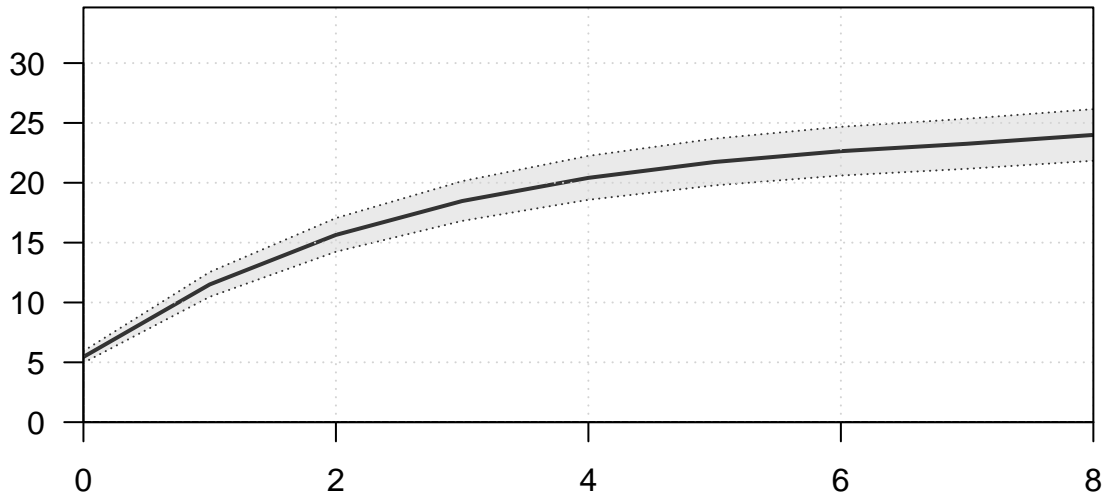
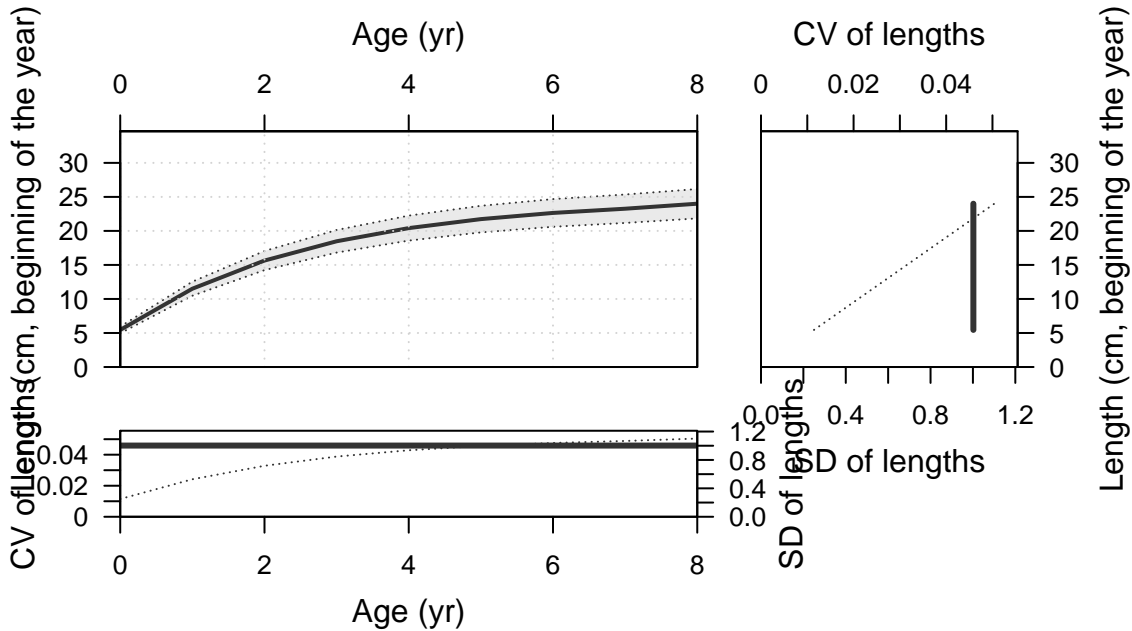


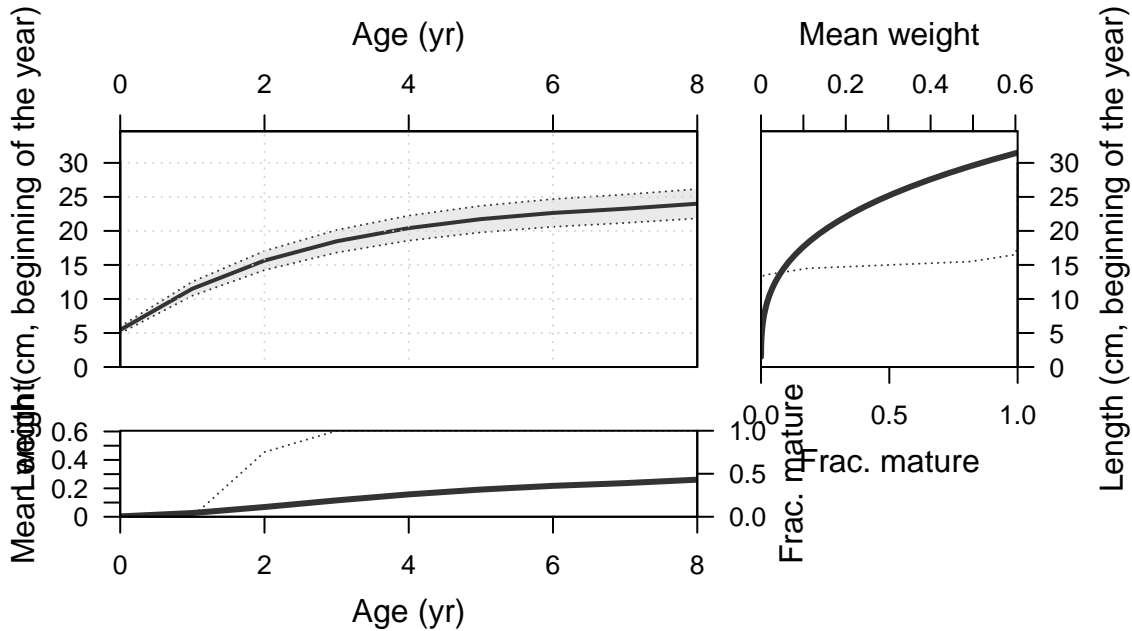
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Wed Aug 10 17:43:00 2022  
Data\_File: data.ss  
Control\_File: control.ss

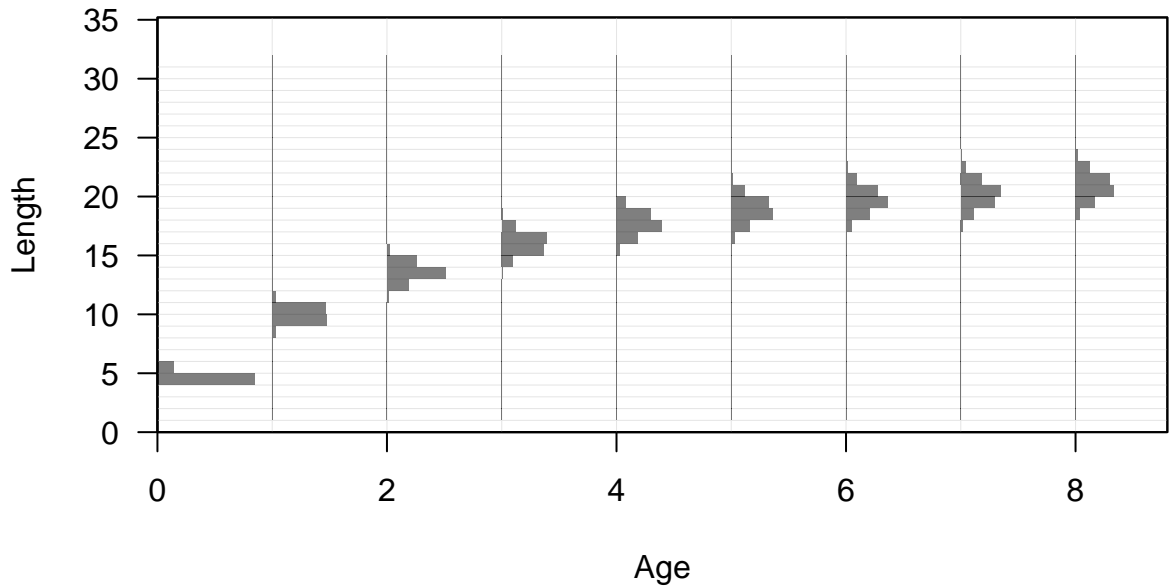
Length (cm, beginning of the year)

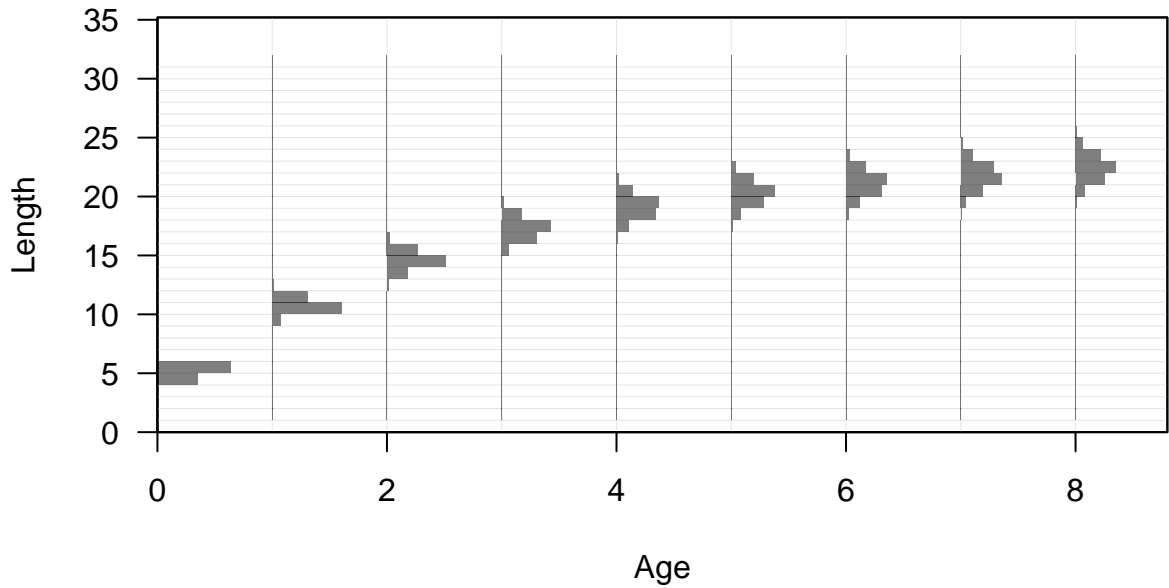


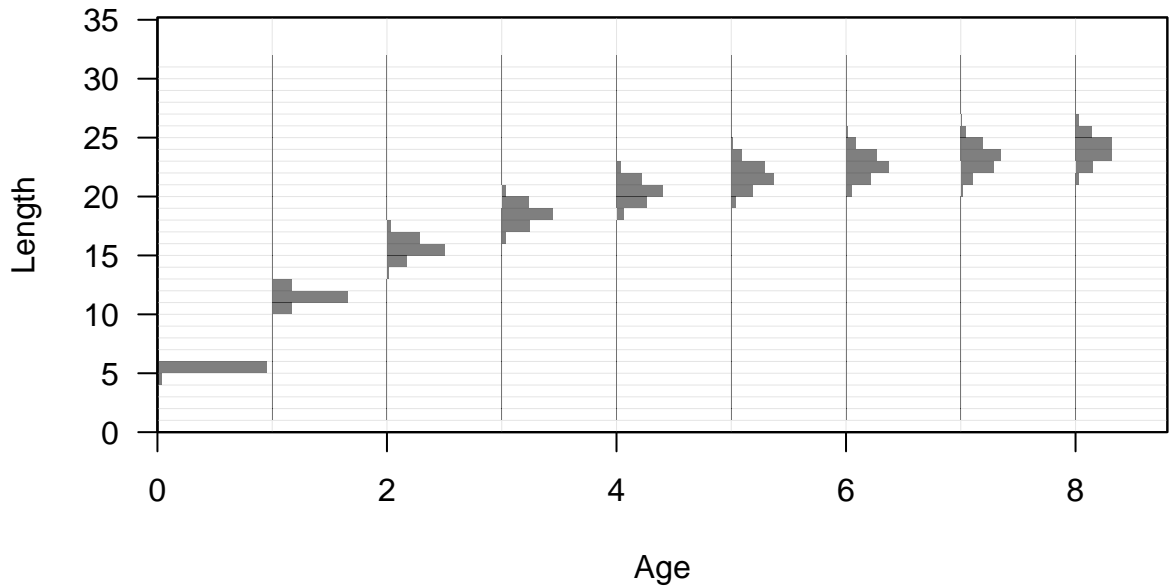
Age (yr)

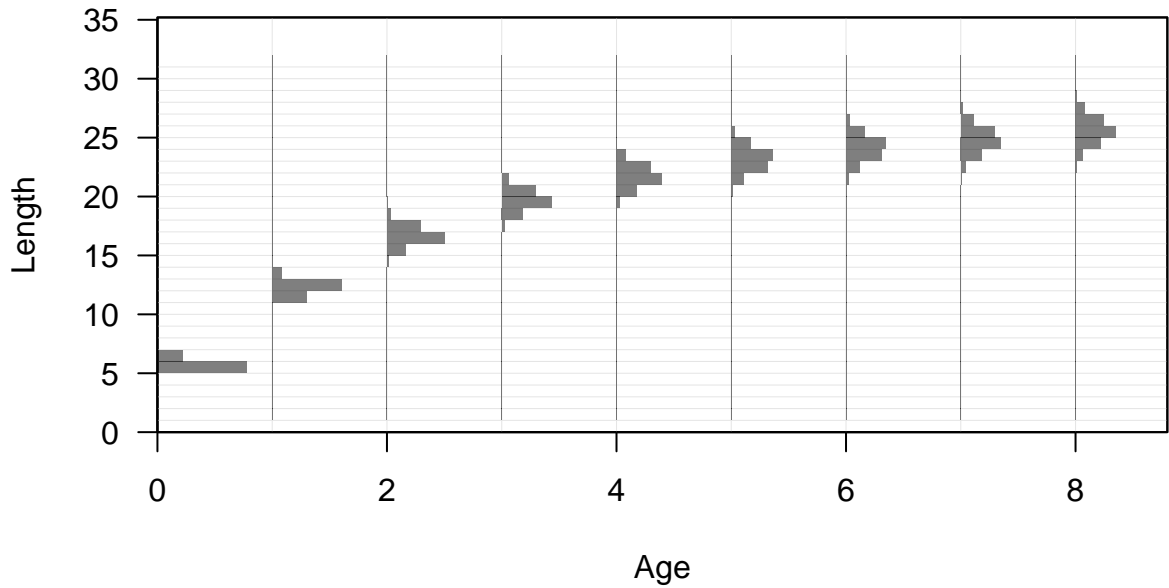




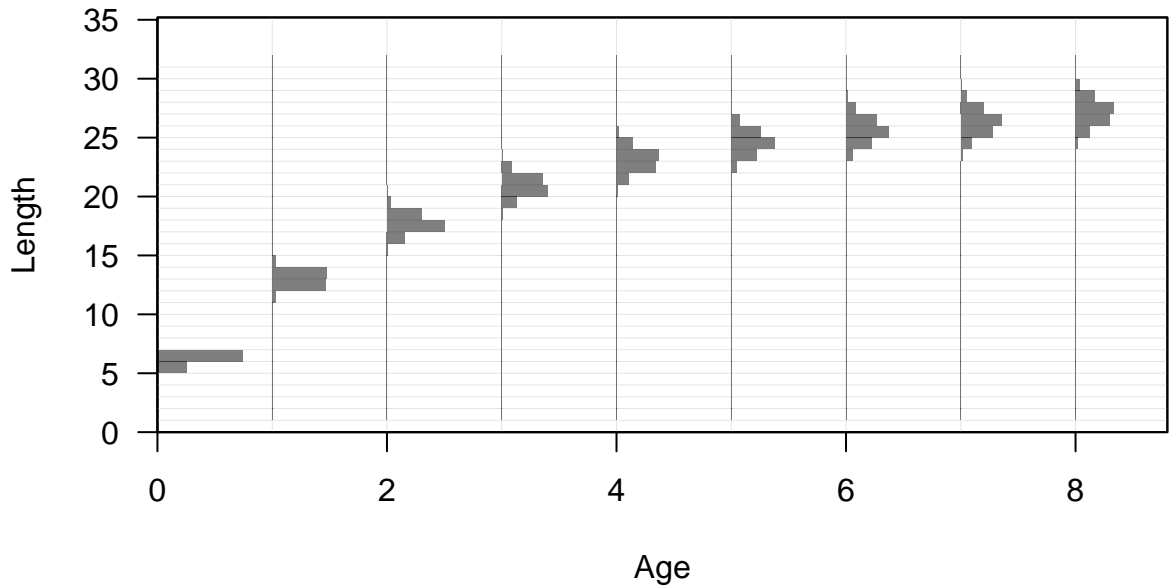


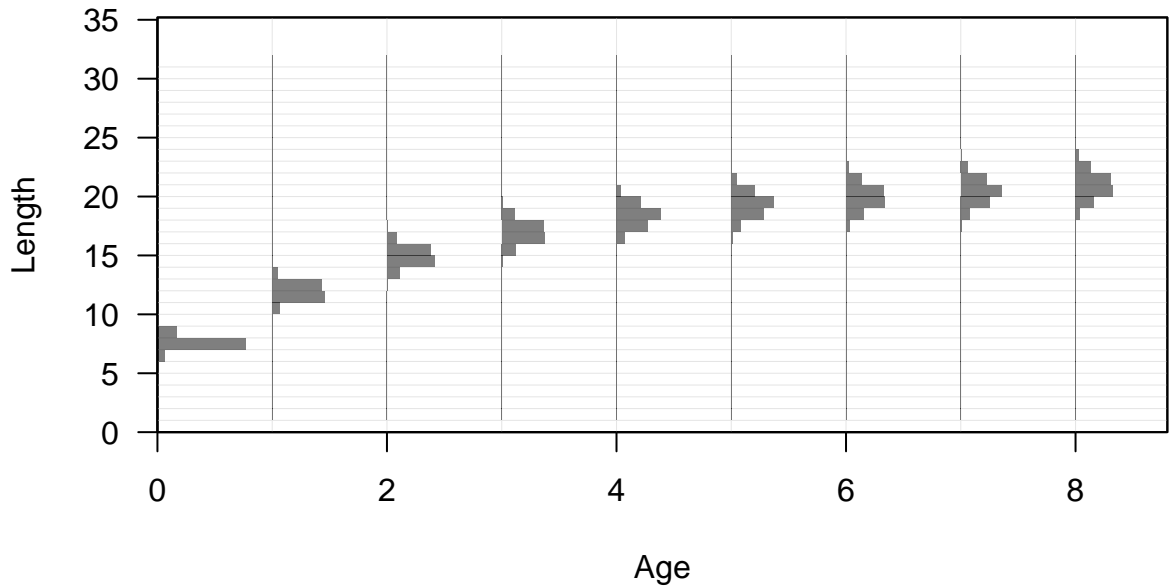


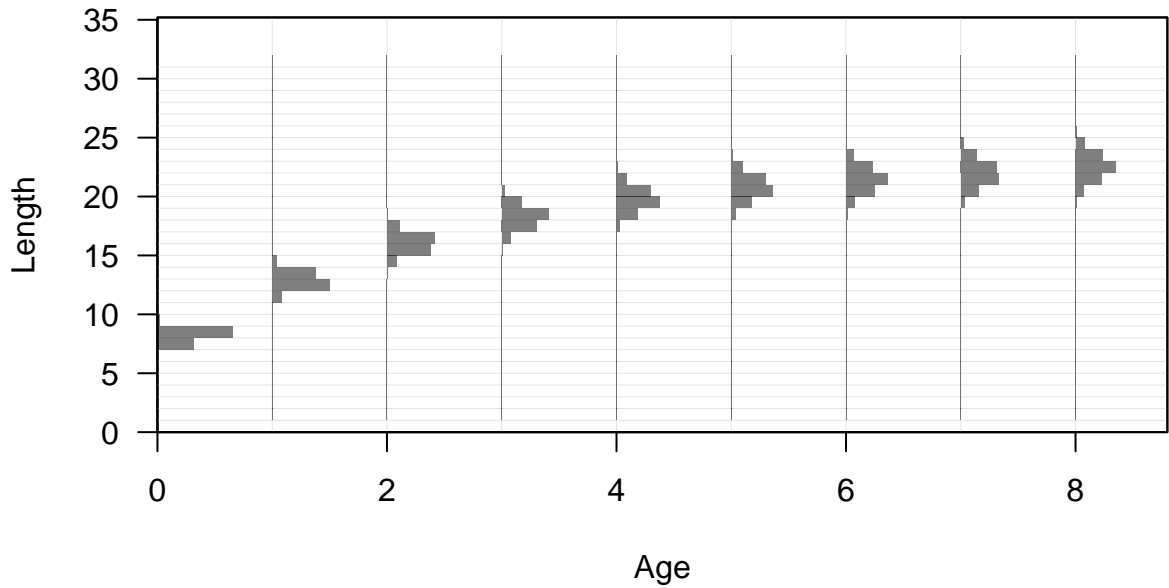


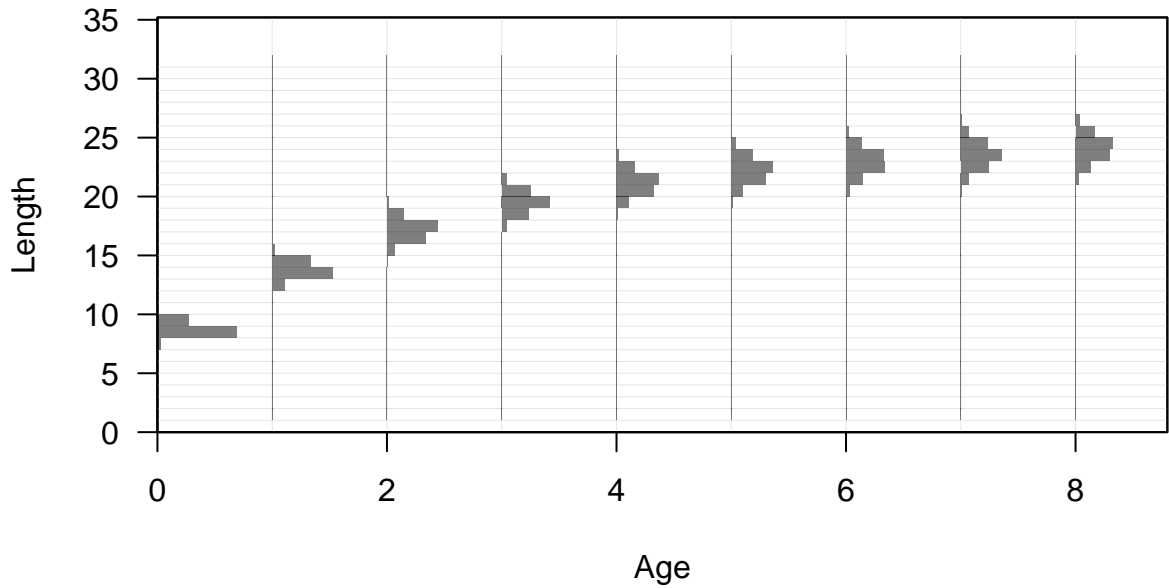


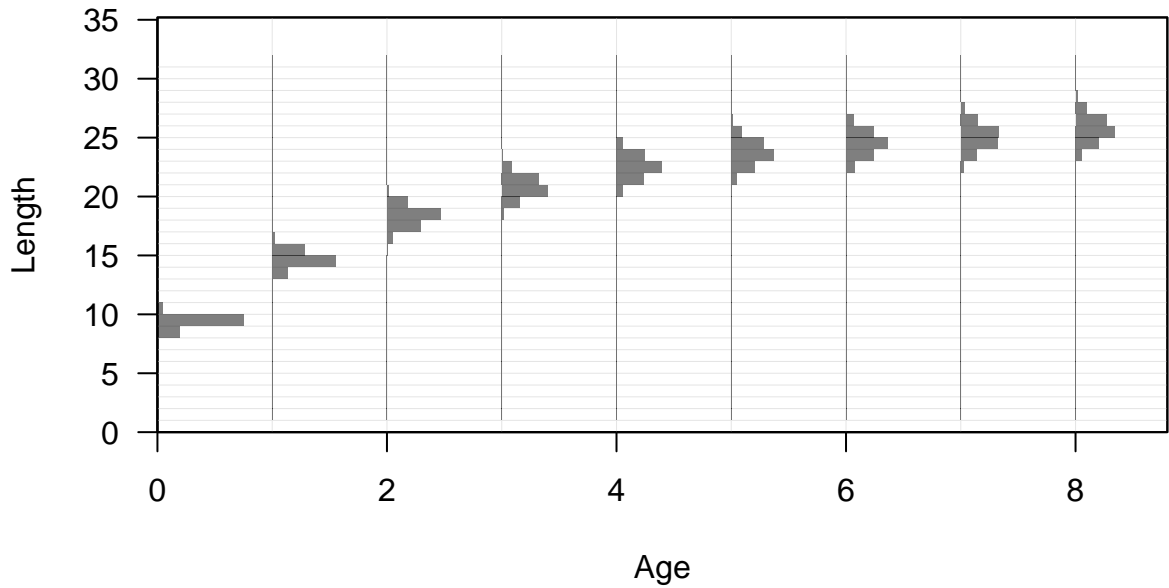


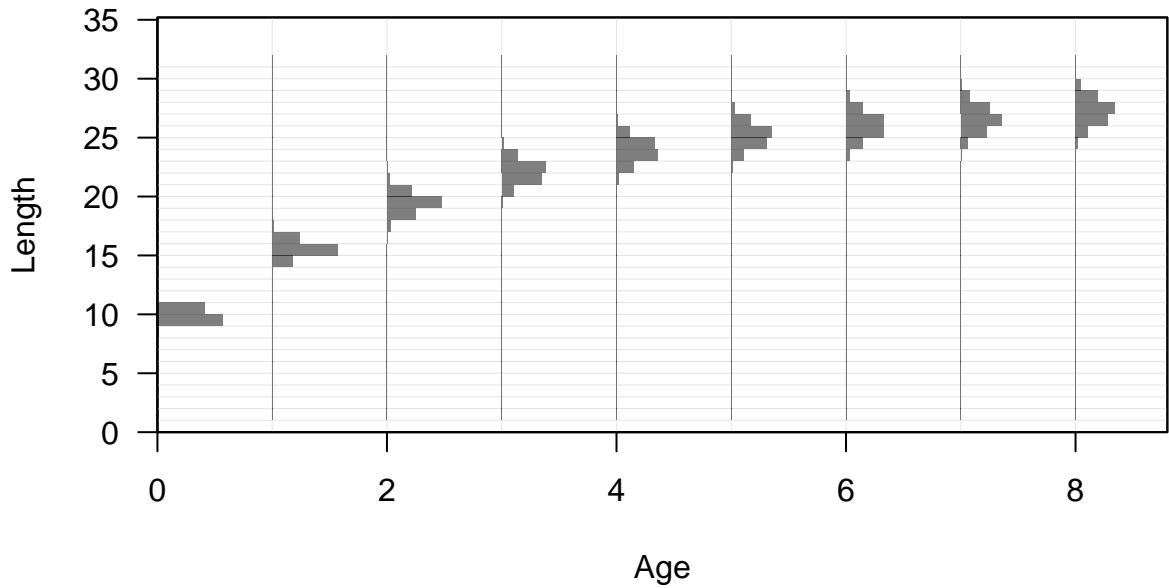


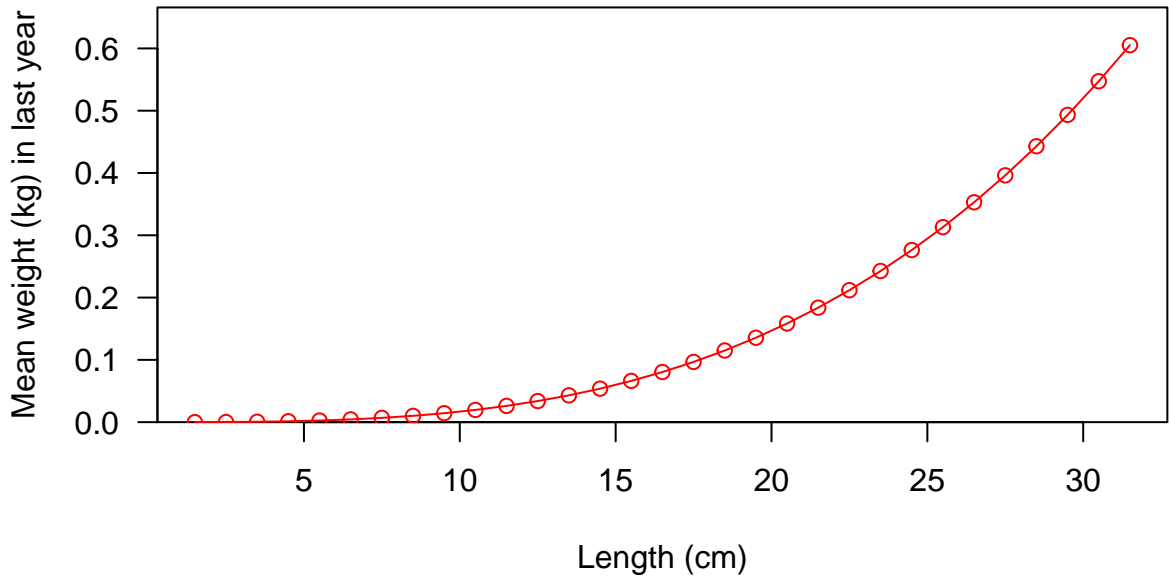


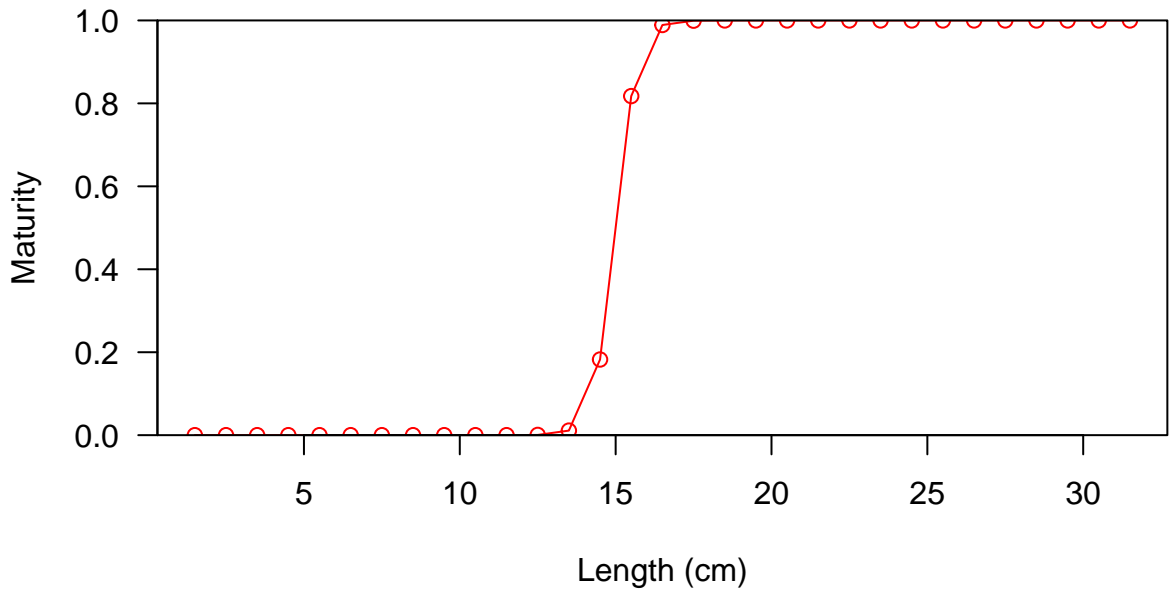




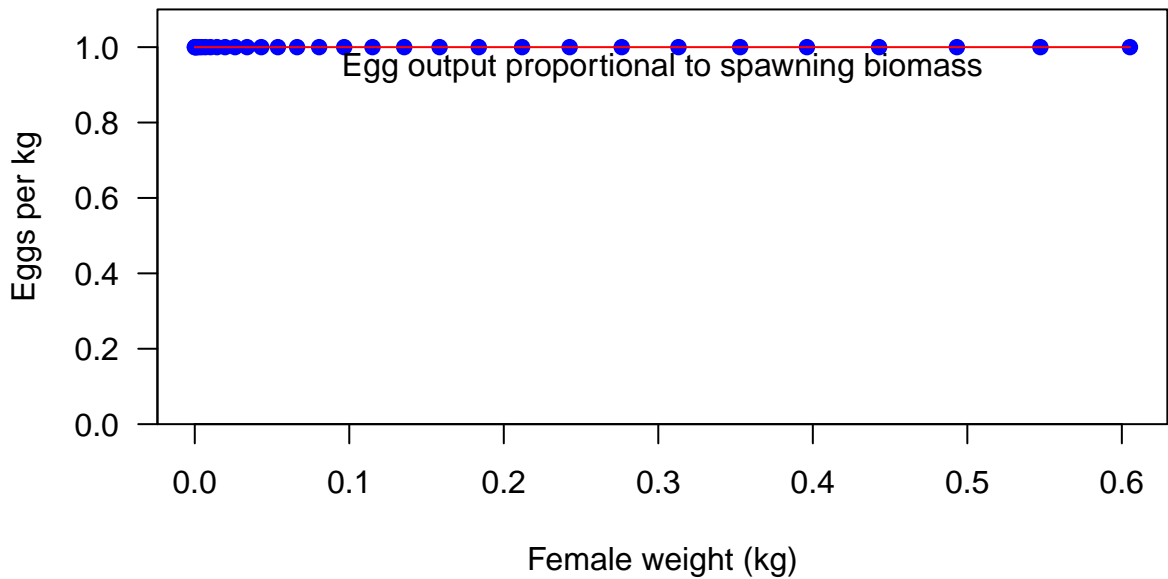


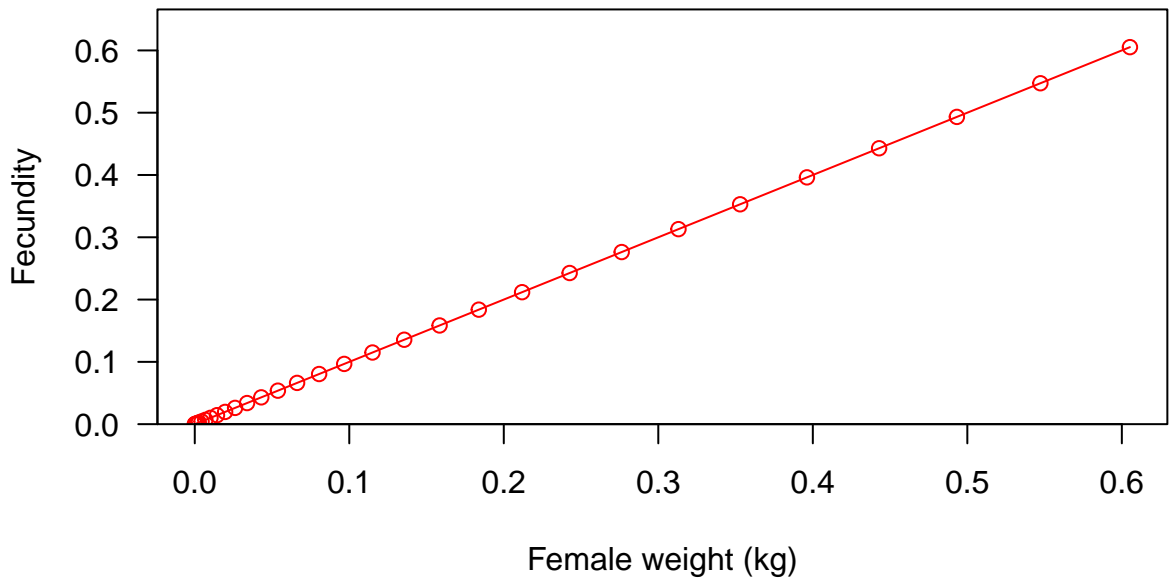


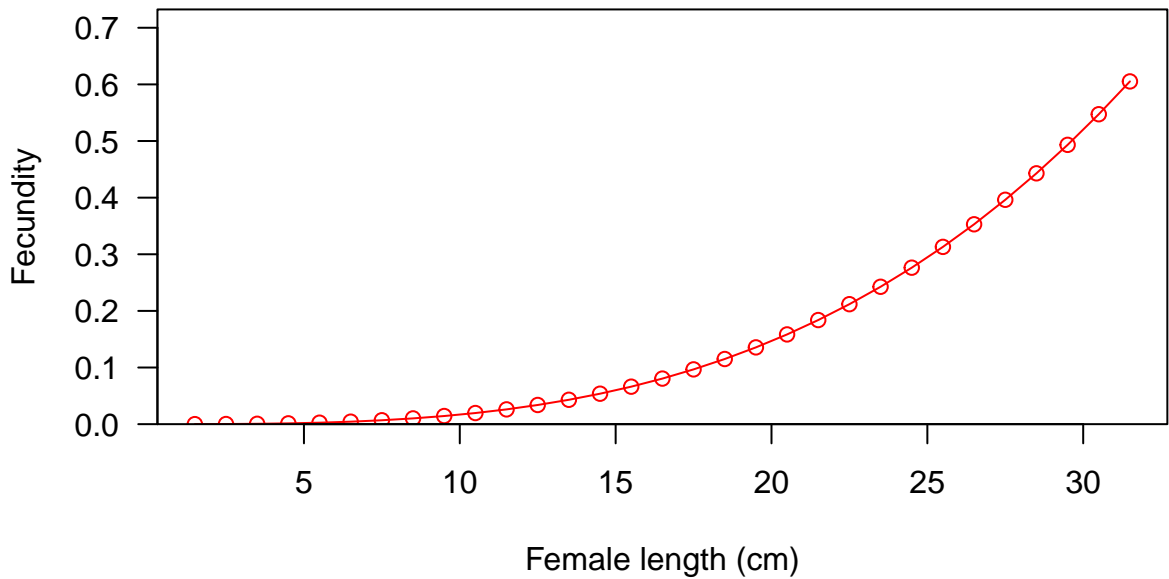




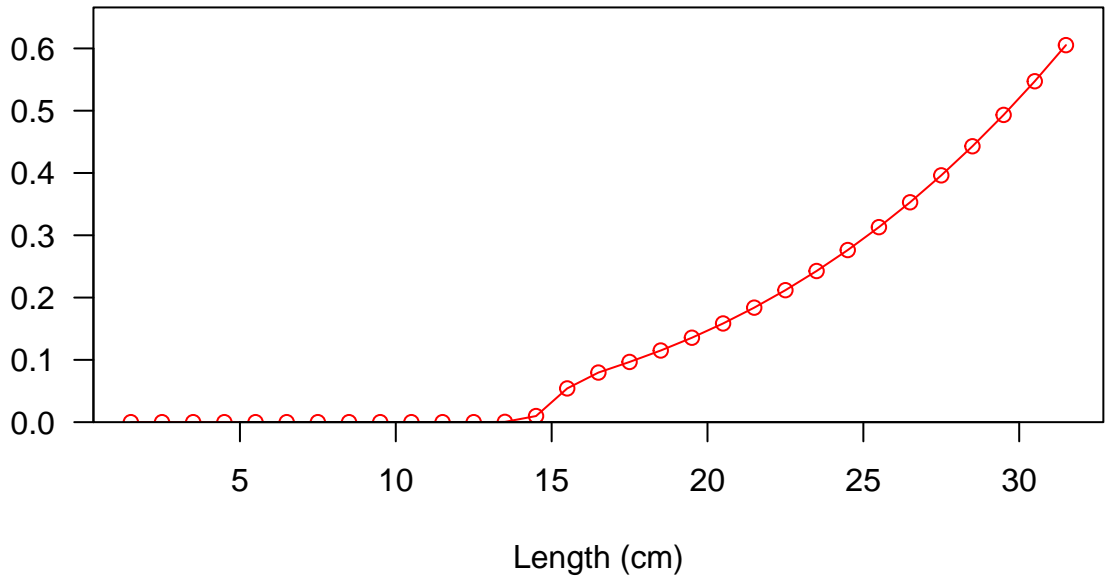




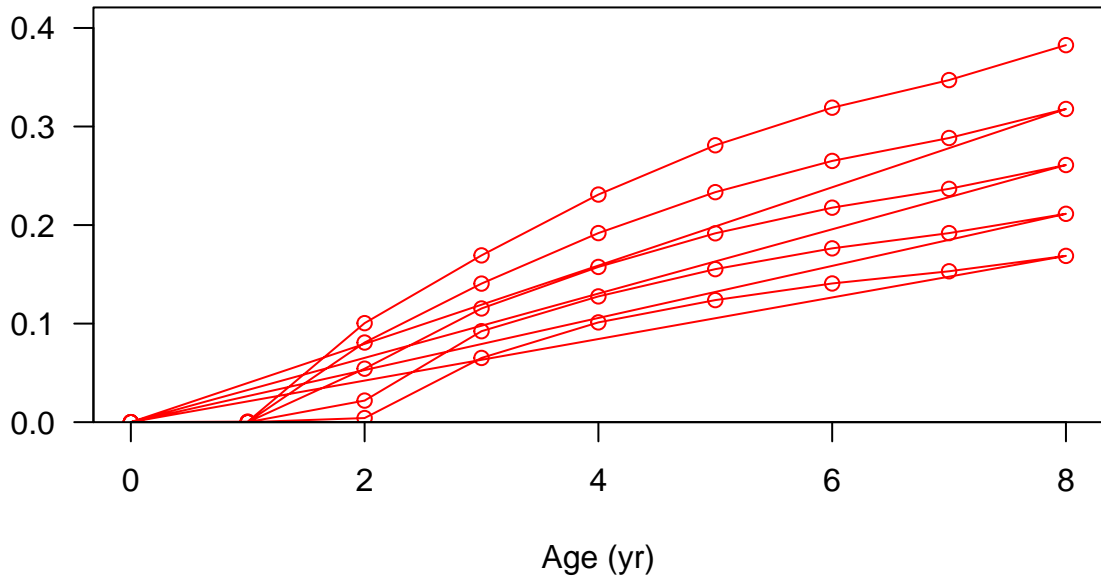




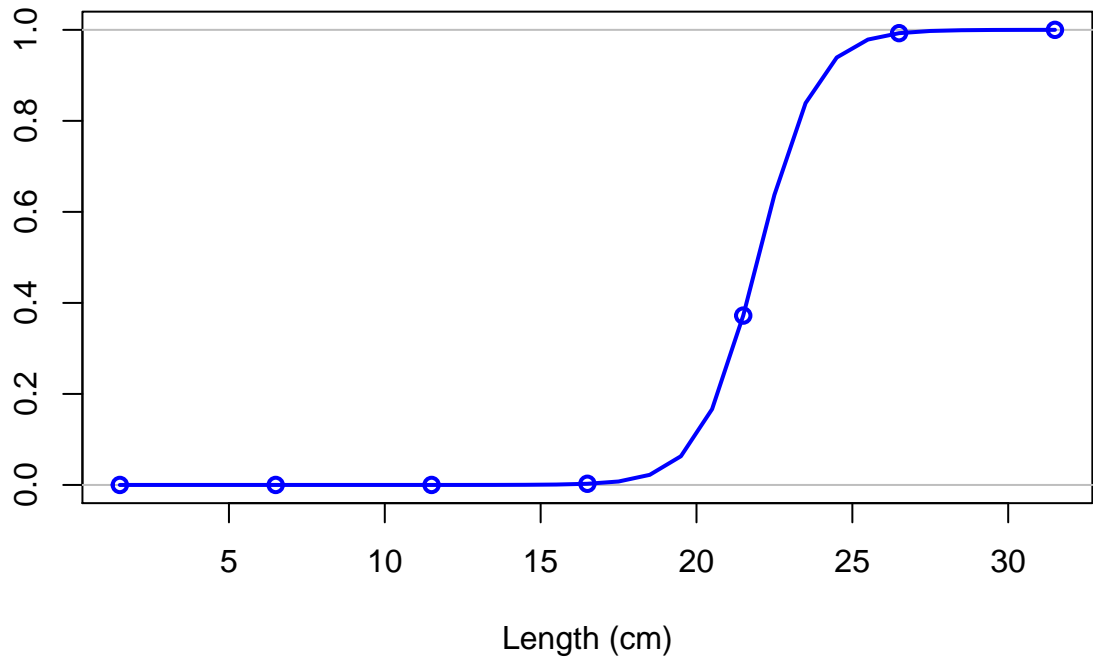
Spawning output



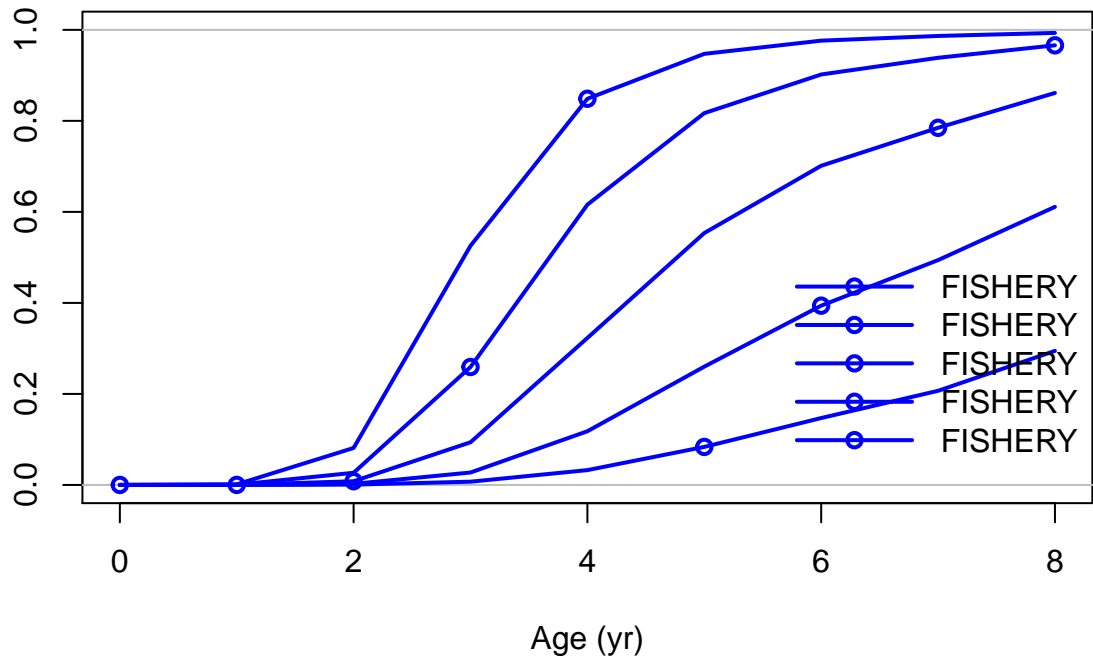
Spawning output



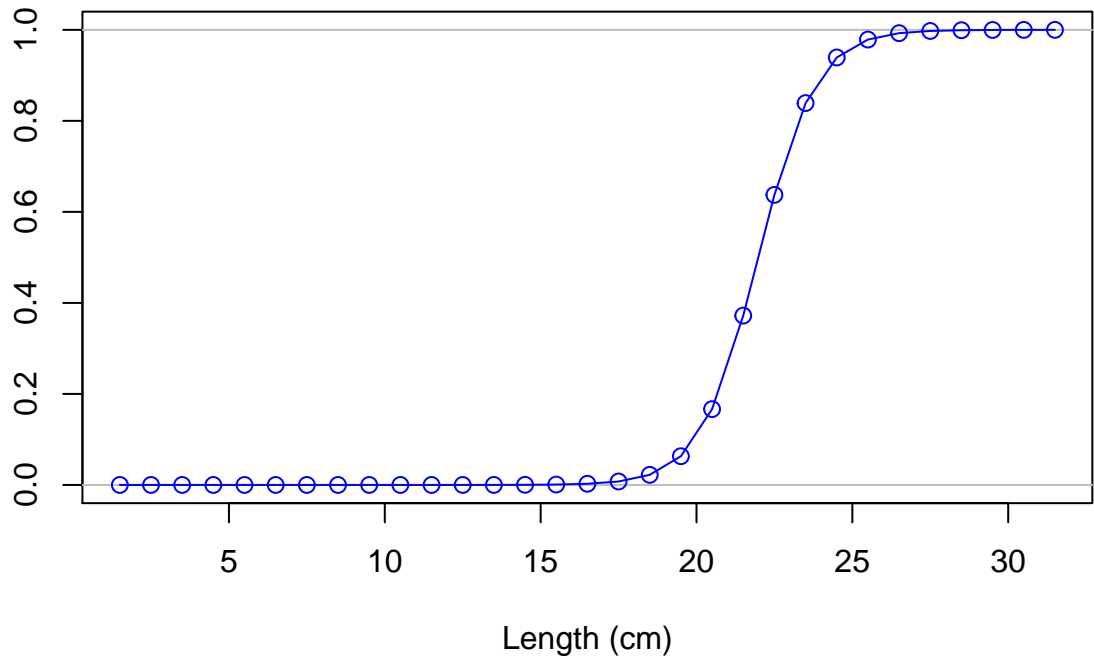
Selectivity



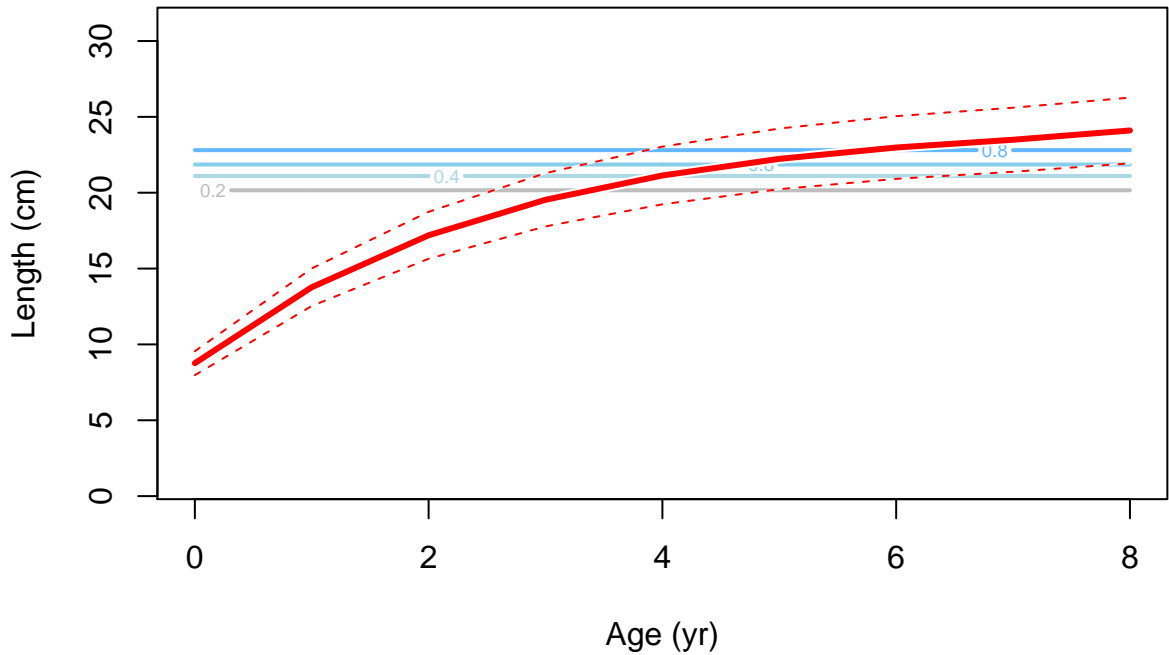
Selectivity

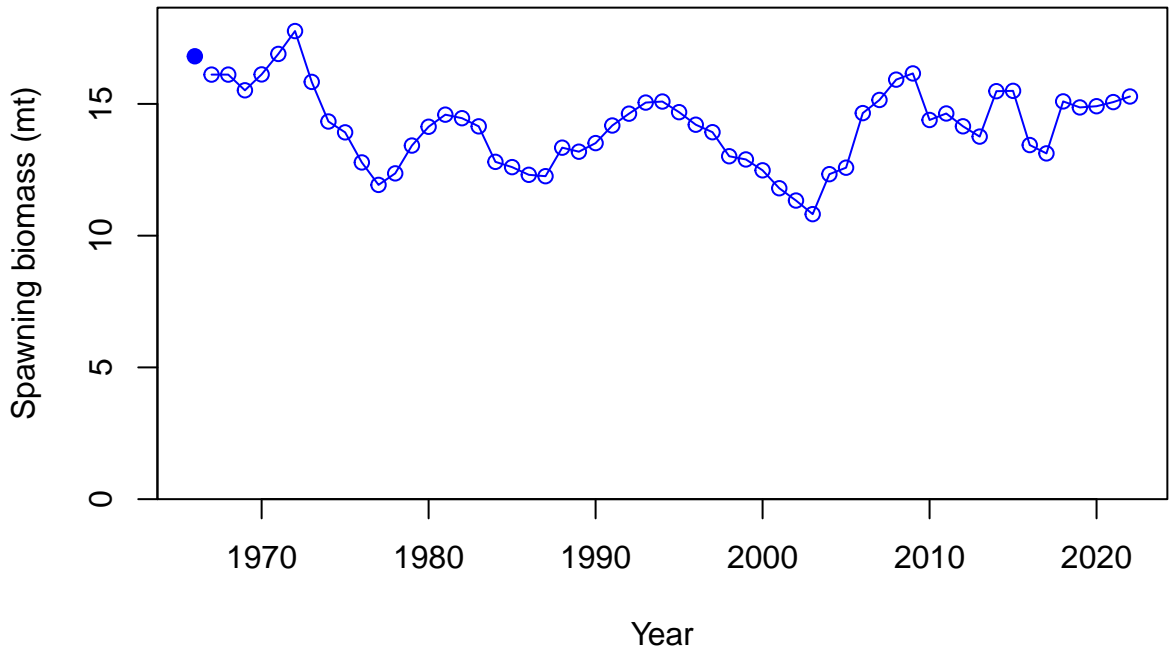


Selectivity

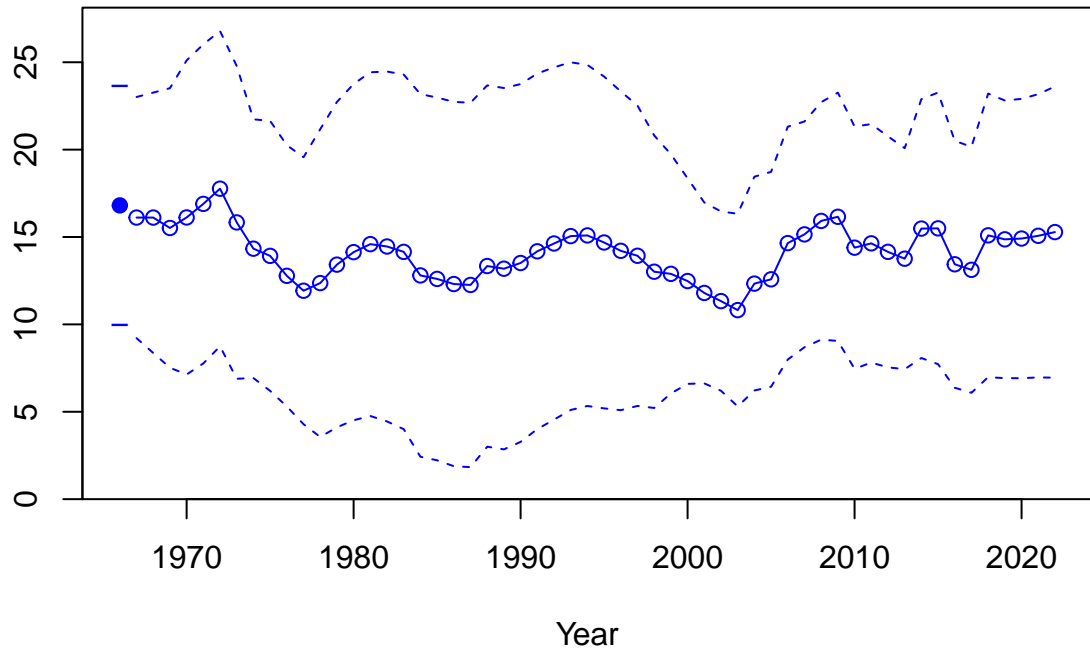




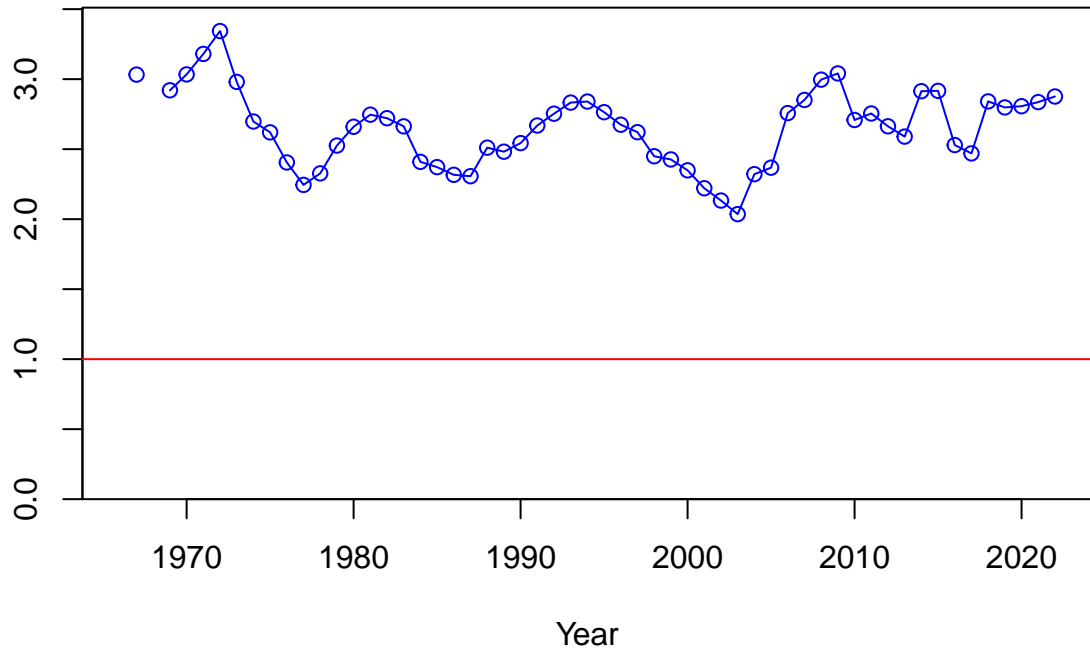




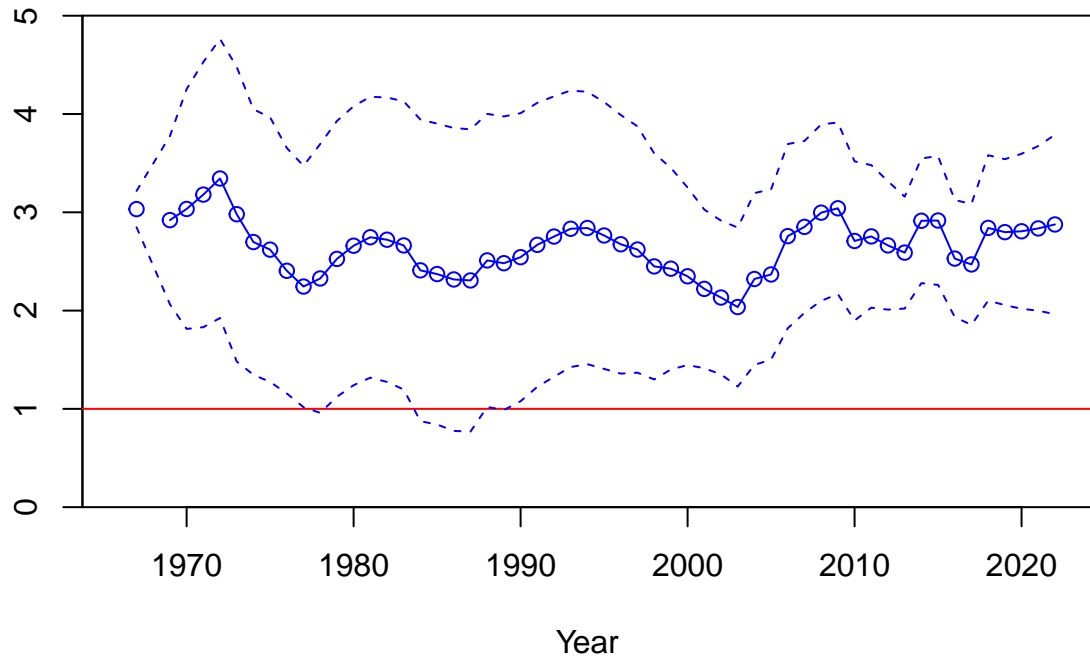
Spawning biomass (mt)

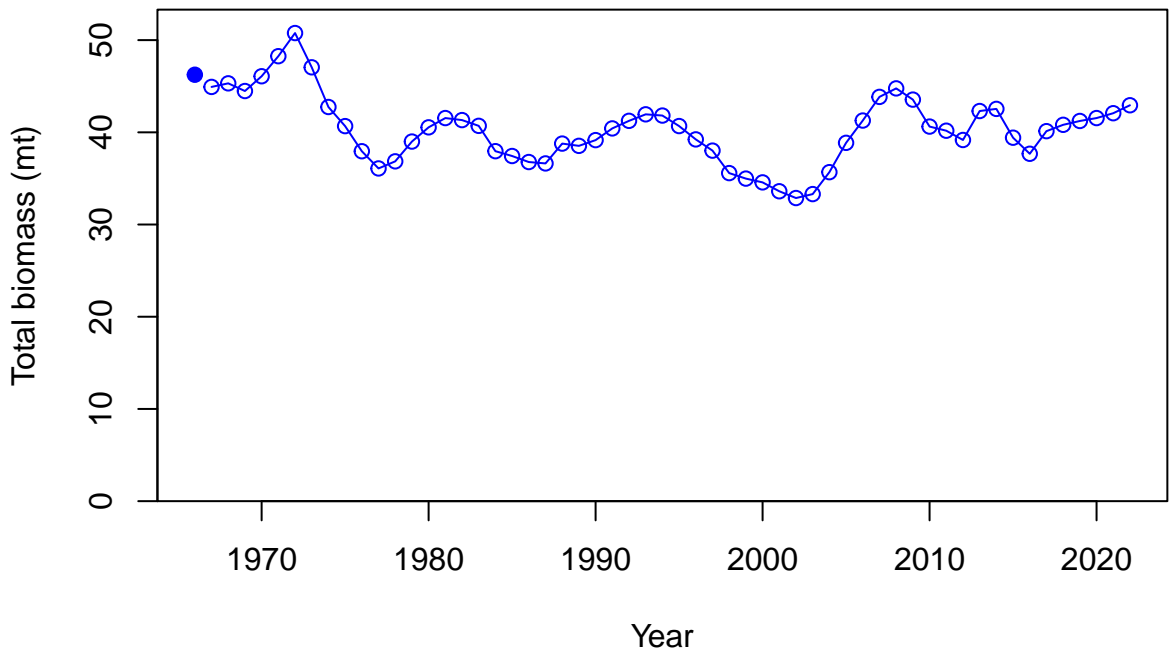


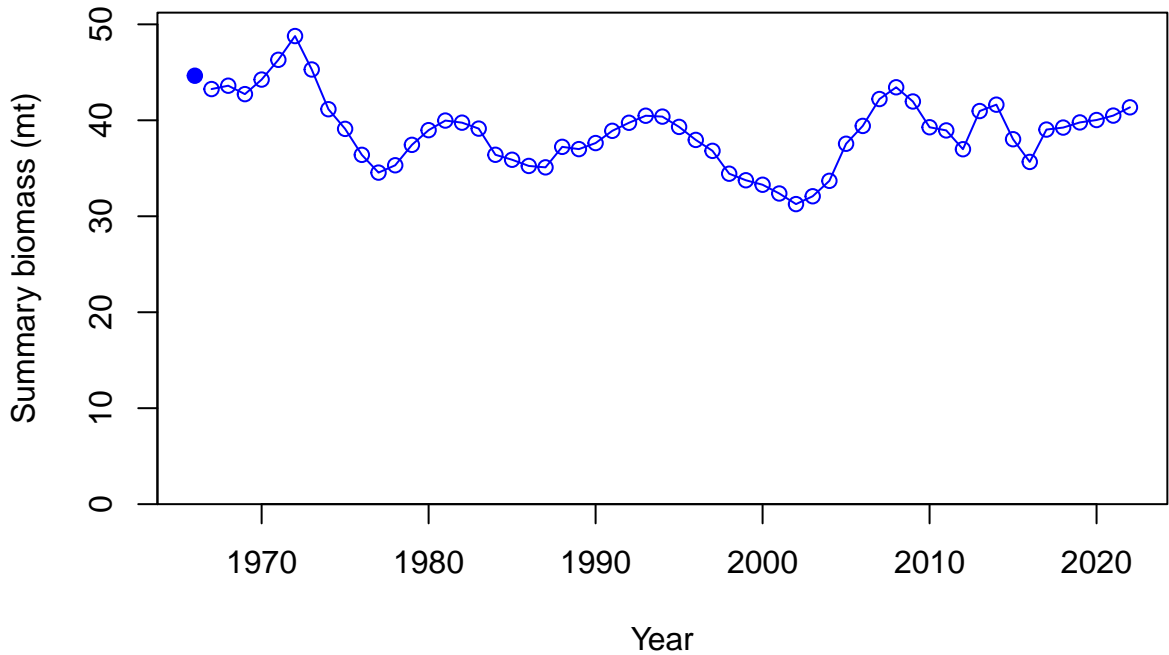
Relative spawning biomass:  $B/B_{MSY}$

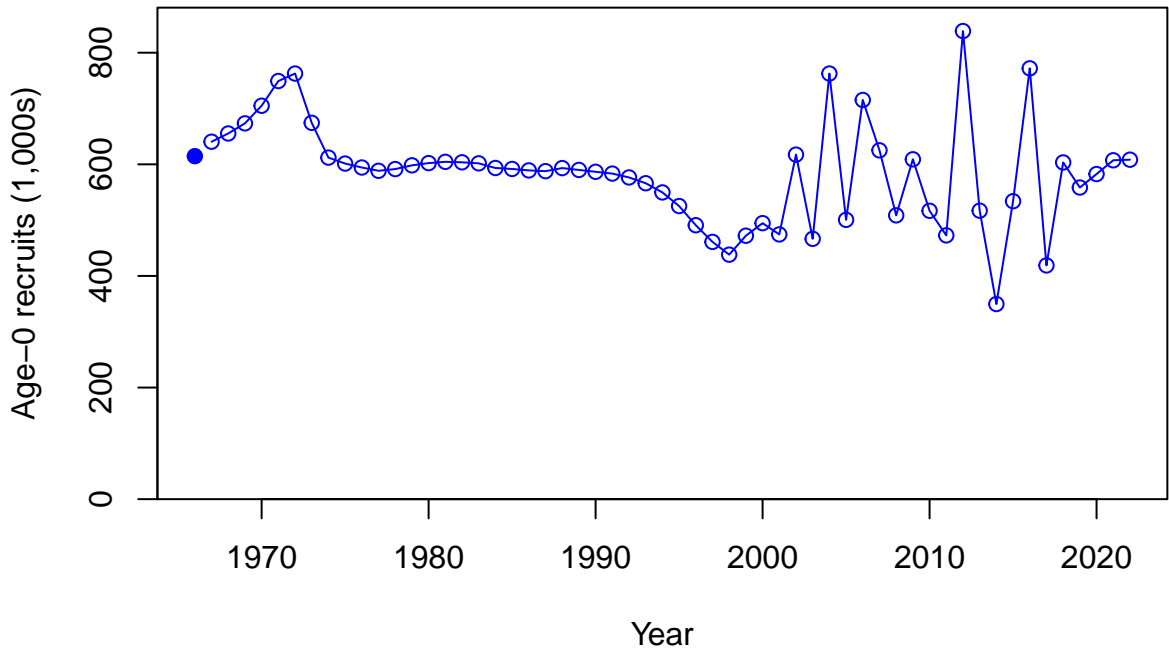


Relative spawning biomass:  $B/B_{MSY}$

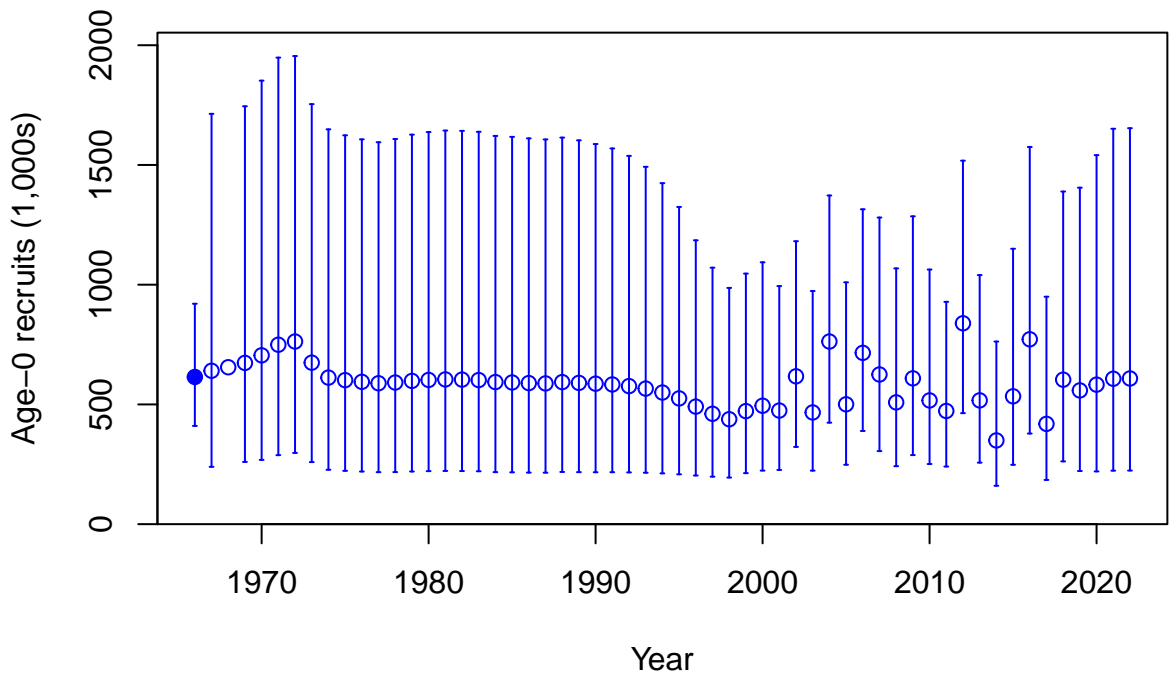




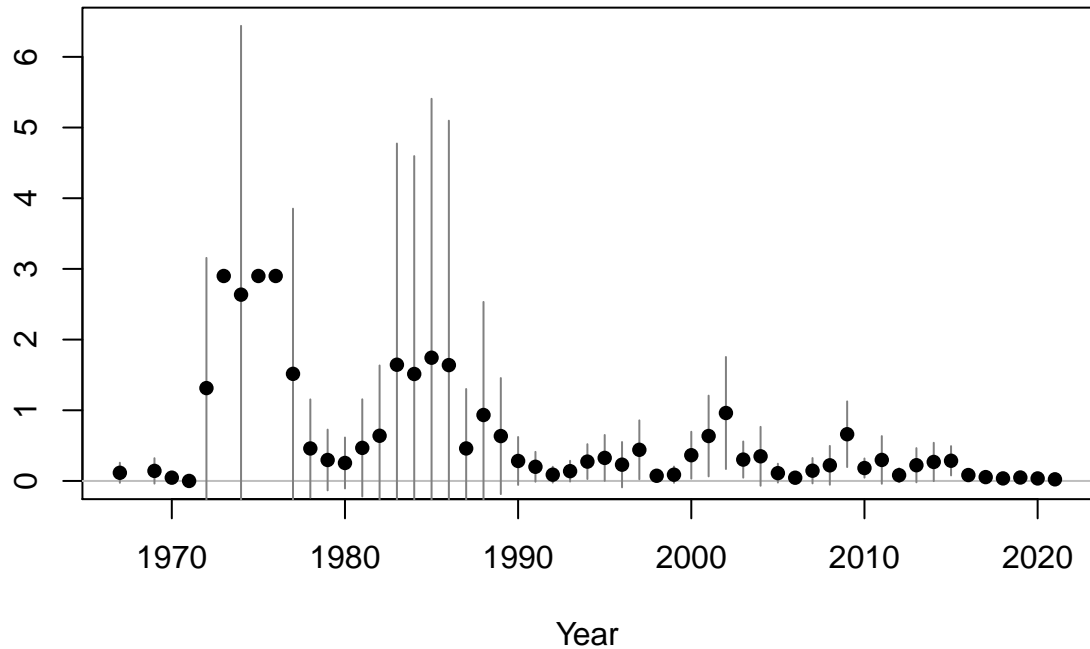


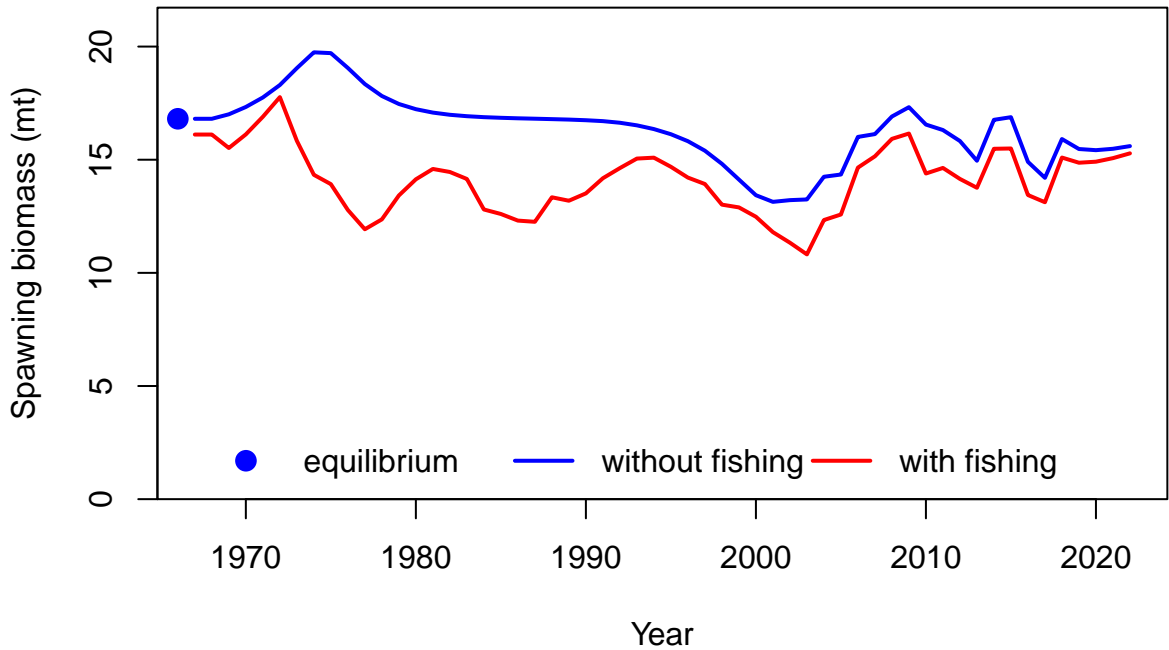




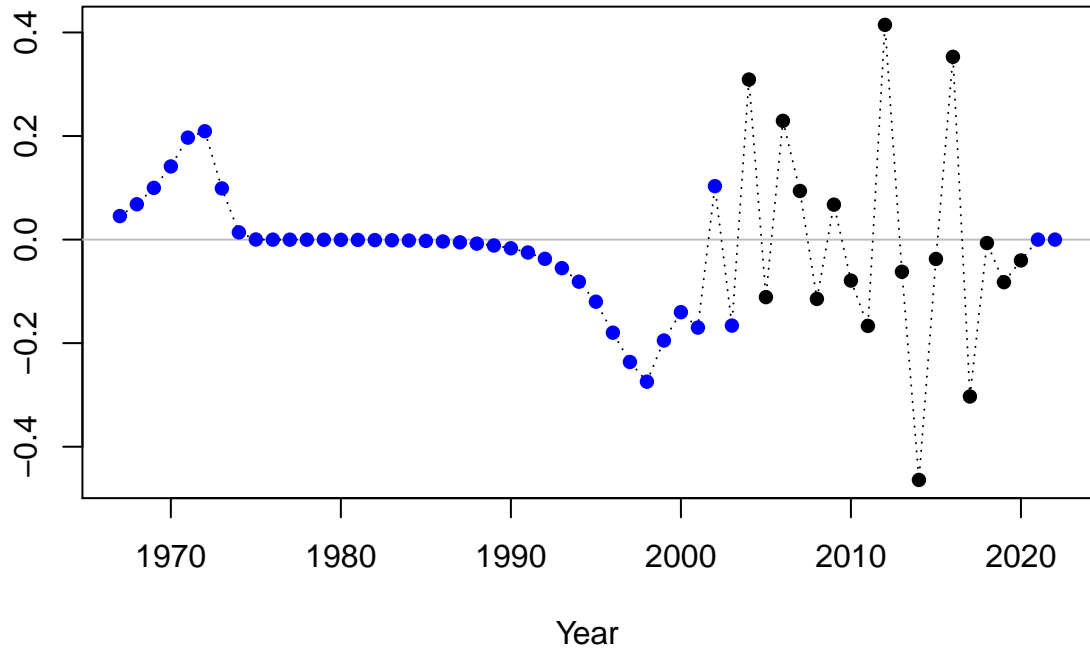


Summary Fishing Mortality

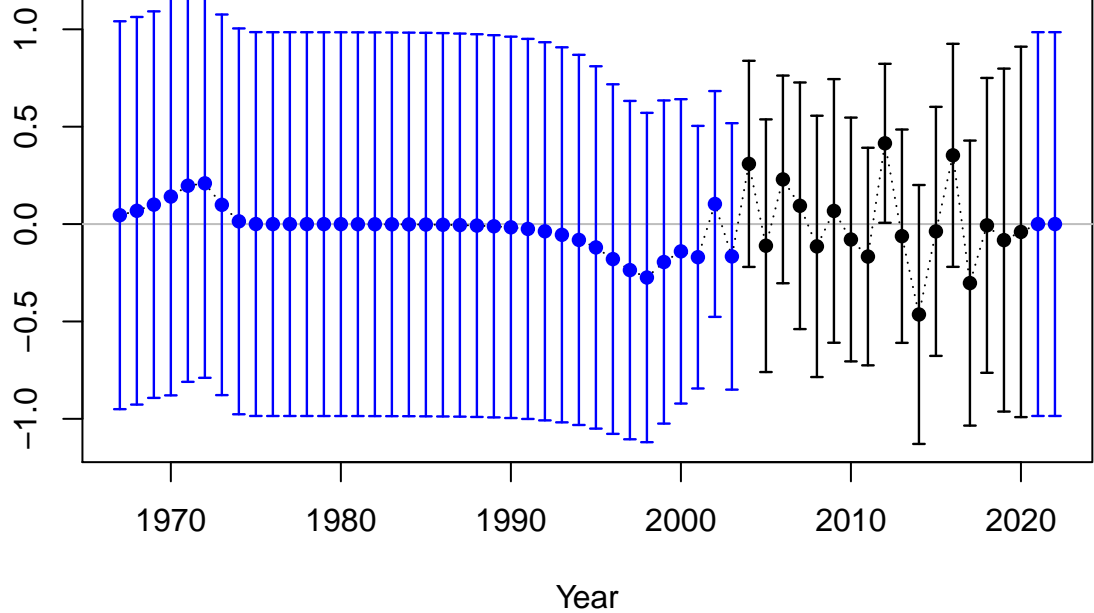




Log recruitment deviation

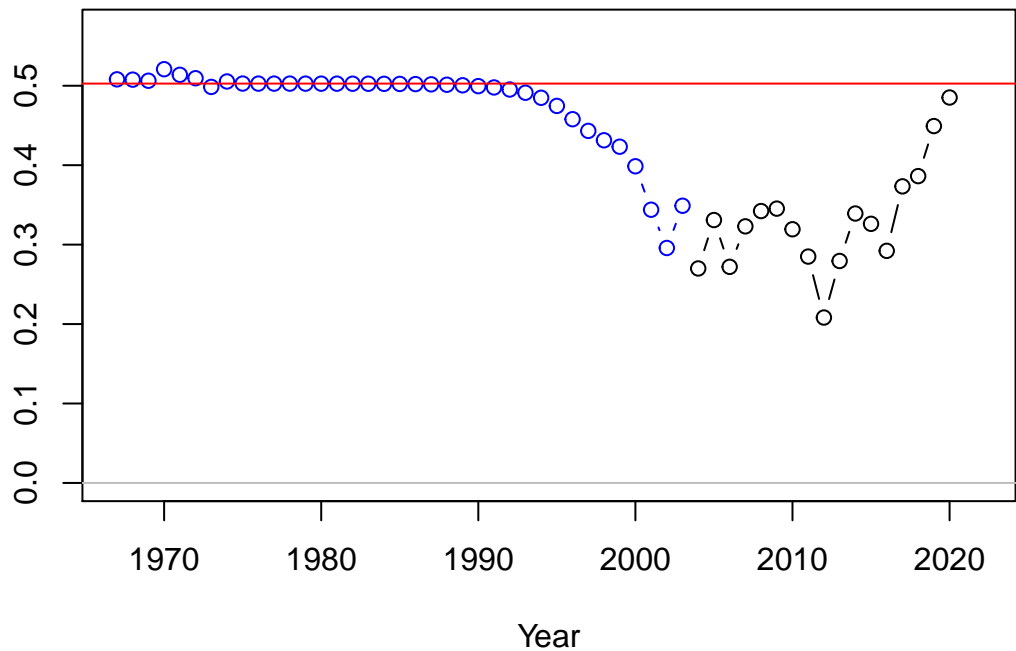


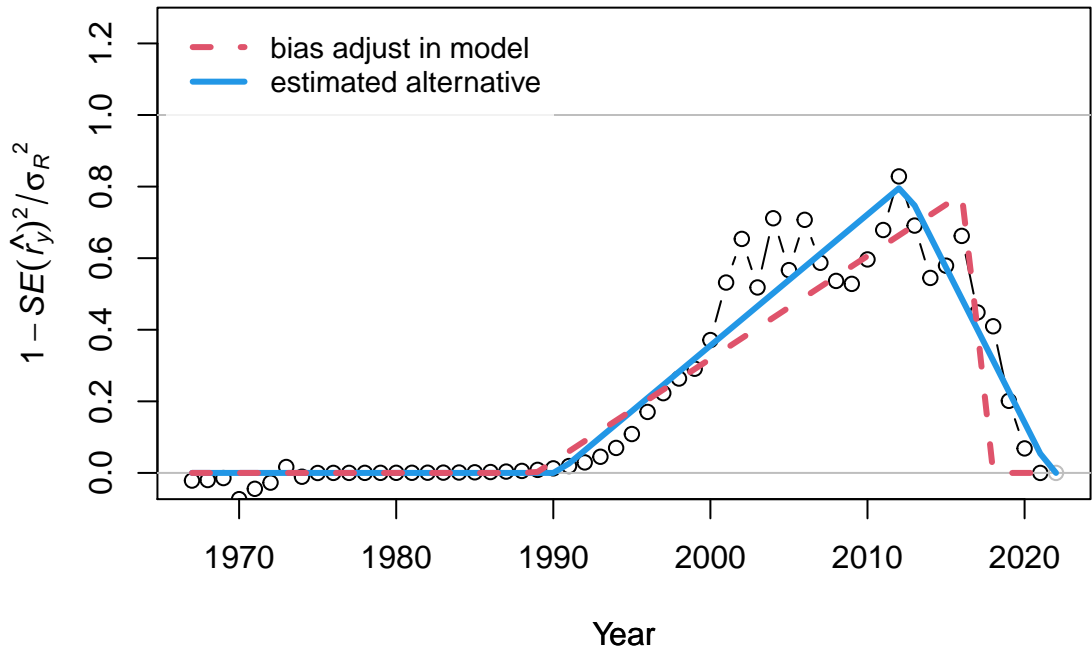
Log recruitment deviation

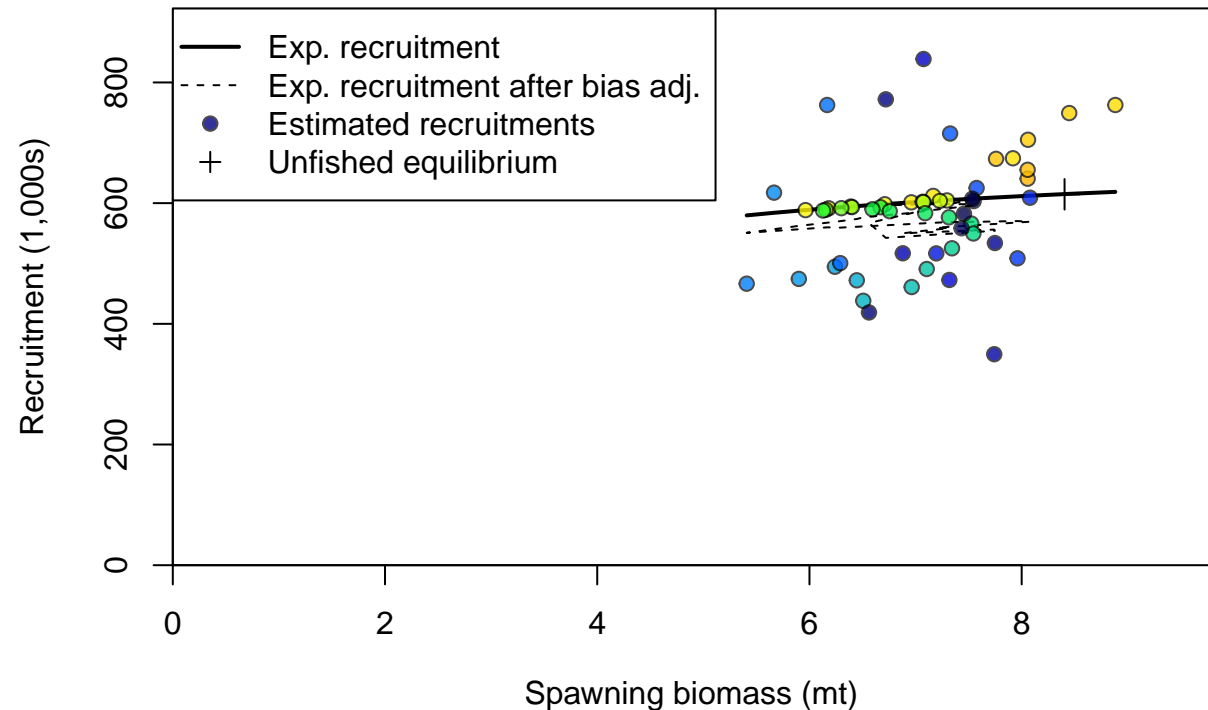


## Recruitment deviation variance

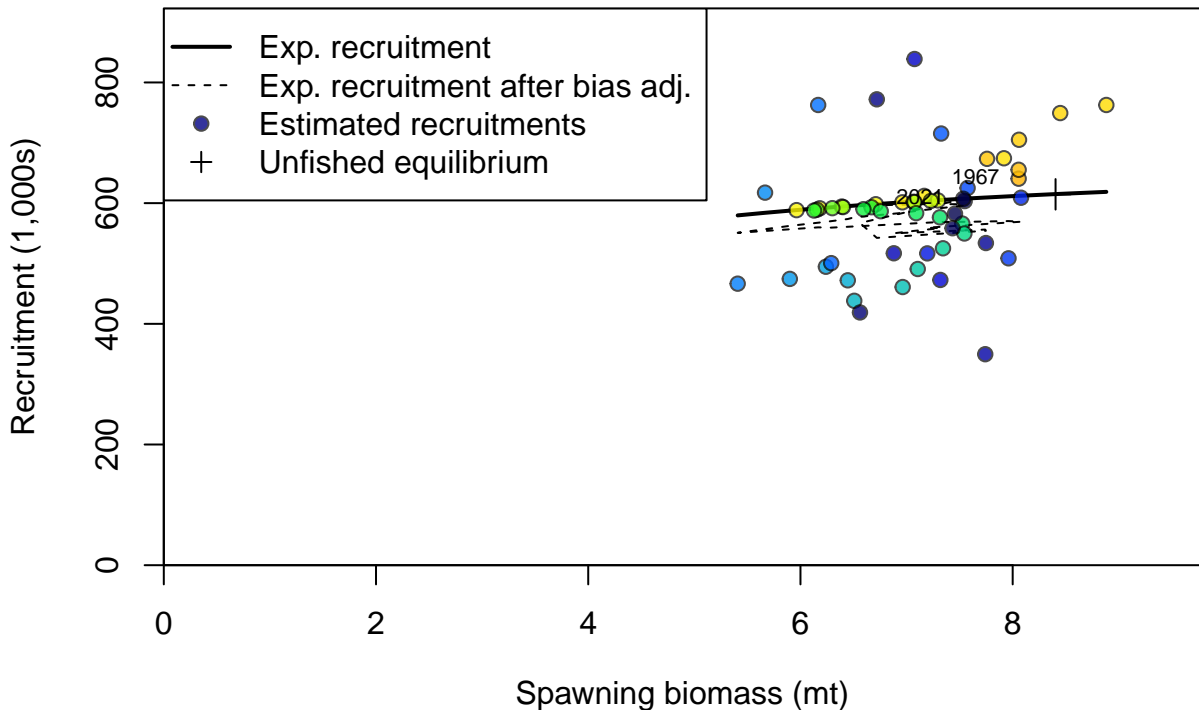
Asymptotic standard error estimate

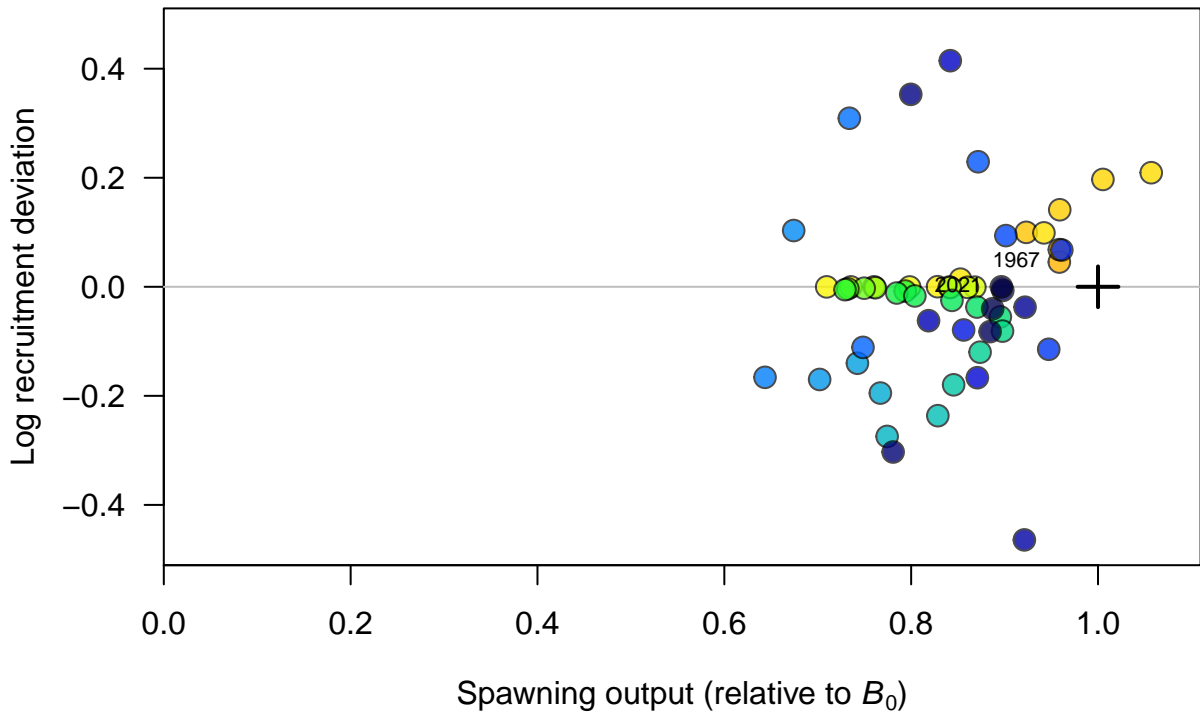


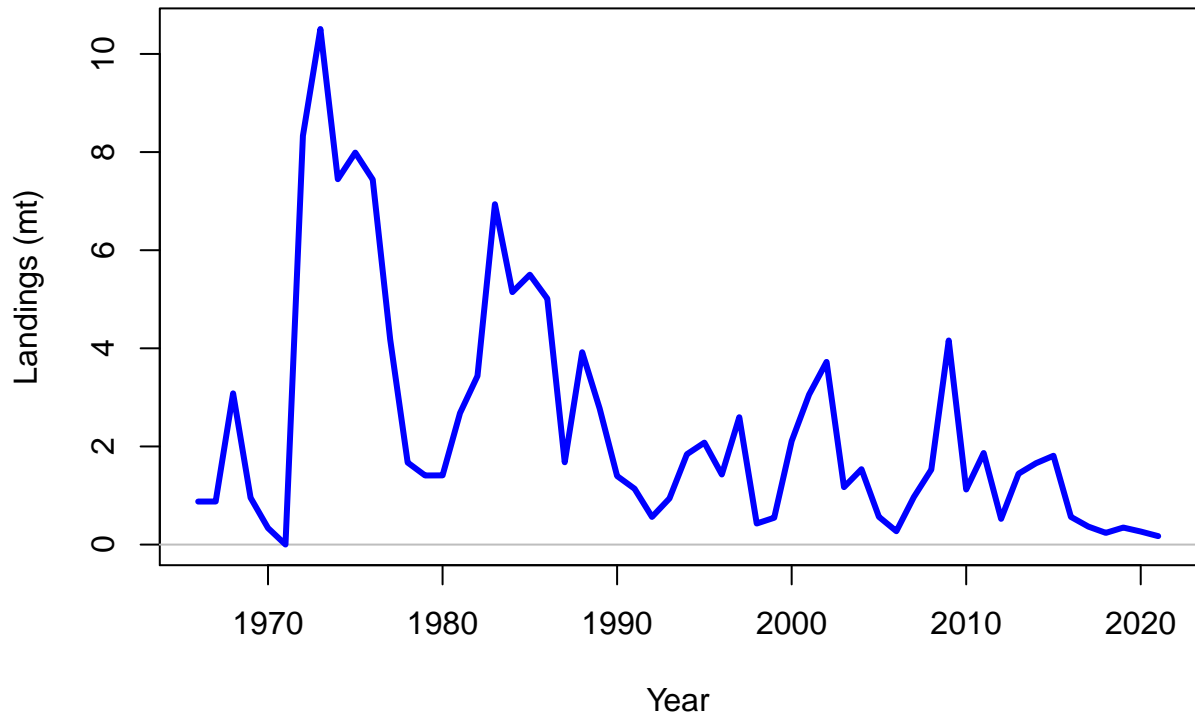


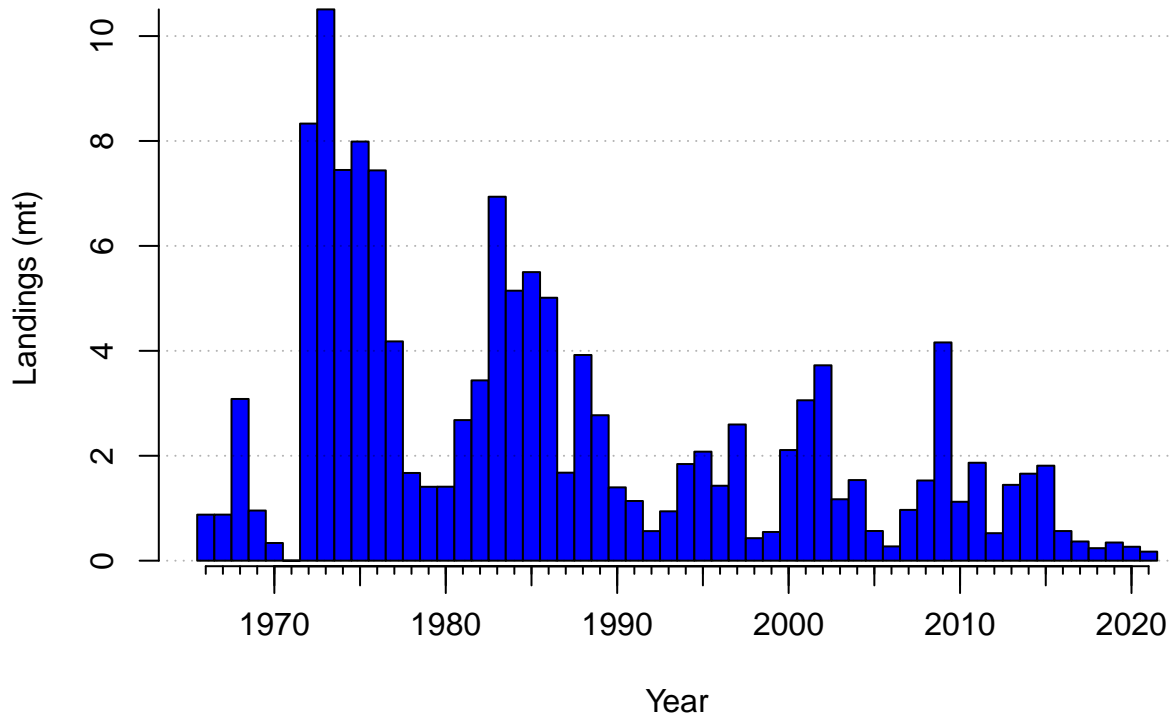


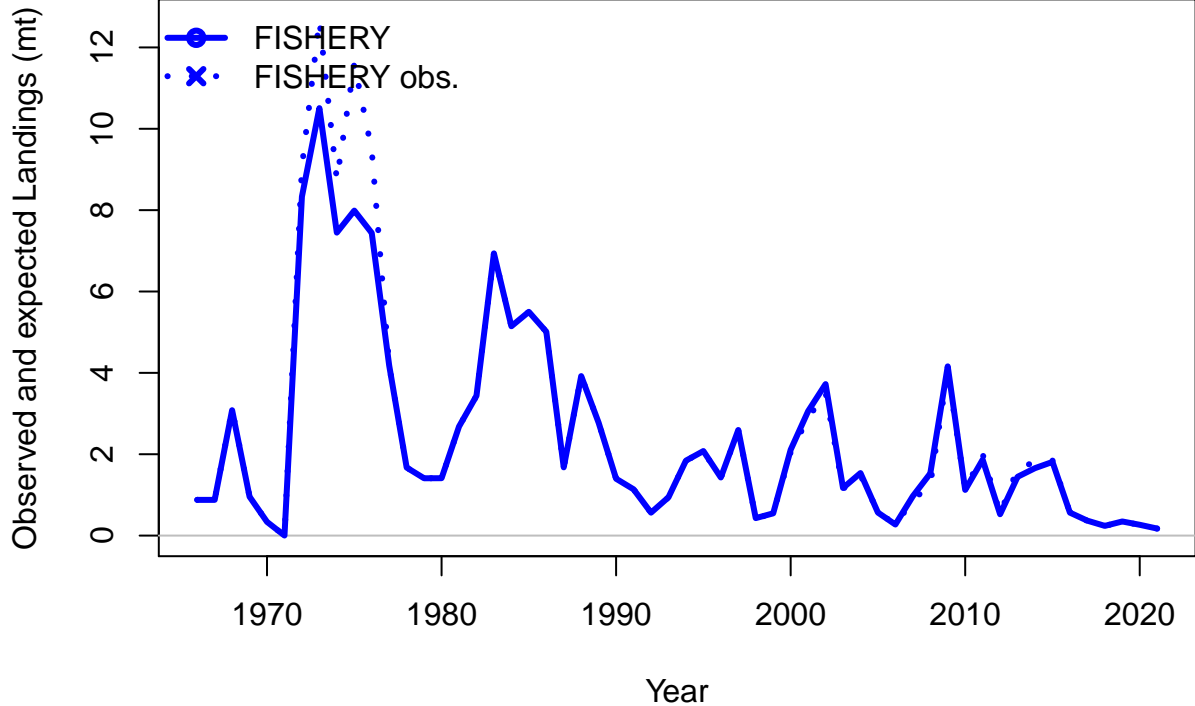


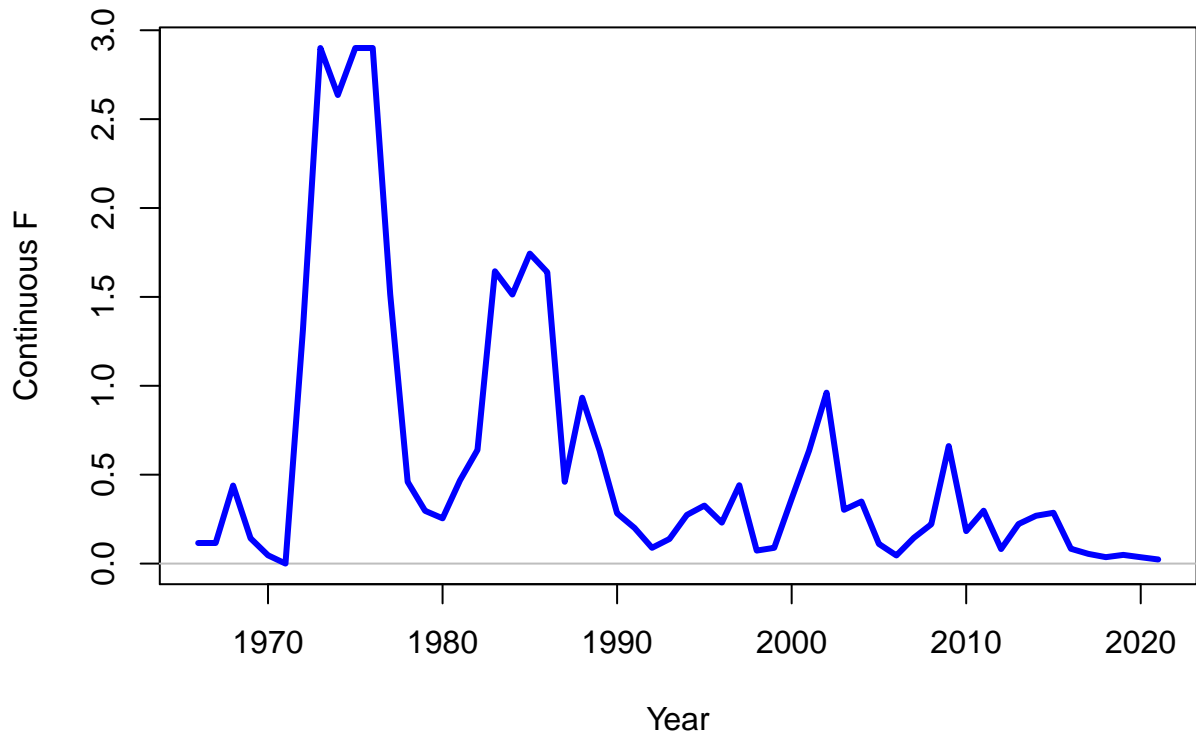




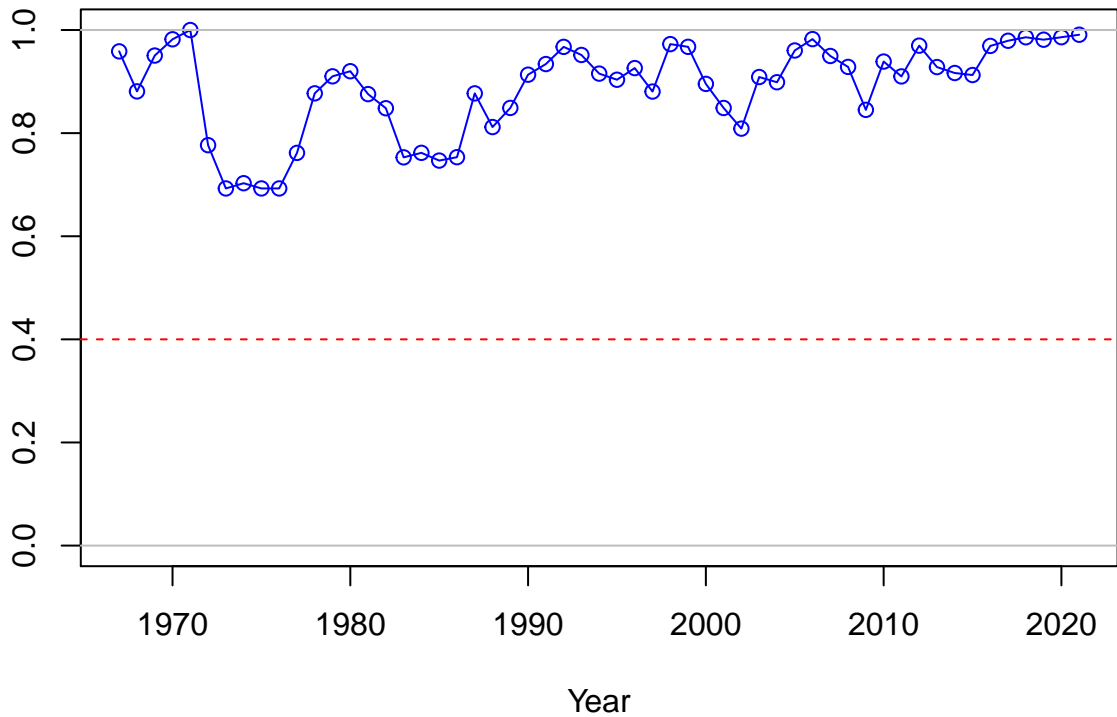


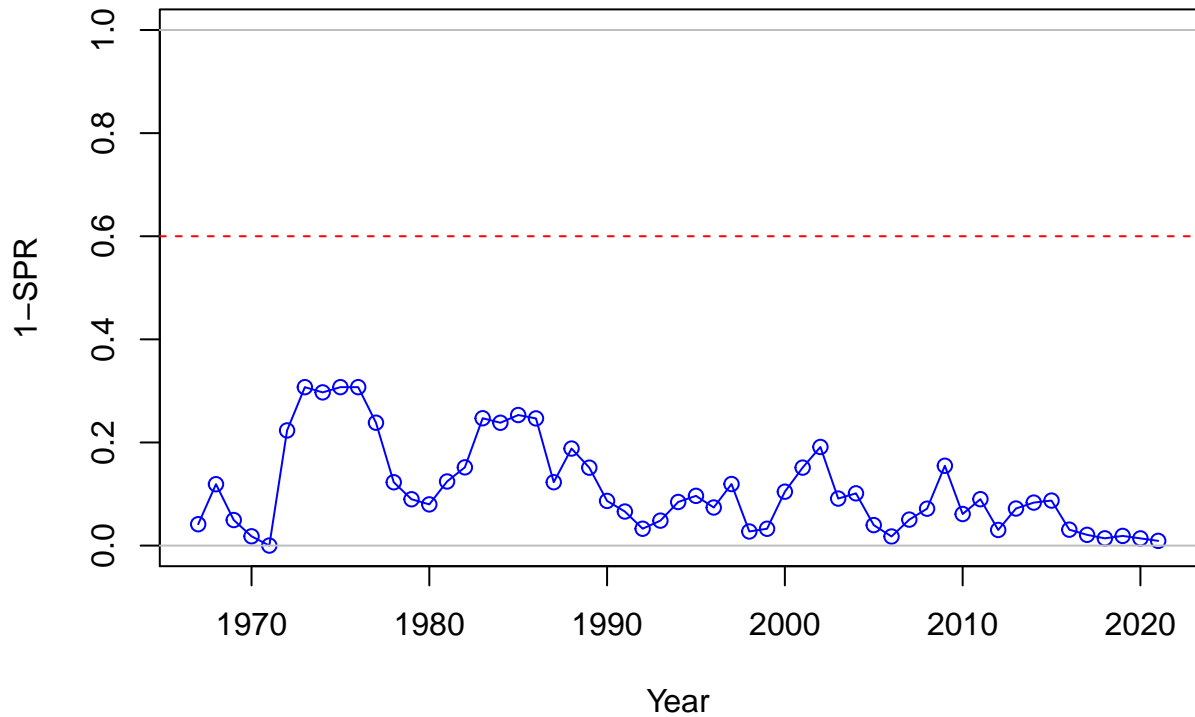






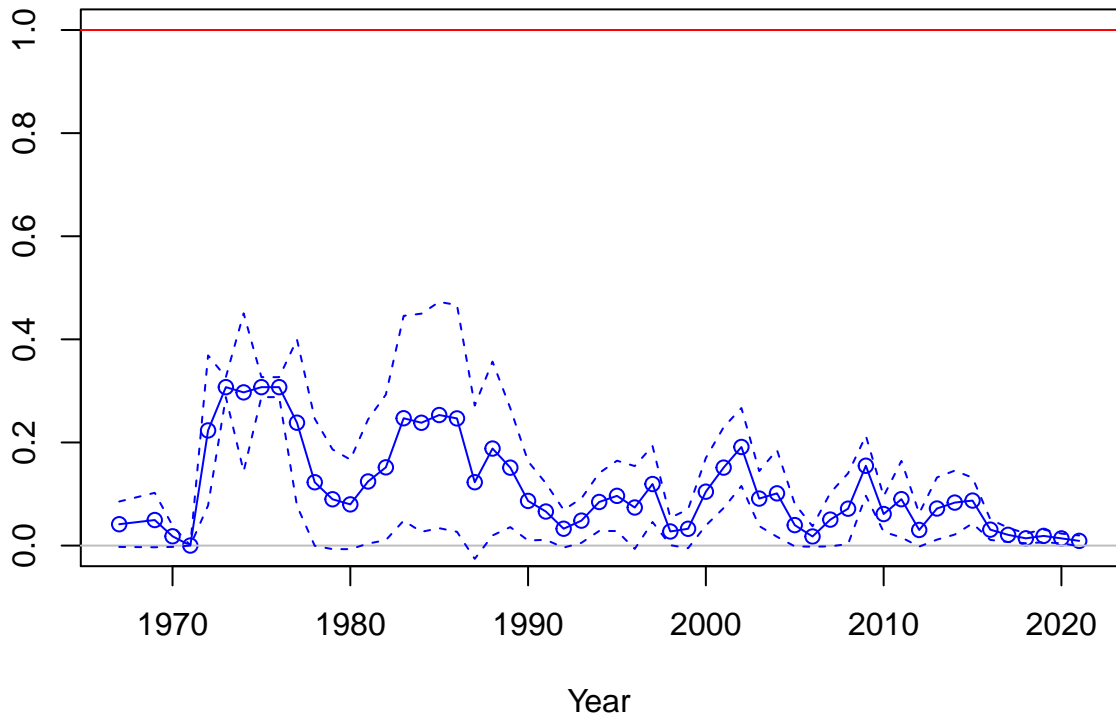
SPR



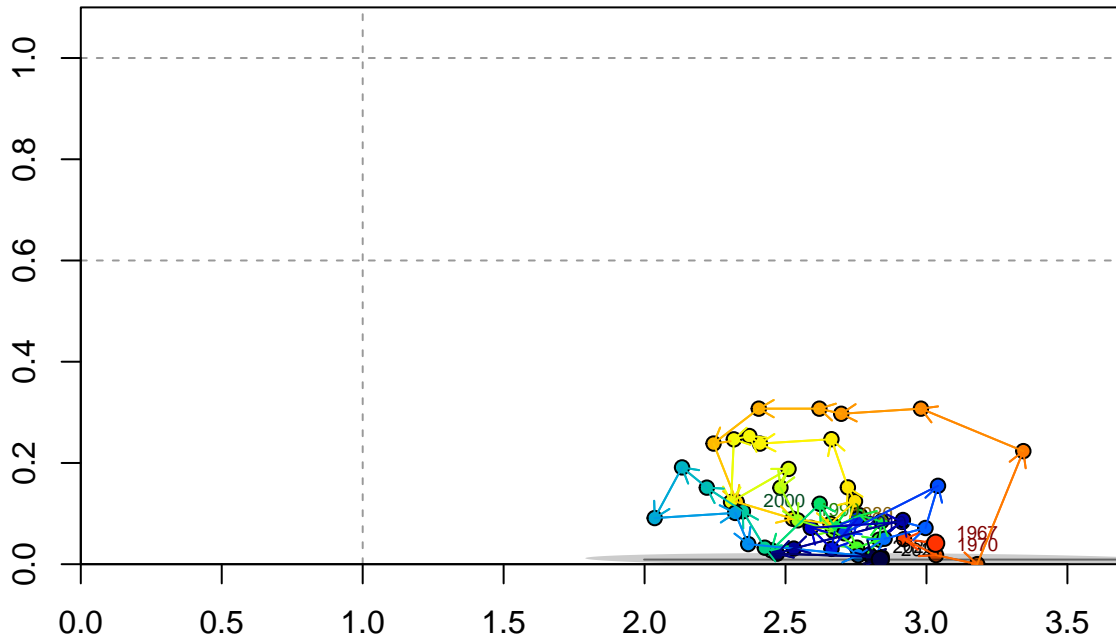




Fishing intensity: 1-SPR

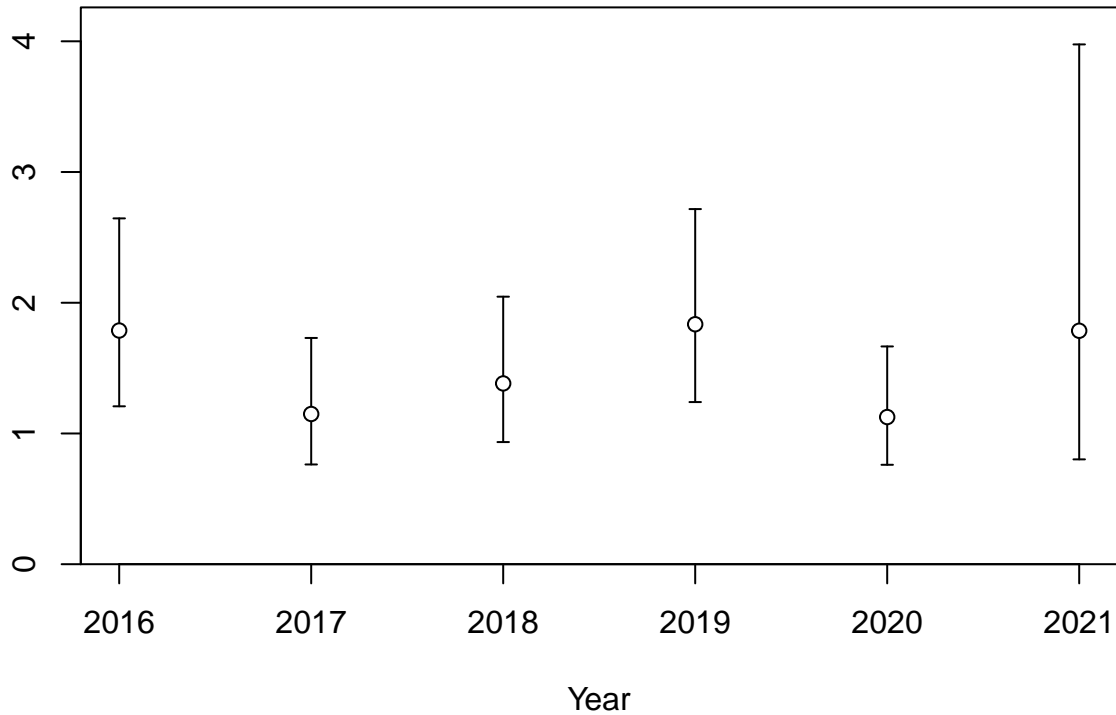


Fishing intensity: 1-SPR

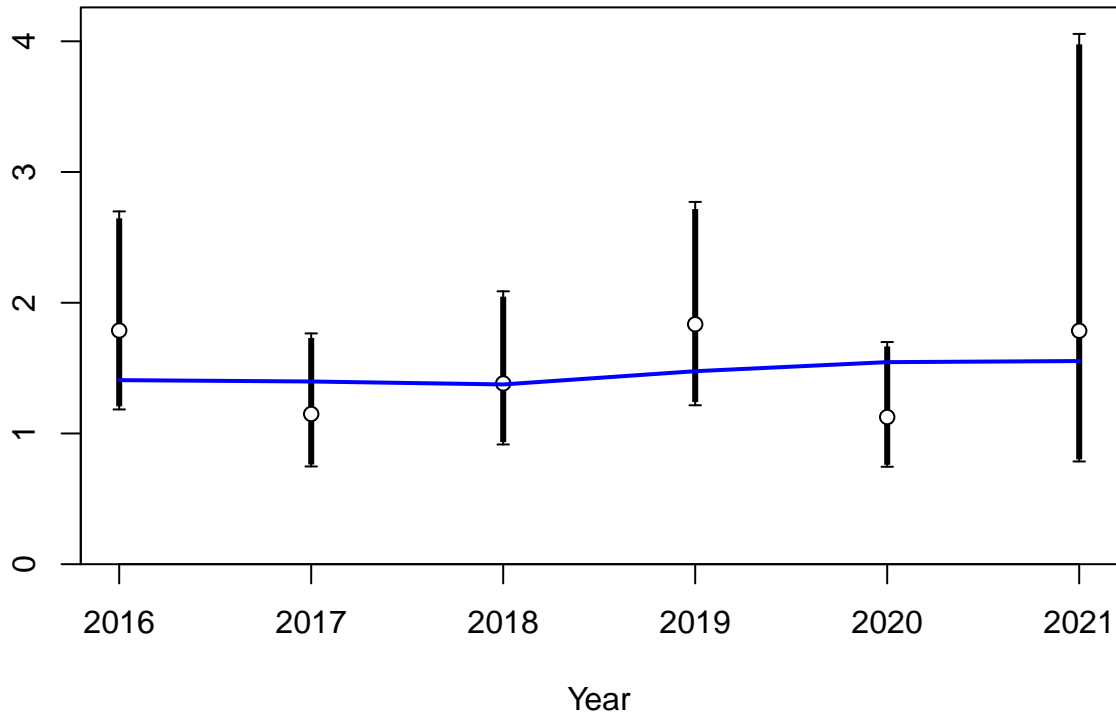


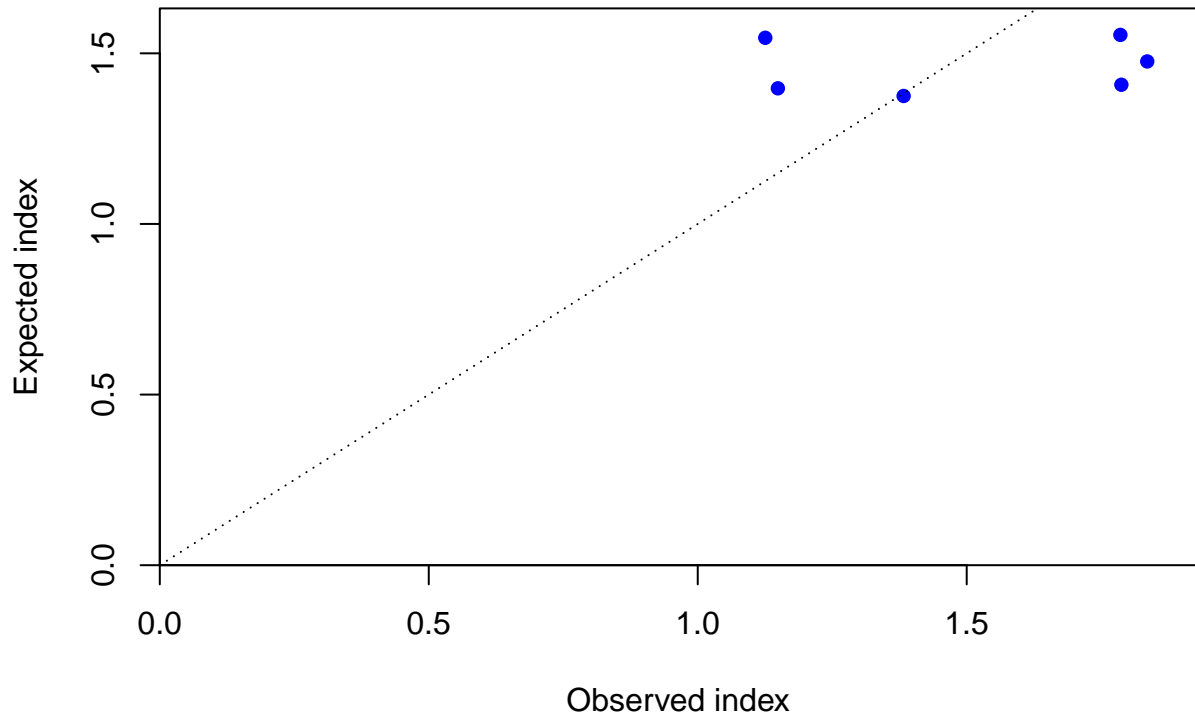
Relative spawning output:  $B/B_{MSY}$

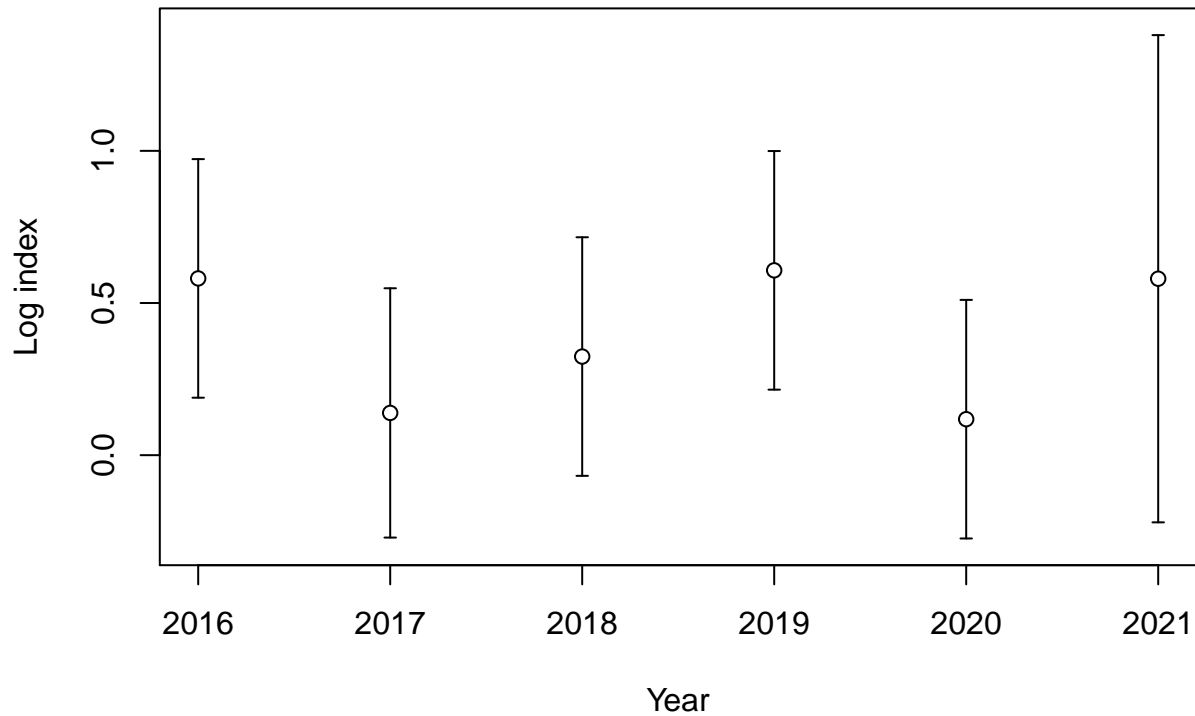
Index

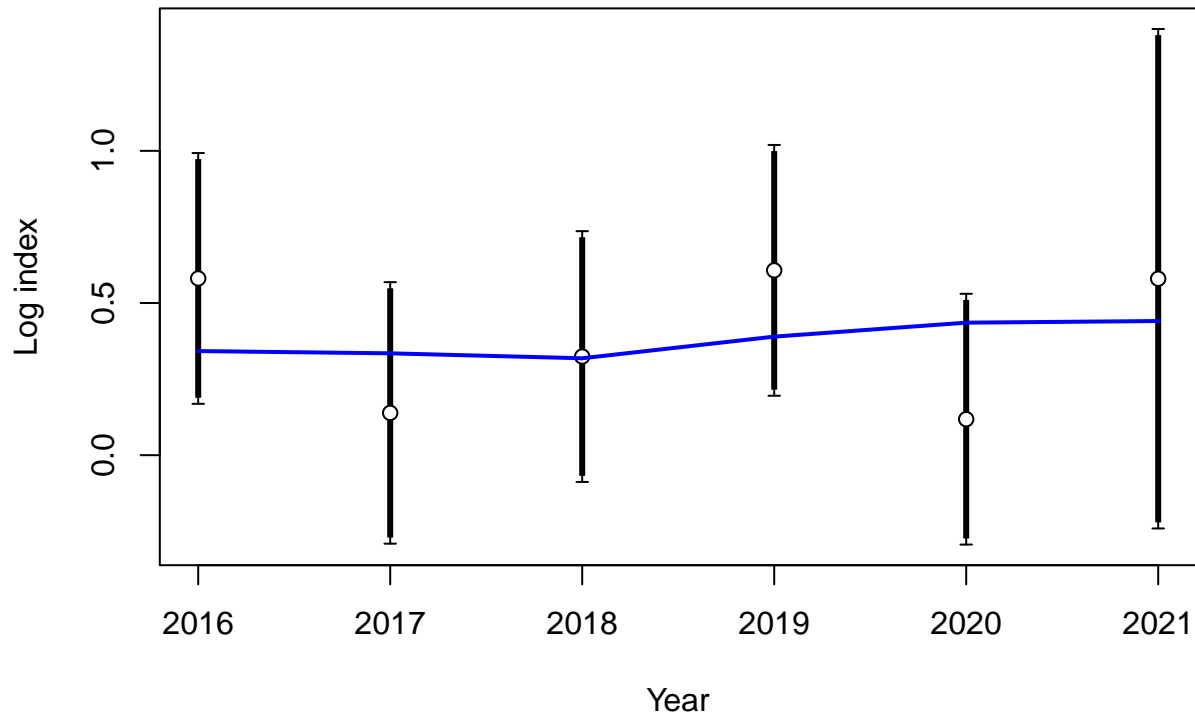


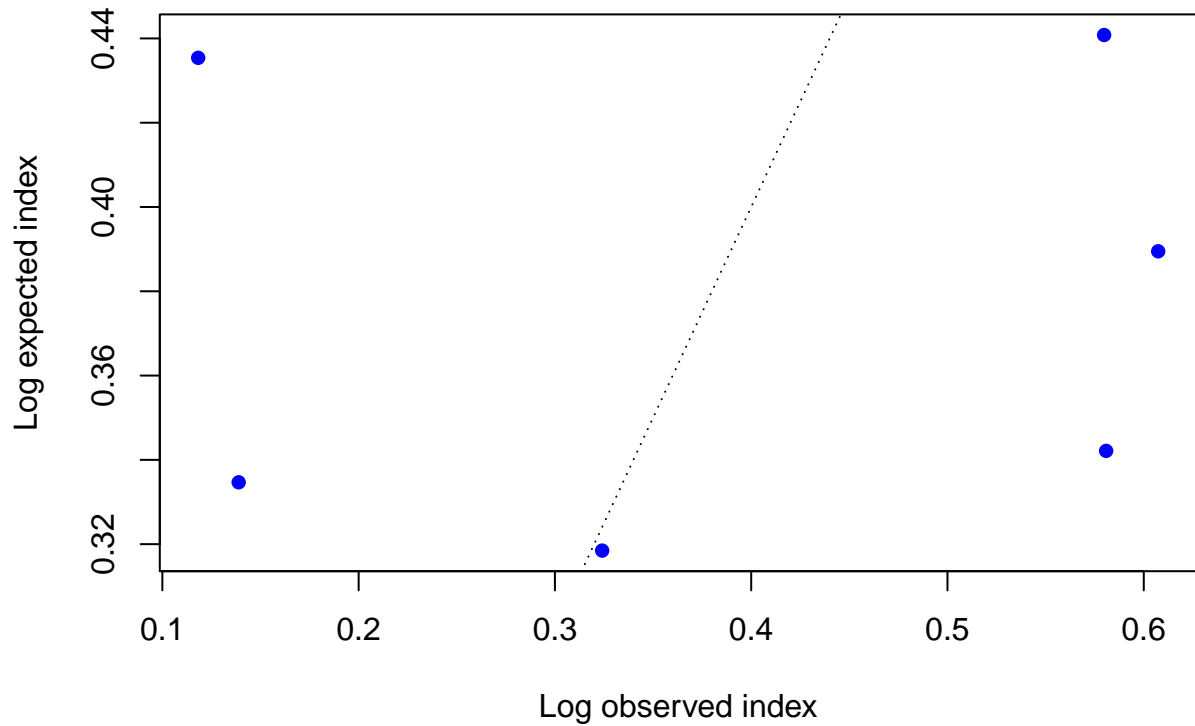
Index





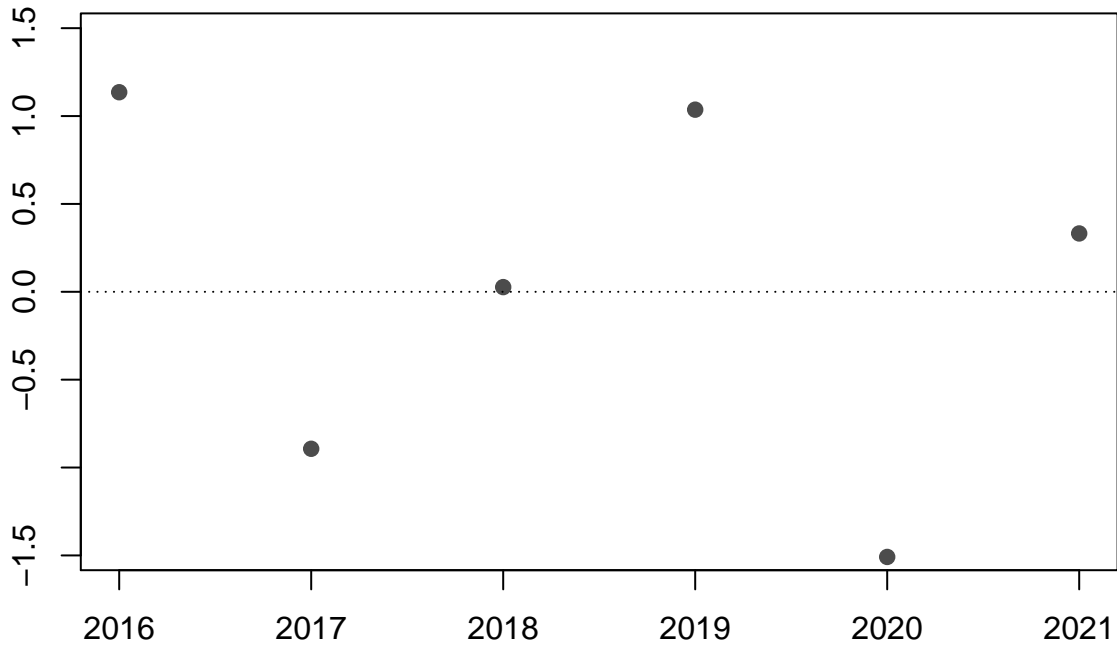




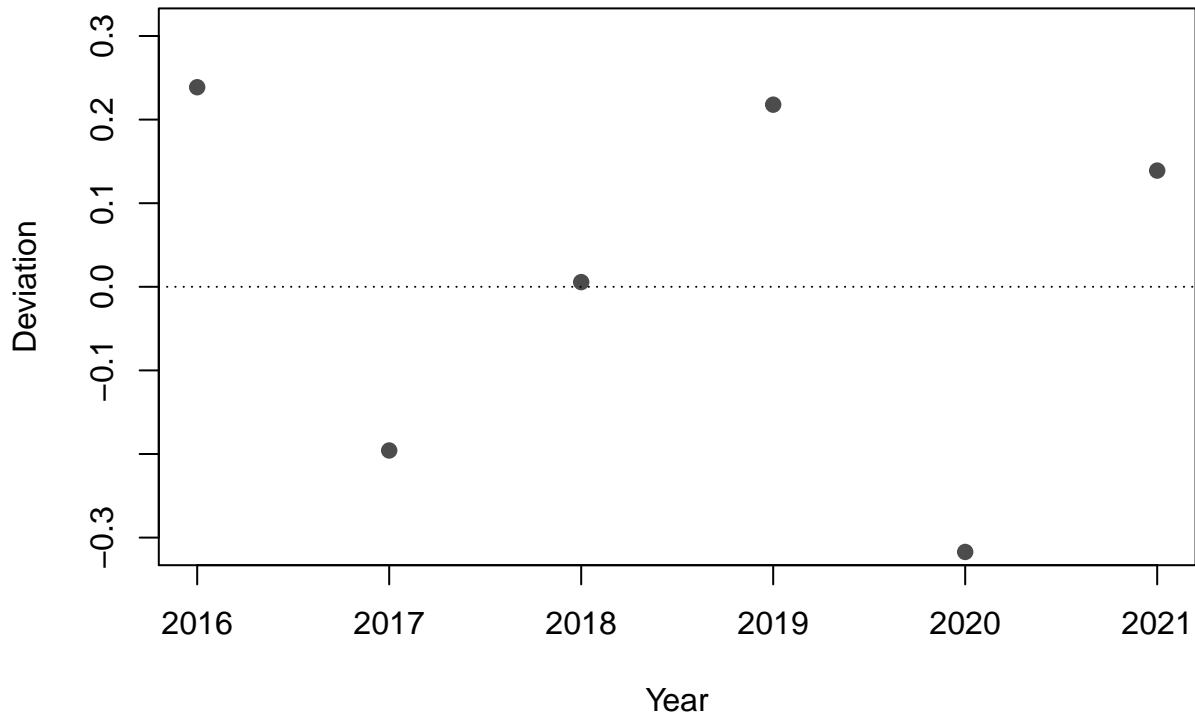


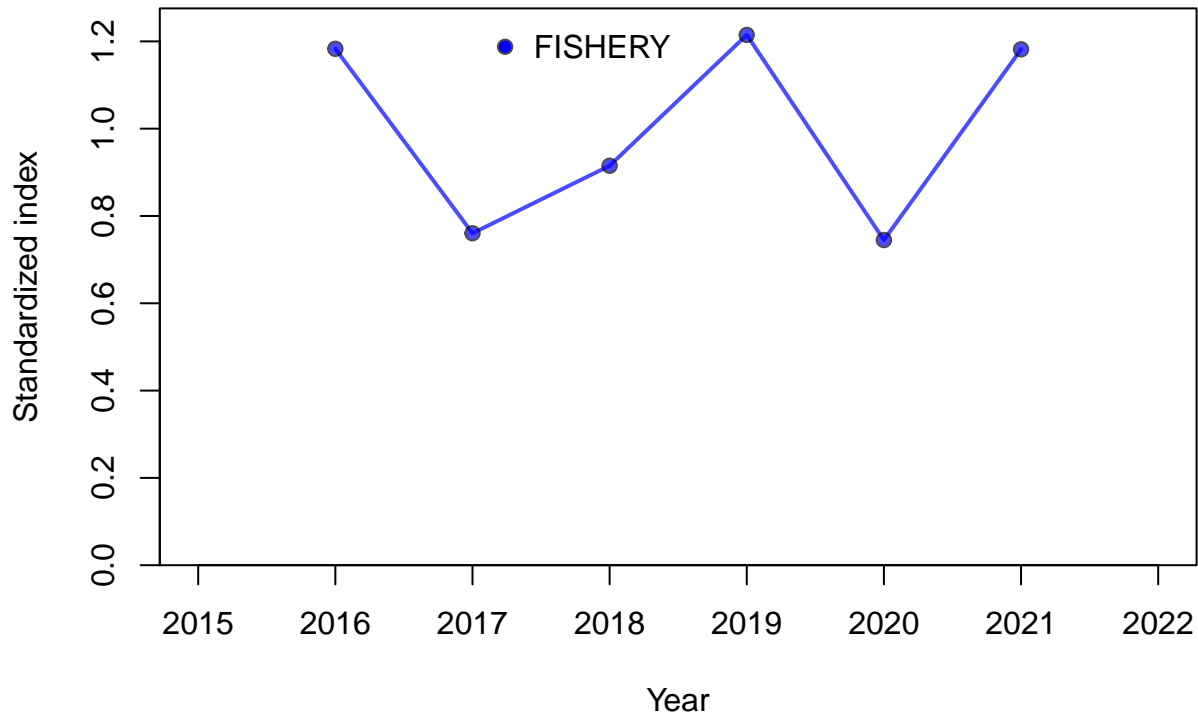


Residual

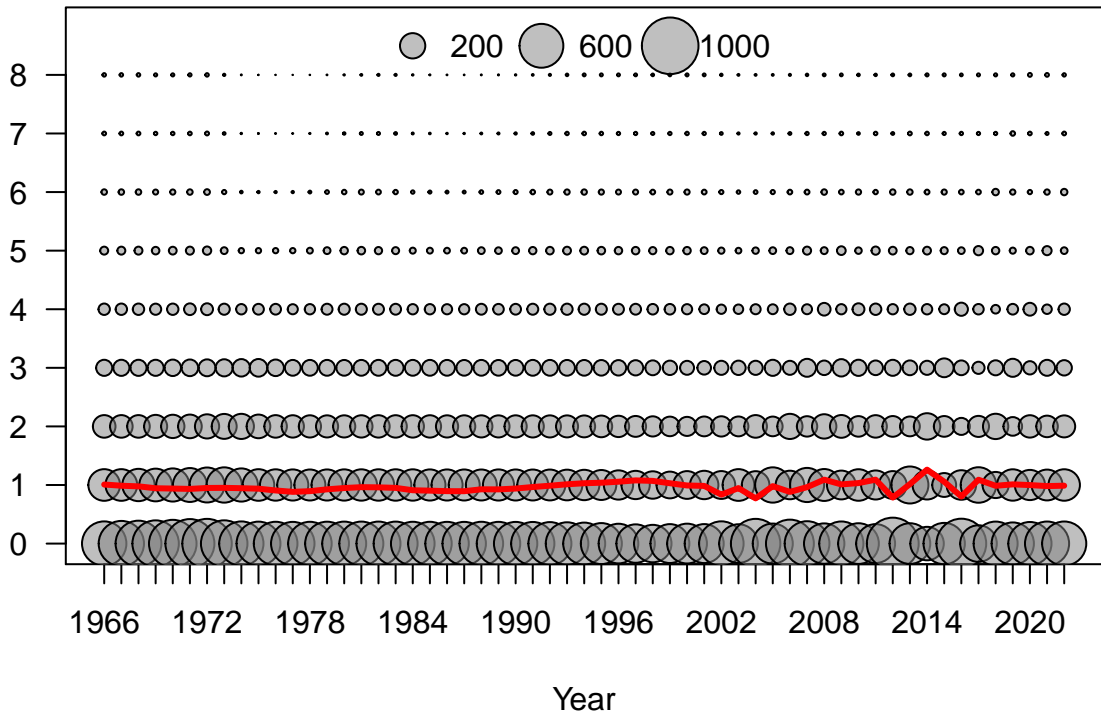


Year

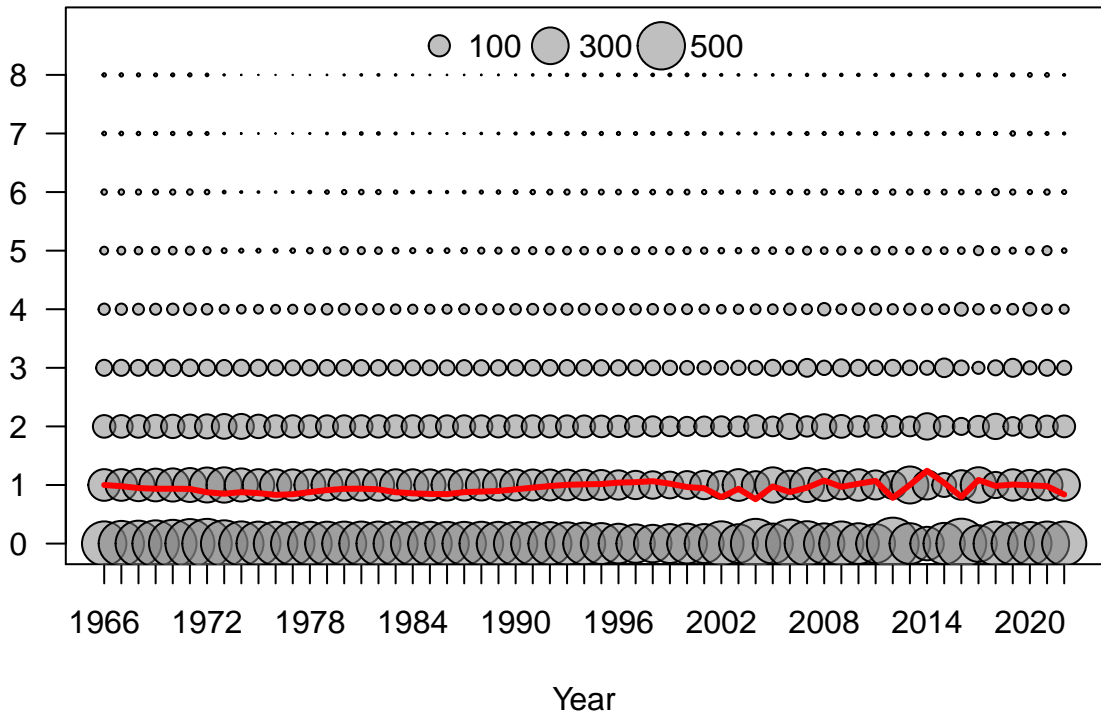


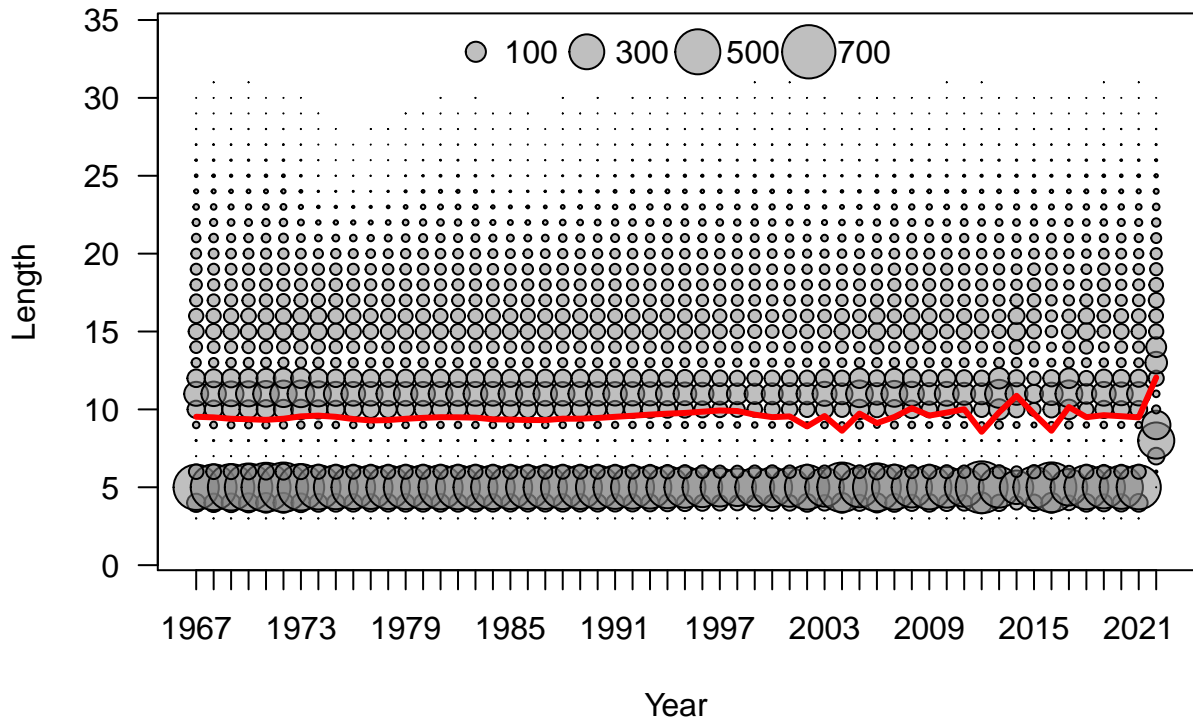


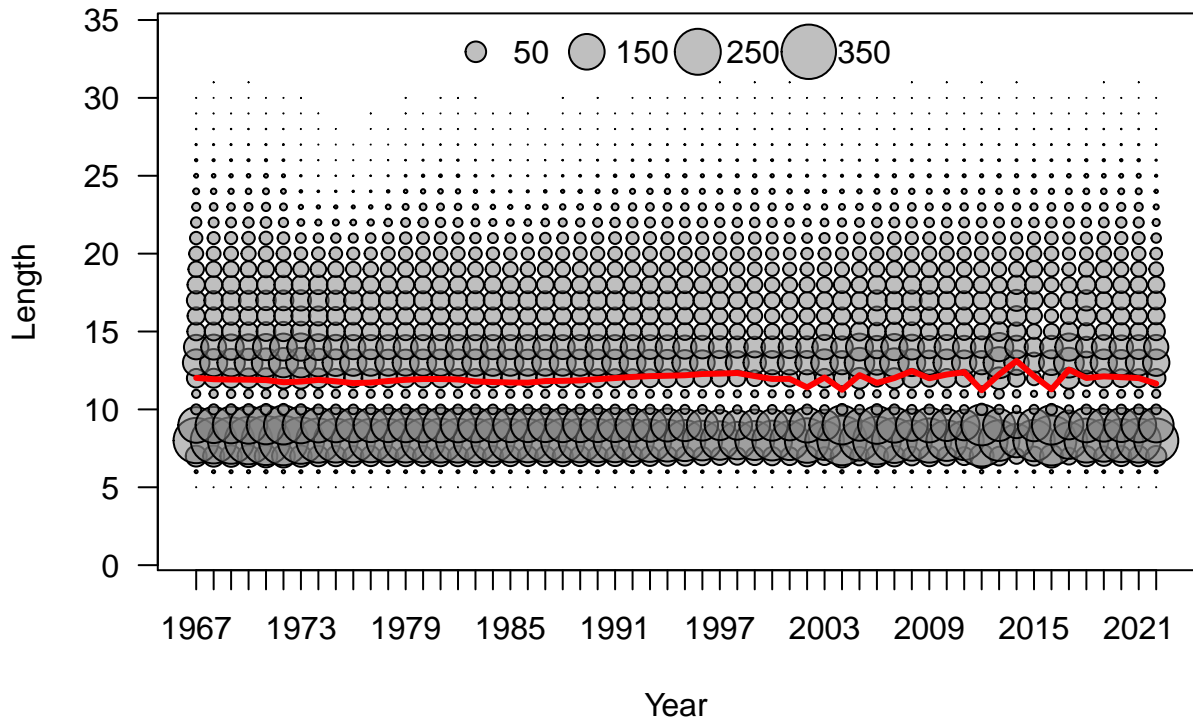
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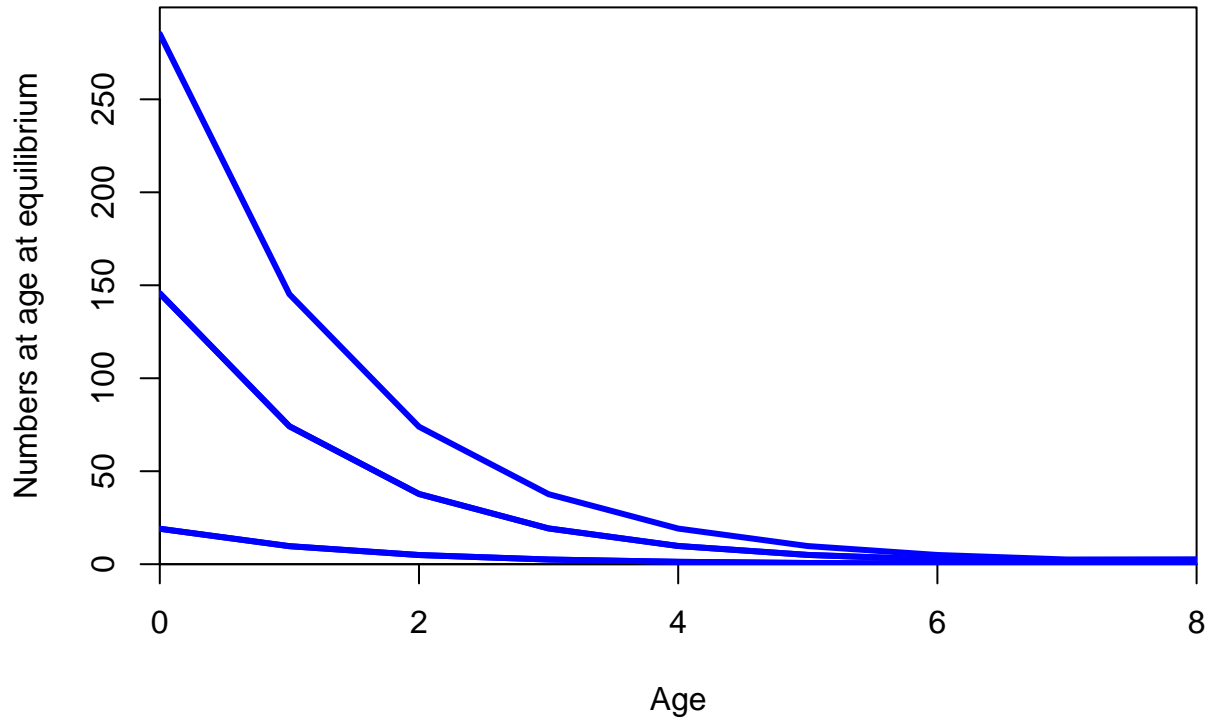


Age

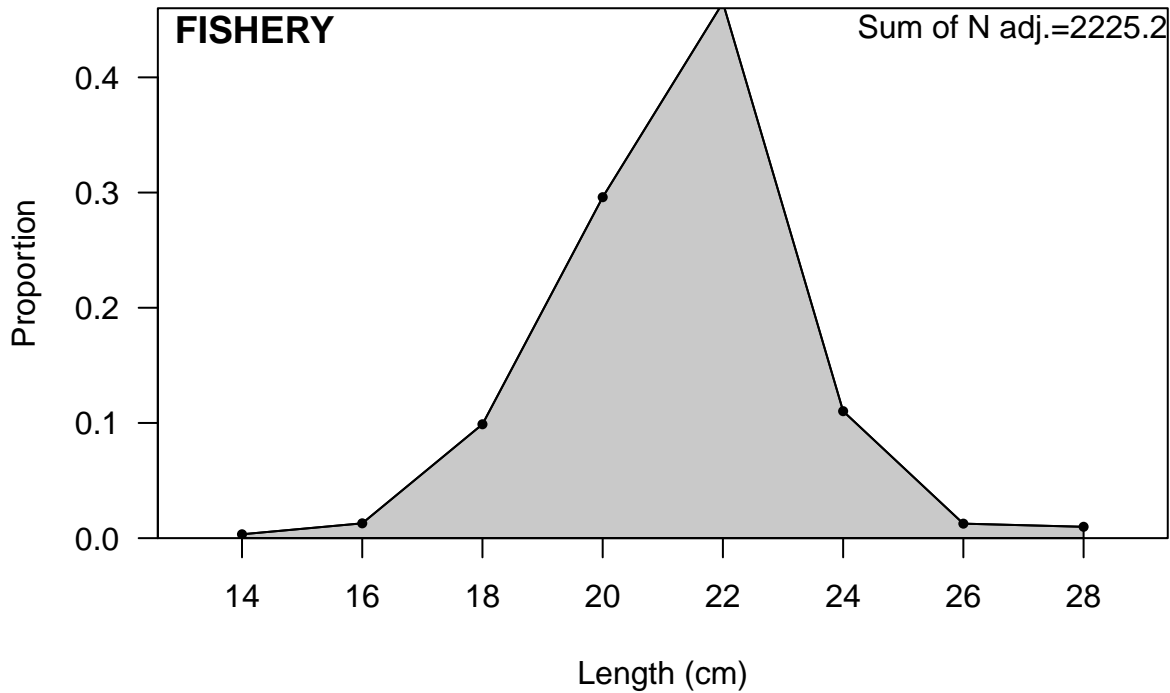


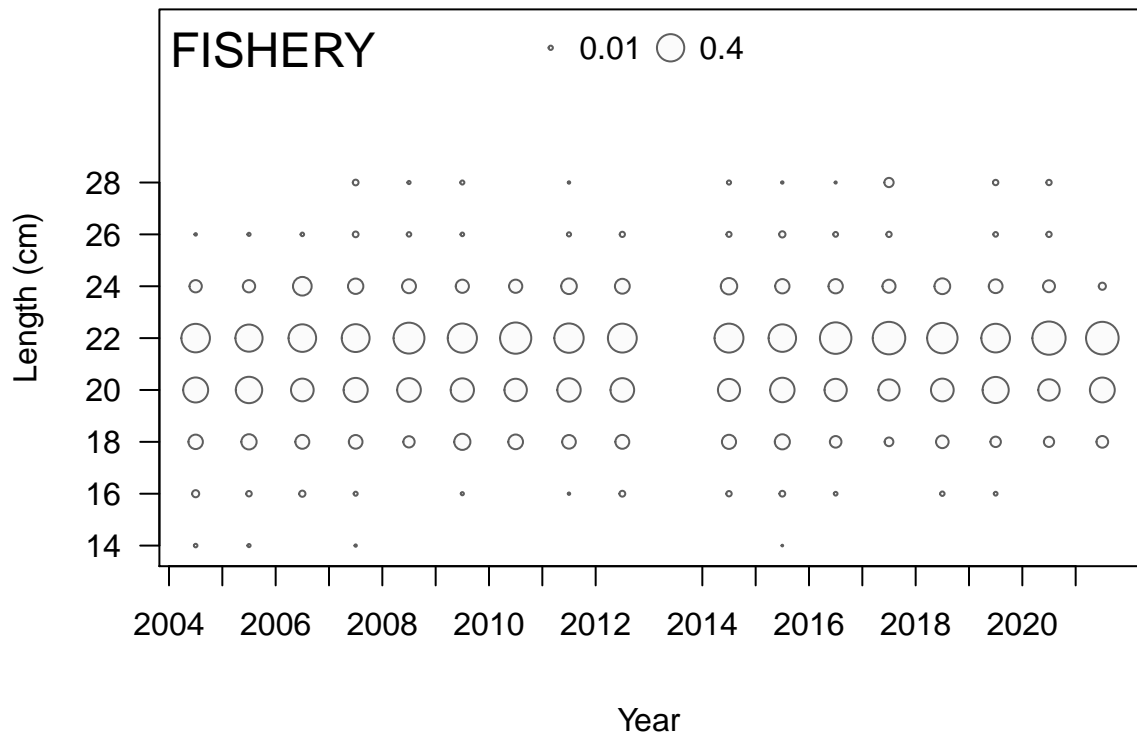




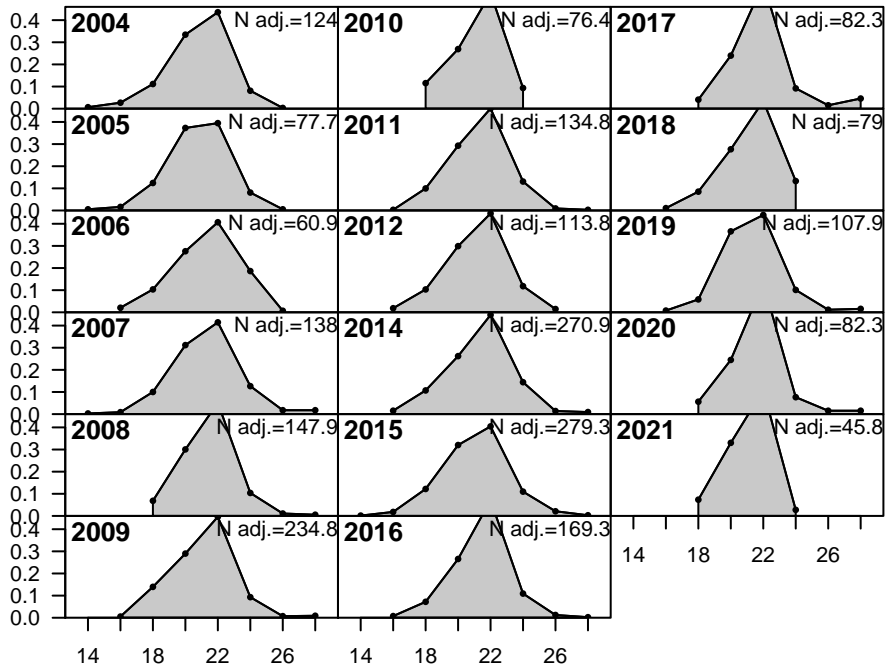




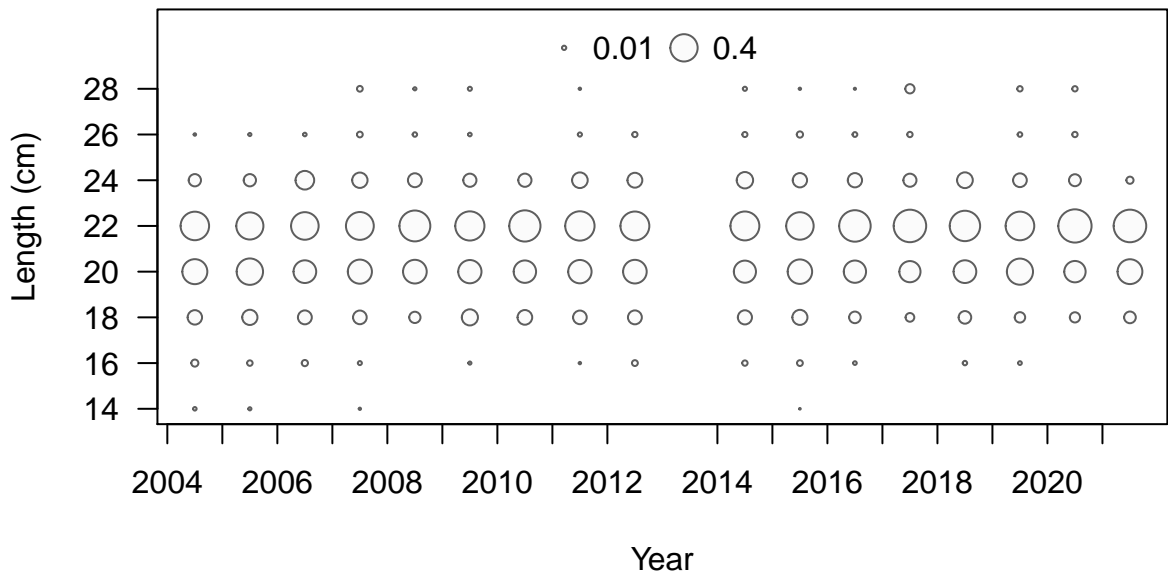




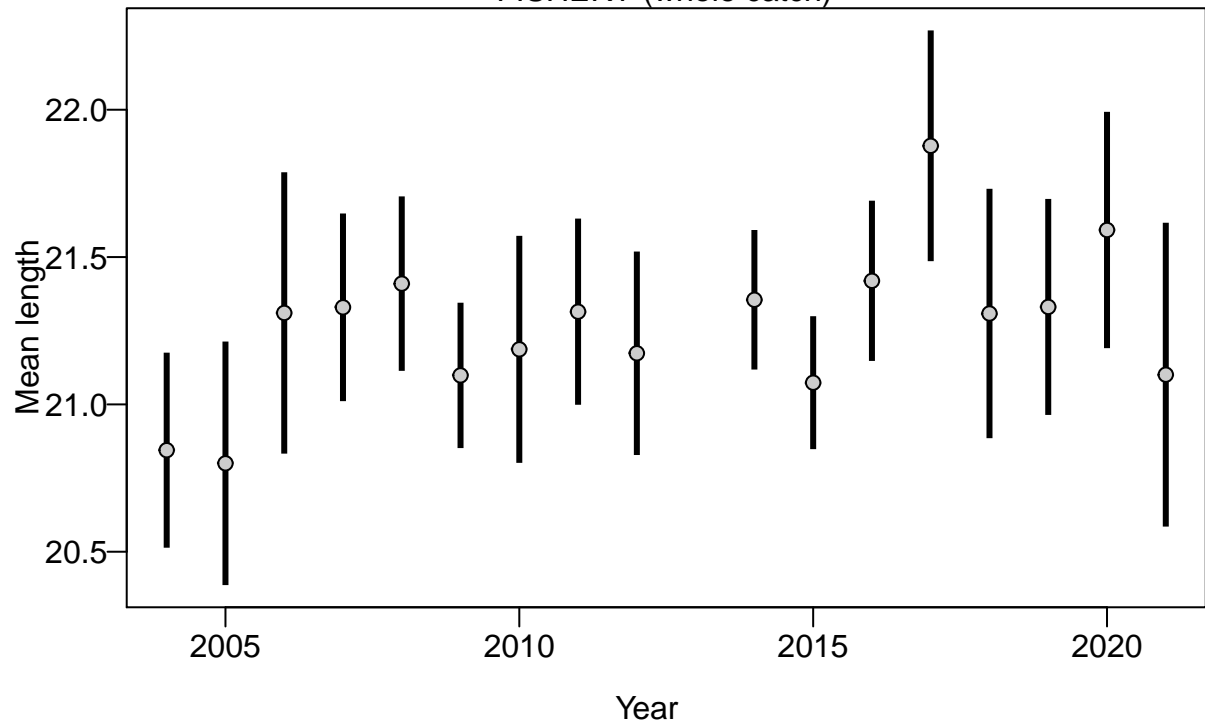
Proportion

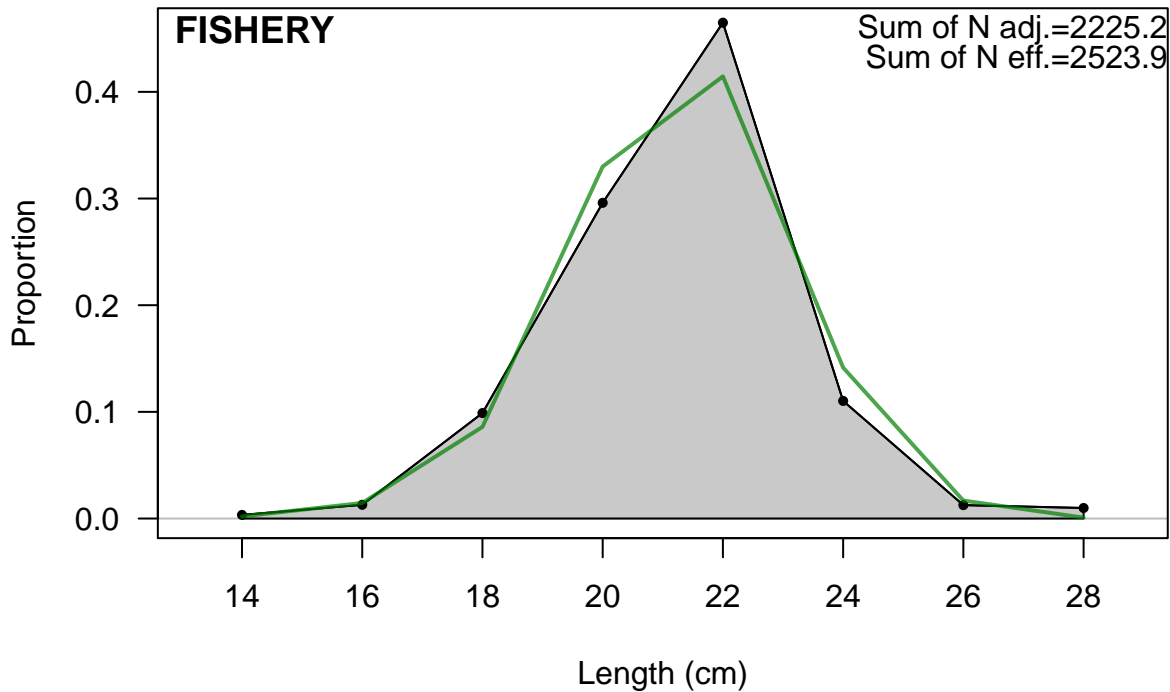


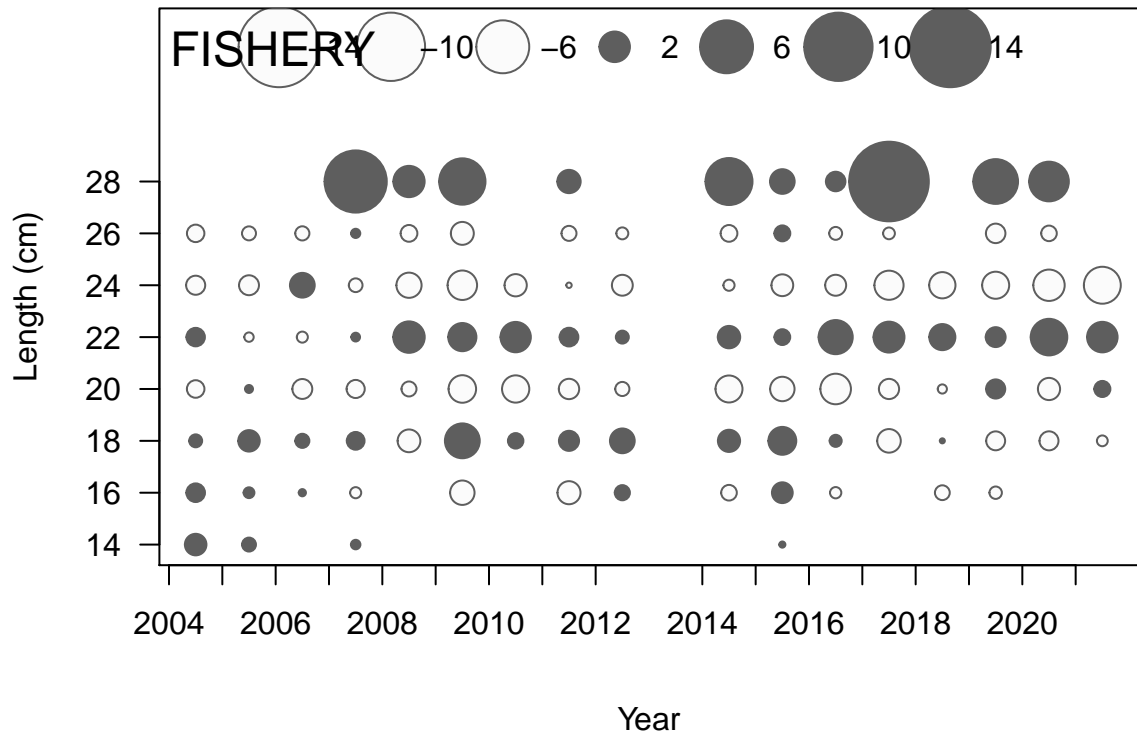
Length (cm)



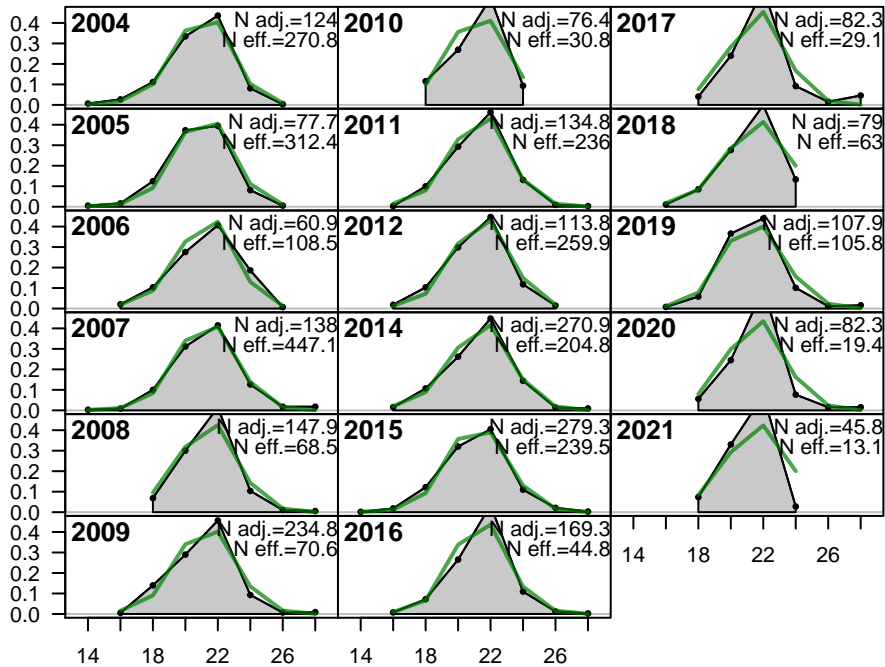
FISHERY (whole catch)







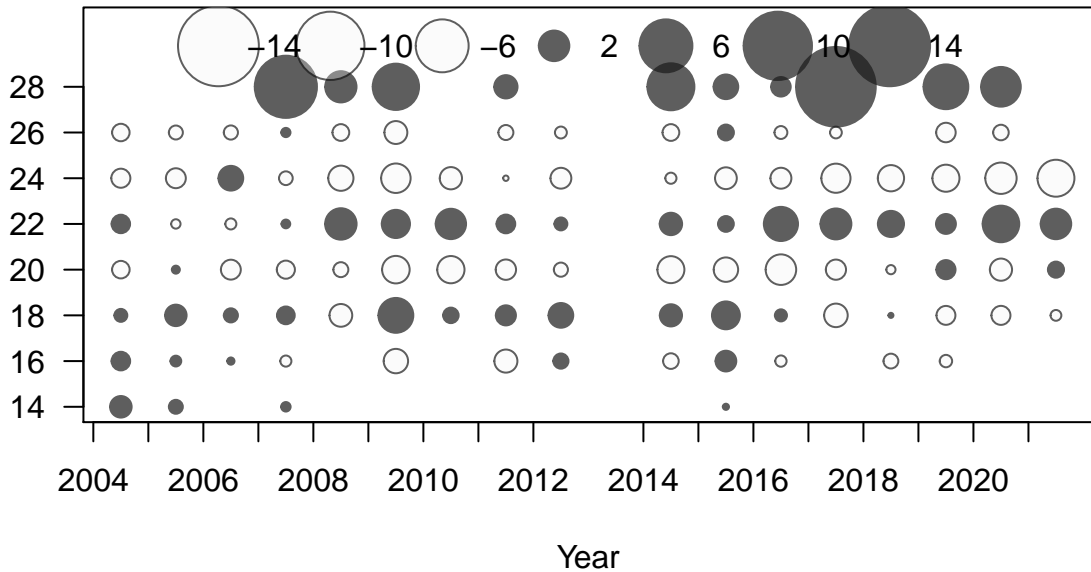
Proportion



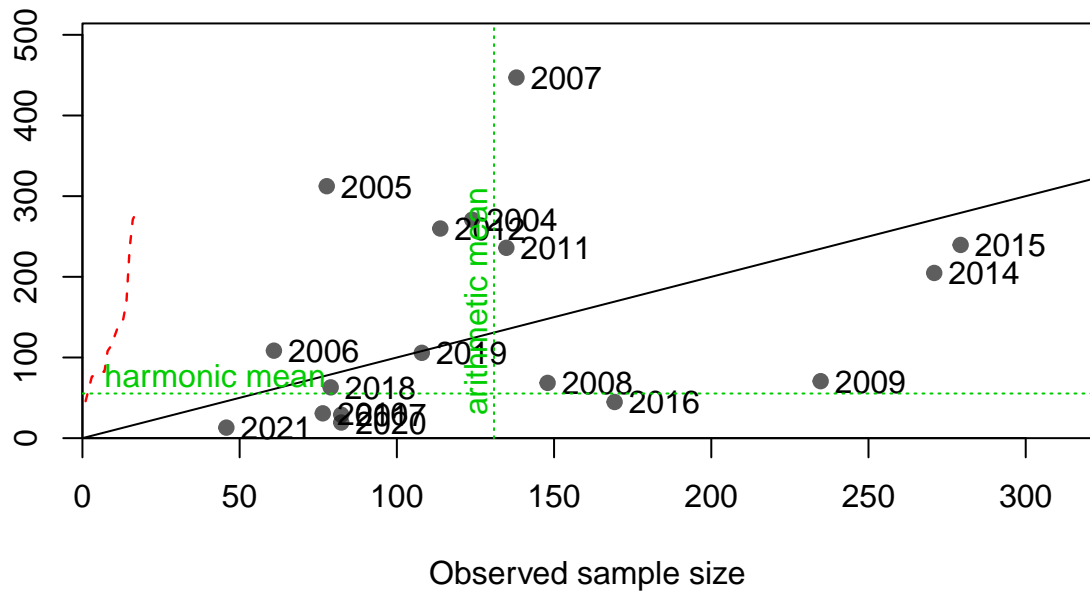
Length (cm)



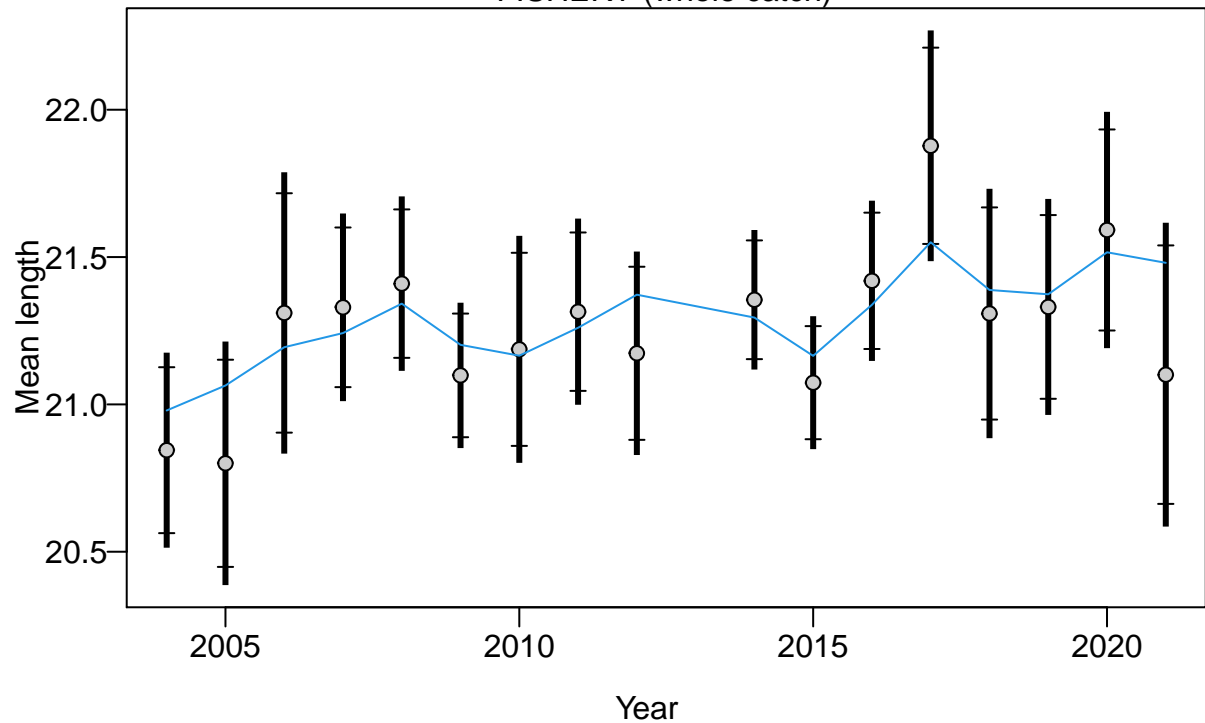
Length (cm)

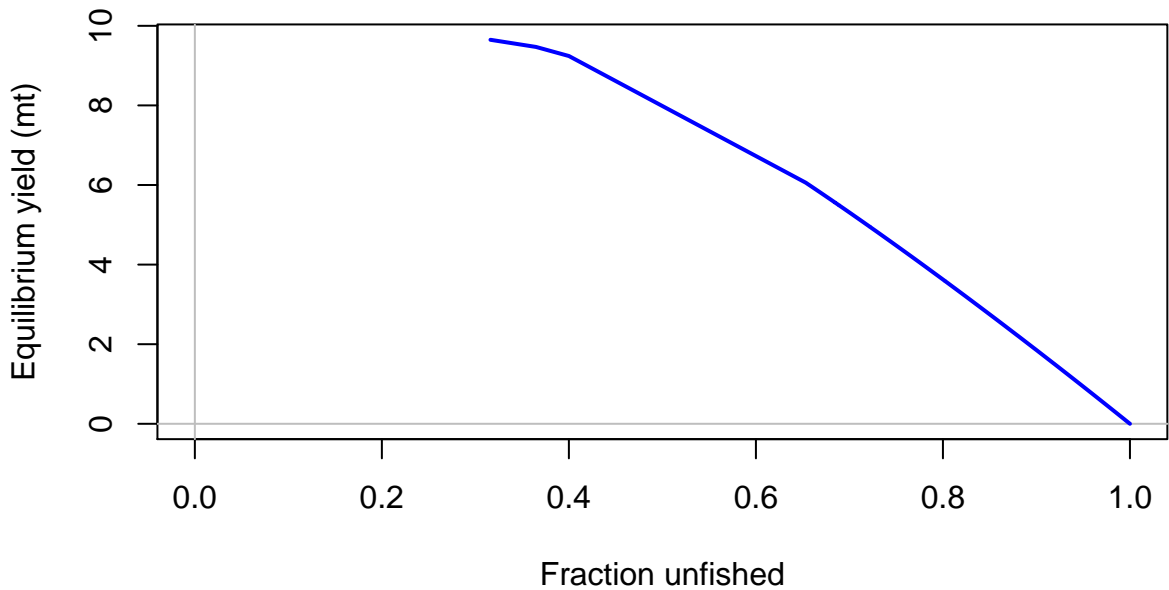


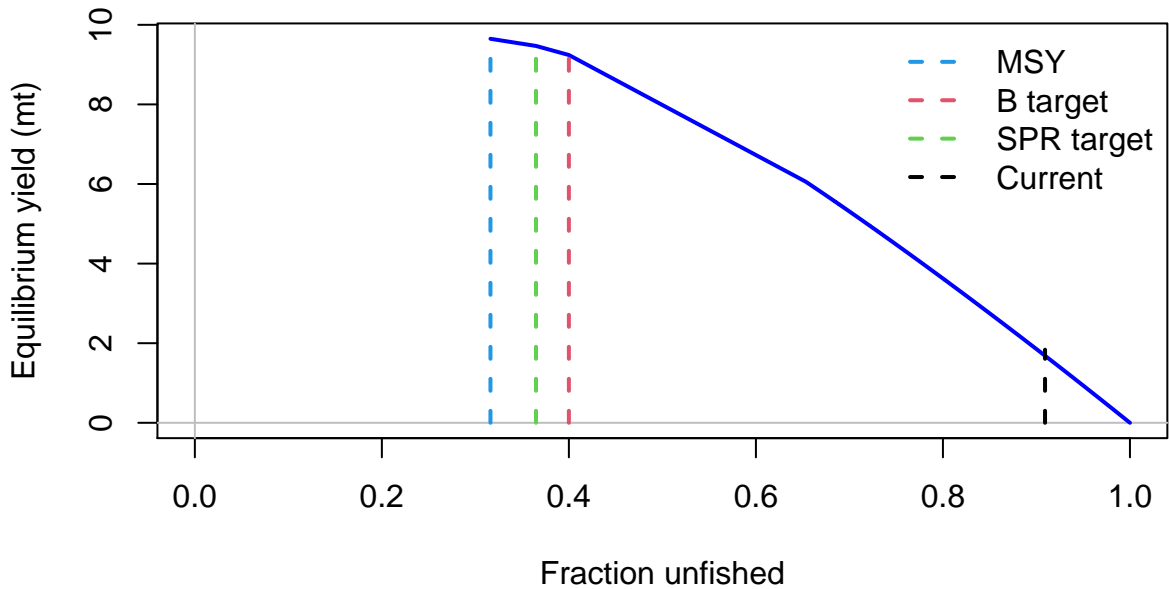
Effective sample size

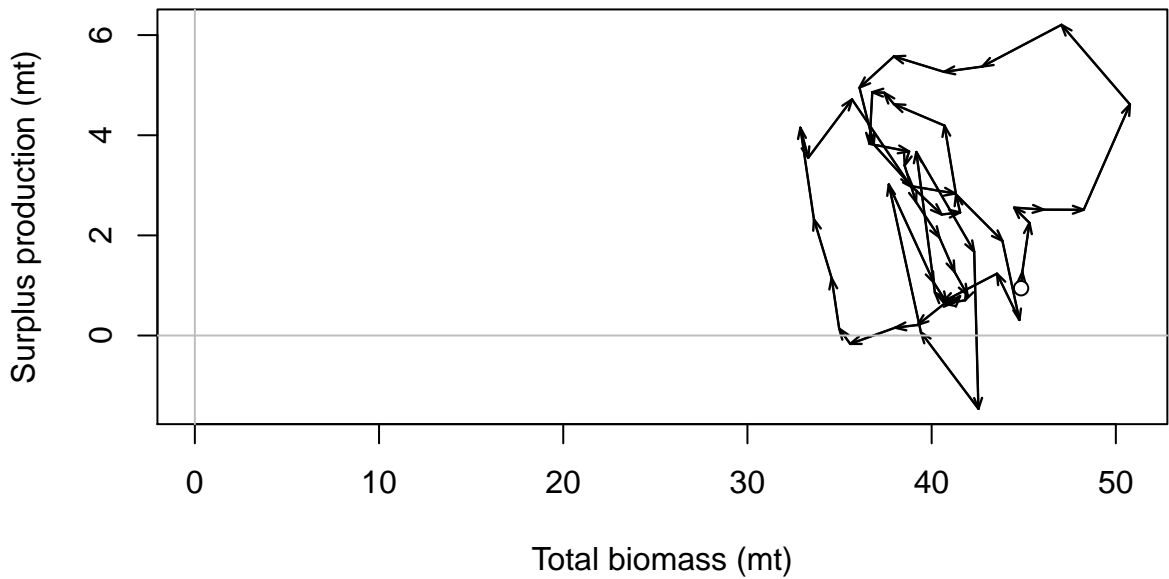


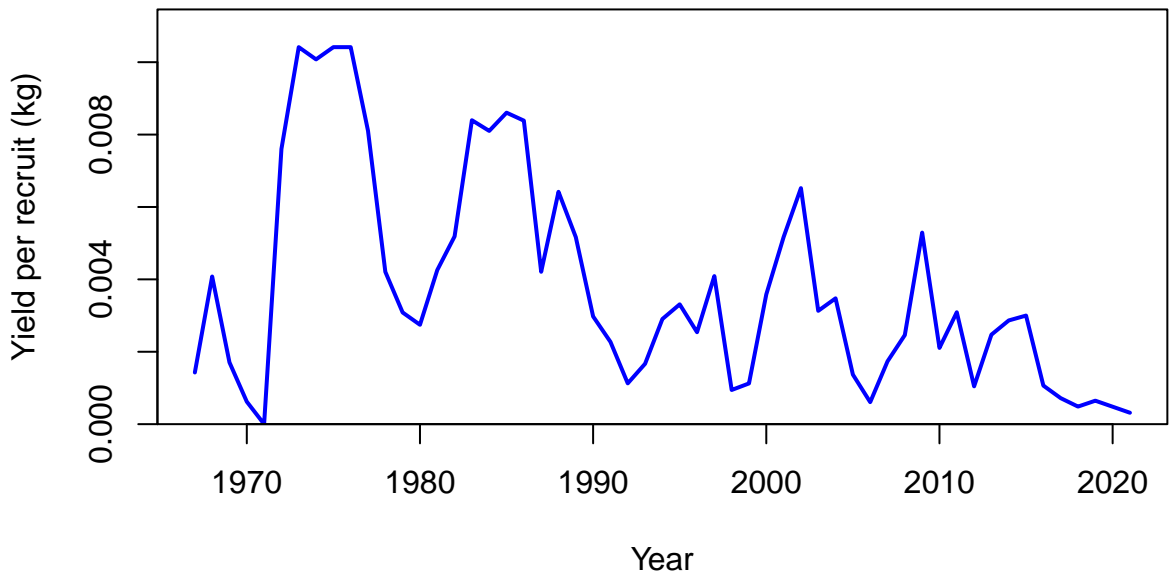
FISHERY (whole catch)

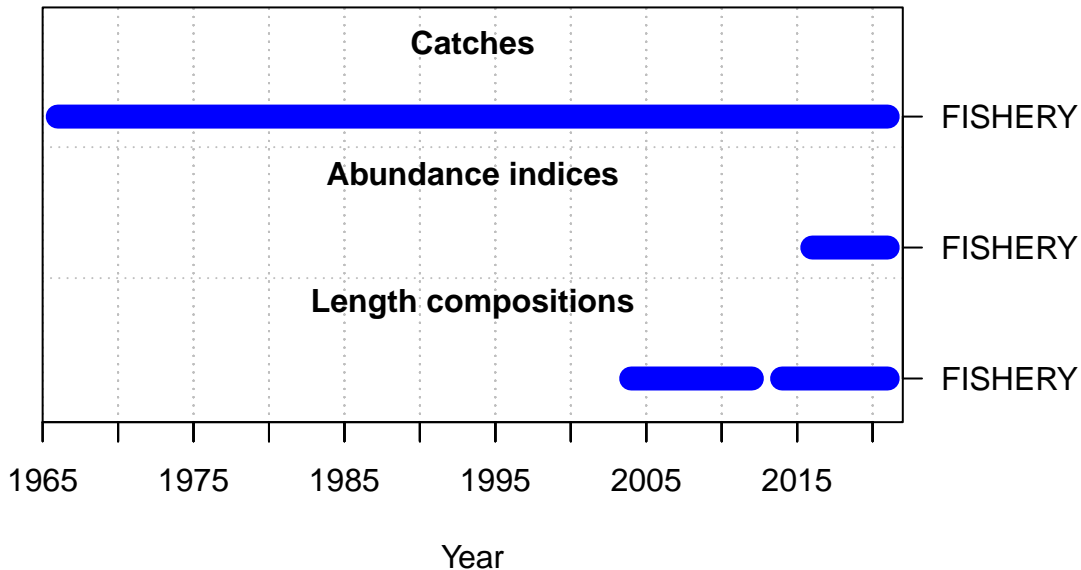




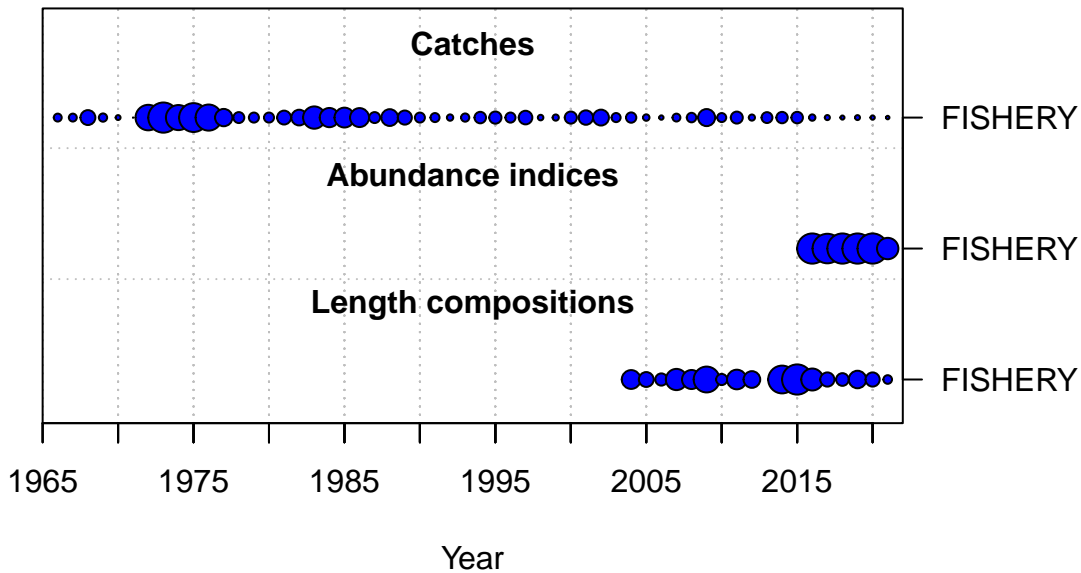






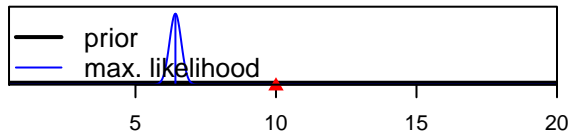




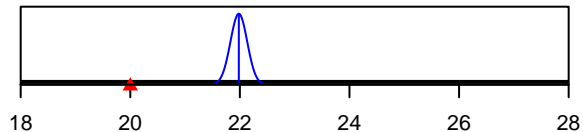


Density

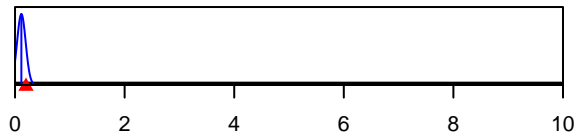
SR\_LN(R0)



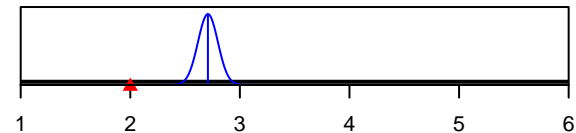
Size\_inflection\_FISHERY(1)



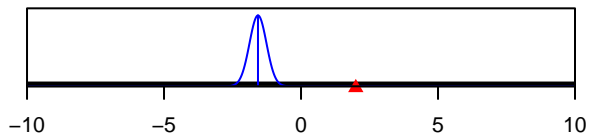
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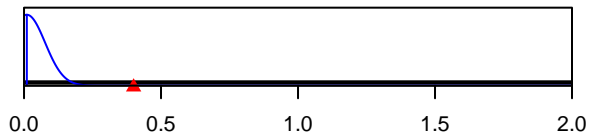
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value