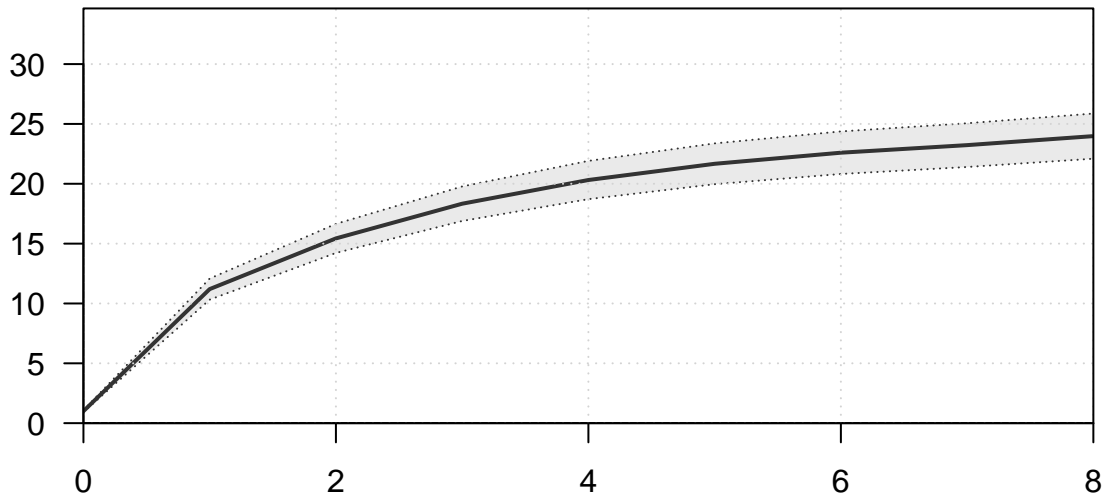


Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Tue Feb 14 09:54:38 2023  
Data\_File: data.ss  
Control\_File: control.ss

Length (cm, beginning of the year)



Age (yr)













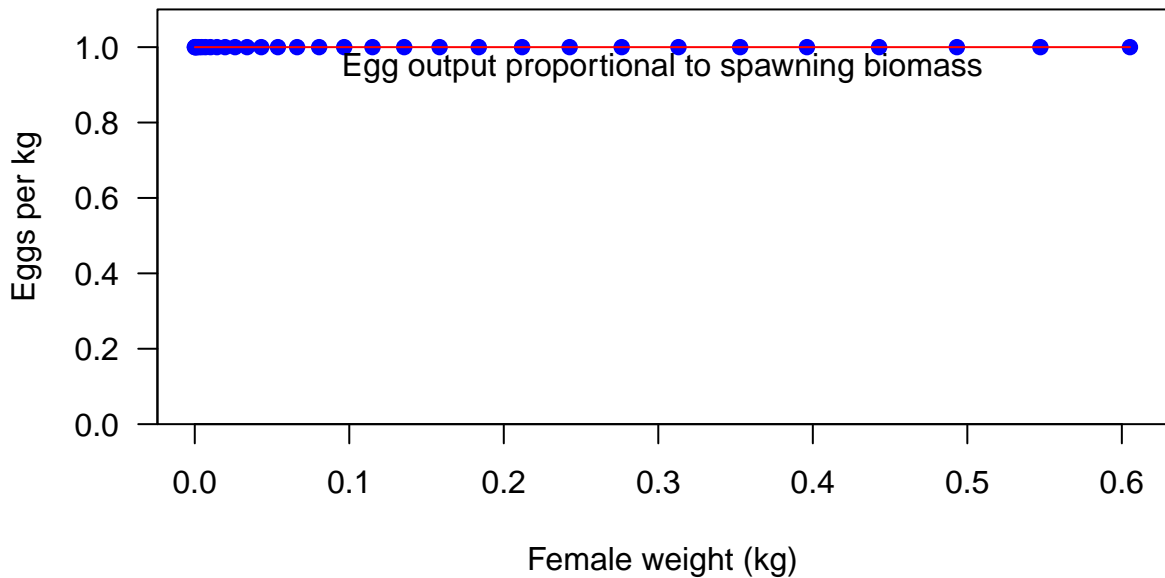






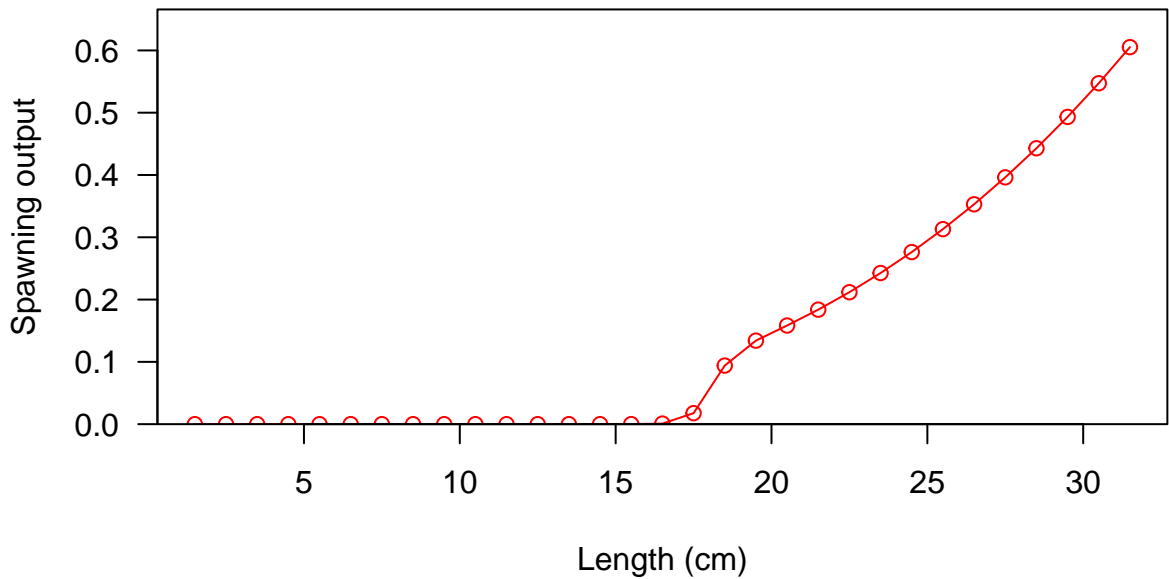








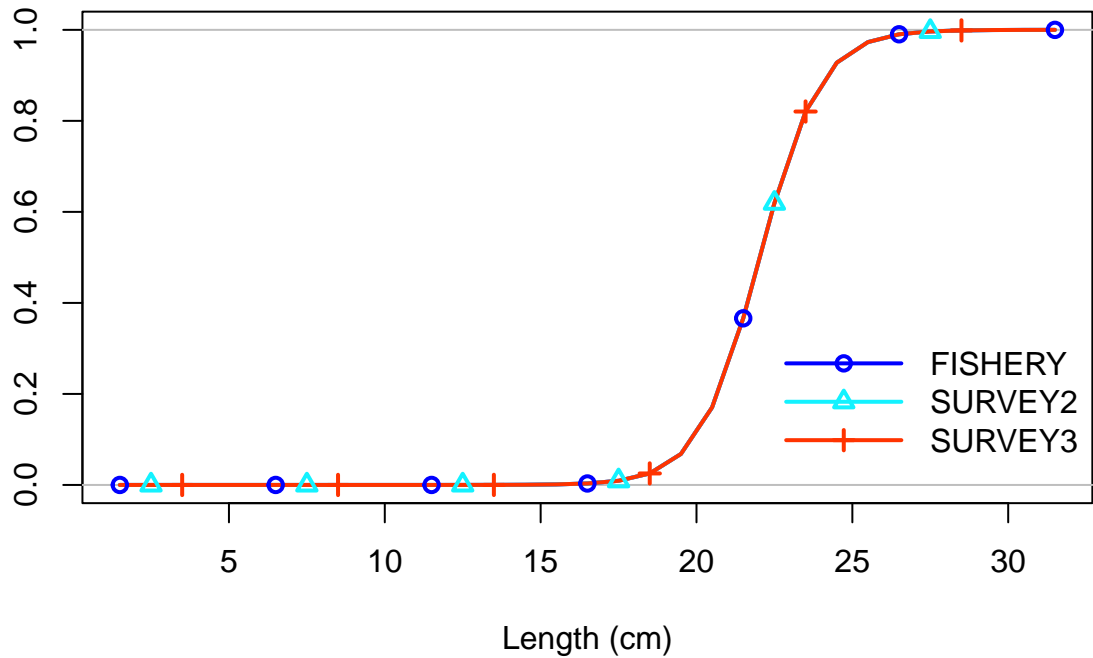




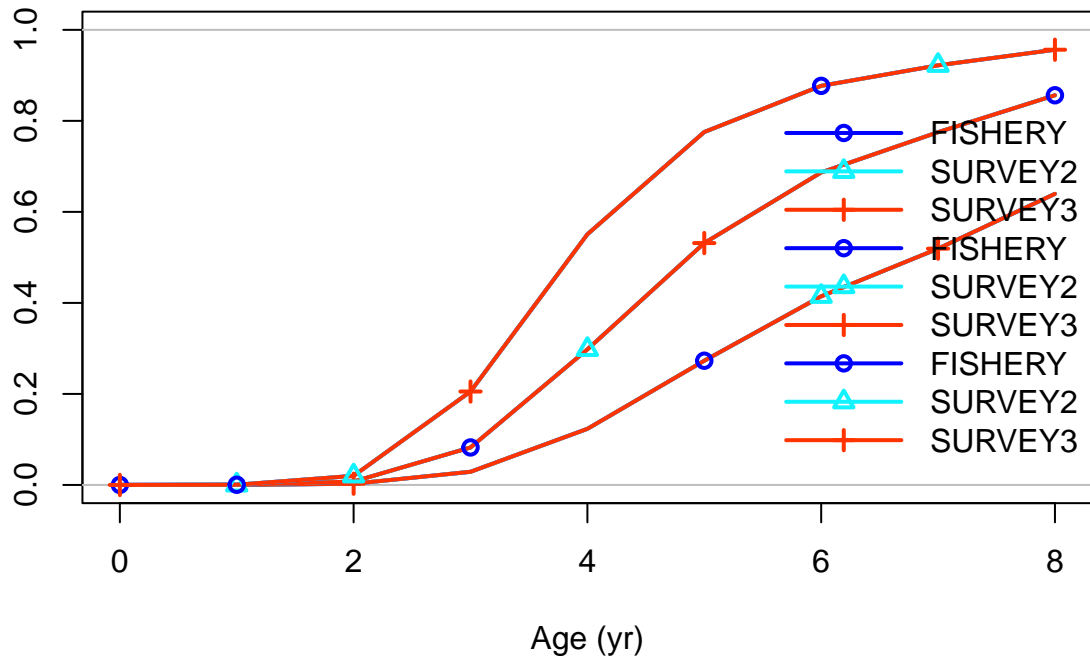




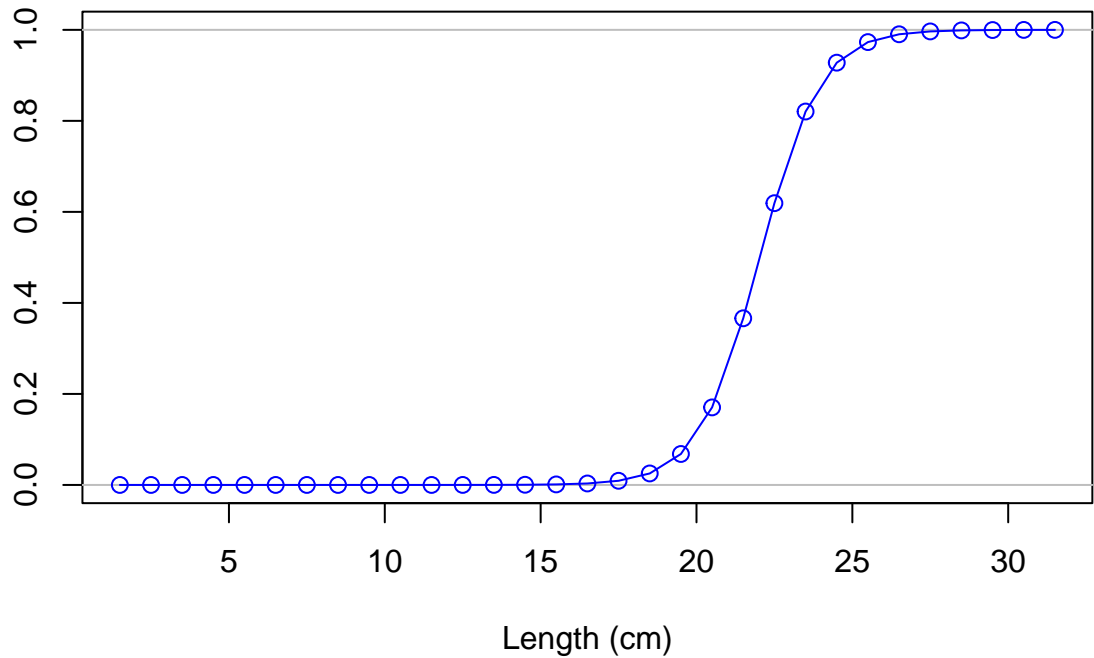
Selectivity



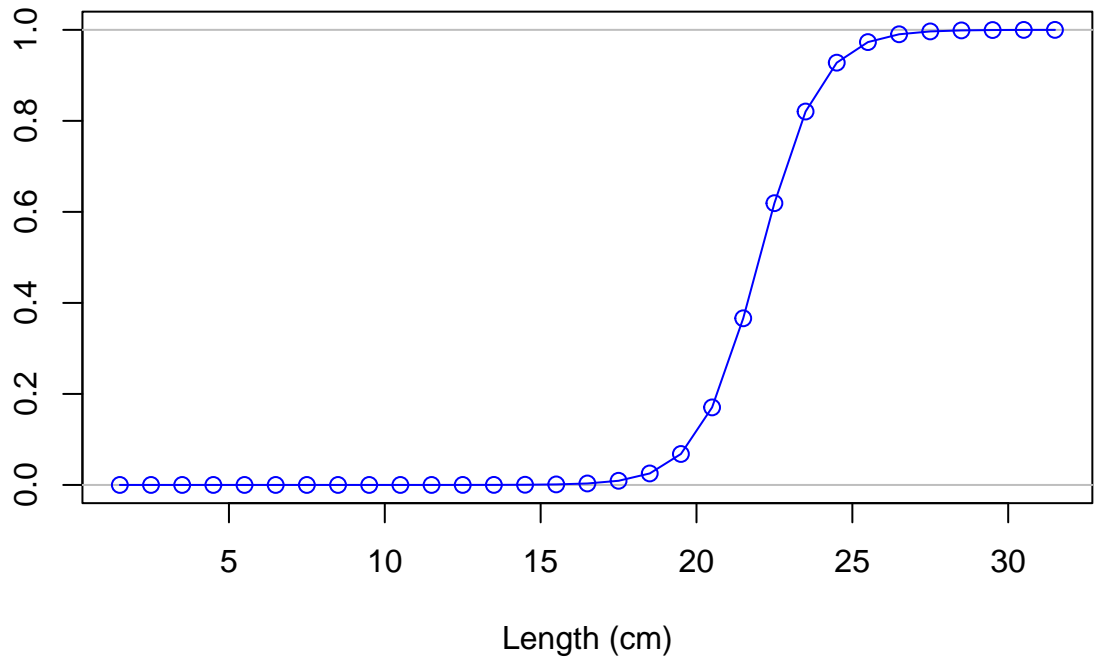
Selectivity



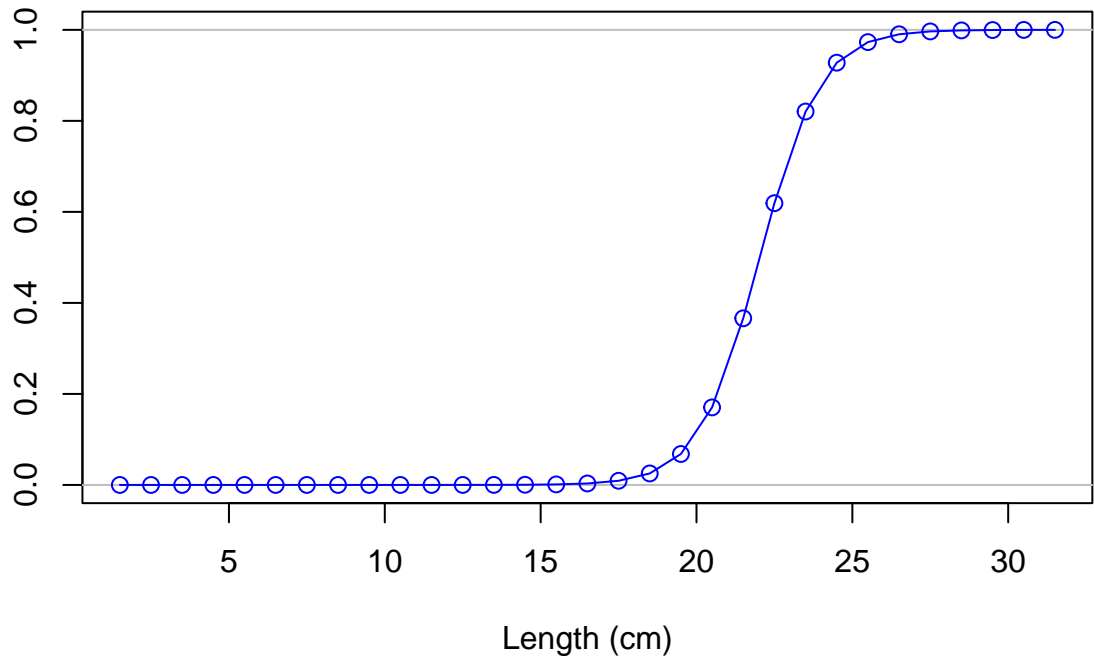
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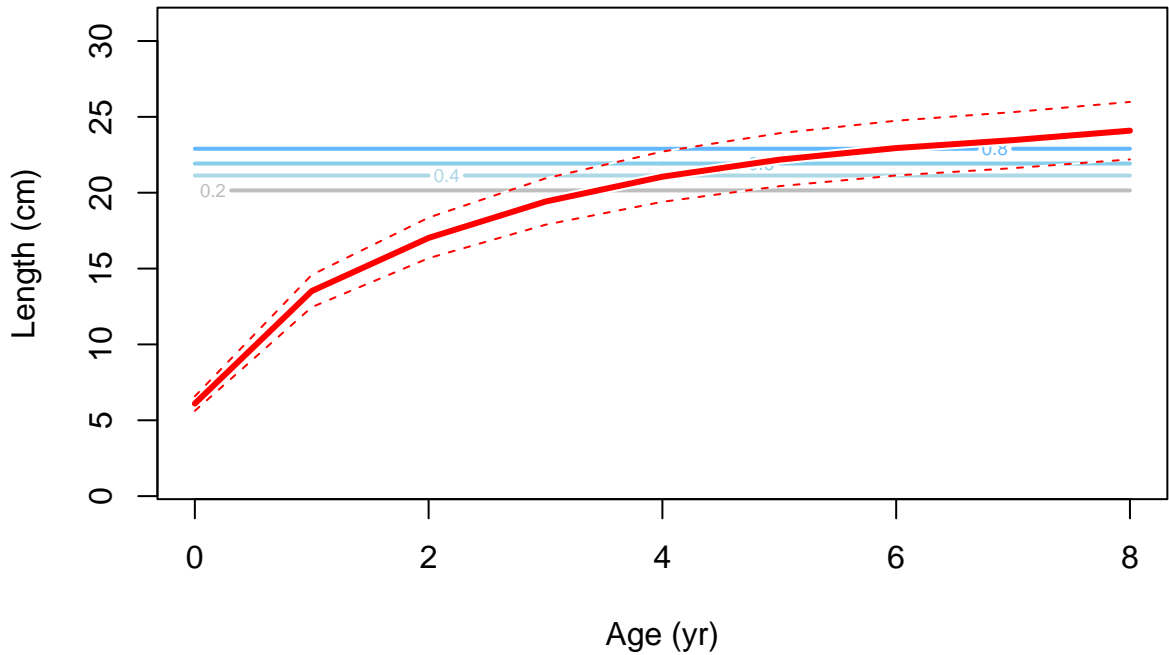


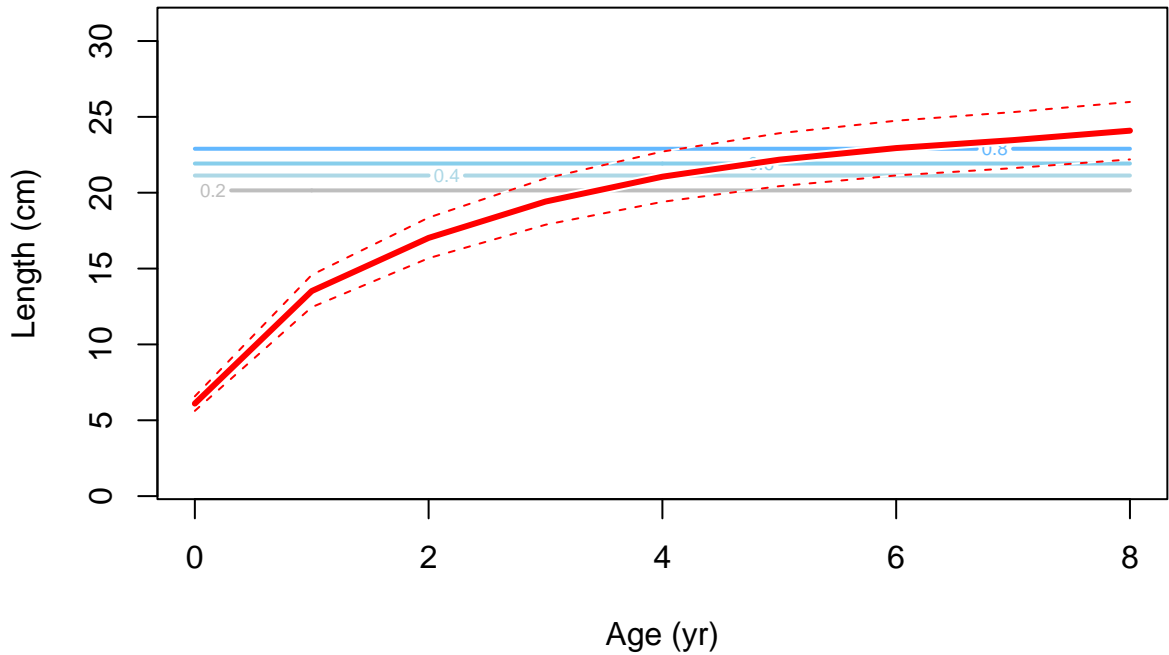
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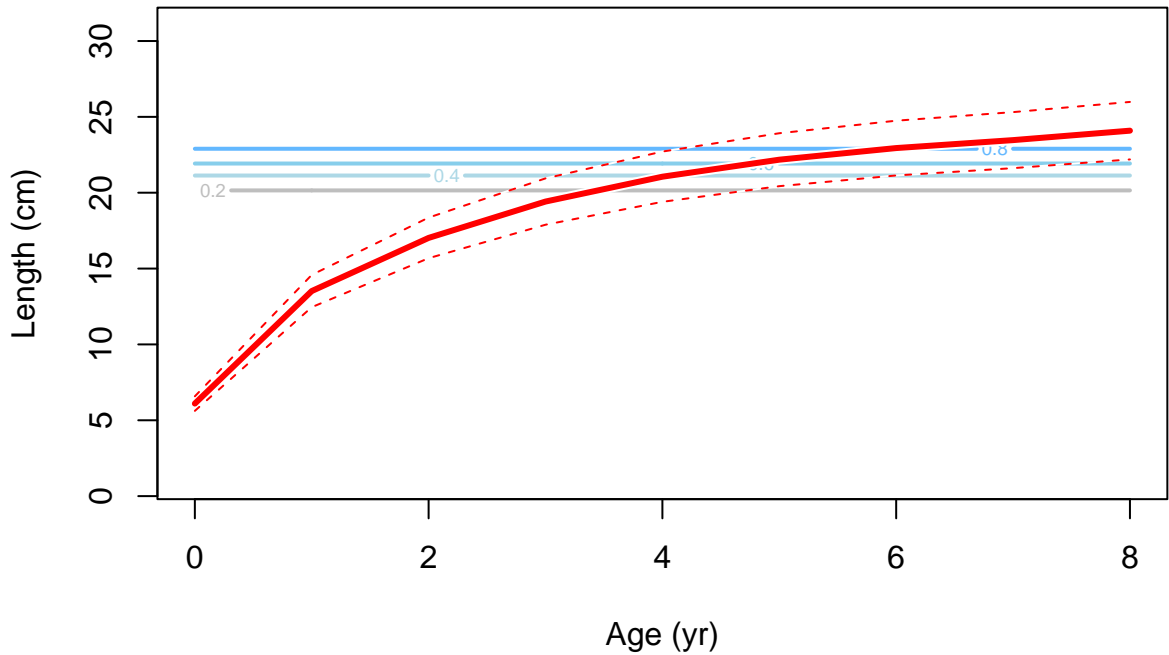
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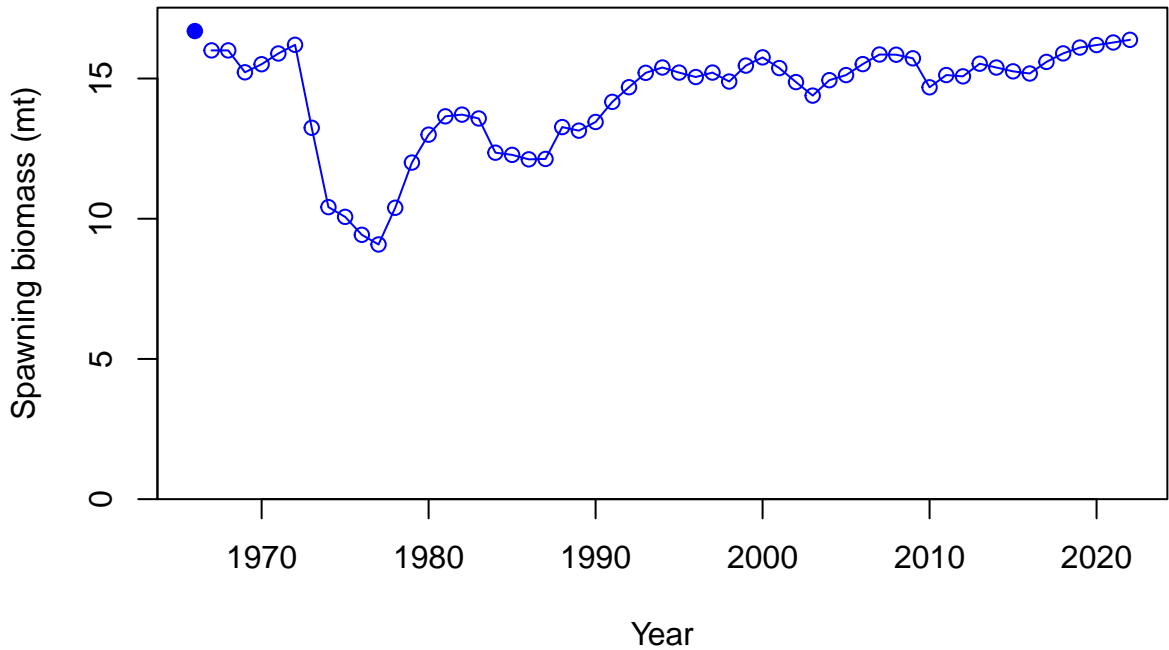




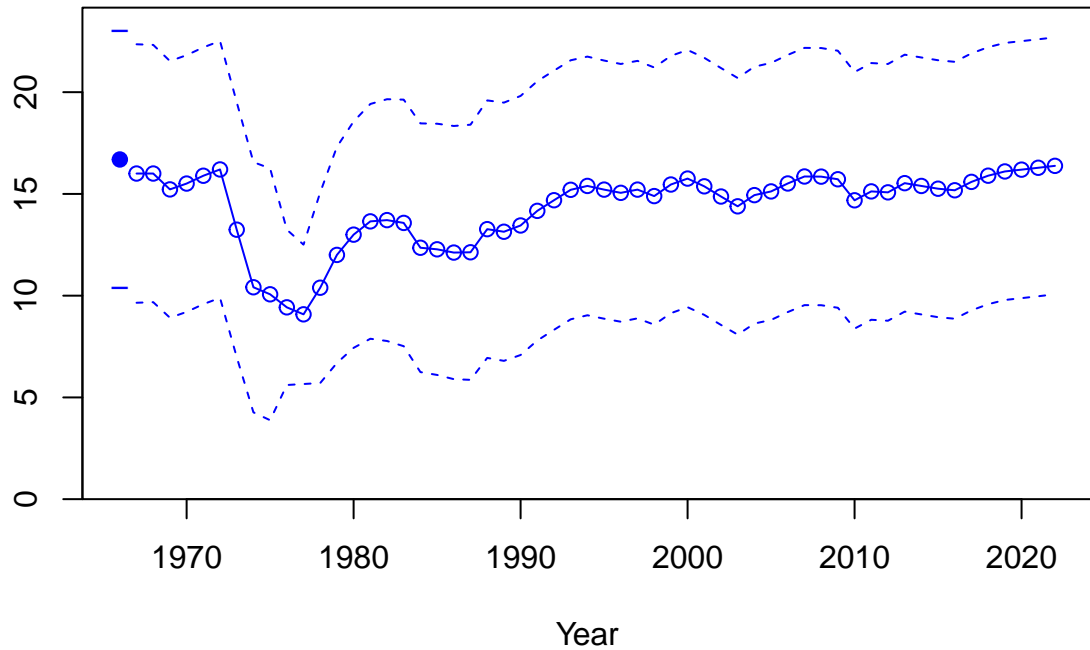




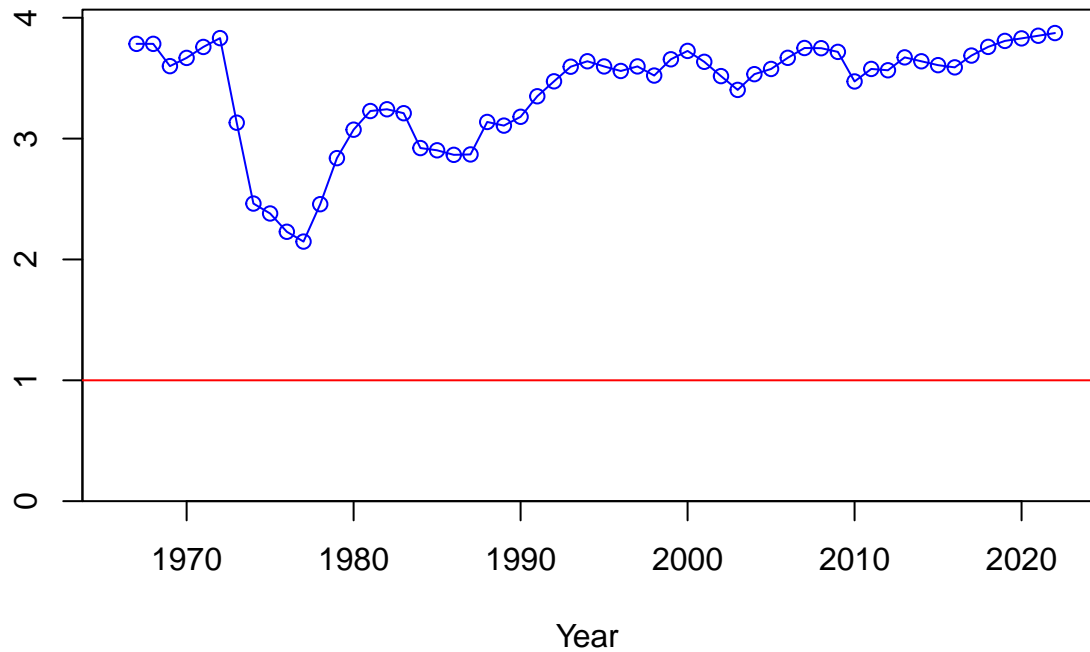




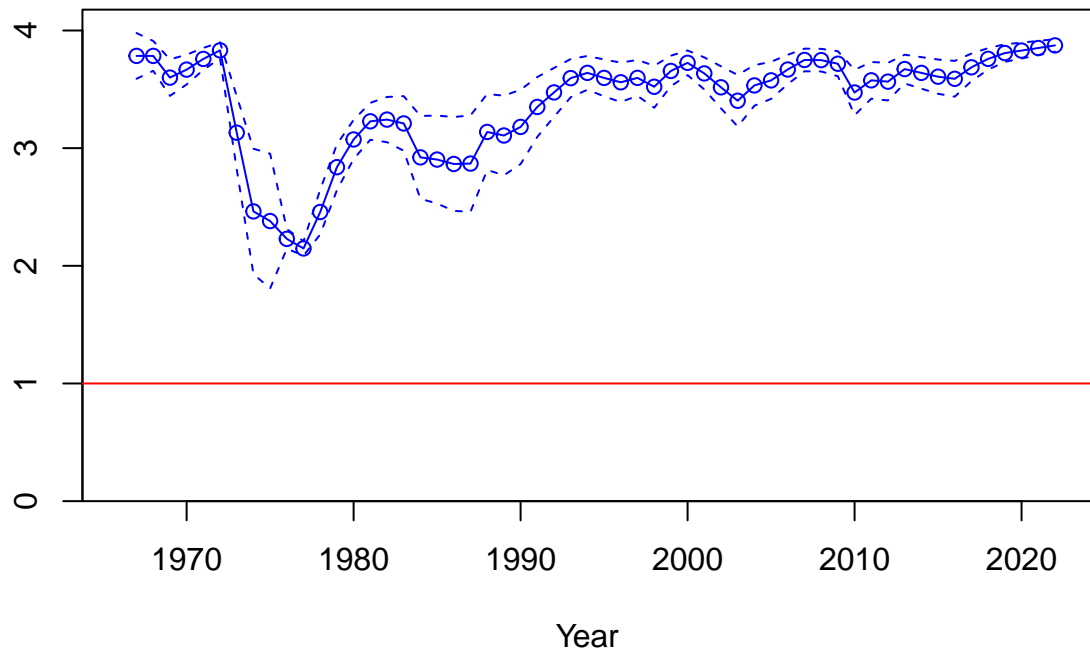
Spawning biomass (mt)

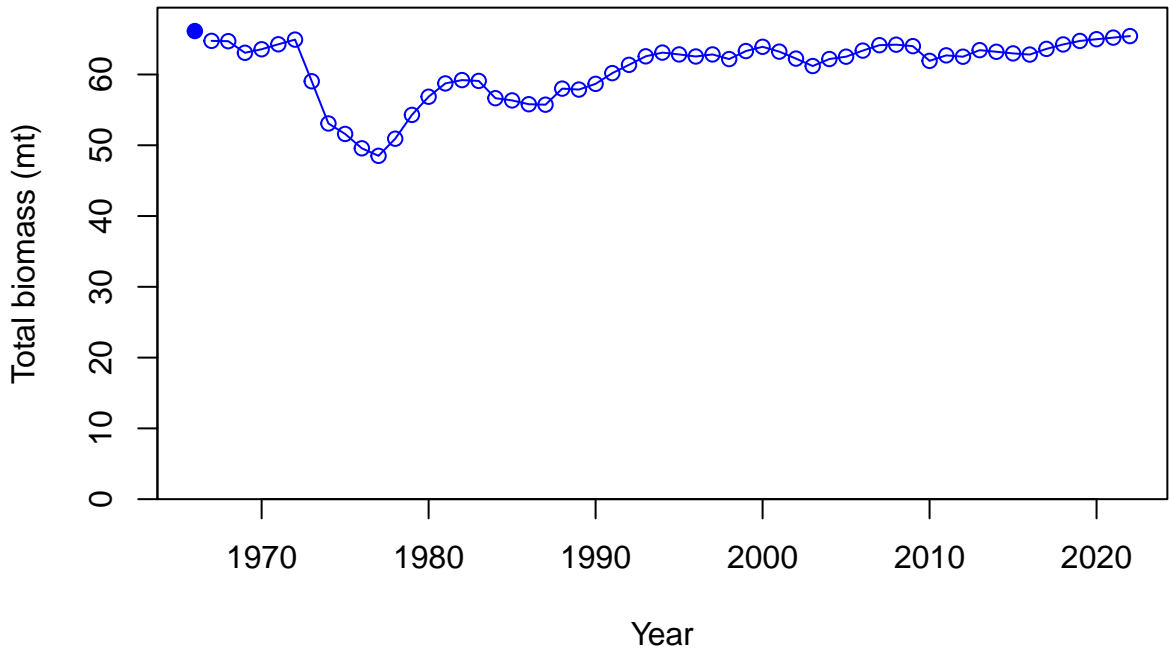


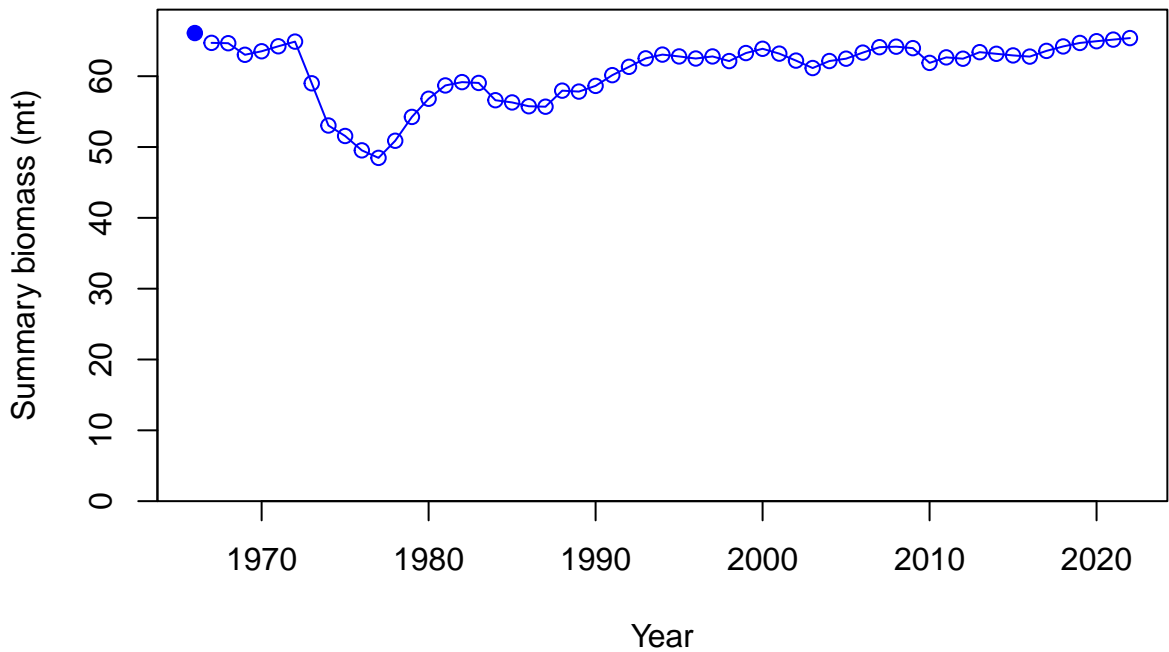
Relative spawning biomass: B/B\_MSY



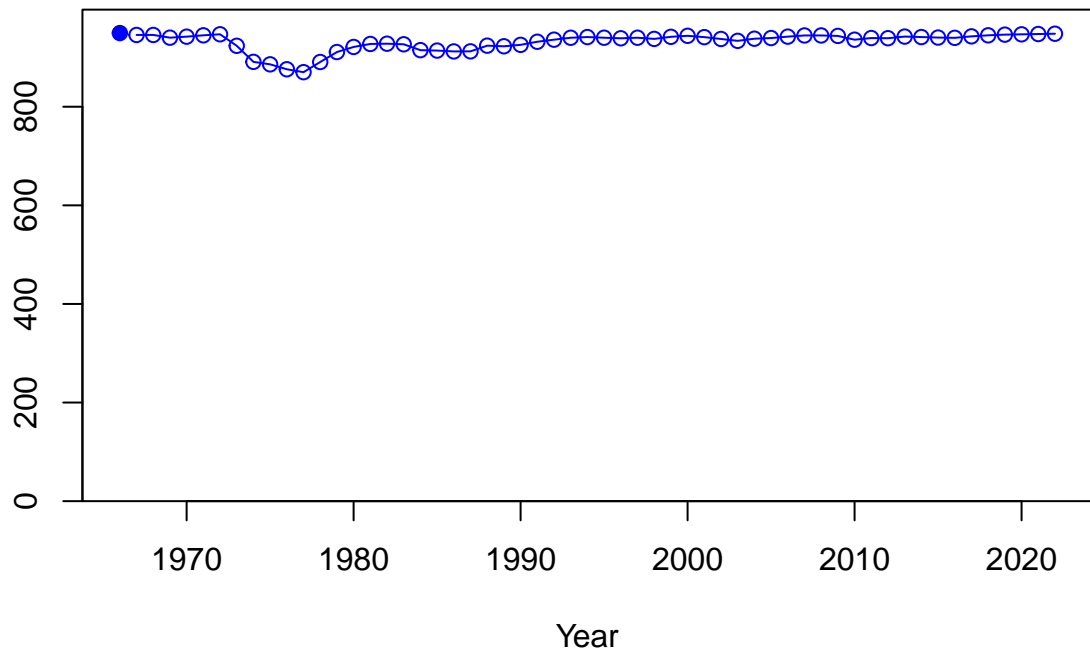
Relative spawning biomass:  $B/B_{MSY}$



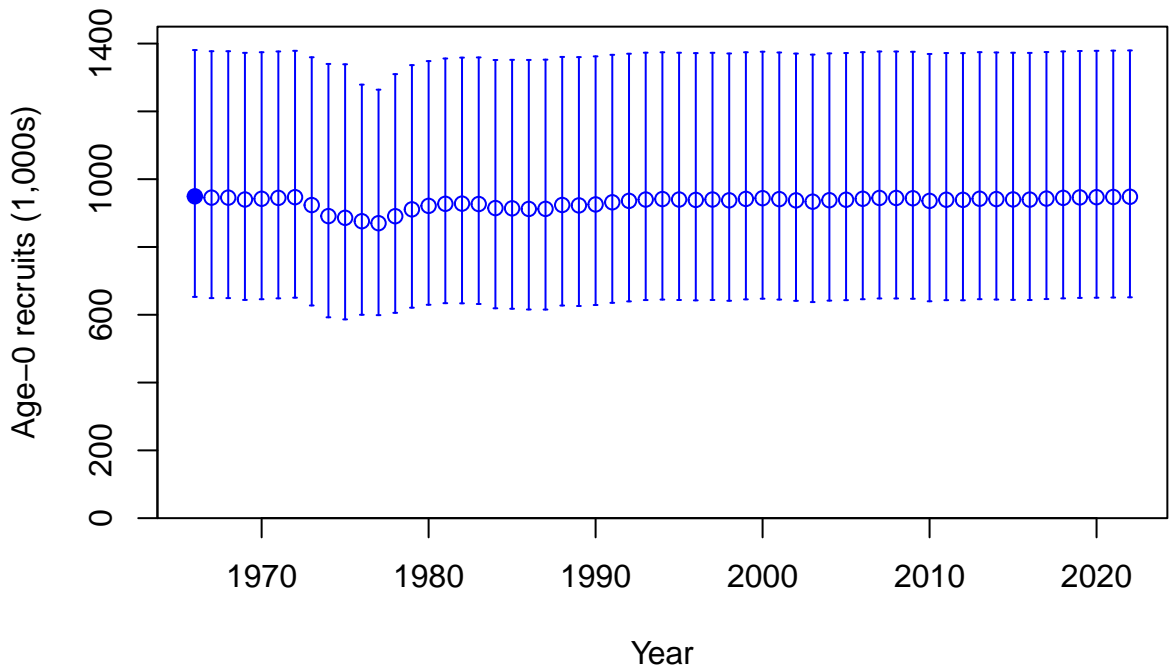




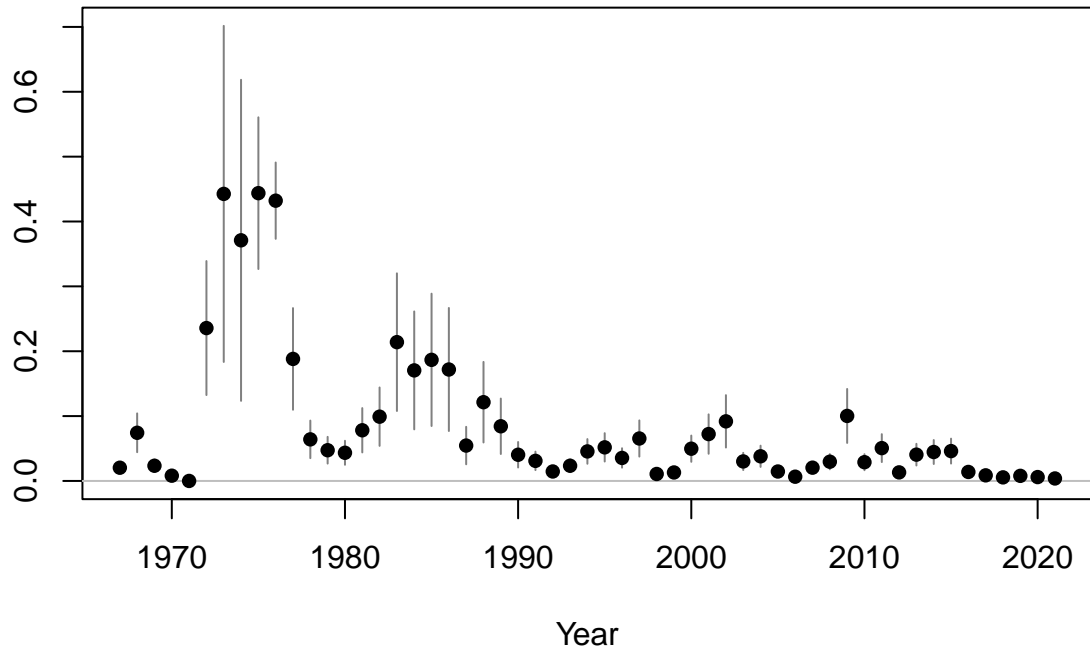
Age-0 recruits (1,000s)

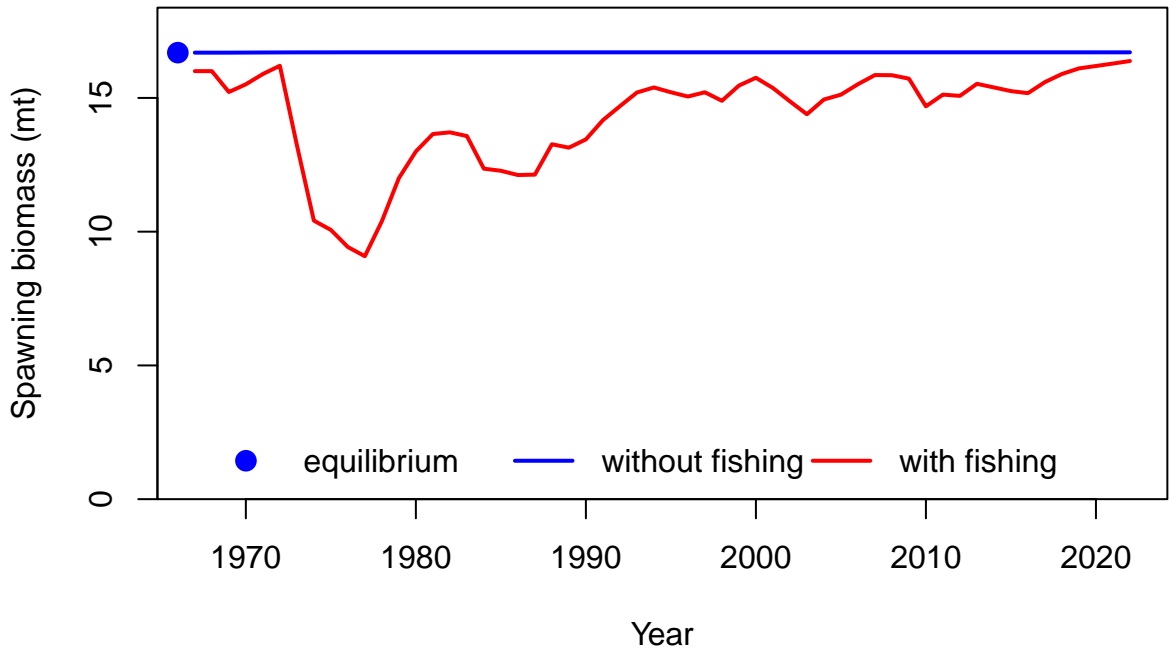




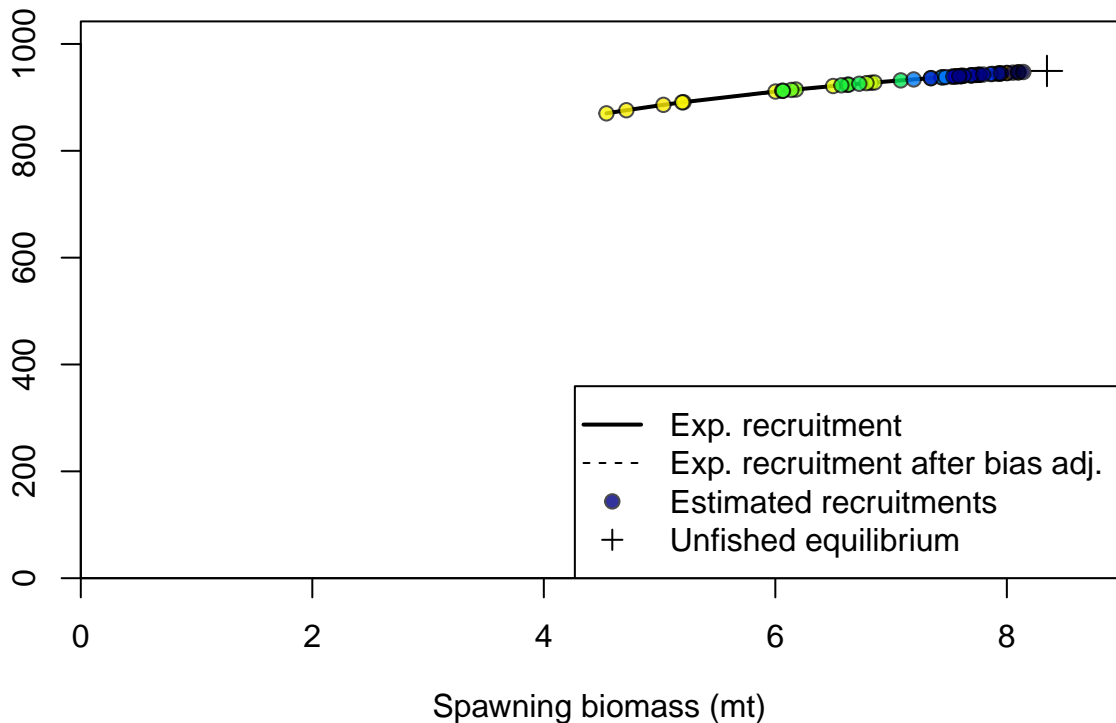


Summary Fishing Mortality

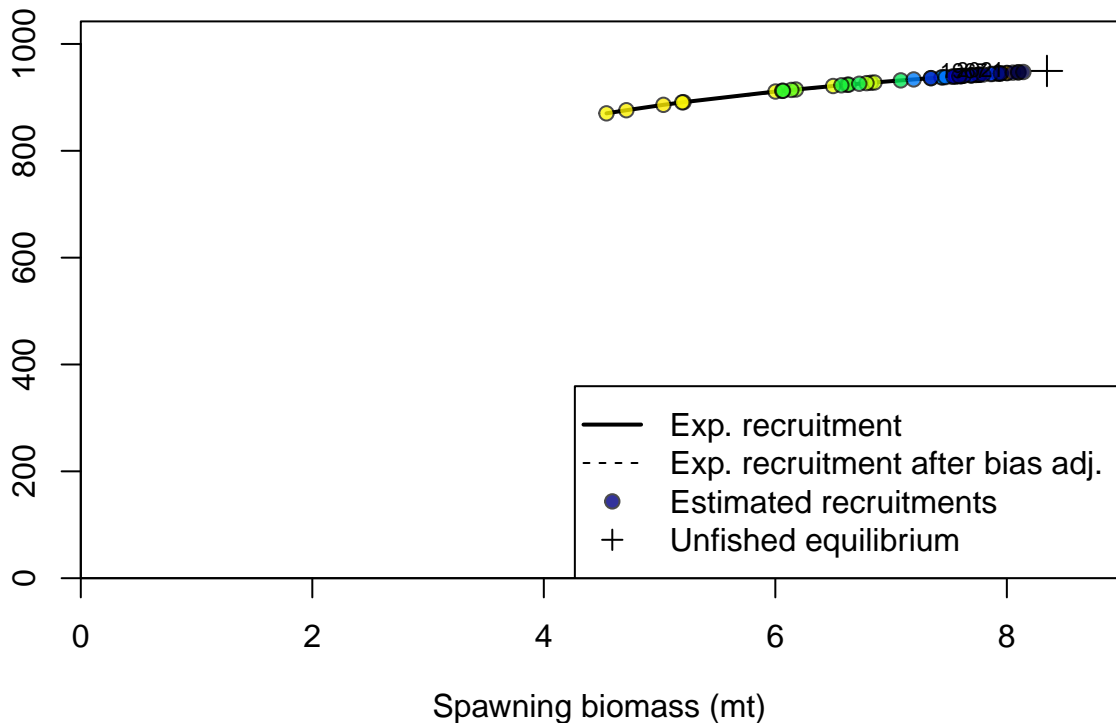


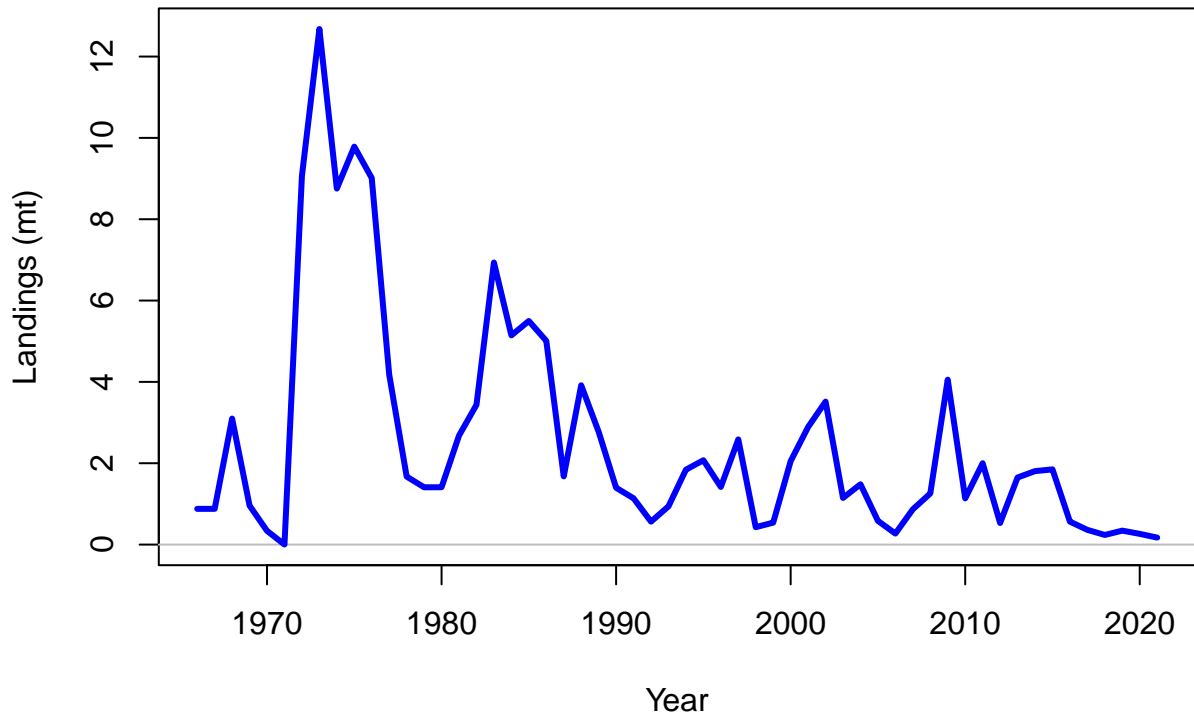


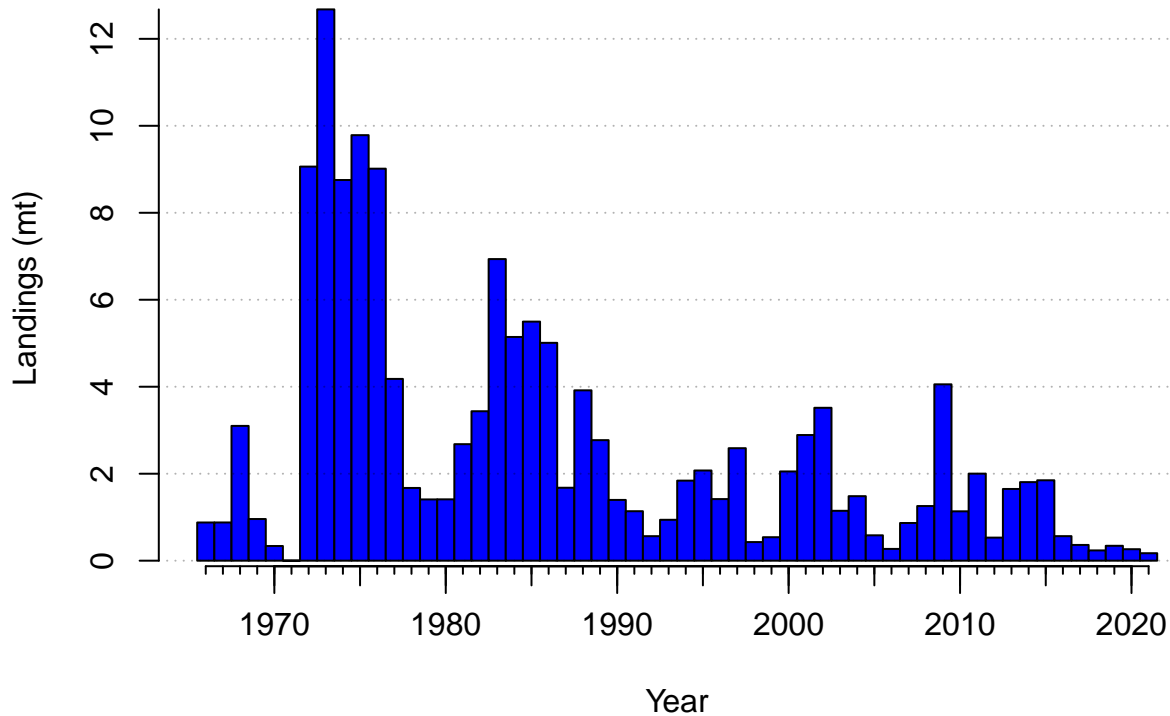
Recruitment (1,000s)

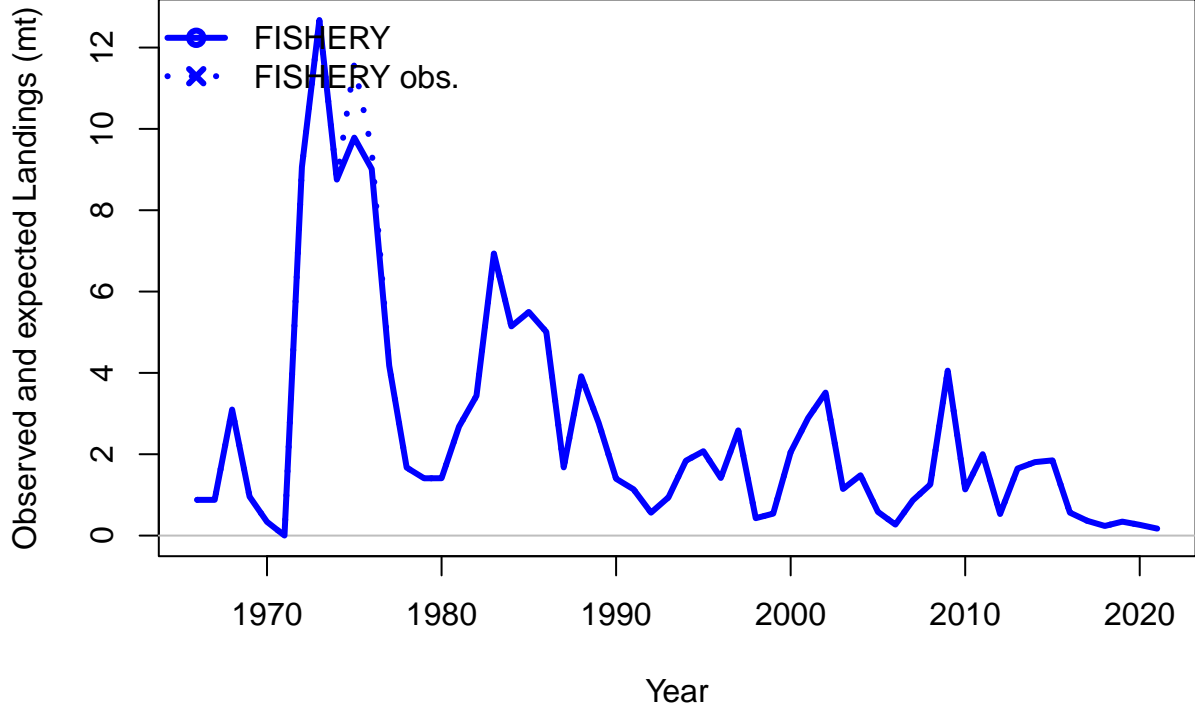


Recruitment (1,000s)

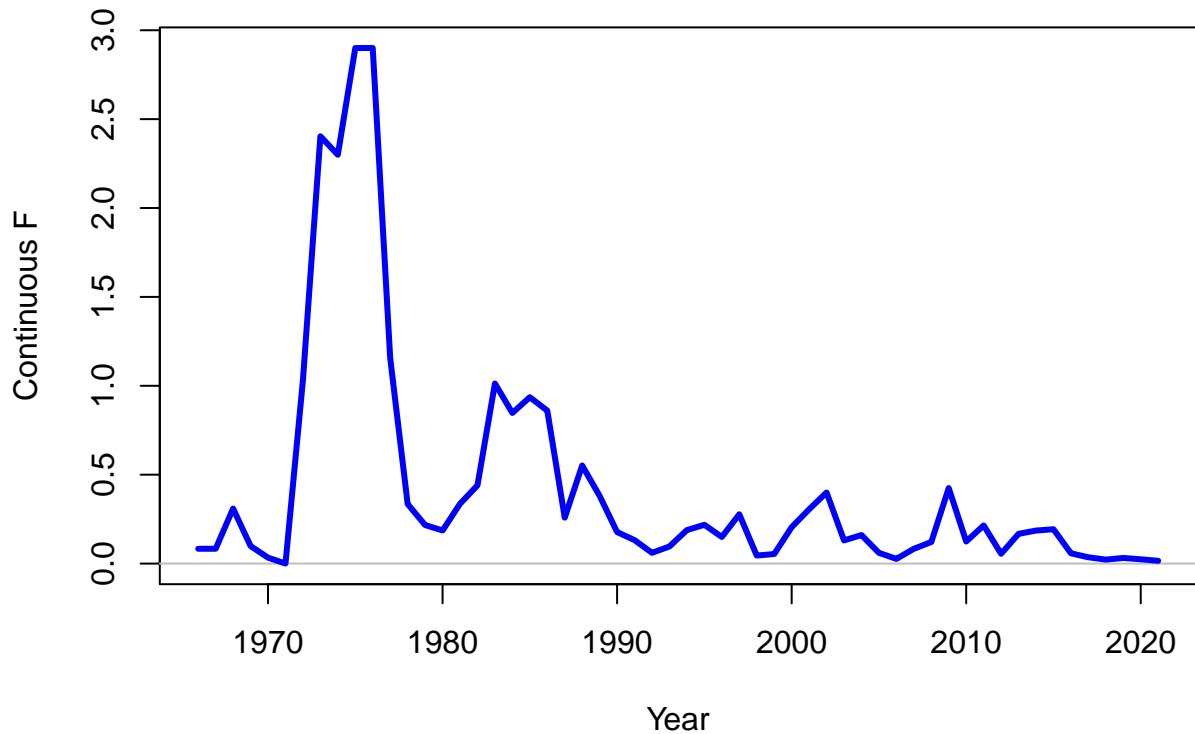




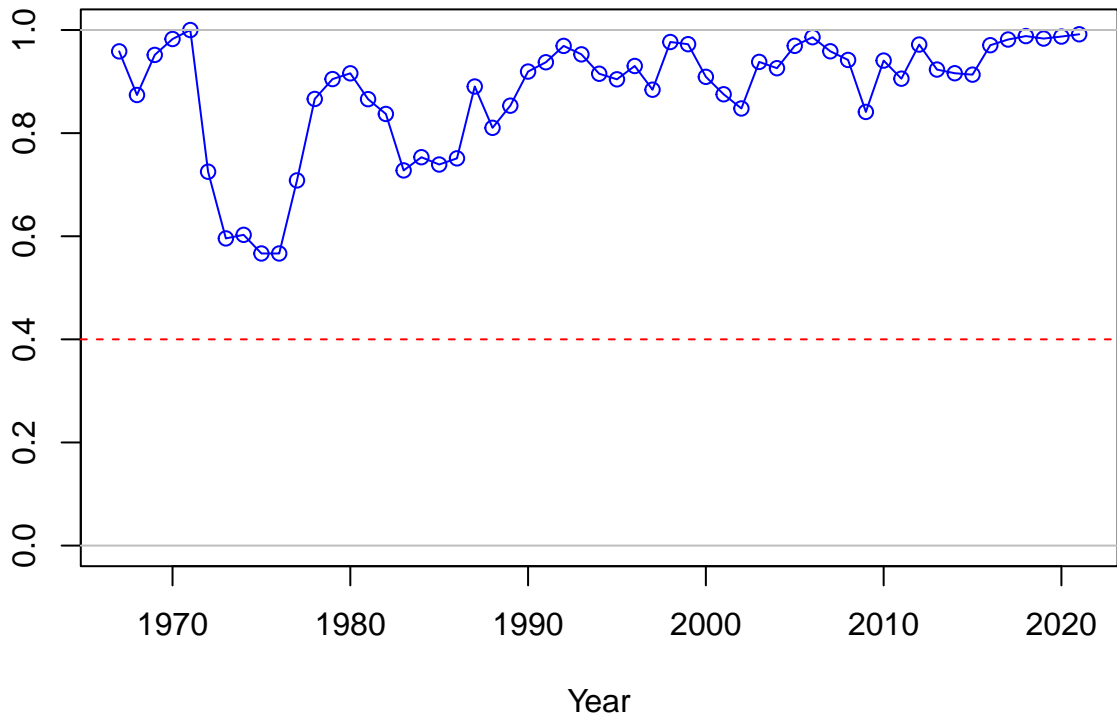




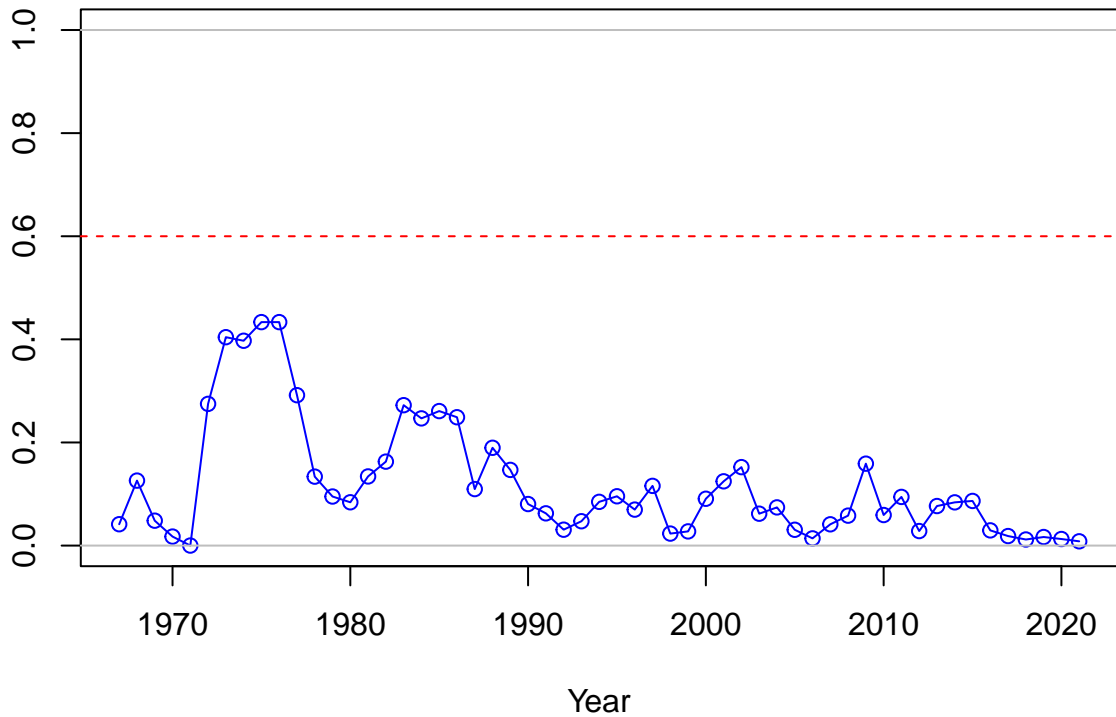




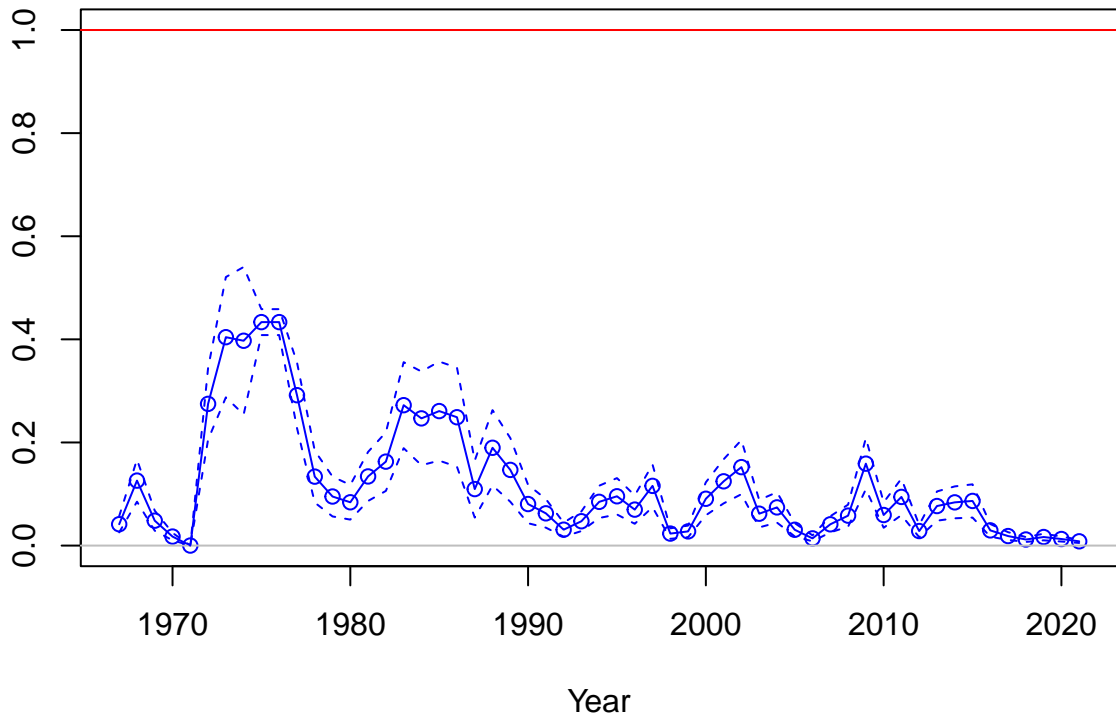
SPR



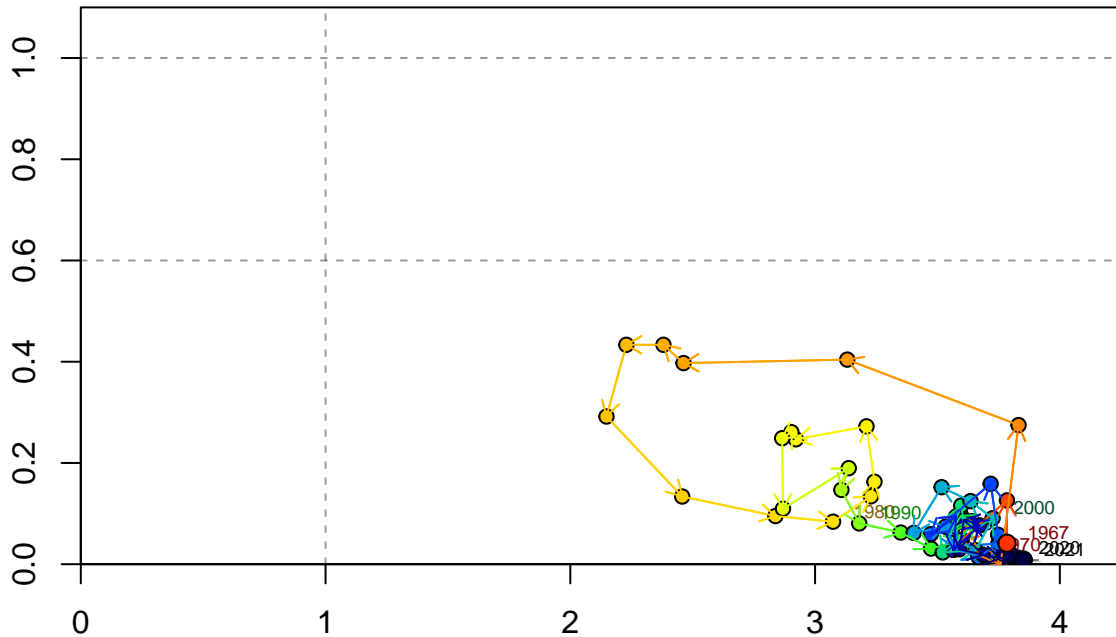
1-SPR



Fishing intensity: 1-SPR

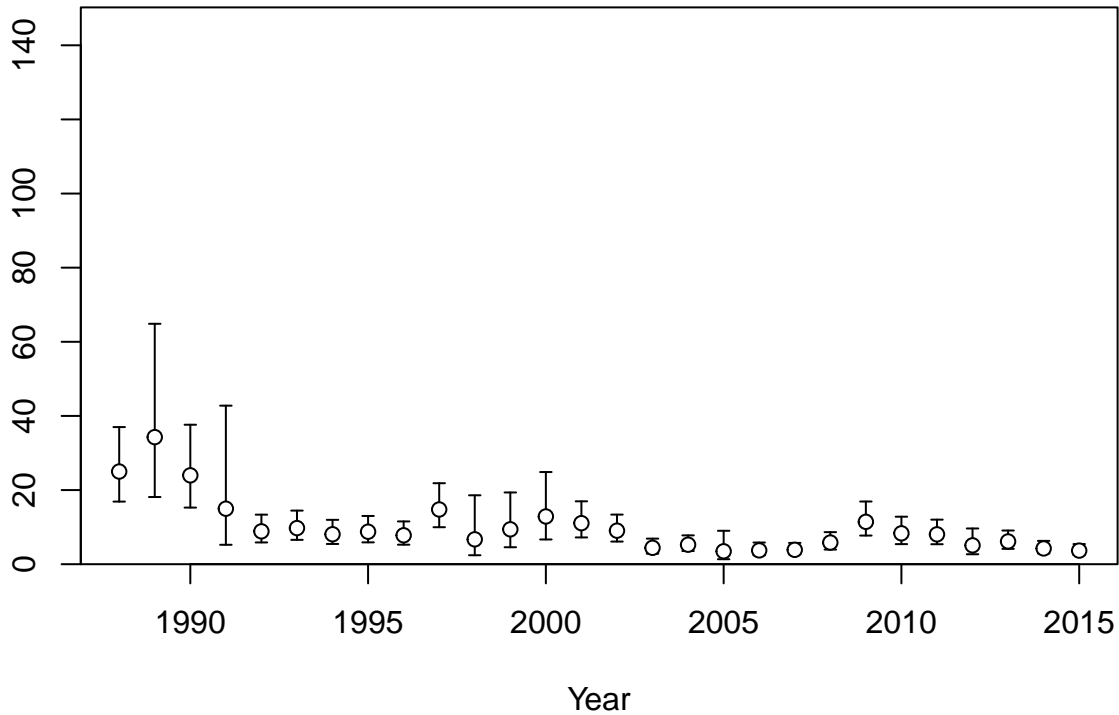


Fishing intensity: 1-SPR

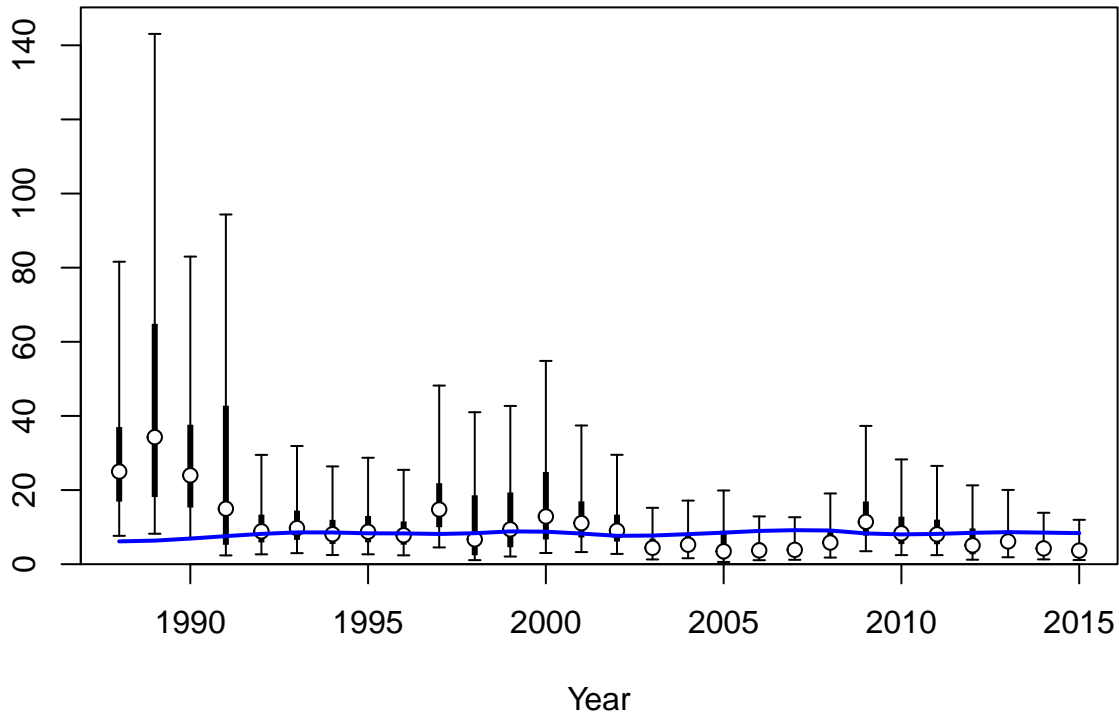


Relative spawning output:  $B/B_{MSY}$

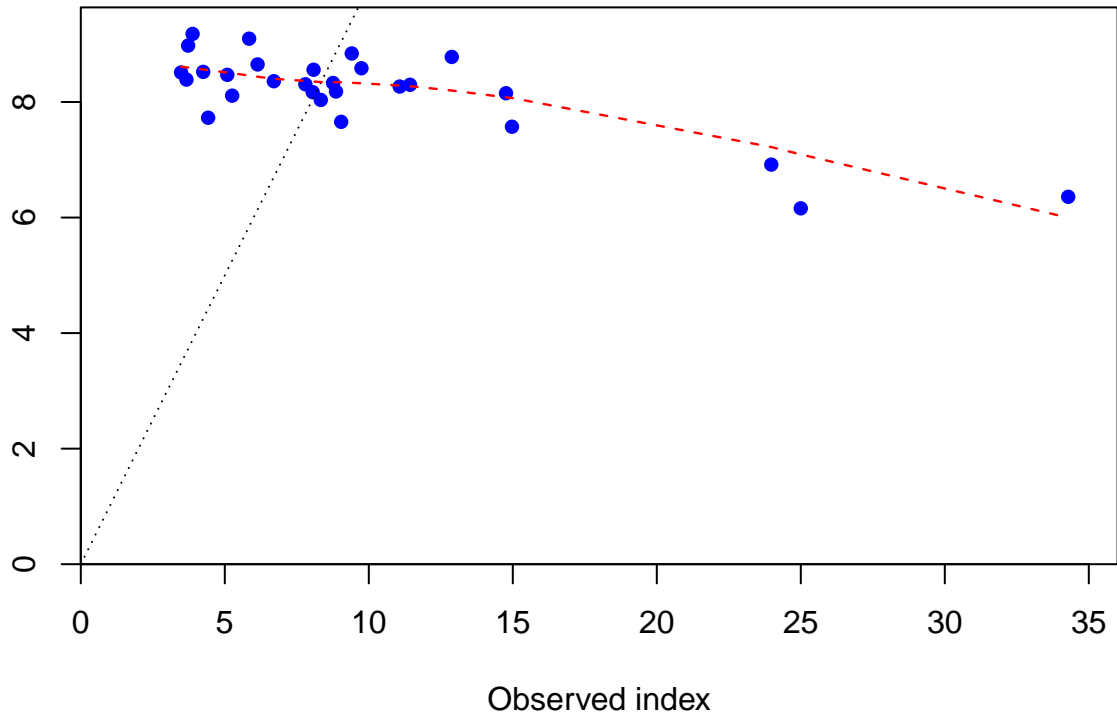
Index



Index

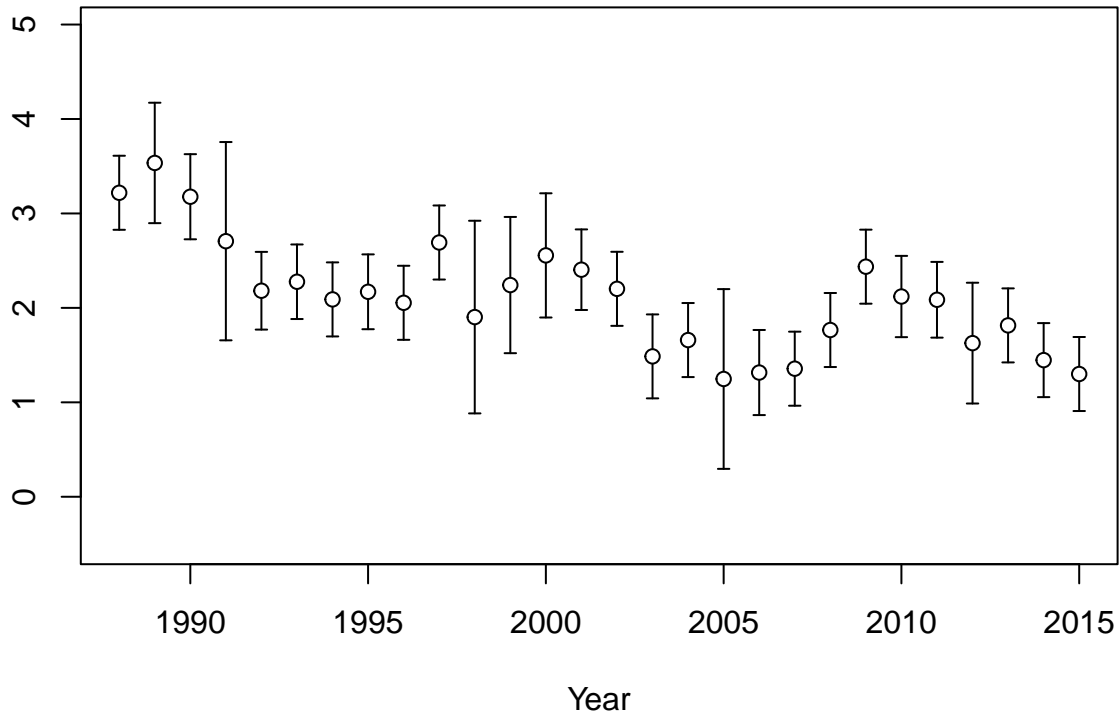


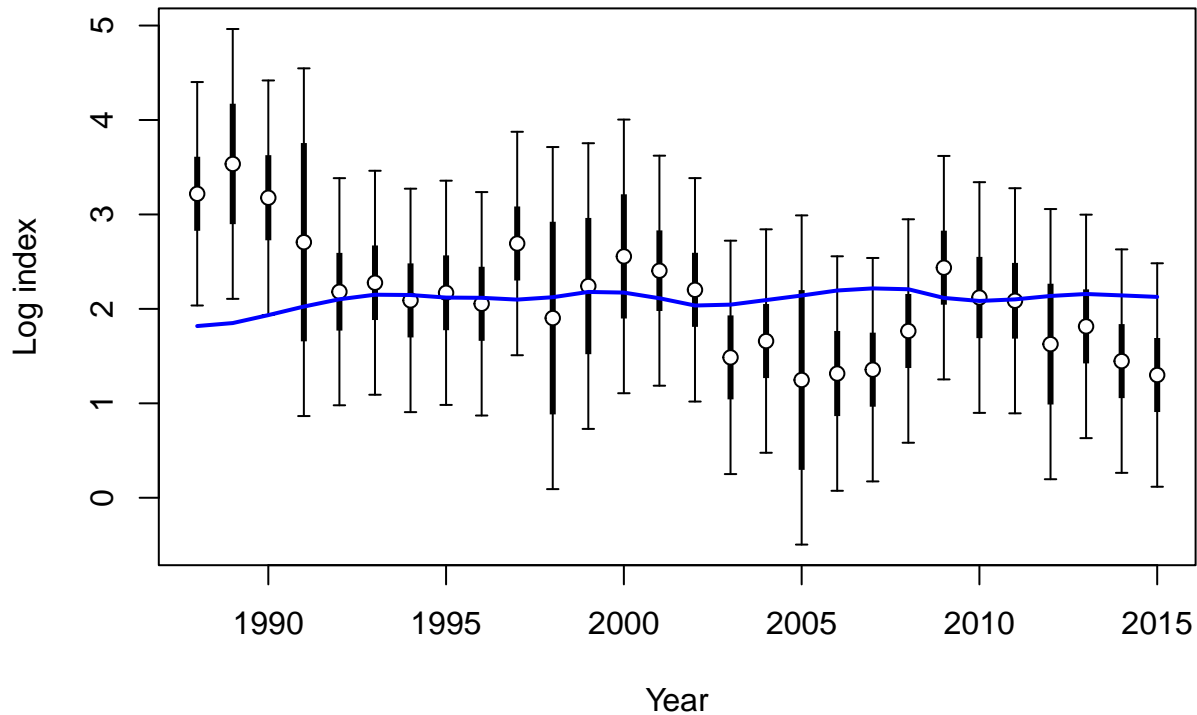
Expected index

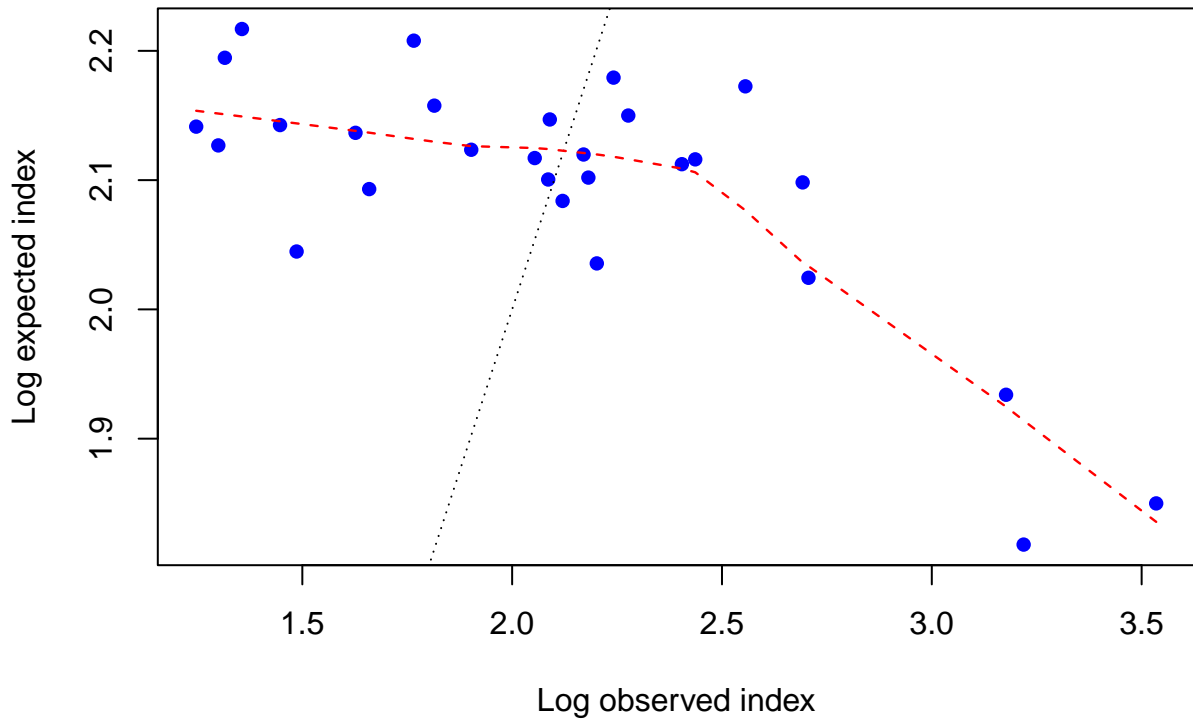


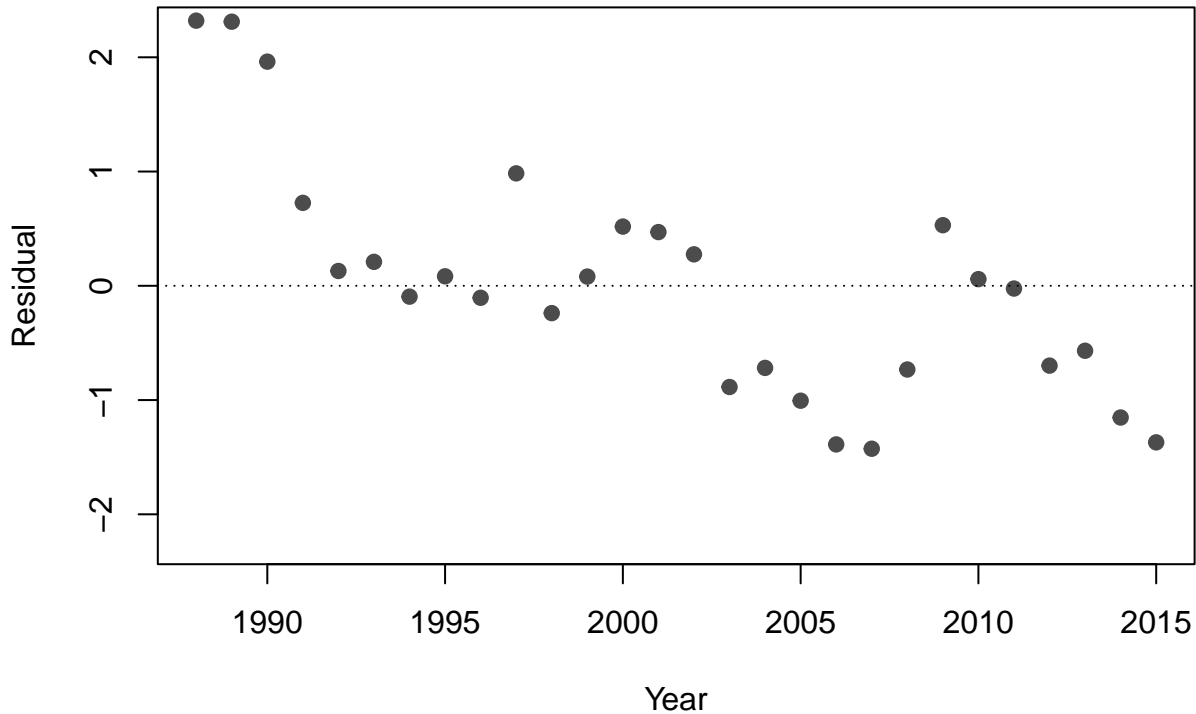


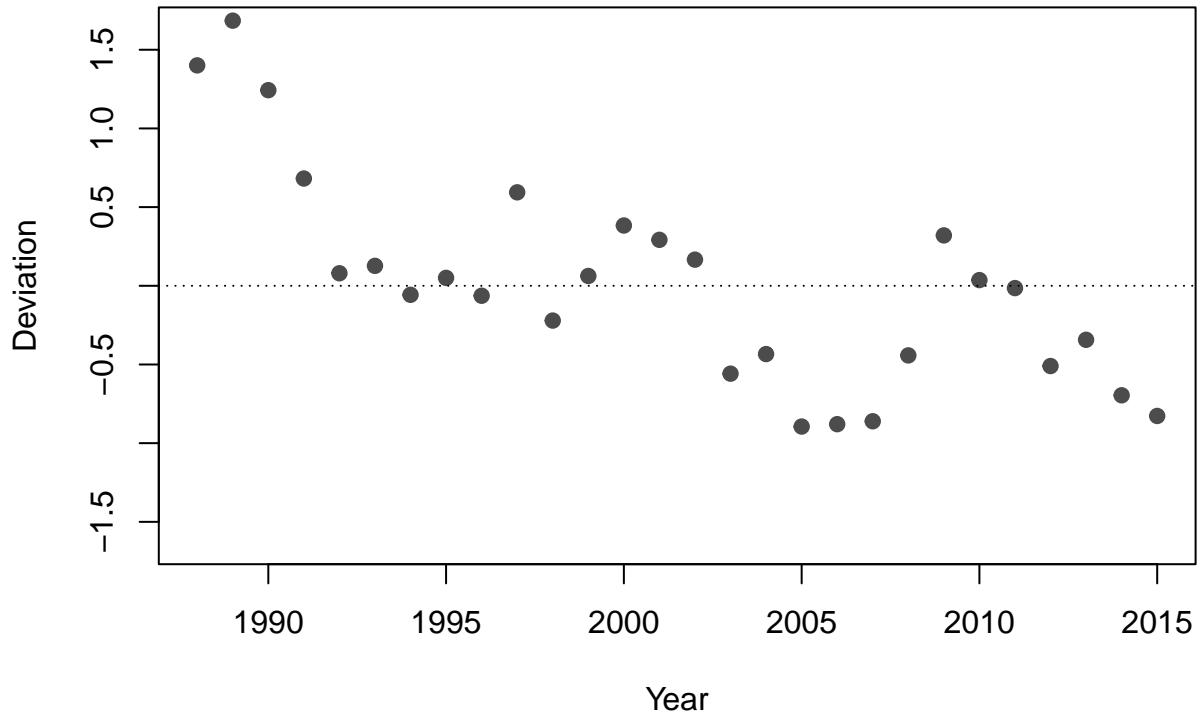
Log index



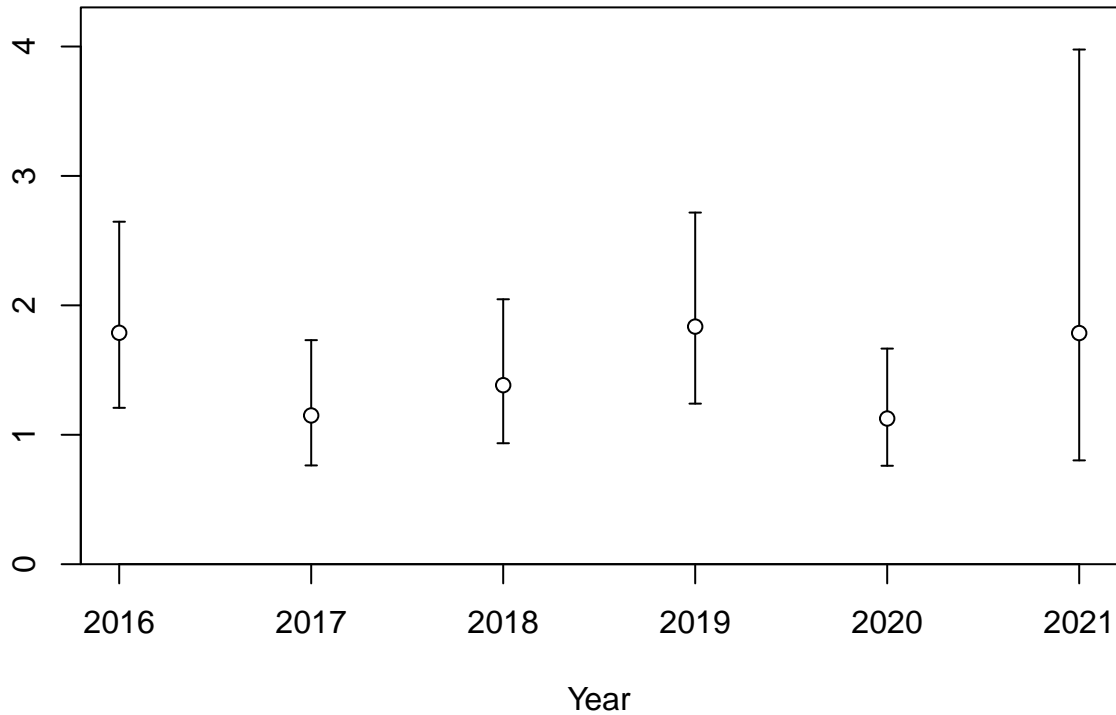




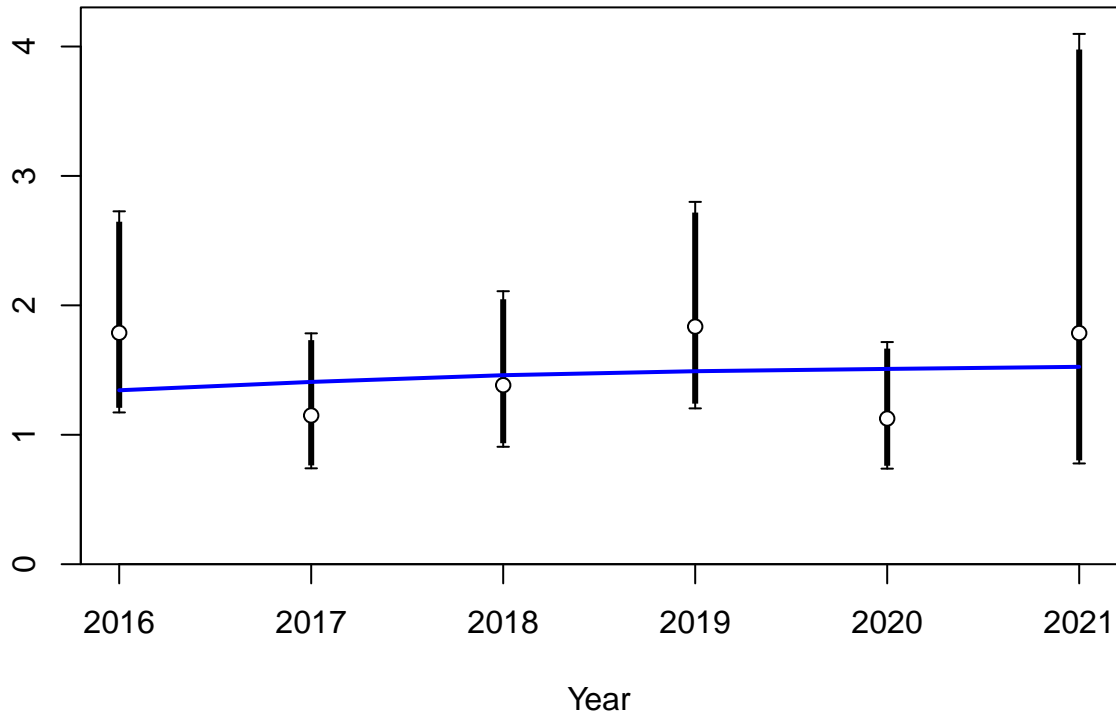


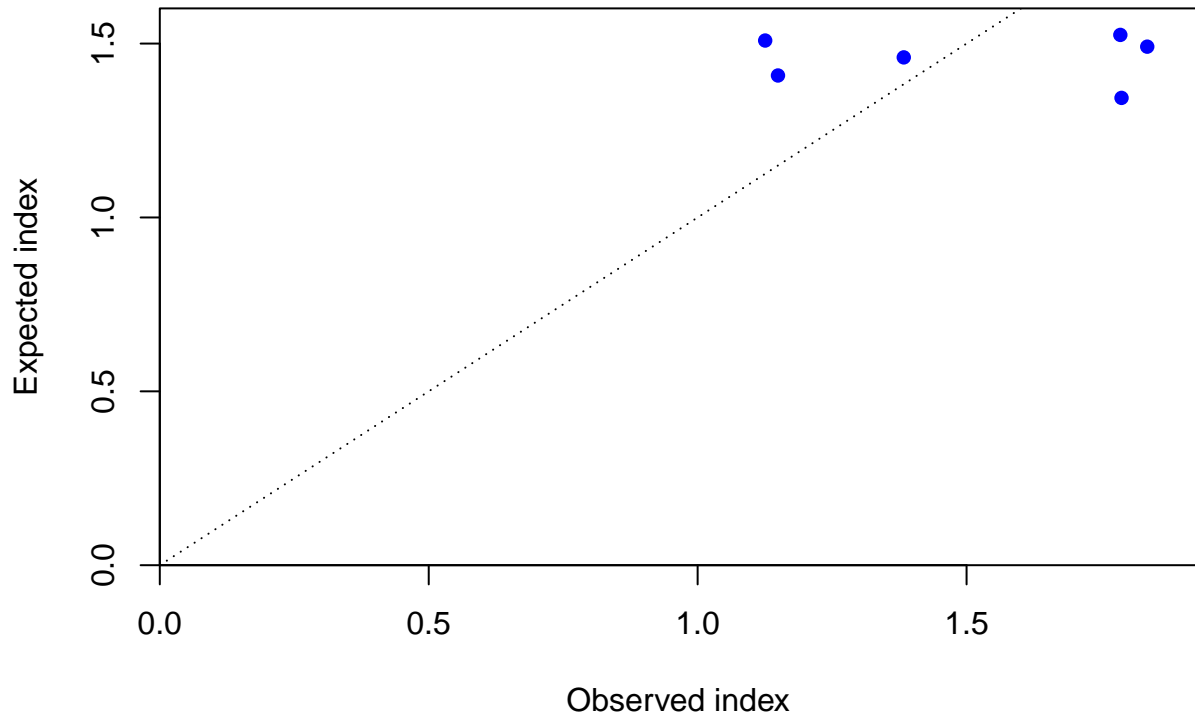


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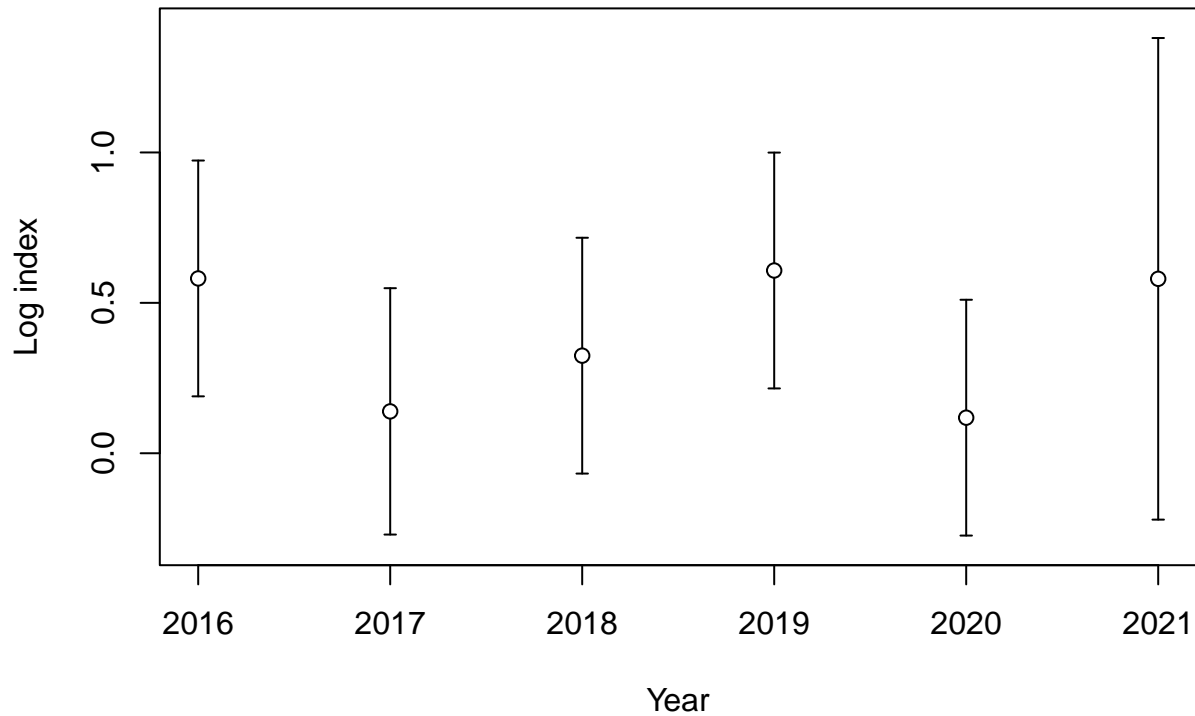


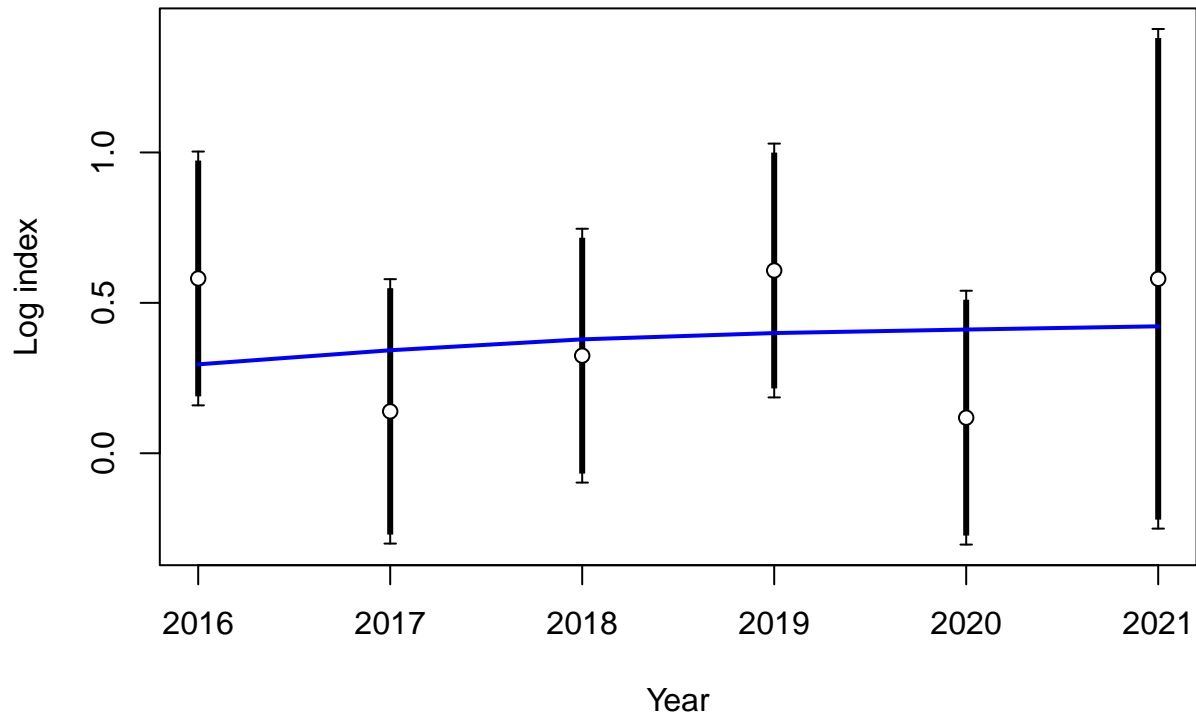
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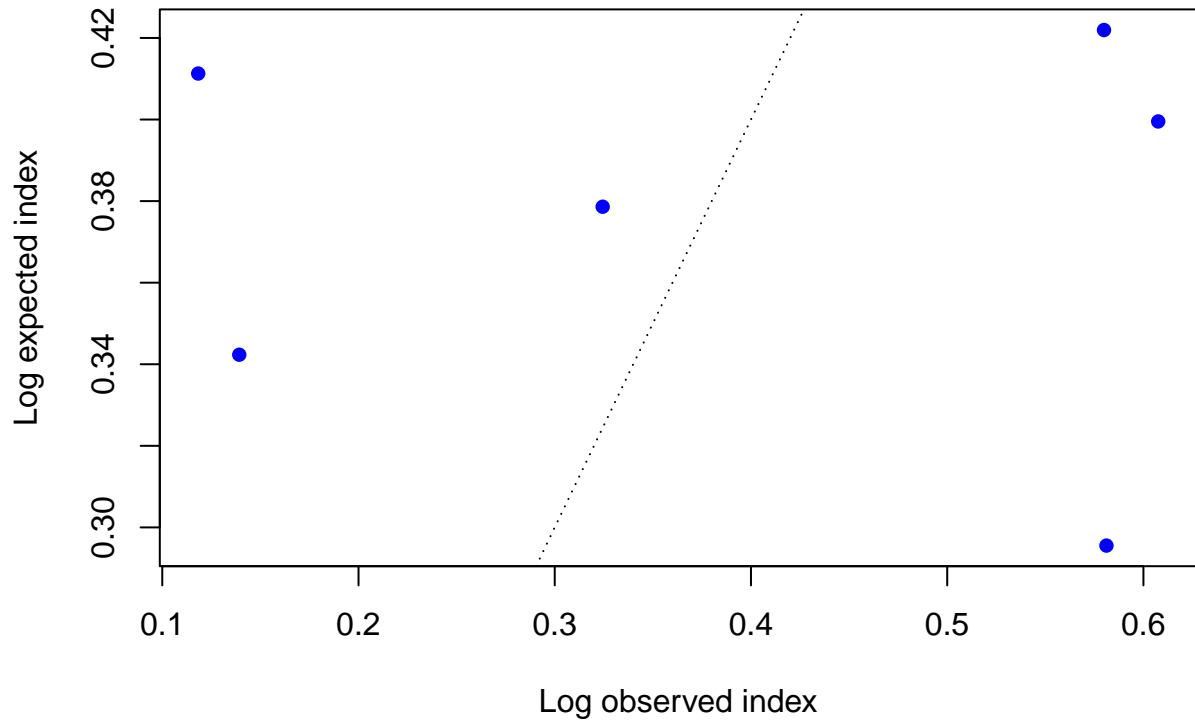


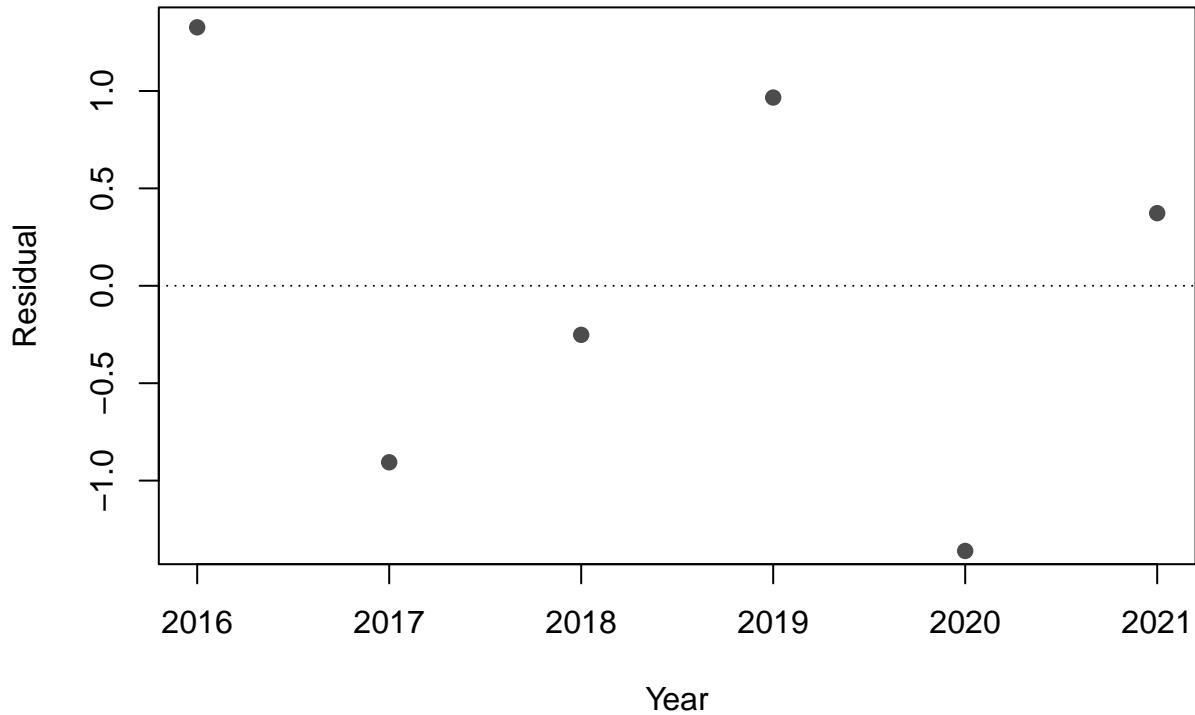


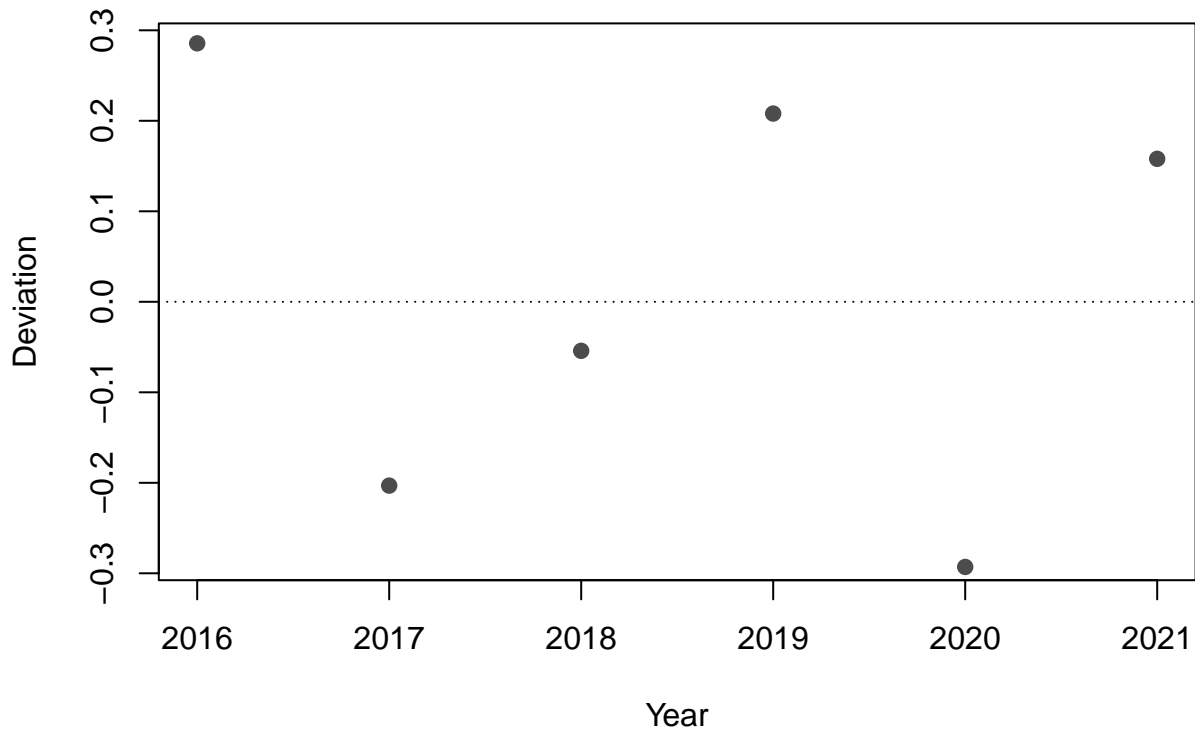


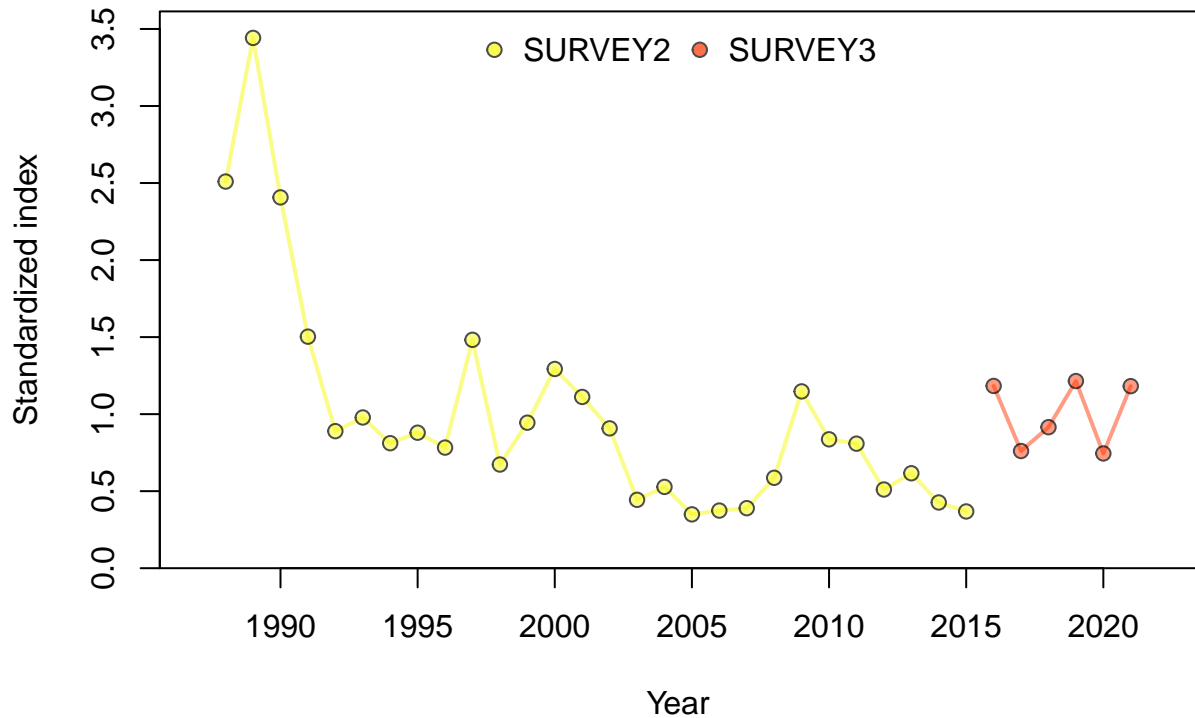




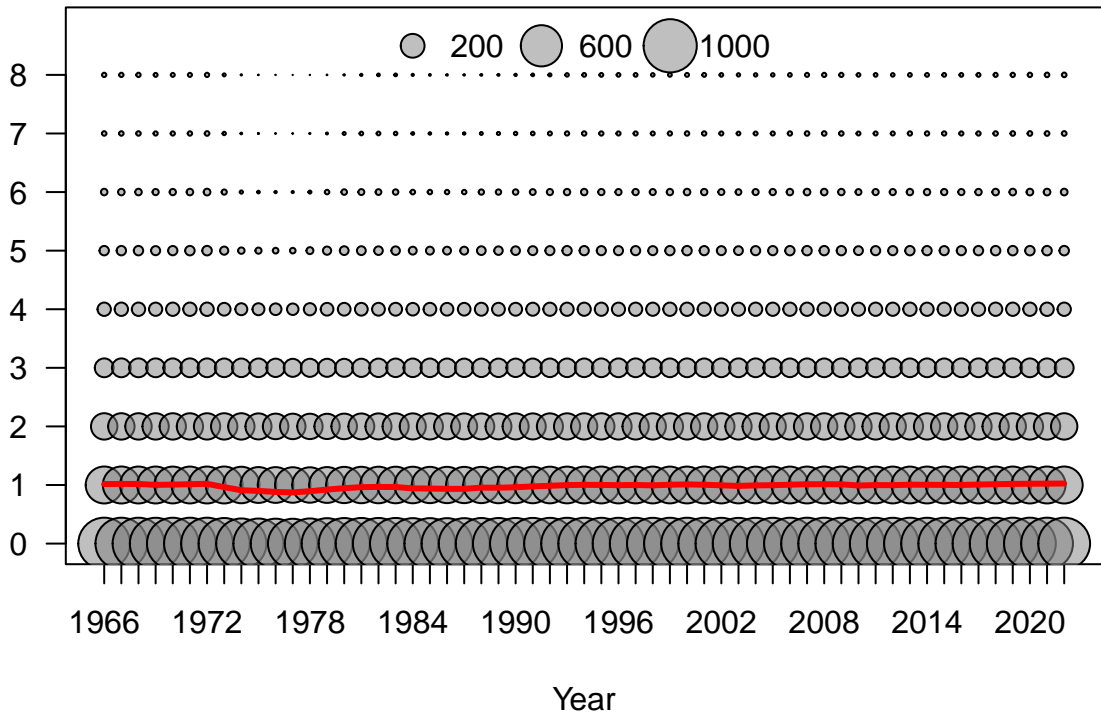




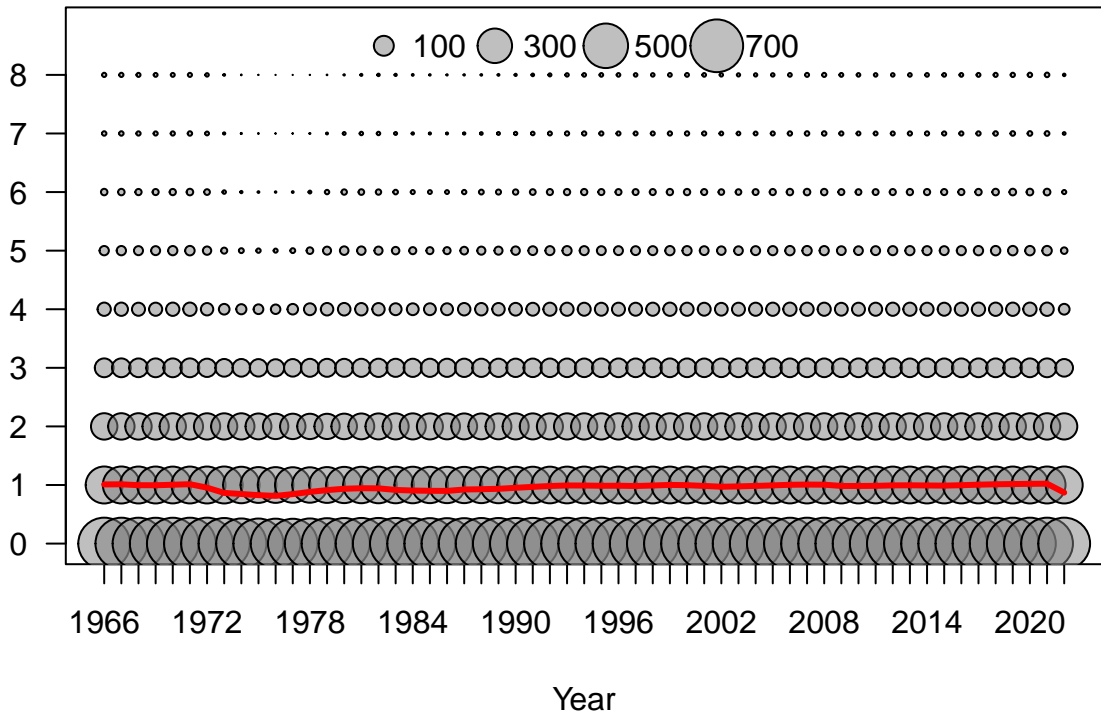




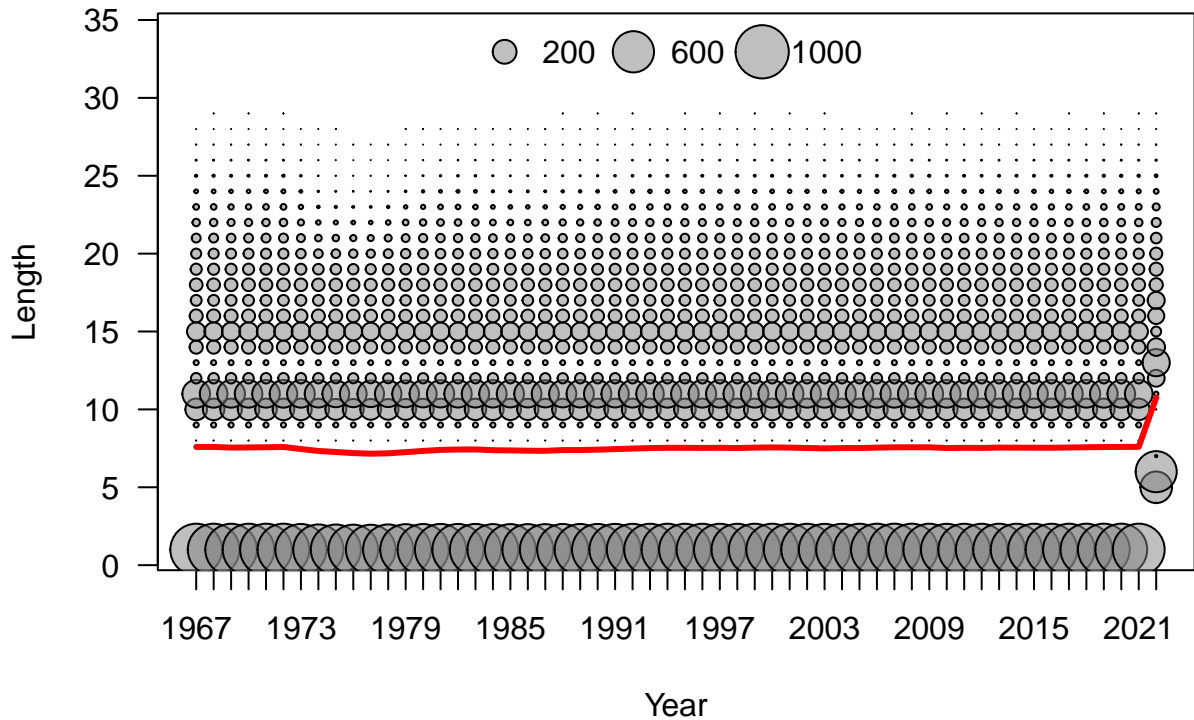
Age

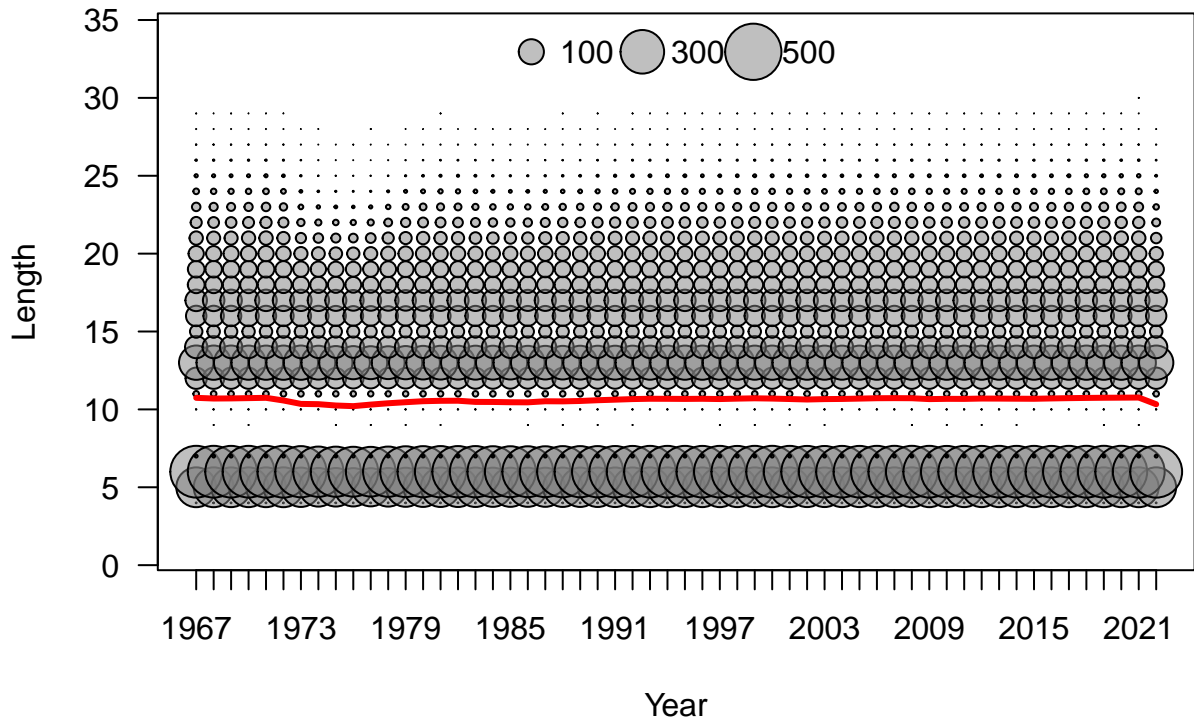


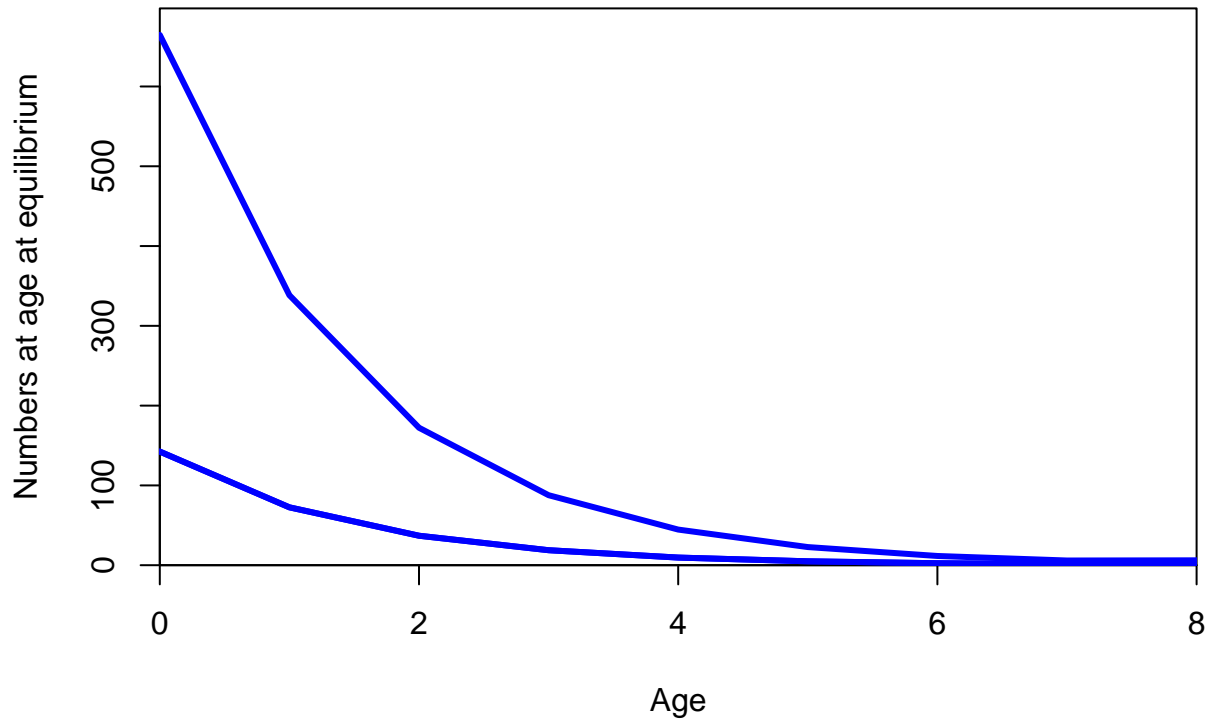
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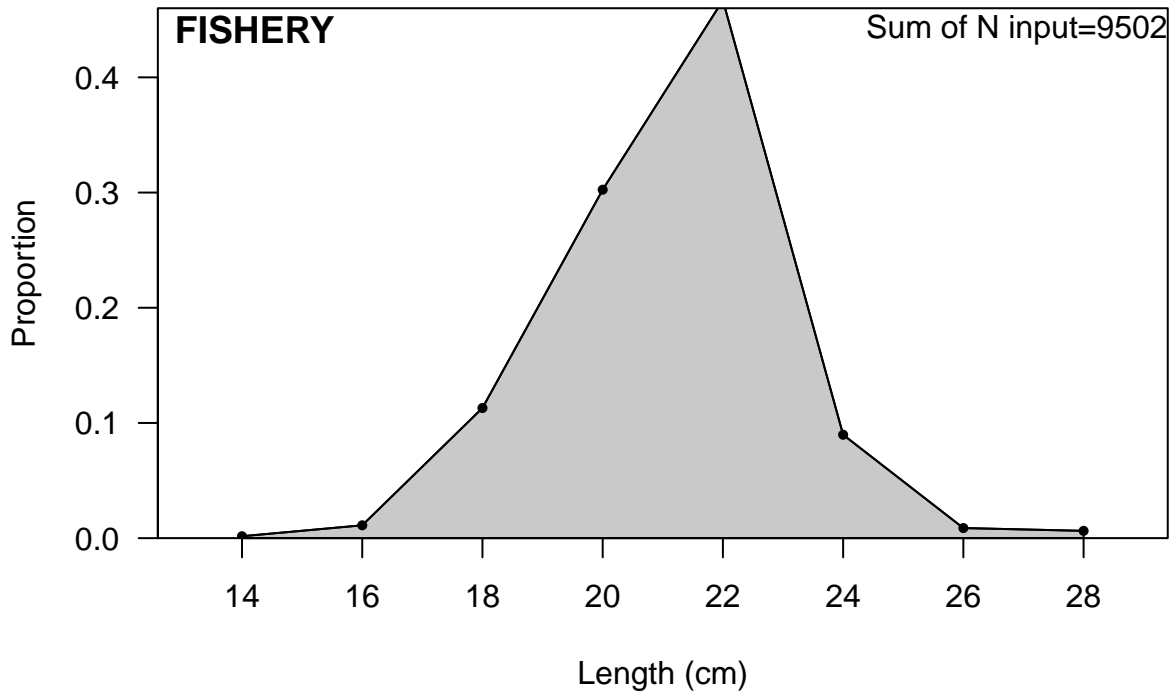


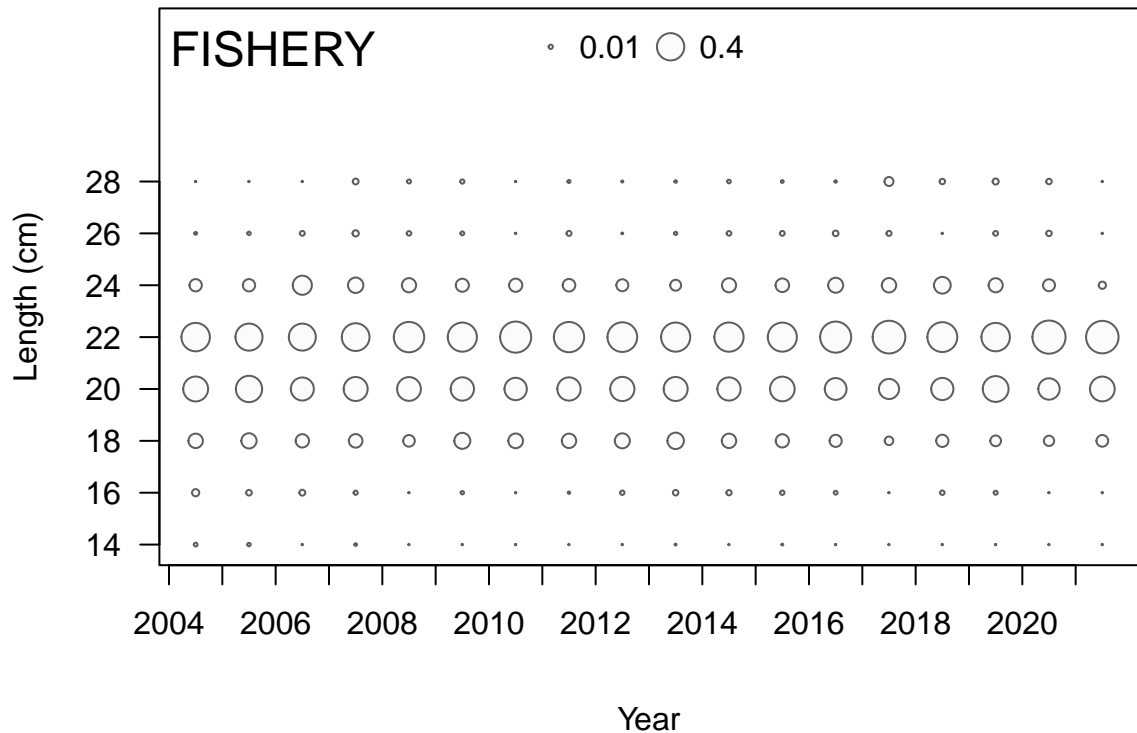




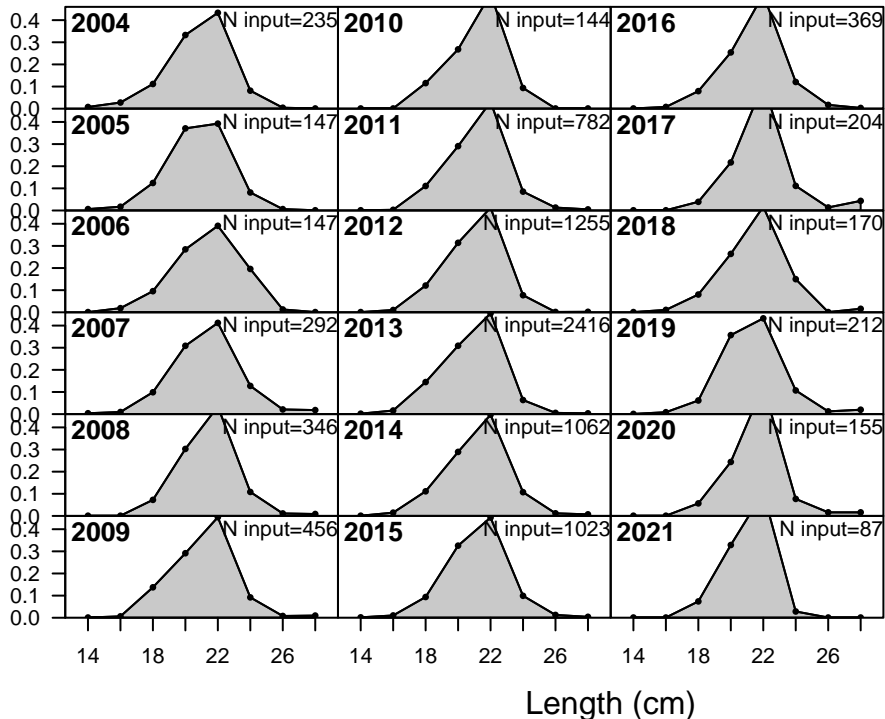


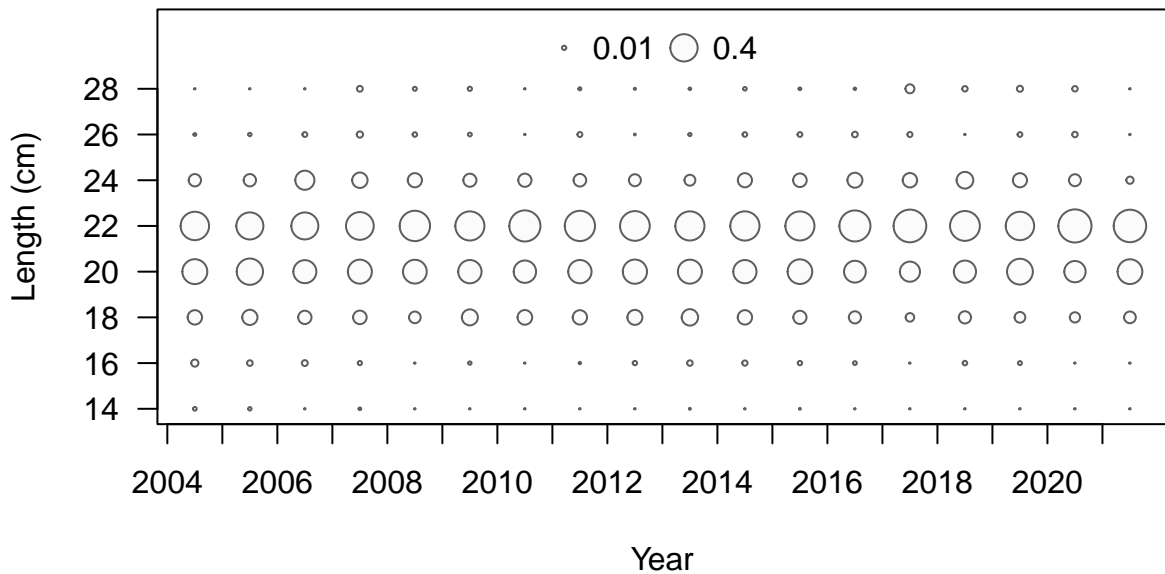




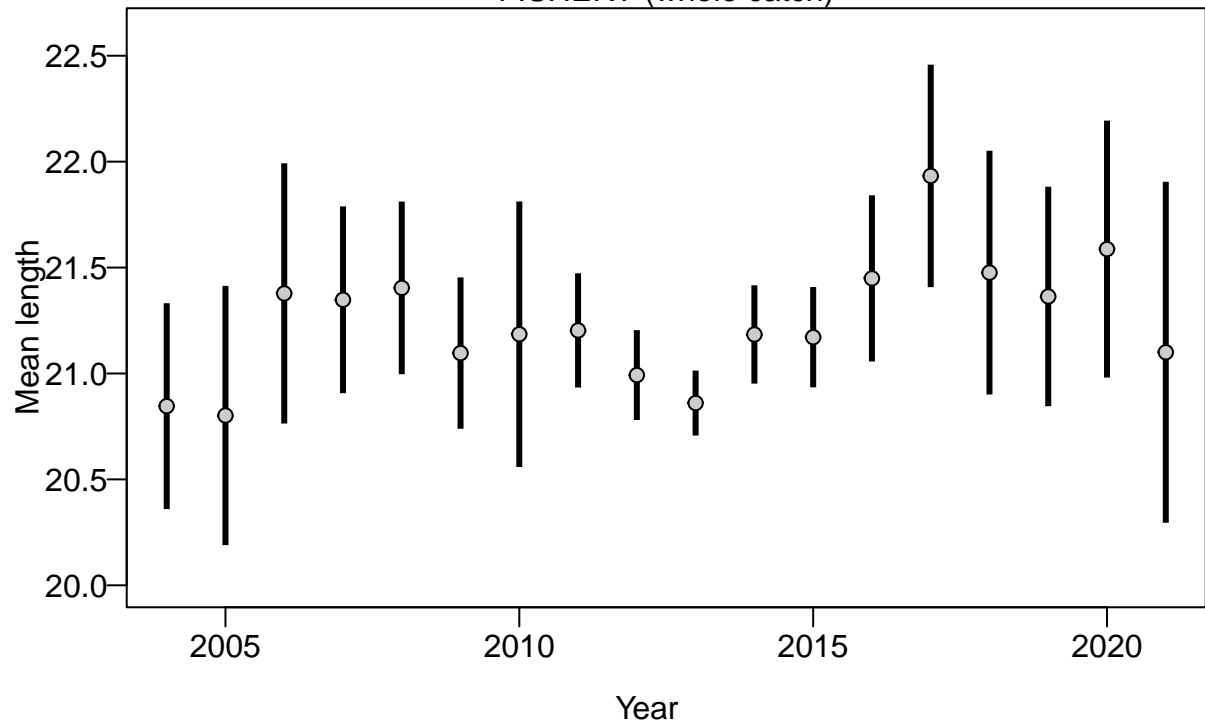


Proportion

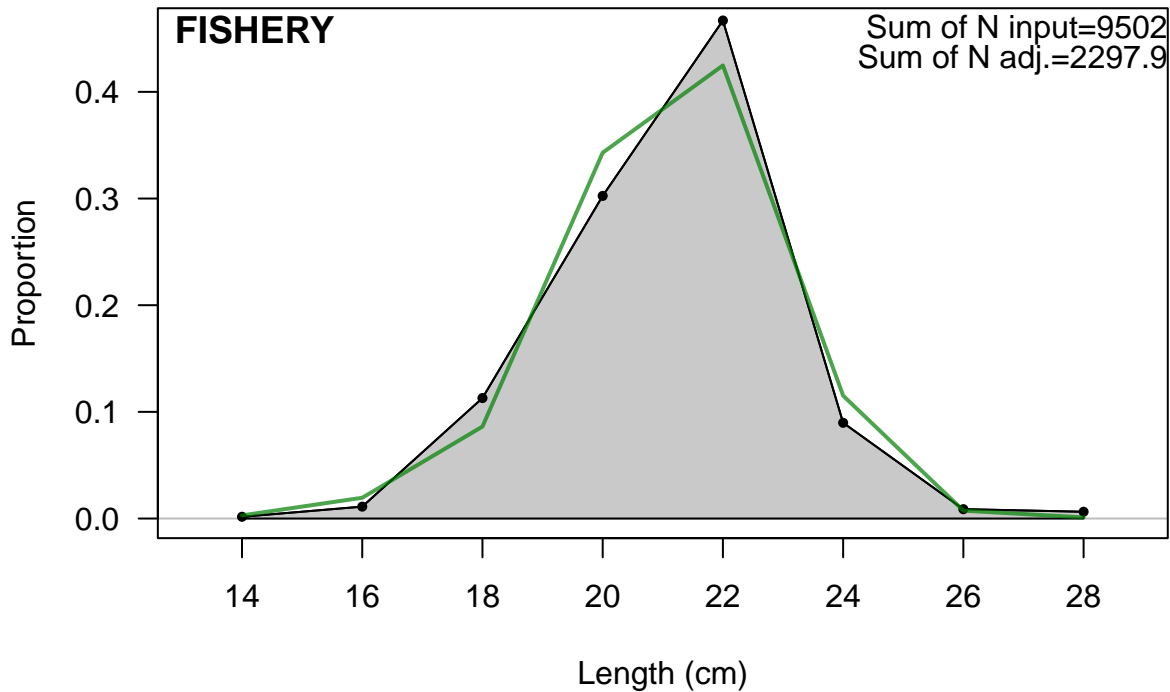


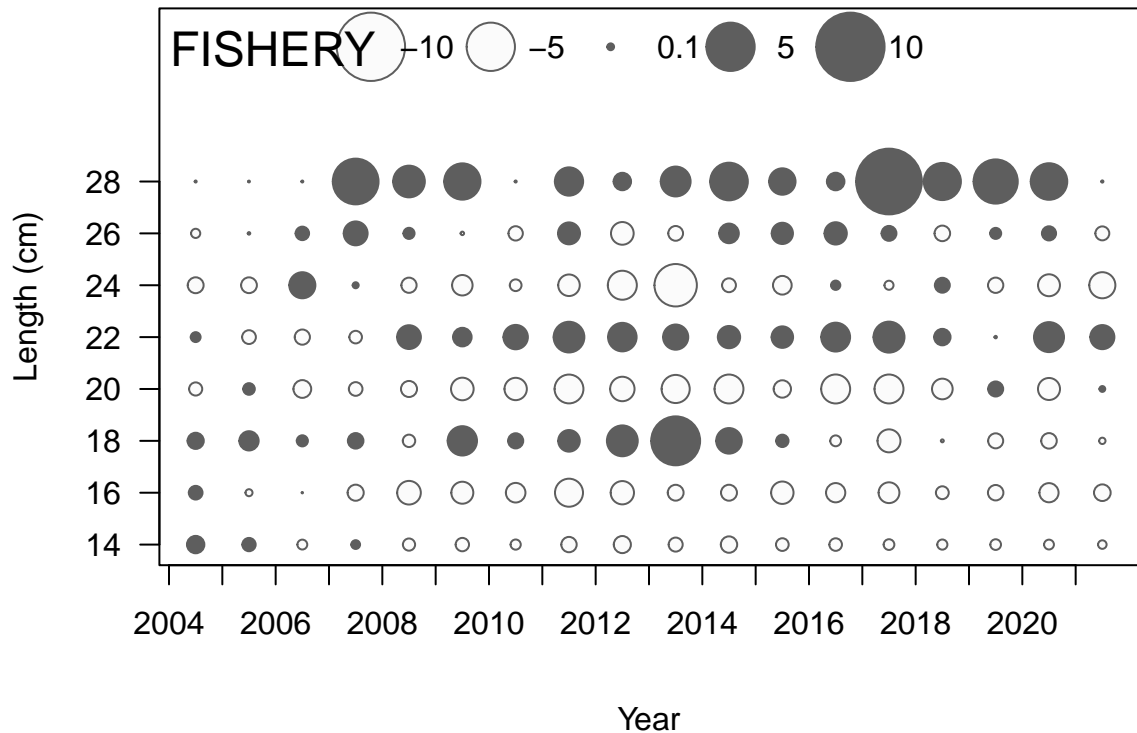


## FISHERY (whole catch)

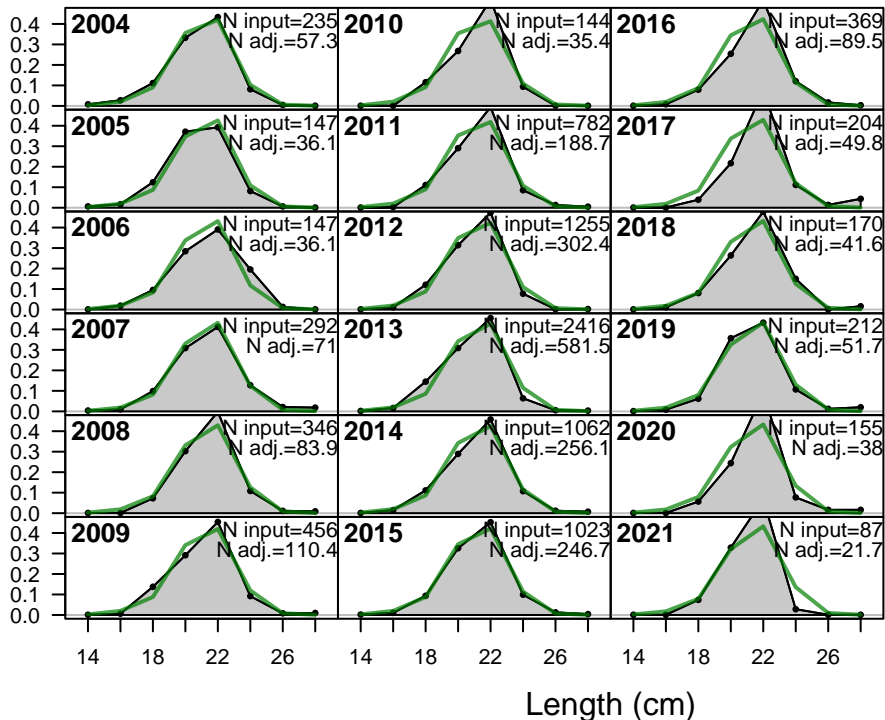


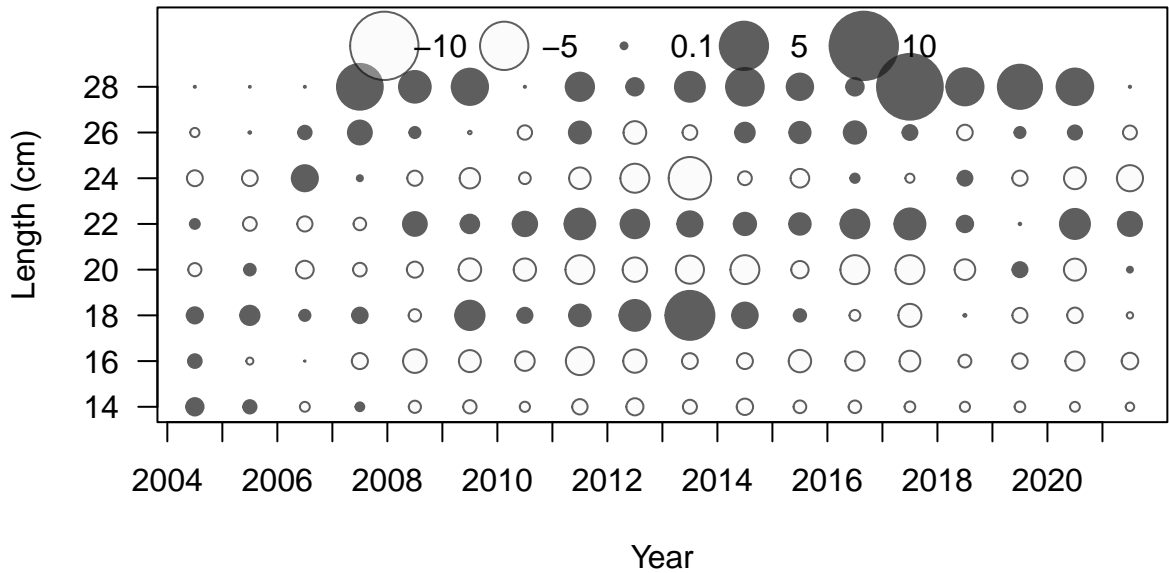




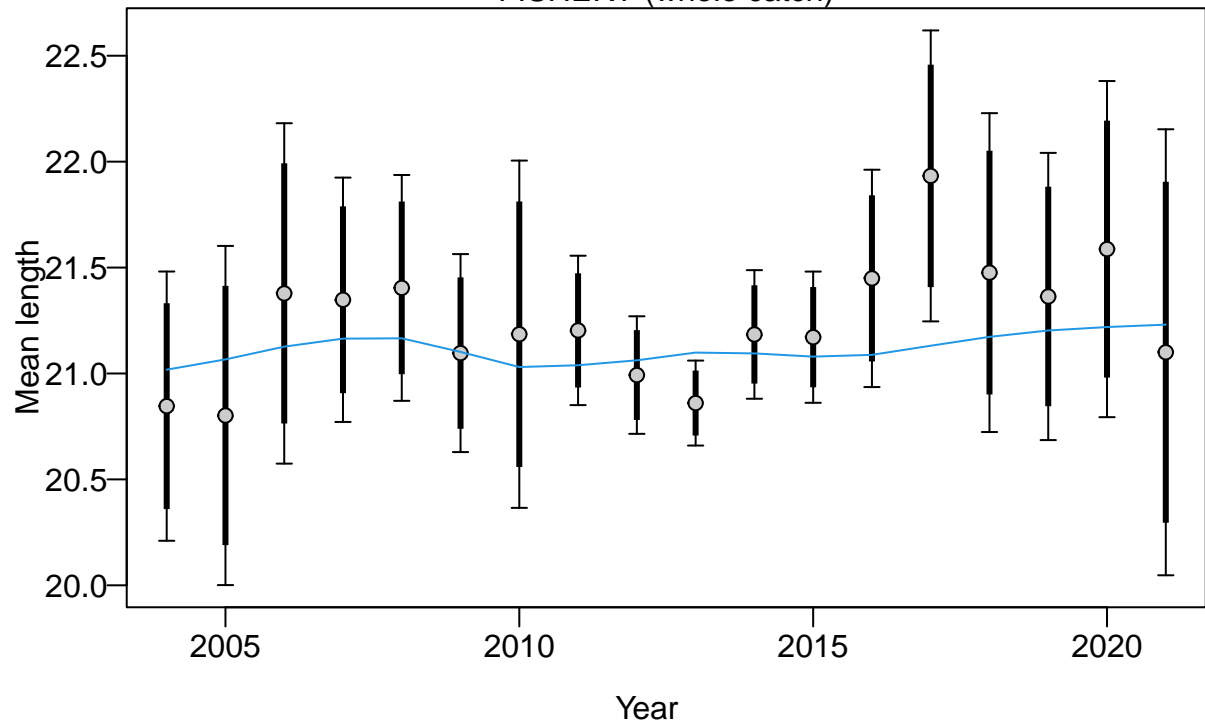


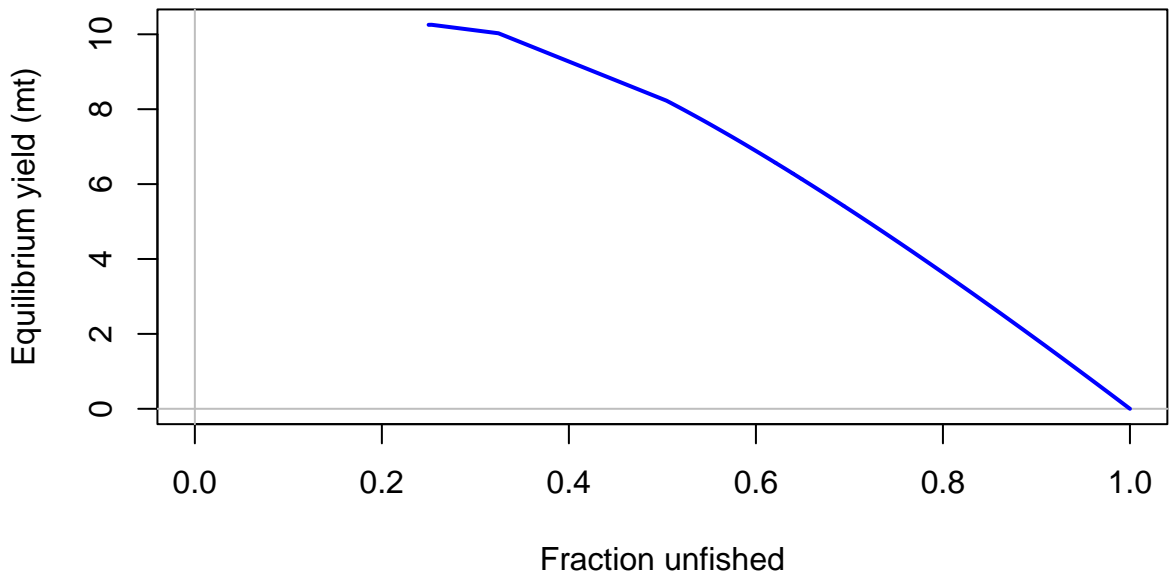
Proportion

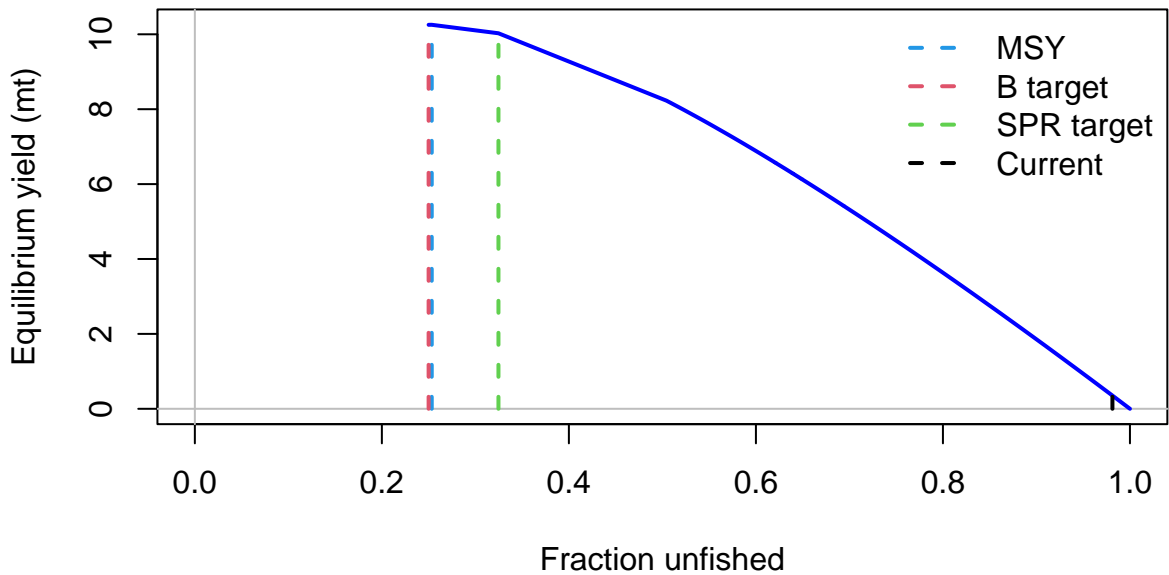


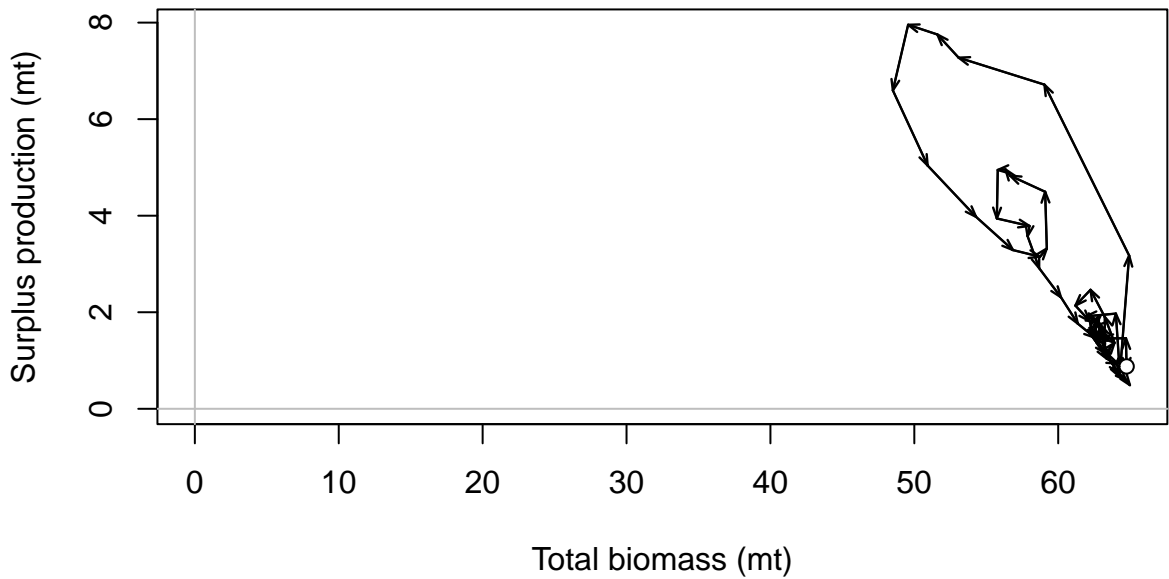


## FISHERY (whole catch)

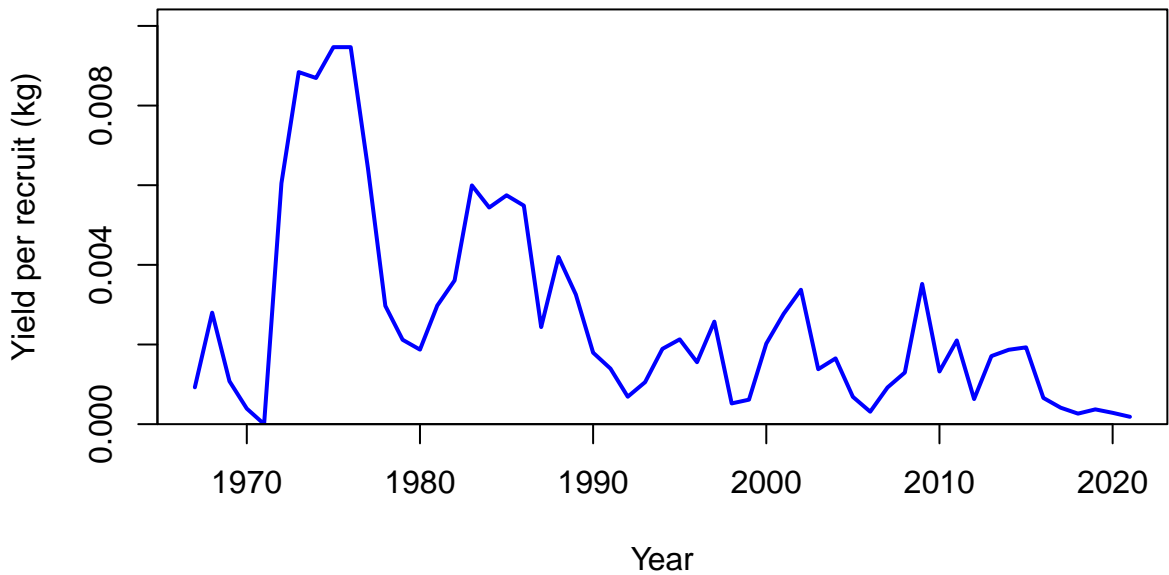


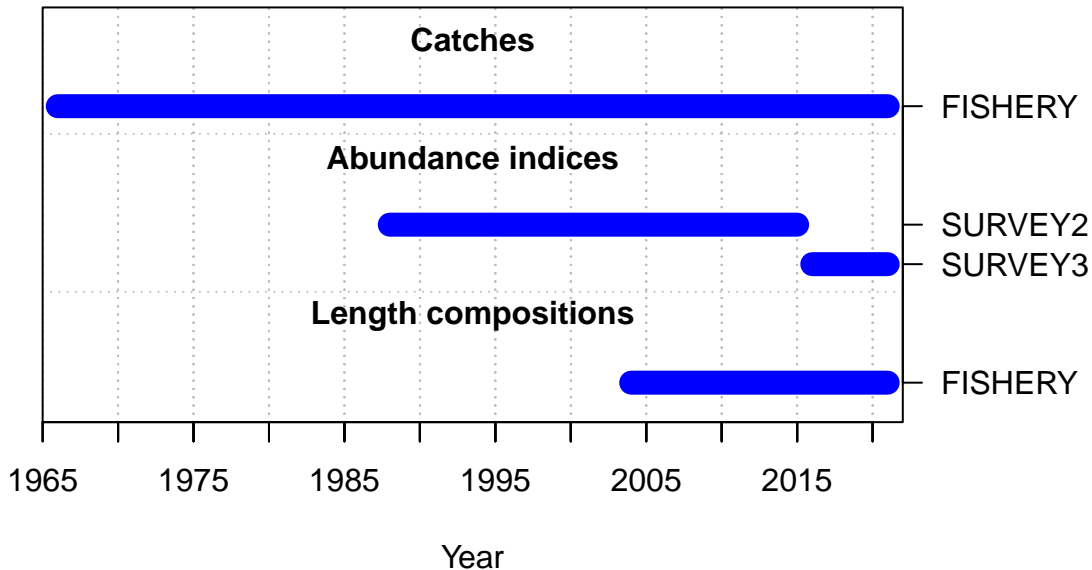


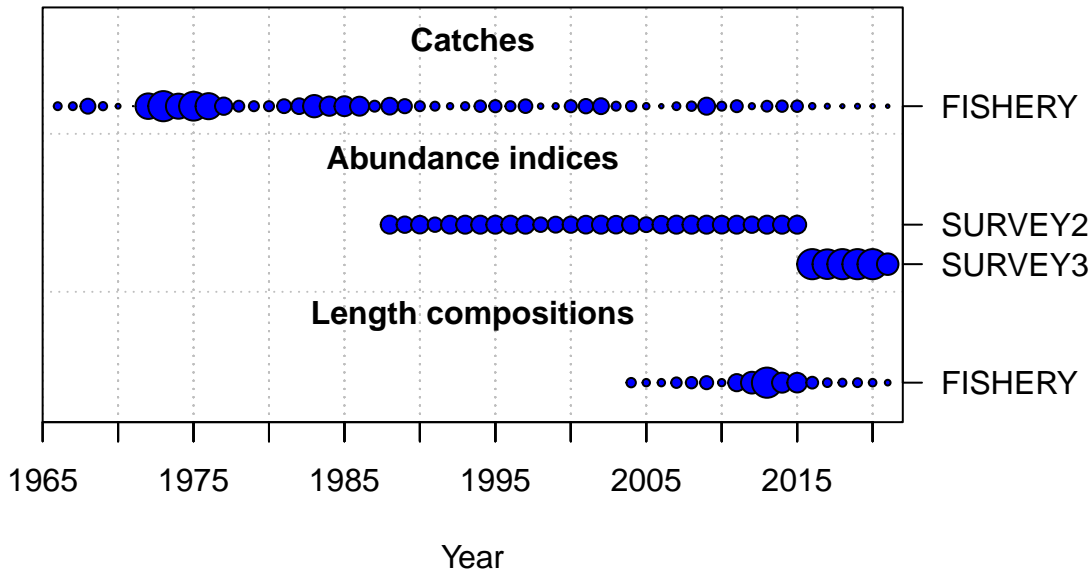




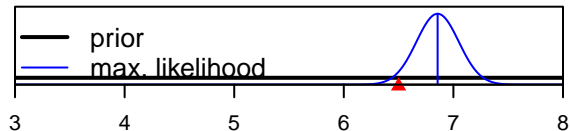




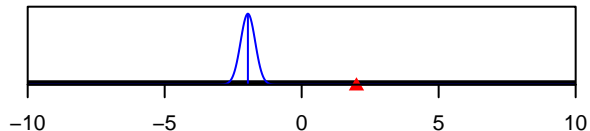




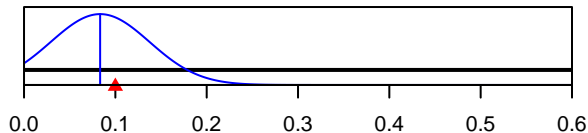
SR\_LN(R0)



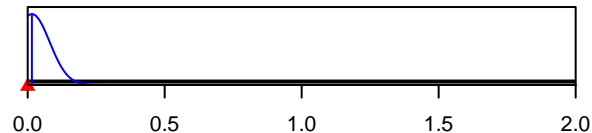
LnQ\_base\_SURVEY3(3)



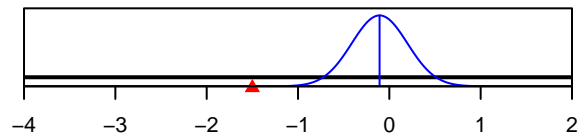
InitF\_seas\_1\_flt\_1FISHERY



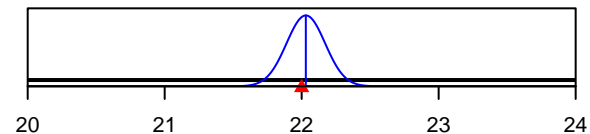
Q\_extraSD\_SURVEY3(3)



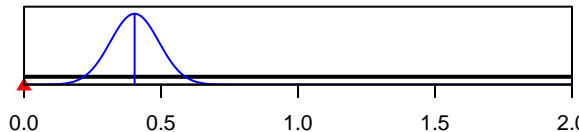
LnQ\_base\_SURVEY2(2)



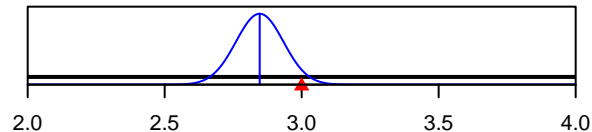
Size\_inflection\_FISHERY(1)



Q\_extraSD\_SURVEY2(2)

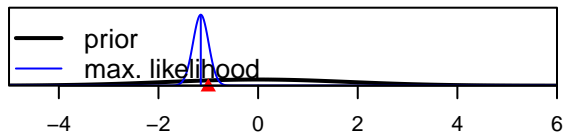


Size\_95%width\_FISHERY(1)



Parameter value

$\ln(\text{DM\_theta})_1$



Density

Parameter value