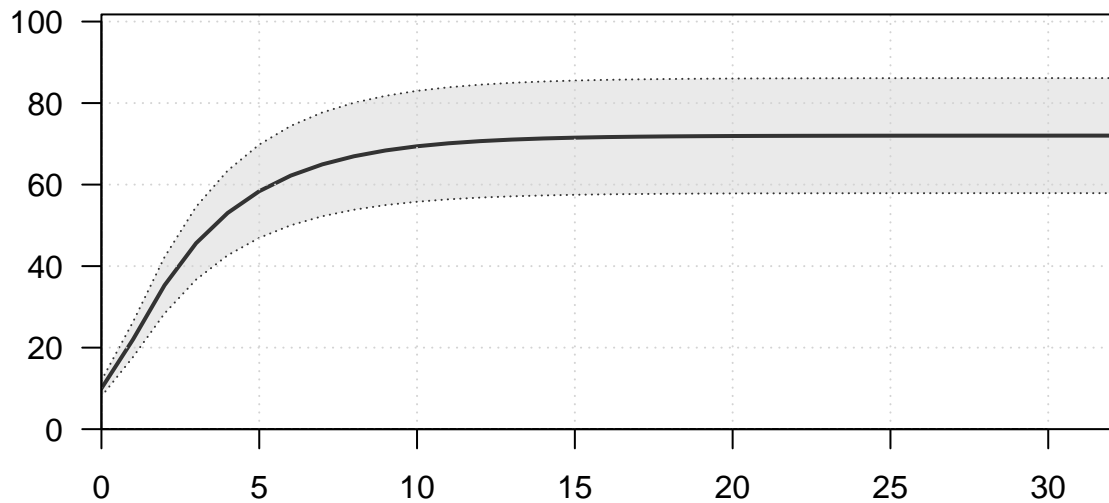
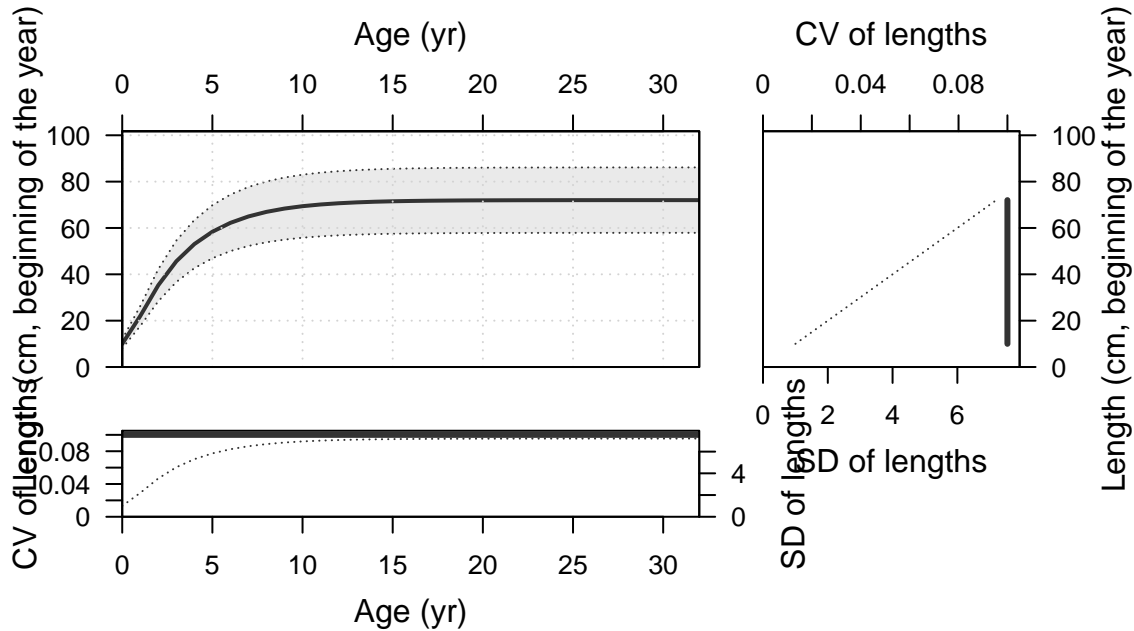


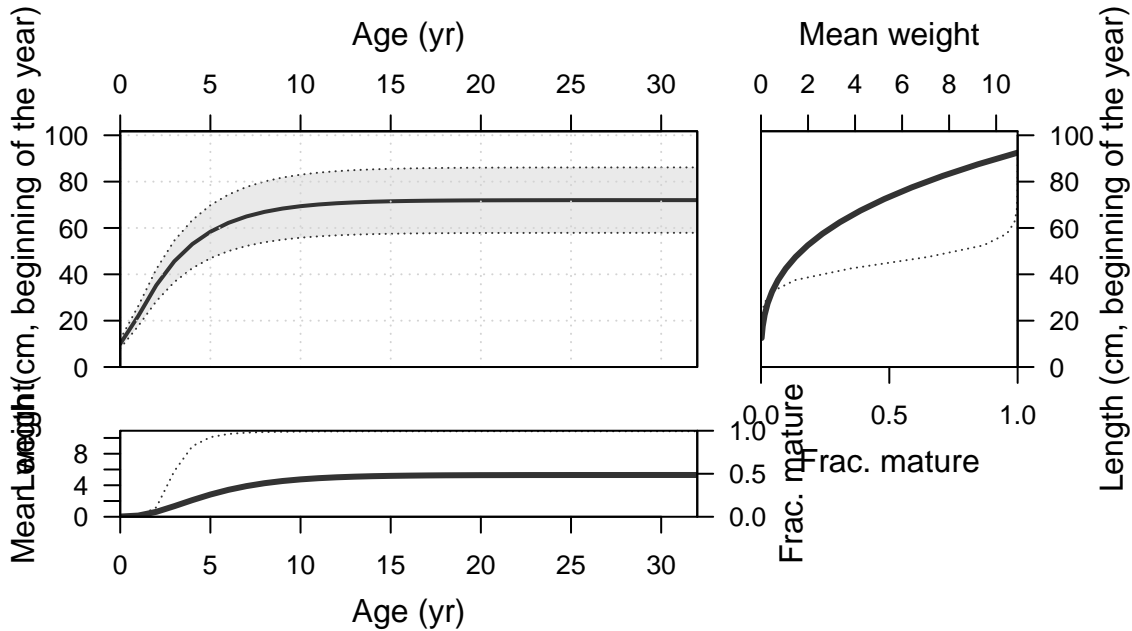
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Sat Jun 11 13:53:24 2022
Data_File: data.ss
Control_File: control.ss

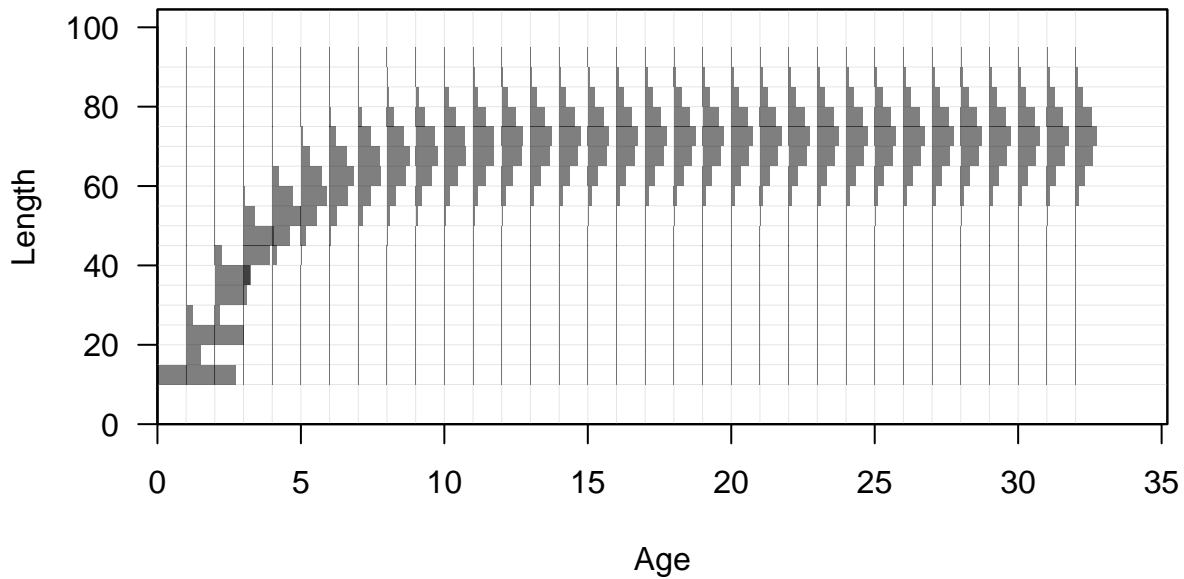
Length (cm, beginning of the year)

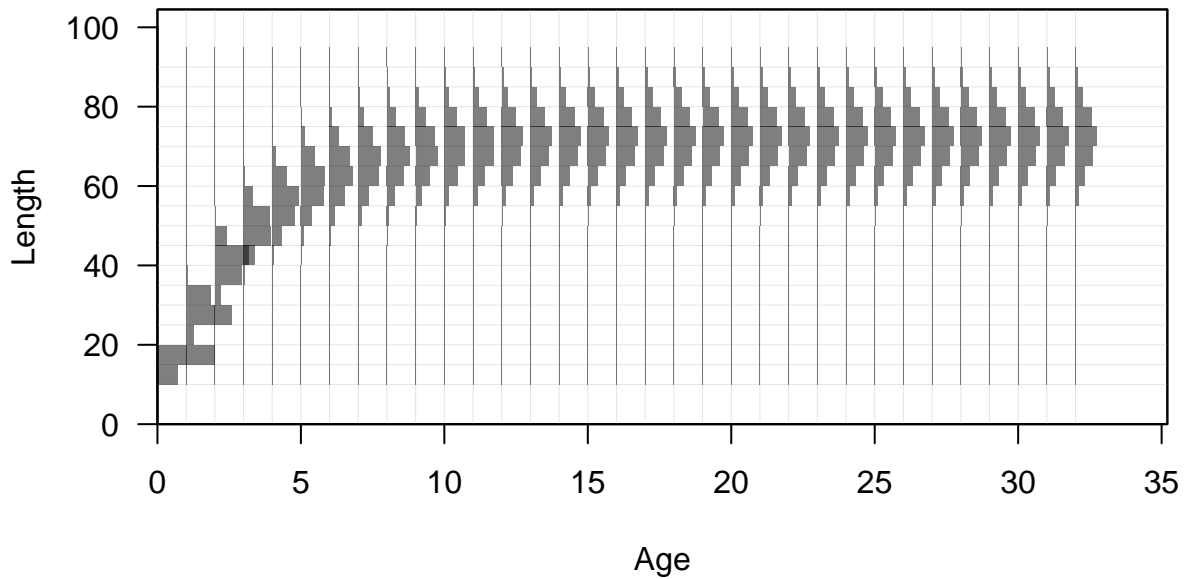


Age (yr)

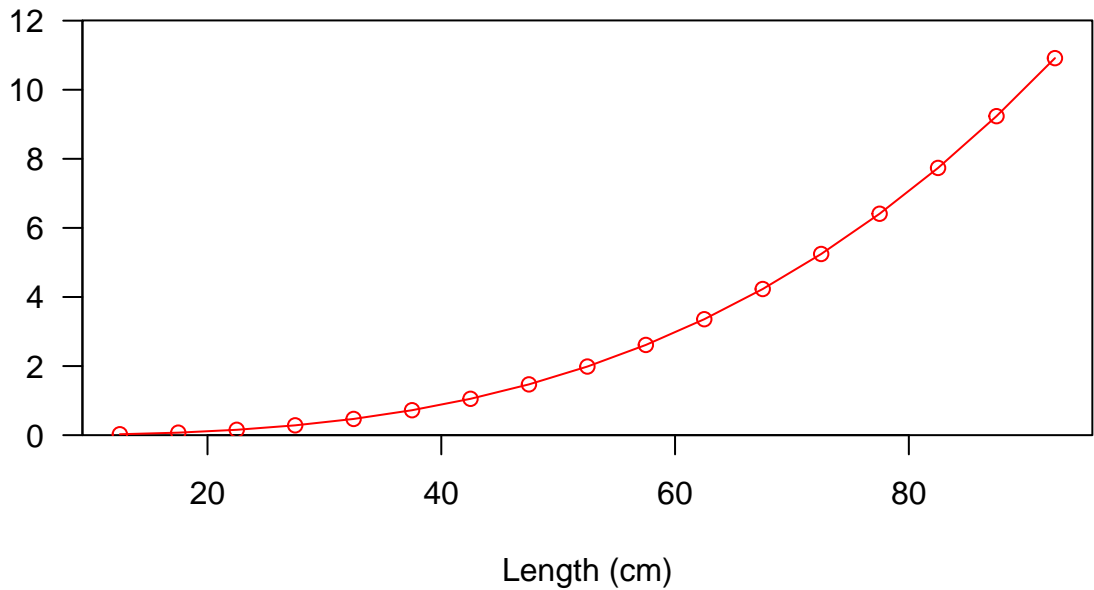


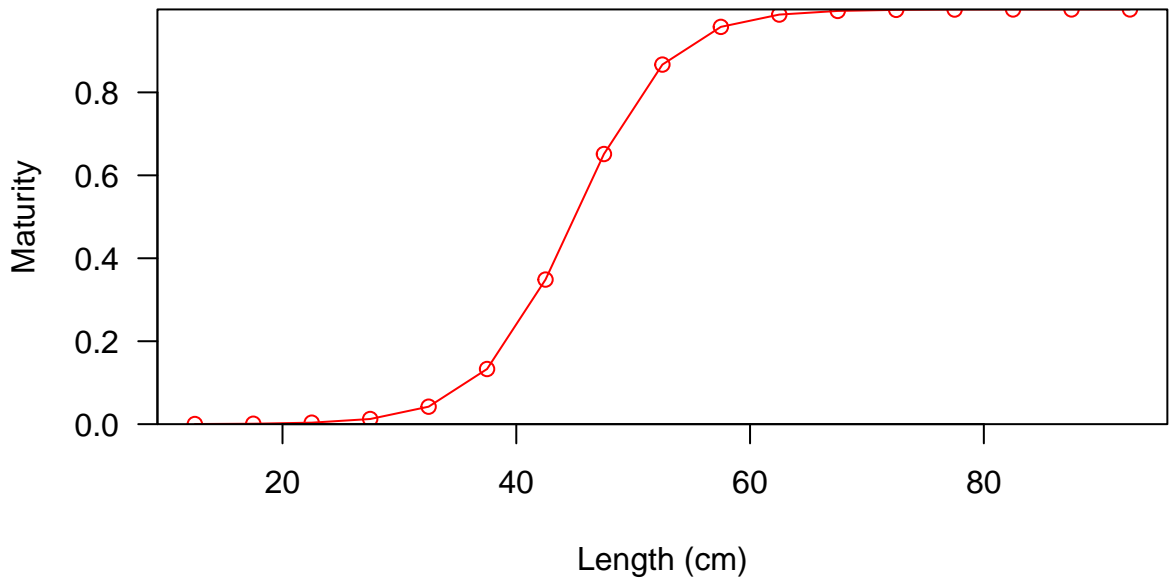


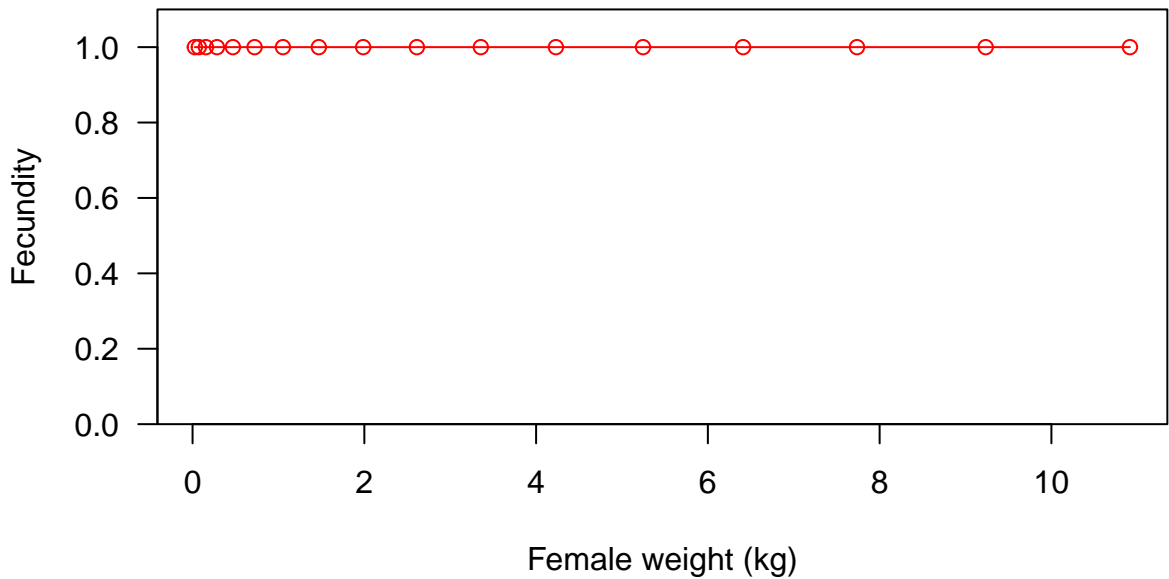


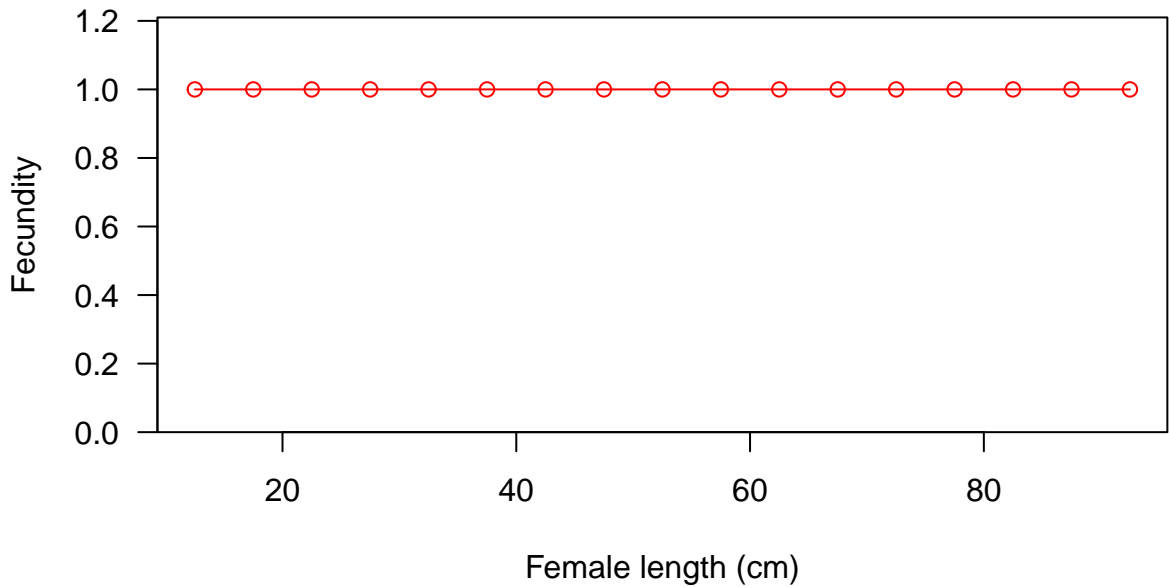


Mean weight (kg) in last year

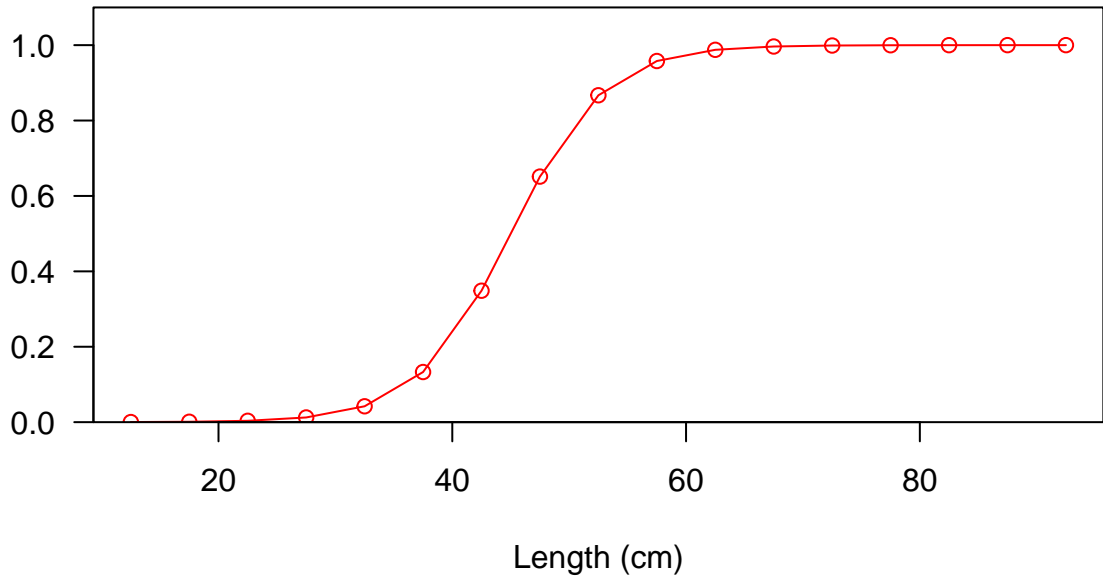


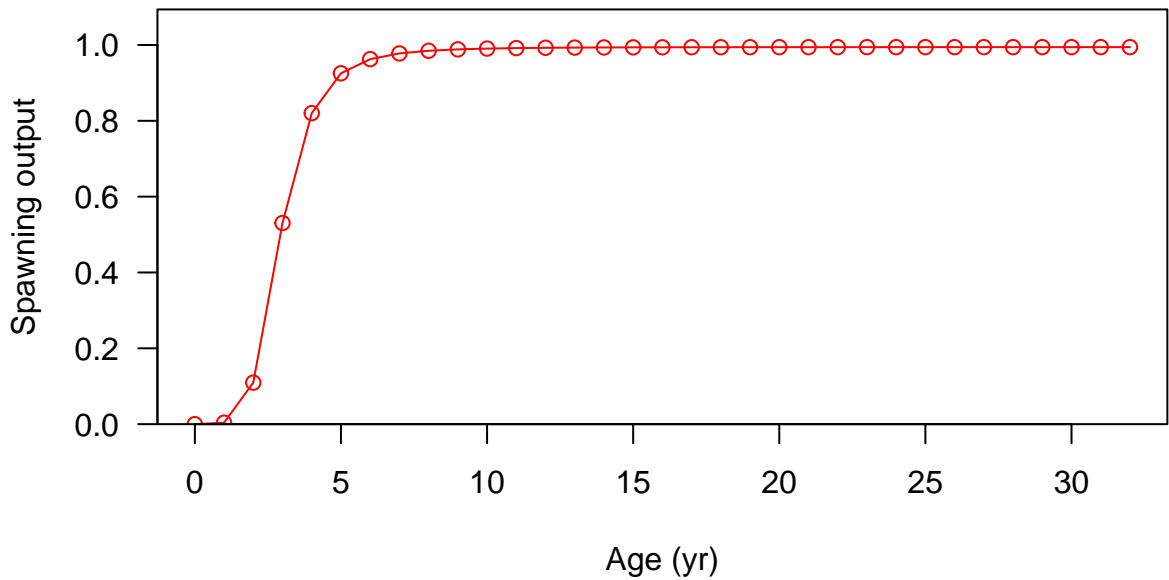




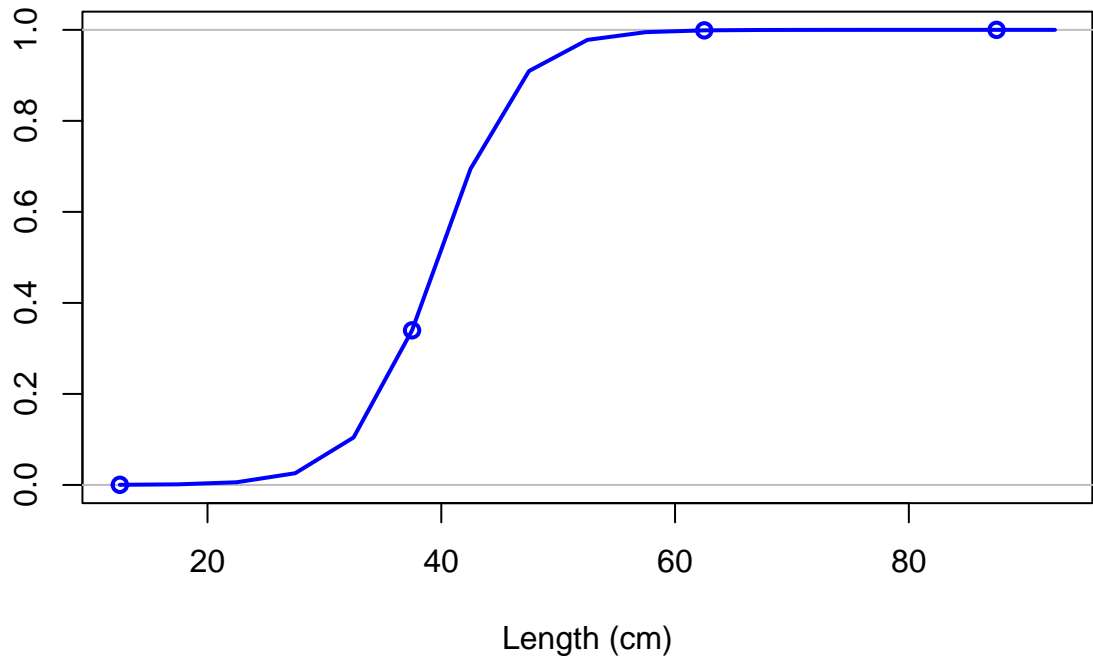


Spawning output

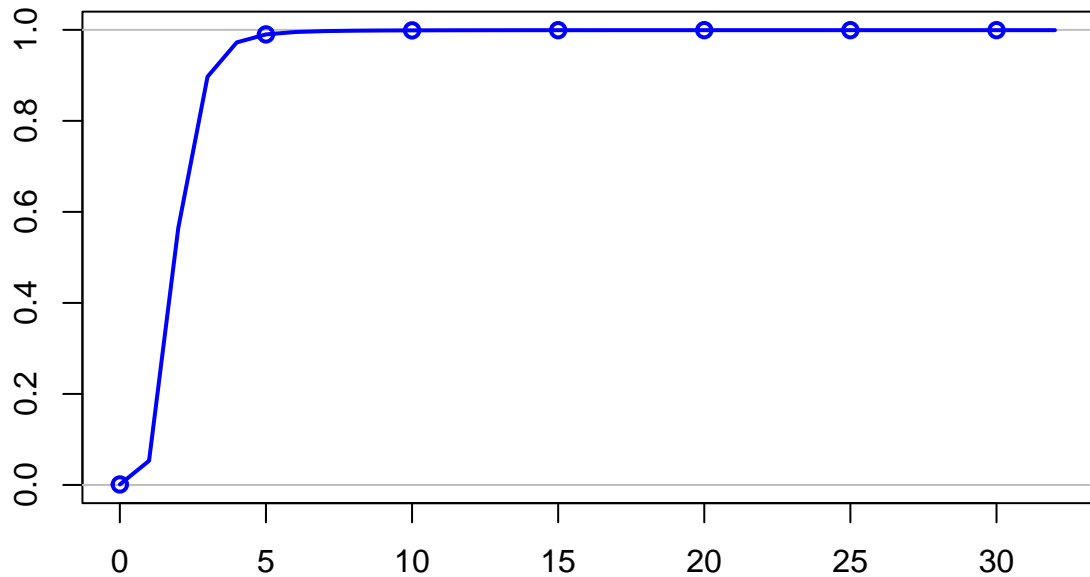




Selectivity

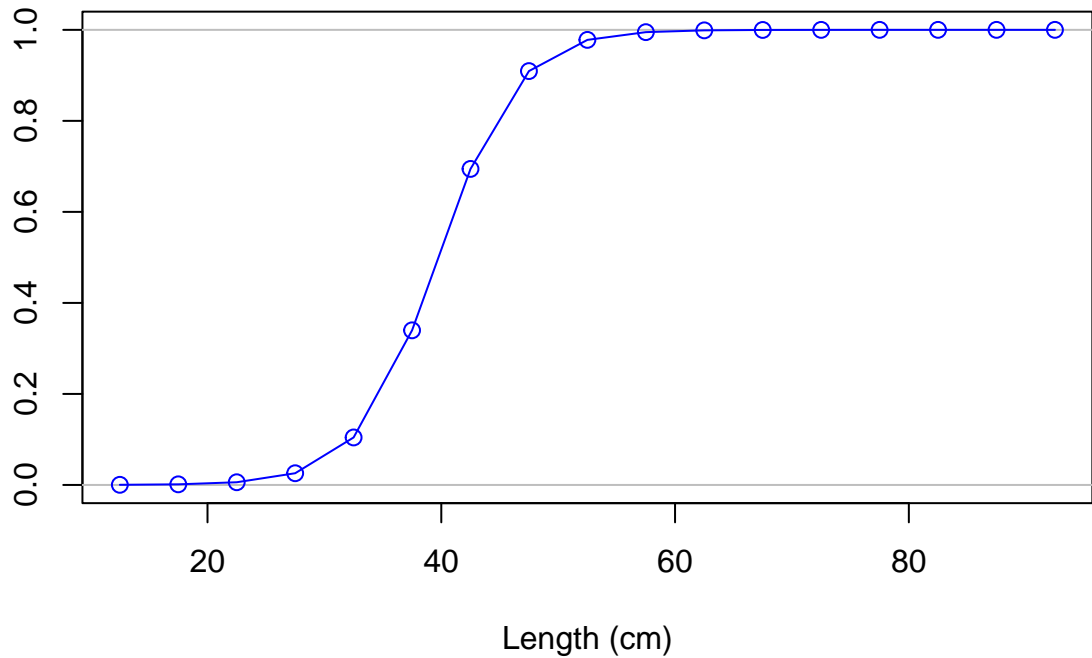


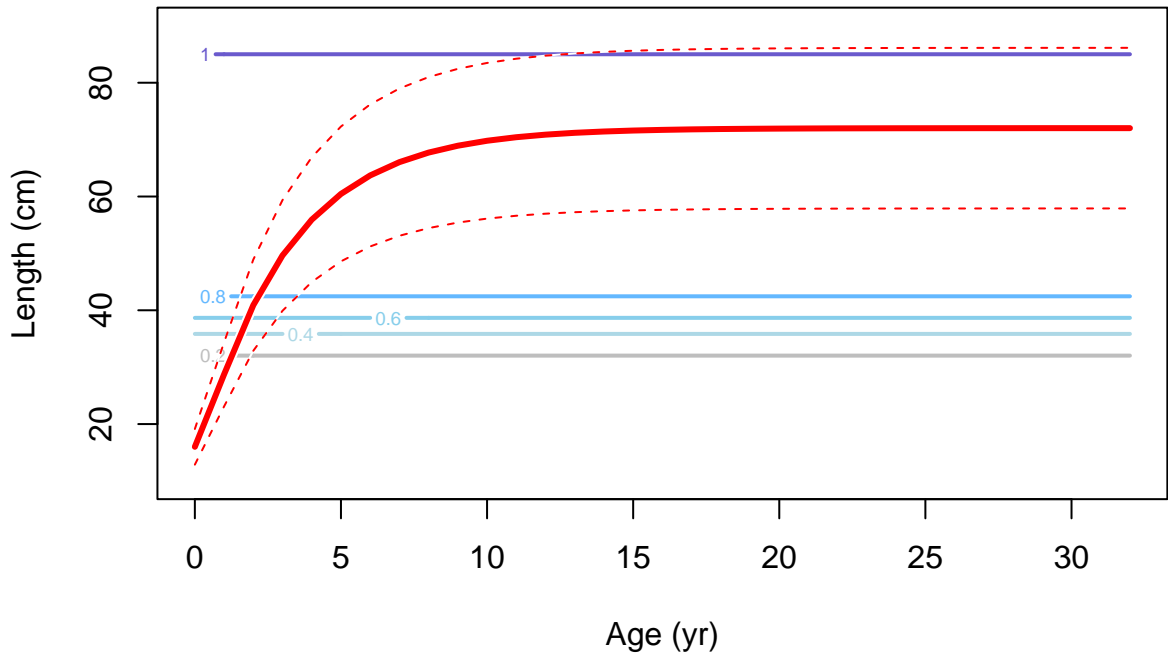
Selectivity



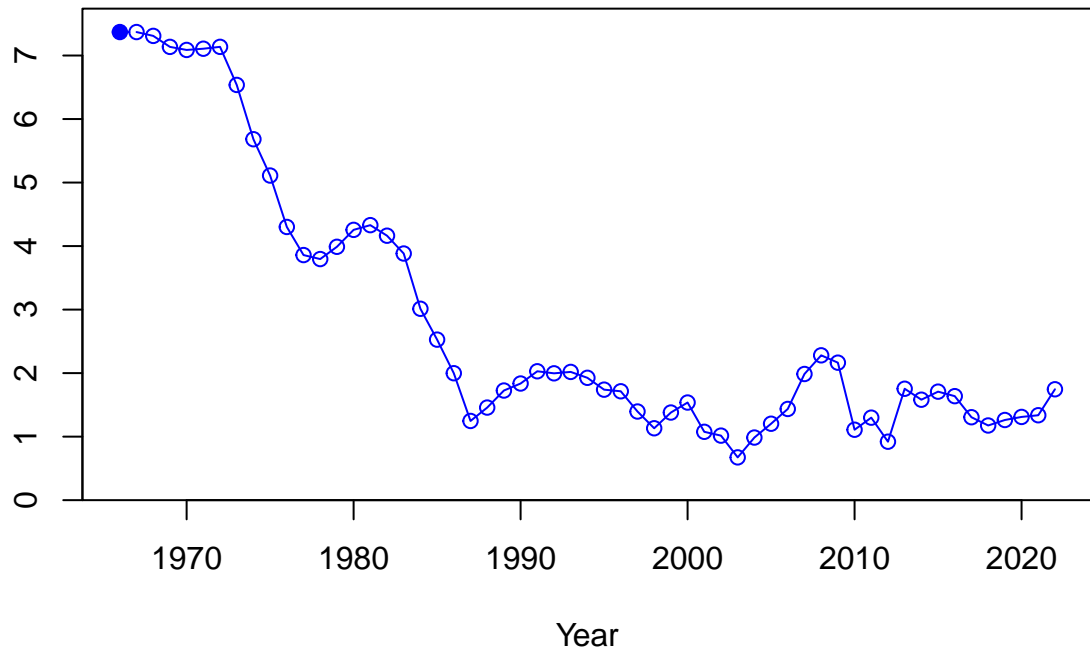
Age (yr)

Selectivity

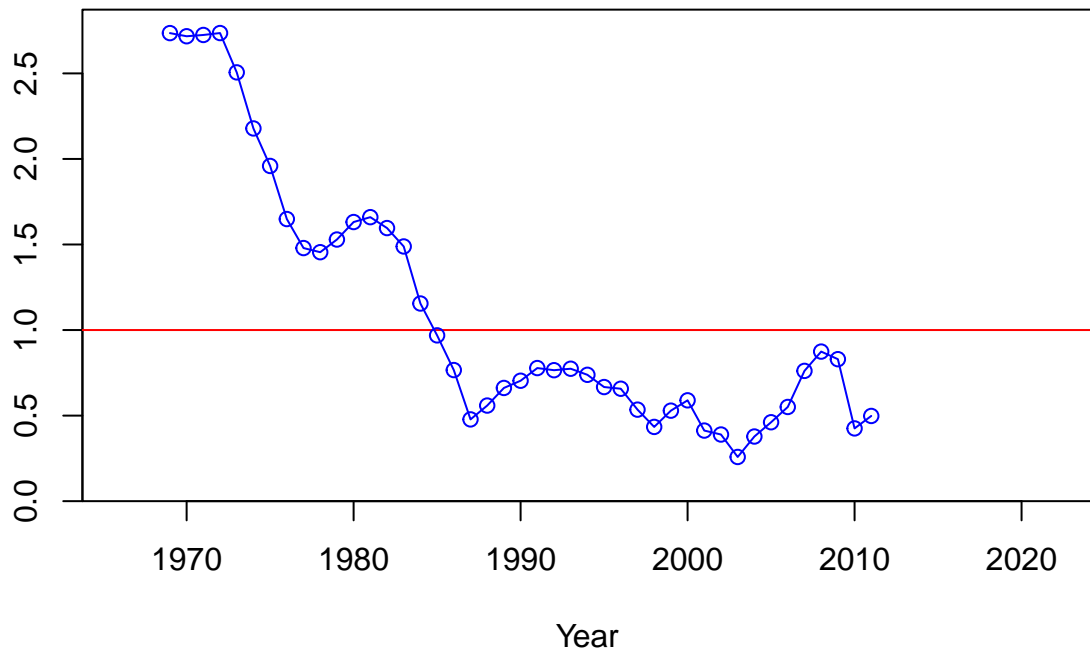


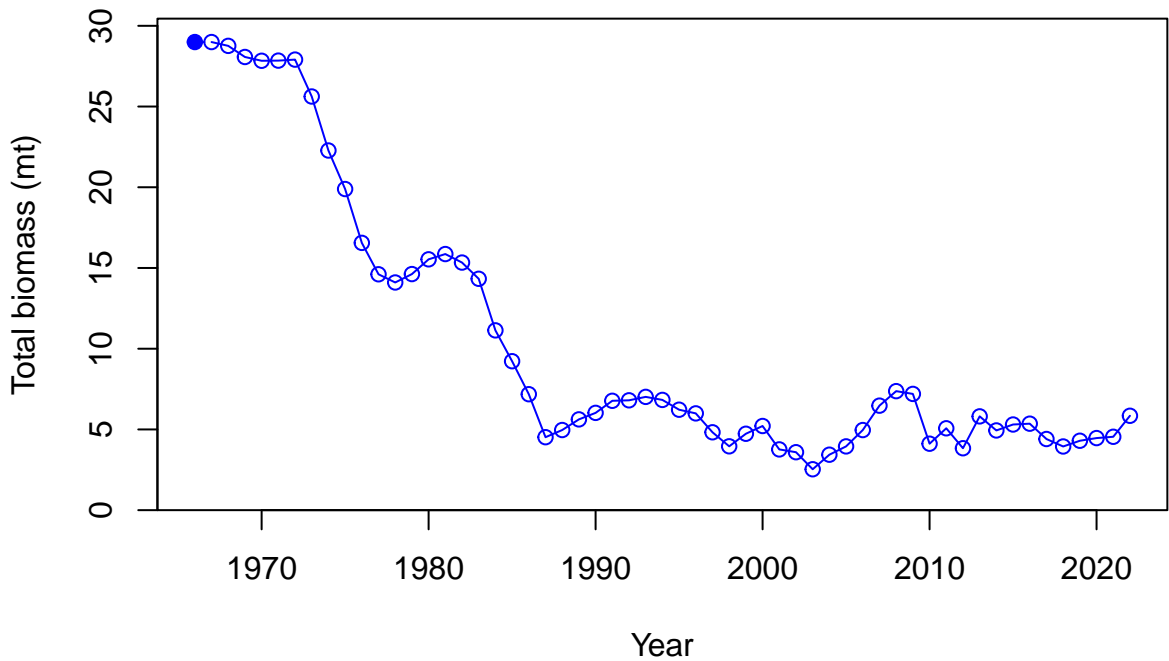


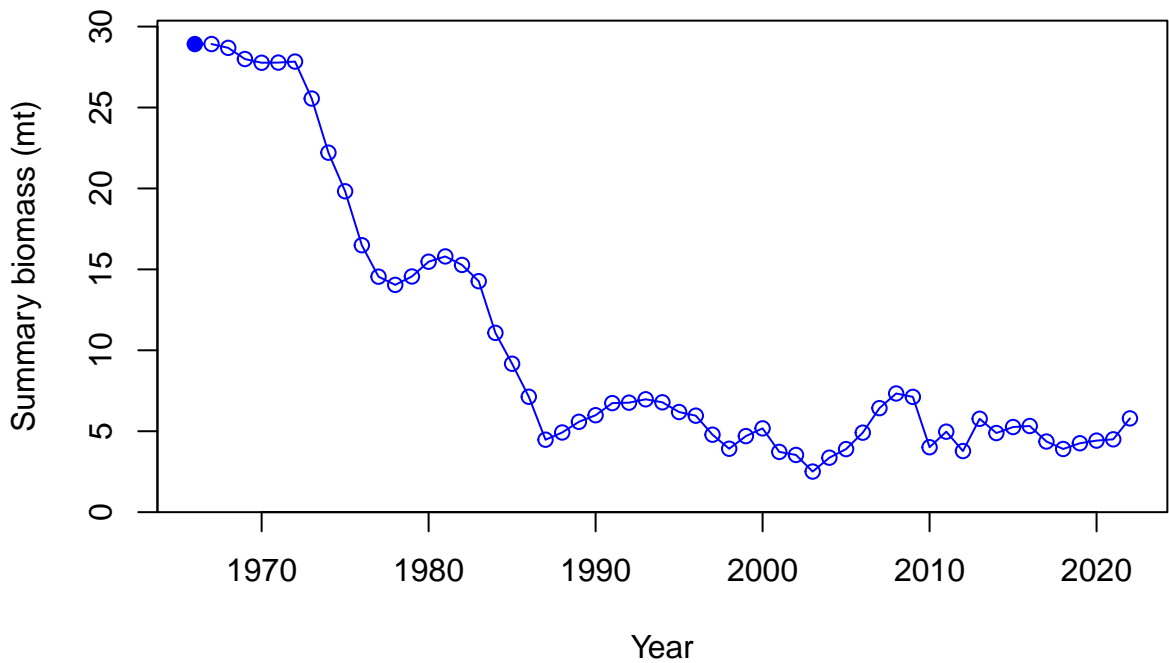
Spawning output



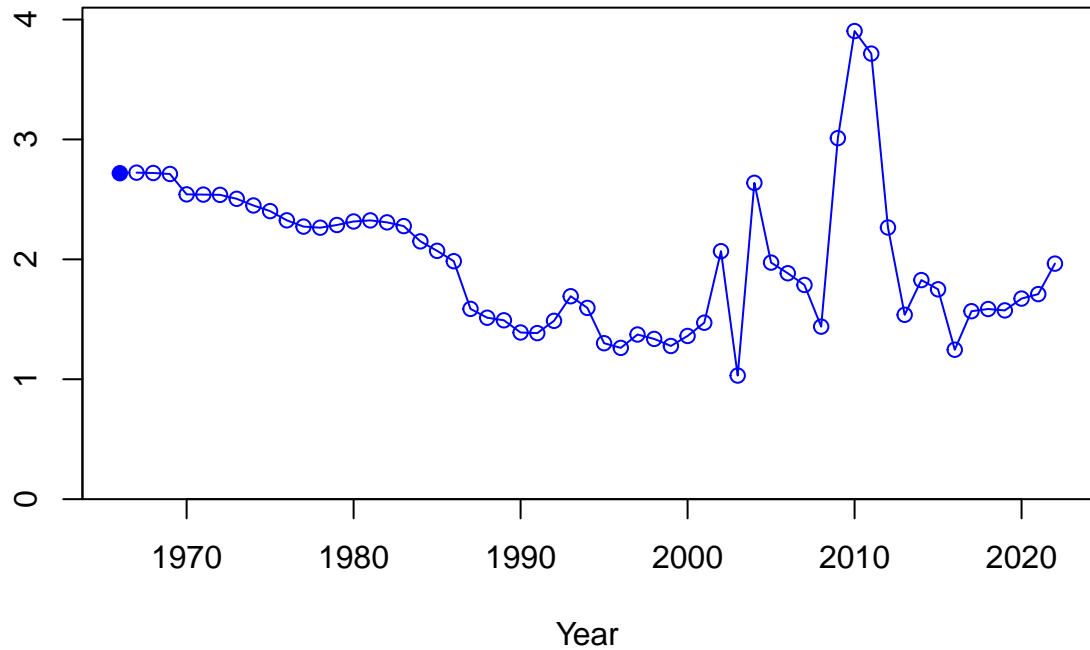
Relative spawning output: B/B_MSY



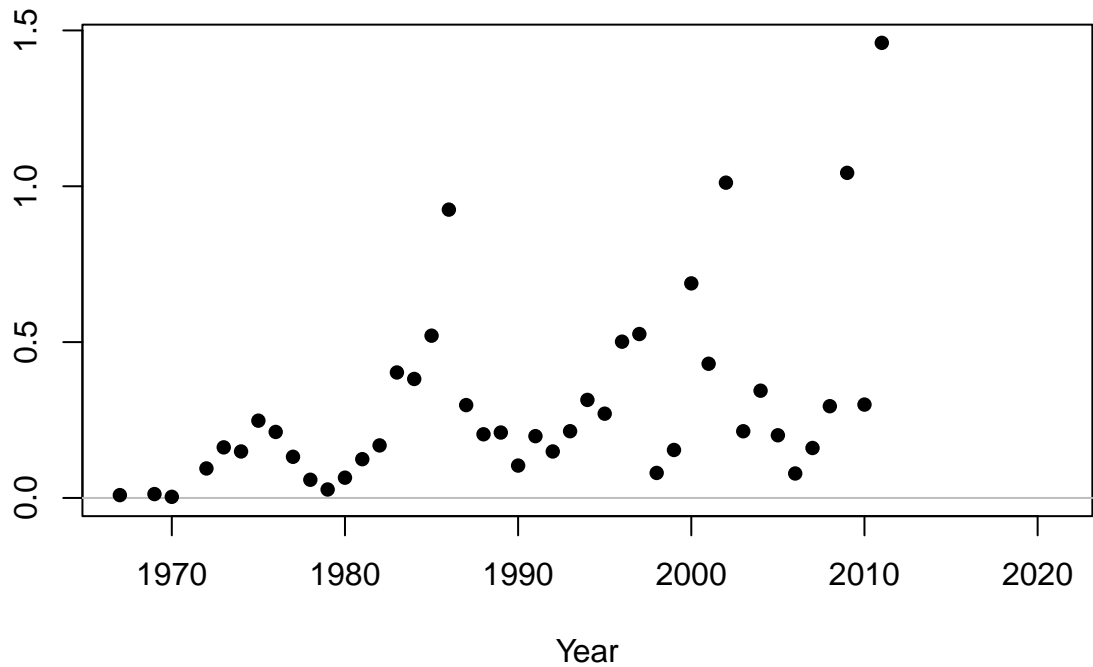




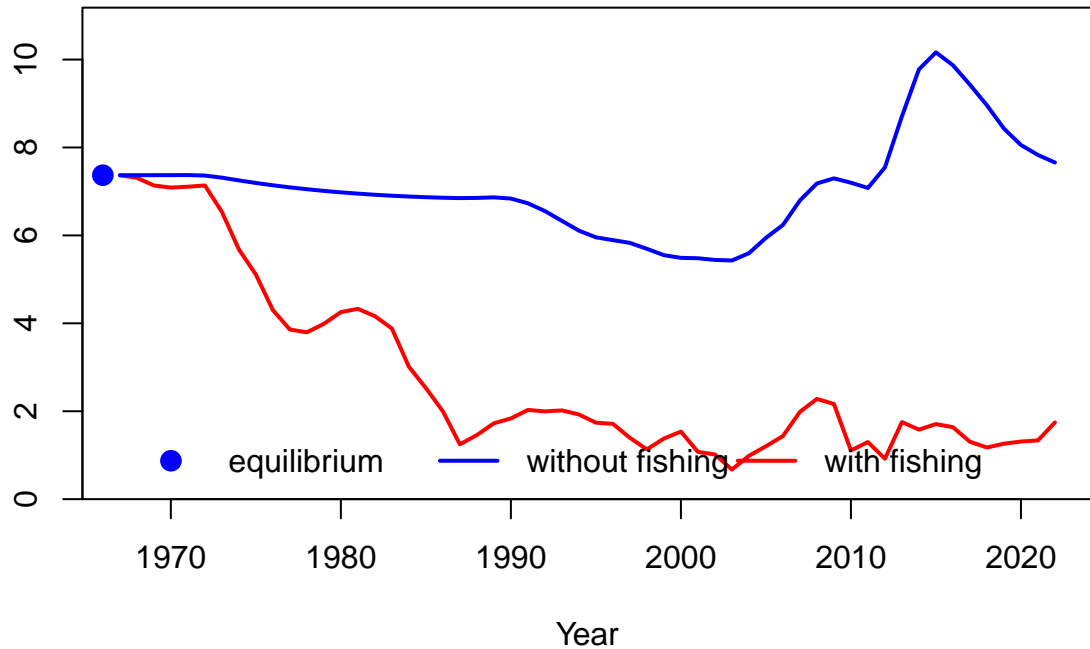
Age-0 recruits (1,000s)



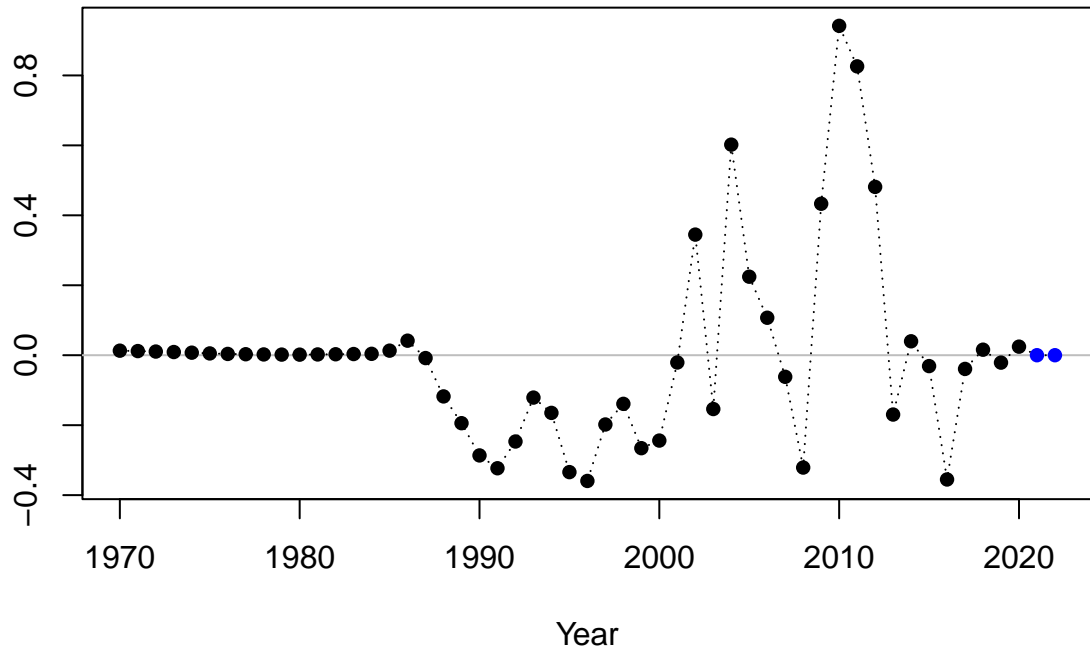
Summary Fishing Mortality

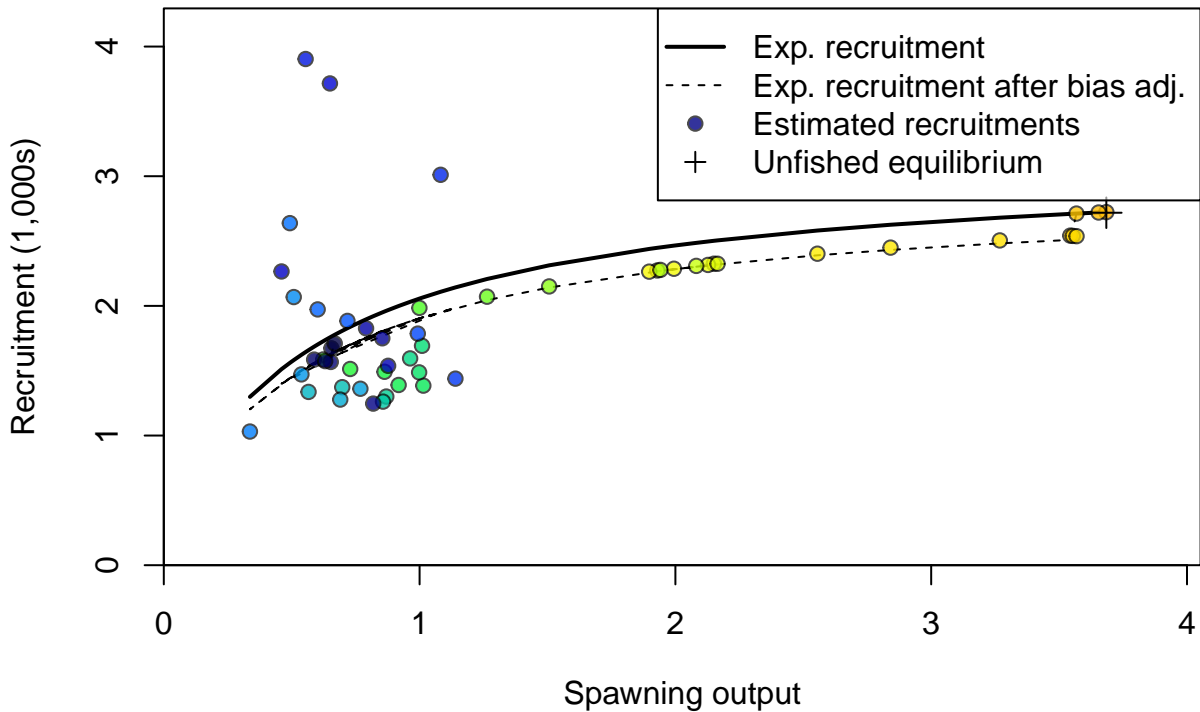


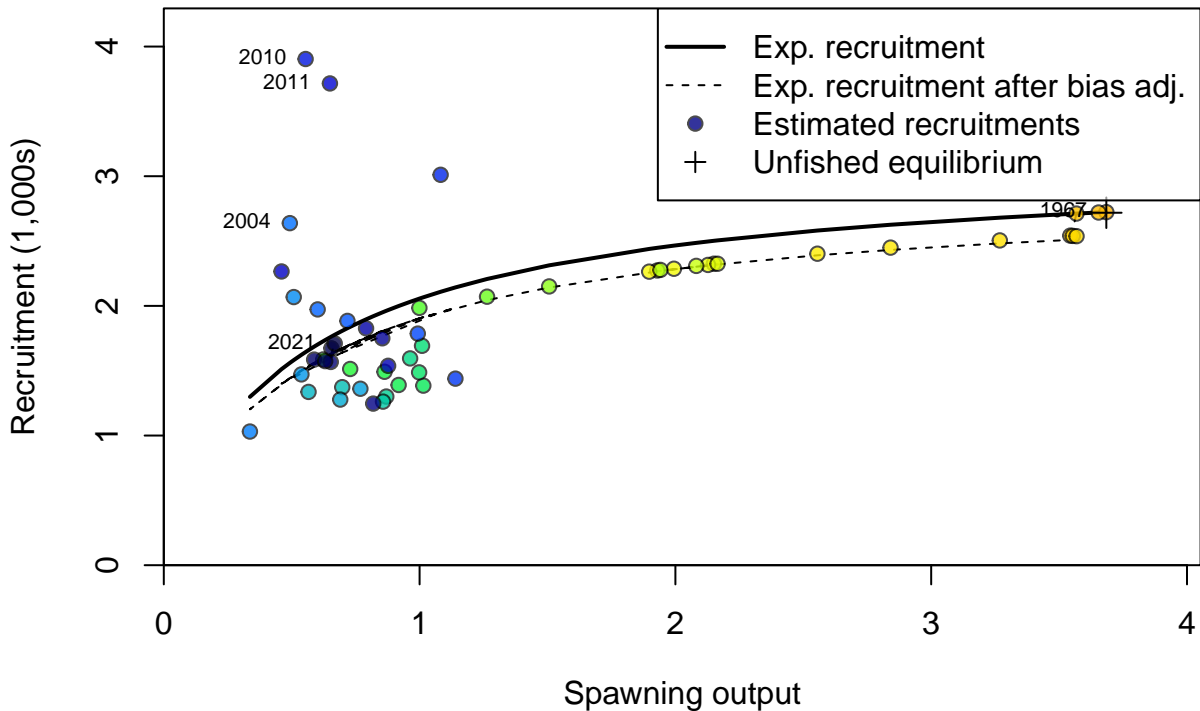
Spawning output



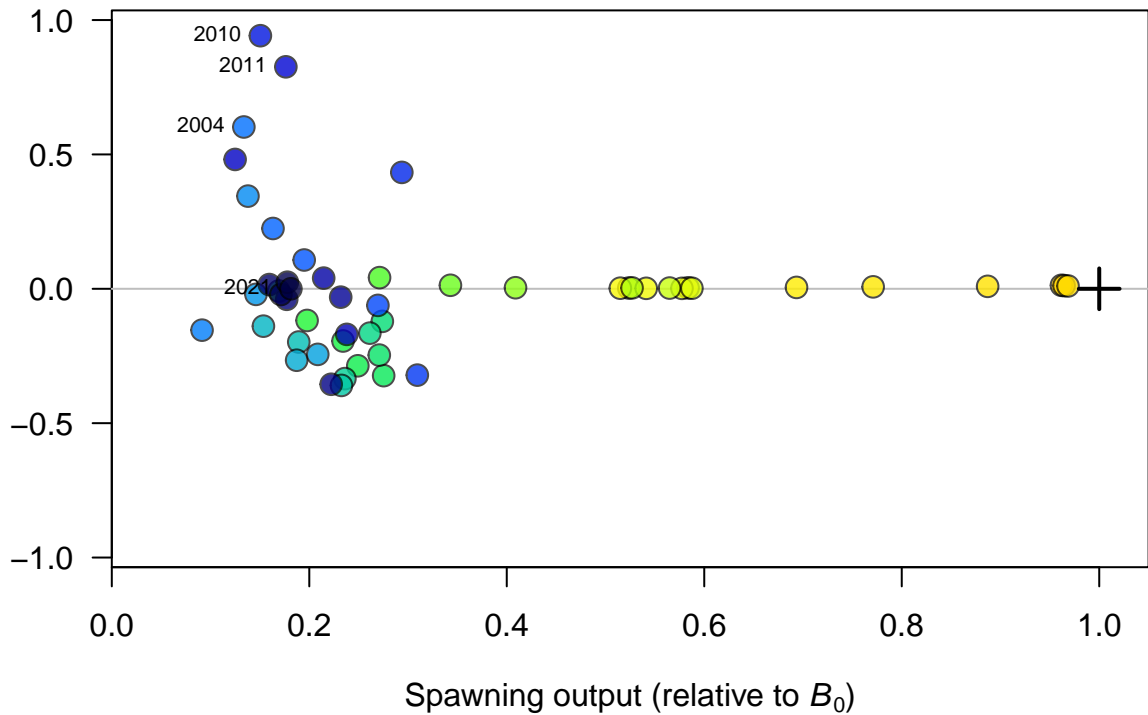
Log recruitment deviation

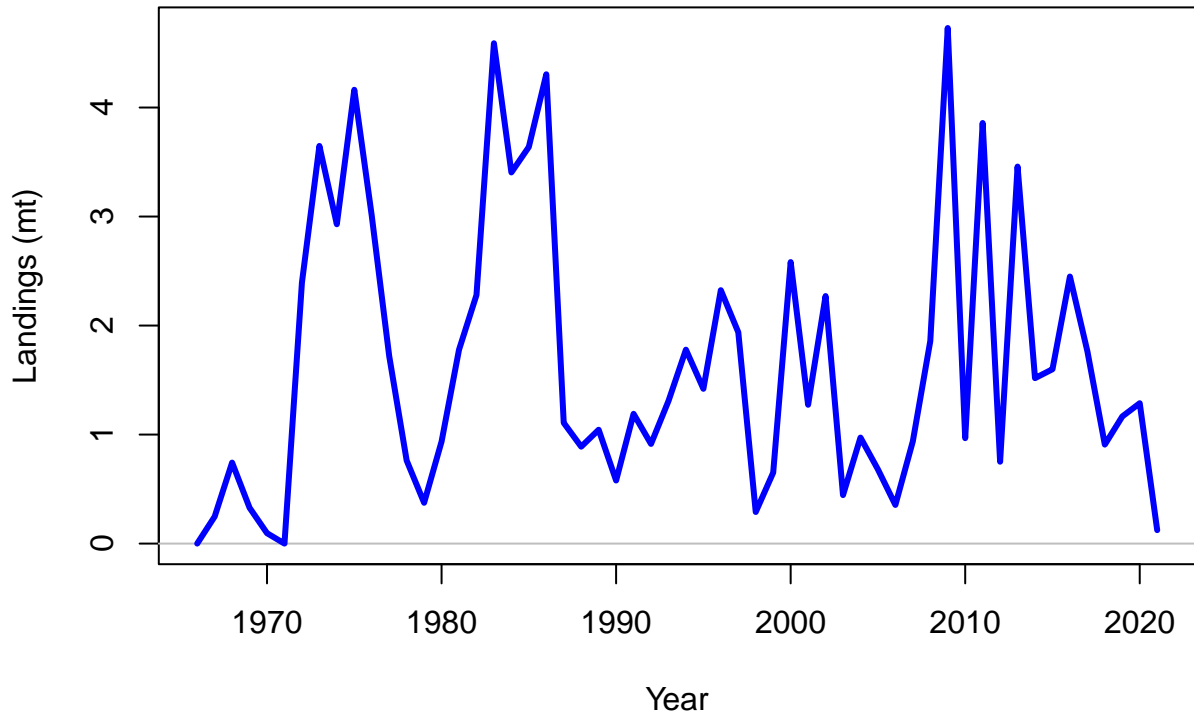


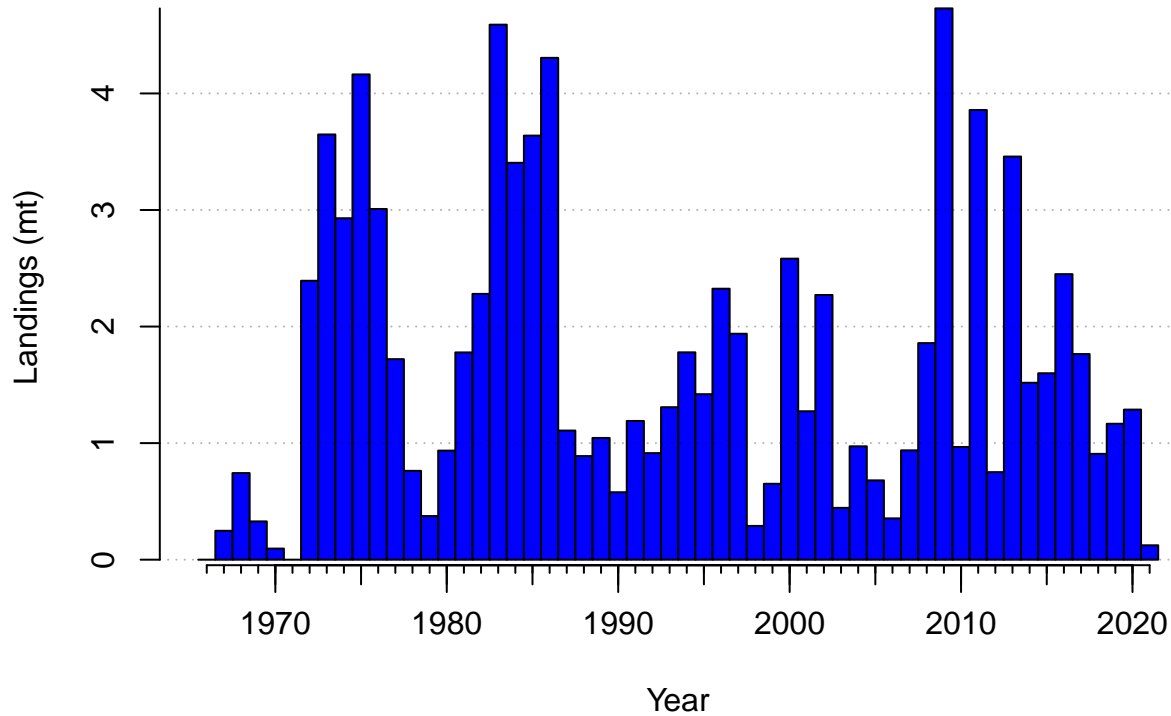




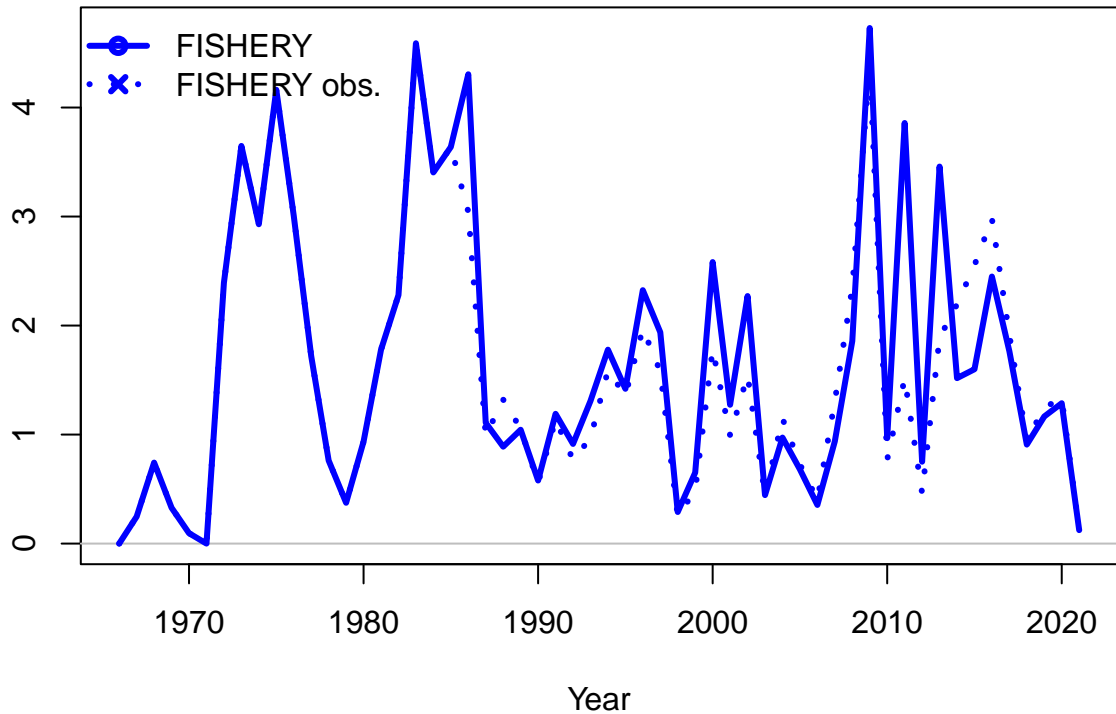
Log recruitment deviation



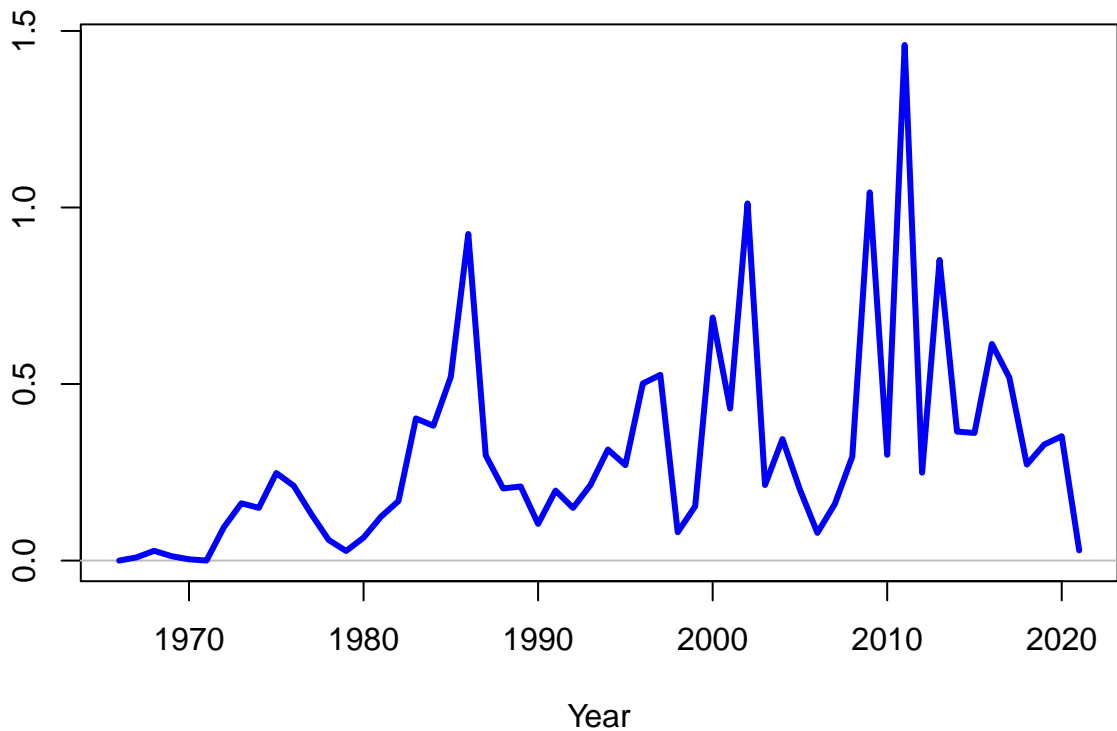




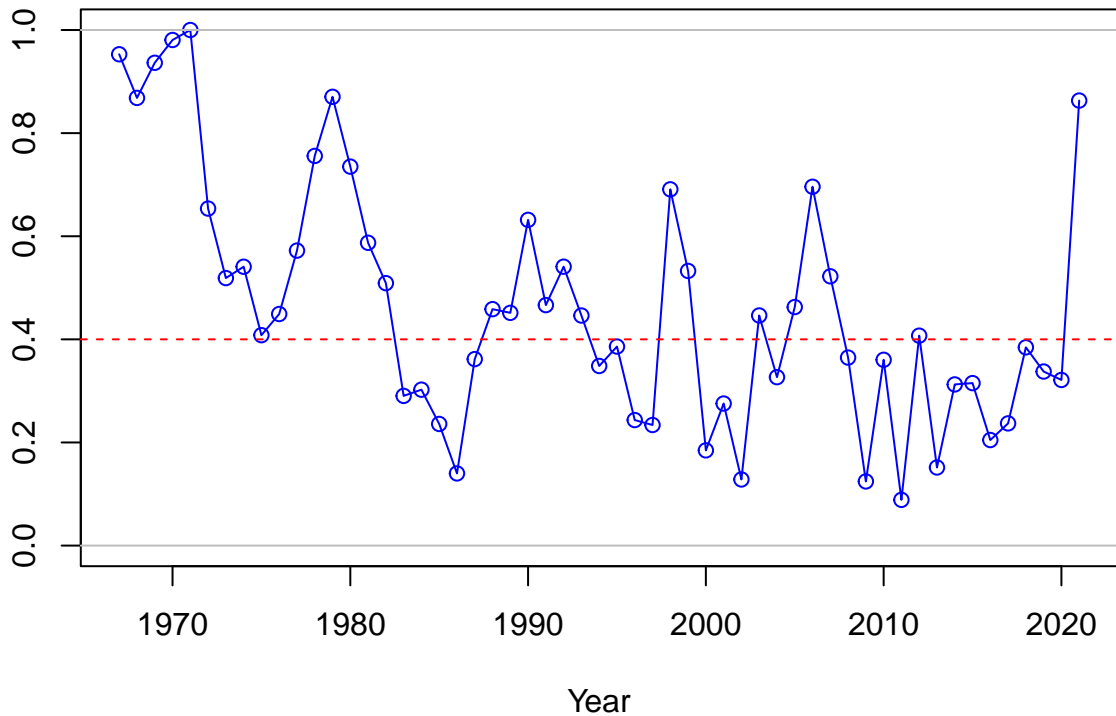
Observed and expected Landings (mt)

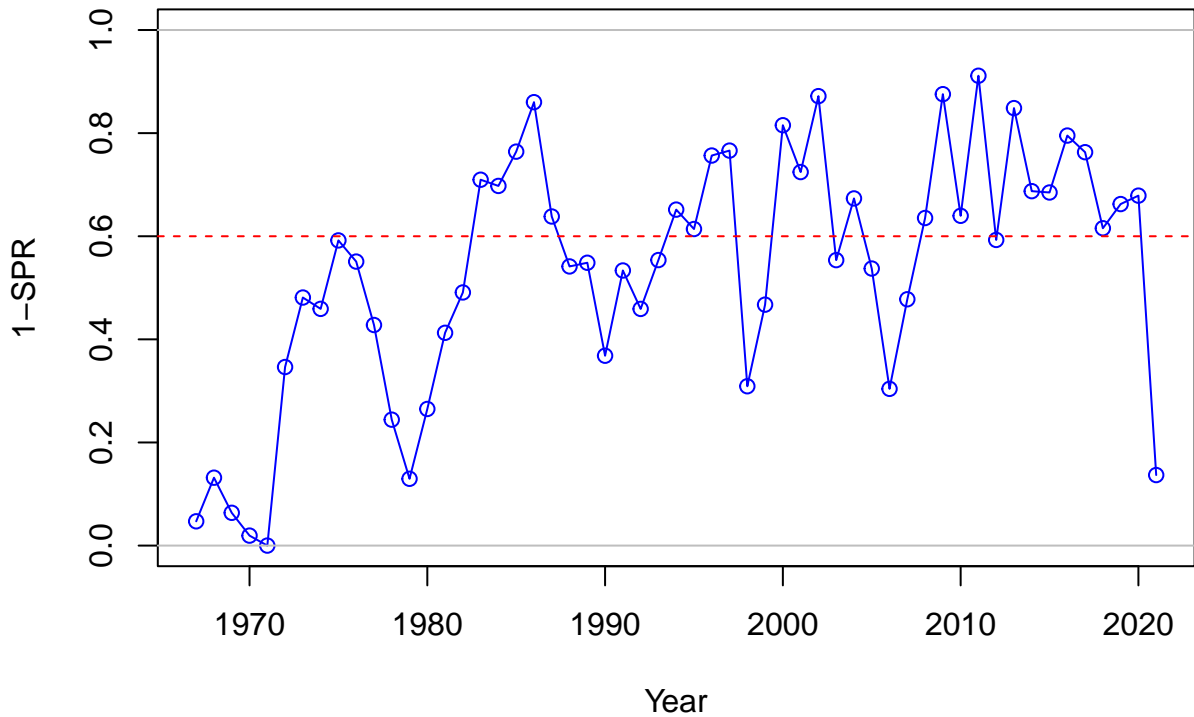


Continuous F

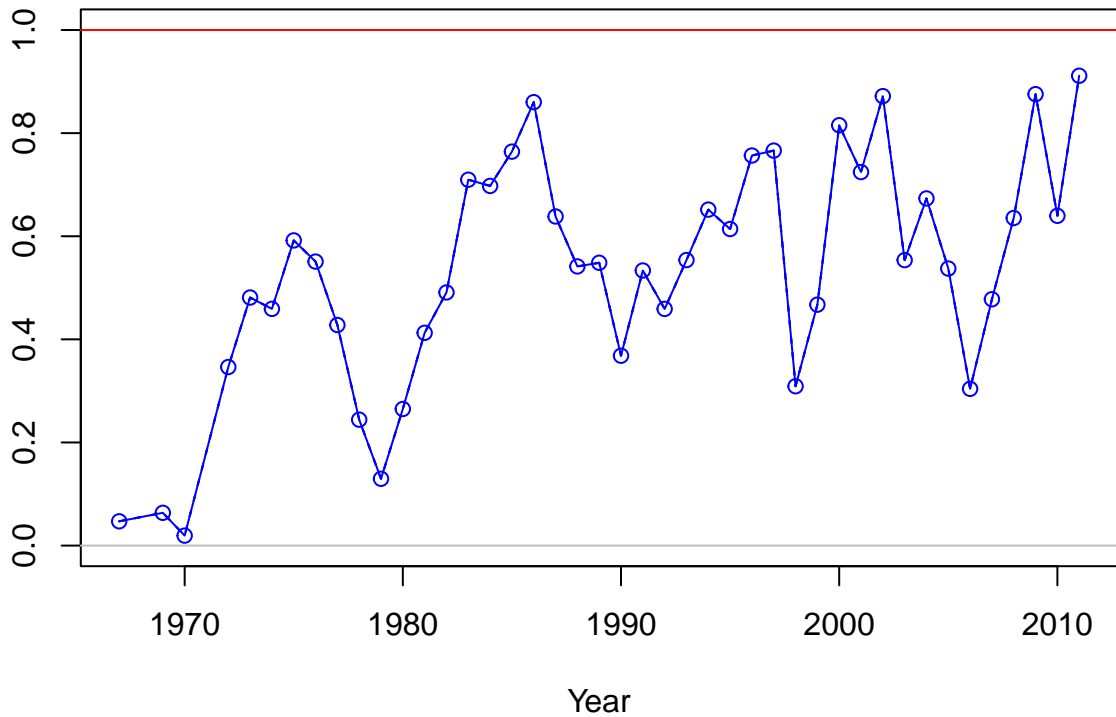


SPR

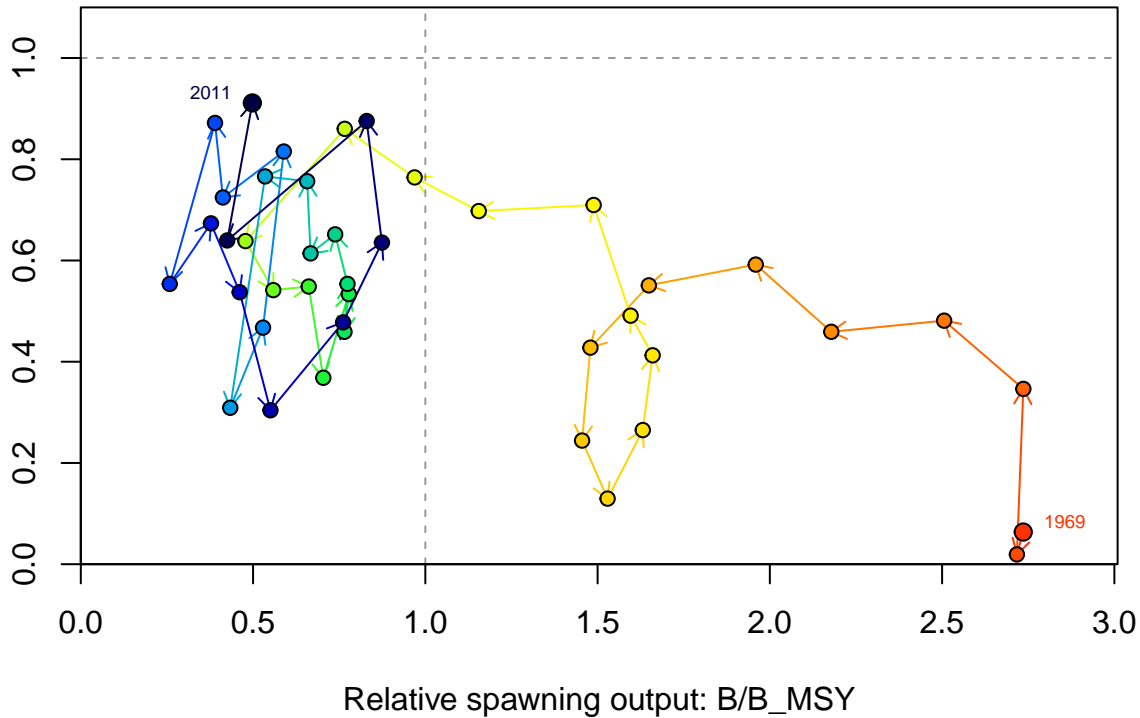




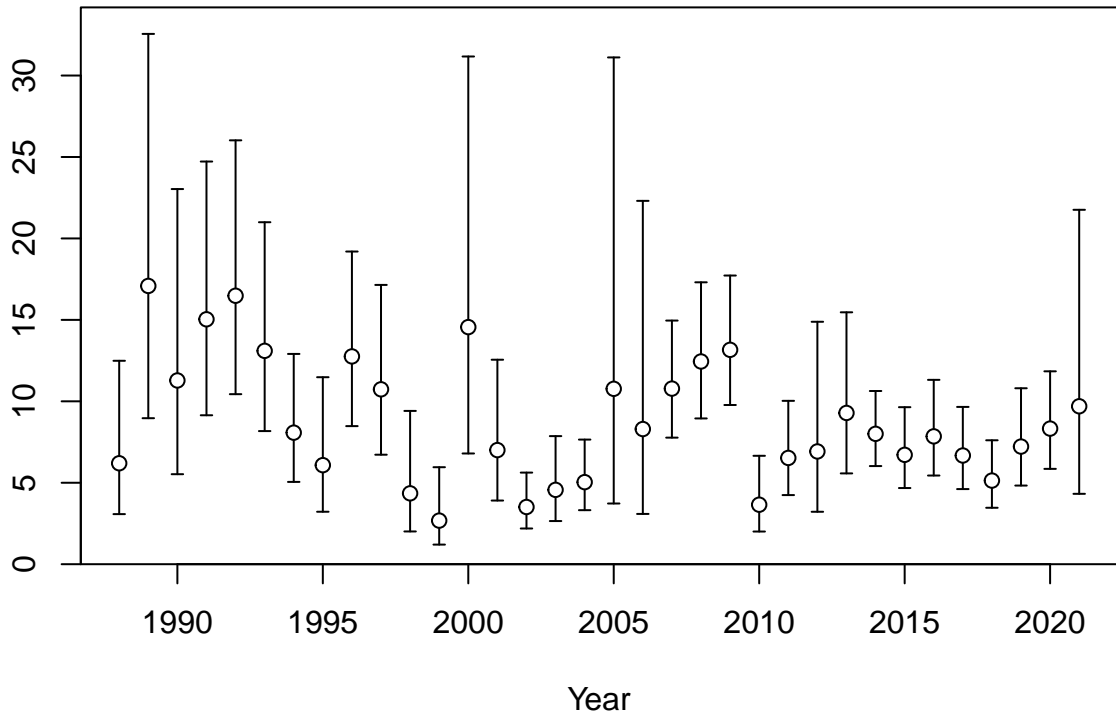
Fishing intensity: 1-SPR



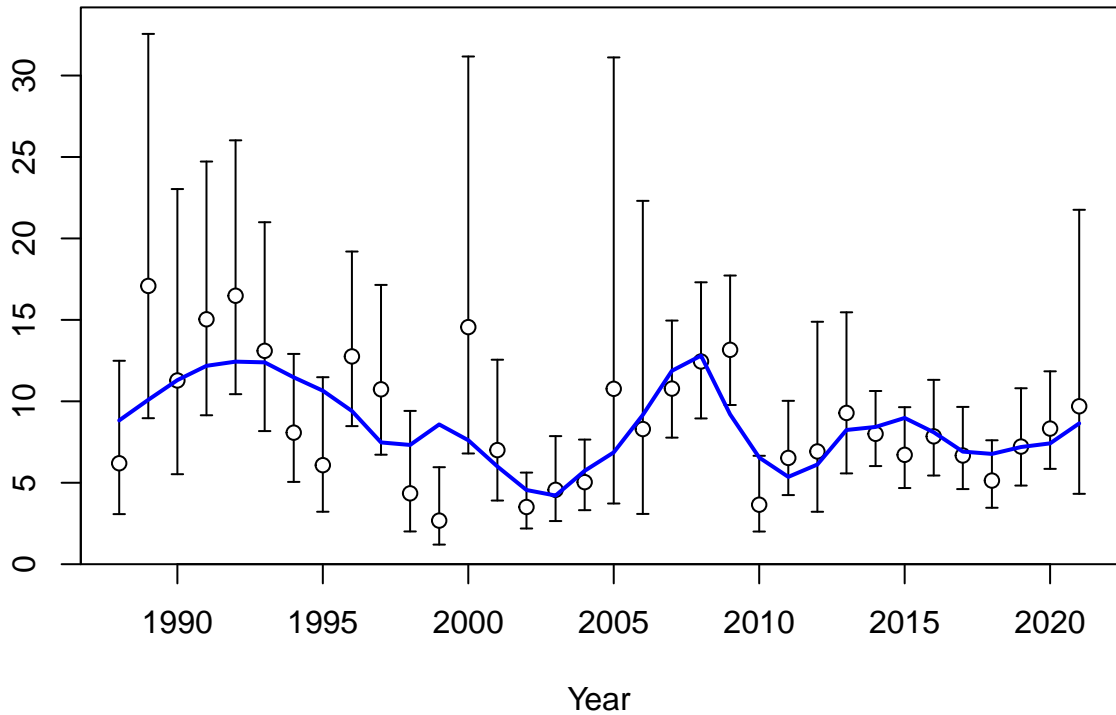
Fishing intensity: 1-SPR

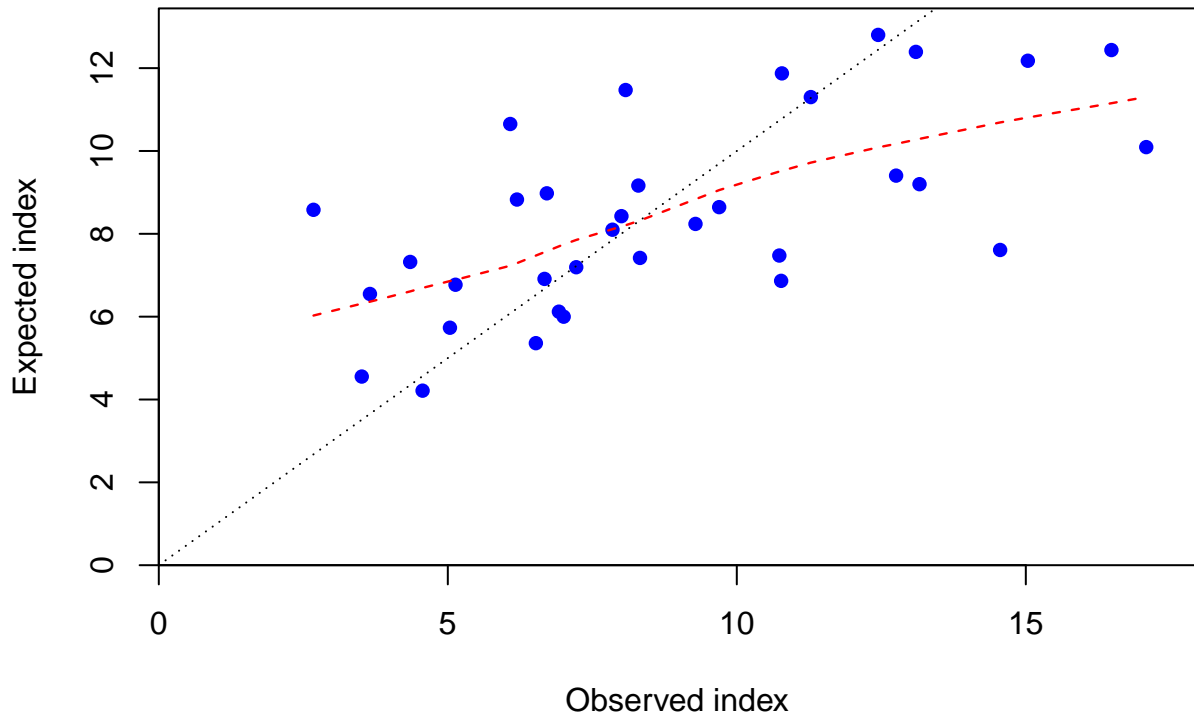


Index

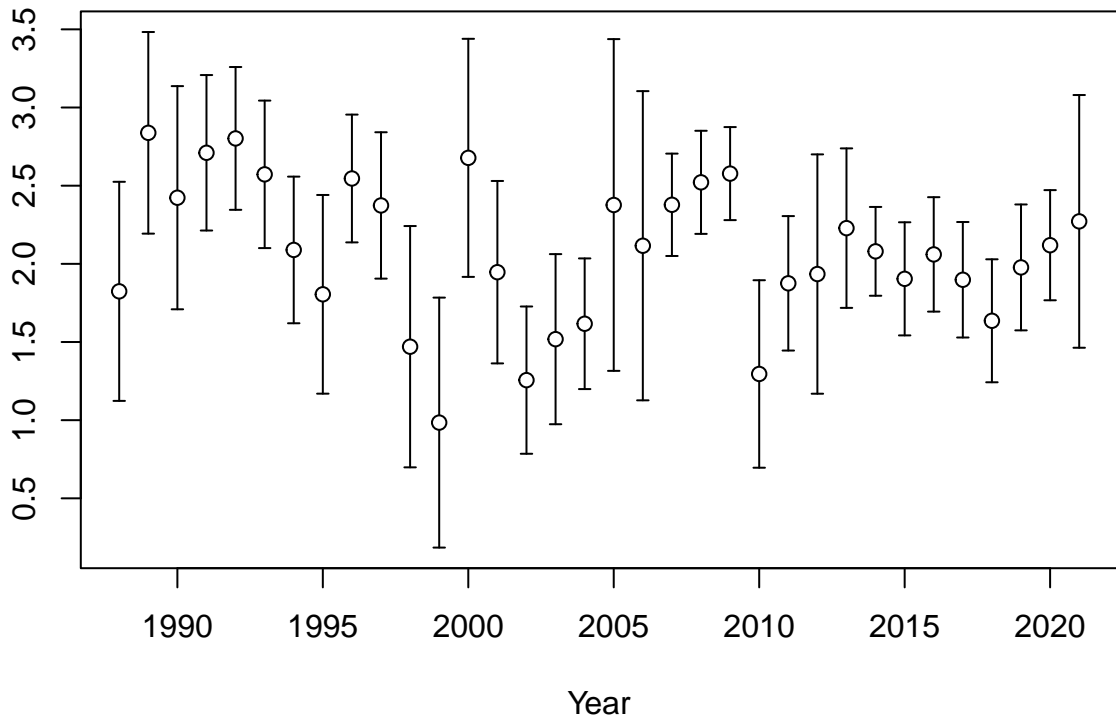


Index

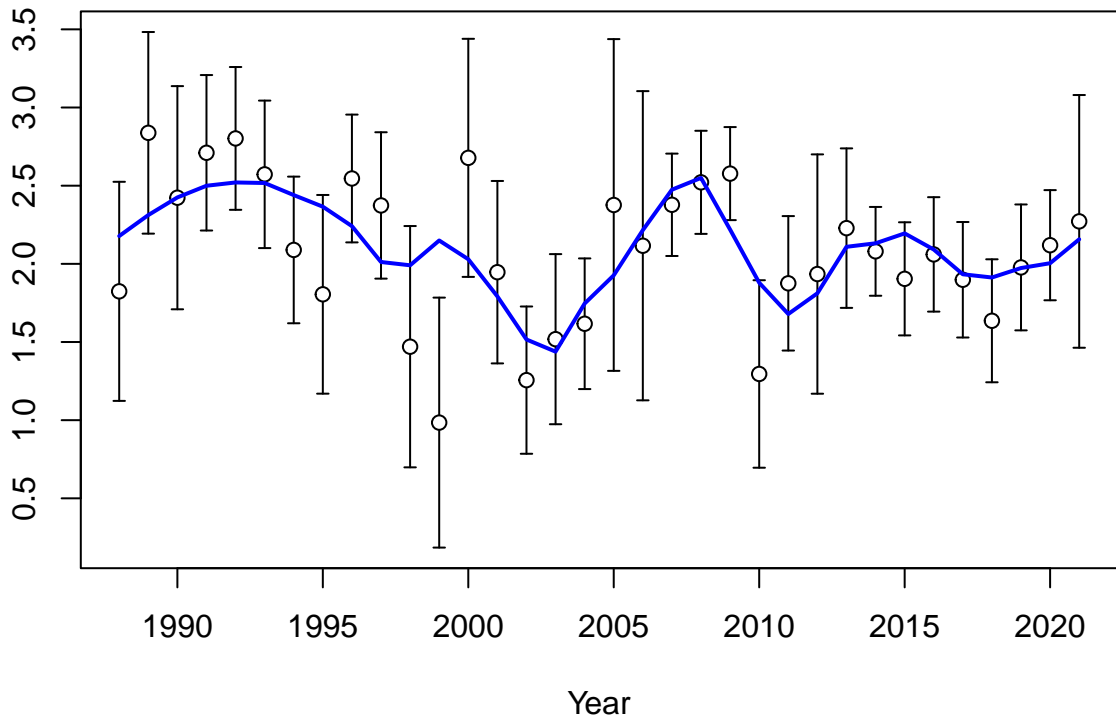


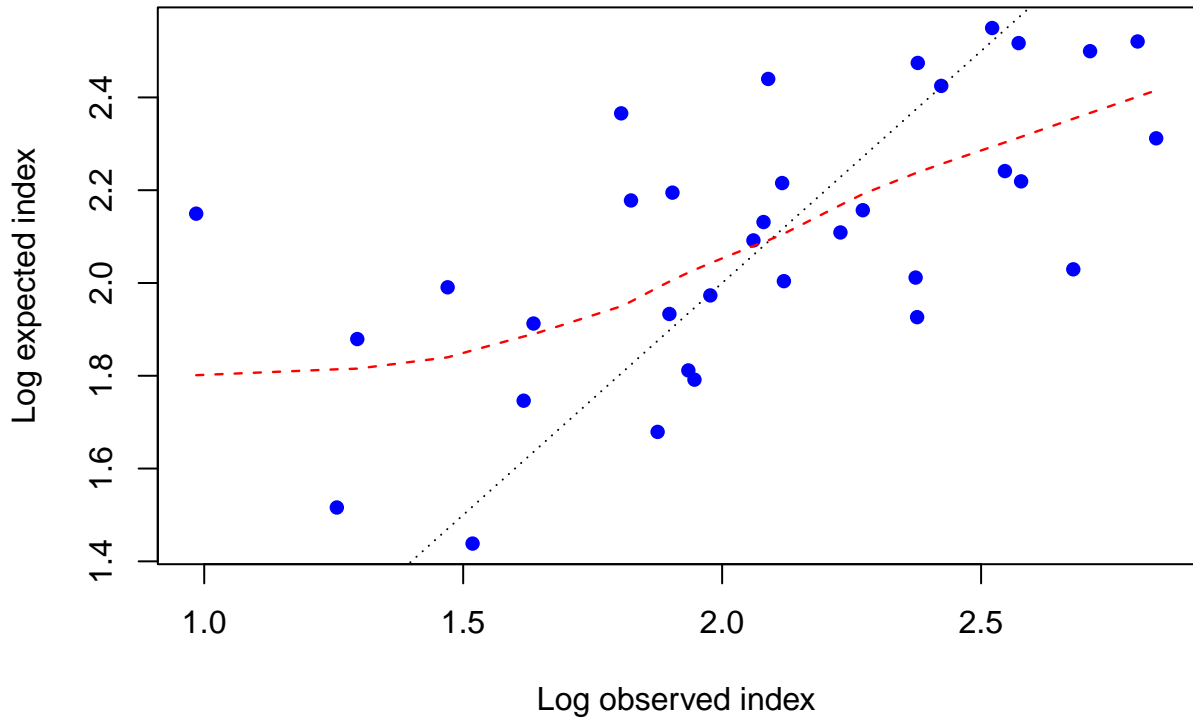


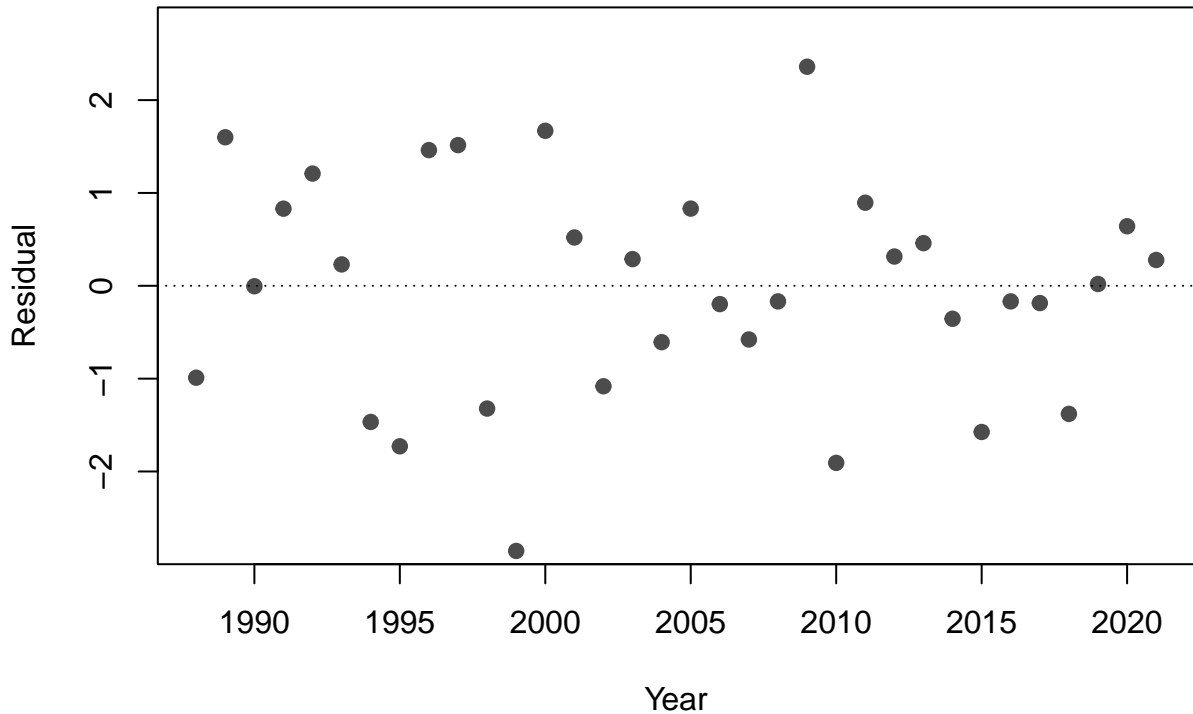
Log index

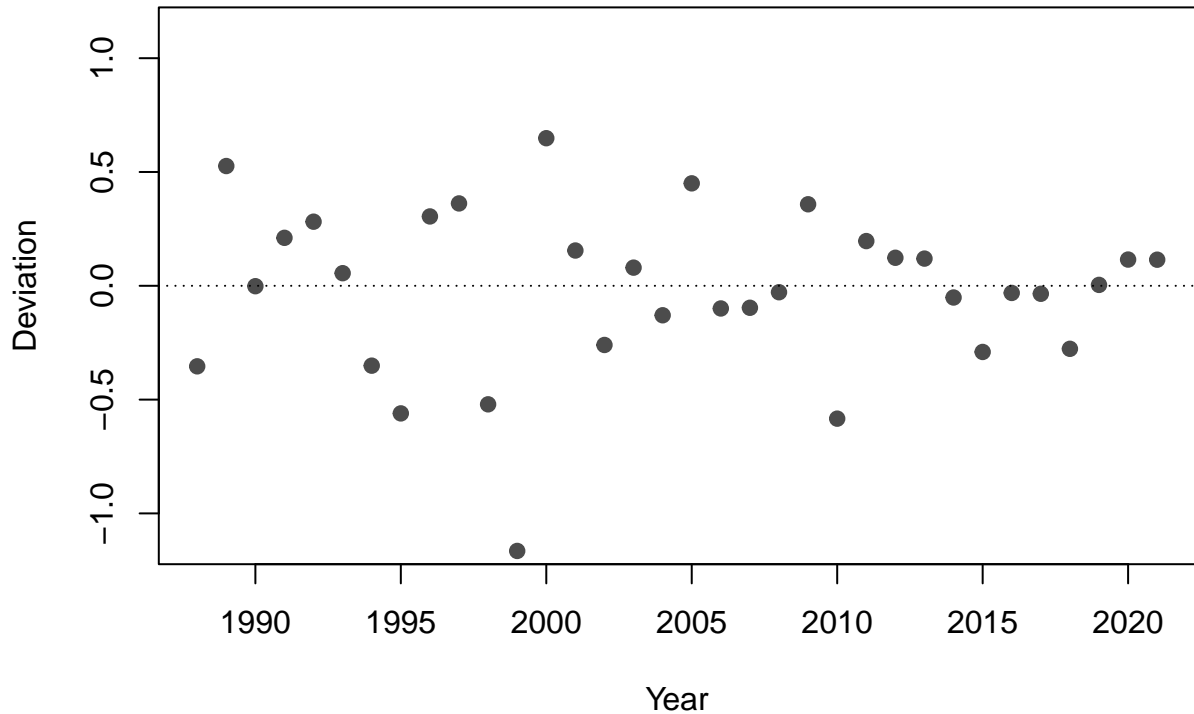


Log index

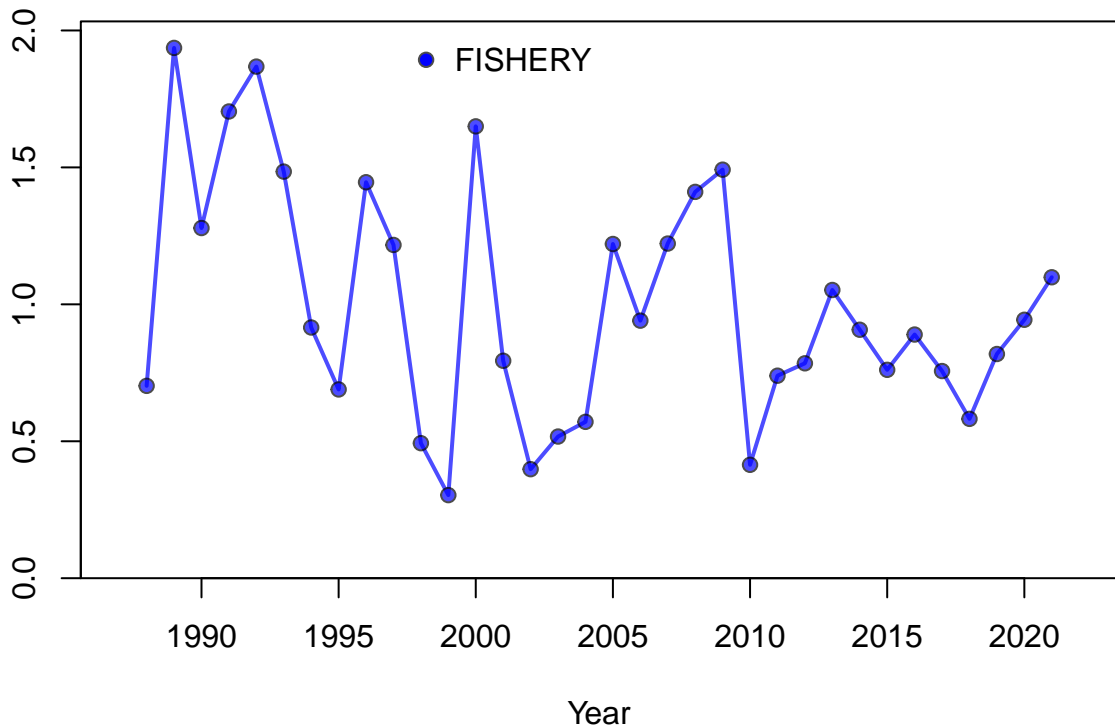


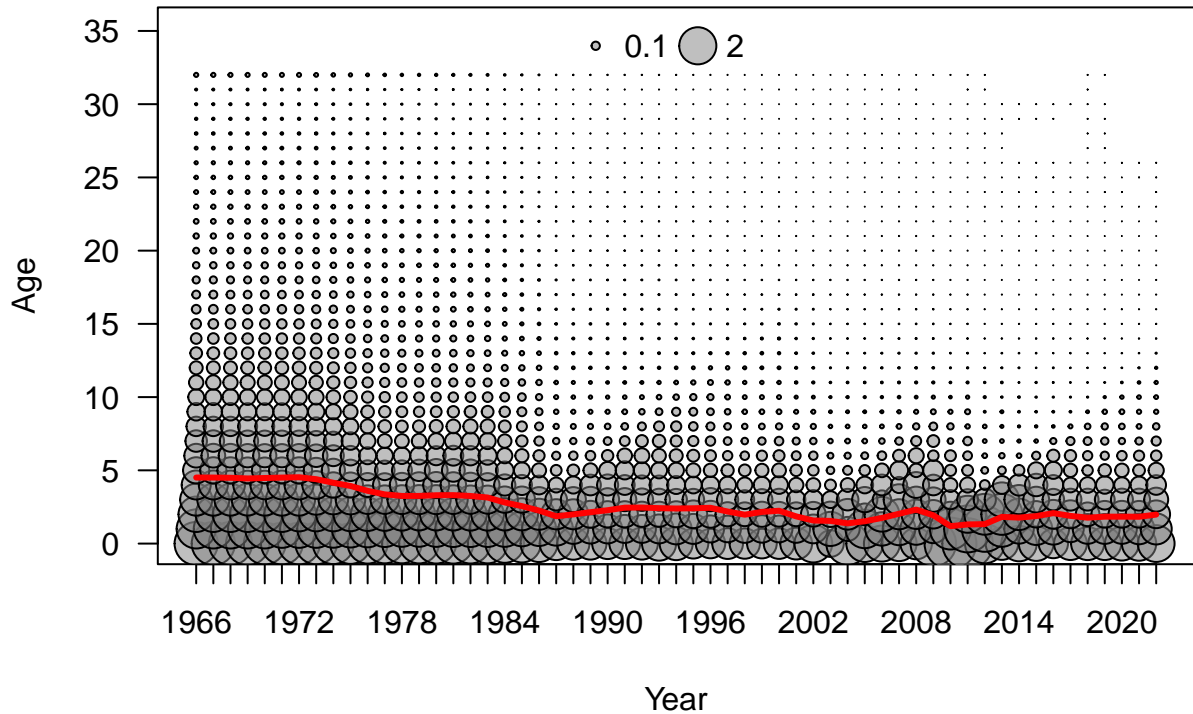


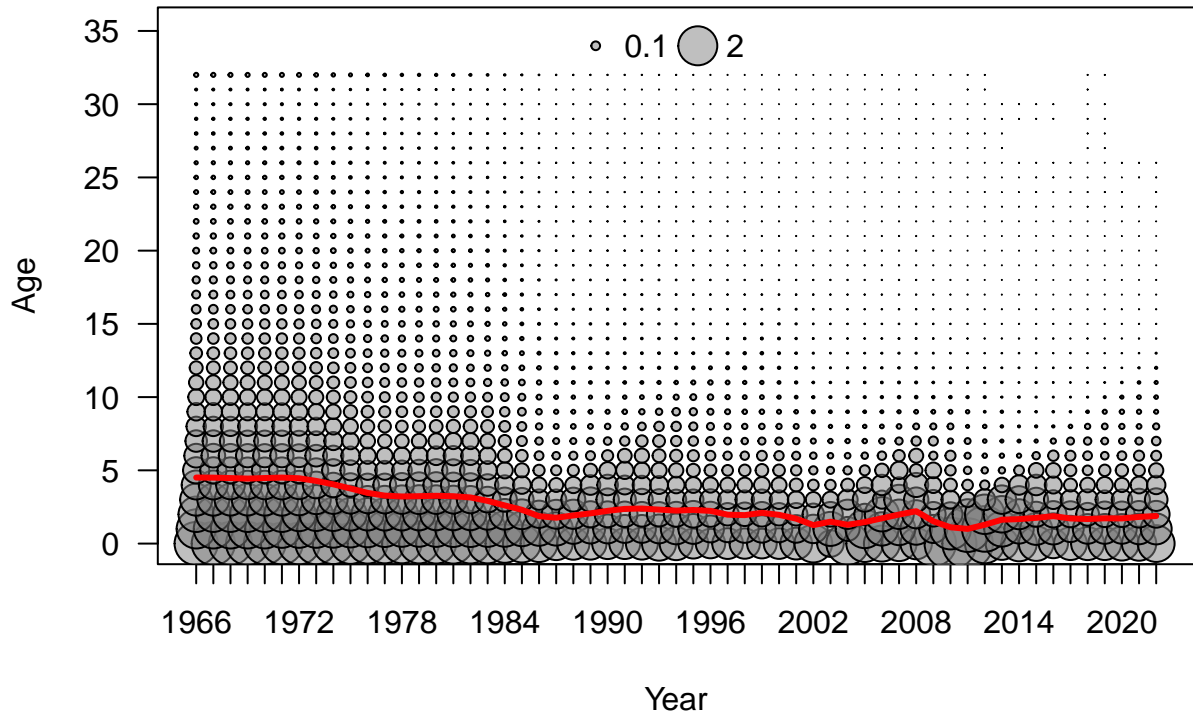




Standardized index







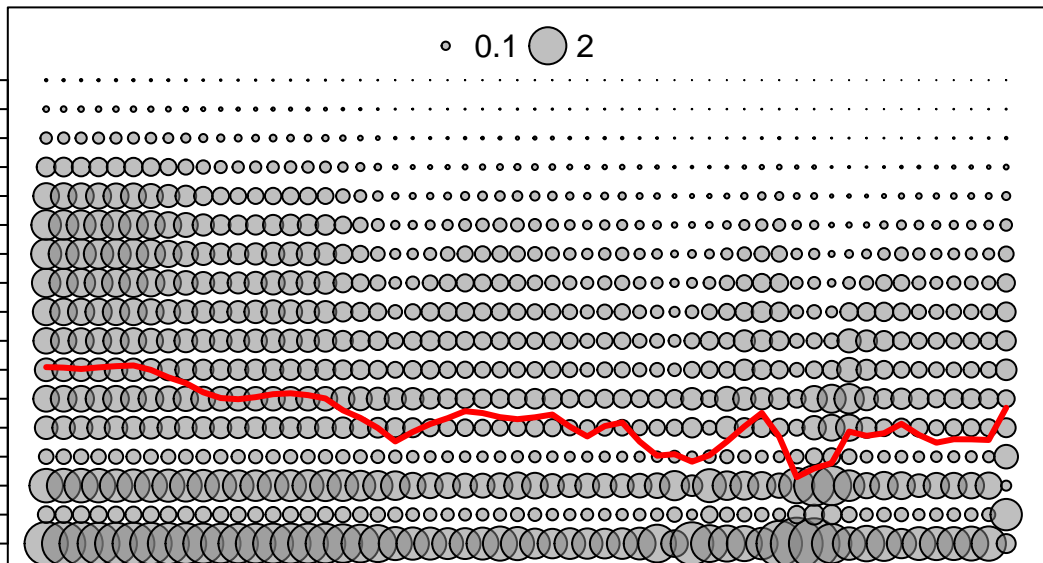
Length

◦ 0.1 ● 2

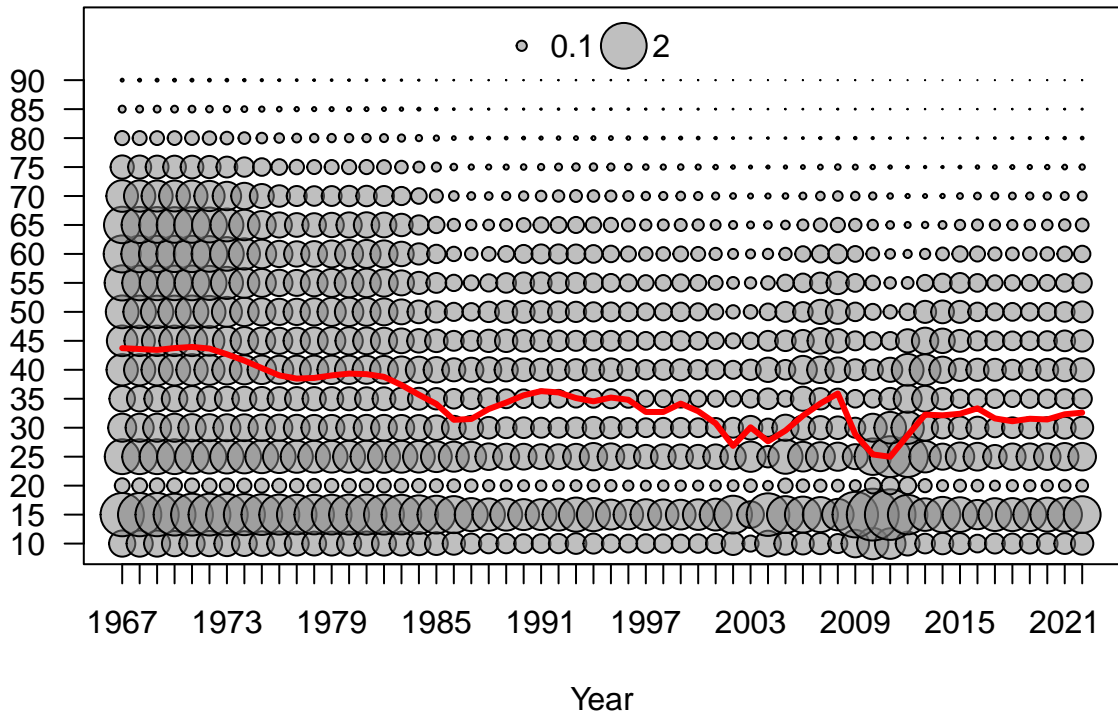
90
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75
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65
60
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25
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15
10

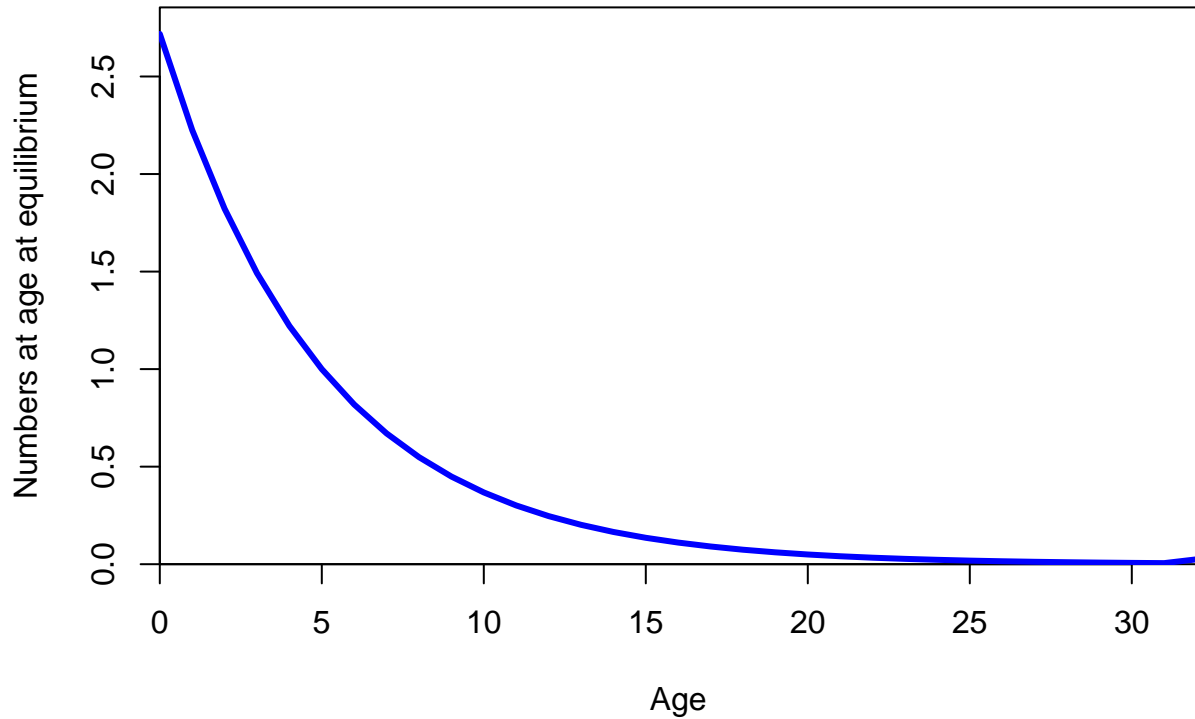
1967 1973 1979 1985 1991 1997 2003 2009 2015 2021

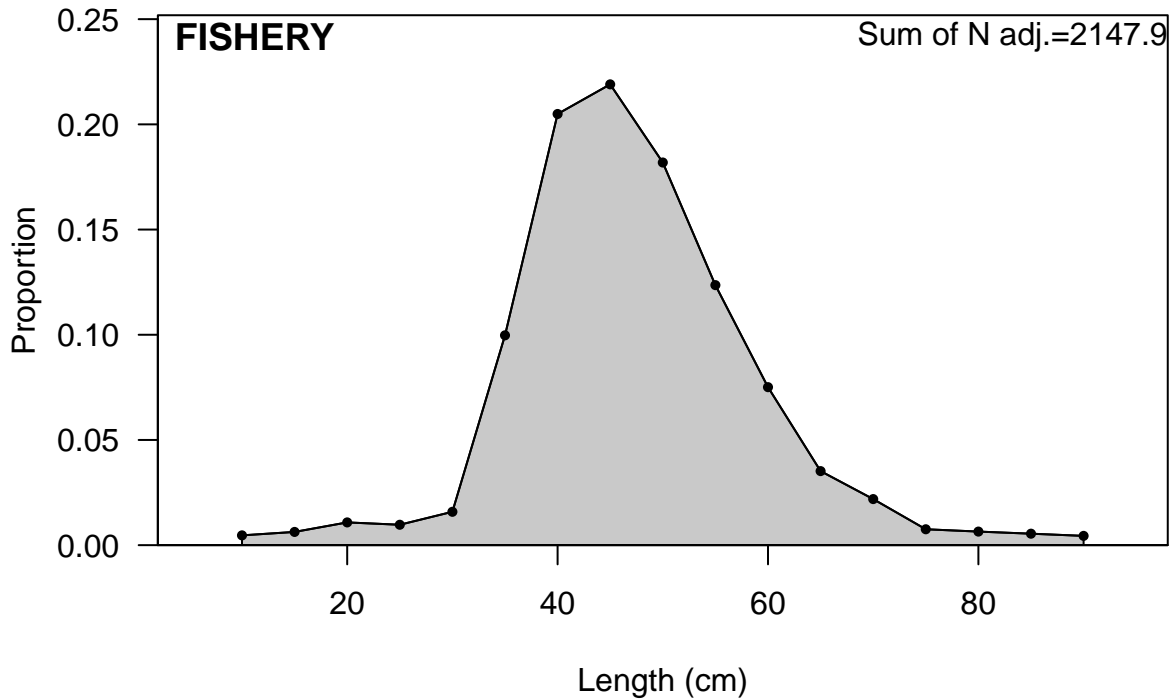
Year



Length

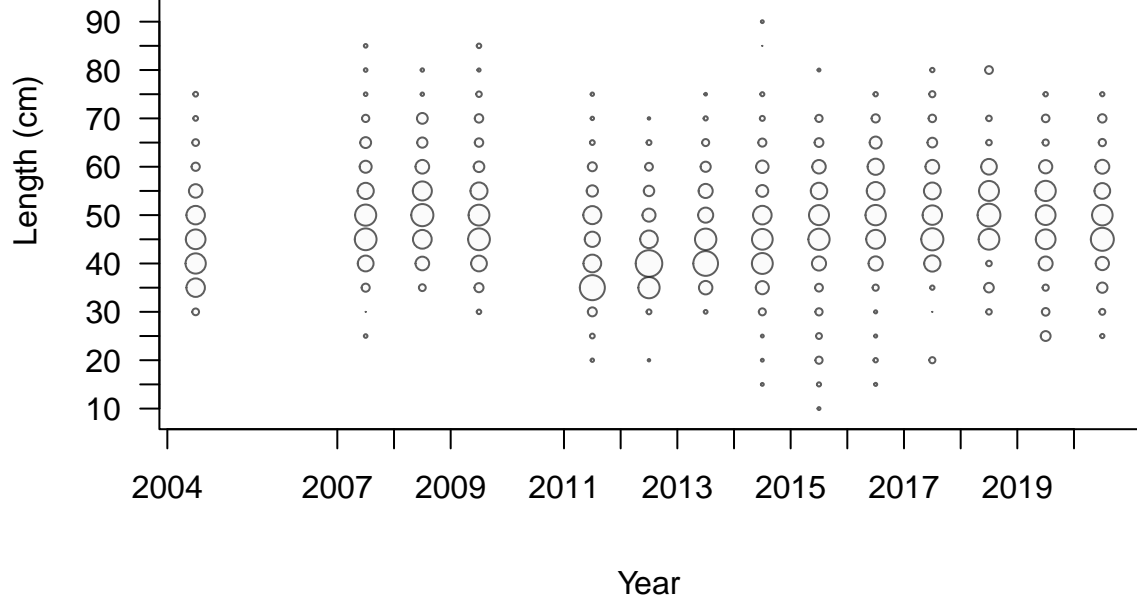




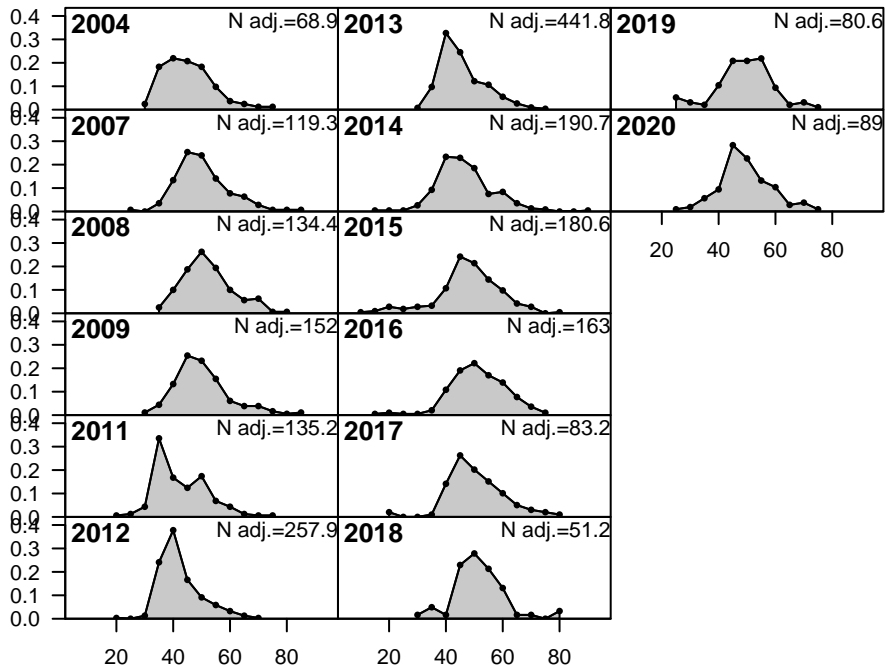


FISHERY

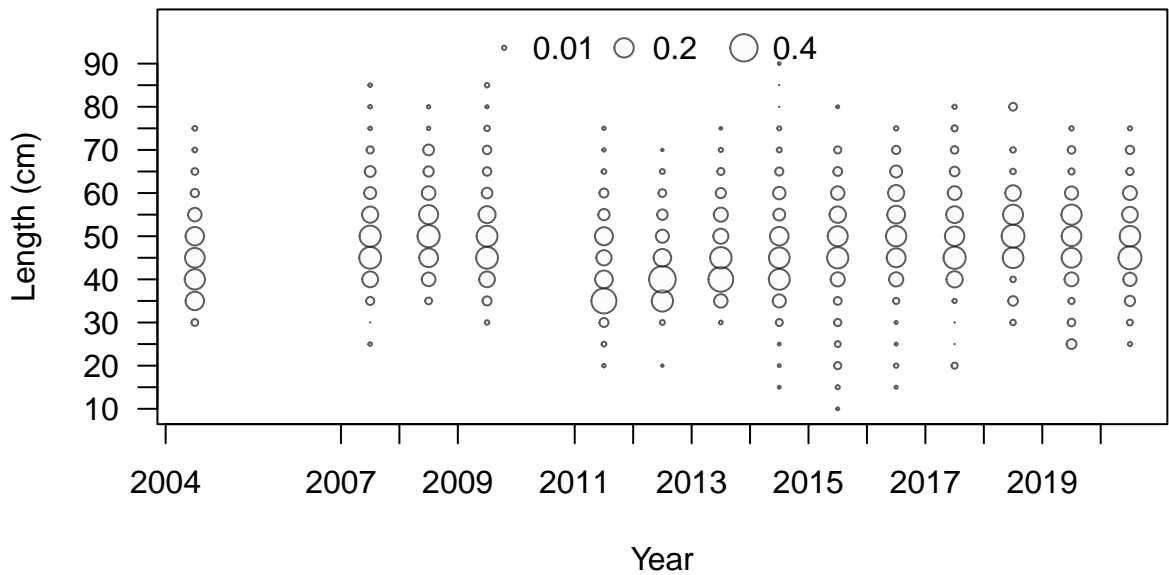
• 0.01 ○ 0.2 ○ 0.4



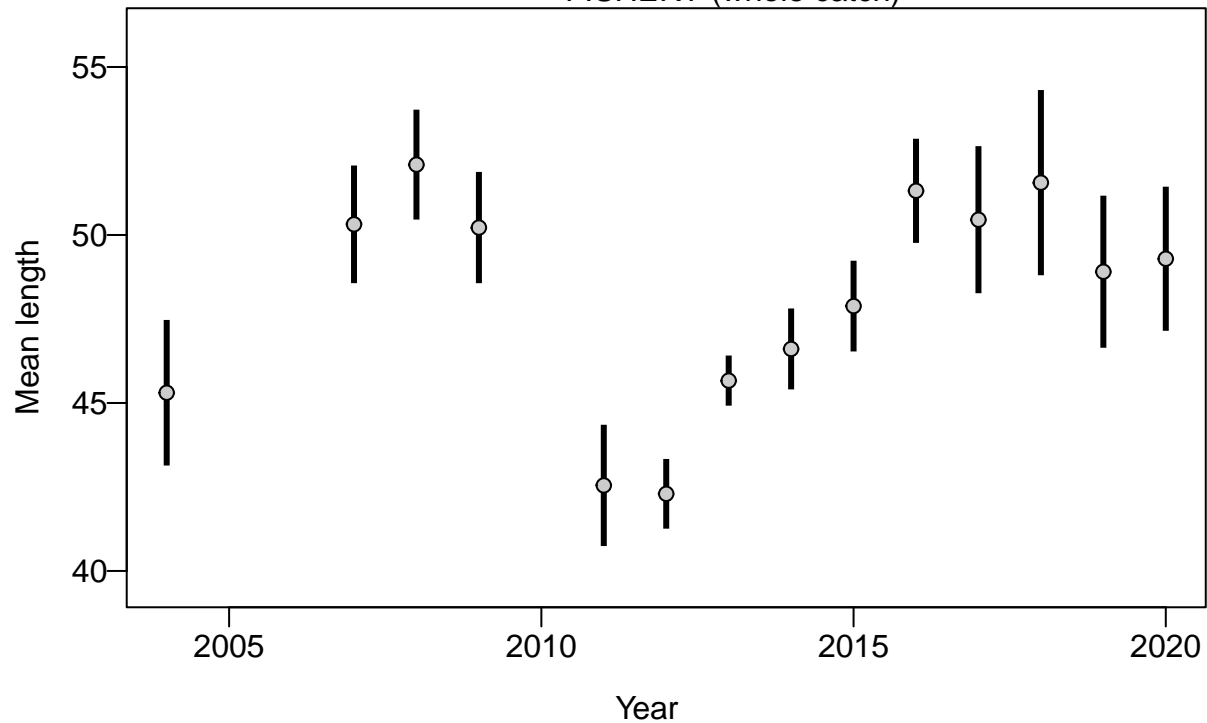
Proportion

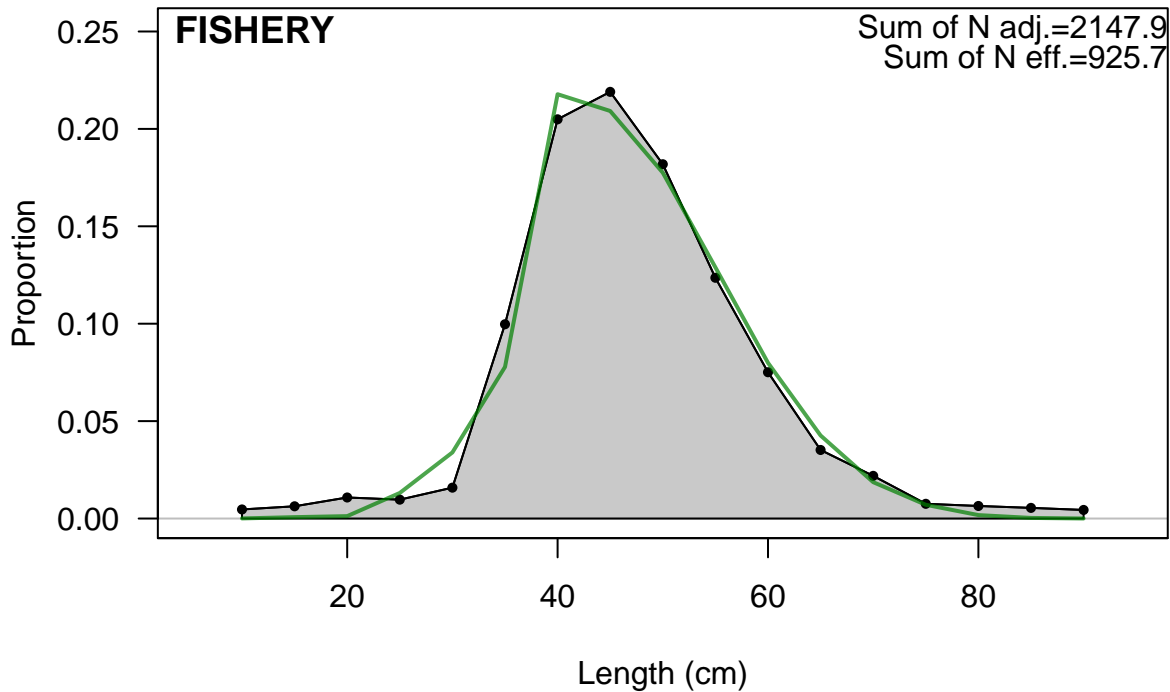


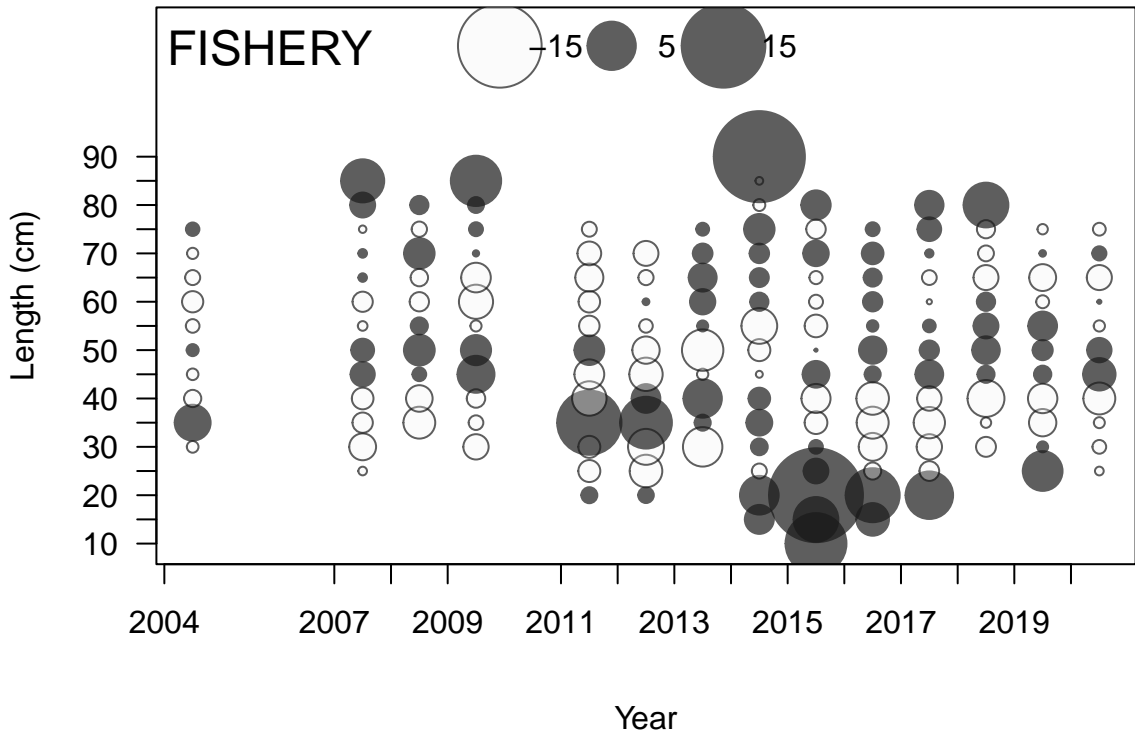
Length (cm)



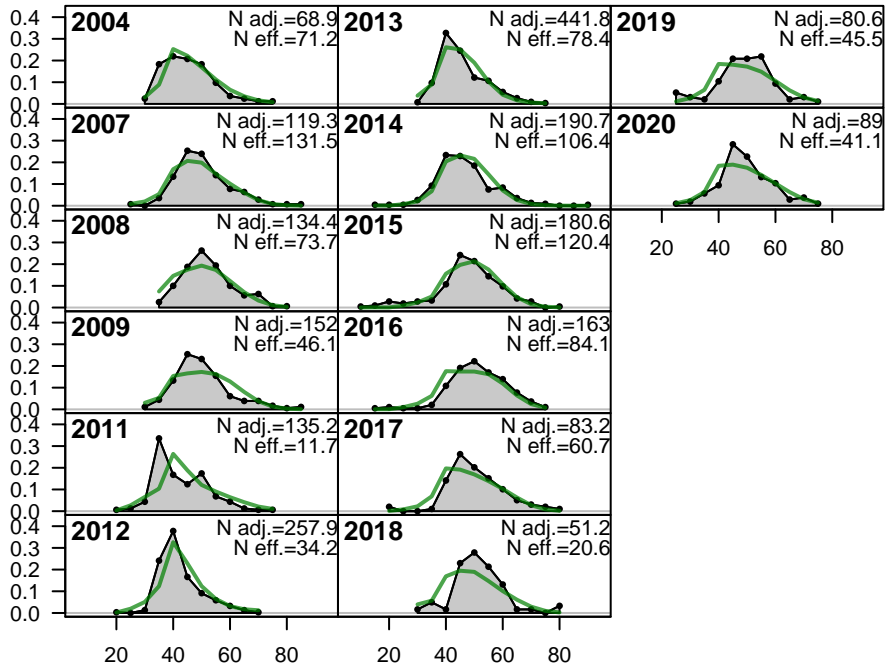
FISHERY (whole catch)



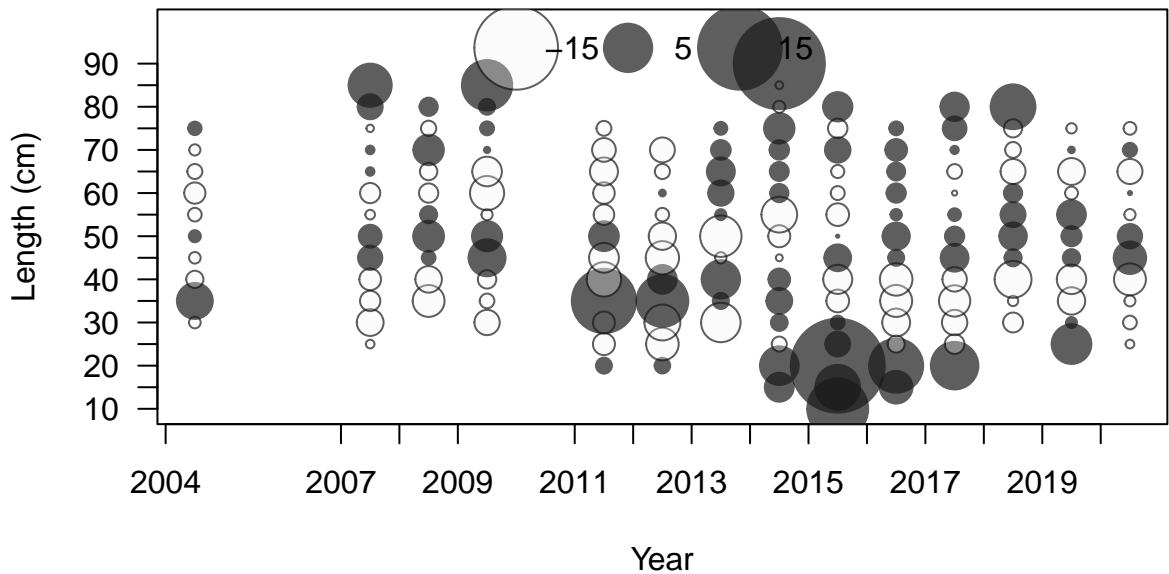




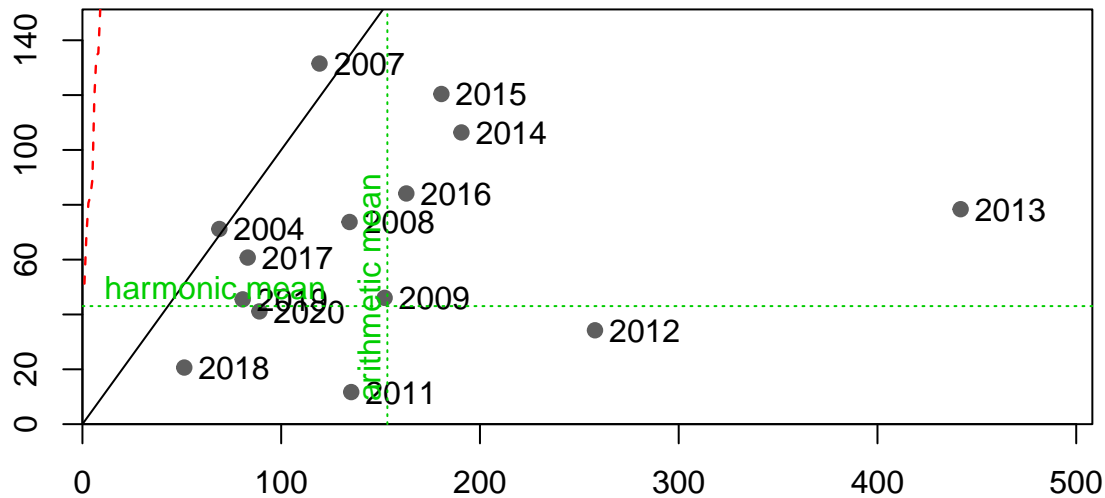
Proportion



Length (cm)

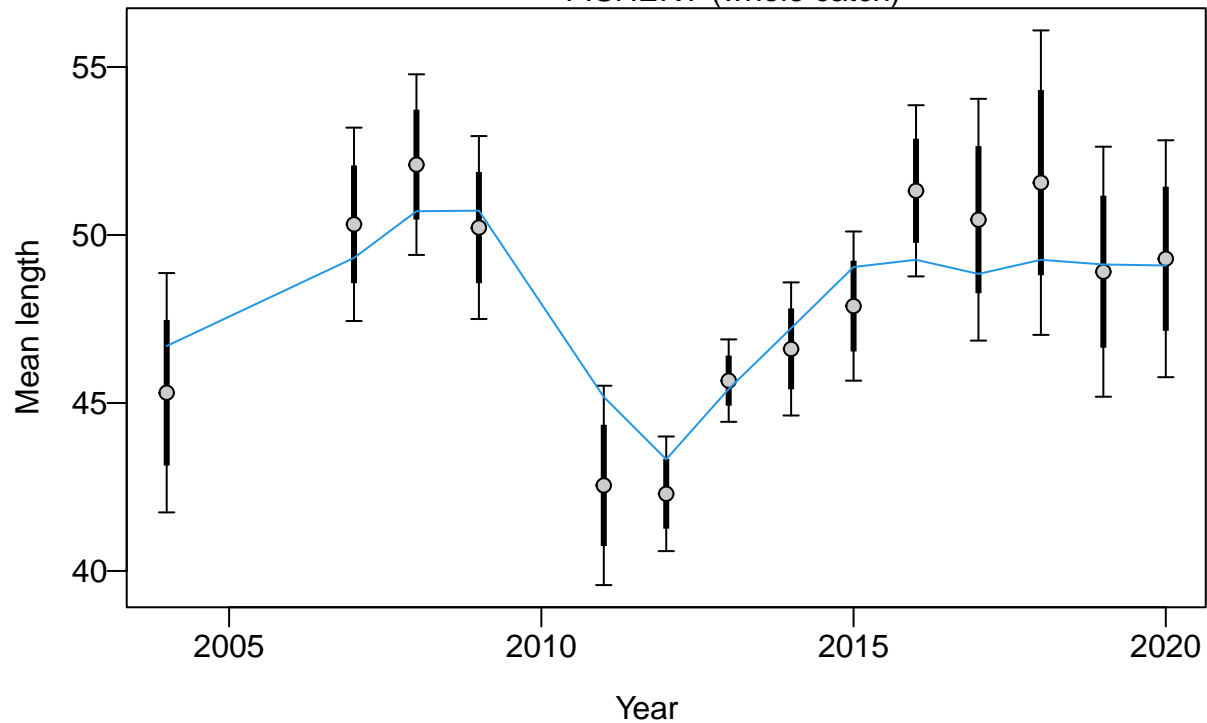


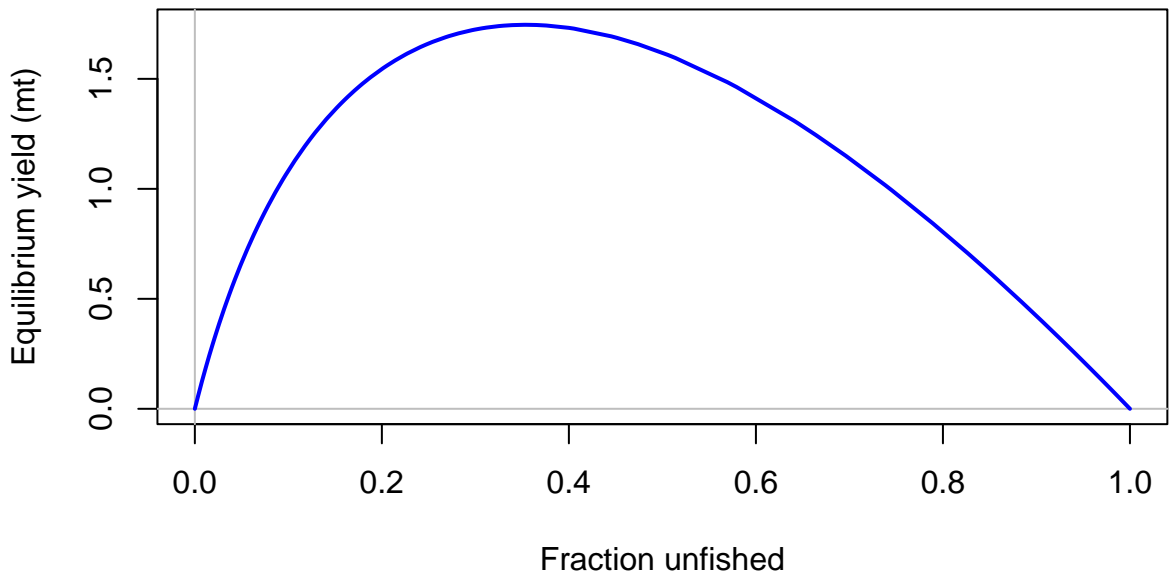
Effective sample size

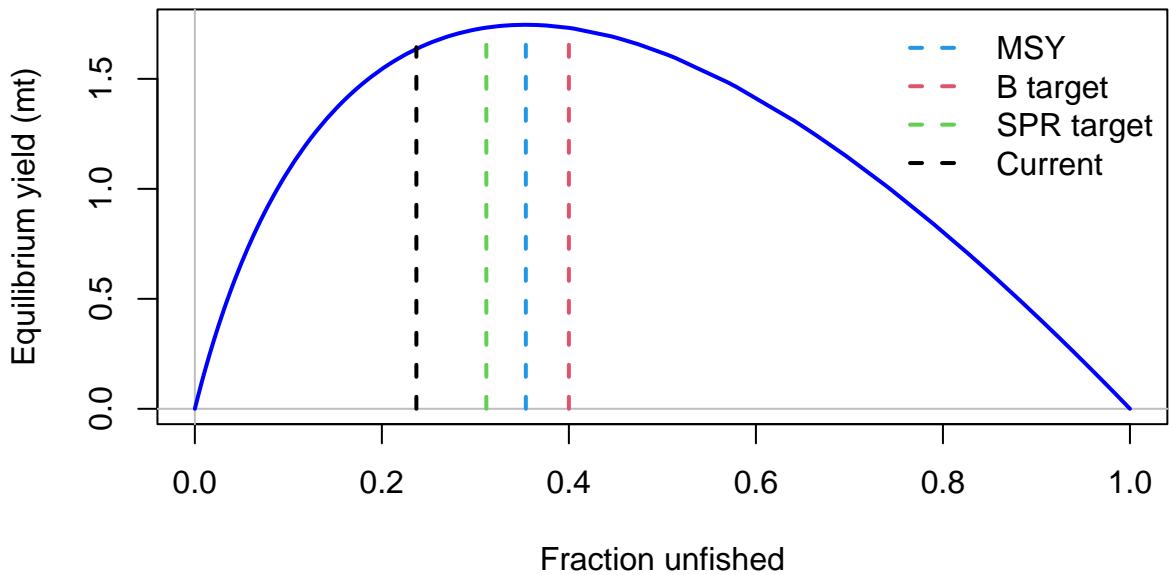


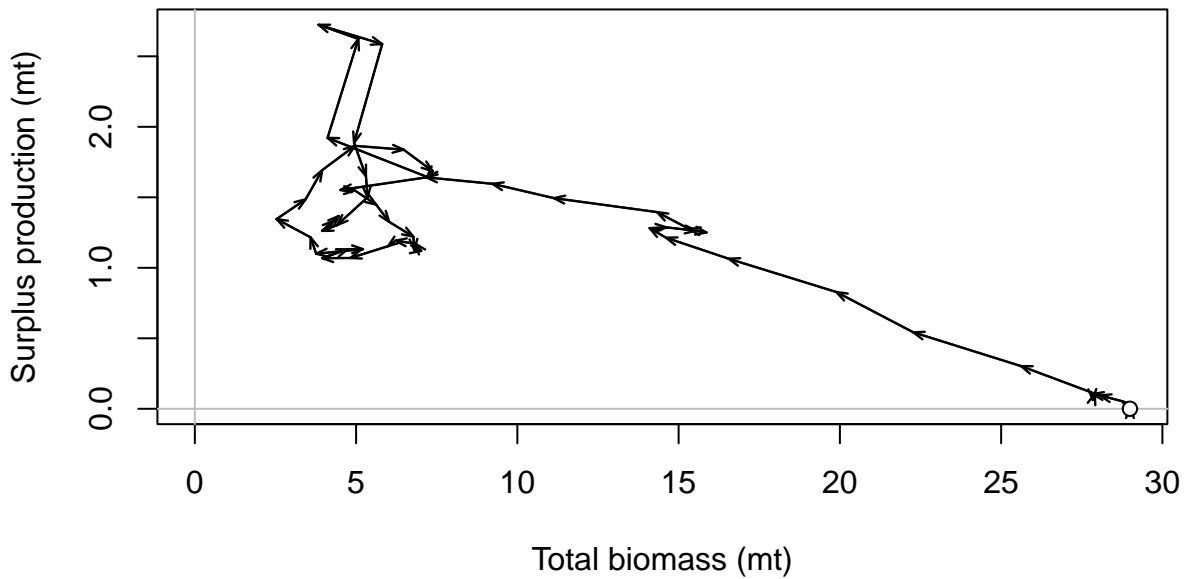
Observed sample size

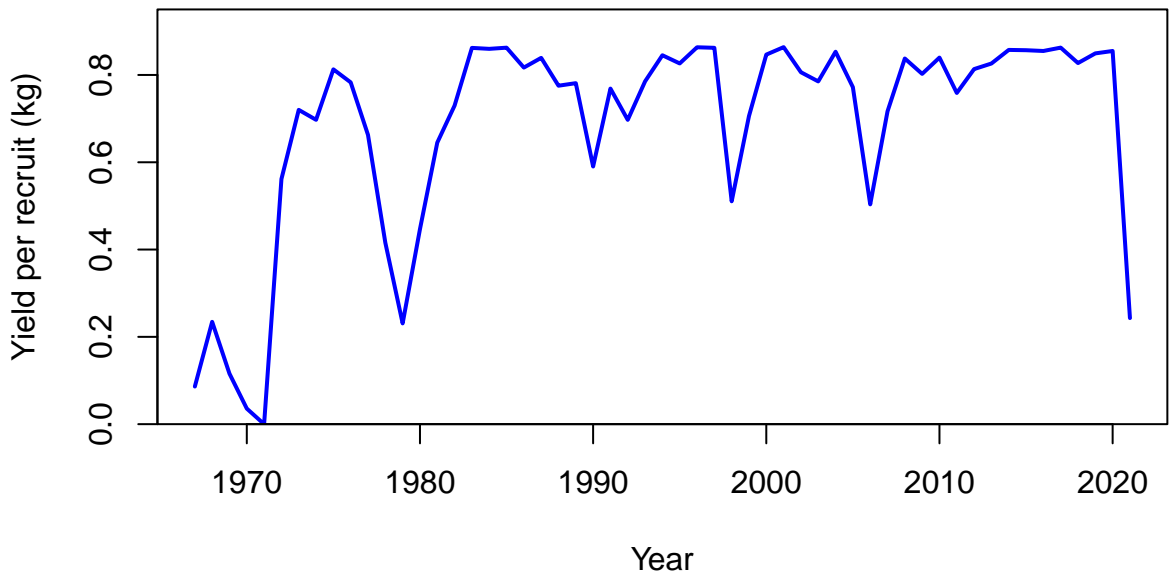
FISHERY (whole catch)

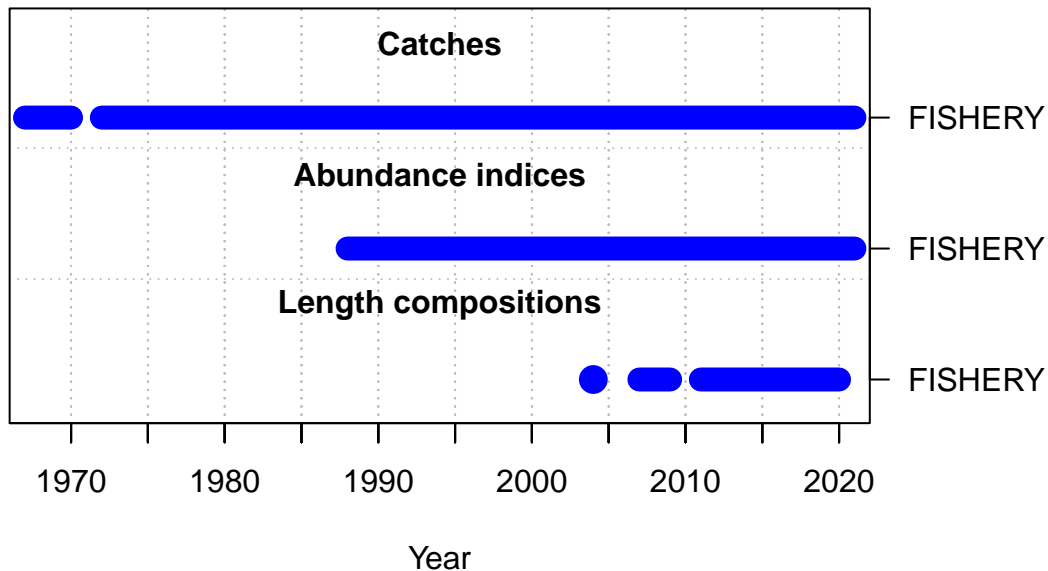


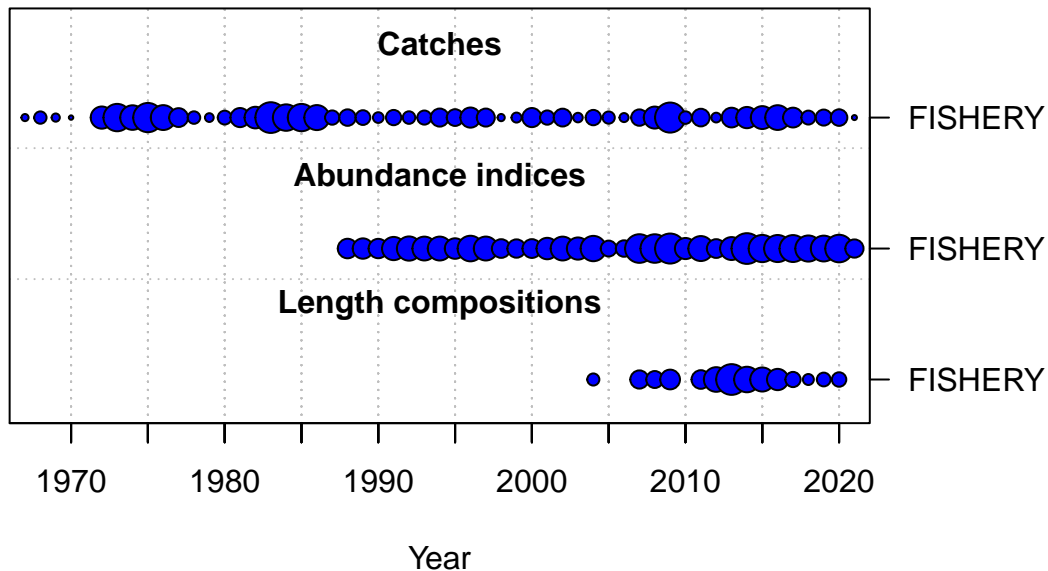










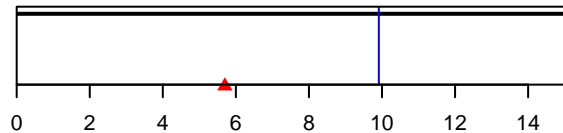


Density

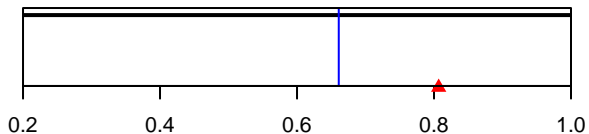
SR_LN(R0)



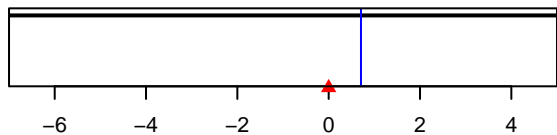
Size_95%width_FISHERY(1)



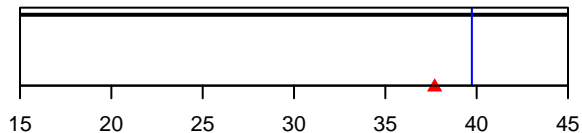
SR_BH_steep



LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Parameter value