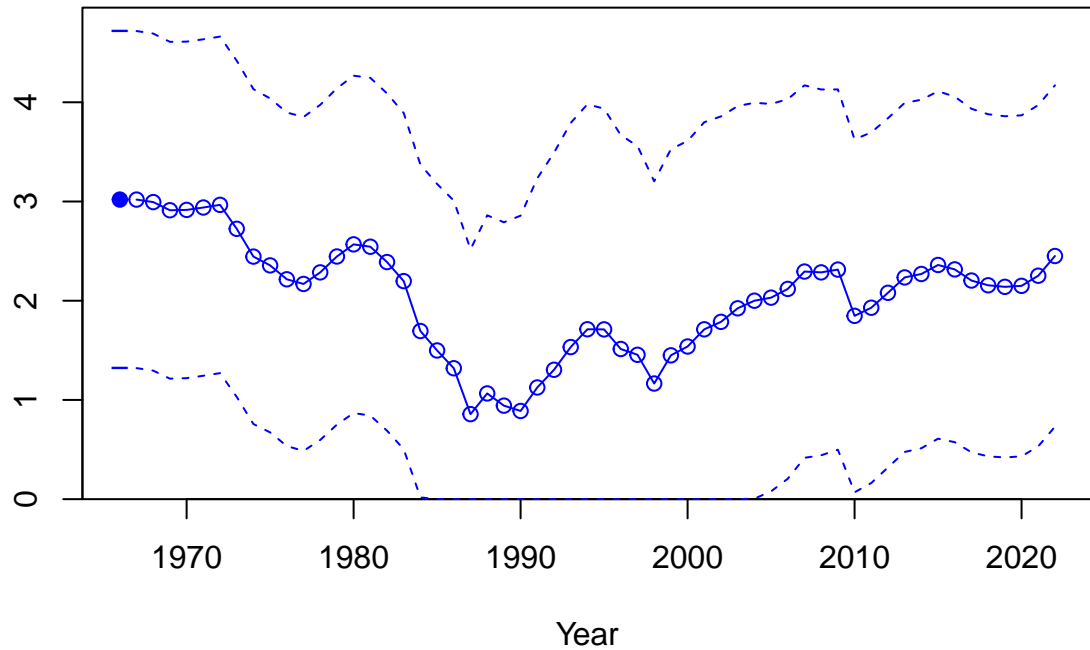
Selectivity



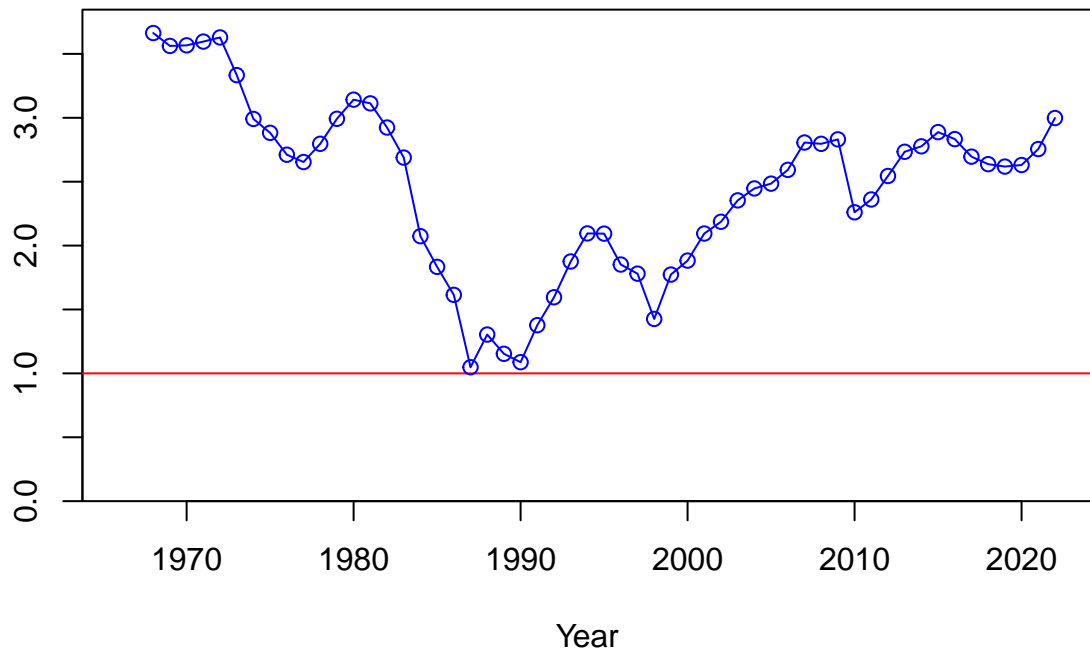




Spawning biomass (mt)

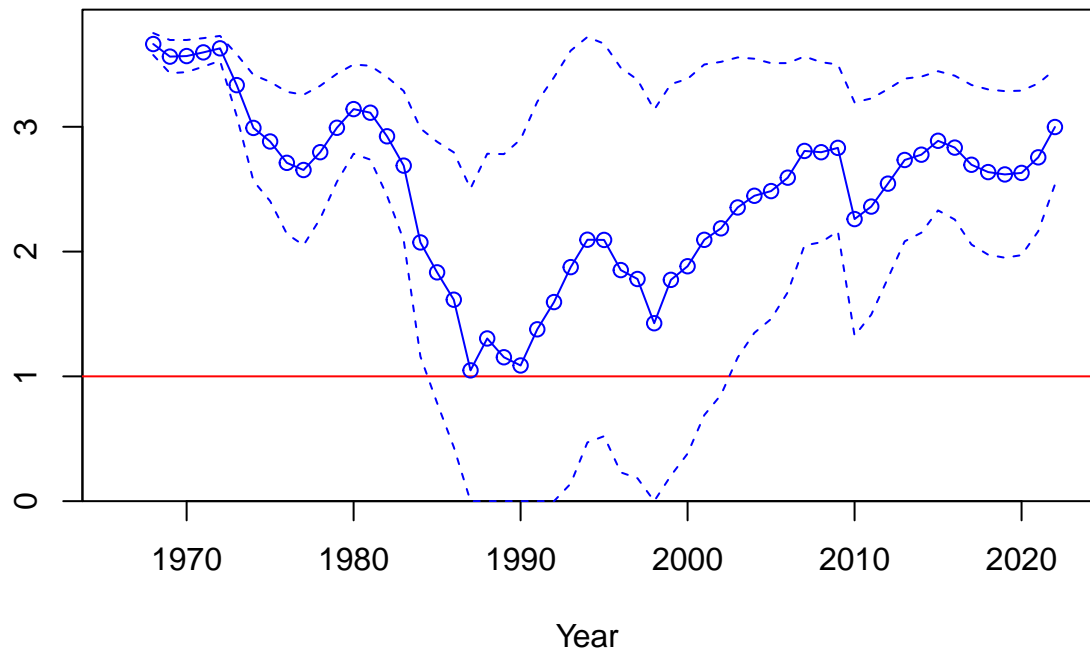


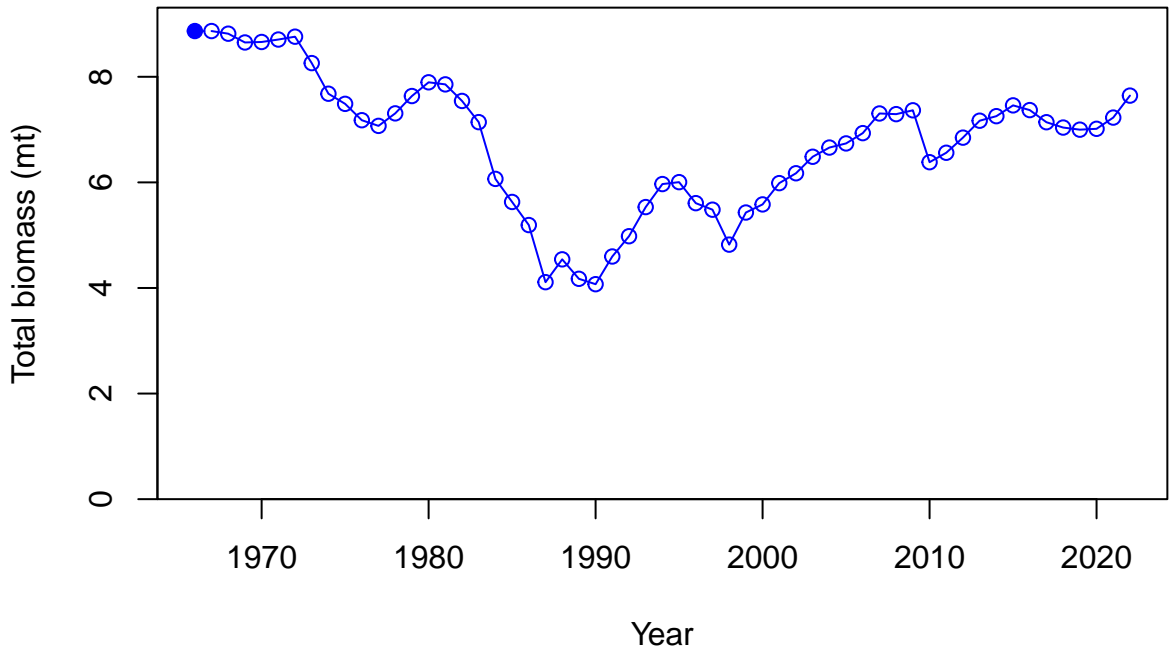
Relative spawning biomass:  $B/B_{MSY}$

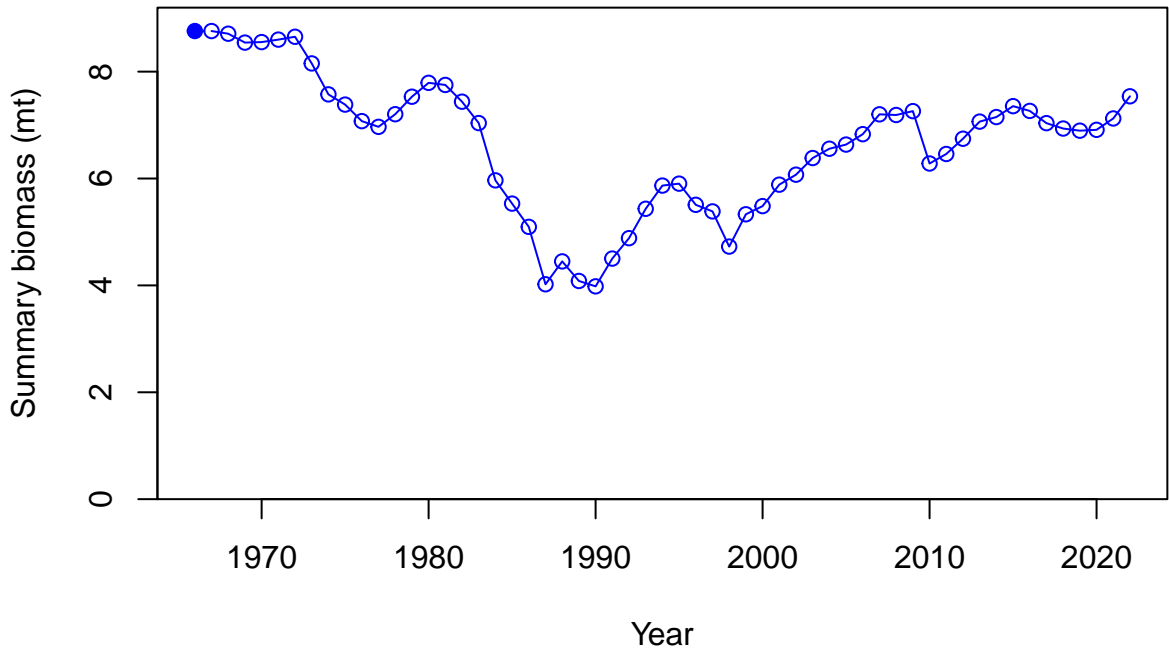




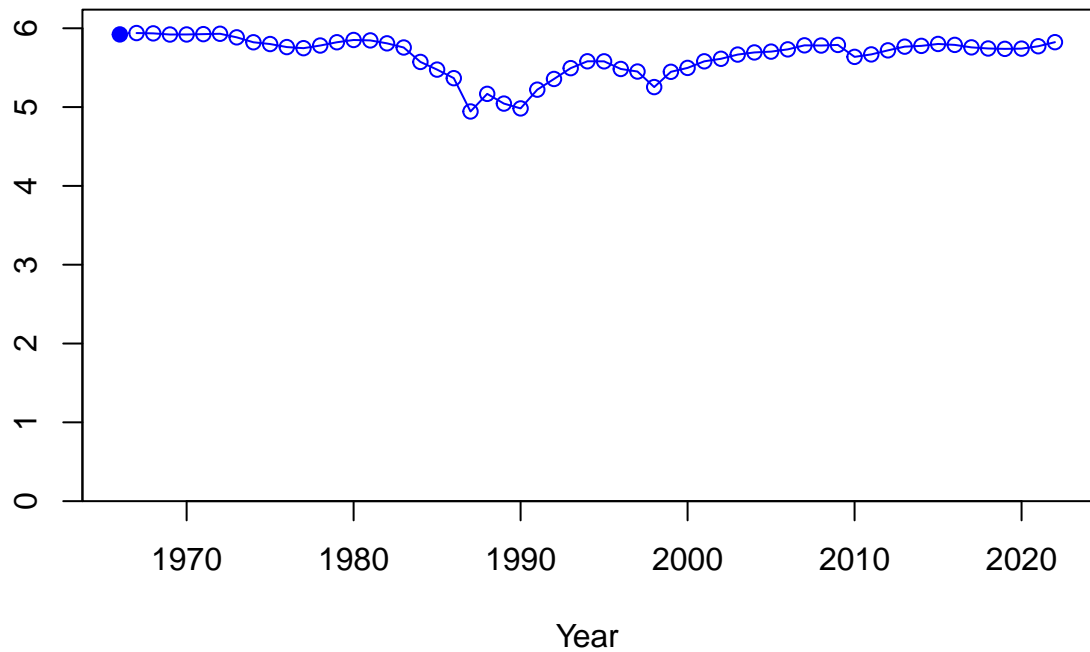
Relative spawning biomass:  $B/B_{MSY}$

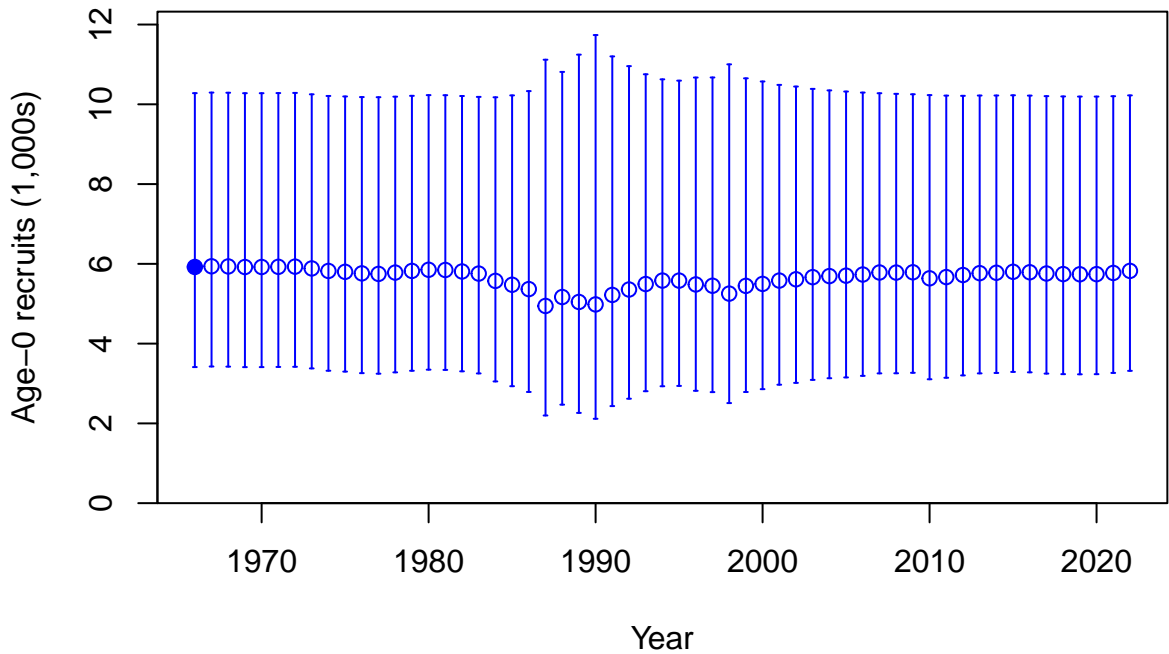




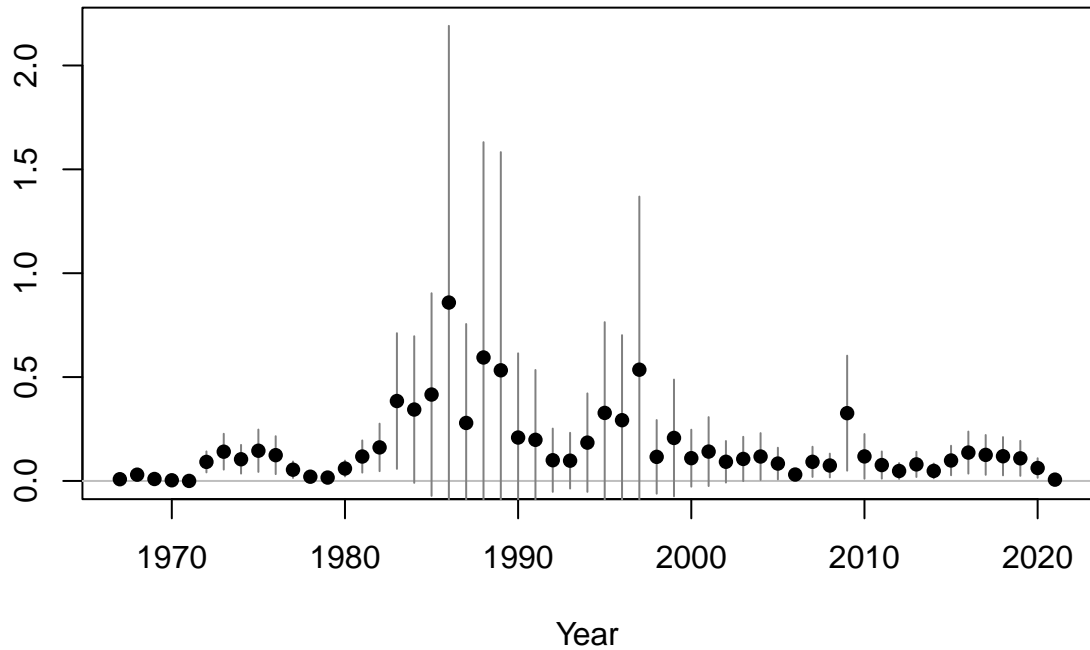


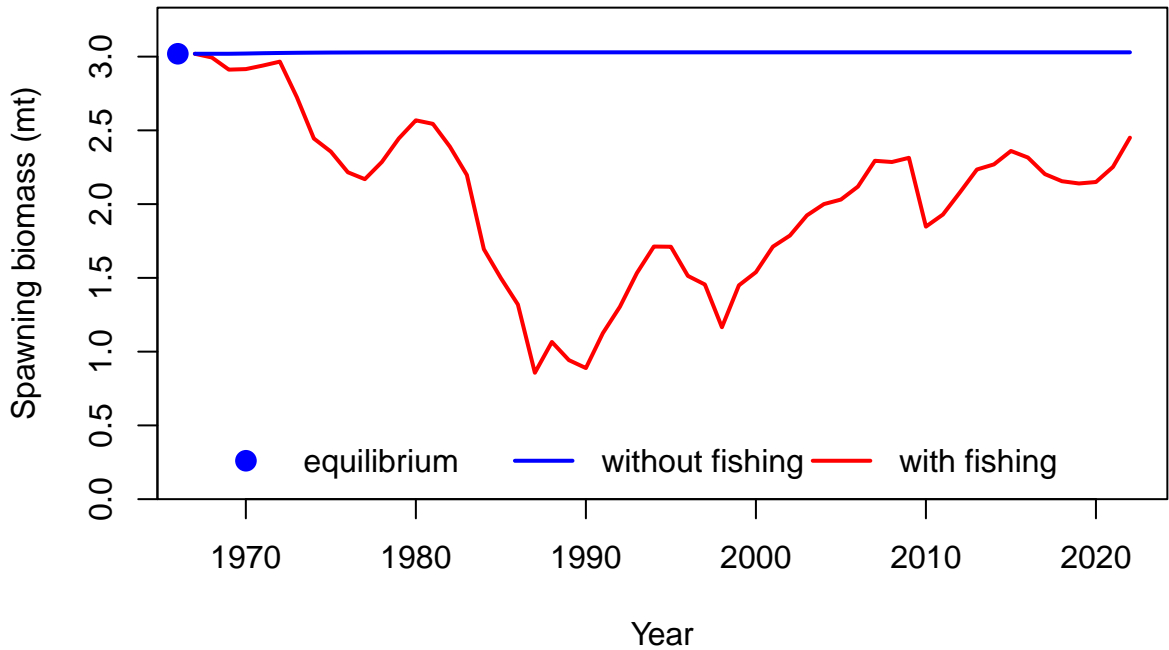
Age-0 recruits (1,000s)

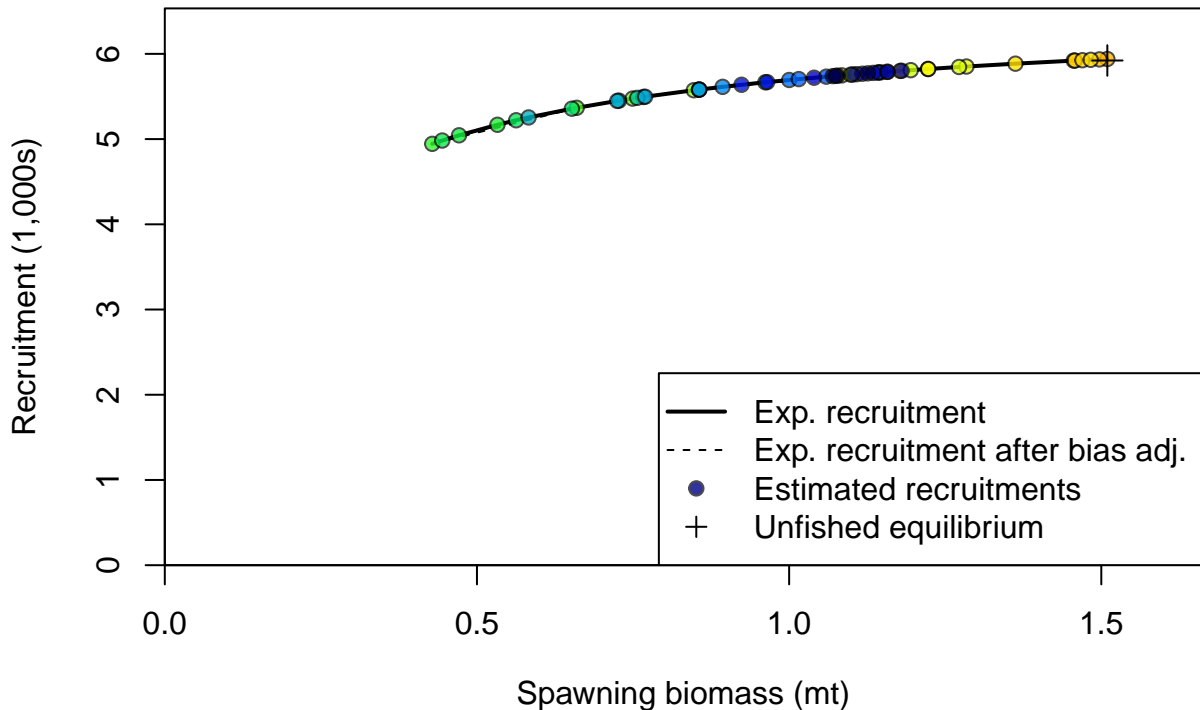




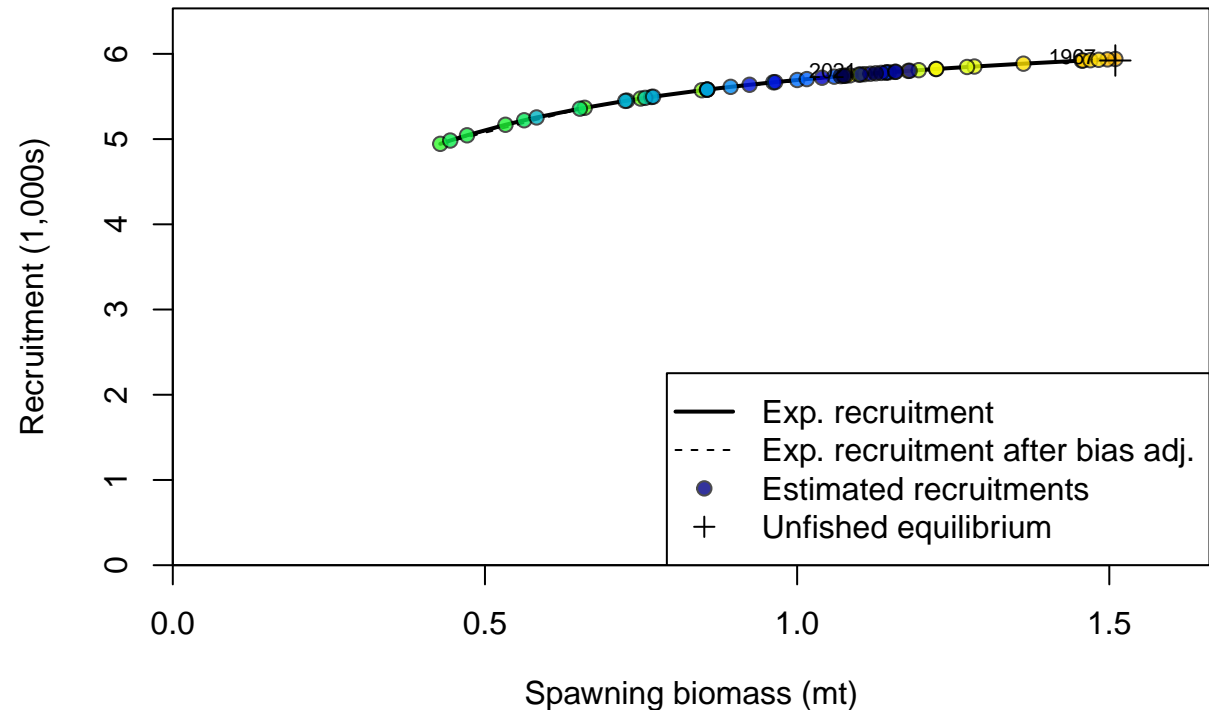
Summary Fishing Mortality

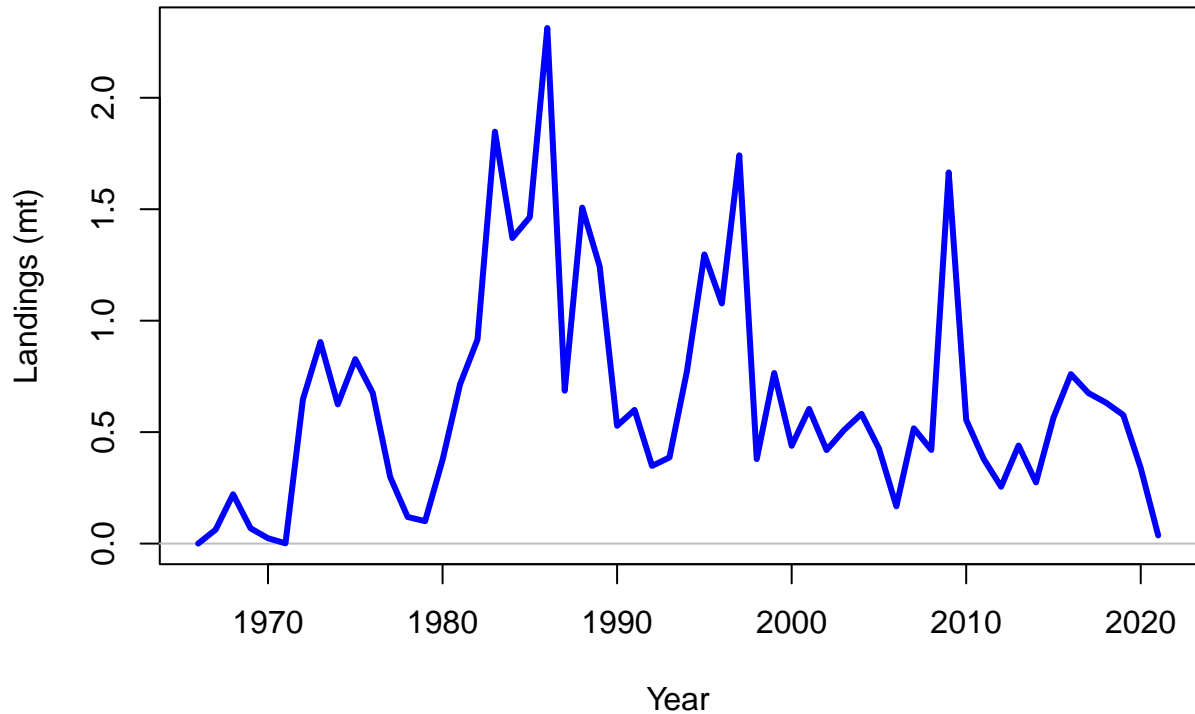


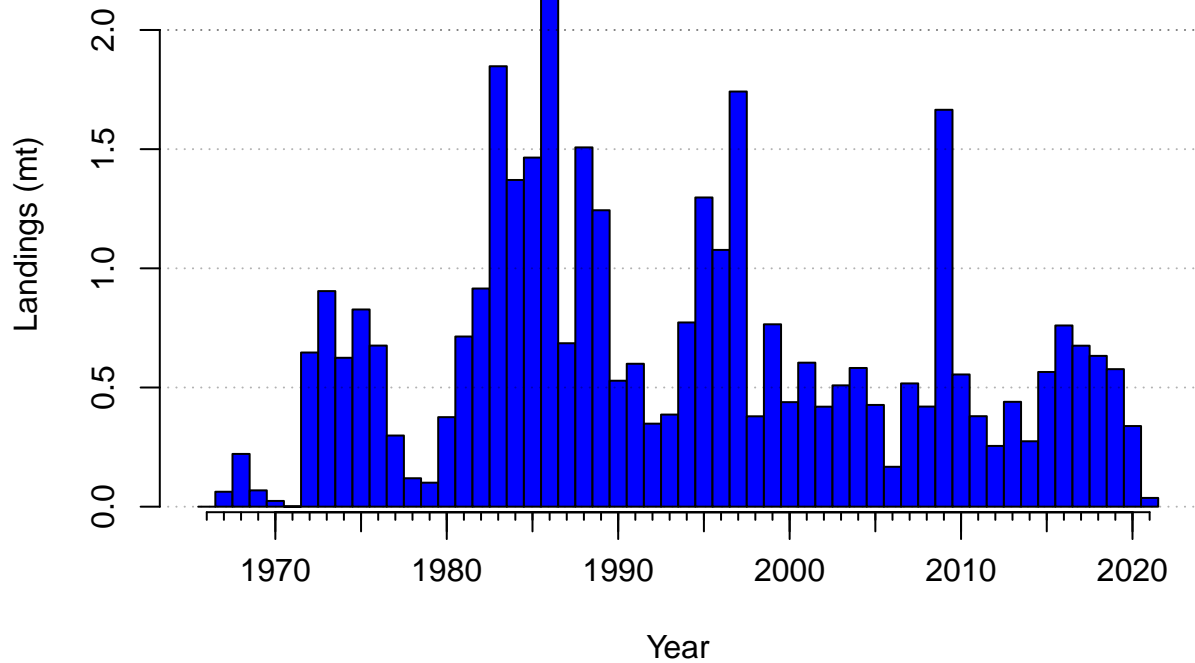


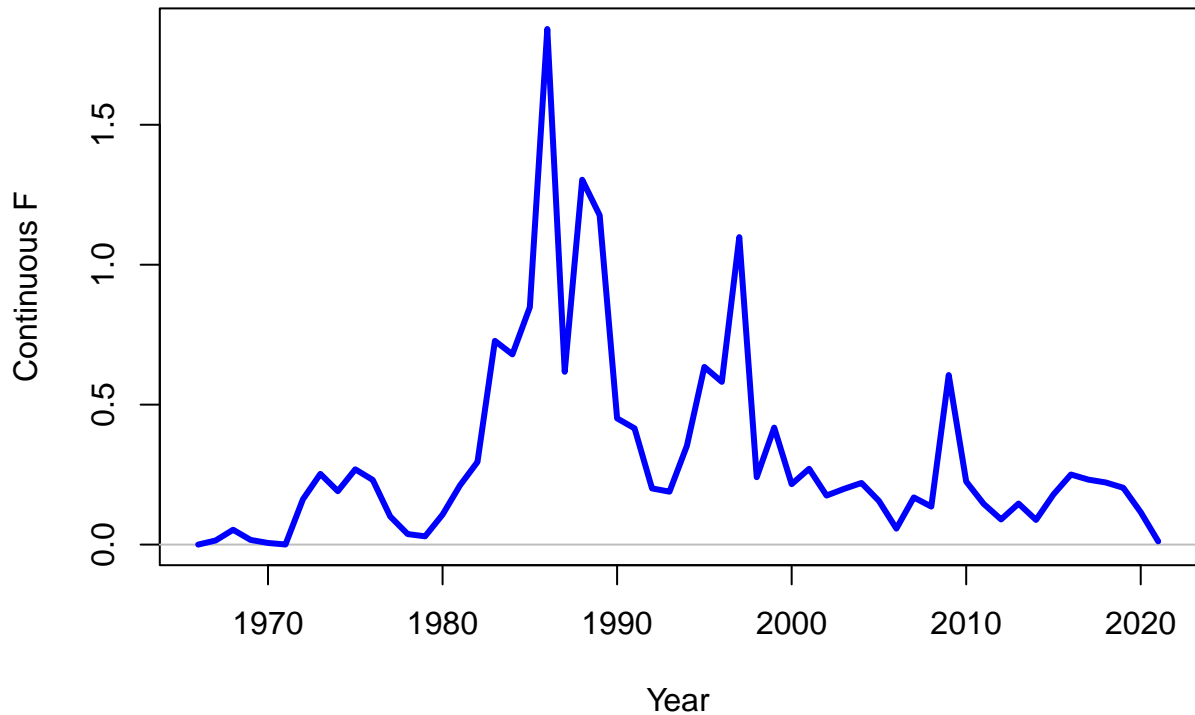




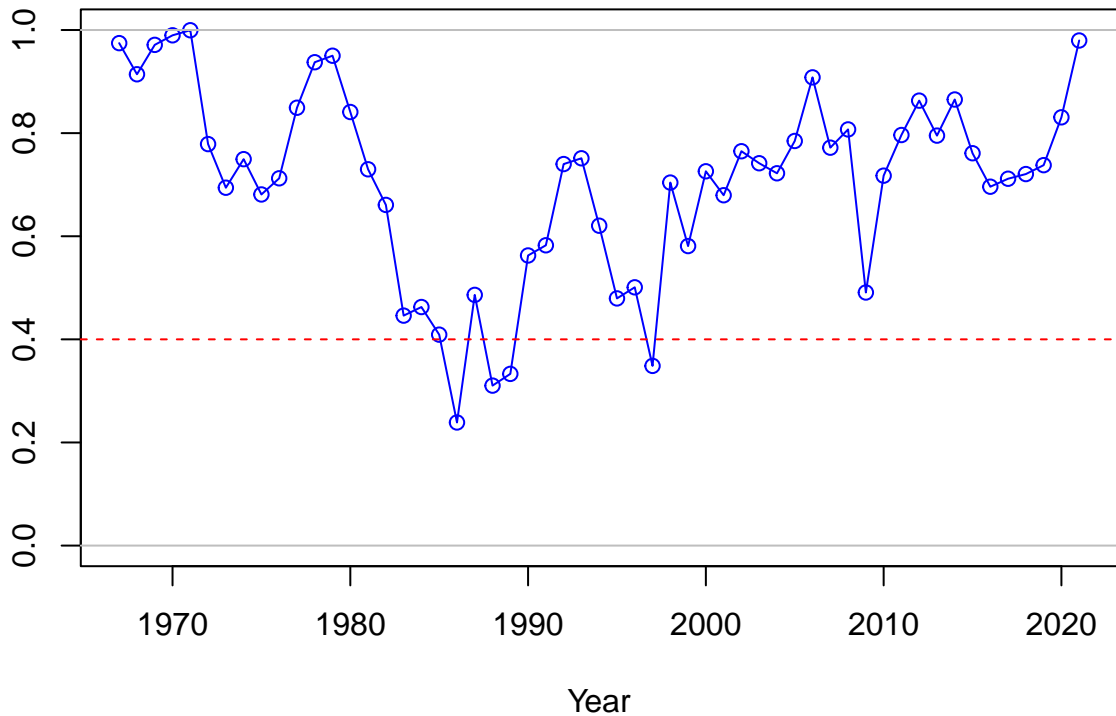




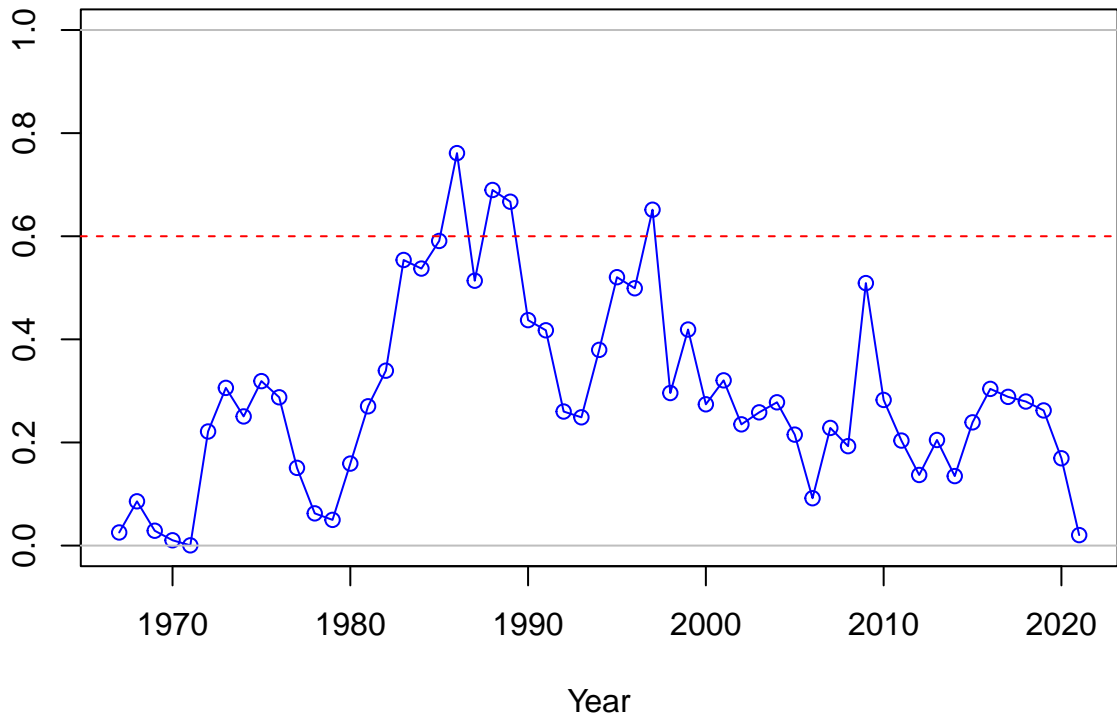




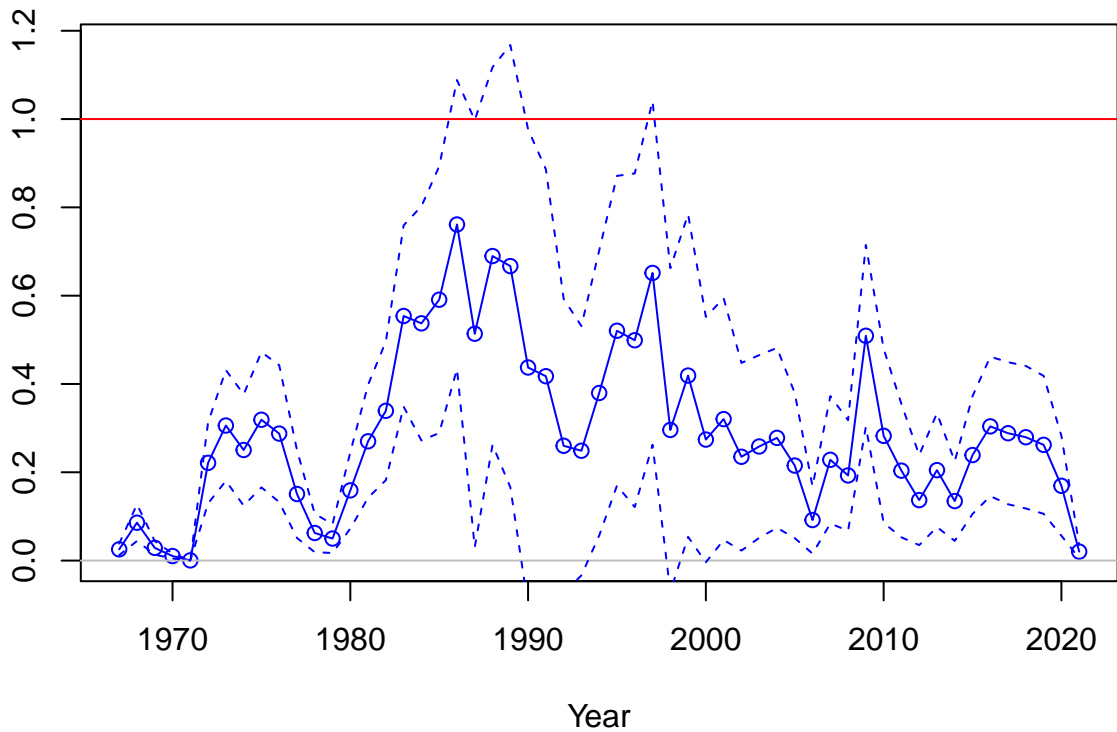
SPR



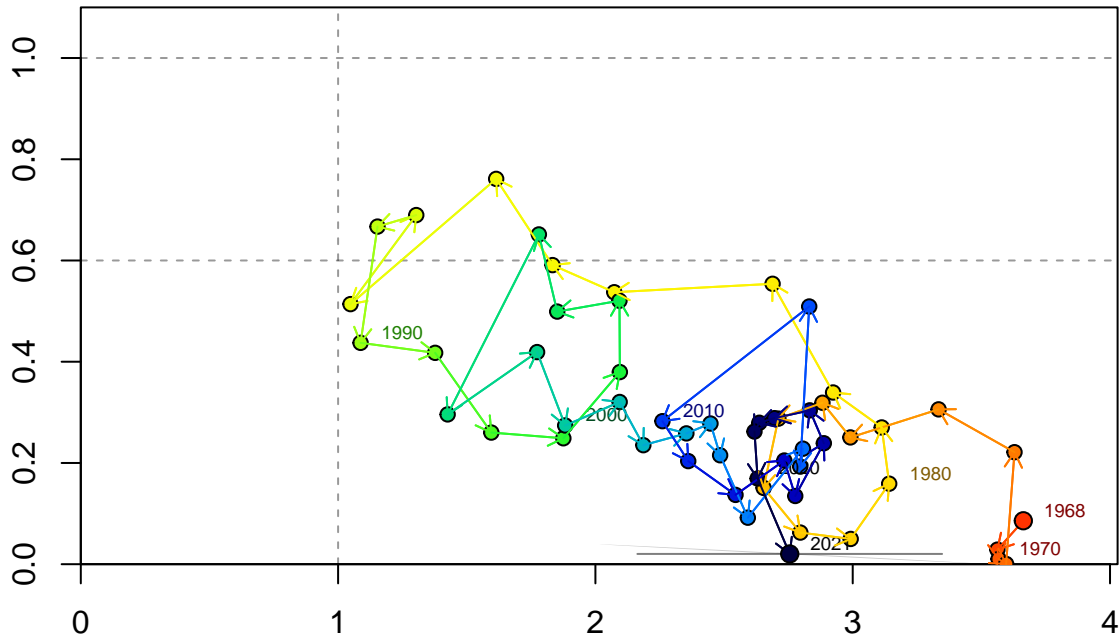
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR



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



Index

5  
4  
3  
2  
1  
0

2016

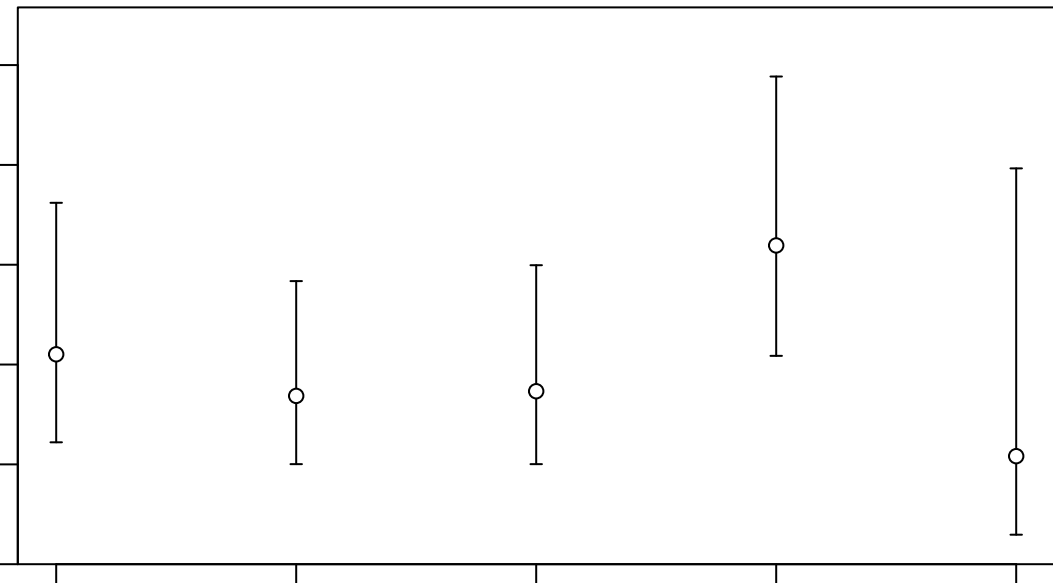
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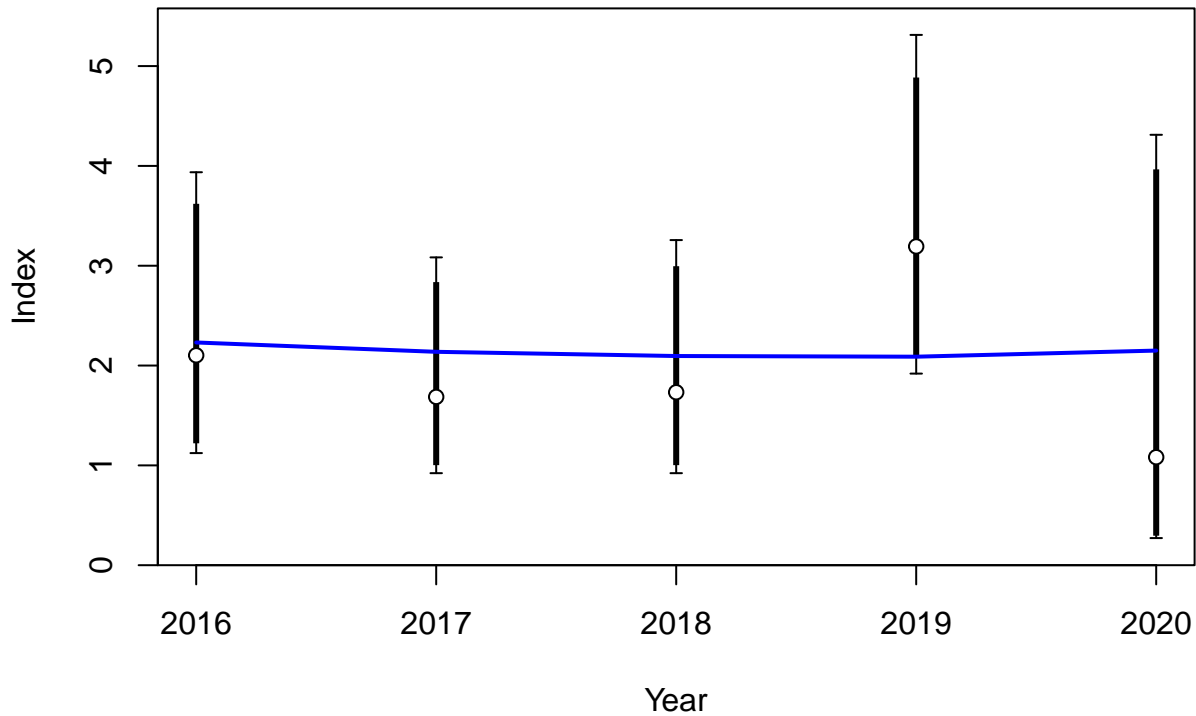
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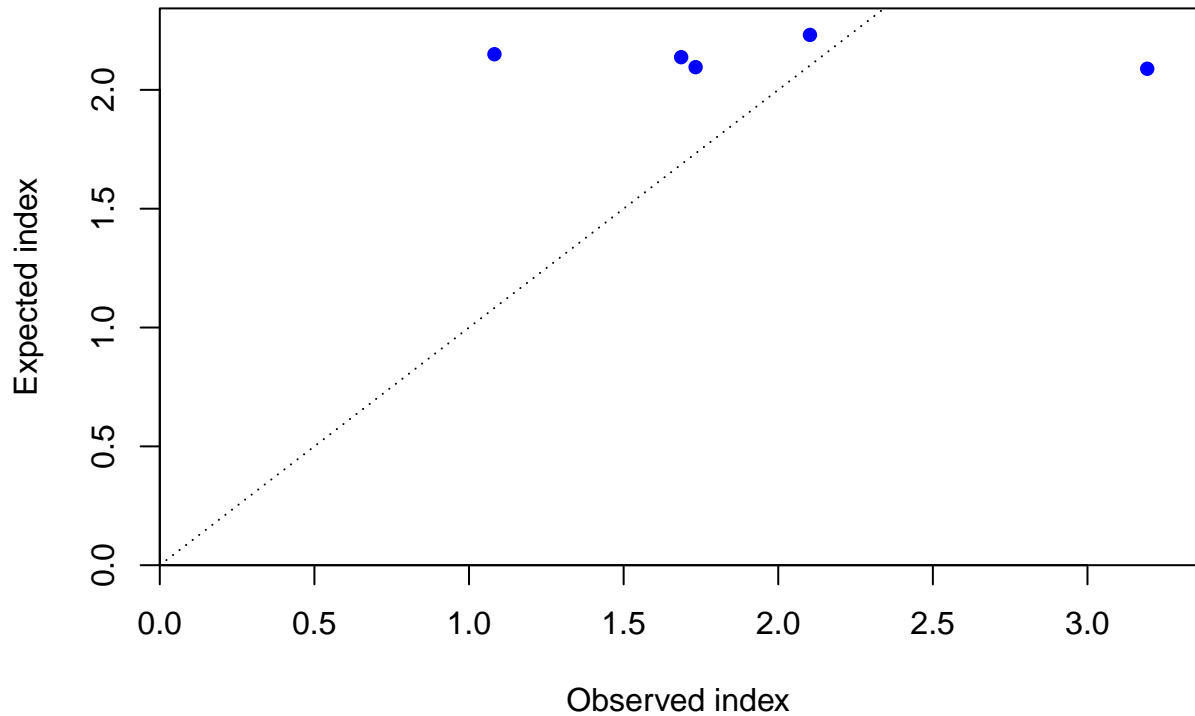
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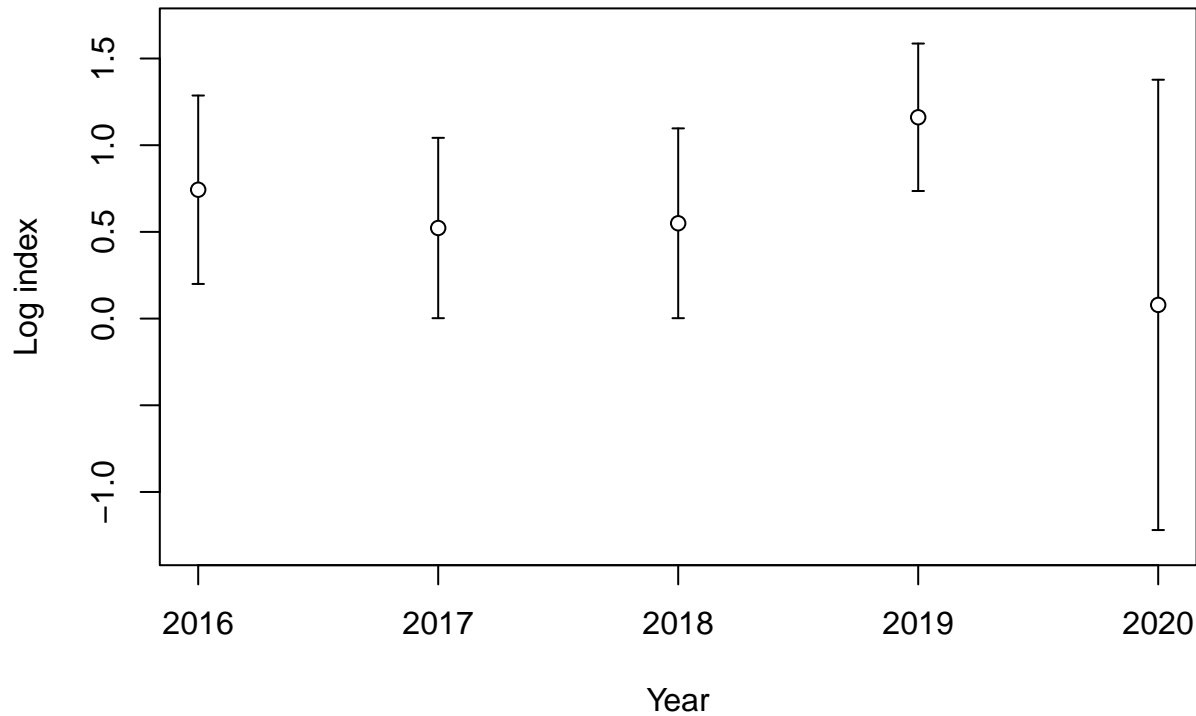
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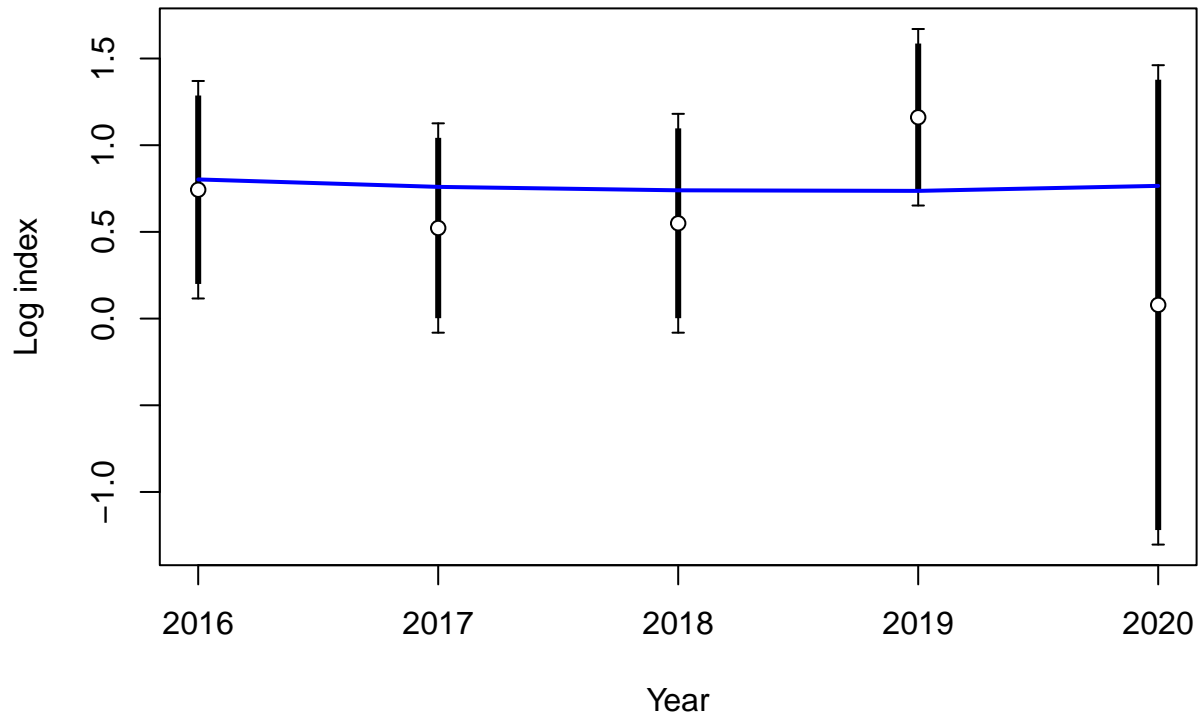
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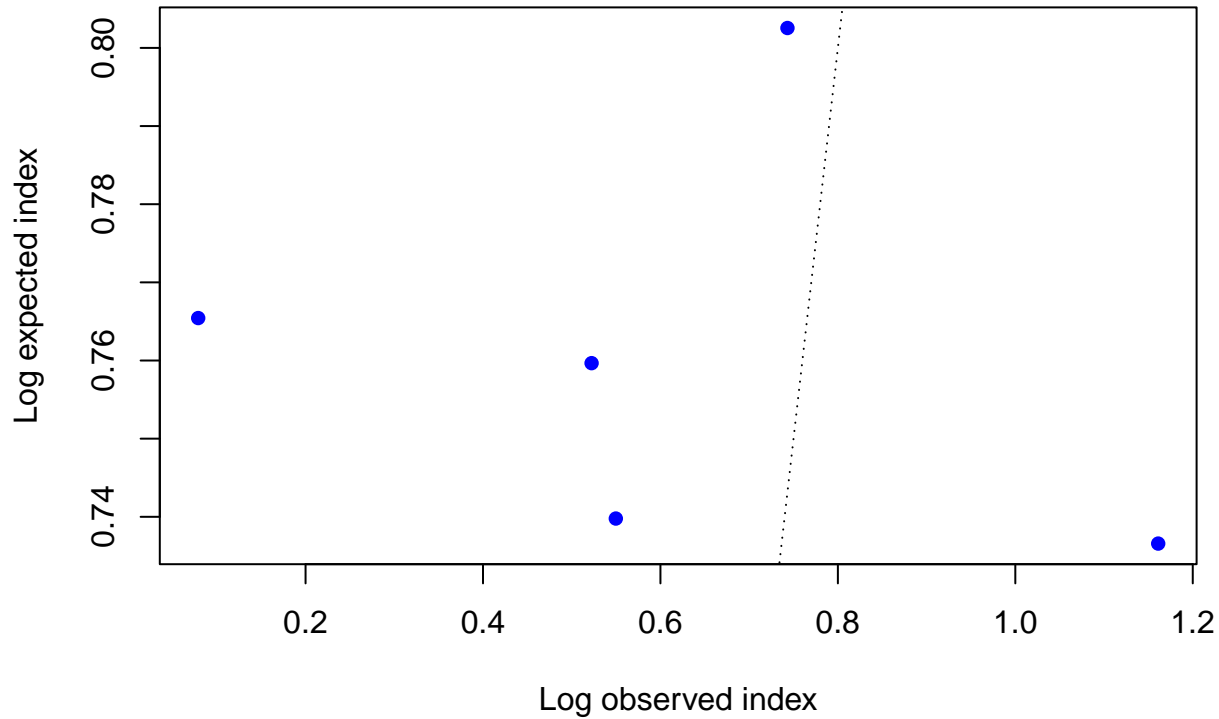


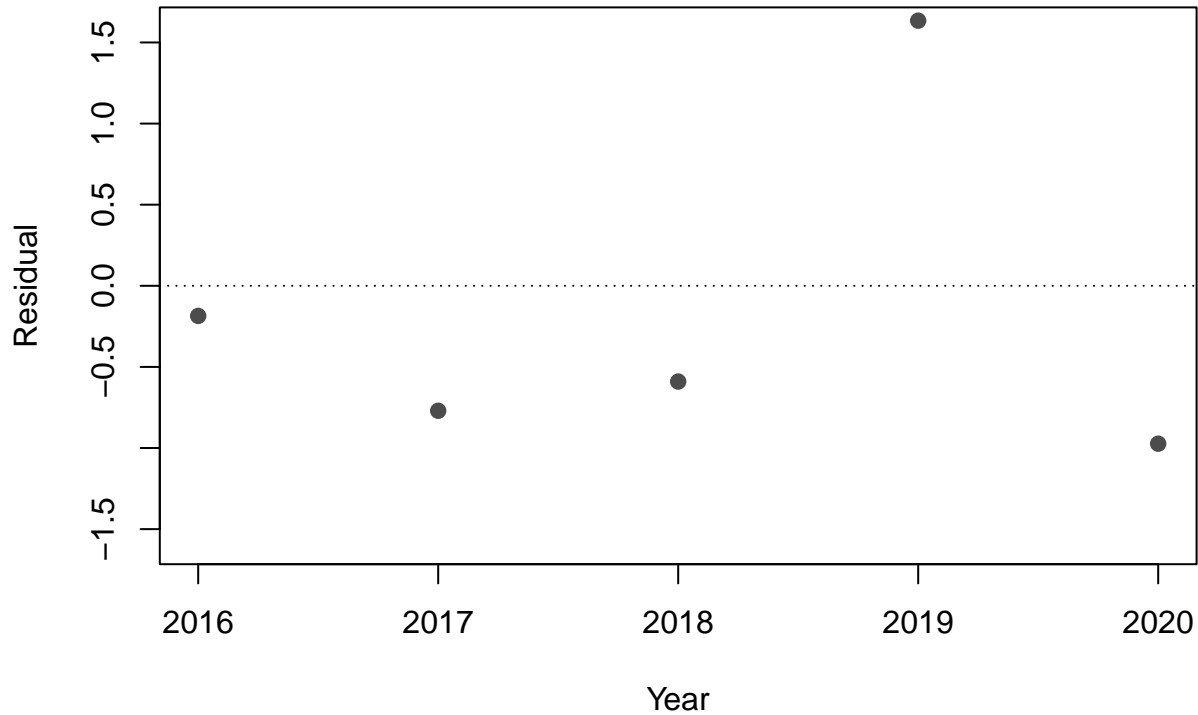


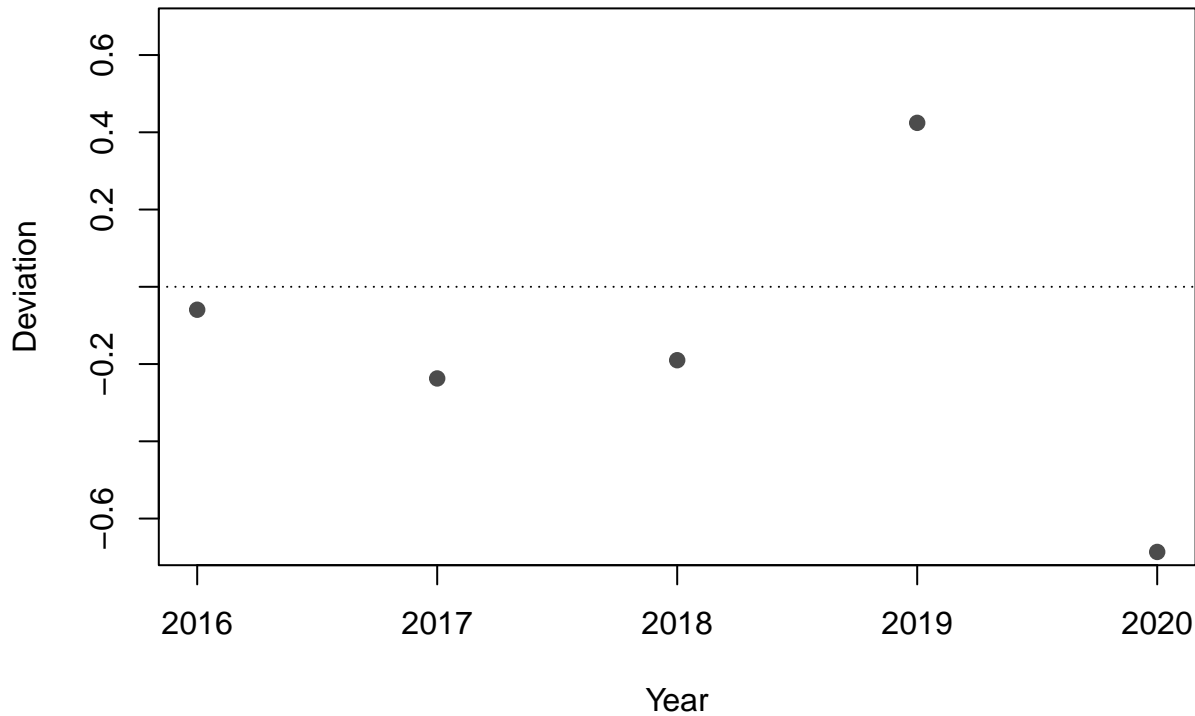




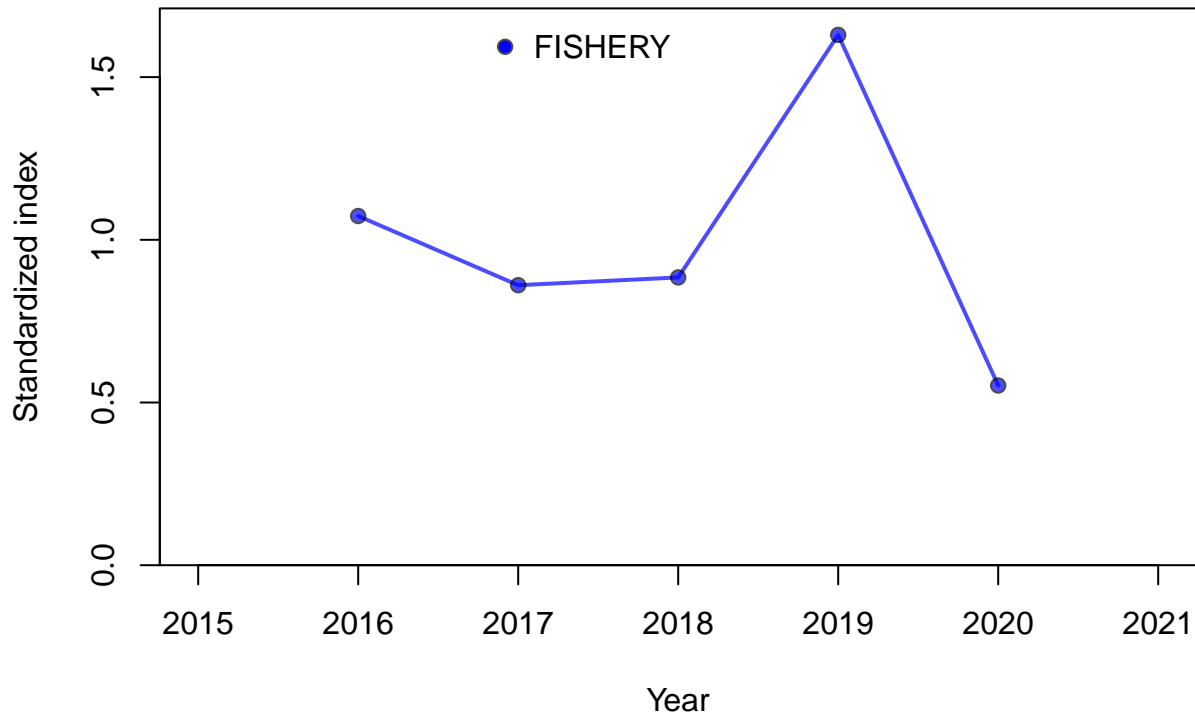


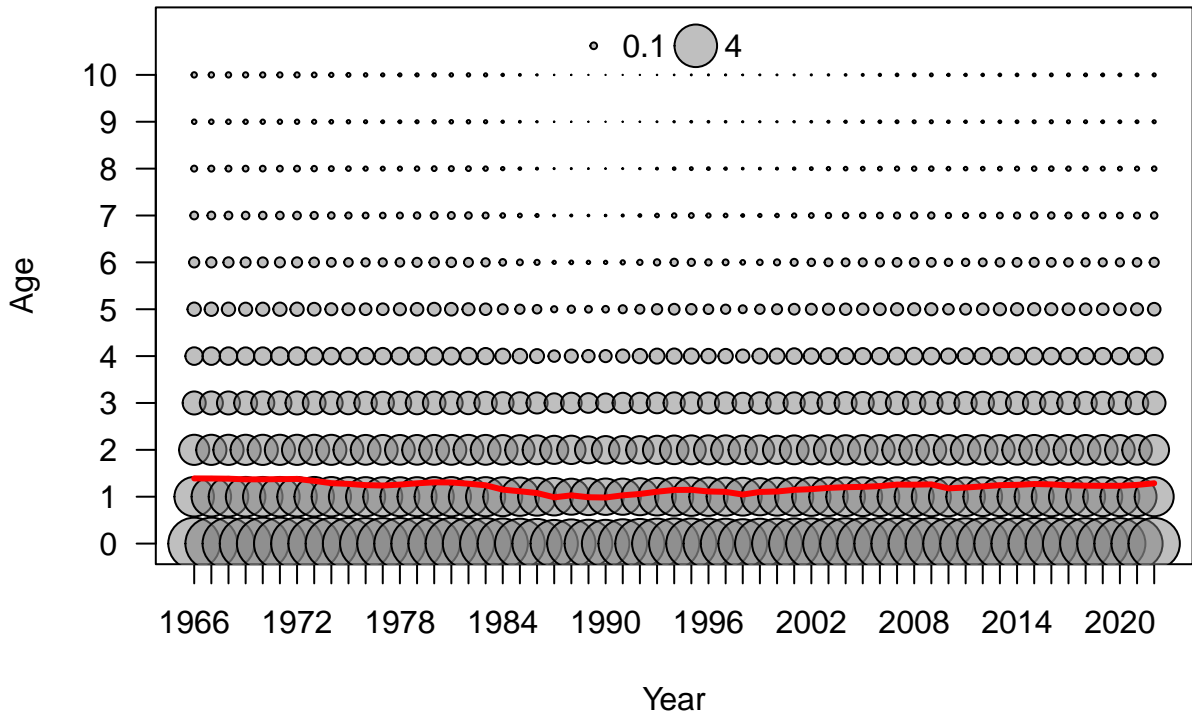


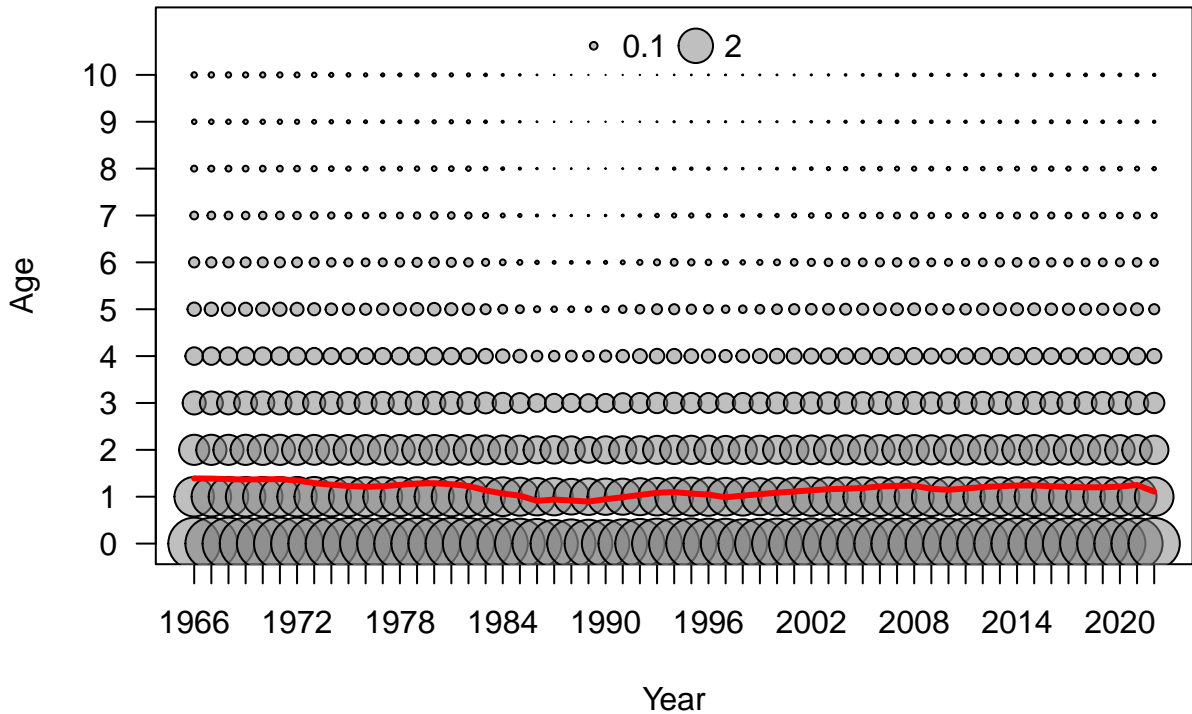


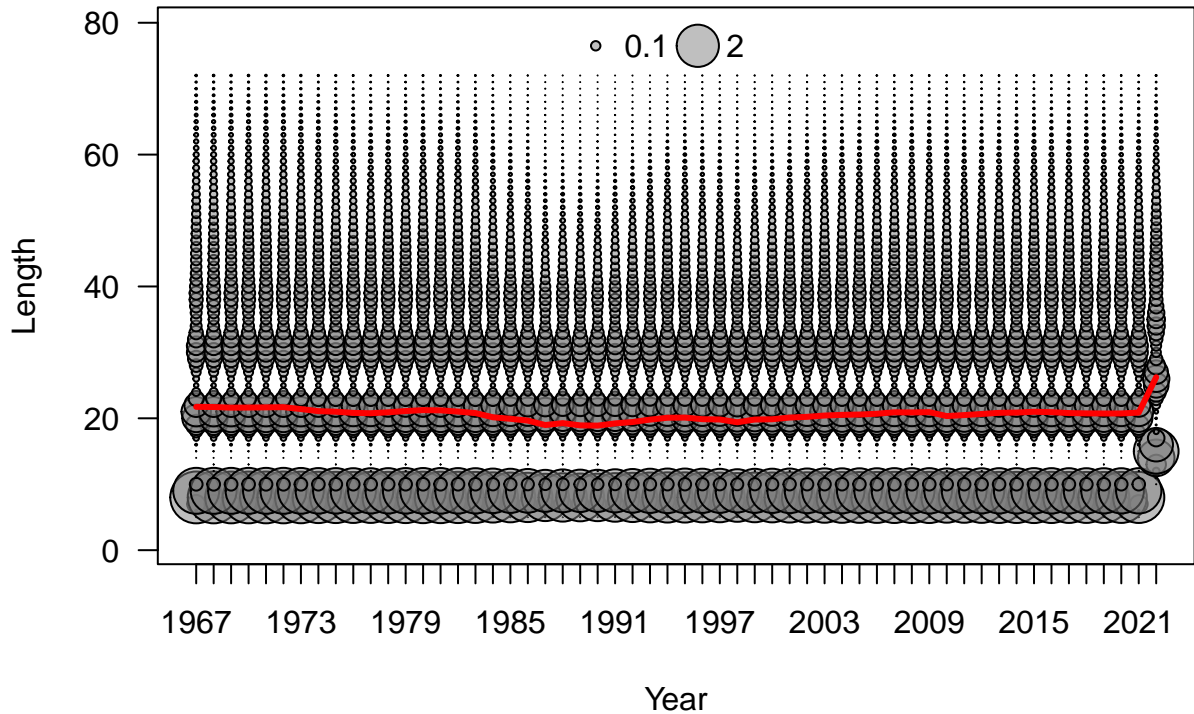


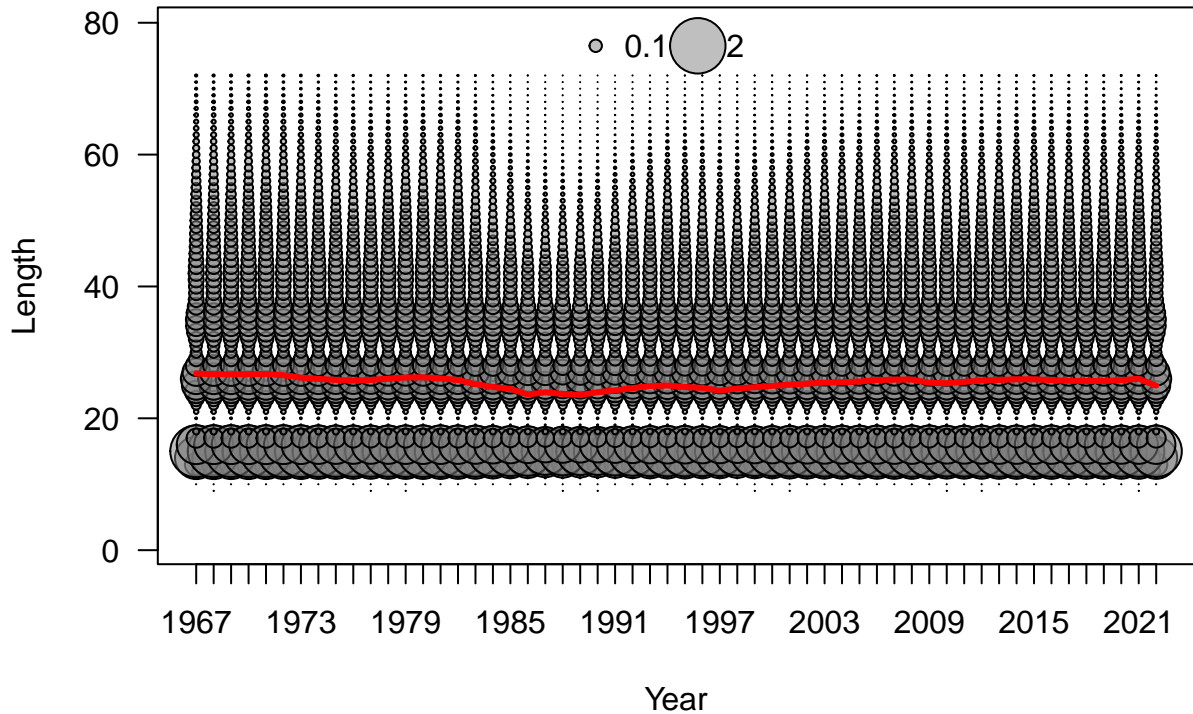


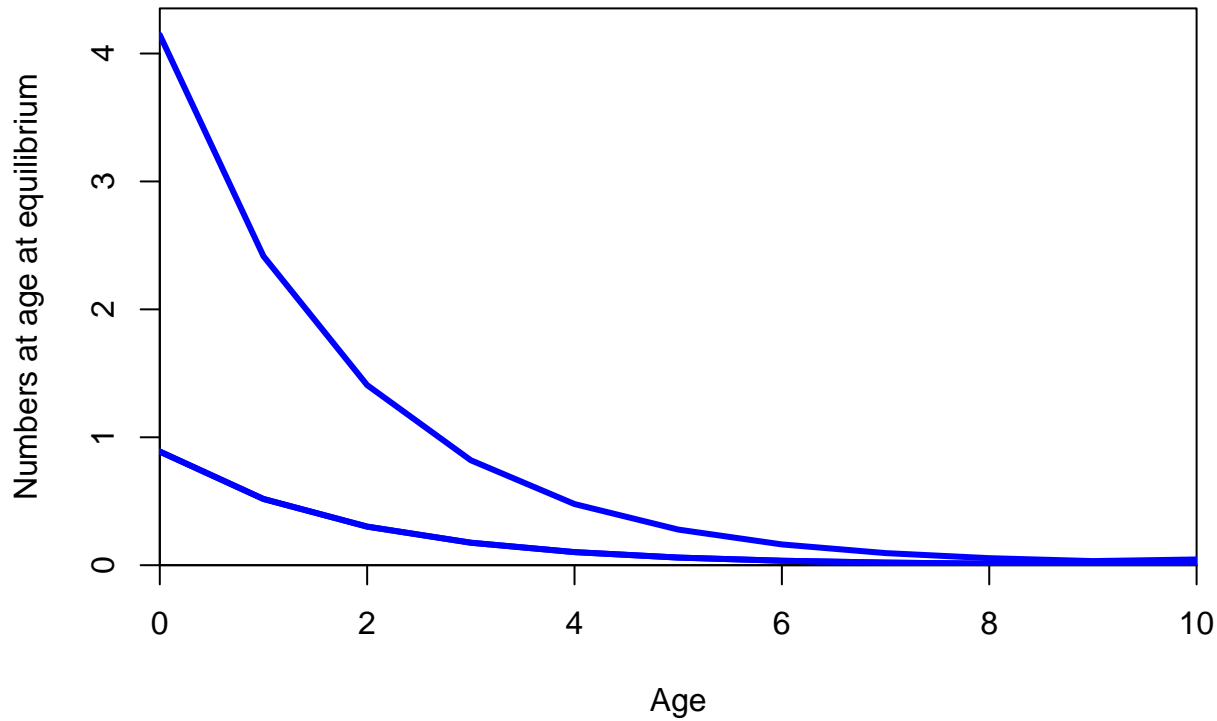


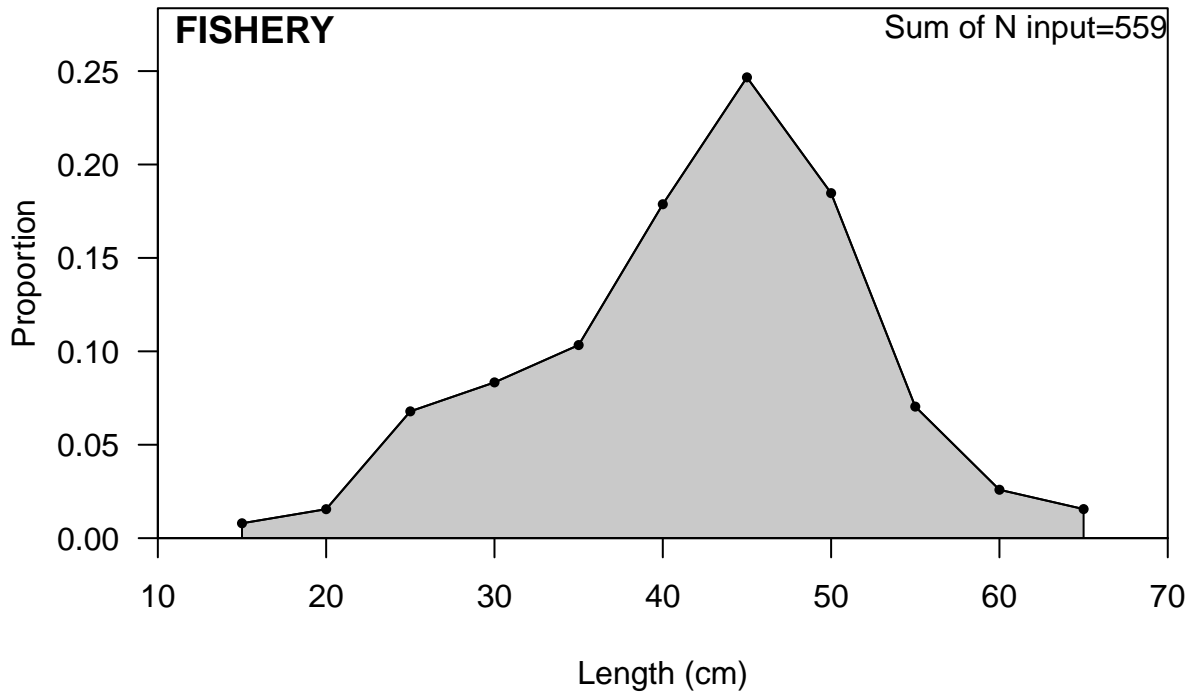






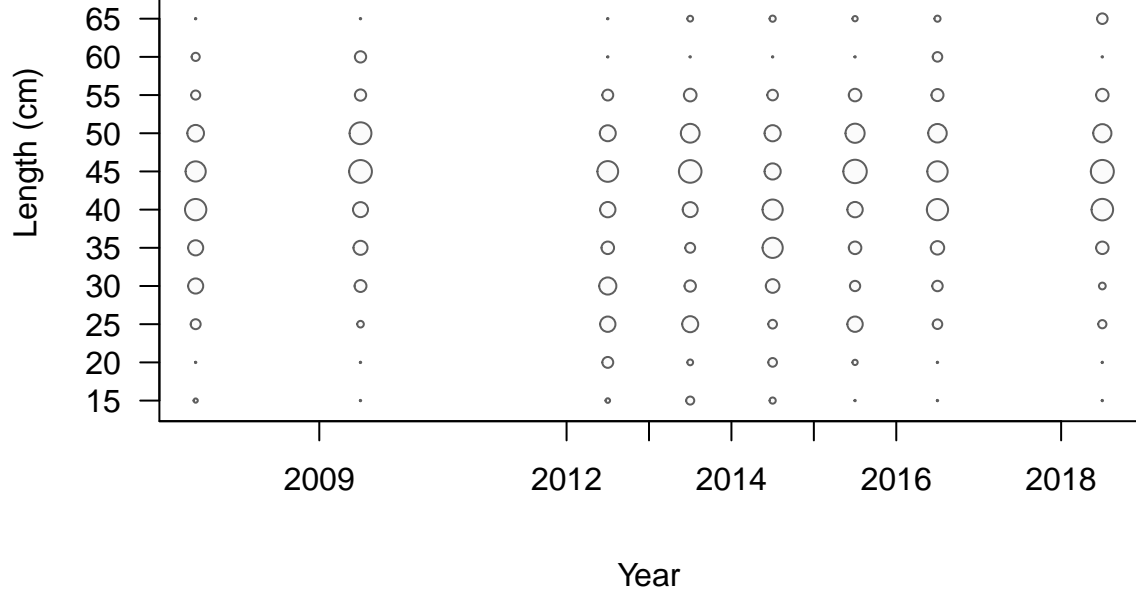






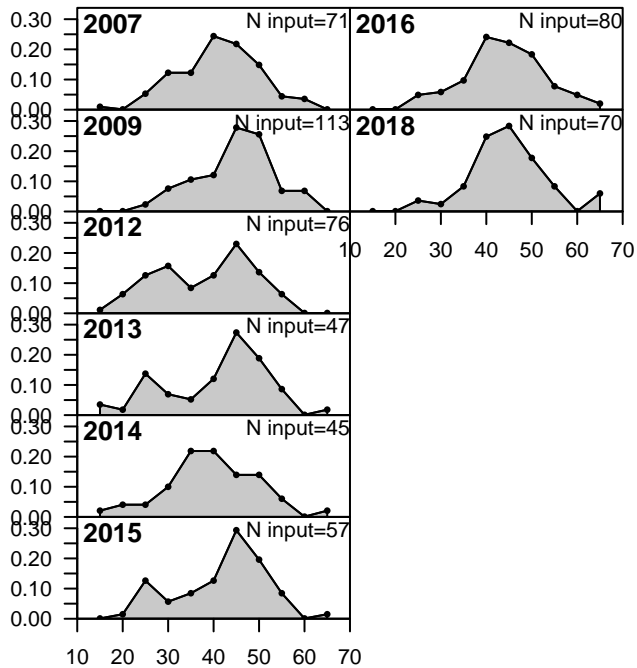
# FISHERY

◦ 0.01 ○ 0.2

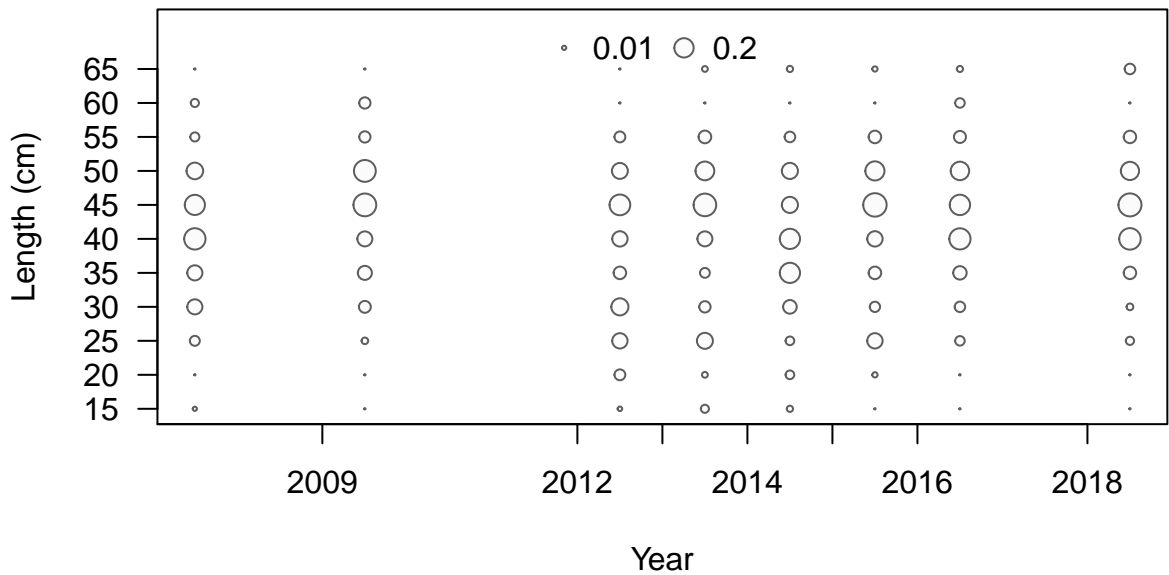




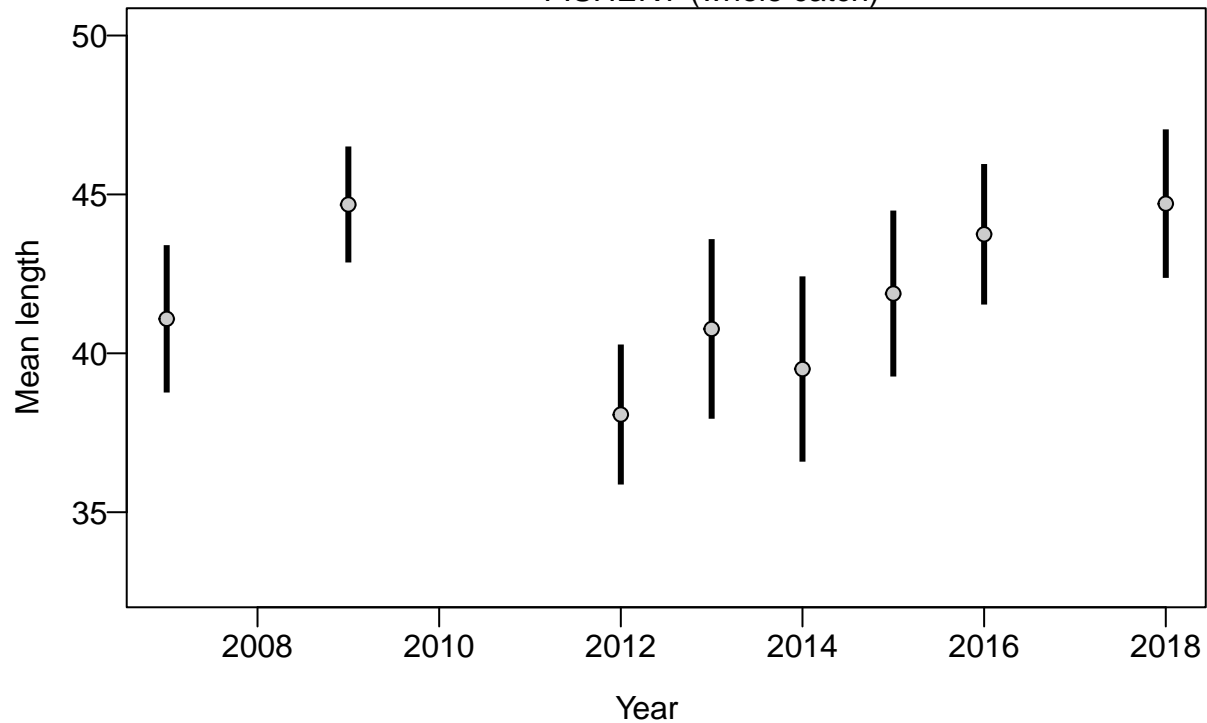
Proportion



Length (cm)

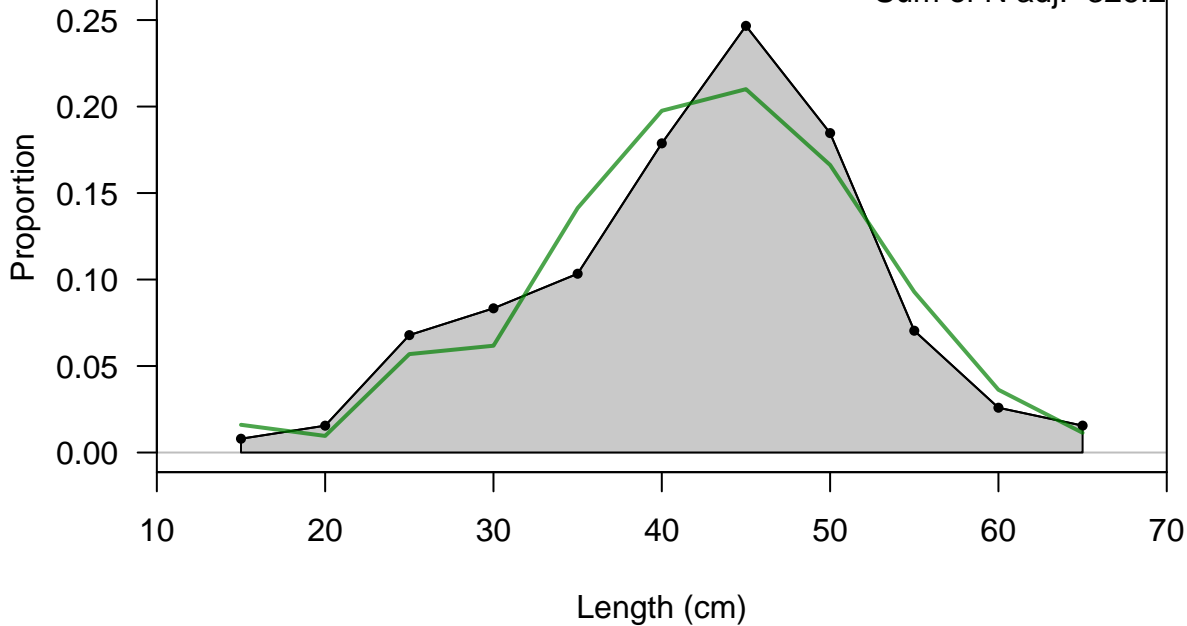


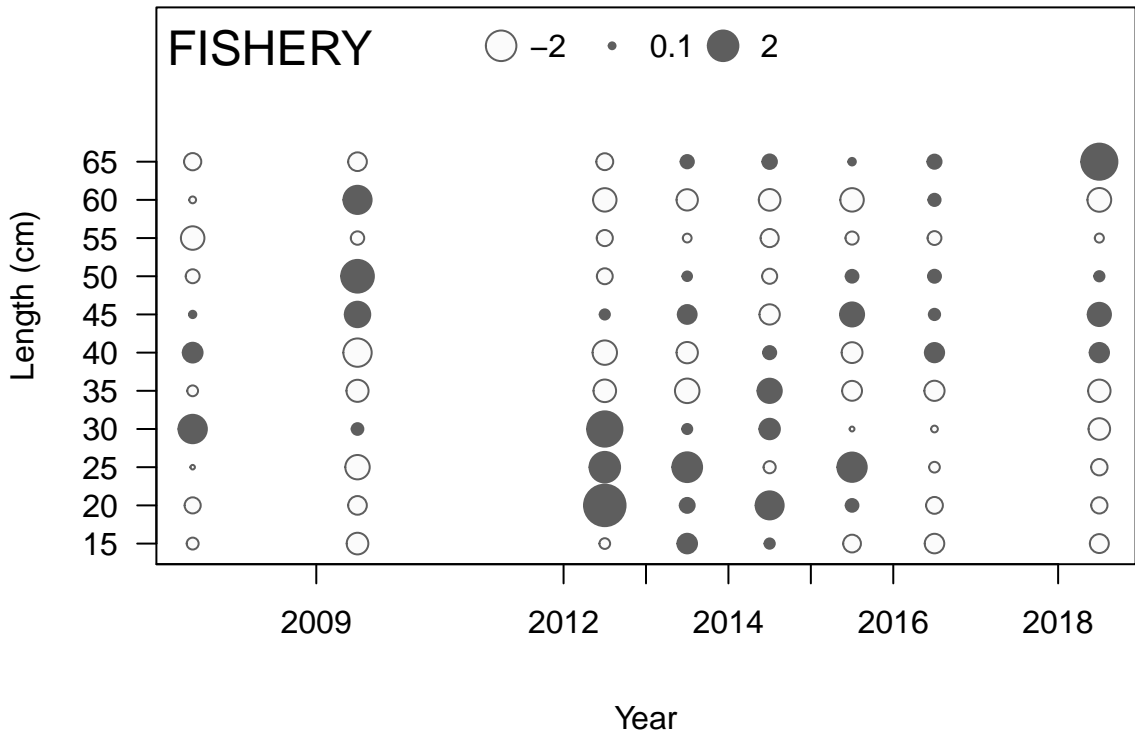
FISHERY (whole catch)



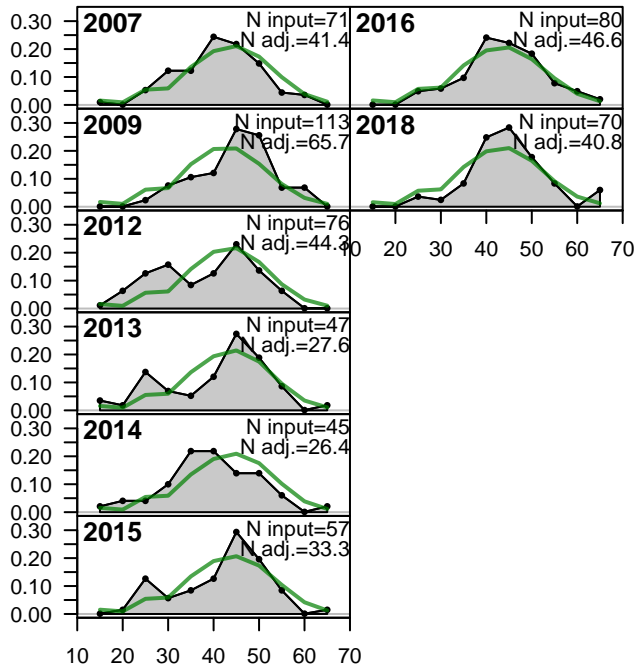
# FISHERY

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Sum of N adj.=326.2

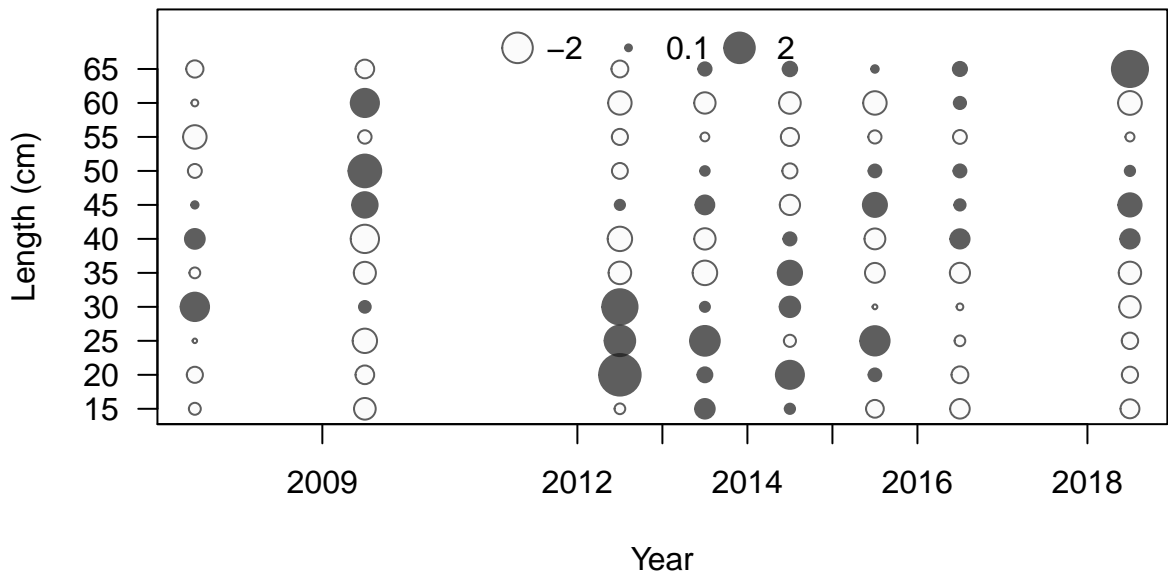




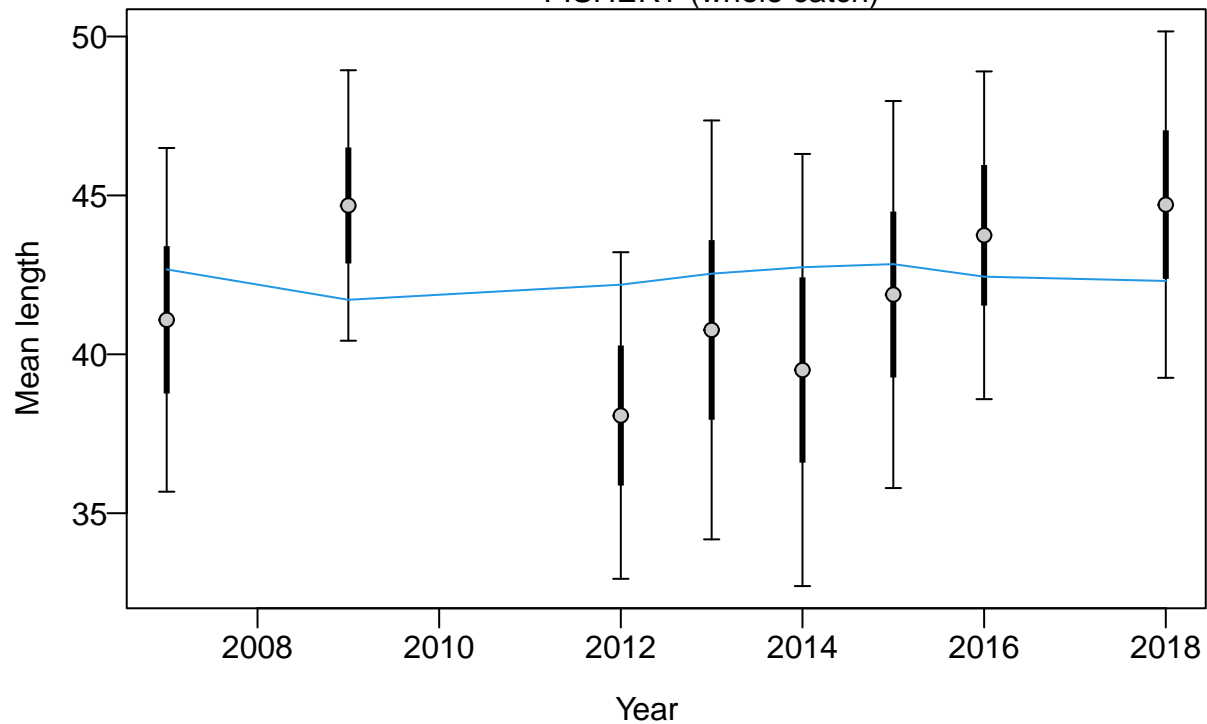
Proportion



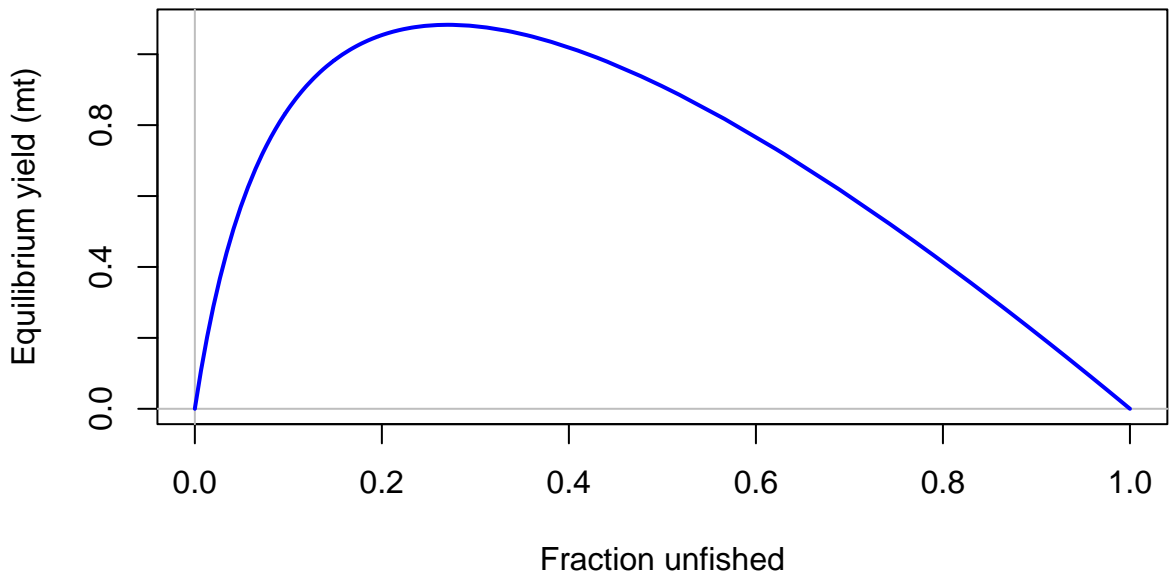
Length (cm)

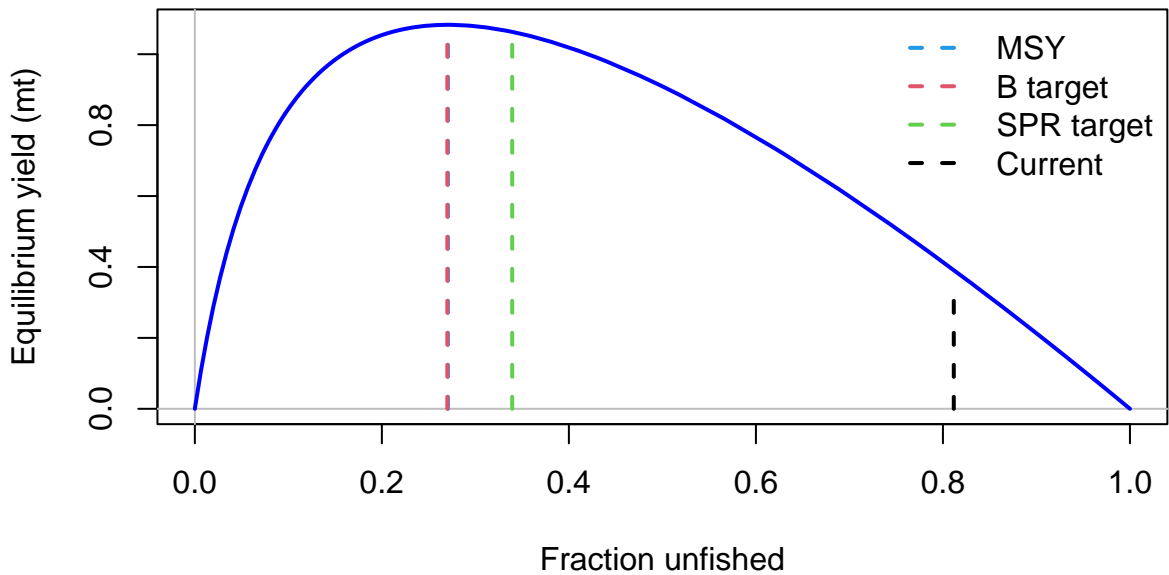


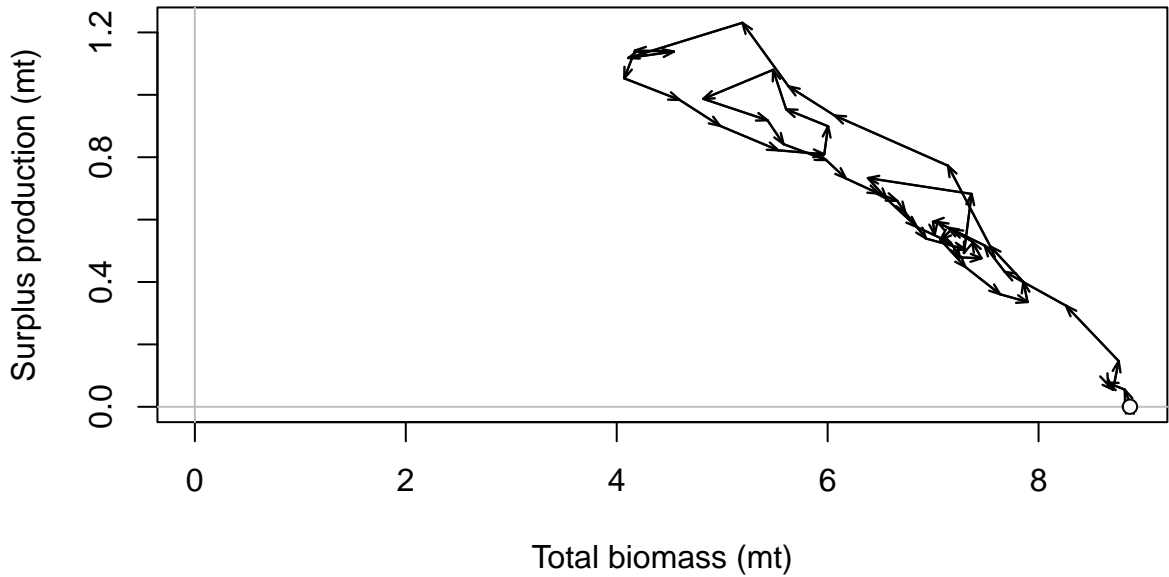
FISHERY (whole catch)

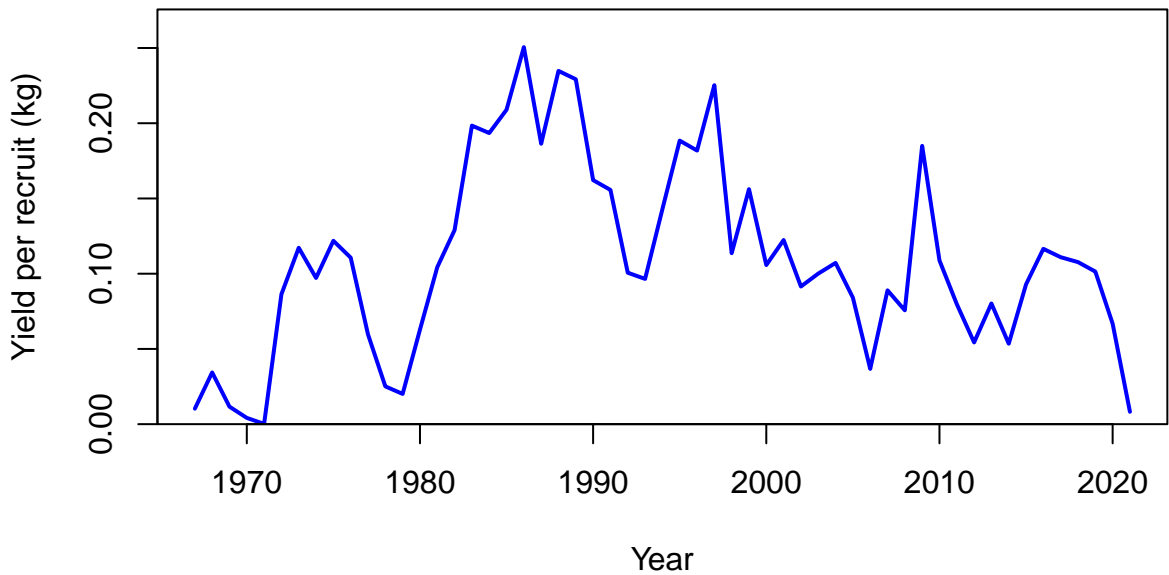


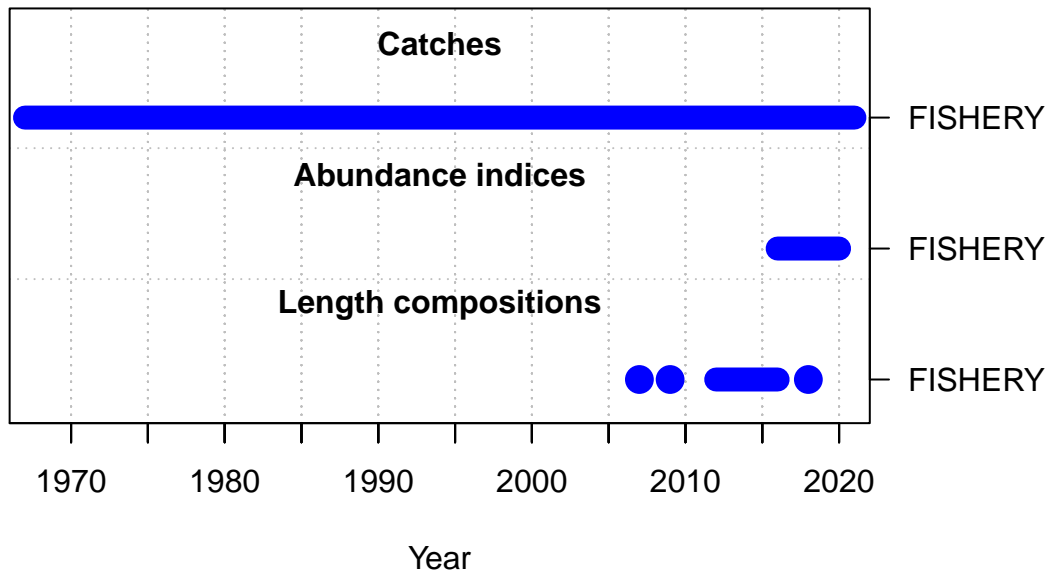


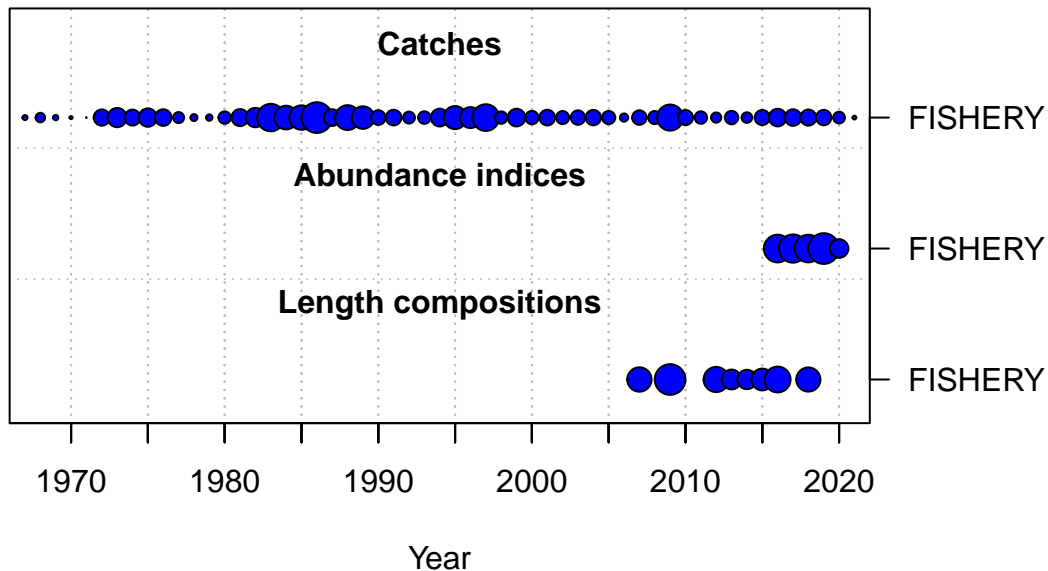




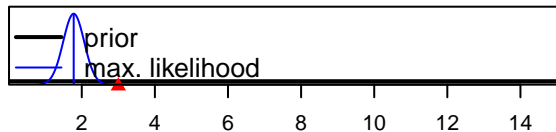




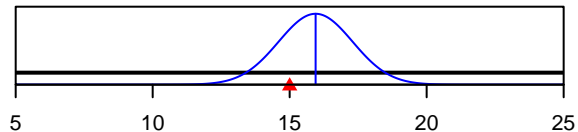




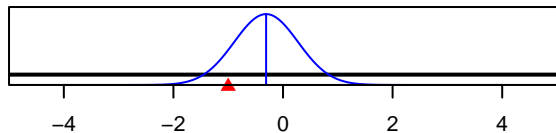
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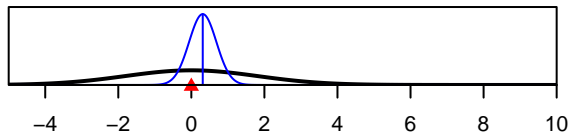
Size\_95%width\_FISHERY(1)



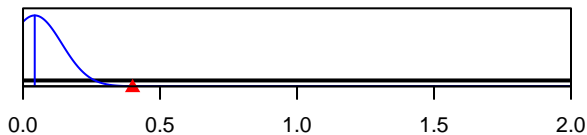
LnQ\_base\_FISHERY(1)



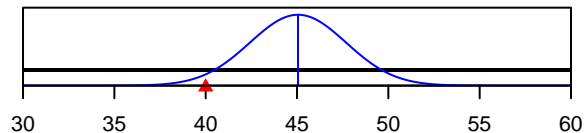
ln(DM\_theta)\_1



Q\_extraSD\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Parameter value