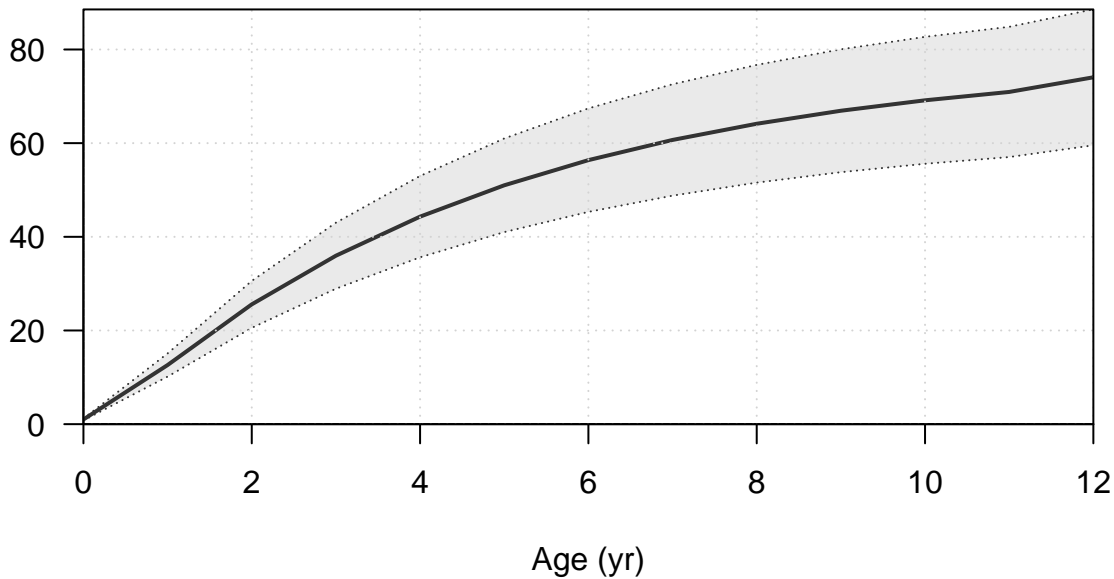
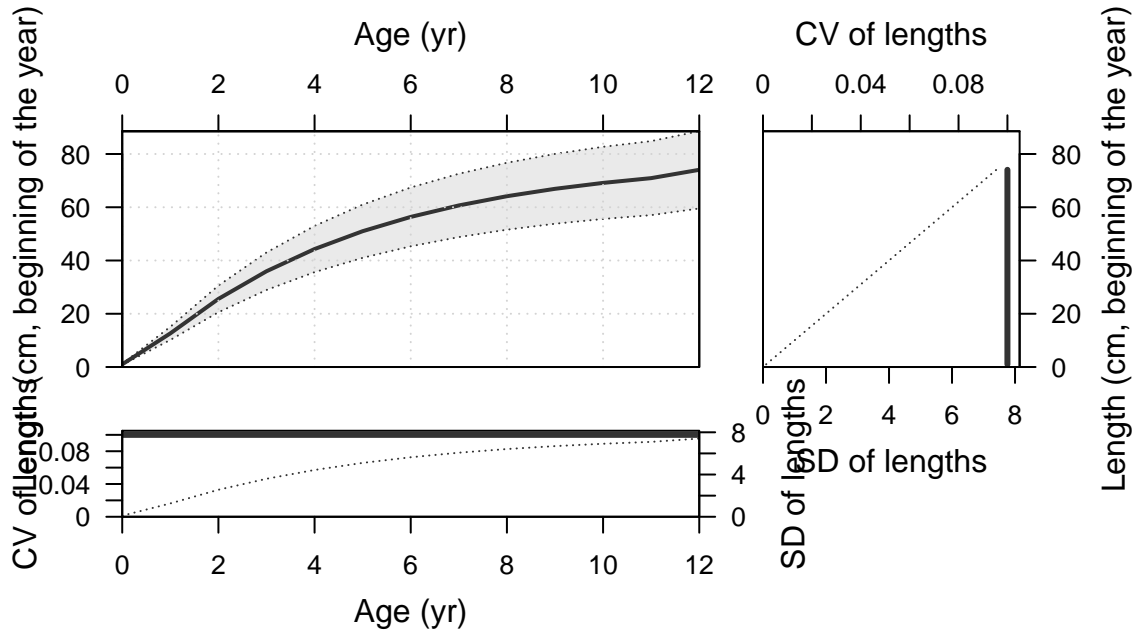
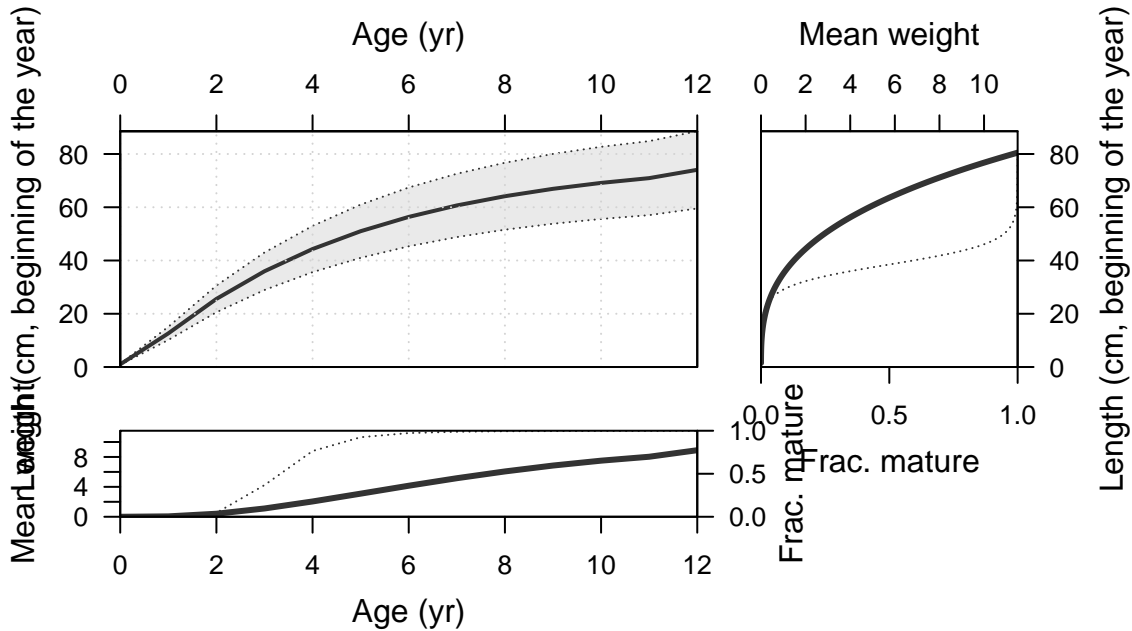


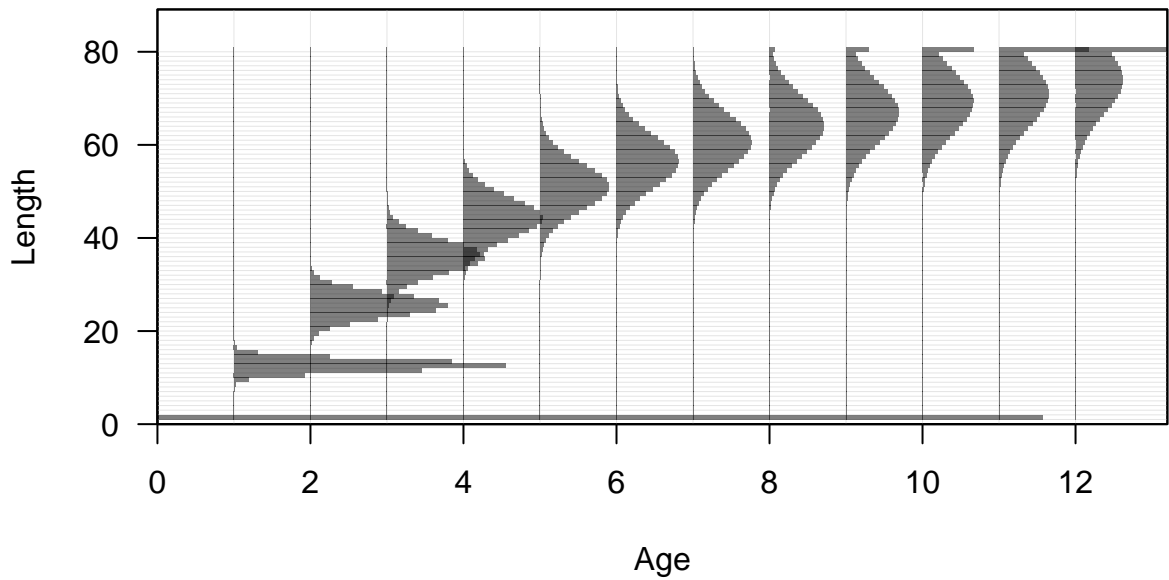
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Jul 12 09:22:52 2022
Data_File: data.ss
Control_File: control.ss

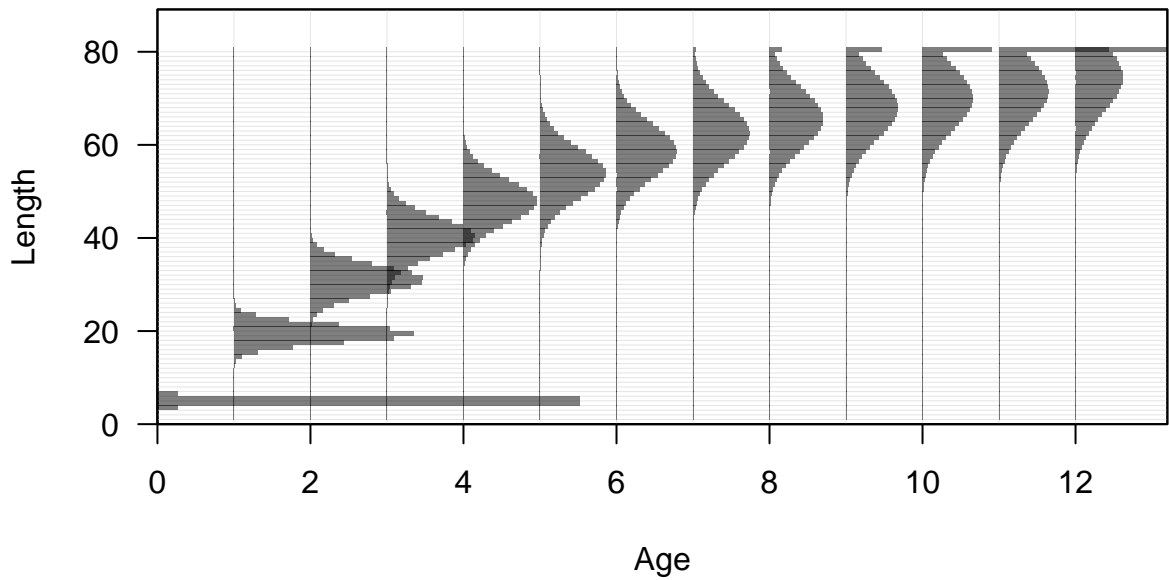
Length (cm, beginning of the year)

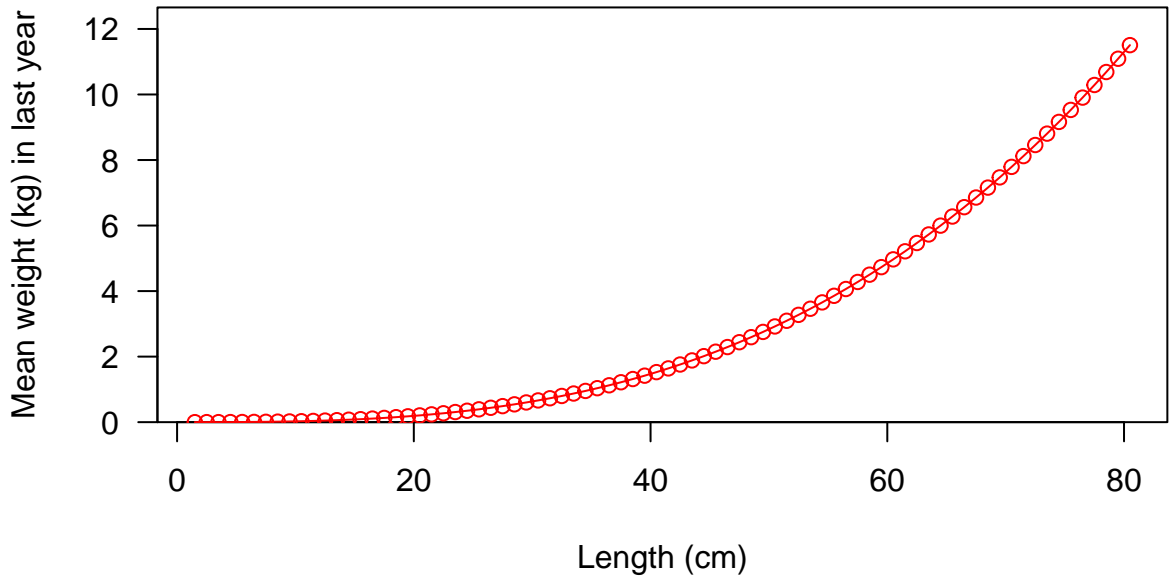


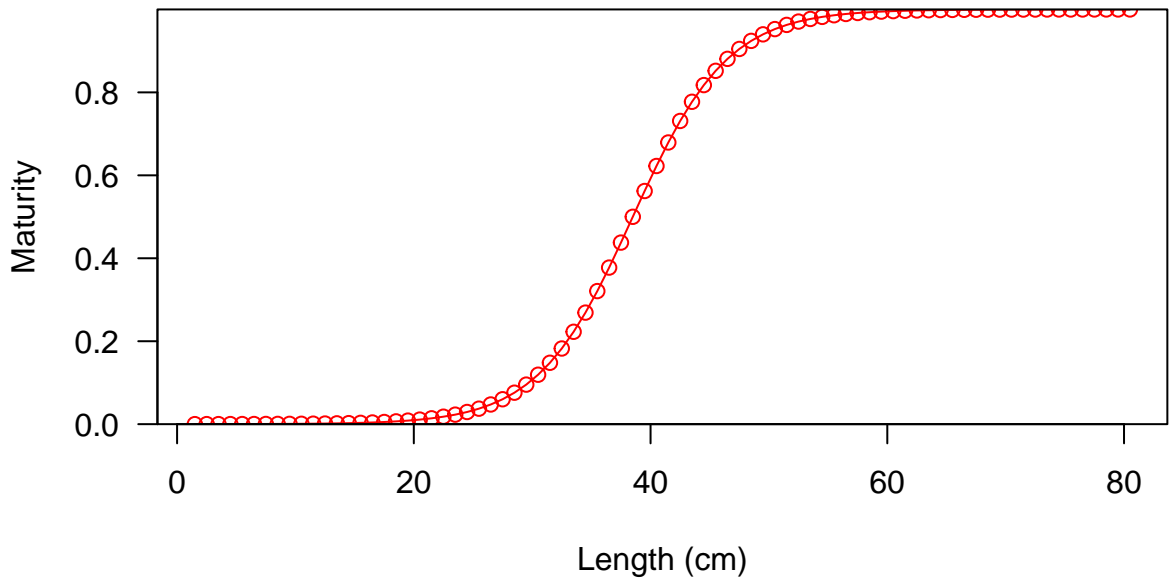


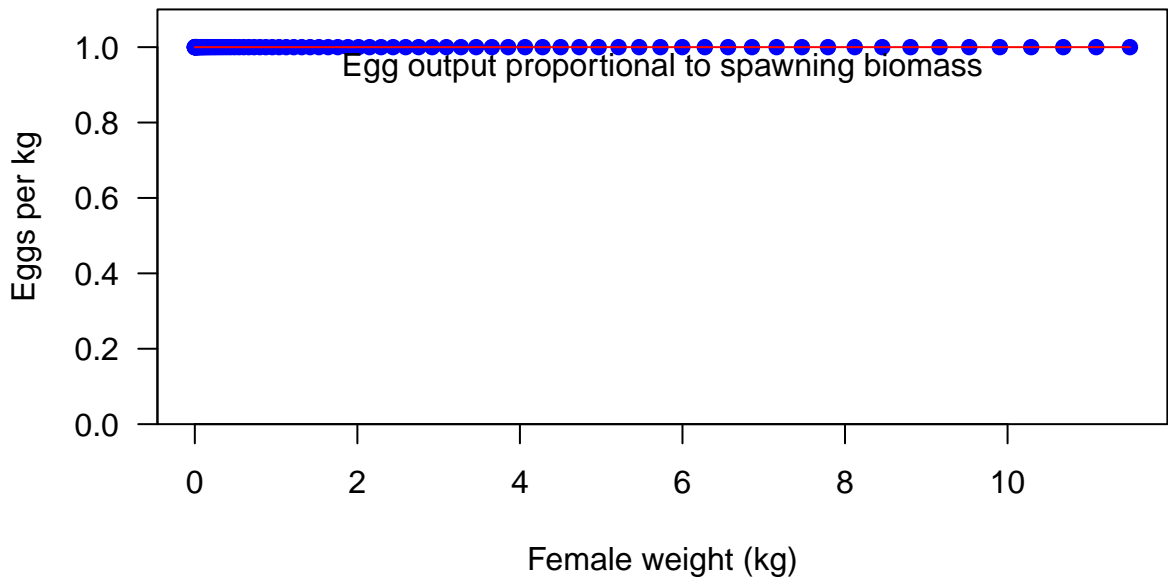




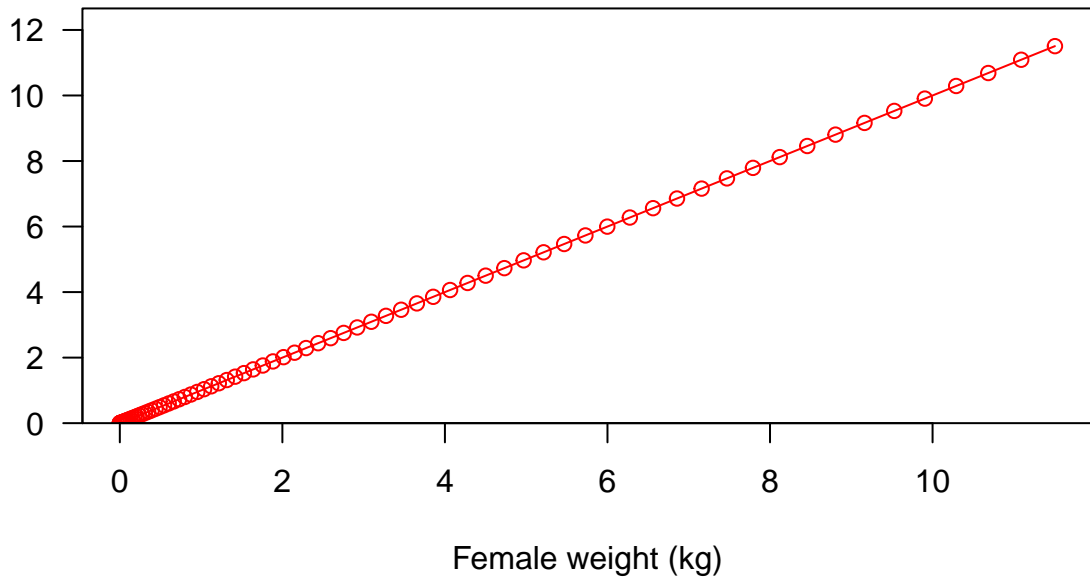




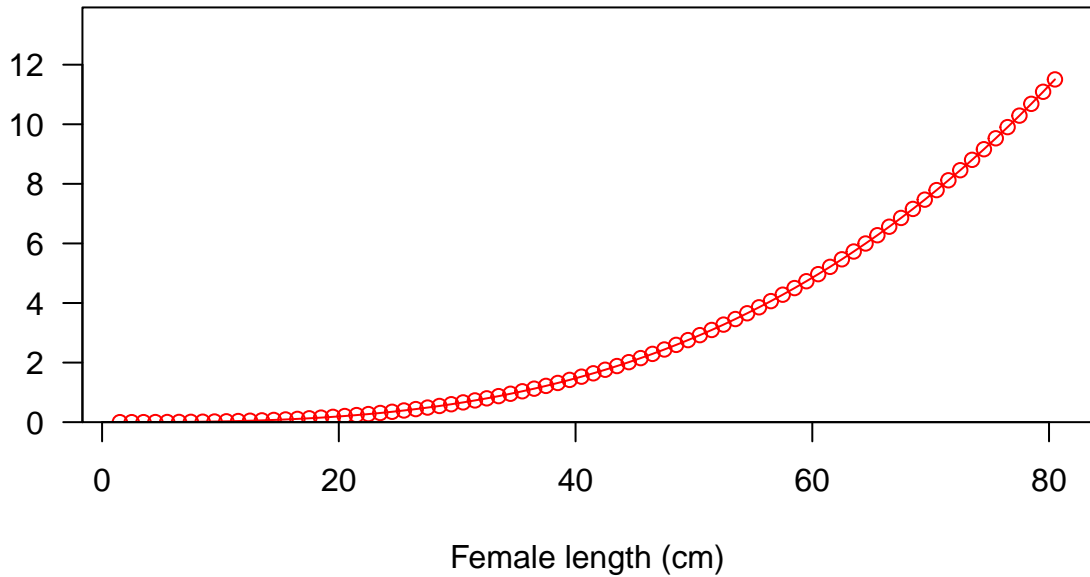


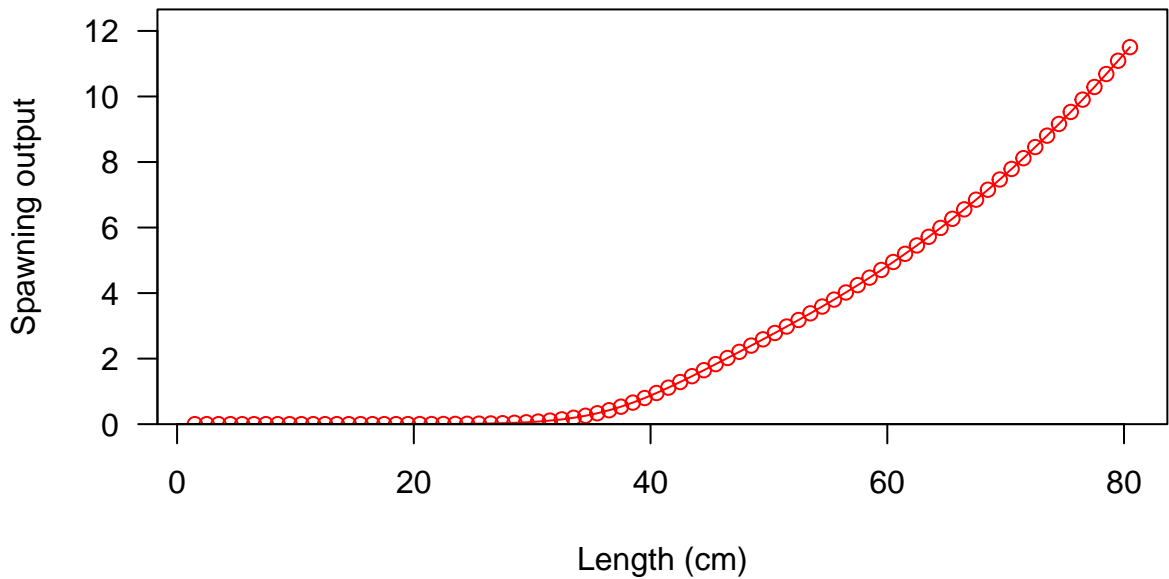


Fecundity

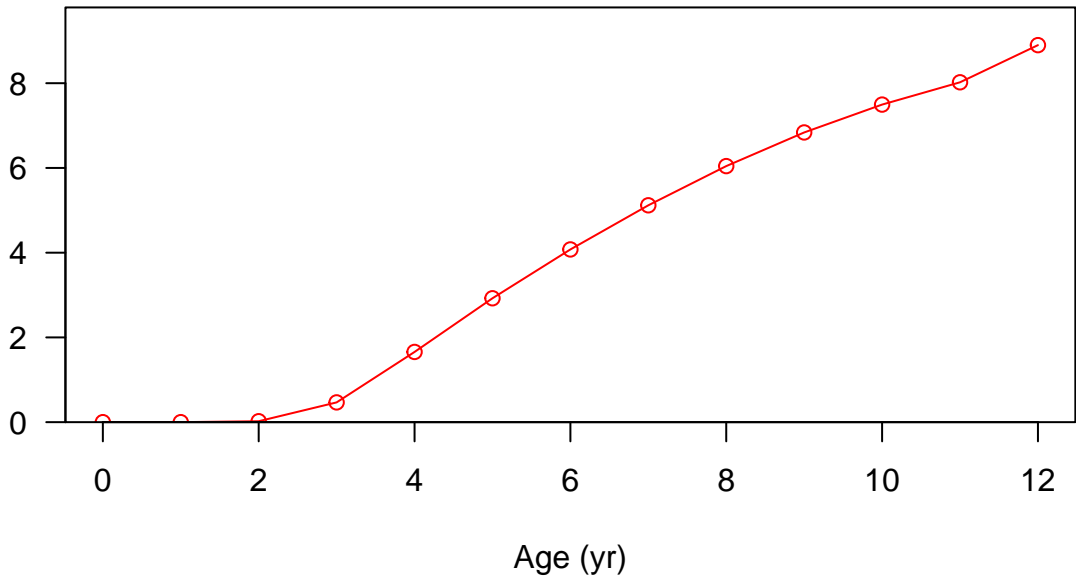


Fecundity

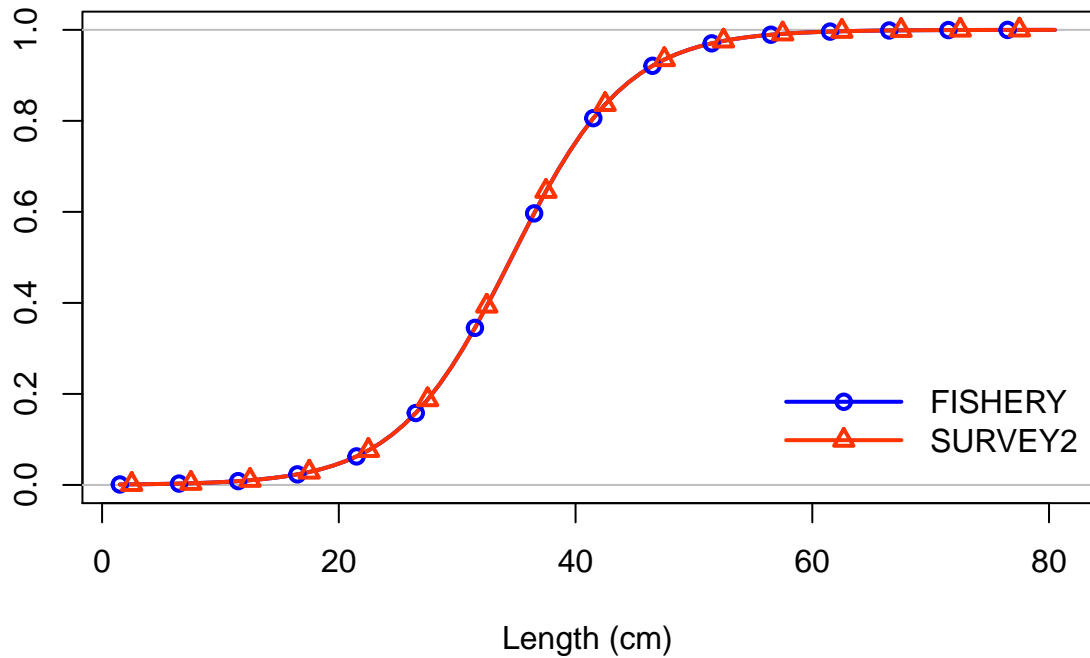




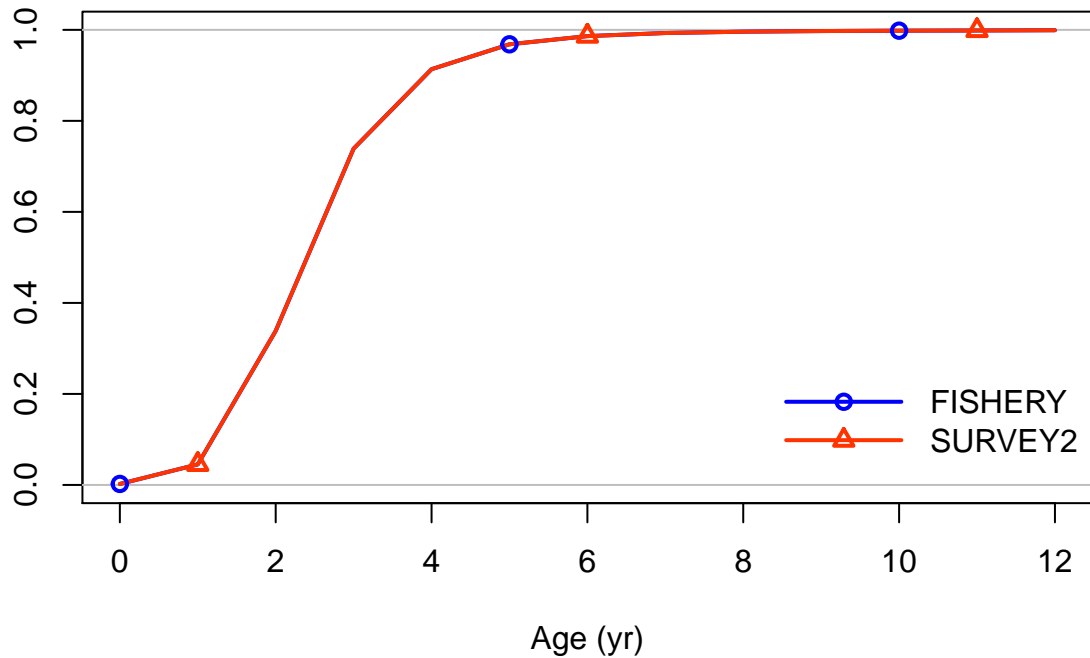
Spawning output



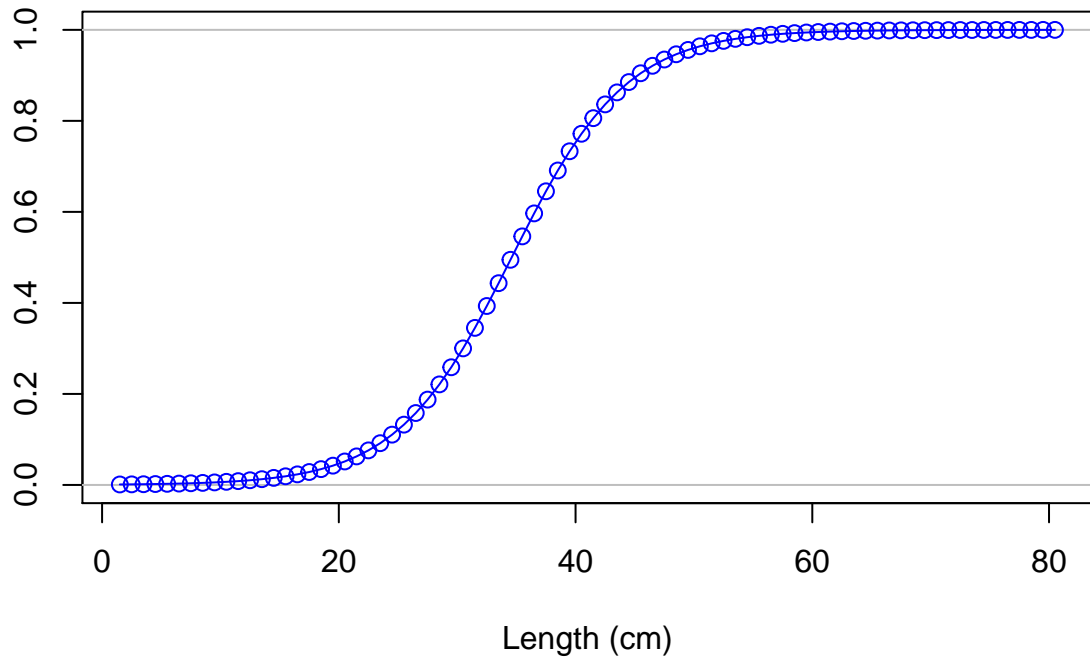
Selectivity



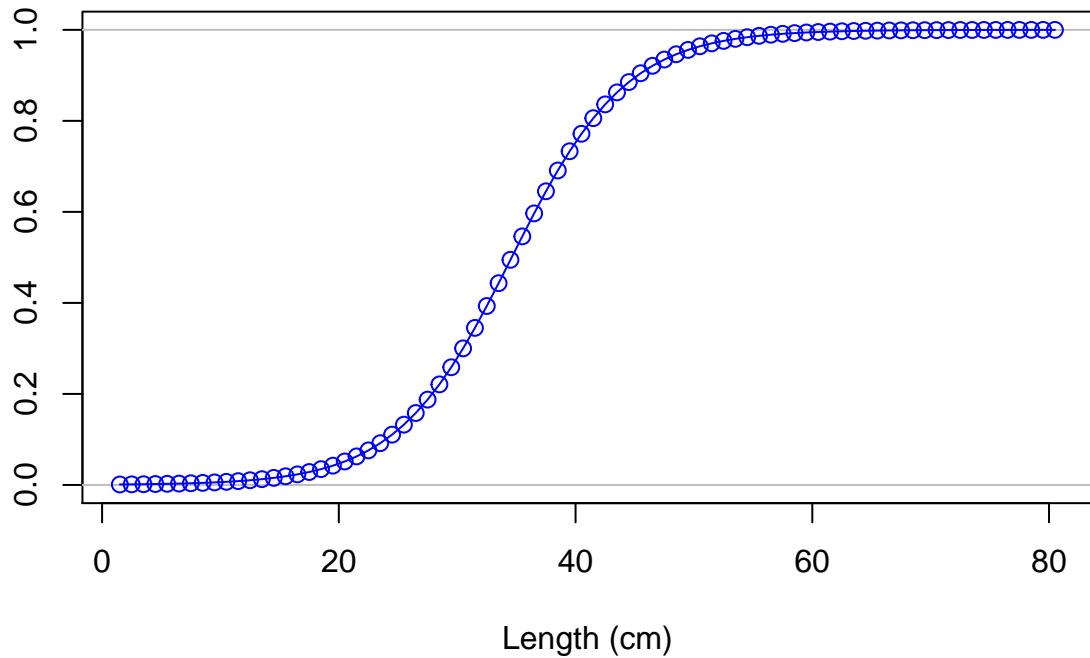
Selectivity

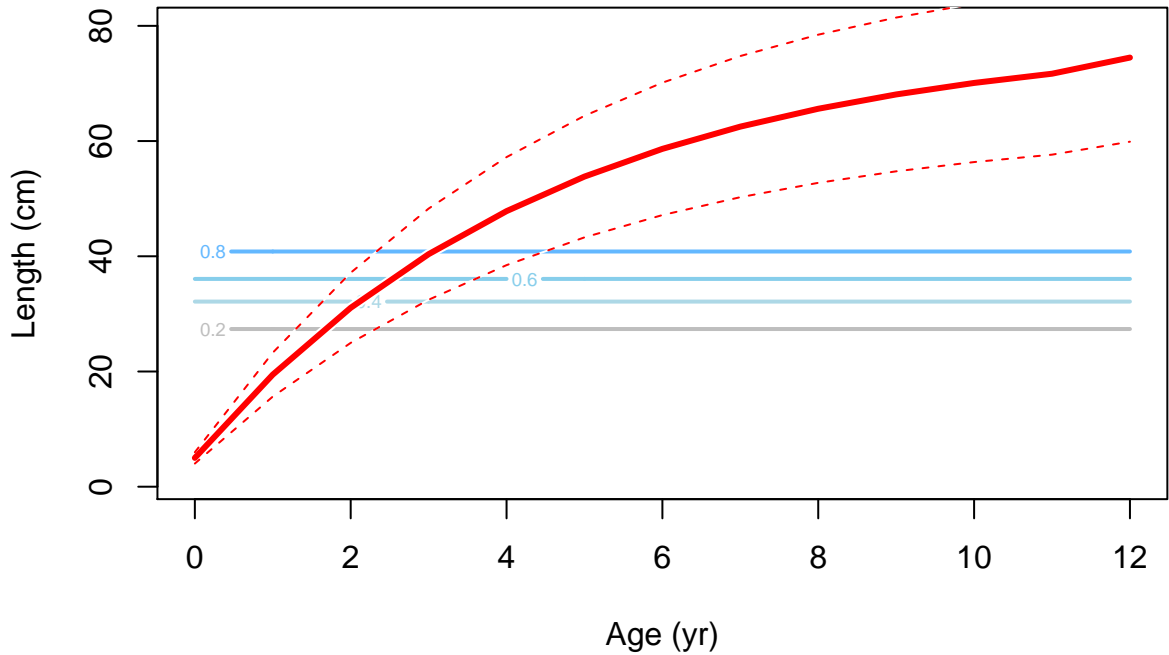


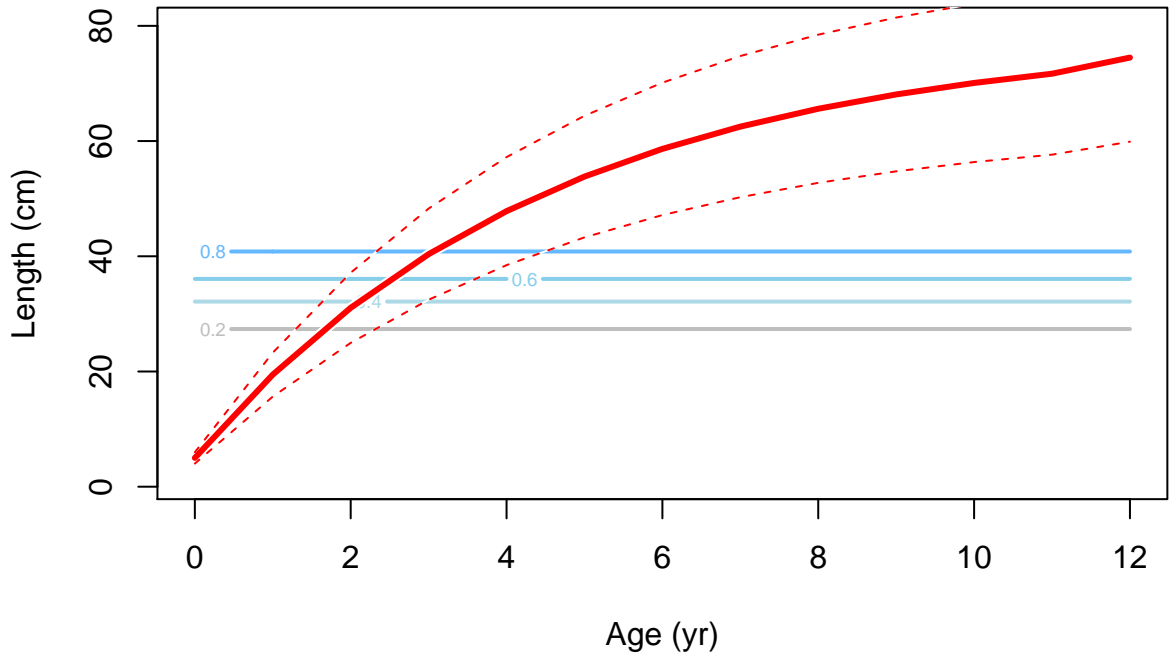
Selectivity

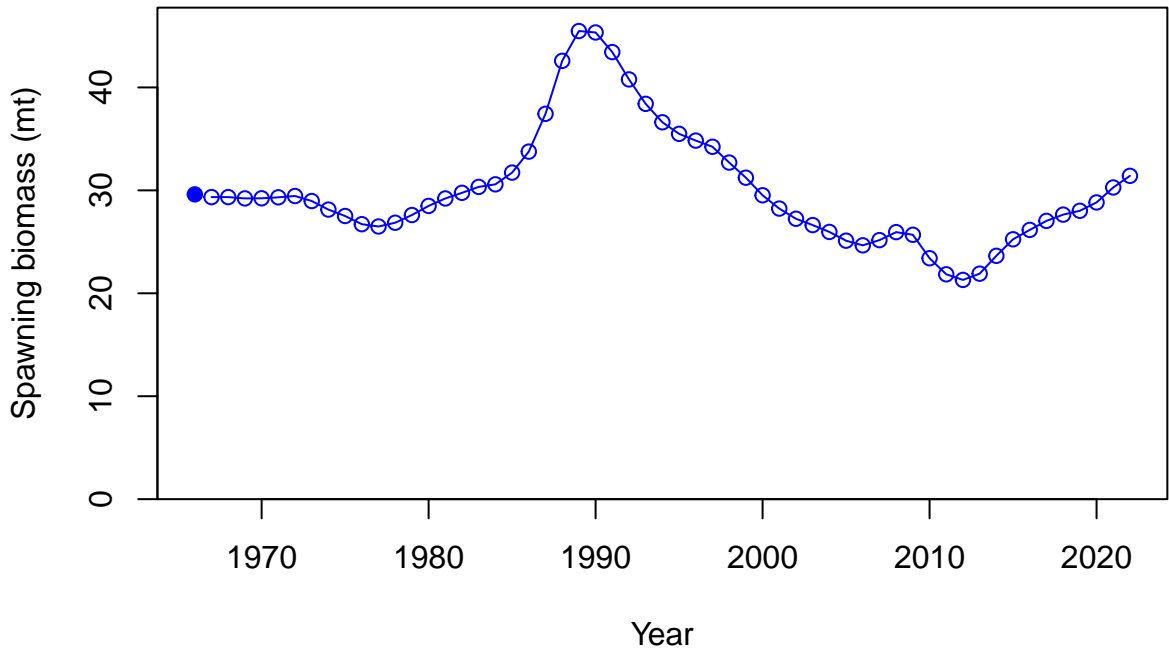


Selectivity

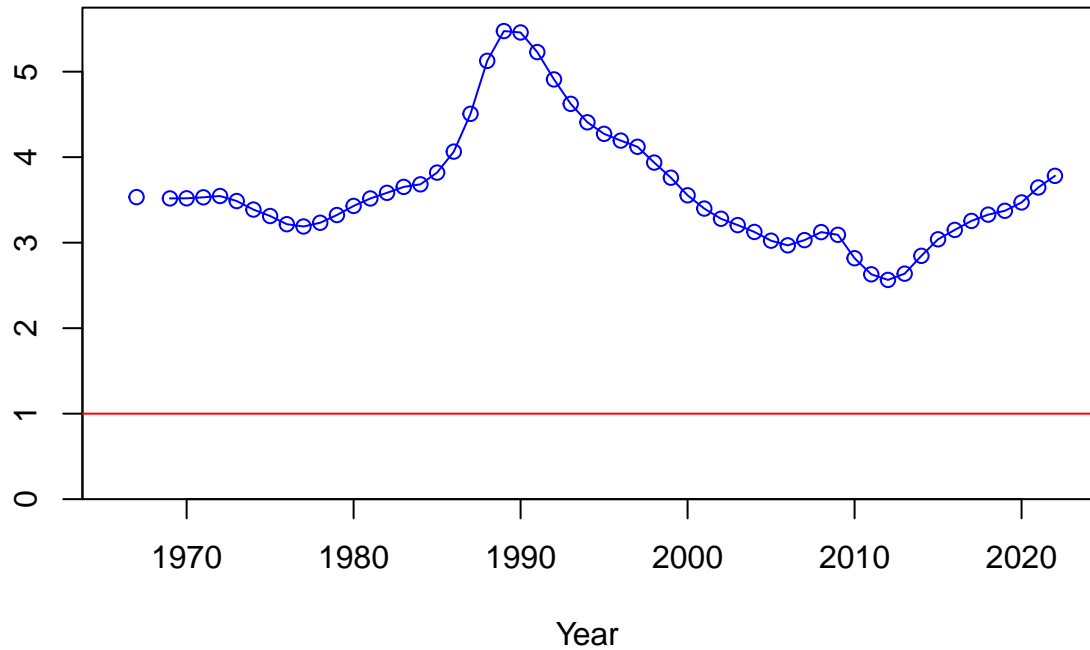


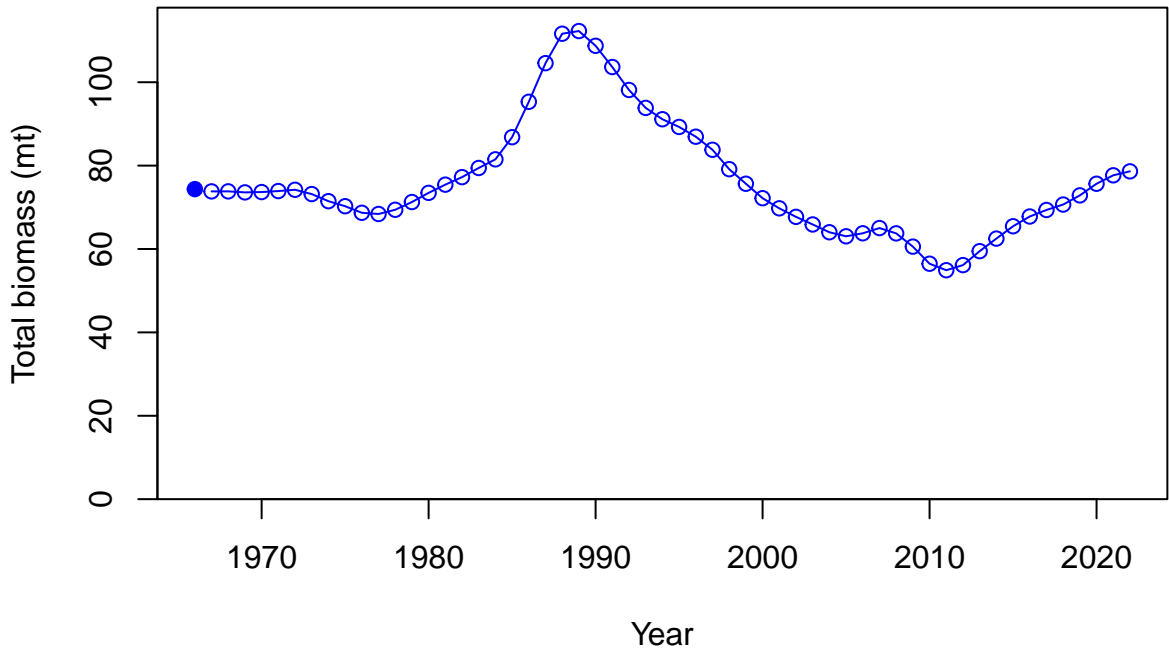


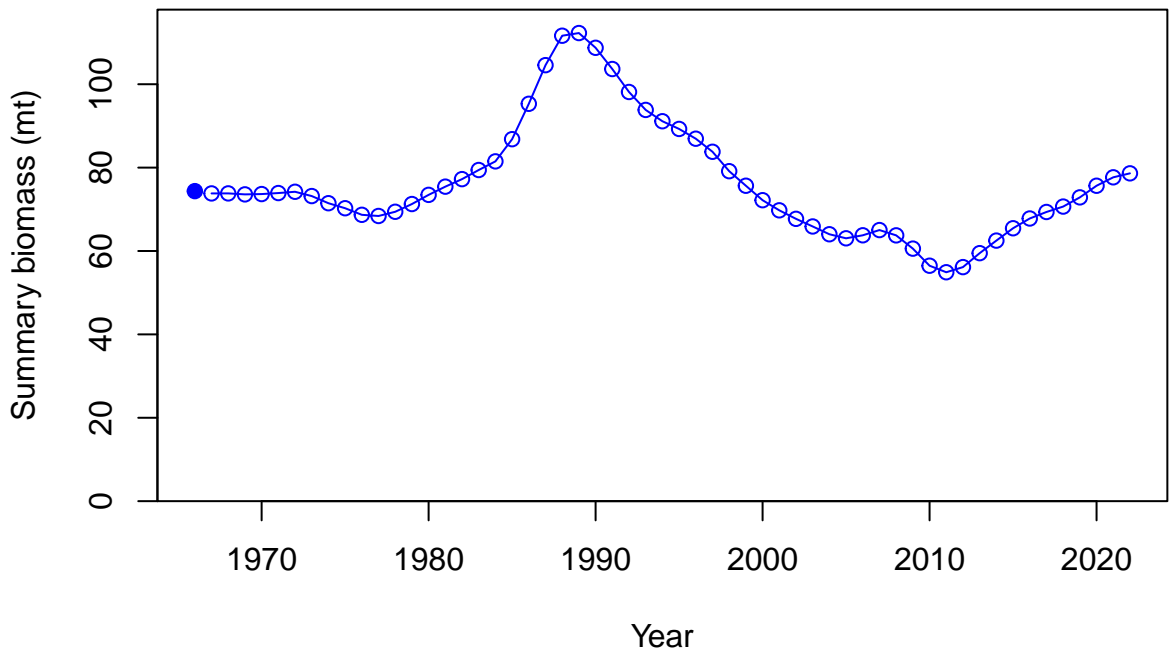




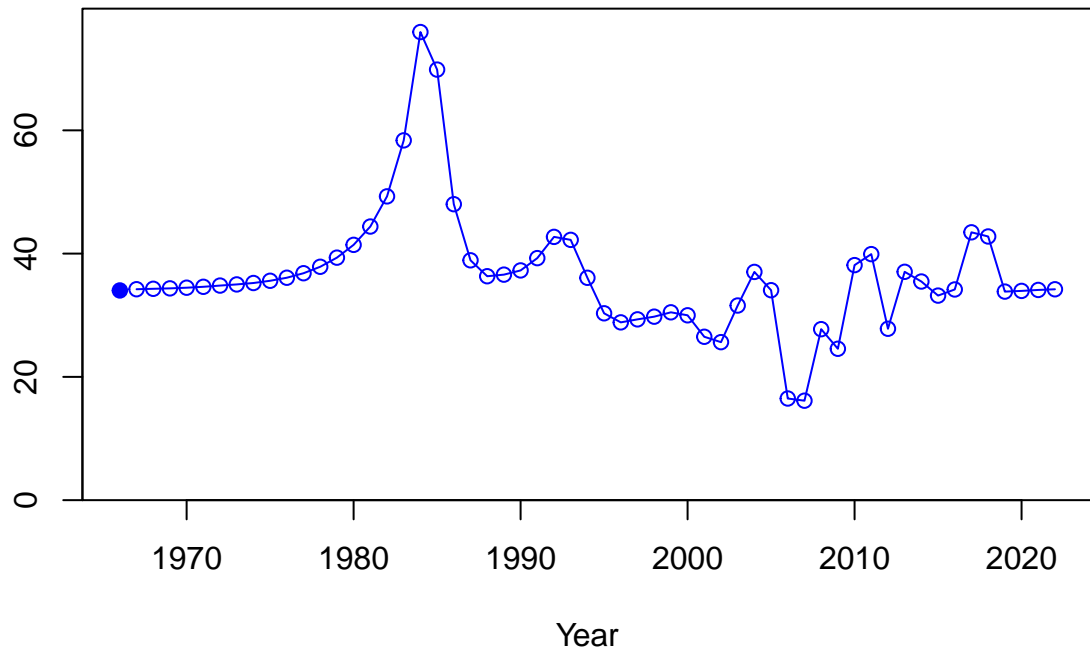
Relative spawning biomass: B/B_{MSY}



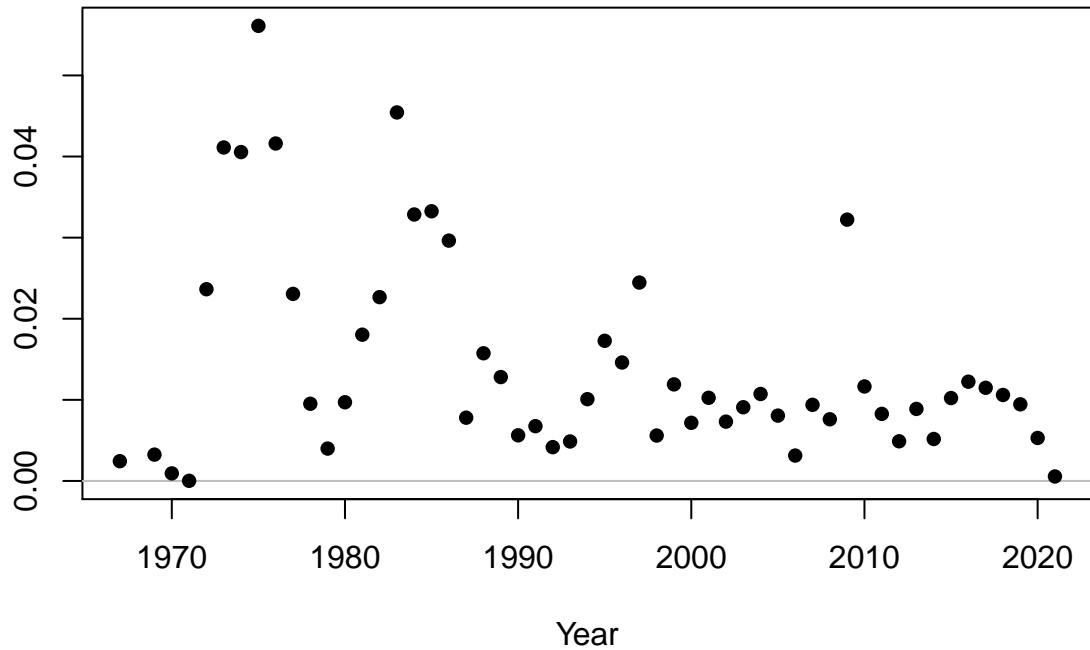


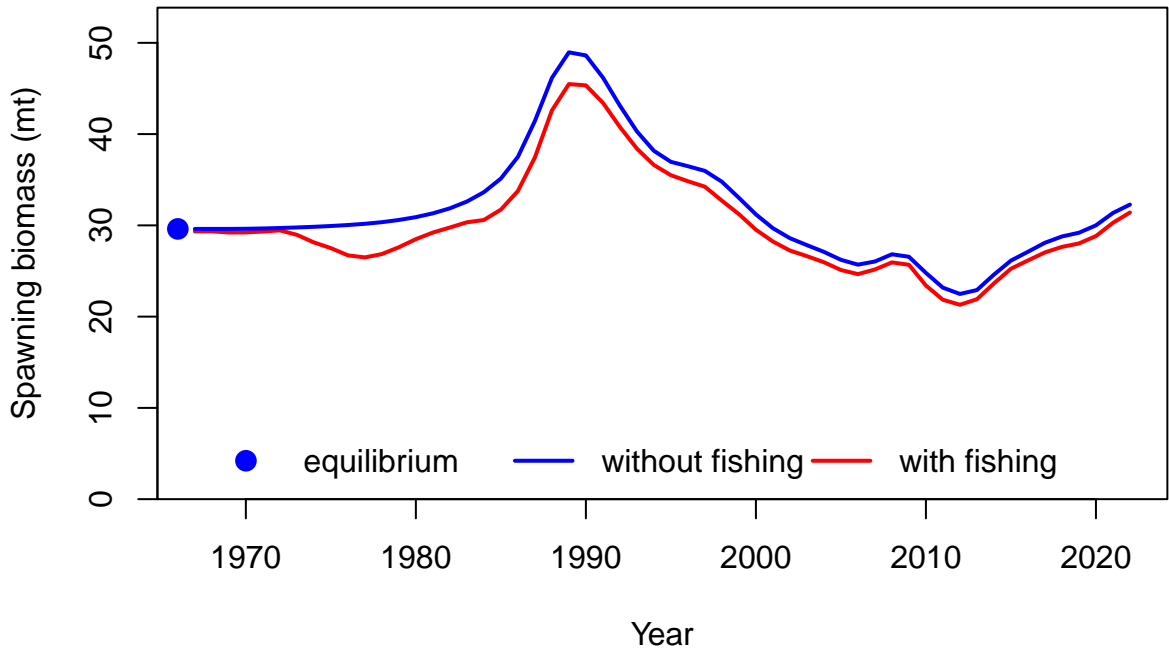


Age-0 recruits (1,000s)

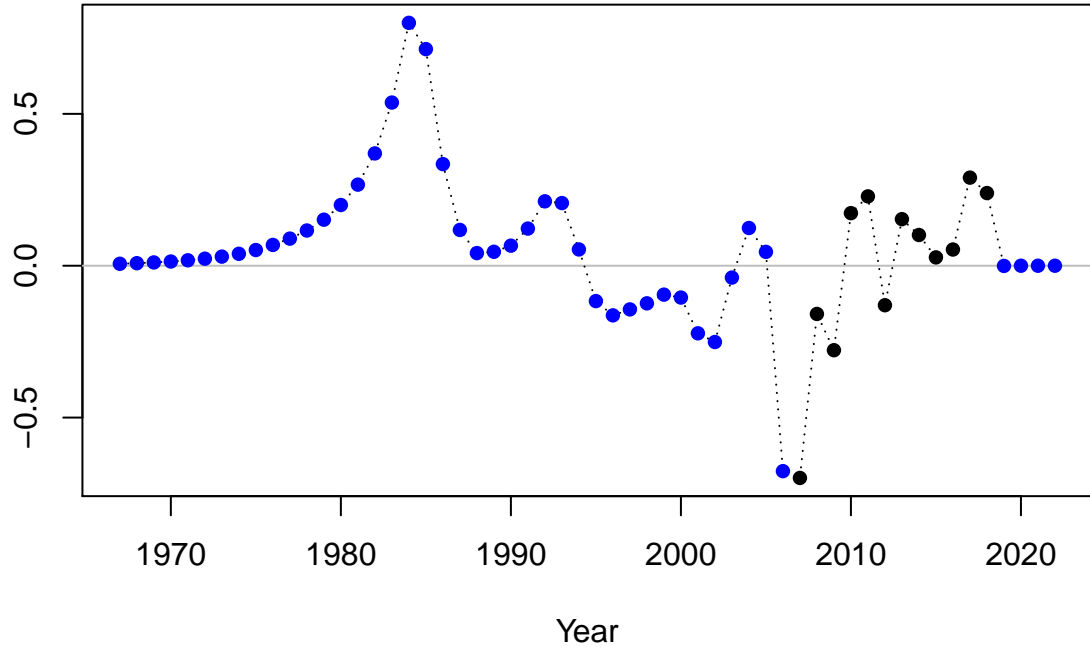


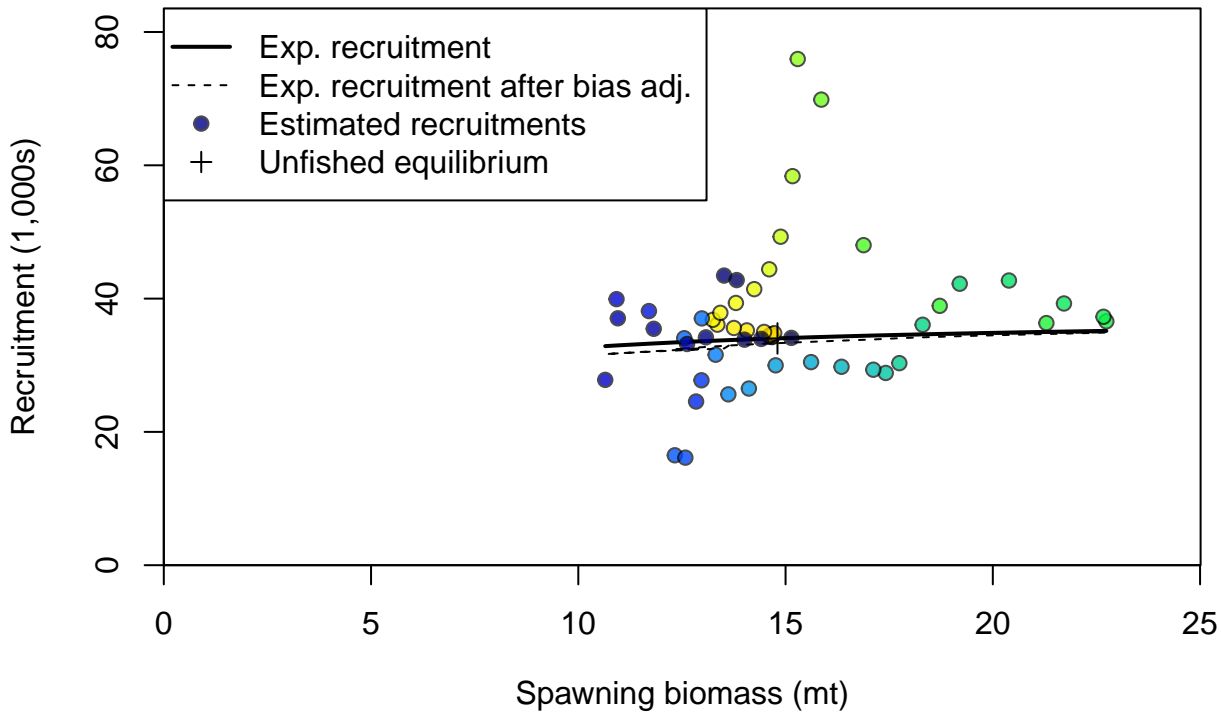
Summary Fishing Mortality

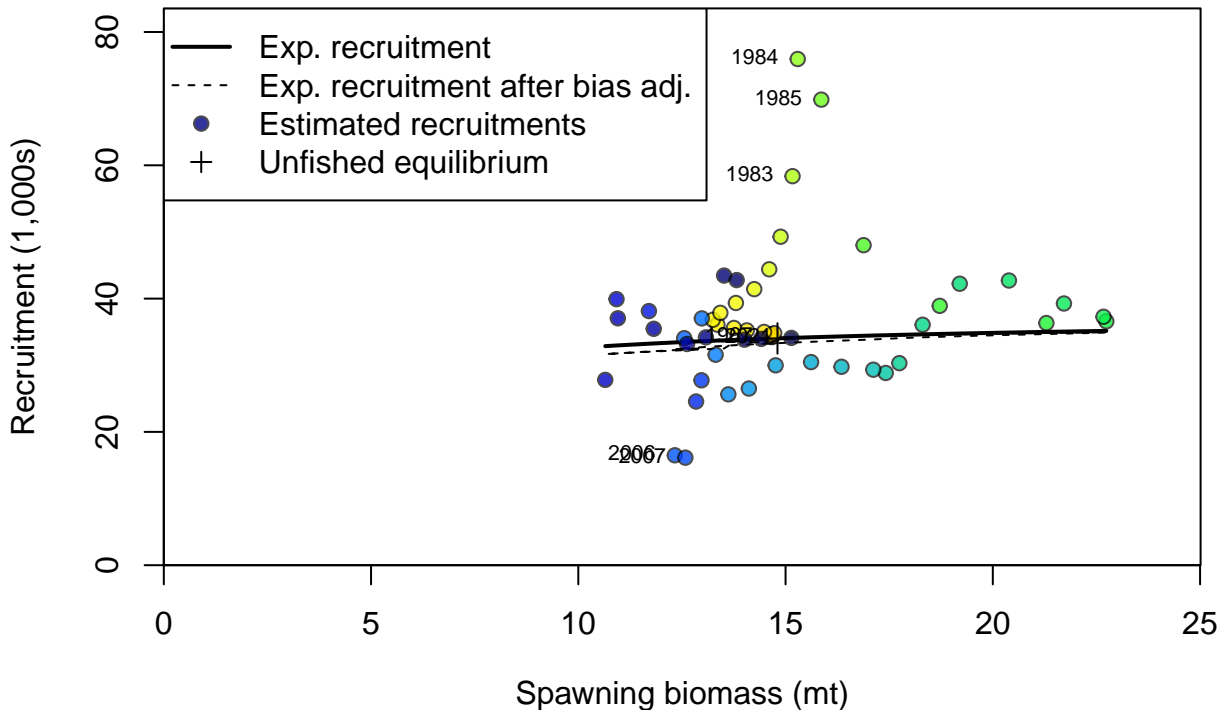




Log recruitment deviation







Log recruitment deviation

0.5
0.0
-0.5

0.0

0.5

1.0

1.5

Spawning output (relative to B_0)

1984

1985

1983

2006

2007

1980

1981

1982

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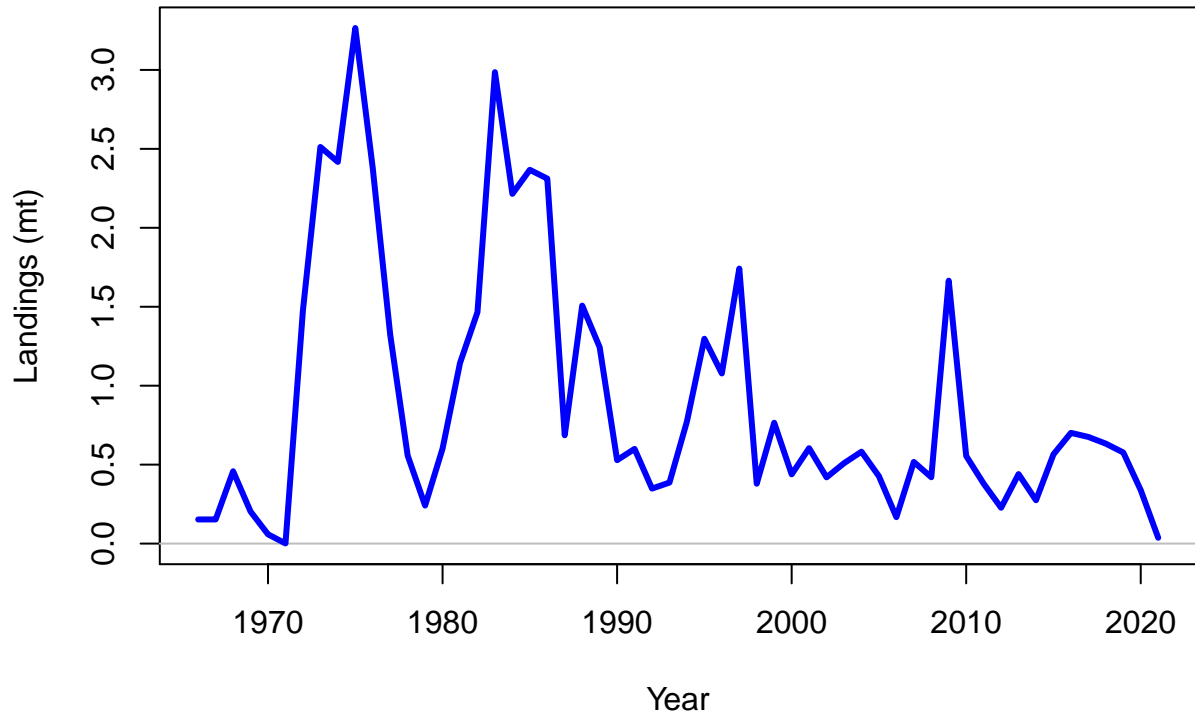
2136

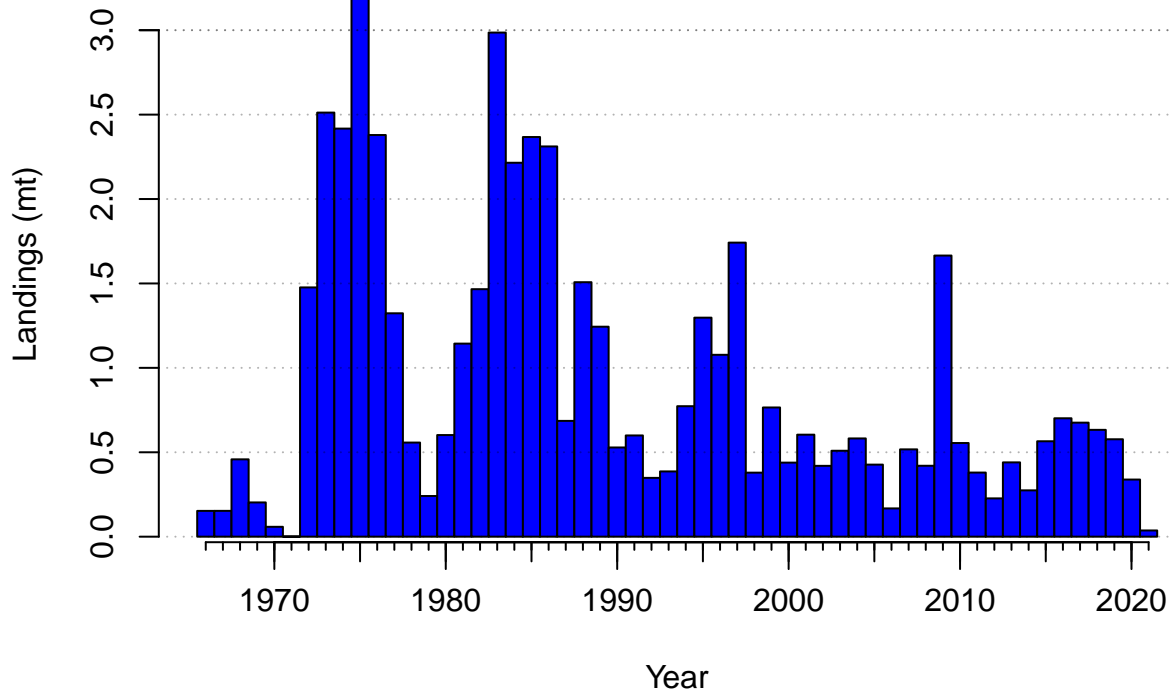
2137

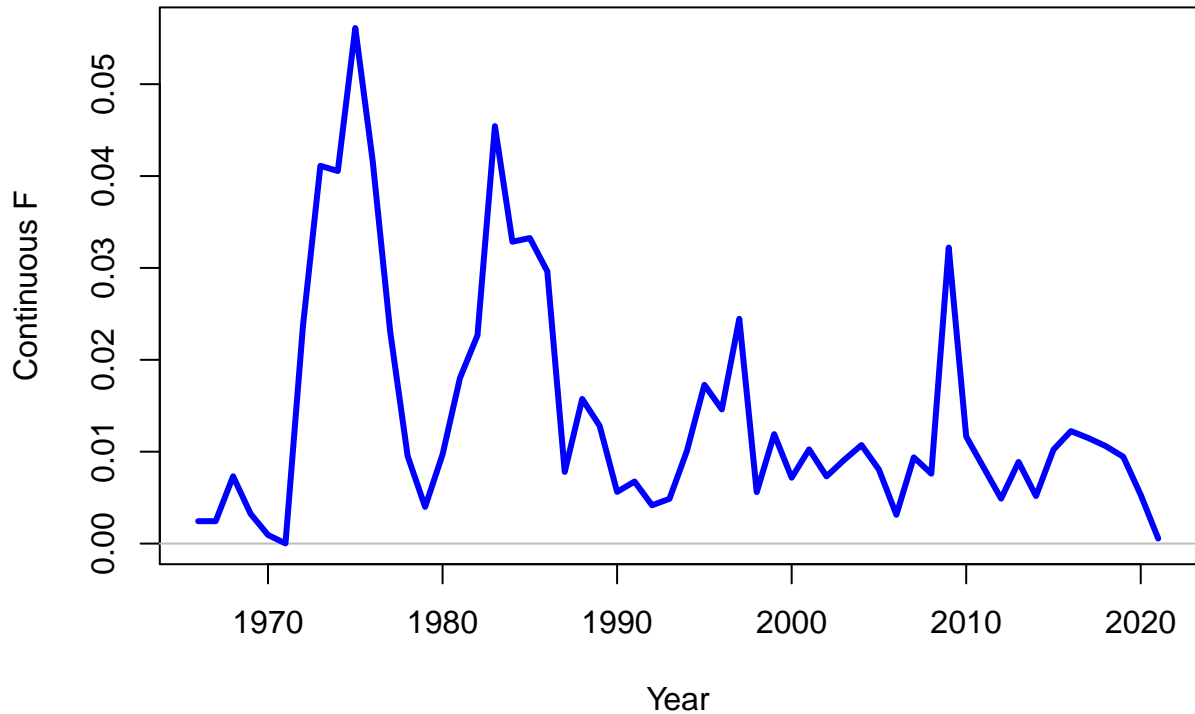
2138

2139

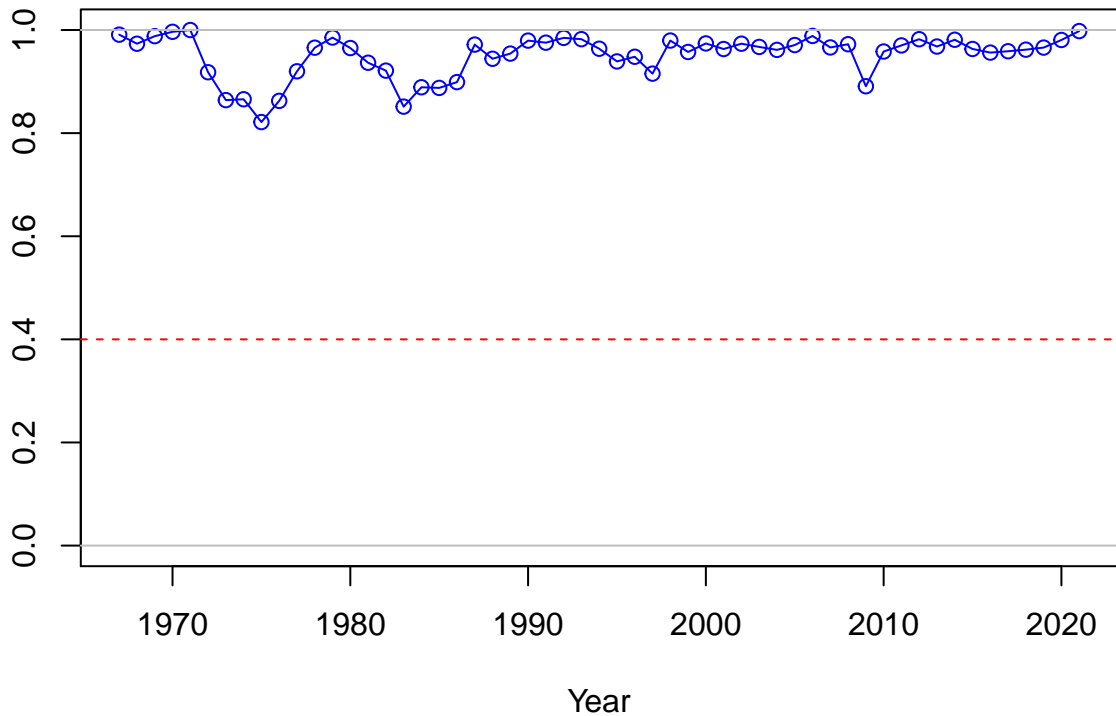
2140



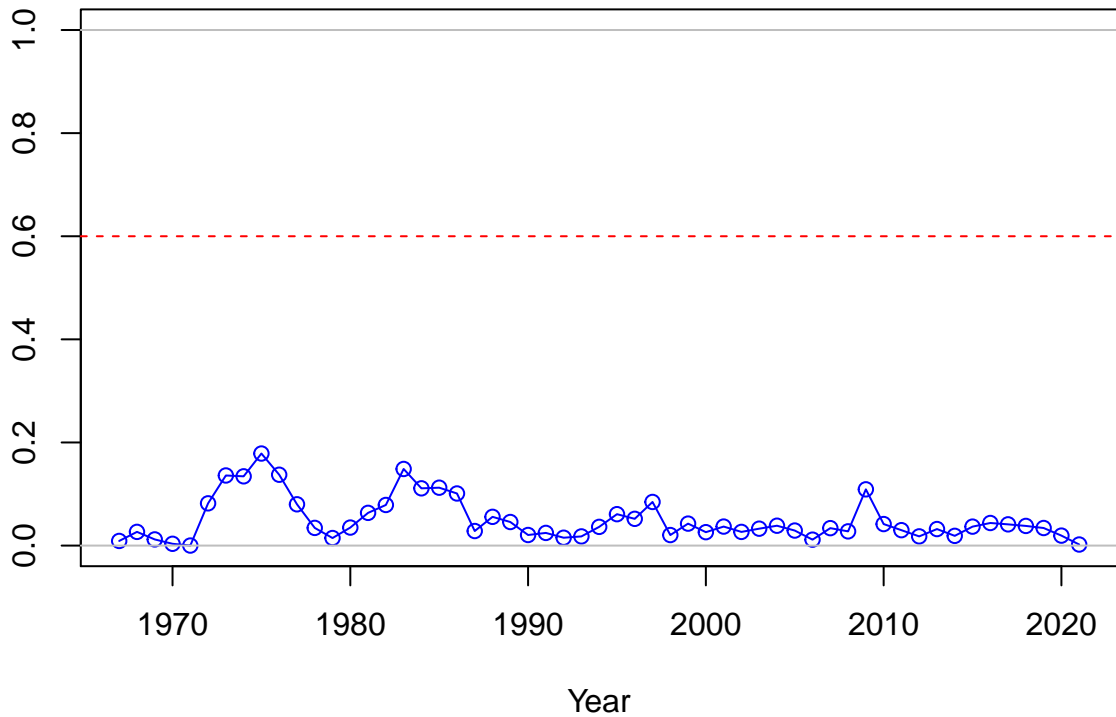




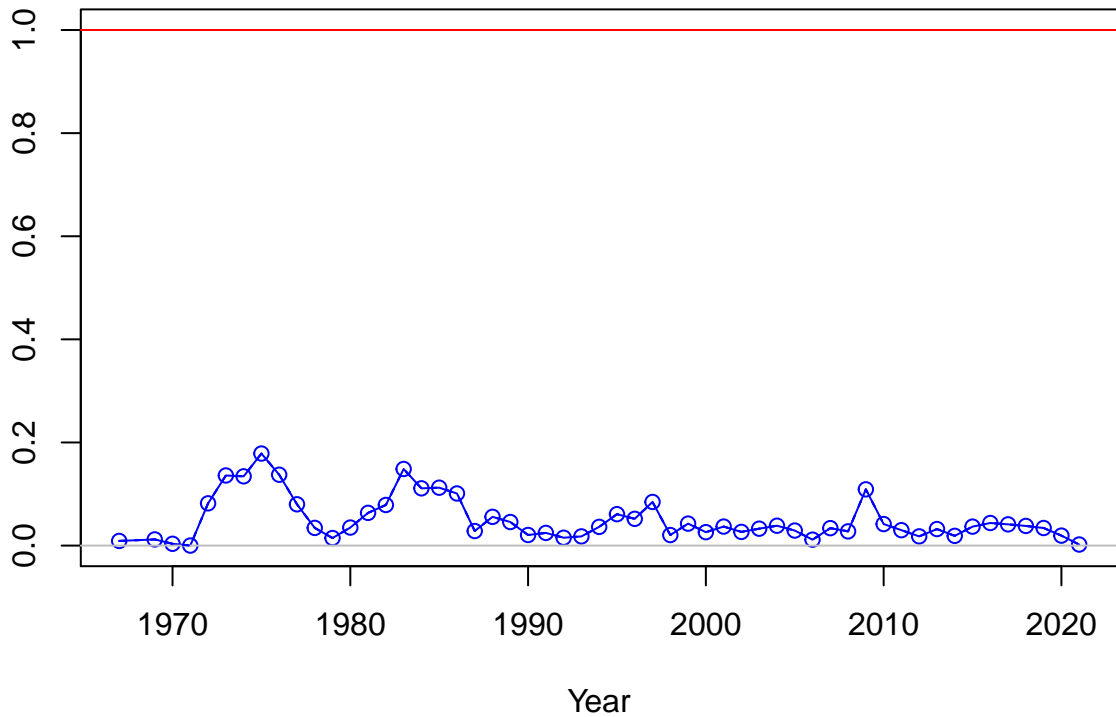
SPR



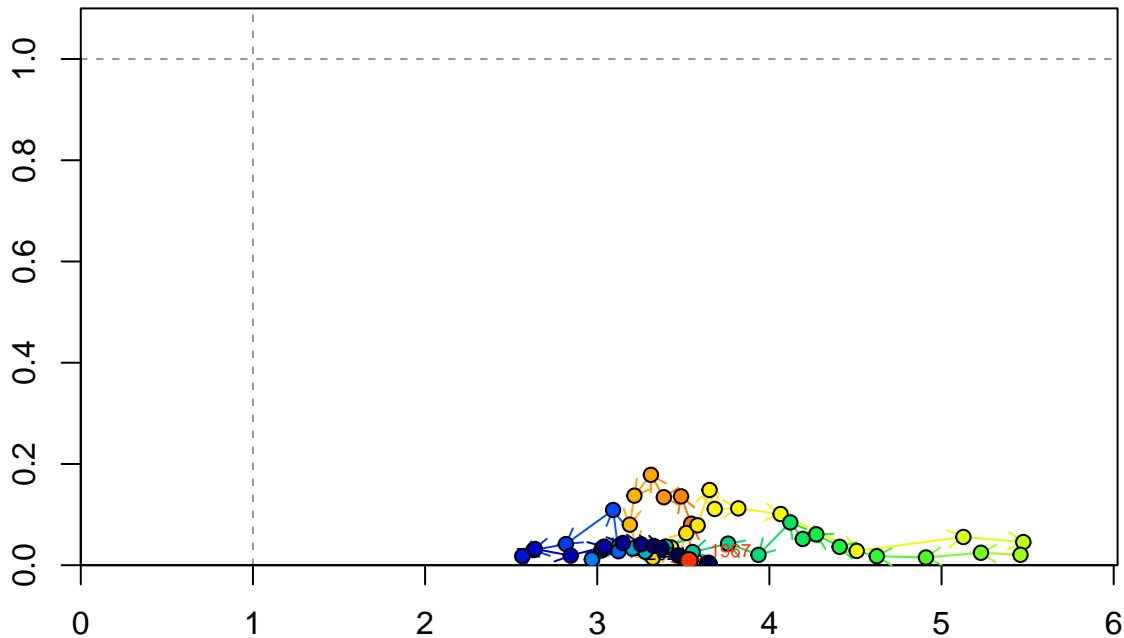
1-SPR



Fishing intensity: 1-SPR

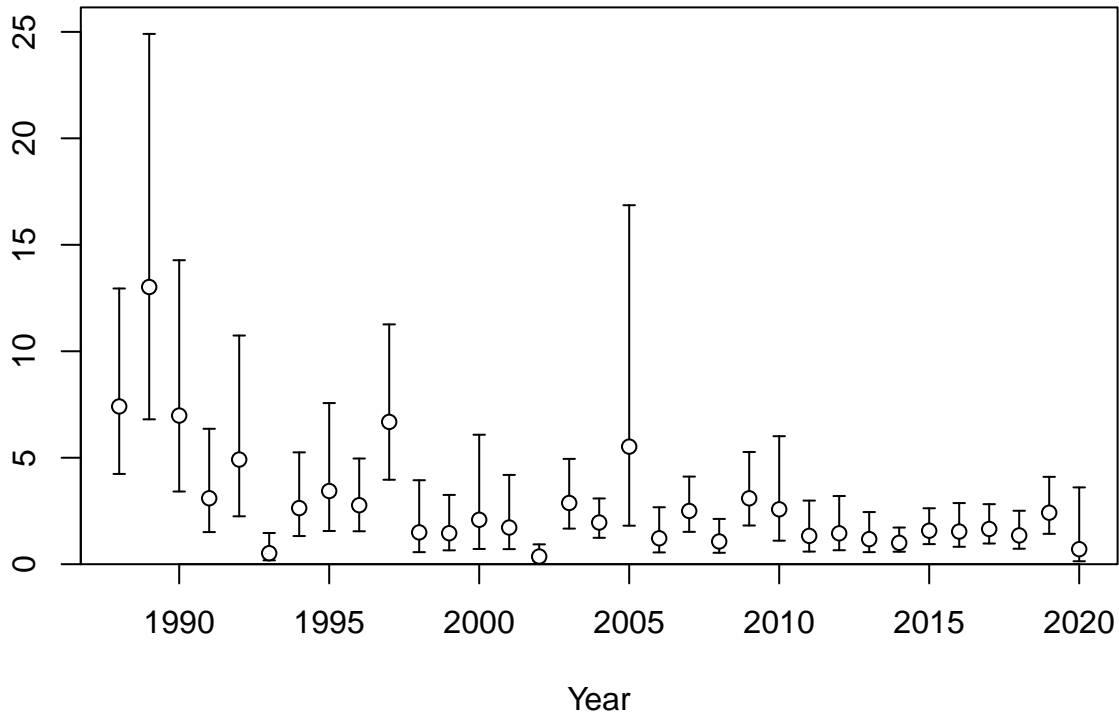


Fishing intensity: 1-SPR

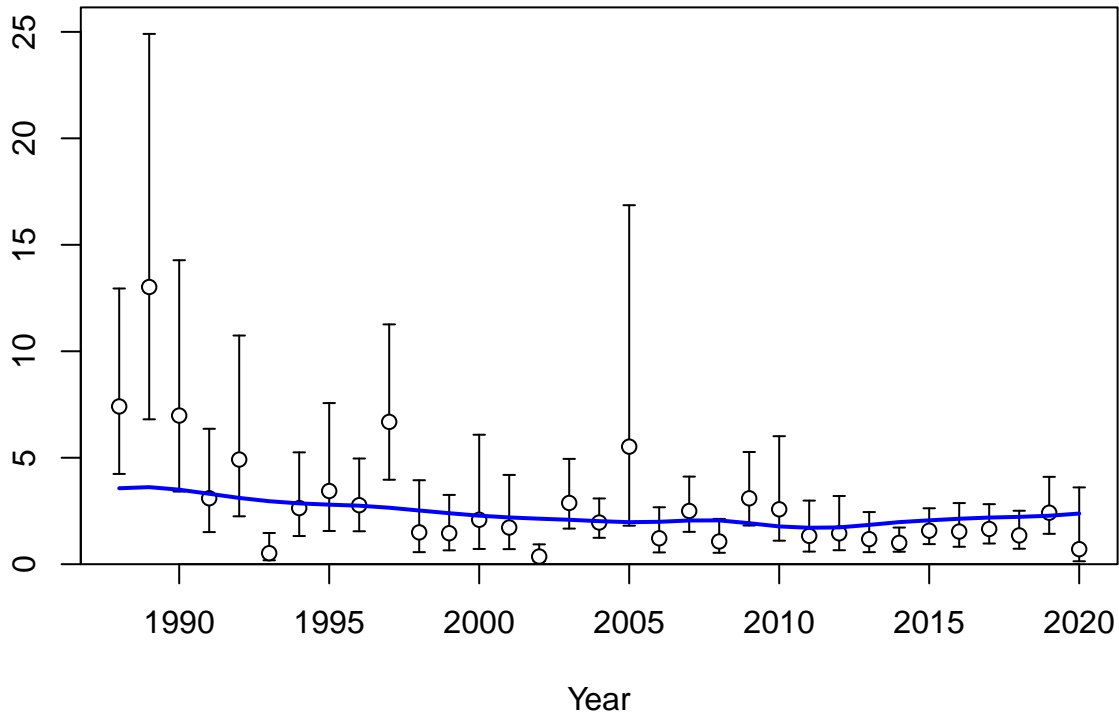


Relative spawning output: B/B_{MSY}

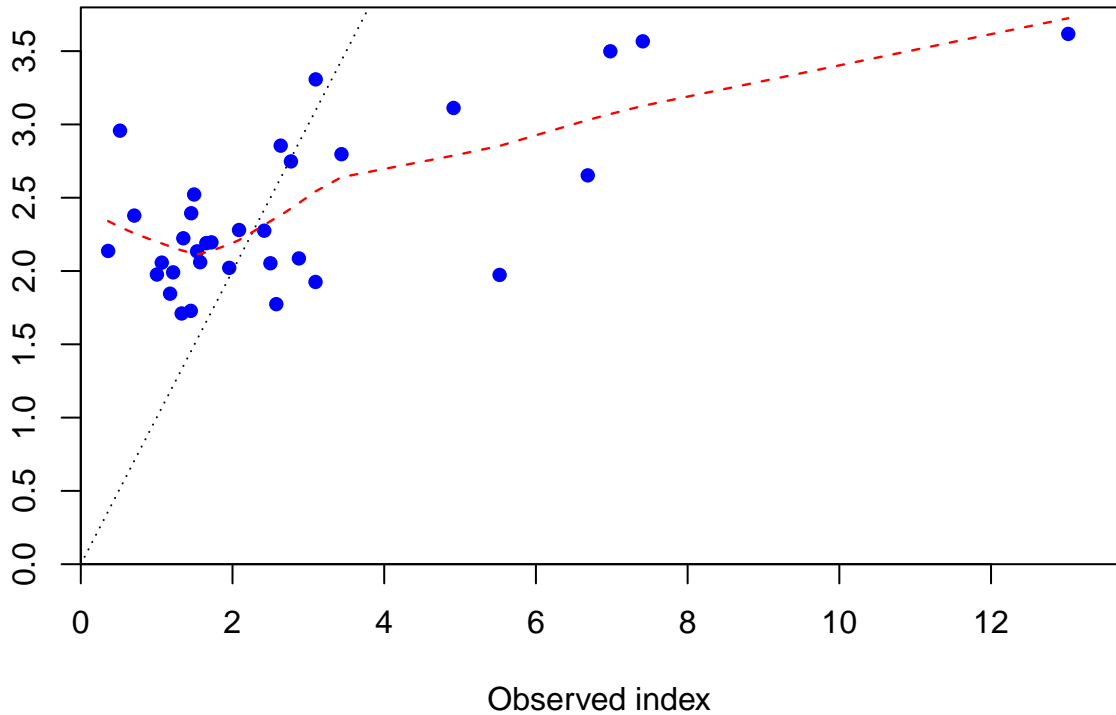
Index

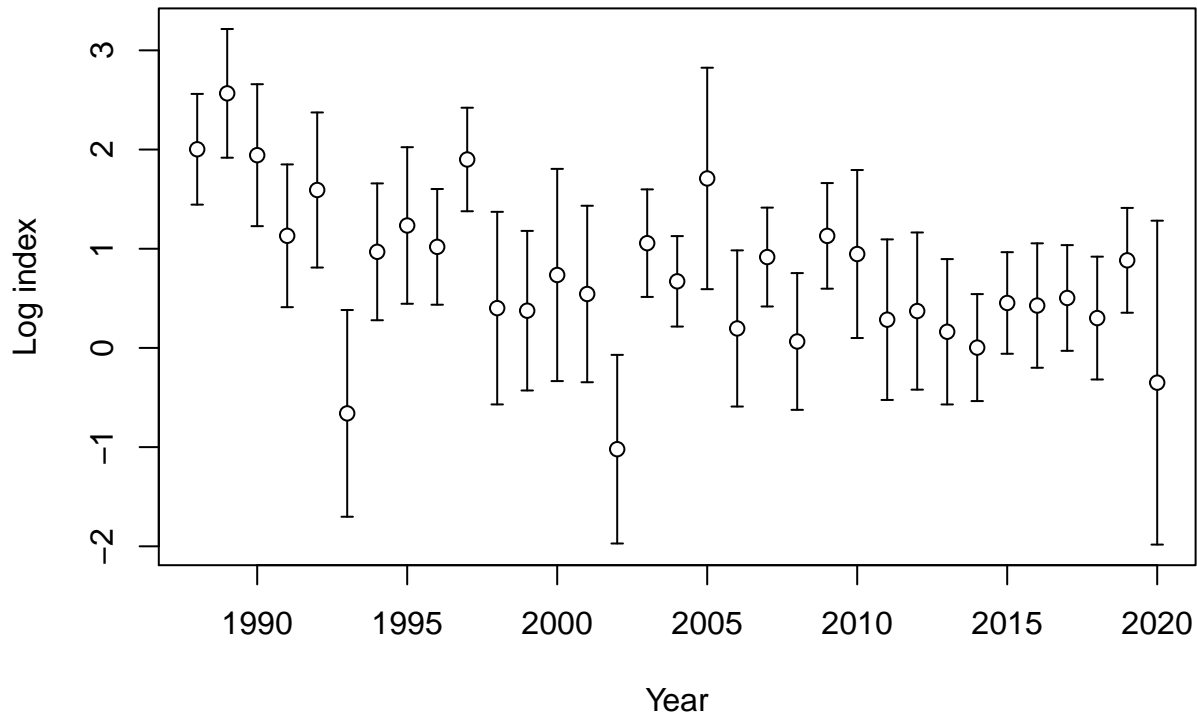


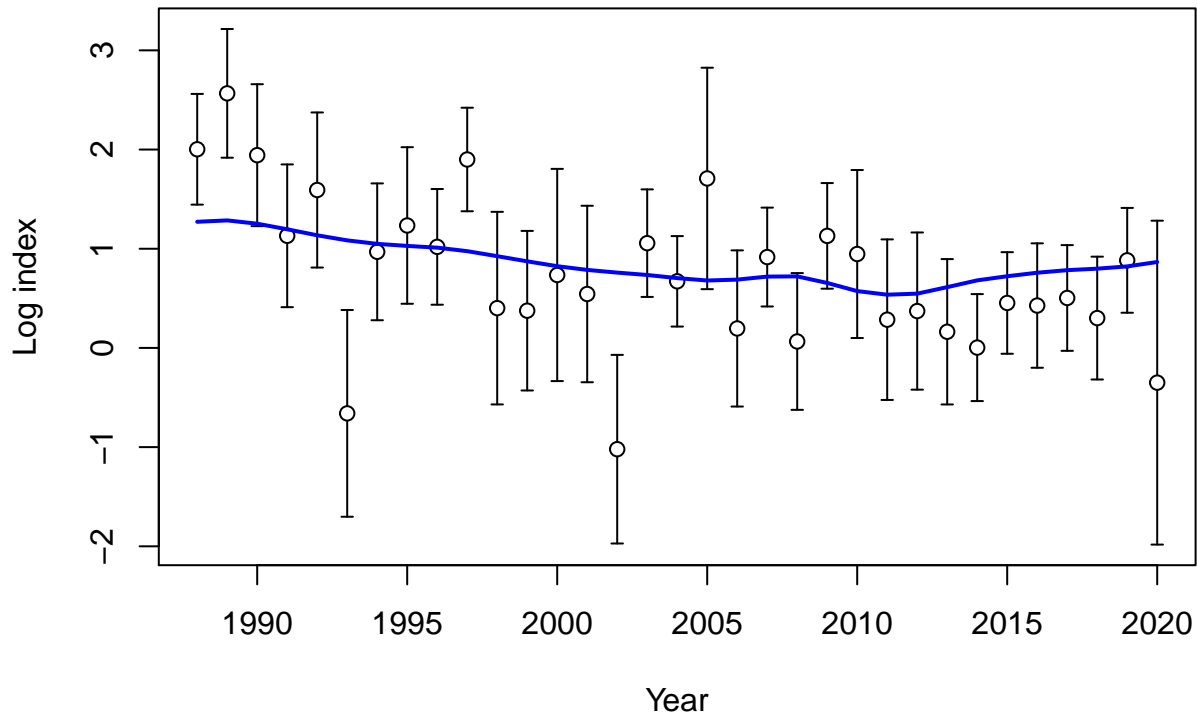
Index

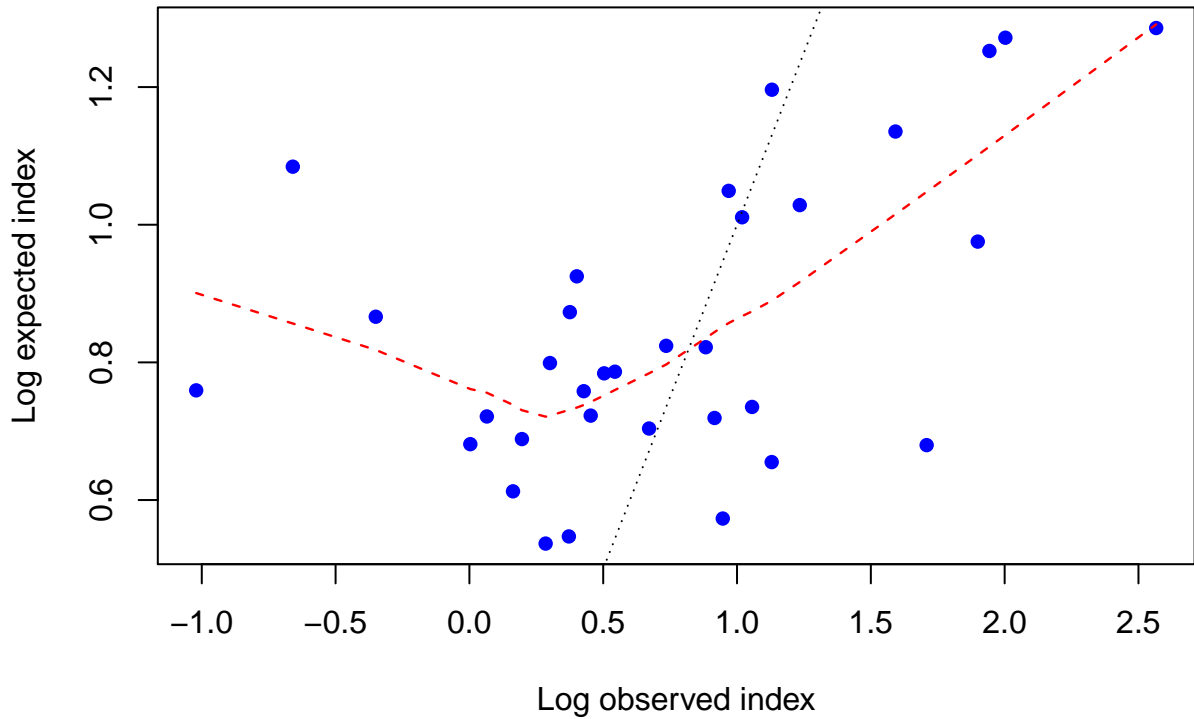


Expected index

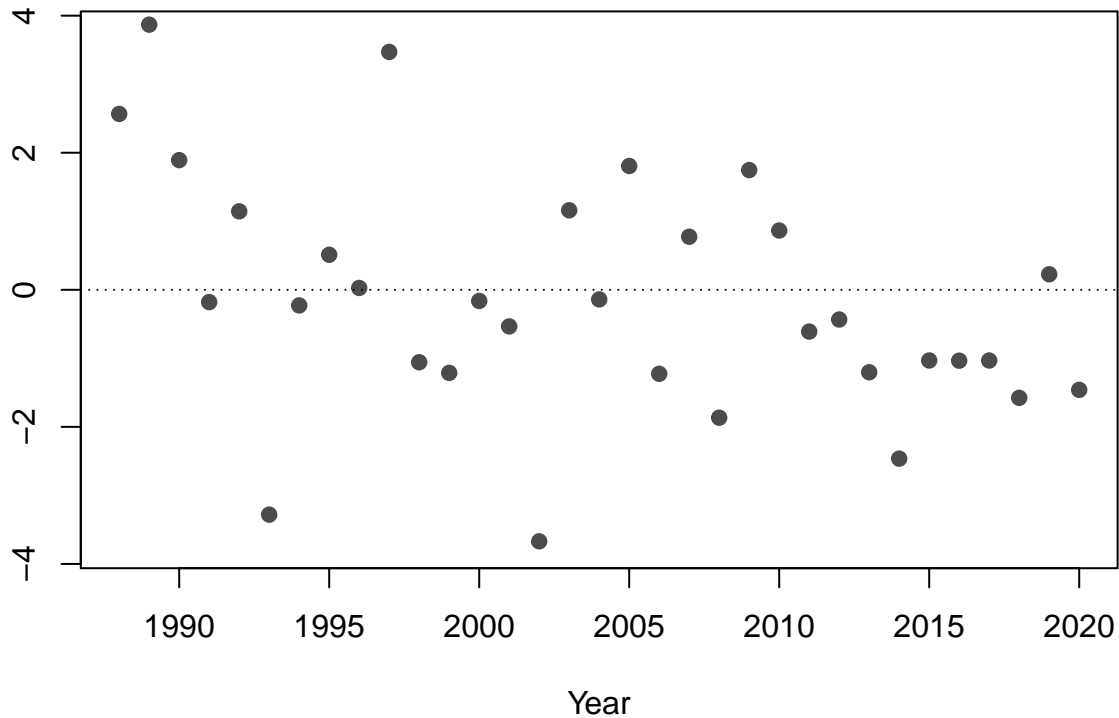


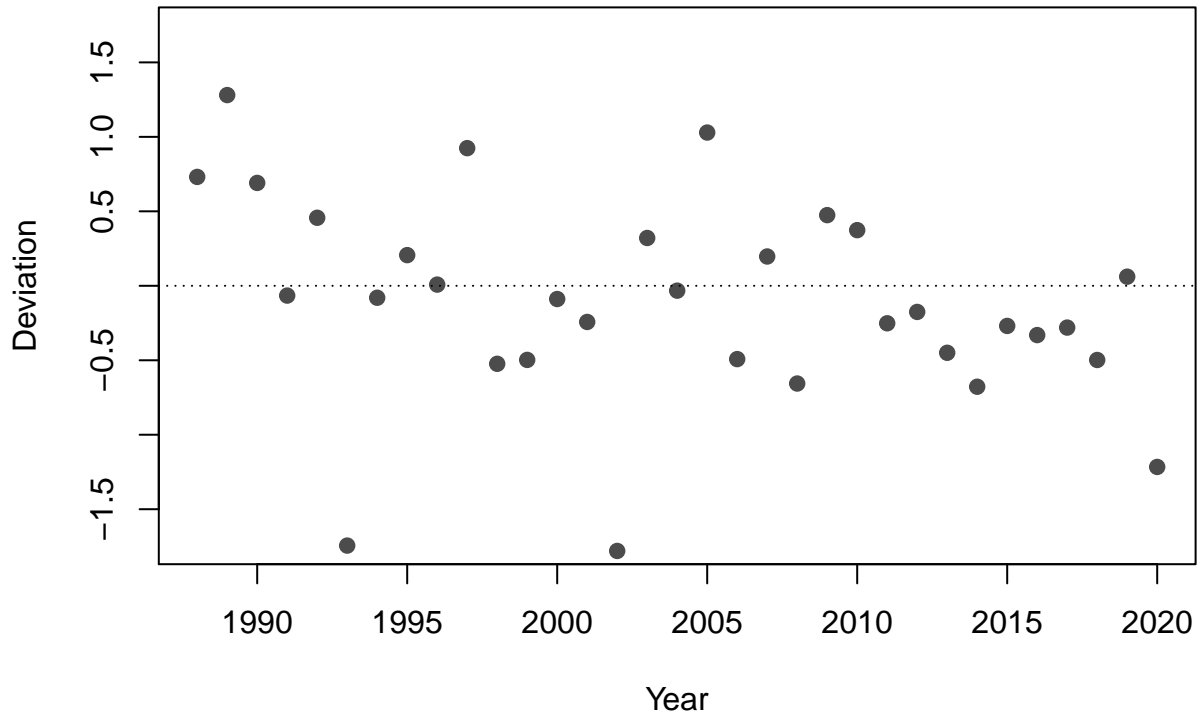




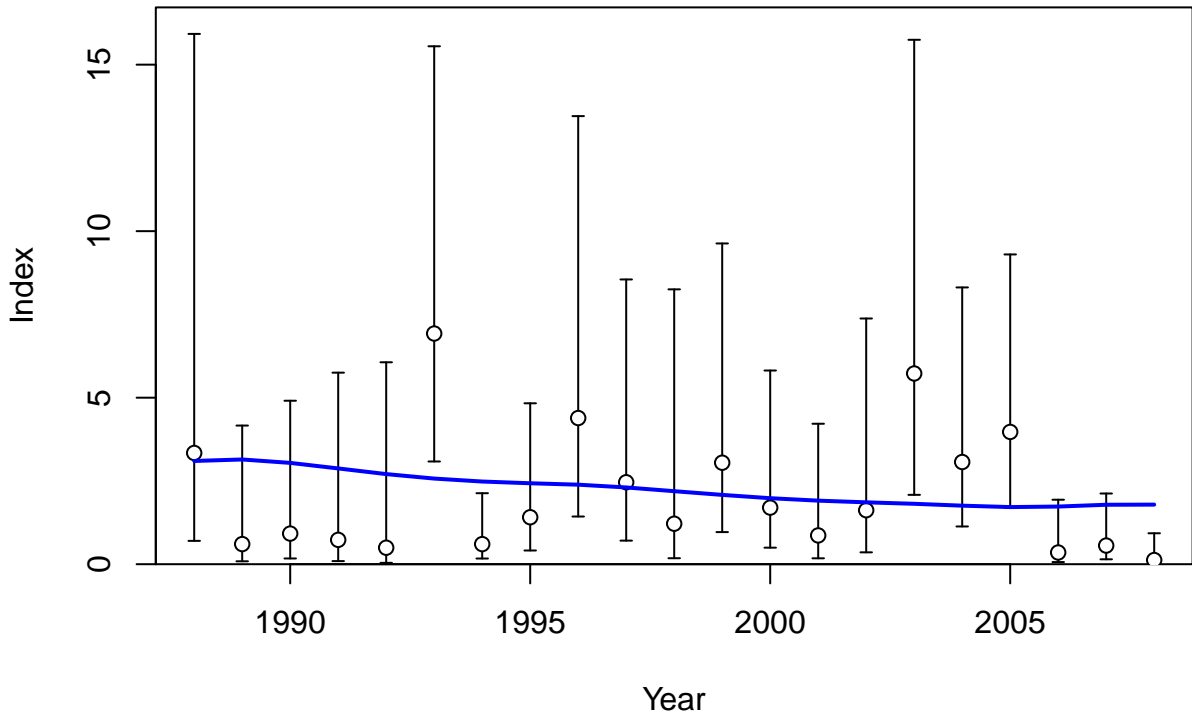


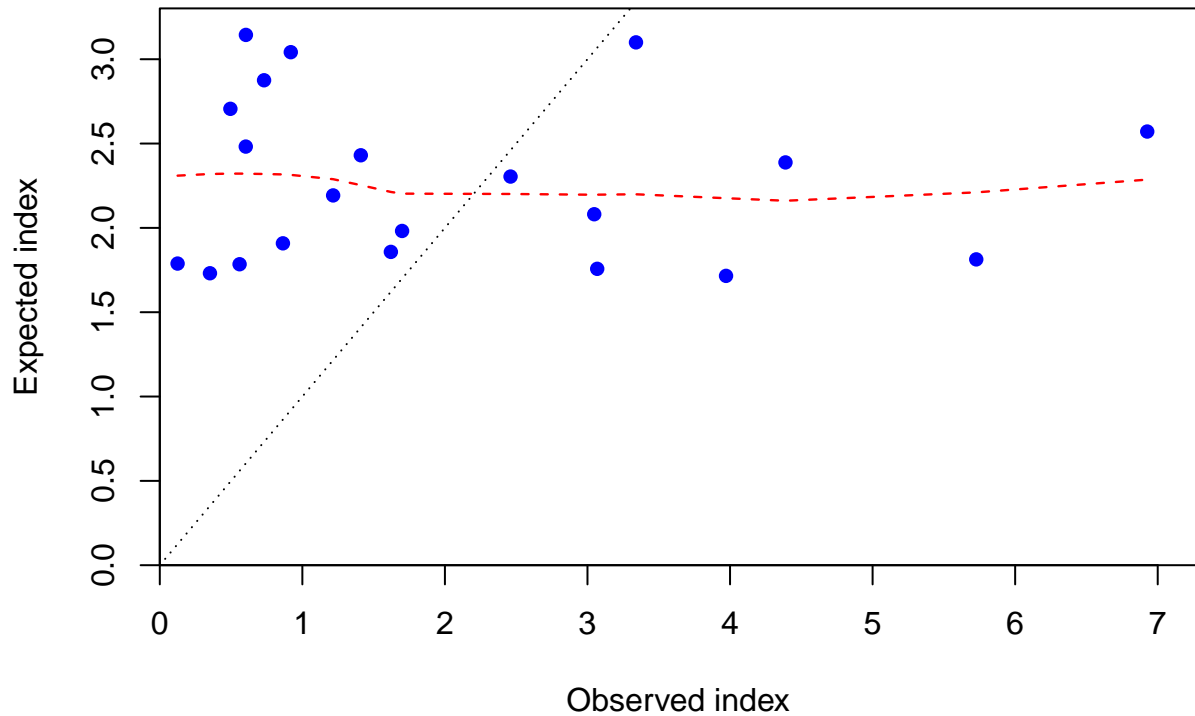
Residual







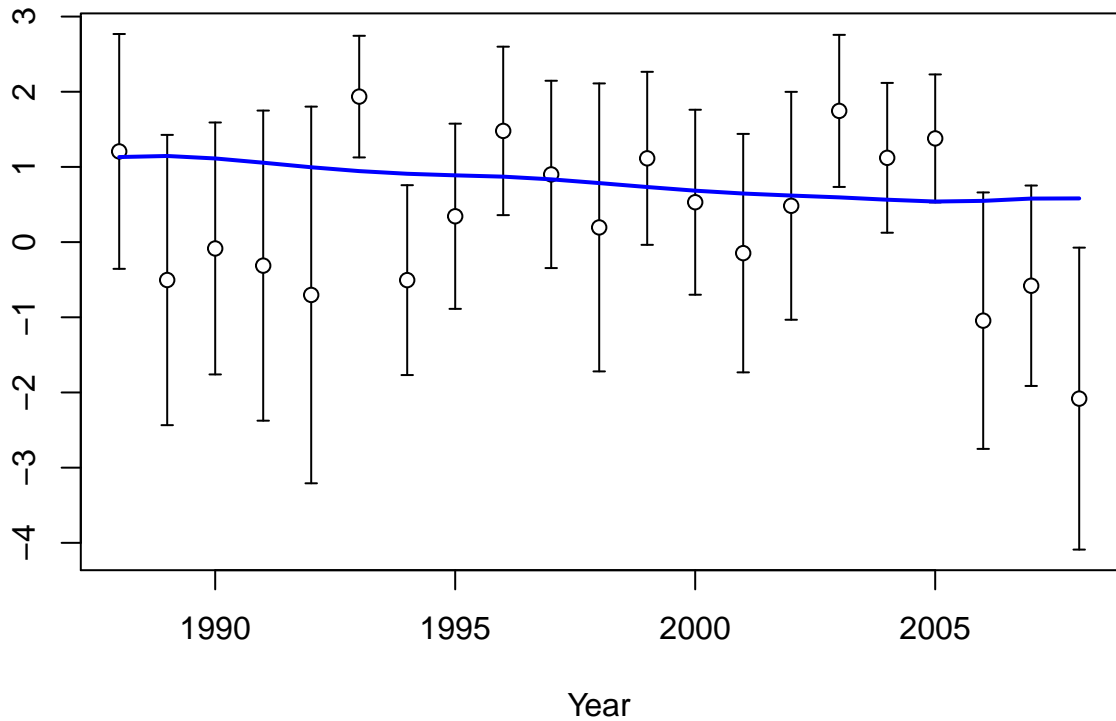


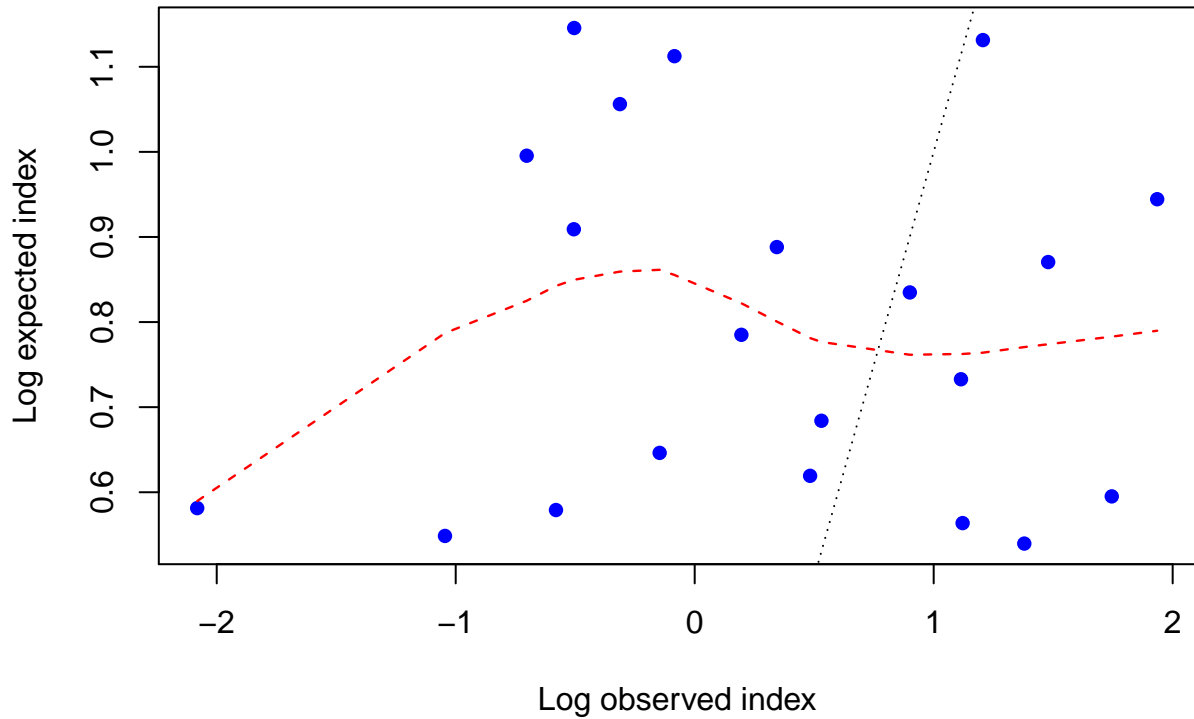


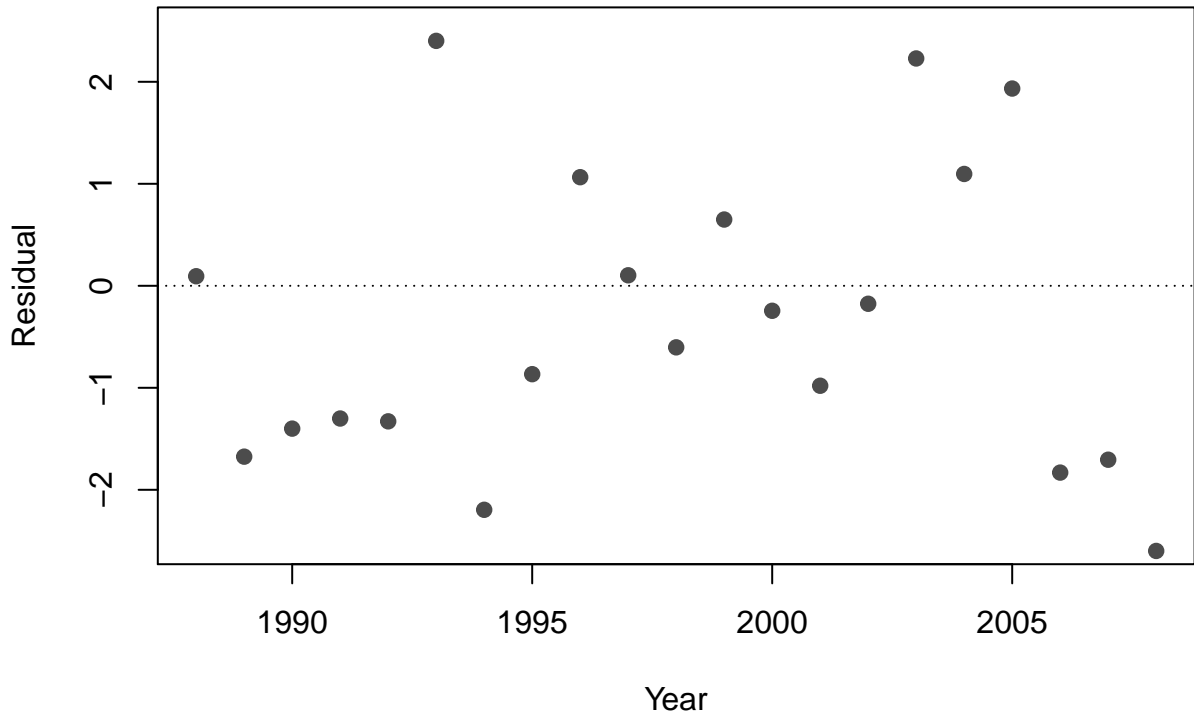
Log index

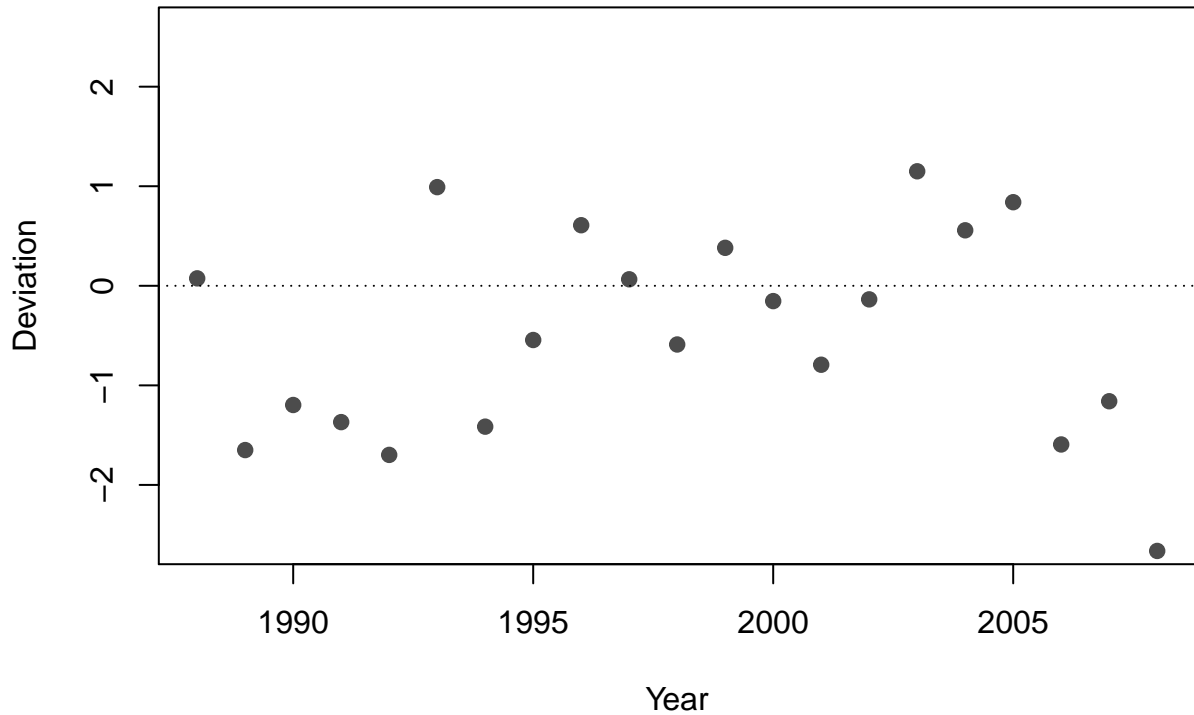


Log index

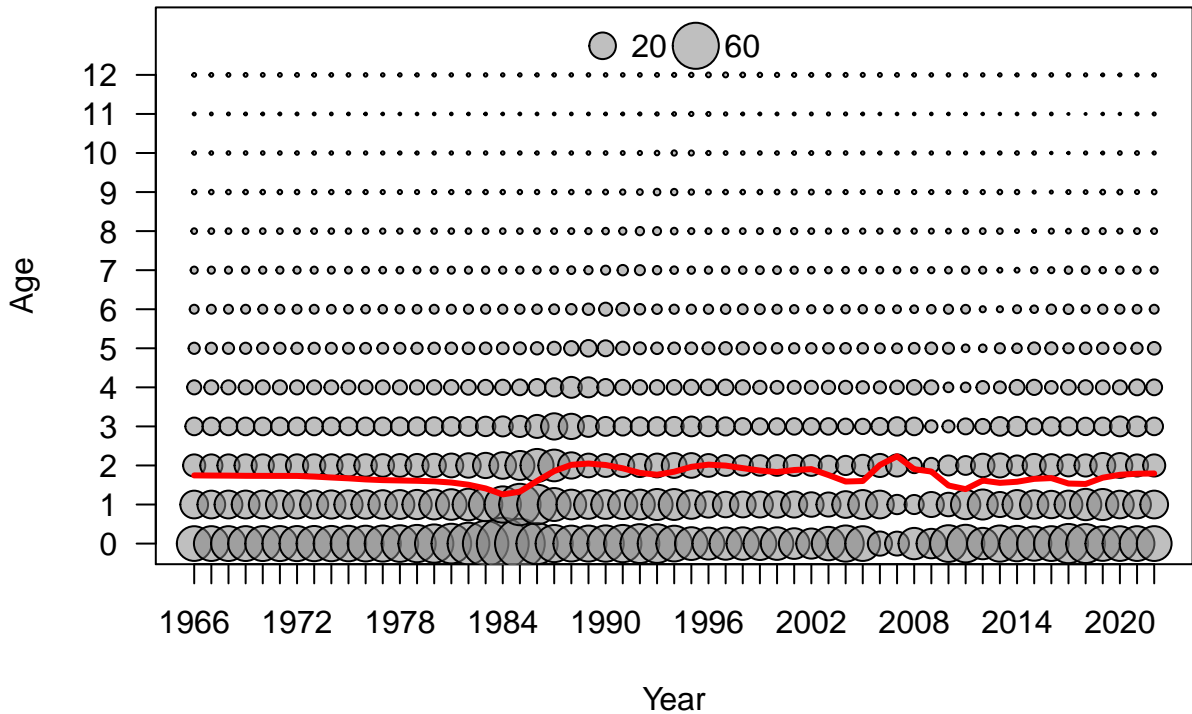




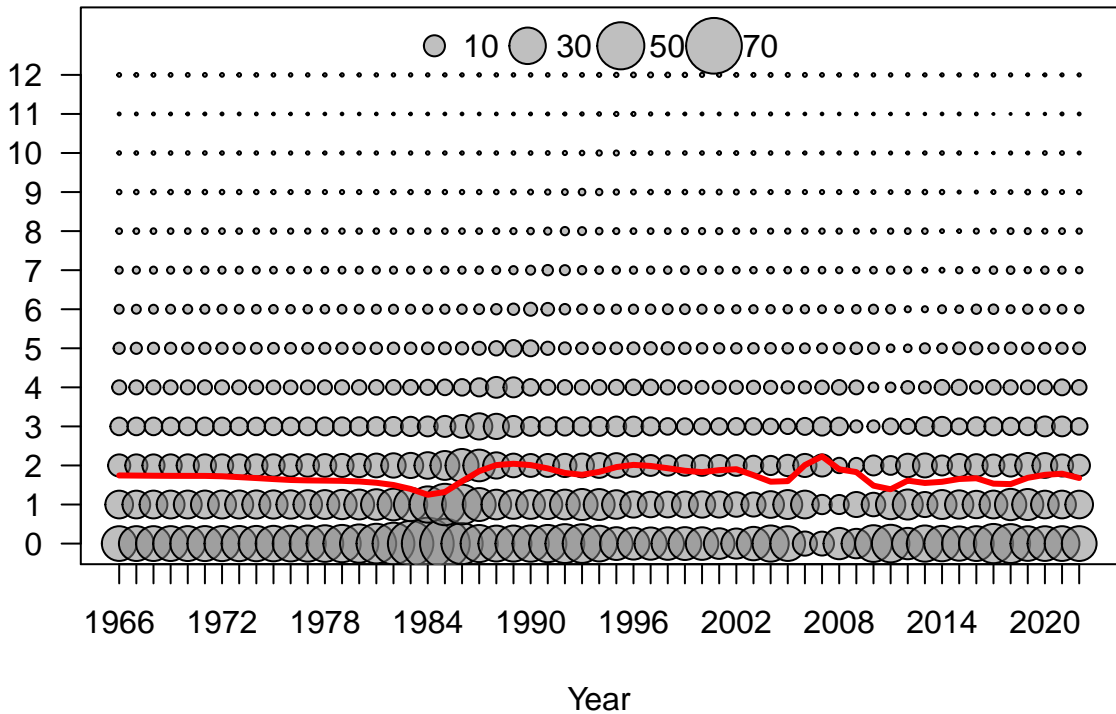


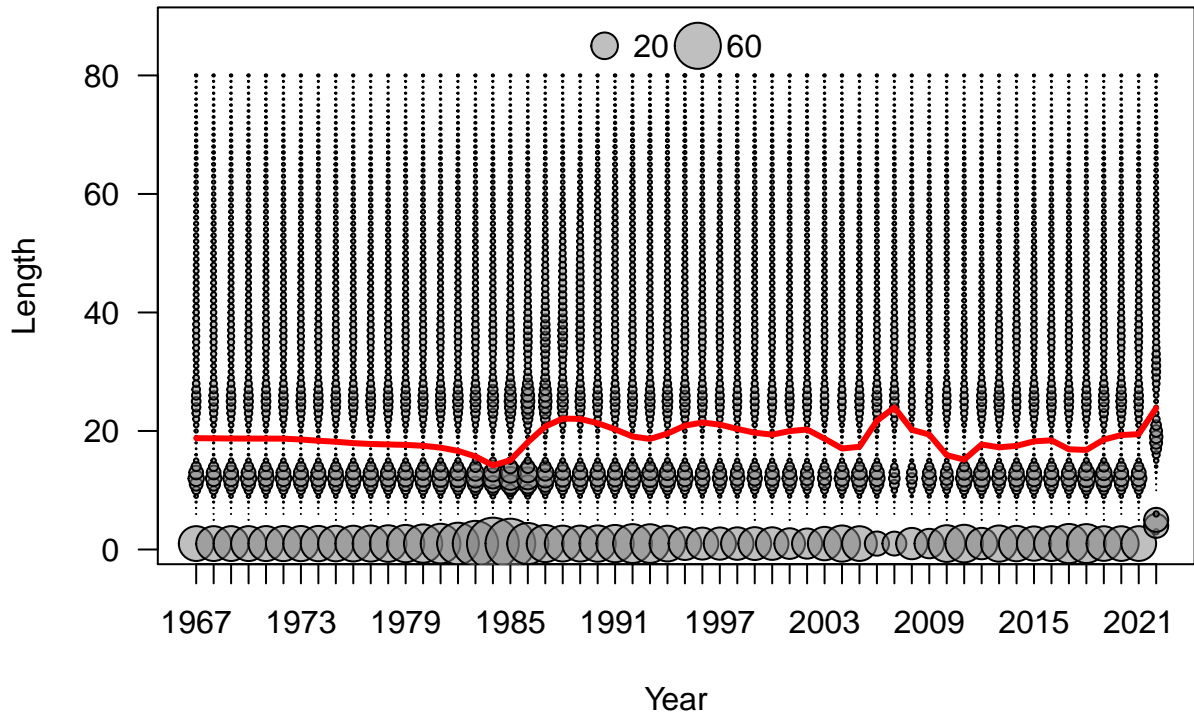


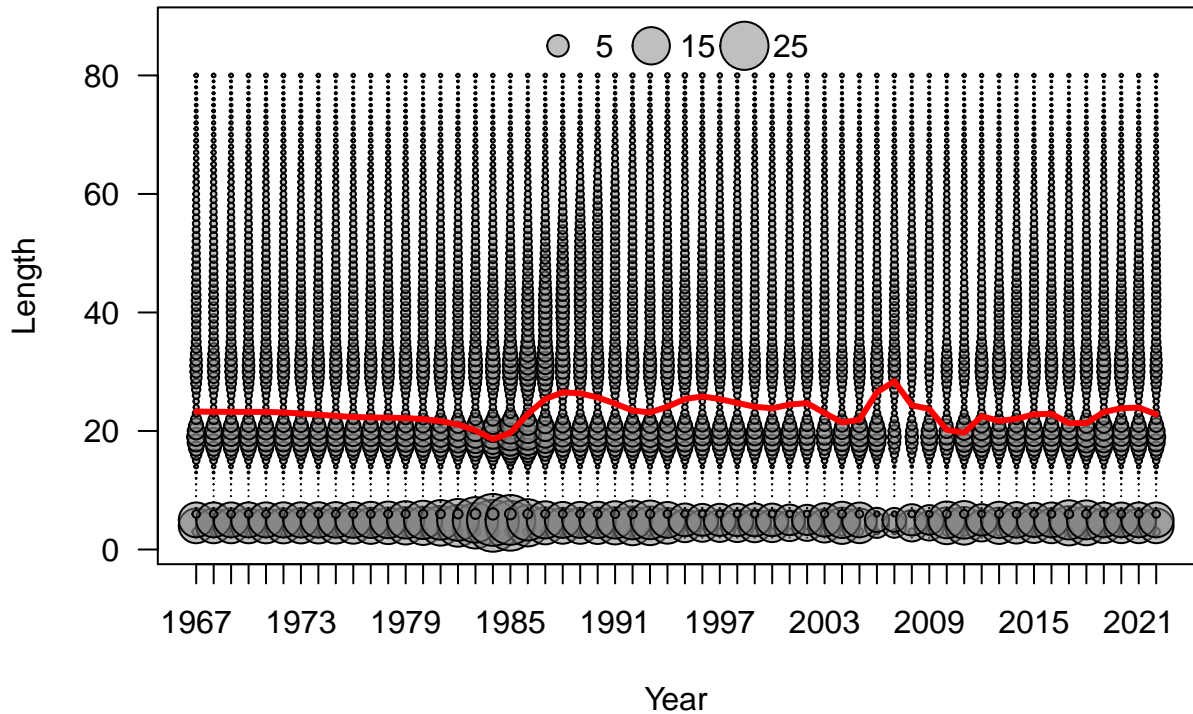


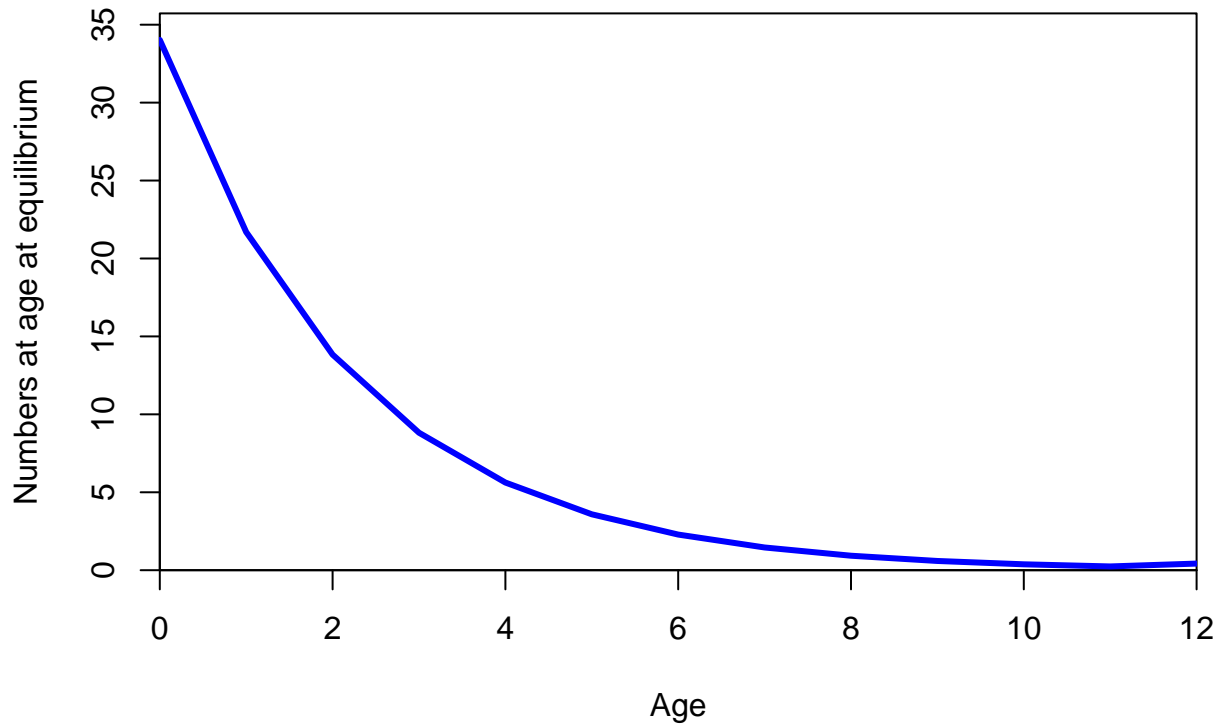


Age



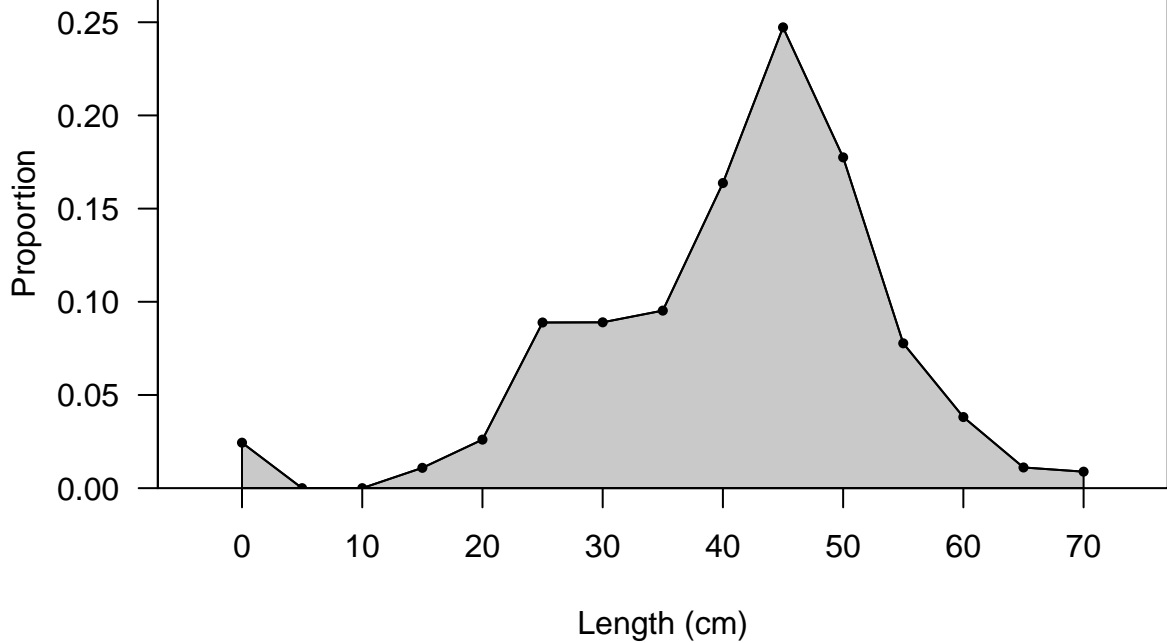


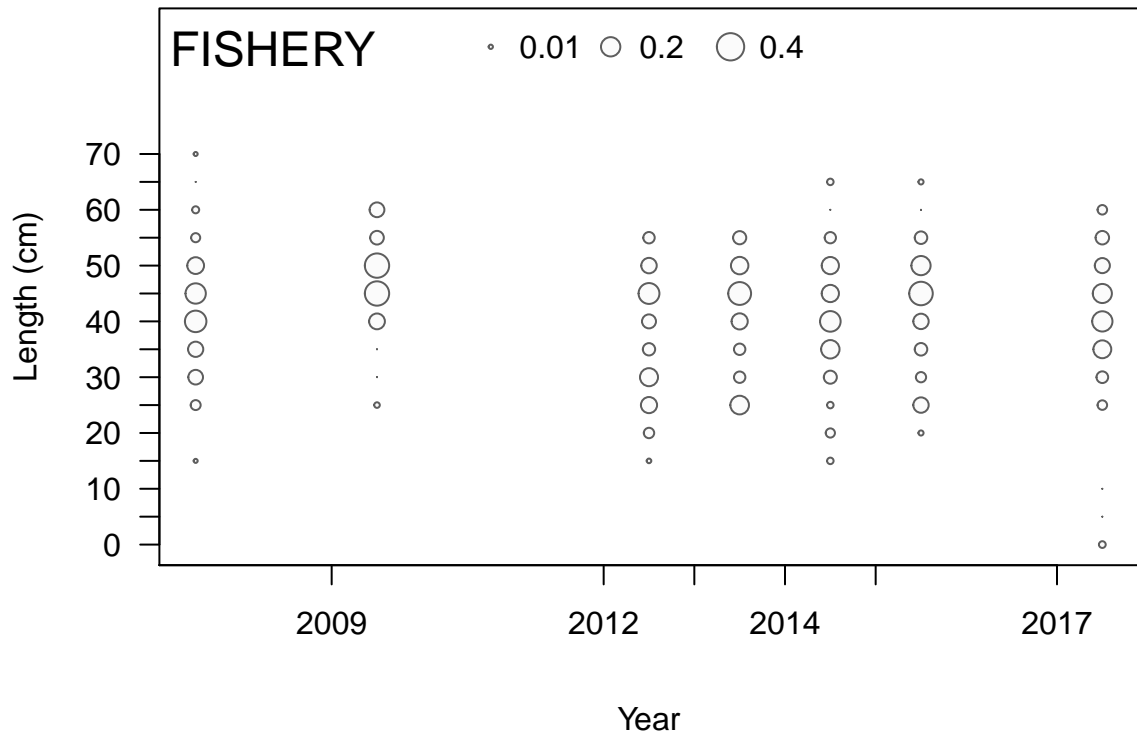




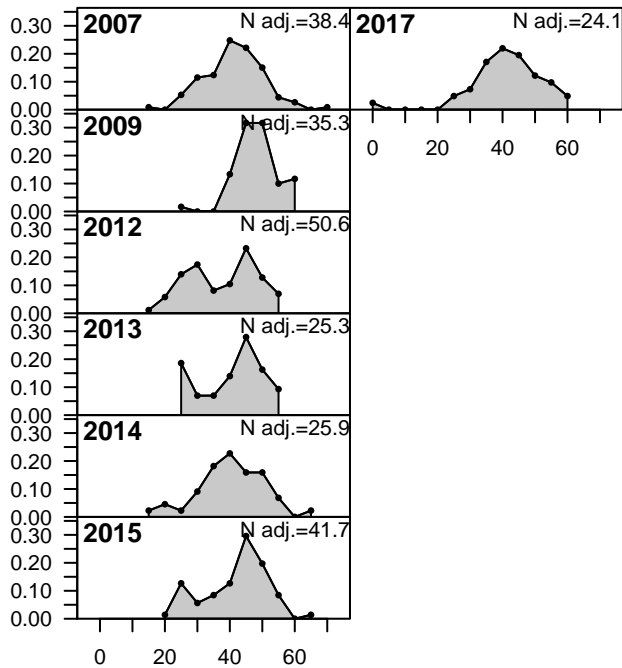
FISHERY

Sum of N adj.=241.2

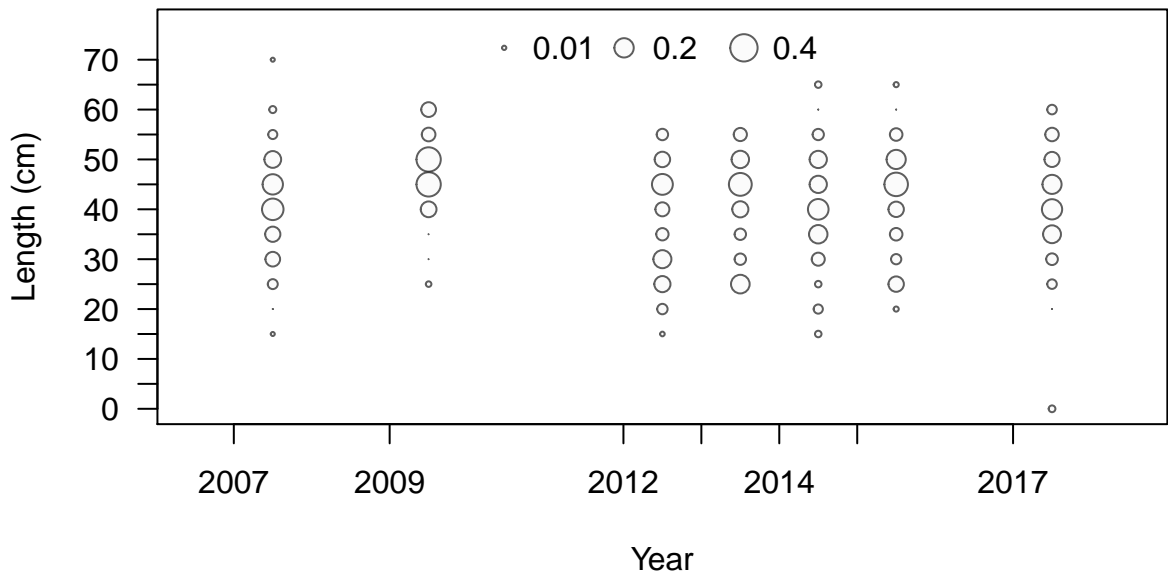




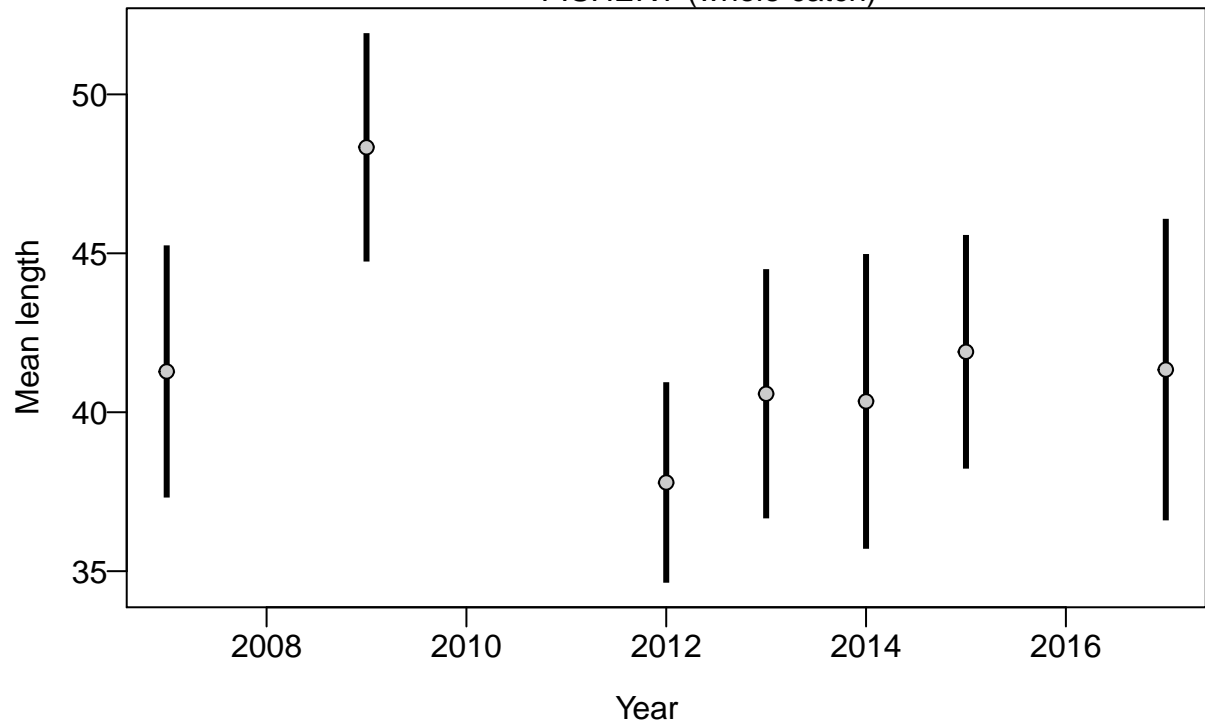
Proportion



Length (cm)

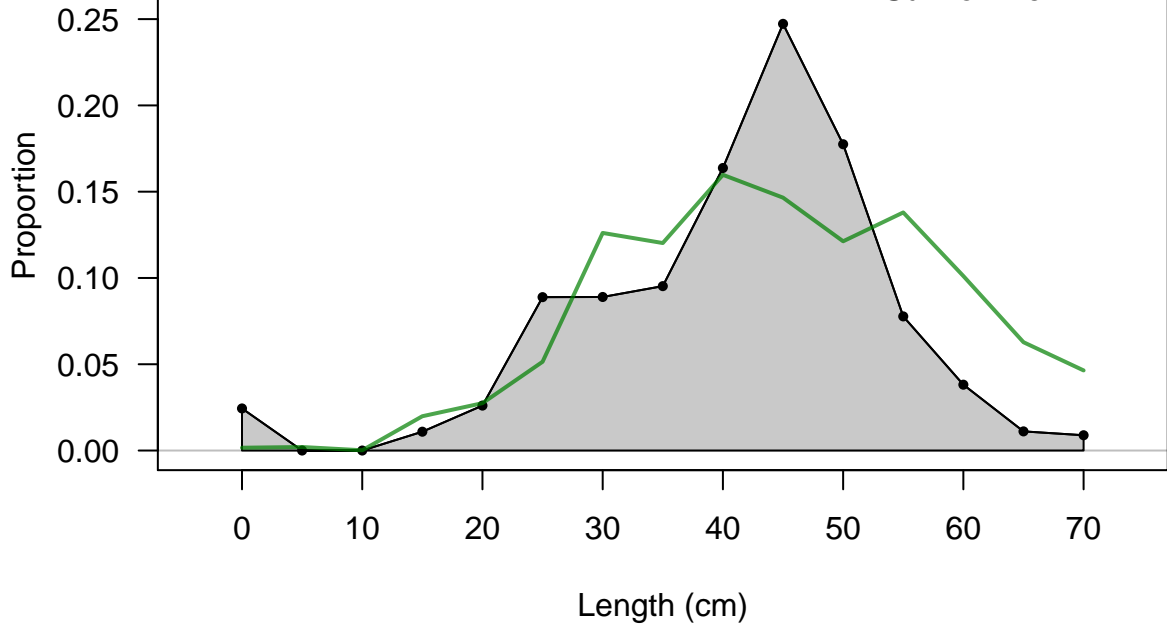


FISHERY (whole catch)



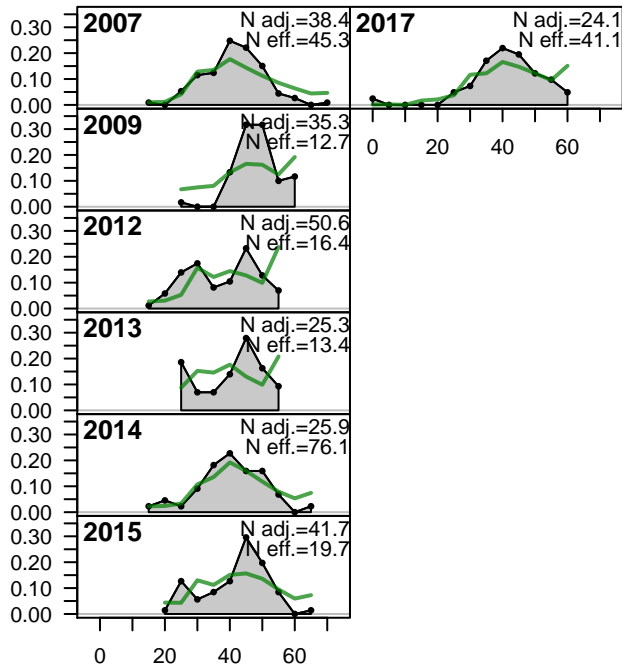
FISHERY

Sum of N adj.=241.2
Sum of N eff.=224.7

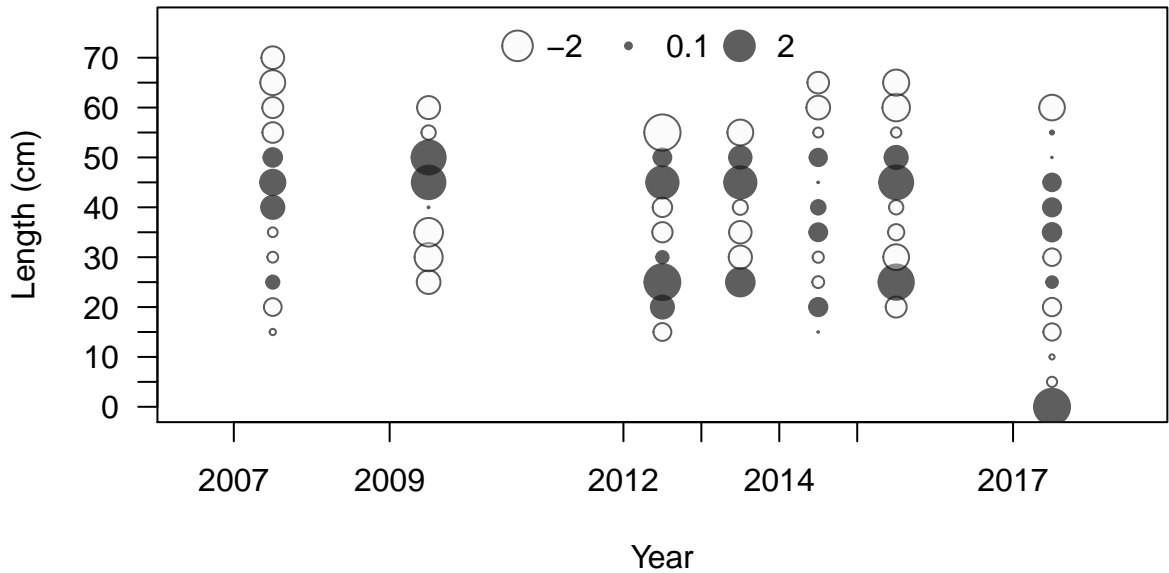




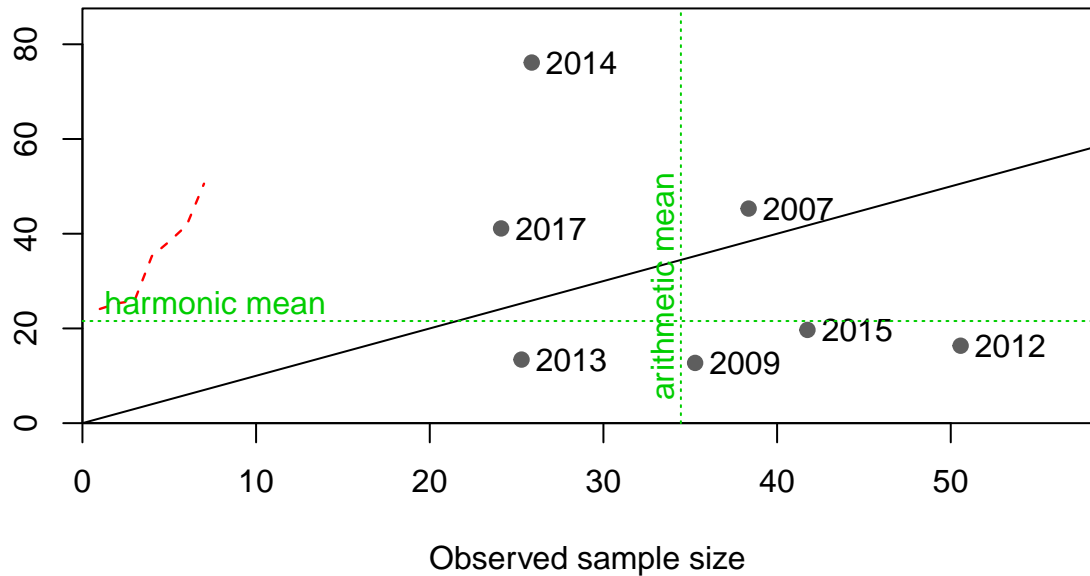
Proportion



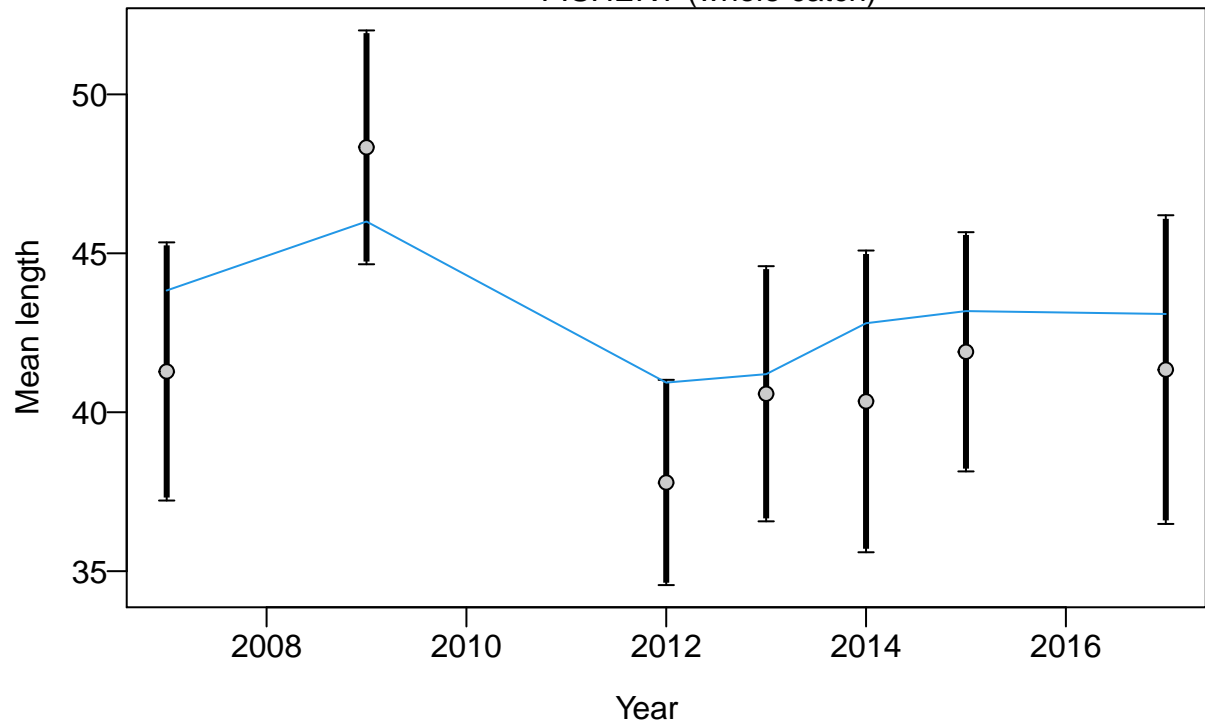
Length (cm)

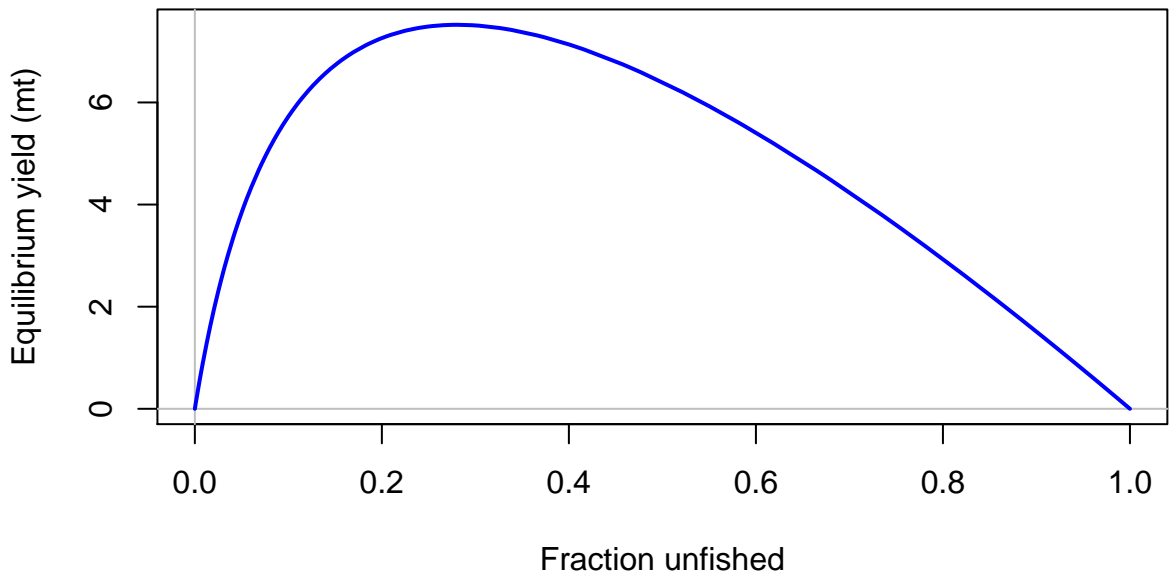


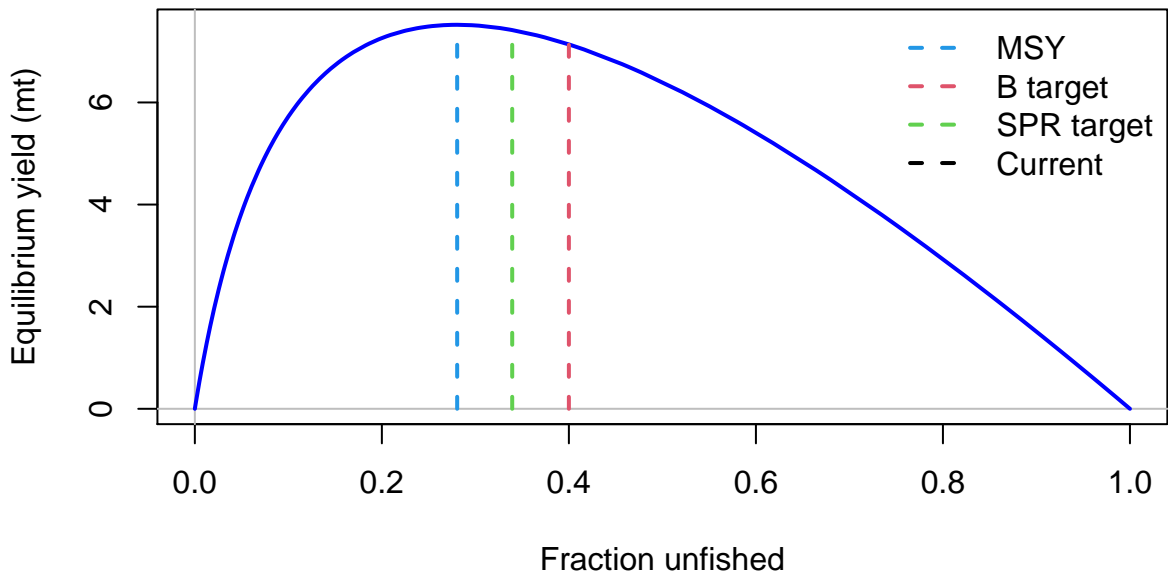
Effective sample size

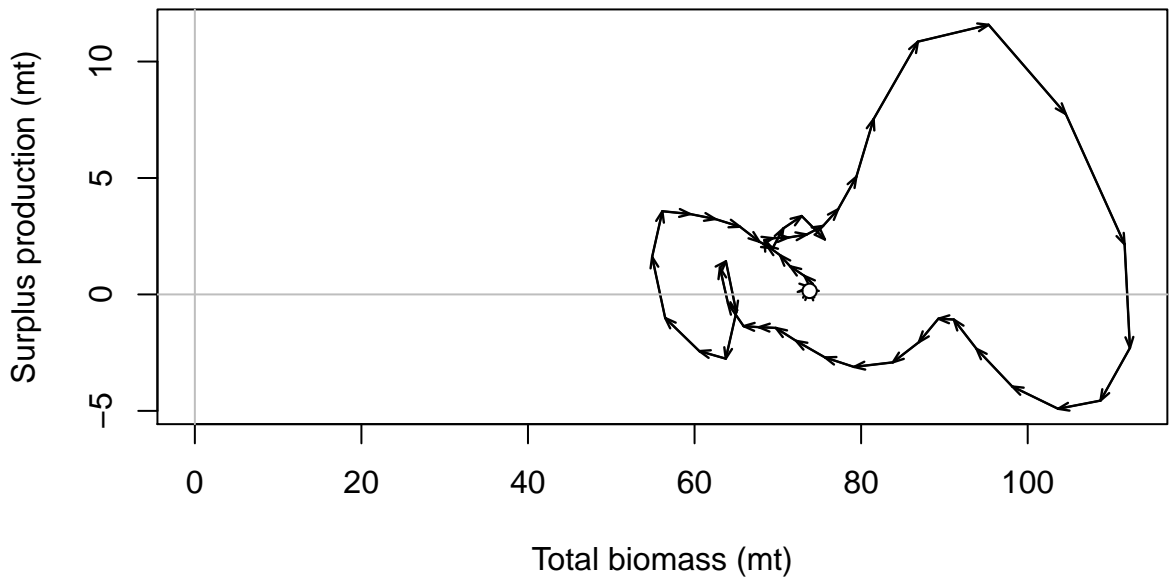


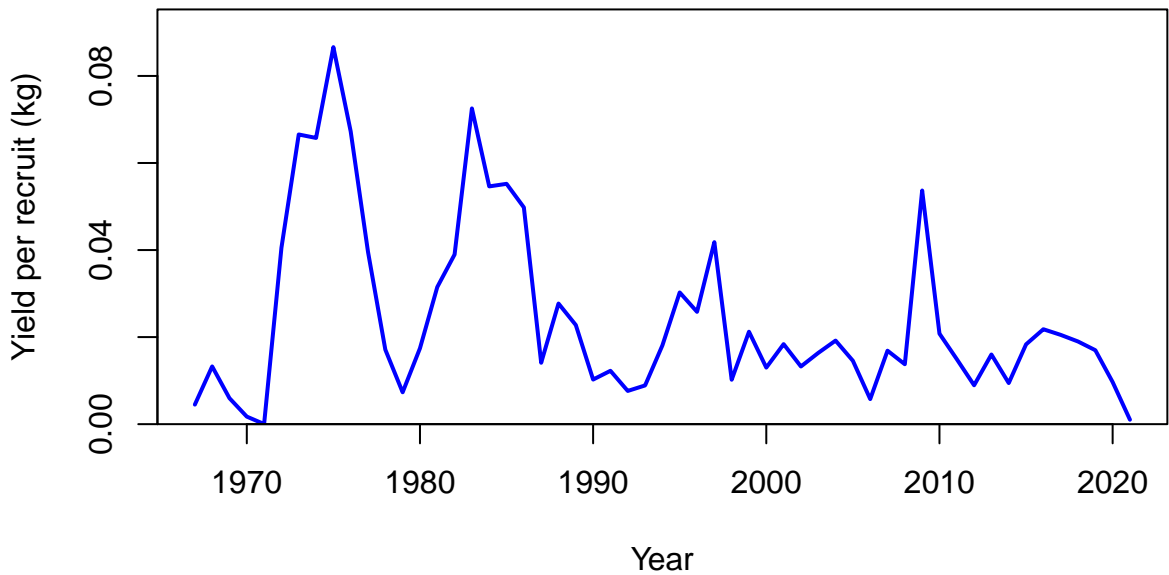
FISHERY (whole catch)

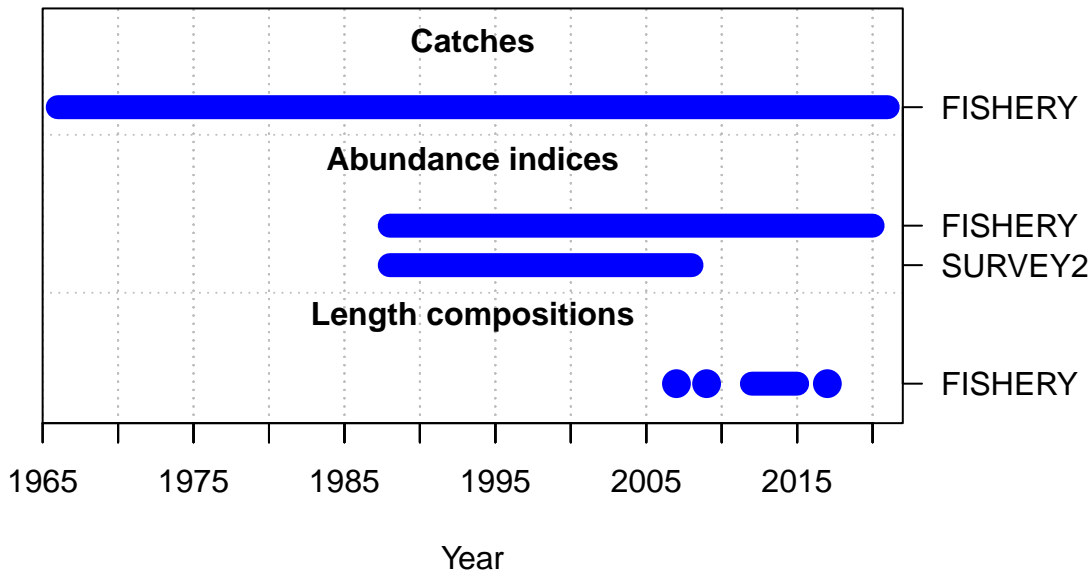


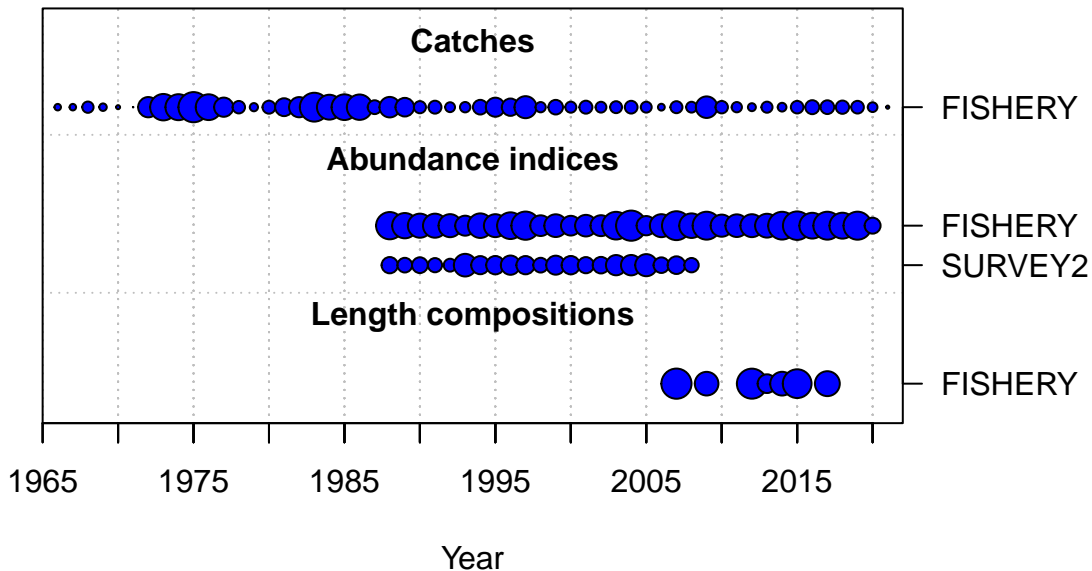






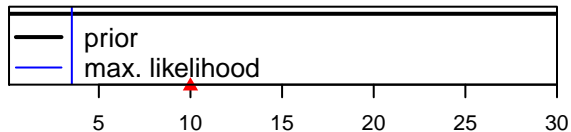




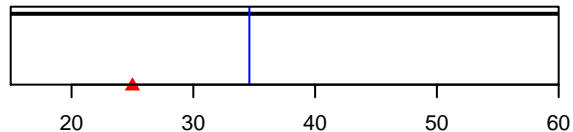


Density

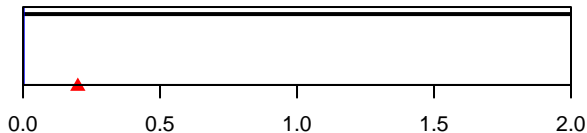
SR_LN(R0)



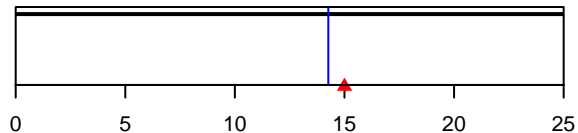
Size_inflection_FISHERY(1)



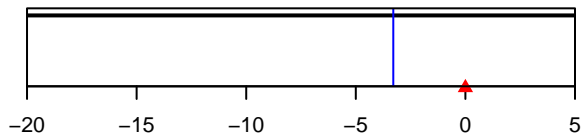
InitF_seas_1_flt_1FISHERY



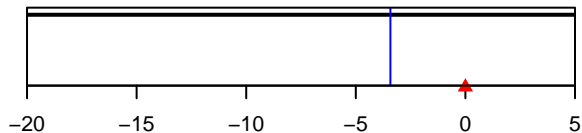
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value