

Plots created using the 'r4ss' package in R

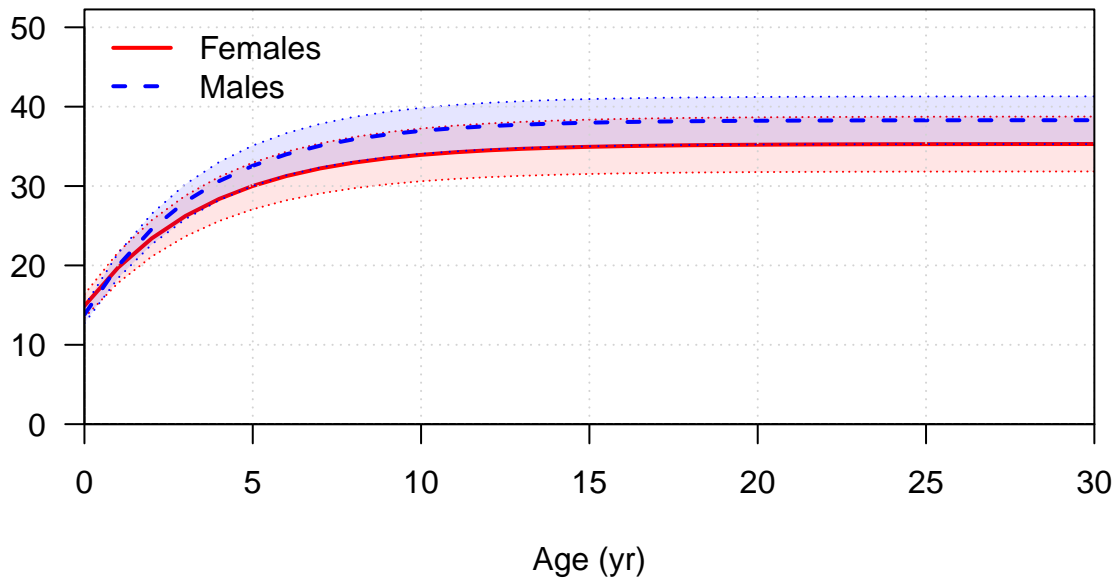
Stock Synthesis version: 3.30.19.0

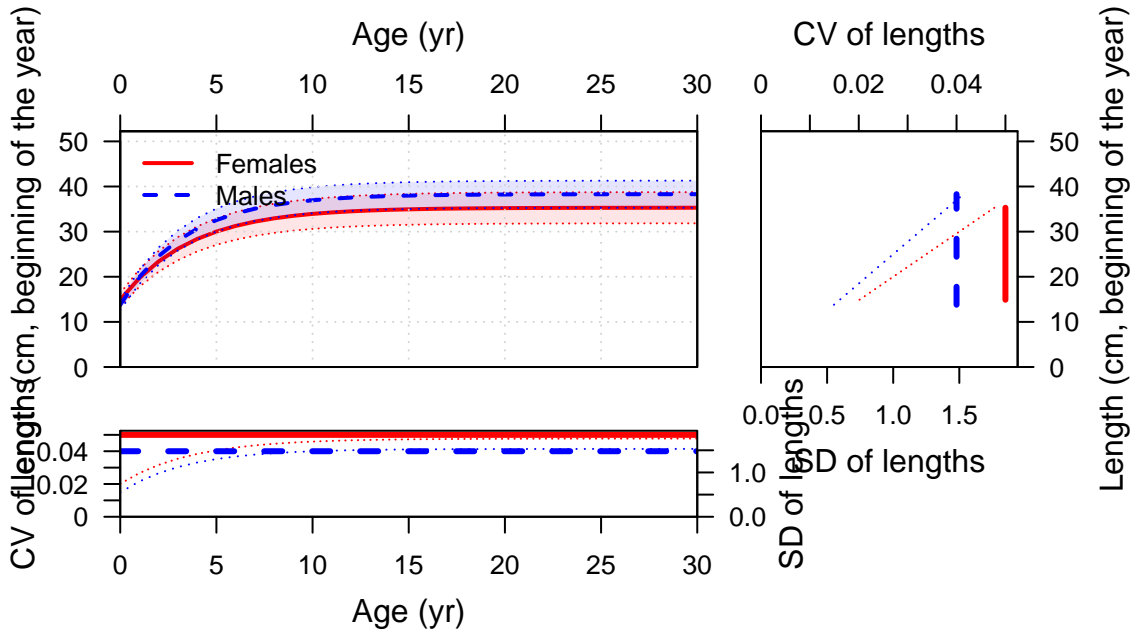
StartTime: Fri Jul 29 15:37:34 2022

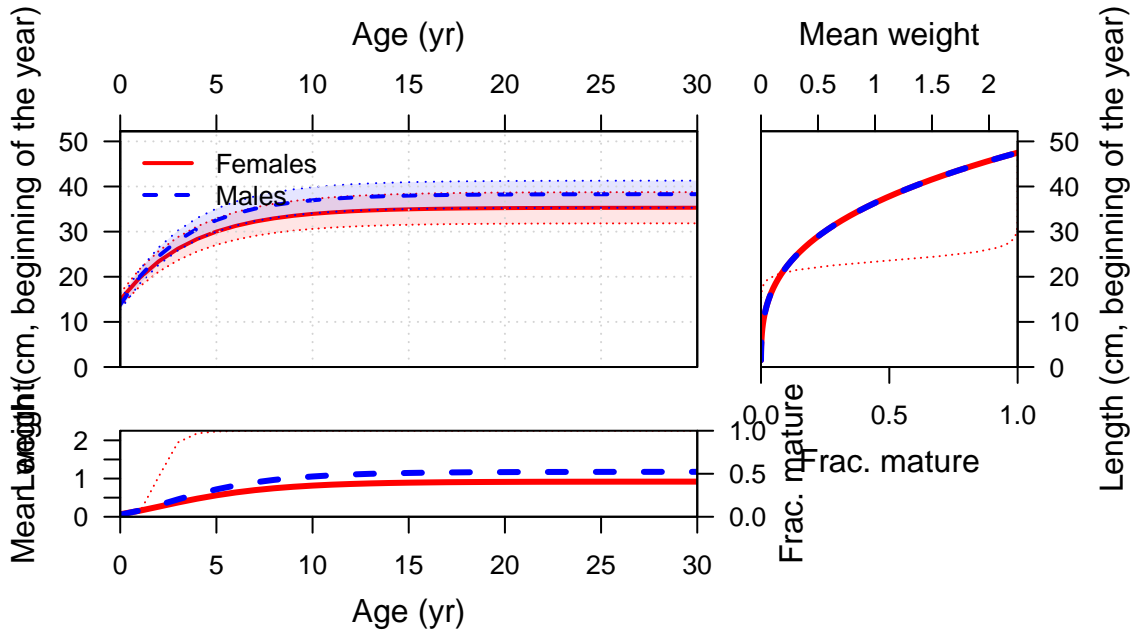
Data\_File: data.ss

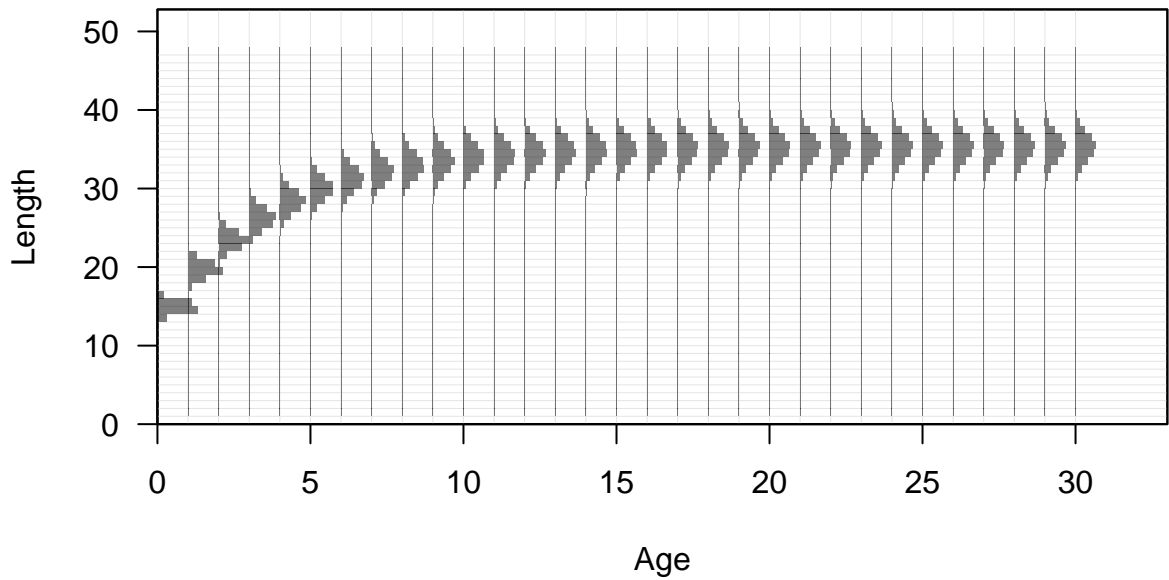
Control\_File: control.ss

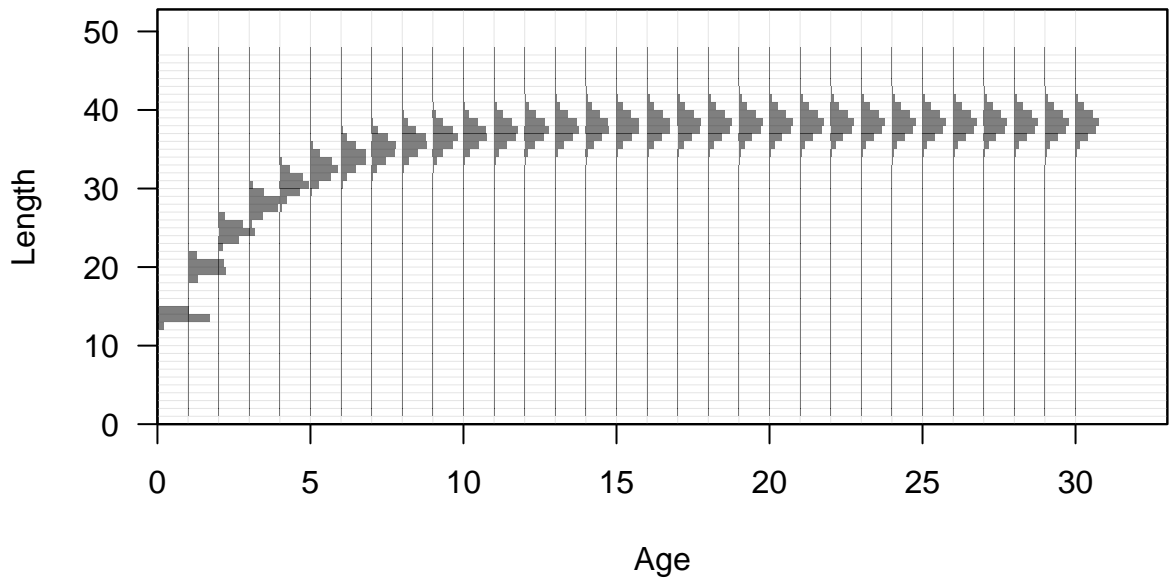
Length (cm, beginning of the year)

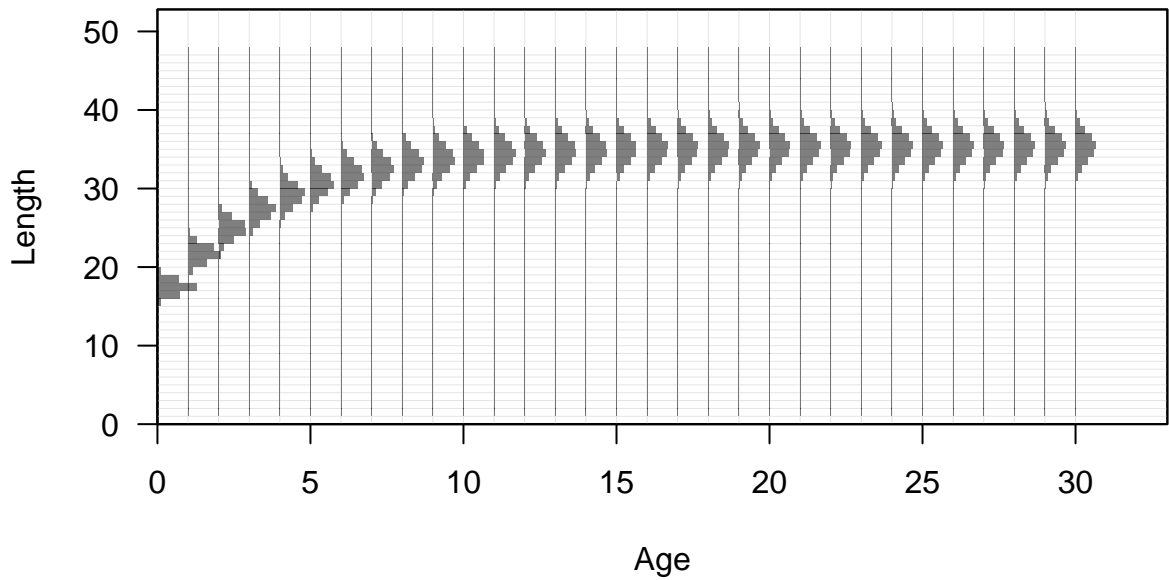


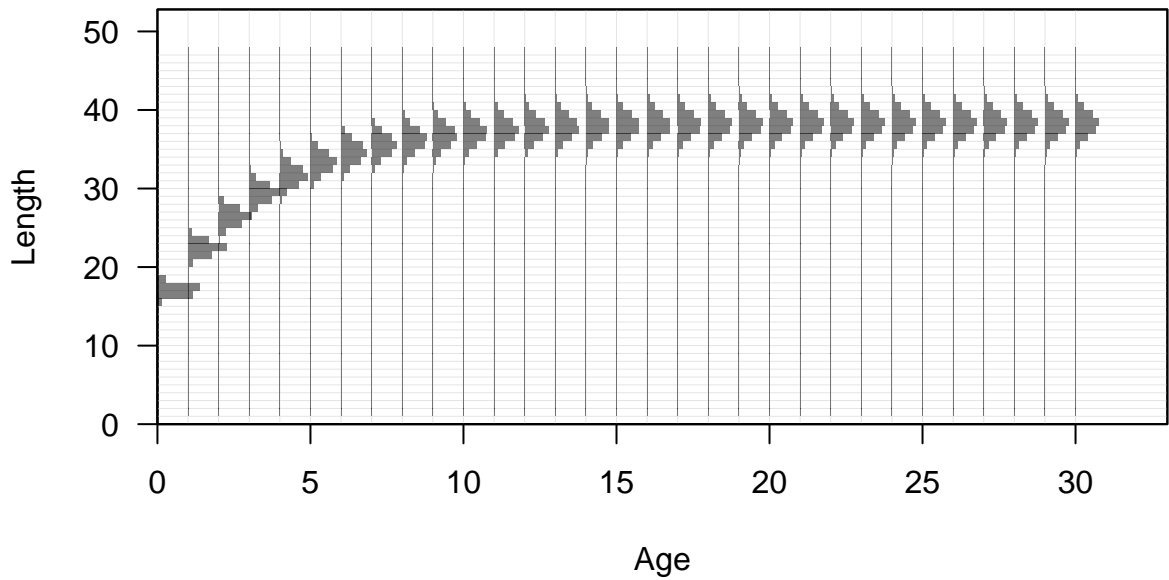




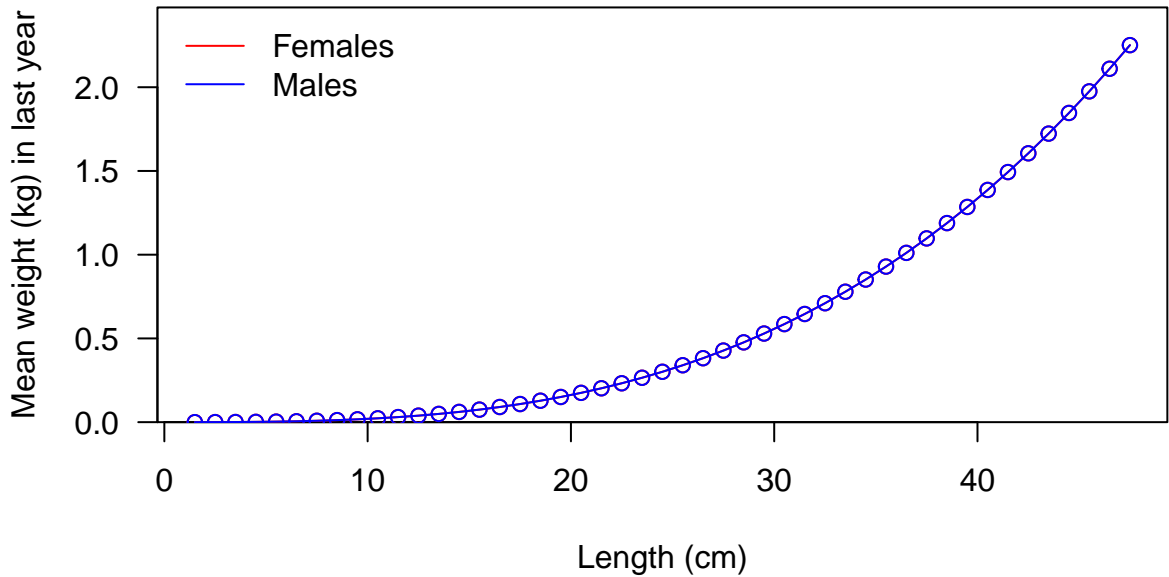


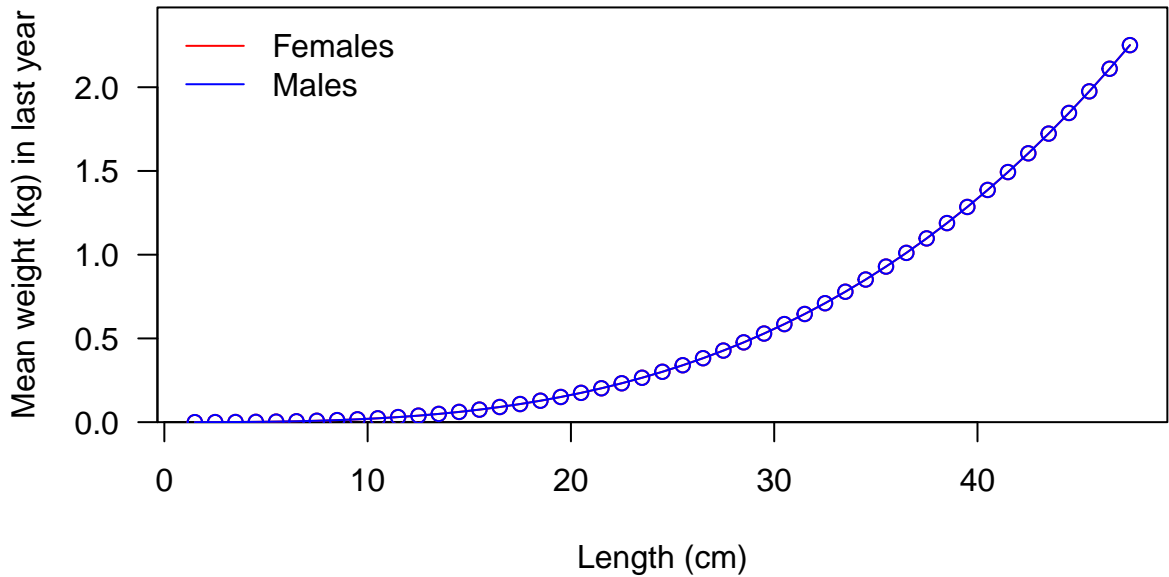


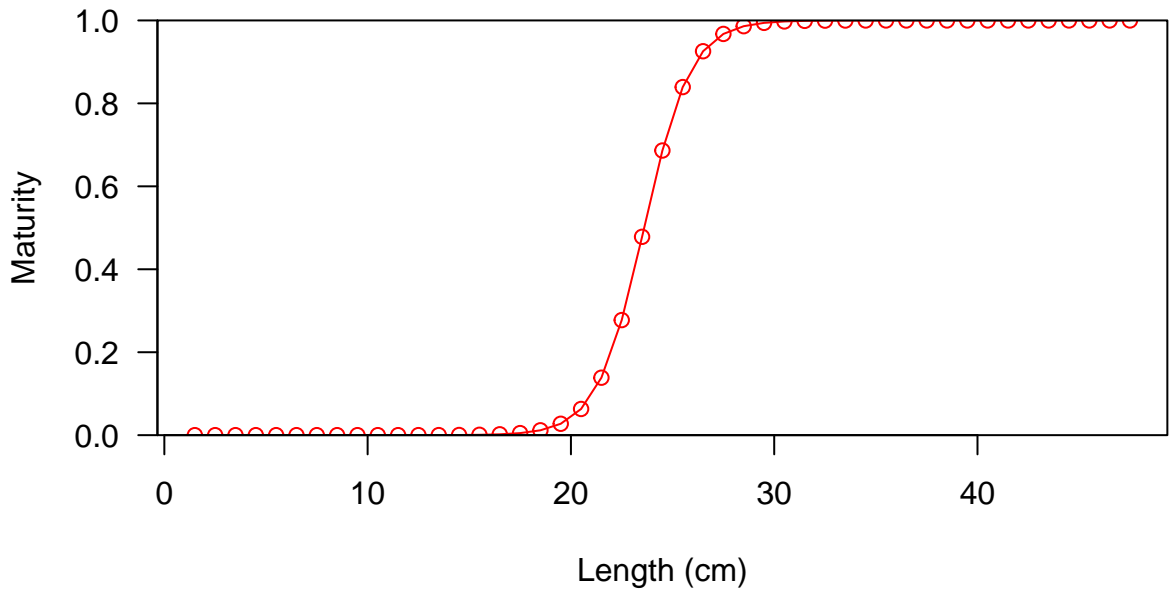


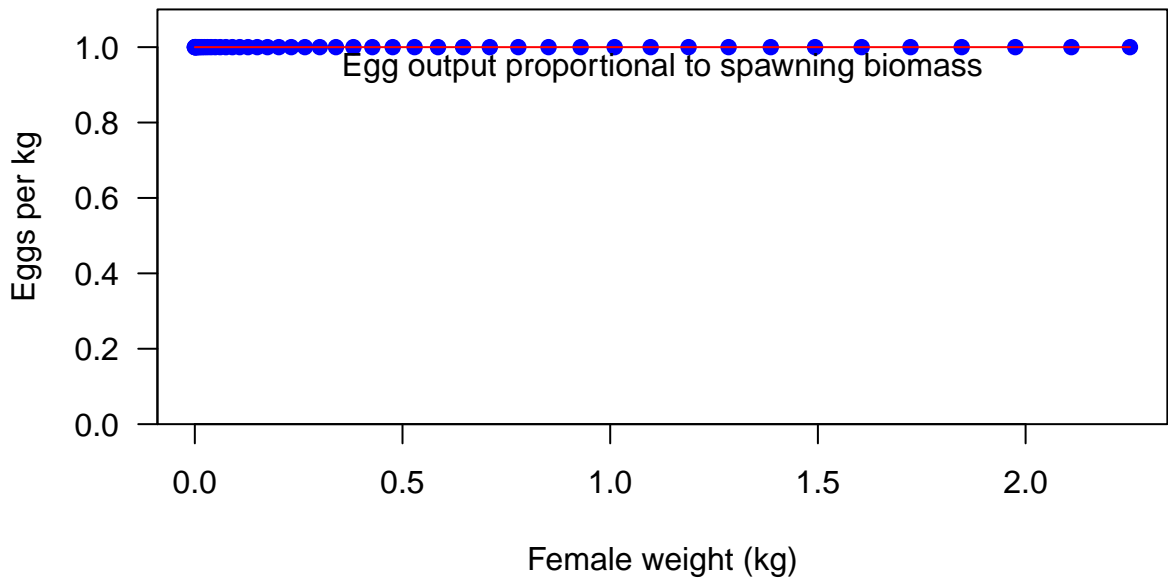


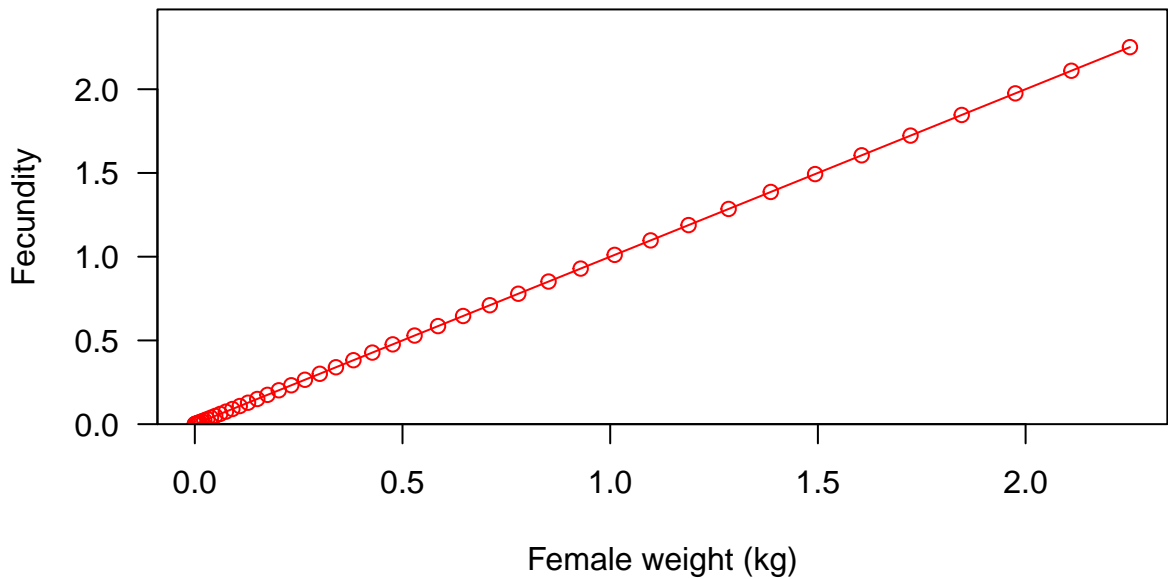


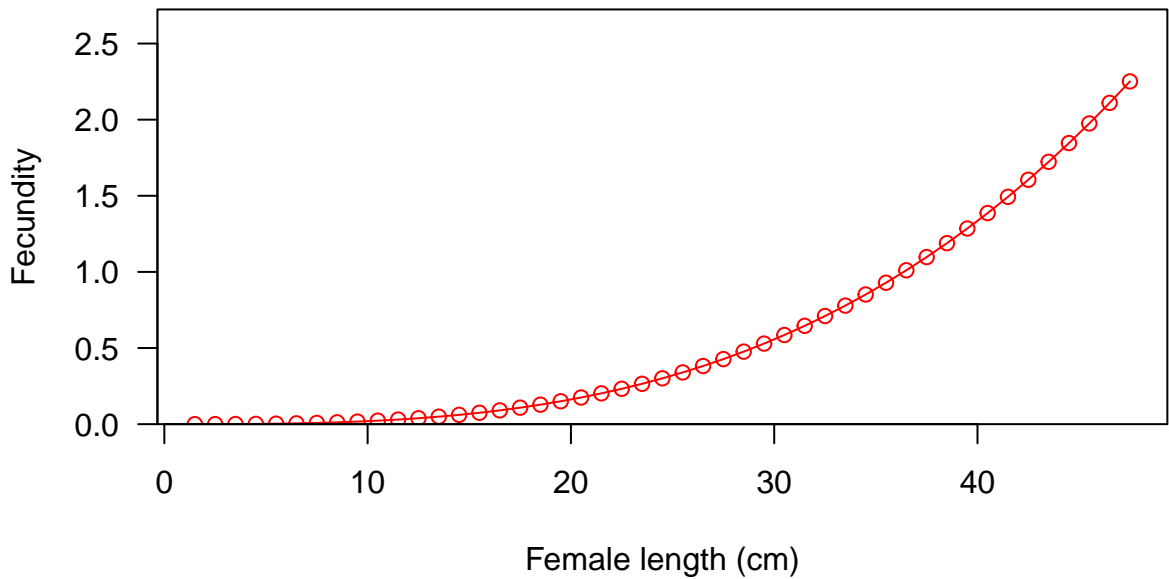


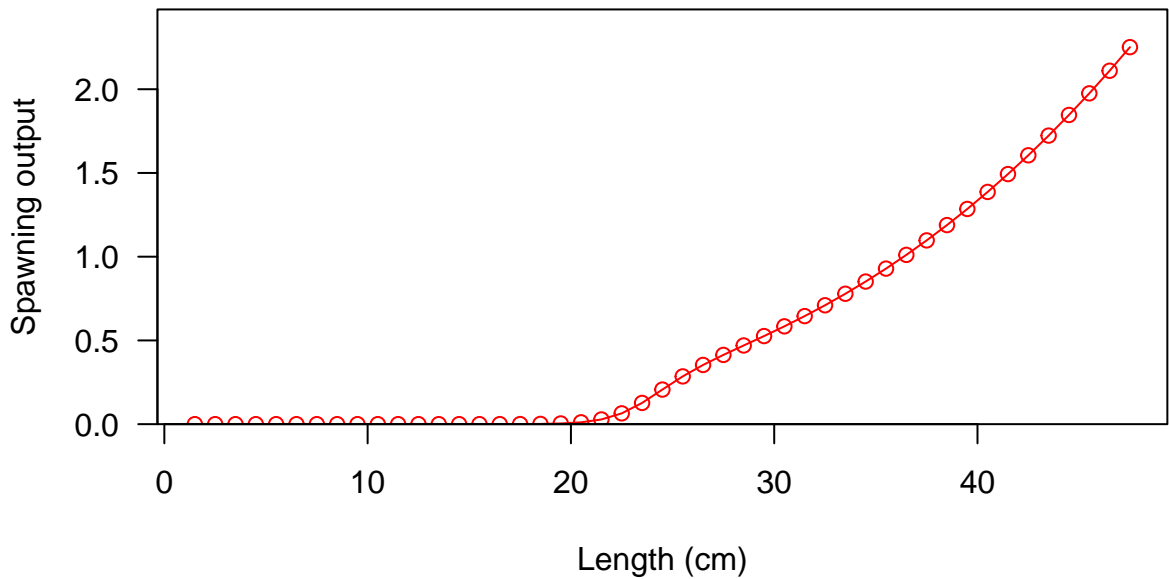


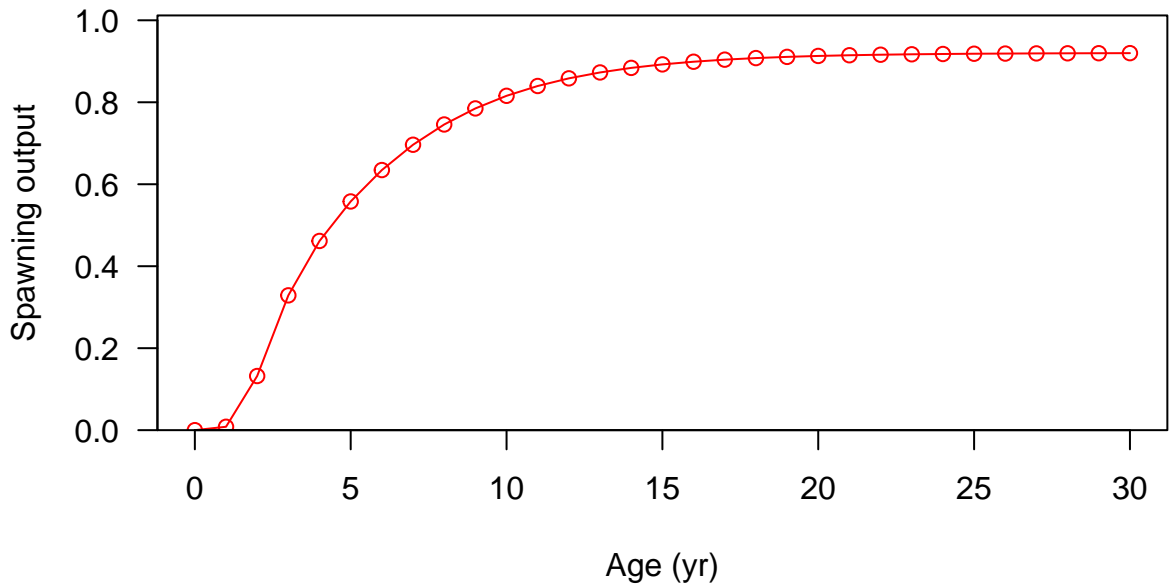






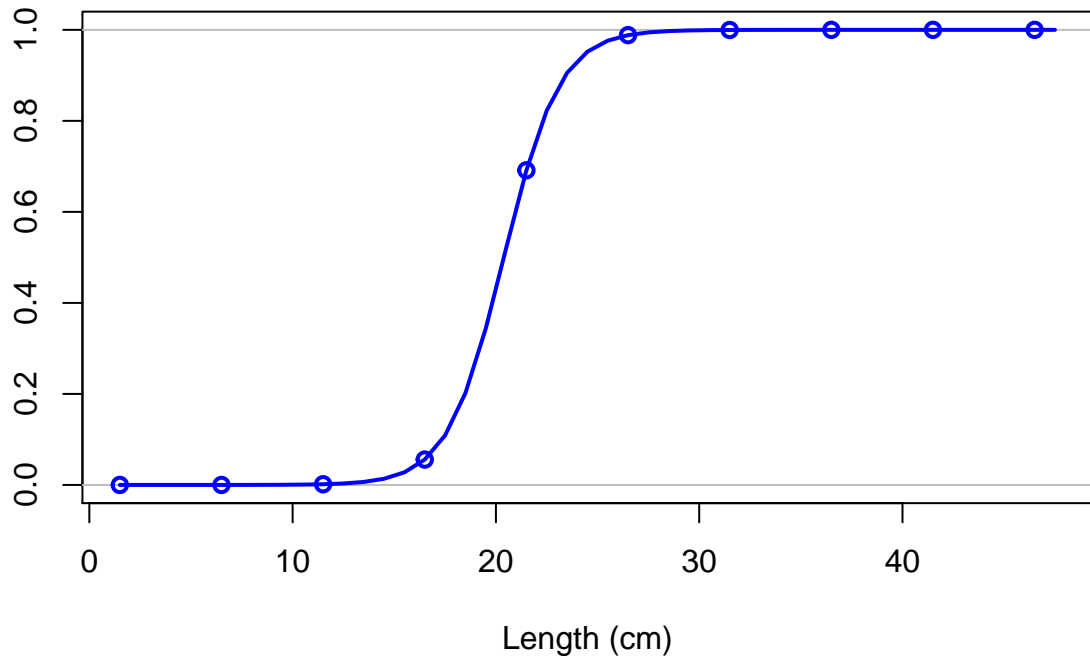




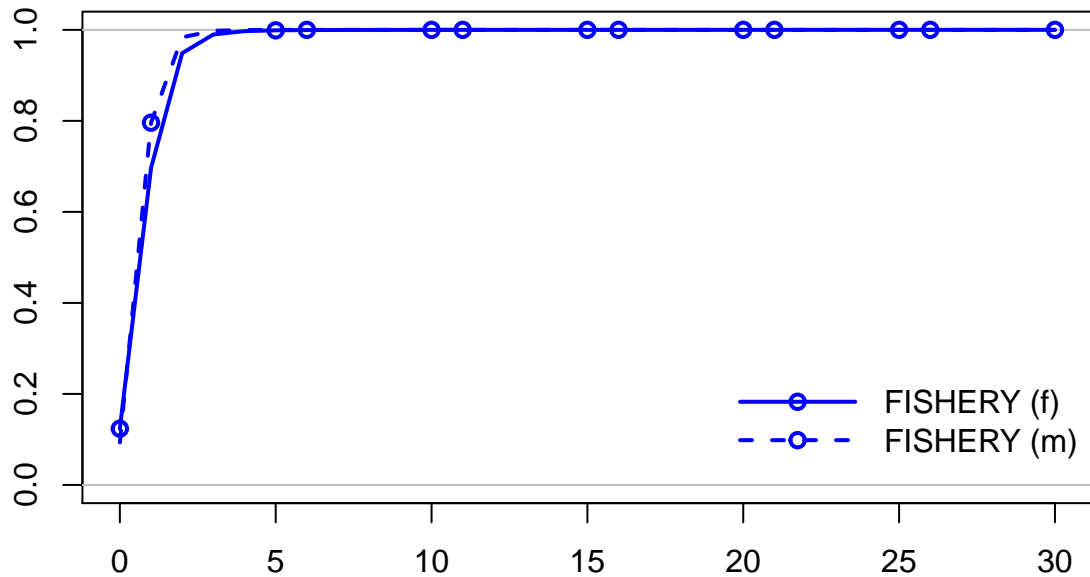




Selectivity

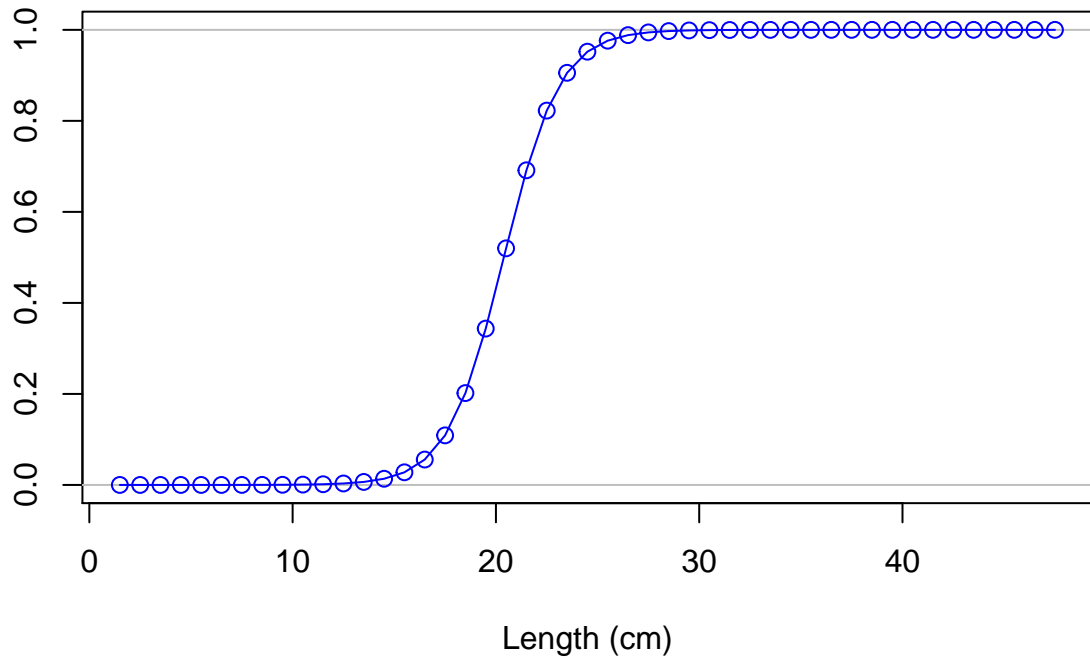


Selectivity

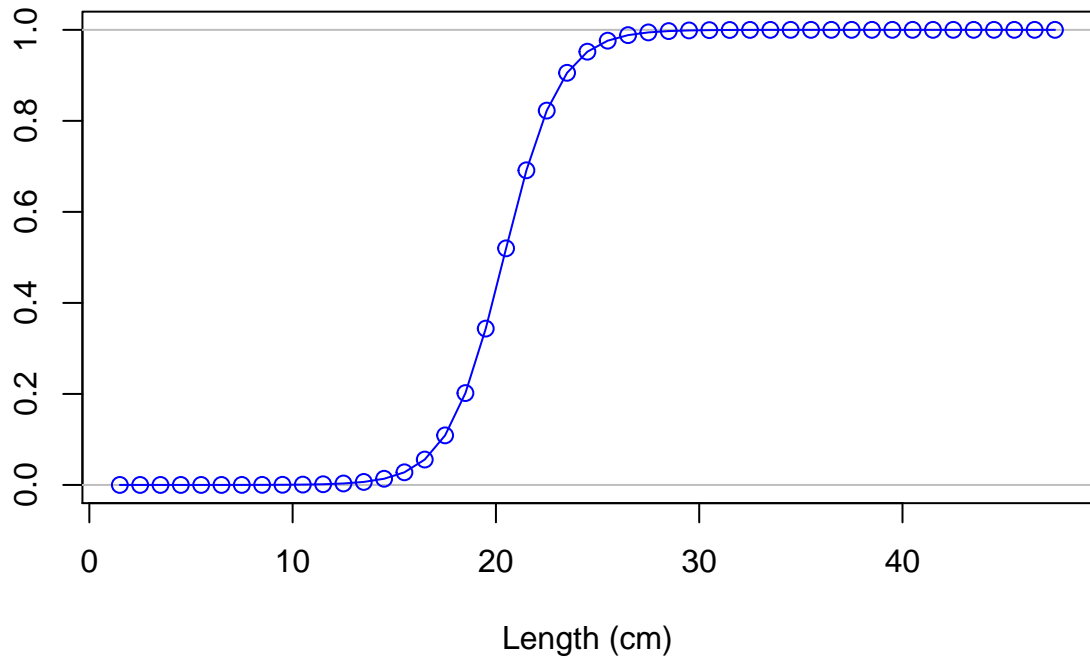


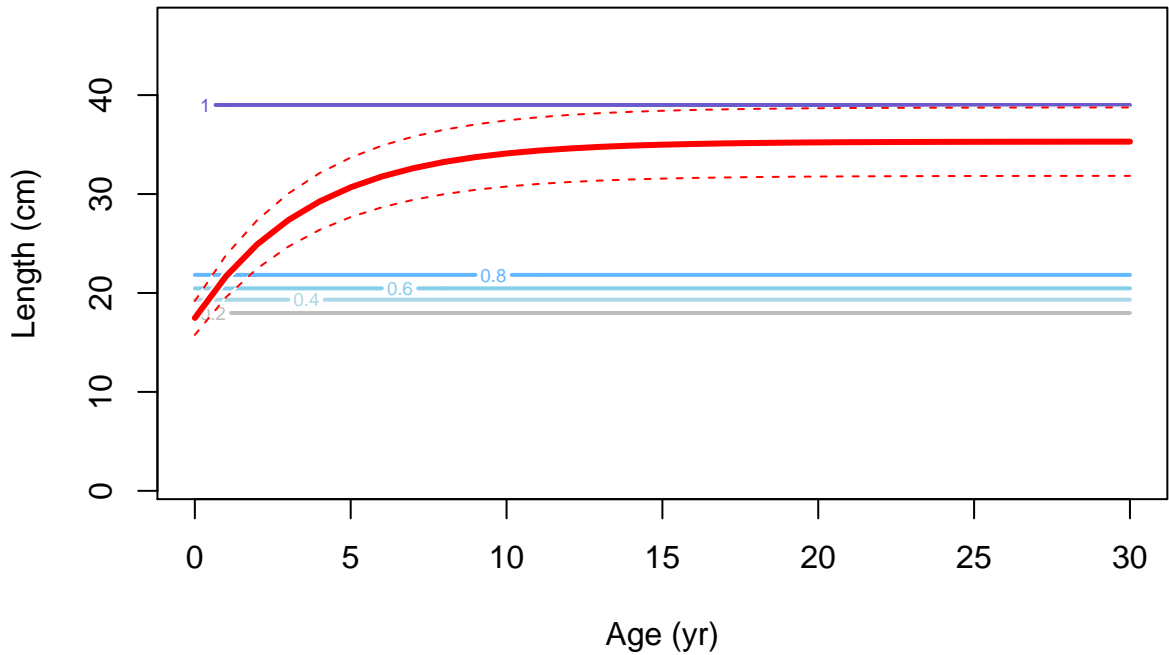
Age (yr)

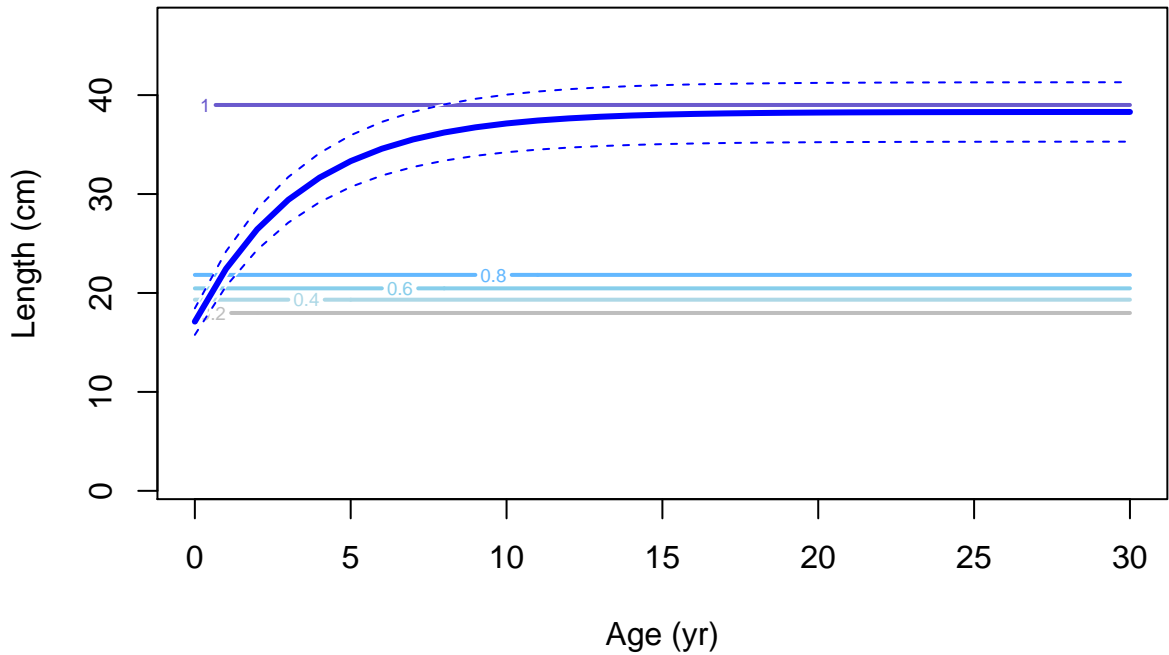
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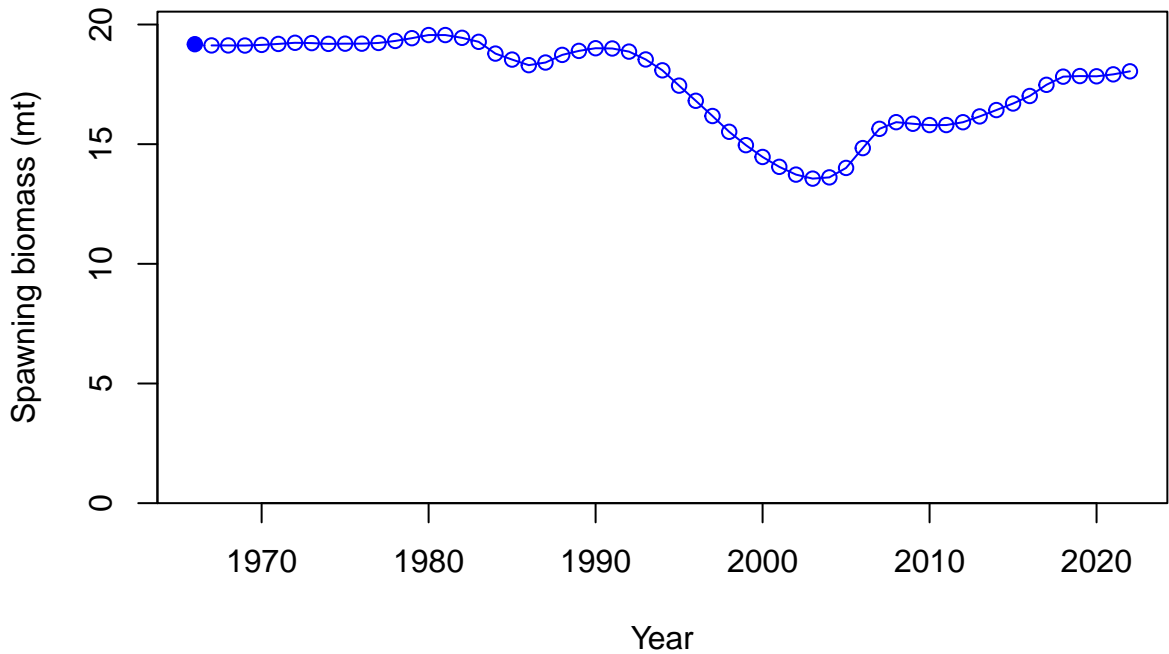


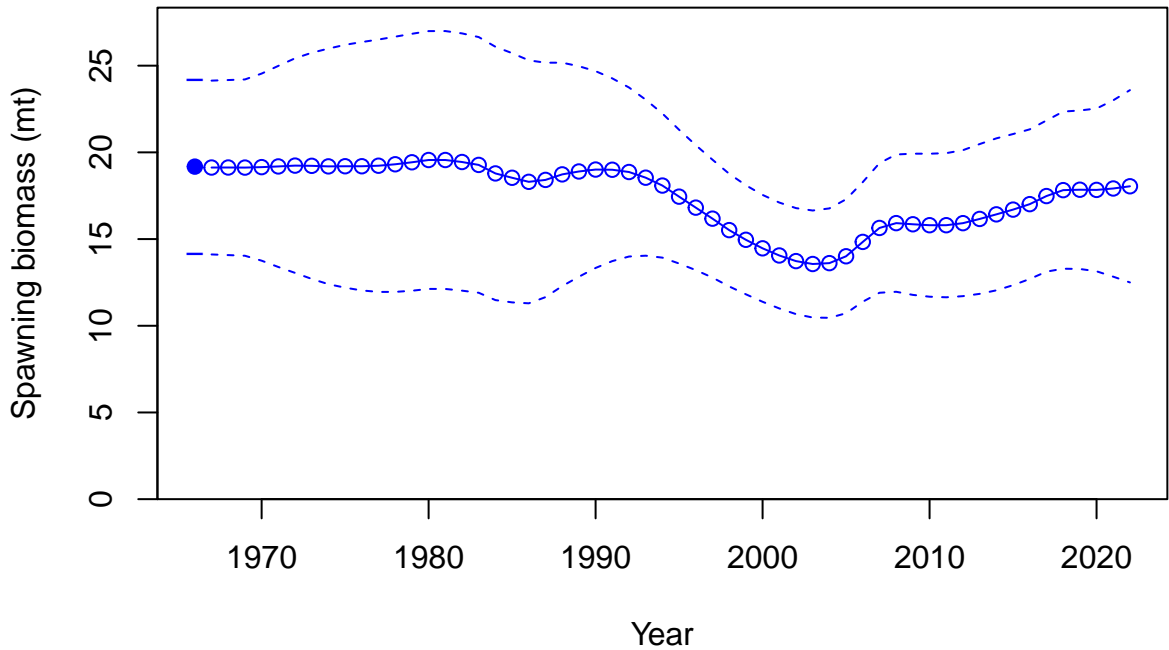
Selectivity





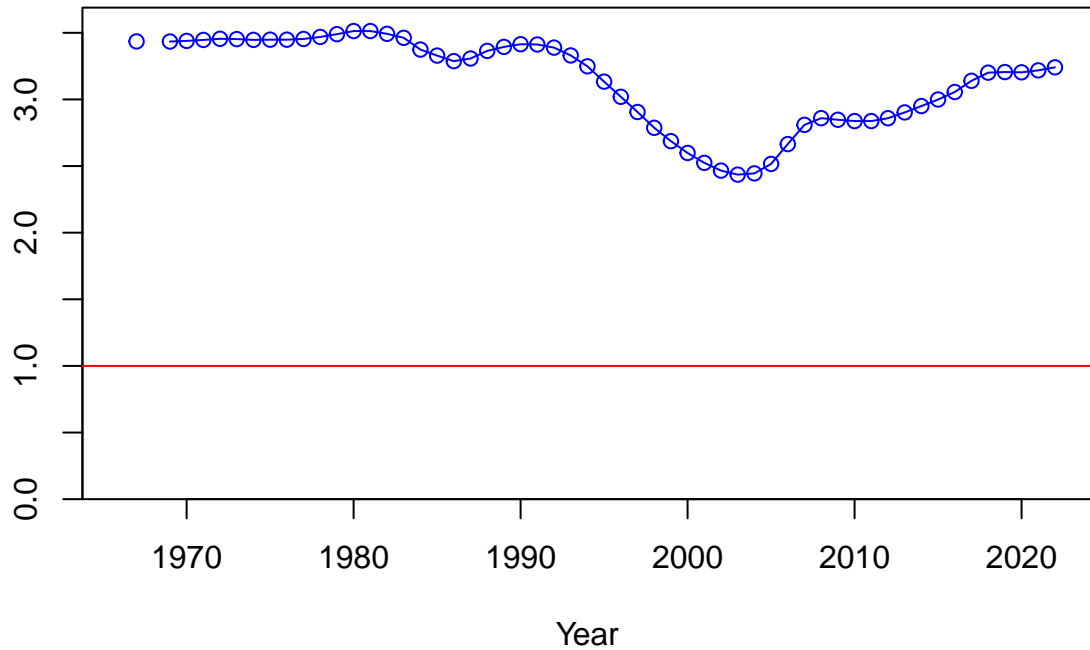




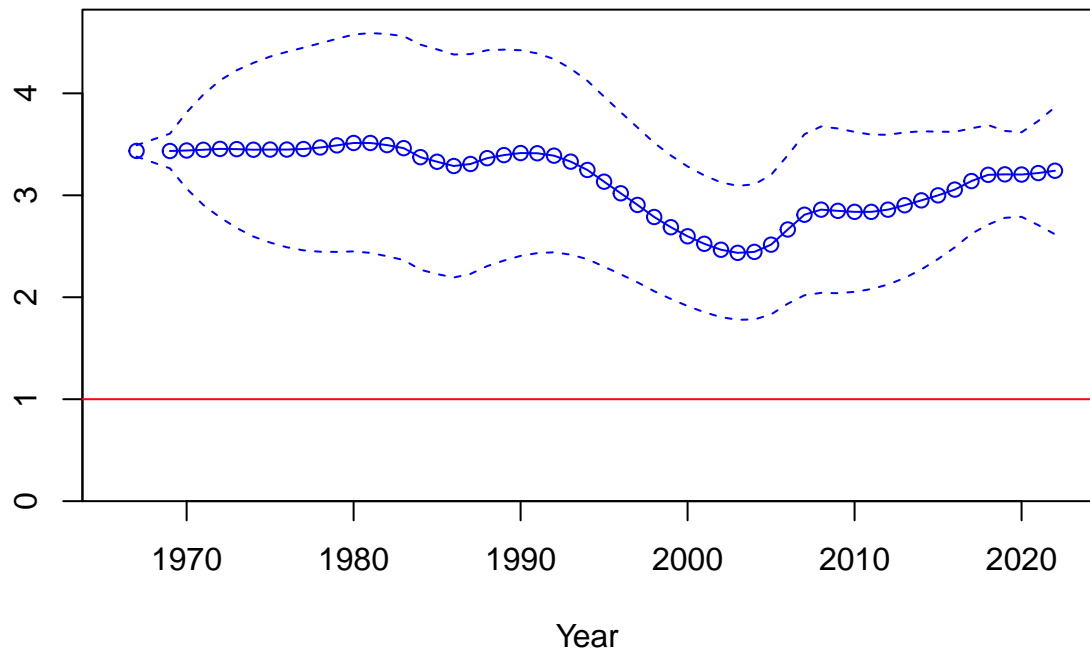


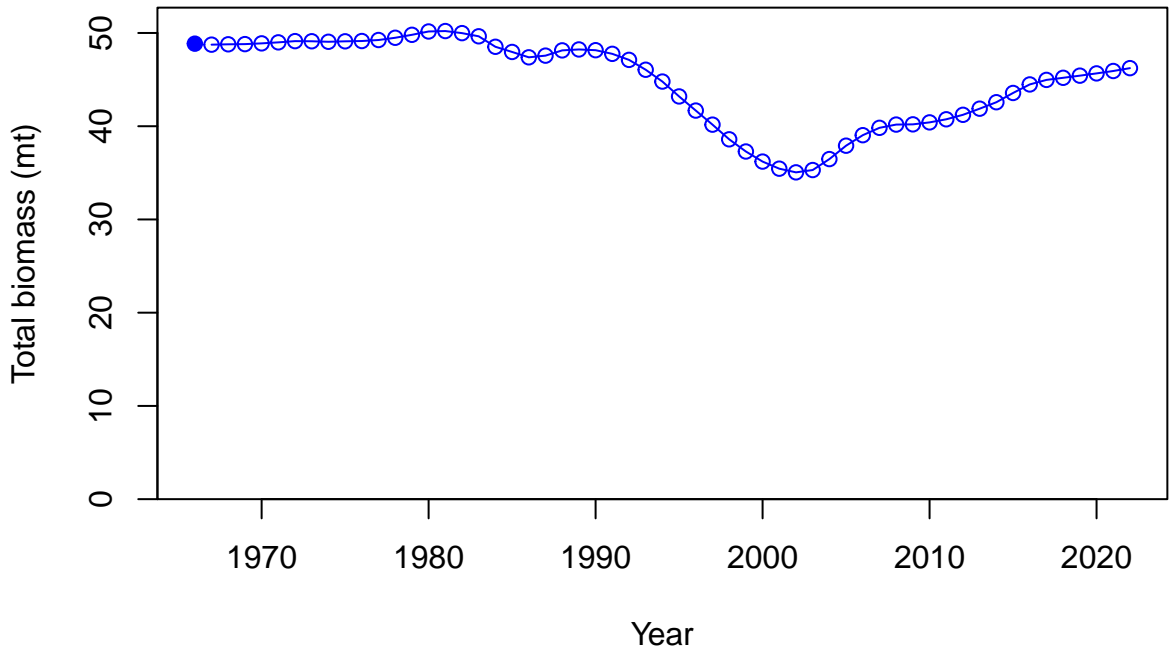


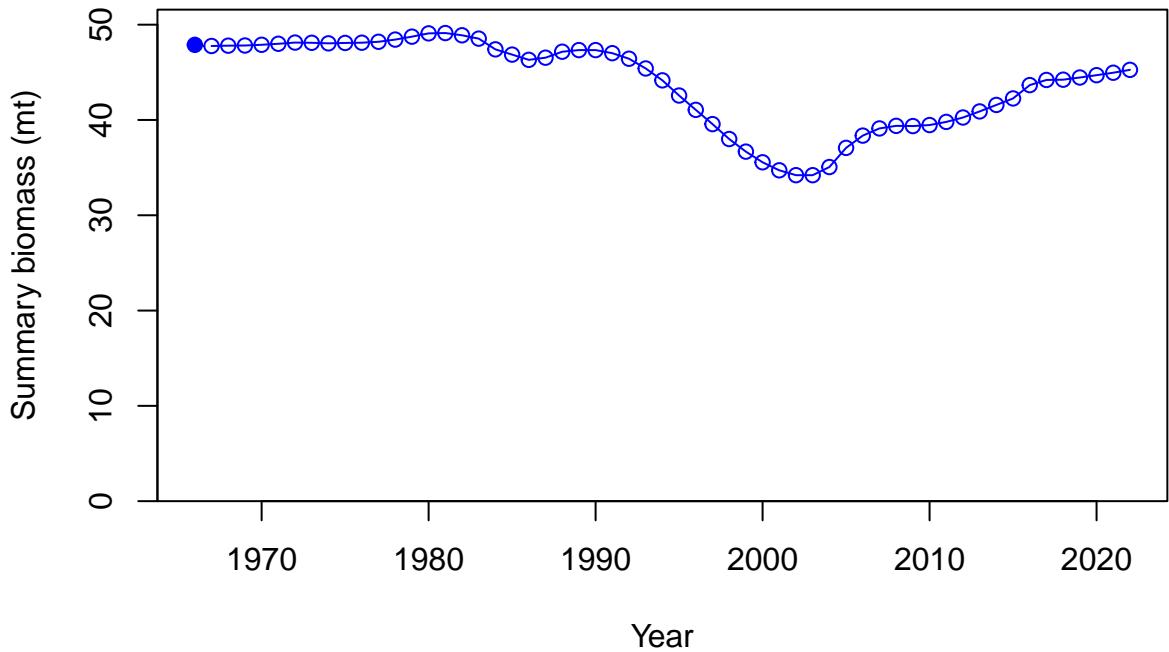
Relative spawning biomass:  $B/B_{MSY}$



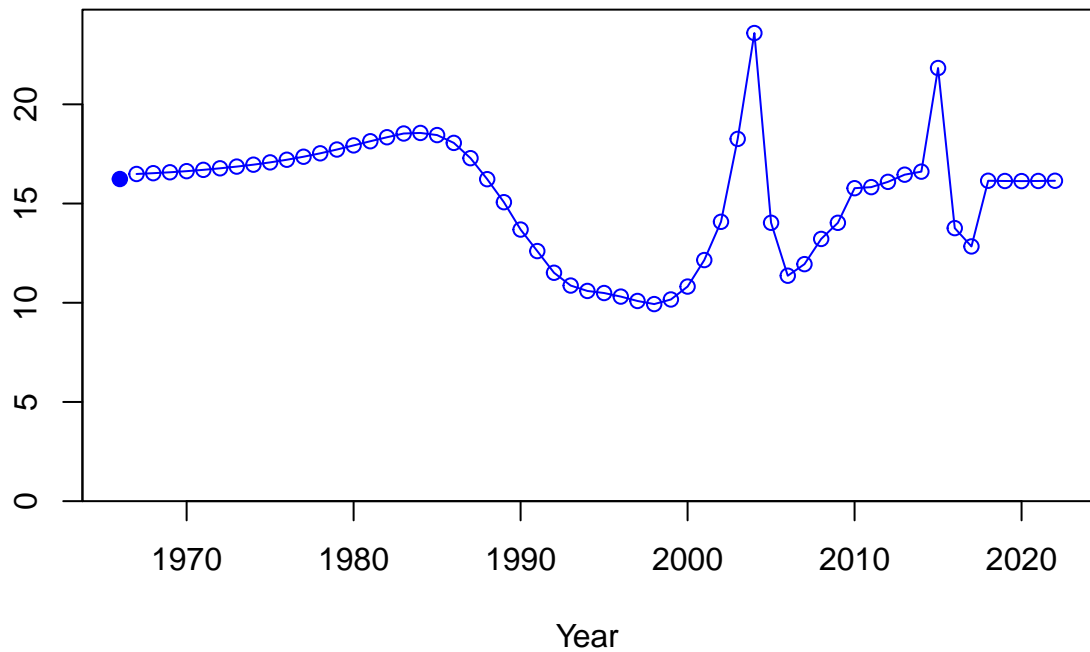
Relative spawning biomass:  $B/B_{MSY}$



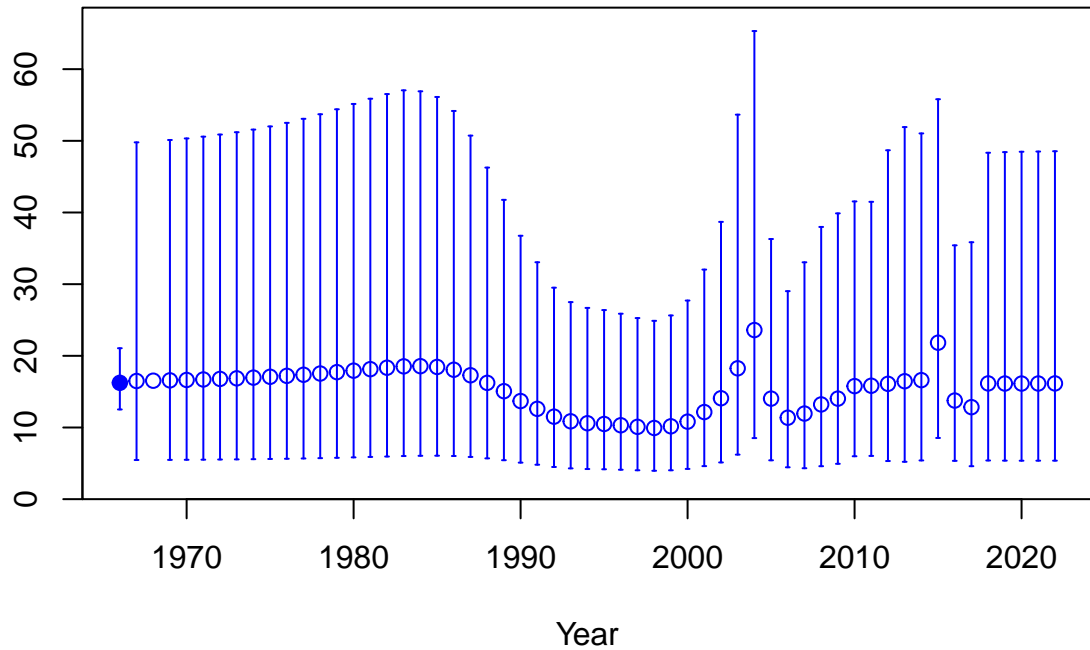




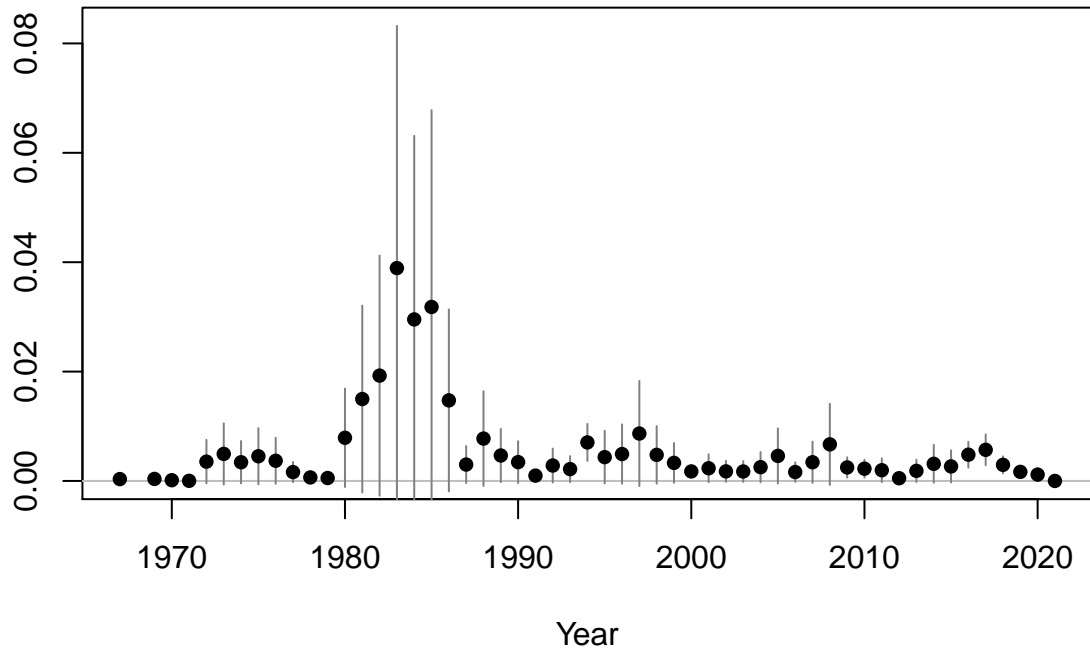
Age-0 recruits (1,000s)

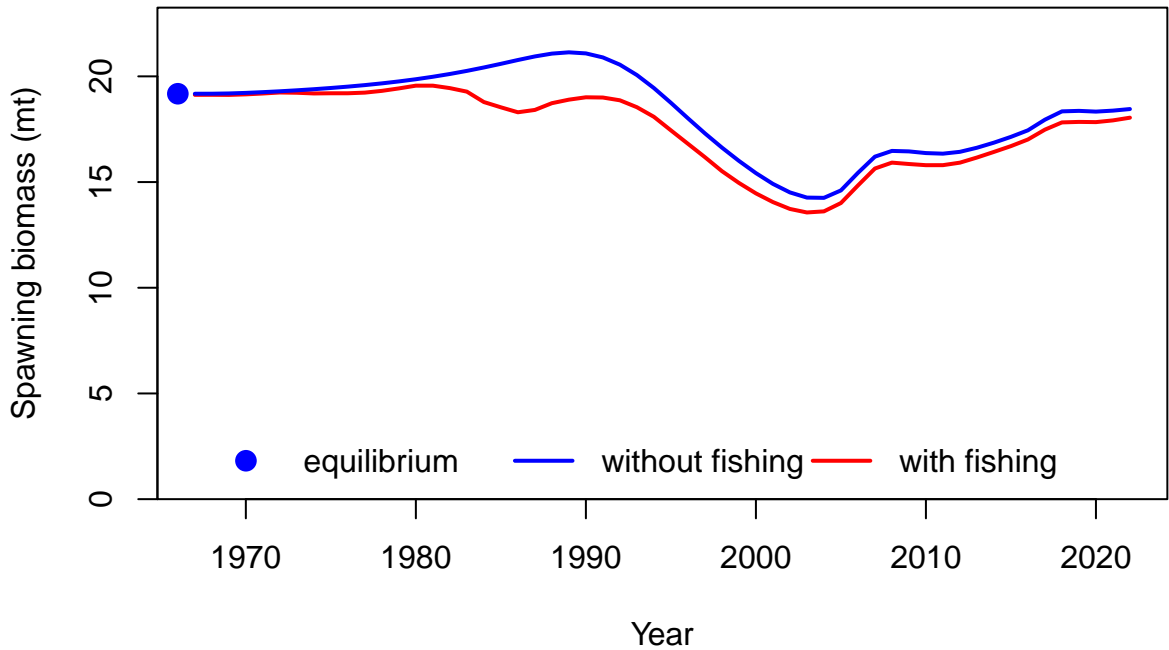


Age-0 recruits (1,000s)



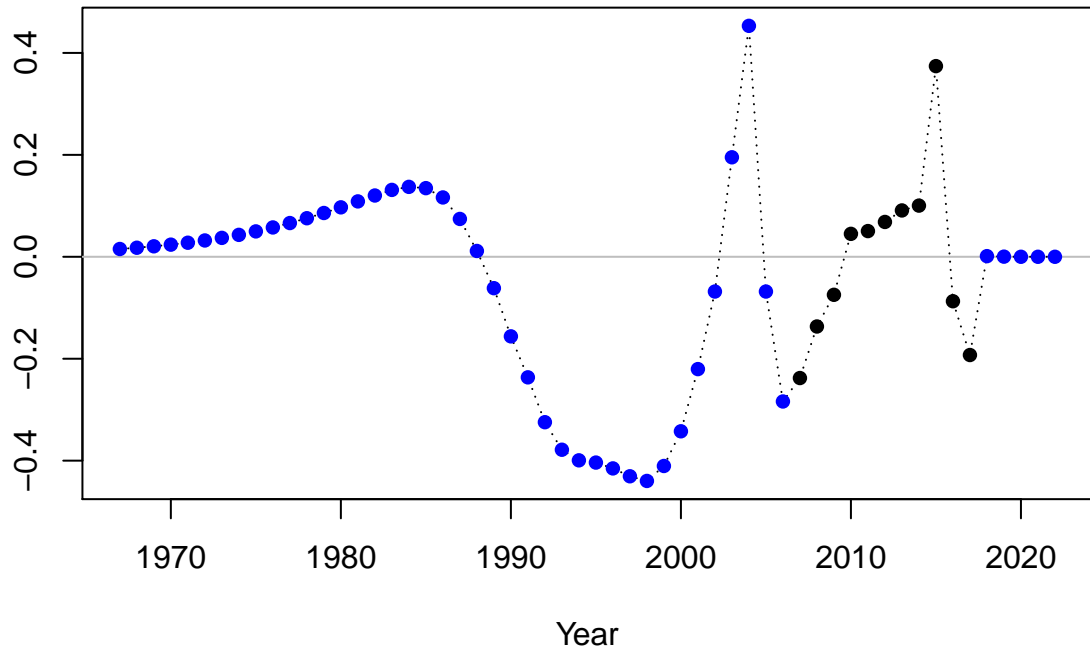
Summary Fishing Mortality



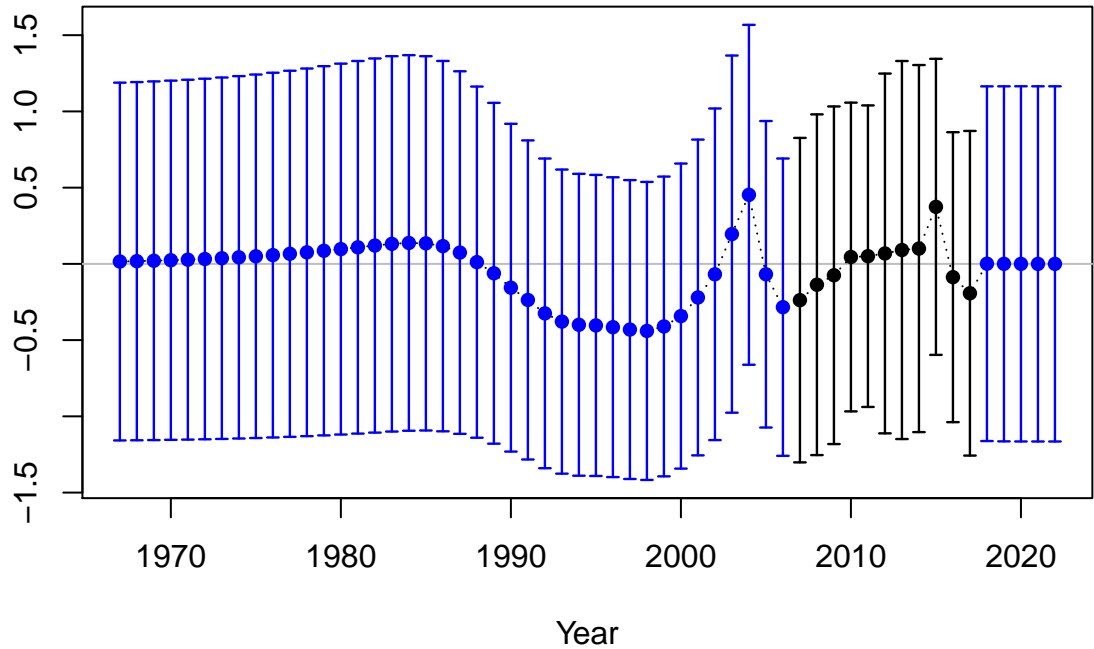




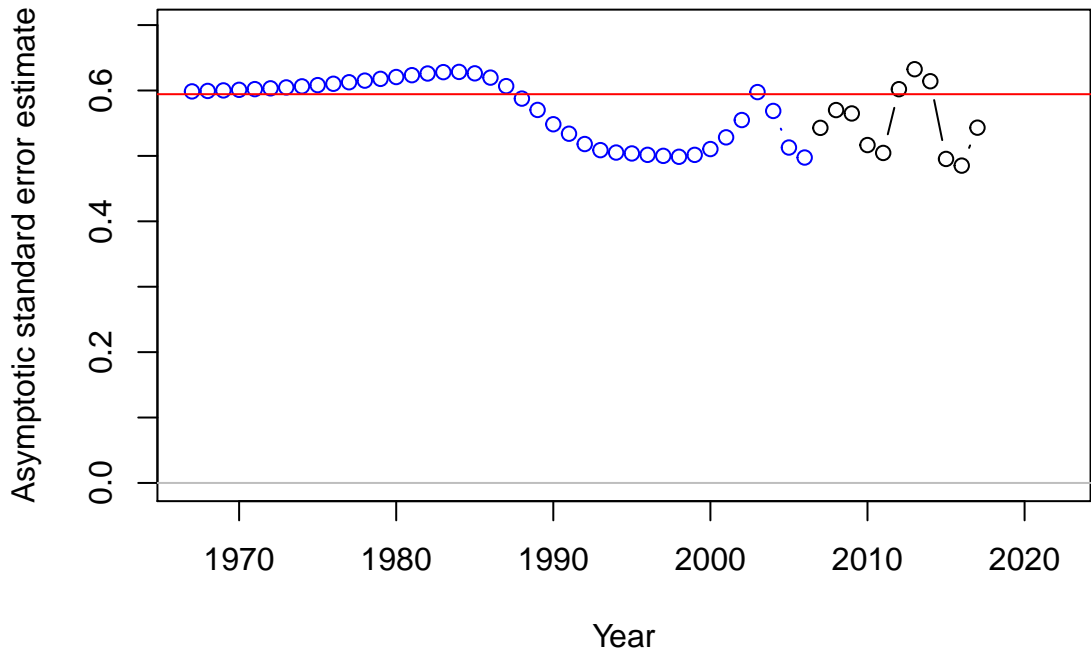
Log recruitment deviation

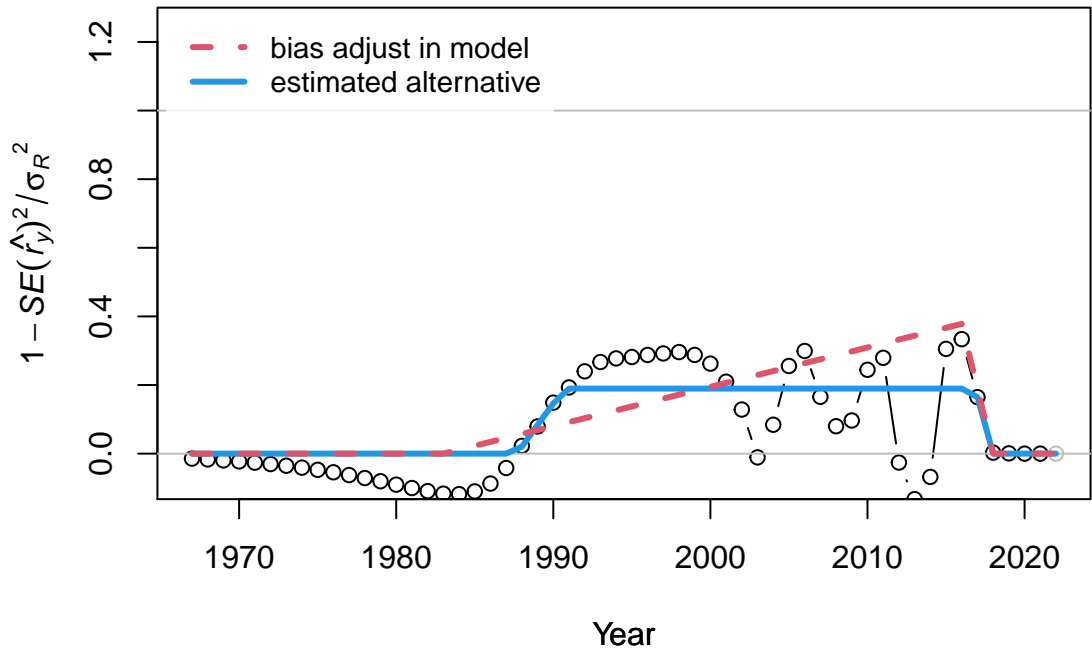


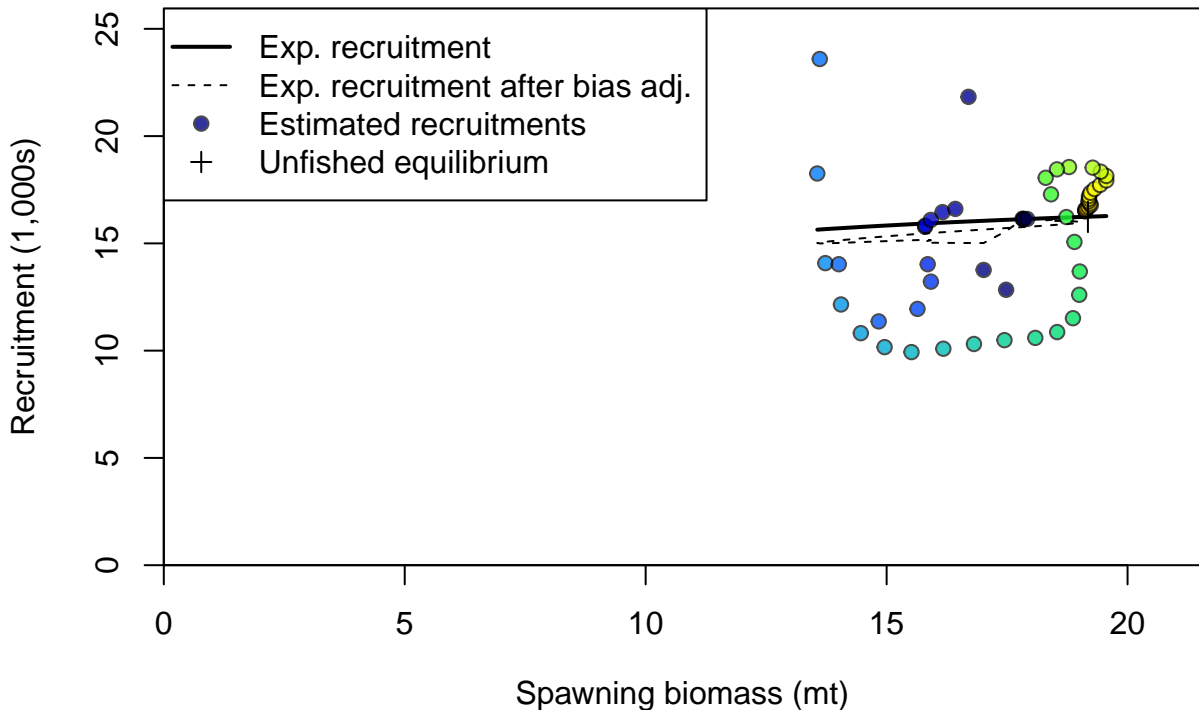
Log recruitment deviation

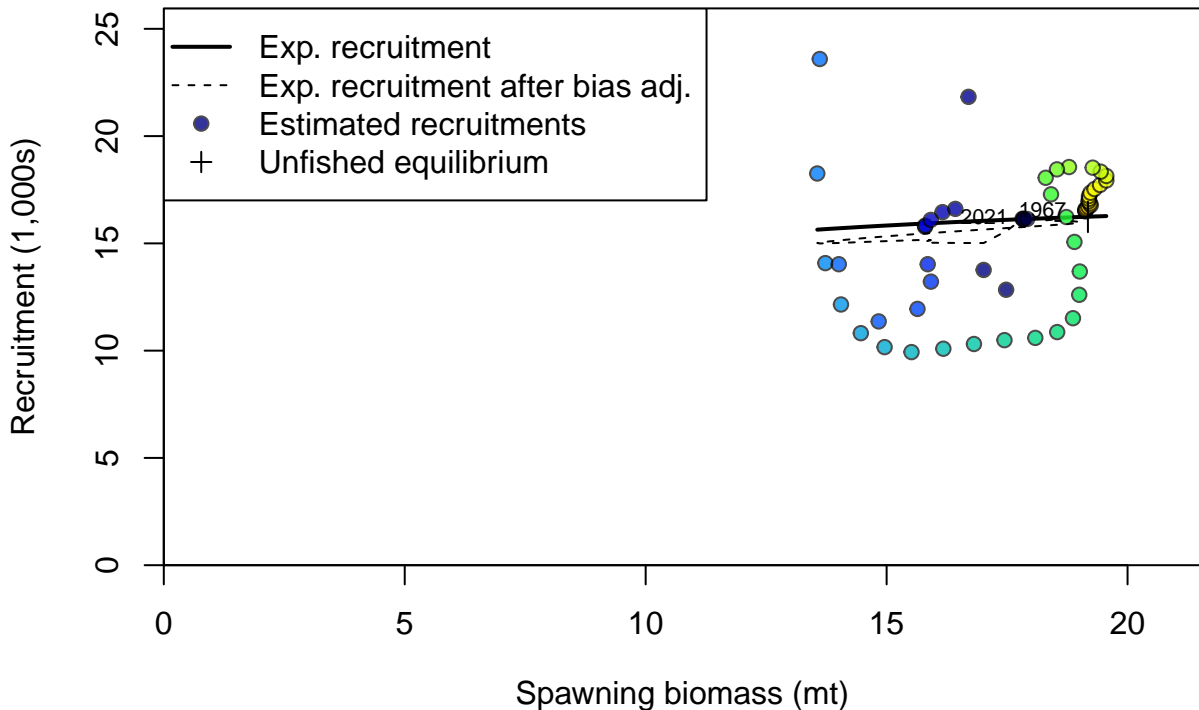


## Recruitment deviation variance

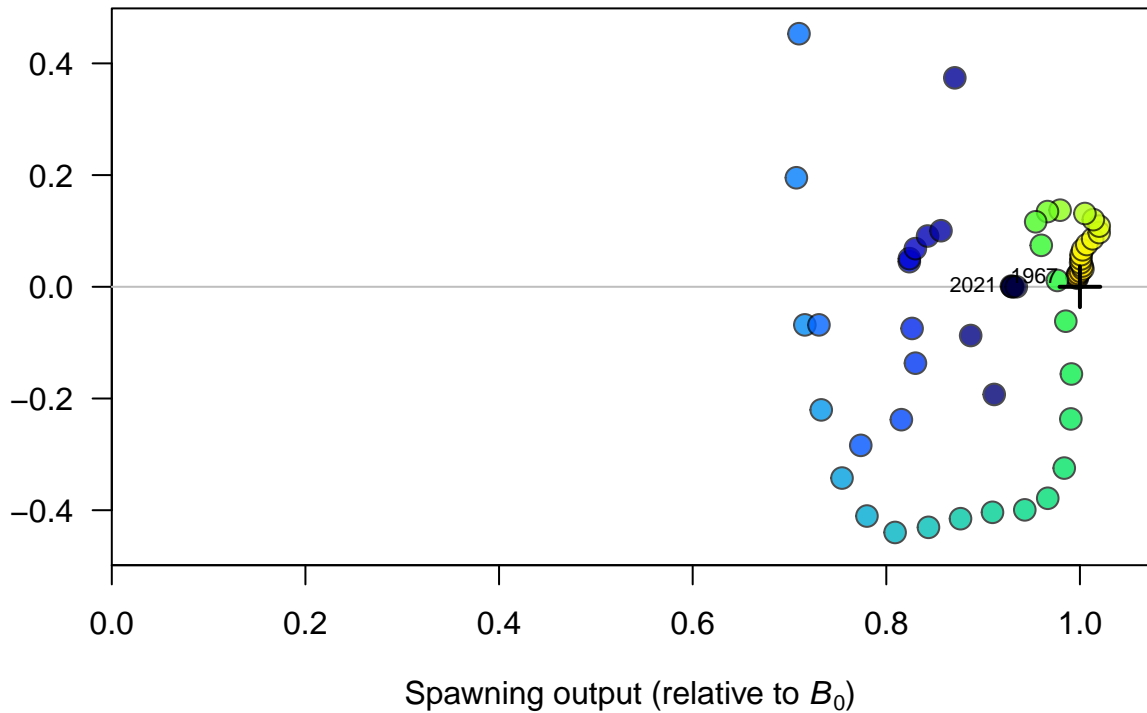


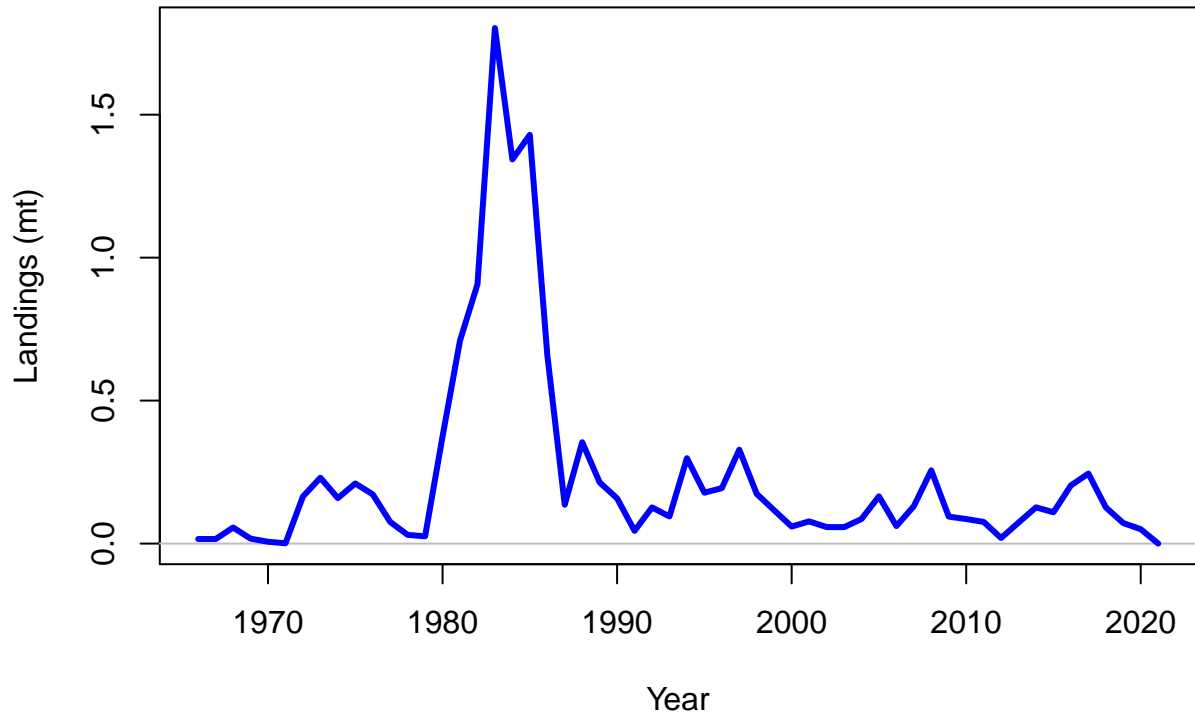




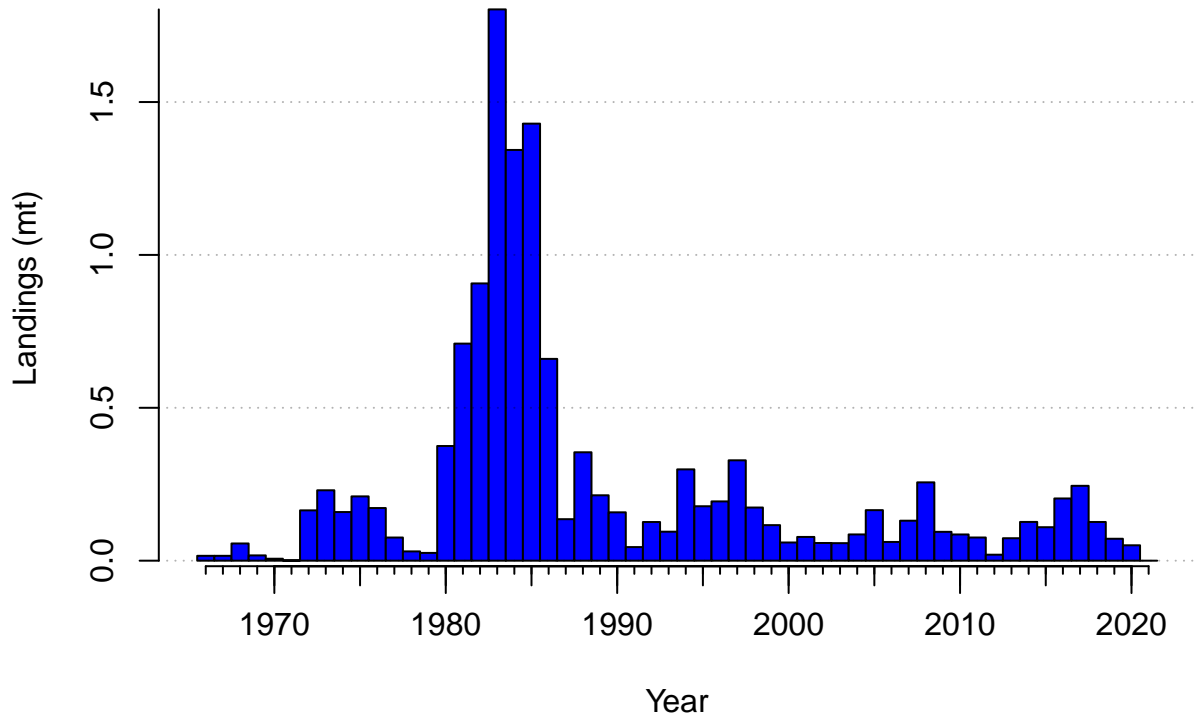


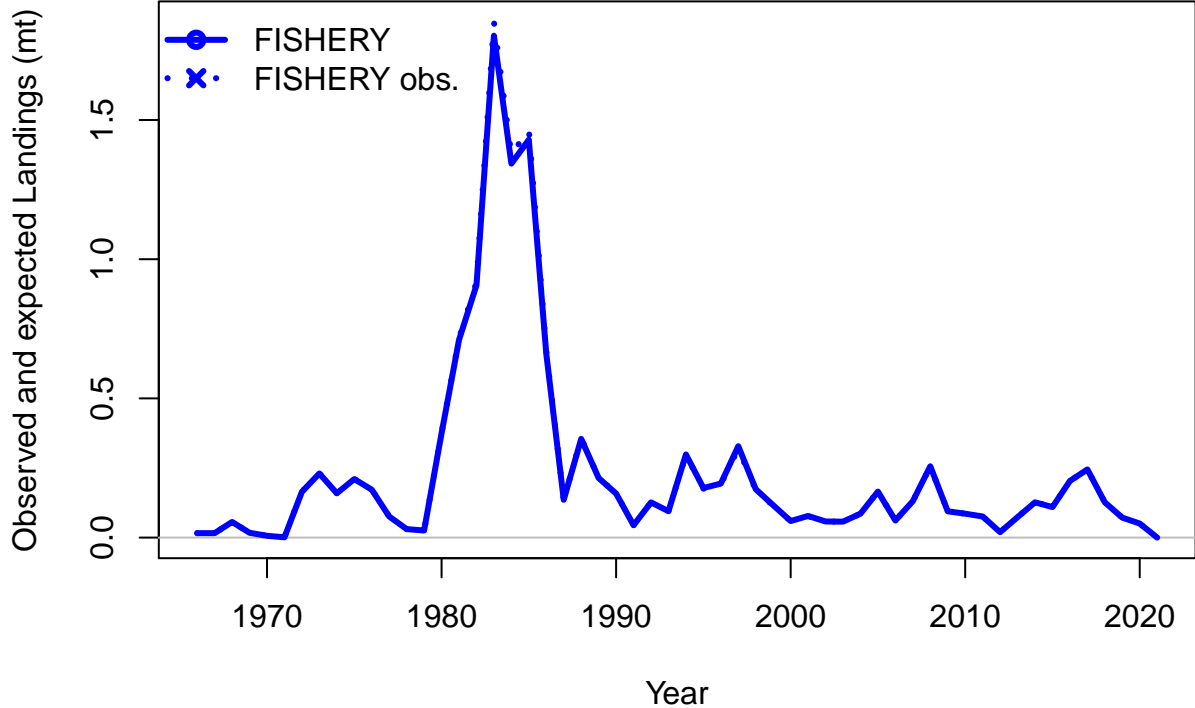
Log recruitment deviation

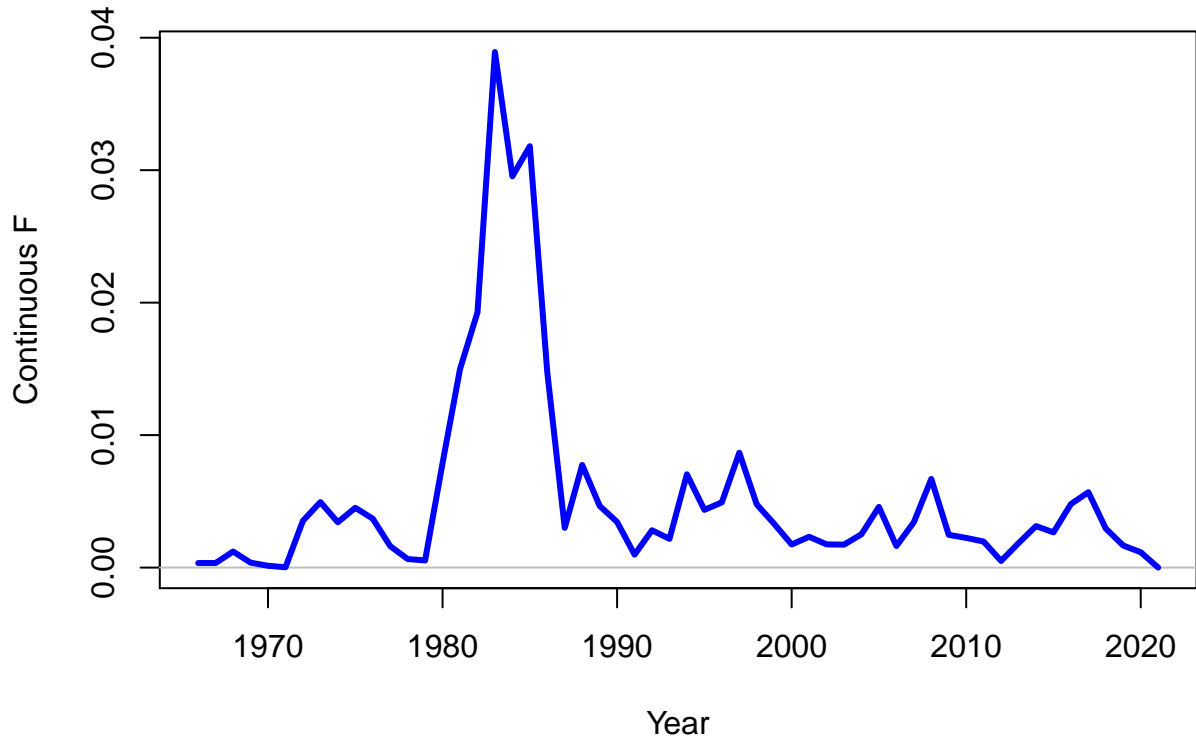




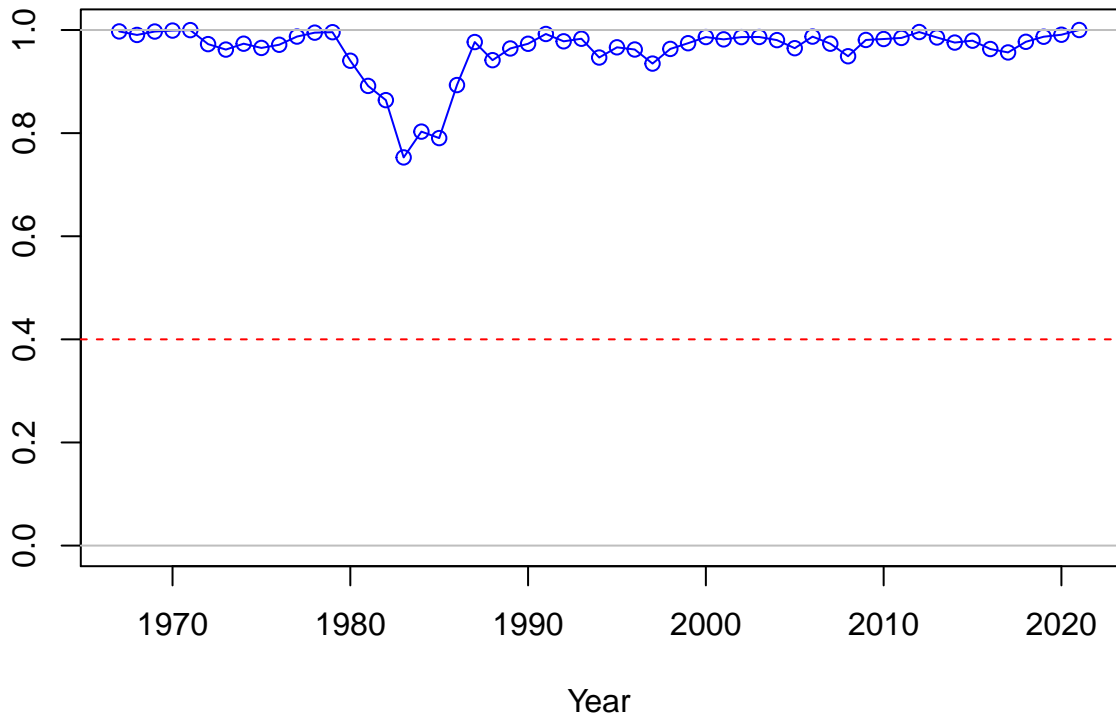




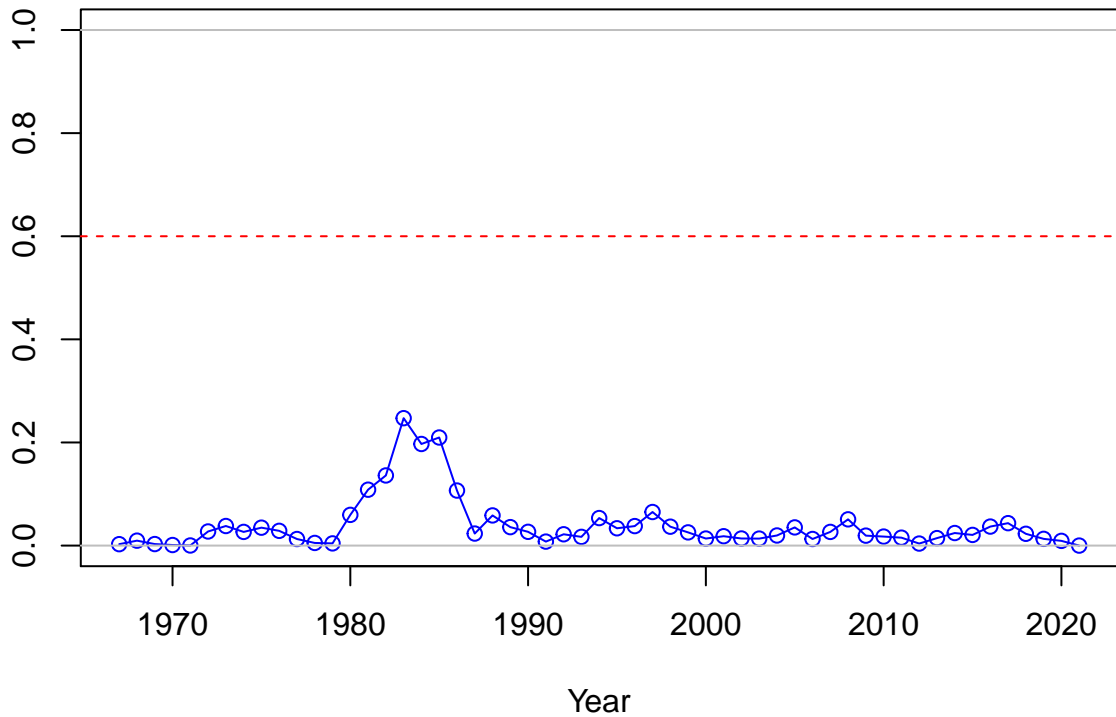




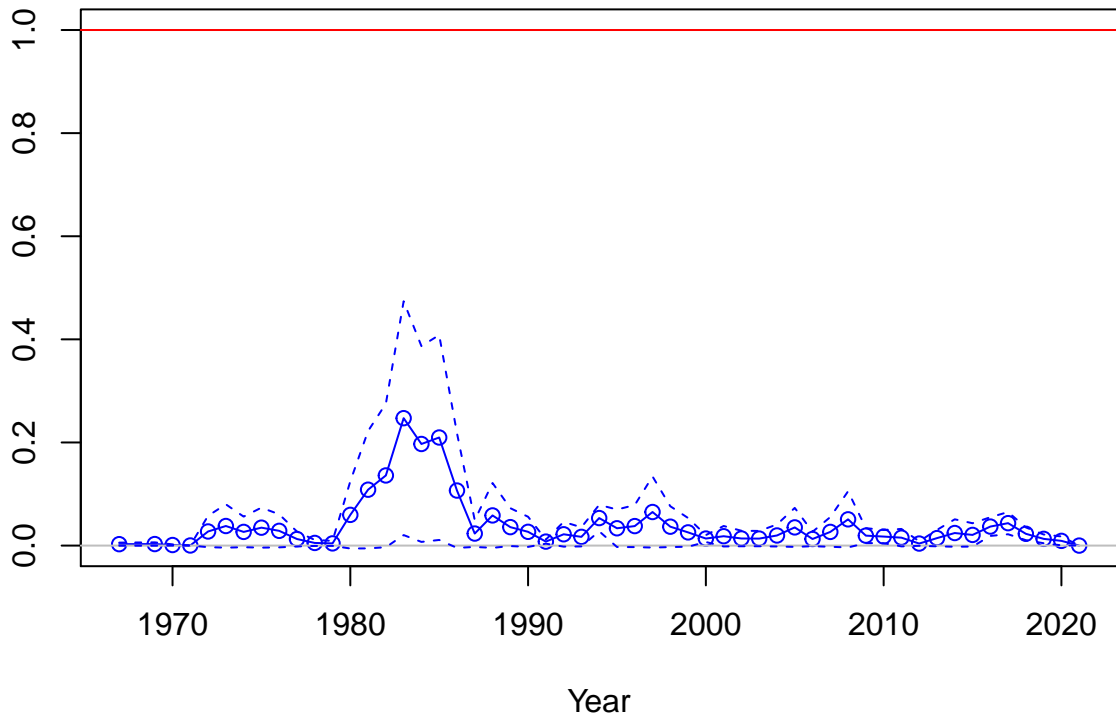
SPR



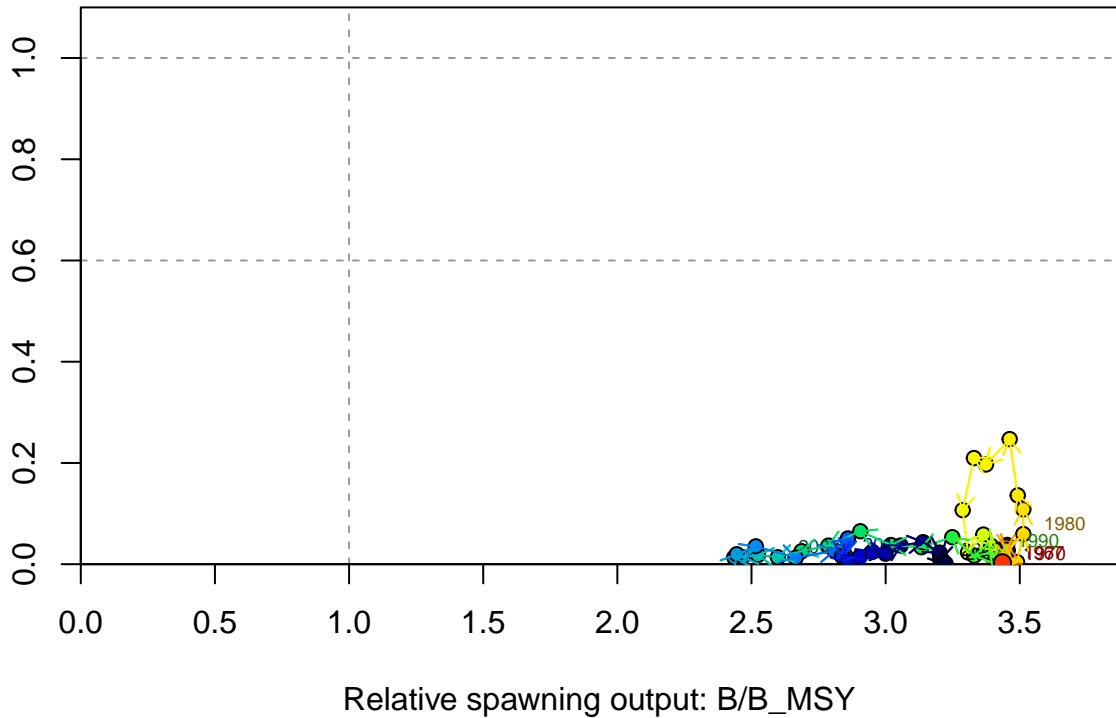
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR



Index

6  
4  
2  
0

1990

1995

2000

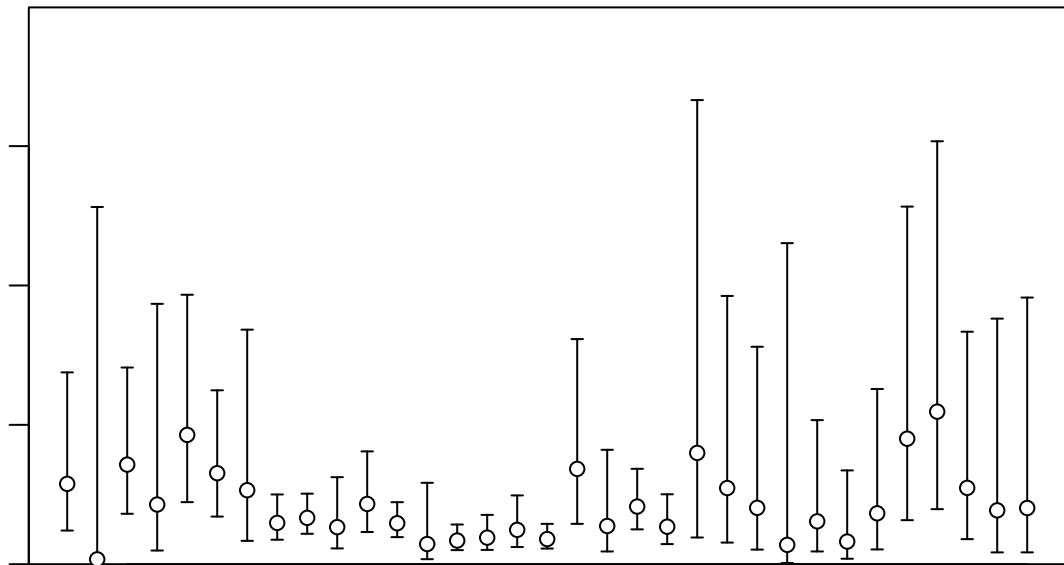
2005

2010

2015

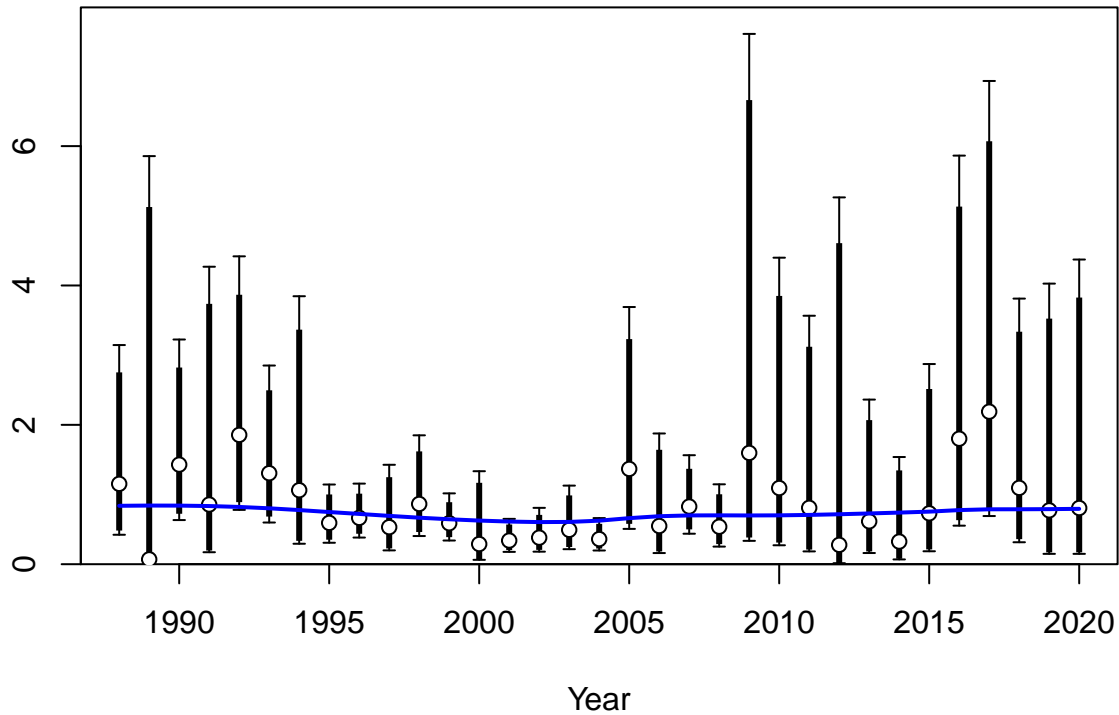
2020

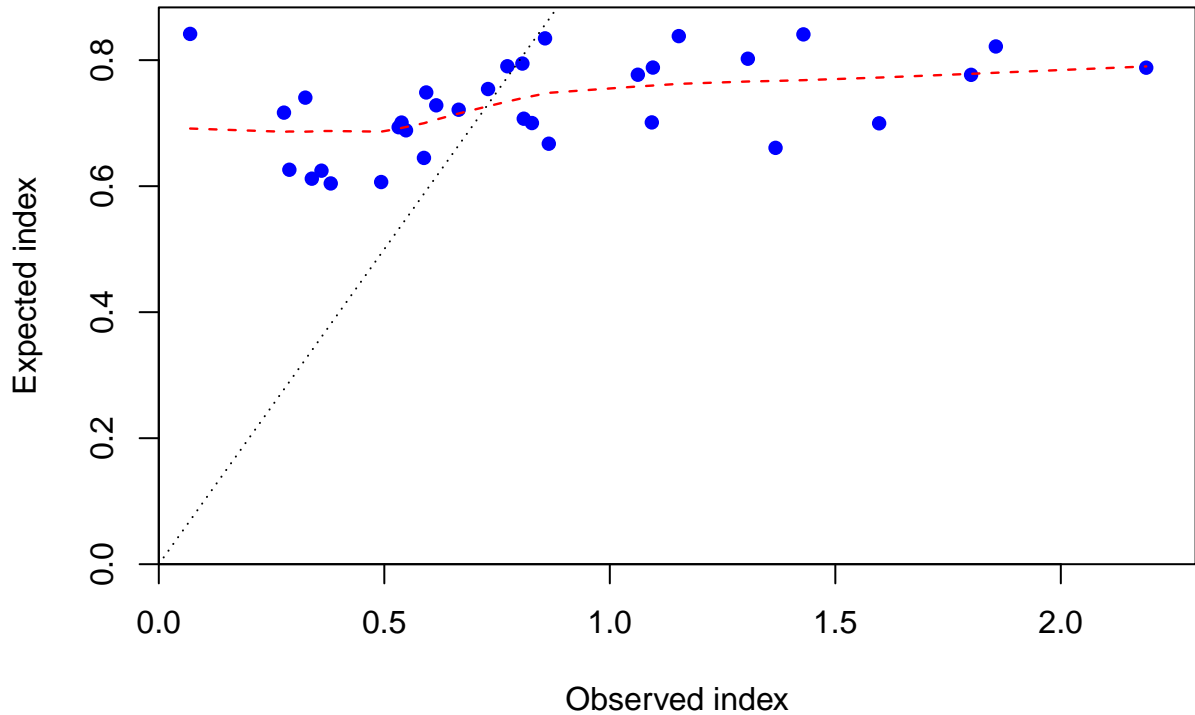
Year





Index





Log index

2  
0  
-2  
-4  
-6

1990

1995

2000

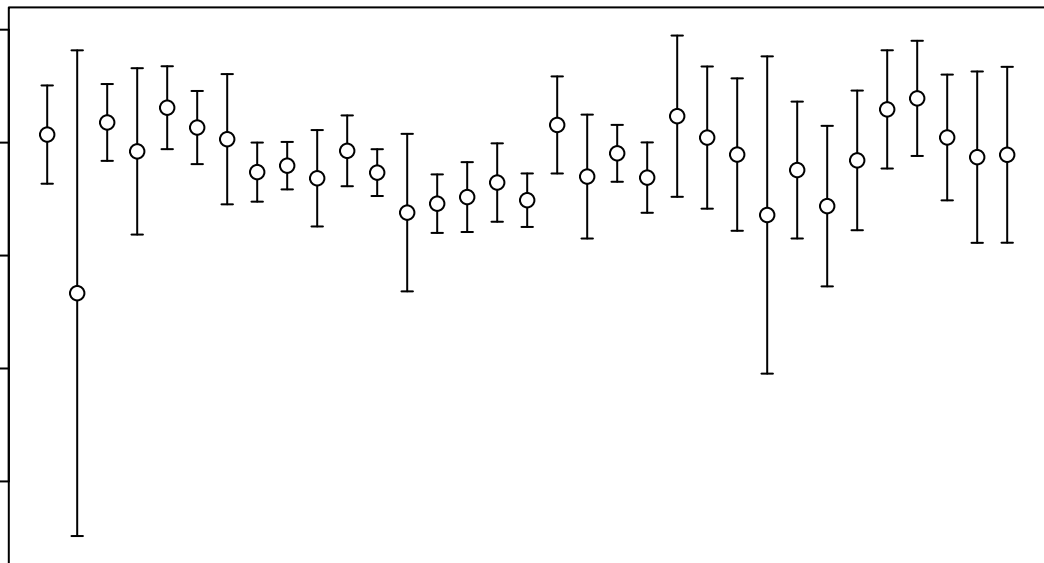
2005

2010

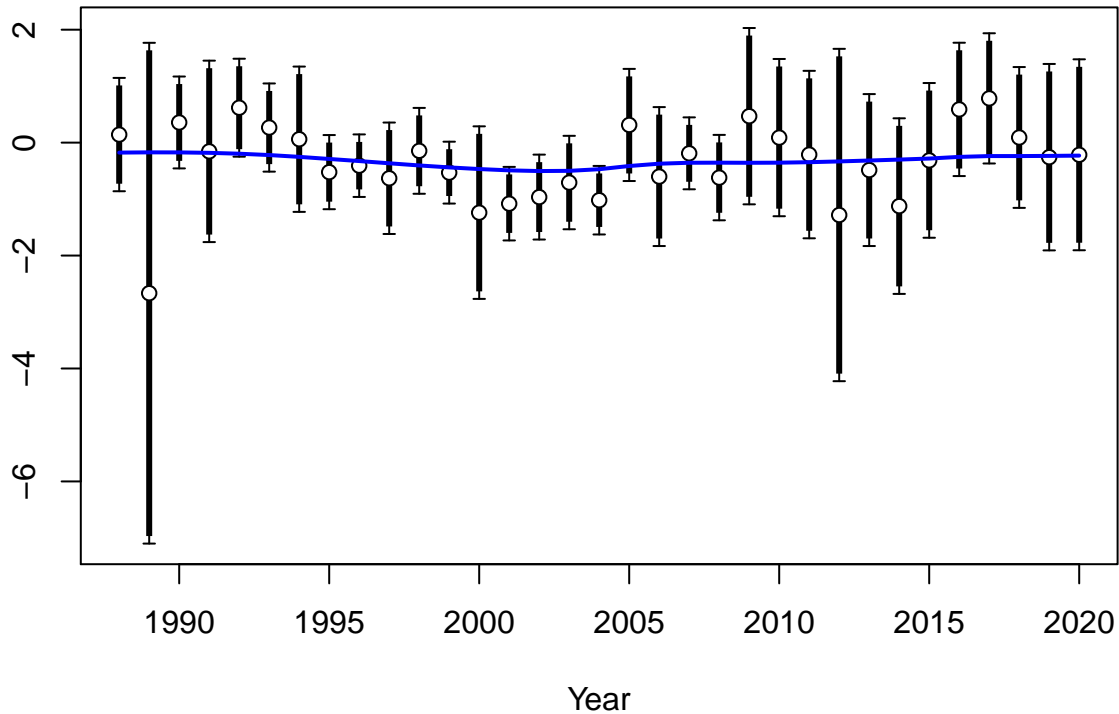
2015

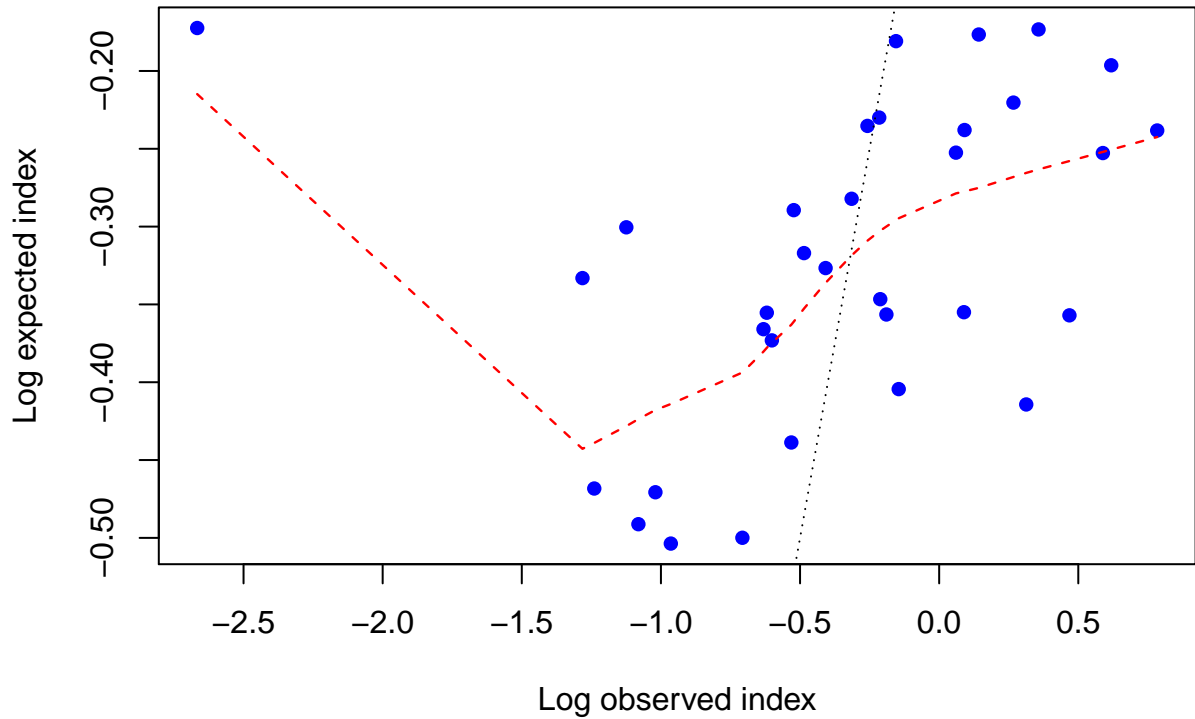
2020

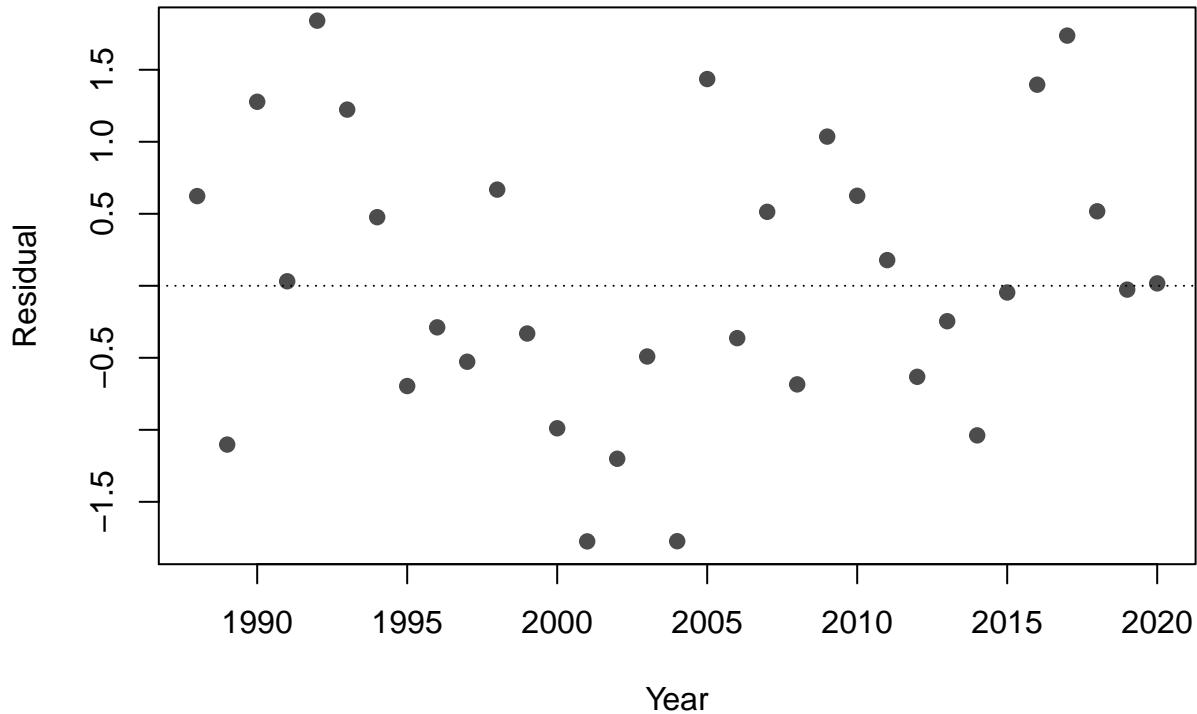
Year

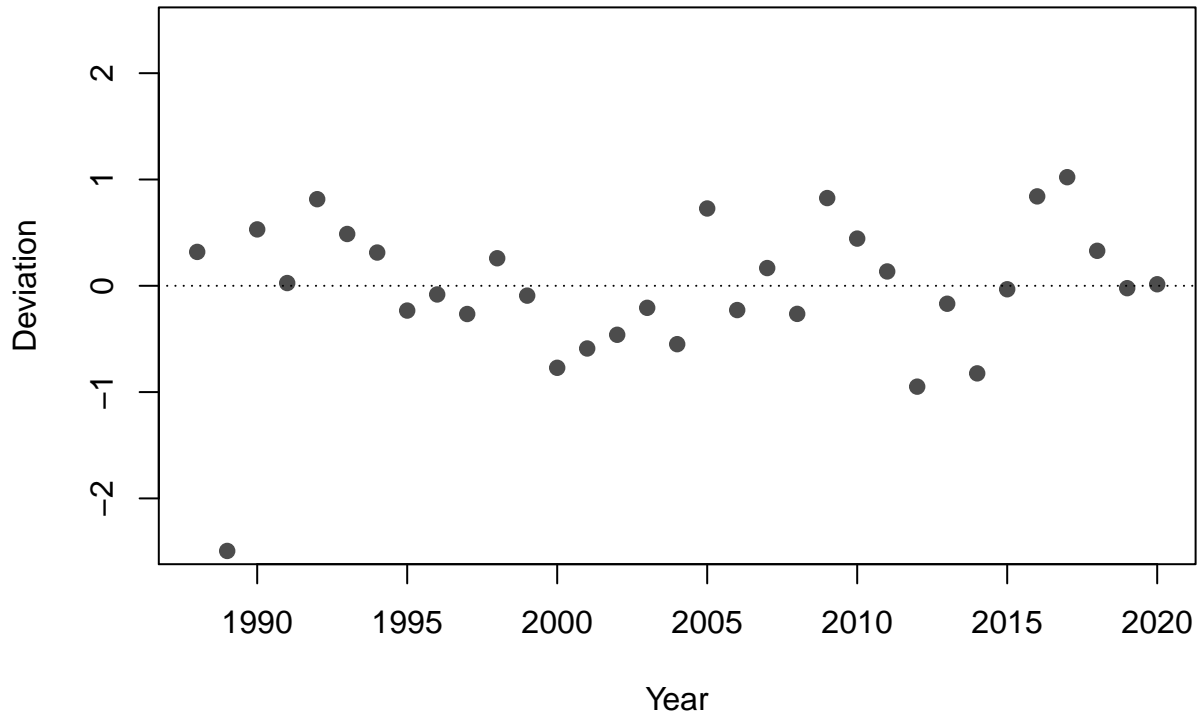


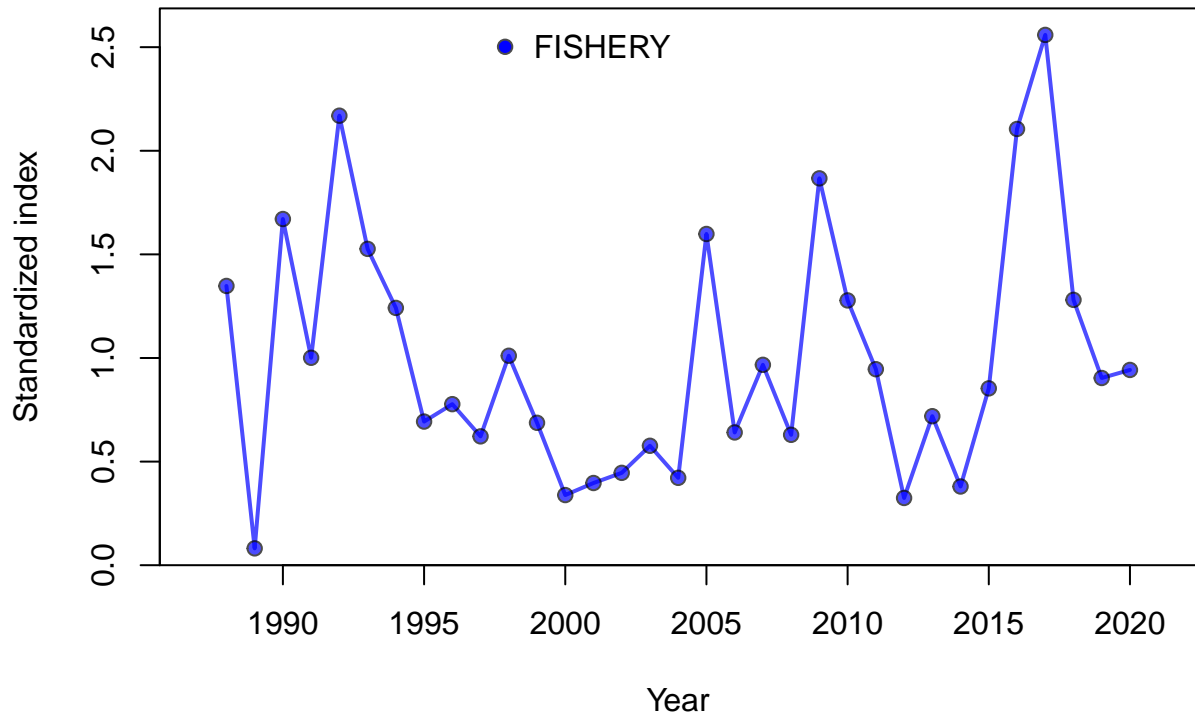
Log index



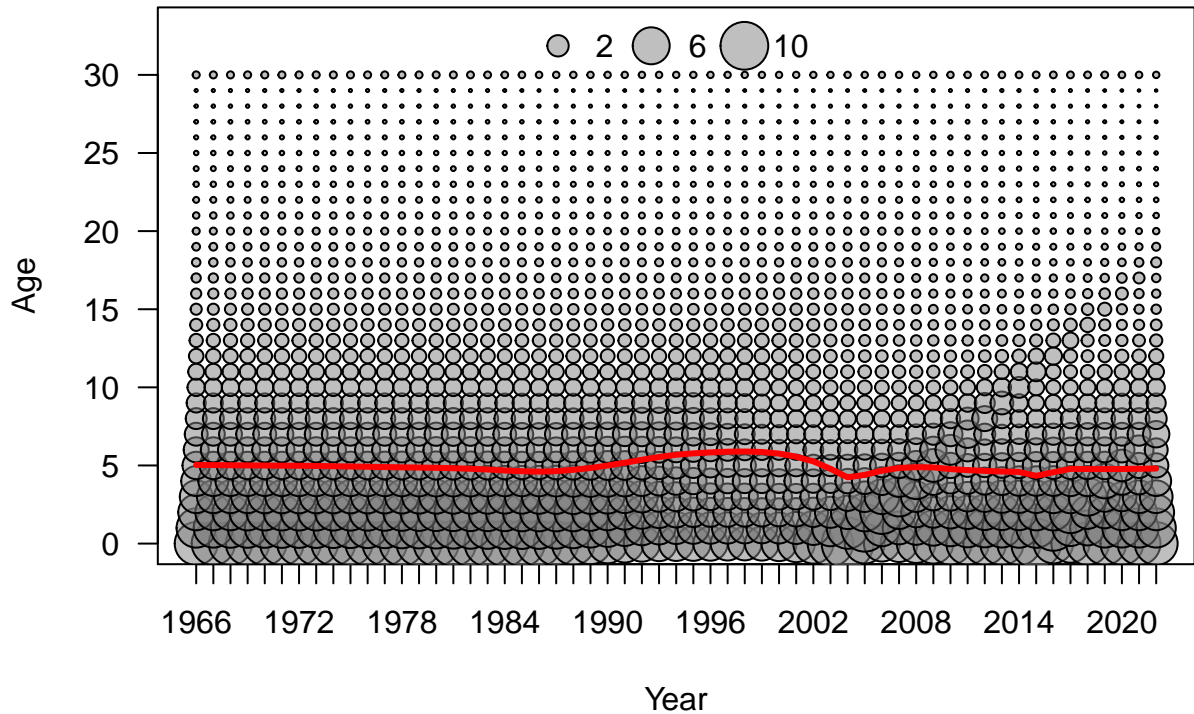


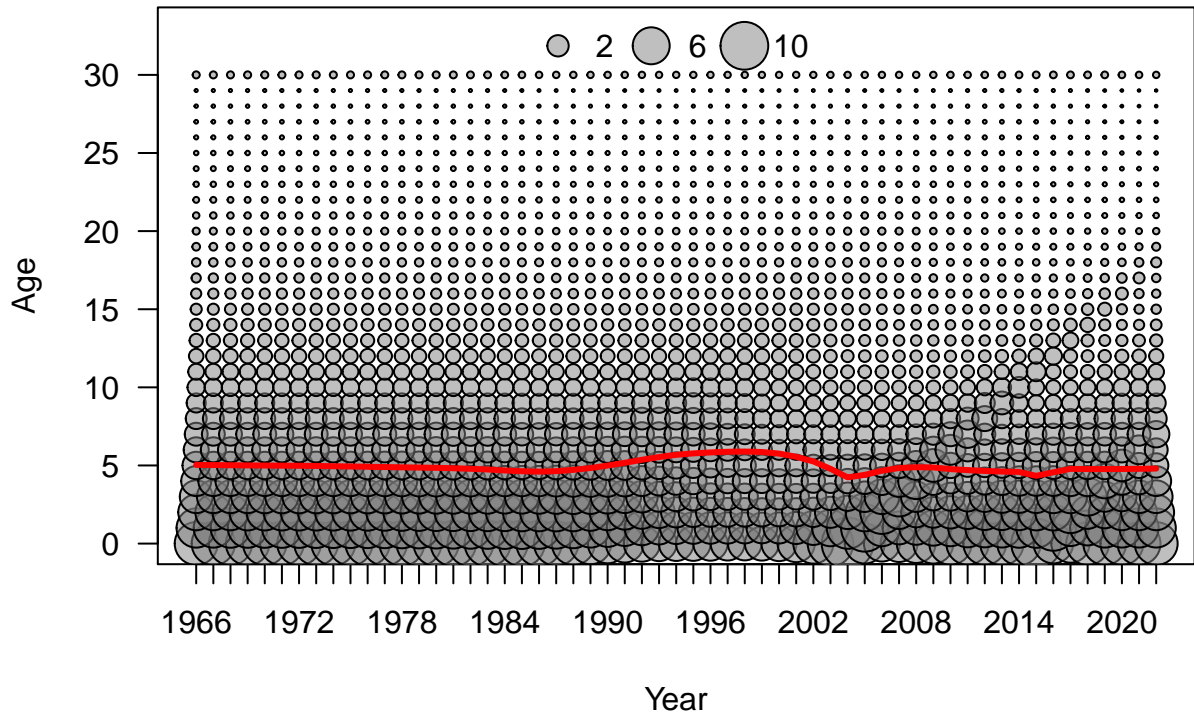


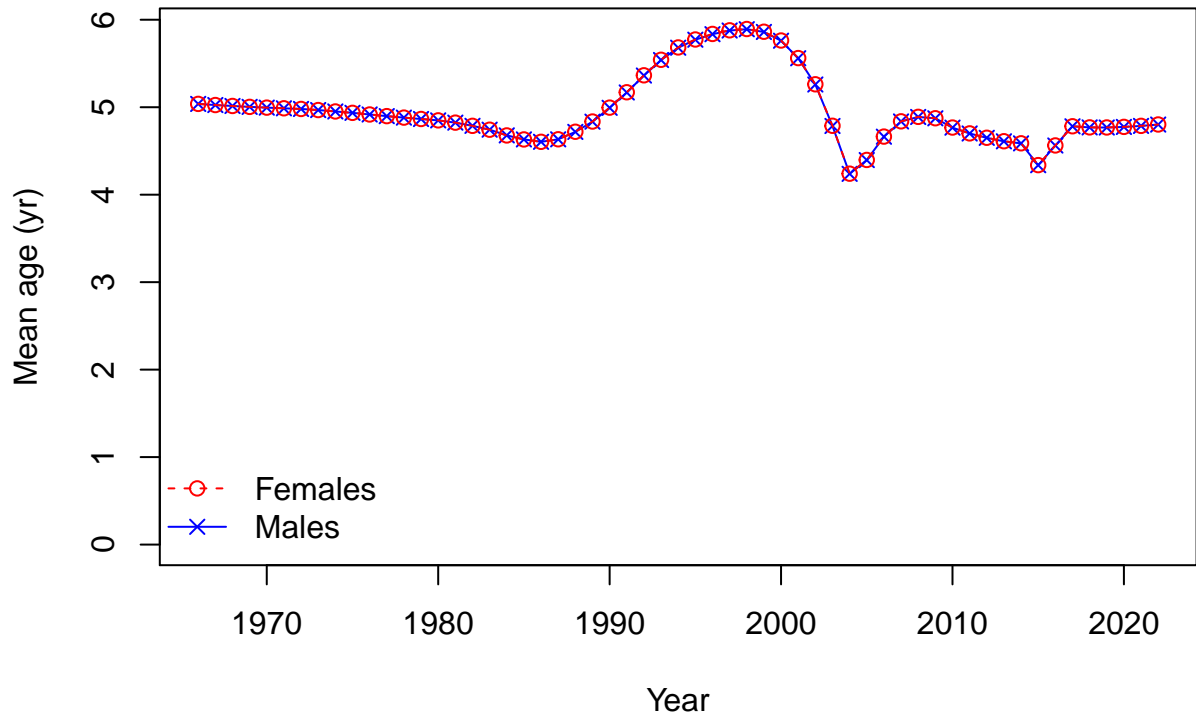


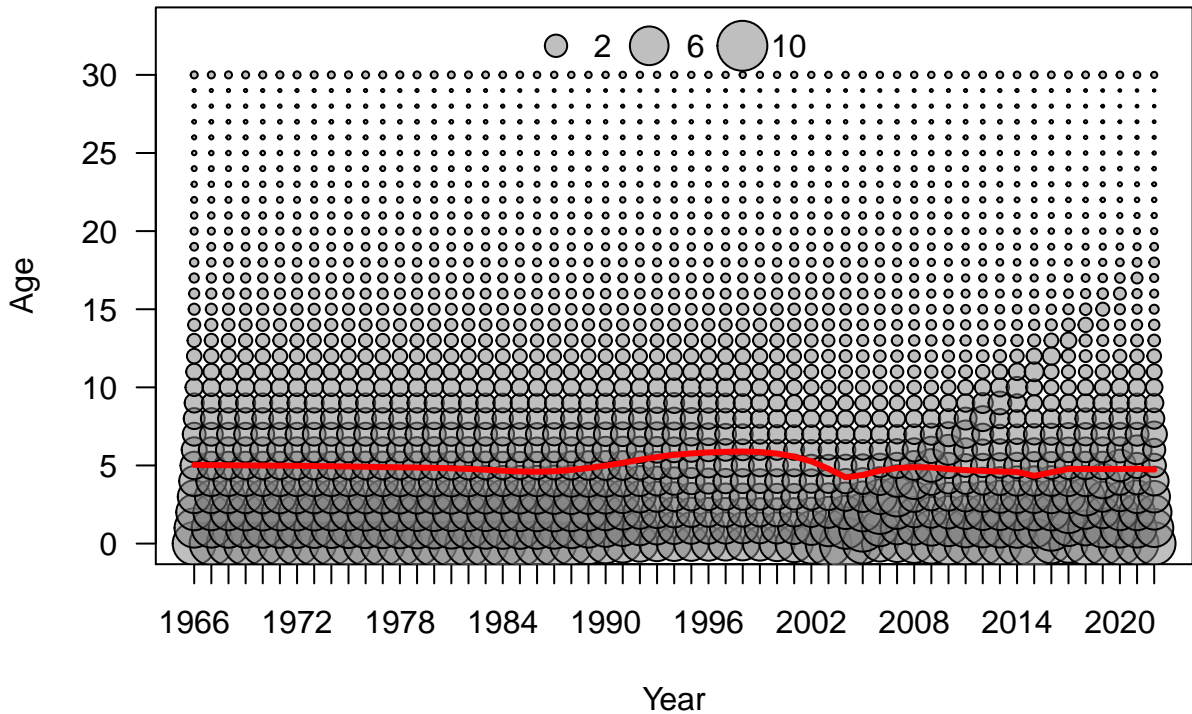


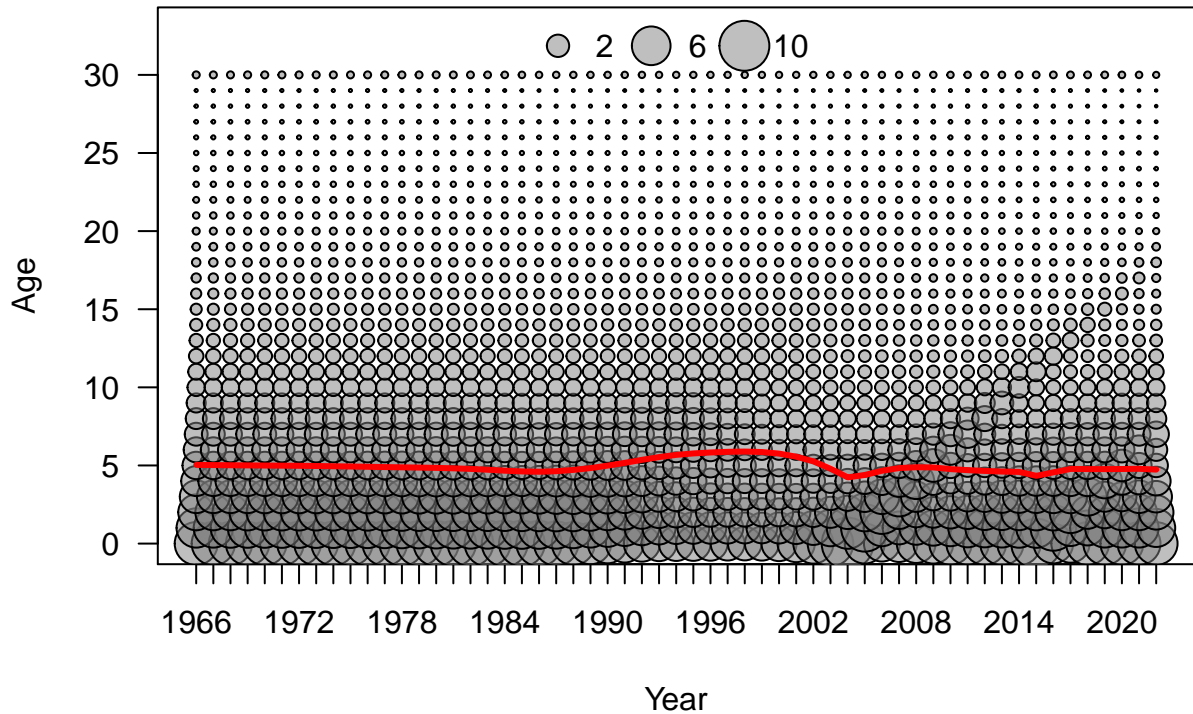


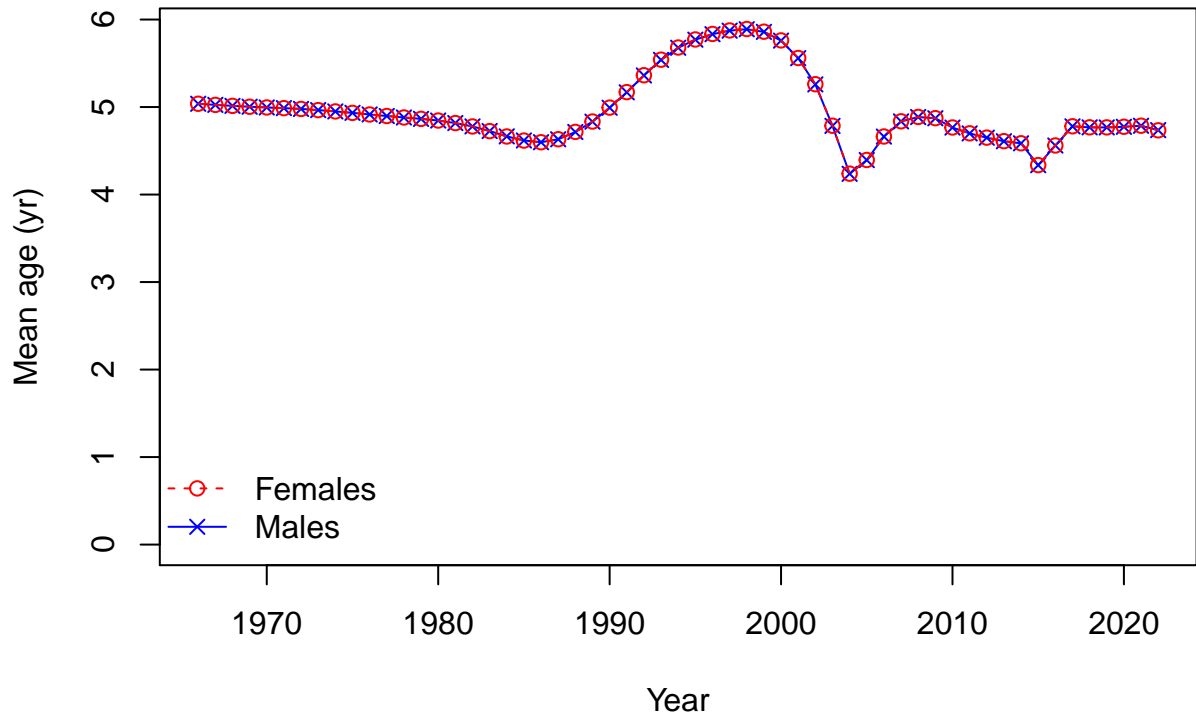


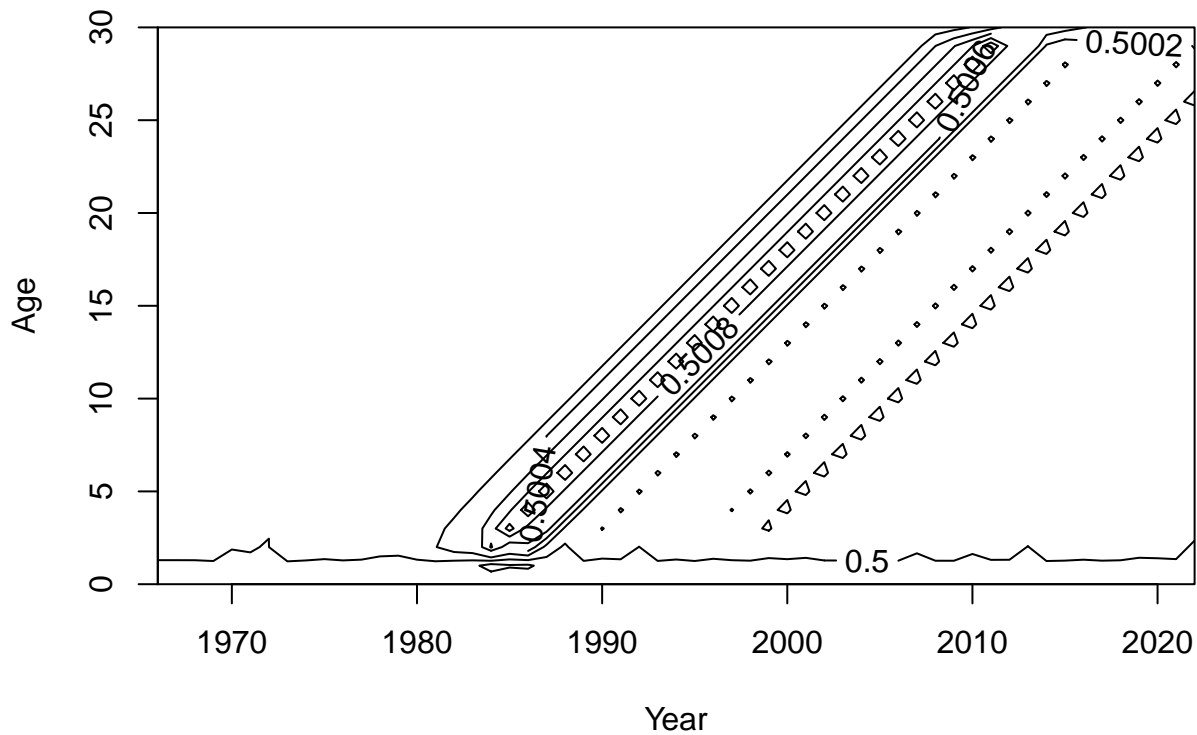


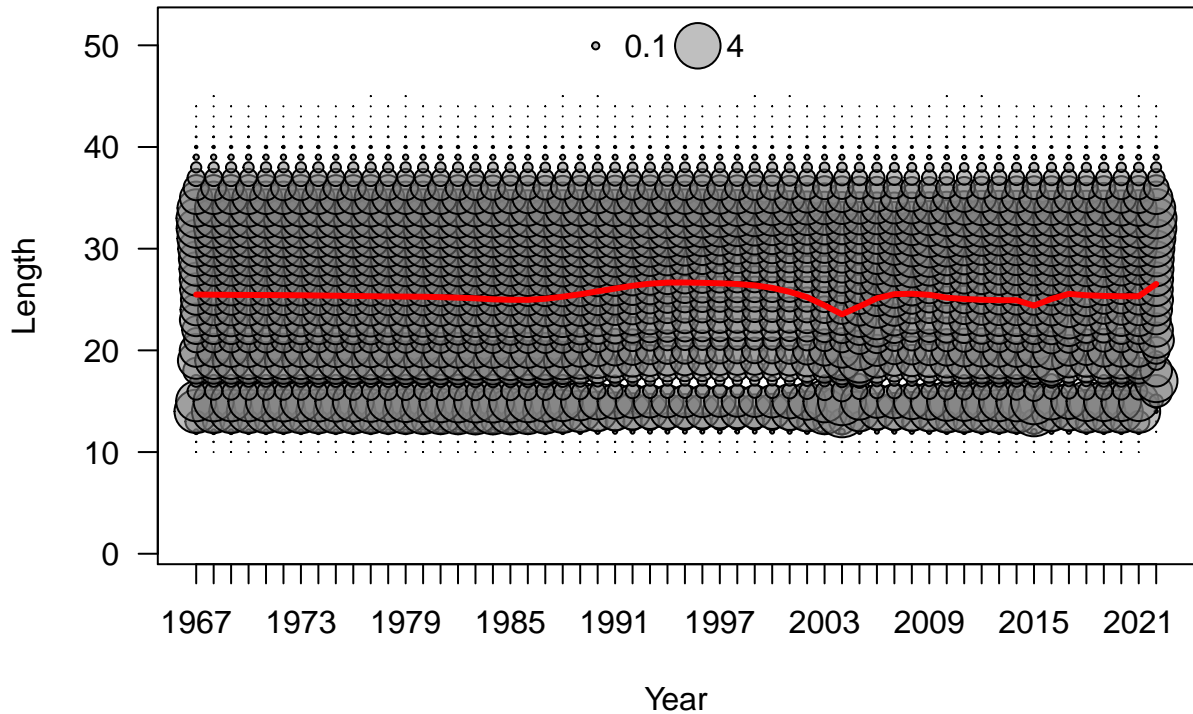




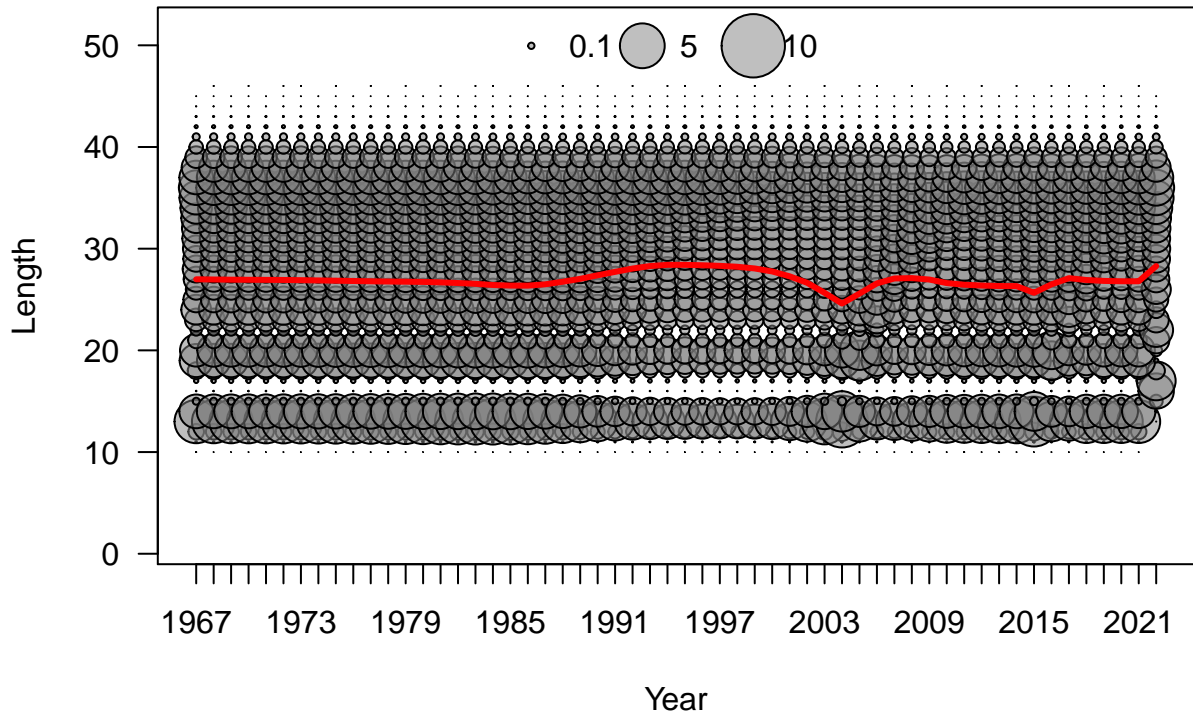


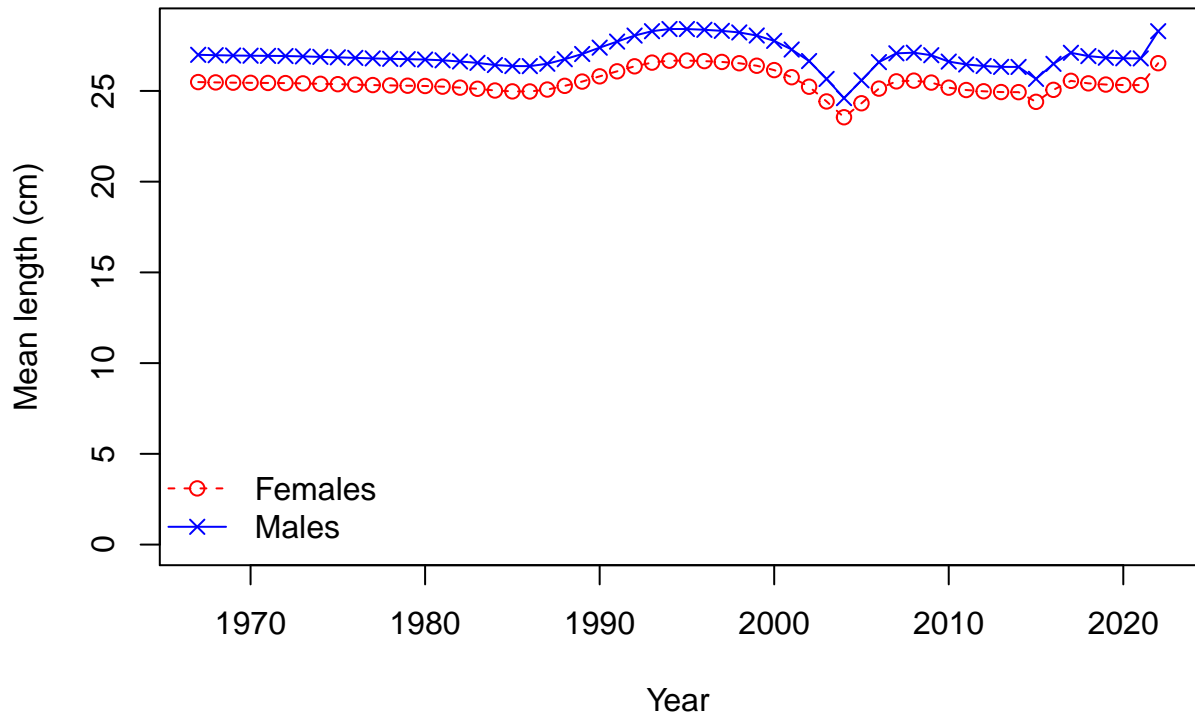


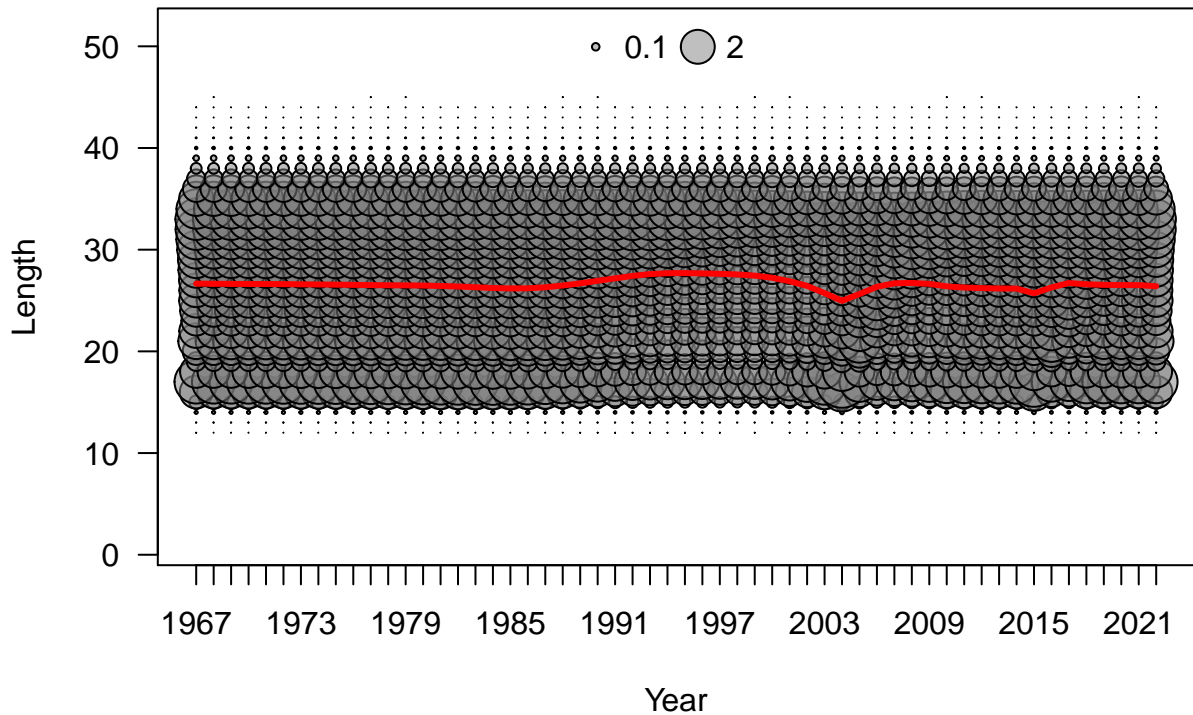


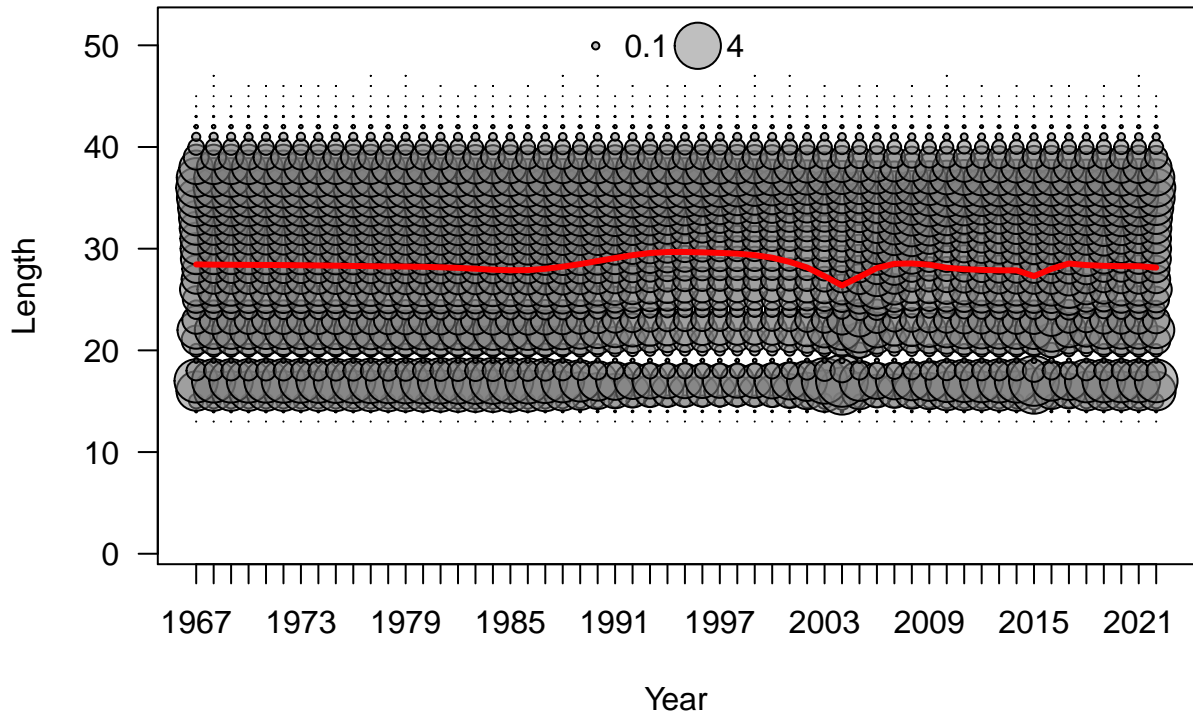


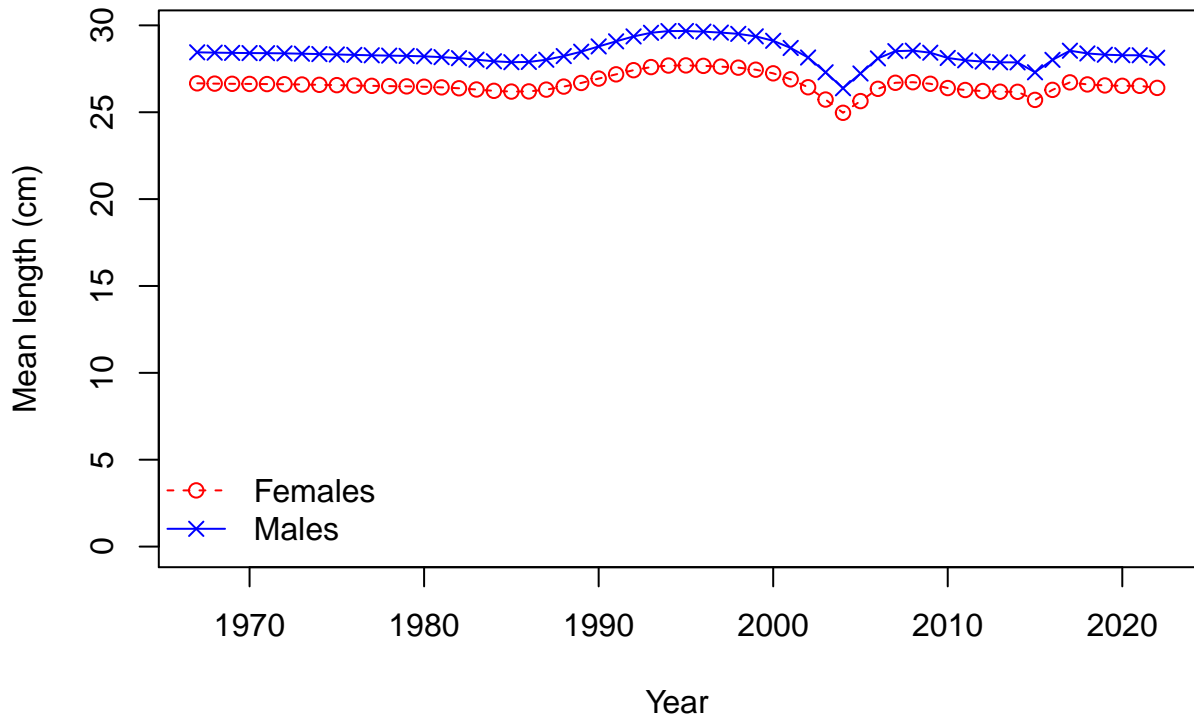


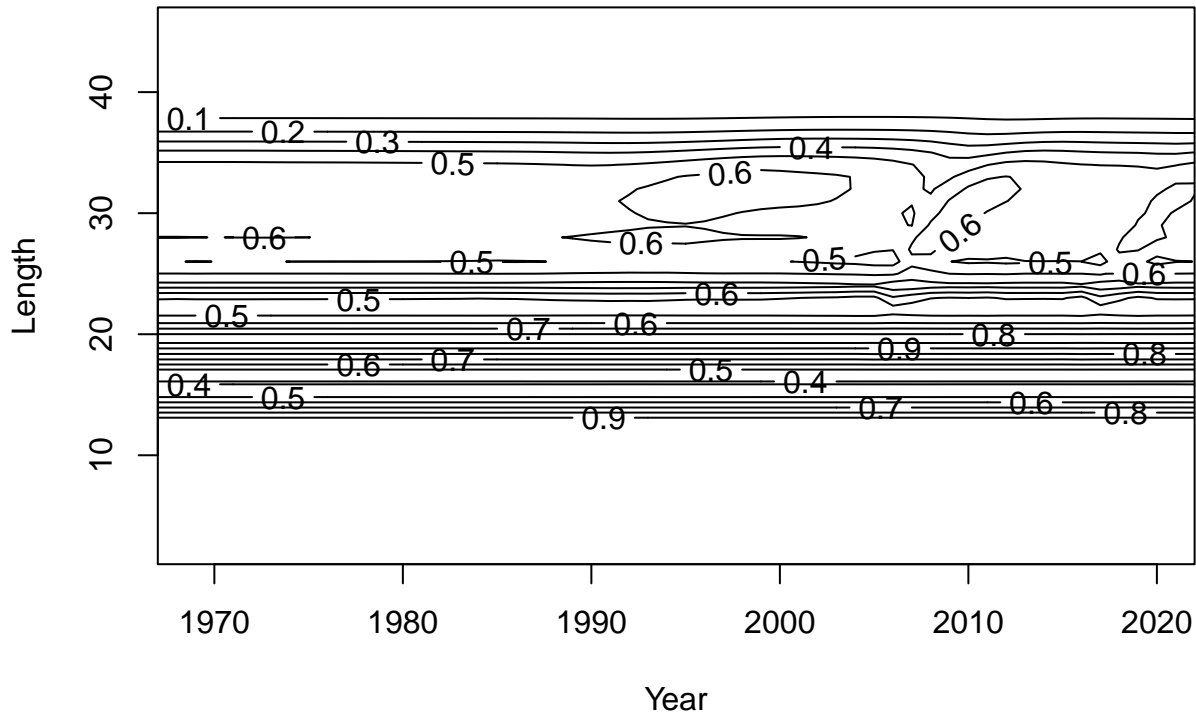


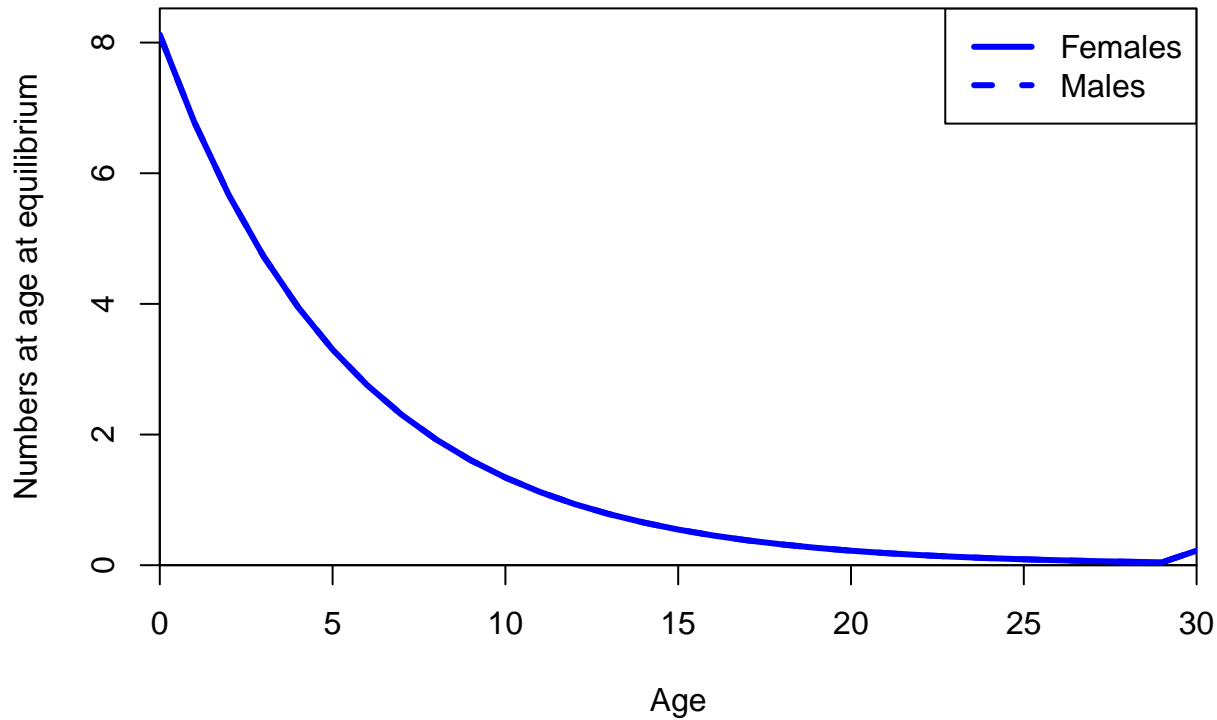


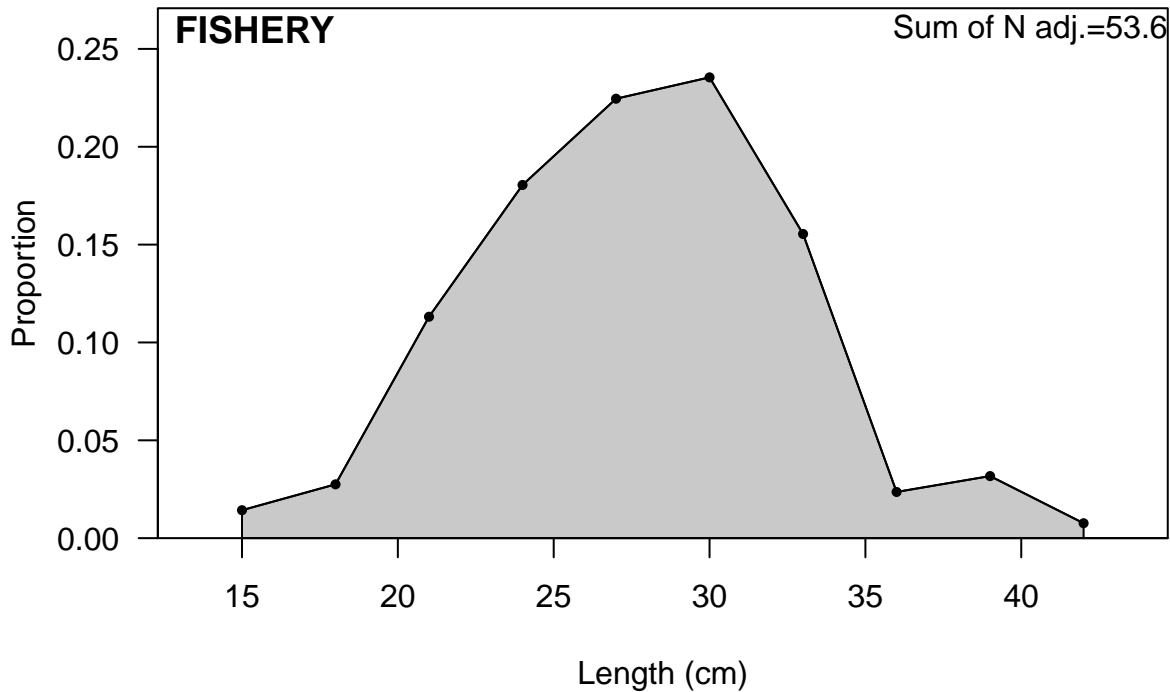




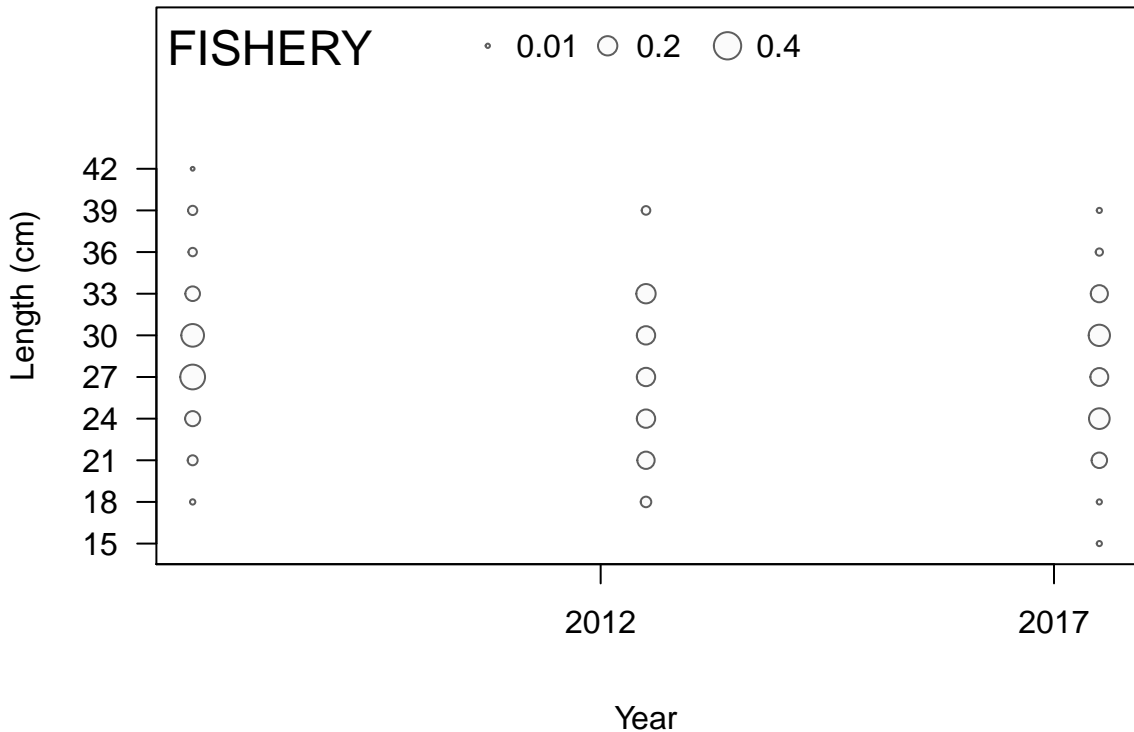




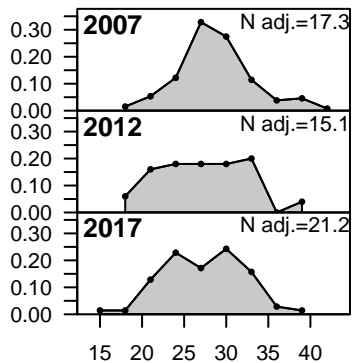




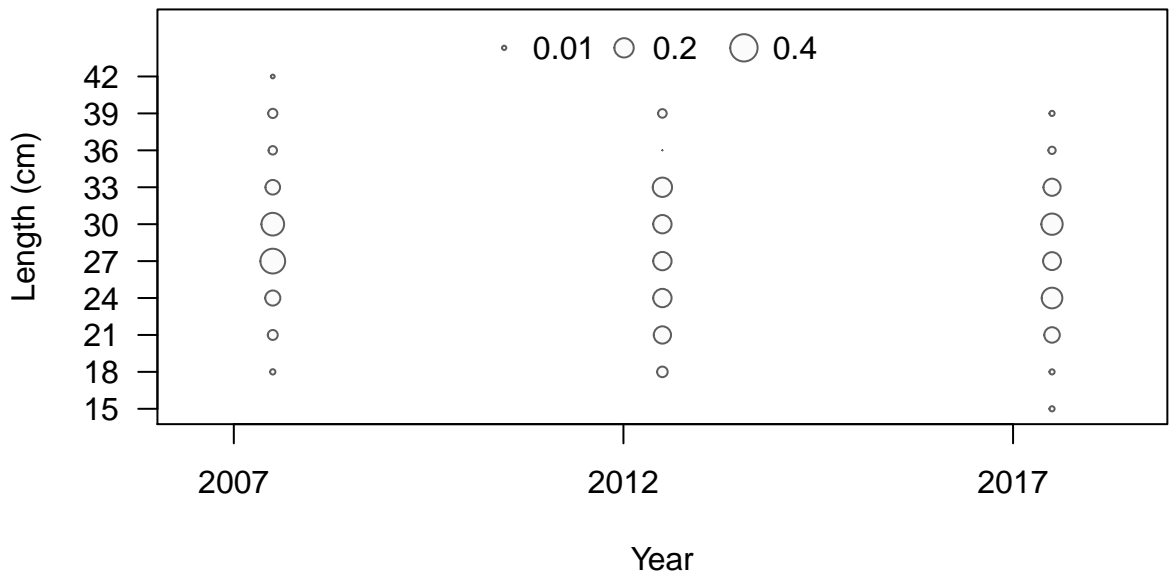




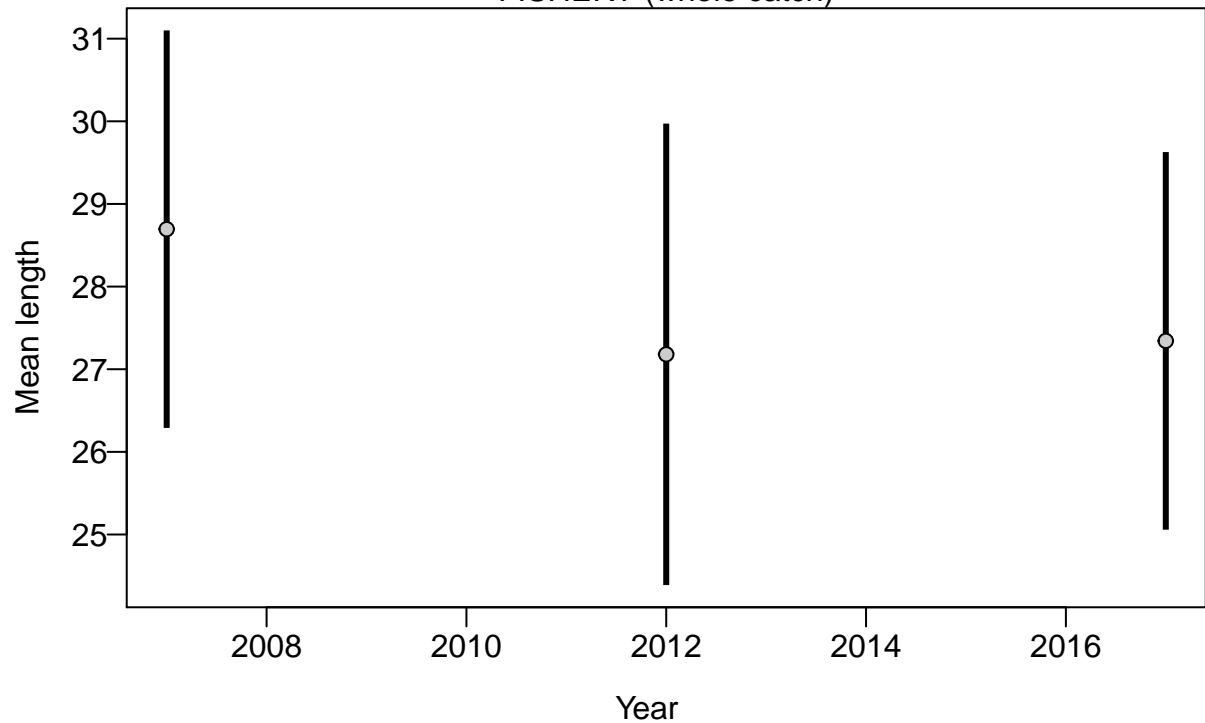
Proportion

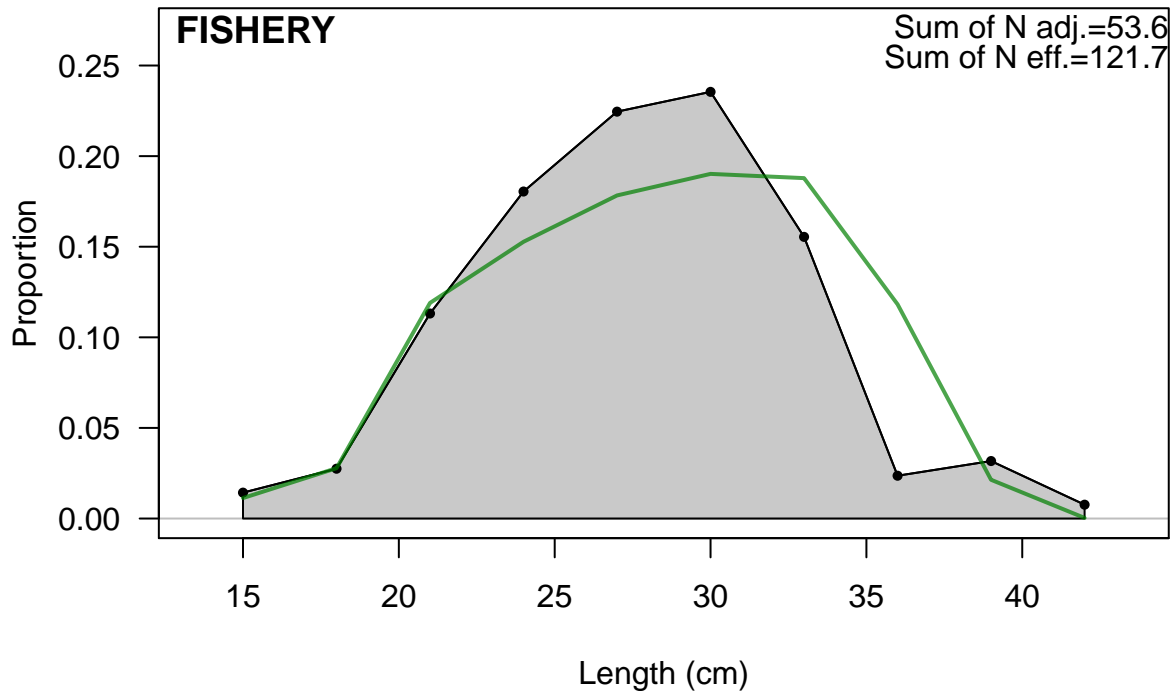


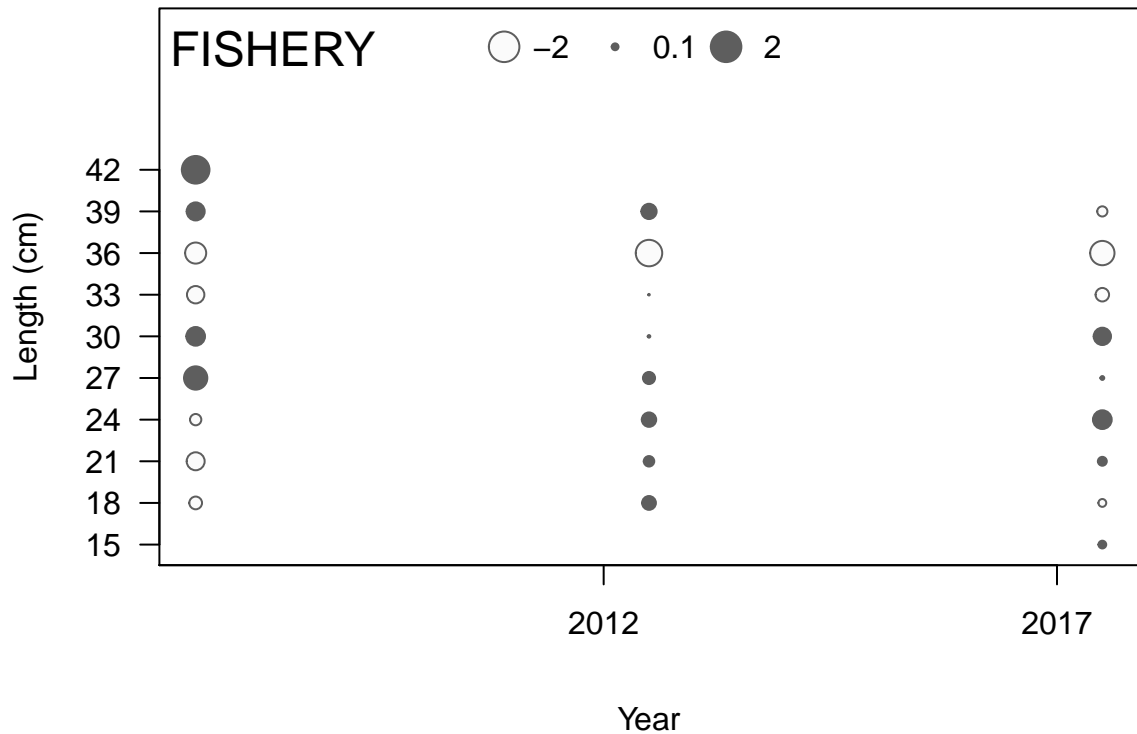
Length (cm)



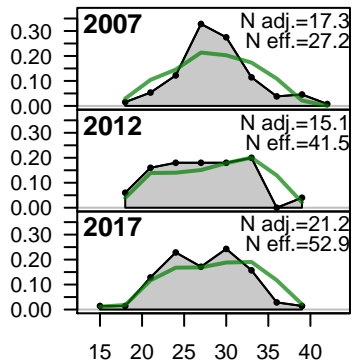
# FISHERY (whole catch)



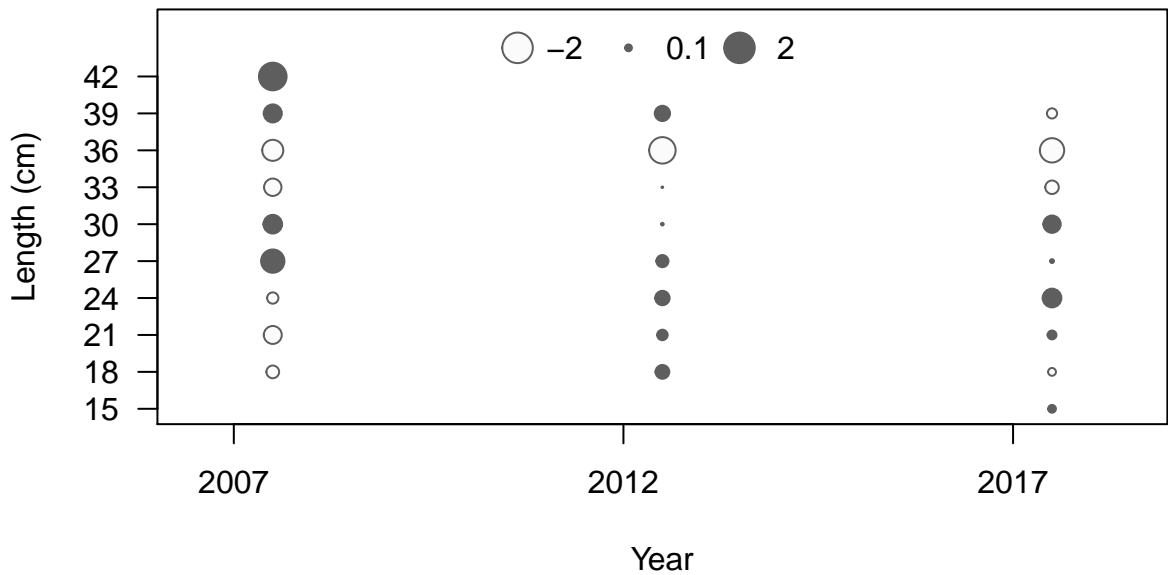




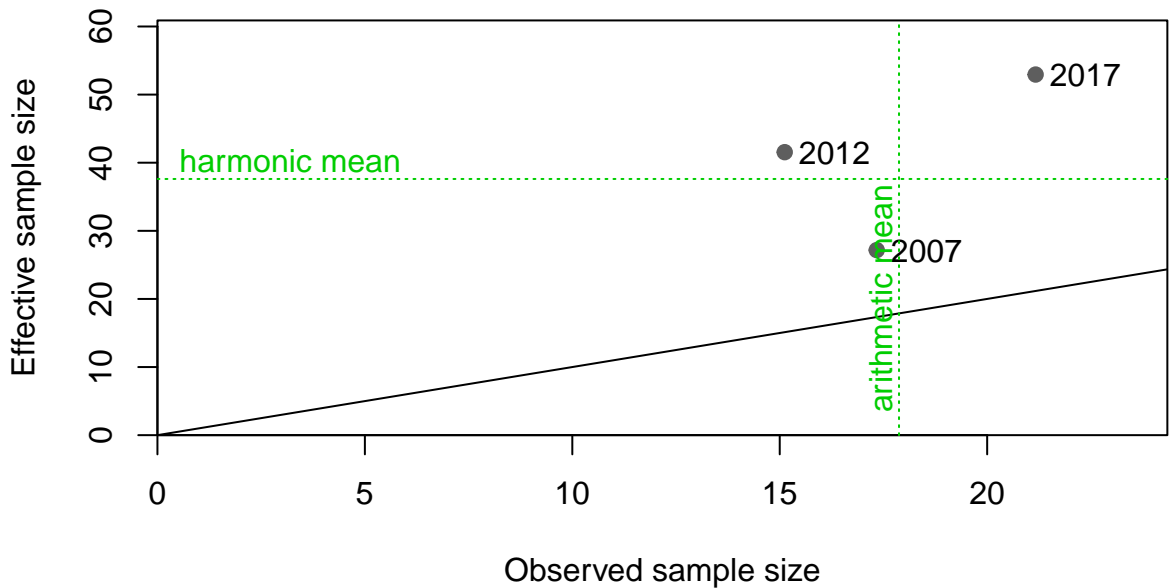
Proportion



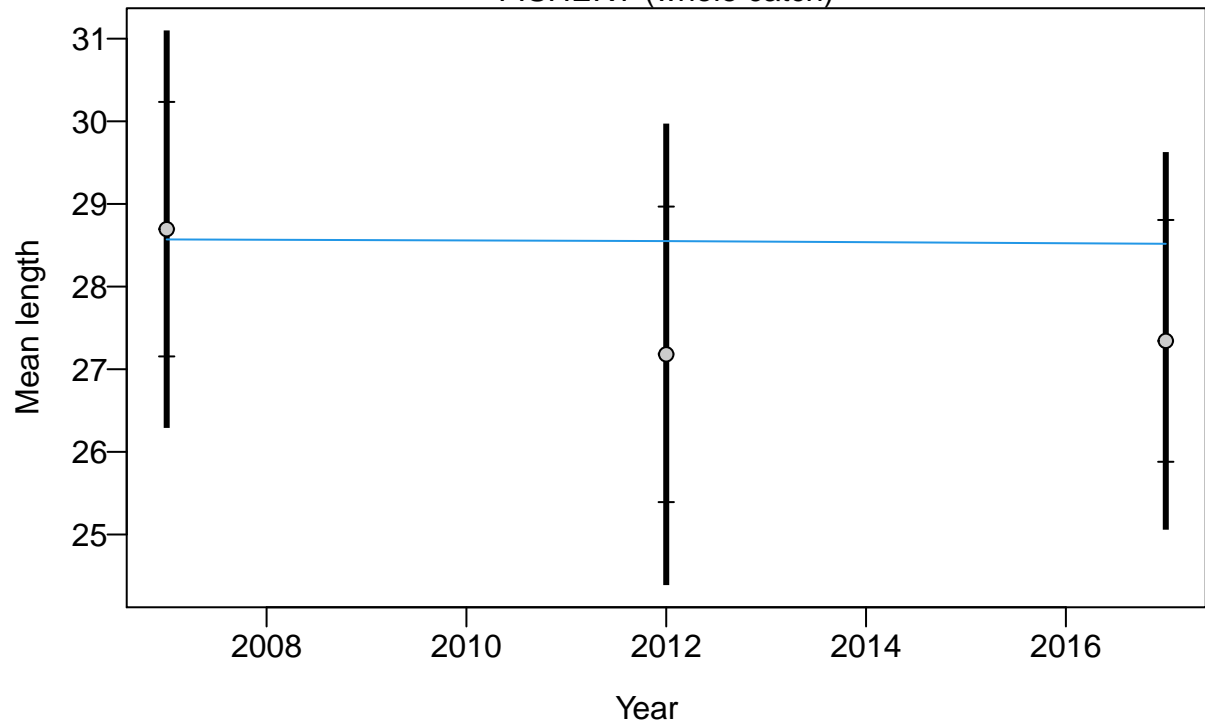
Length (cm)

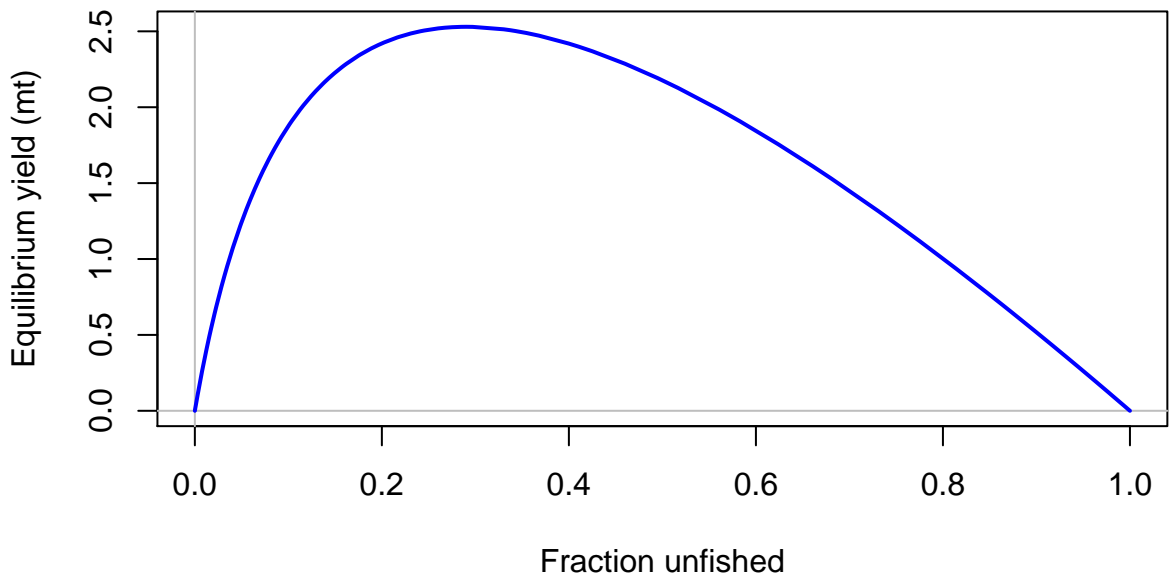


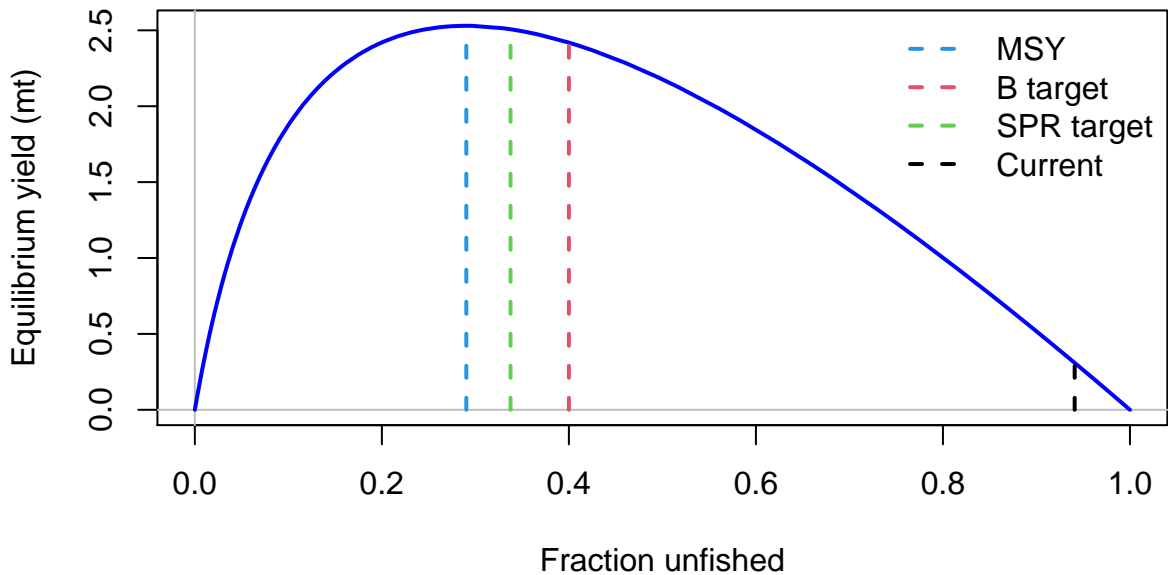


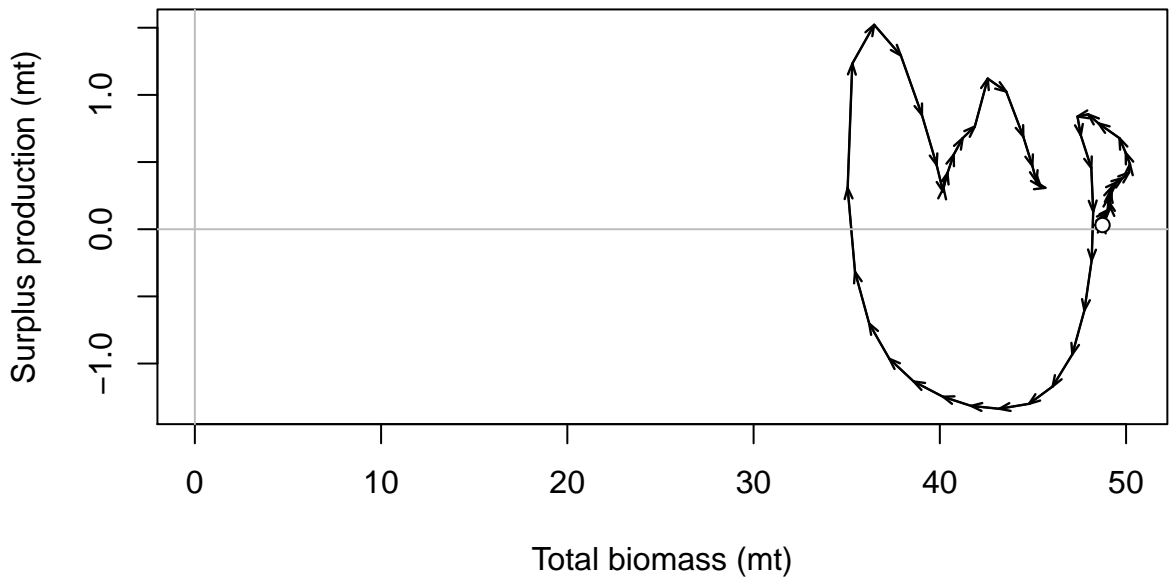


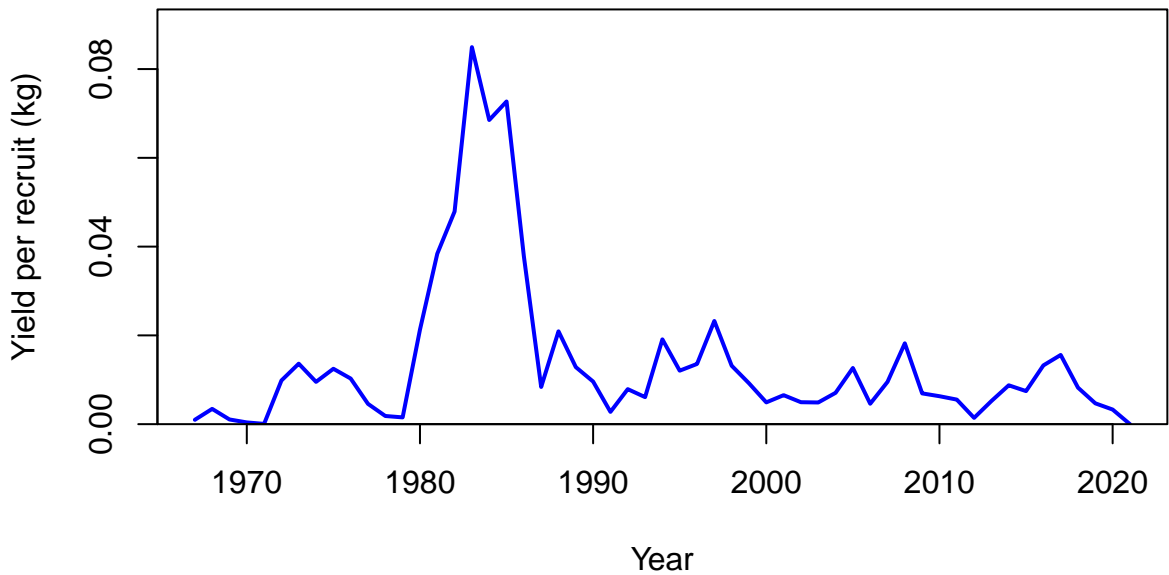
FISHERY (whole catch)

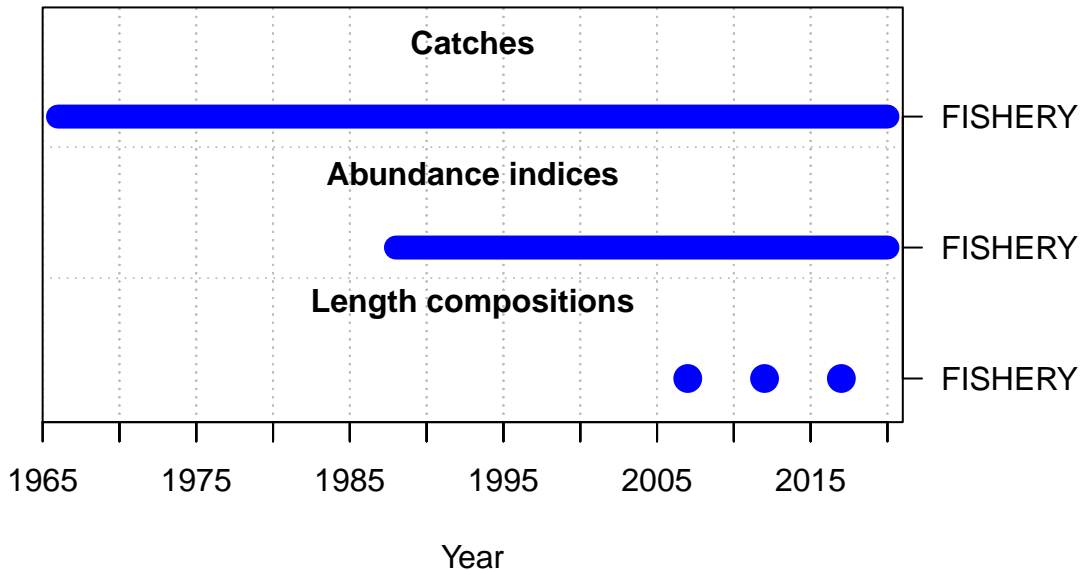


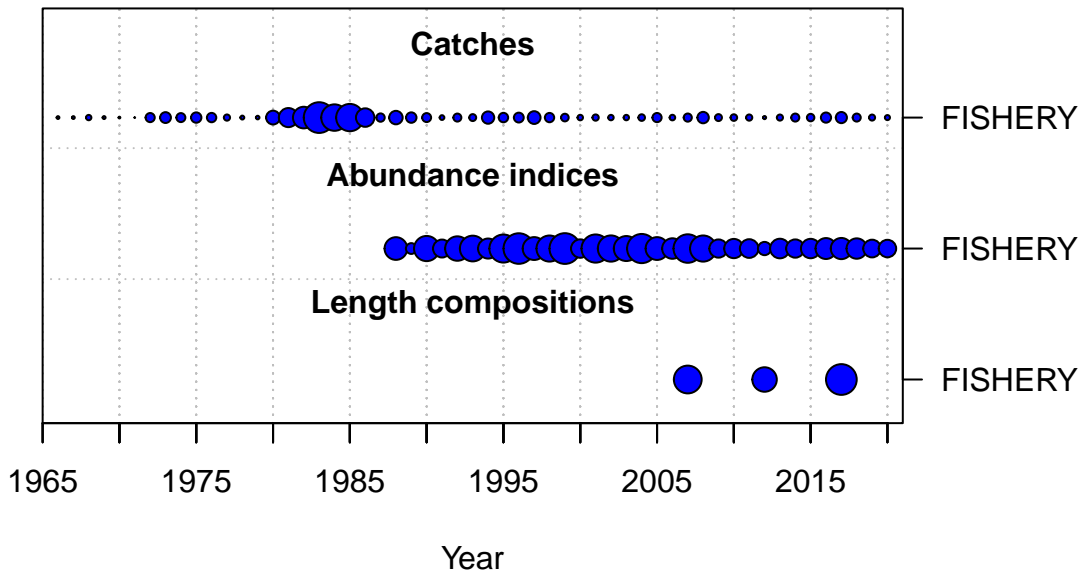






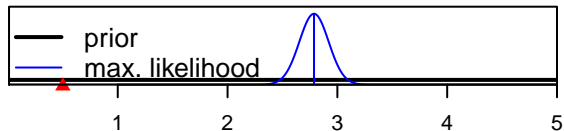




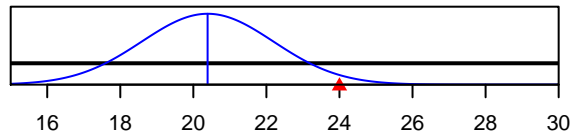




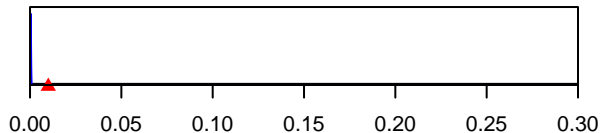
SR\_LN(R0)



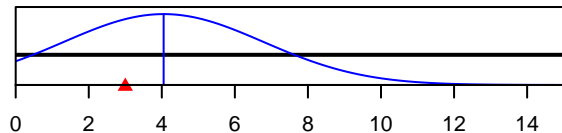
Size\_inflection\_FISHERY(1)



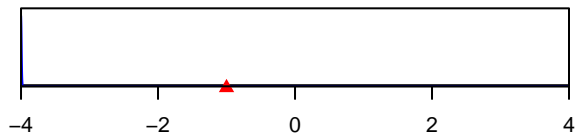
InitF\_seas\_1\_flt\_1FISHERY



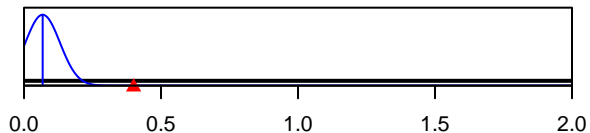
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value