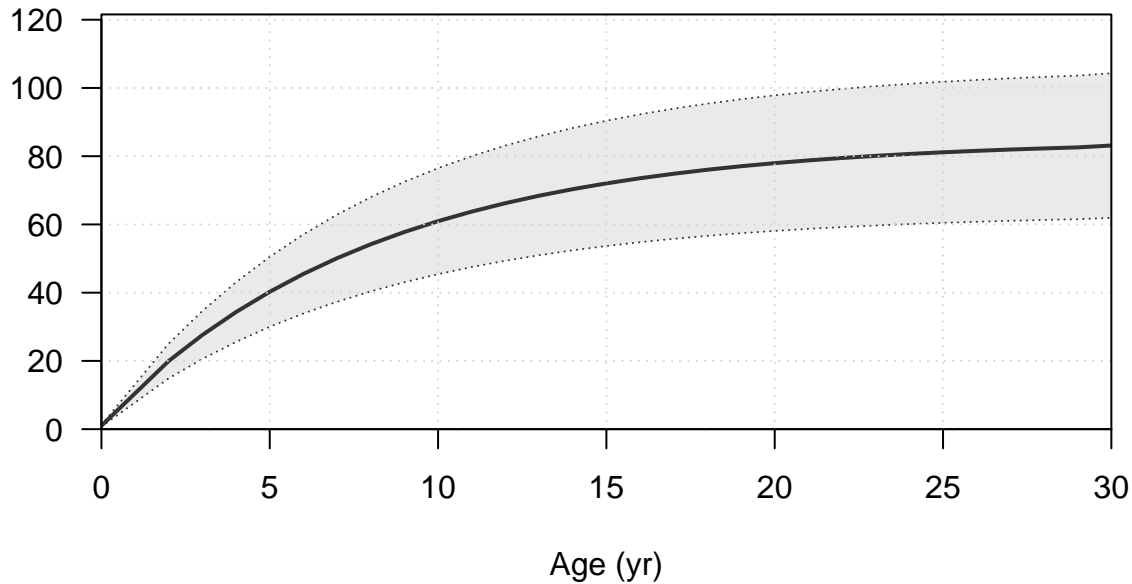
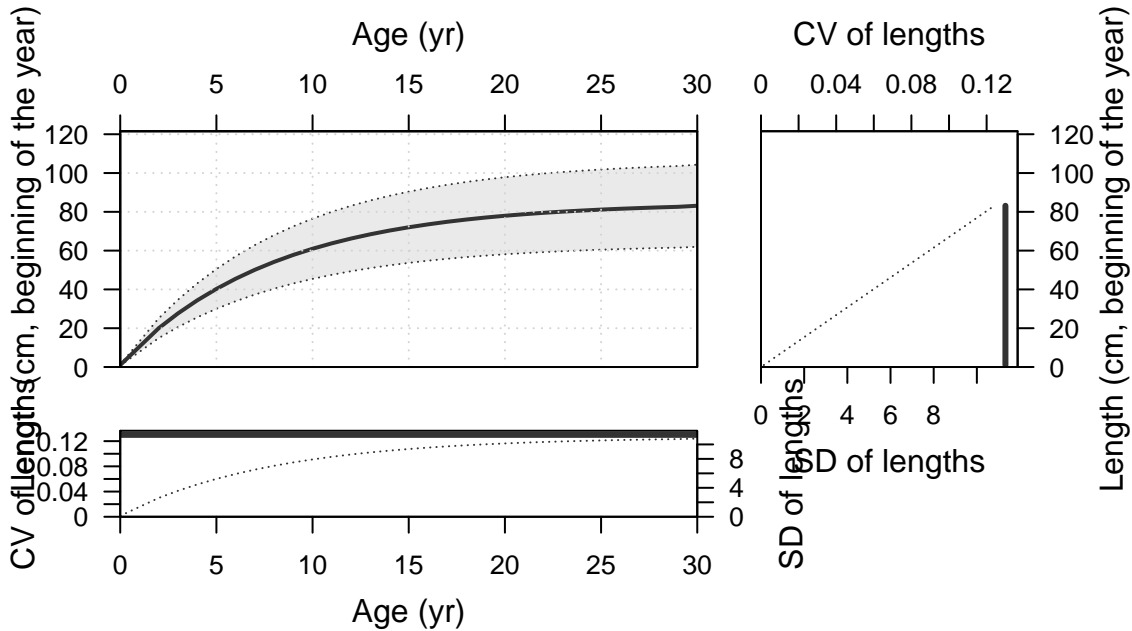
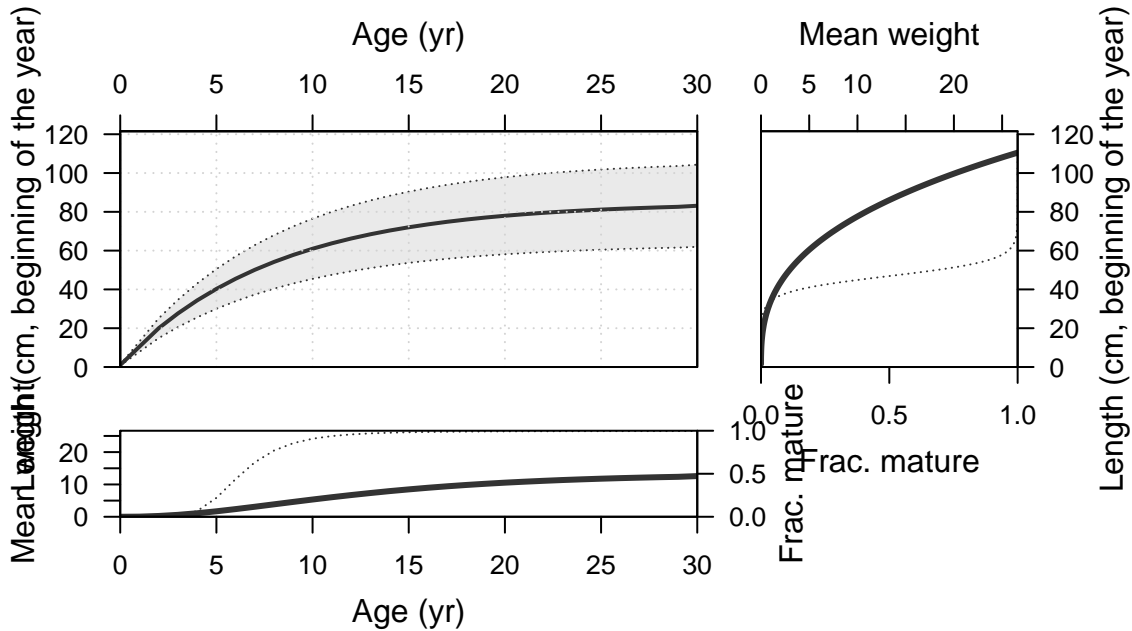


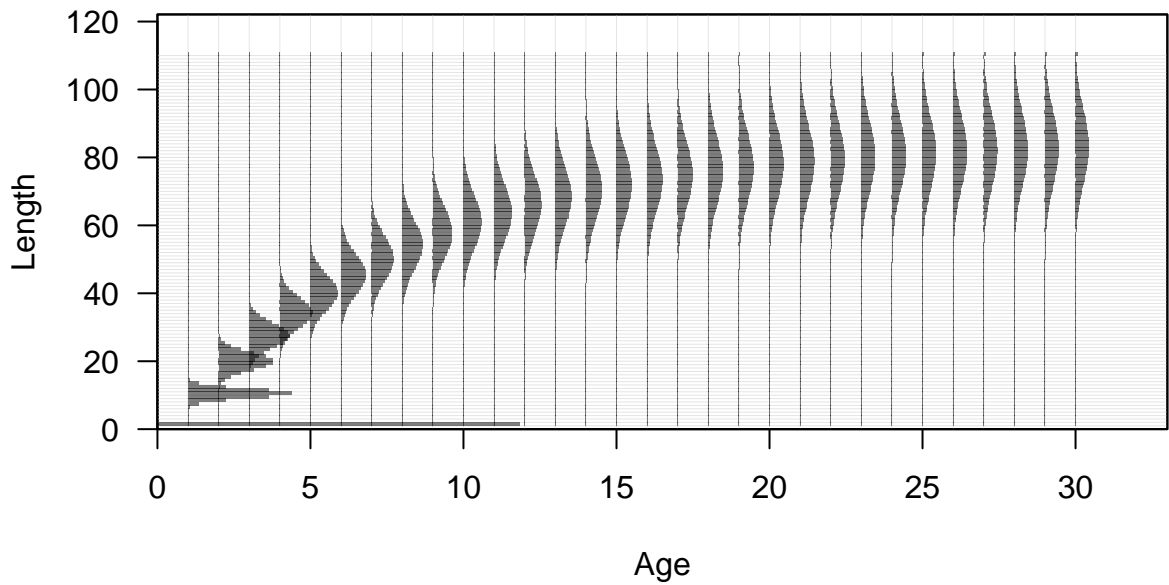
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Fri Jun 17 13:53:38 2022
Data_File: data.ss
Control_File: control.ss

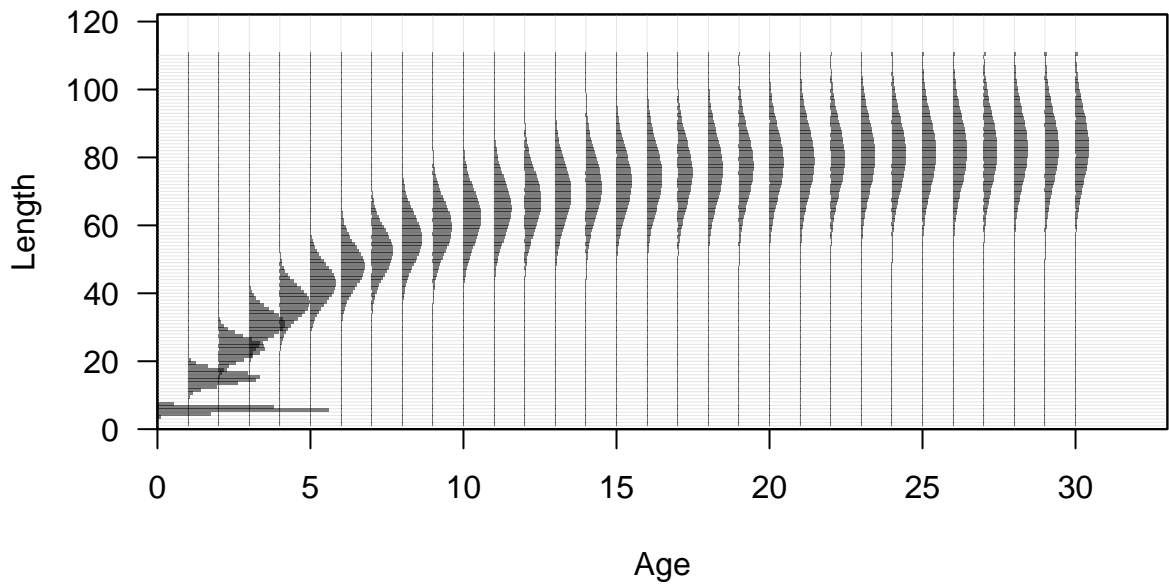
Length (cm, beginning of the year)

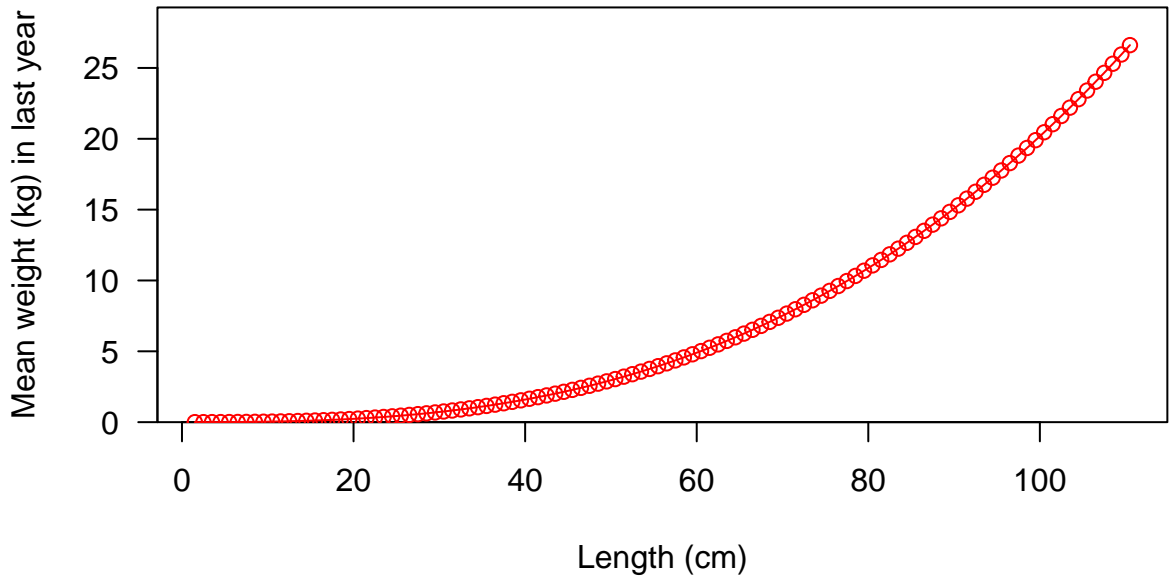


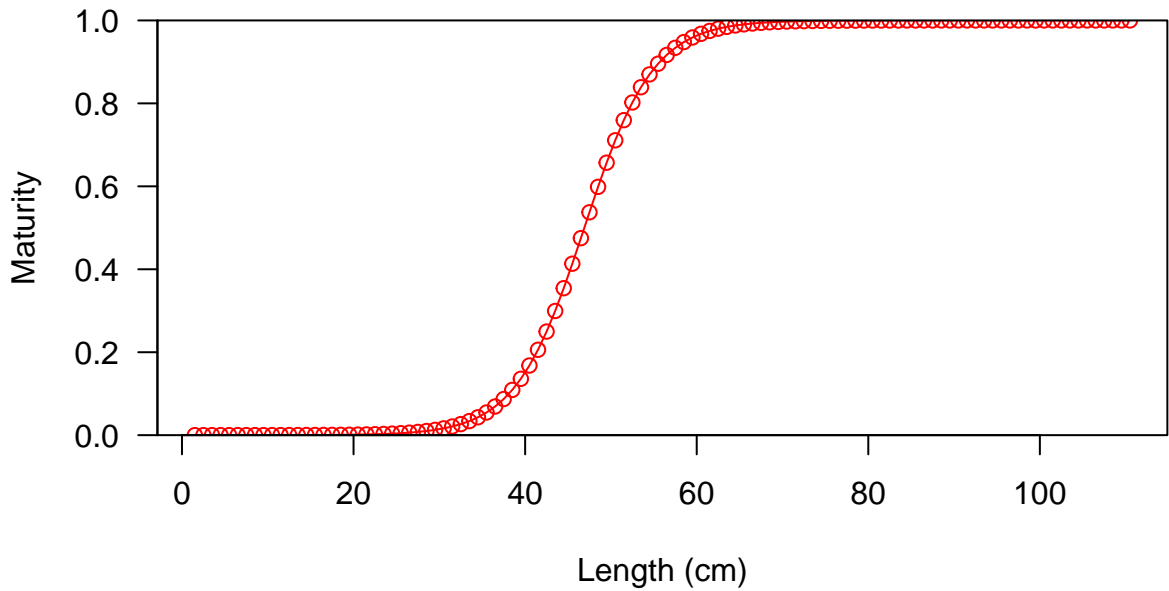


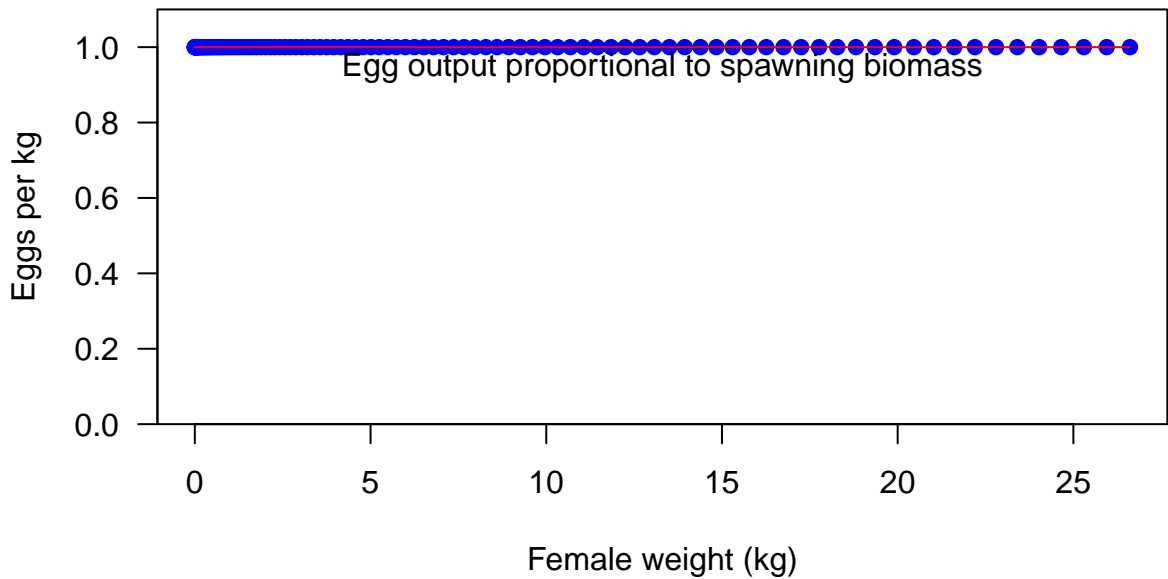


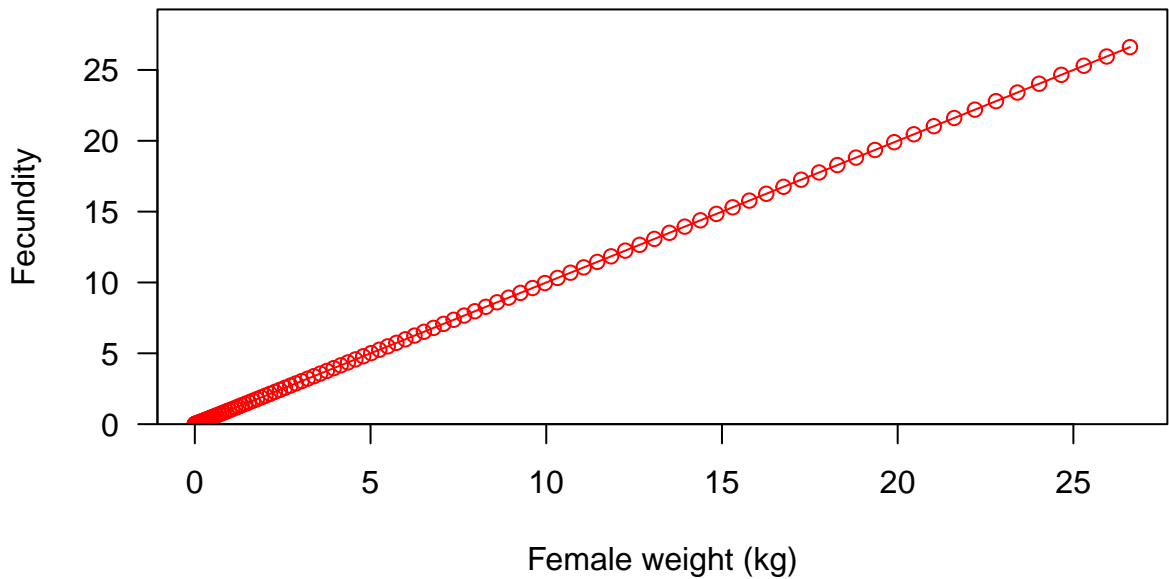




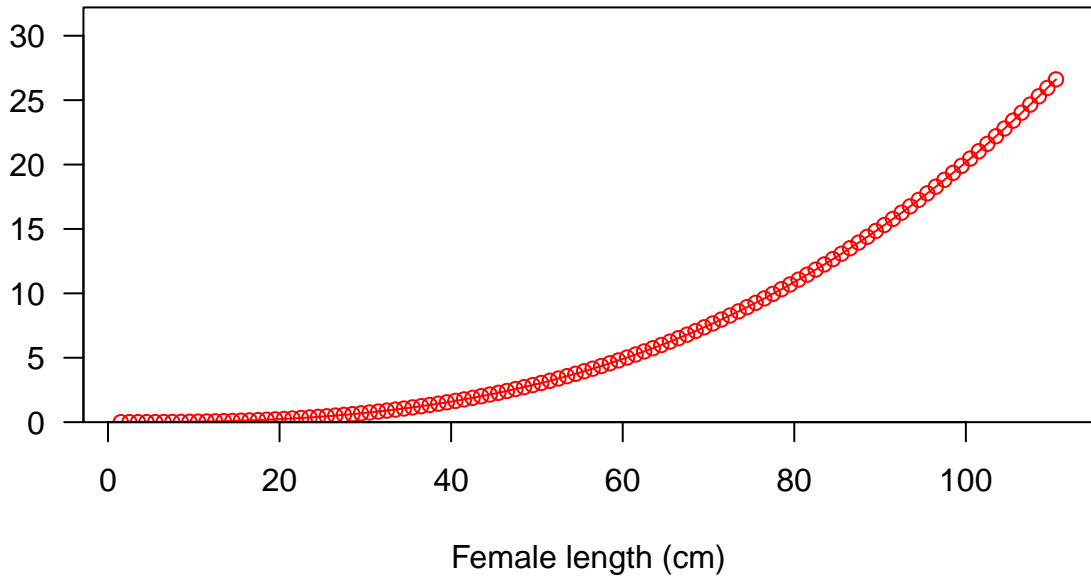




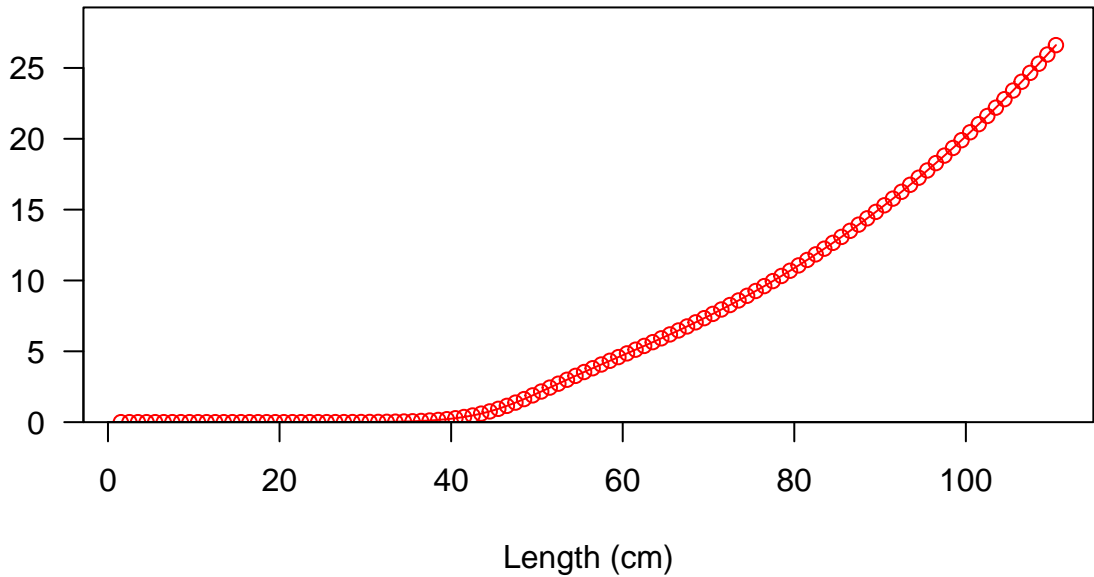




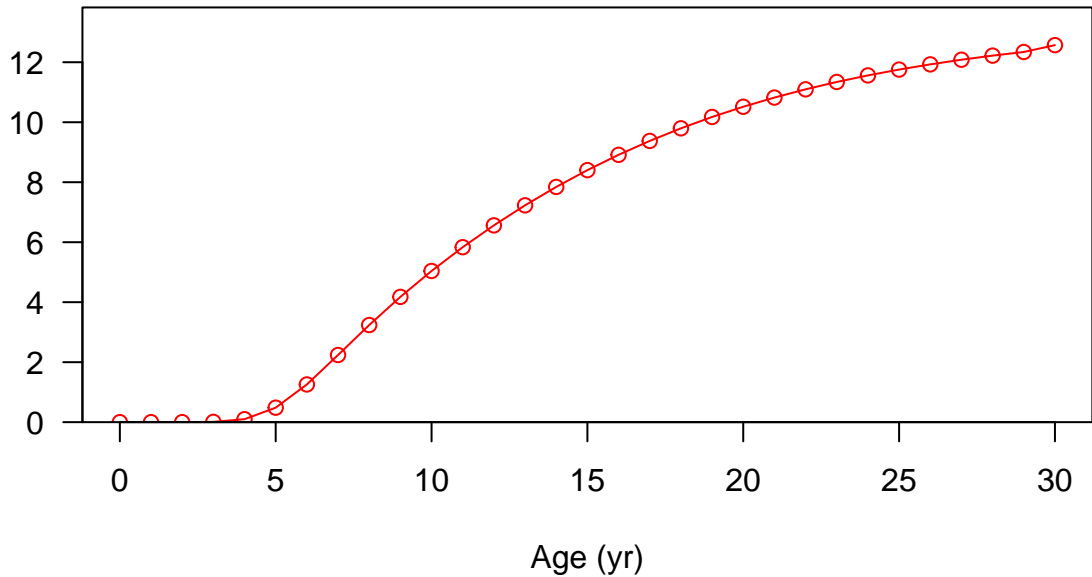
Fecundity



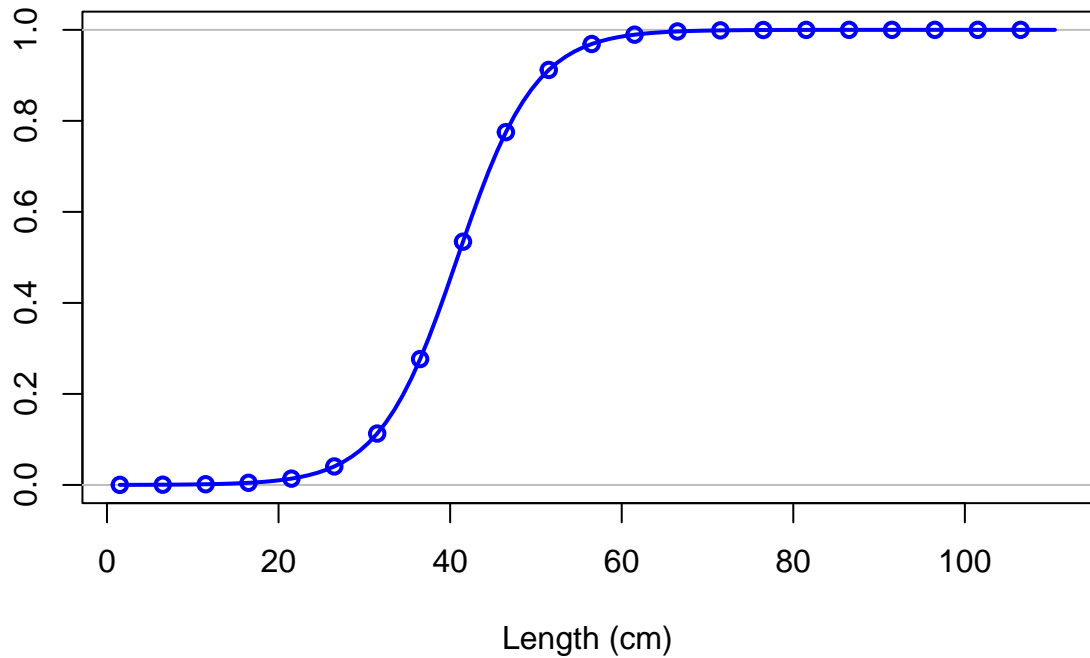
Spawning output



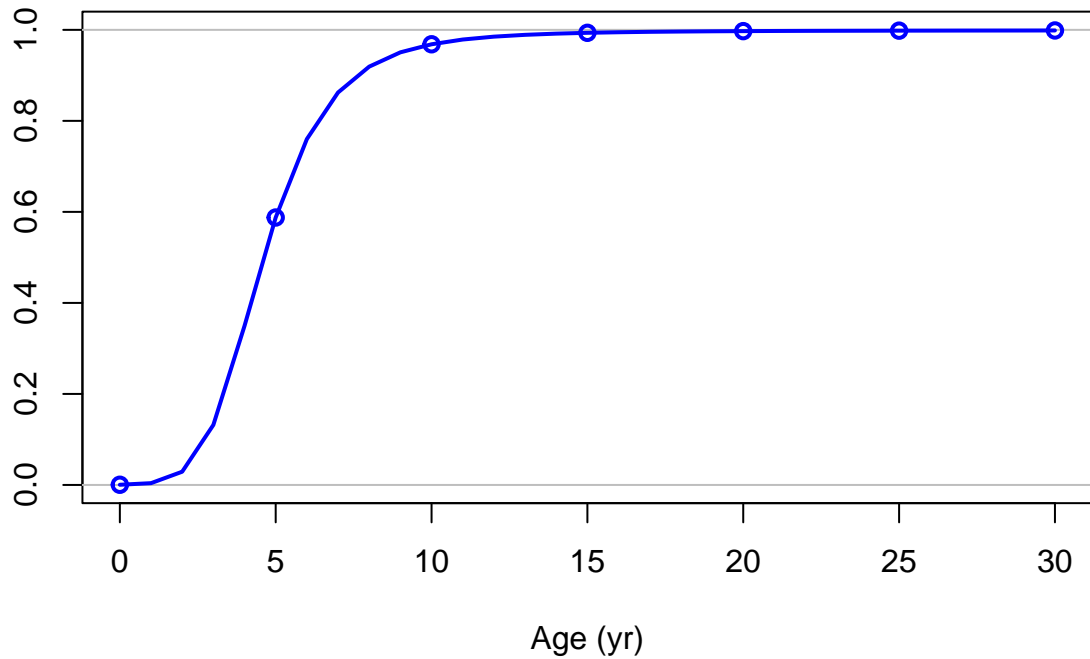
Spawning output



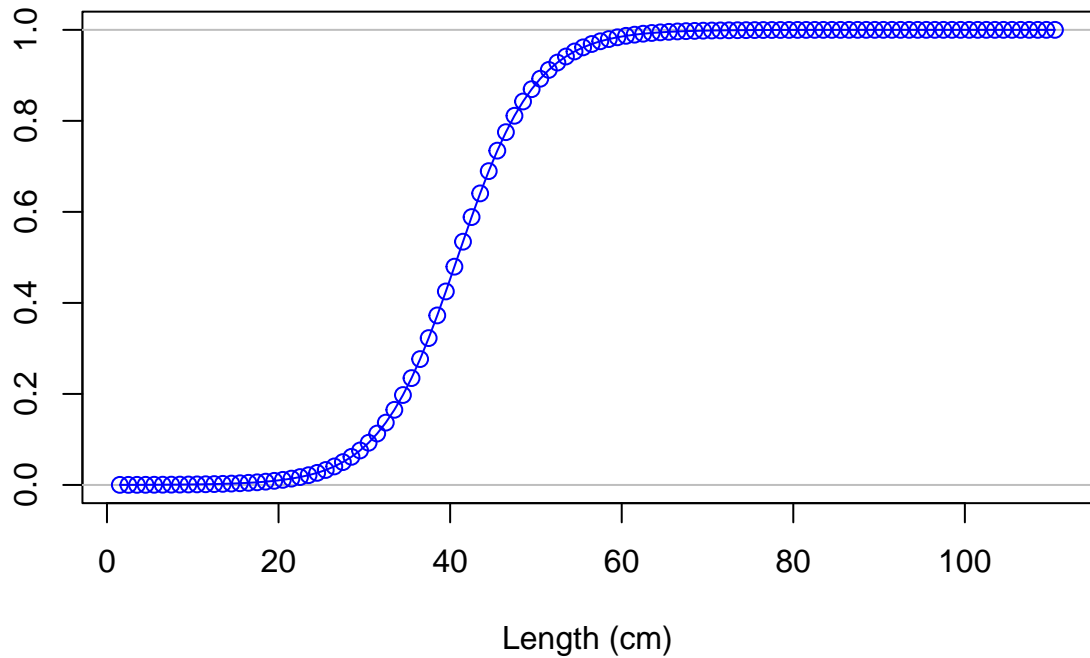
Selectivity

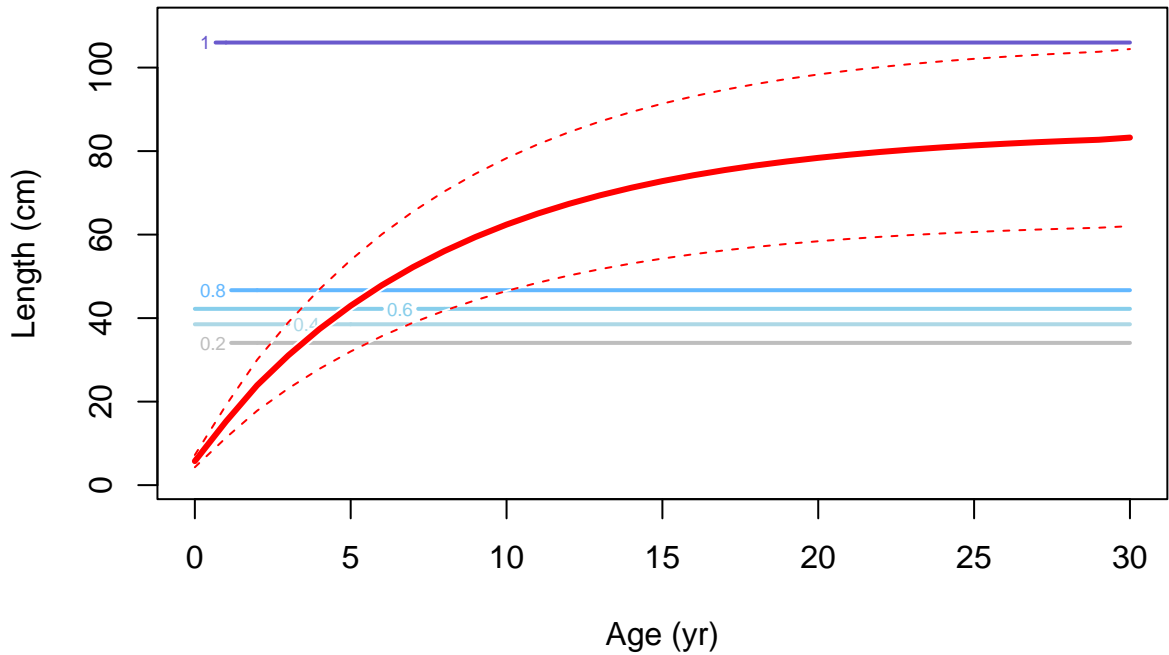


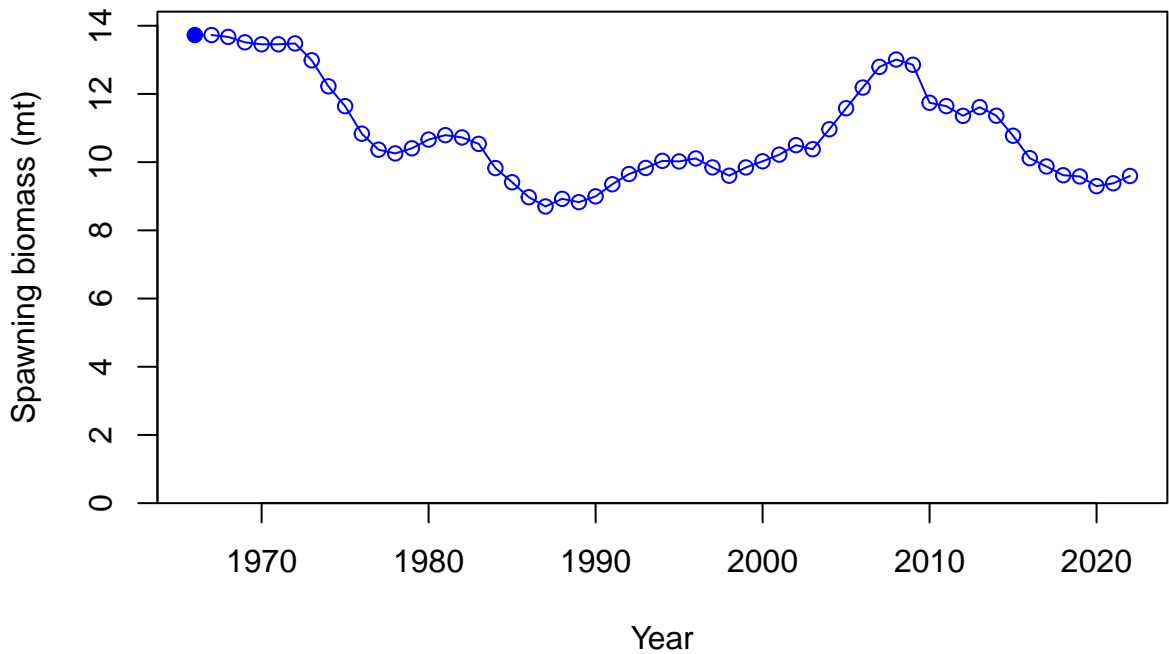
Selectivity



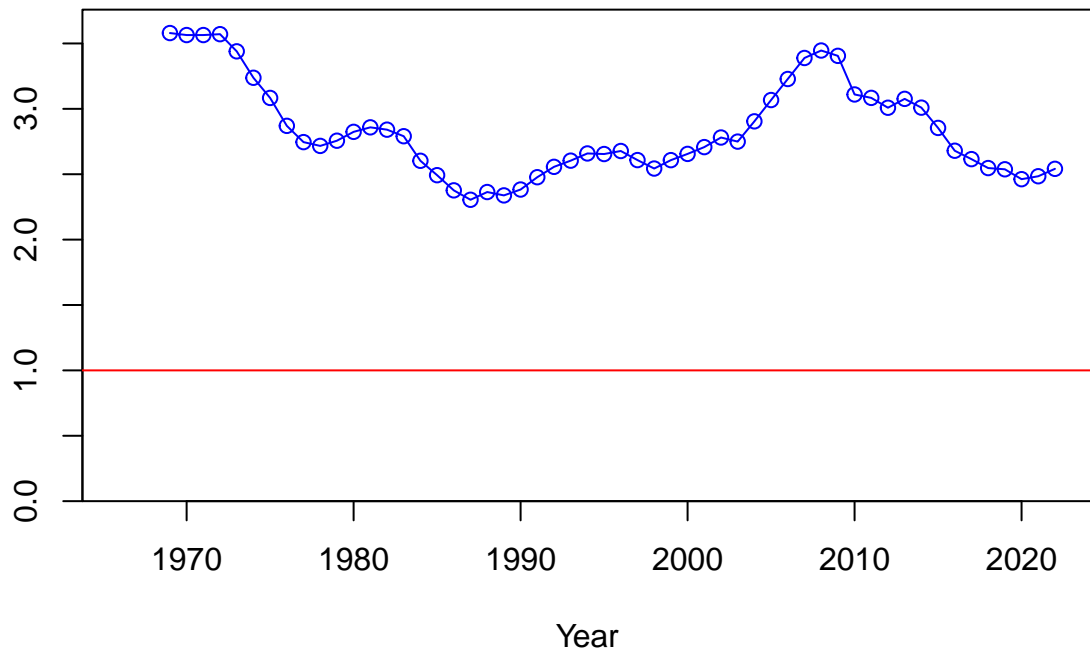
Selectivity

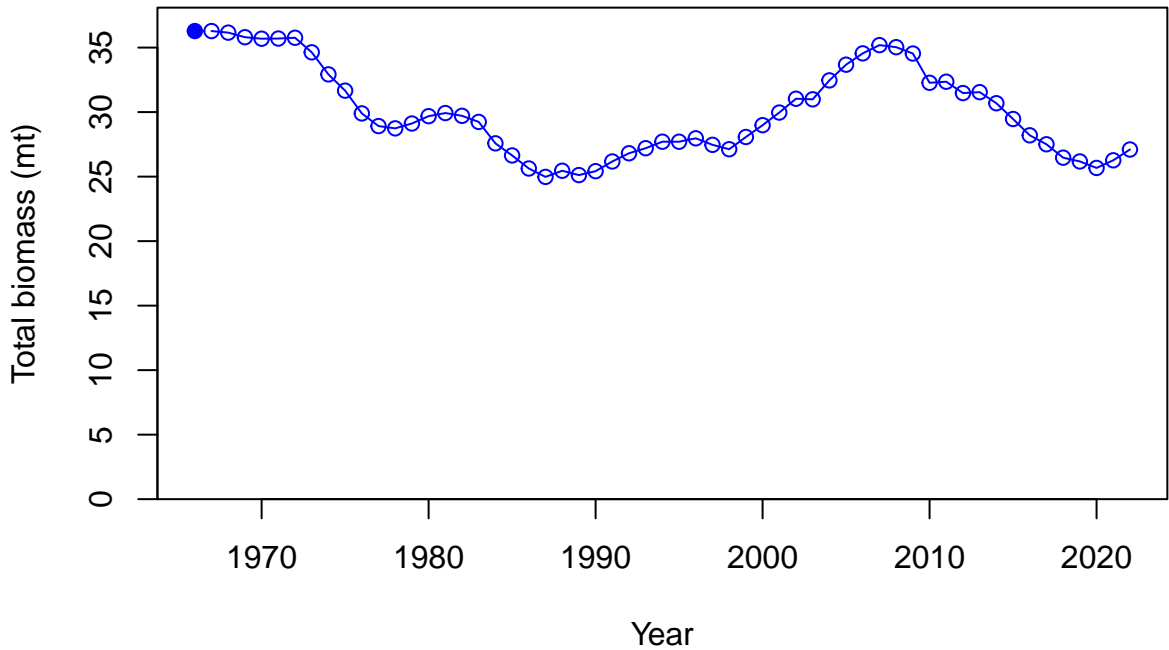


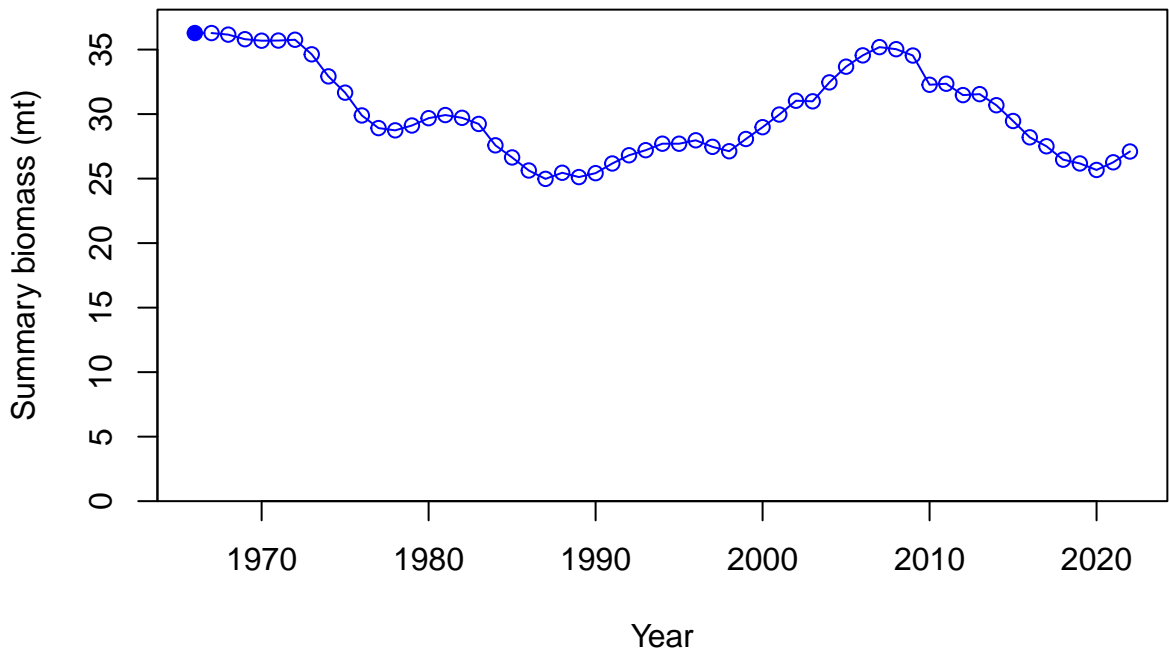




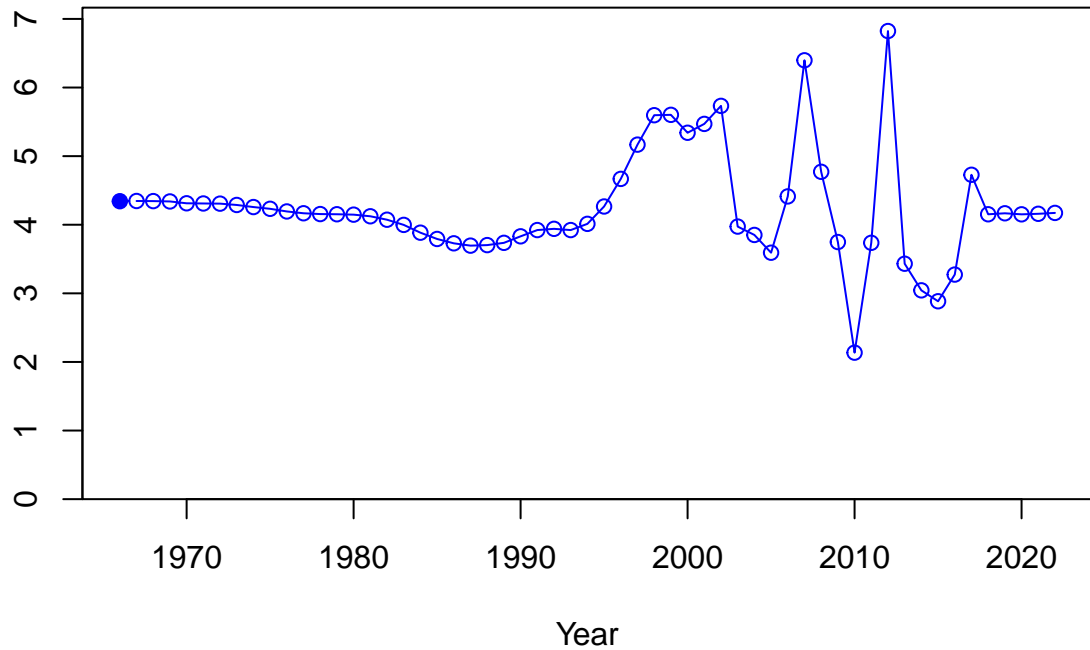
Relative spawning biomass: B/B_{MSY}



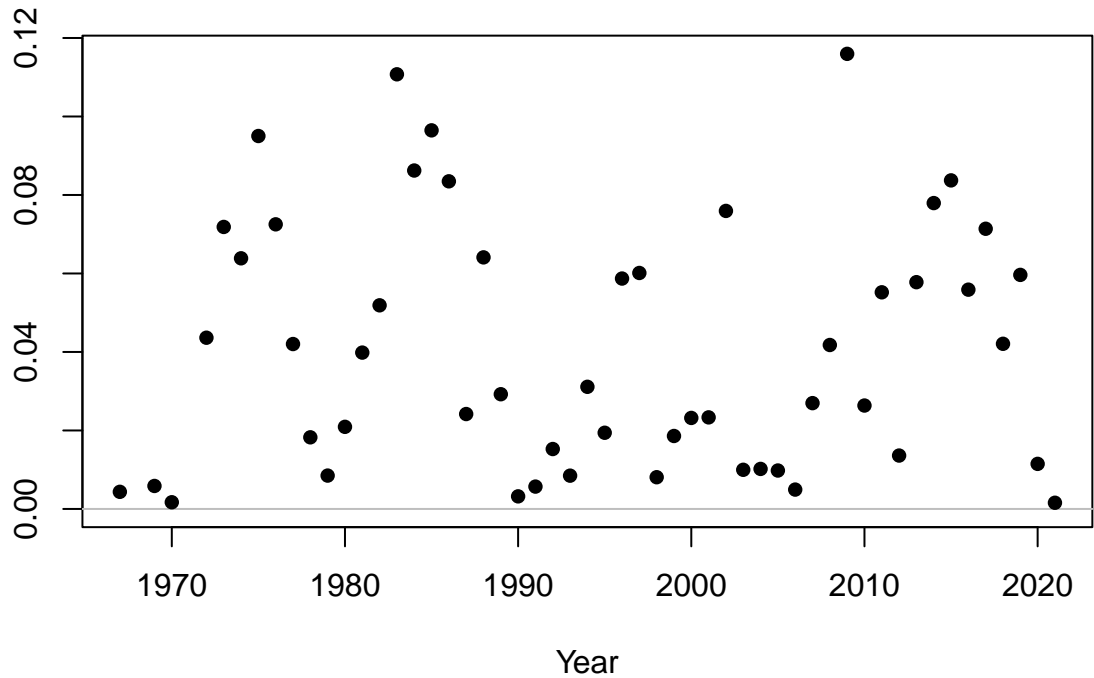


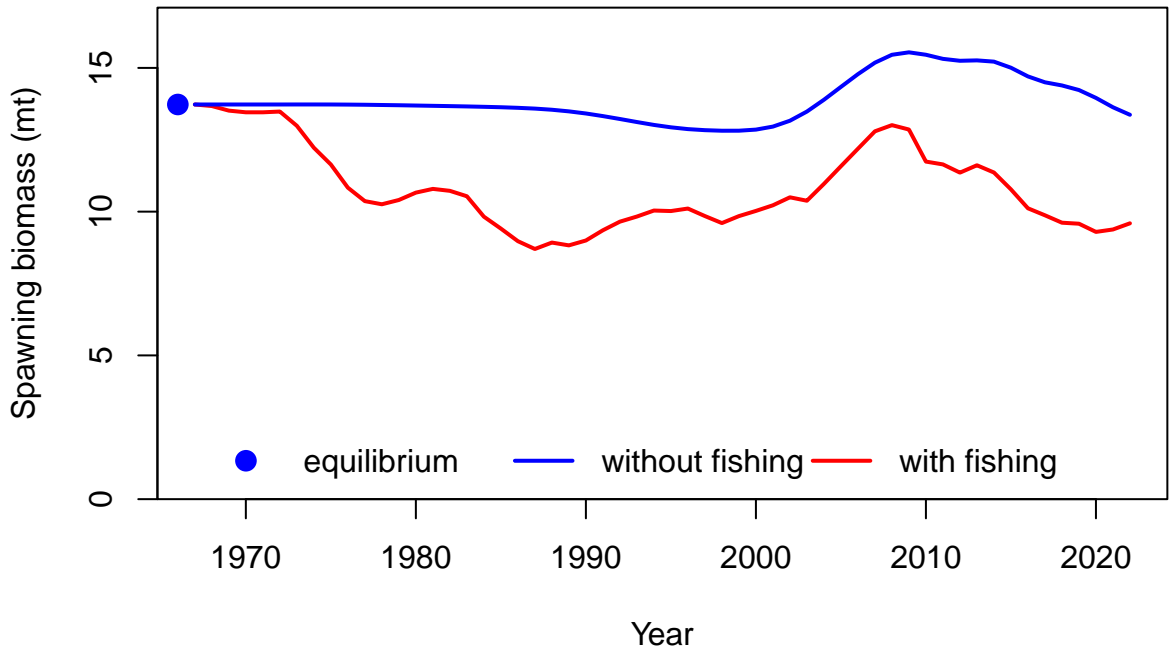


Age-0 recruits (1,000s)

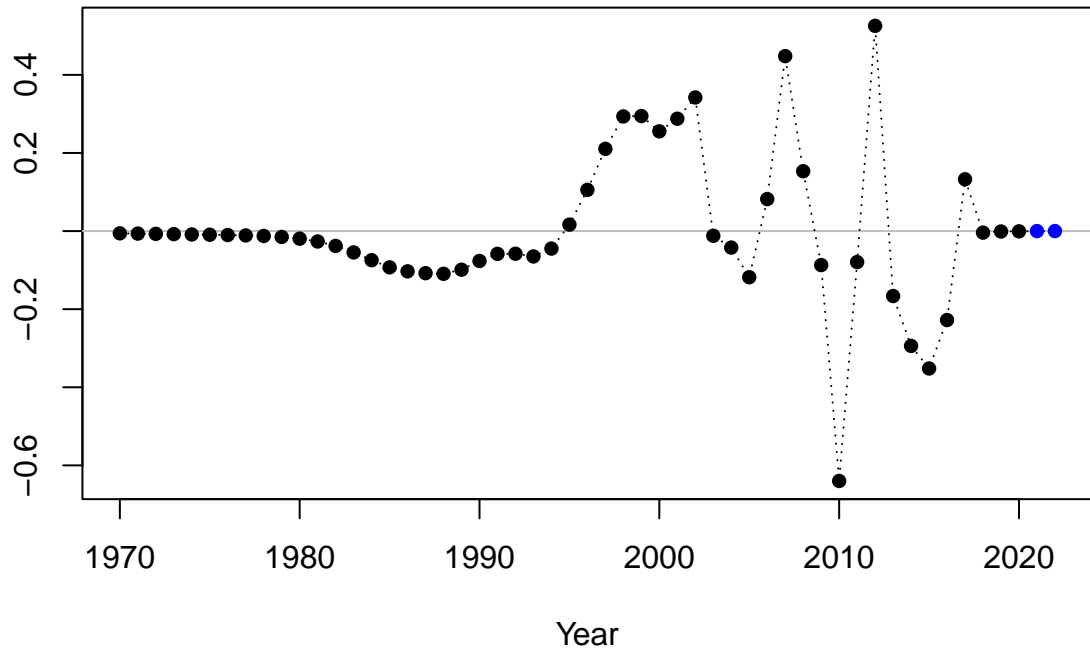


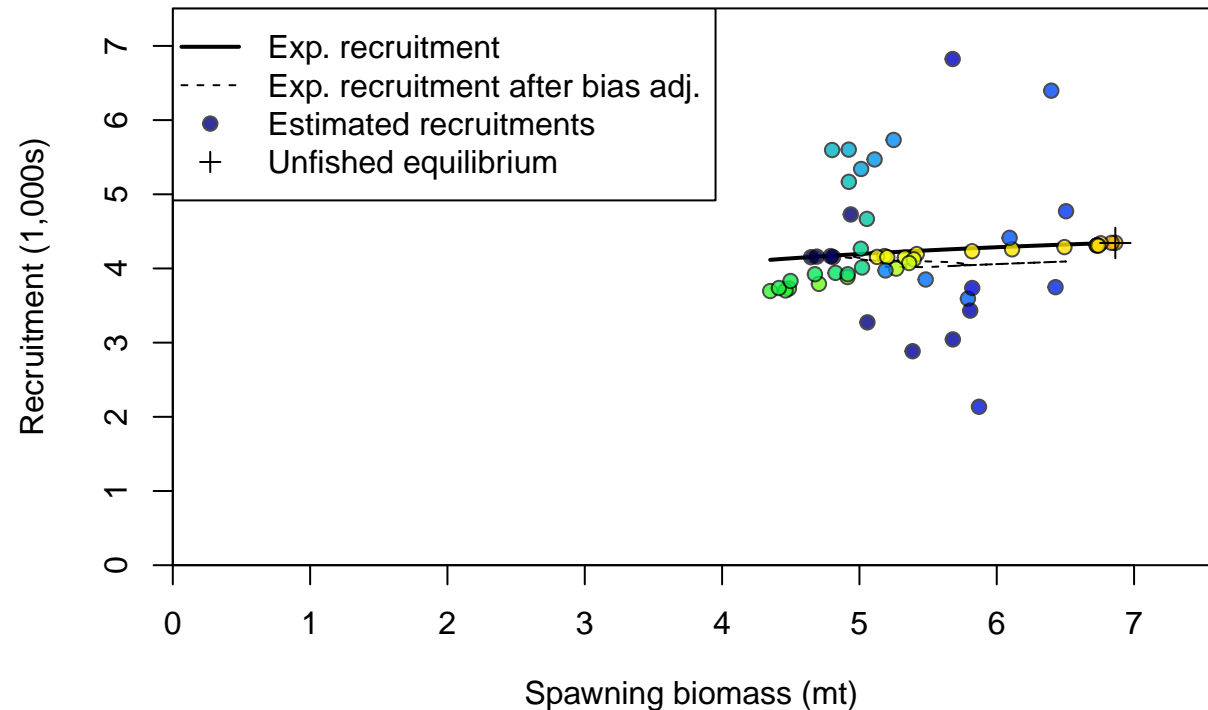
Summary Fishing Mortality

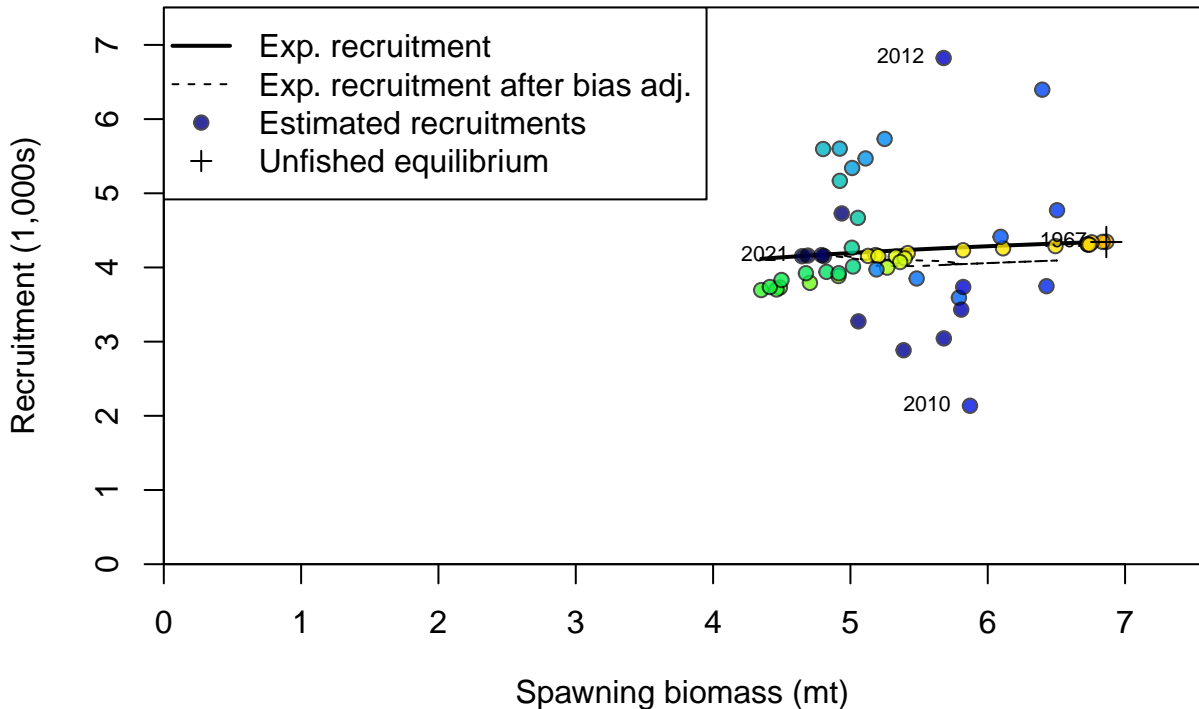


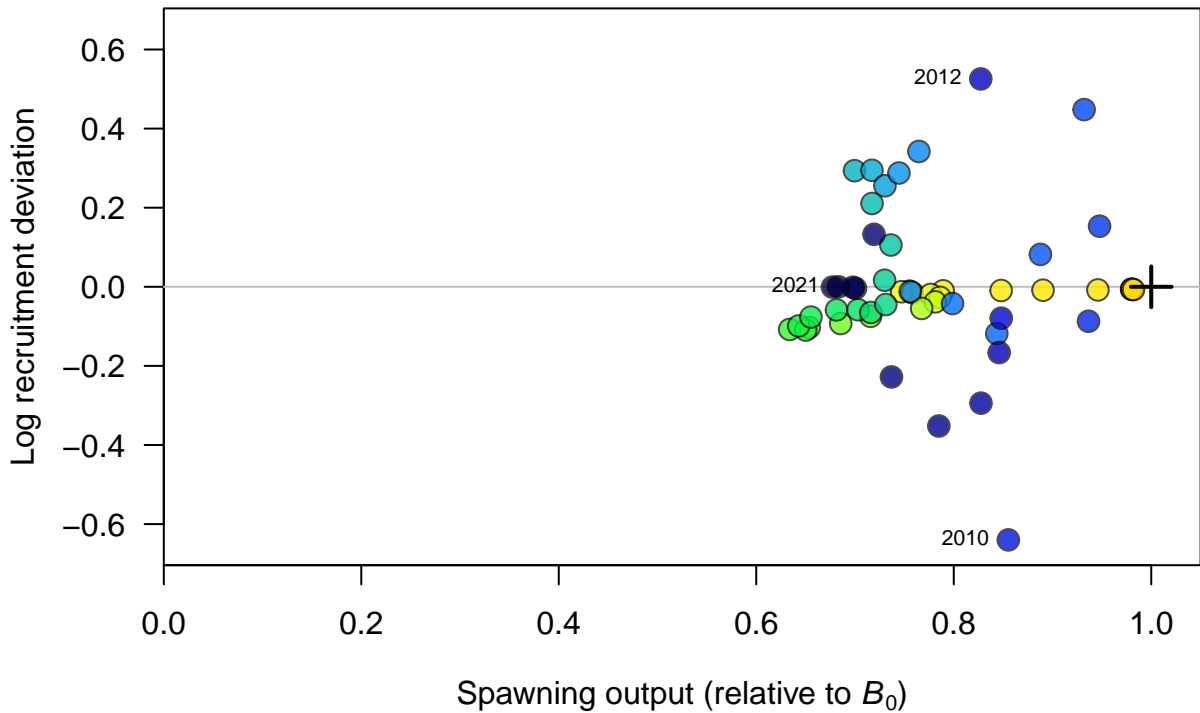


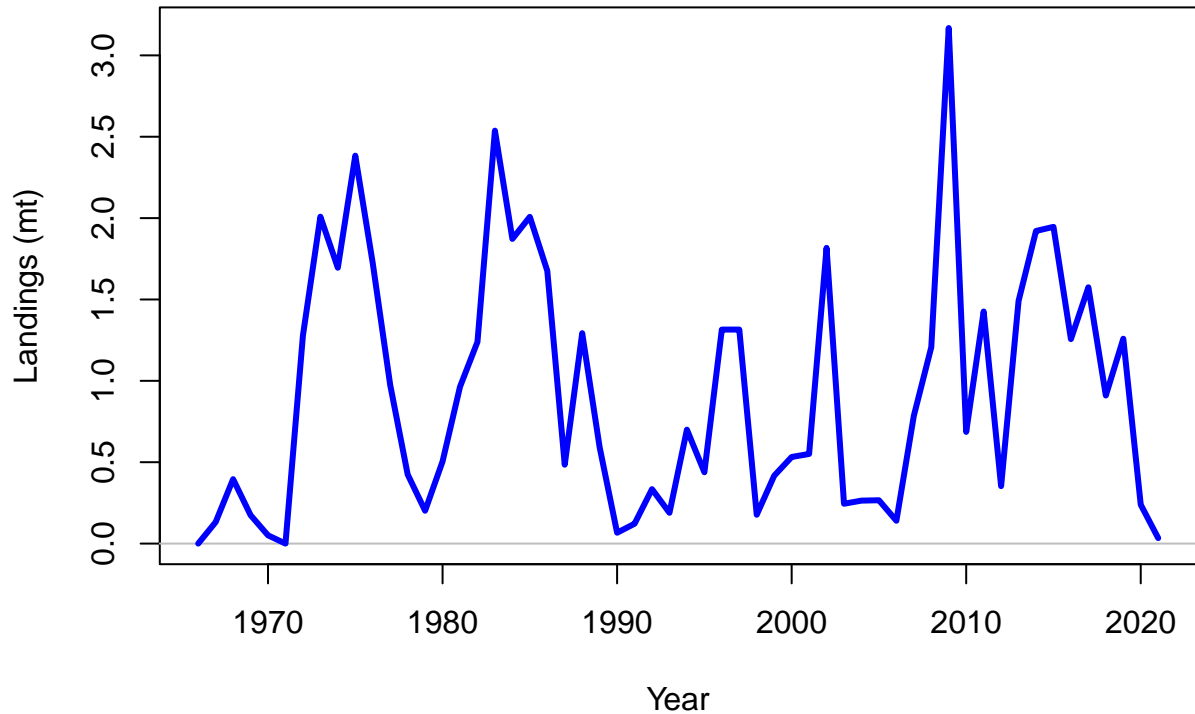
Log recruitment deviation

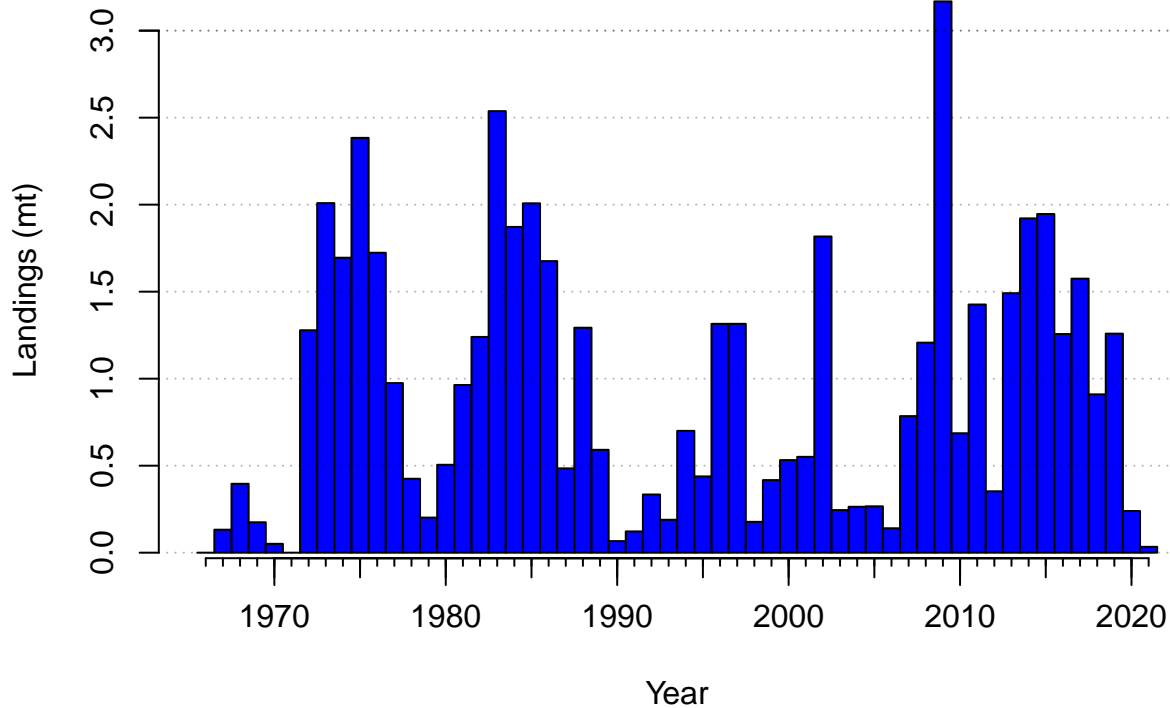


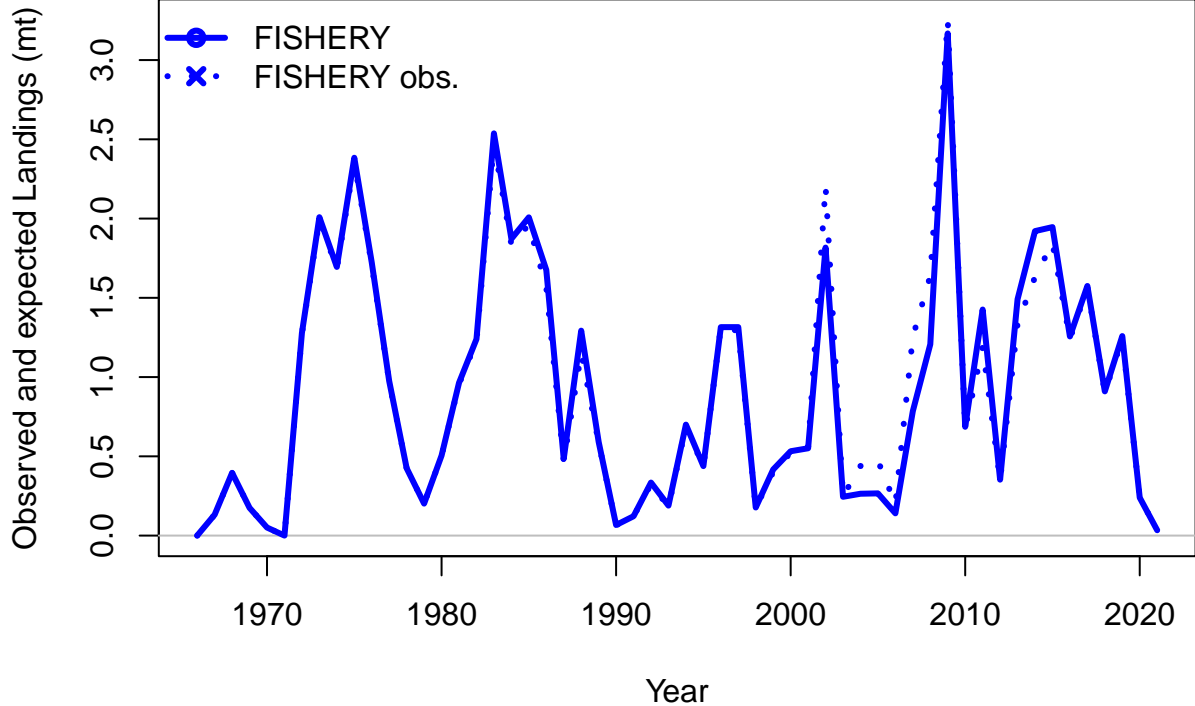


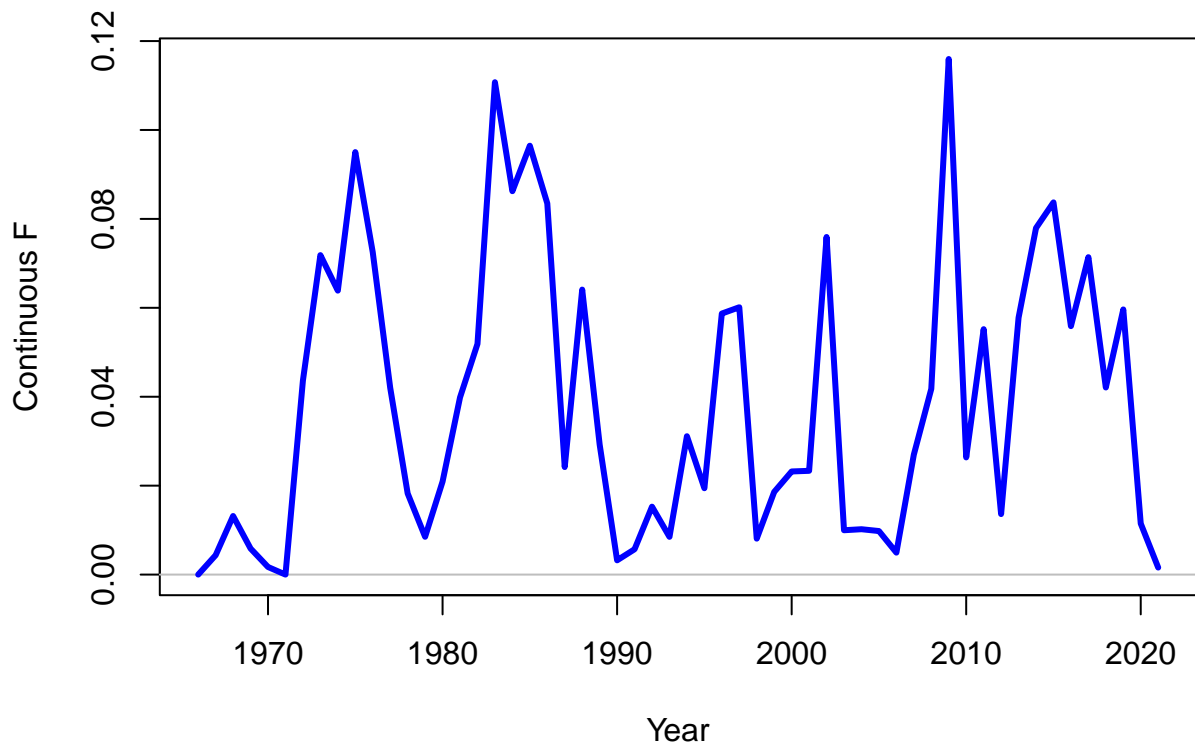




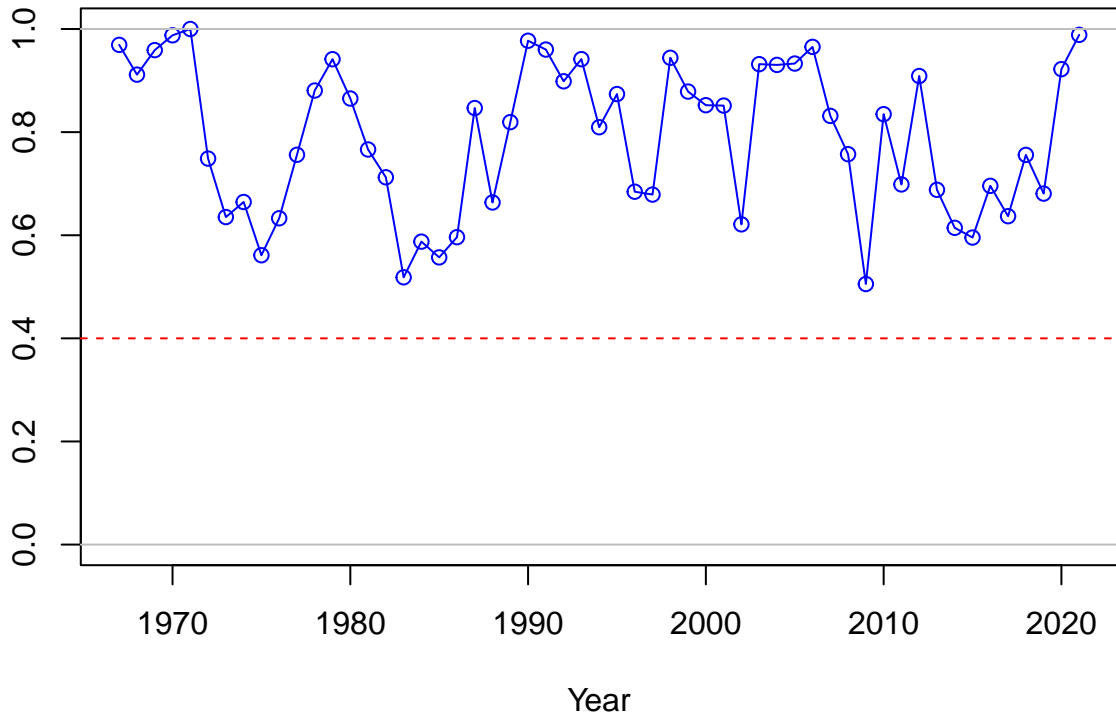




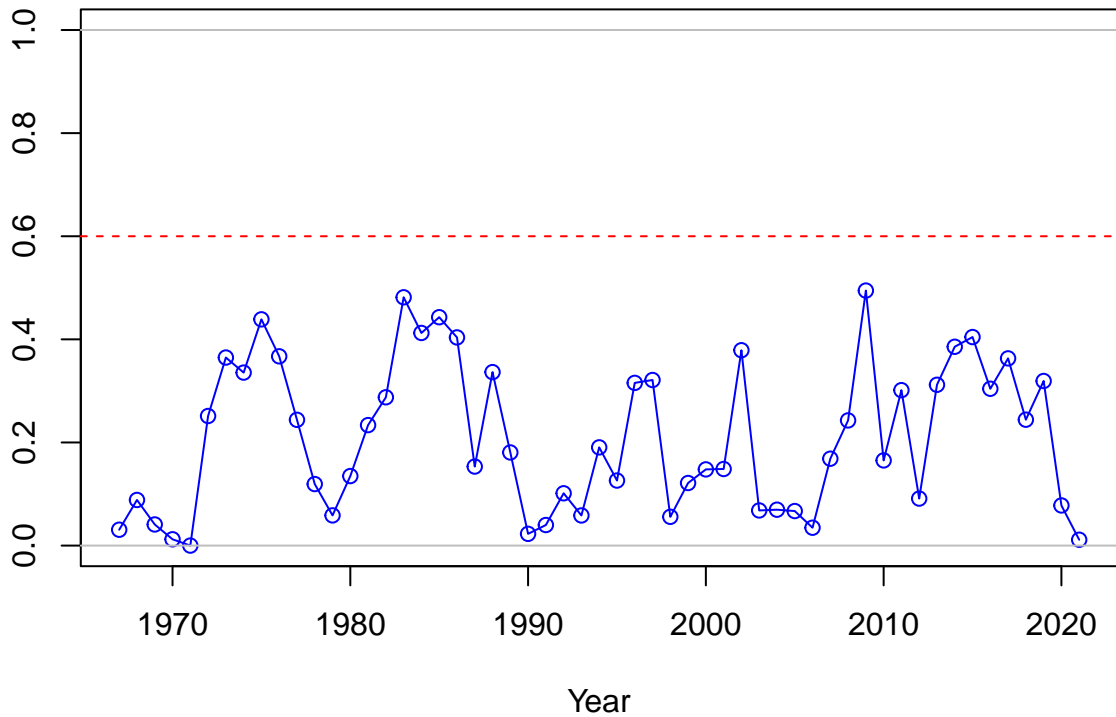




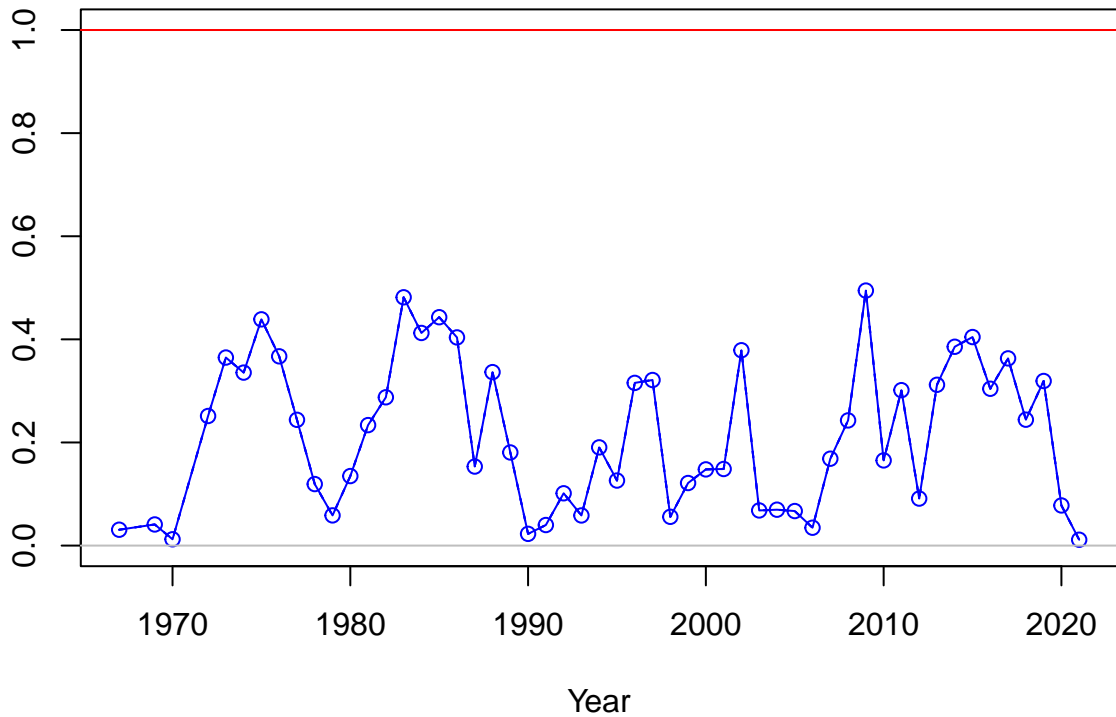
SPR



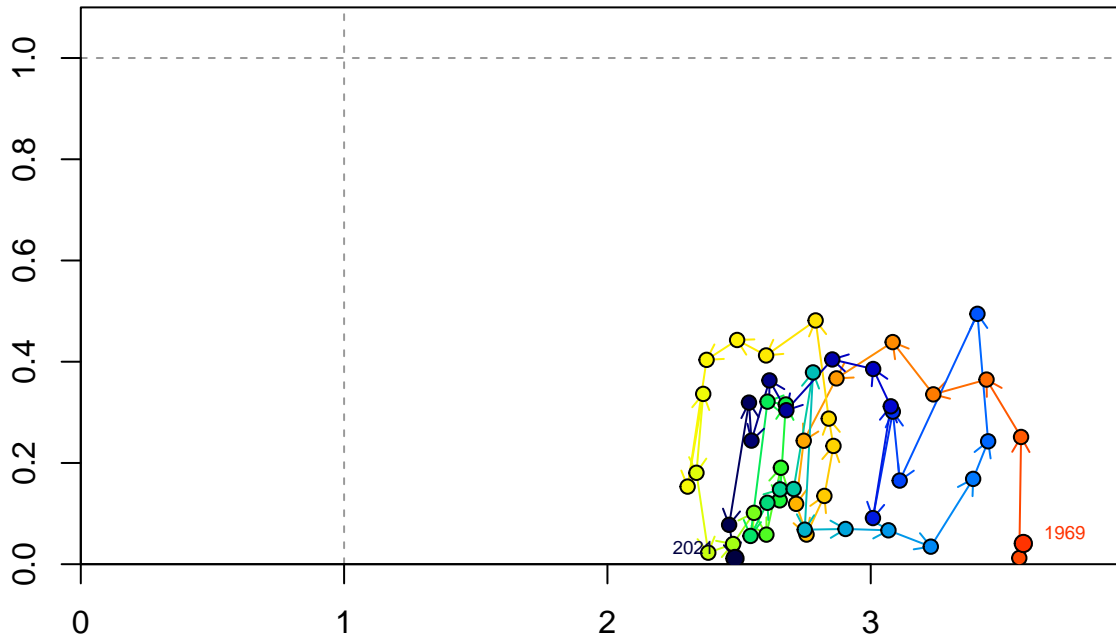
1-SPR



Fishing intensity: 1-SPR

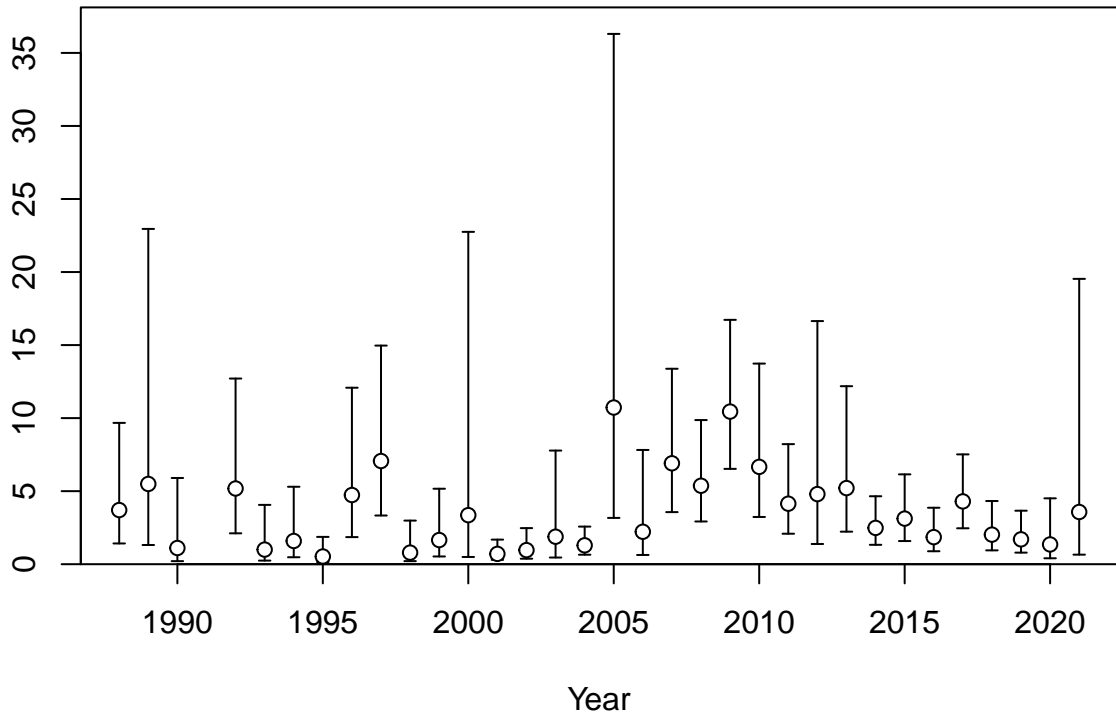


Fishing intensity: 1-SPR

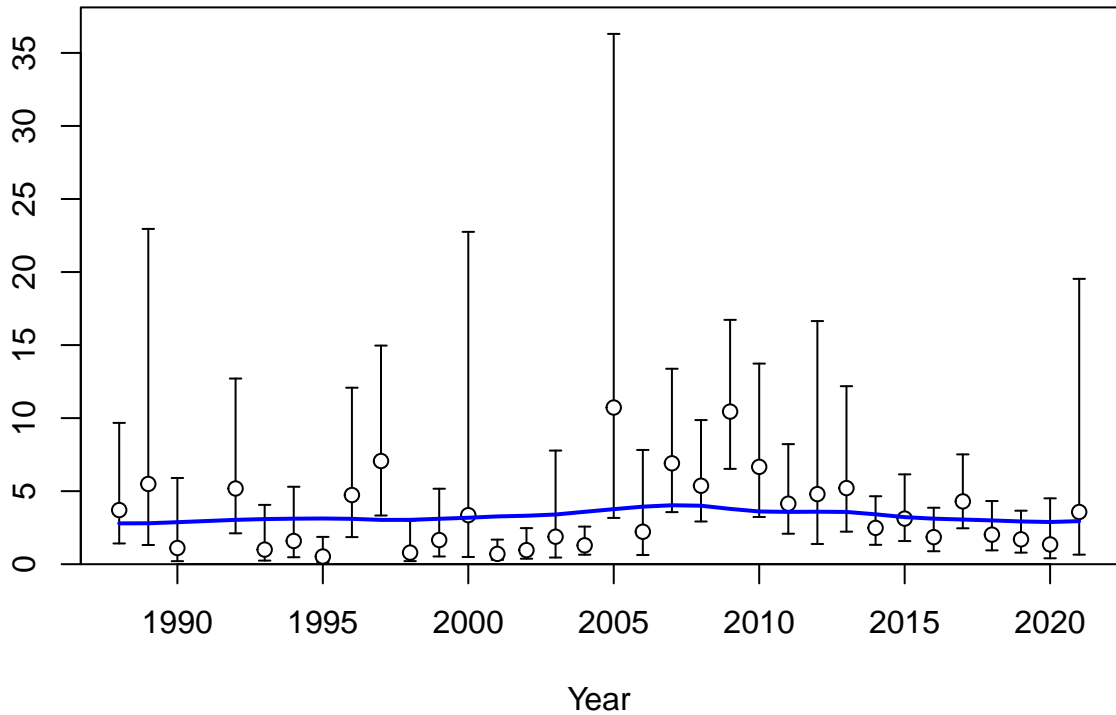


Relative spawning output: B/B_{MSY}

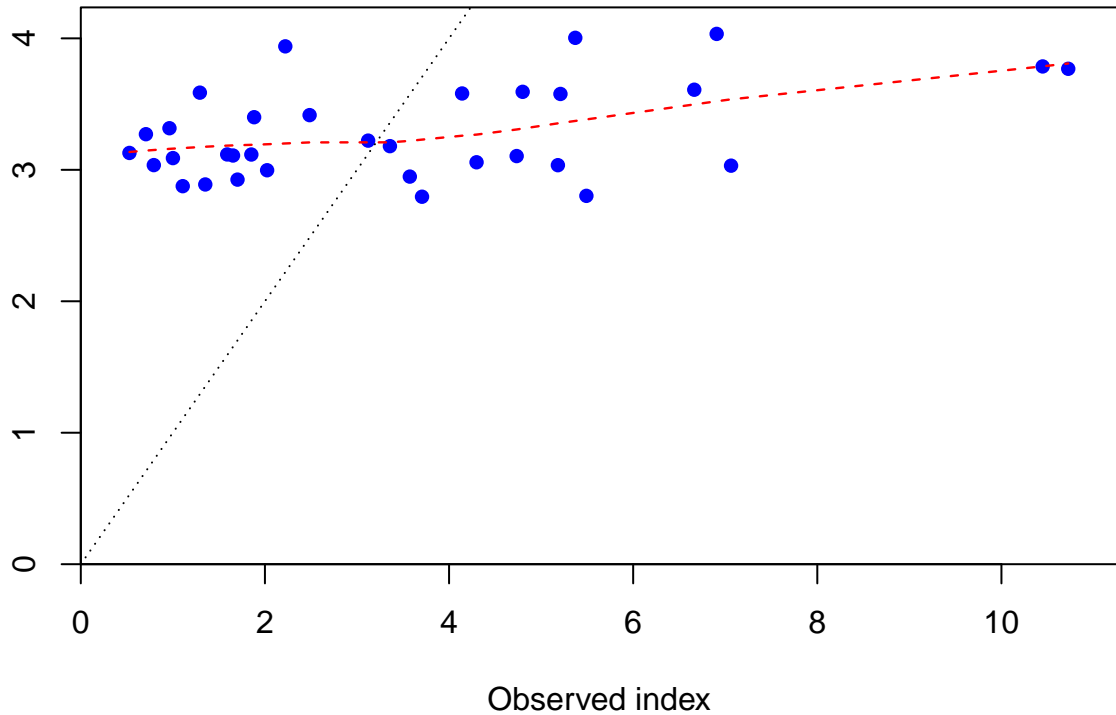
Index



Index



Expected index



Log index

3
2
1
0
-1
-2

1990

1995

2000

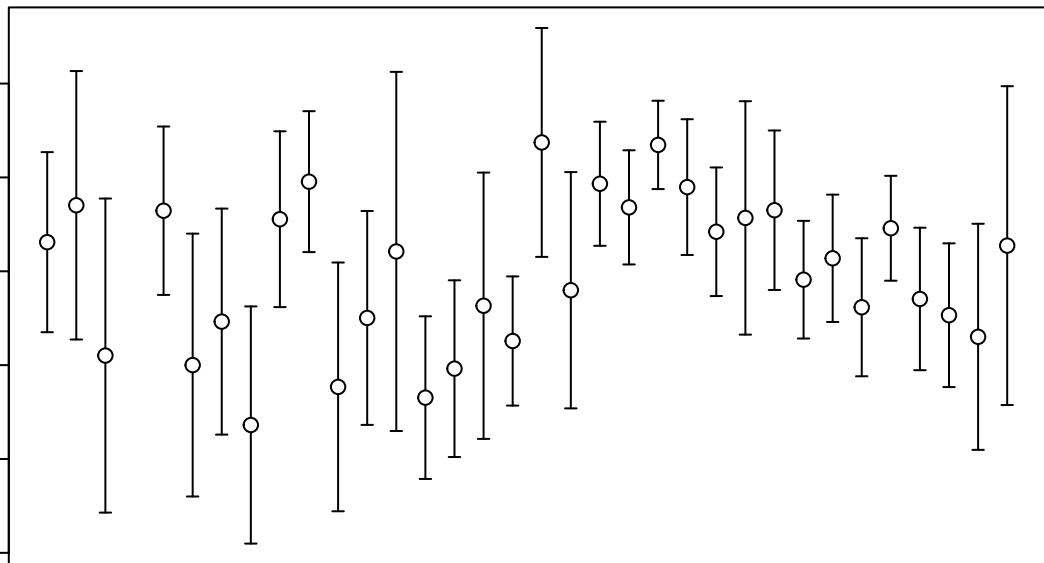
2005

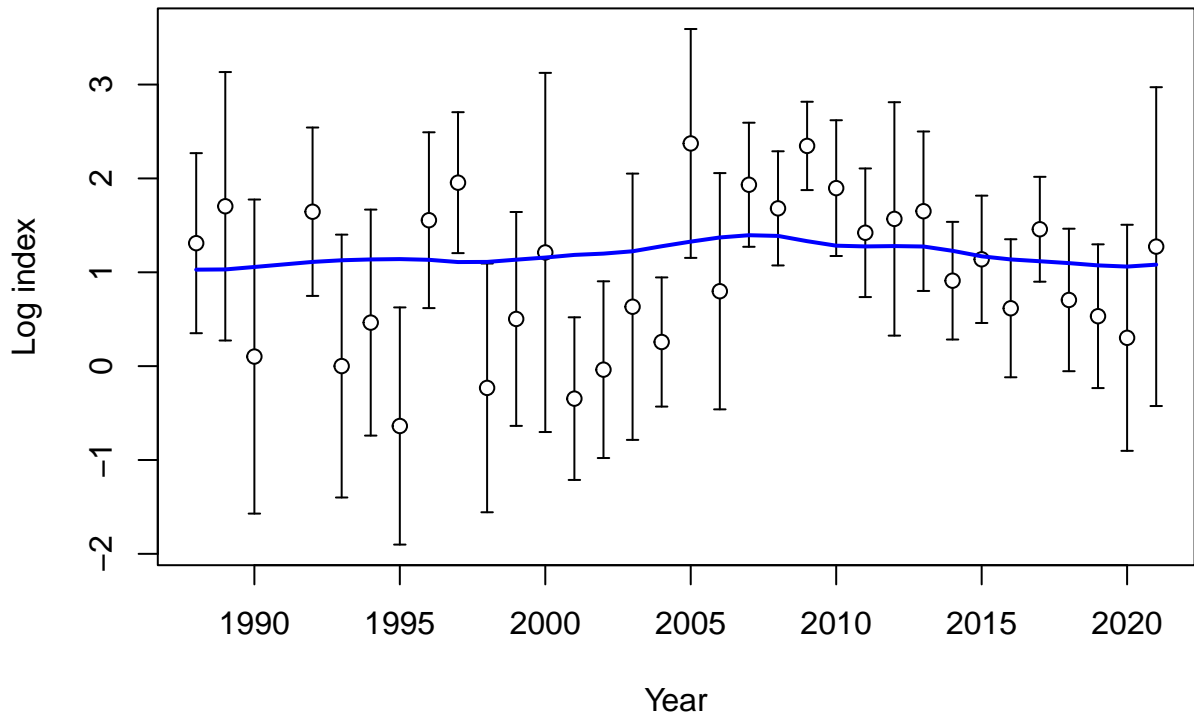
2010

2015

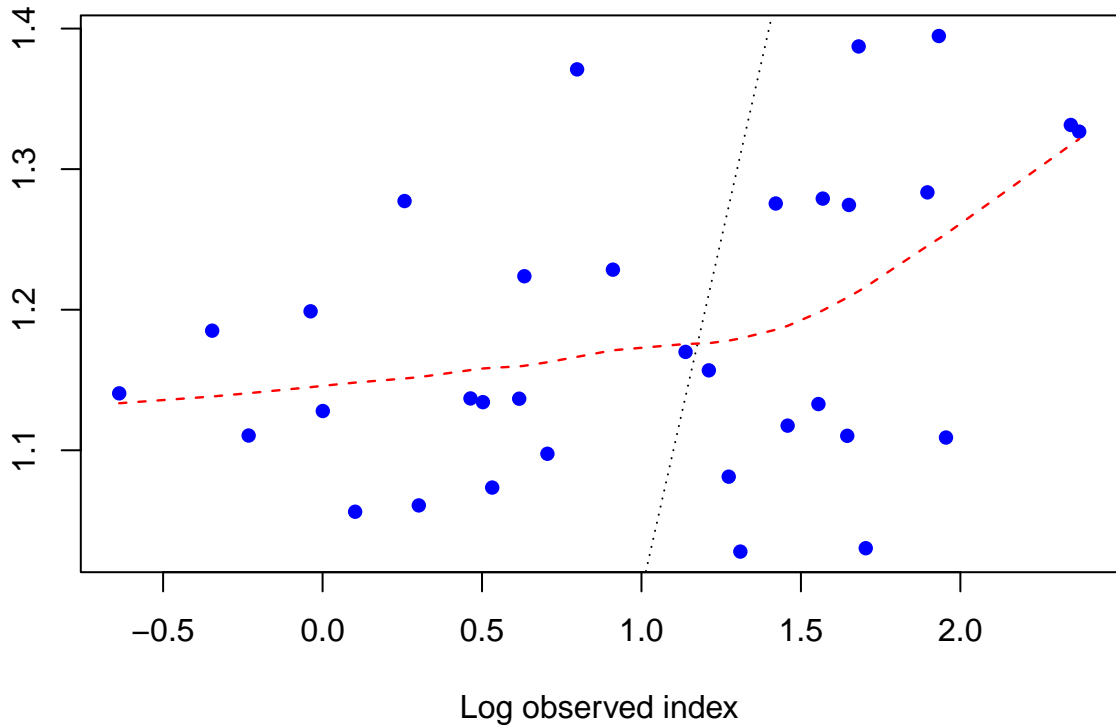
2020

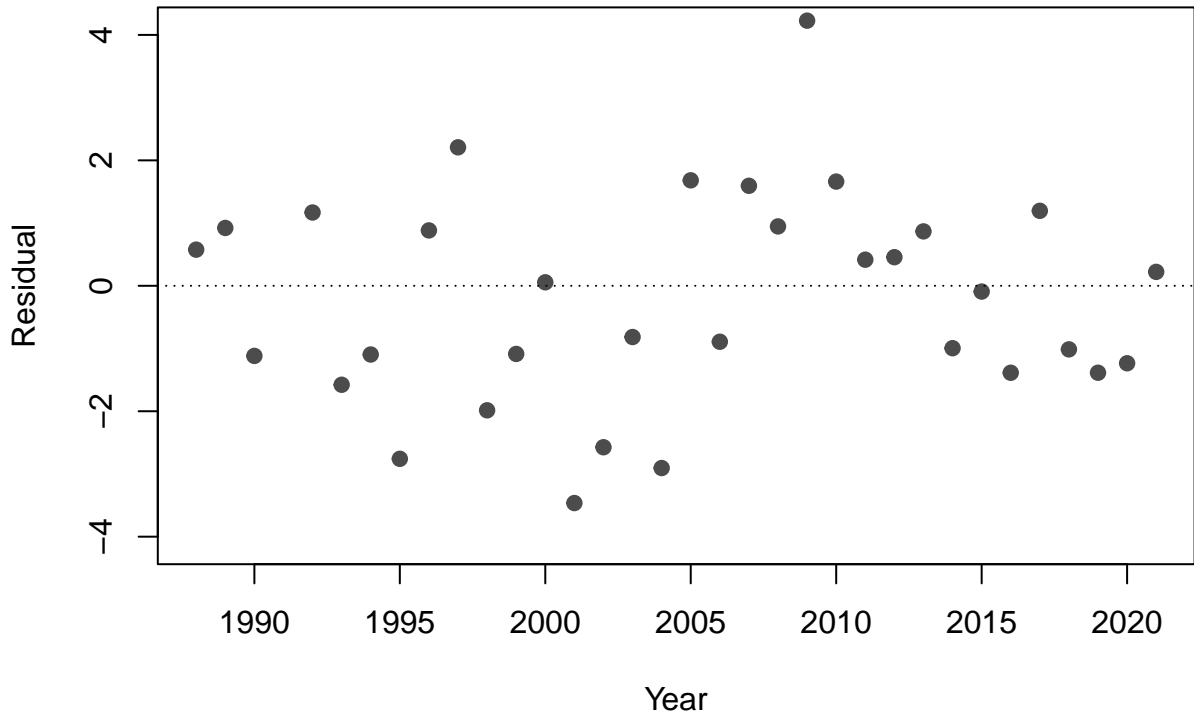
Year

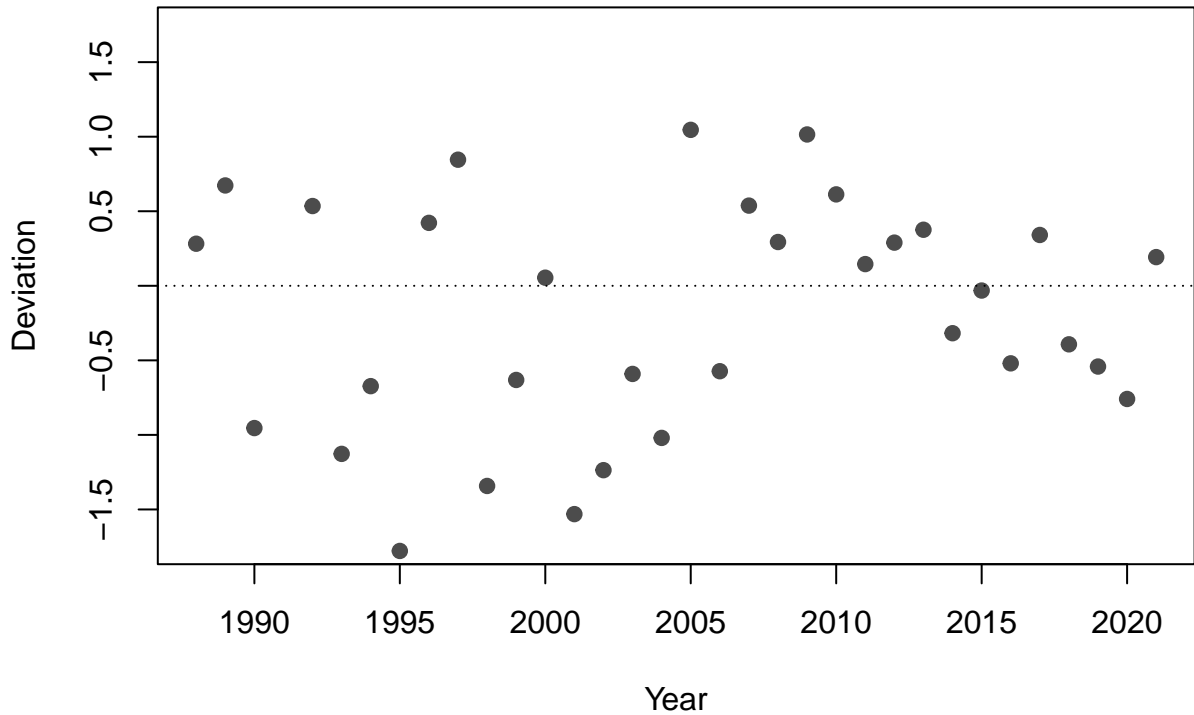


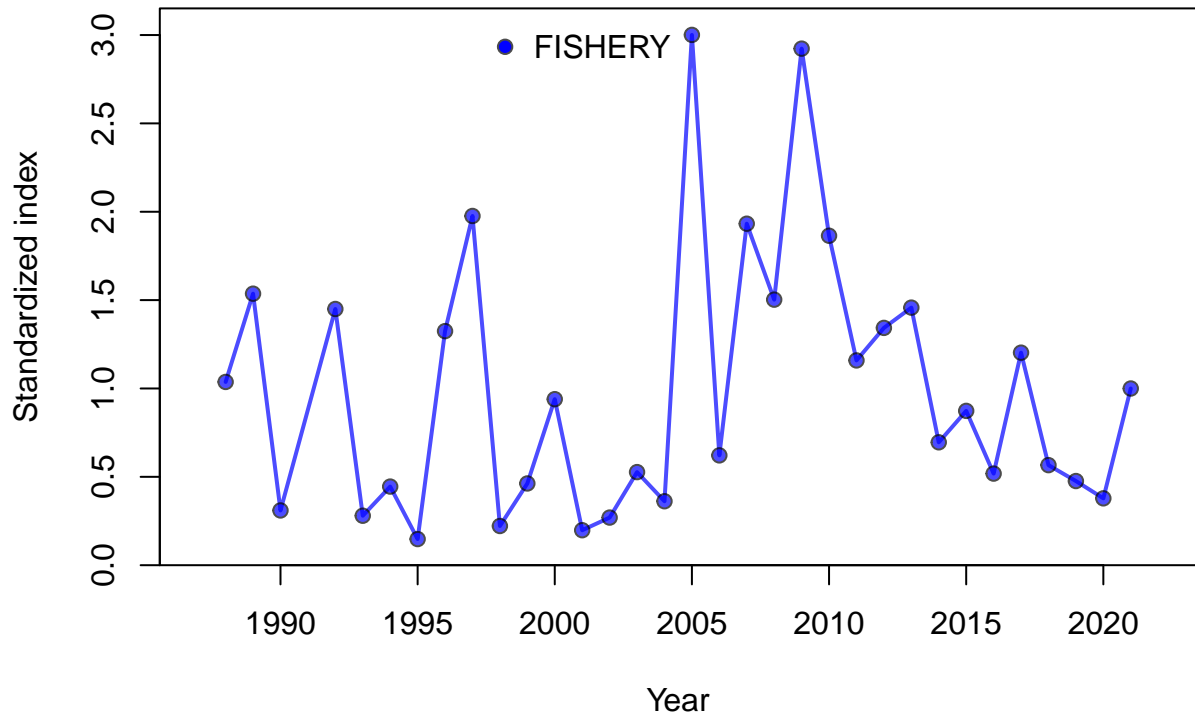


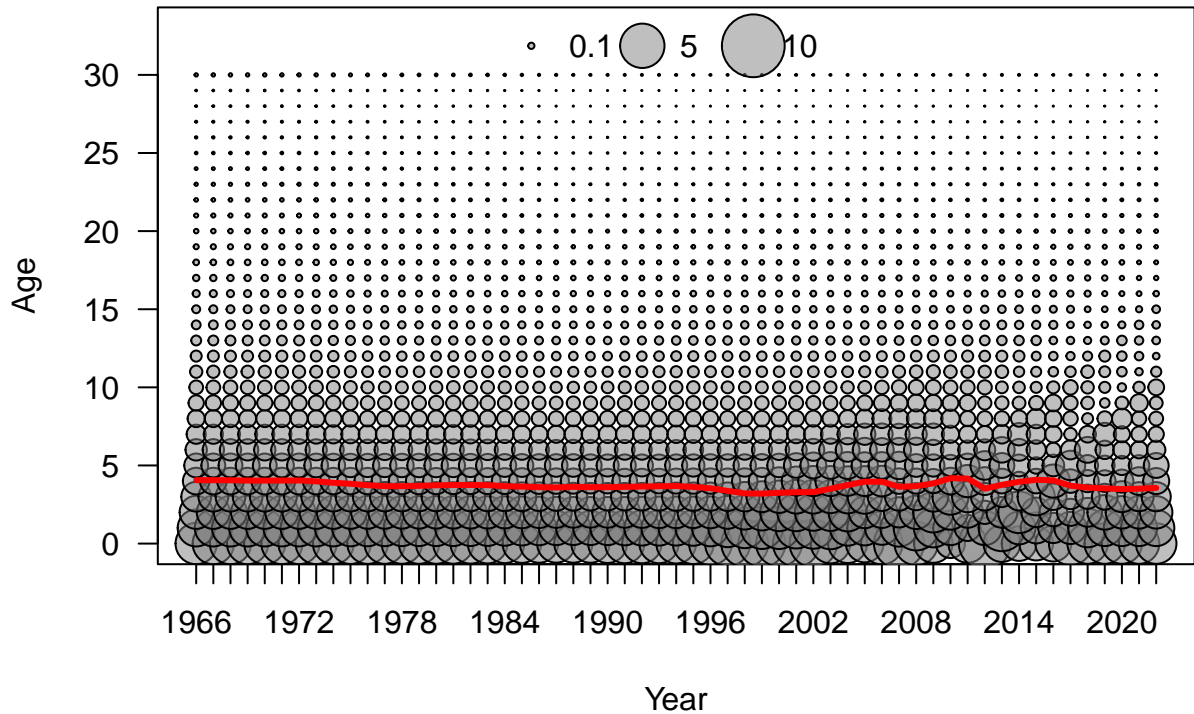
Log expected index

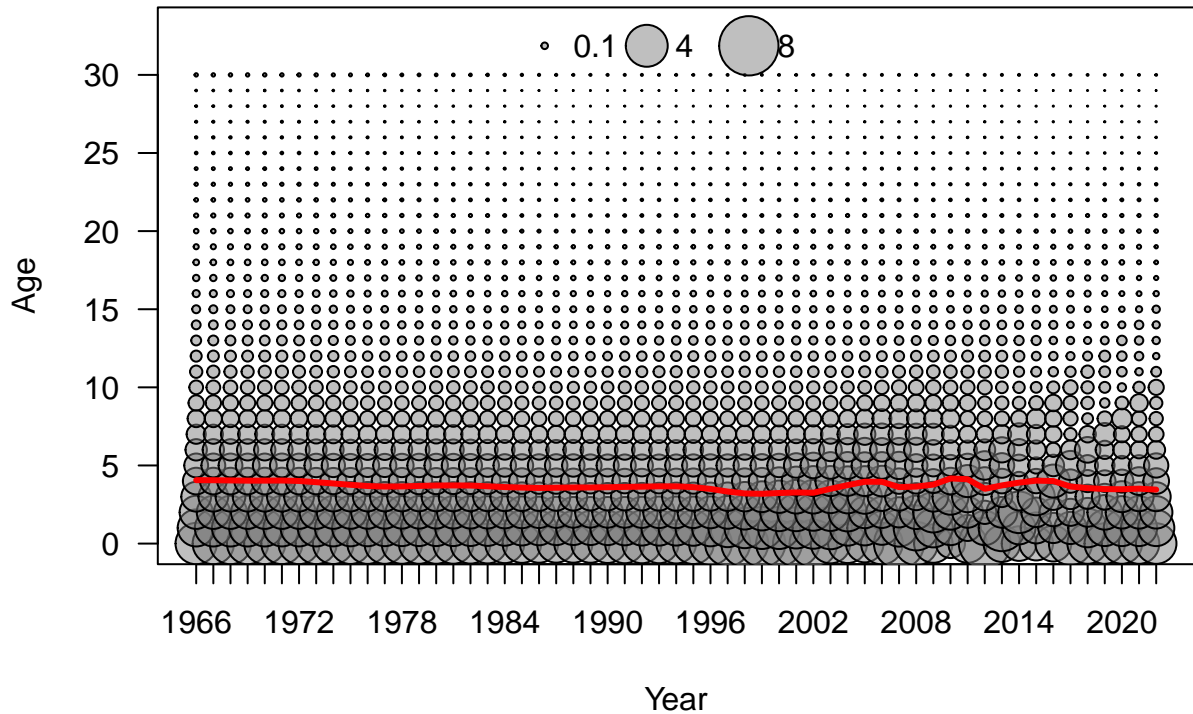




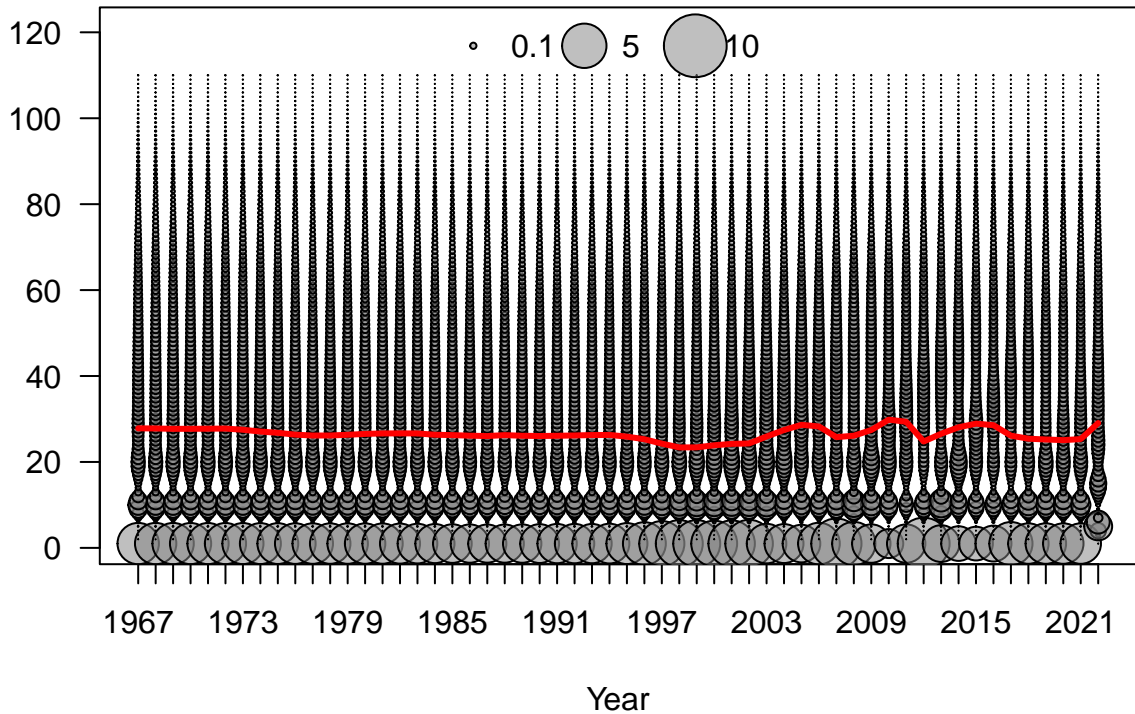


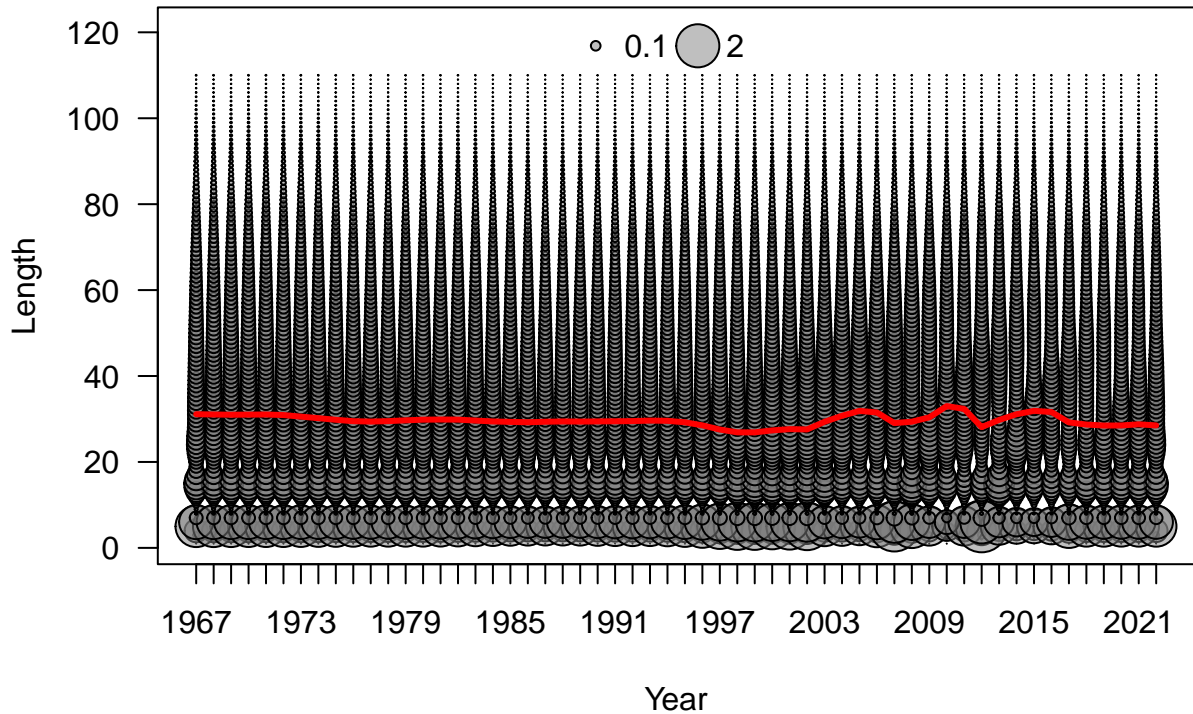


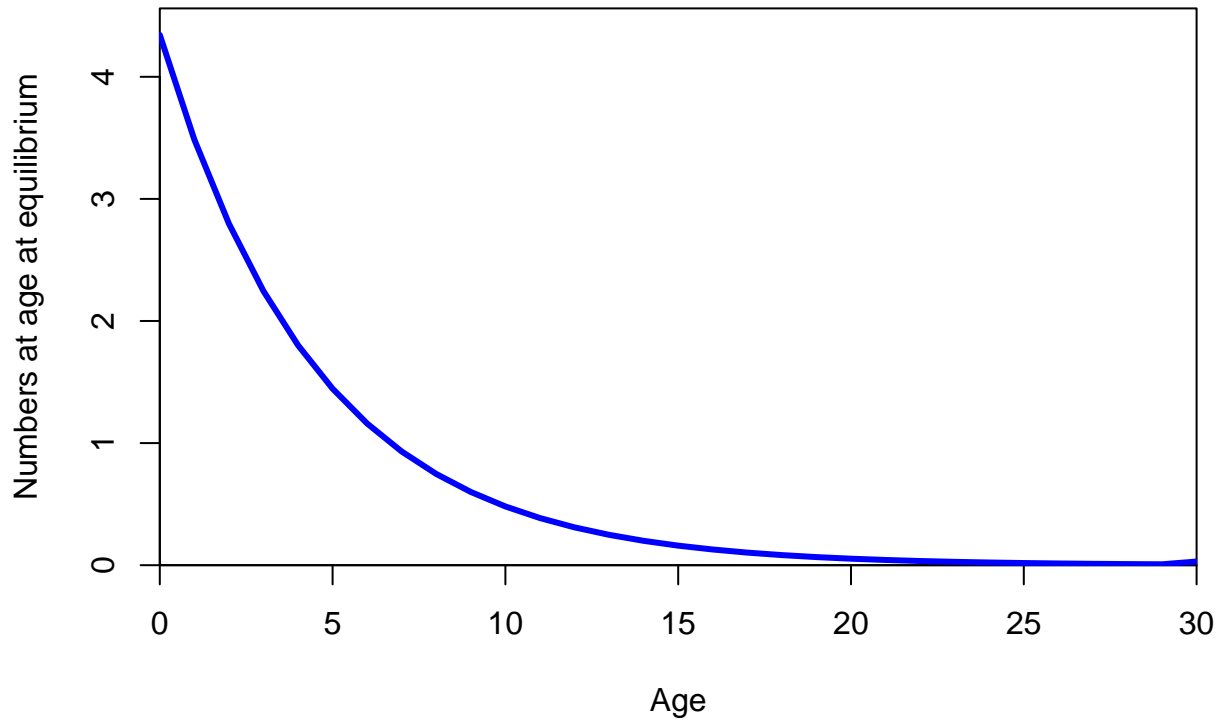




Length

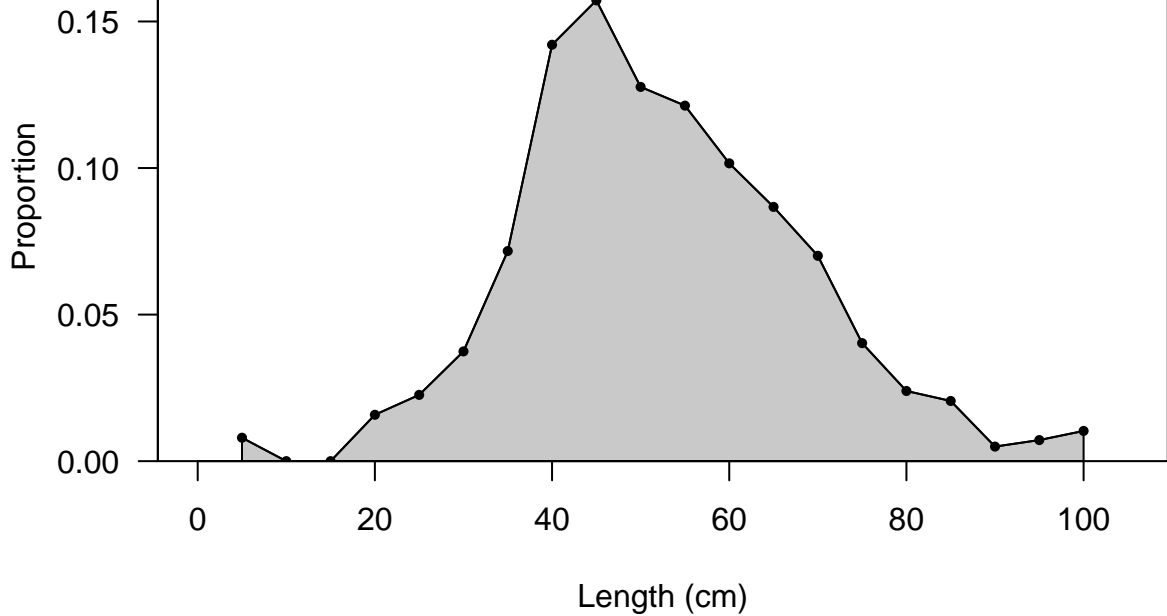


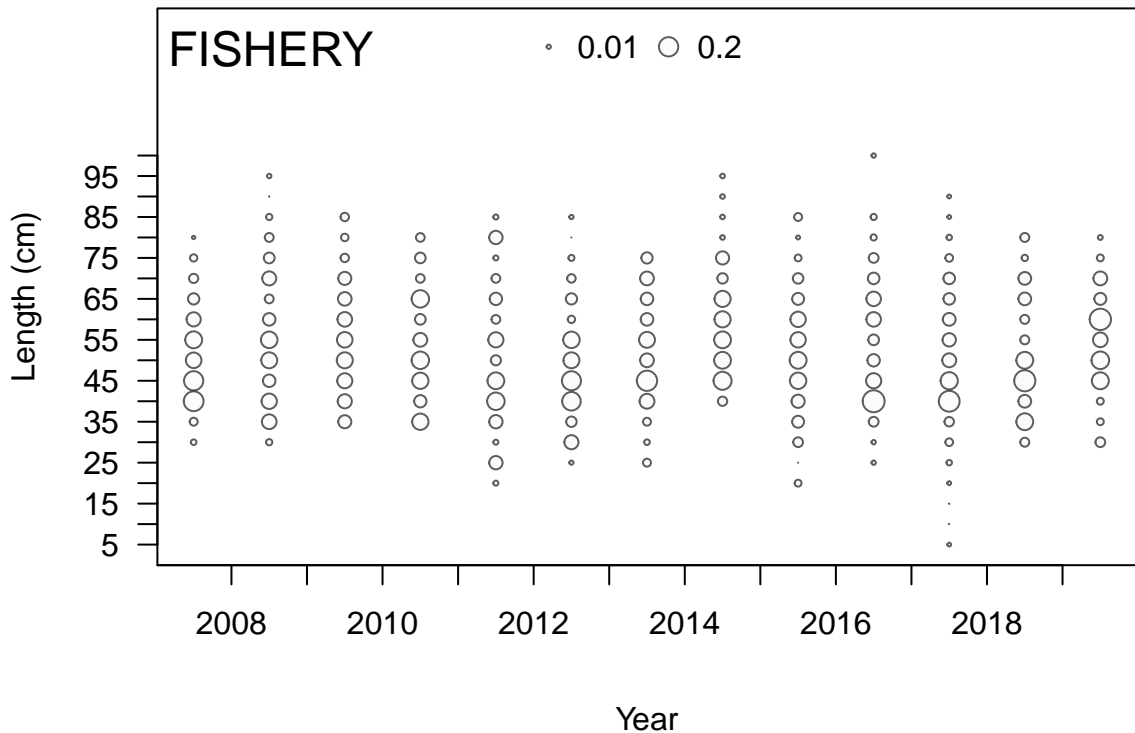




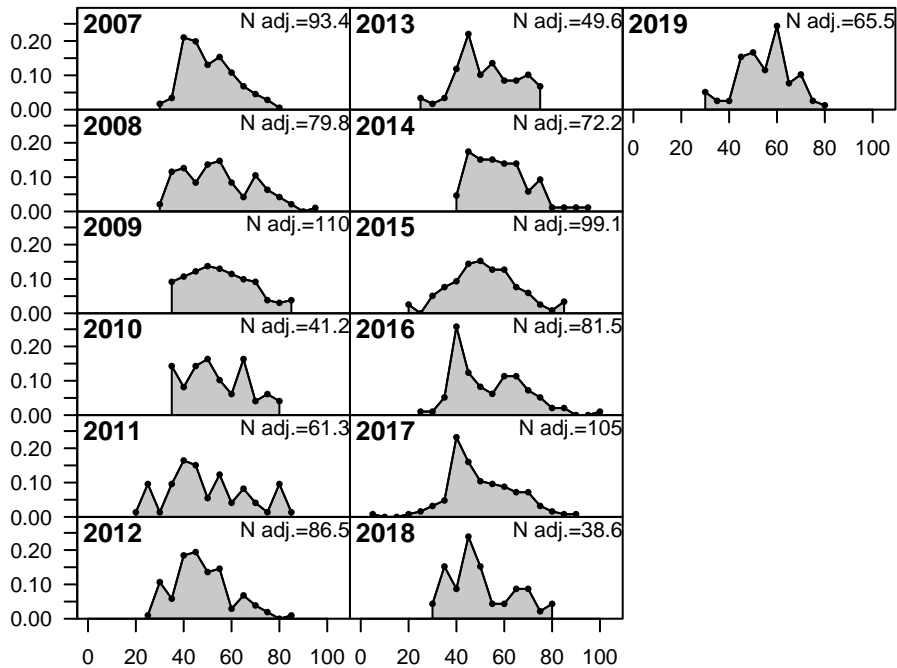
FISHERY

Sum of N adj.=983.8

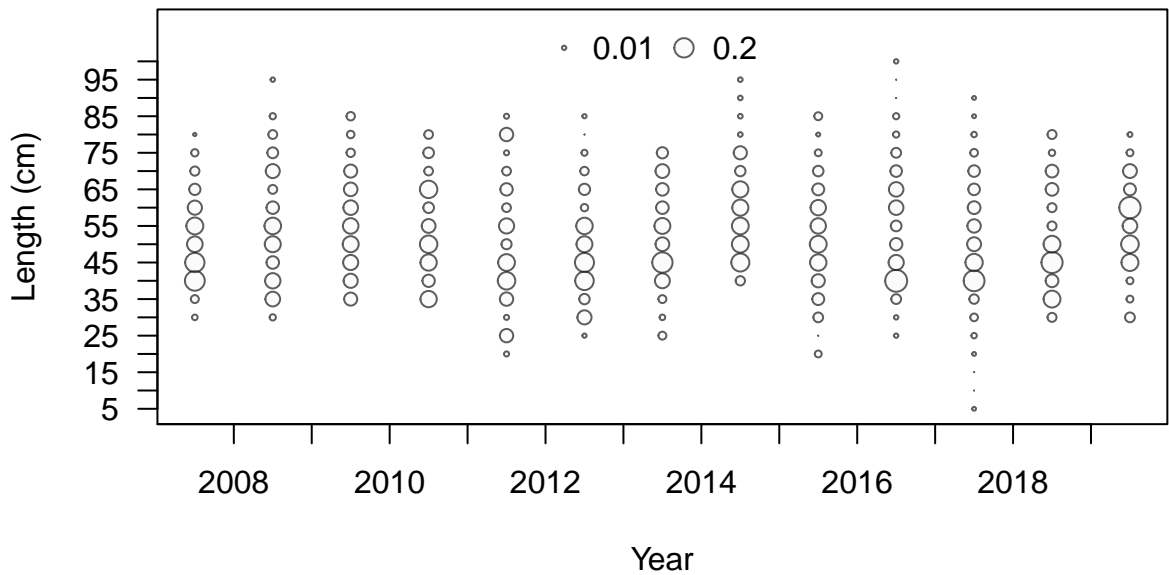




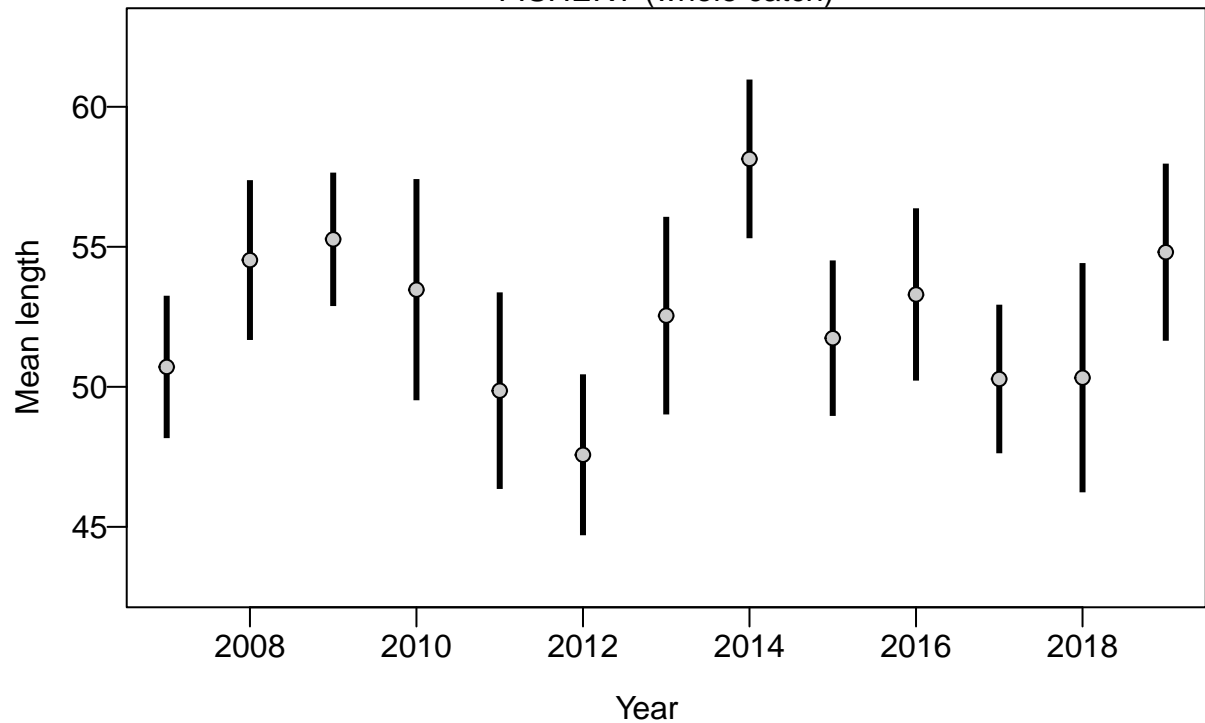
Proportion



Length (cm)

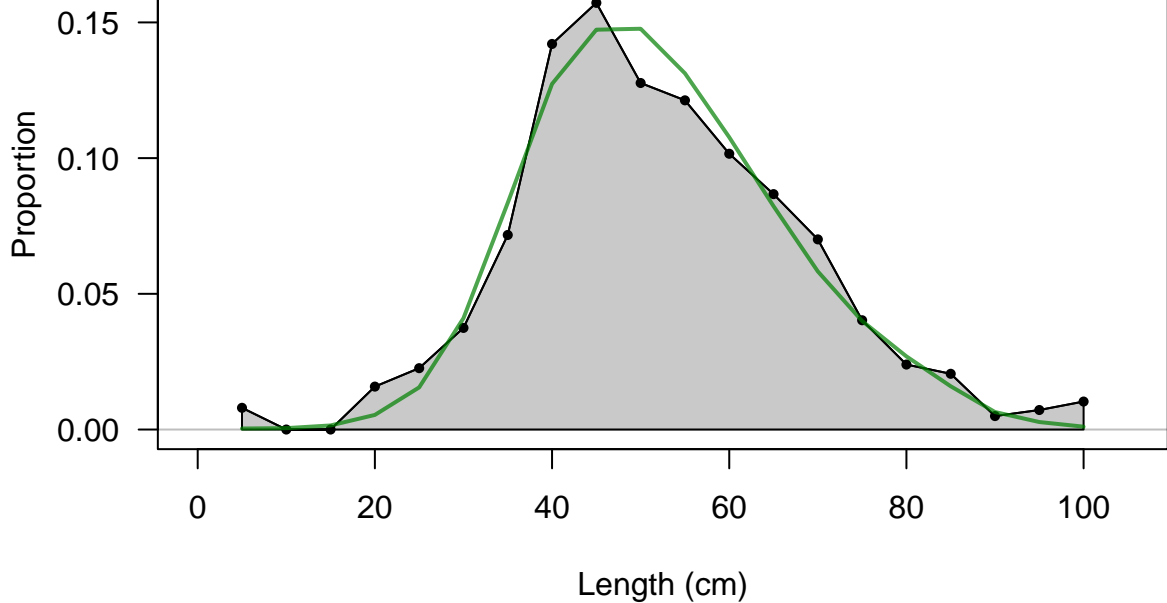


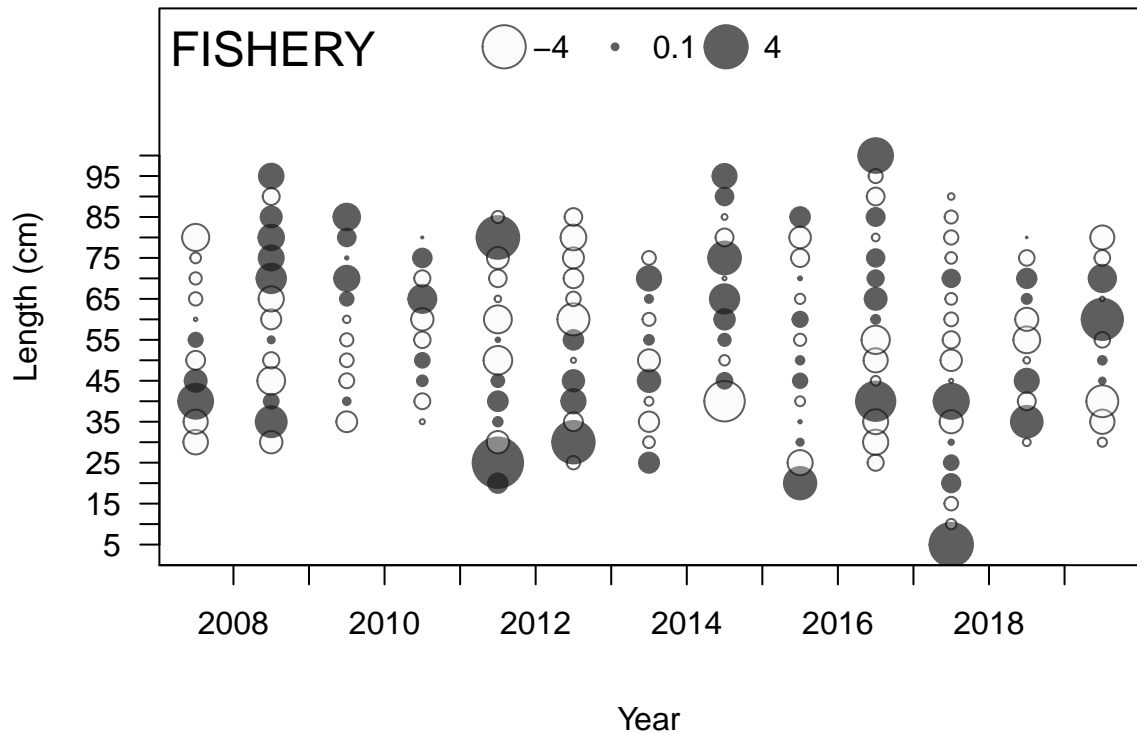
FISHERY (whole catch)



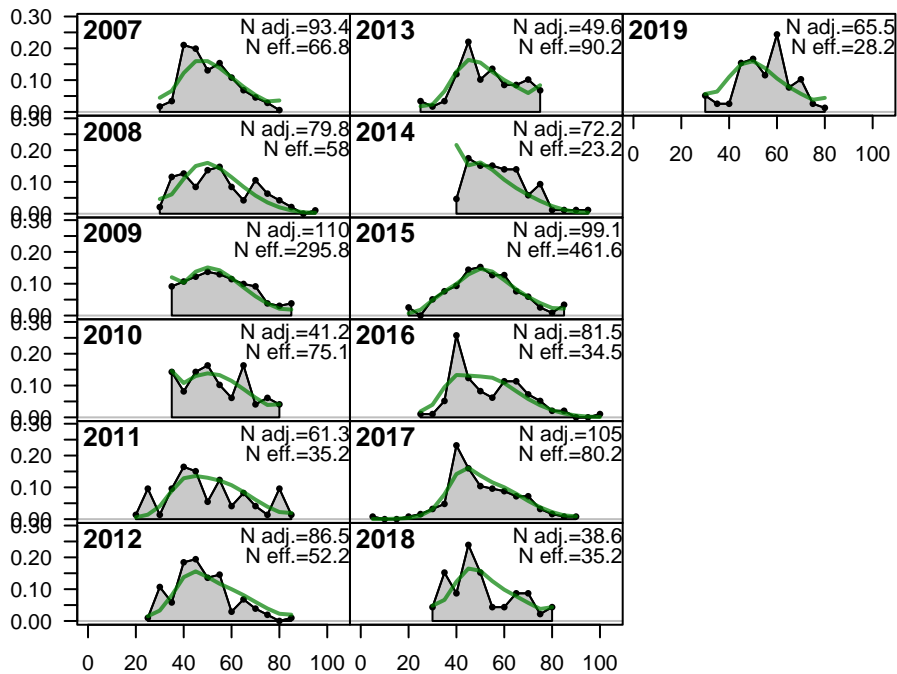
FISHERY

Sum of N adj.=983.8
Sum of N eff.=1336.2

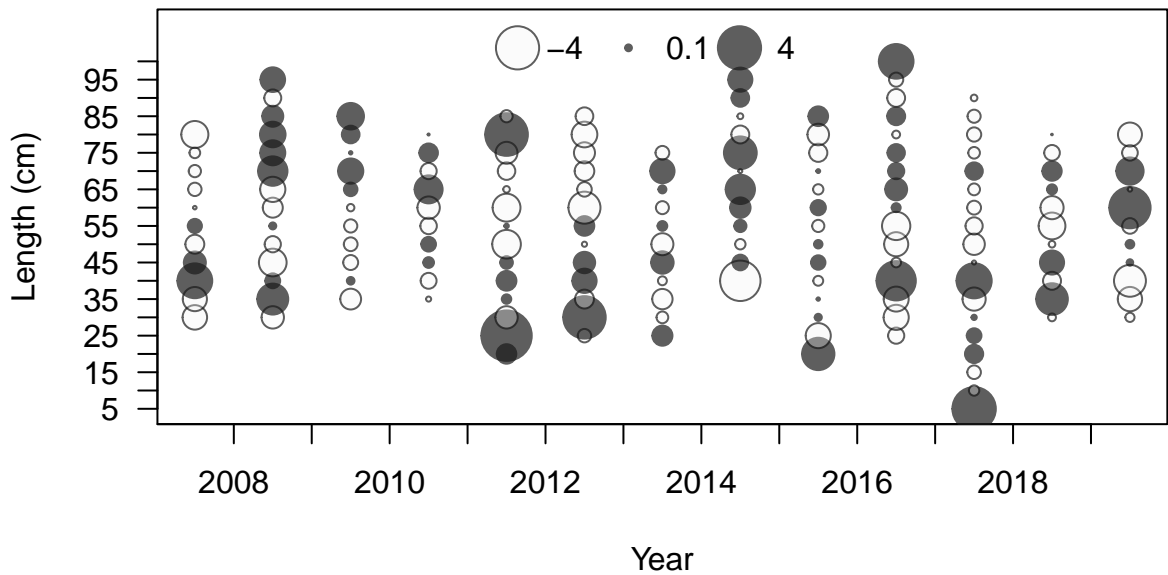




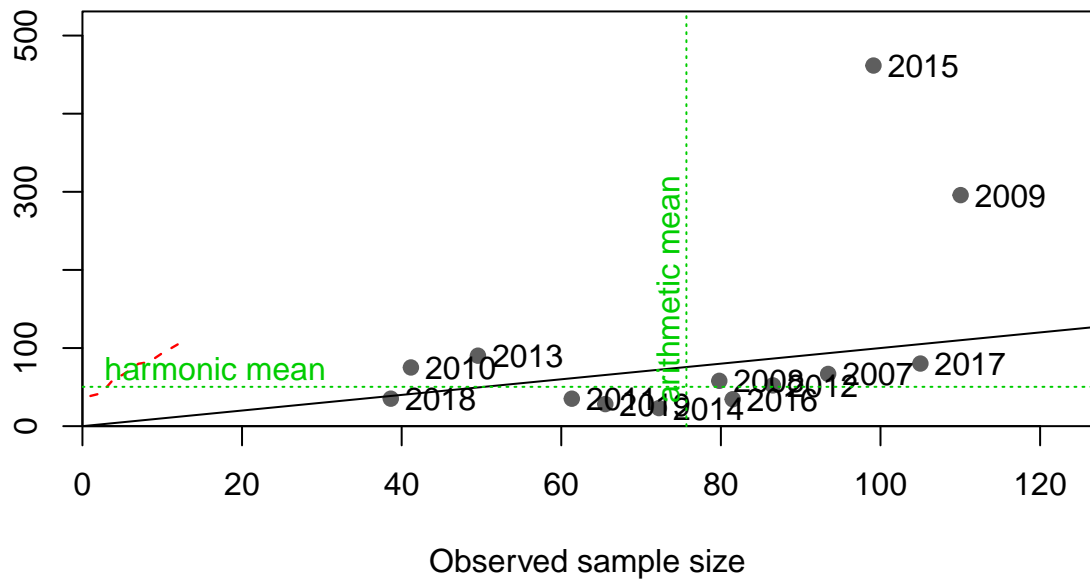
Proportion



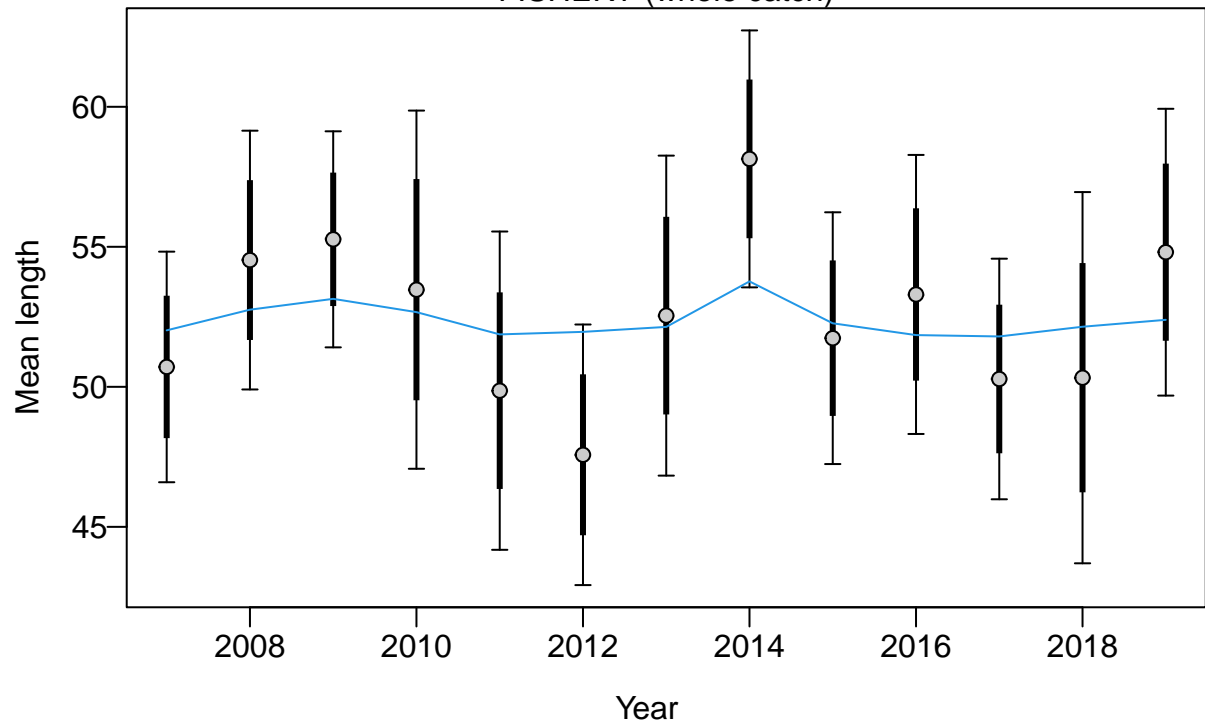
Length (cm)

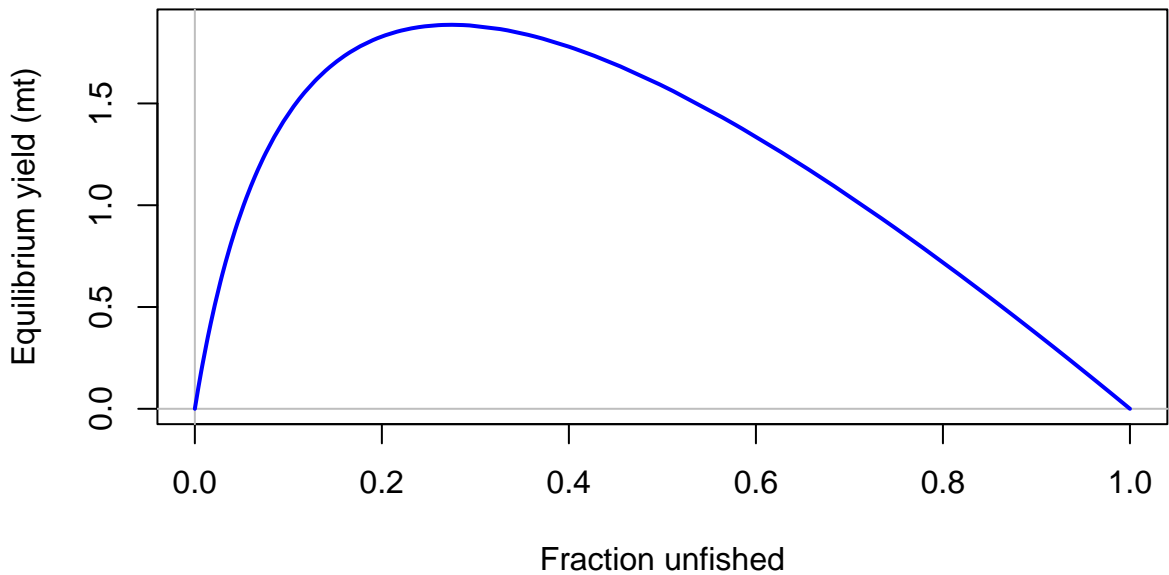


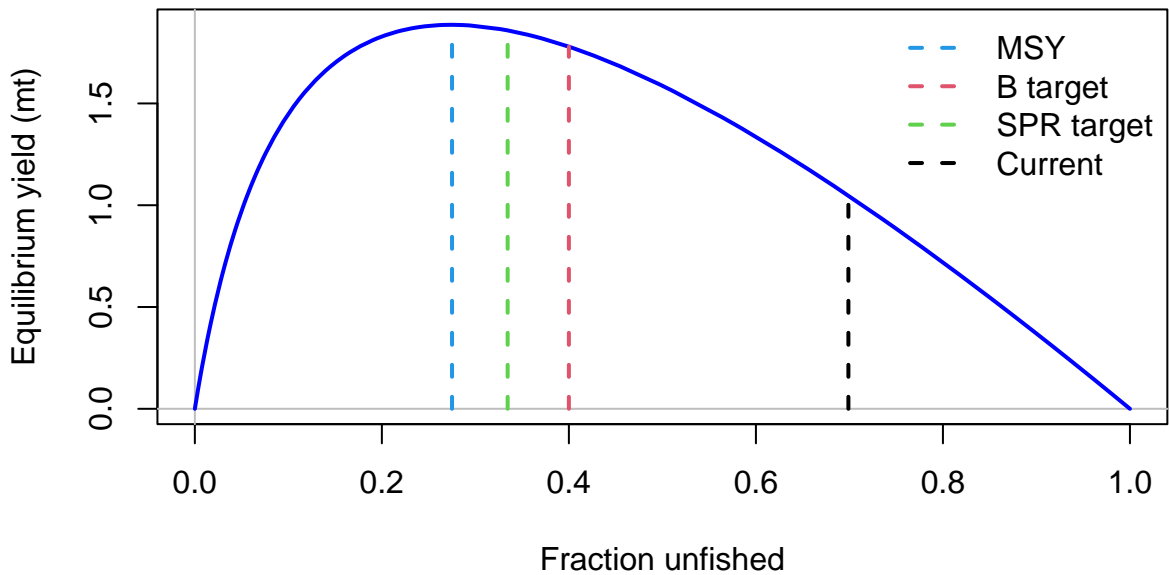
Effective sample size

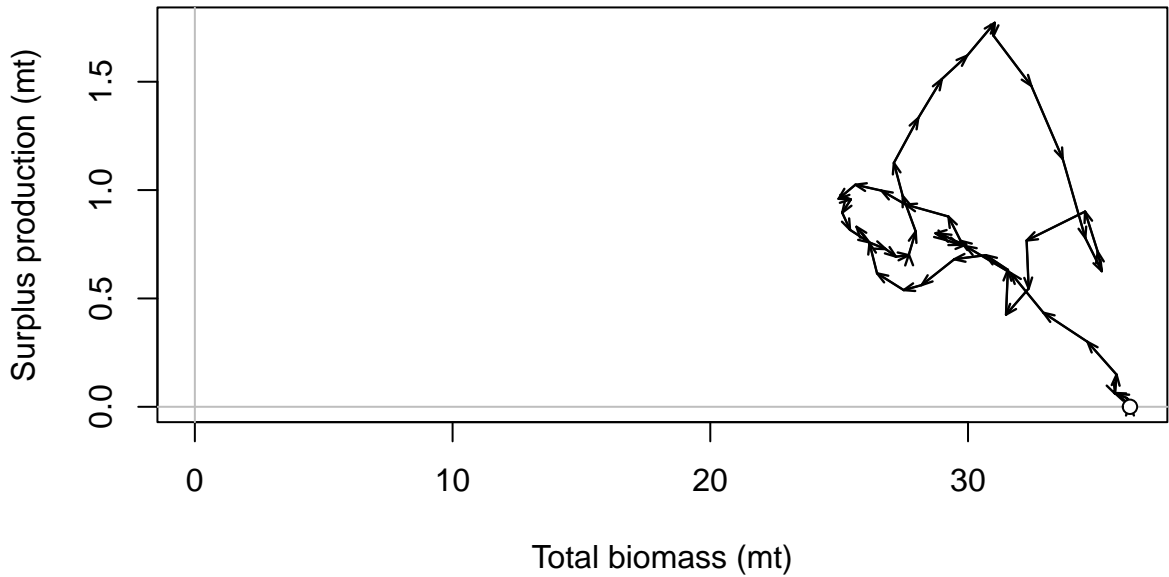


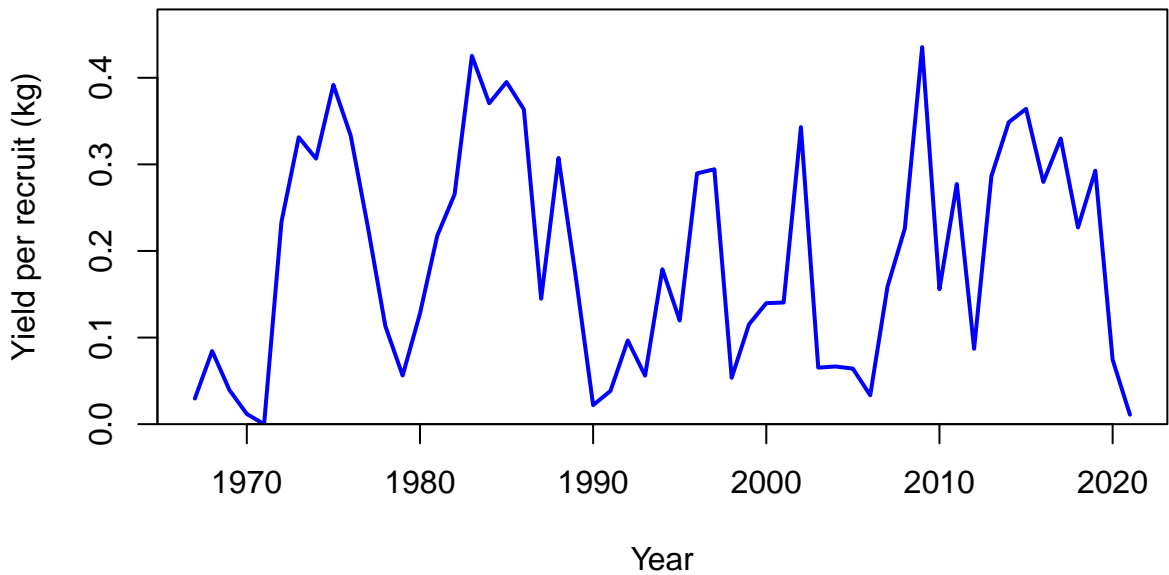
FISHERY (whole catch)

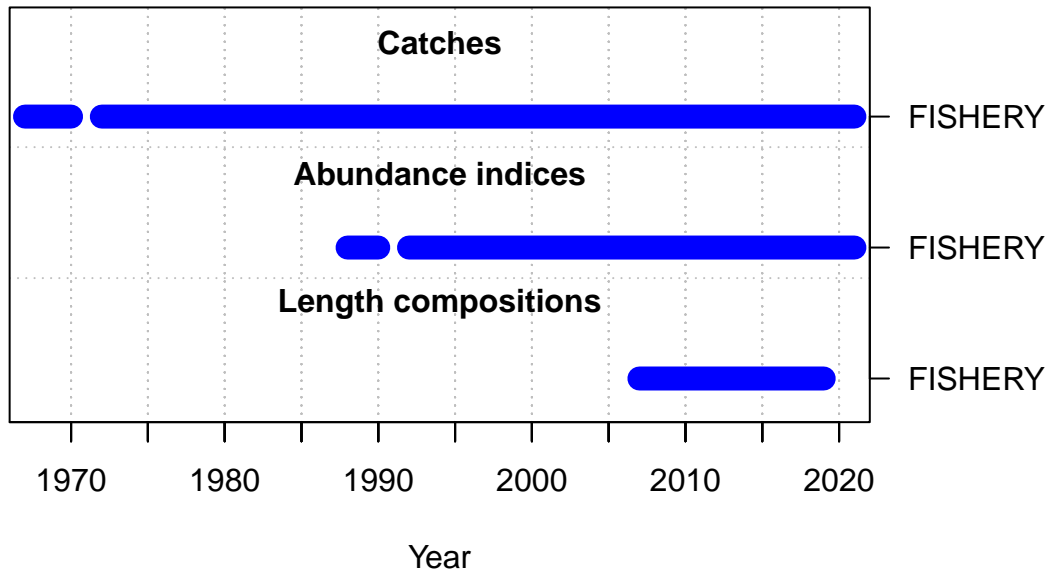


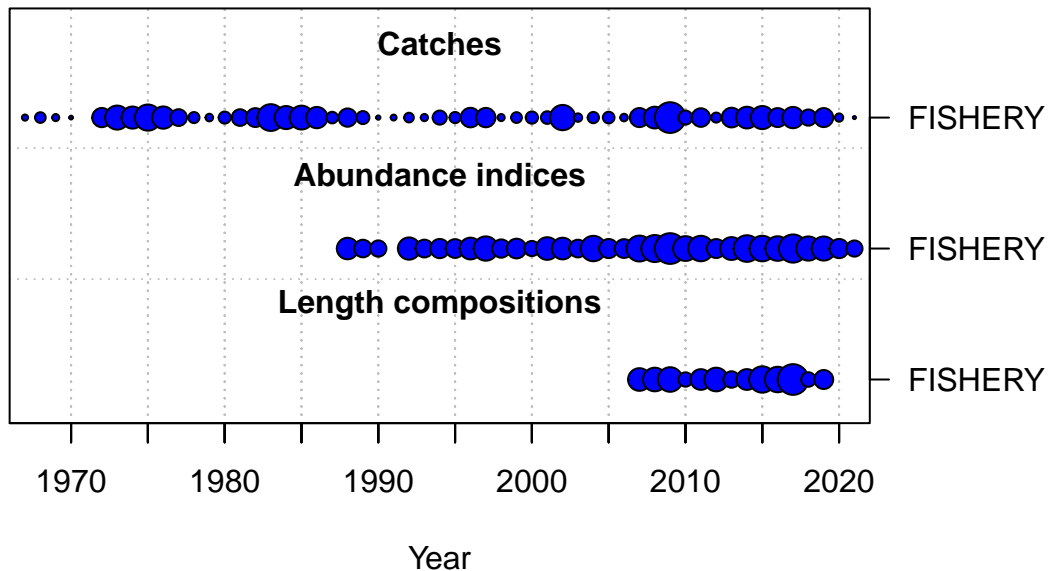








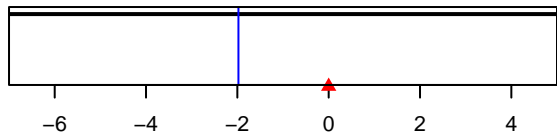




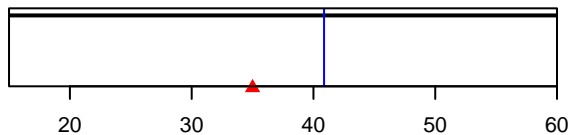
SR_LN(R0)



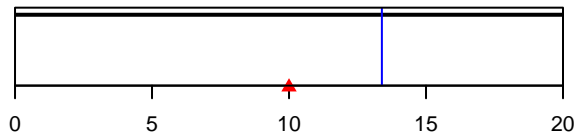
LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Parameter value