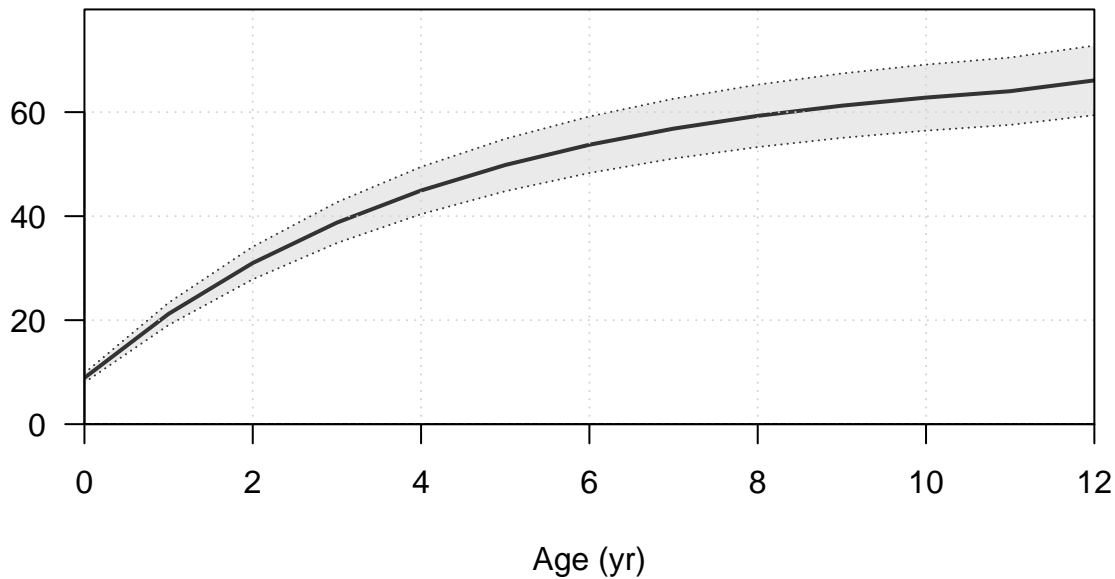
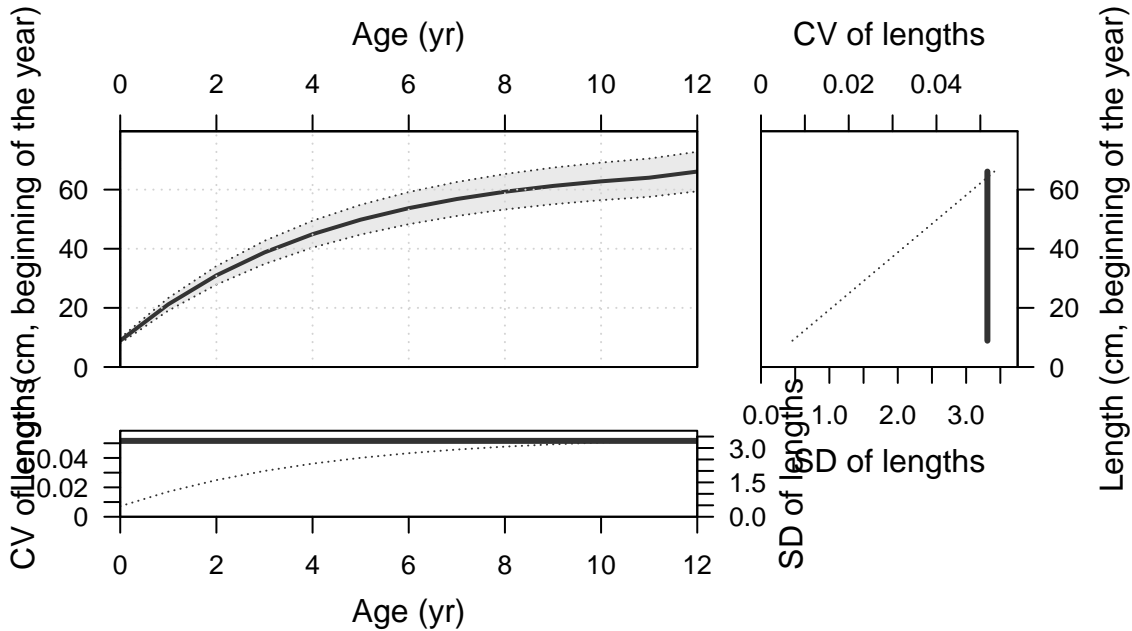
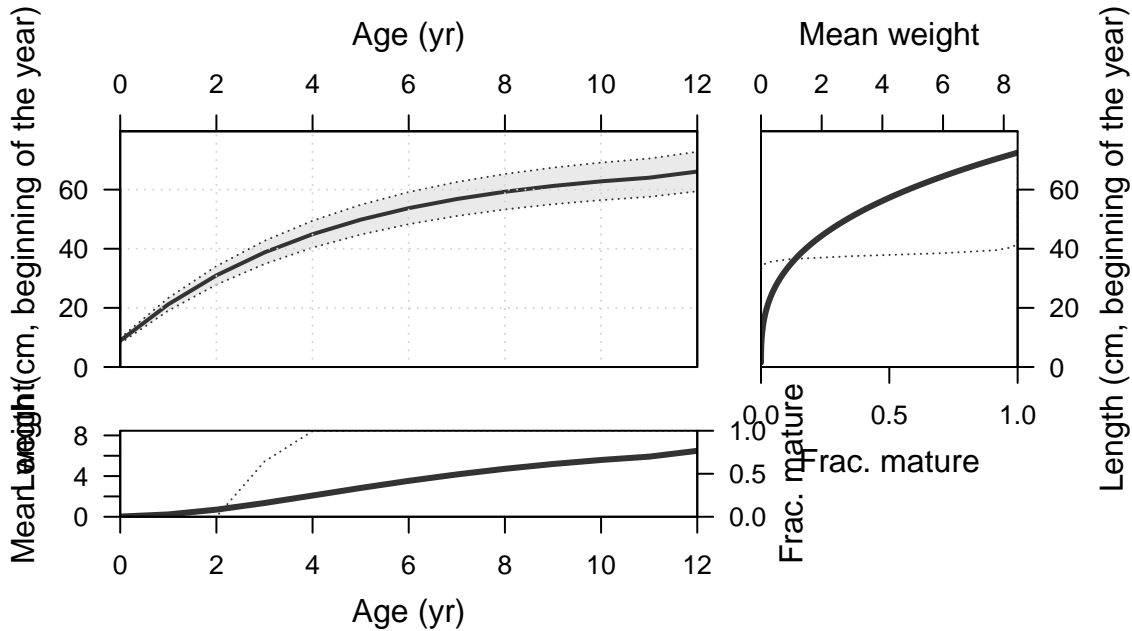


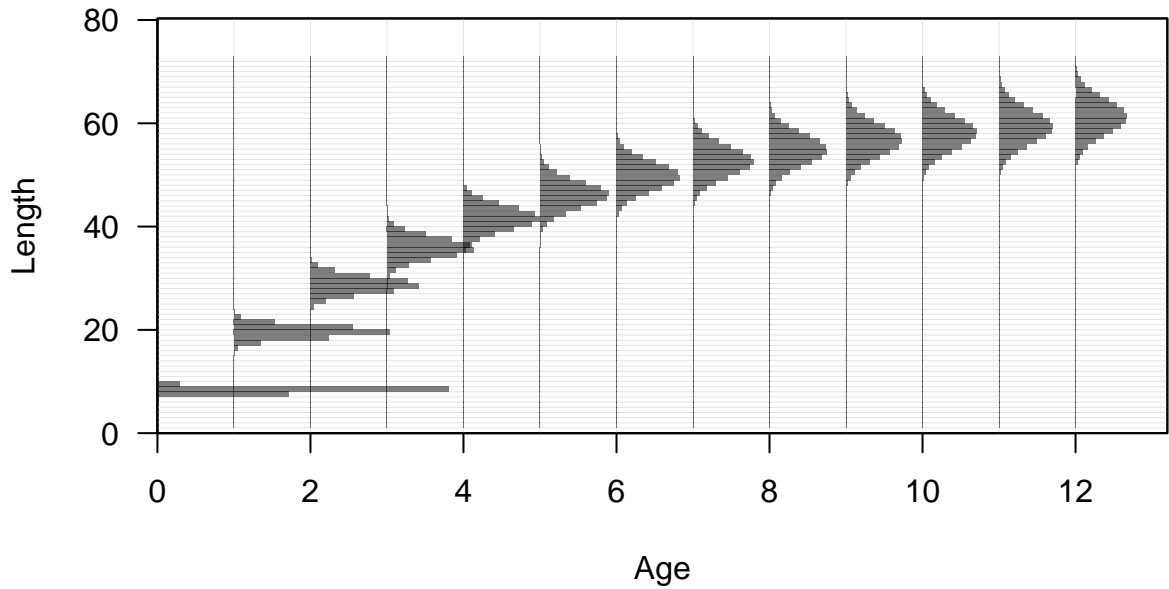
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Feb 14 14:18:42 2023
Data_File: data.ss
Control_File: control.ss

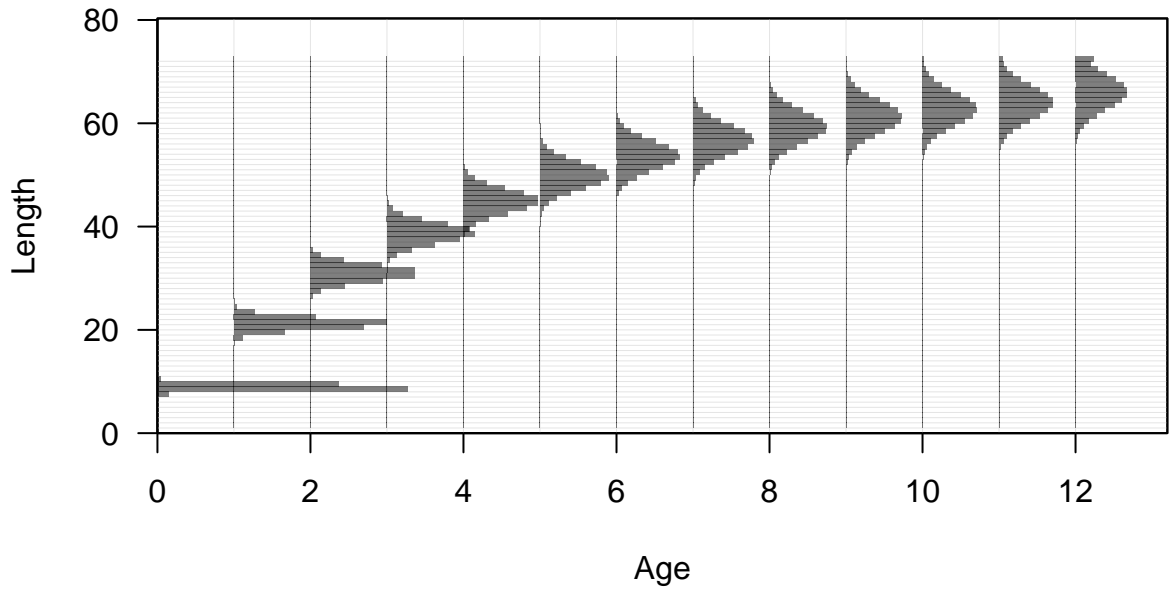
Length (cm, beginning of the year)

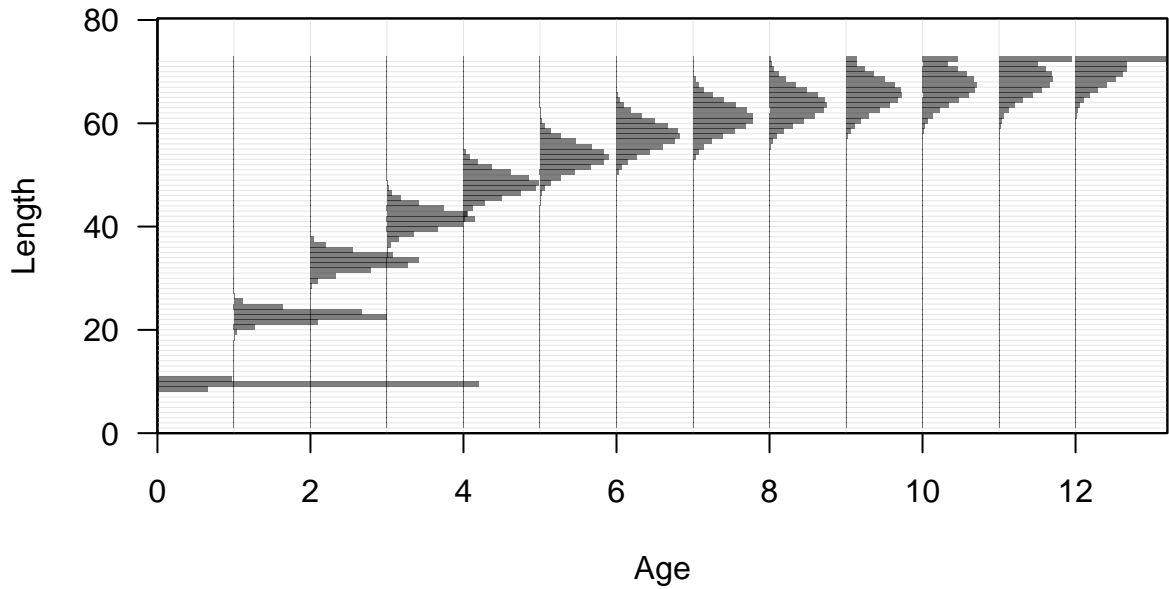


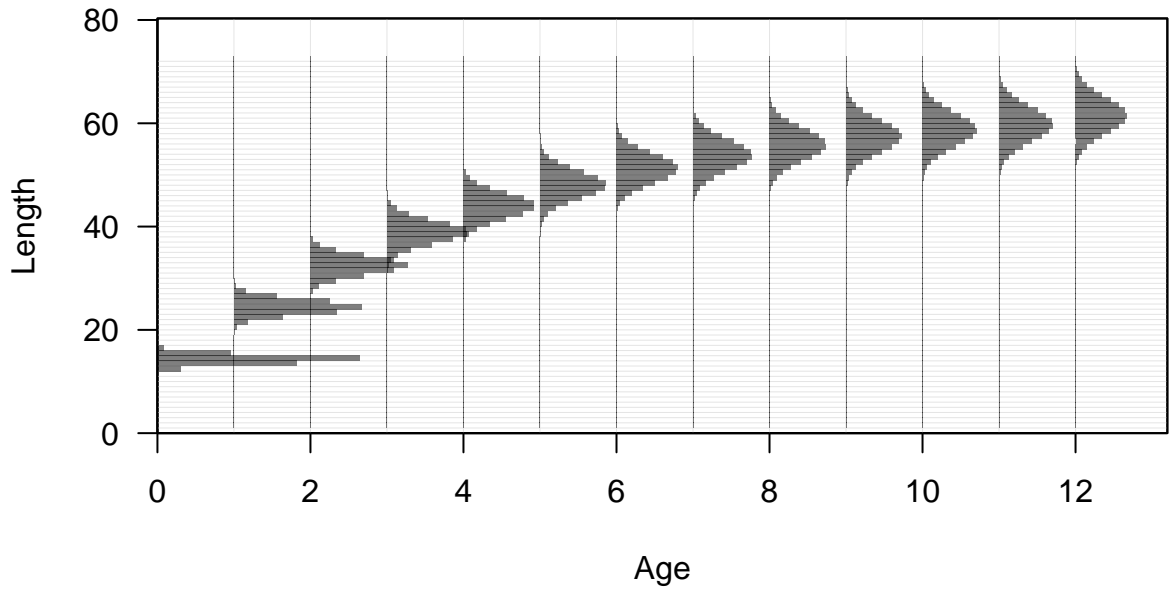


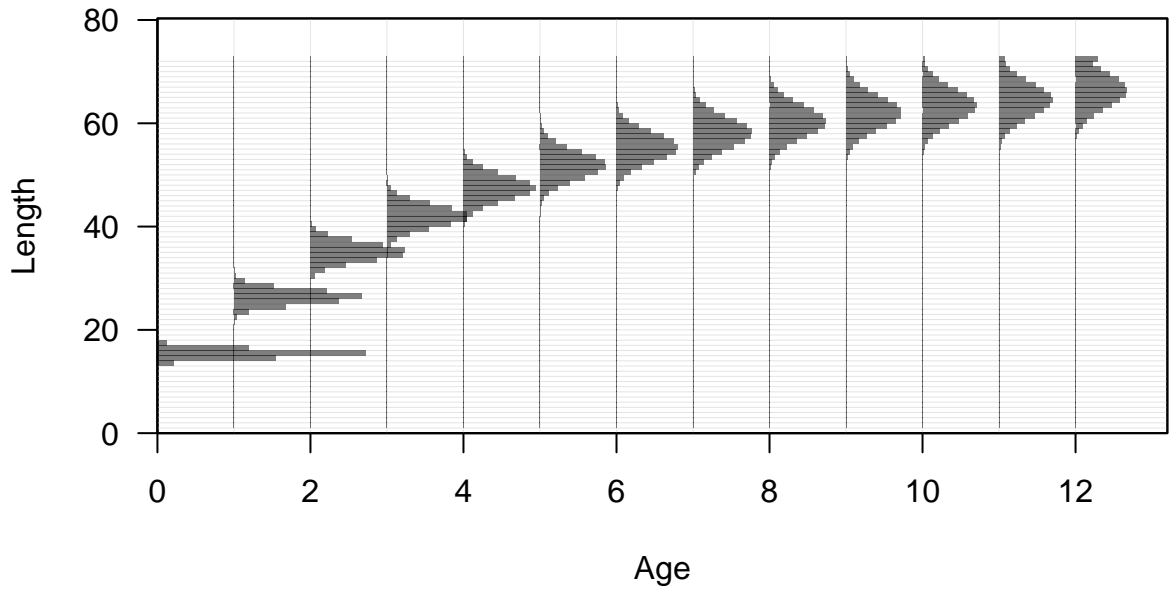


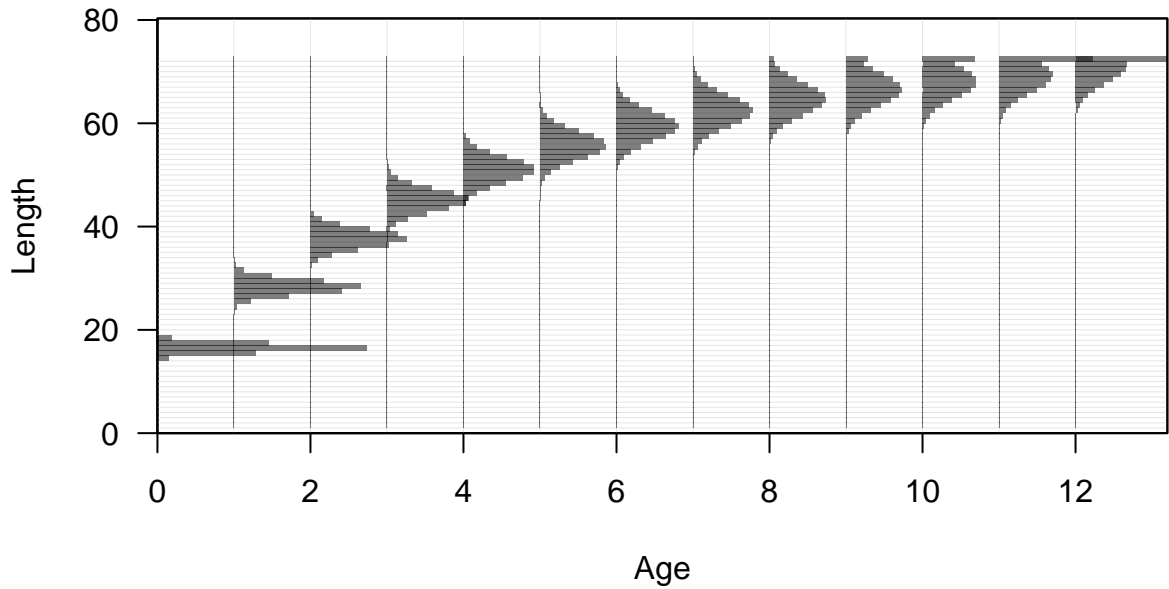


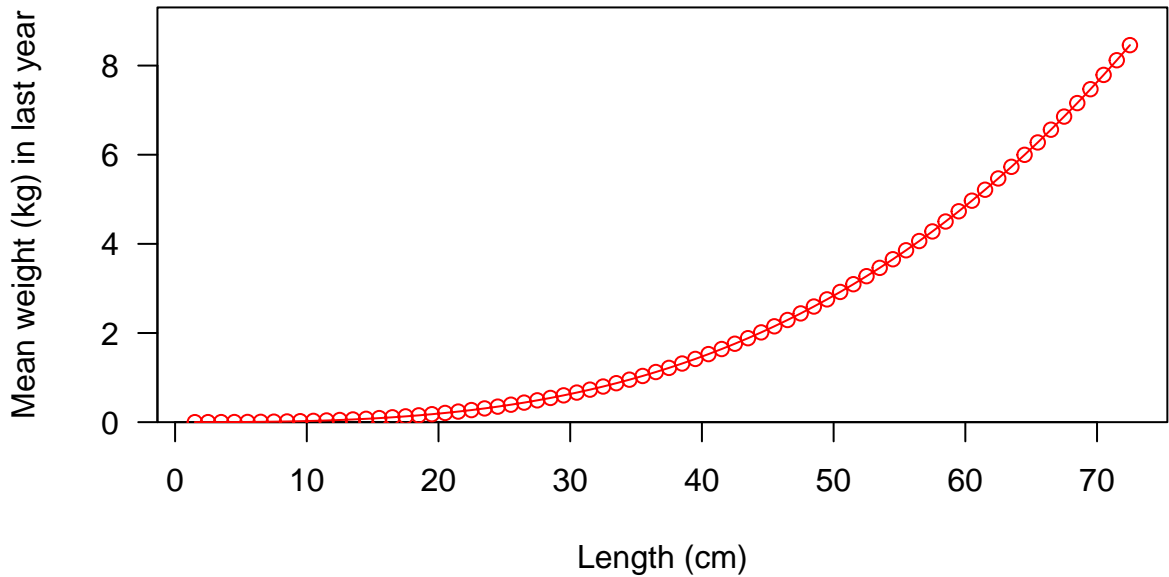


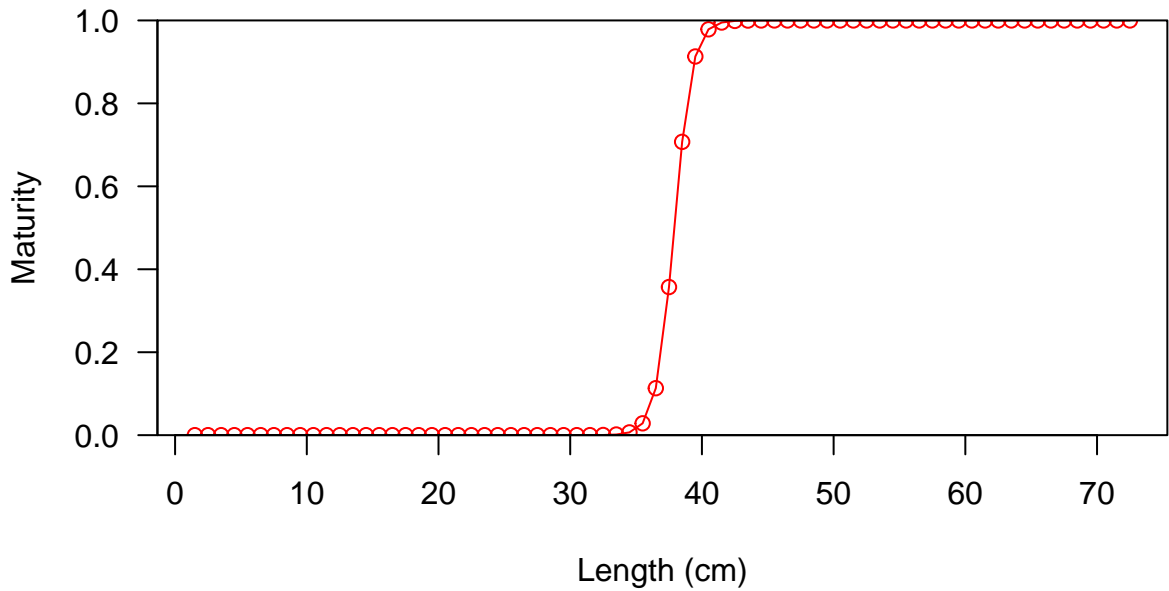


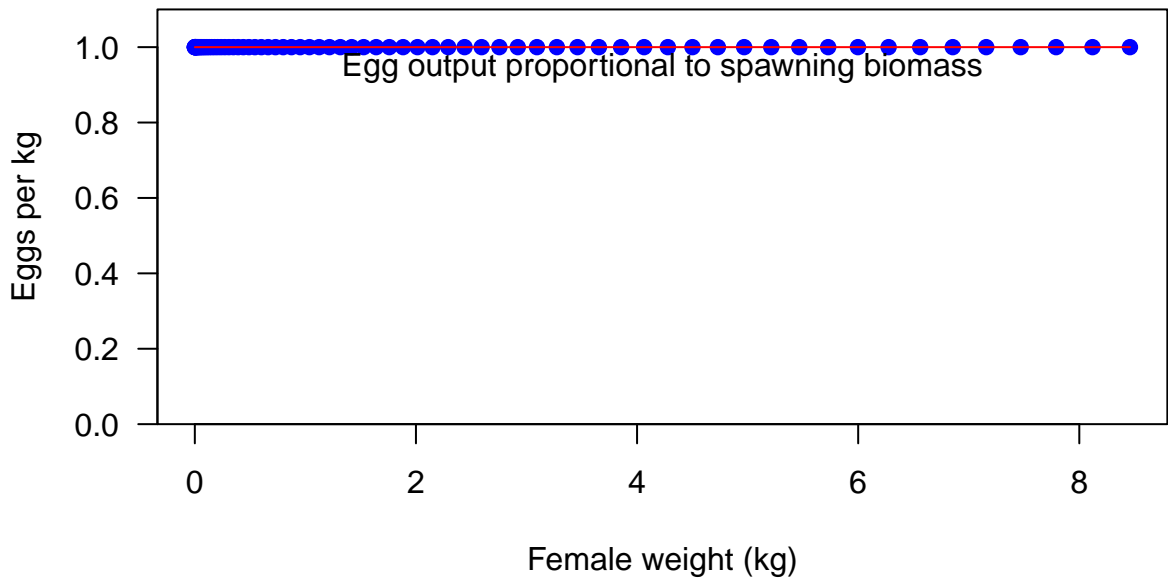




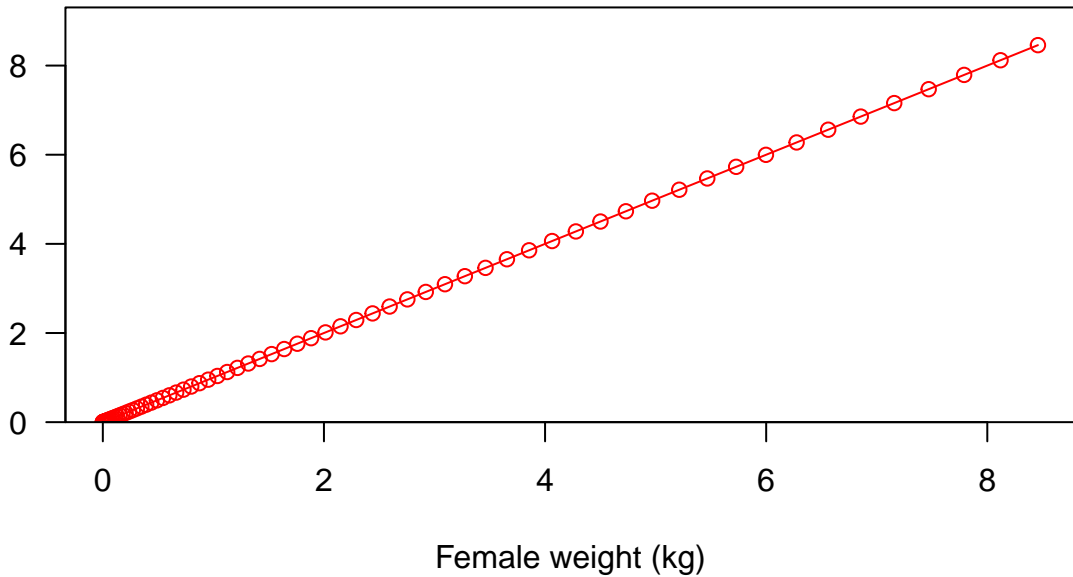




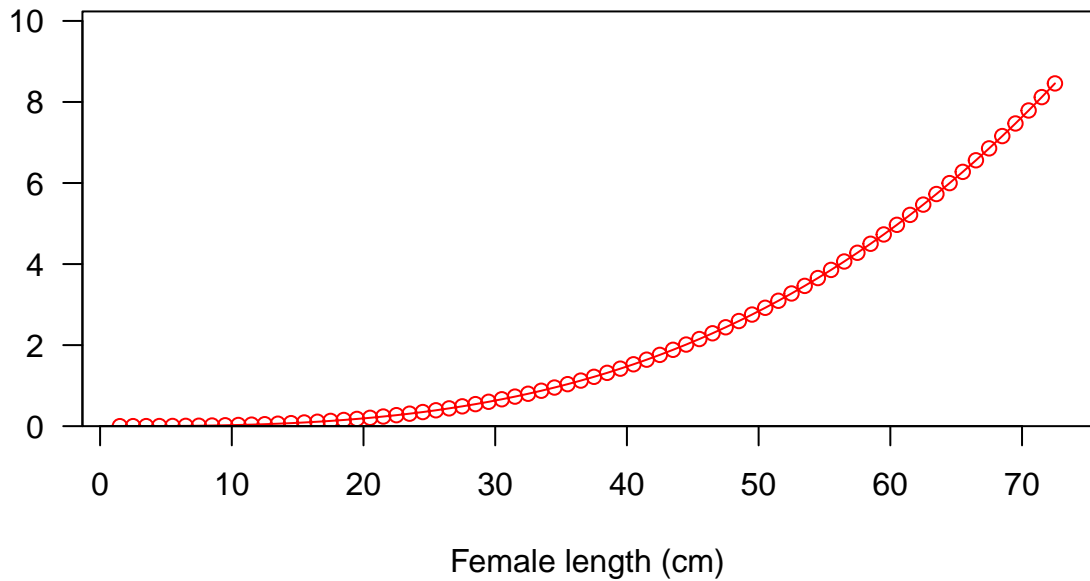




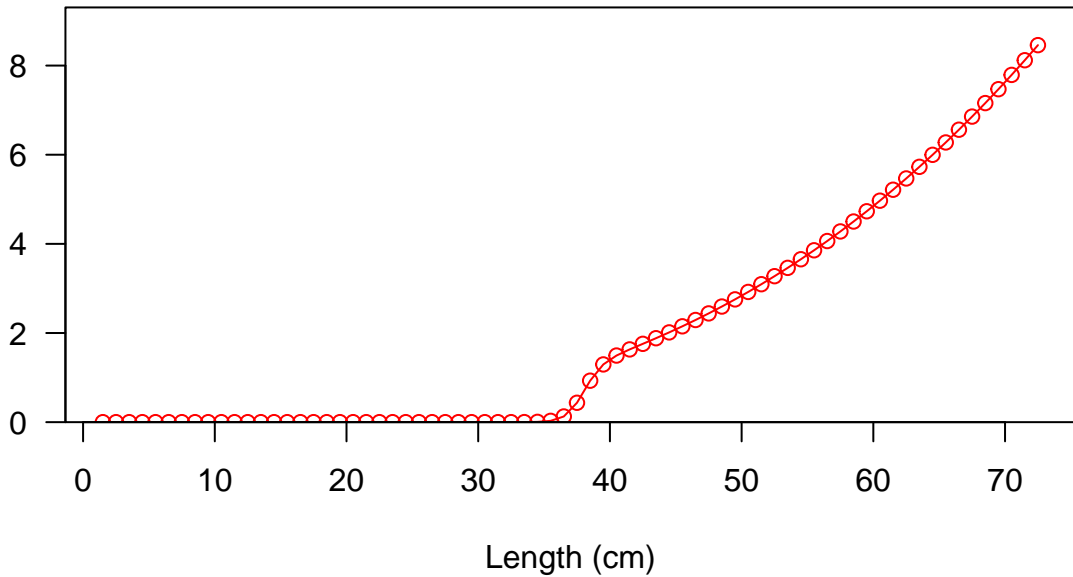
Fecundity



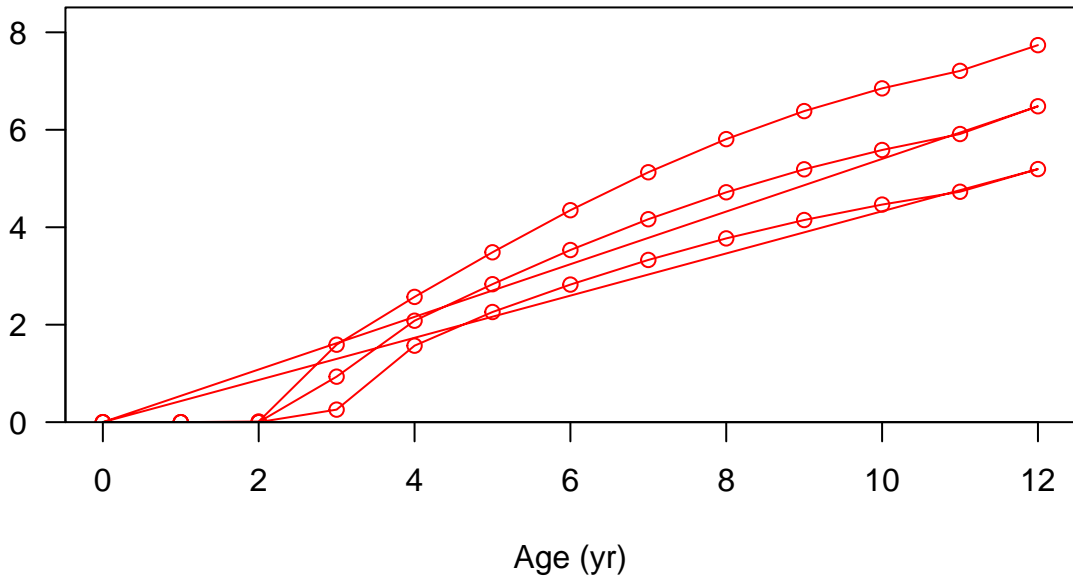
Fecundity



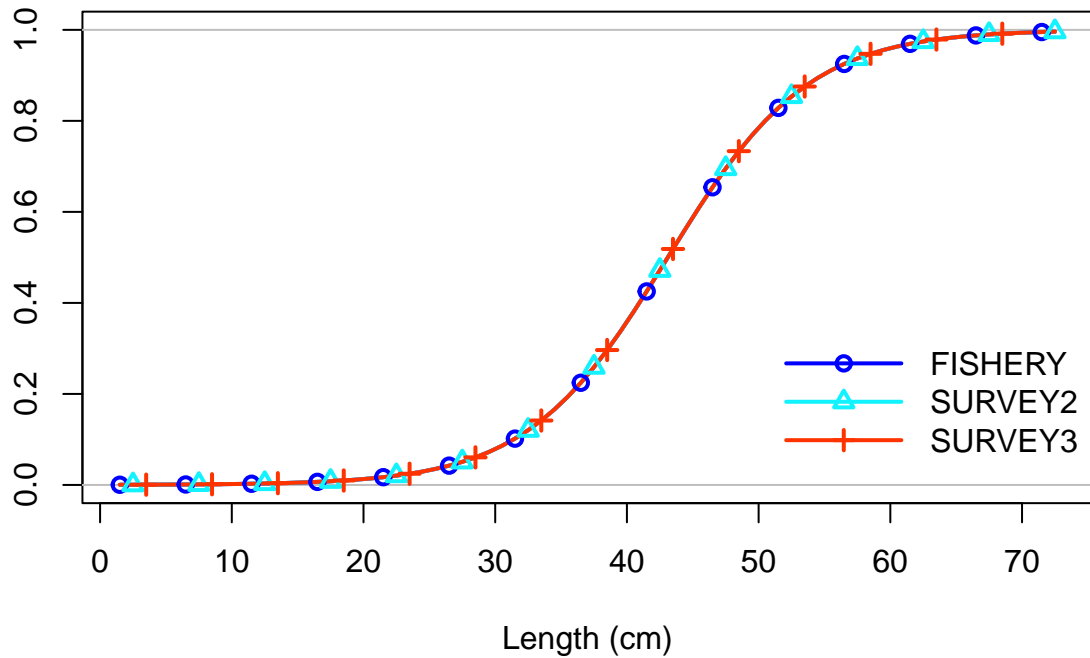
Spawning output



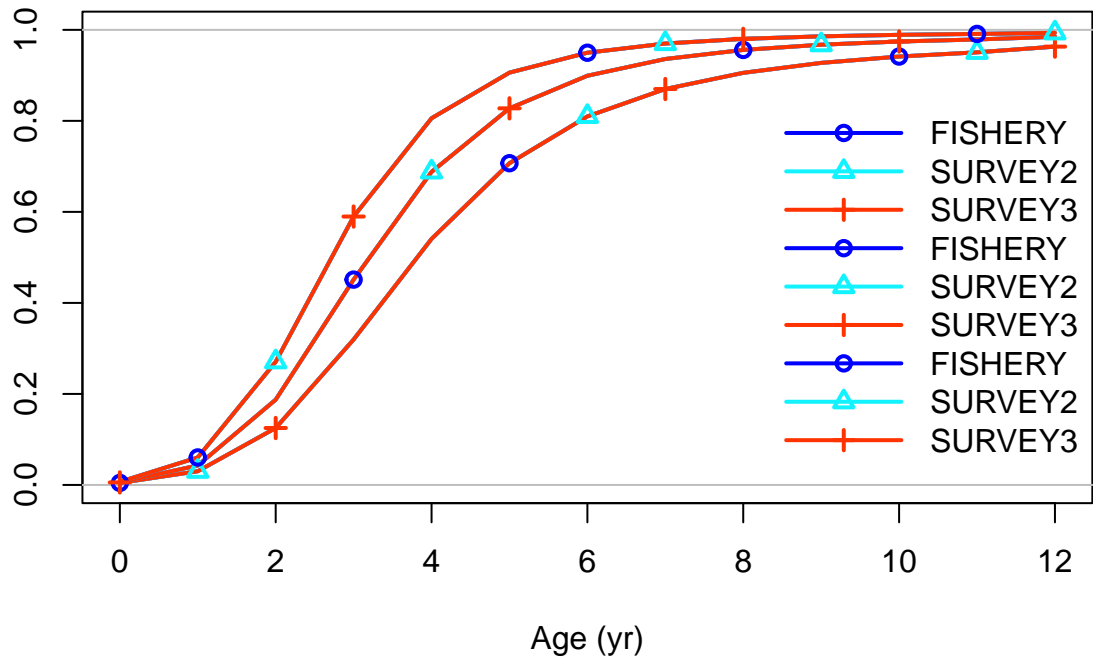
Spawning output



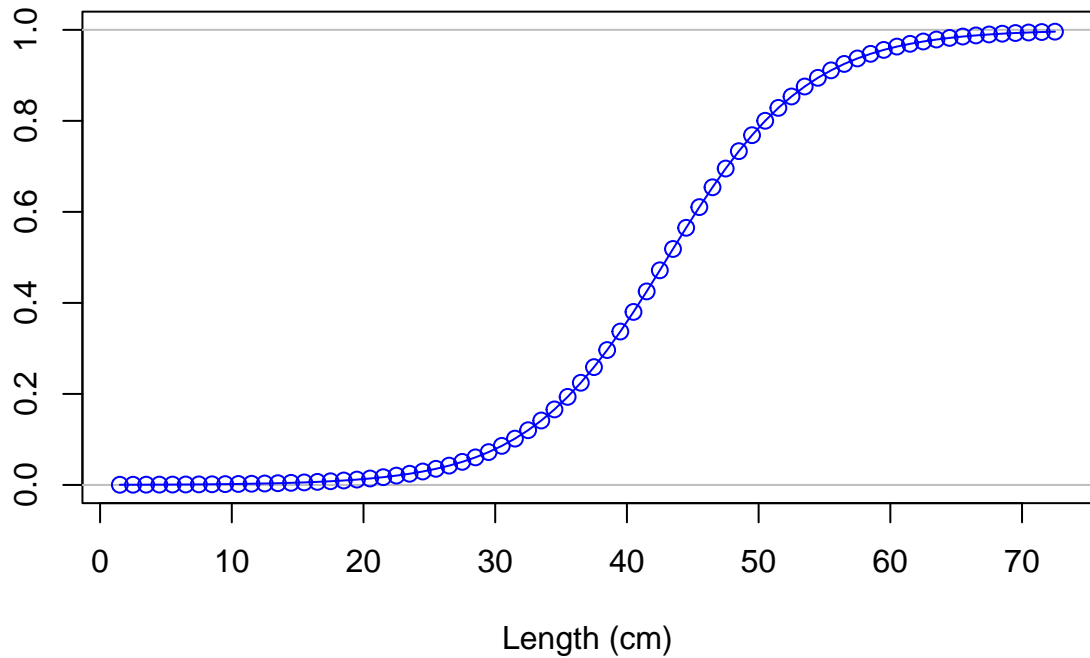
Selectivity



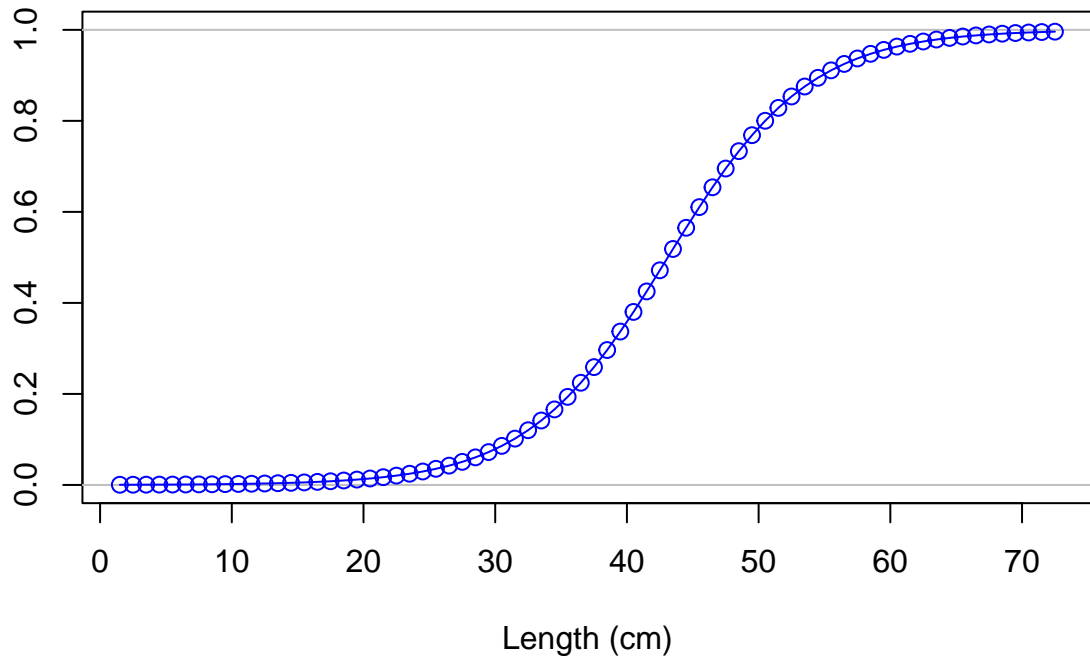
Selectivity



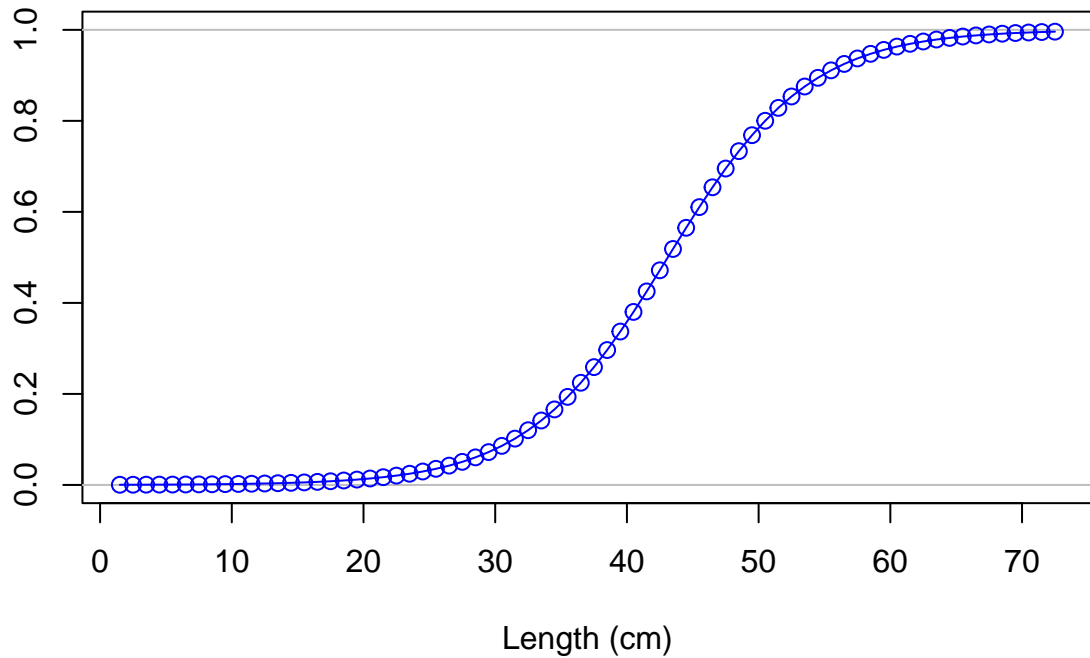
Selectivity

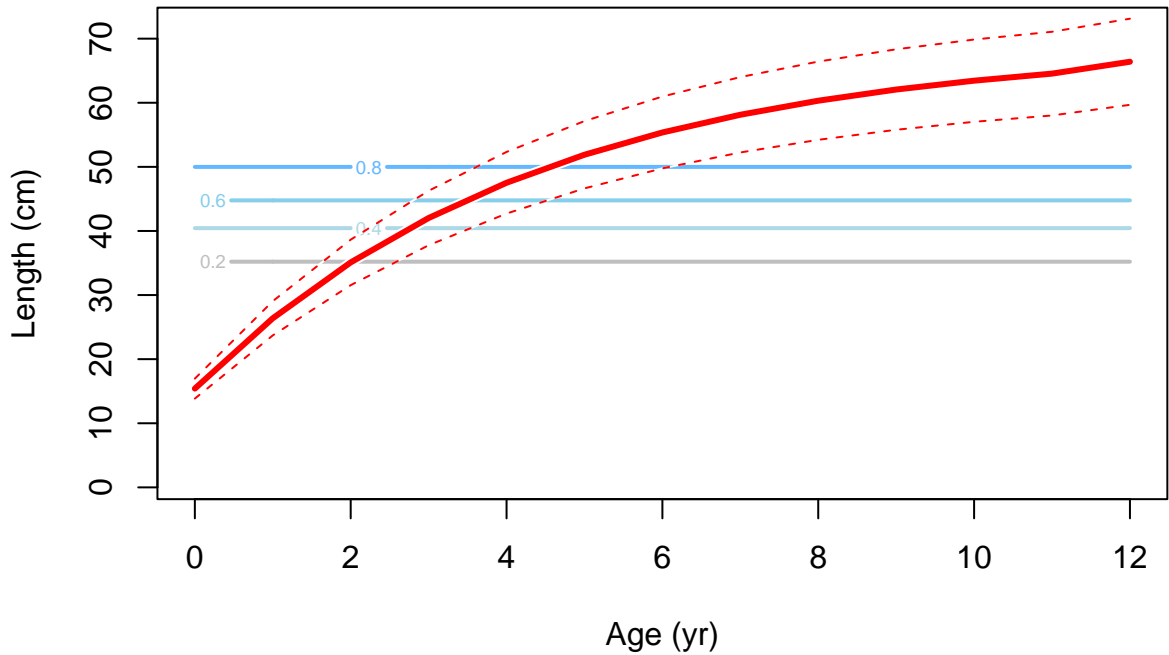


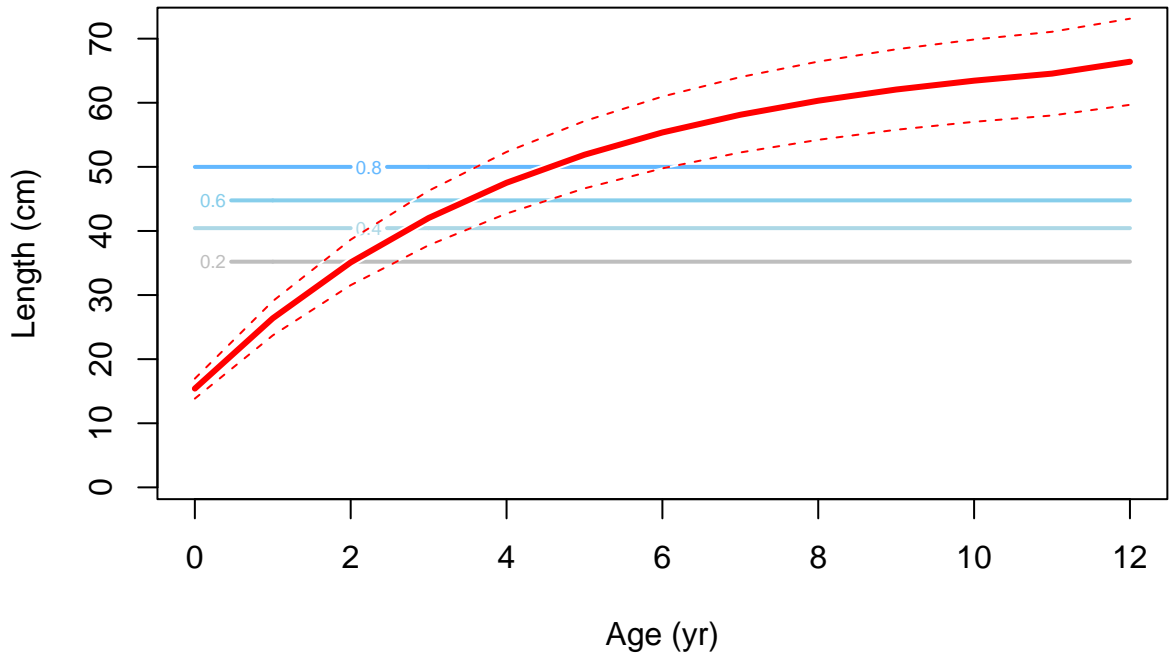
Selectivity

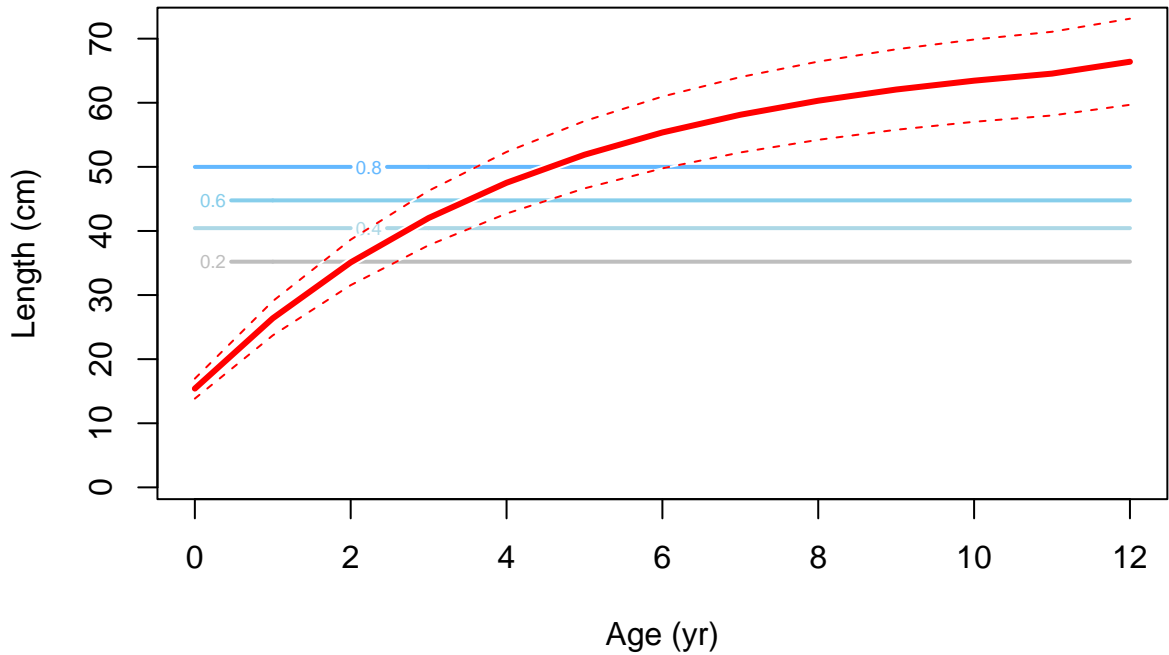


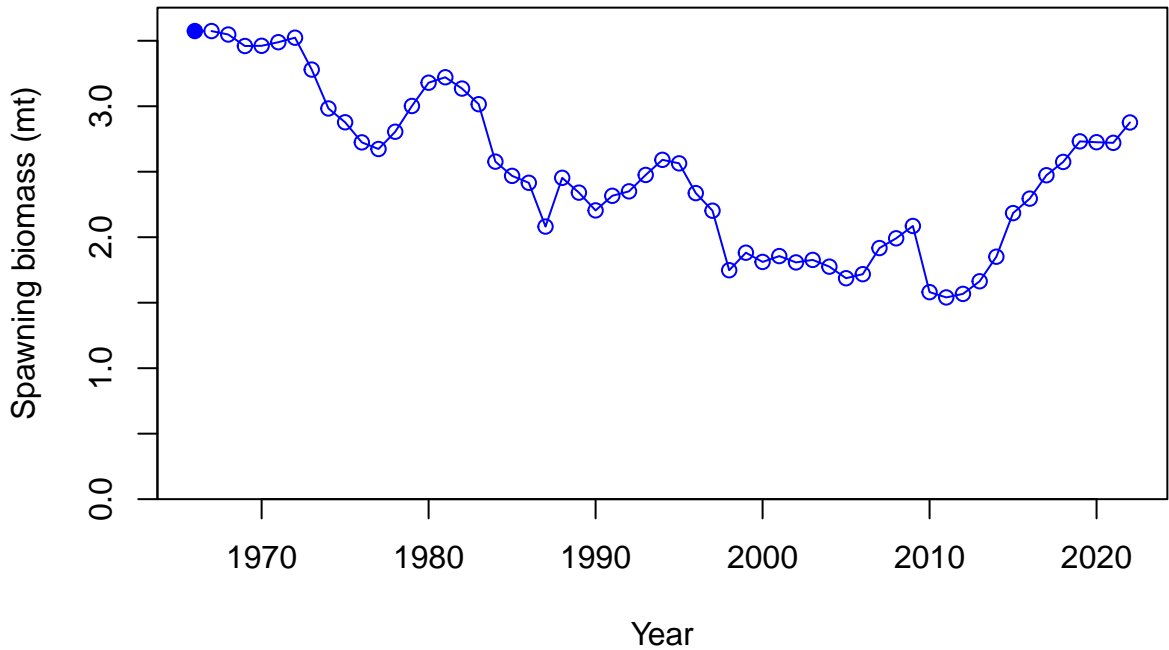
Selectivity



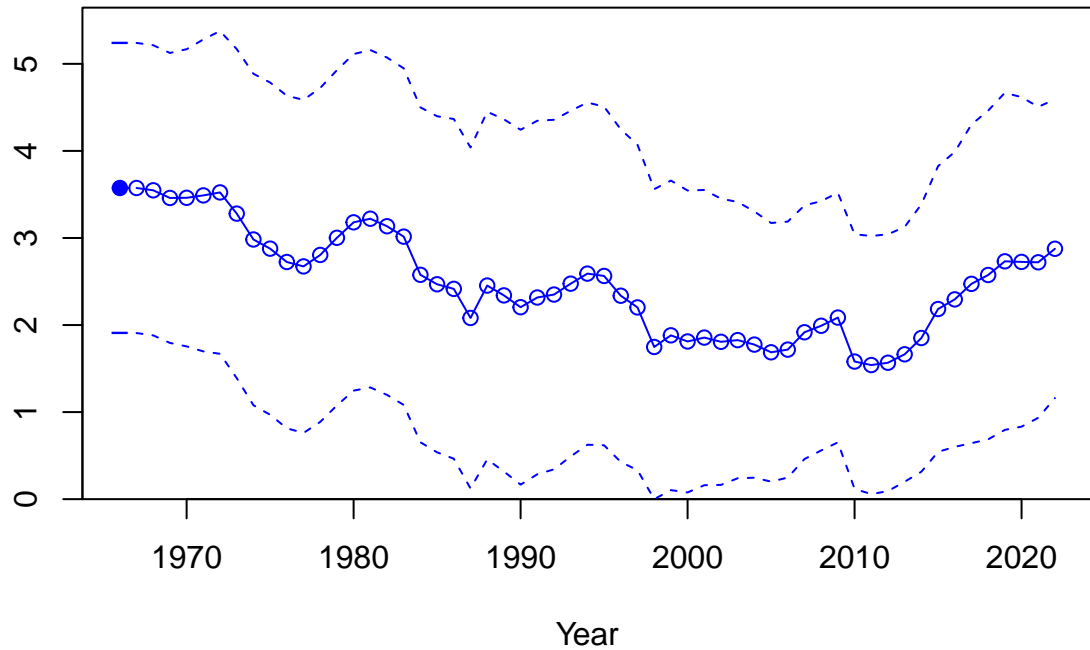




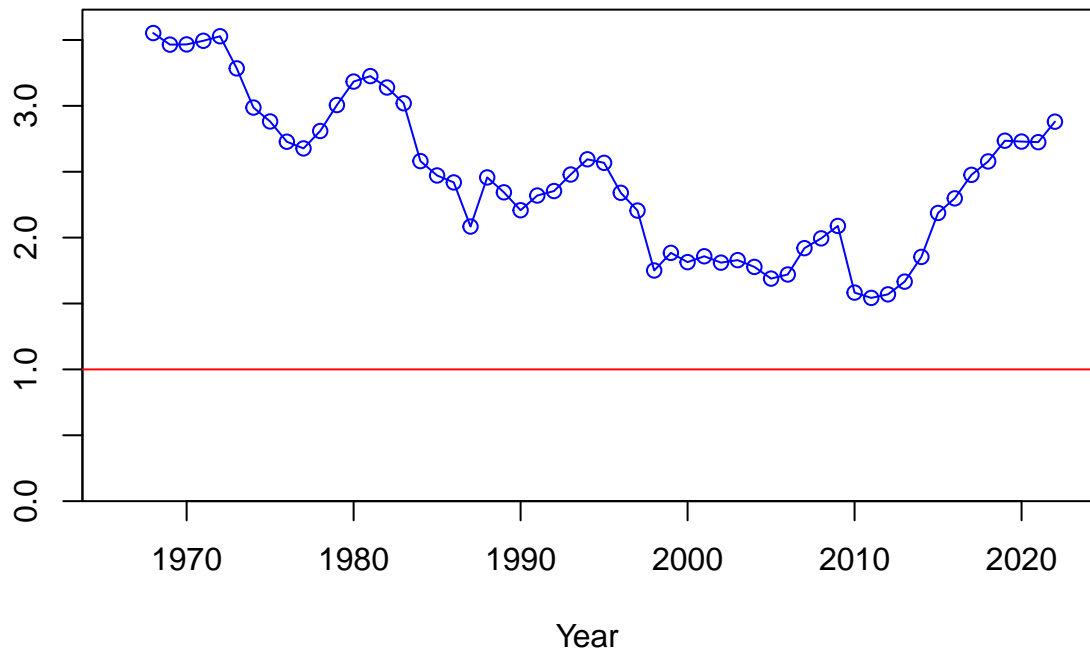




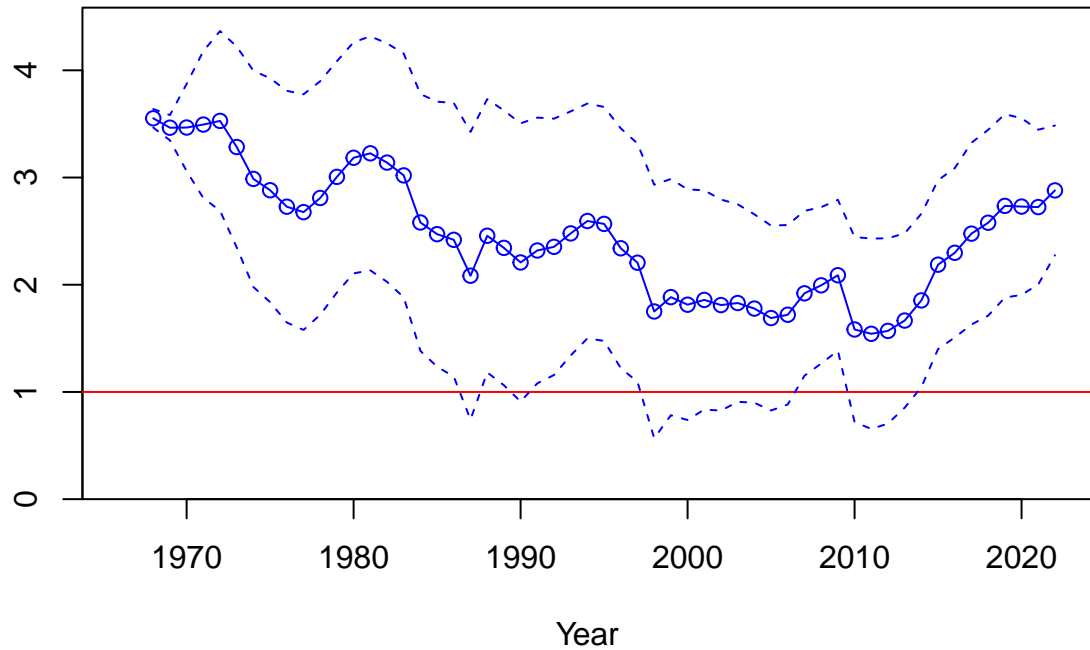
Spawning biomass (mt)

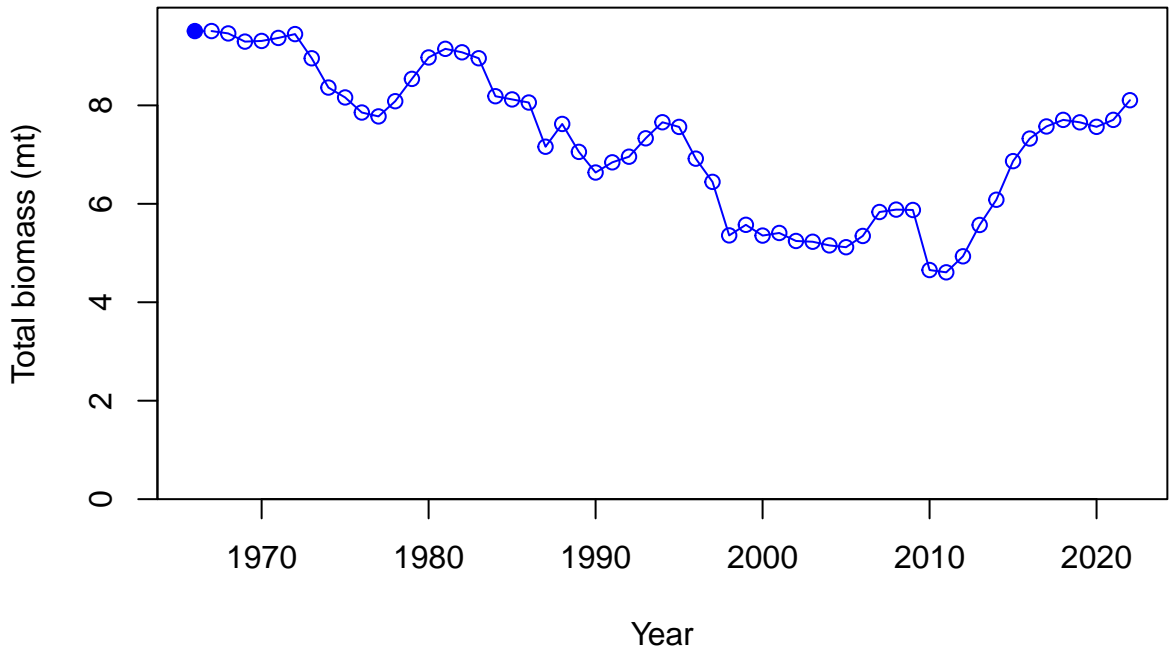


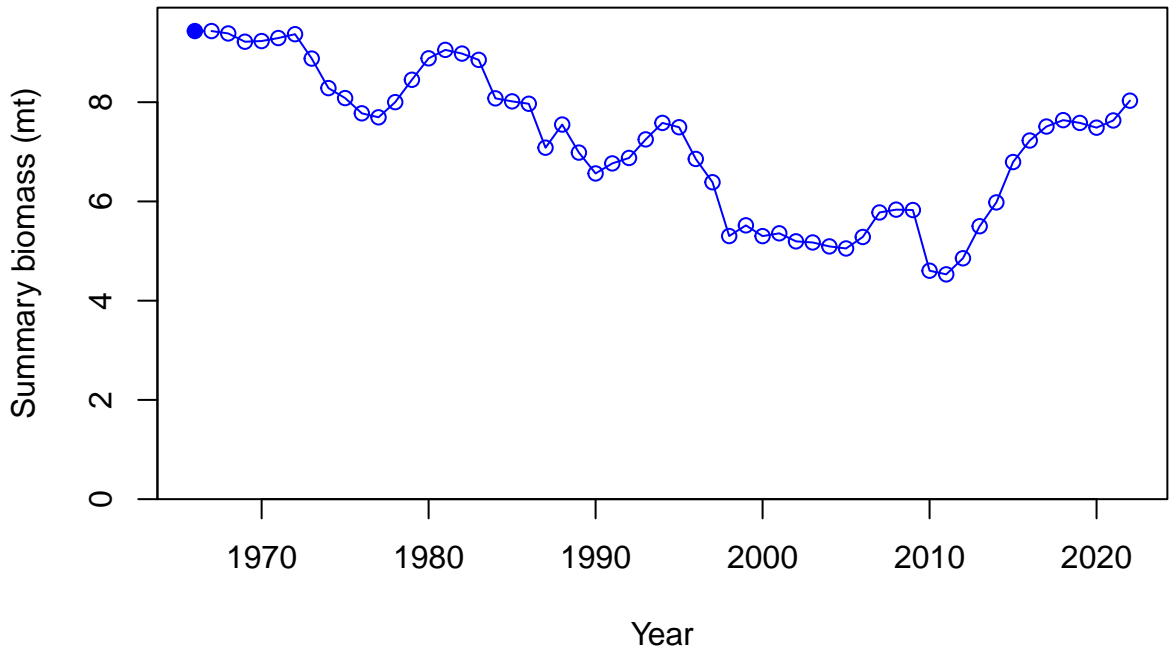
Relative spawning biomass: B/B_{MSY}



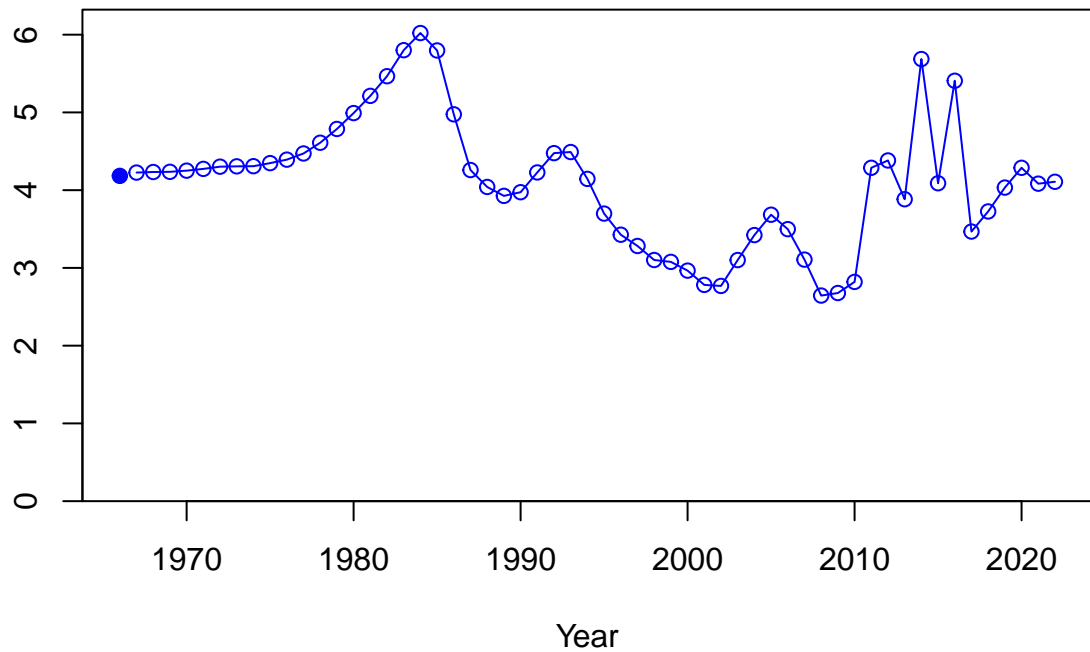
Relative spawning biomass: B/B_{MSY}



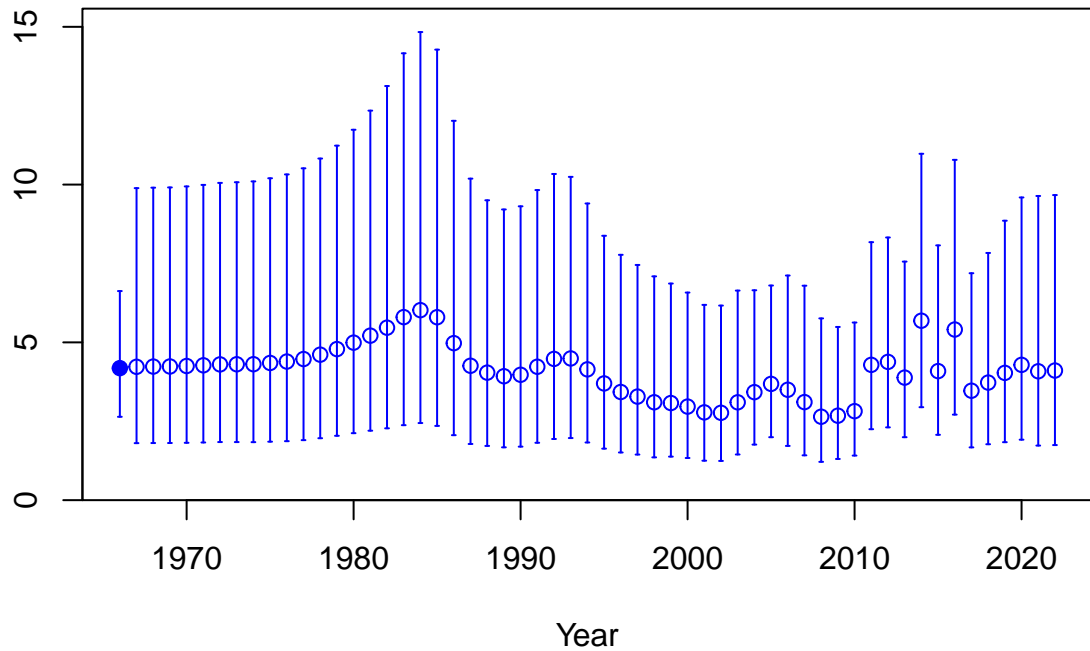




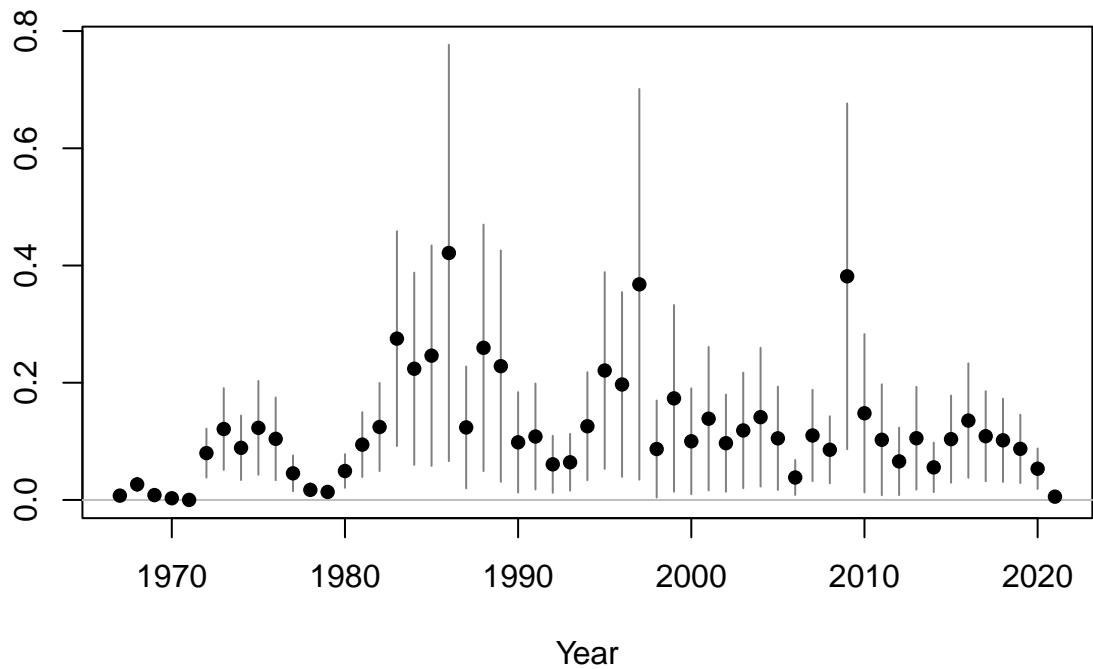
Age-0 recruits (1,000s)

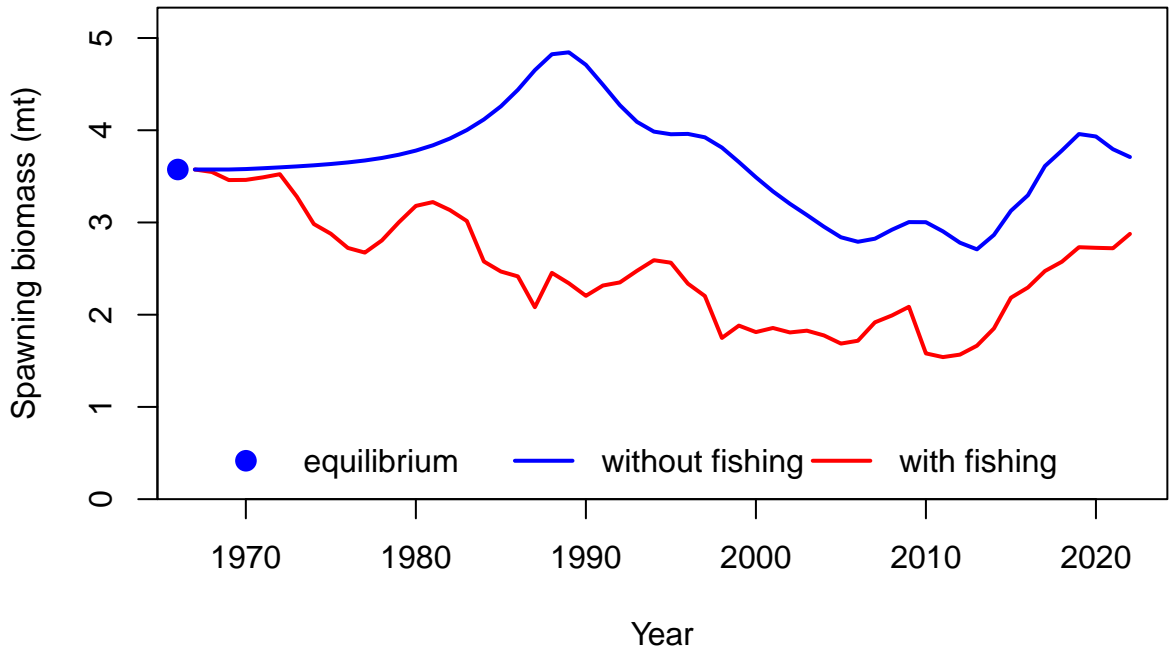


Age-0 recruits (1,000s)

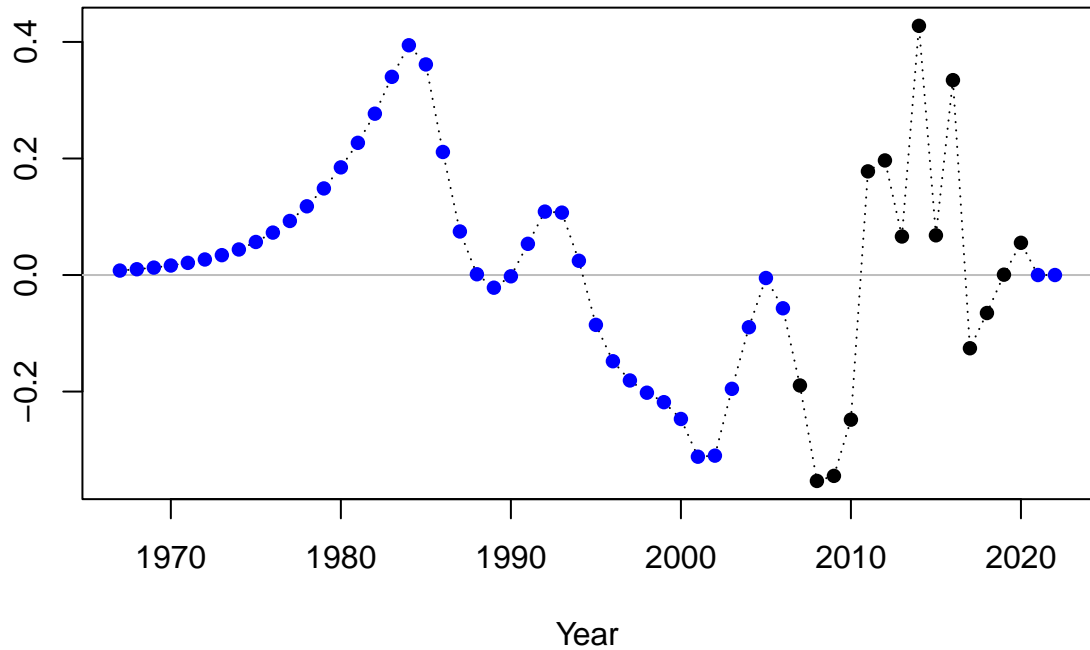


Summary Fishing Mortality

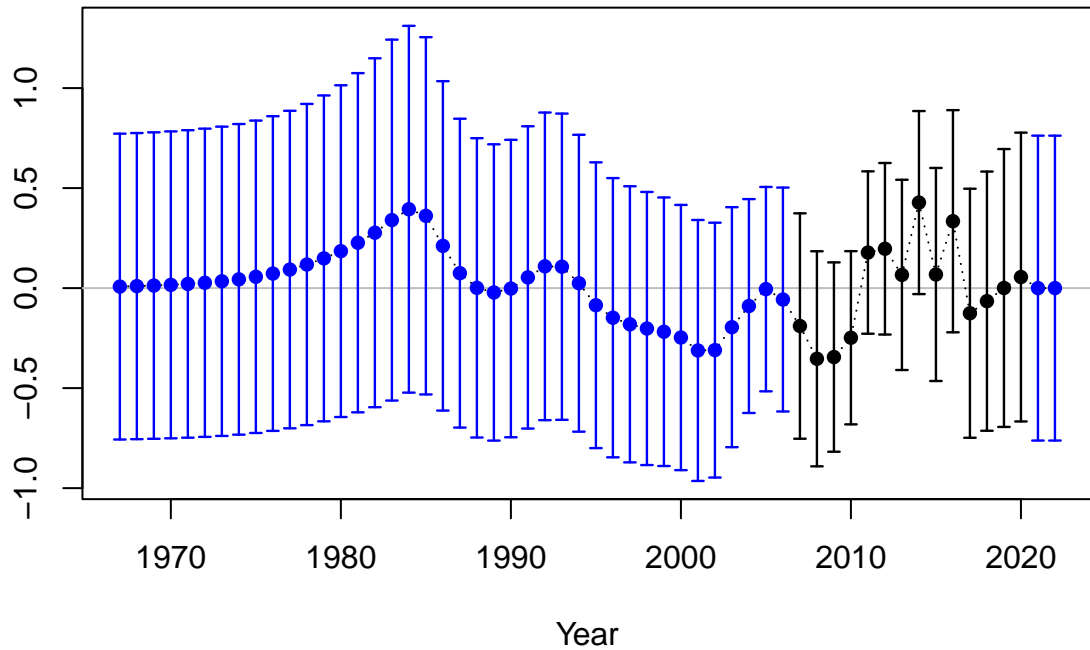




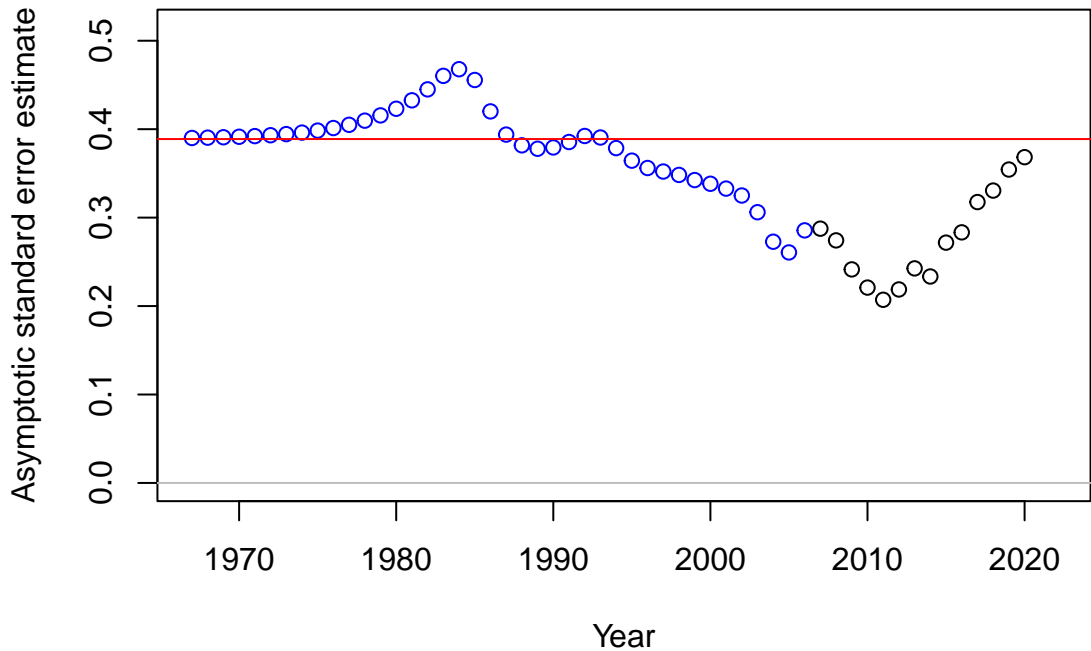
Log recruitment deviation

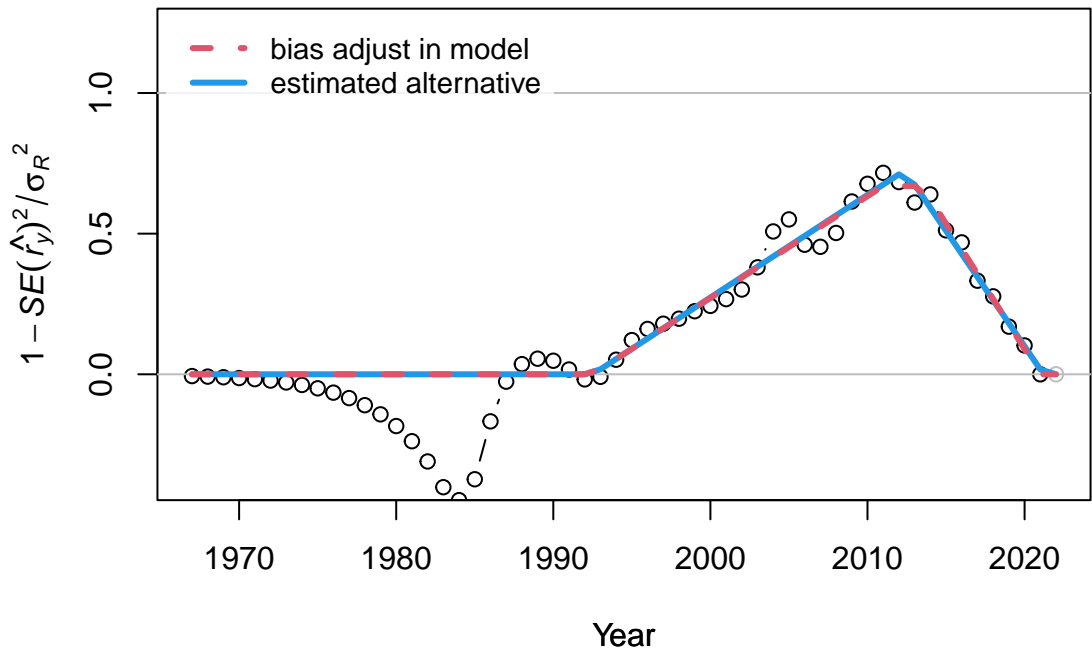


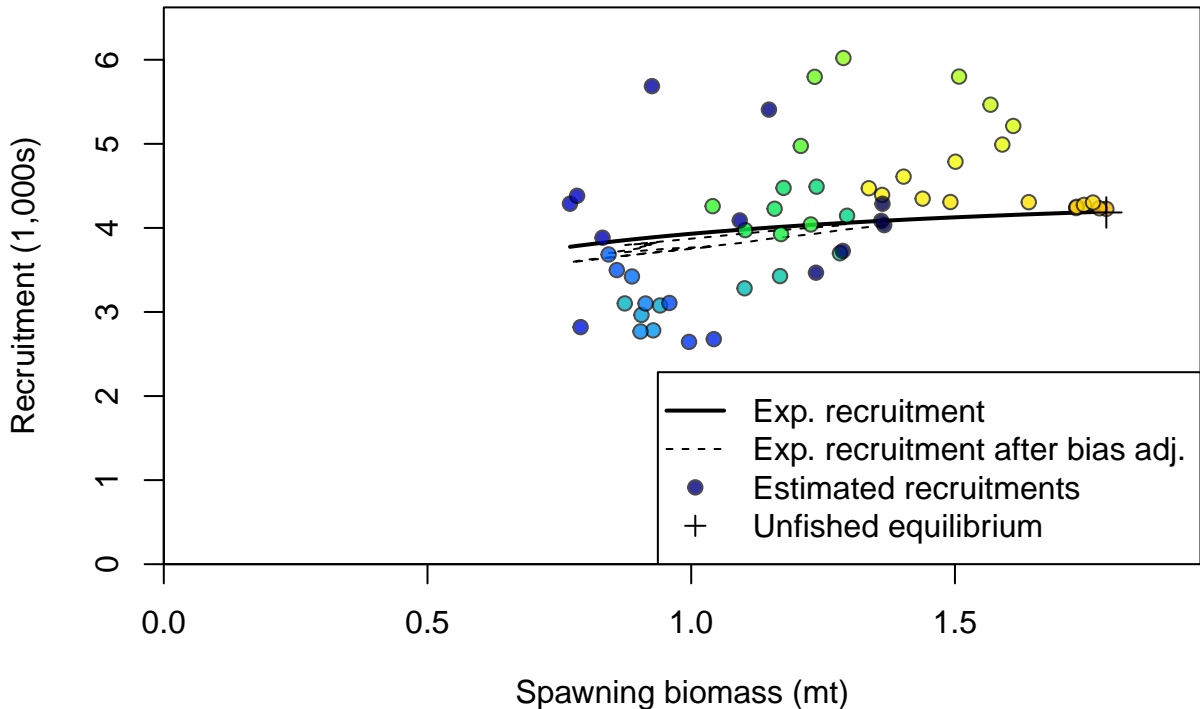
Log recruitment deviation

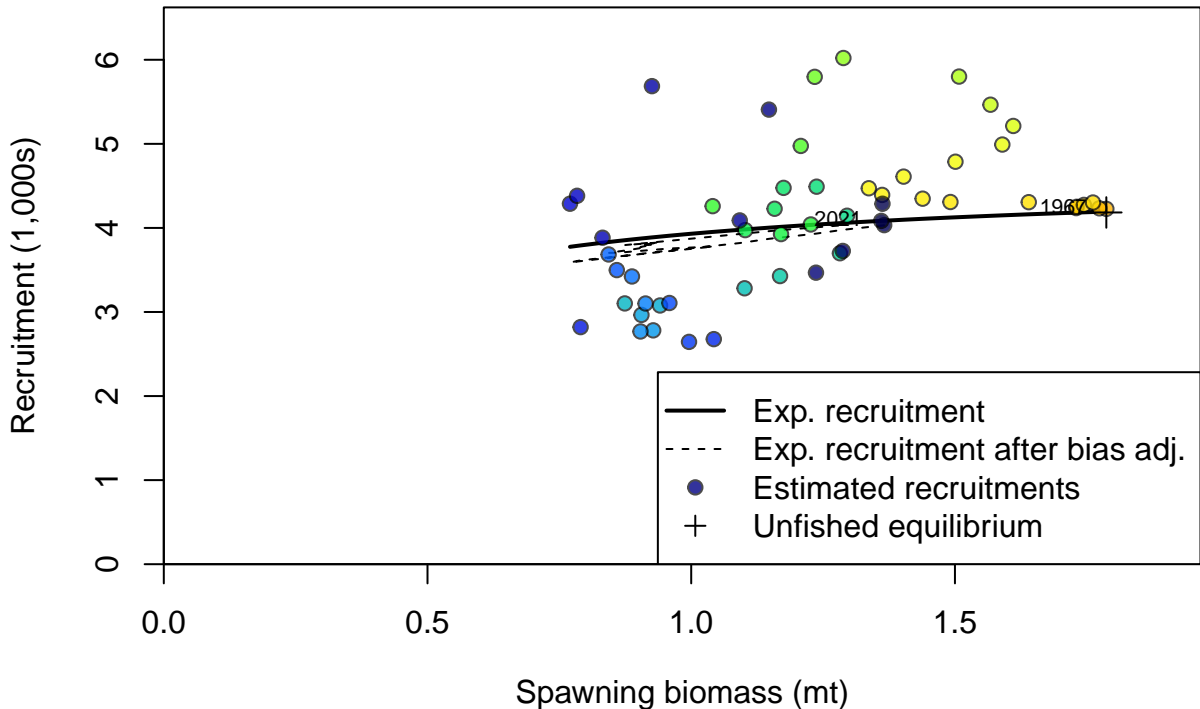


Recruitment deviation variance

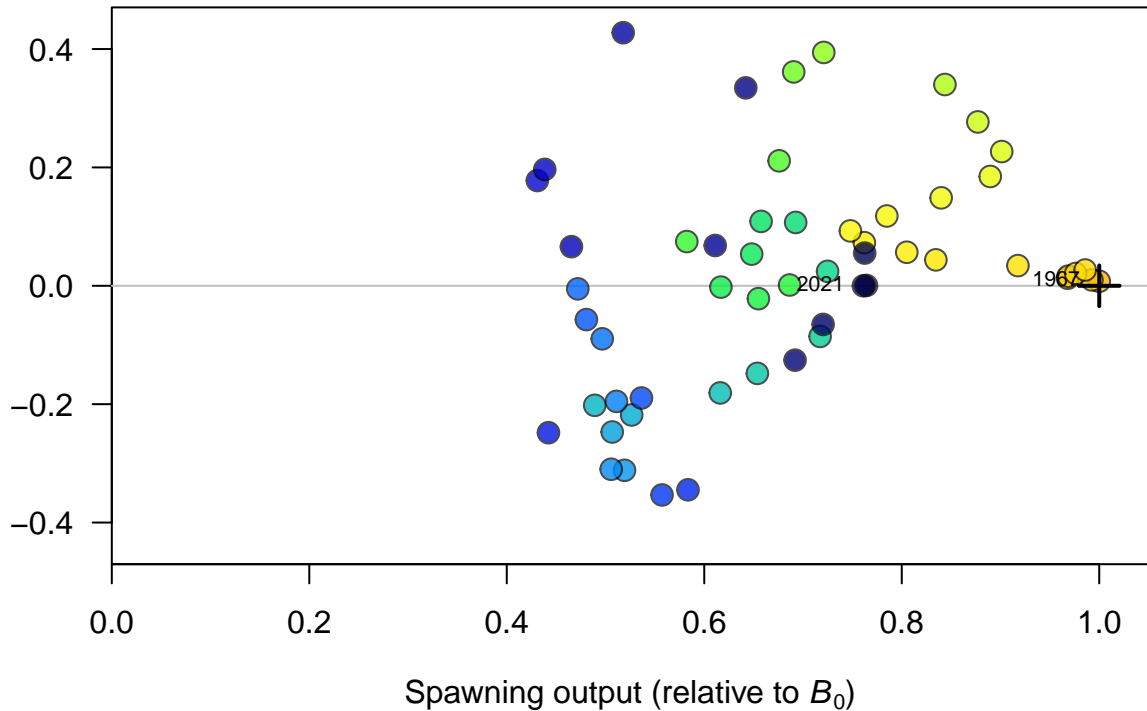


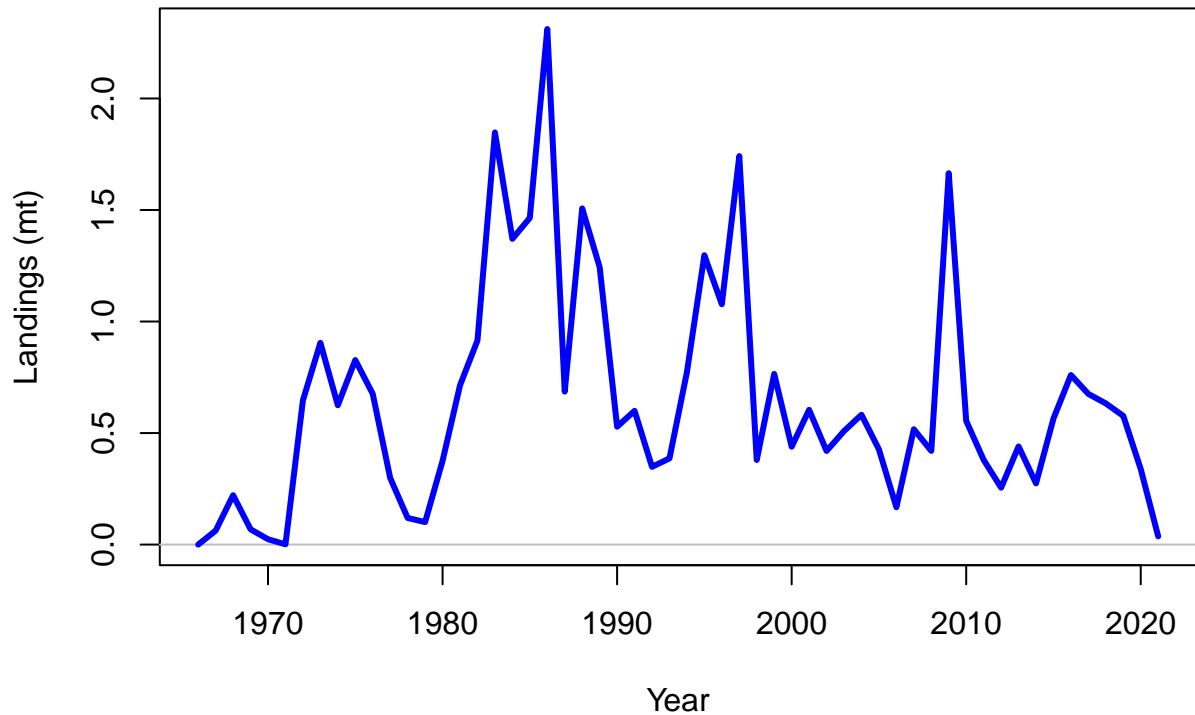


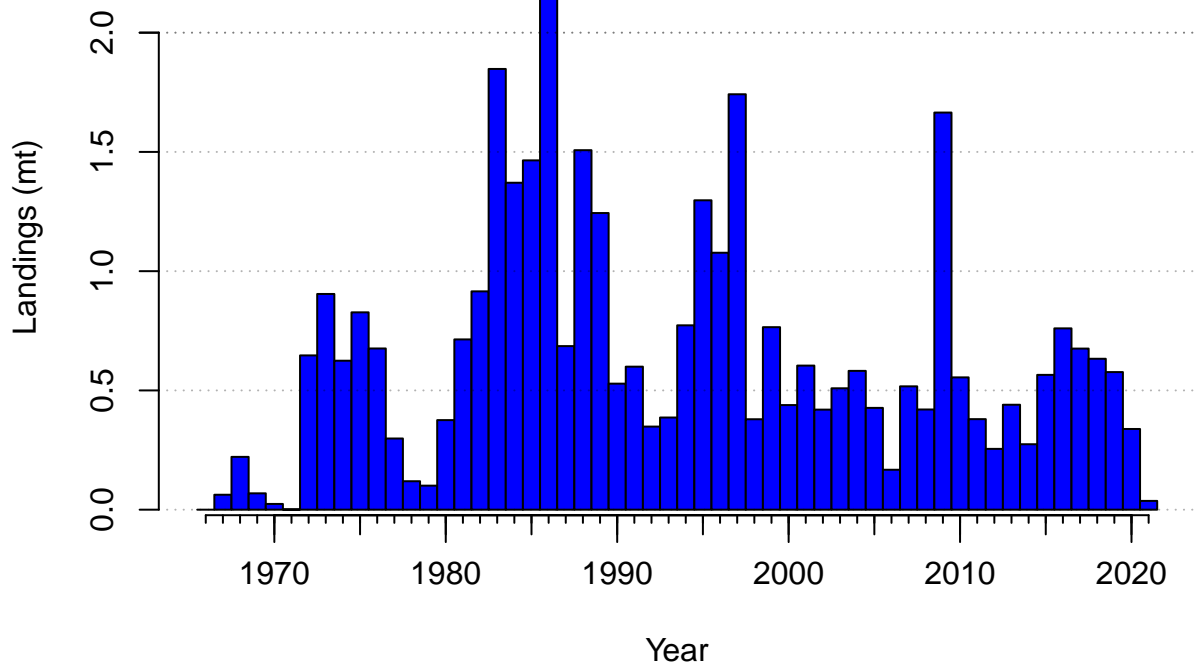


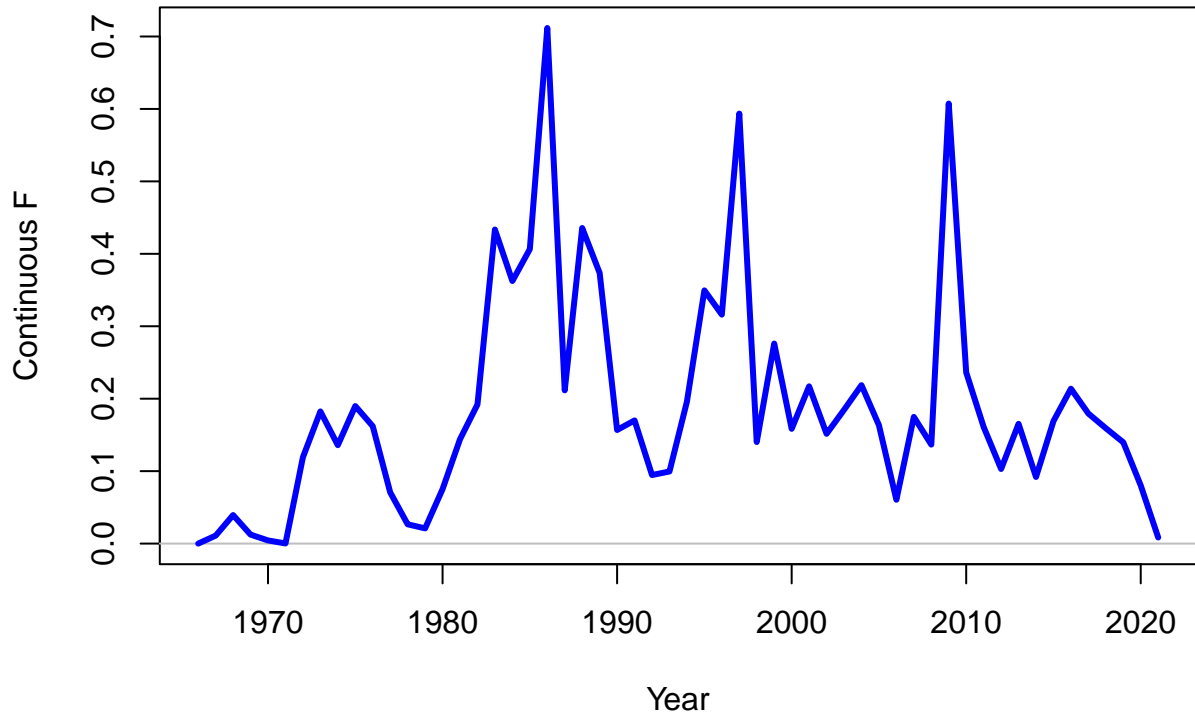


Log recruitment deviation

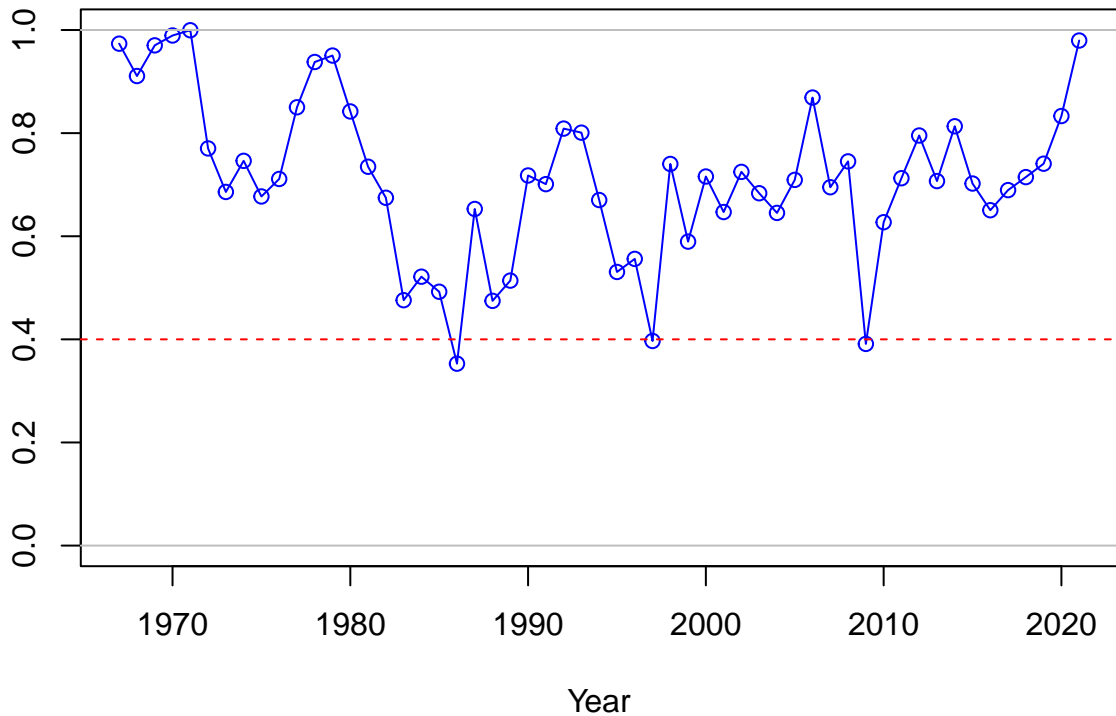




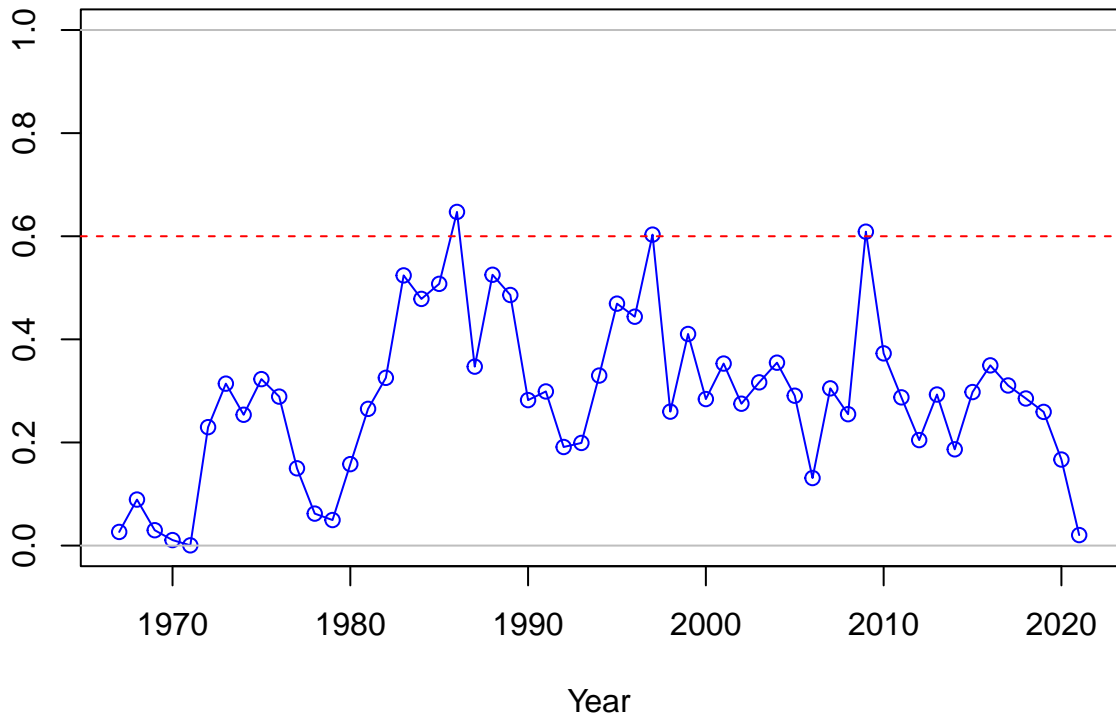




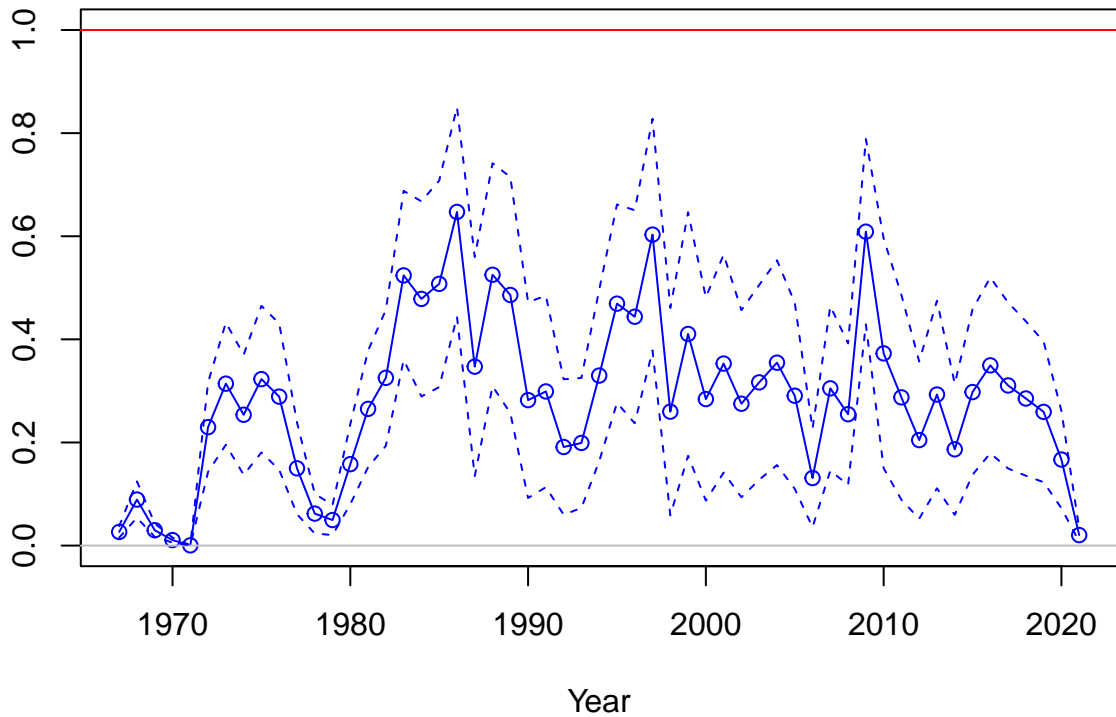
SPR



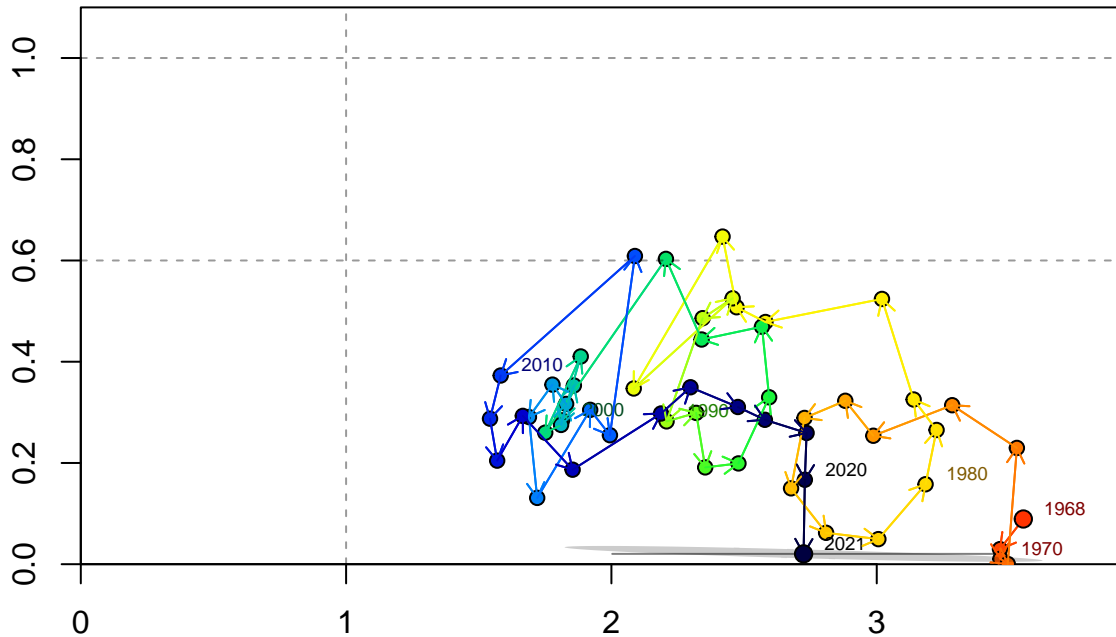
1-SPR



Fishing intensity: 1-SPR

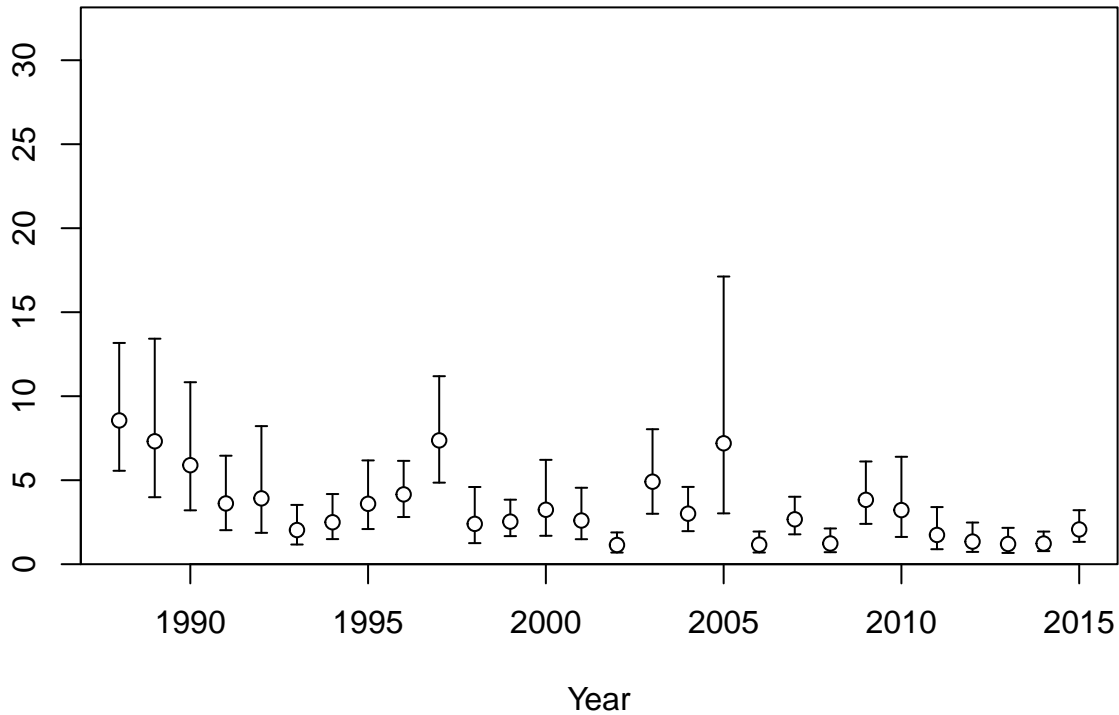


Fishing intensity: 1-SPR

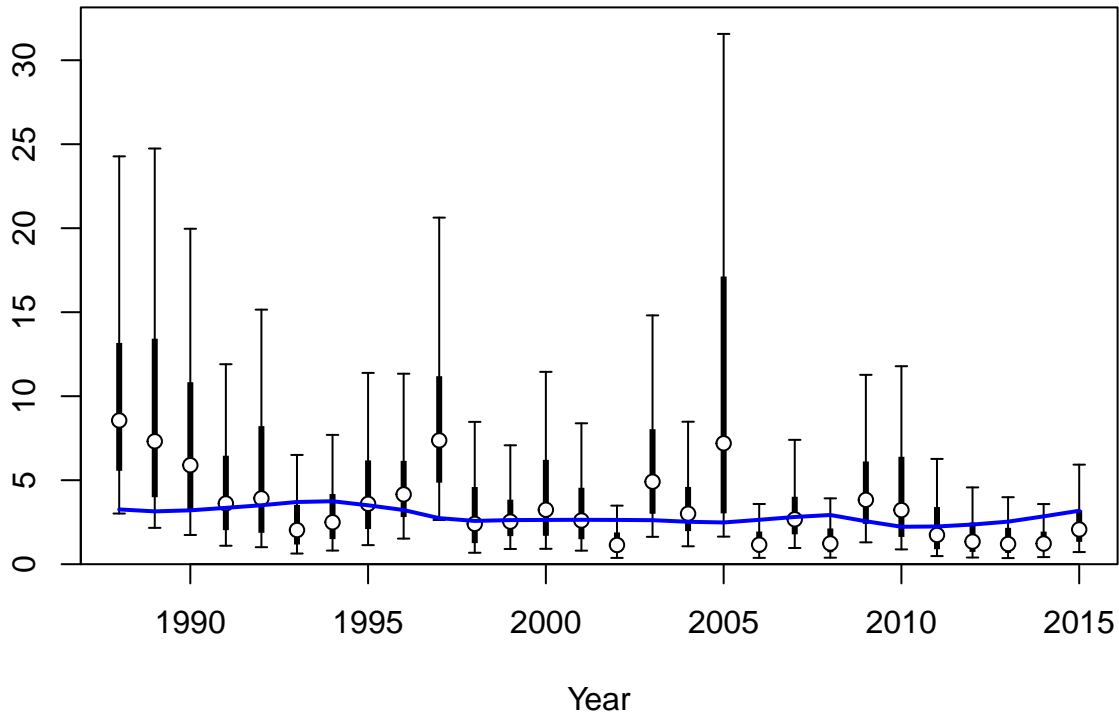


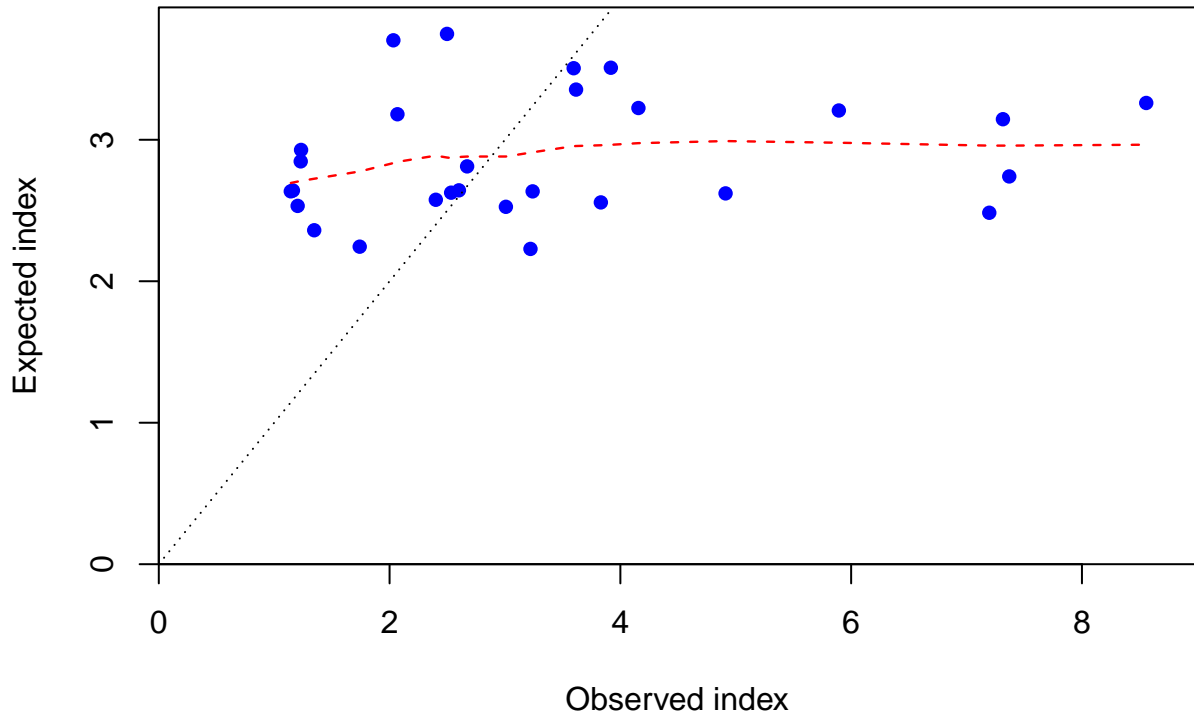
Relative spawning output: B/B_{MSY}

Index



Index





Log index

3
2
1
0
-1

1990

1995

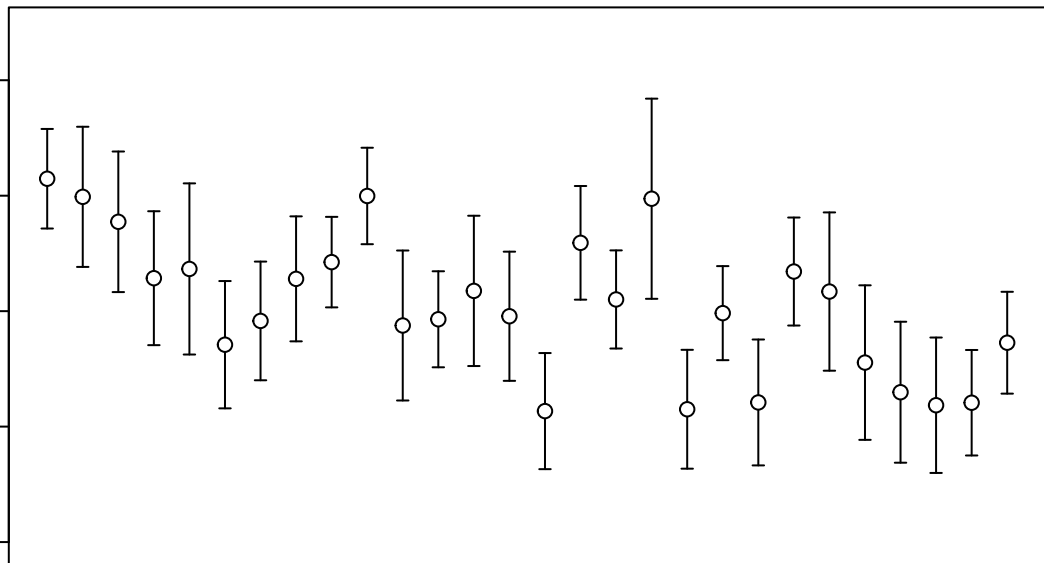
2000

2005

2010

2015

Year



Log index

3
2
1
0
-1

1990

1995

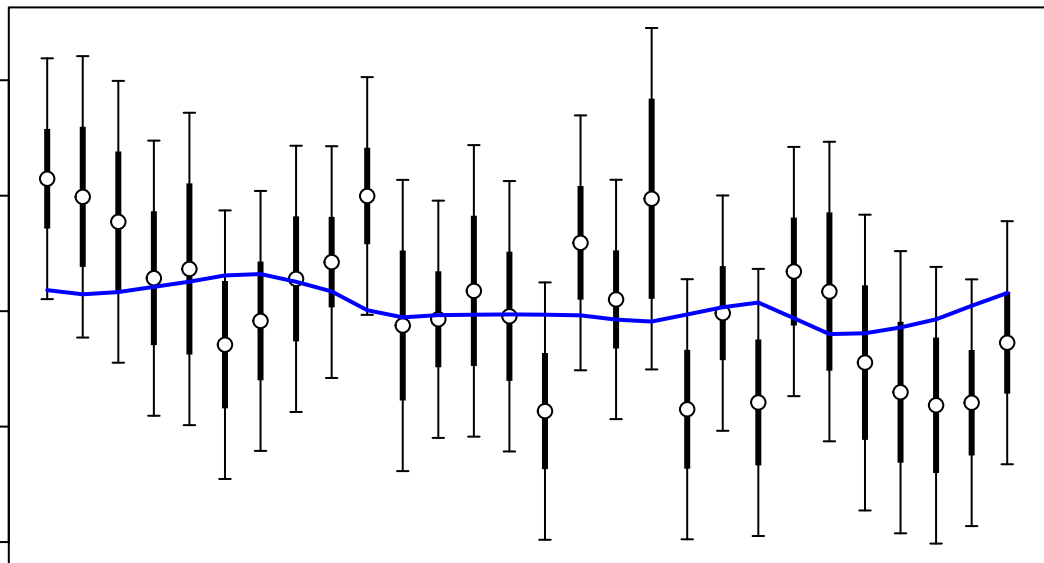
2000

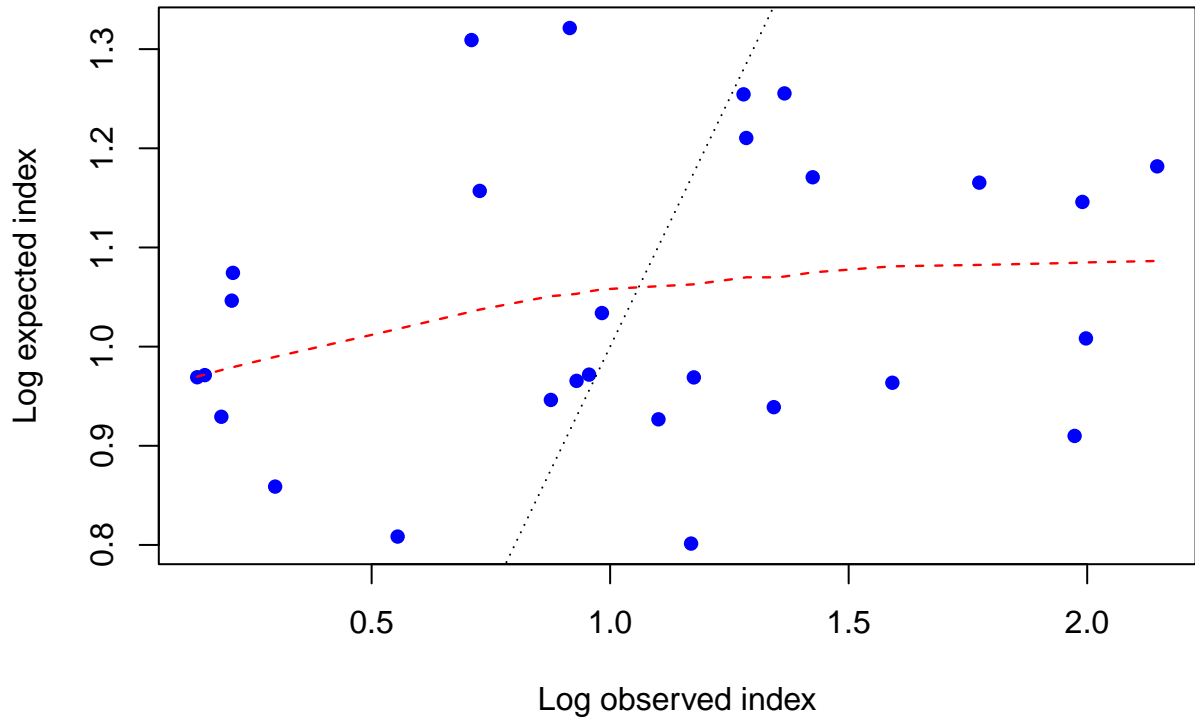
2005

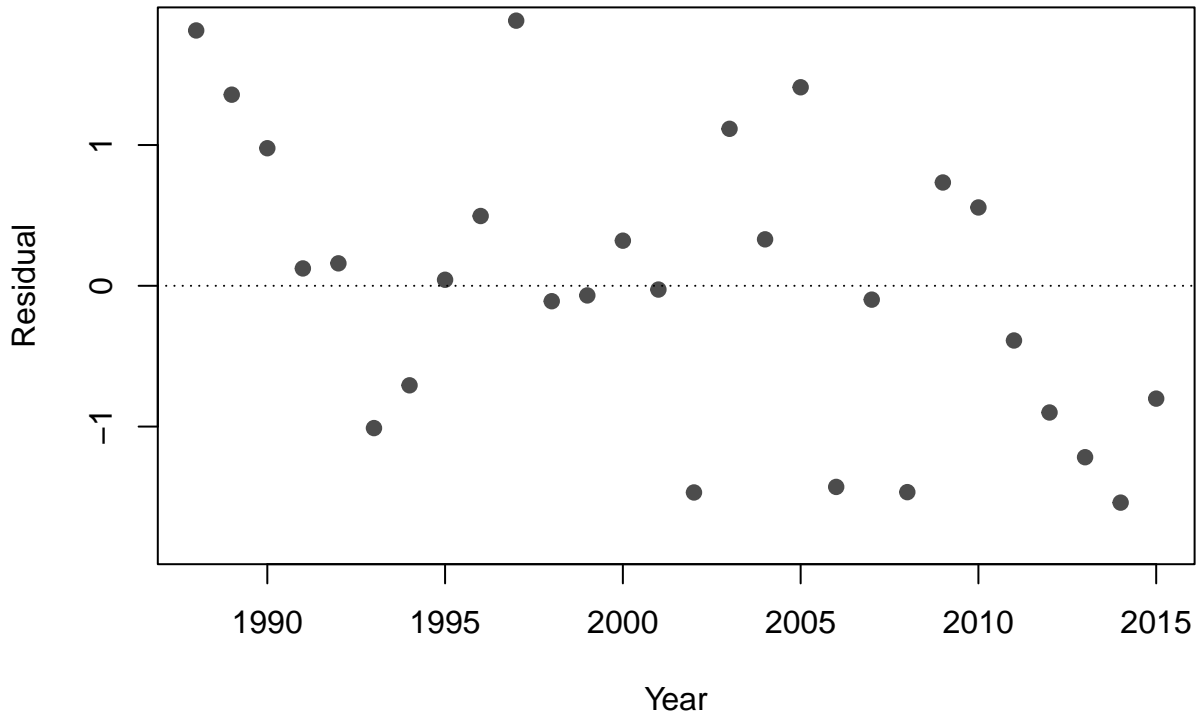
2010

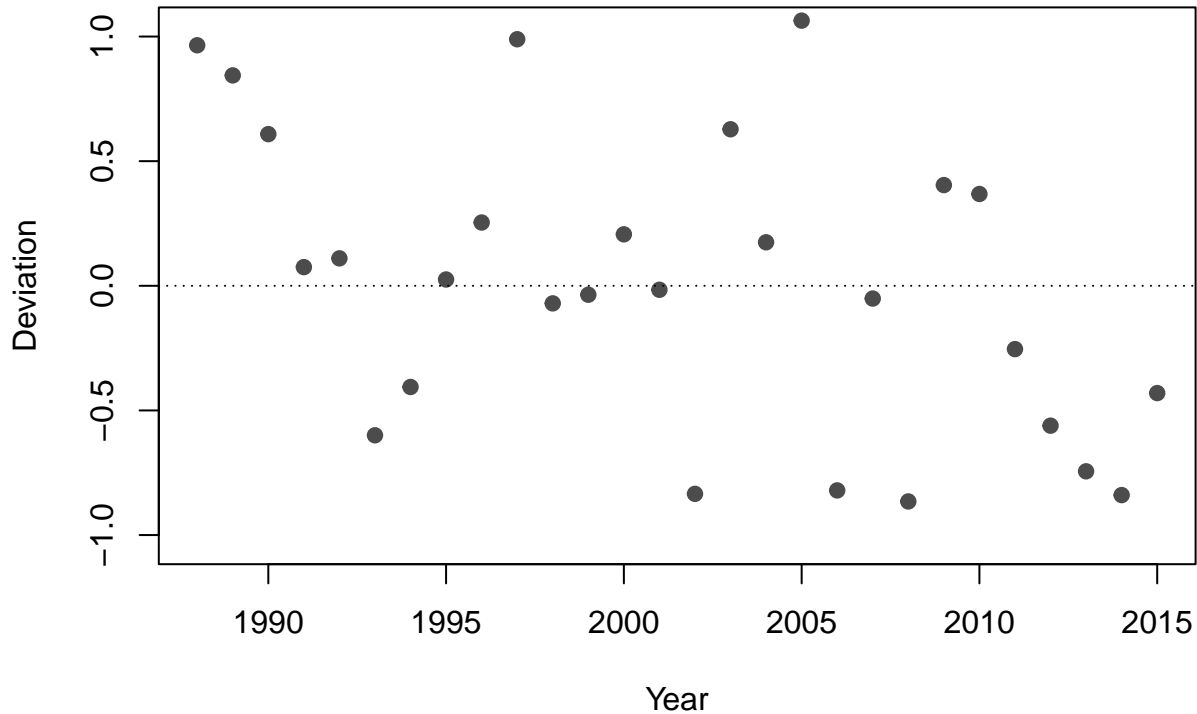
2015

Year

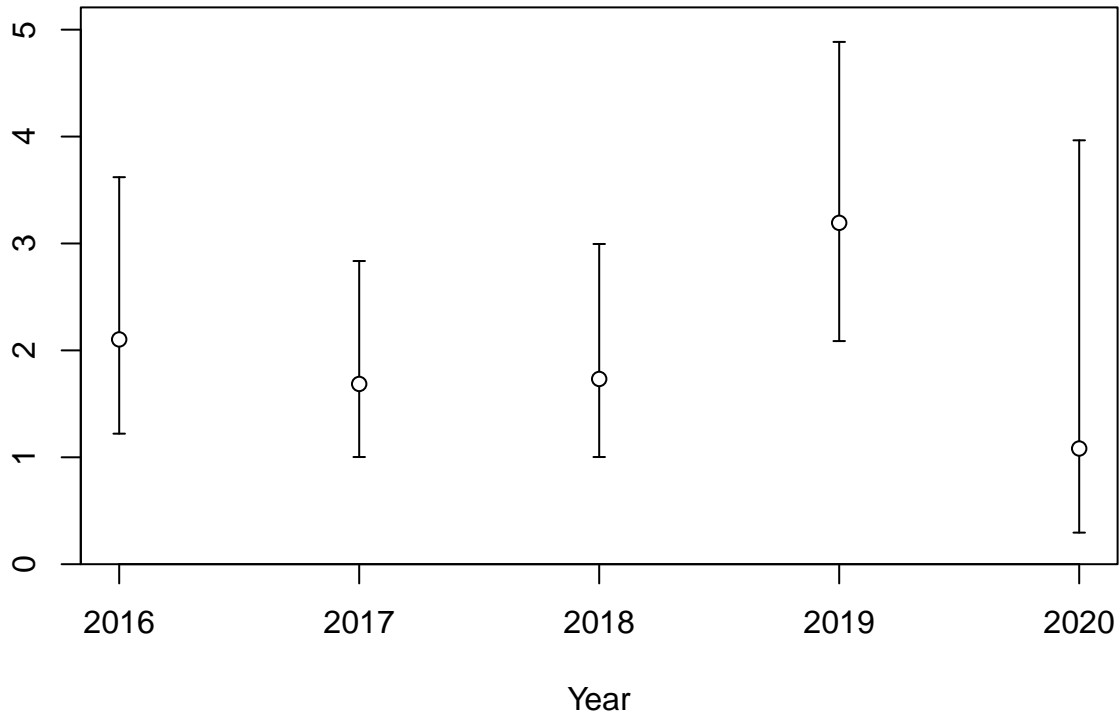


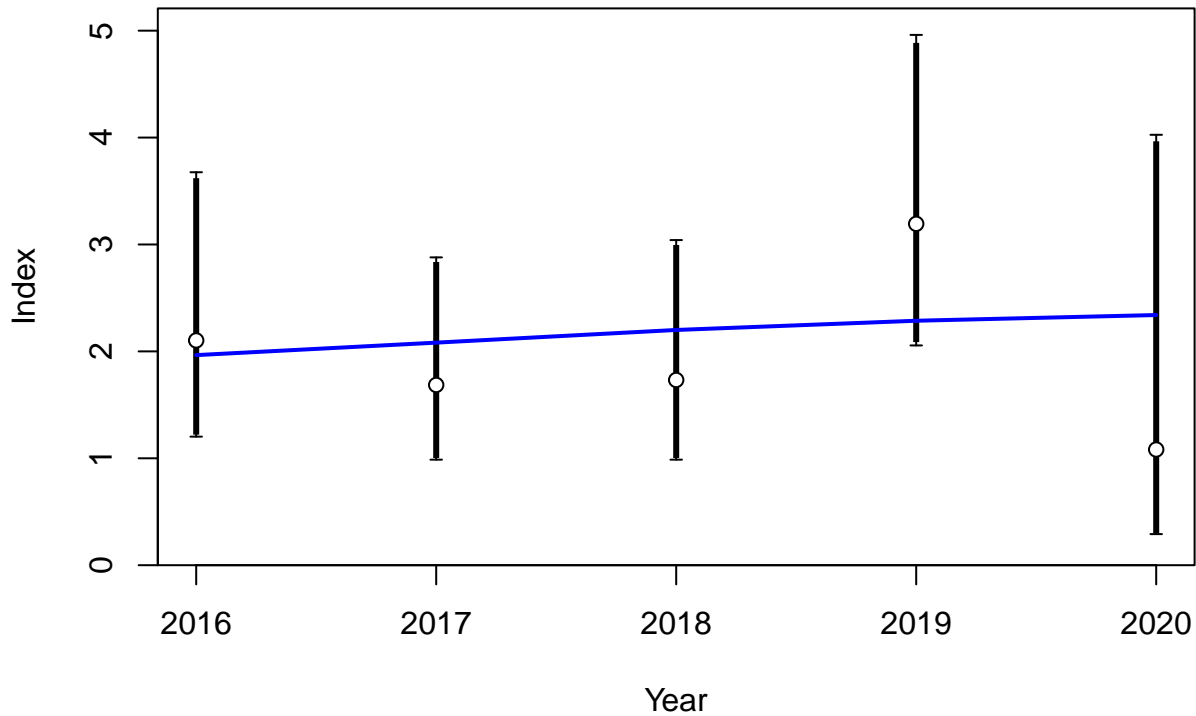


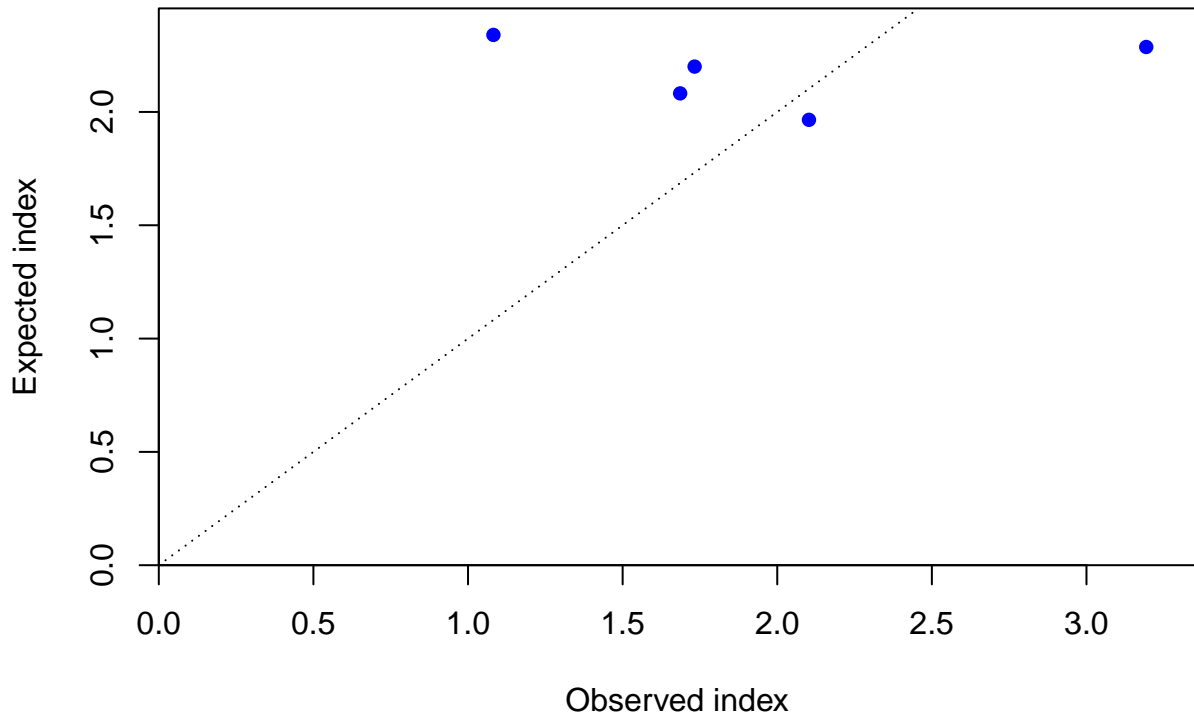


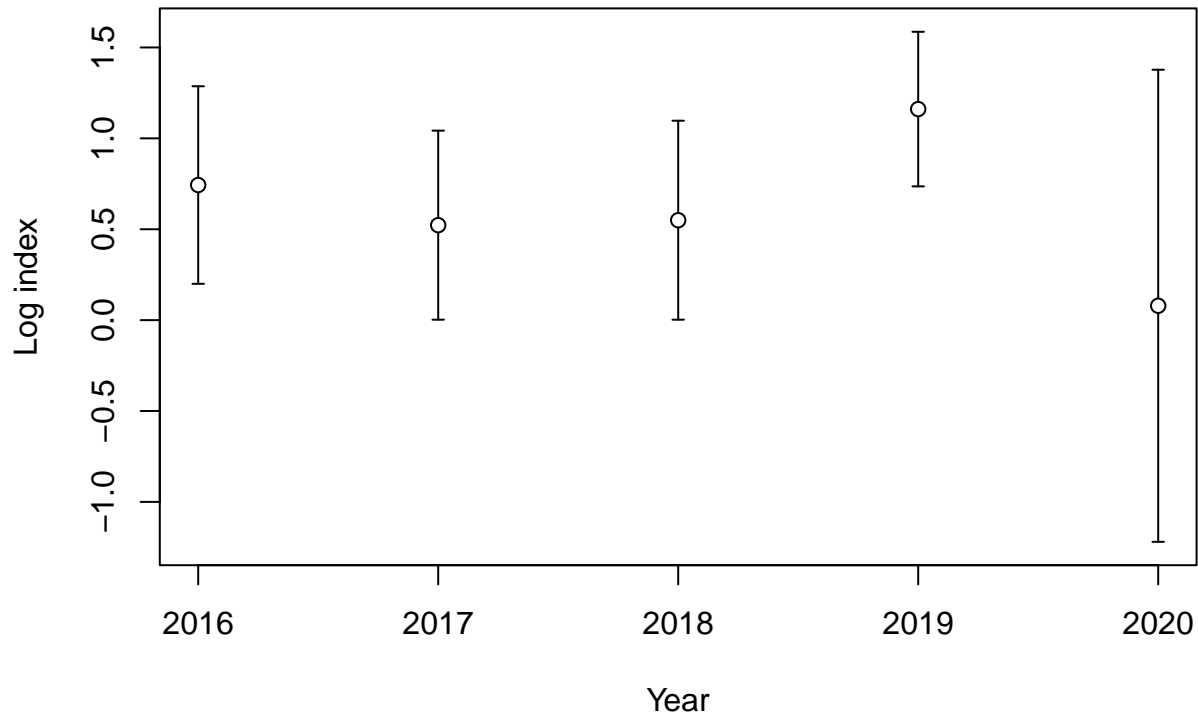


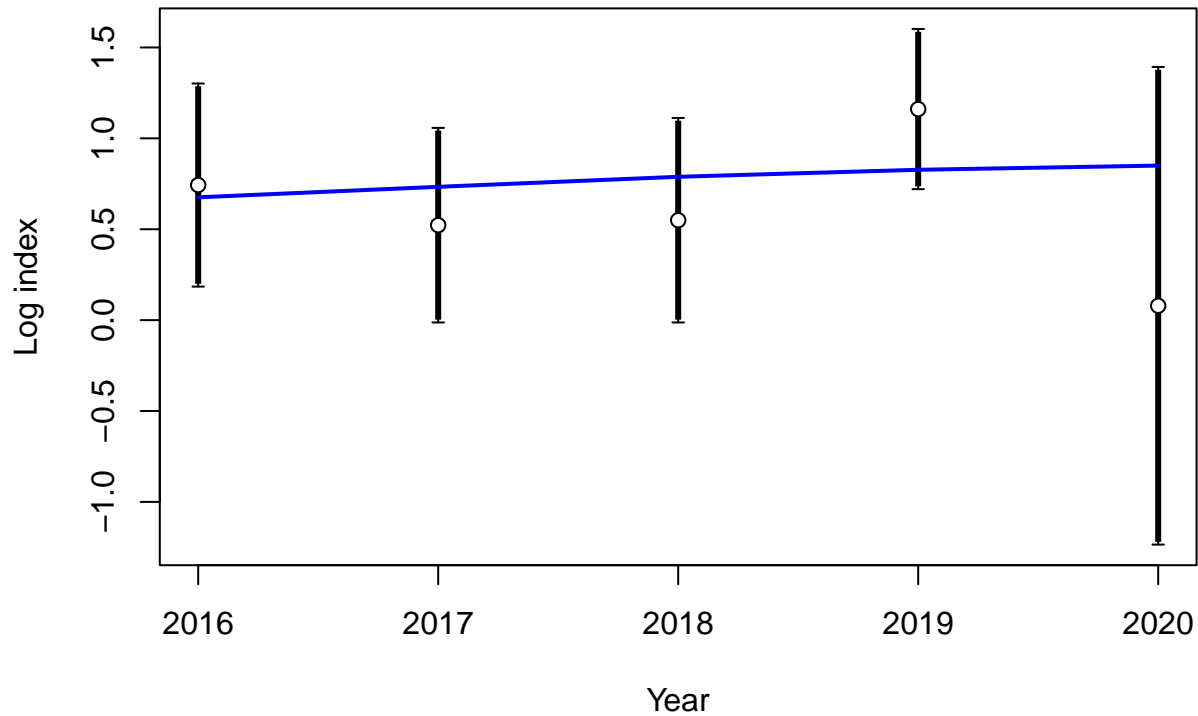
Index

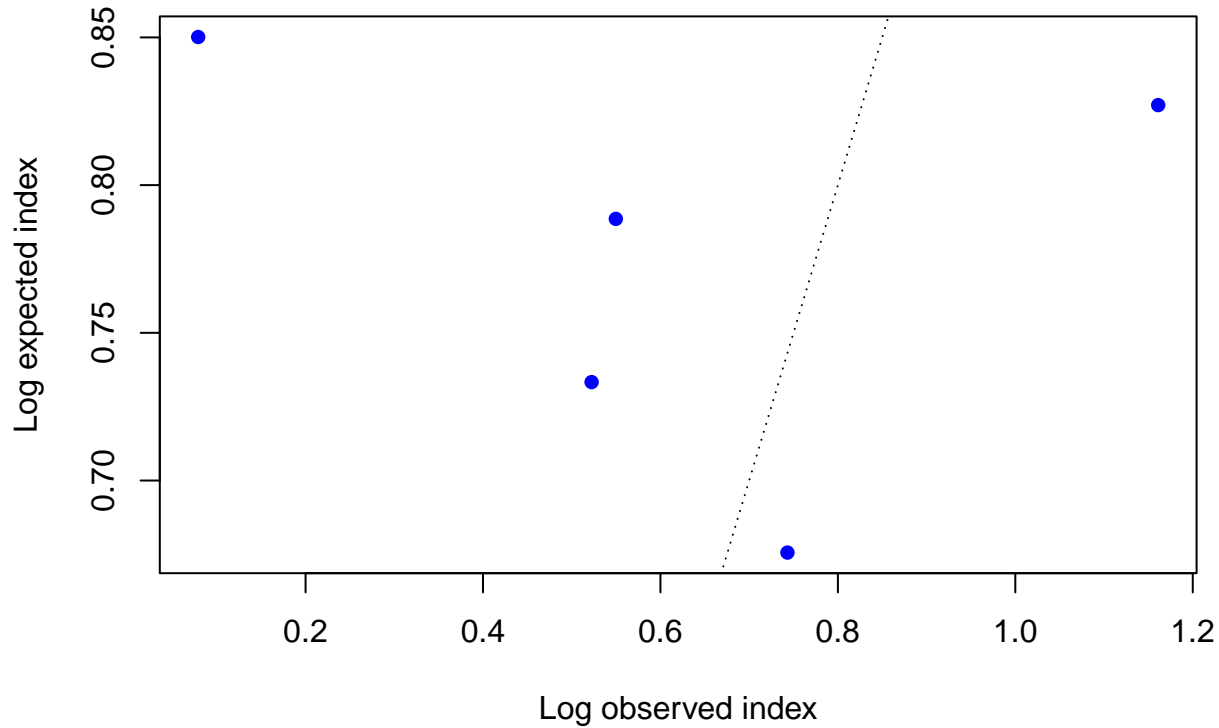


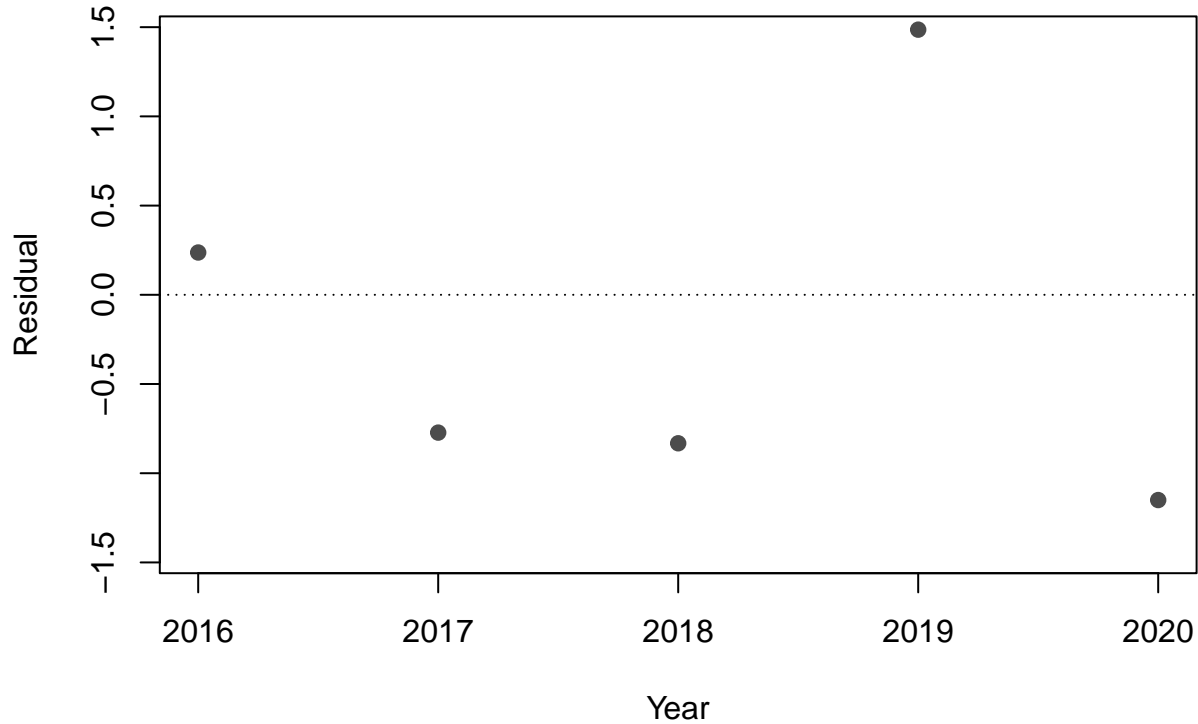












Deviation

0.5
0.0
-0.5

2016

2017

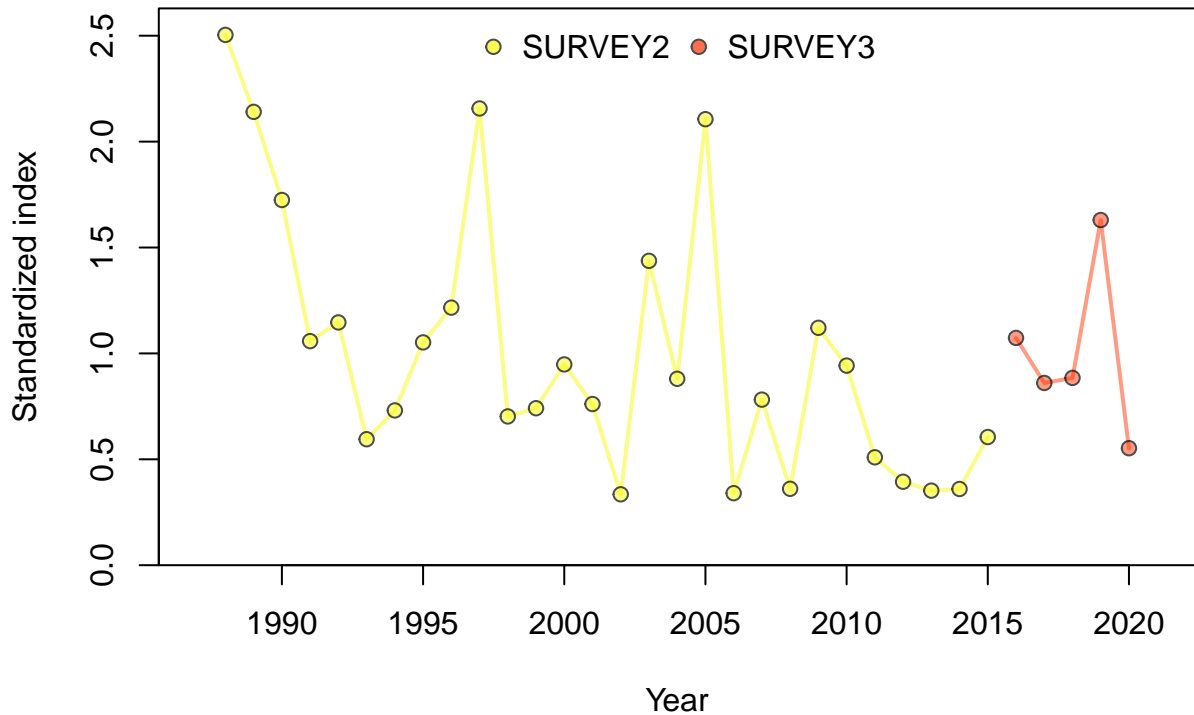
2018

2019

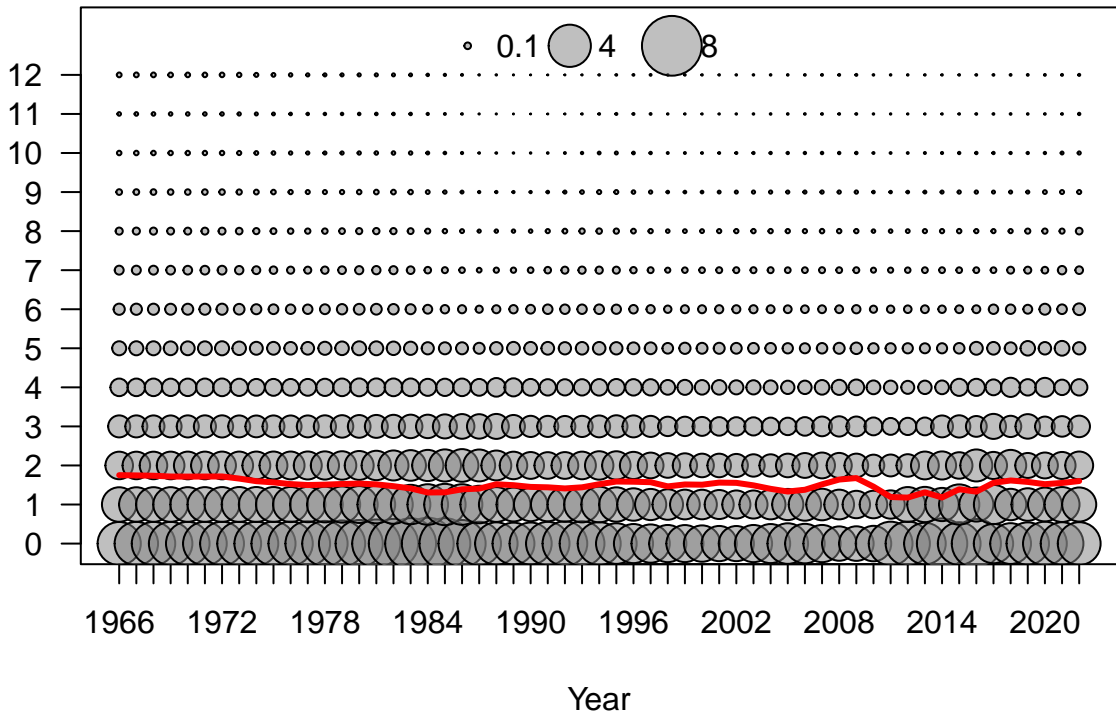
2020

Year

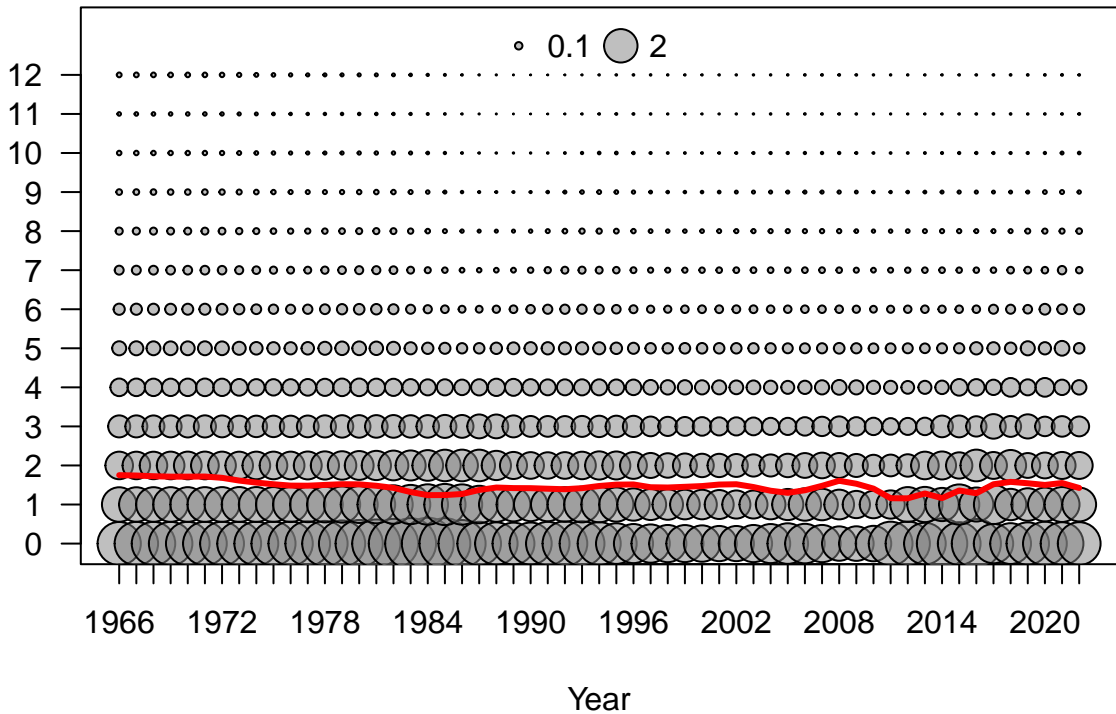




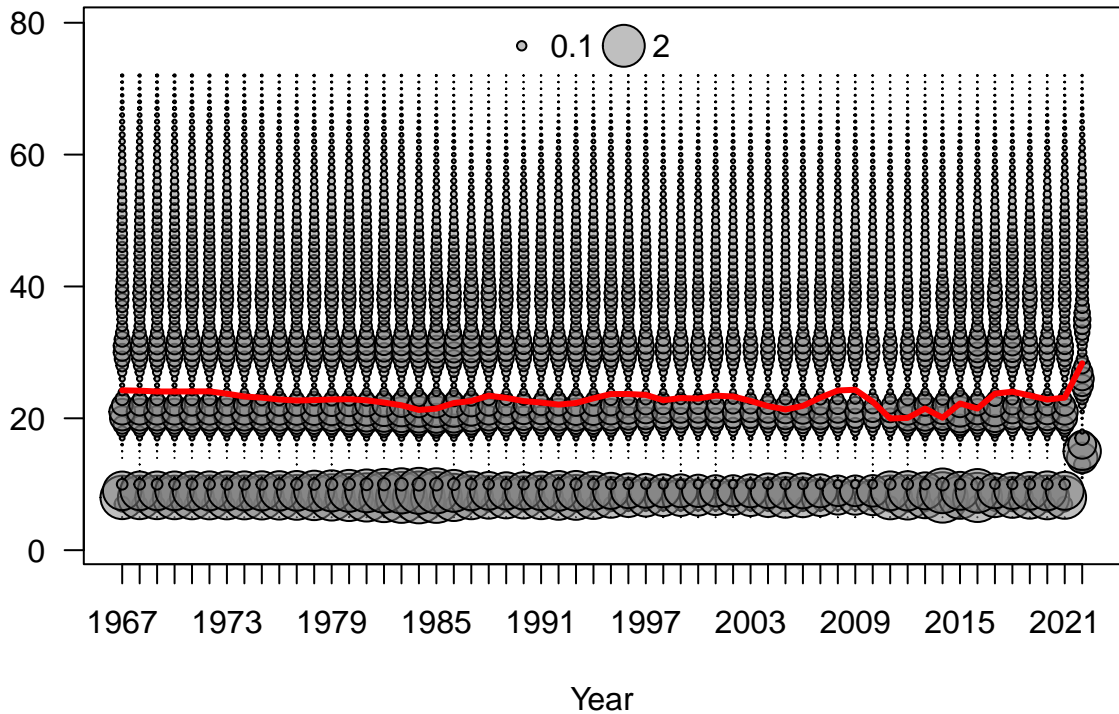
Age

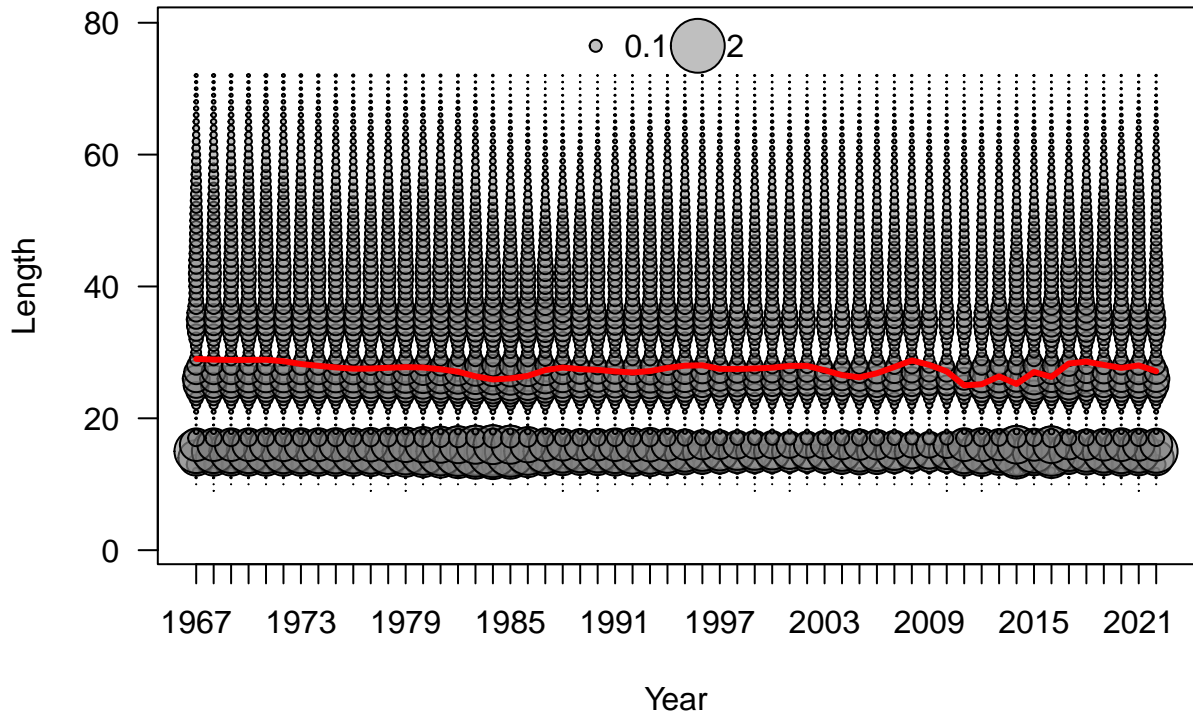


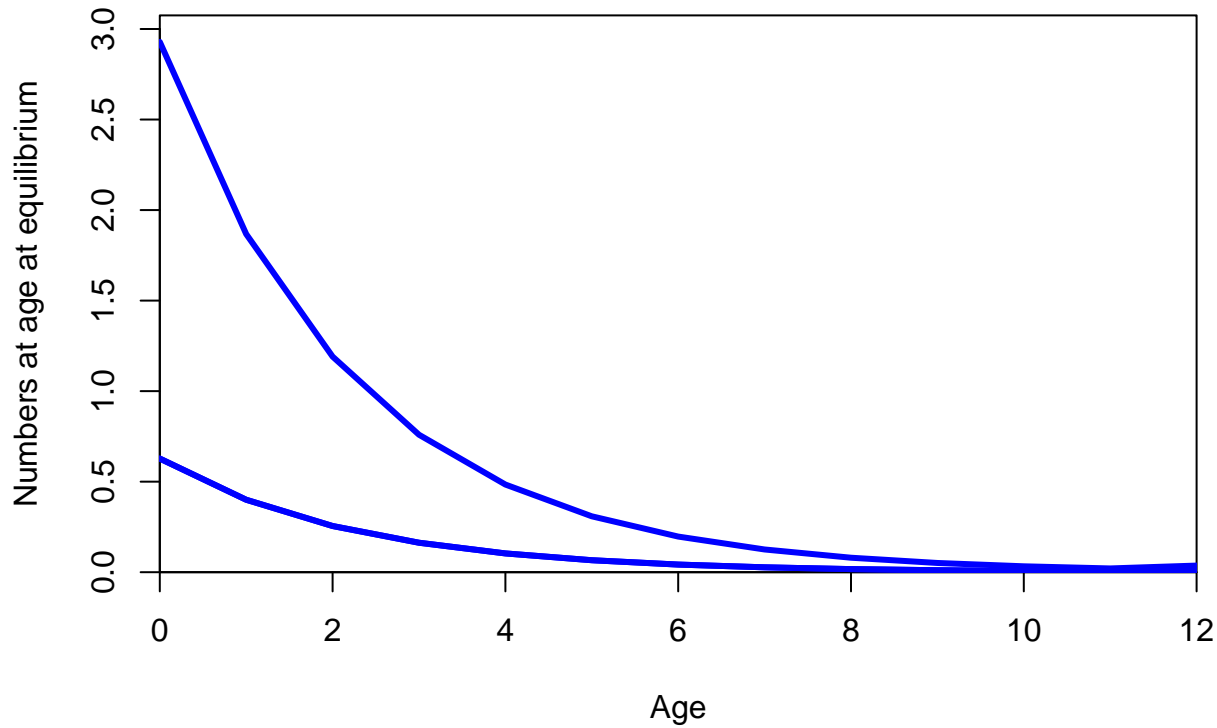
Age

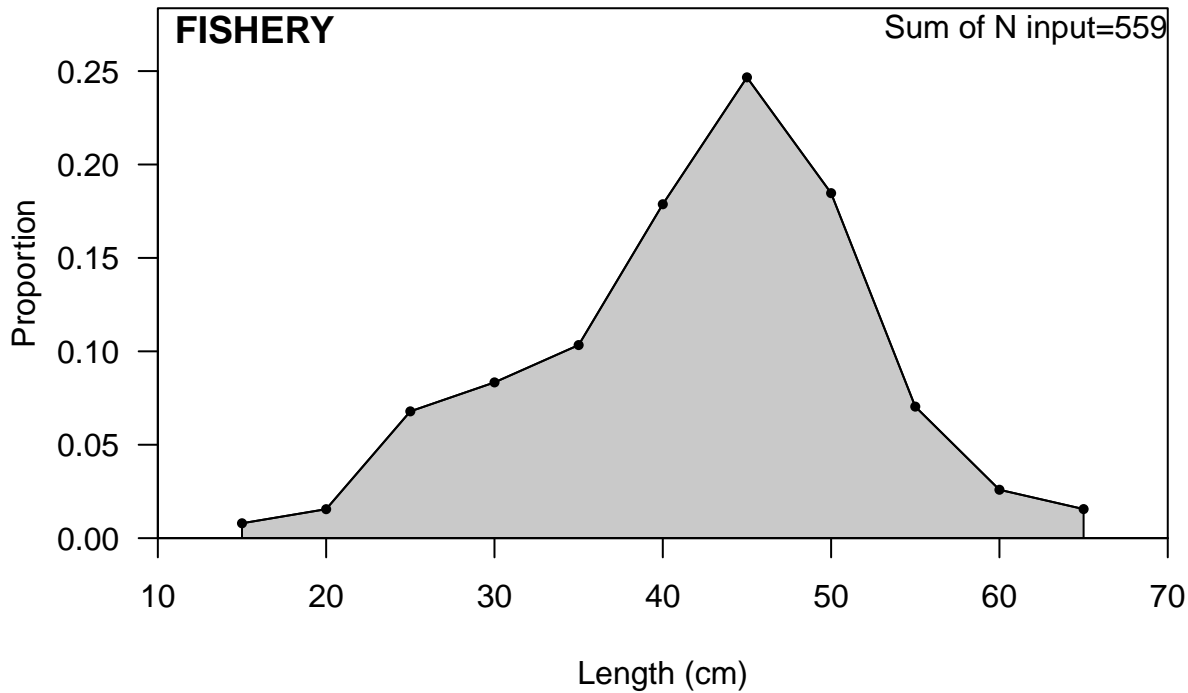


Length



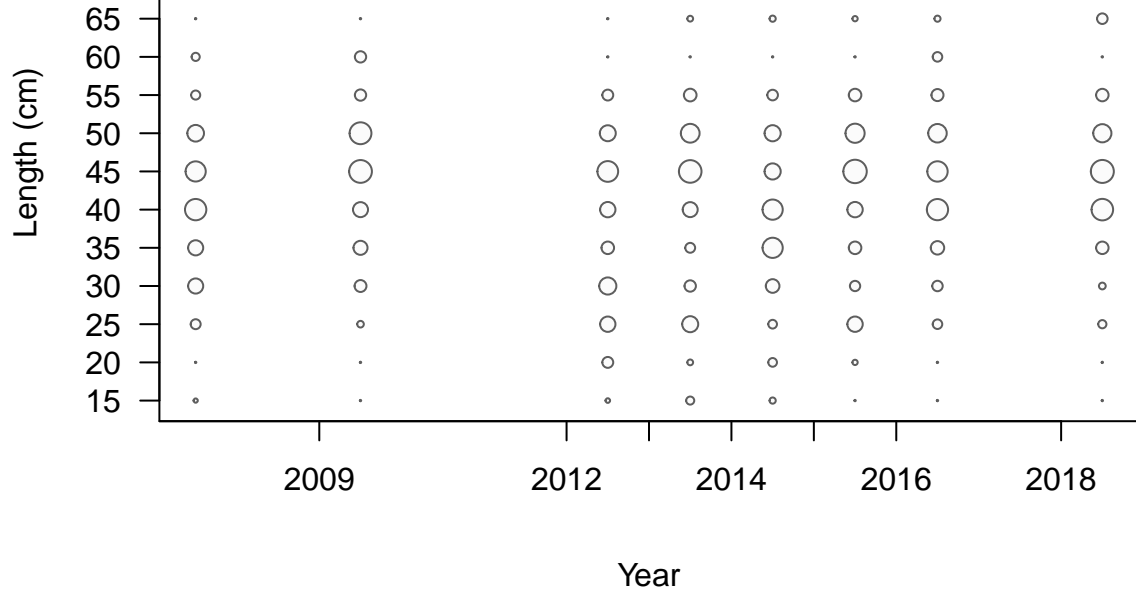




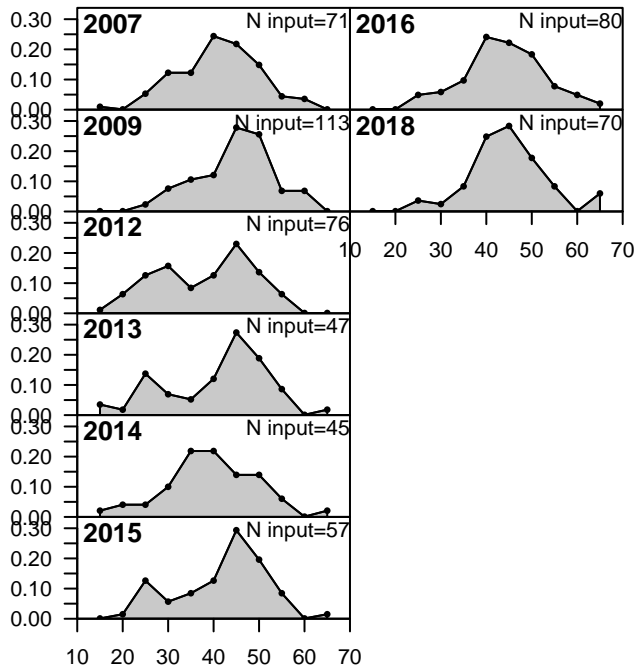


FISHERY

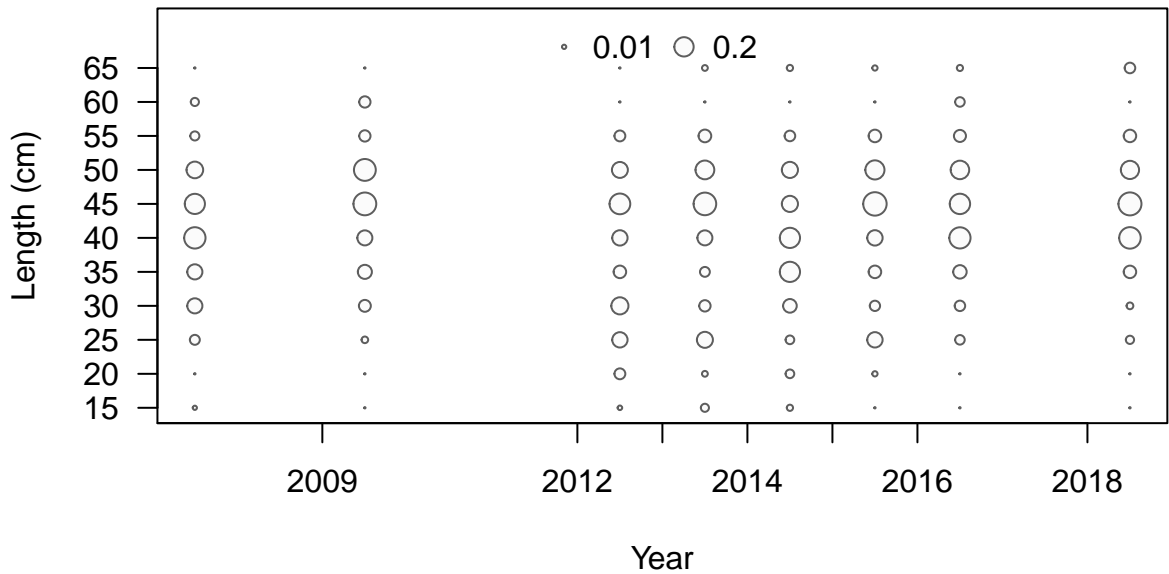
◦ 0.01 ○ 0.2



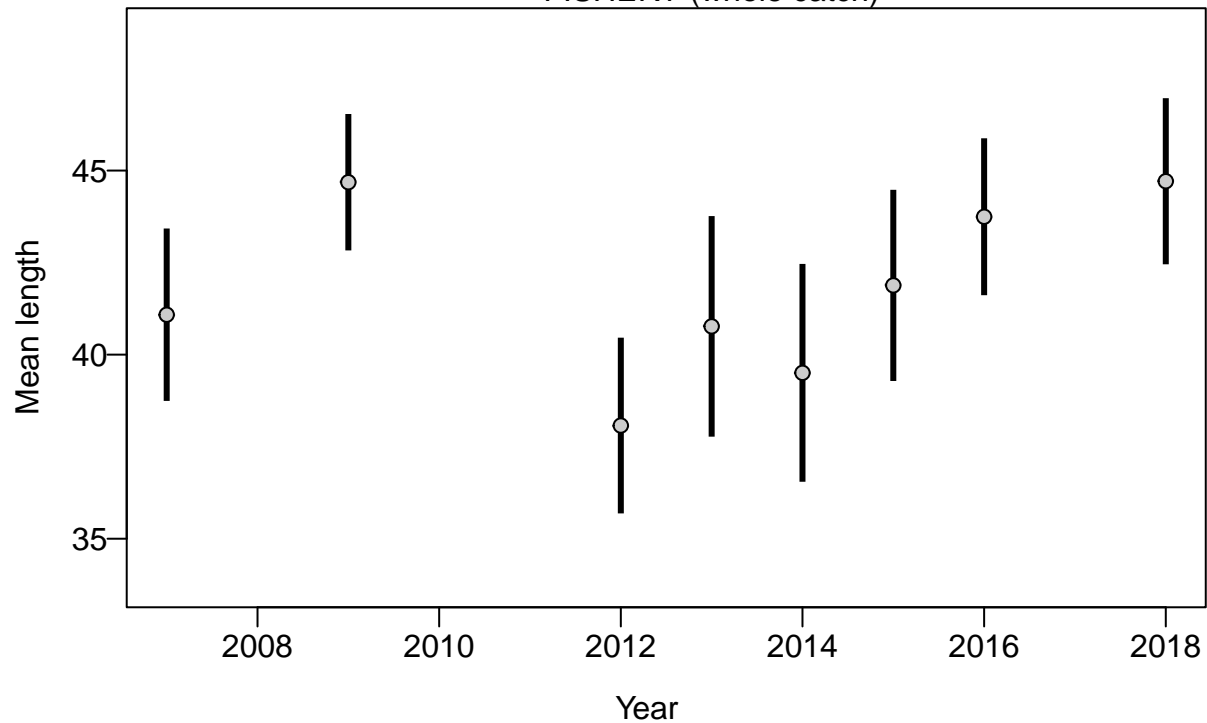
Proportion

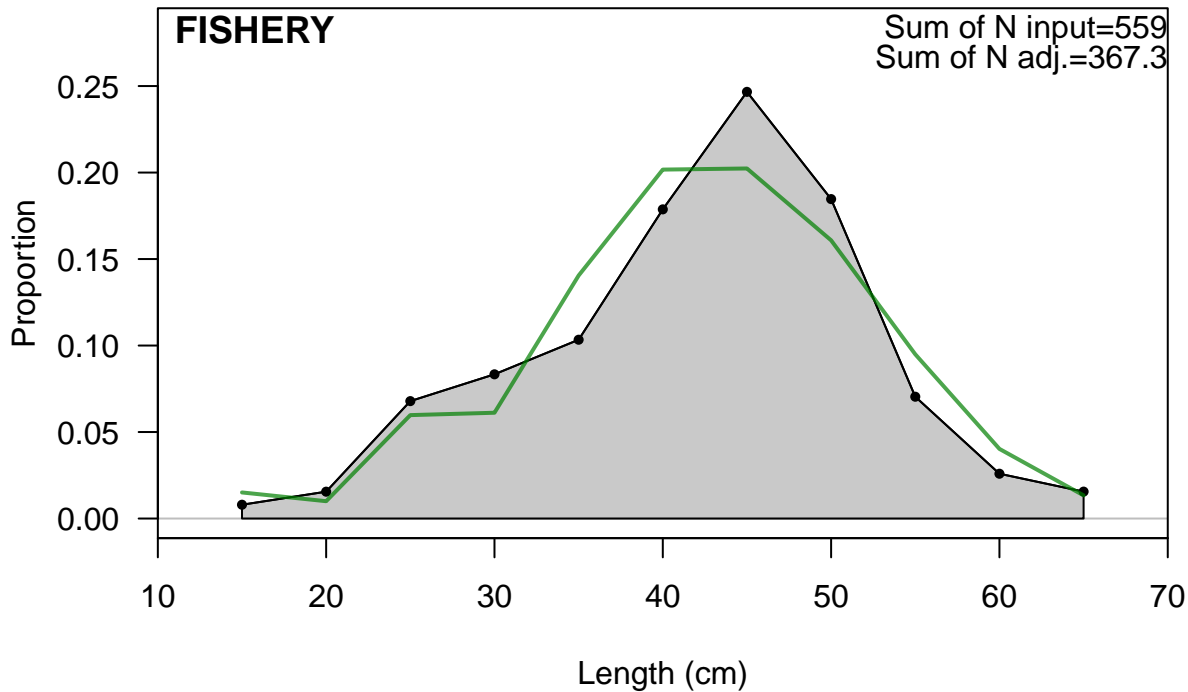


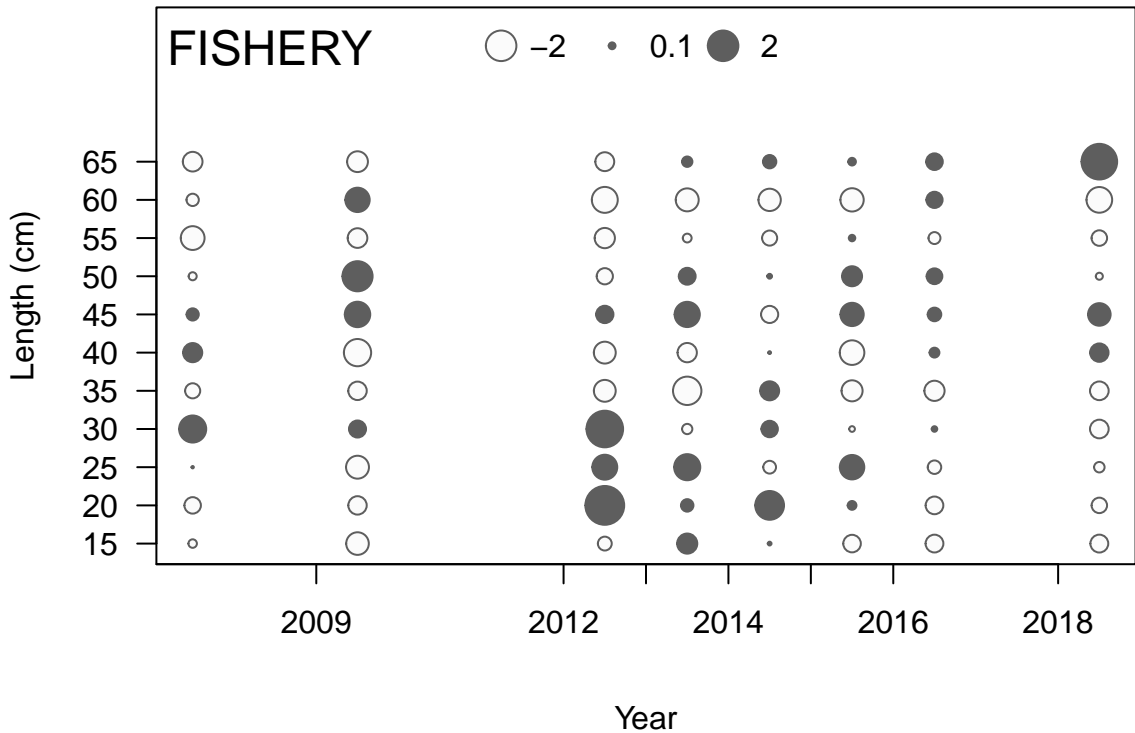
Length (cm)



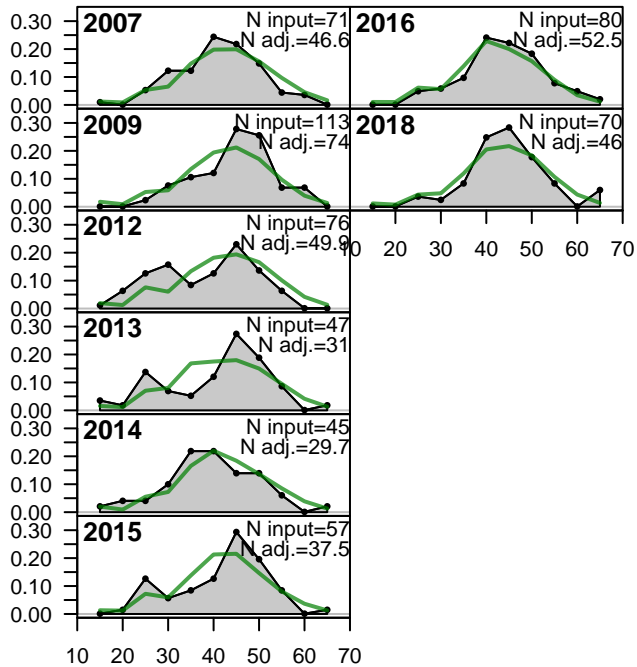
FISHERY (whole catch)



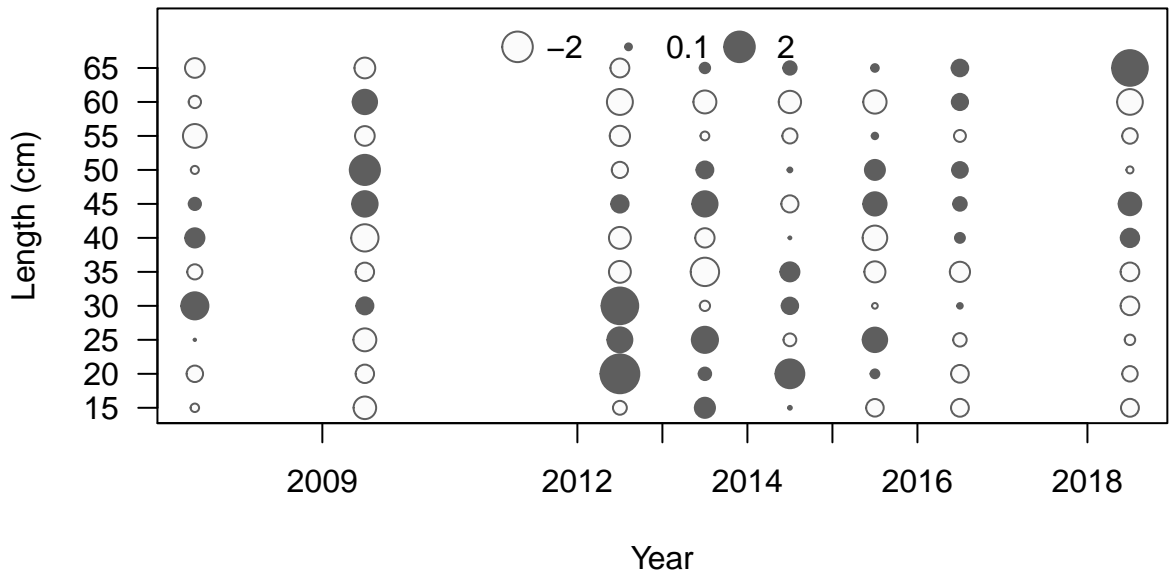




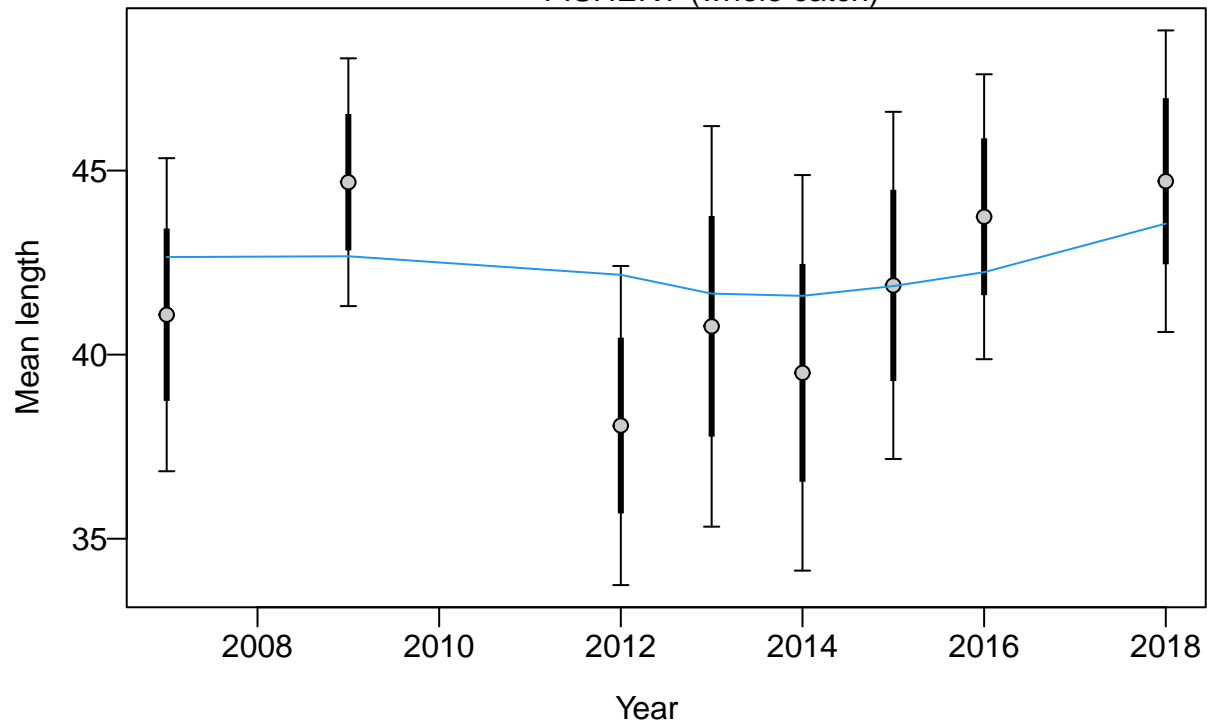
Proportion

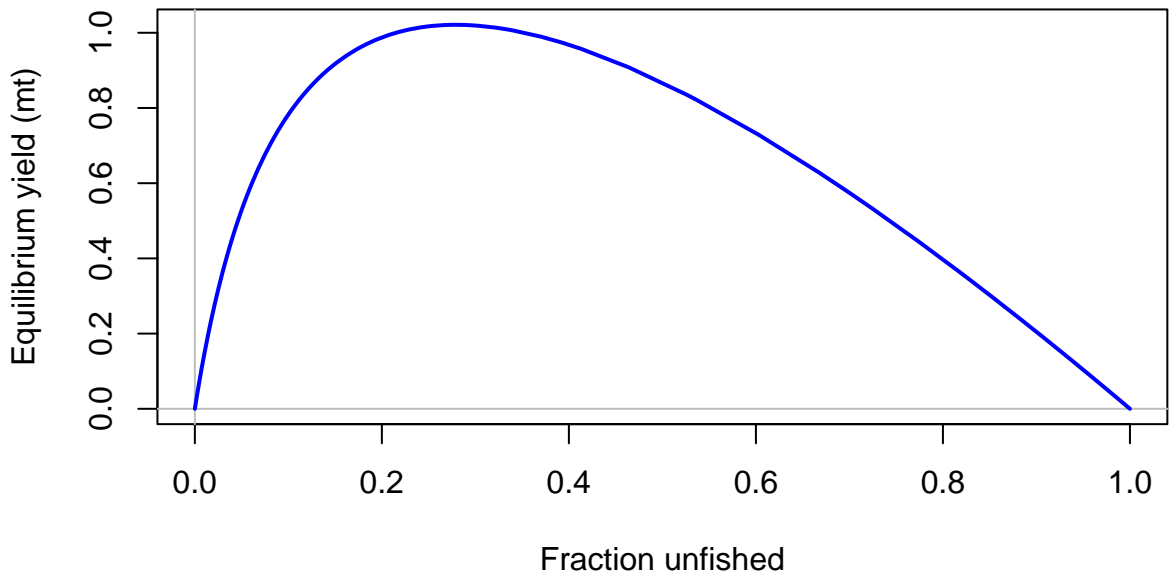


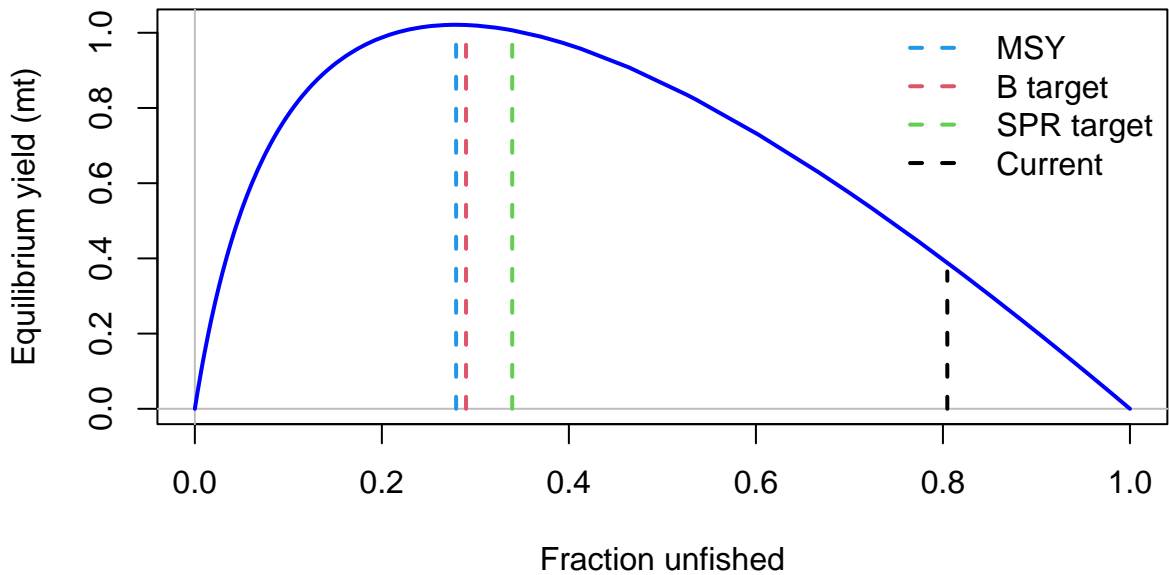
Length (cm)

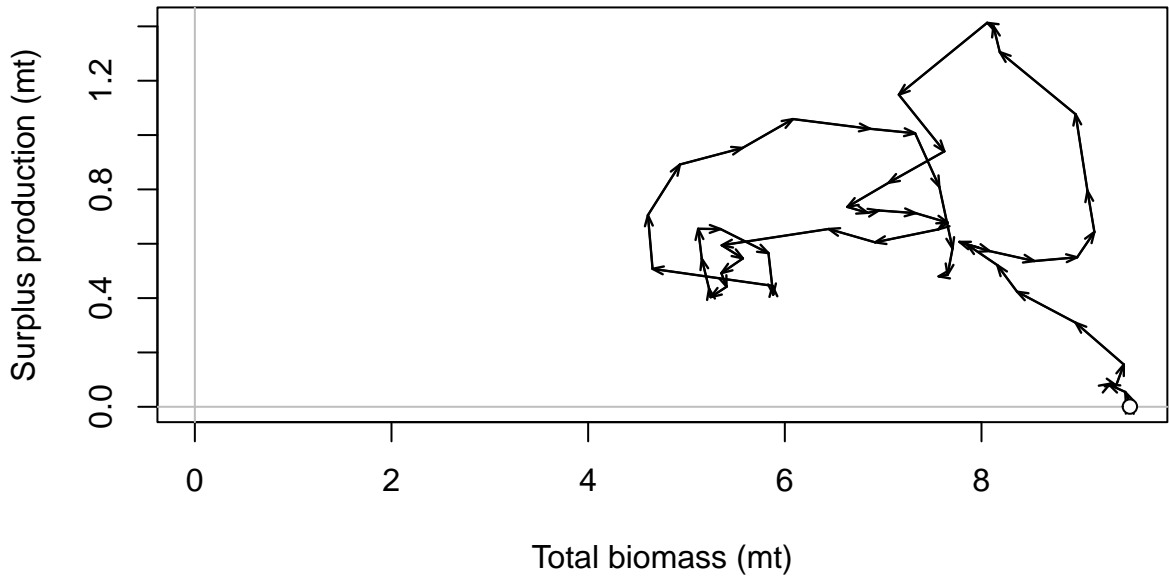


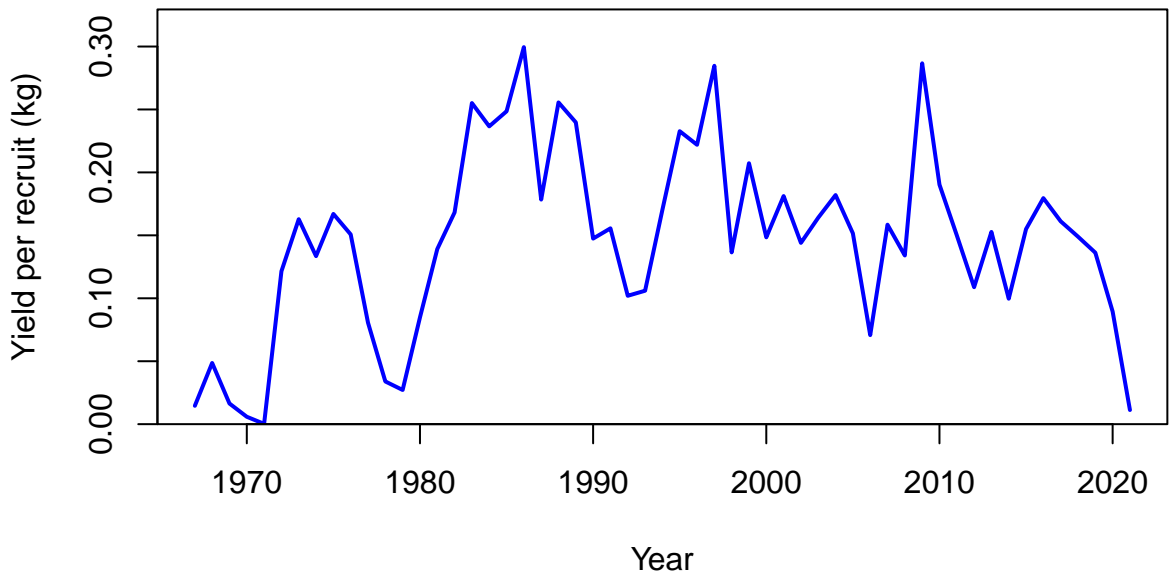
FISHERY (whole catch)

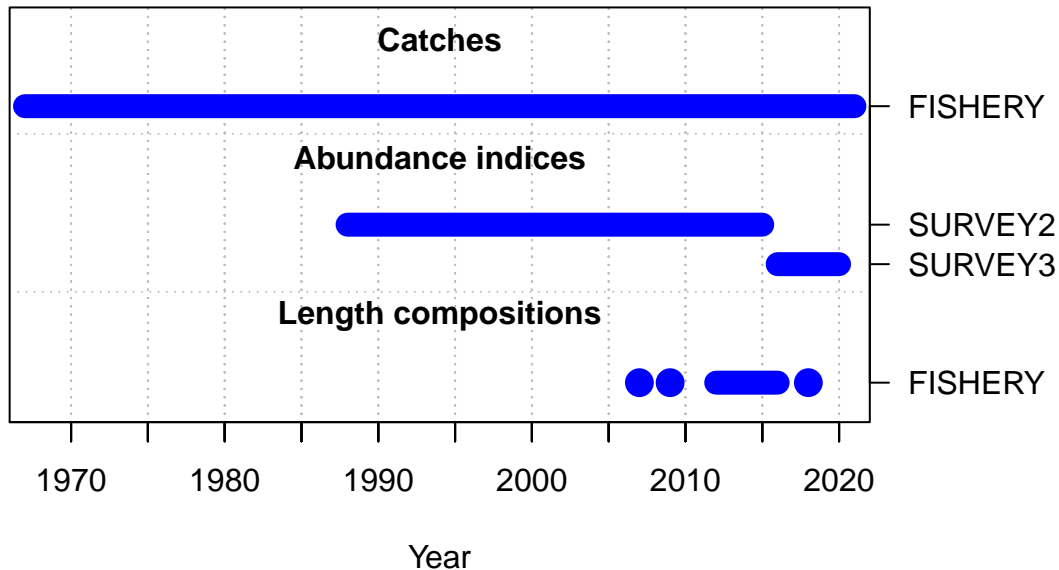


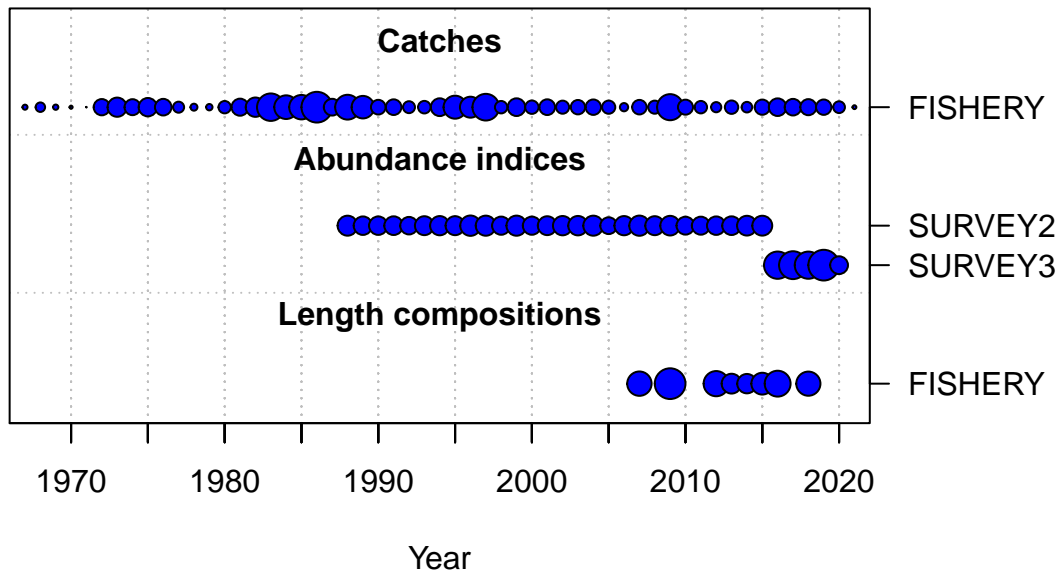




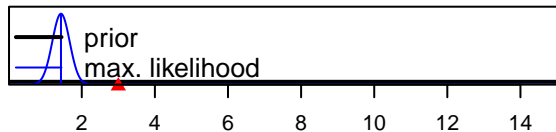




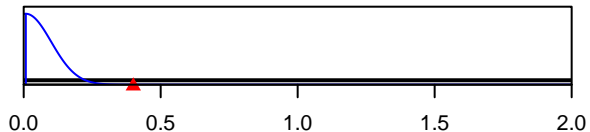




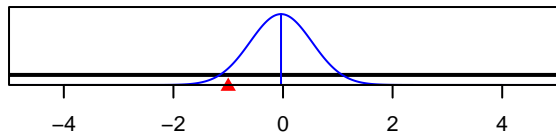
SR_LN(R0)



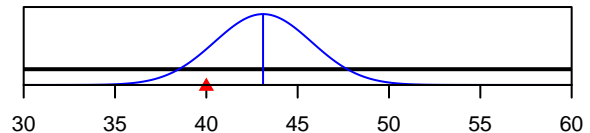
Q_extraSD_SURVEY3(3)



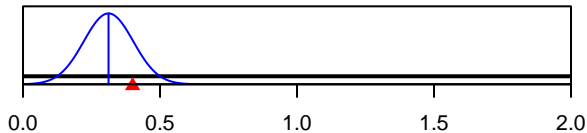
LnQ_base_SURVEY2(2)



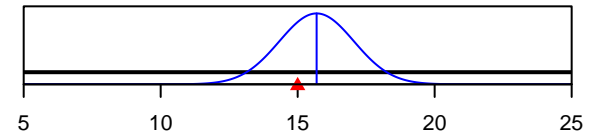
Size_inflection_FISHERY(1)



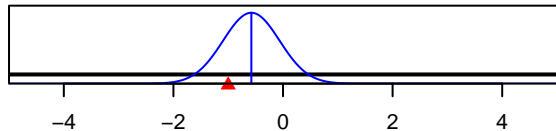
Q_extraSD_SURVEY2(2)



Size_95%width_FISHERY(1)



LnQ_base_SURVEY3(3)



ln(DM_theta)_1

