

Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Jul 12 14:35:23 2022
Data_File: data.ss
Control_File: control.ss

Length (cm, beginning of the year)

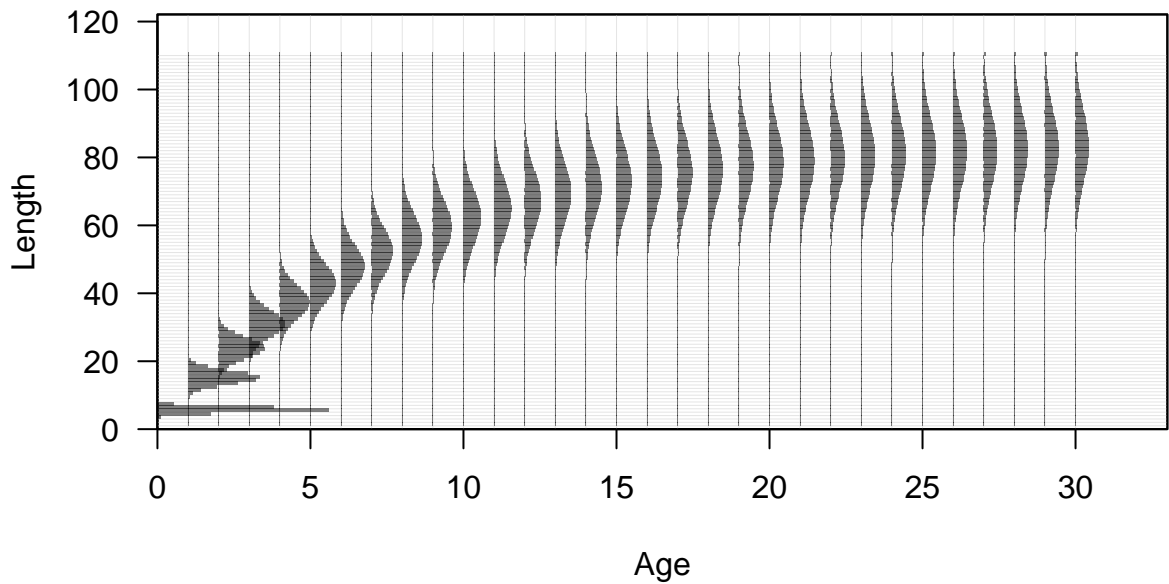


Age (yr)

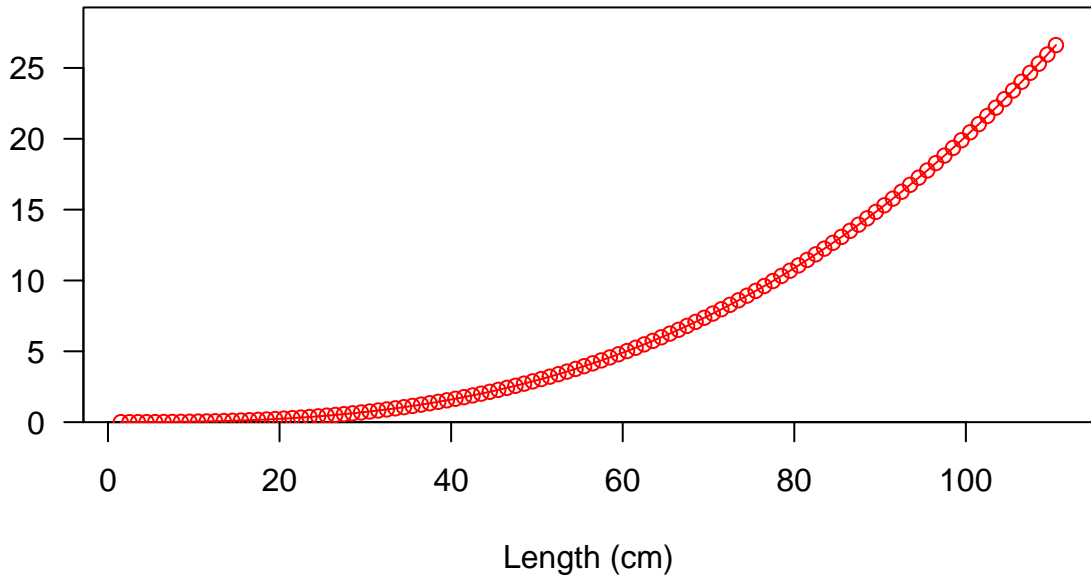






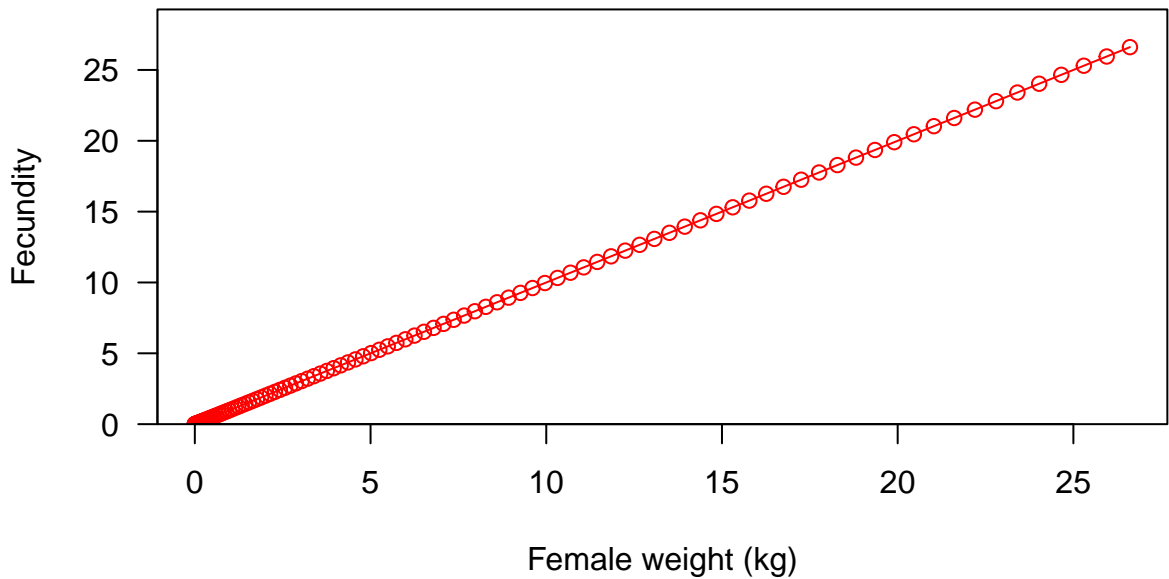


Mean weight (kg) in last year

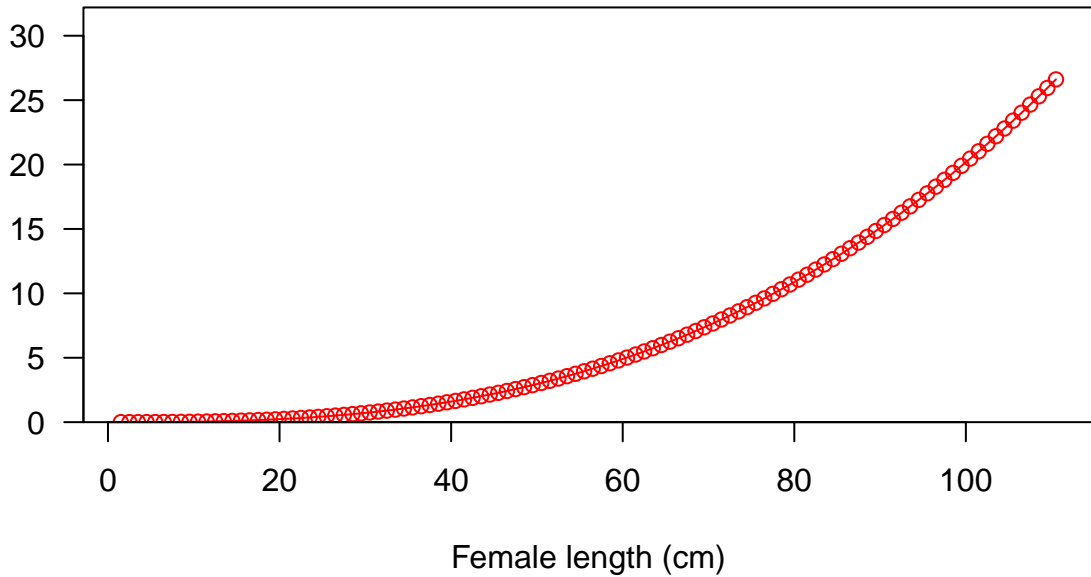




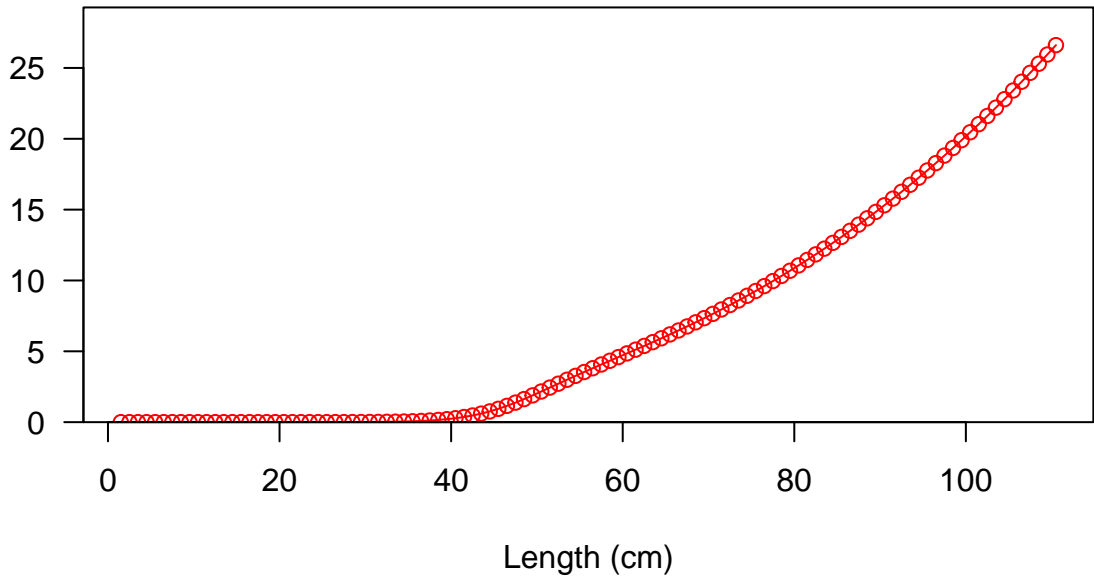




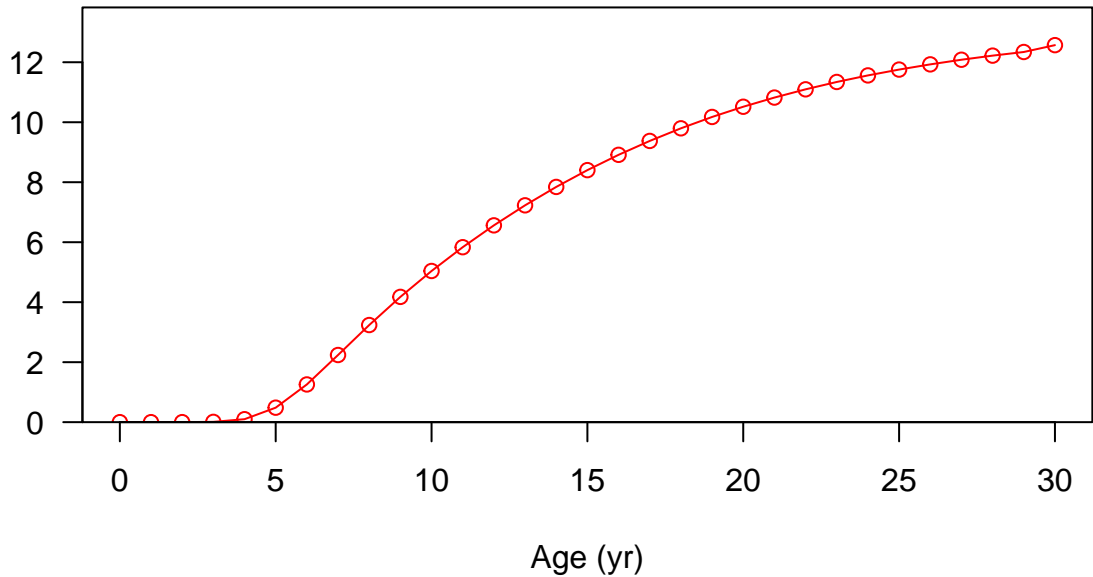
Fecundity



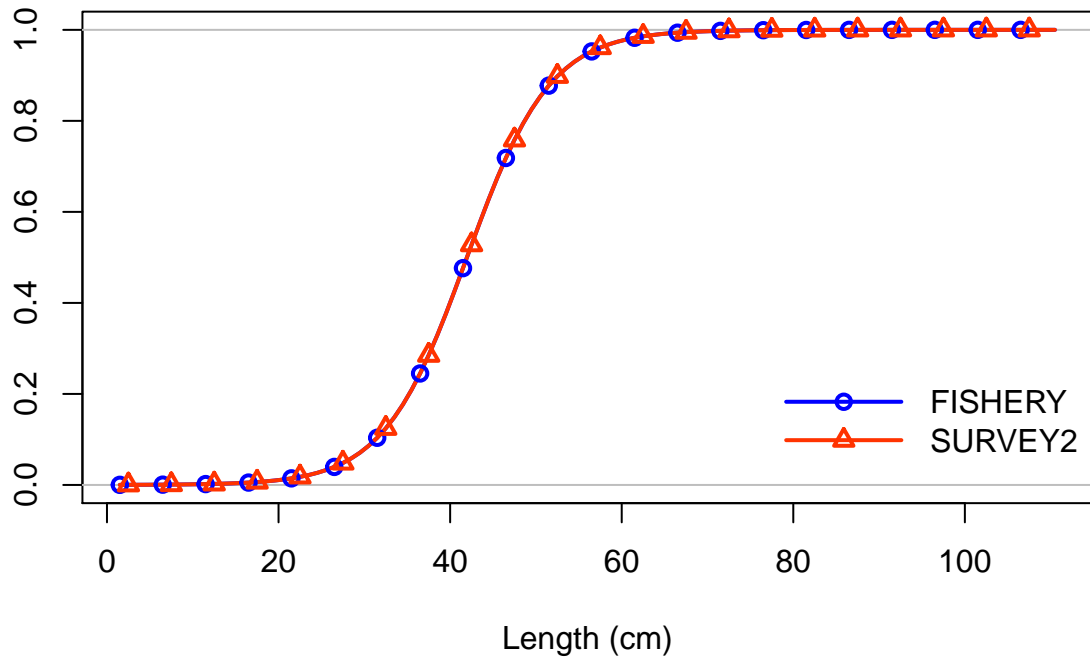
Spawning output



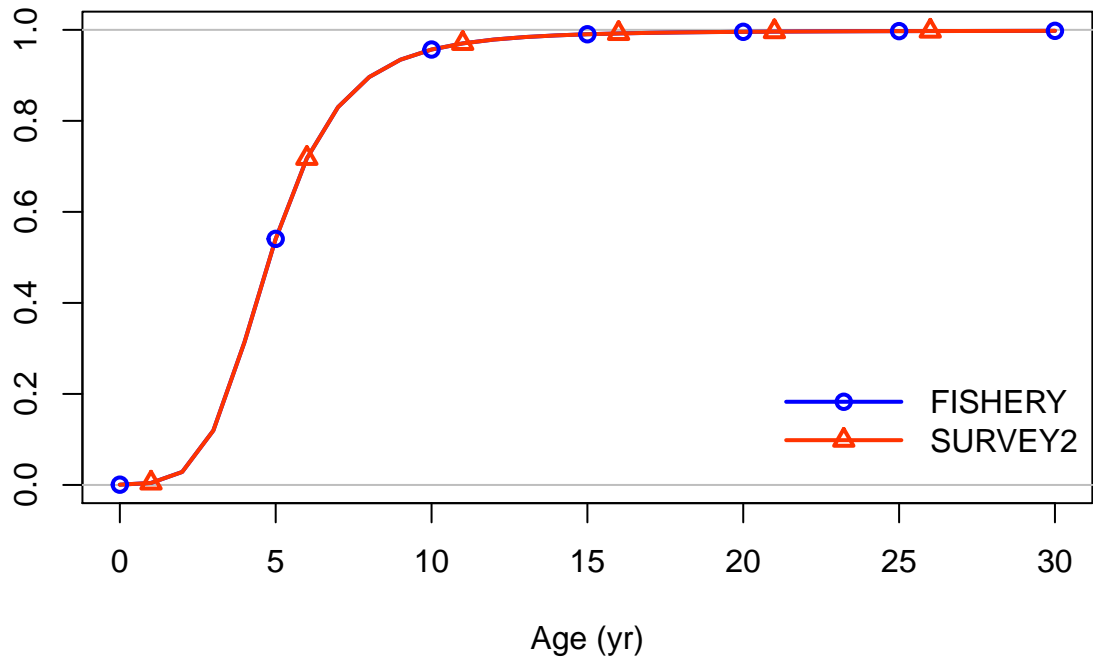
Spawning output



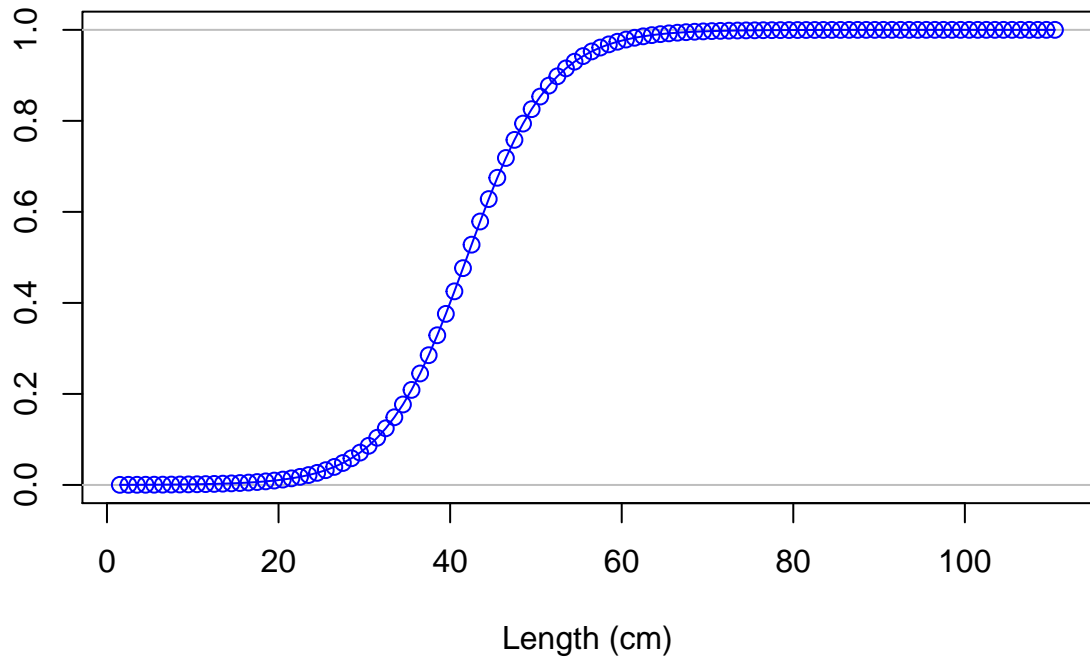
Selectivity



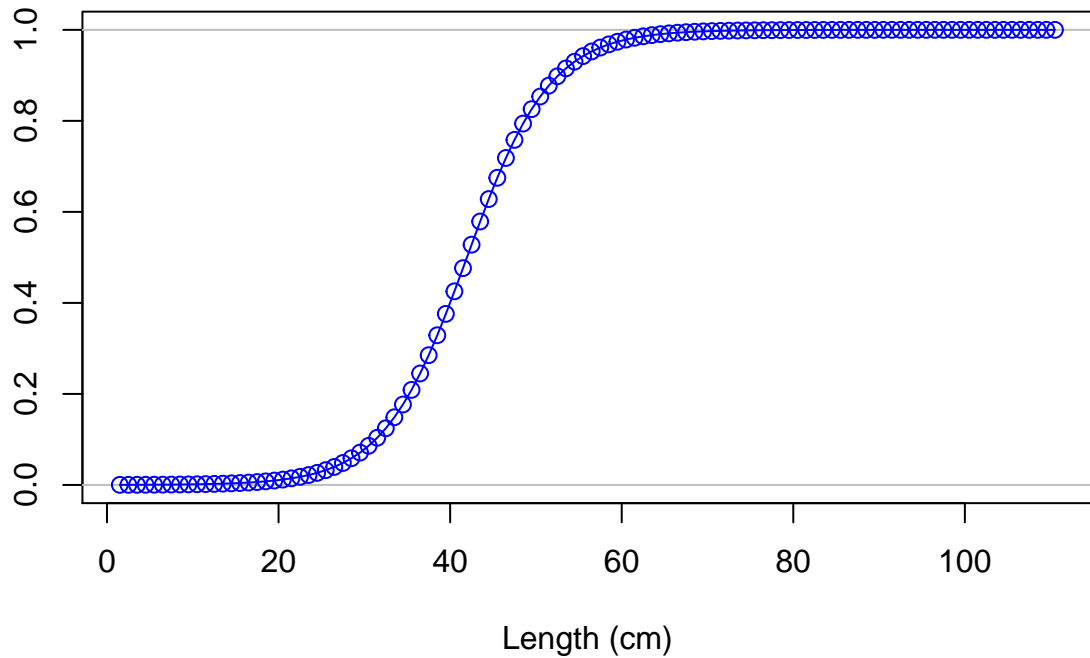
Selectivity

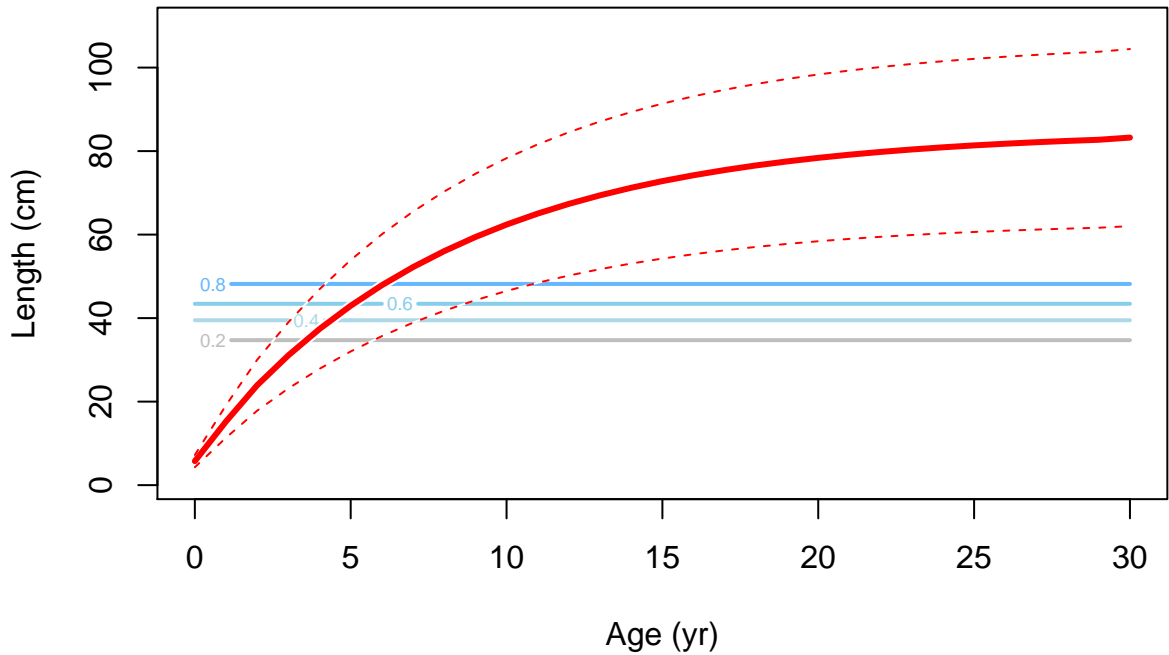


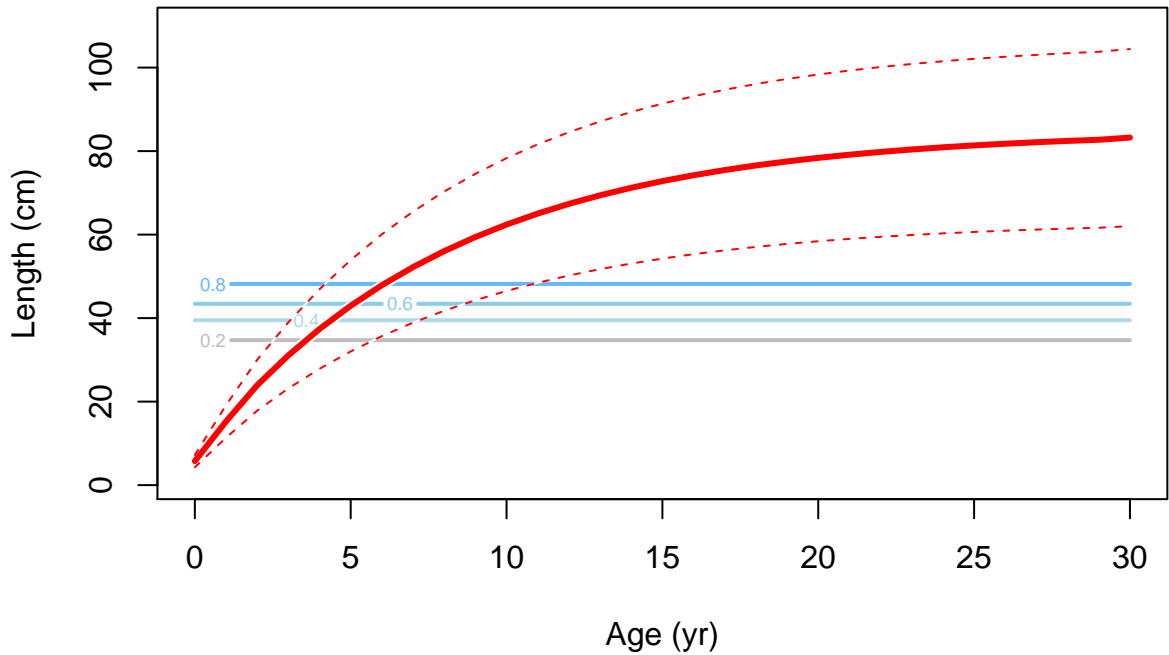
Selectivity



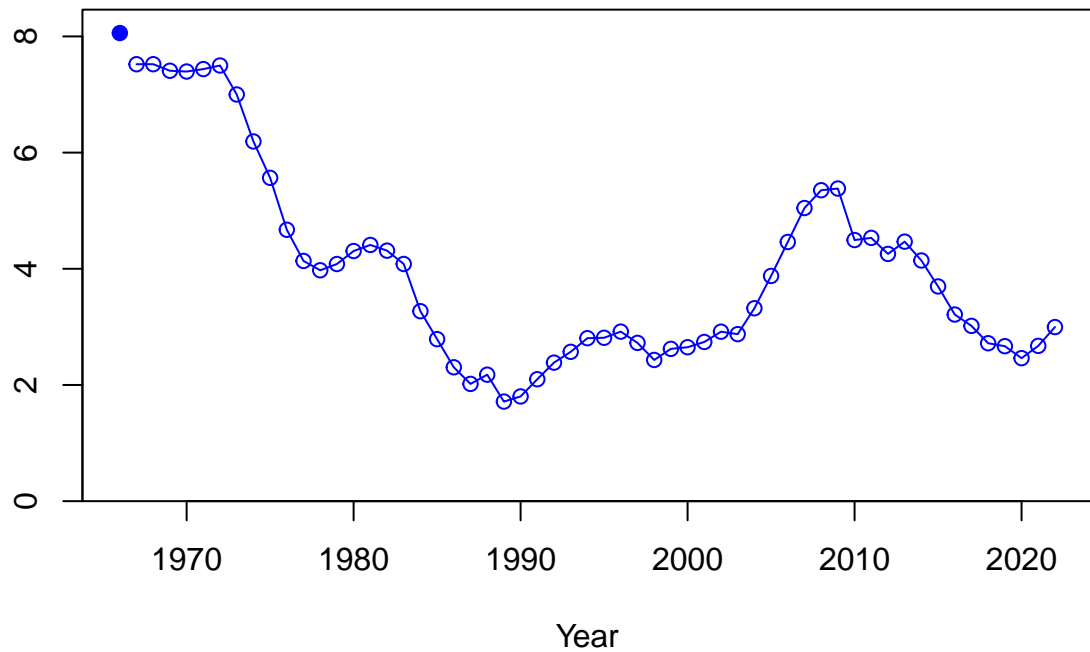
Selectivity



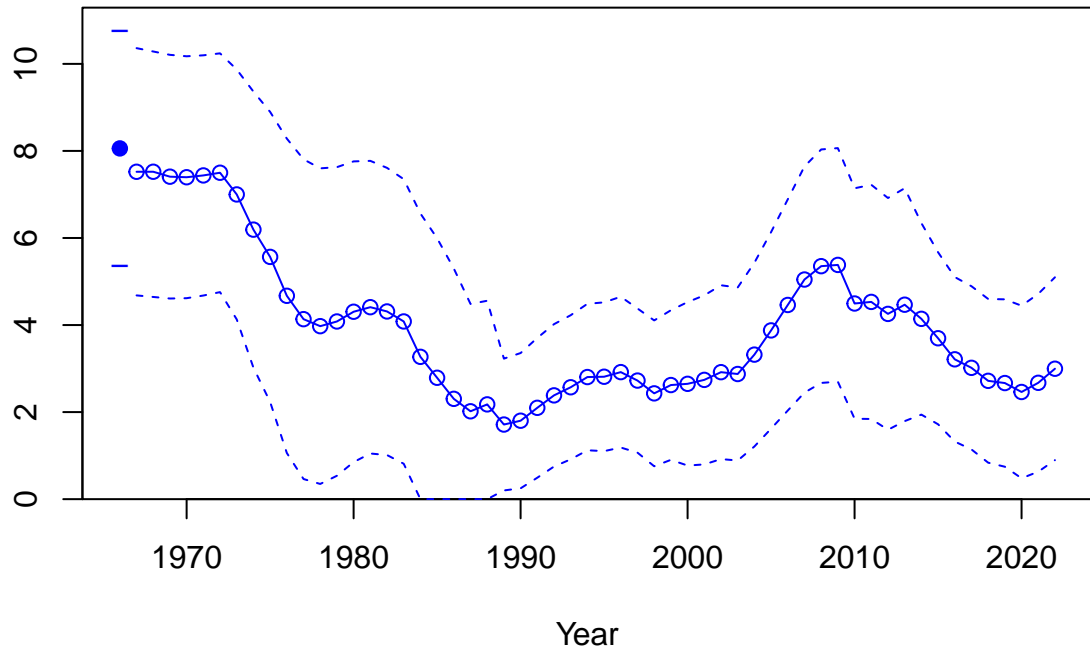




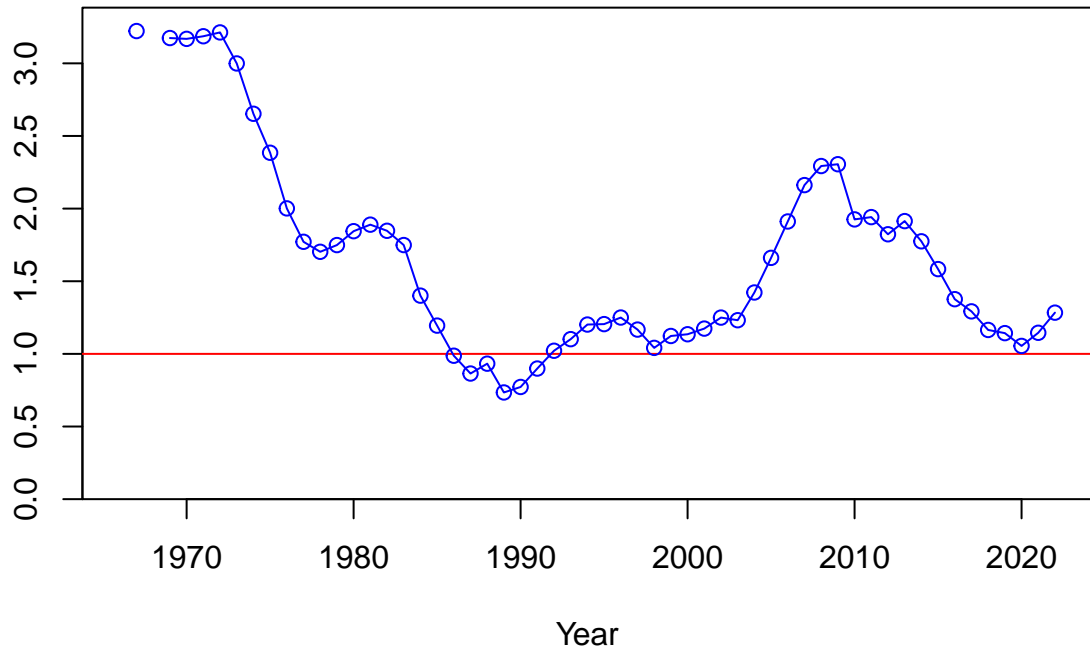
Spawning biomass (mt)



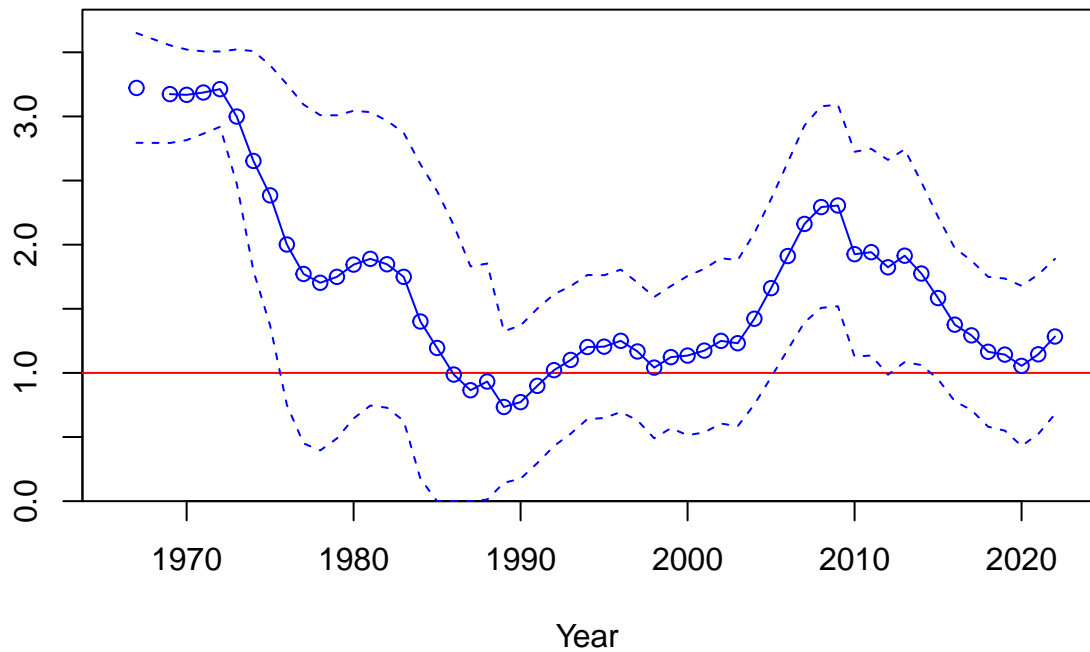
Spawning biomass (mt)

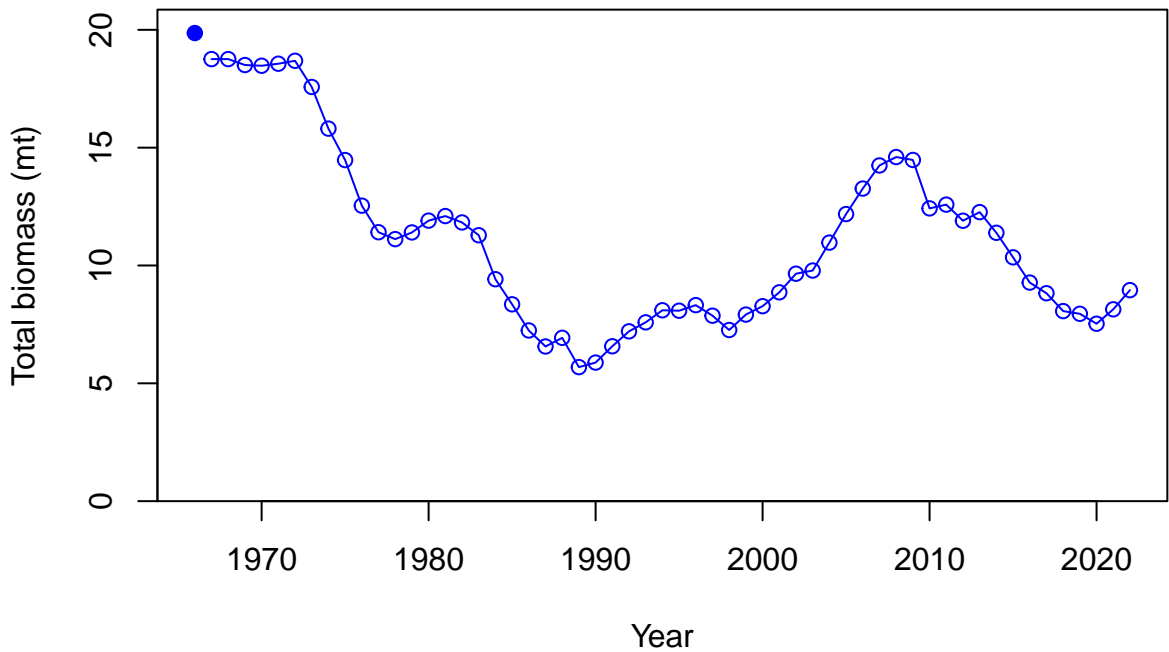


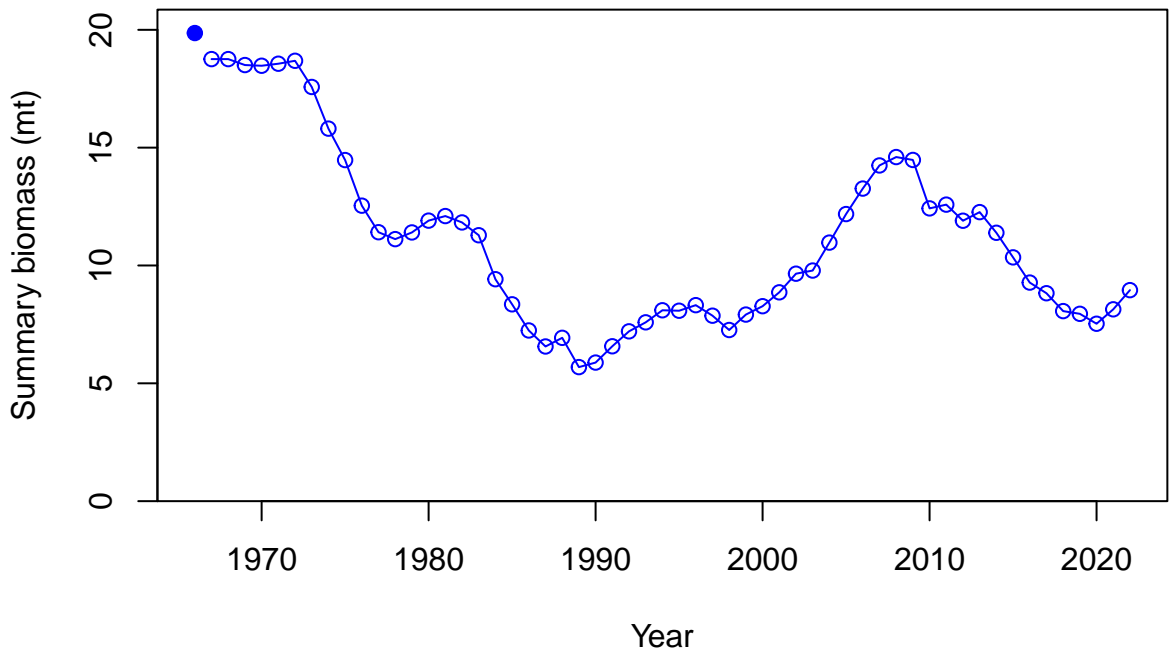
Relative spawning biomass: B/B_{MSY}



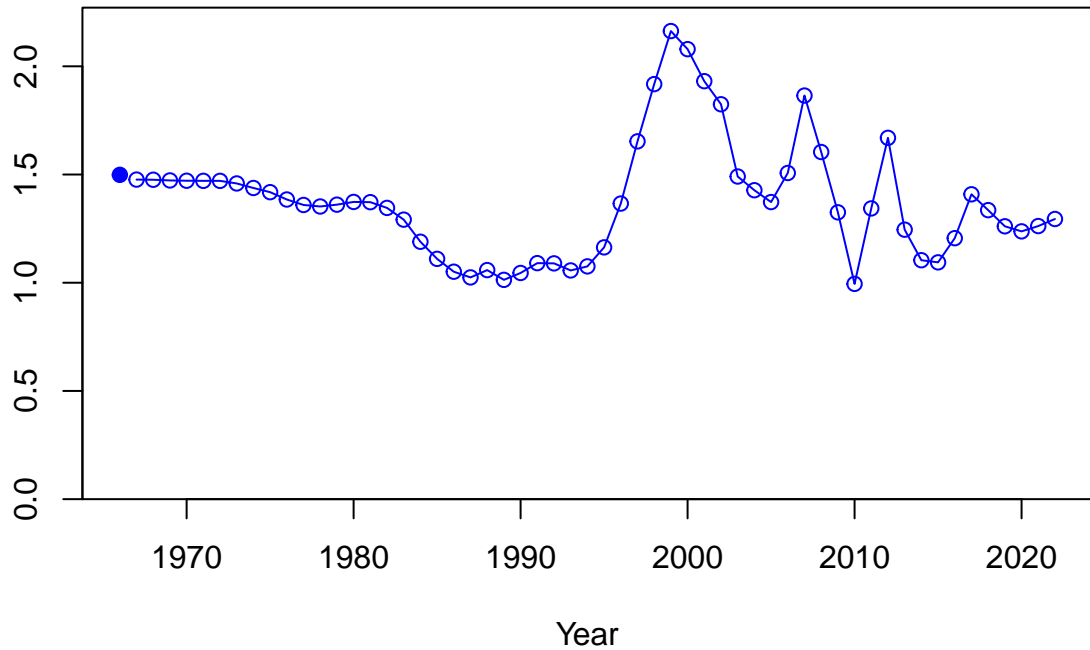
Relative spawning biomass: B/B_{MSY}



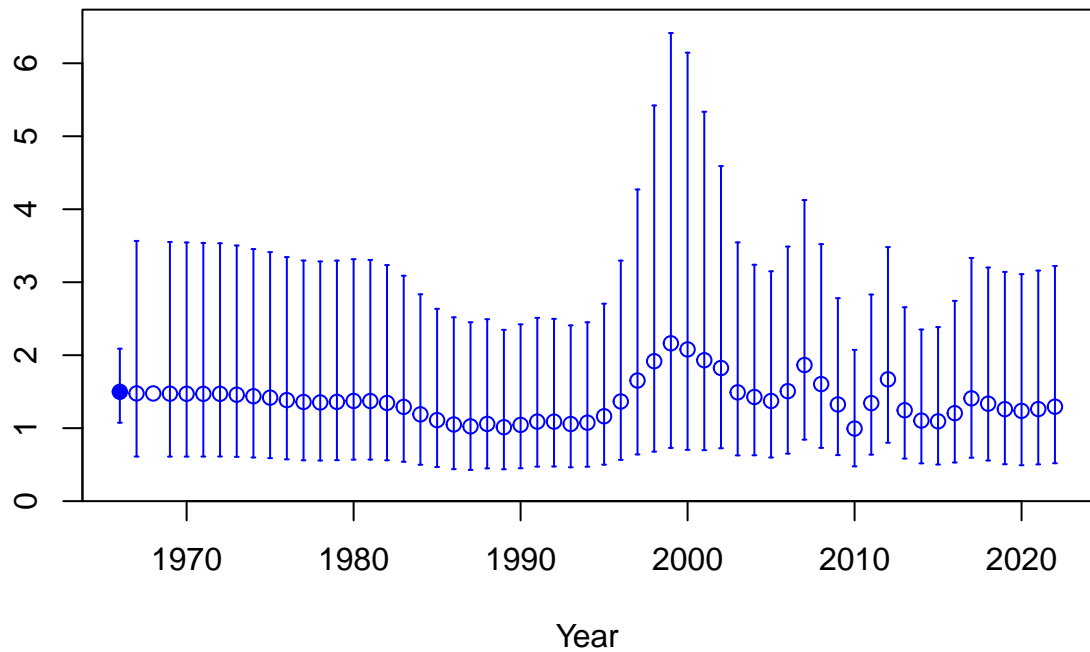




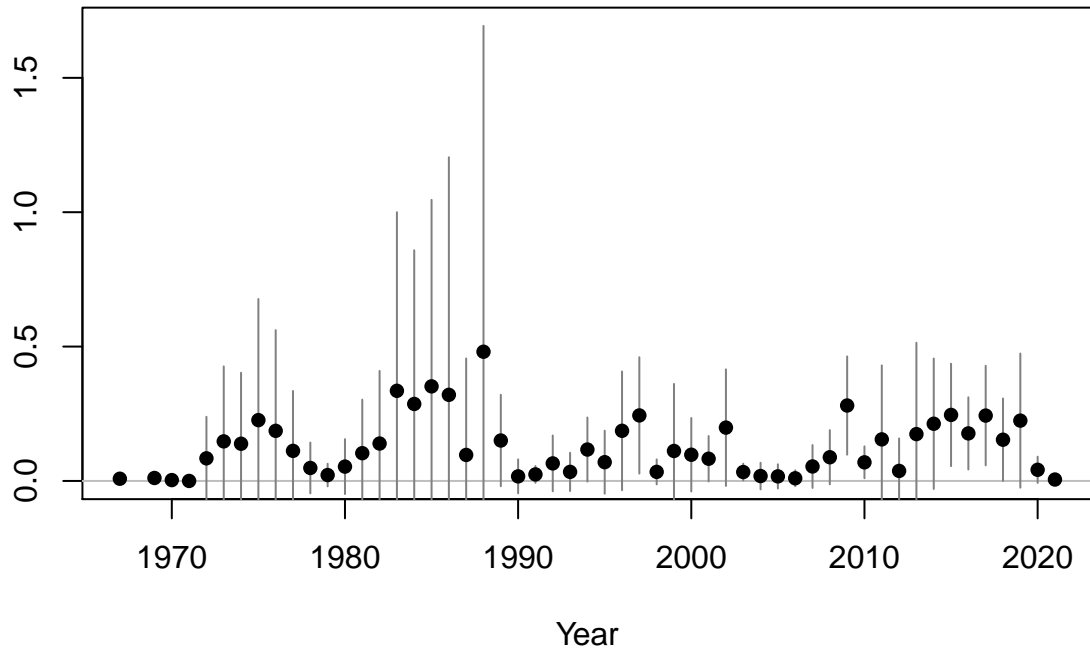
Age-0 recruits (1,000s)

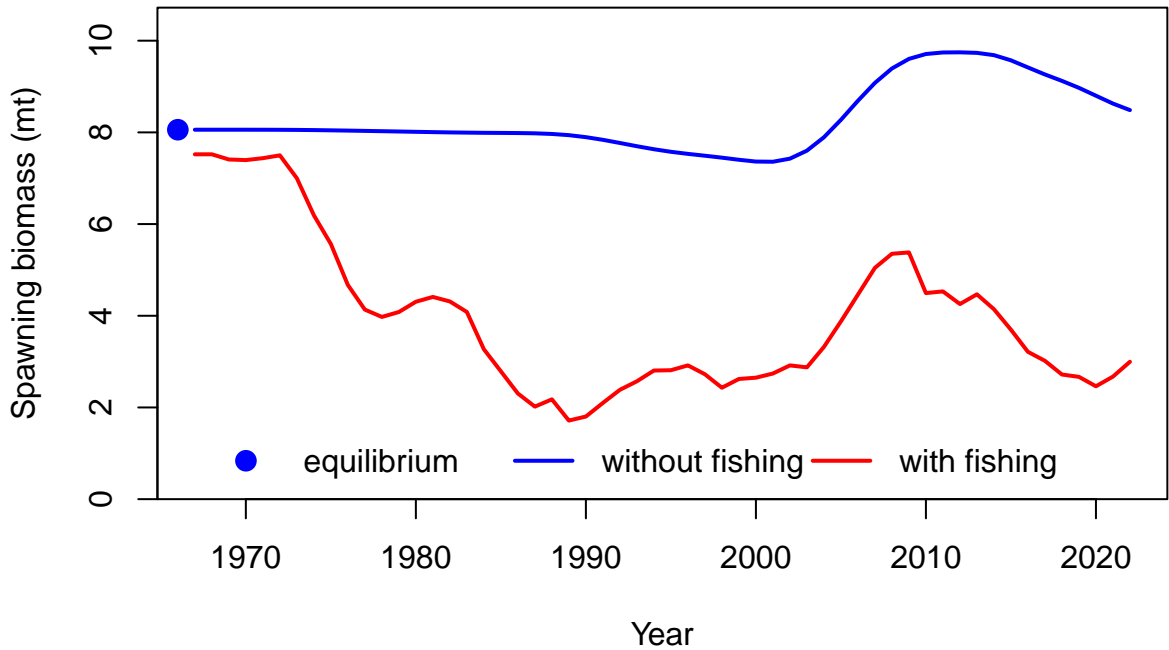


Age-0 recruits (1,000s)

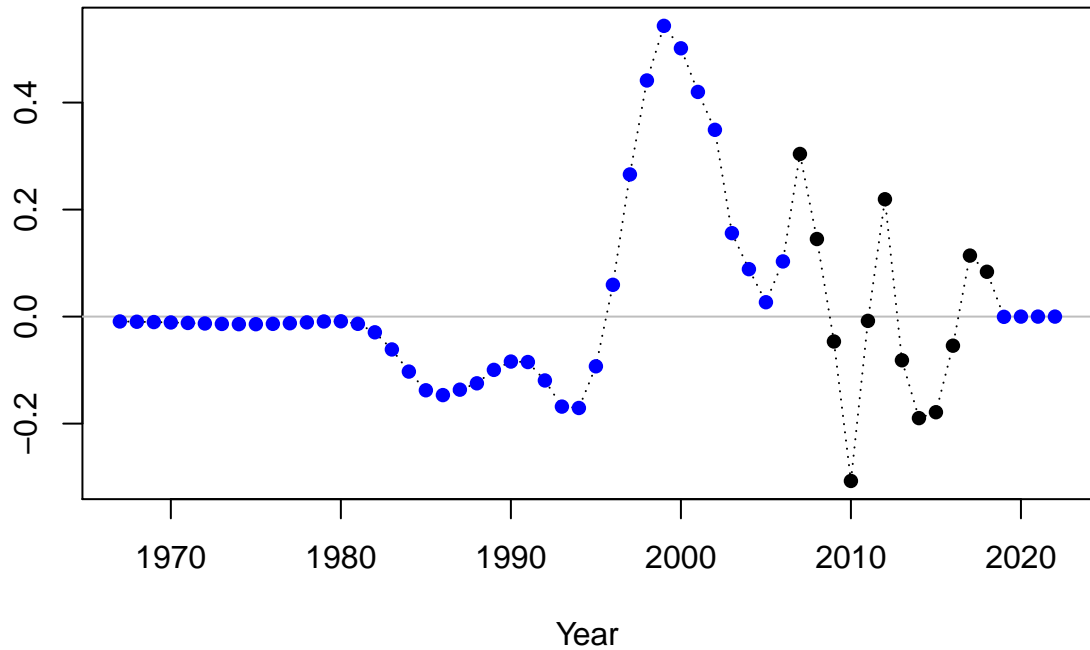


Summary Fishing Mortality

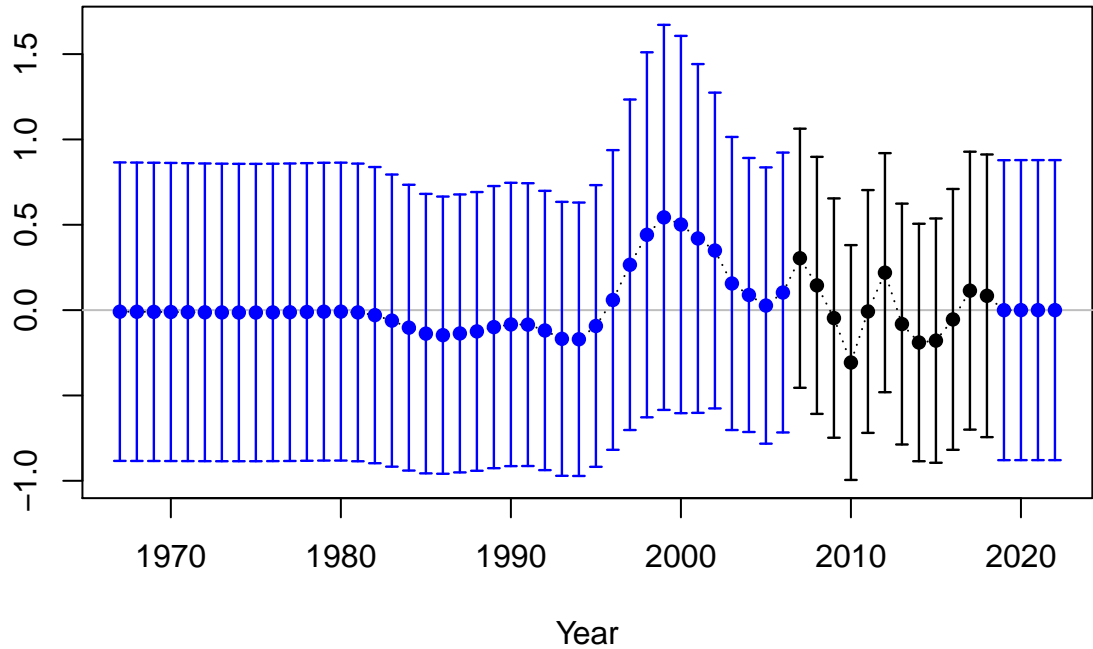




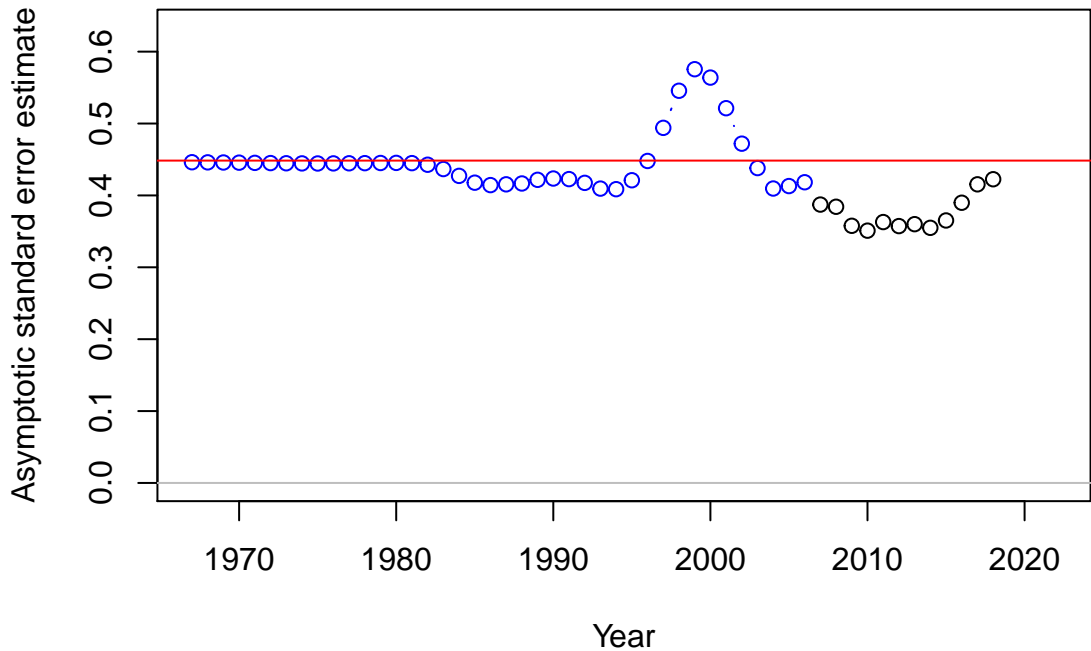
Log recruitment deviation

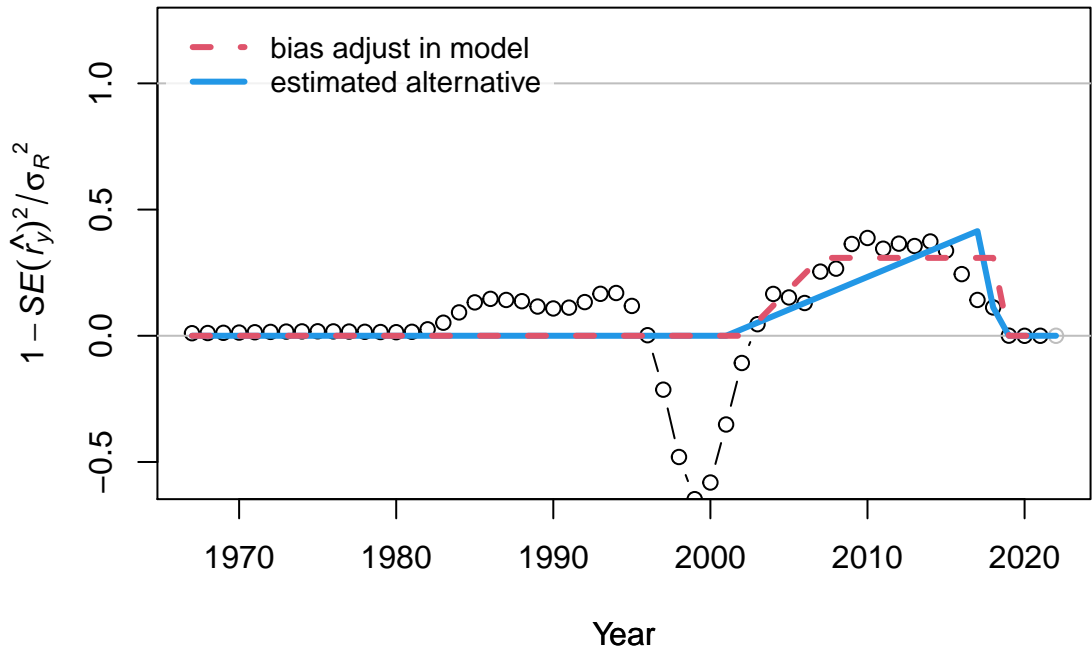


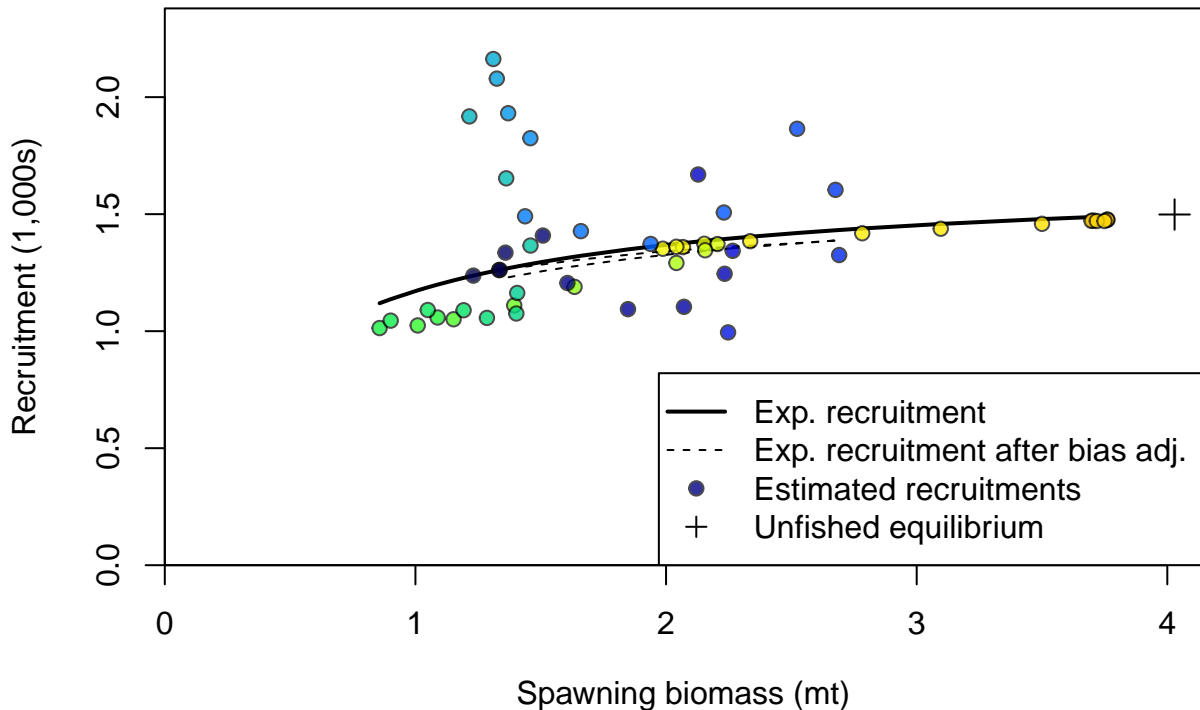
Log recruitment deviation

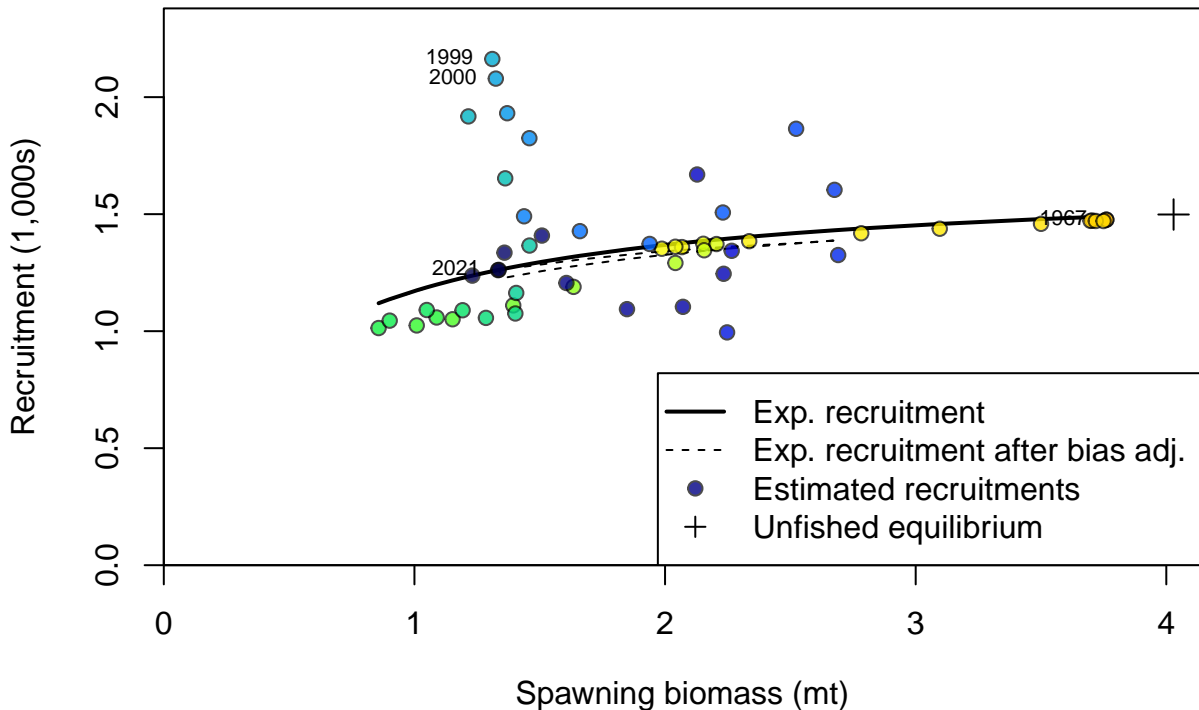


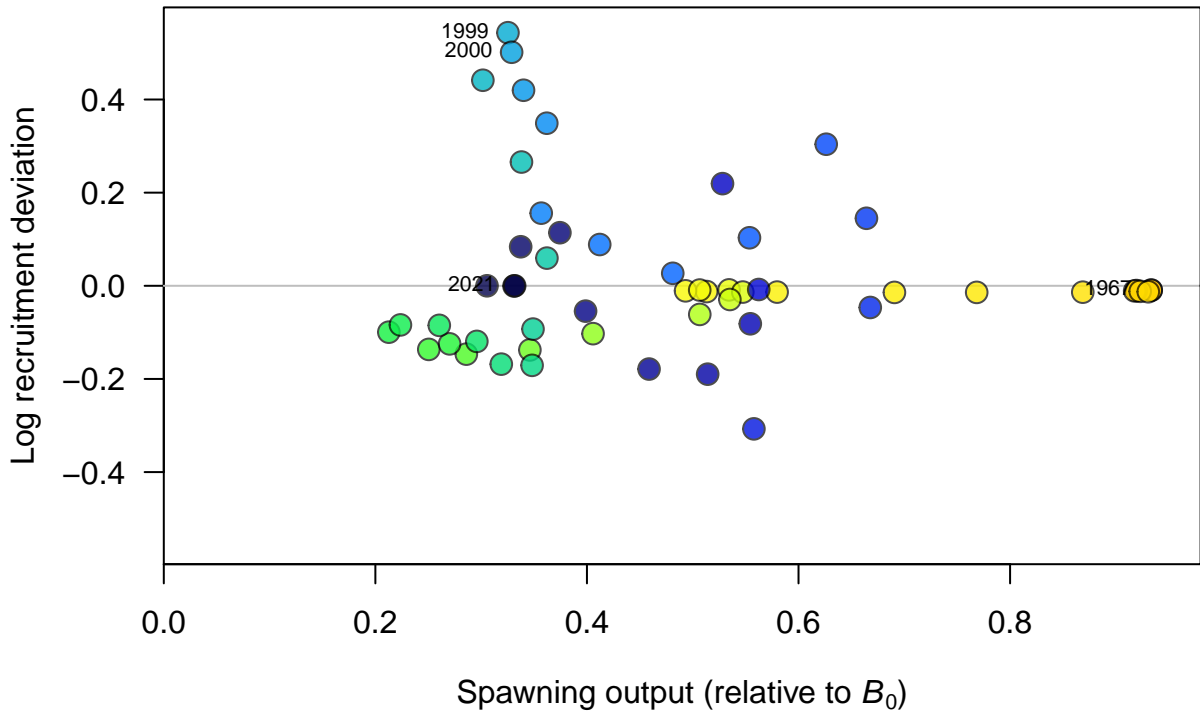
Recruitment deviation variance

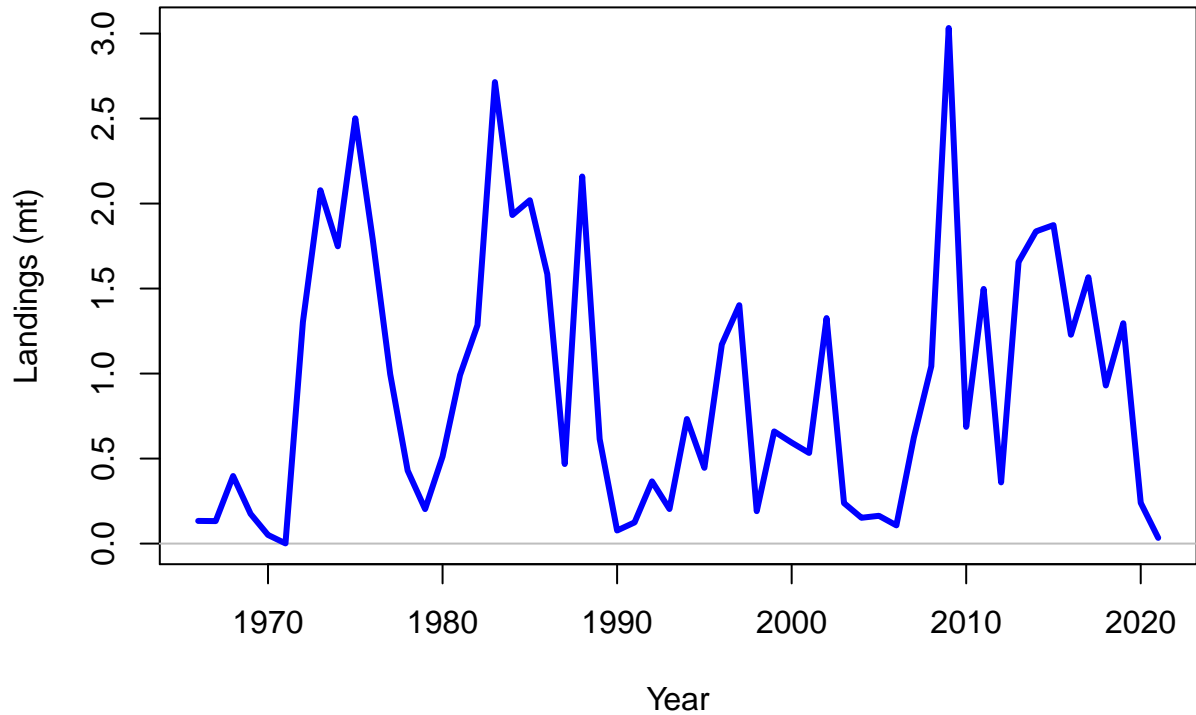


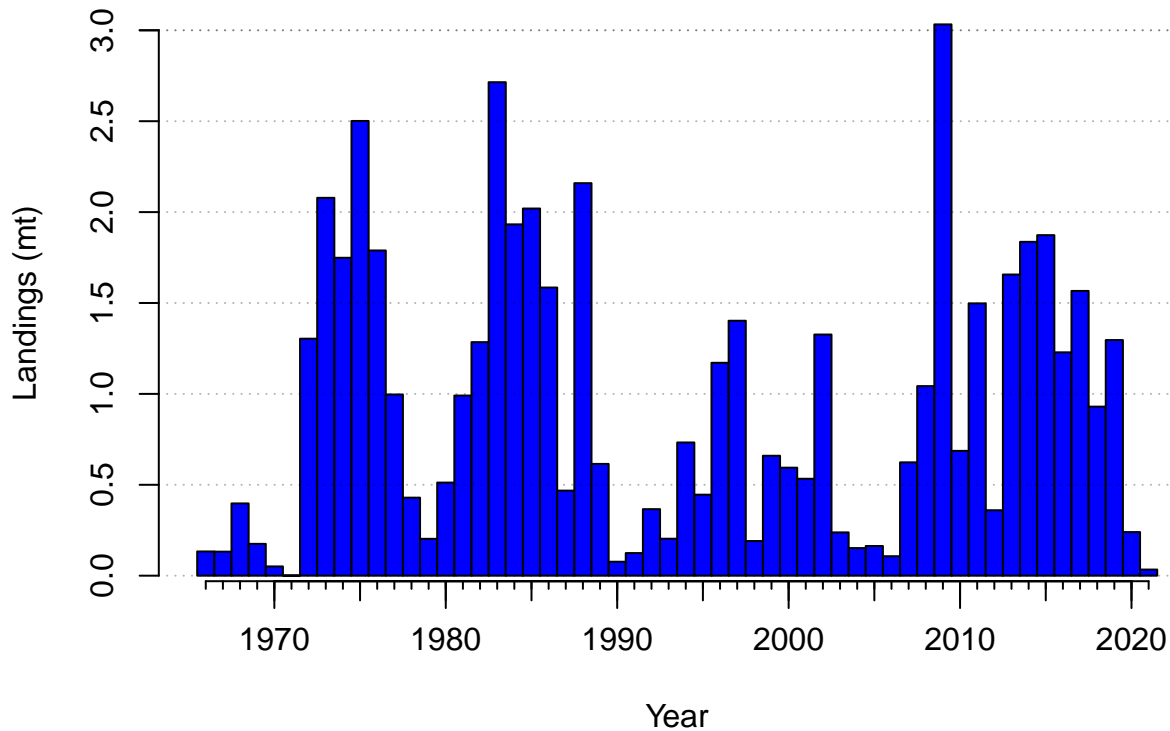


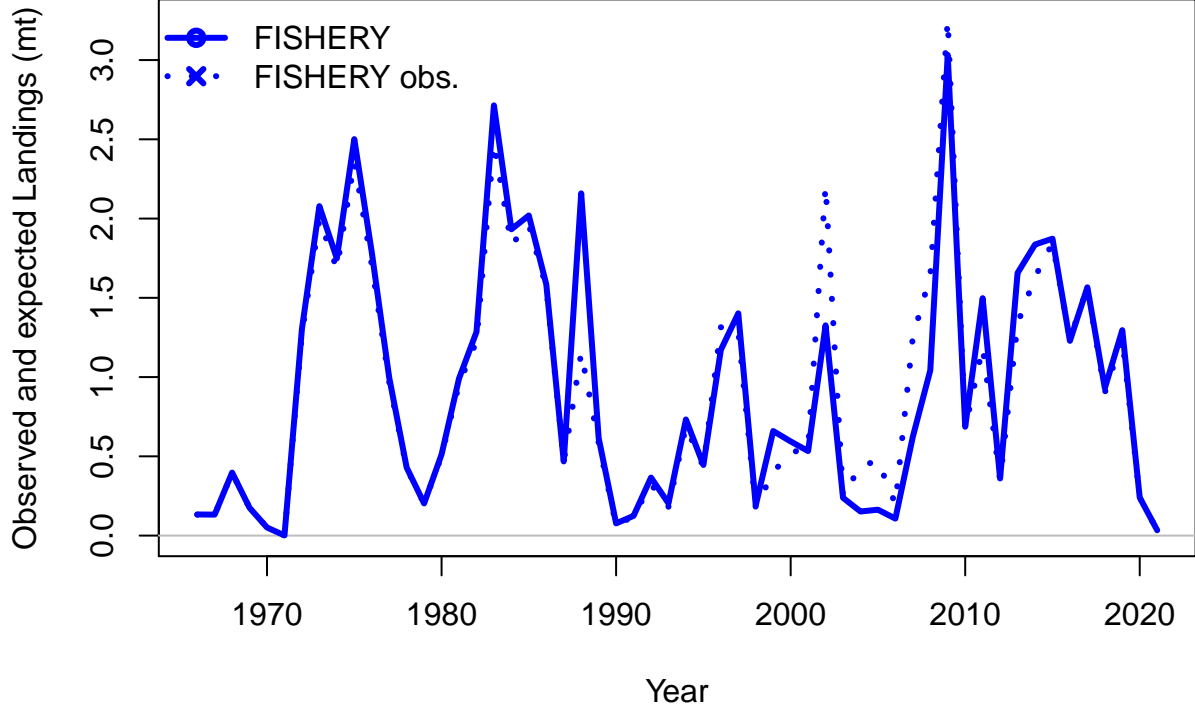


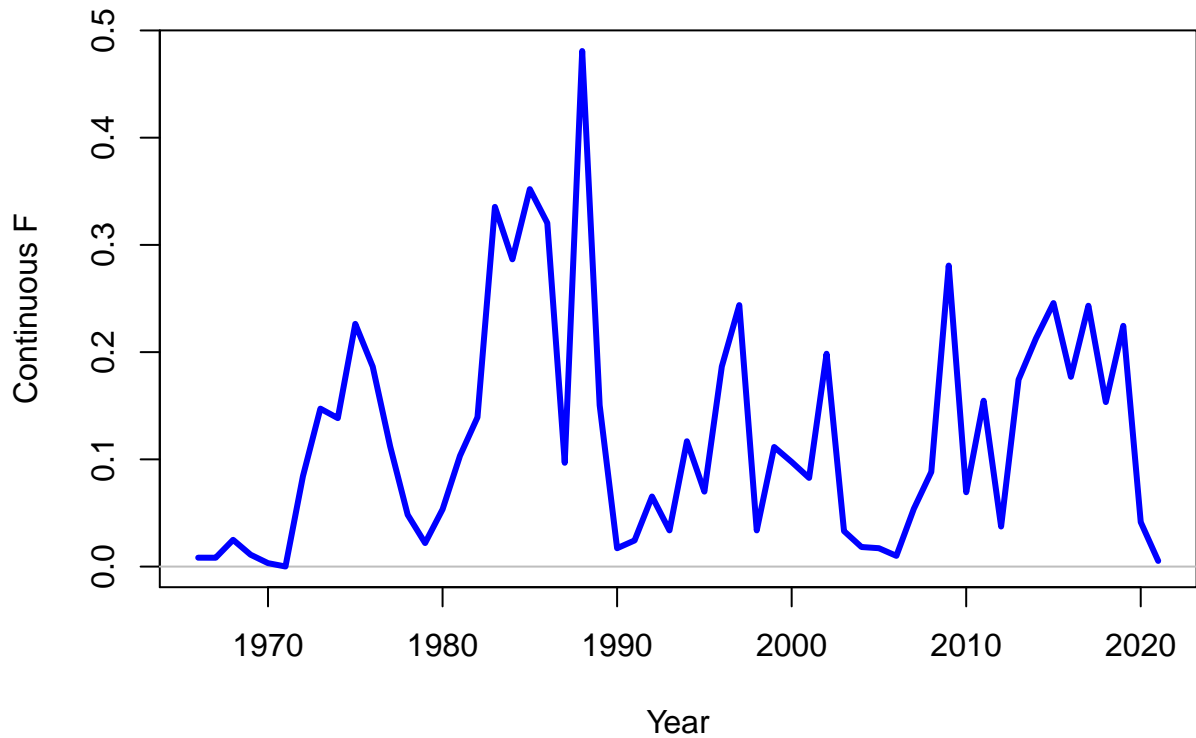




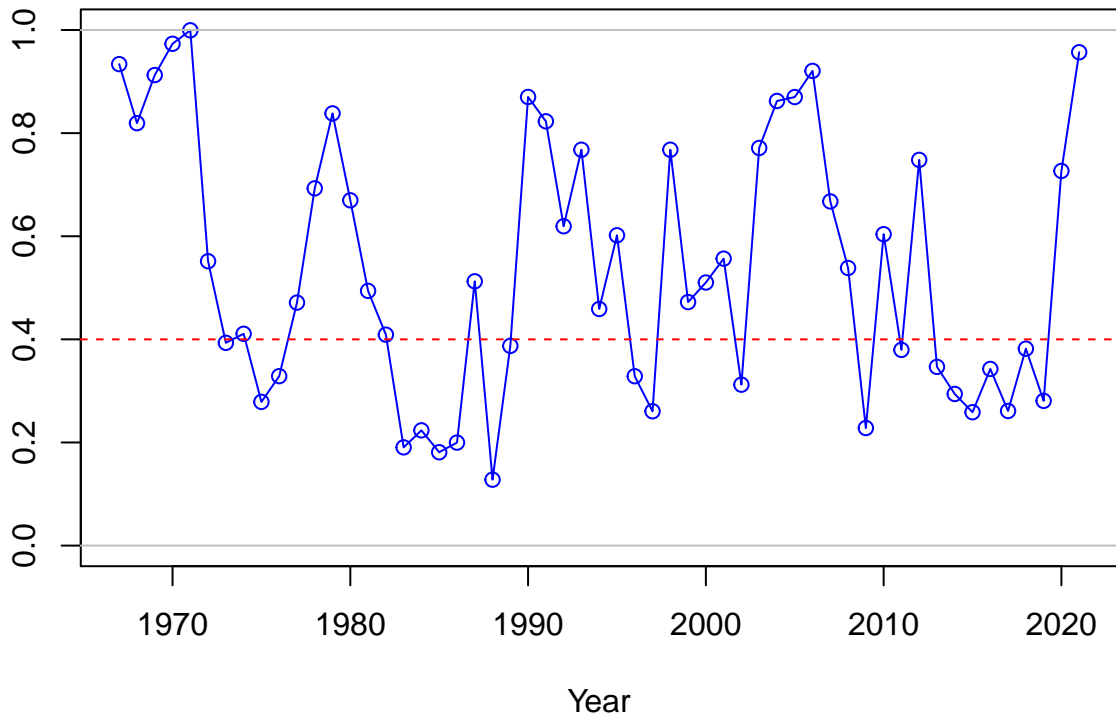


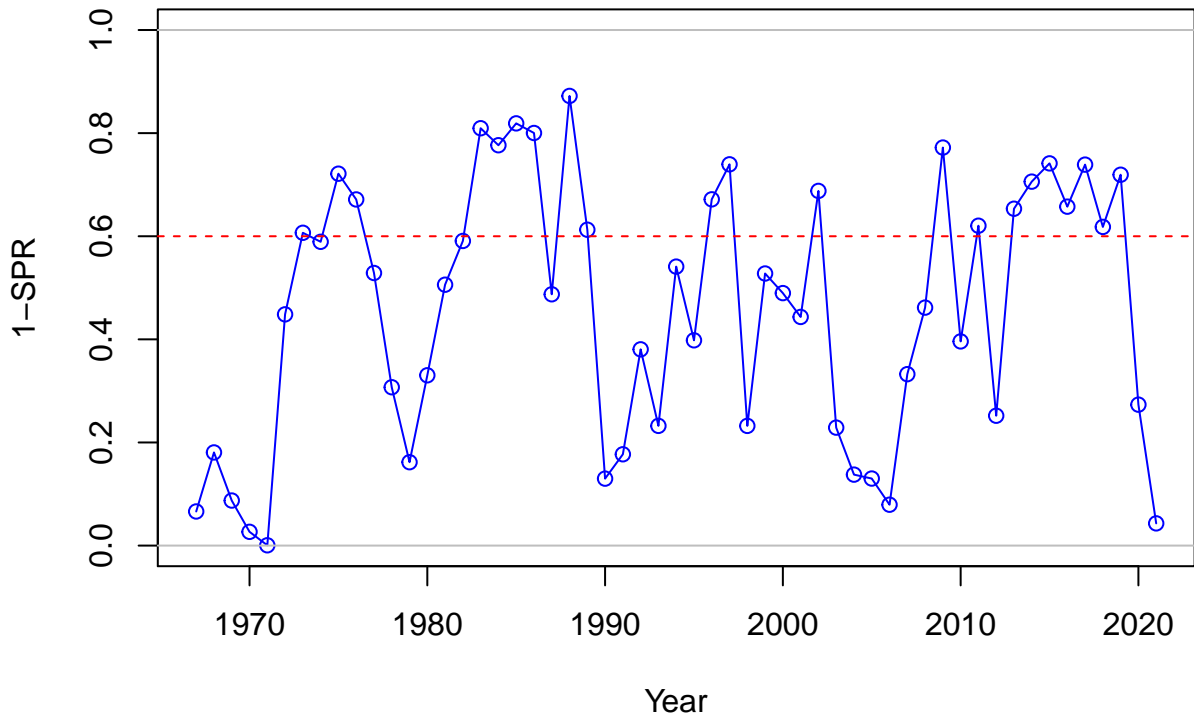




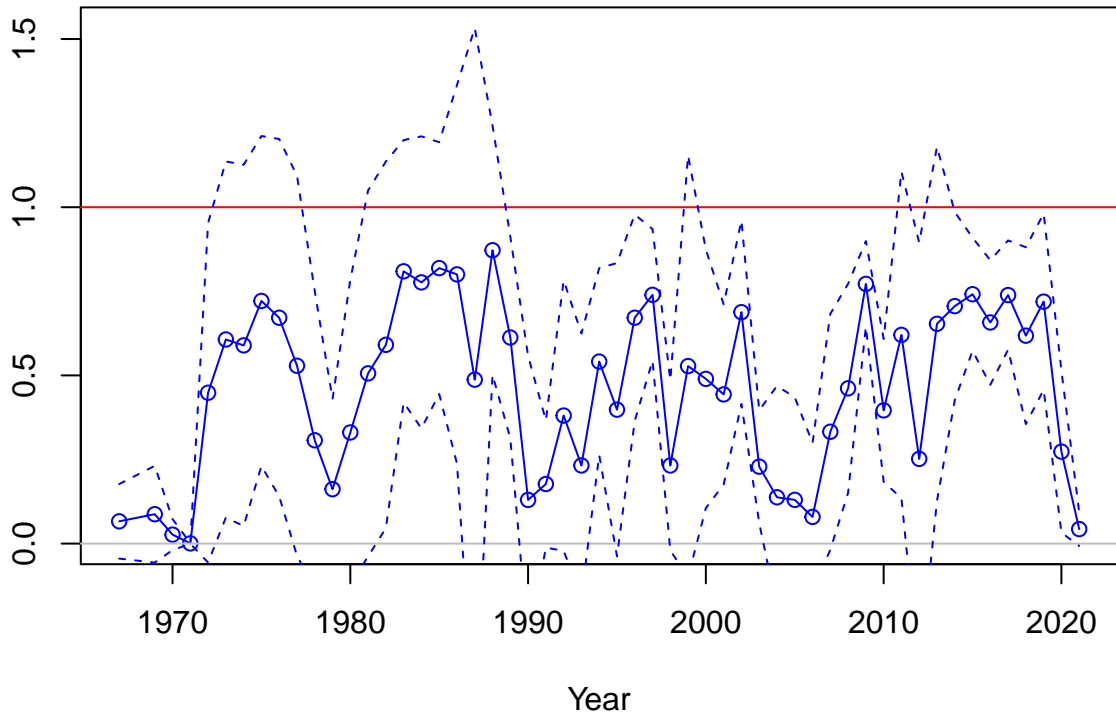


SPR

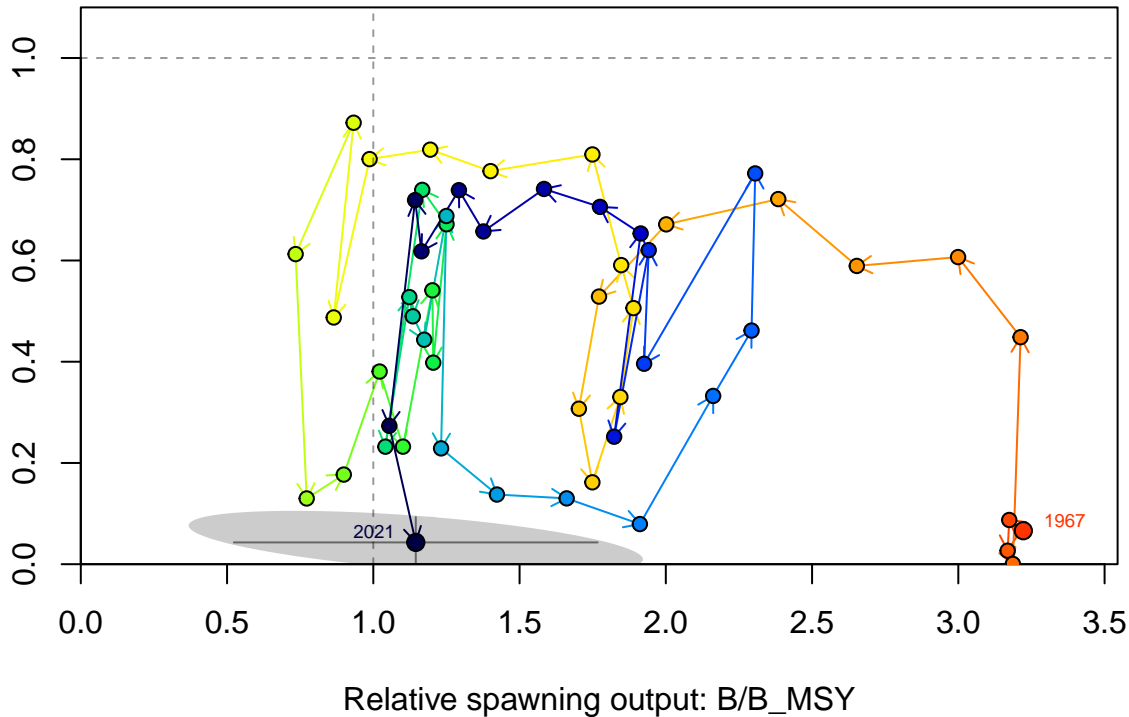




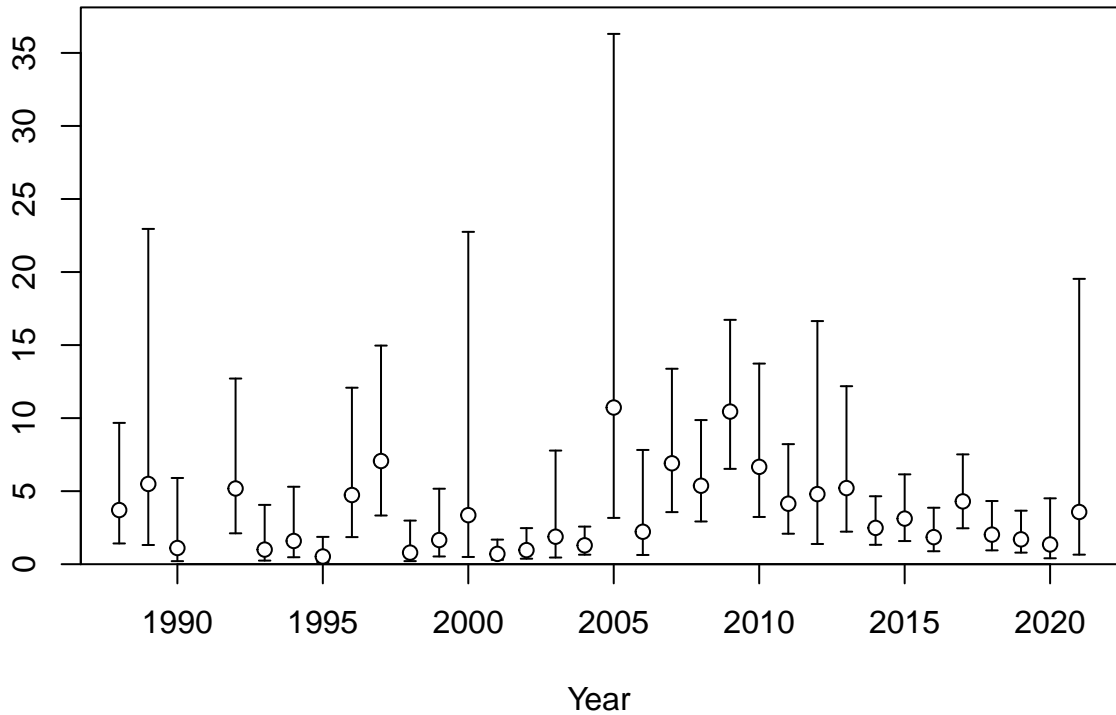
Fishing intensity: 1-SPR



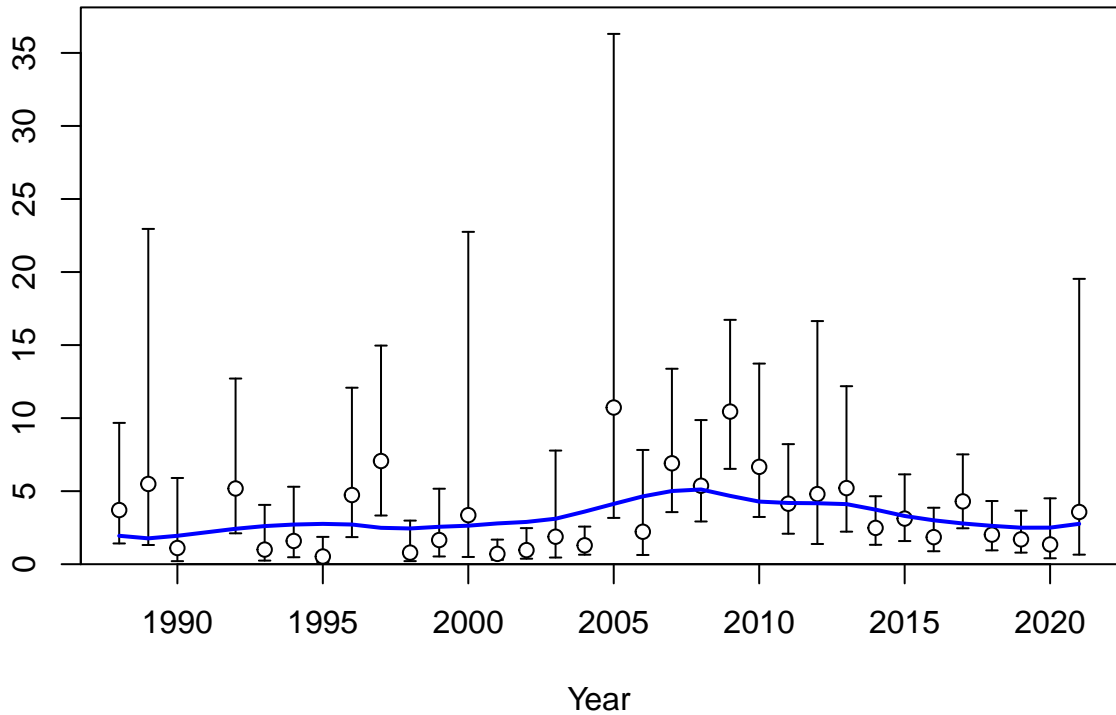
Fishing intensity: 1-SPR

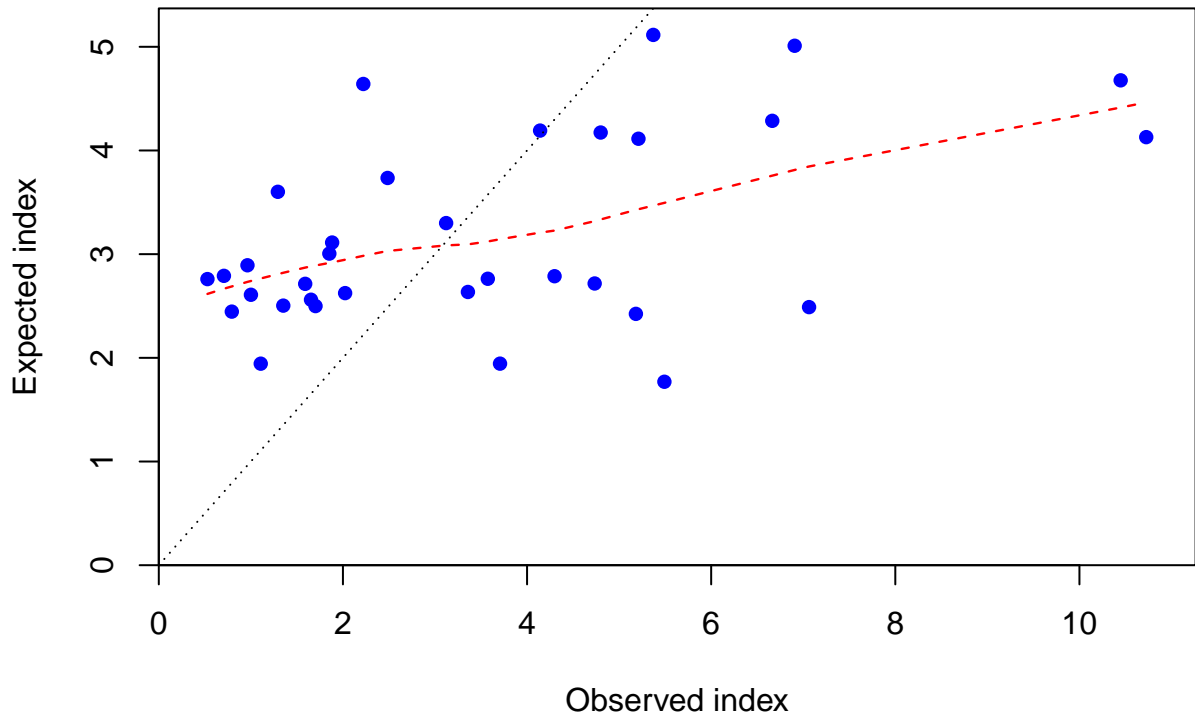


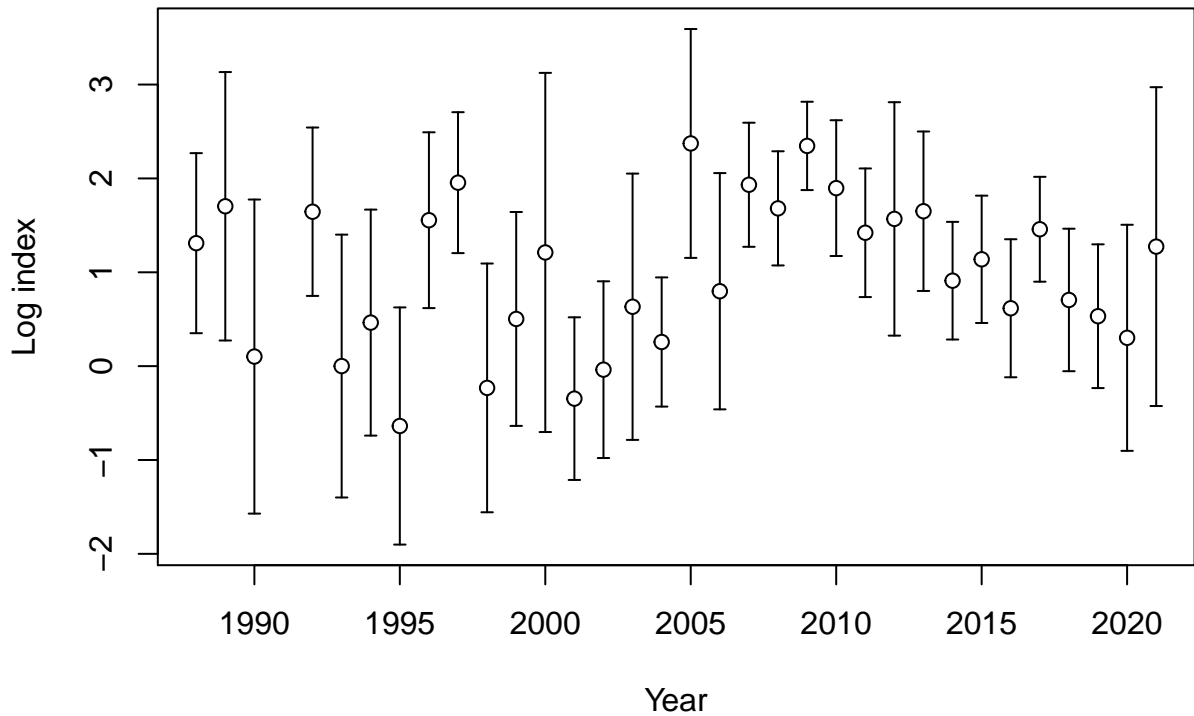
Index

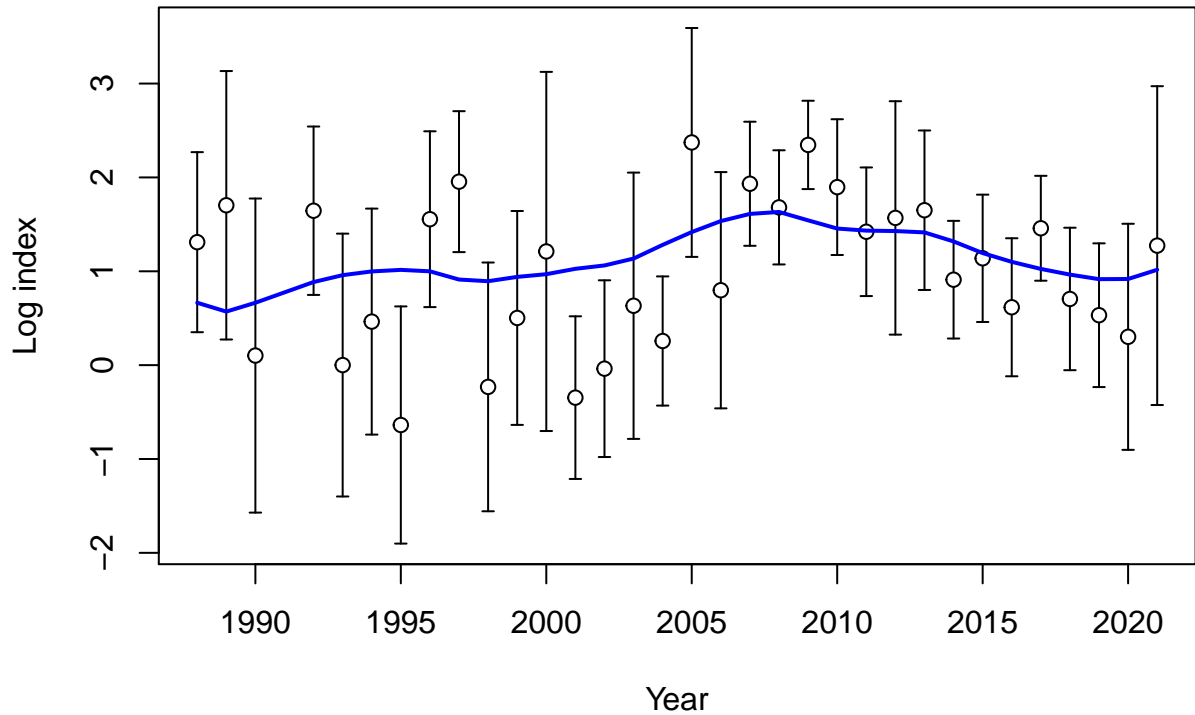


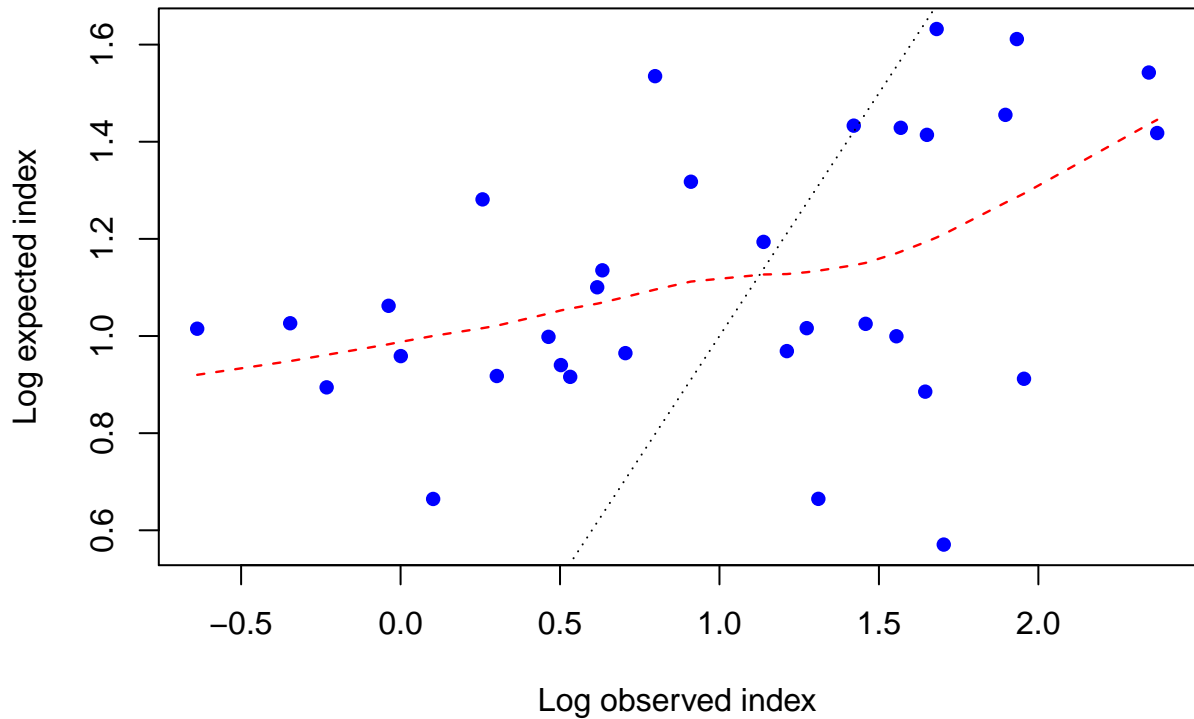
Index

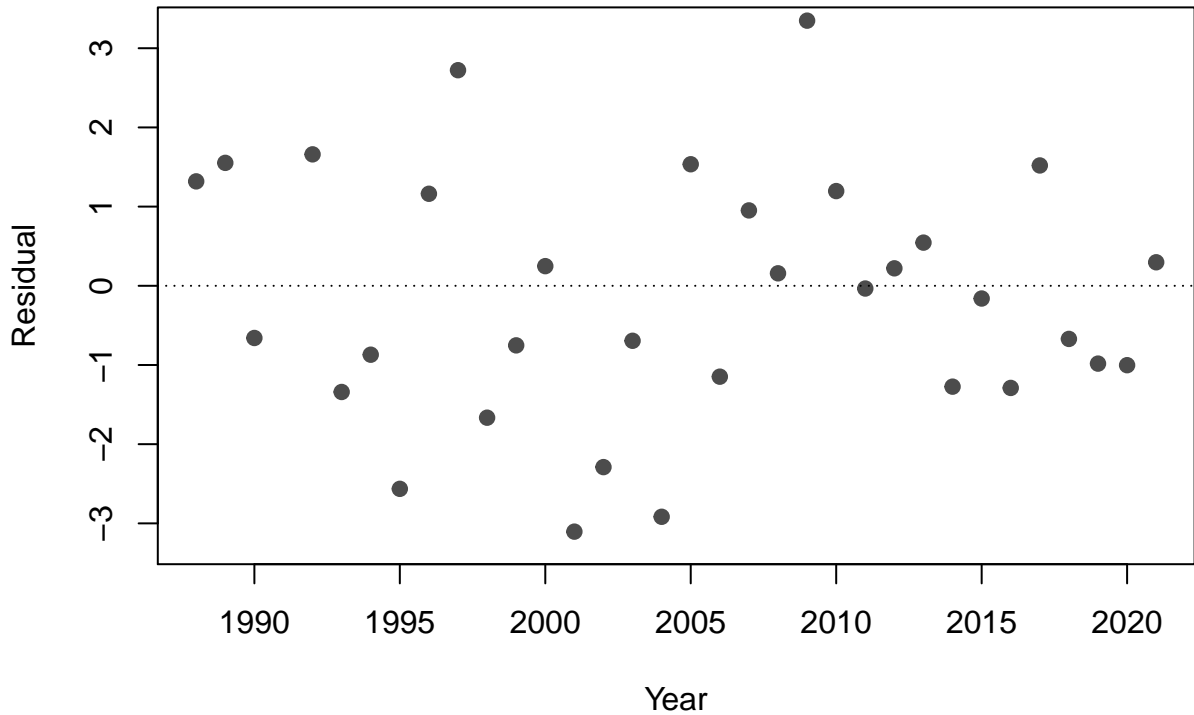


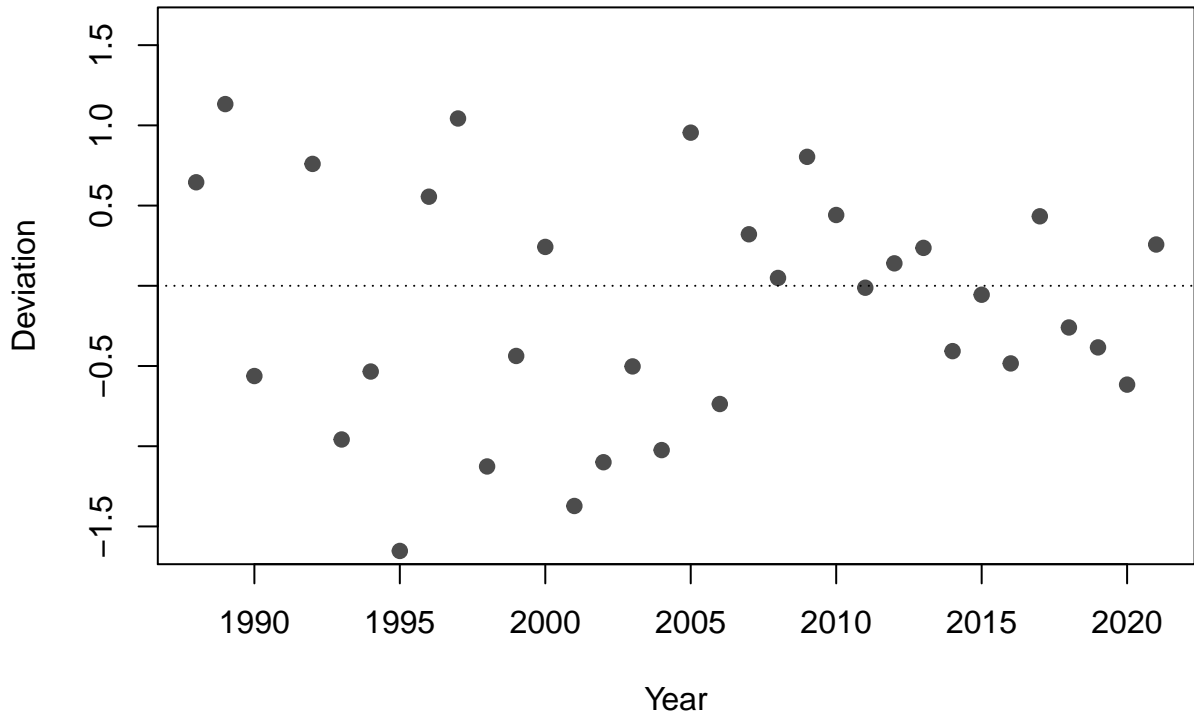


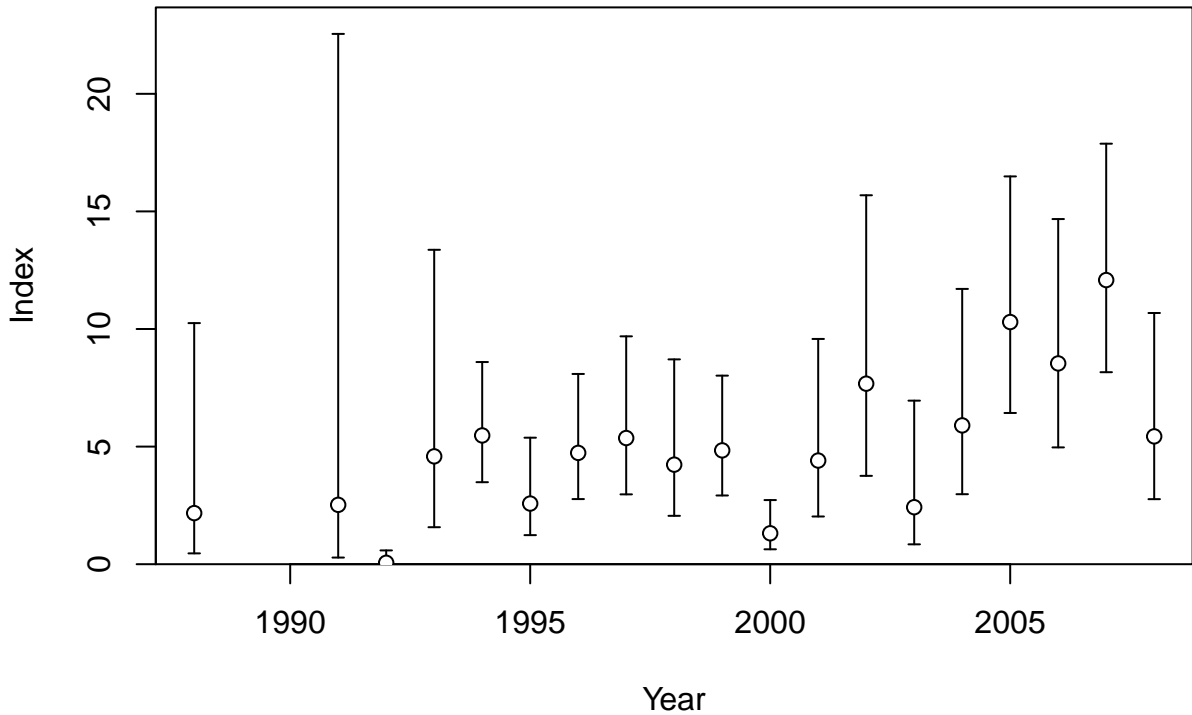


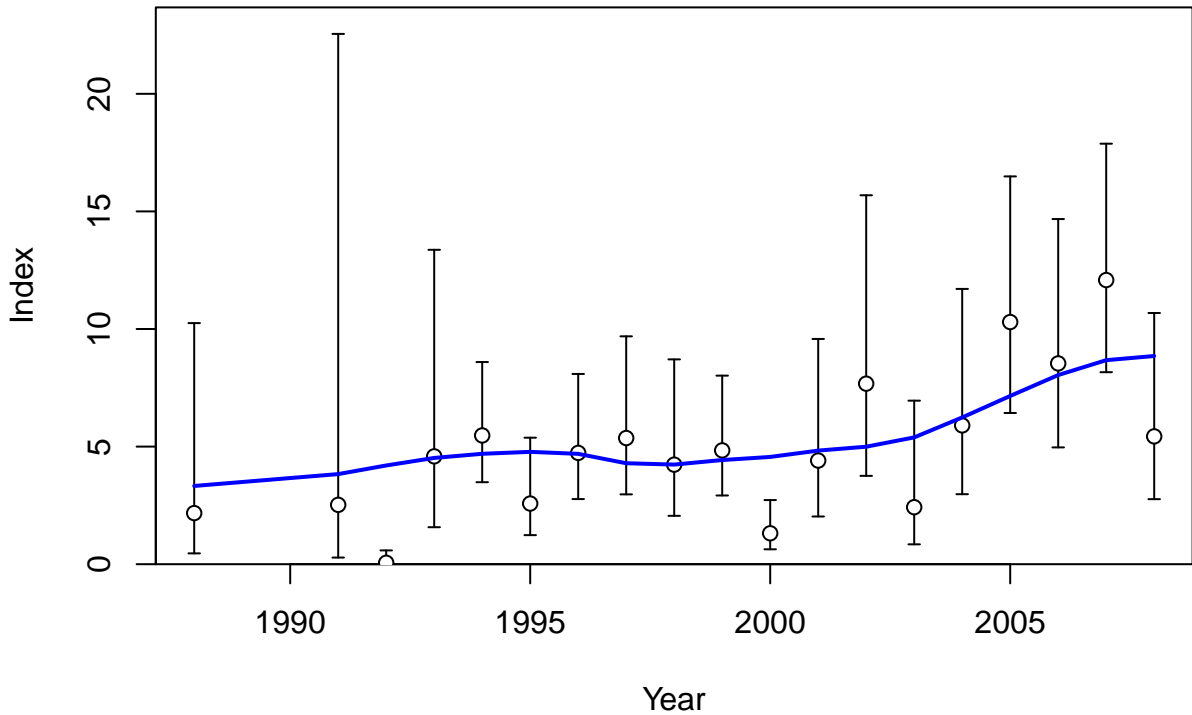


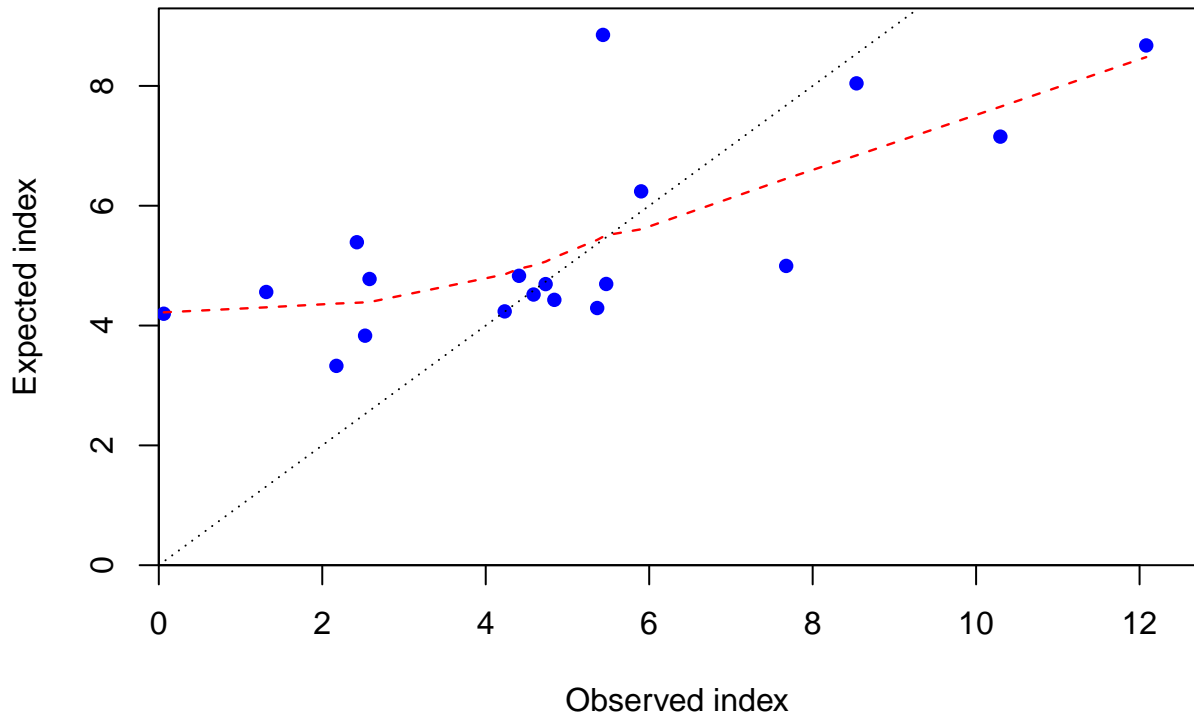


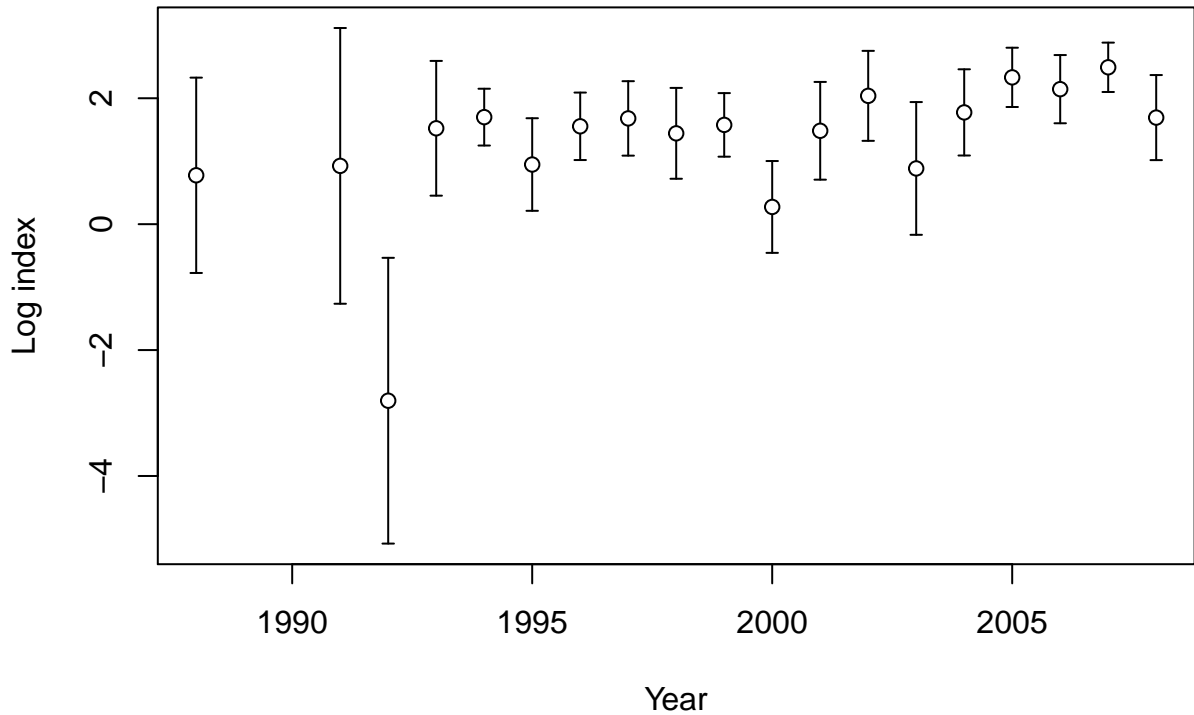


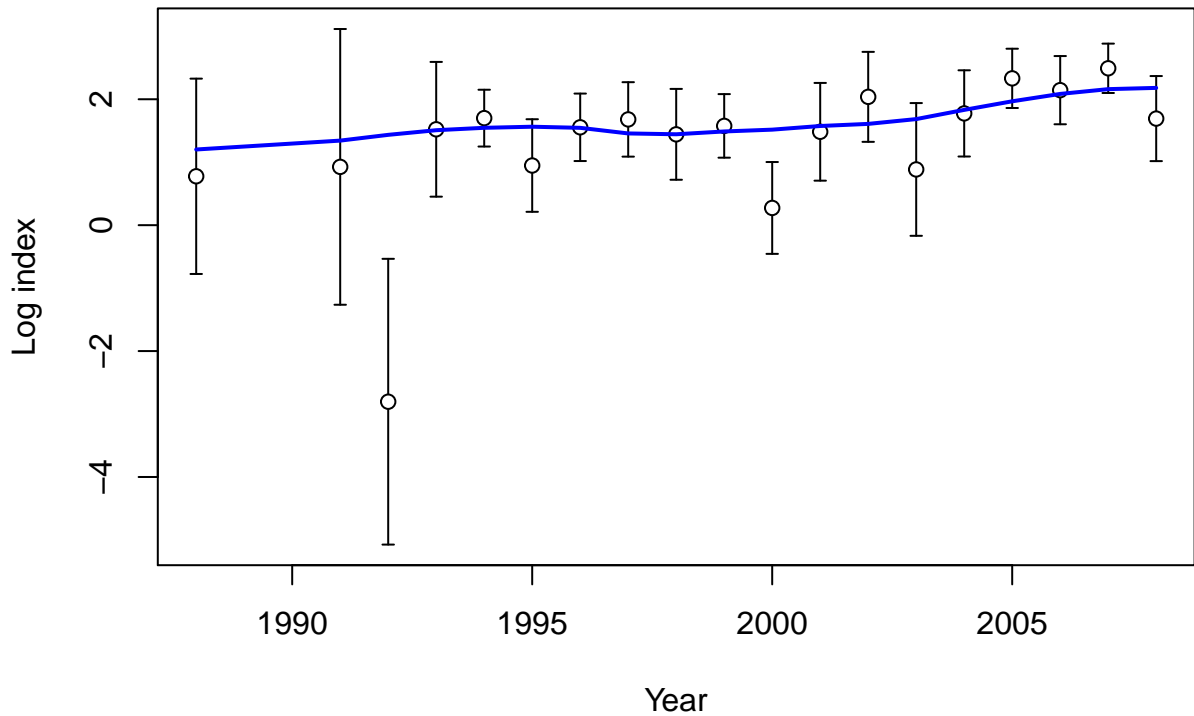




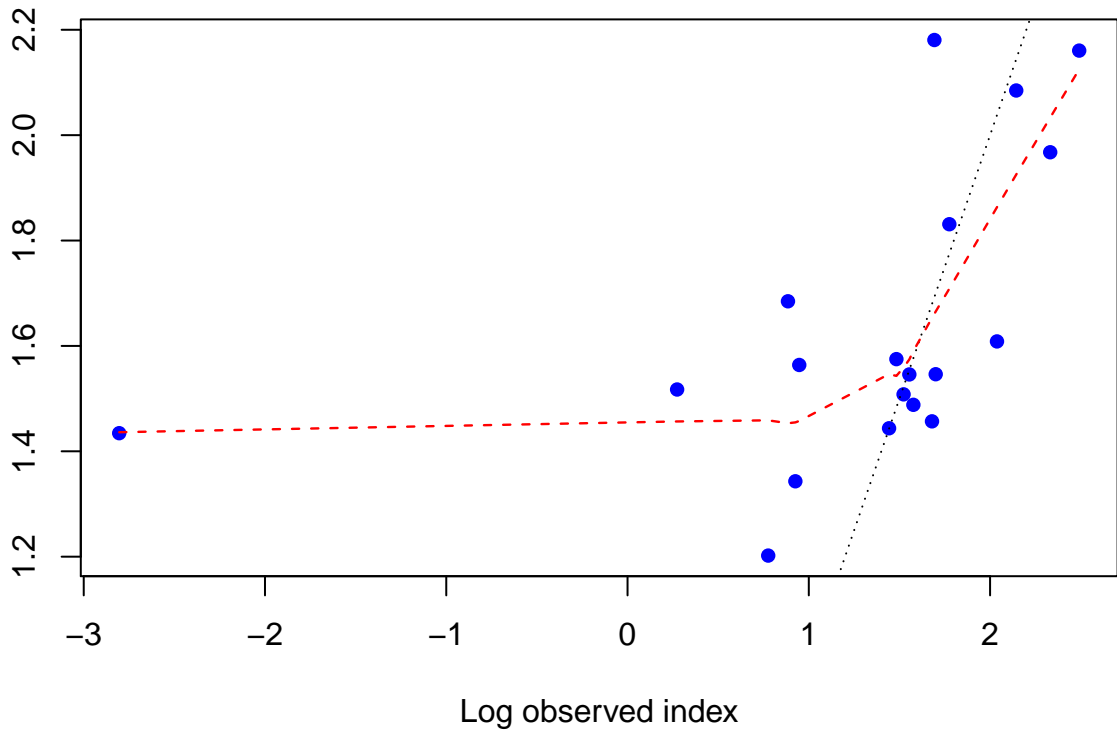


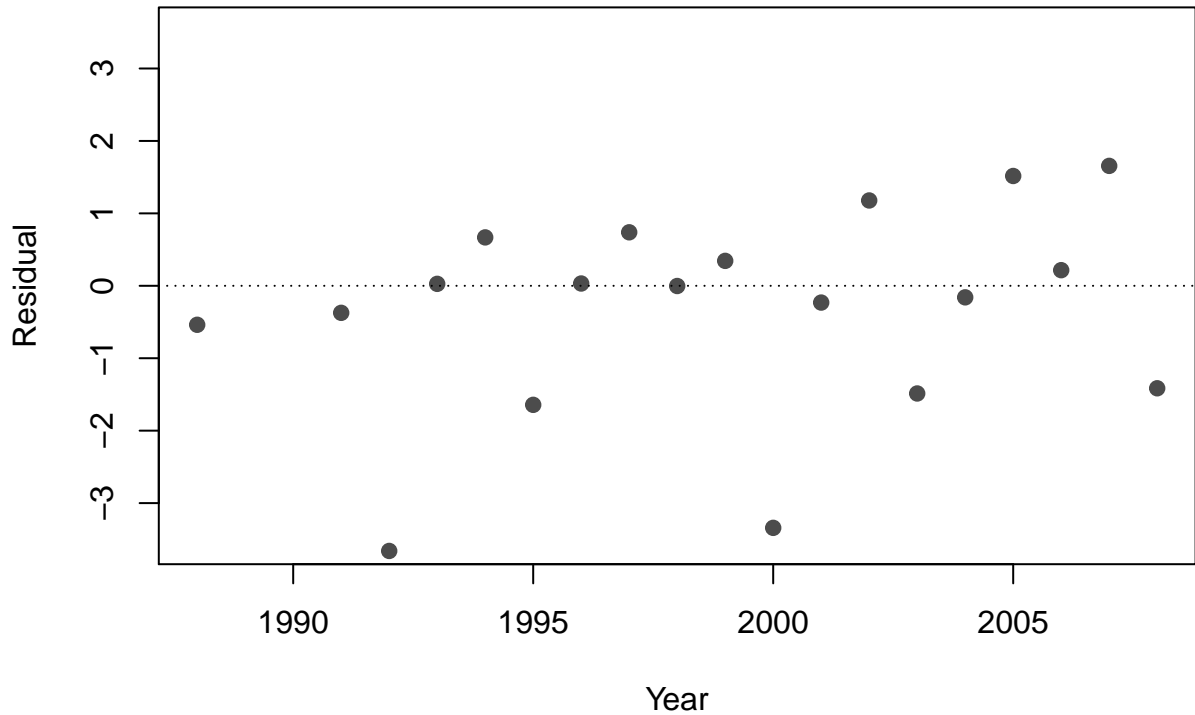




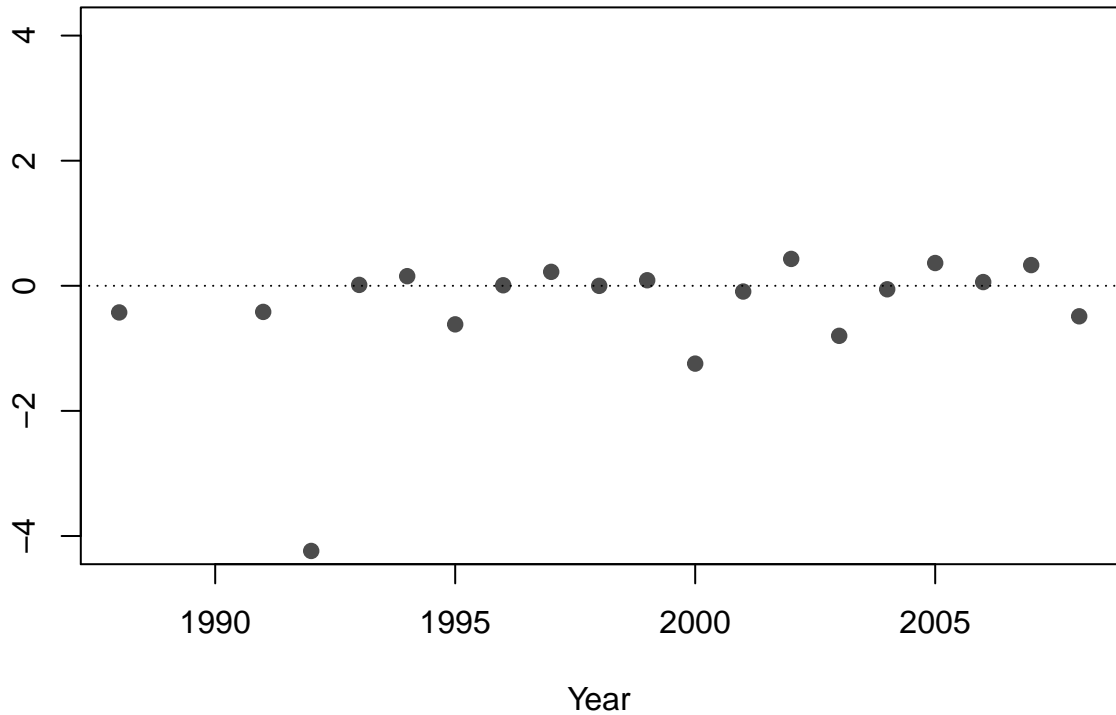


Log expected index

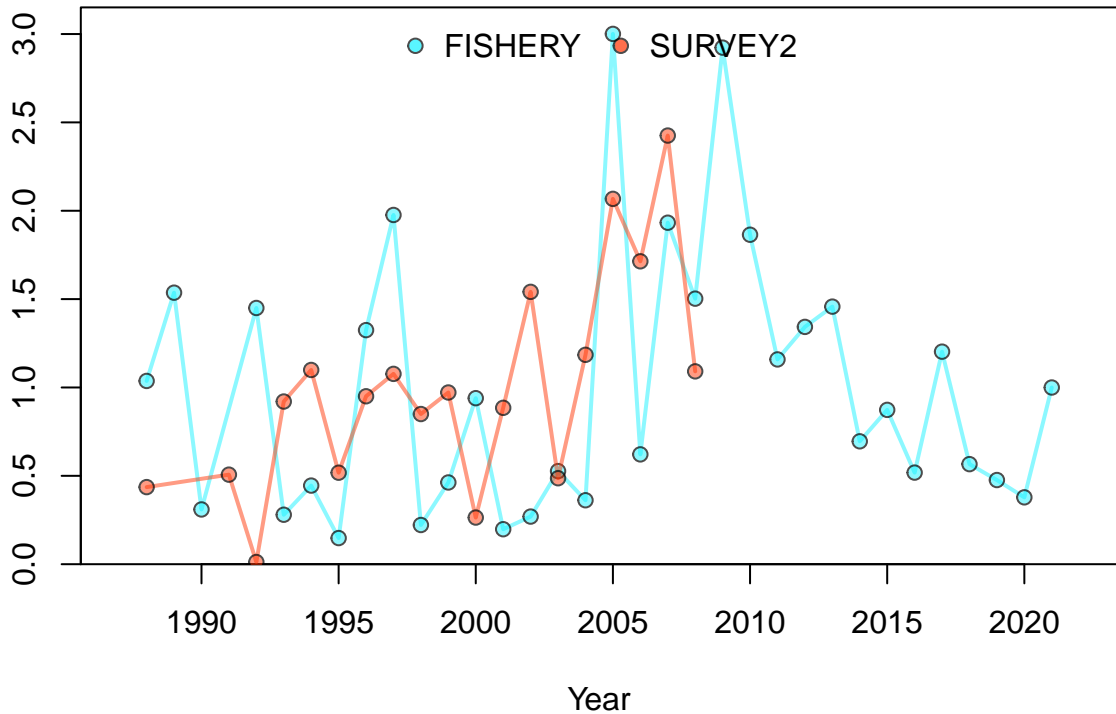


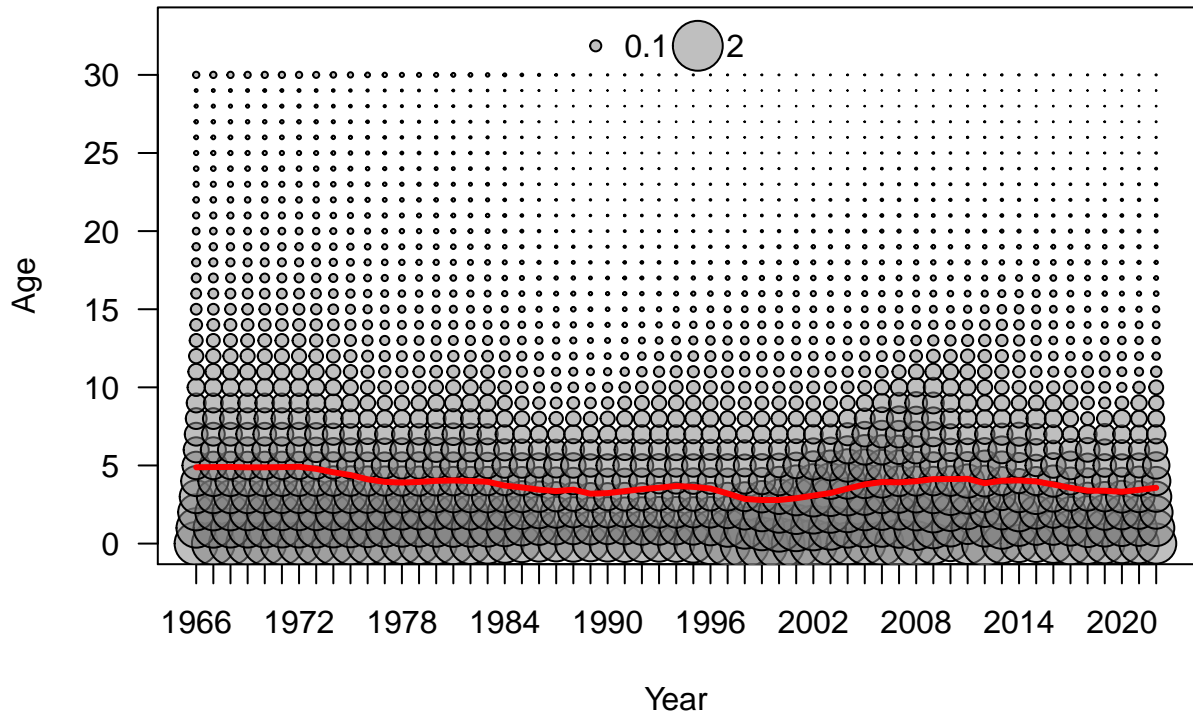


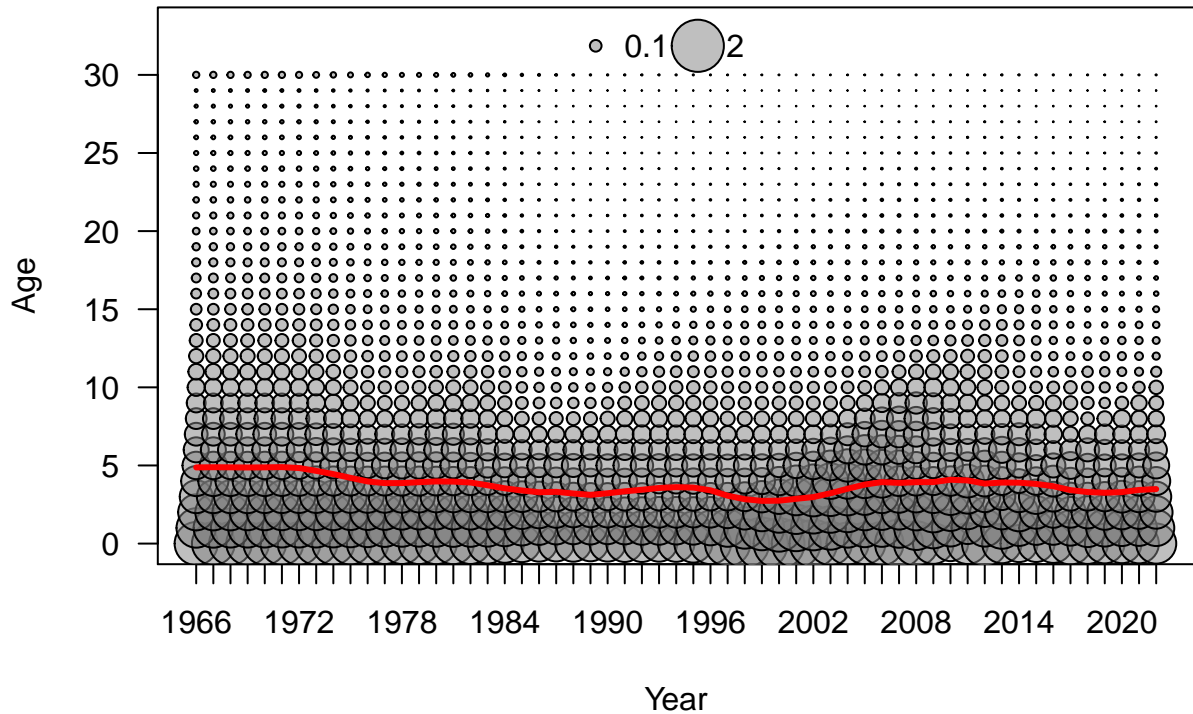
Deviation



Standardized index







Length

120

100

80

60

40

20

0

○ 0.1 ● 2

1967

1973

1979

1985

1991

1997

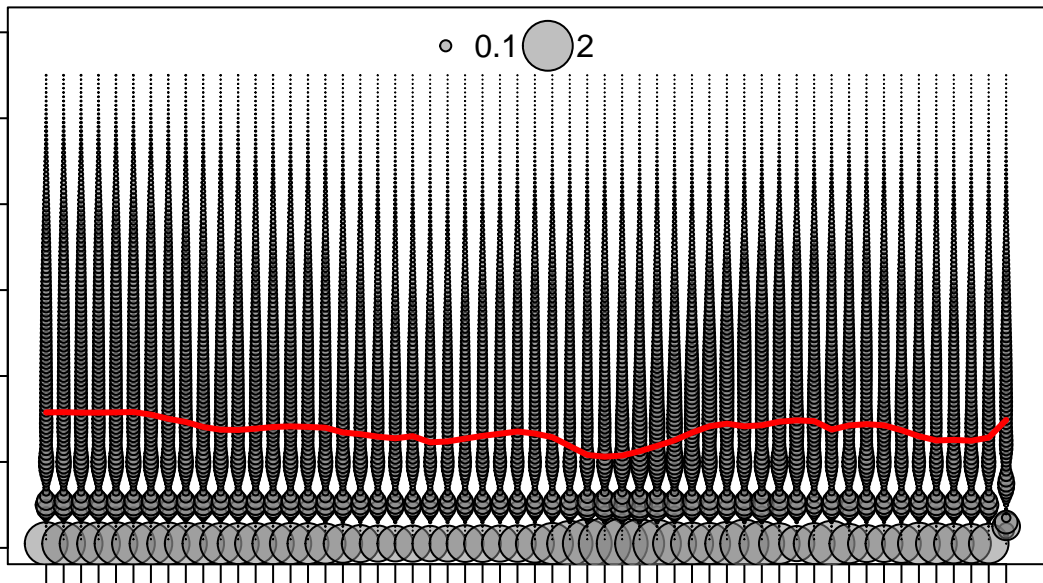
2003

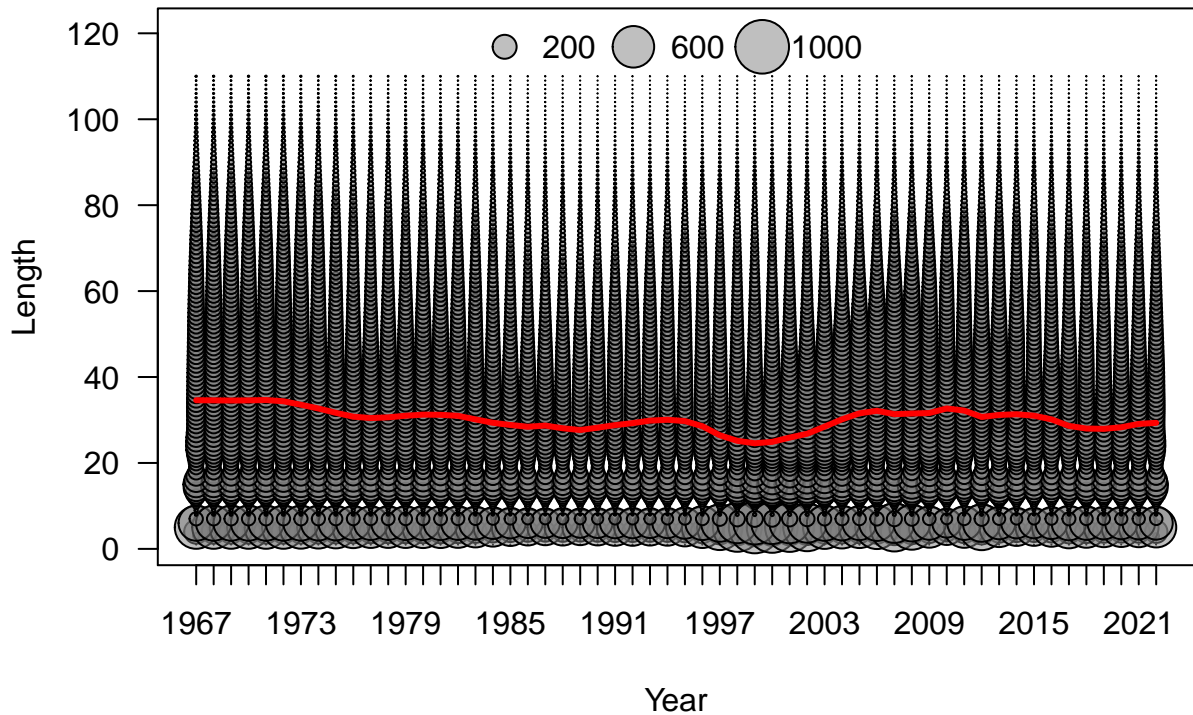
2009

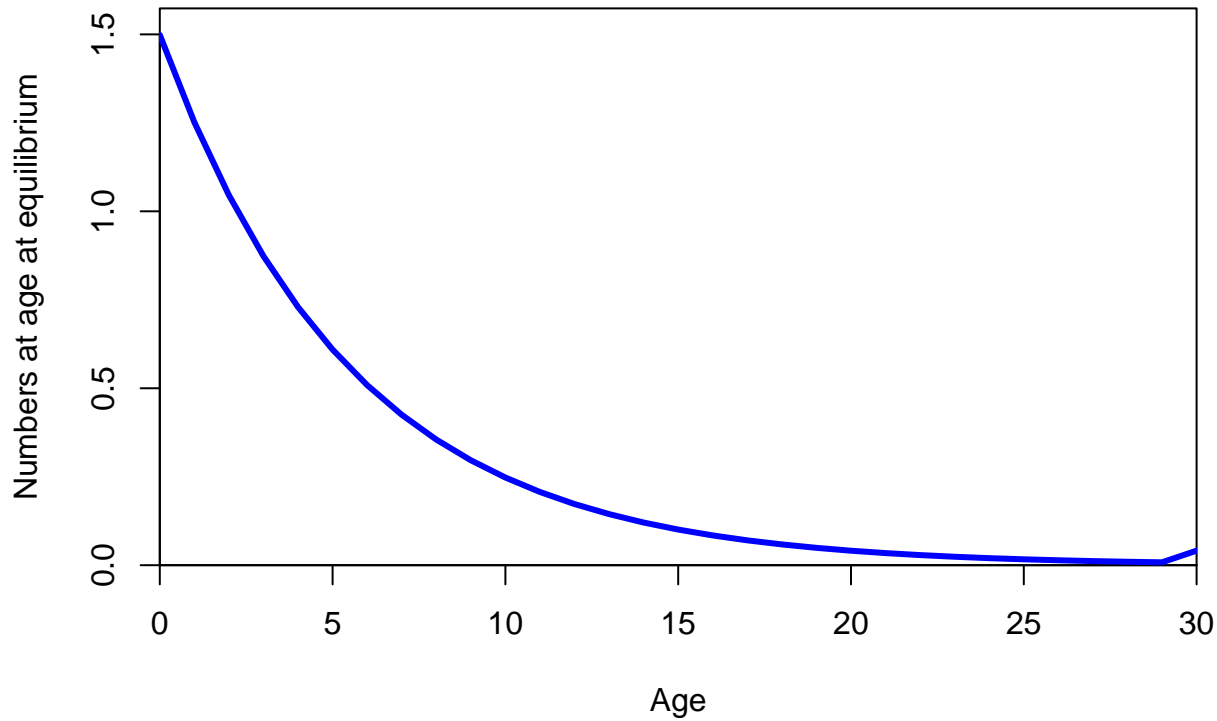
2015

2021

Year

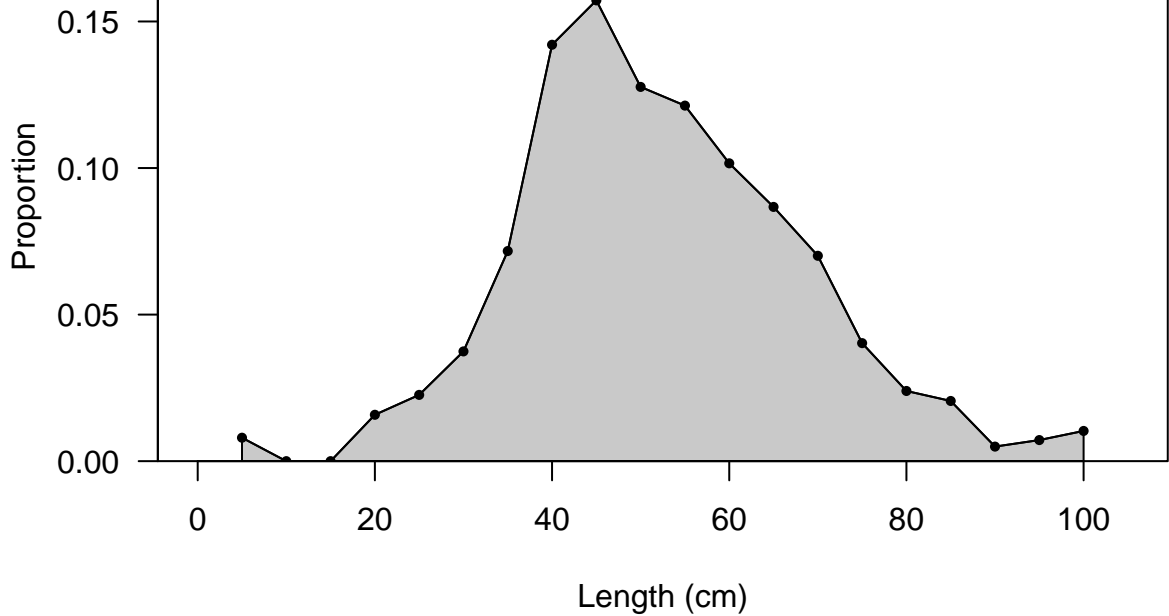


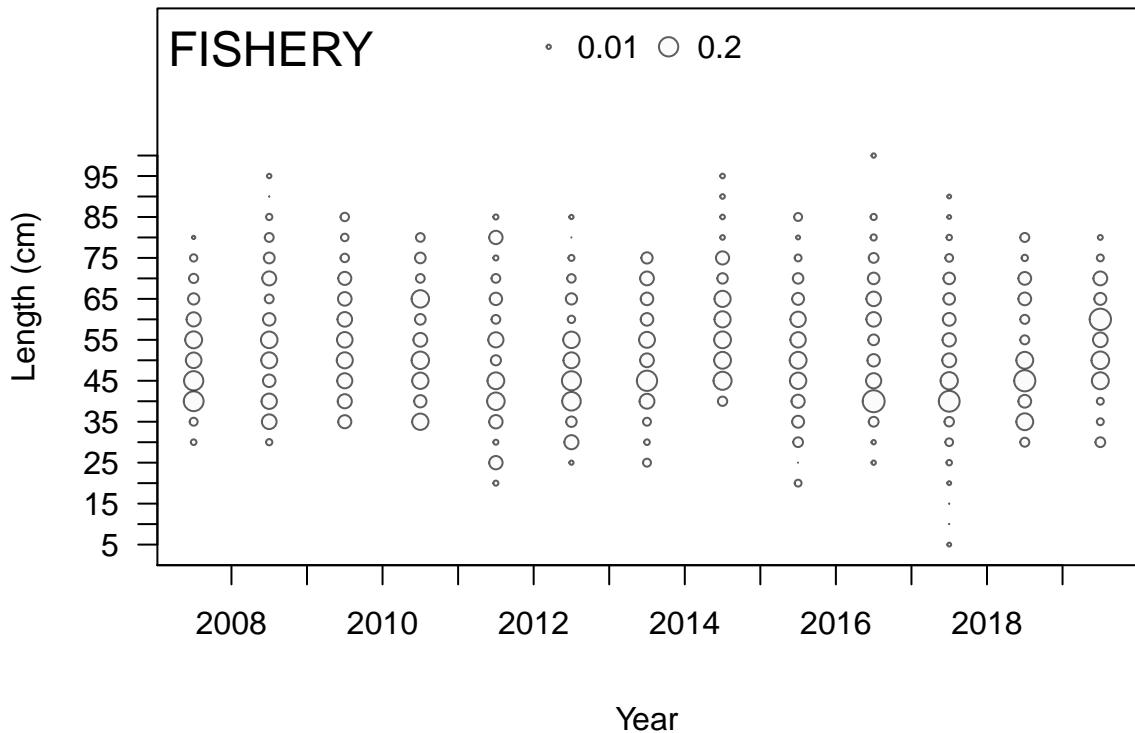




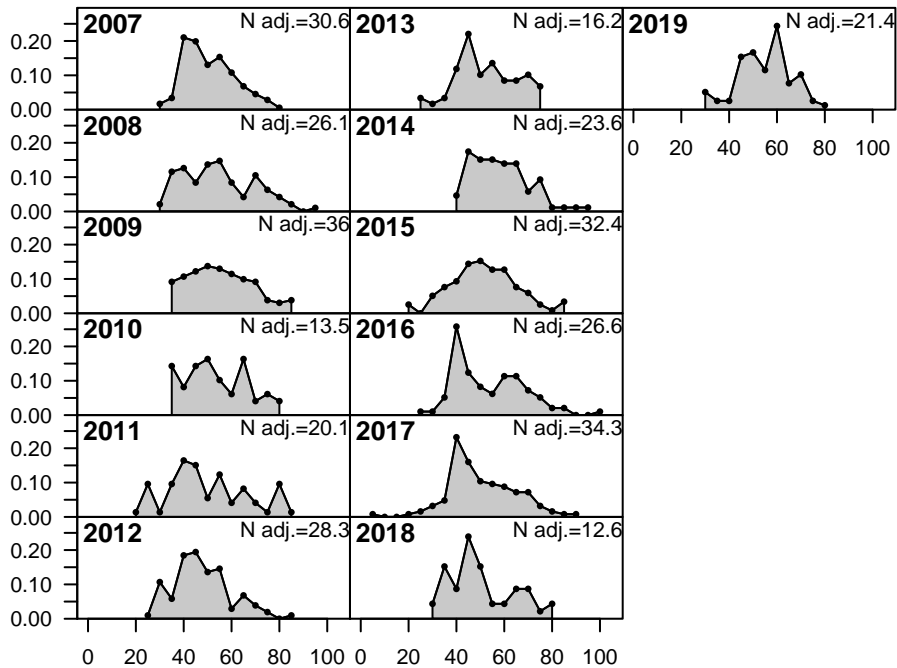
FISHERY

Sum of N adj.=321.7

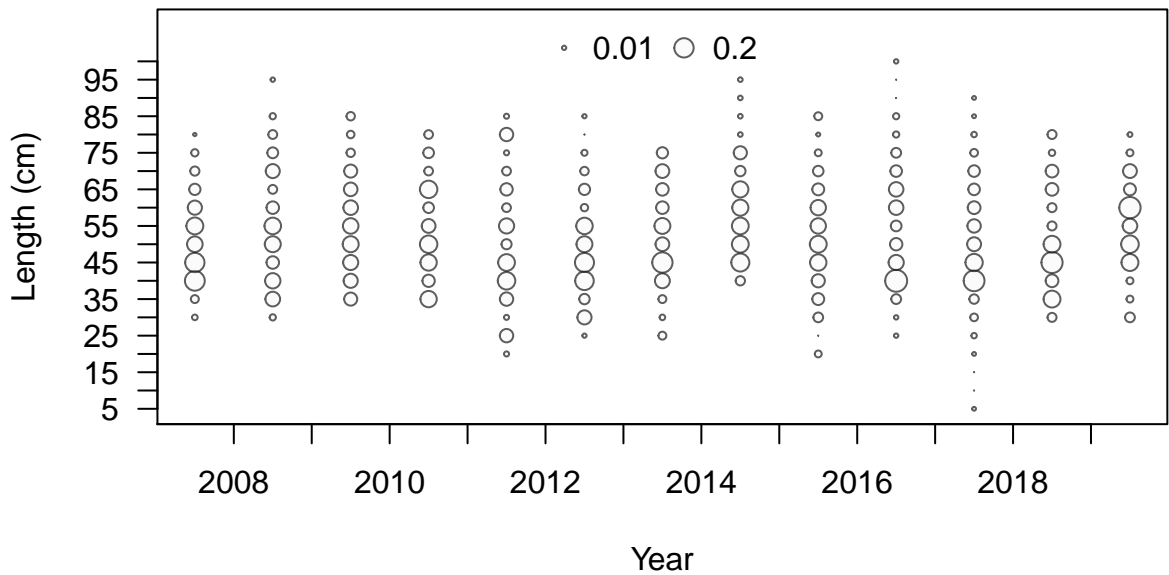




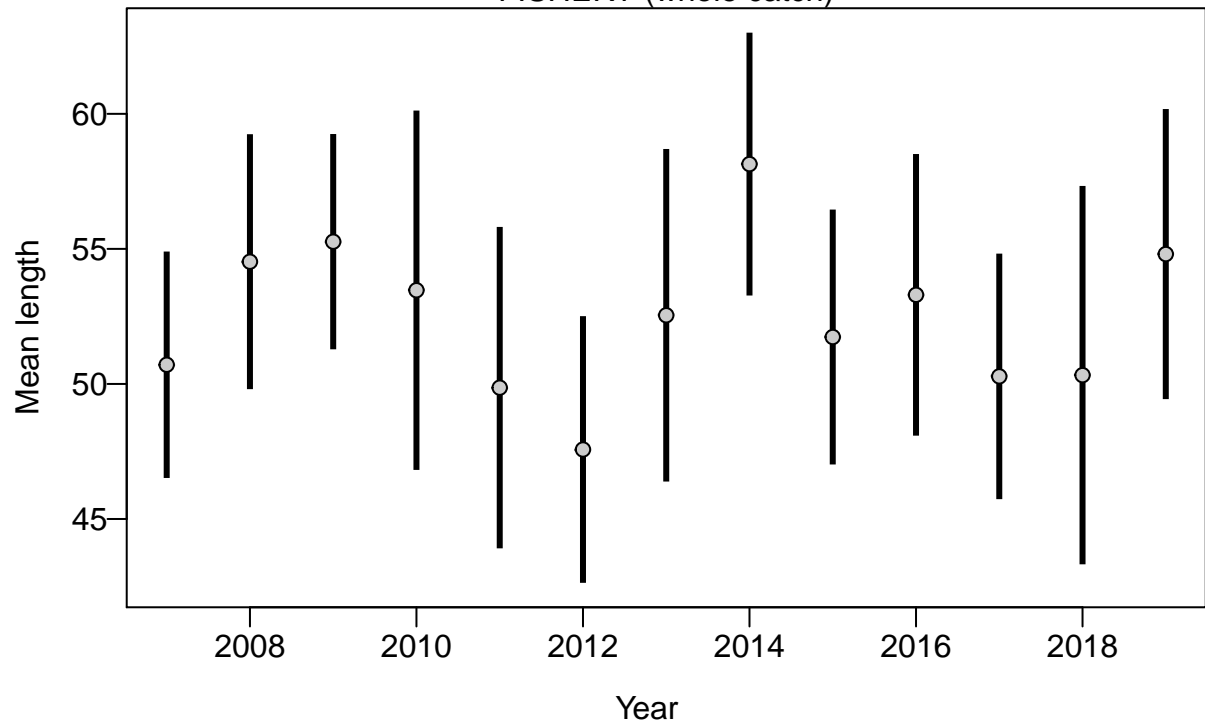
Proportion



Length (cm)

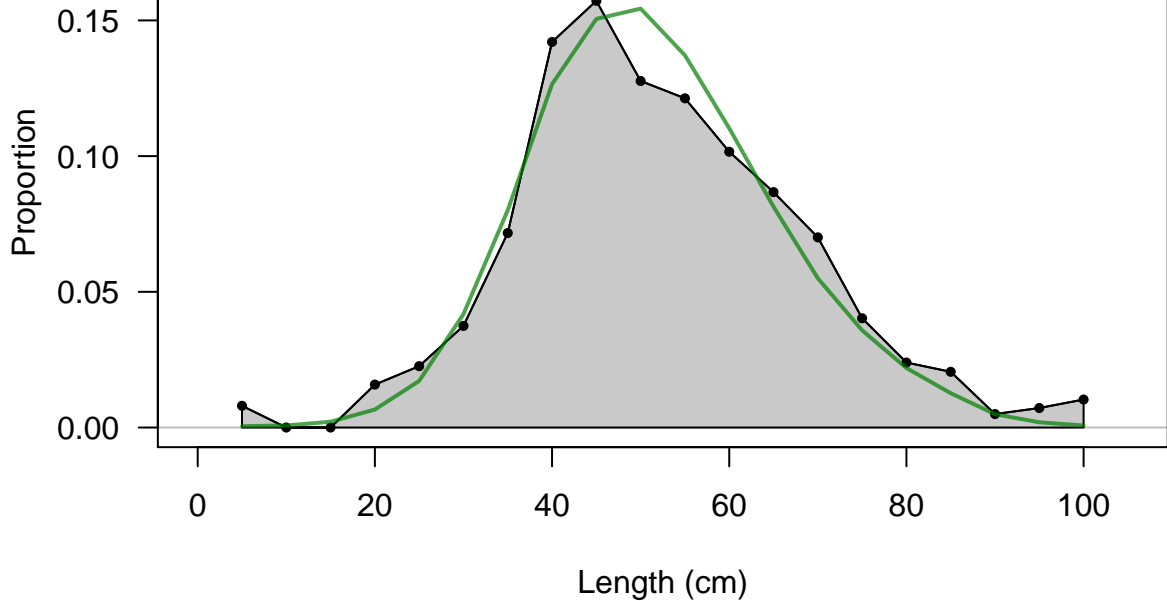


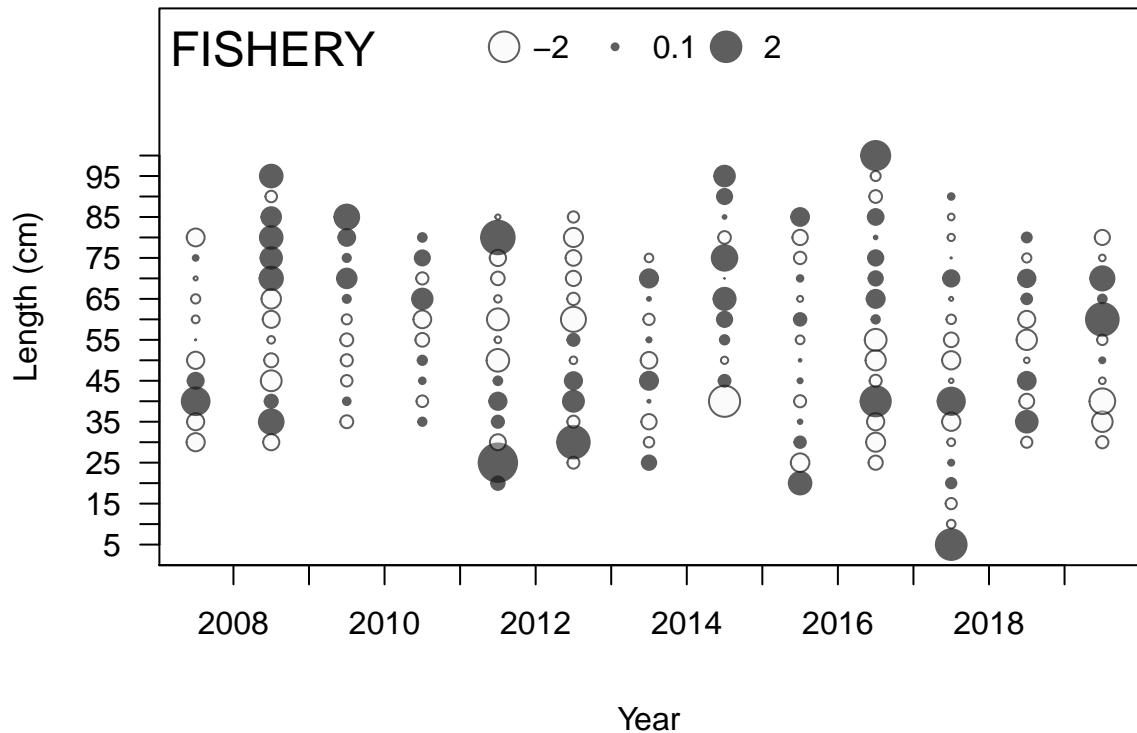
FISHERY (whole catch)



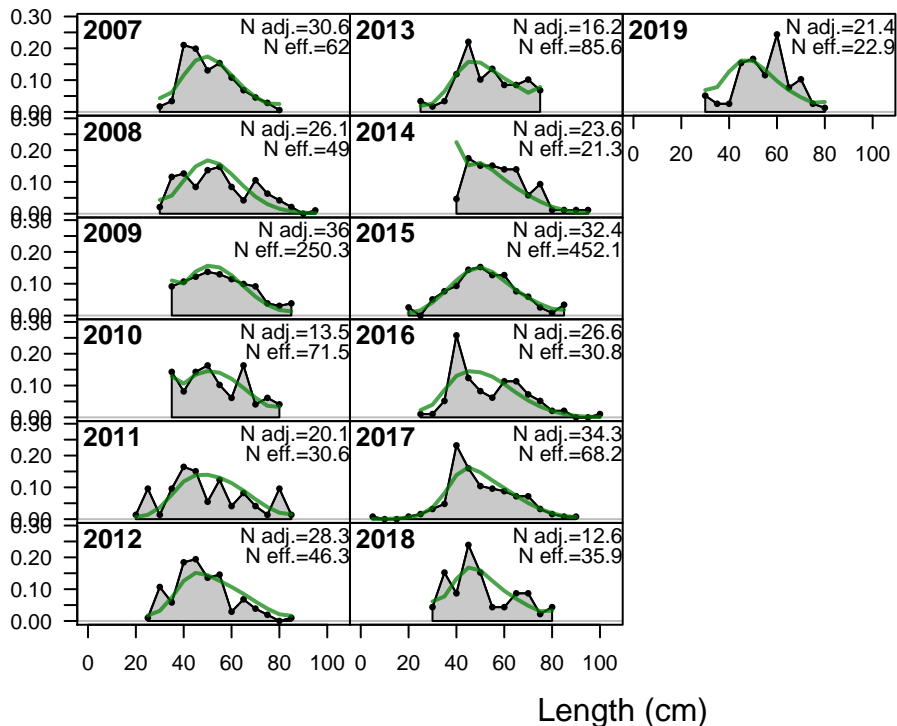
FISHERY

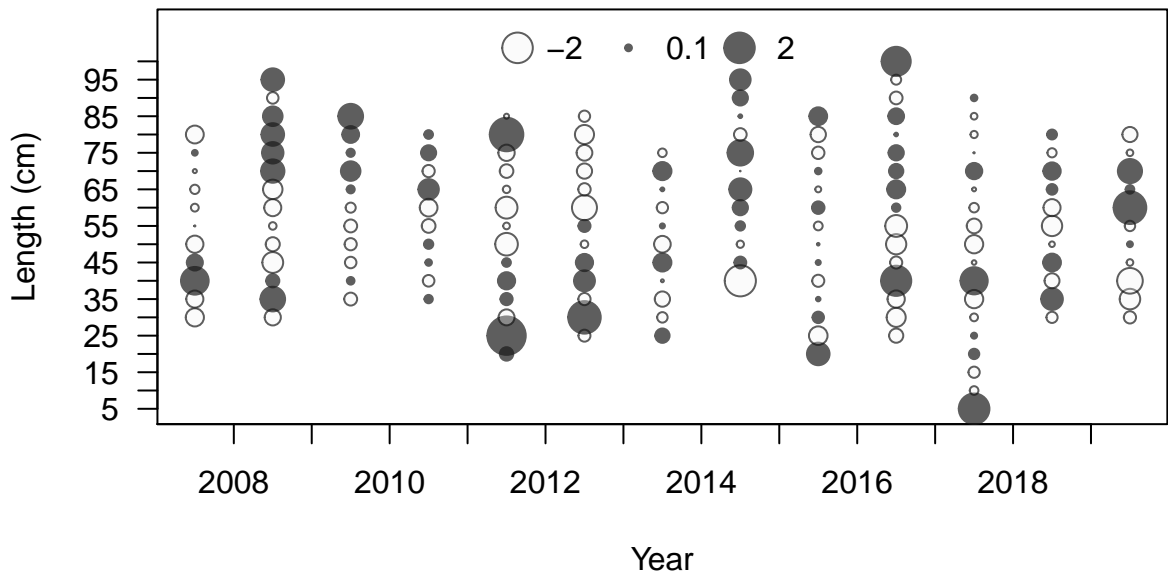
Sum of N adj.=321.7
Sum of N eff.=1226.3

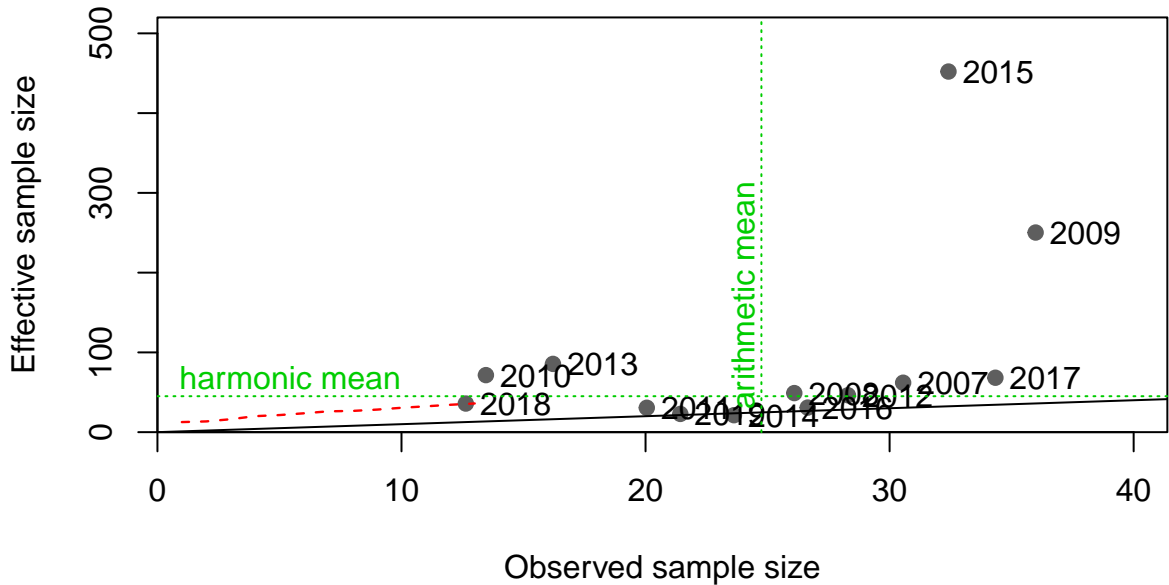




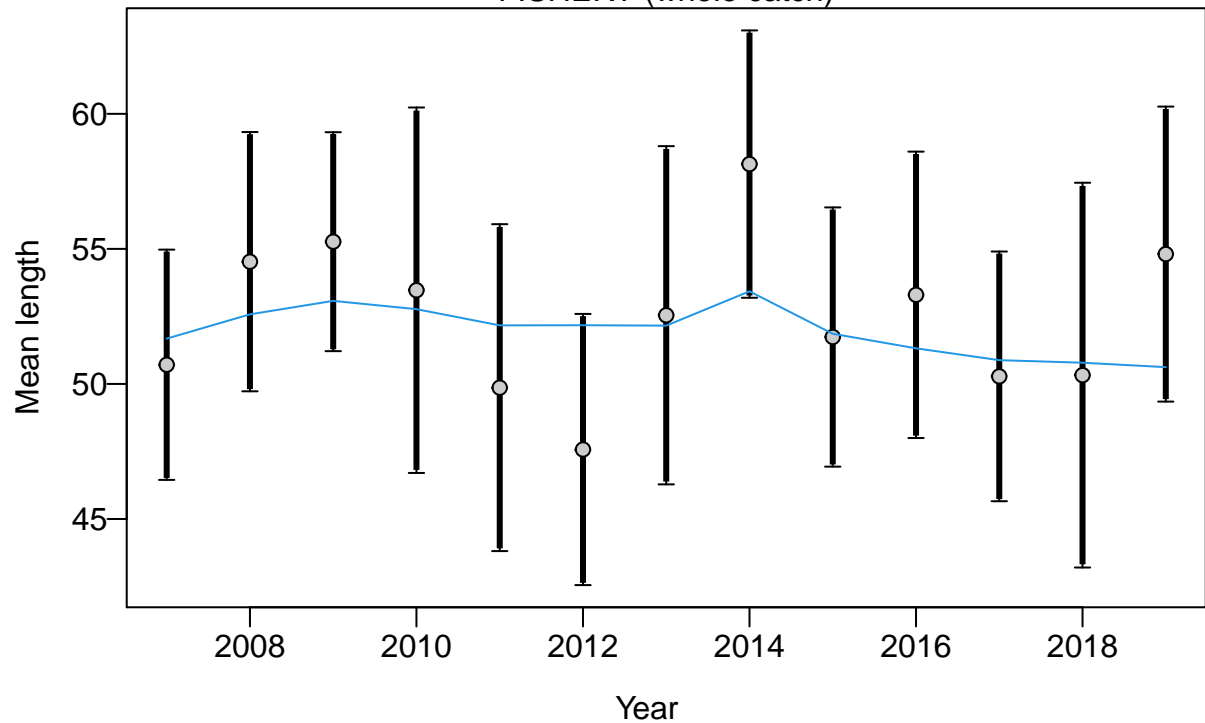
Proportion

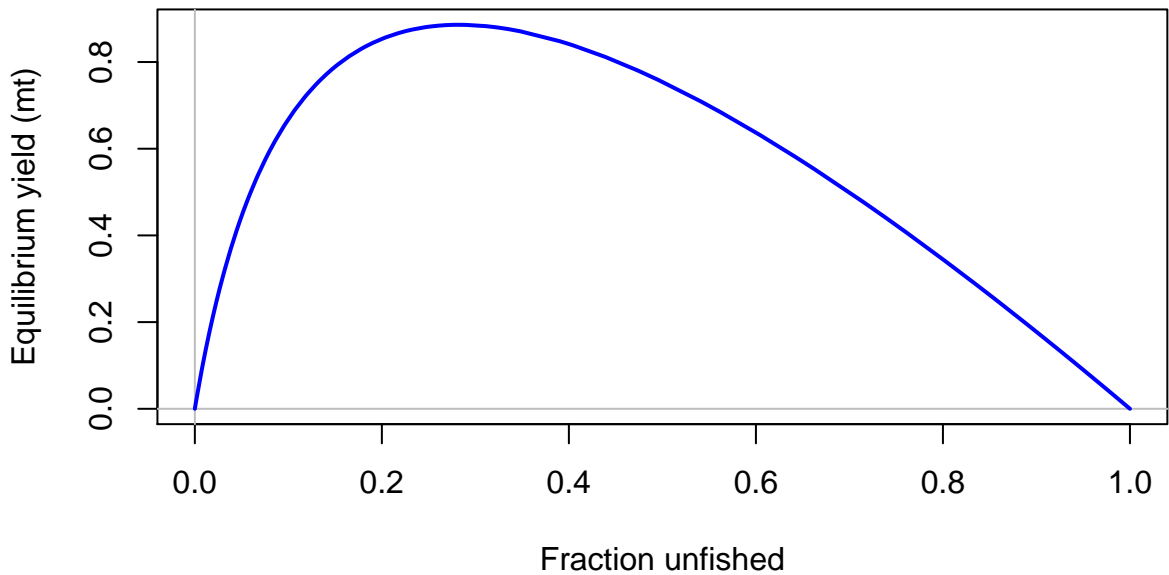


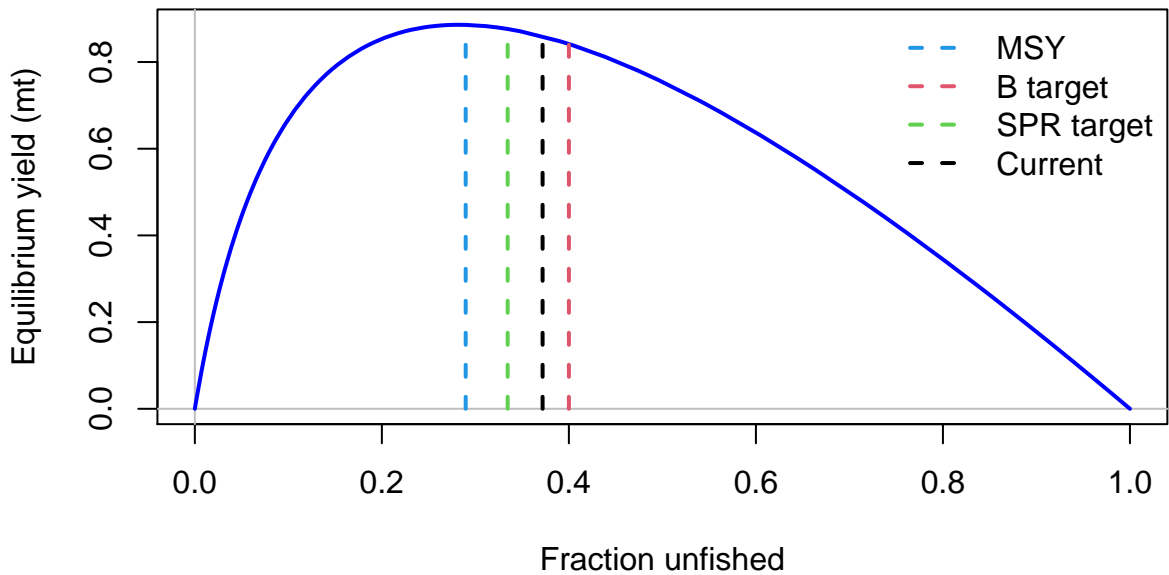


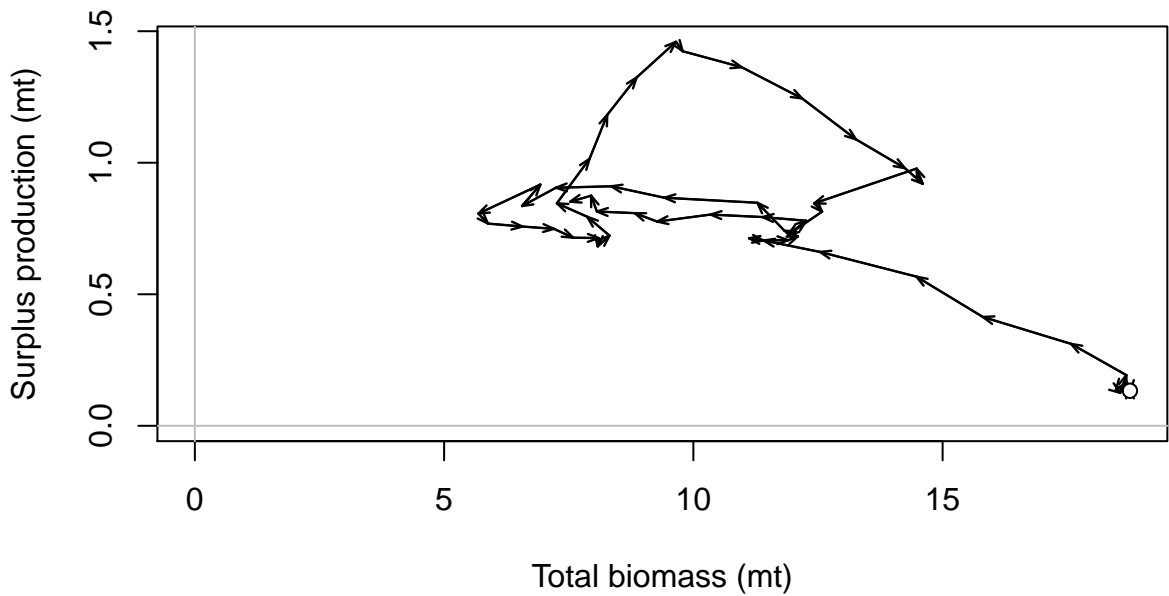


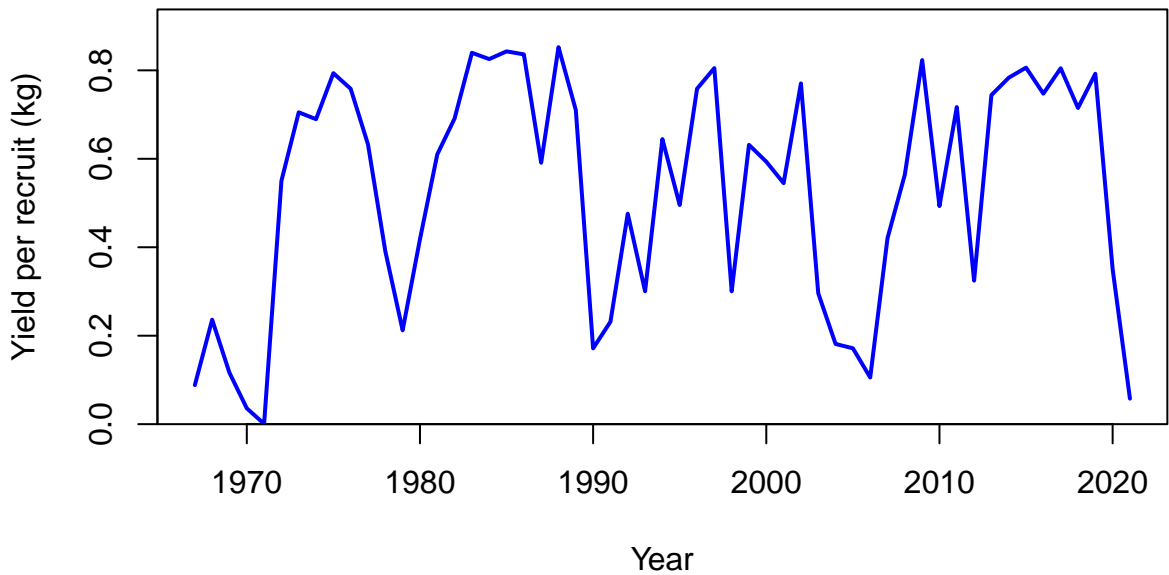
FISHERY (whole catch)

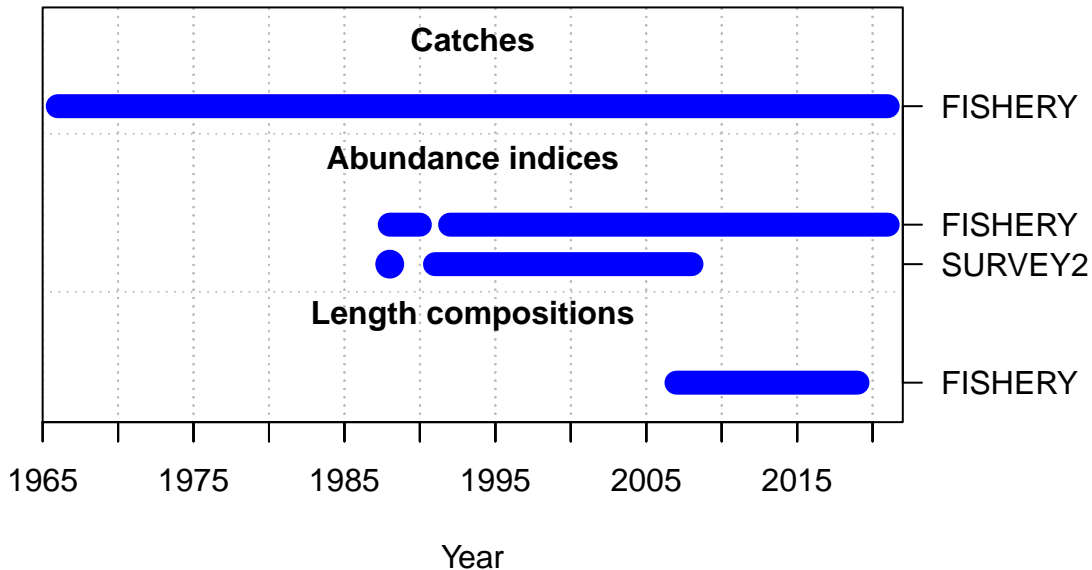


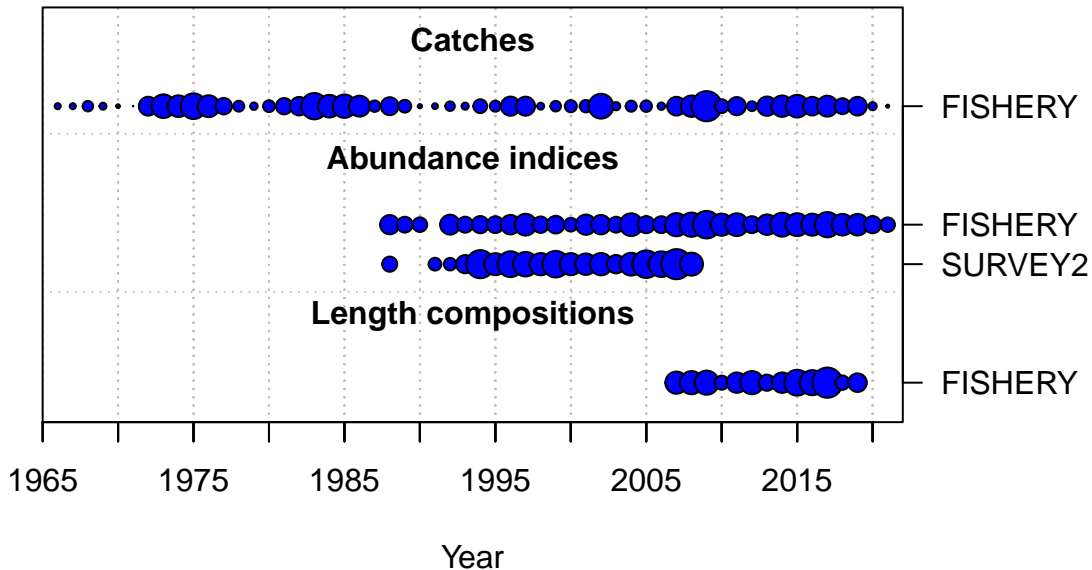




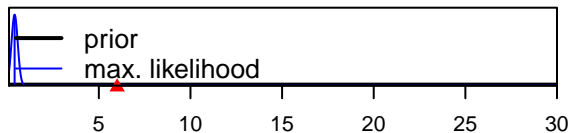




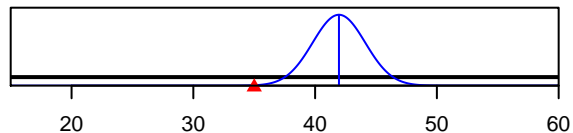




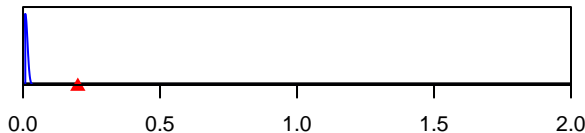
SR_LN(R0)



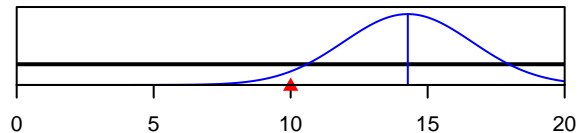
Size_inflection_FISHERY(1)



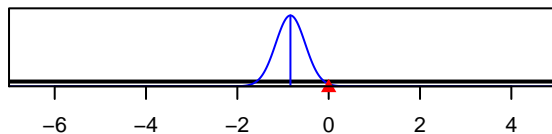
InitF_seas_1_flt_1FISHERY



Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)

