

Plots created using the 'r4ss' package in R

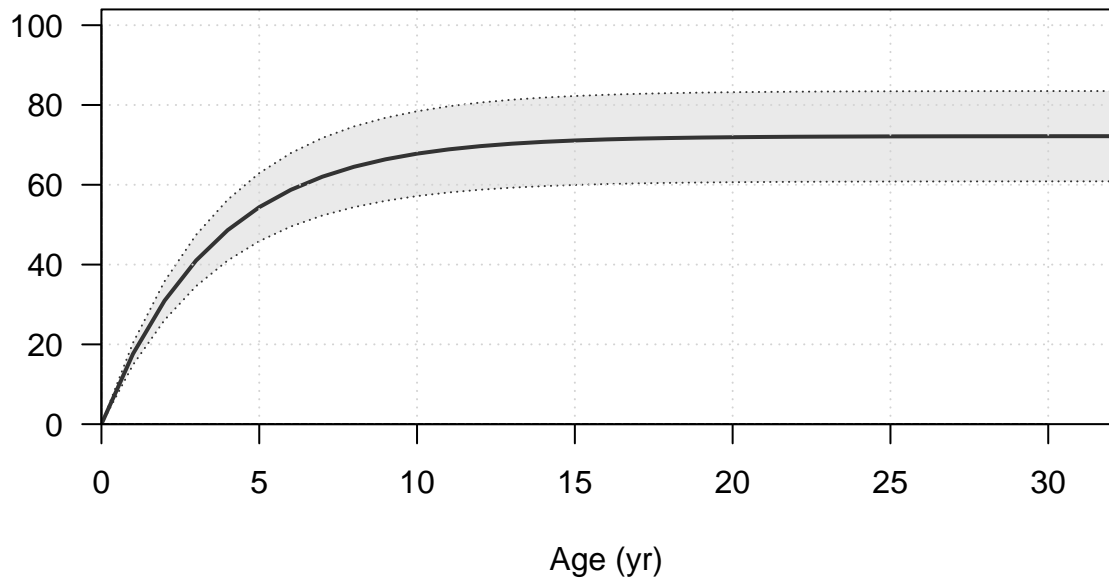
Stock Synthesis version: 3.30.19.0

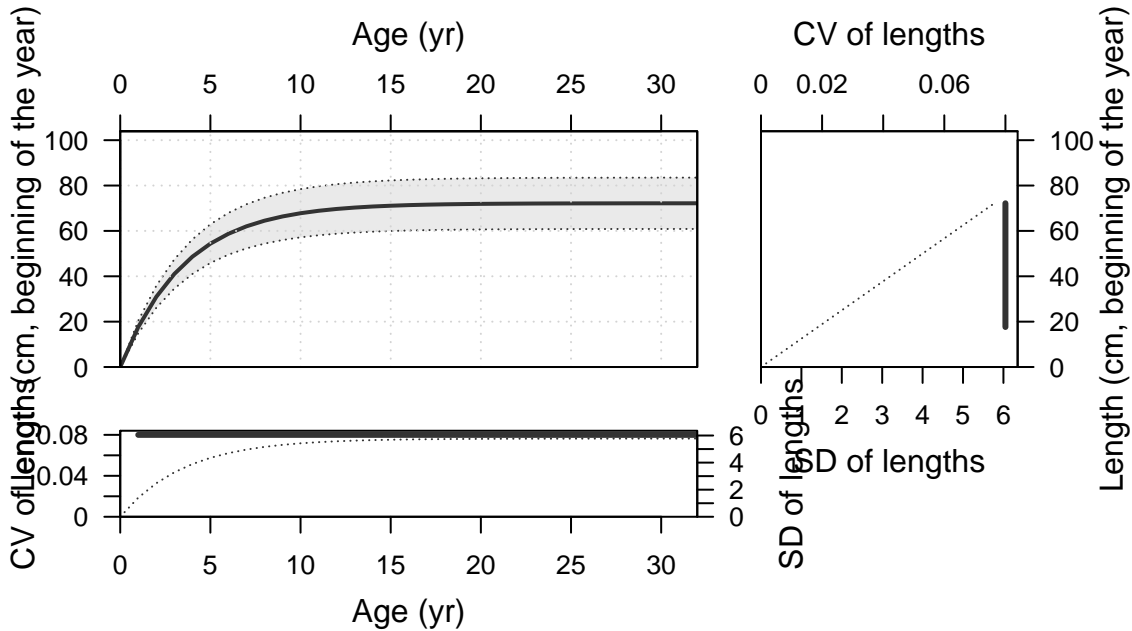
StartTime: Sat Jul 30 09:27:51 2022

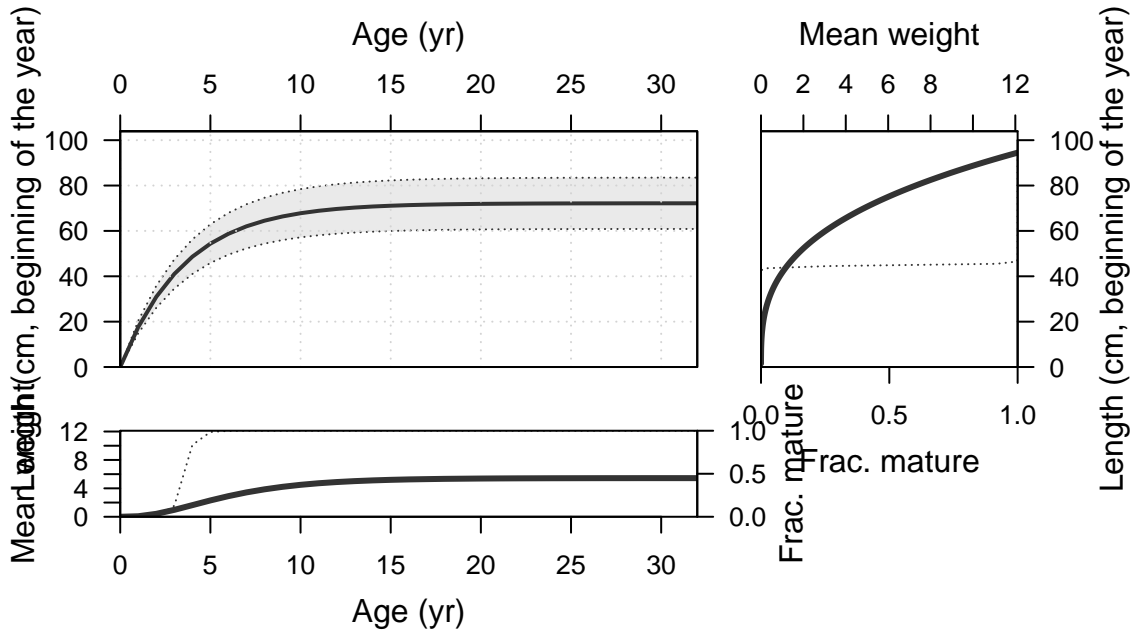
Data_File: data.ss

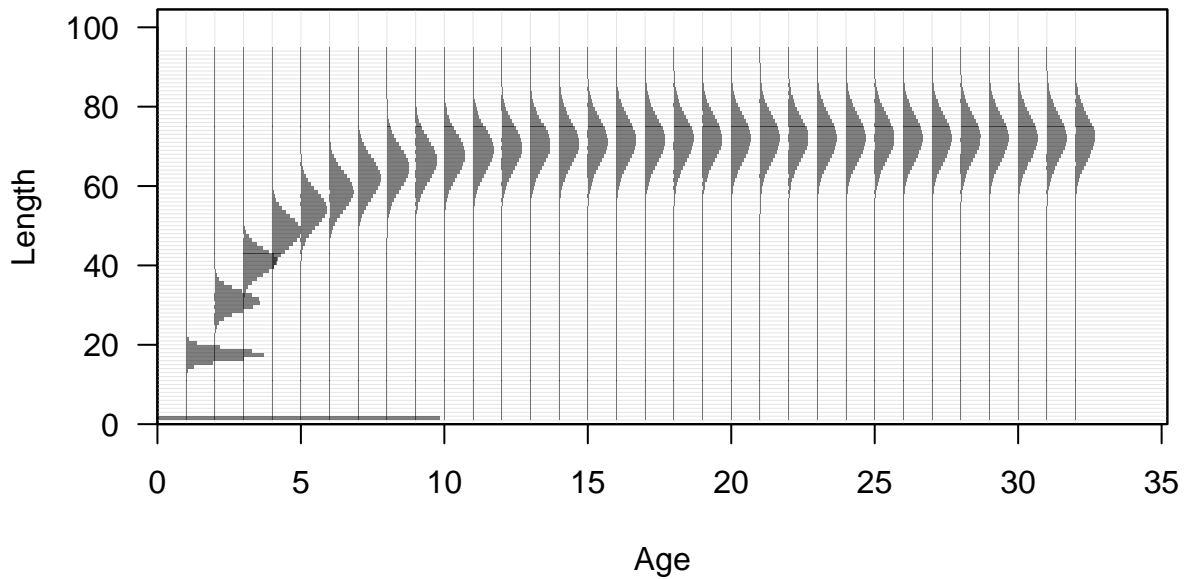
Control_File: control.ss

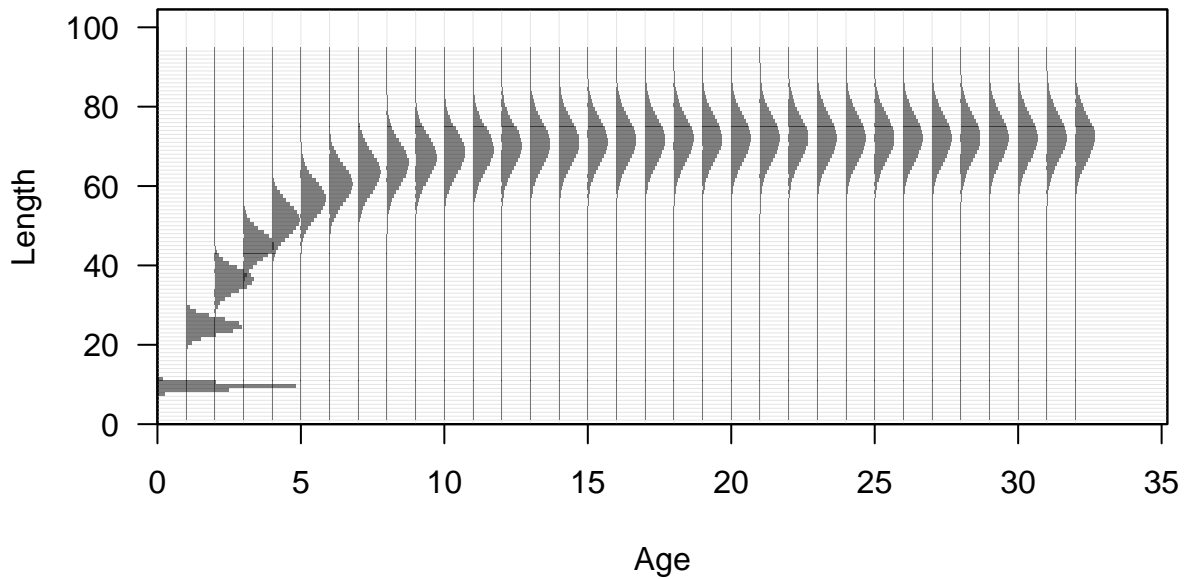
Length (cm, beginning of the year)

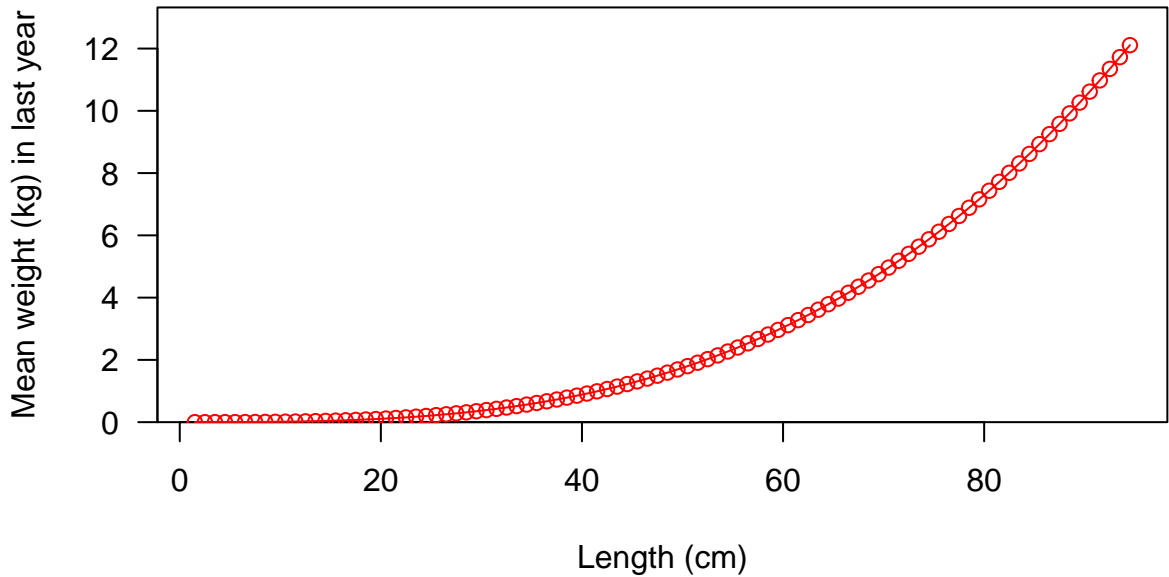




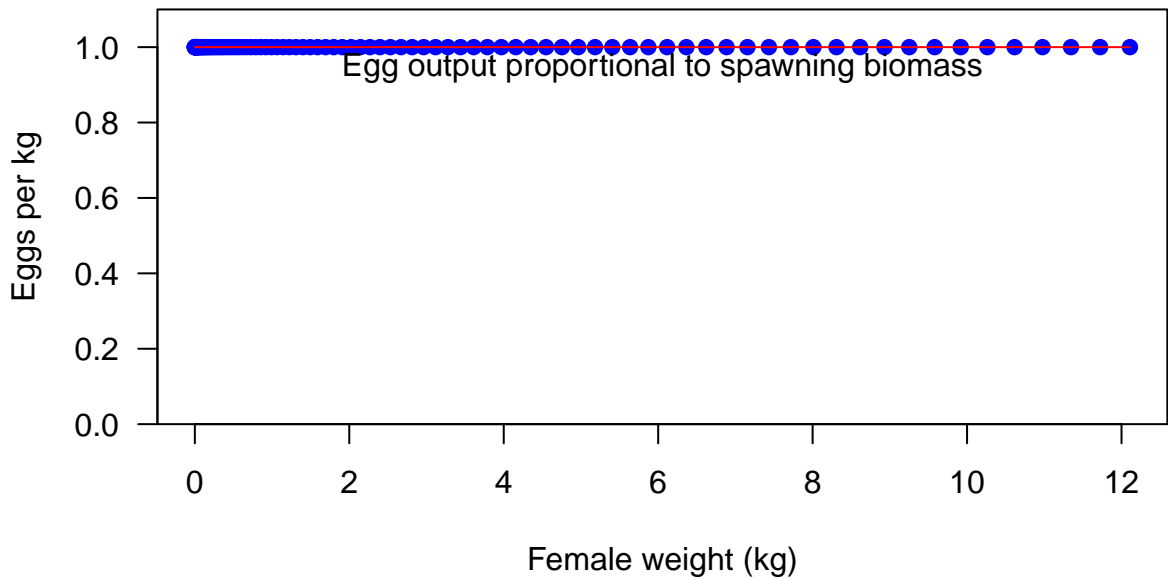




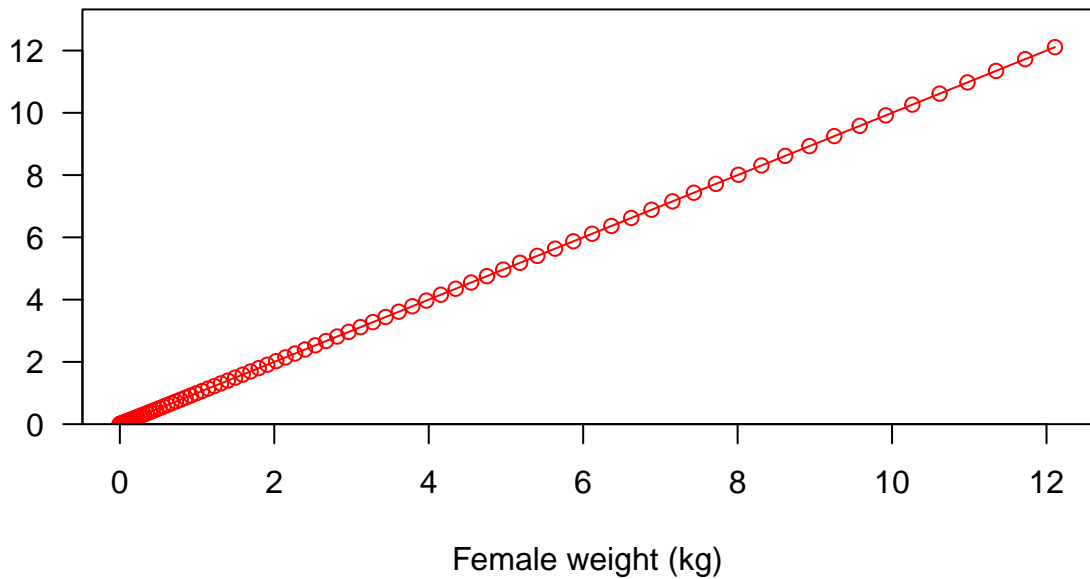




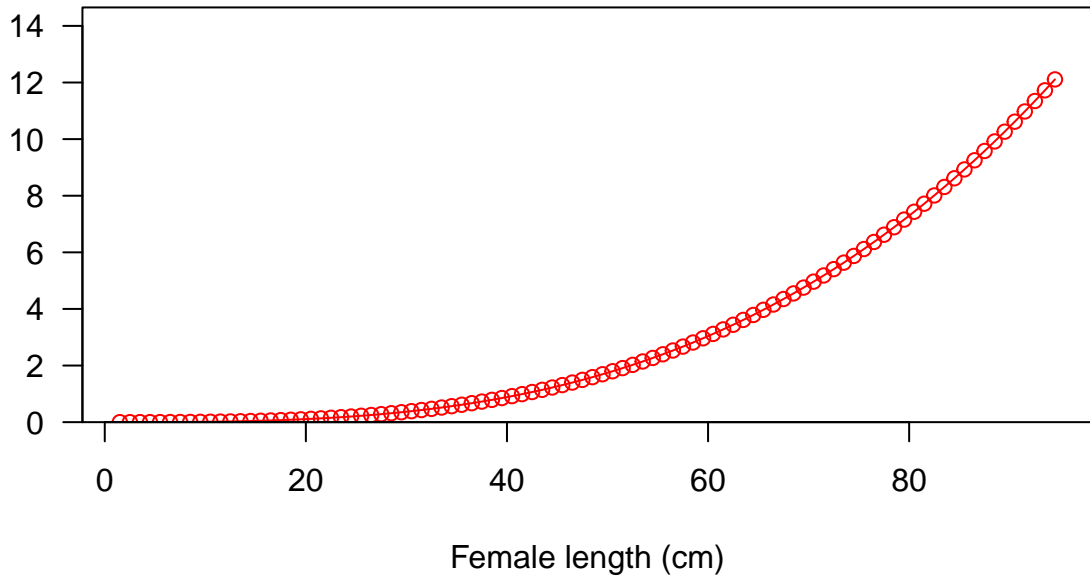




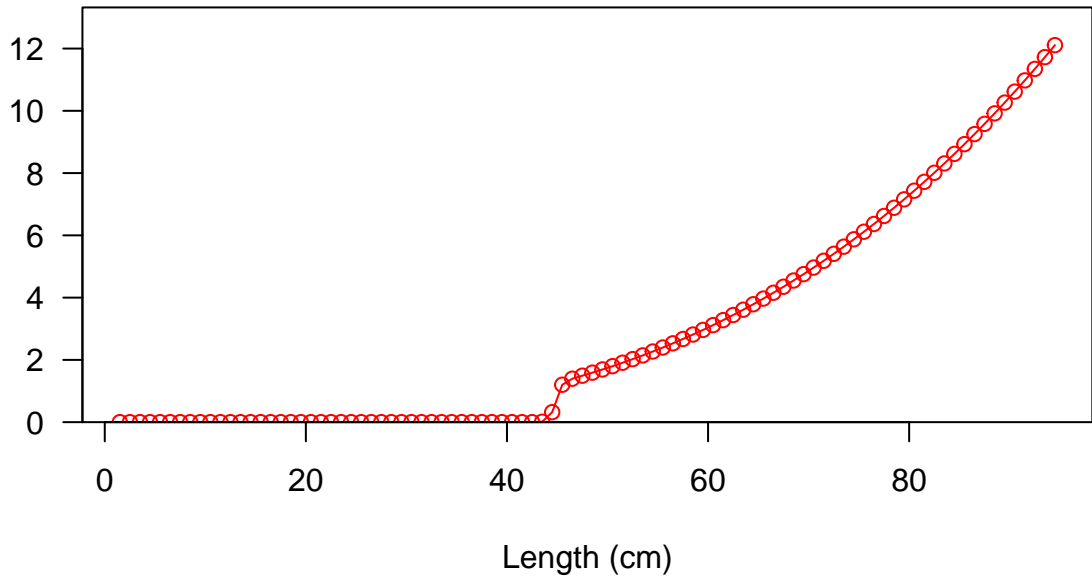
Fecundity



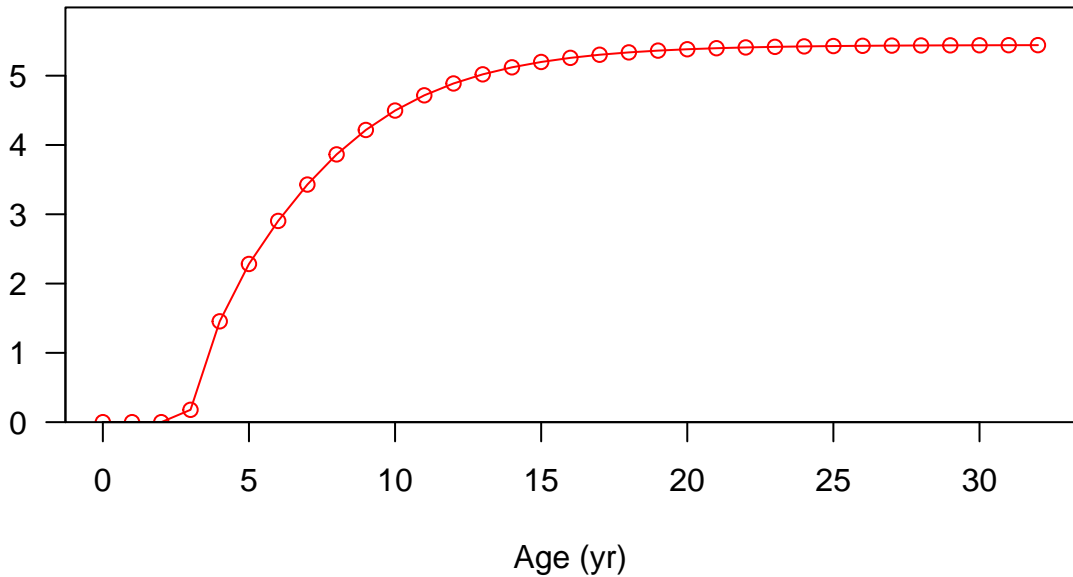
Fecundity



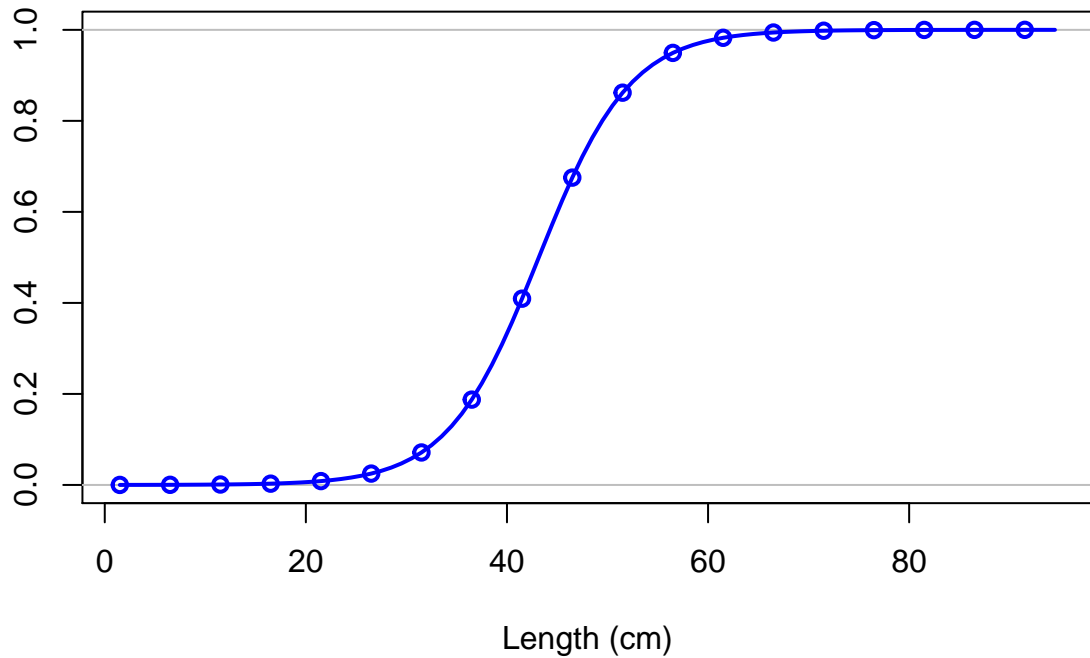
Spawning output



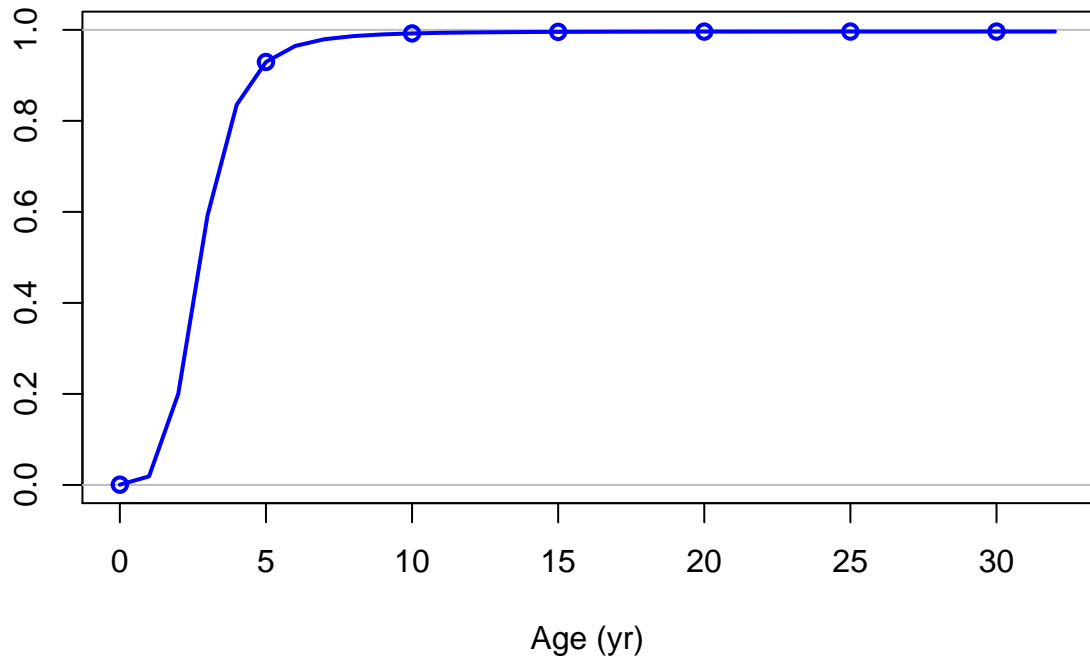
Spawning output



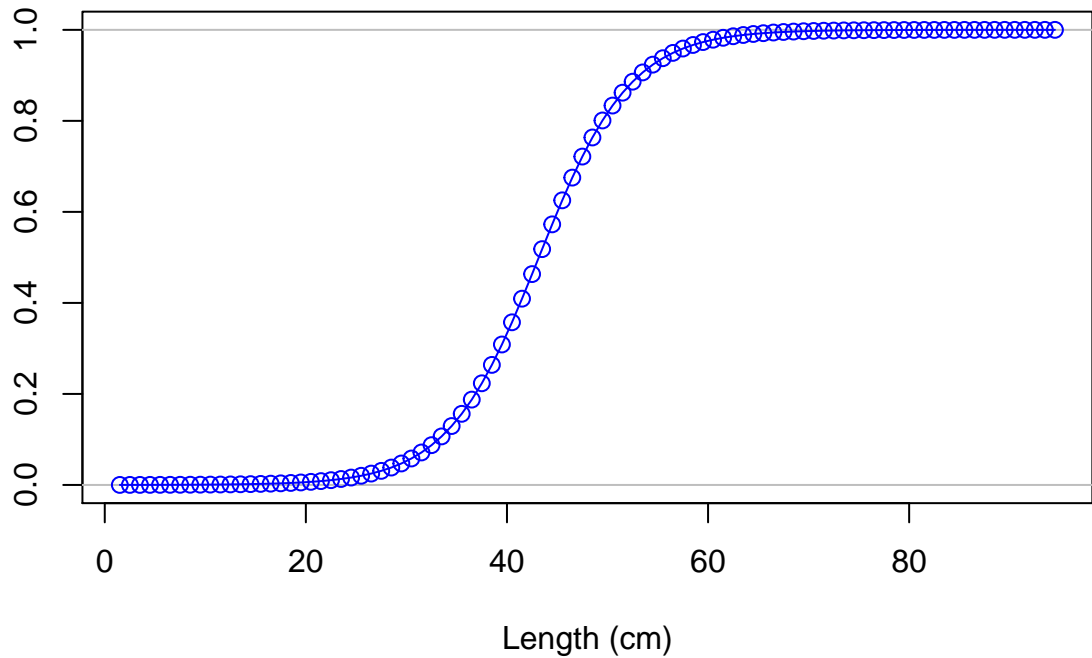
Selectivity

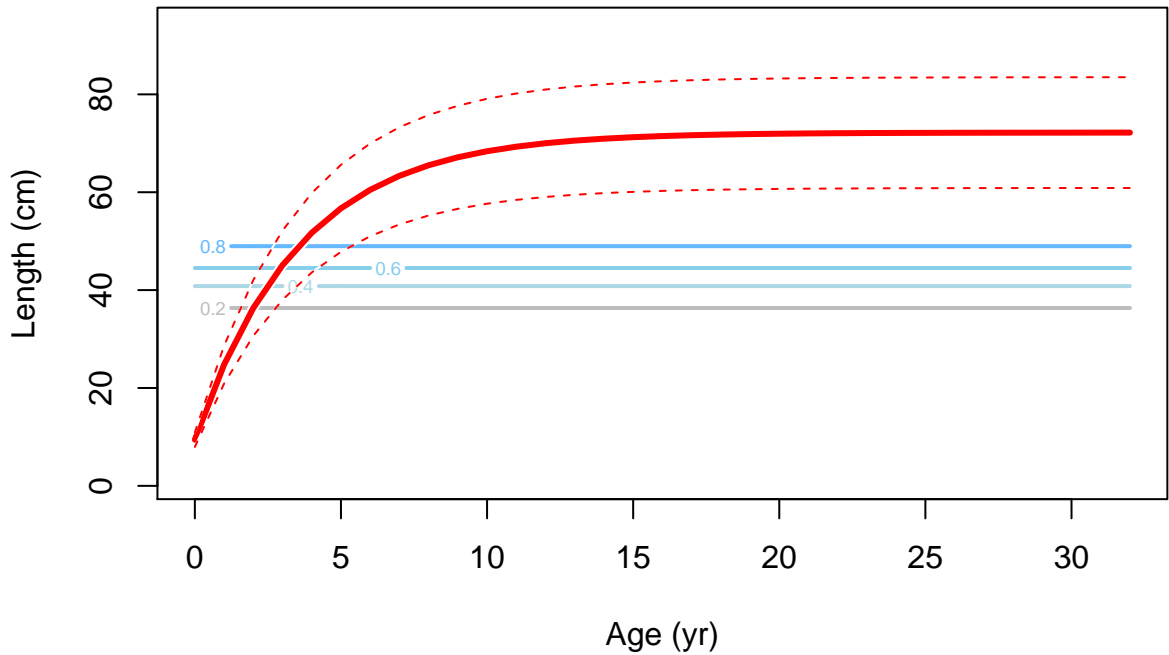


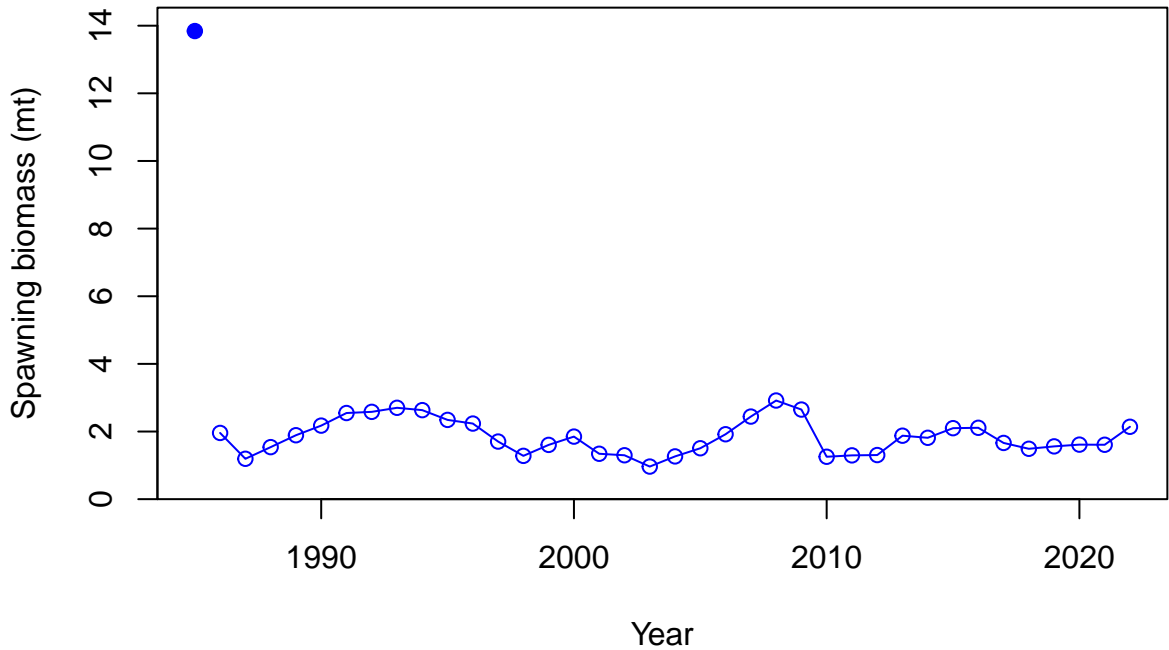
Selectivity

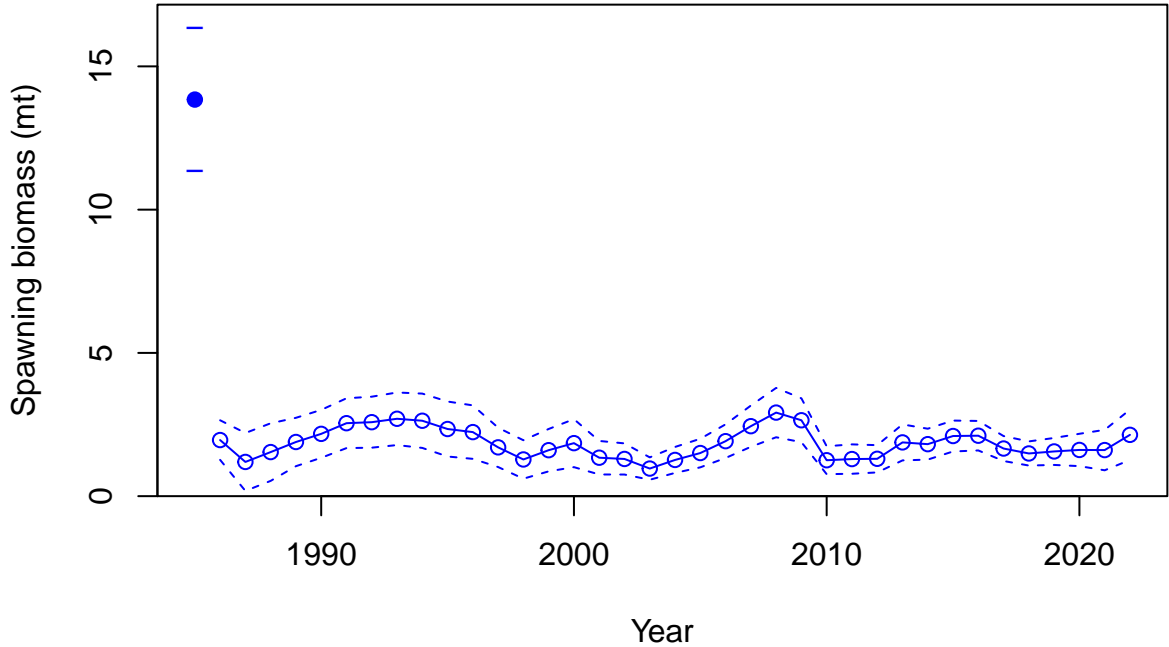


Selectivity

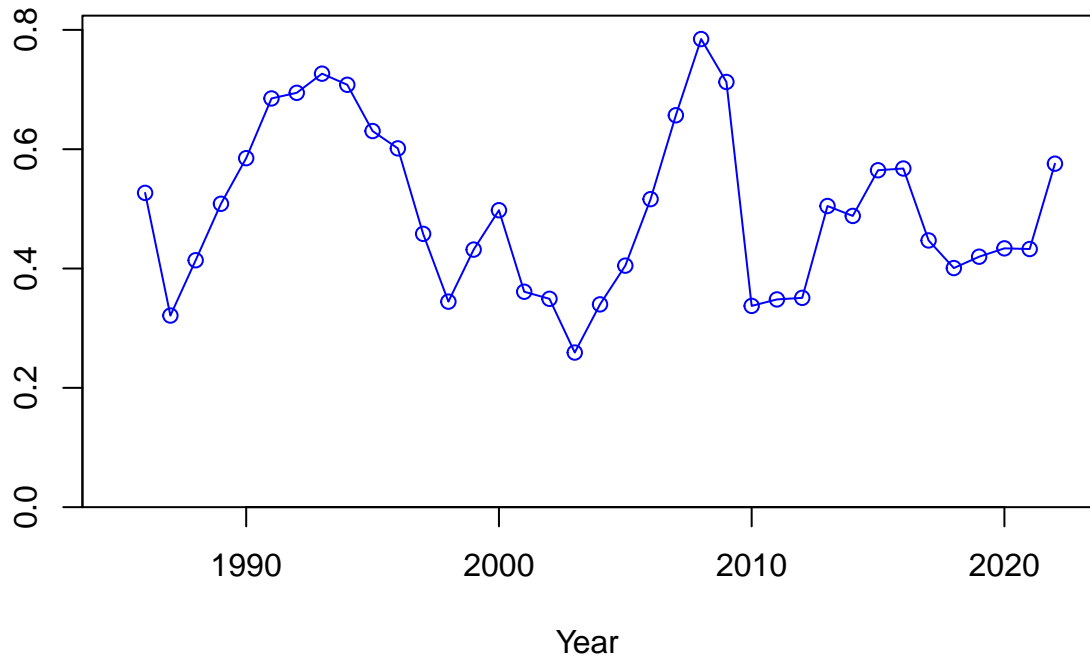




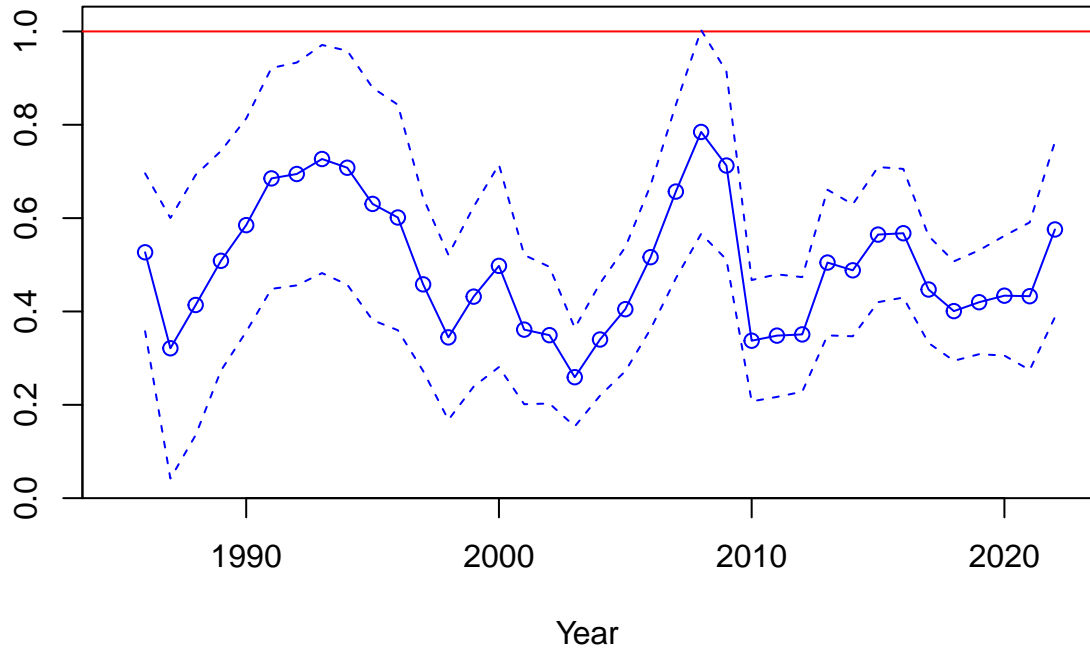


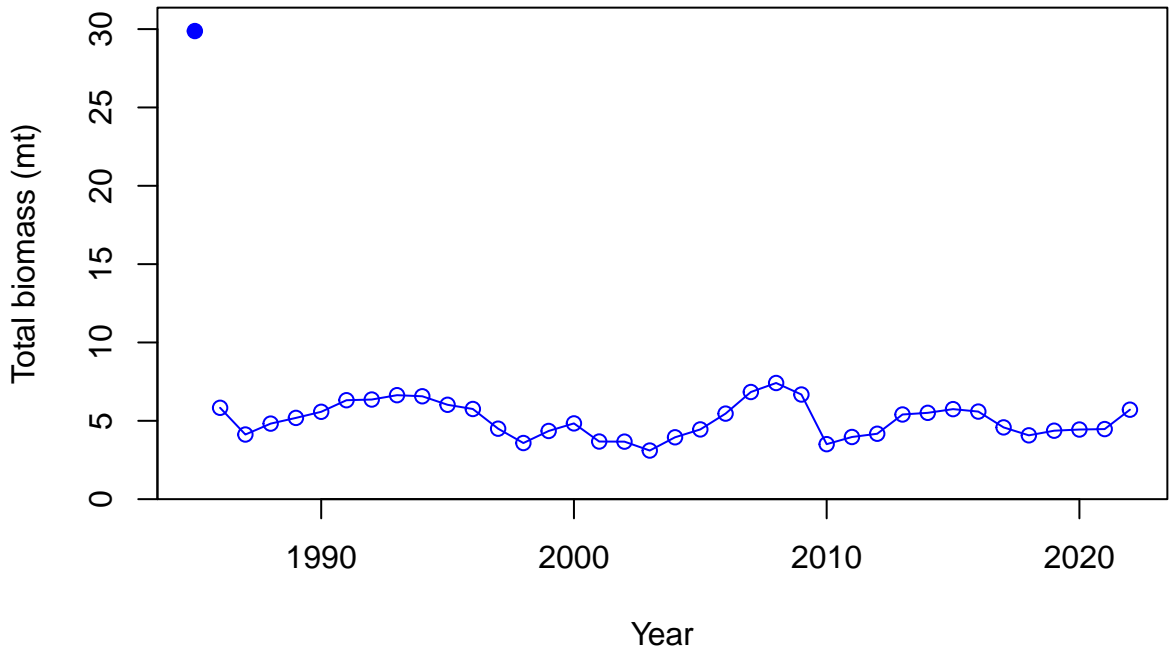


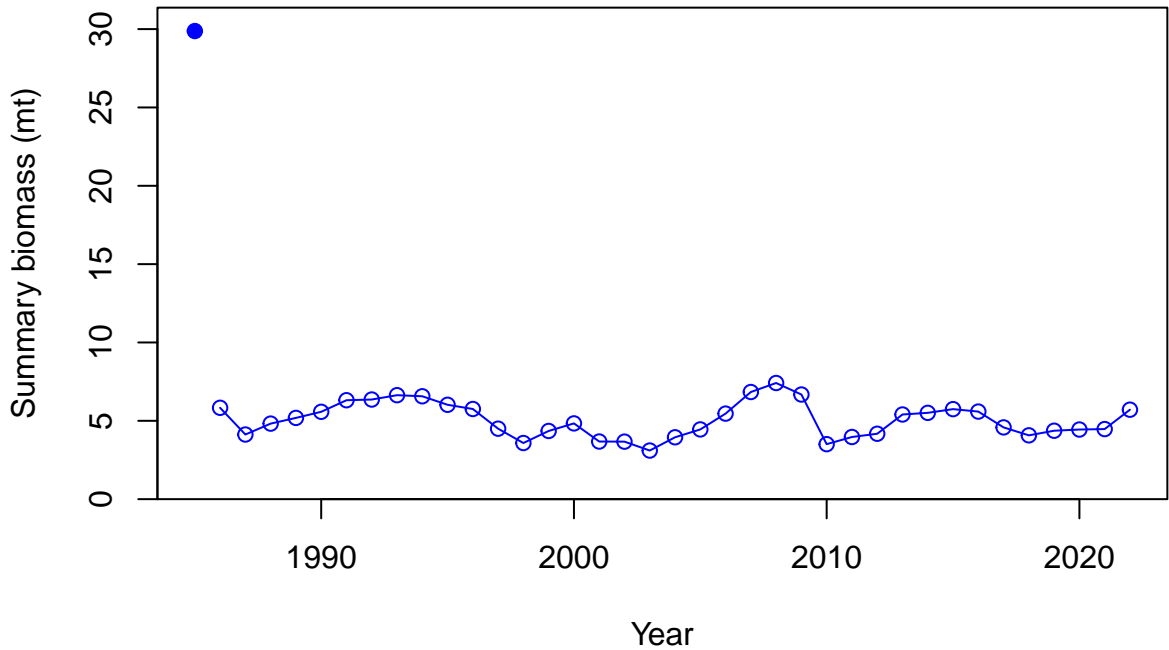
Relative spawning biomass: B/B_{MSY}



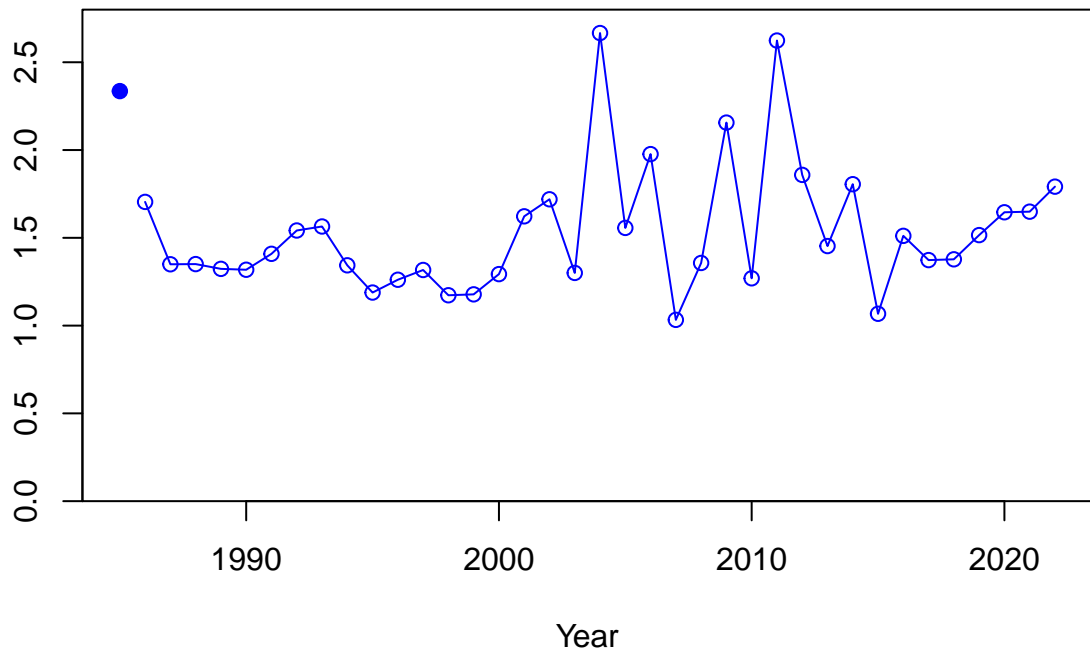
Relative spawning biomass: B/B_{MSY}



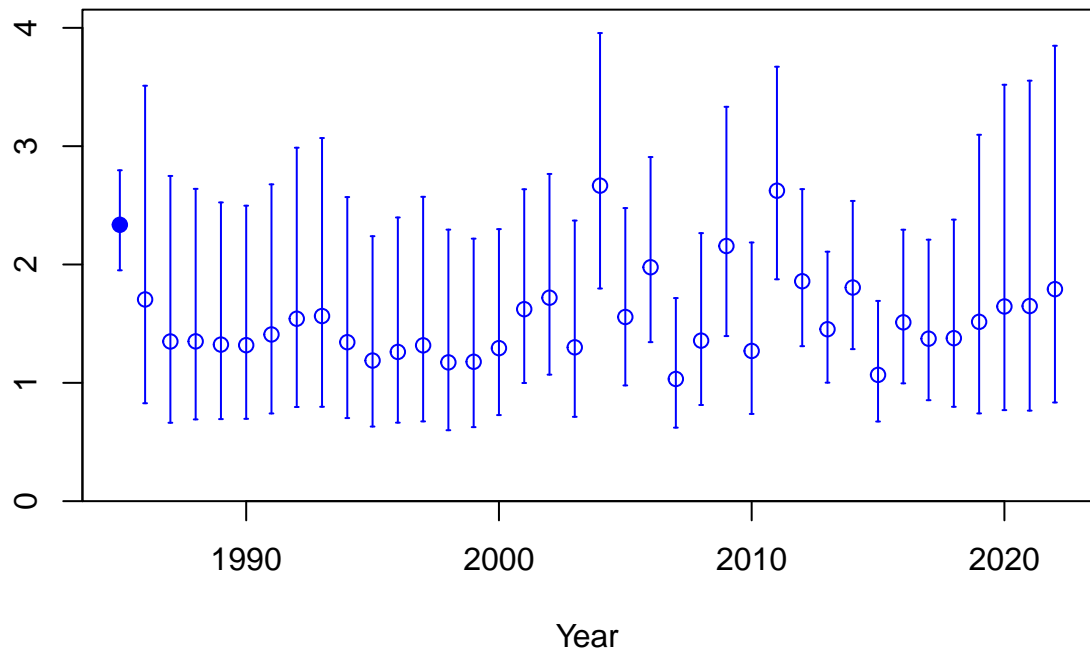




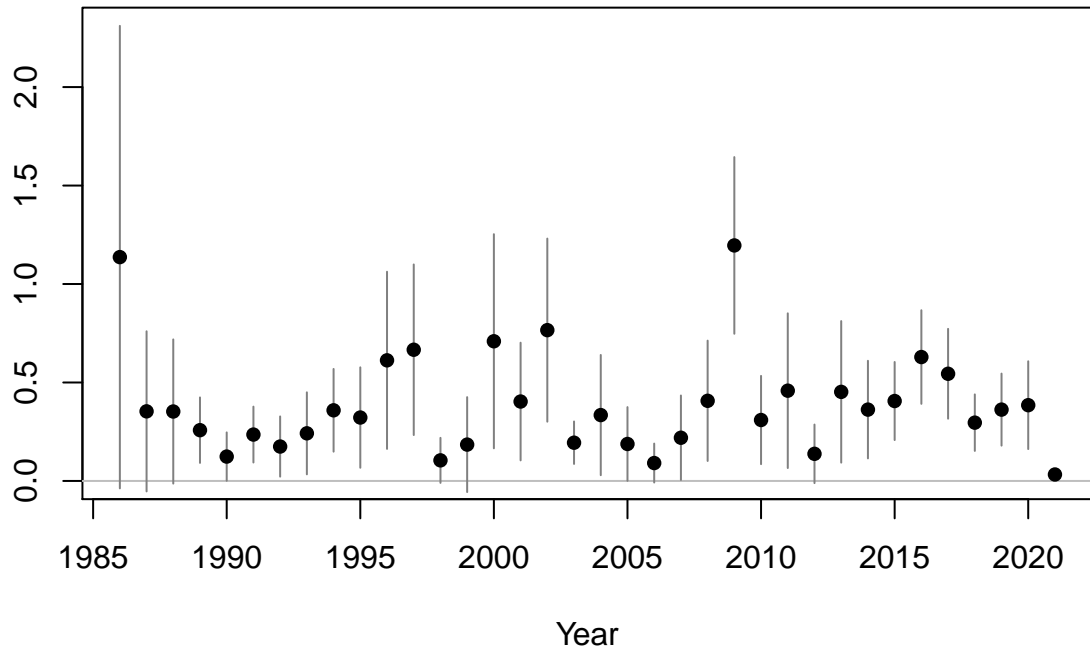
Age-0 recruits (1,000s)

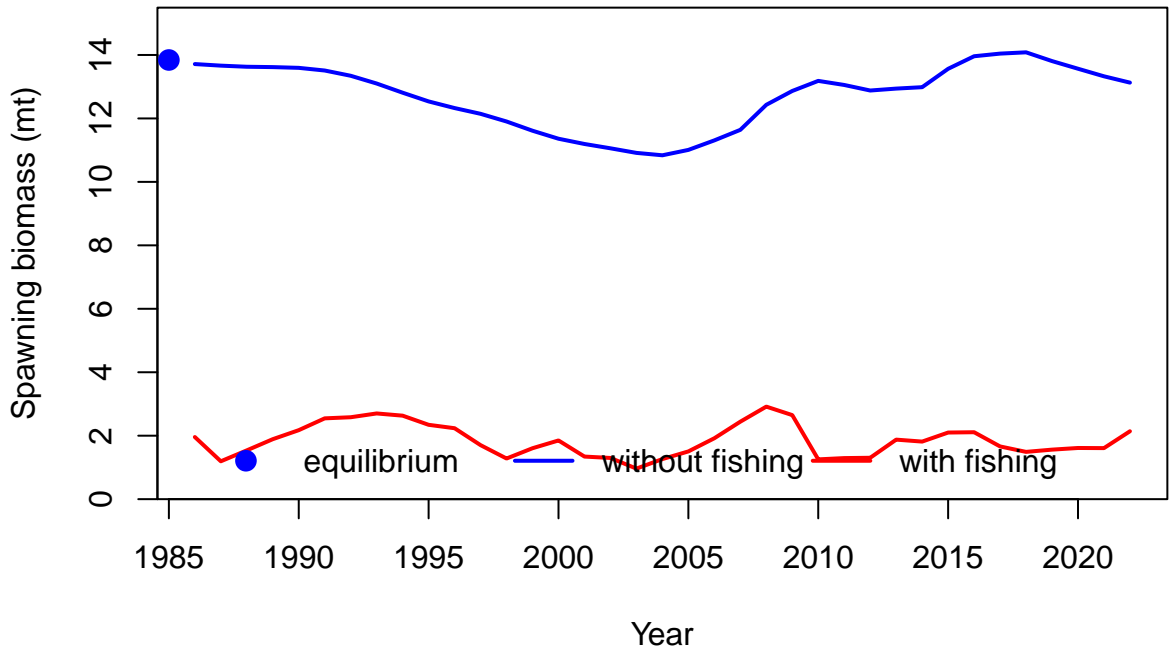


Age-0 recruits (1,000s)

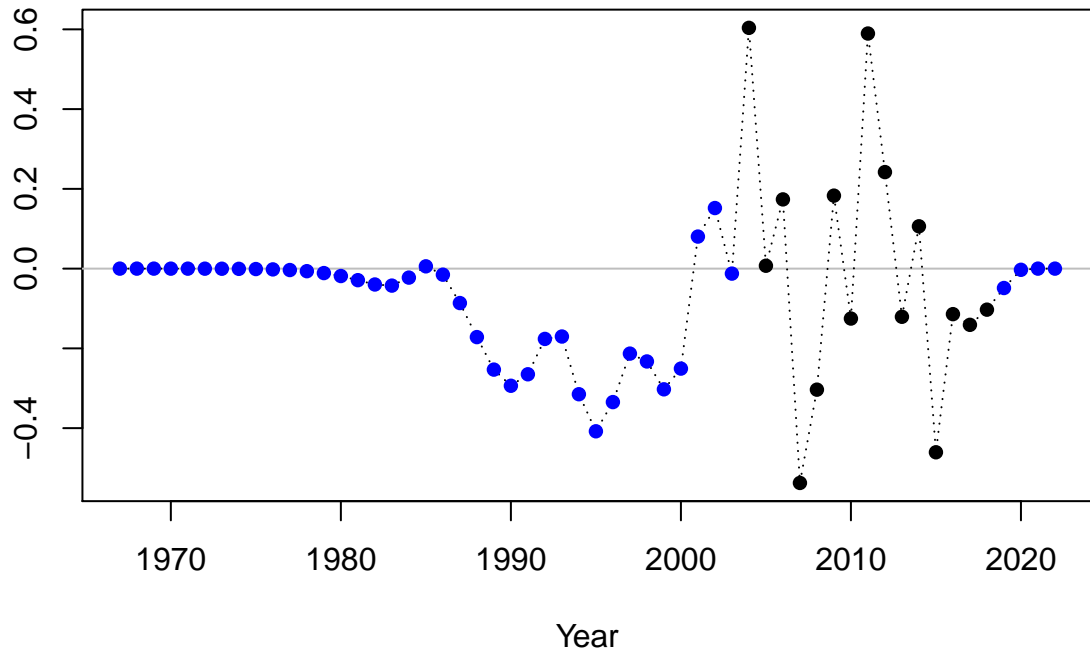


Summary Fishing Mortality

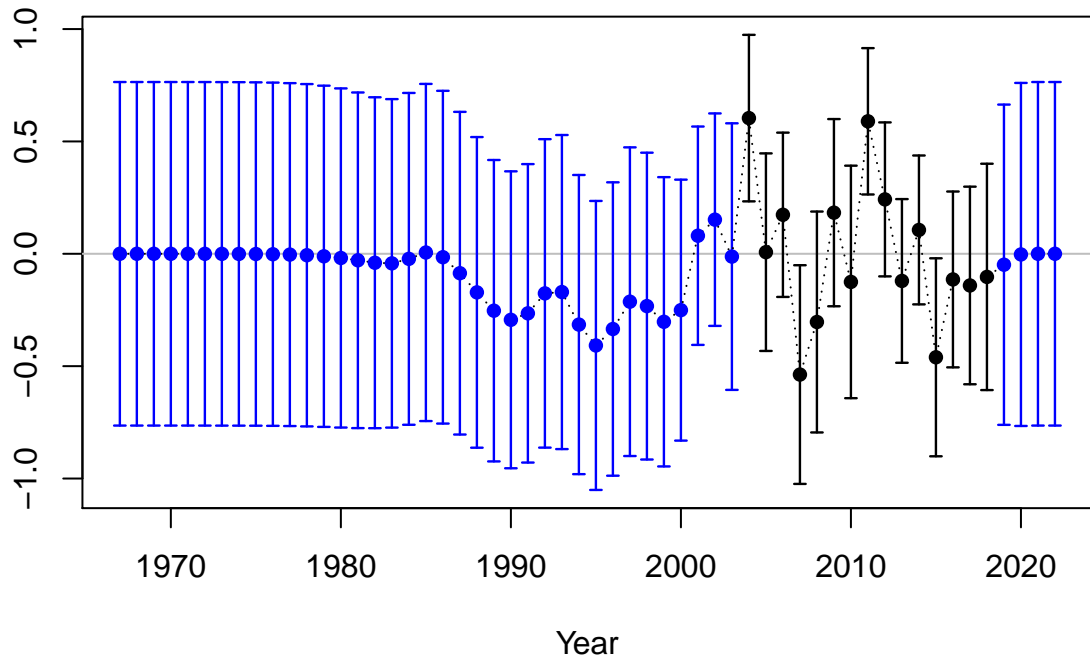




Log recruitment deviation

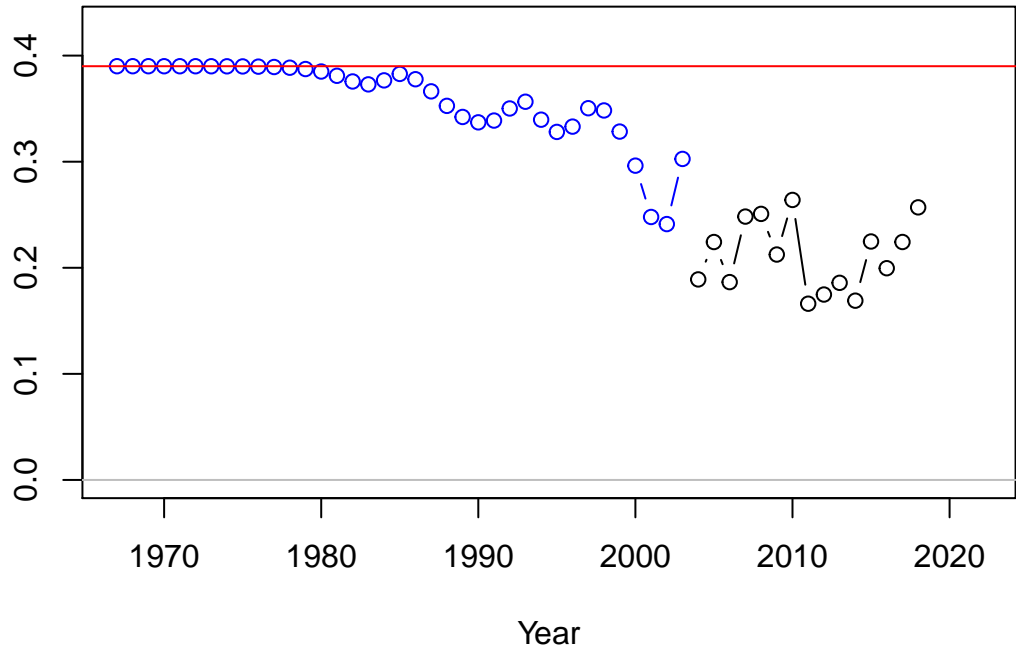


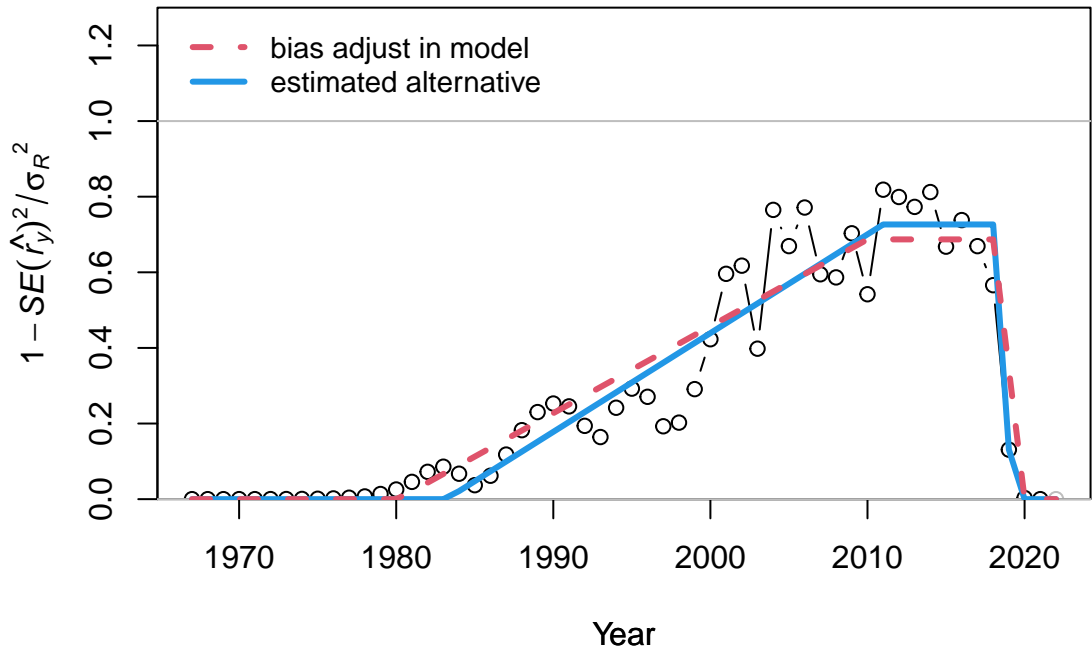
Log recruitment deviation

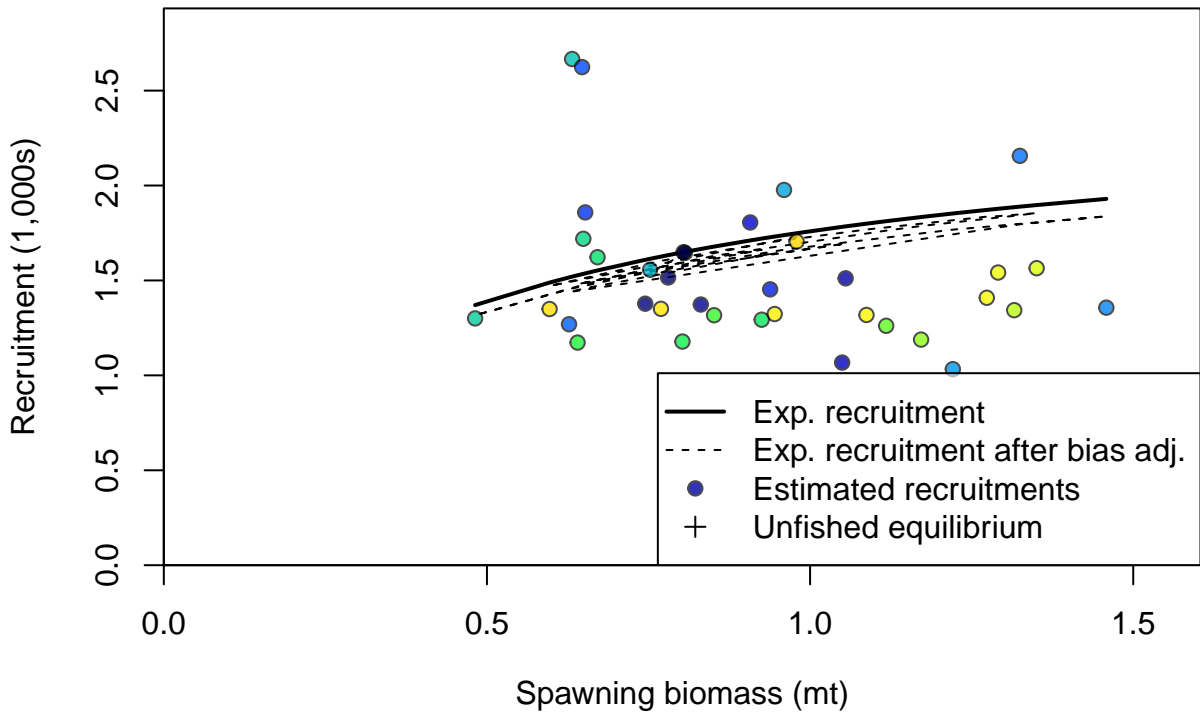


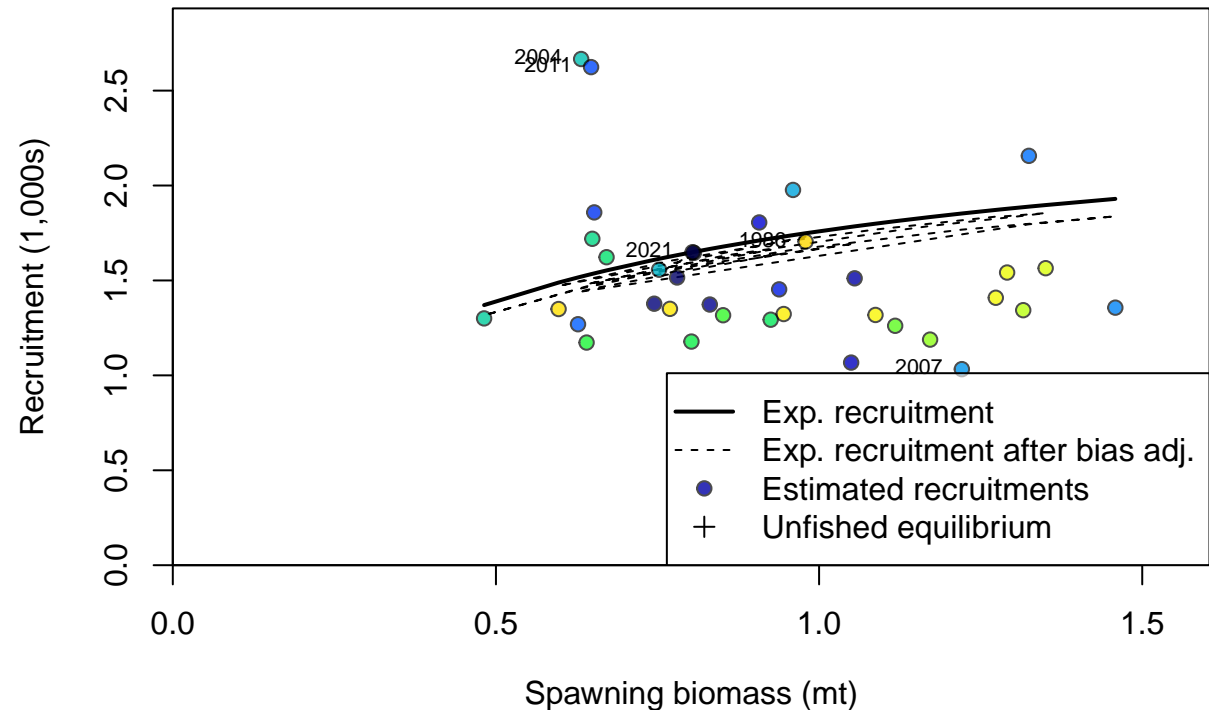
Recruitment deviation variance

Asymptotic standard error estimate

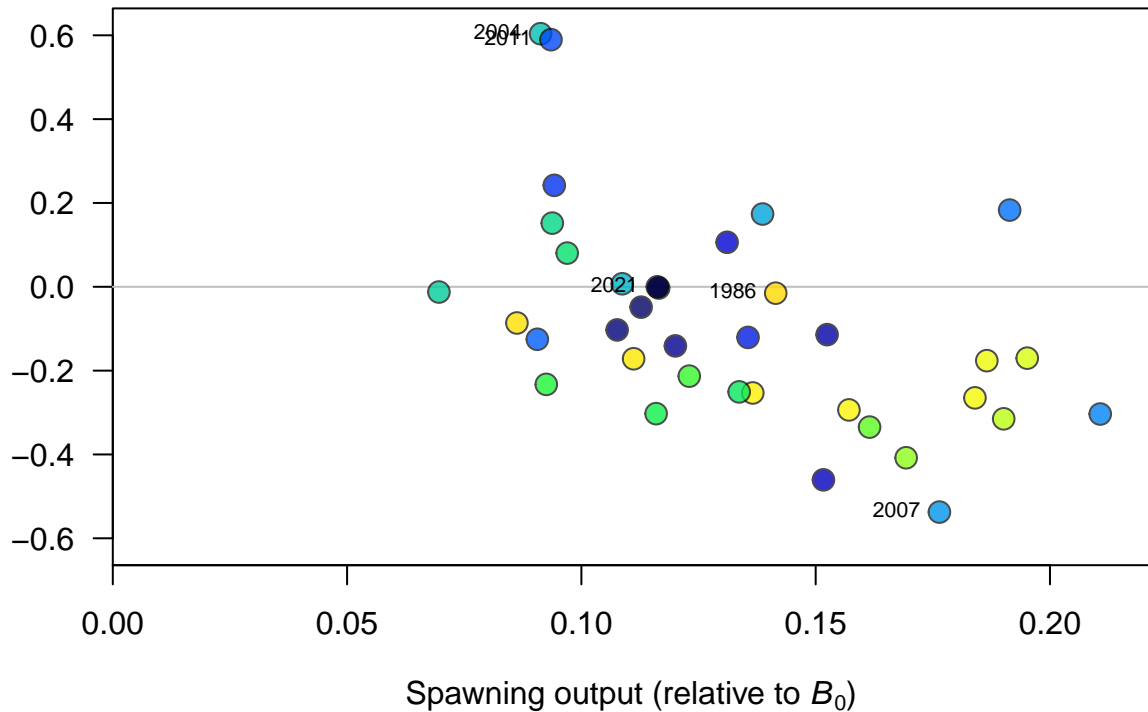


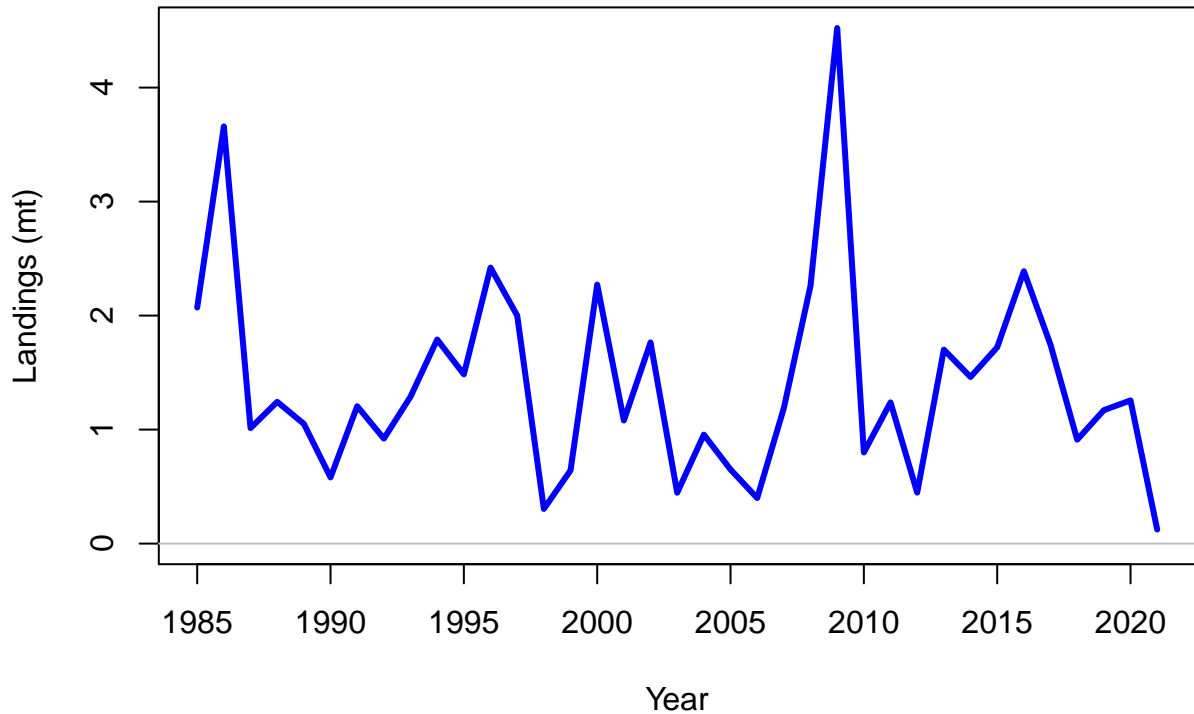


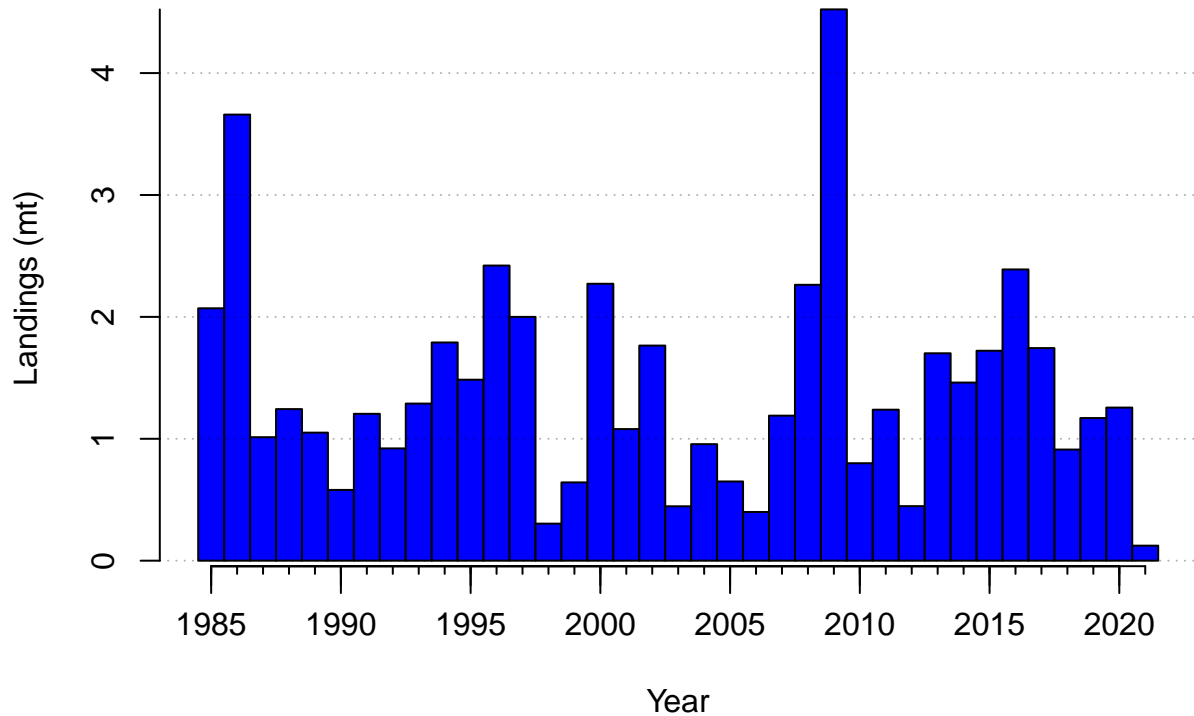




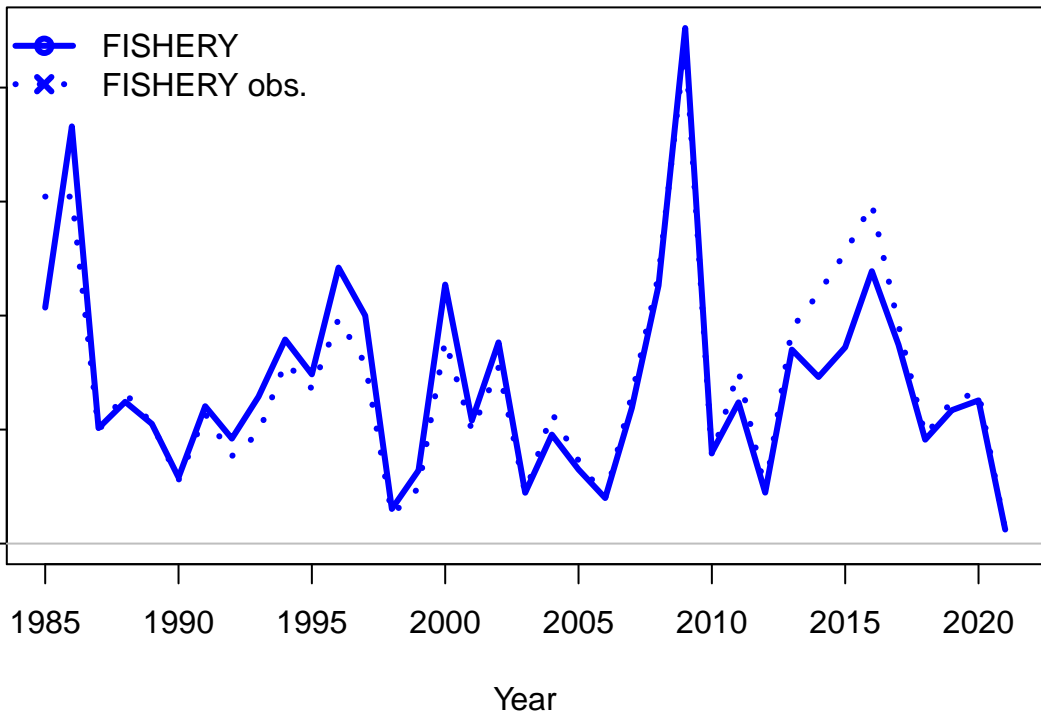
Log recruitment deviation

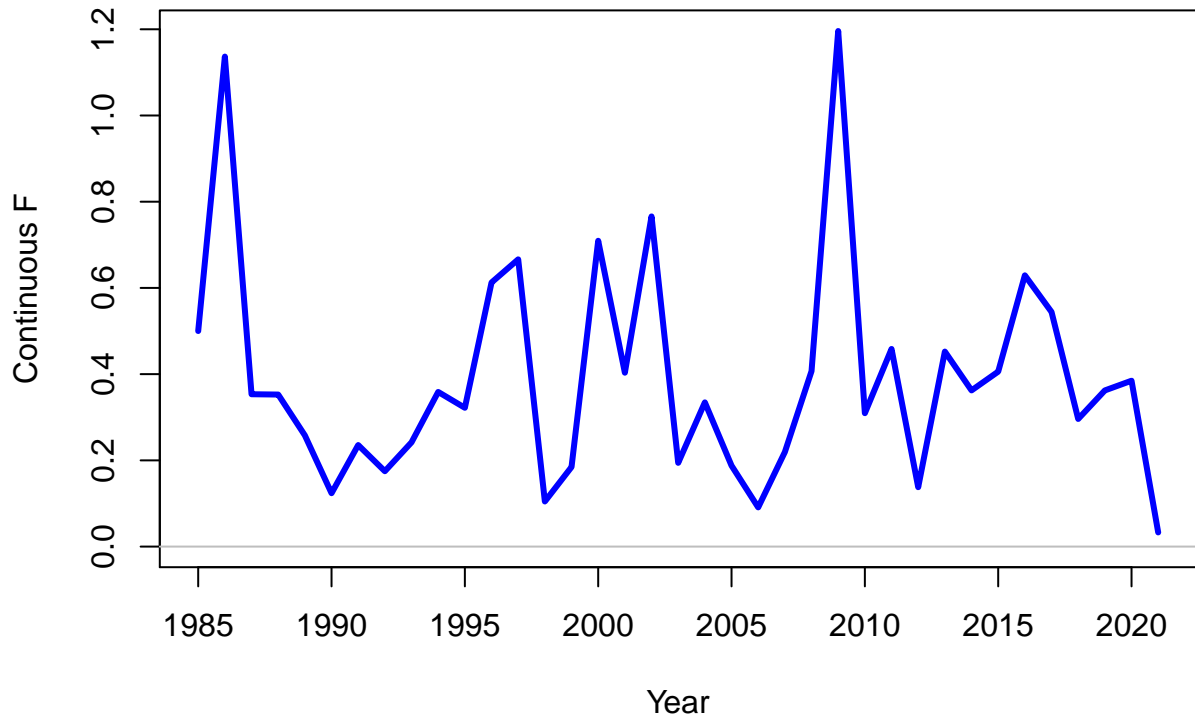




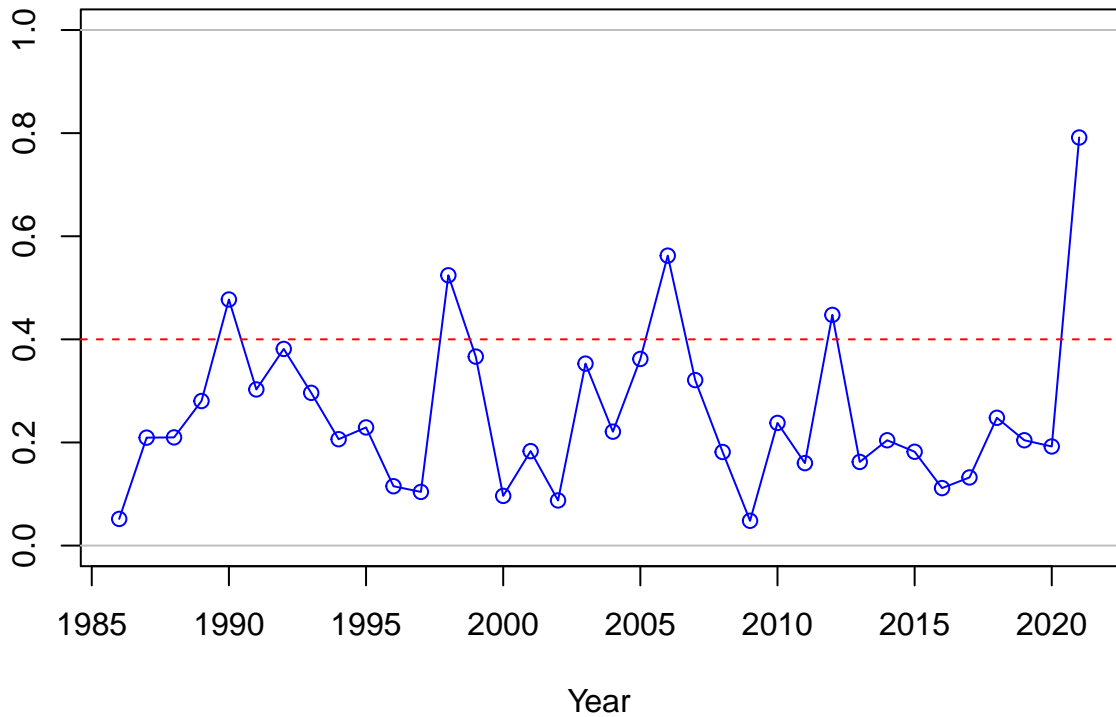


Observed and expected Landings (mt)

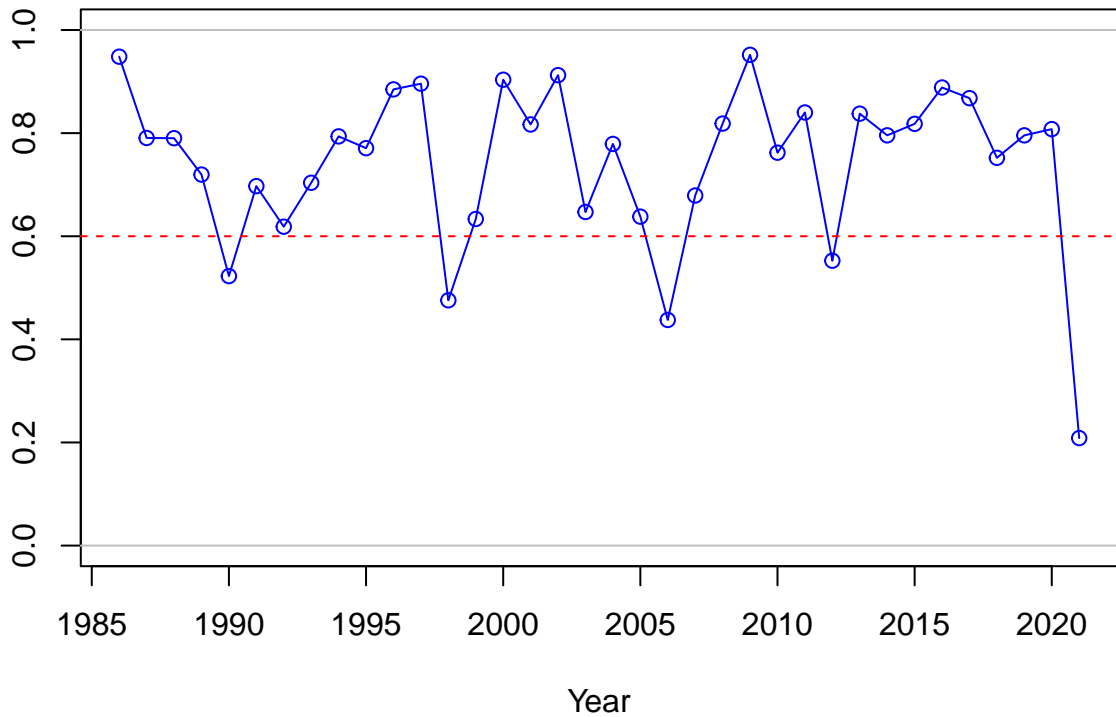




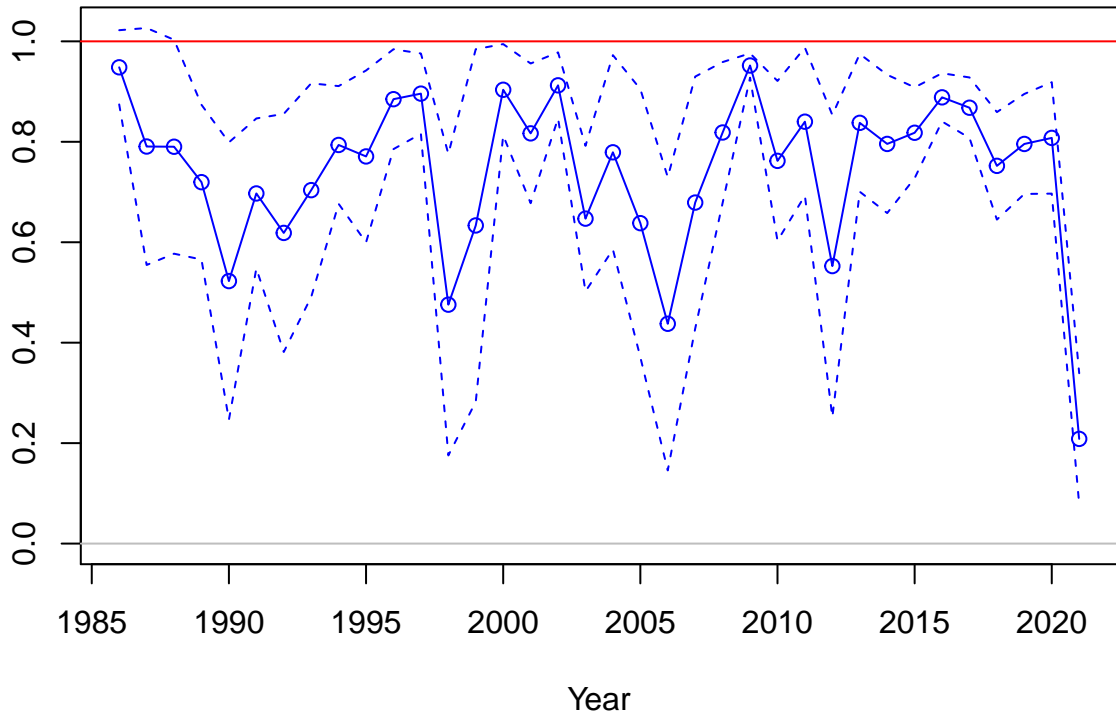
SPR



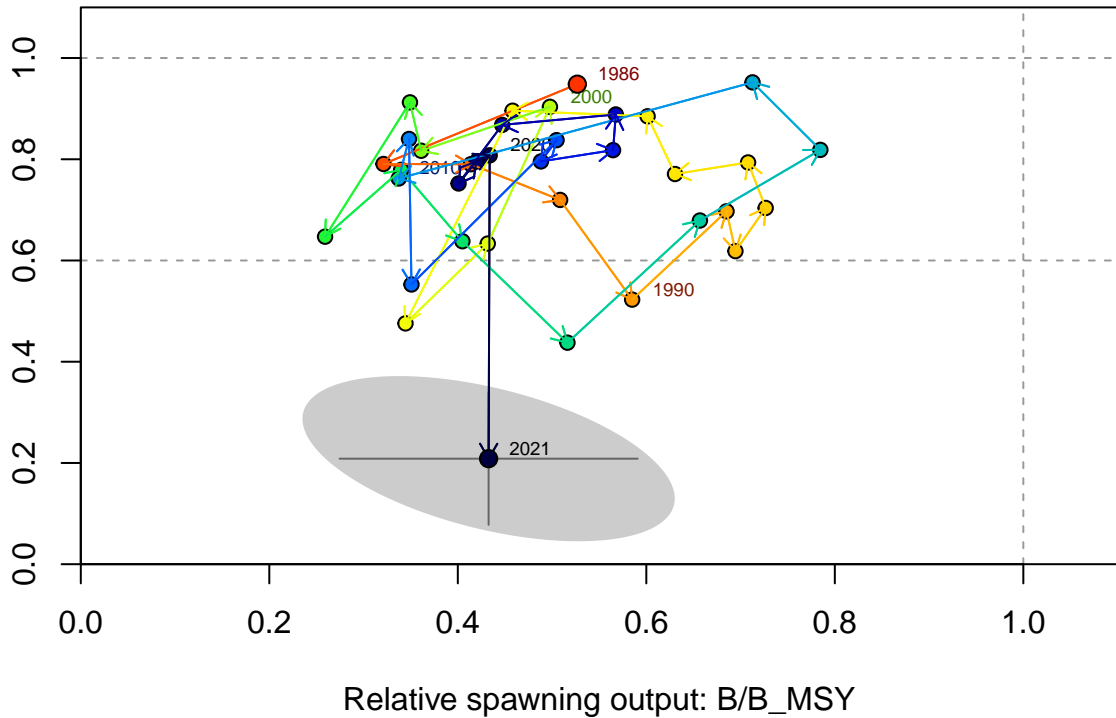
1-SPR



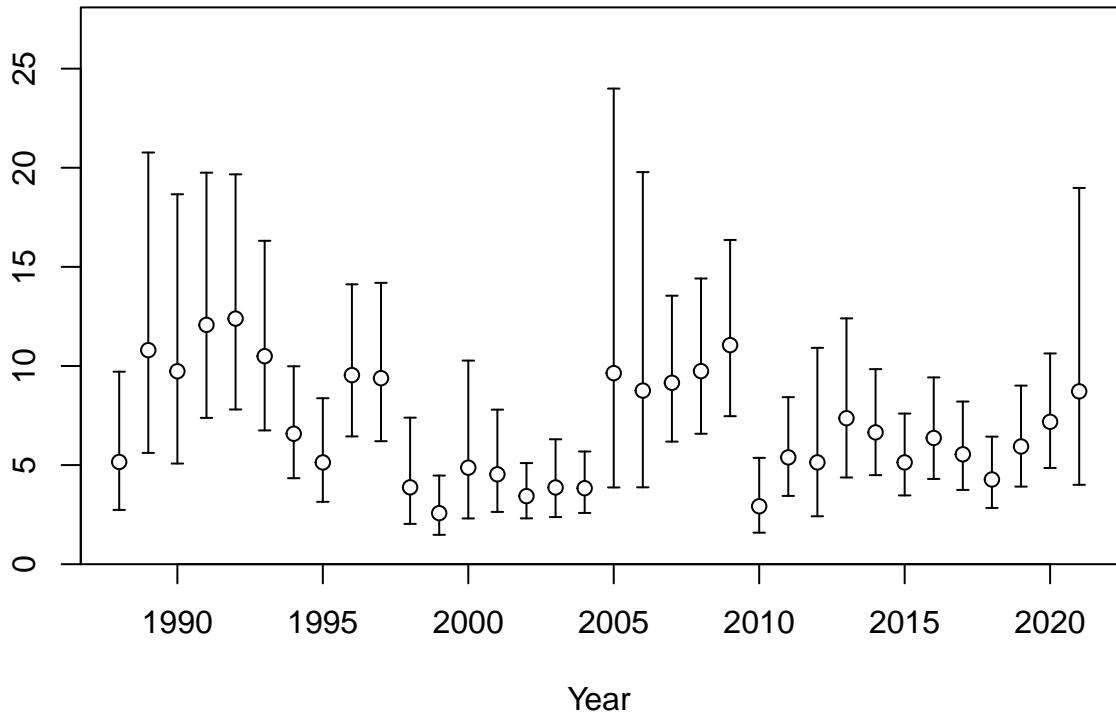
Fishing intensity: 1-SPR



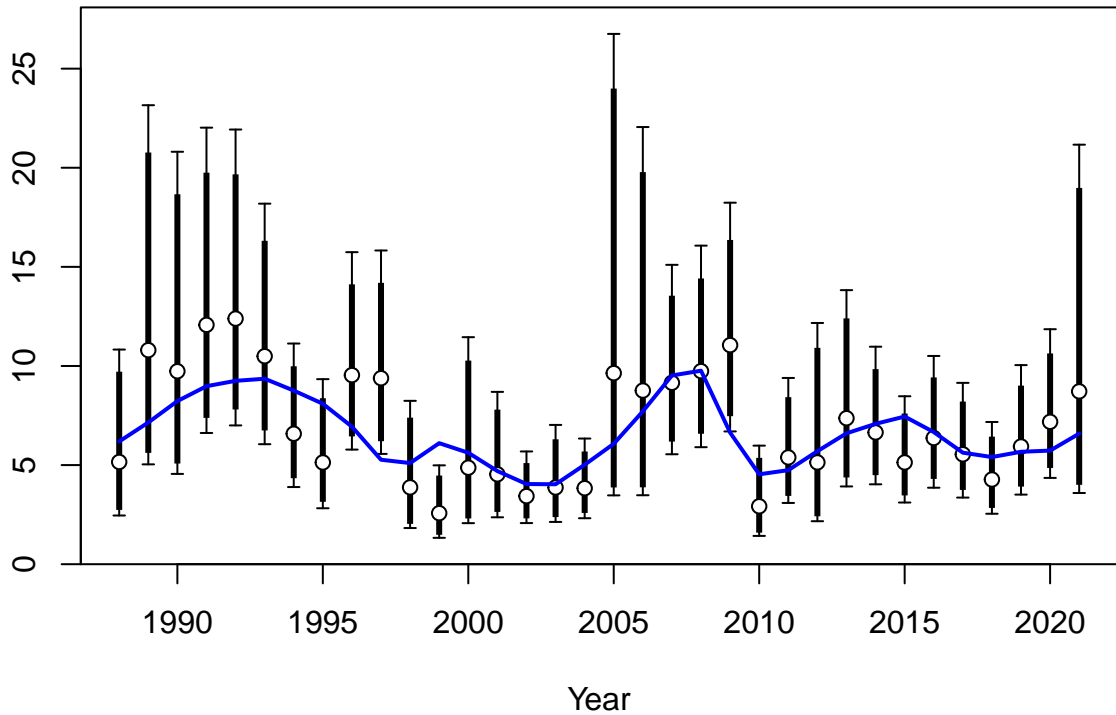
Fishing intensity: 1-SPR

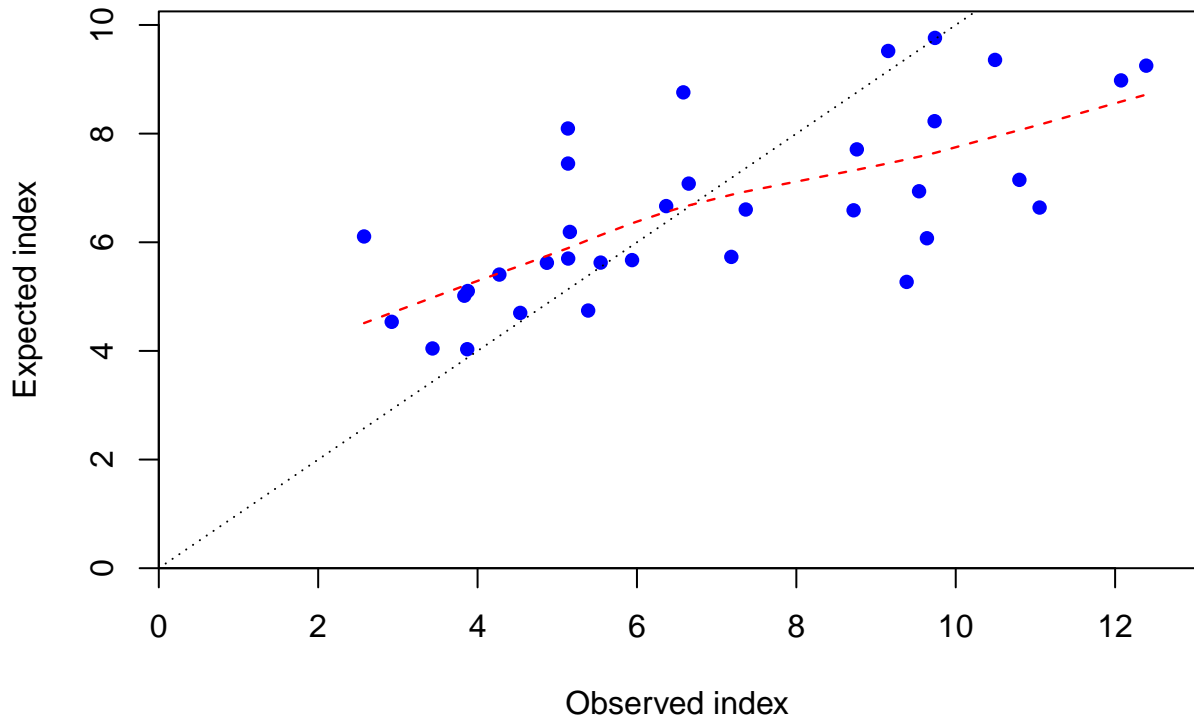


Index



Index





Log index

0.5
1.0
1.5
2.0
2.5
3.0

1990

1995

2000

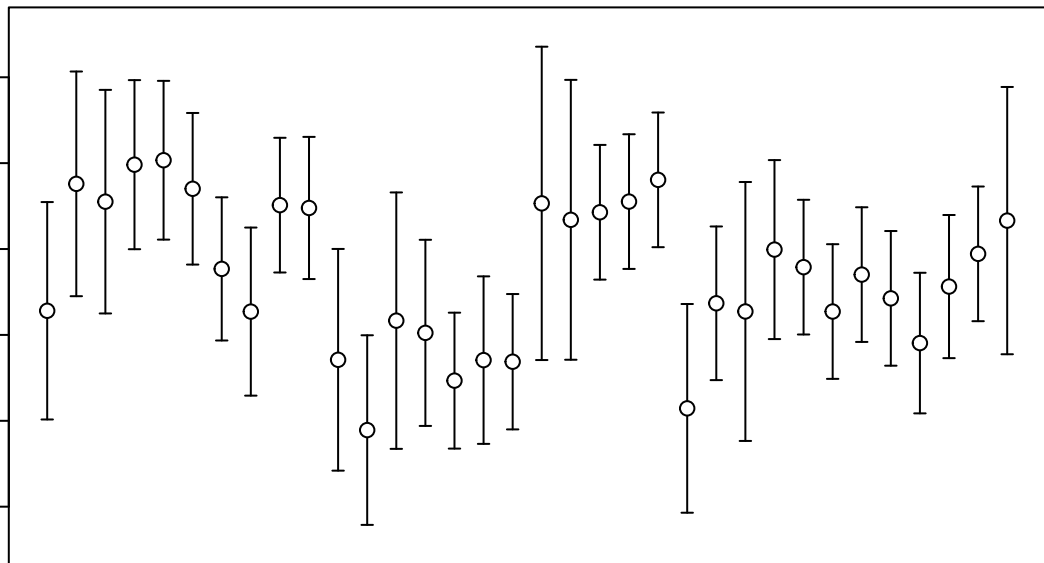
2005

2010

2015

2020

Year



Log index

3.0
2.5
2.0
1.5
1.0
0.5

1990

1995

2000

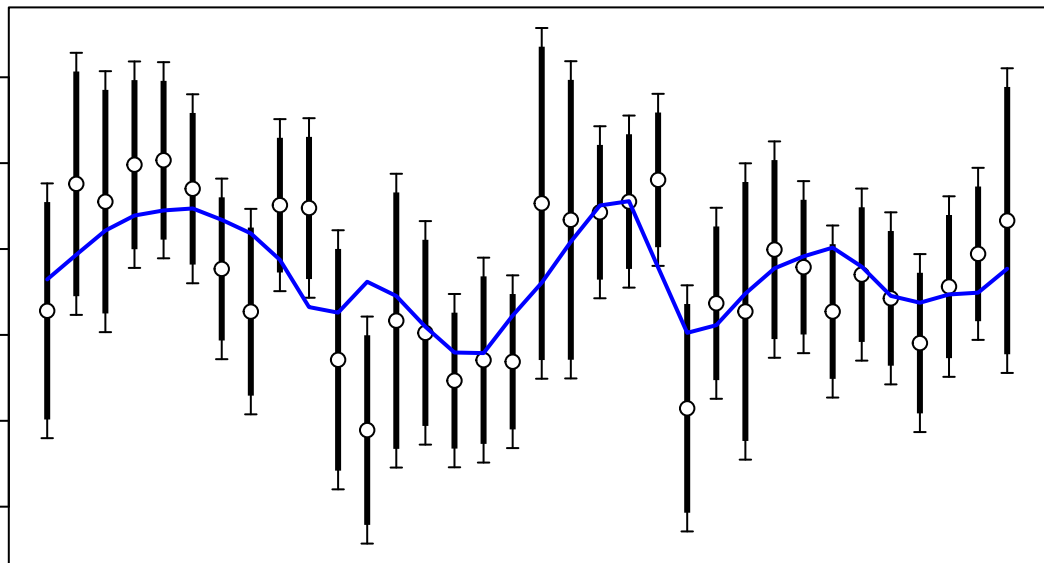
2005

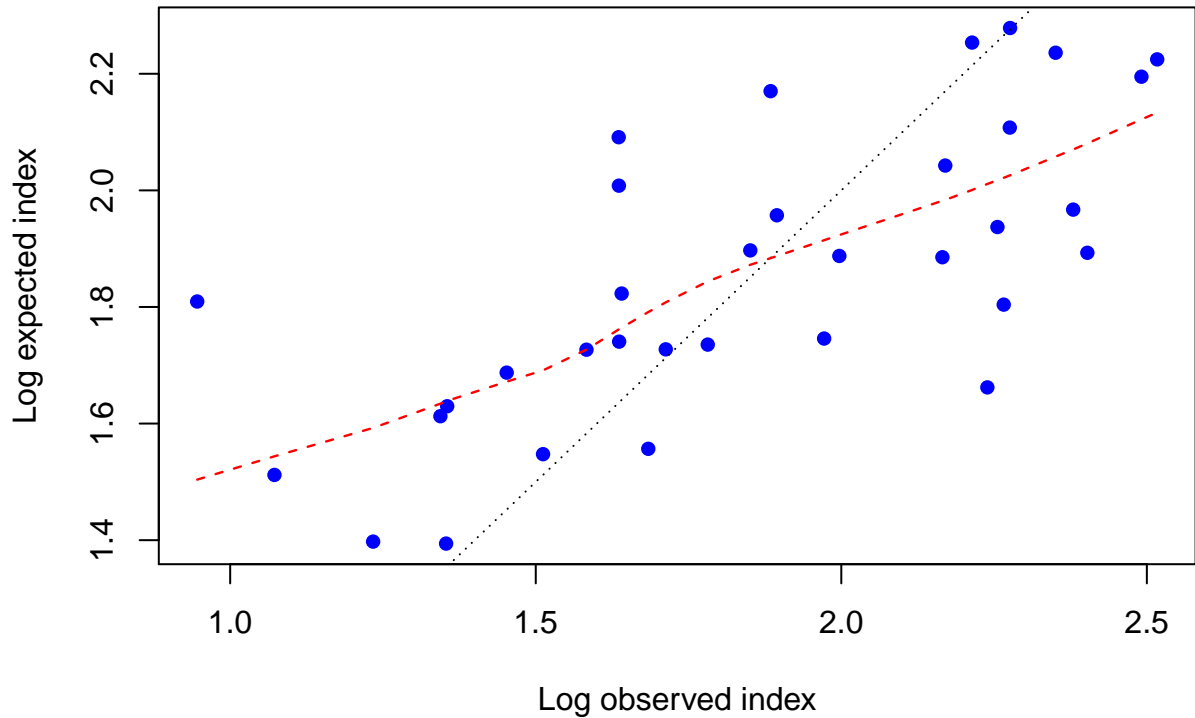
2010

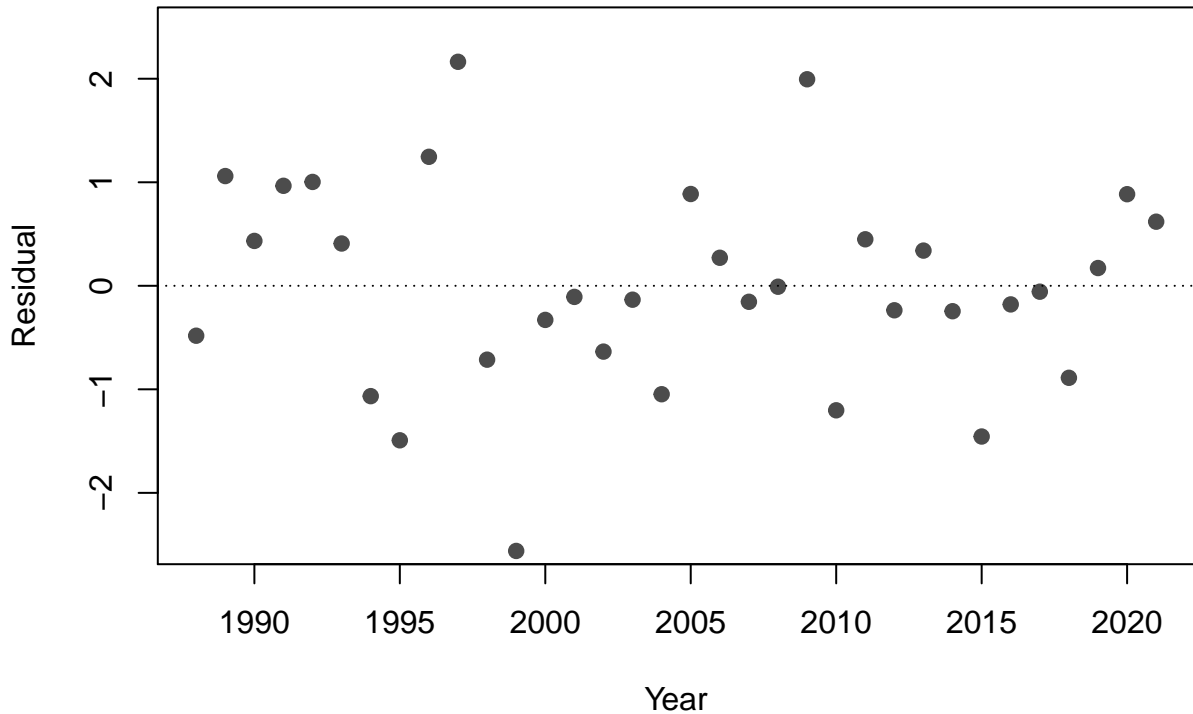
2015

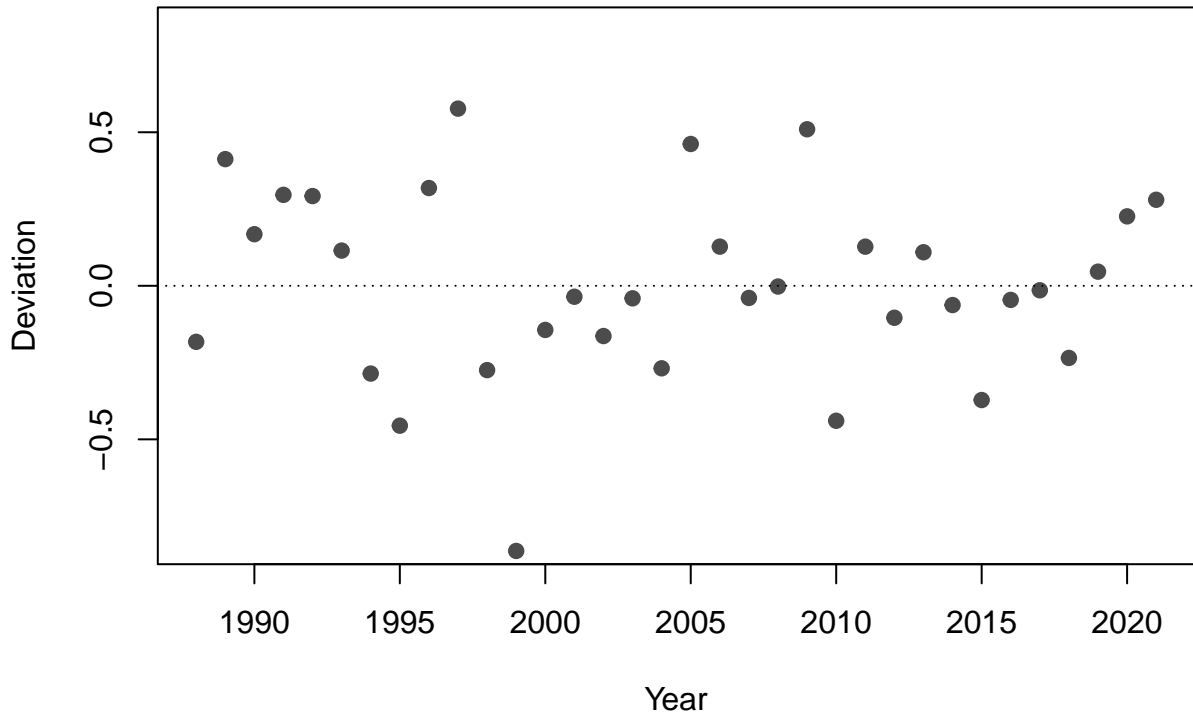
2020

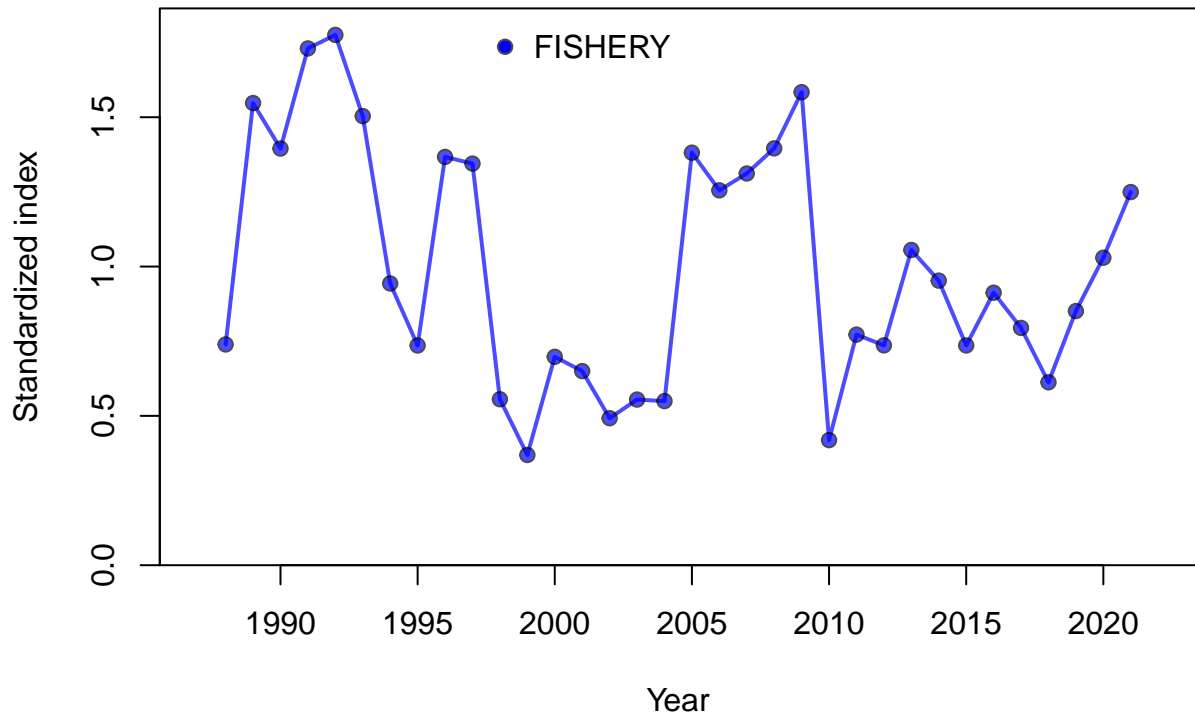
Year



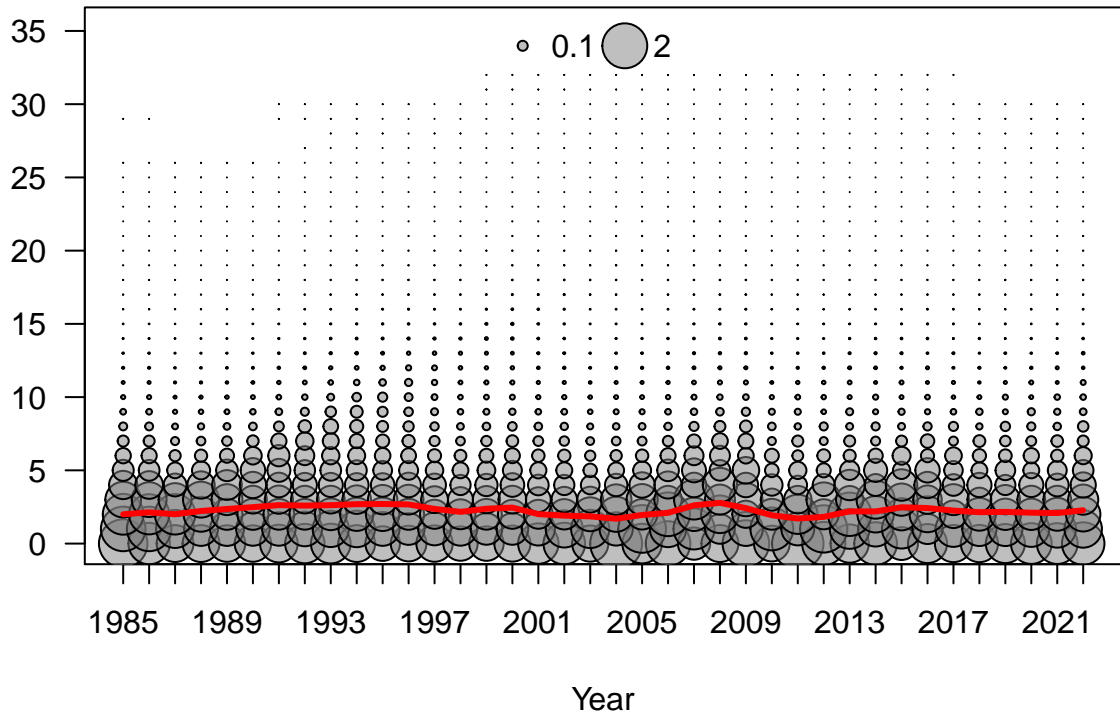




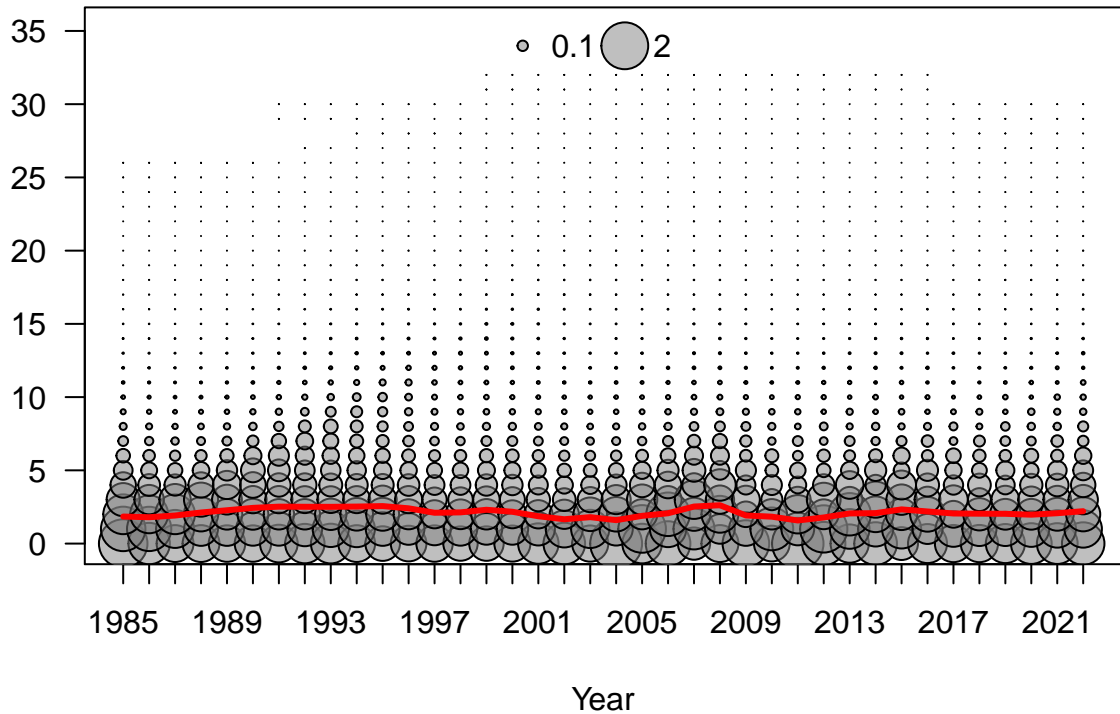


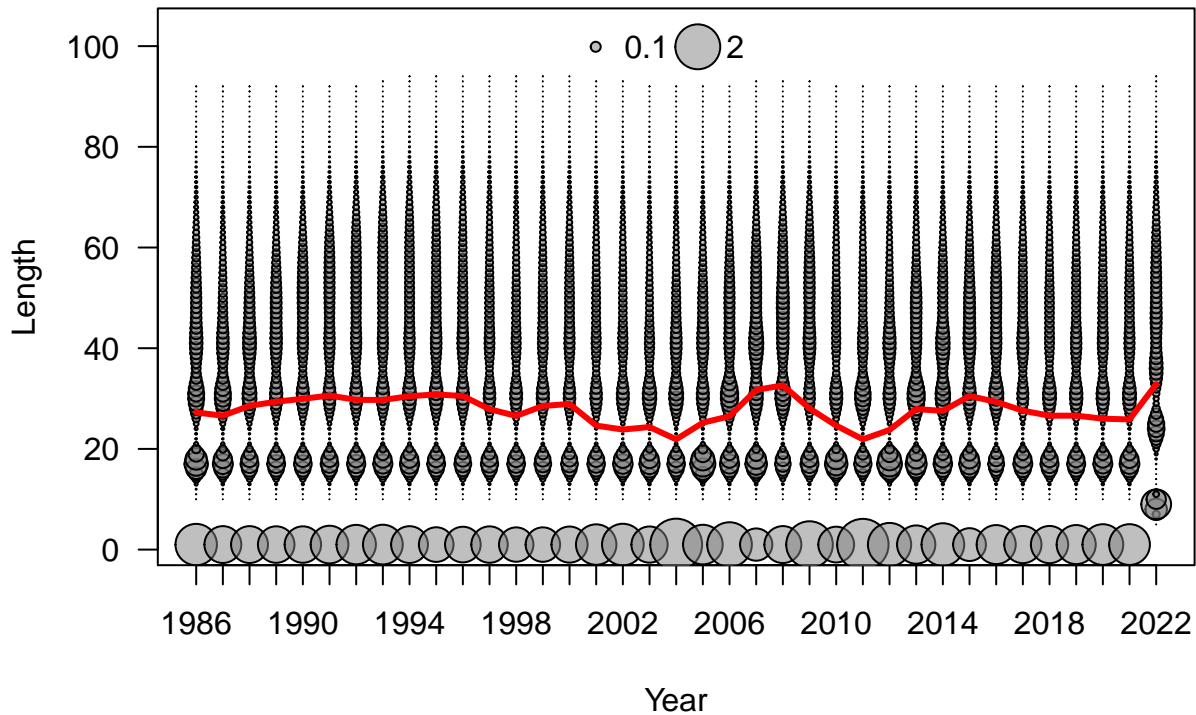


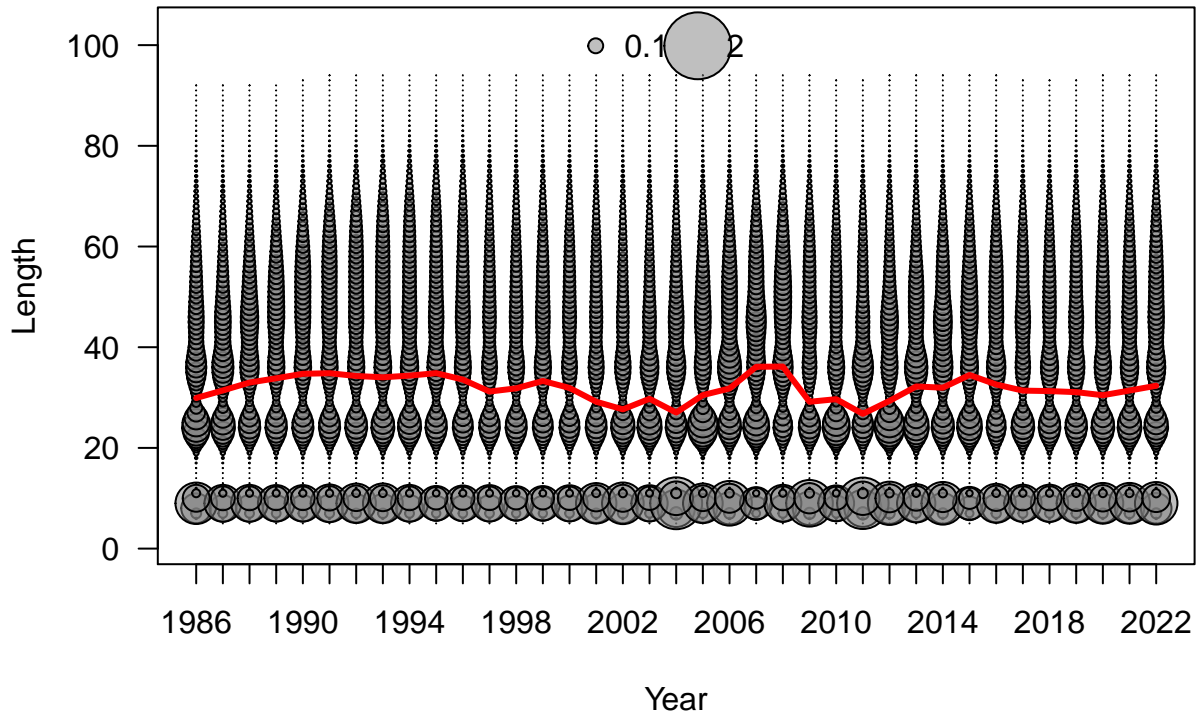
Age

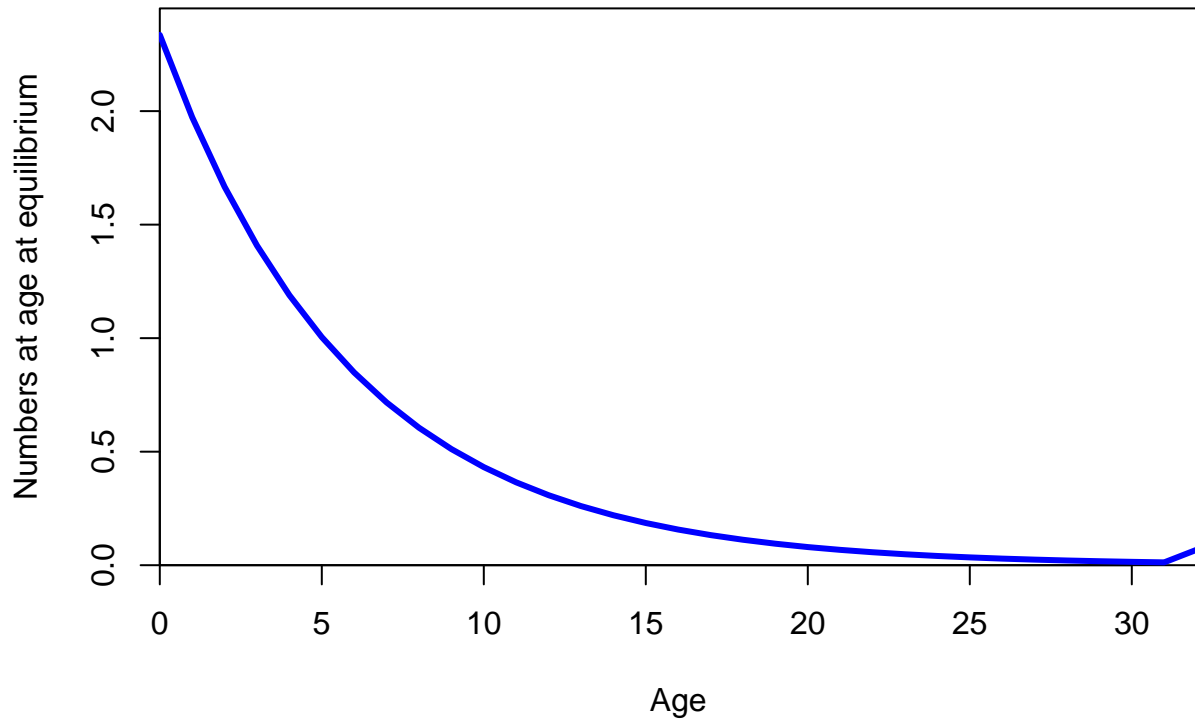


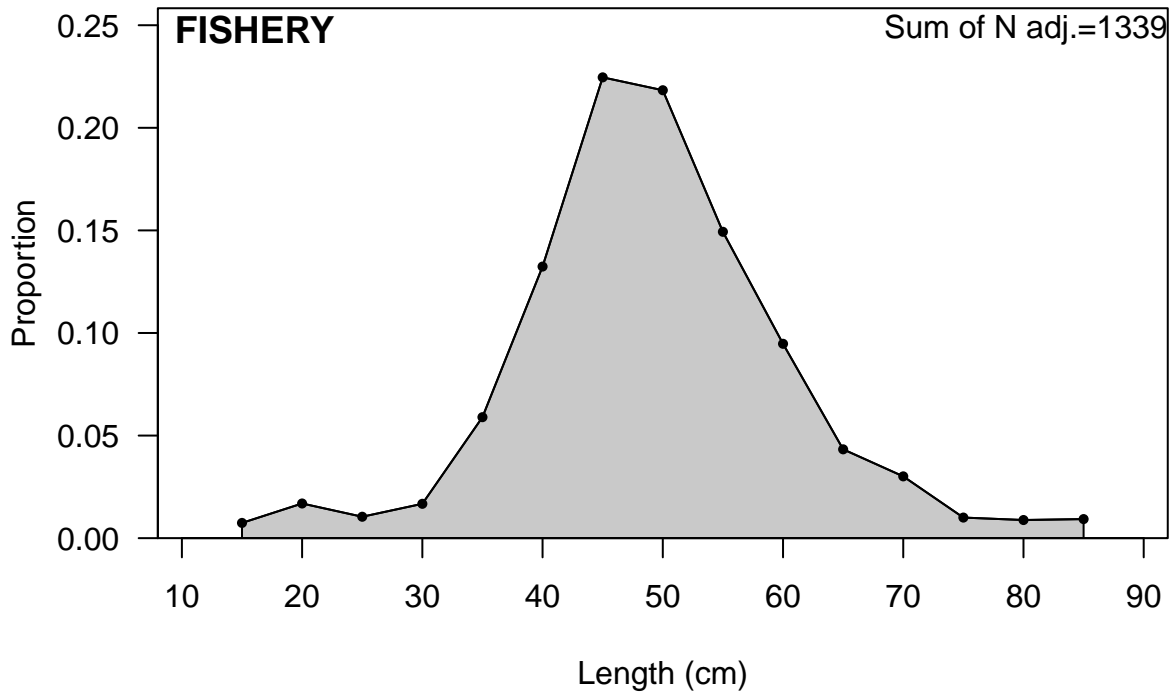
Age





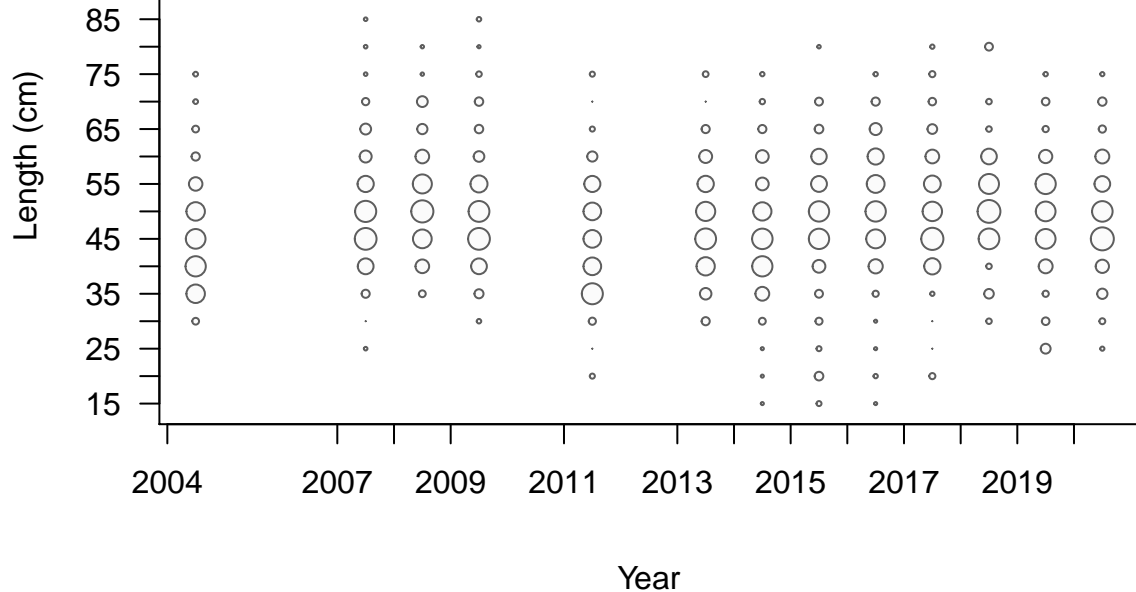




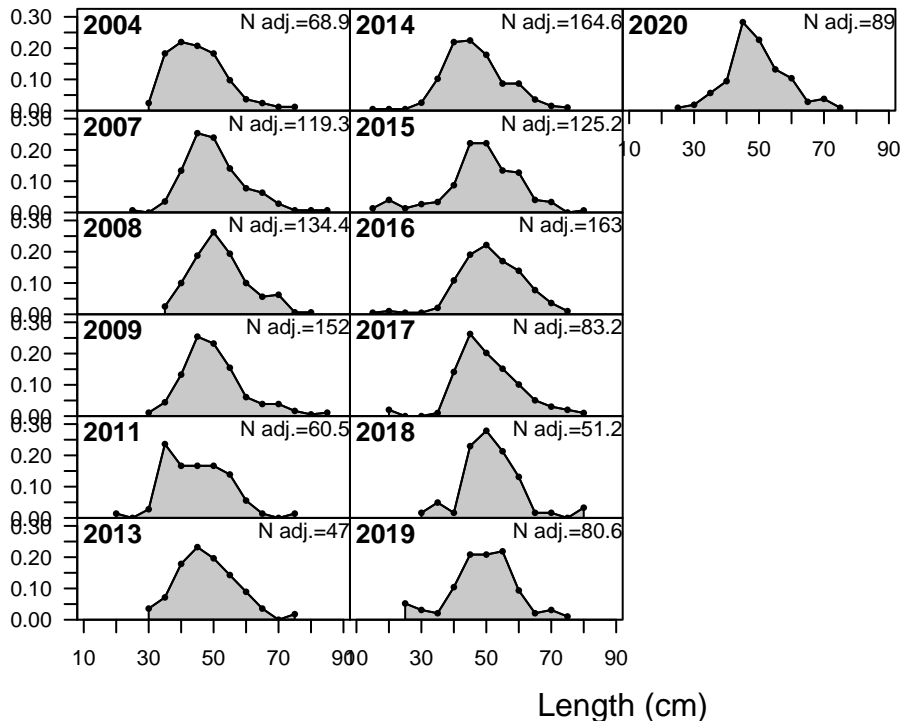


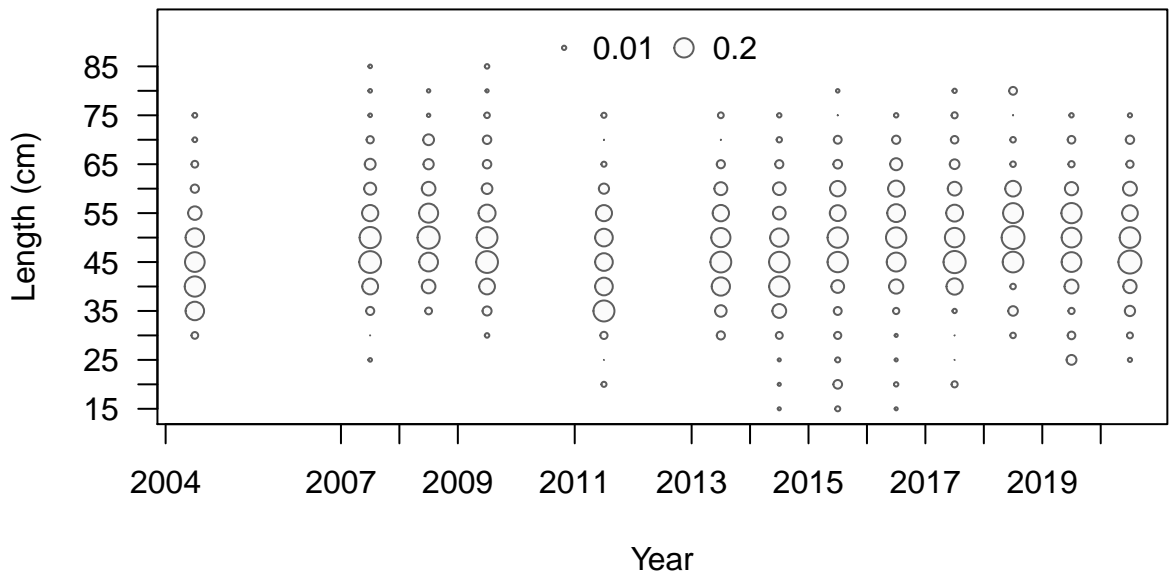
FISHERY

◦ 0.01 ○ 0.2

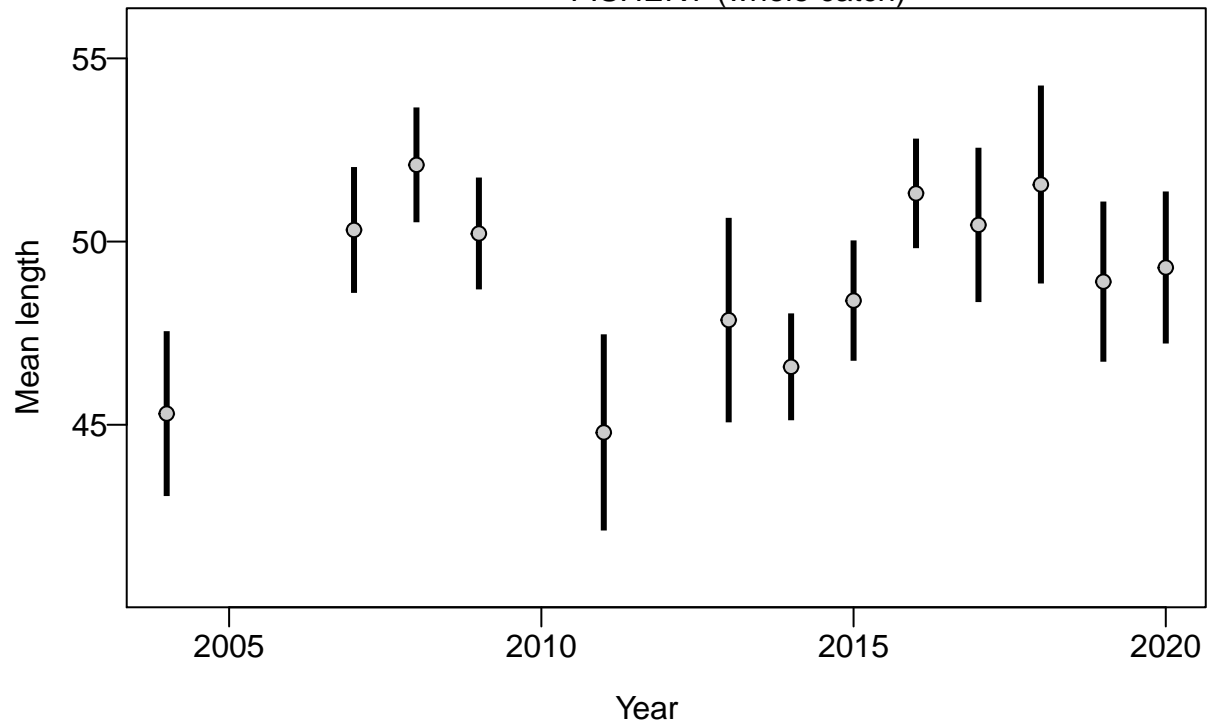


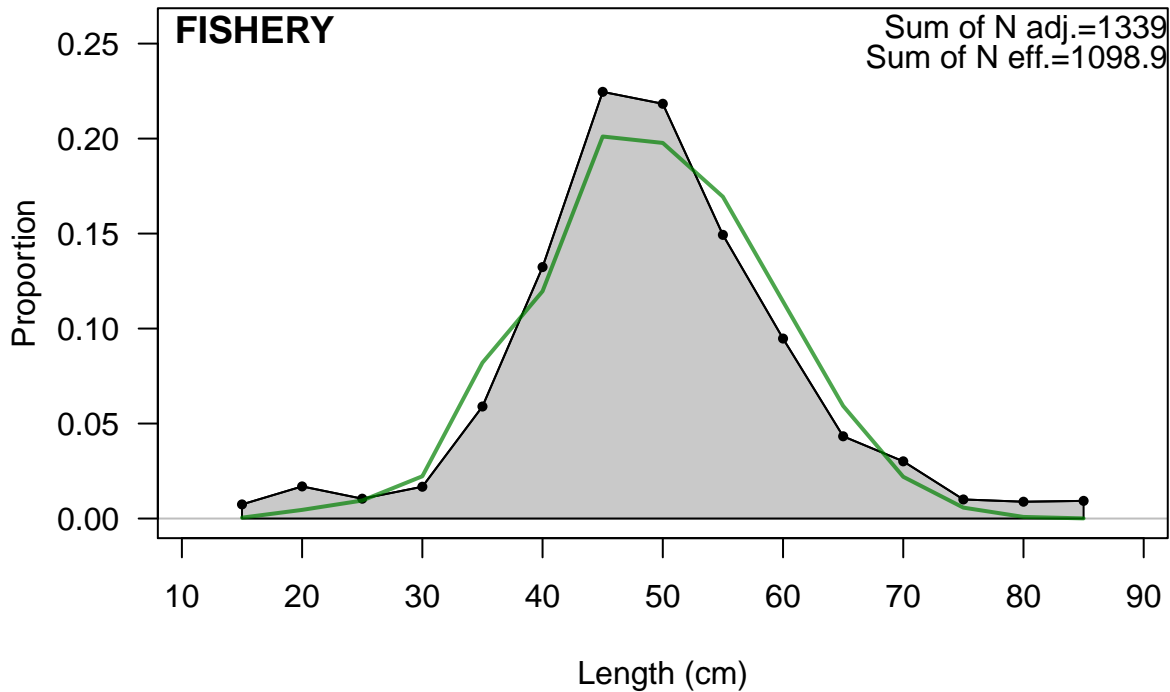
Proportion

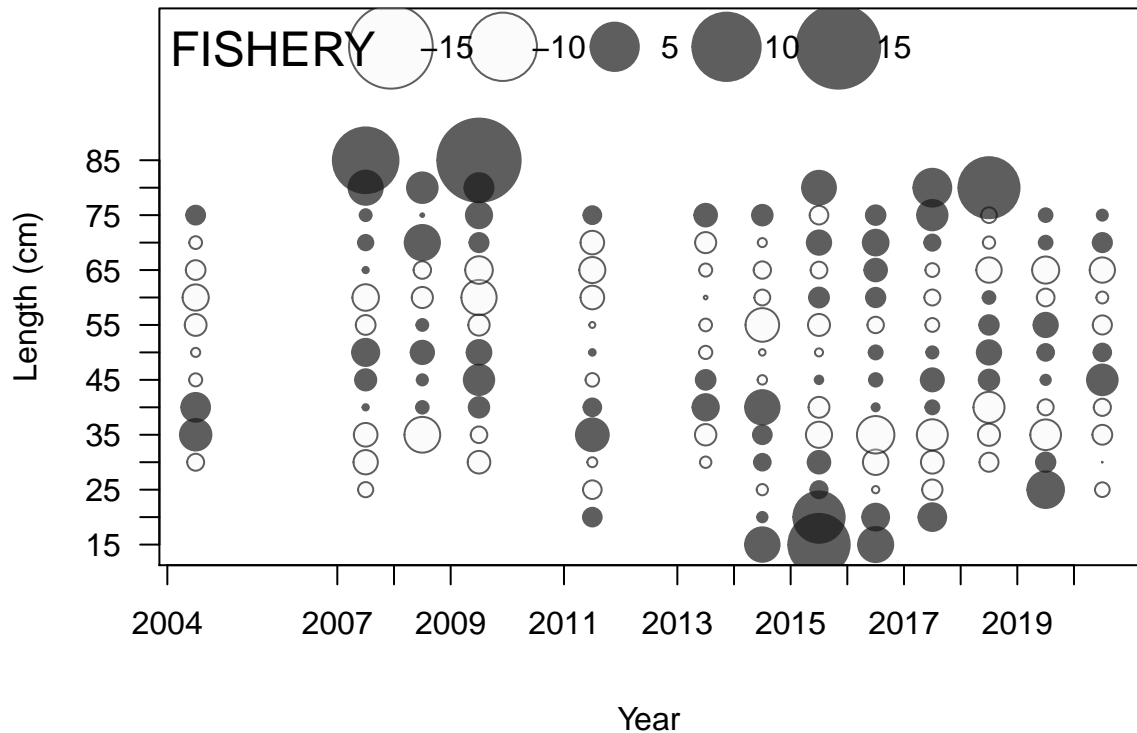


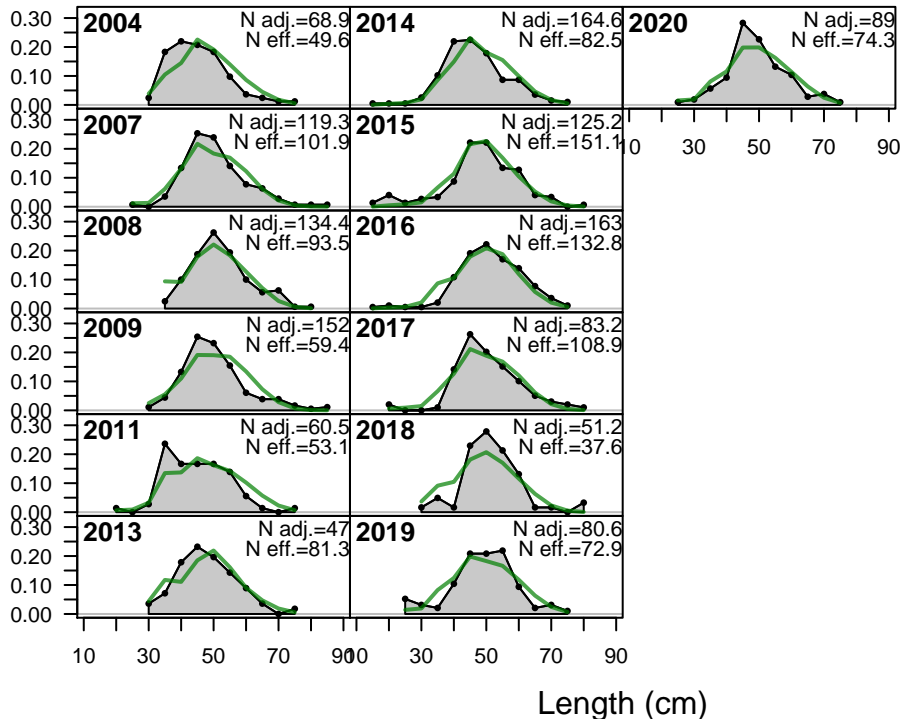


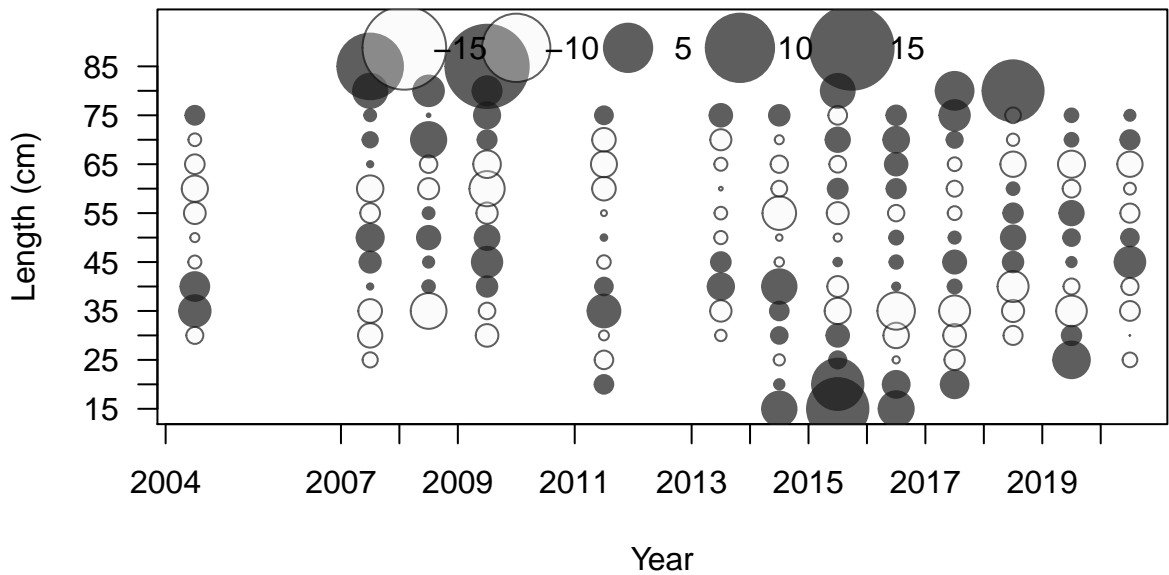
FISHERY (whole catch)



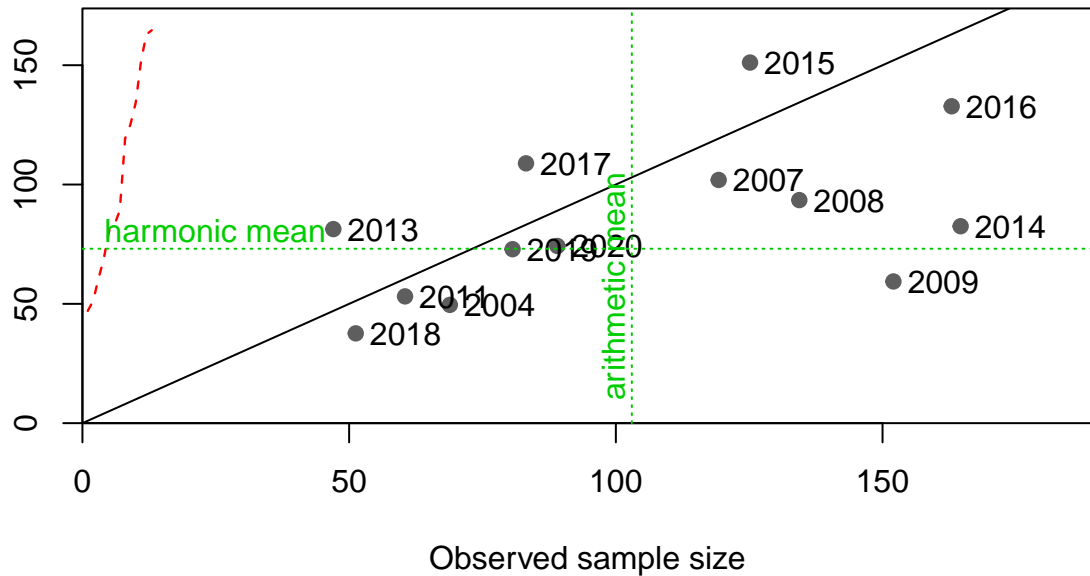




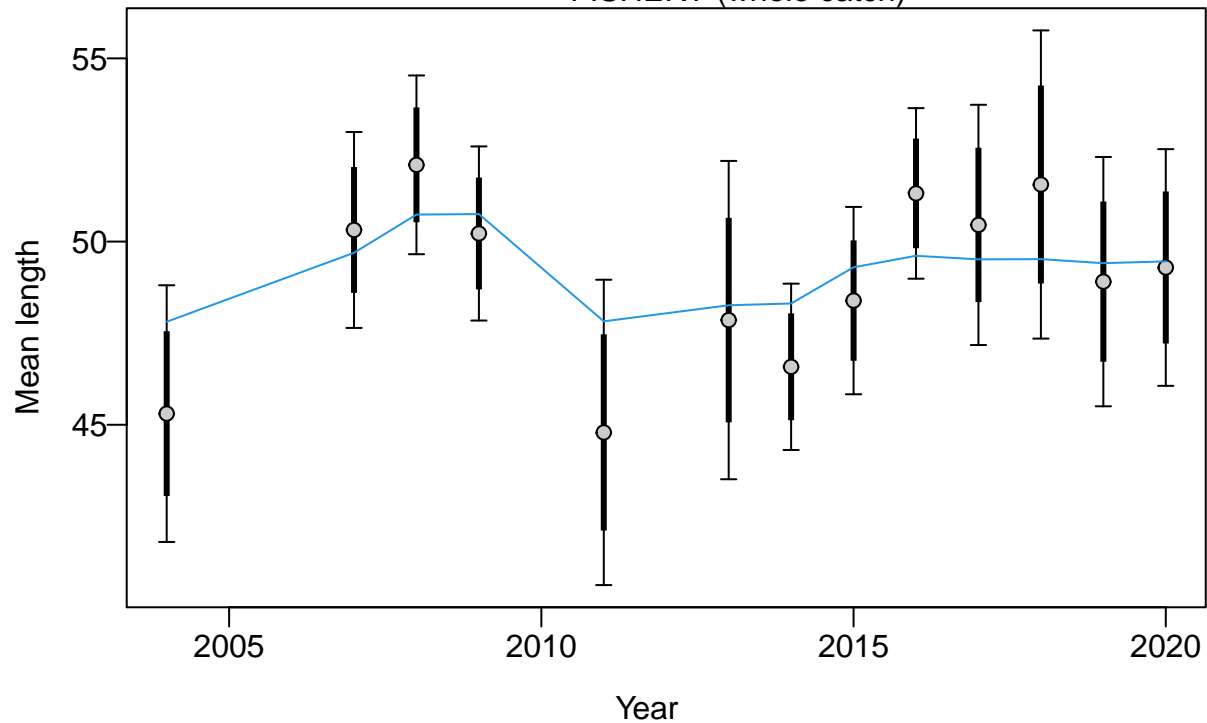


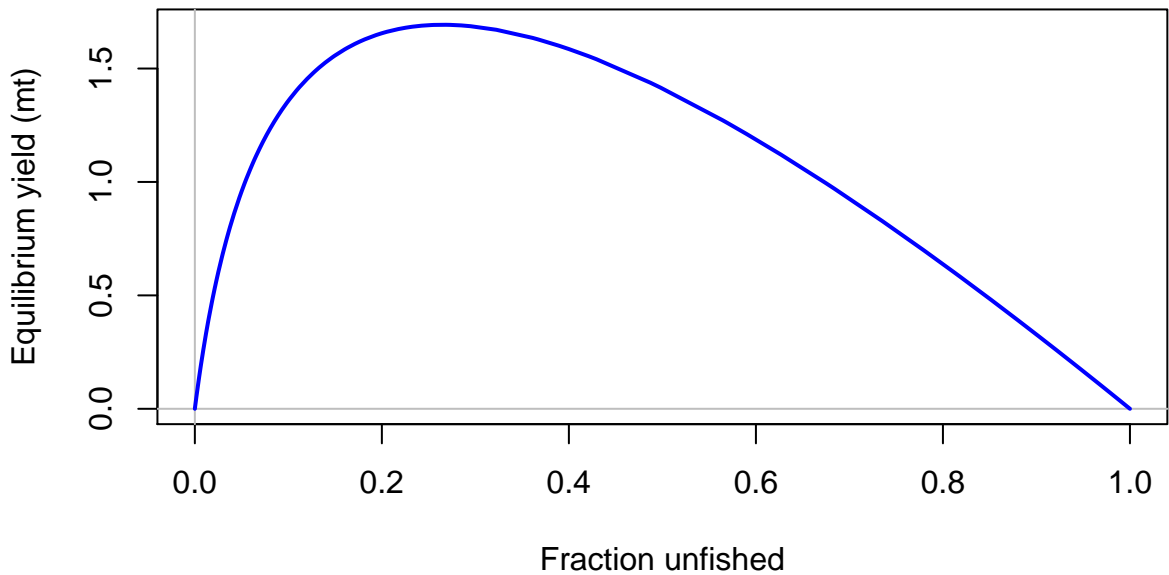


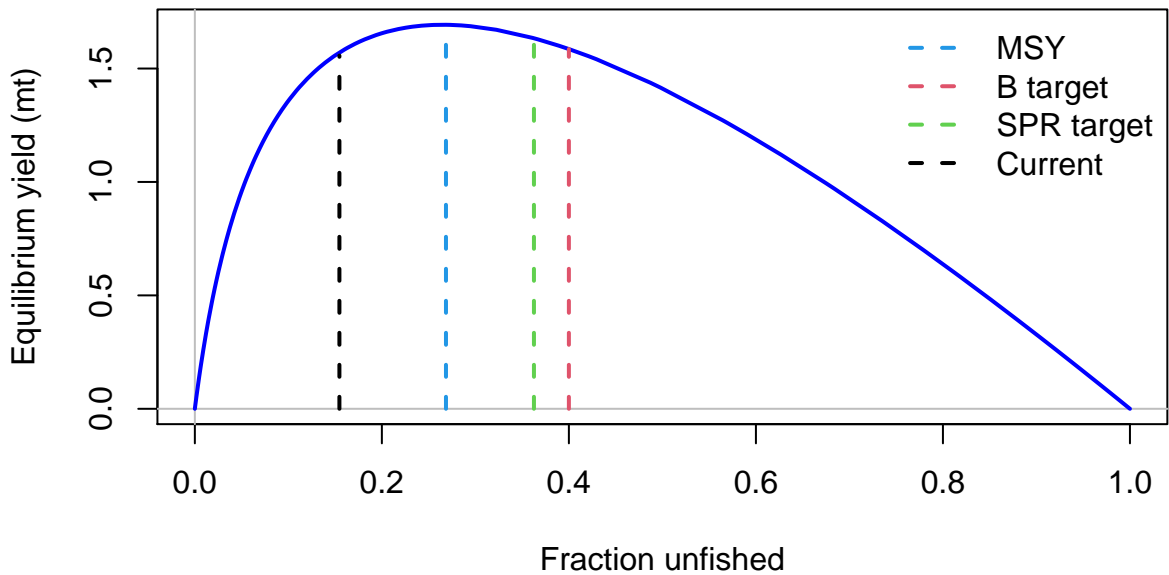
Effective sample size

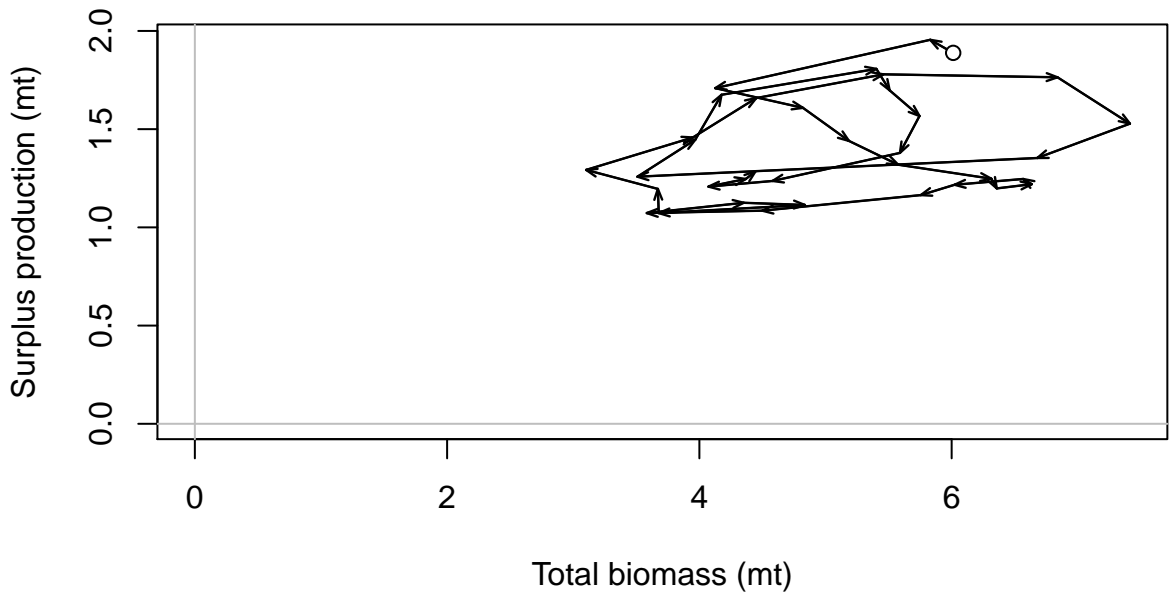


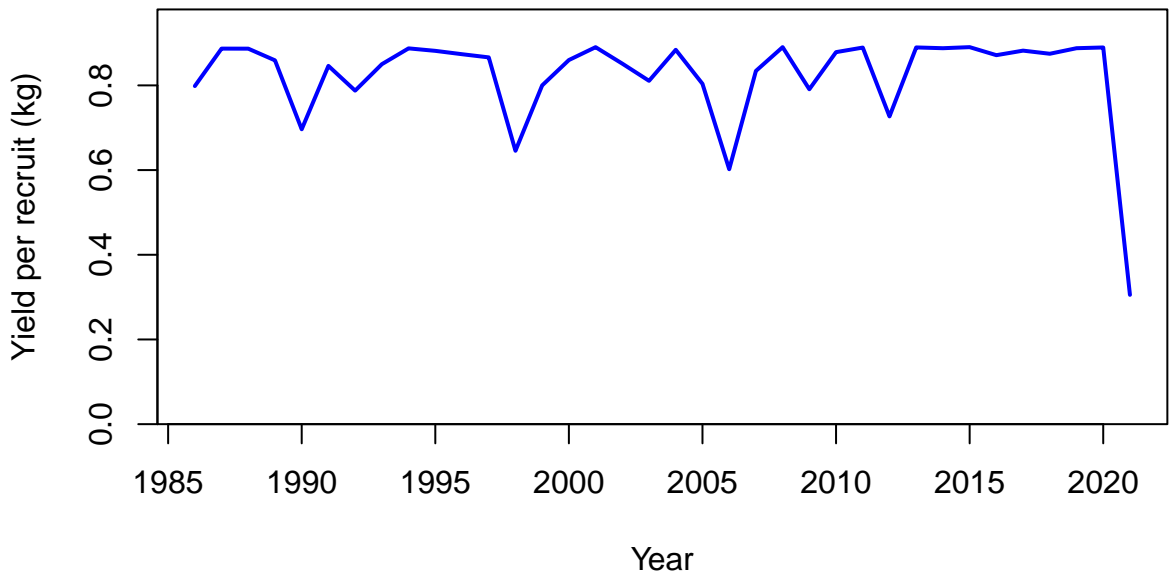
FISHERY (whole catch)

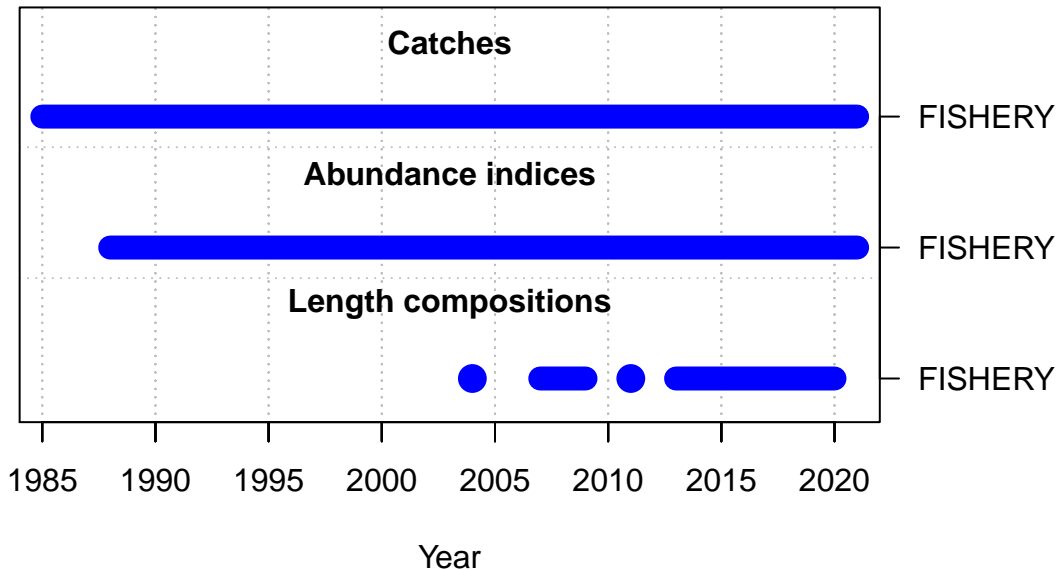


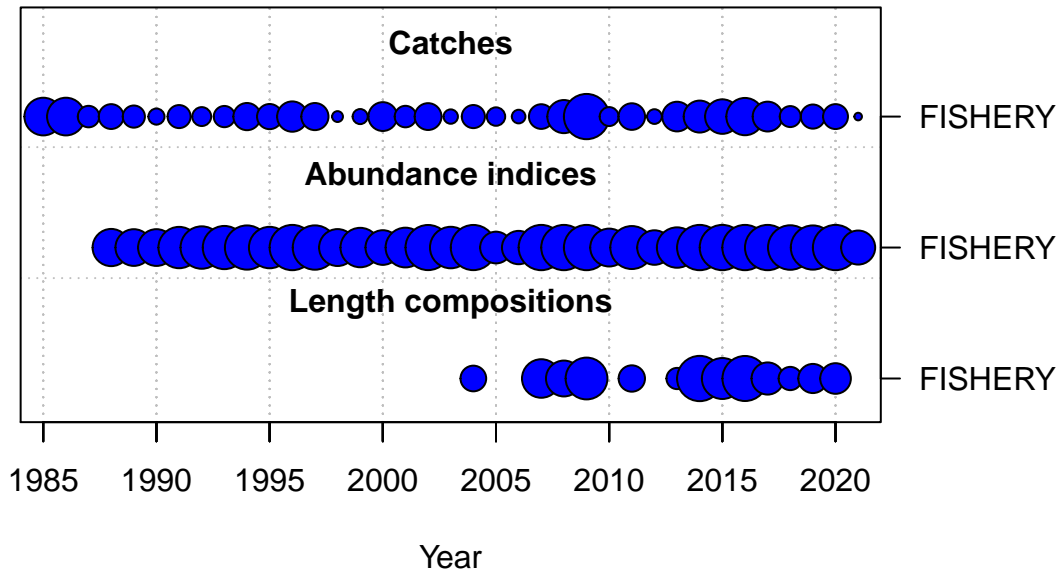








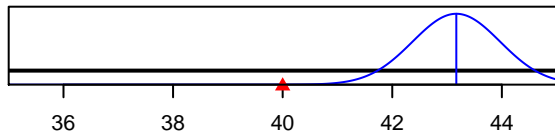




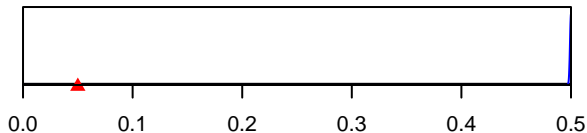
SR_LN(R0)



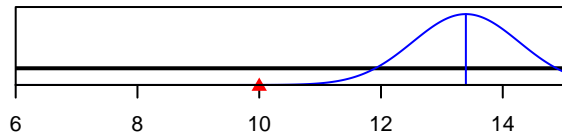
Size_inflection_FISHERY(1)



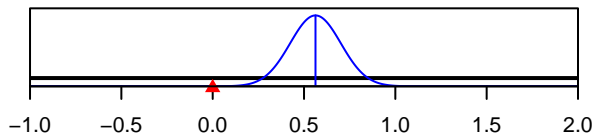
InitF_seas_1_flt_1FISHERY



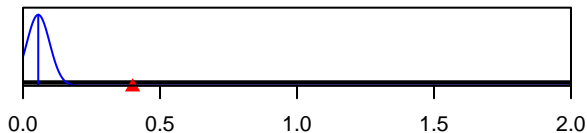
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



Q_extraSD_FISHERY(1)



Parameter value