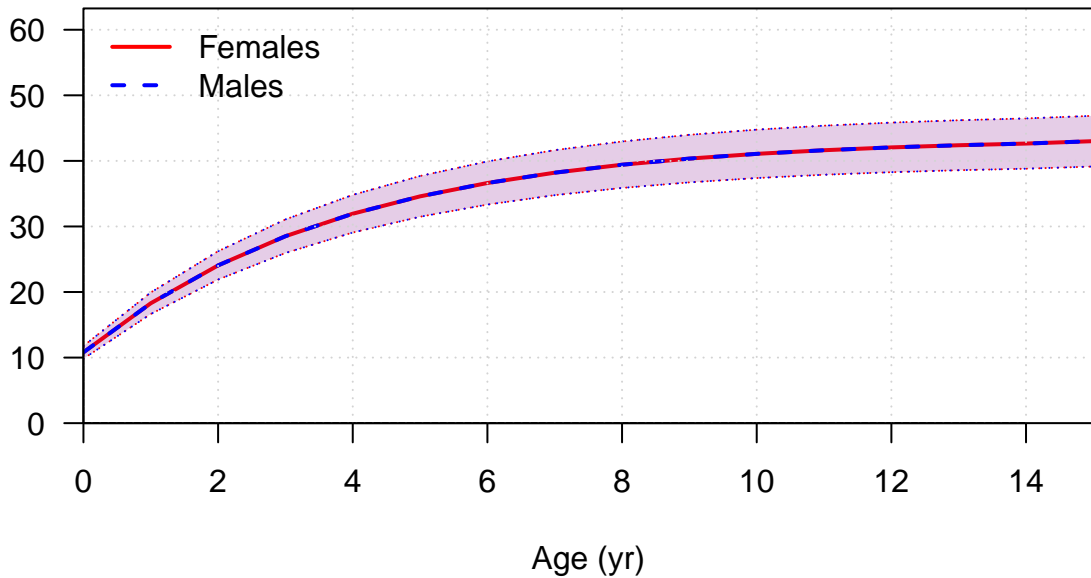
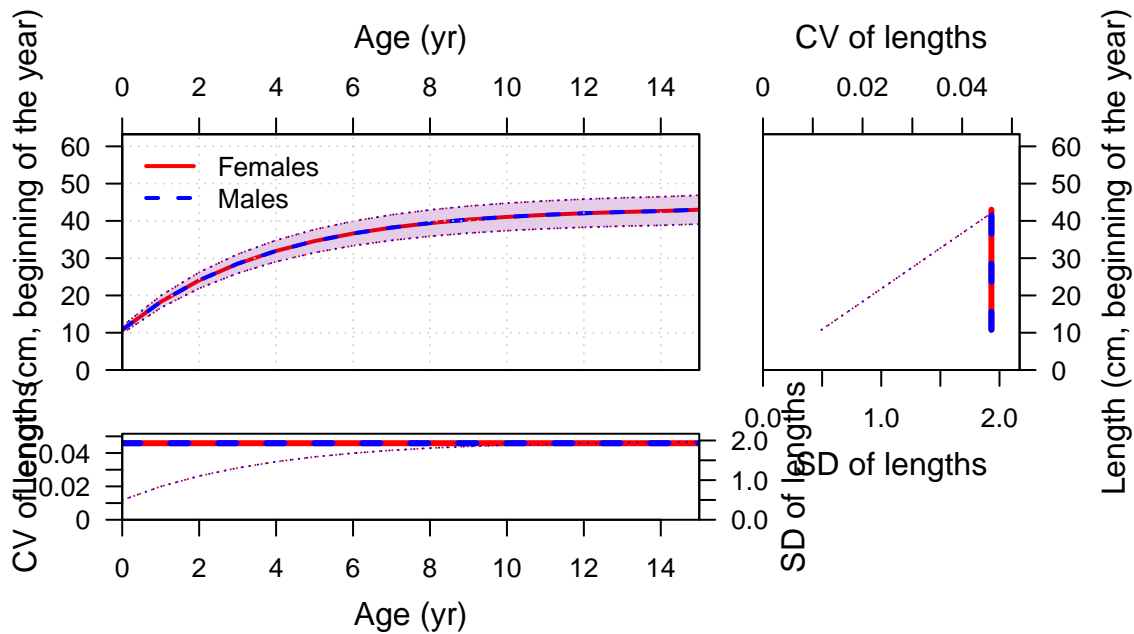
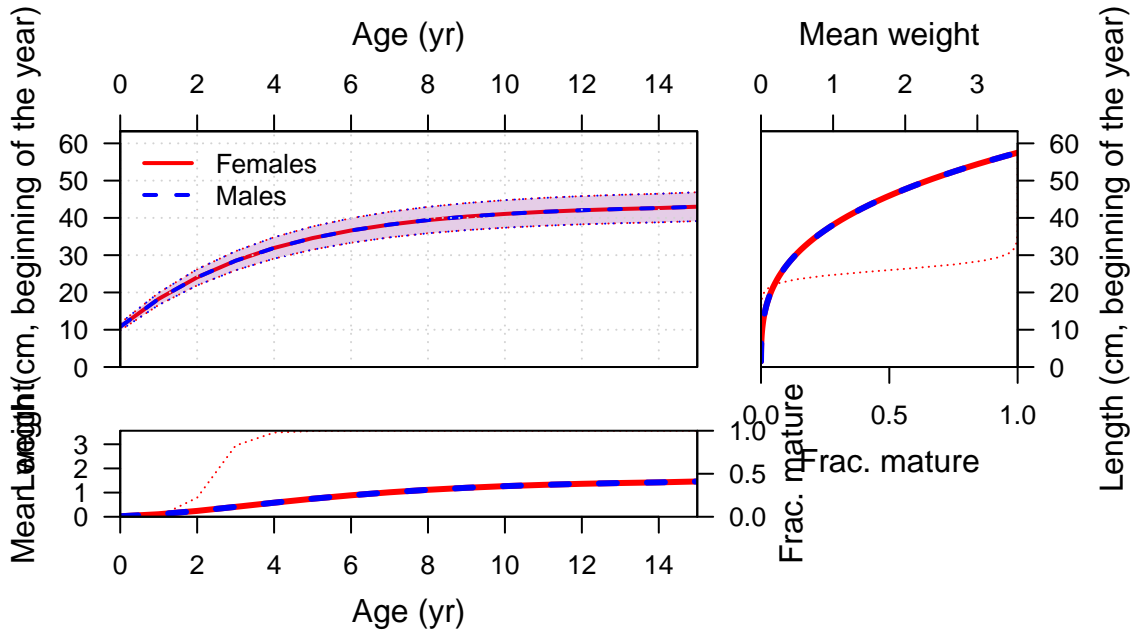


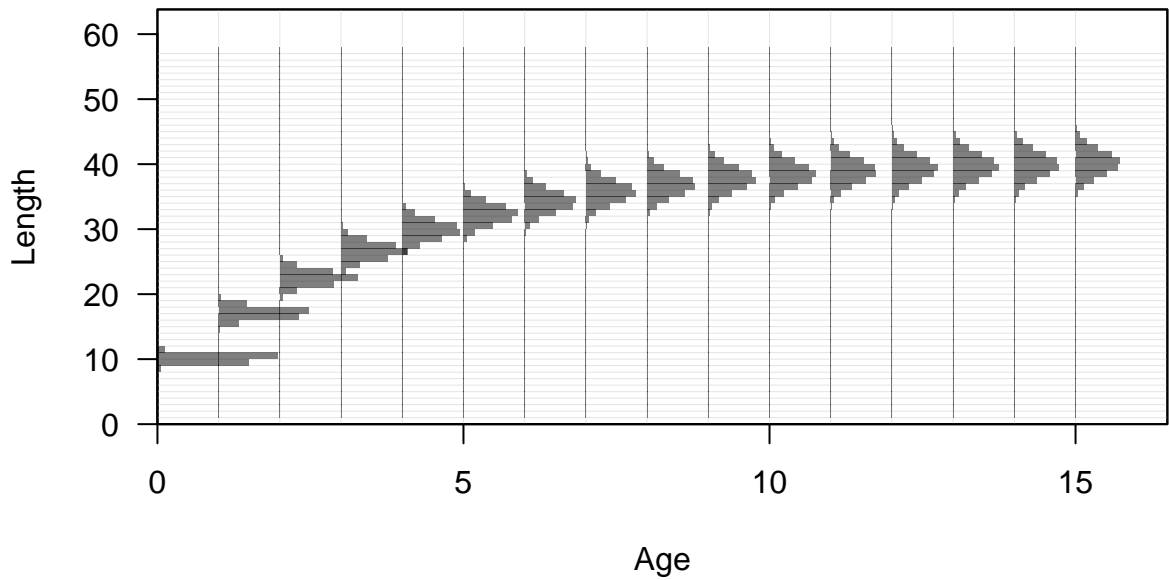
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Fri Aug 12 16:26:35 2022
Data_File: data.ss
Control_File: control.ss

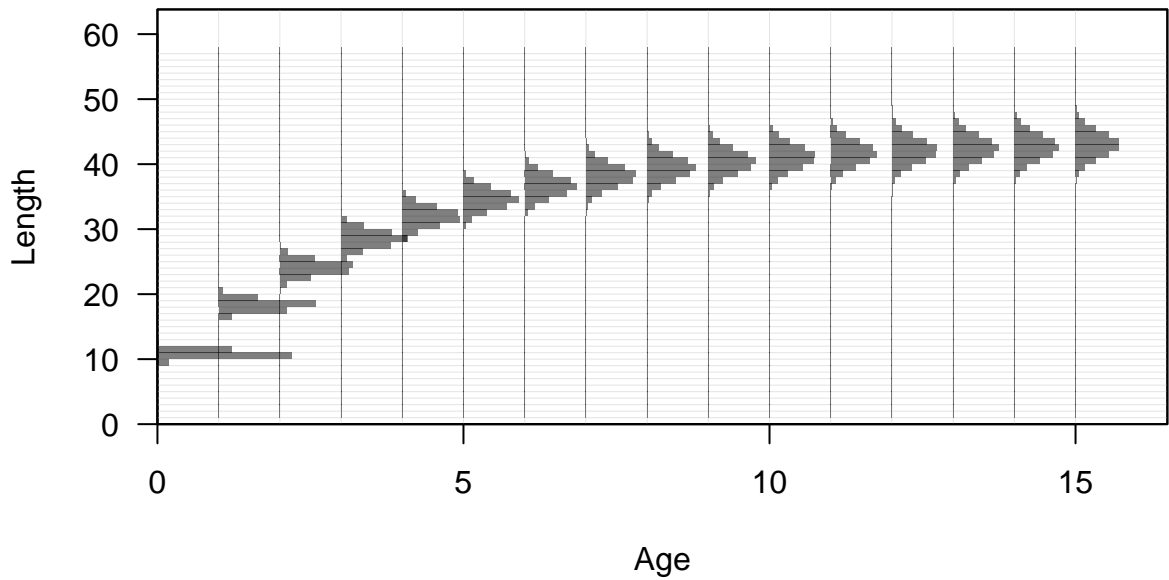
Length (cm, beginning of the year)

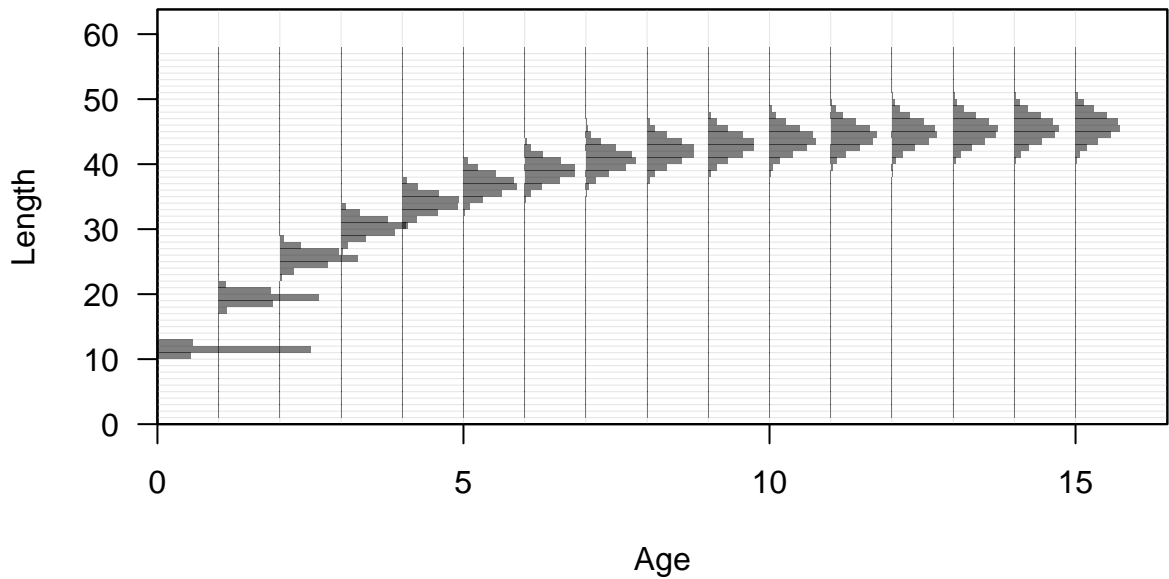


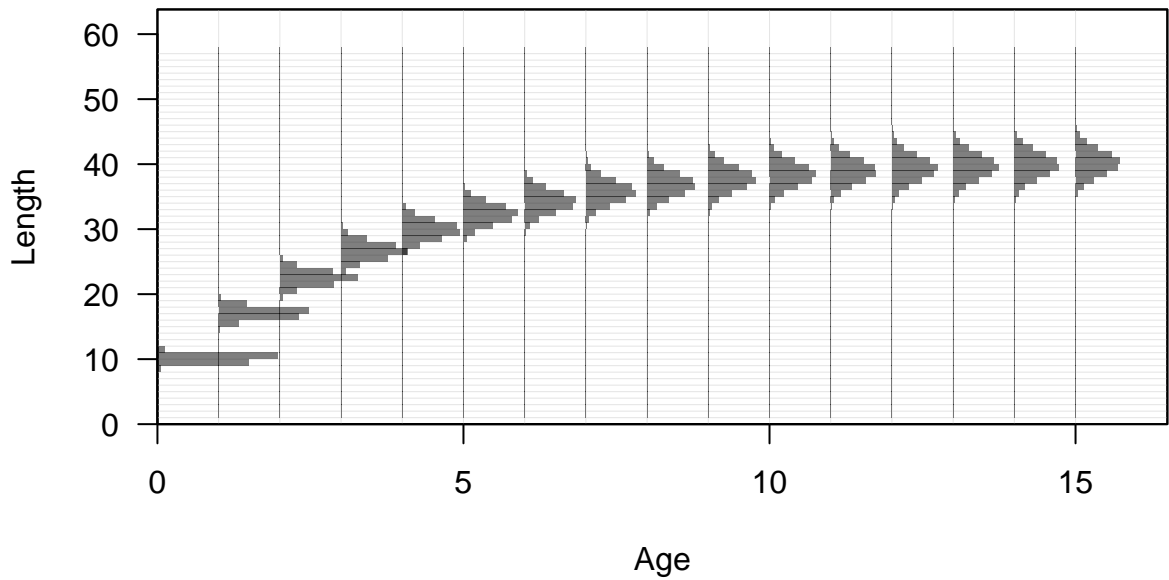


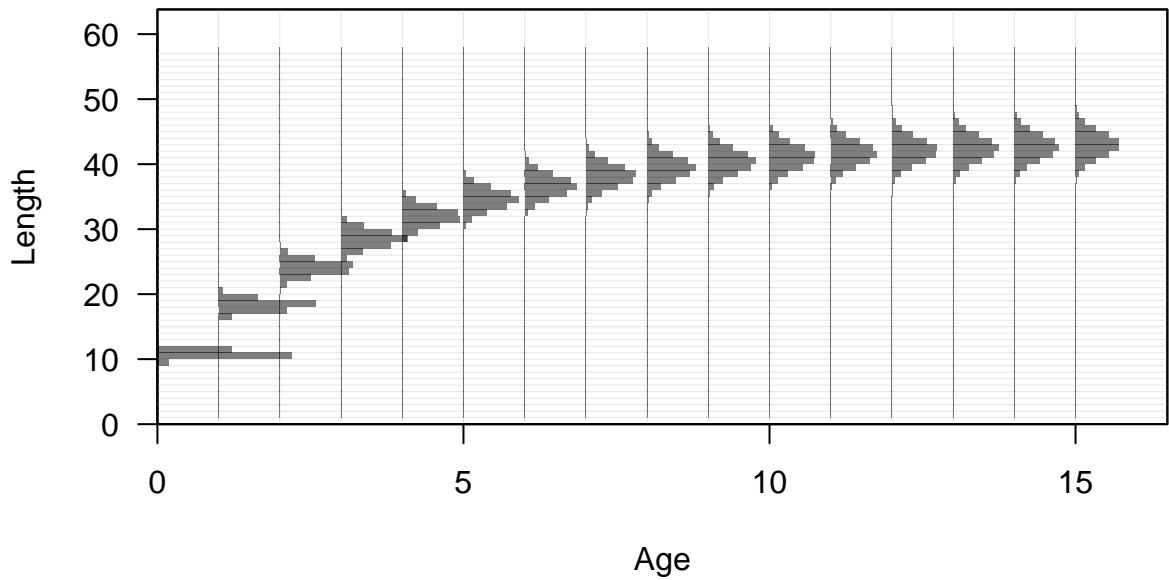


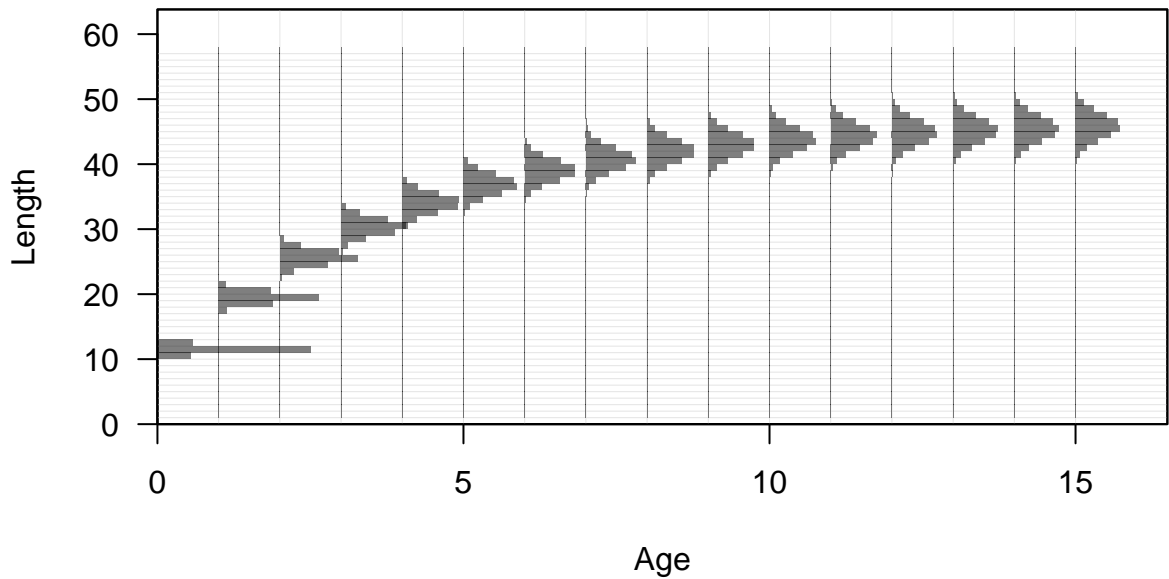


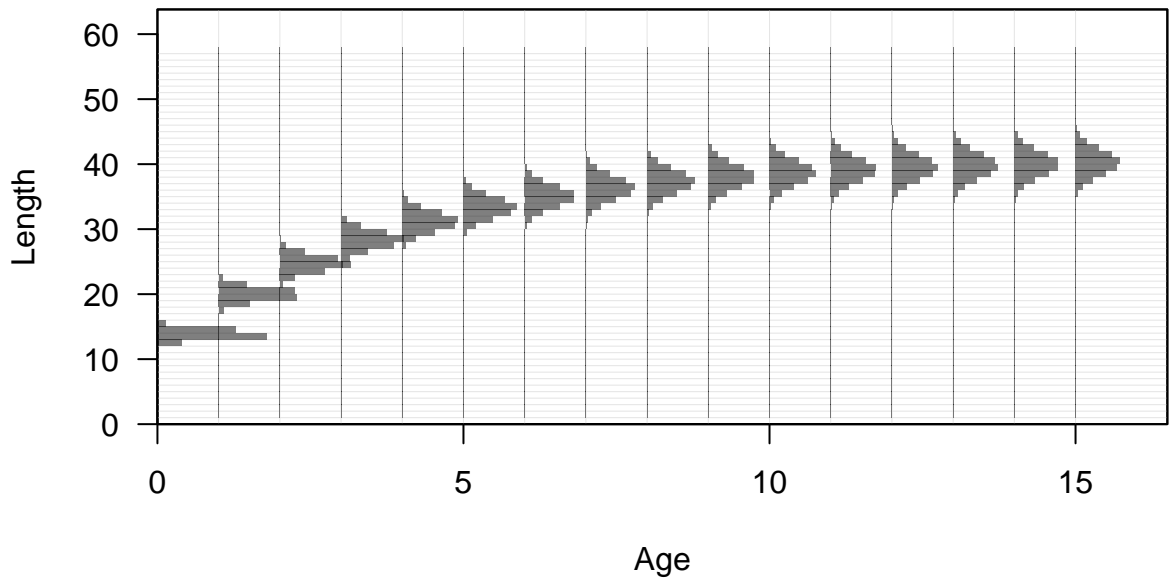


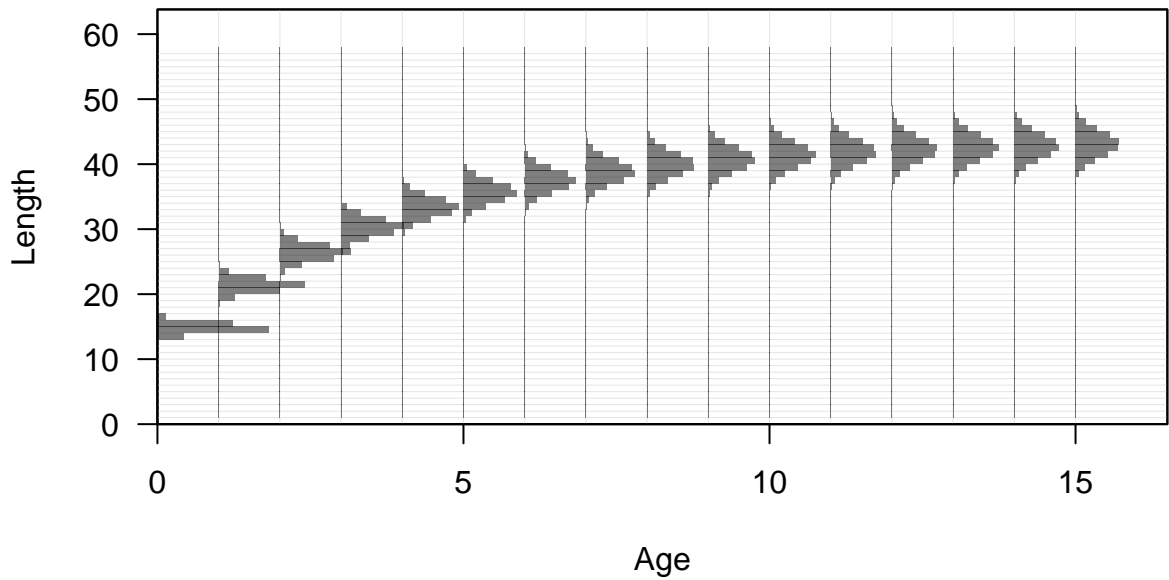


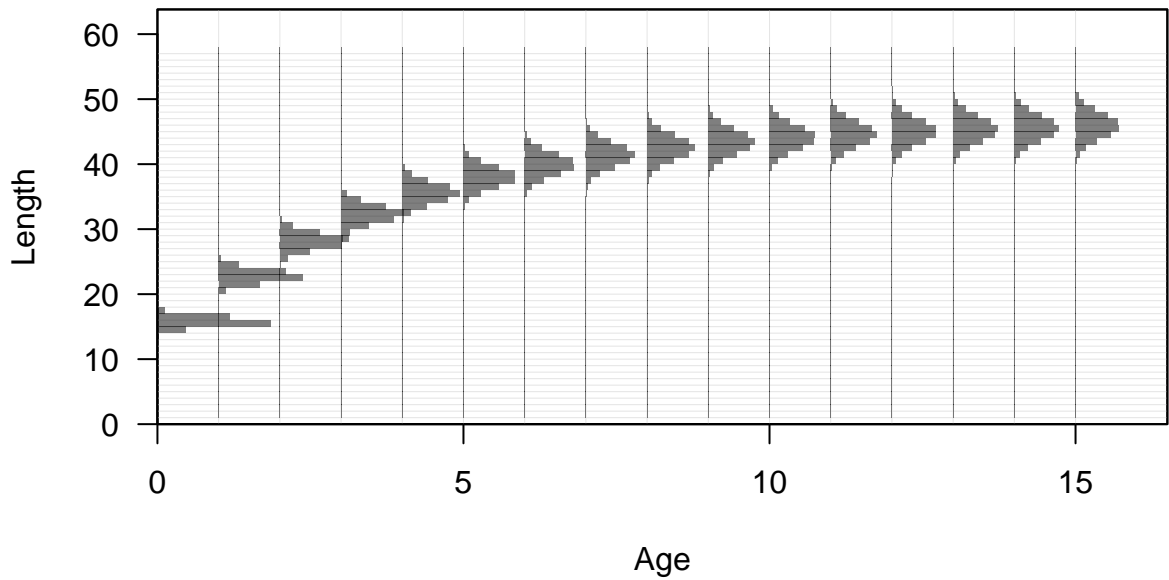


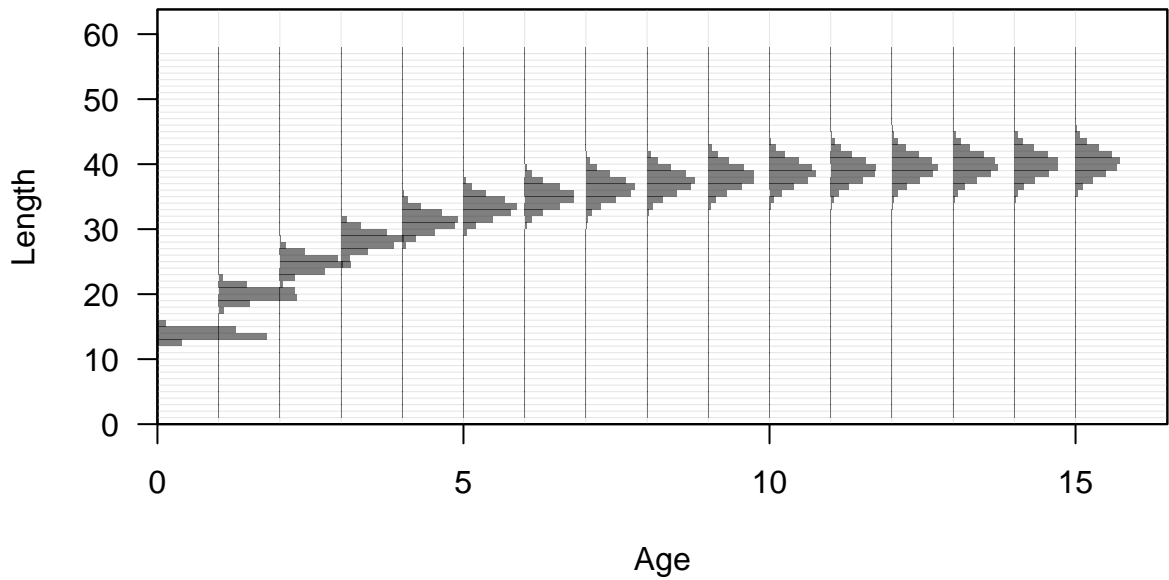


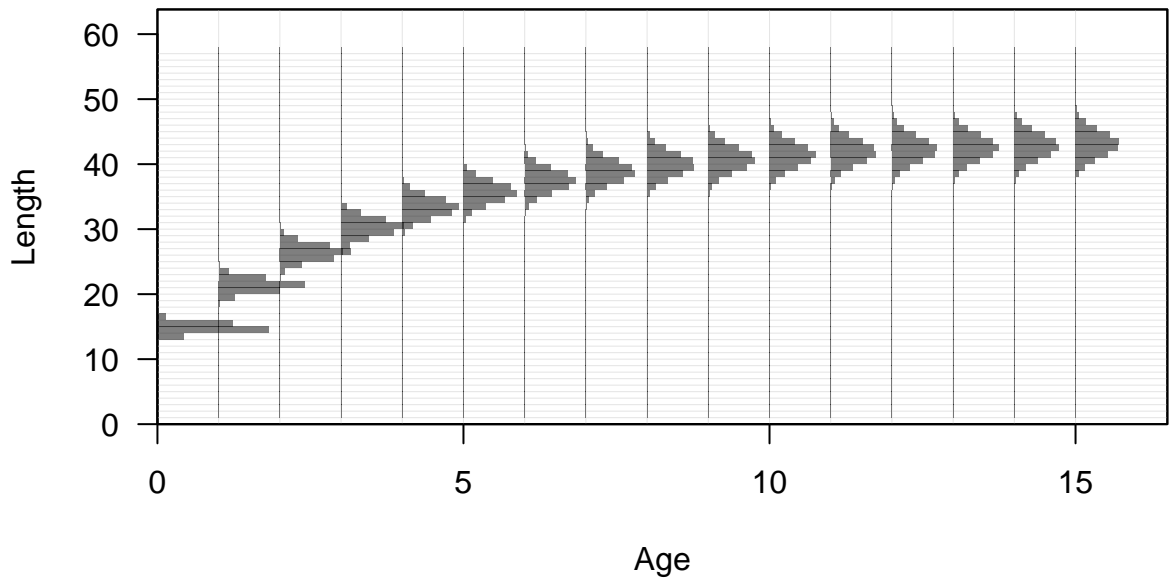


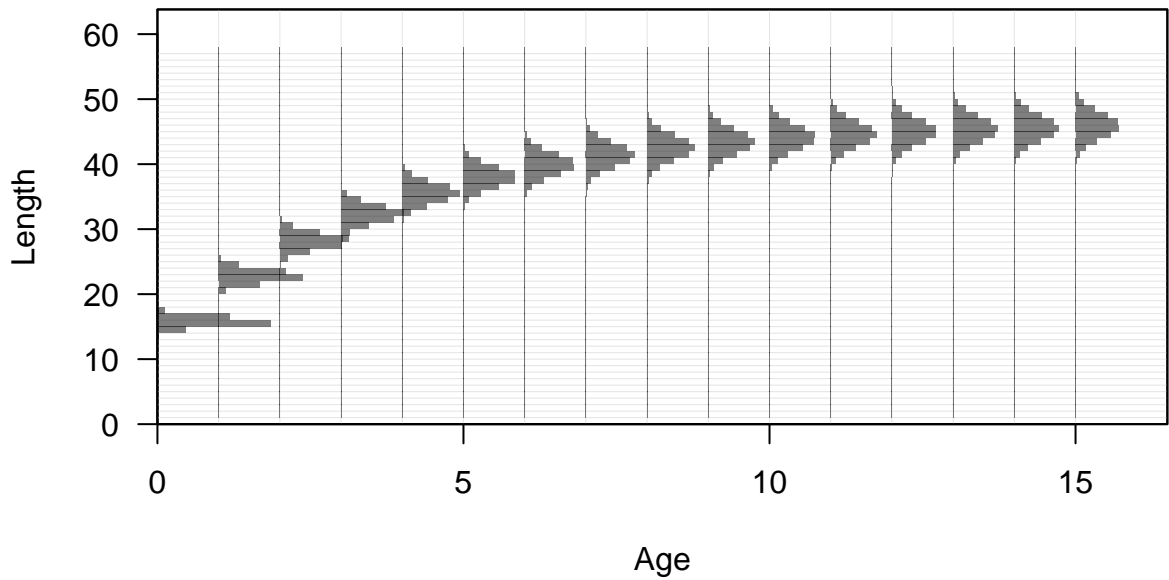




















Fecundity



Fecundity



Spawning output

3

2

1

0

0

10

20

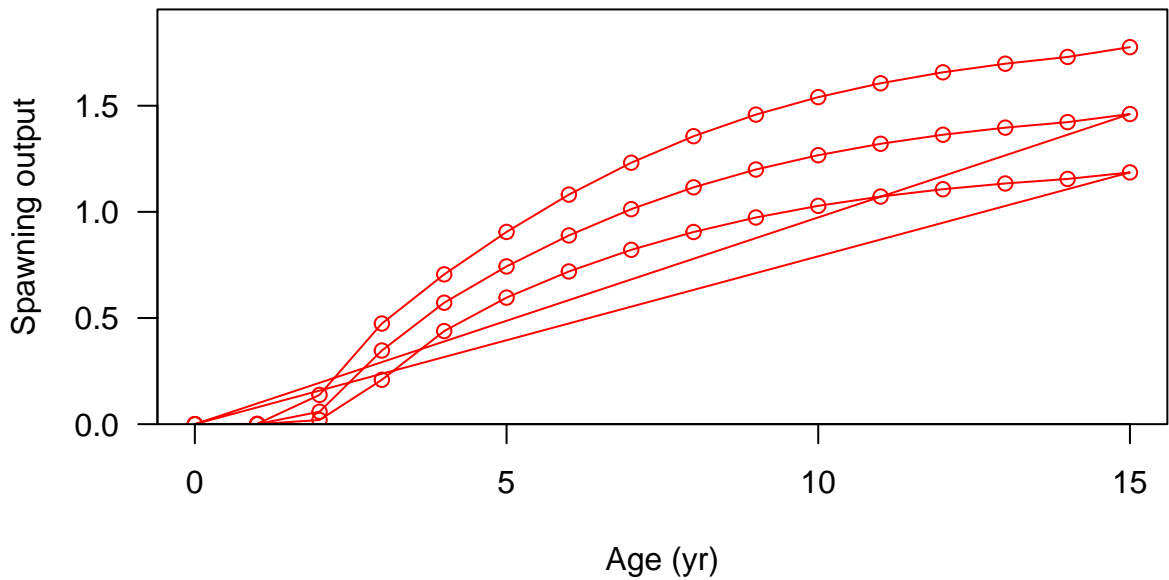
30

40

50

Length (cm)





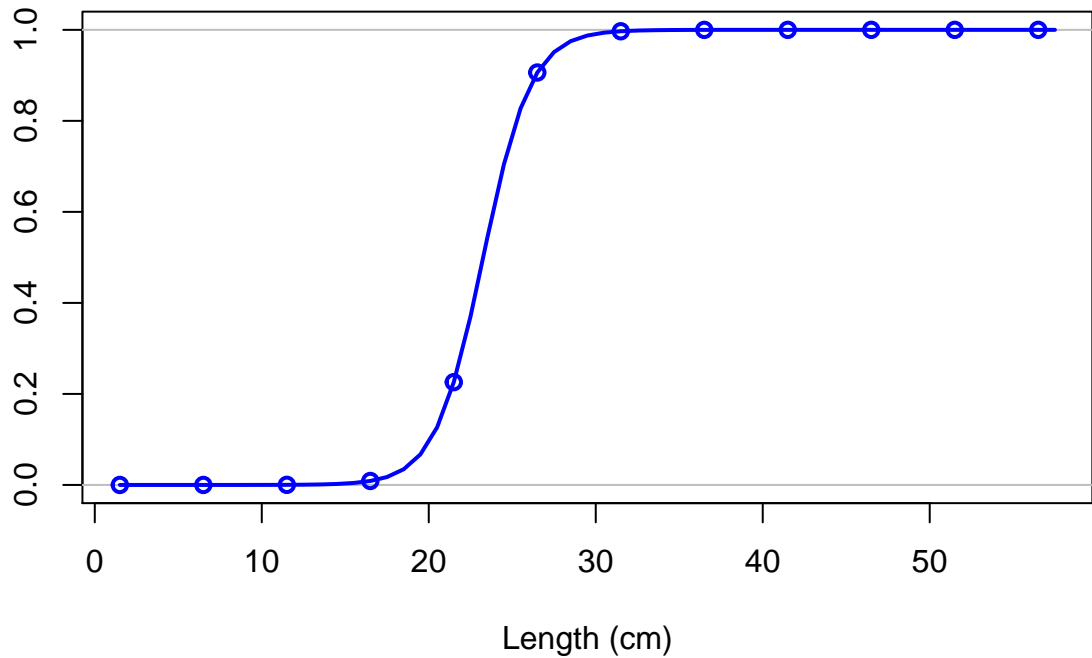
Hermaphroditism transition rate



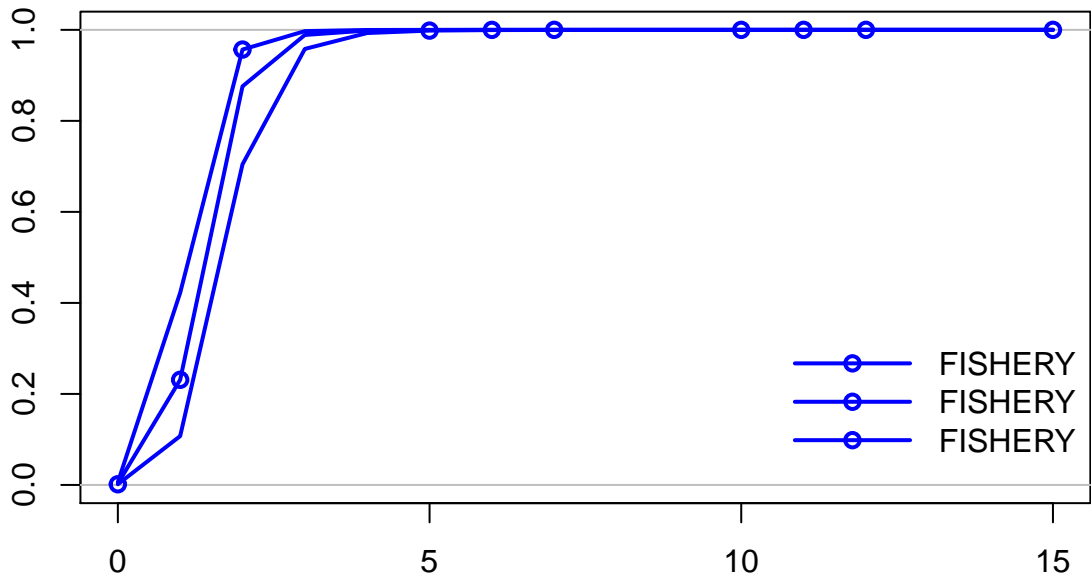
Fraction females by age at equilibrium



Selectivity

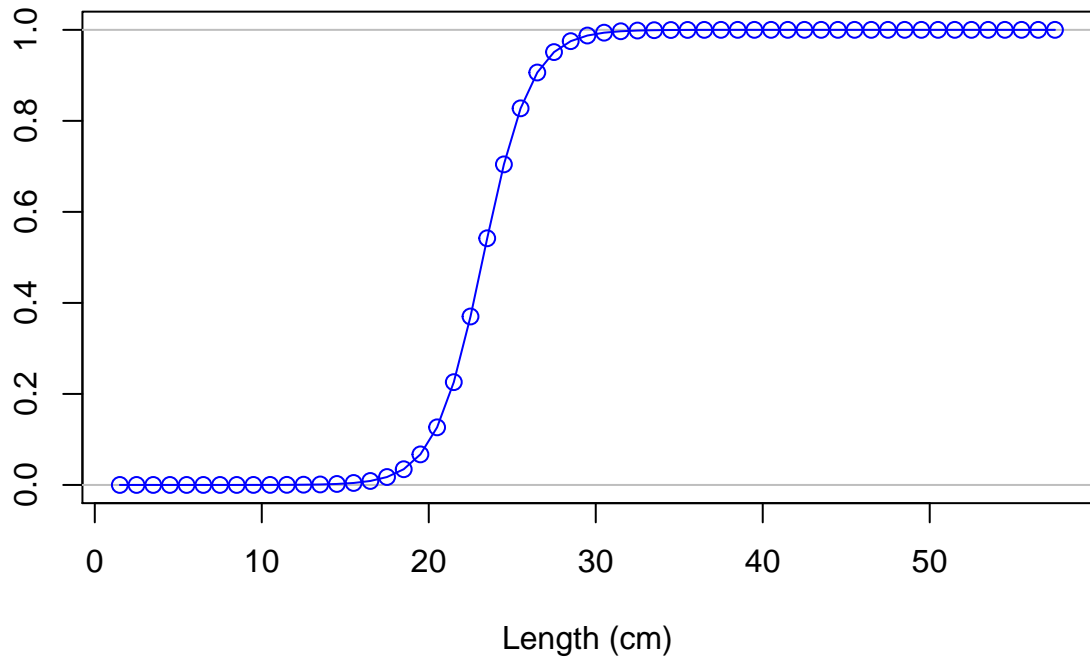


Selectivity

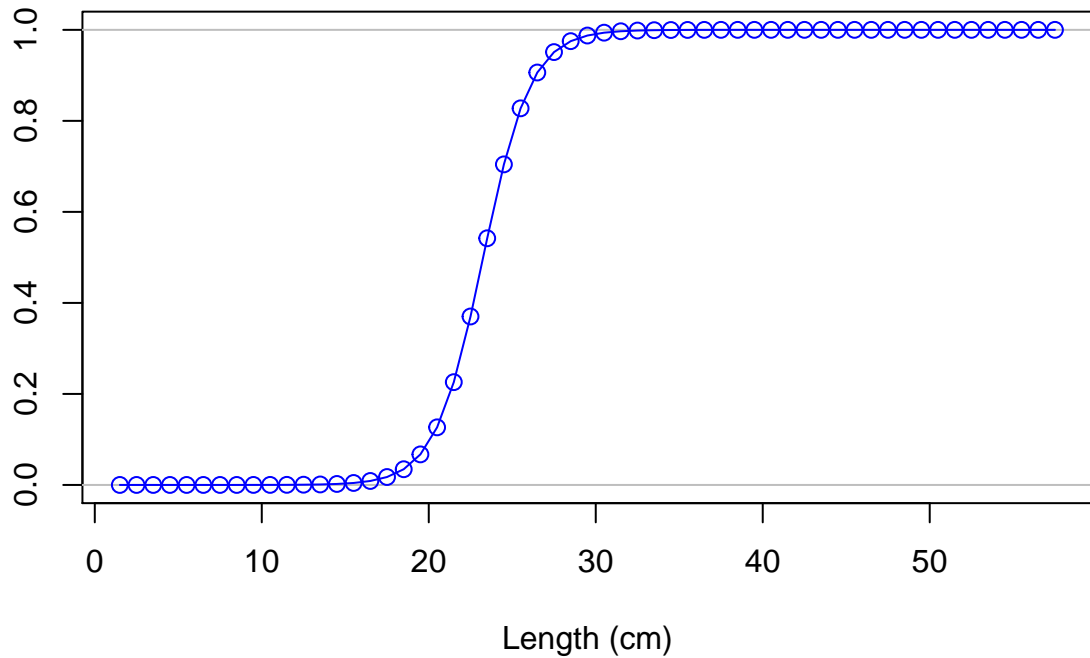


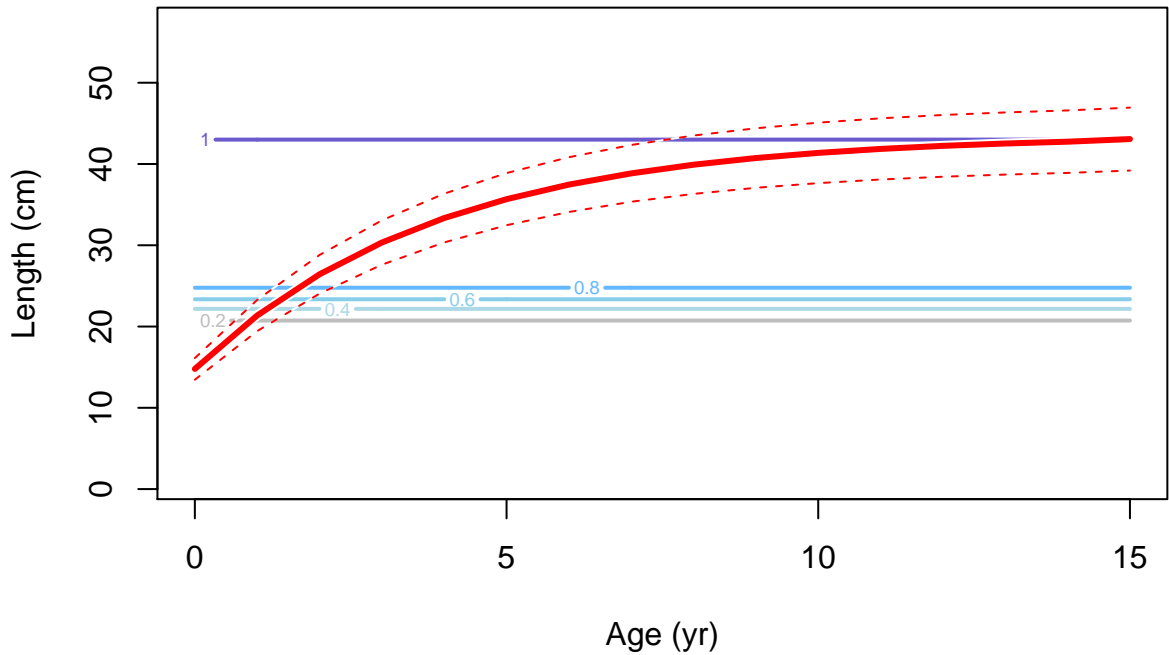
Age (yr)

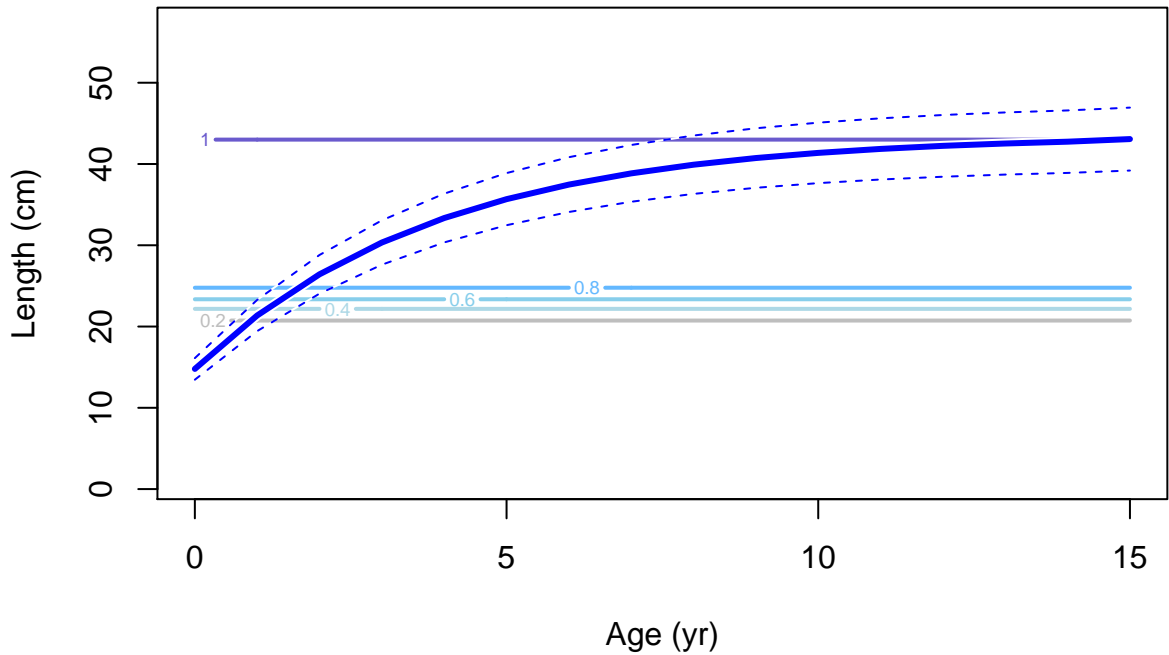
Selectivity



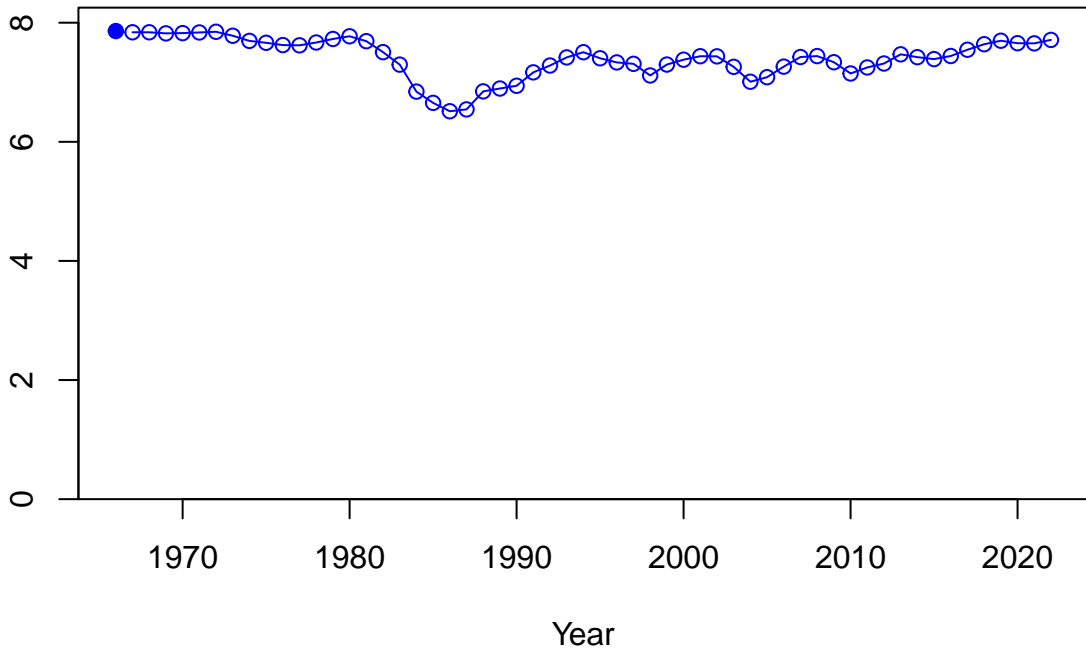
Selectivity



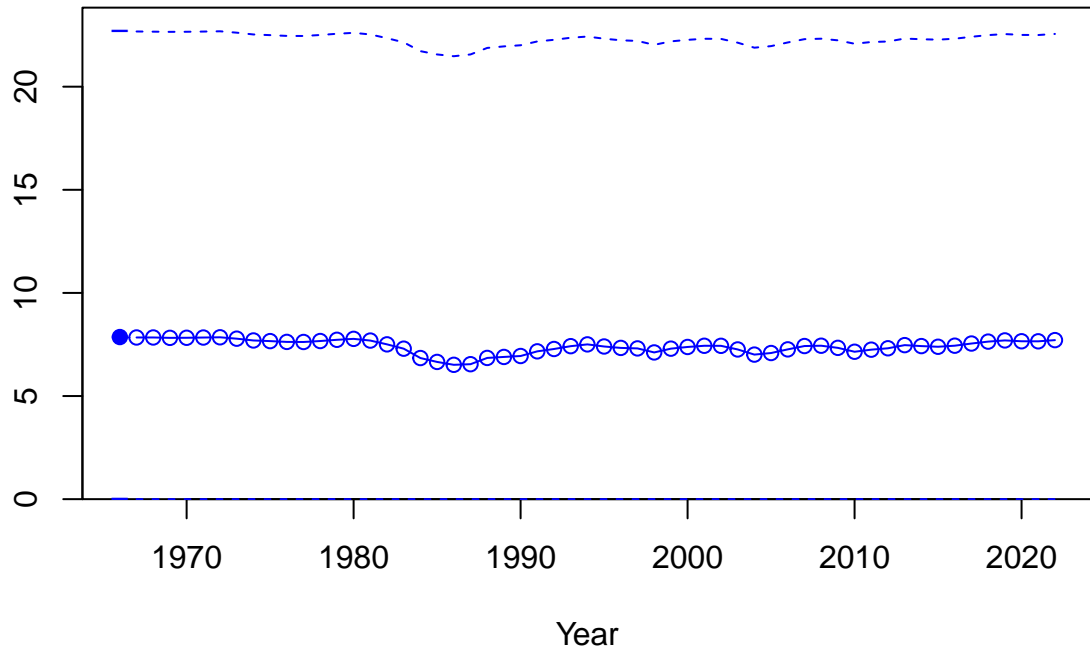




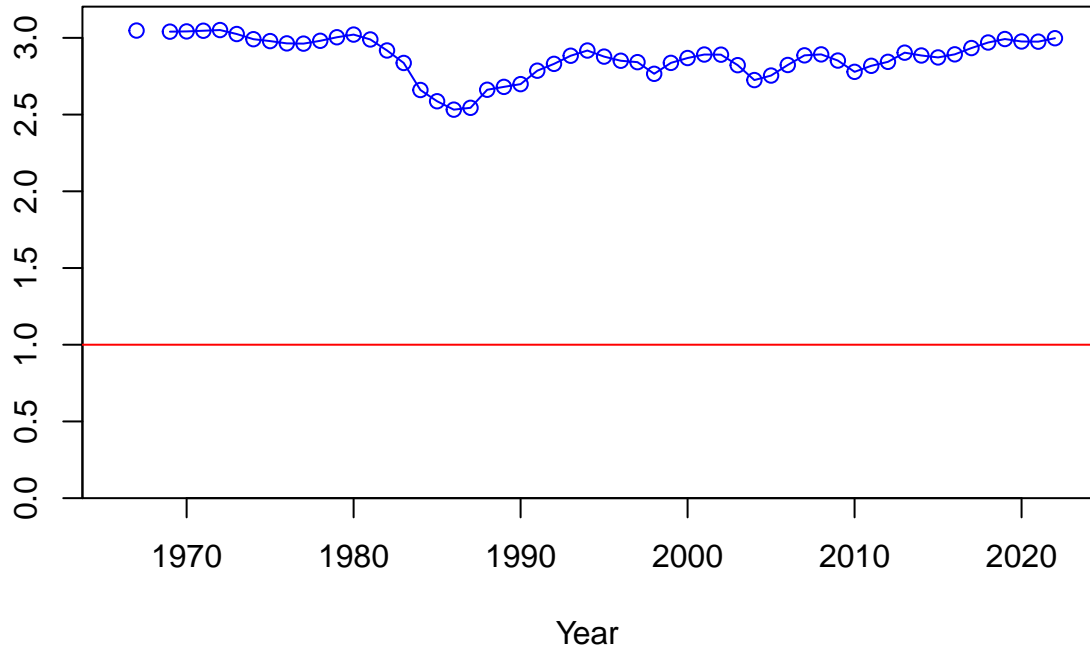
Spawning biomass (mt)



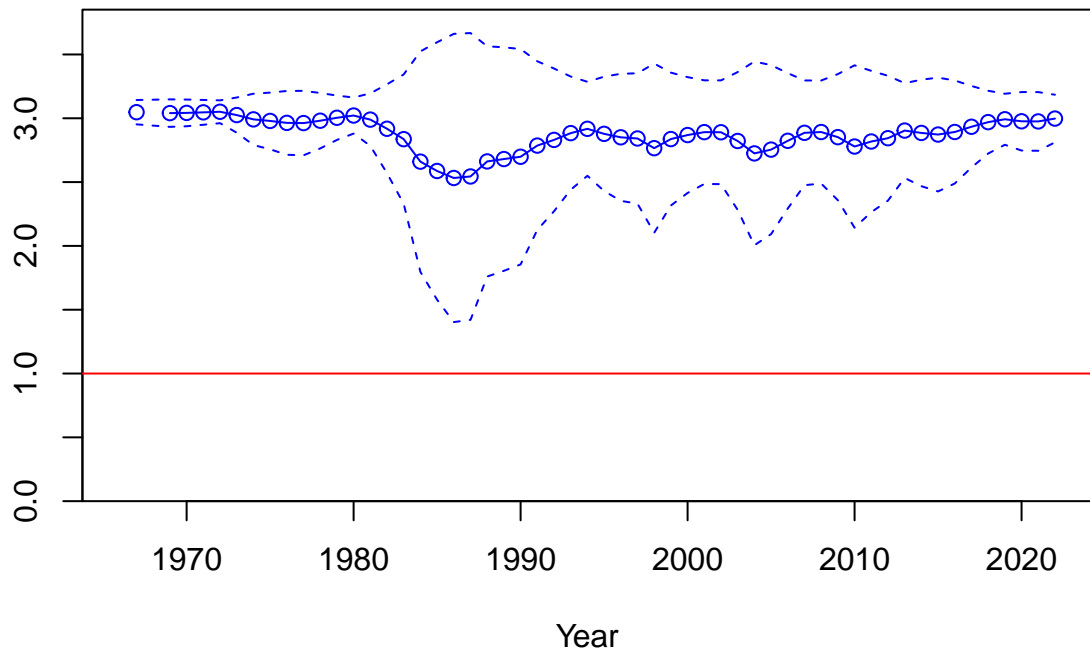
Spawning biomass (mt)

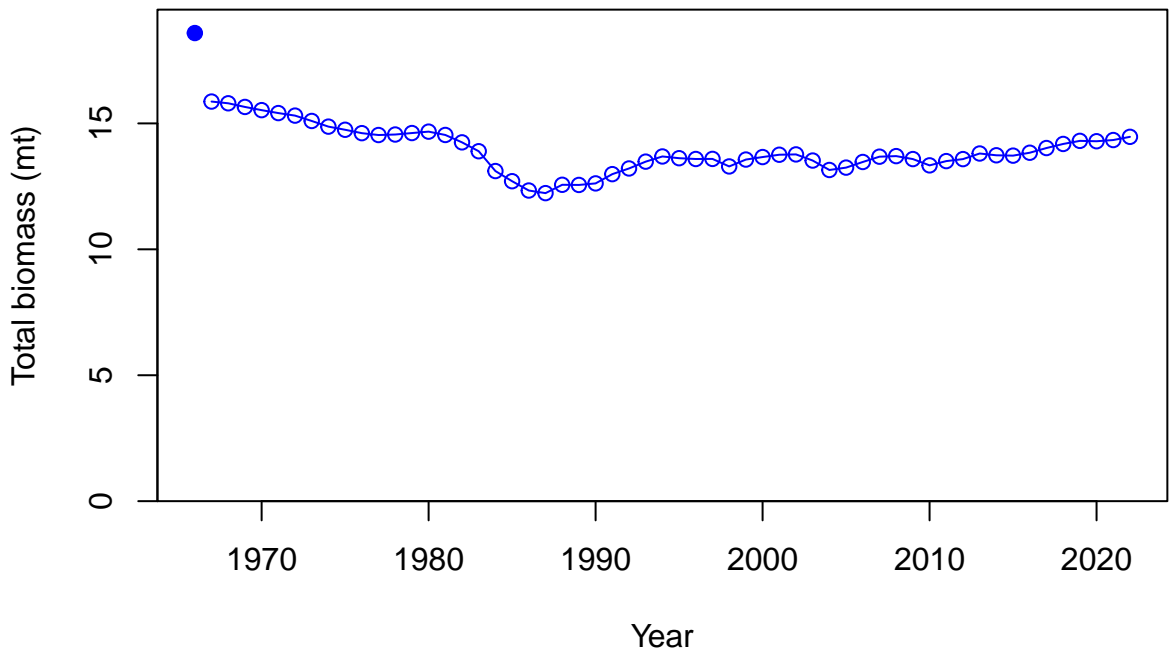


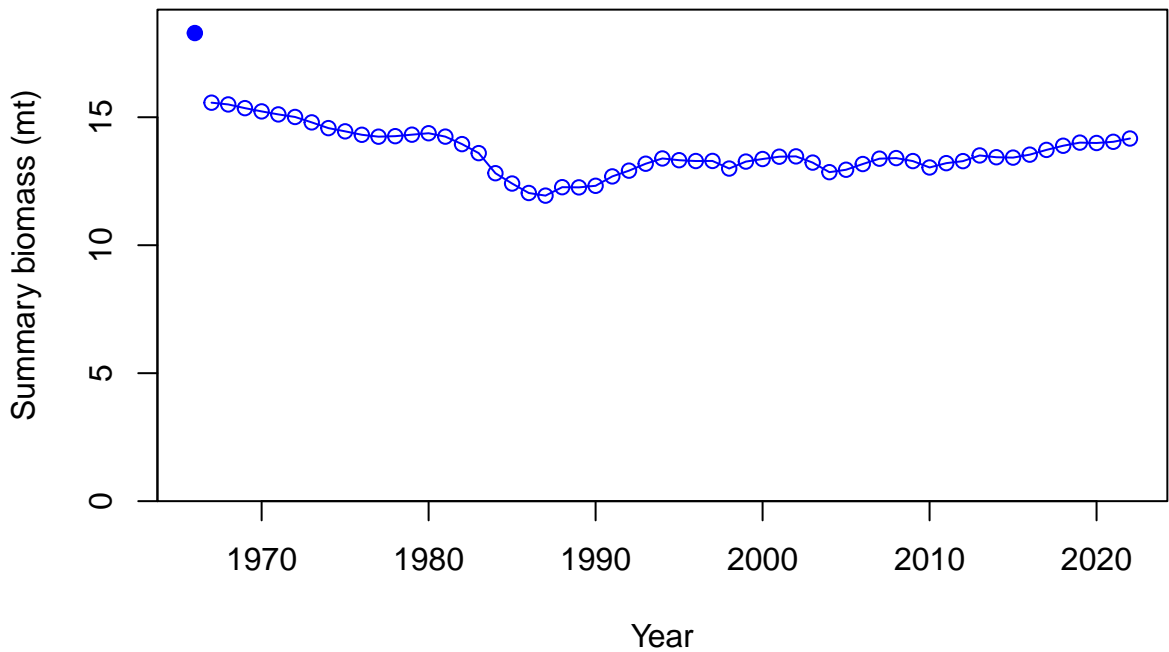
Relative spawning biomass: B/B_{MSY}



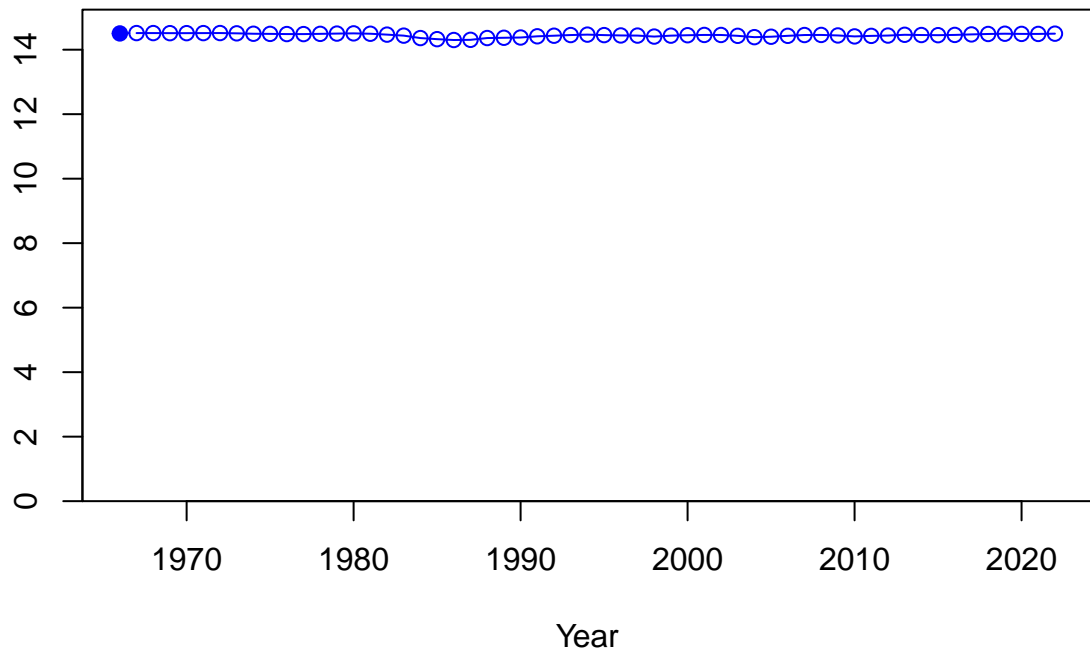
Relative spawning biomass: B/B_{MSY}



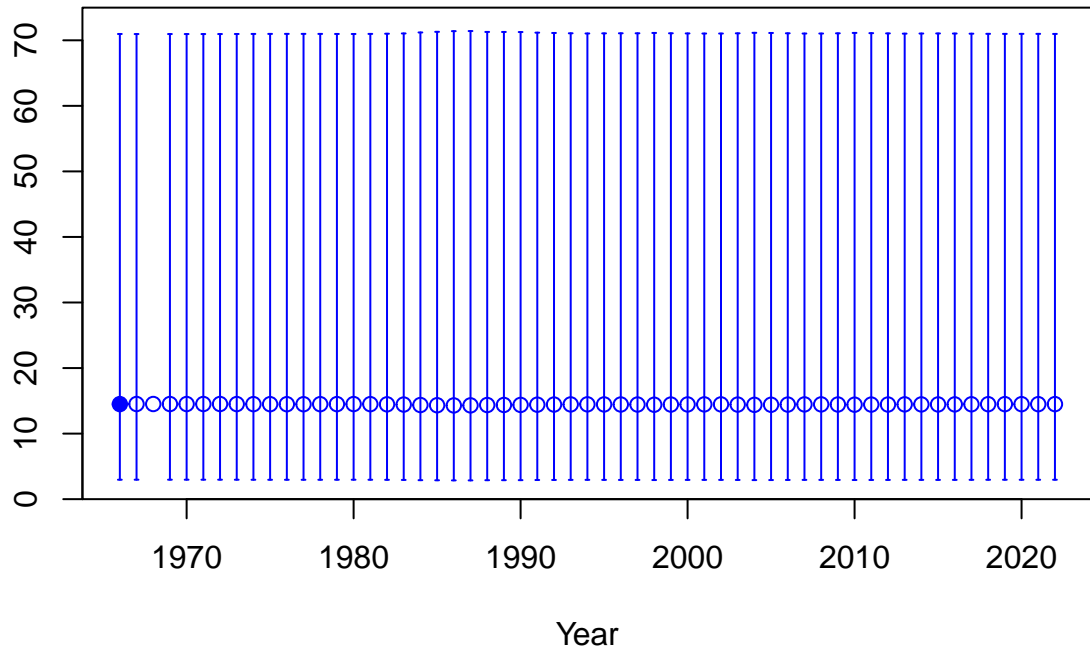




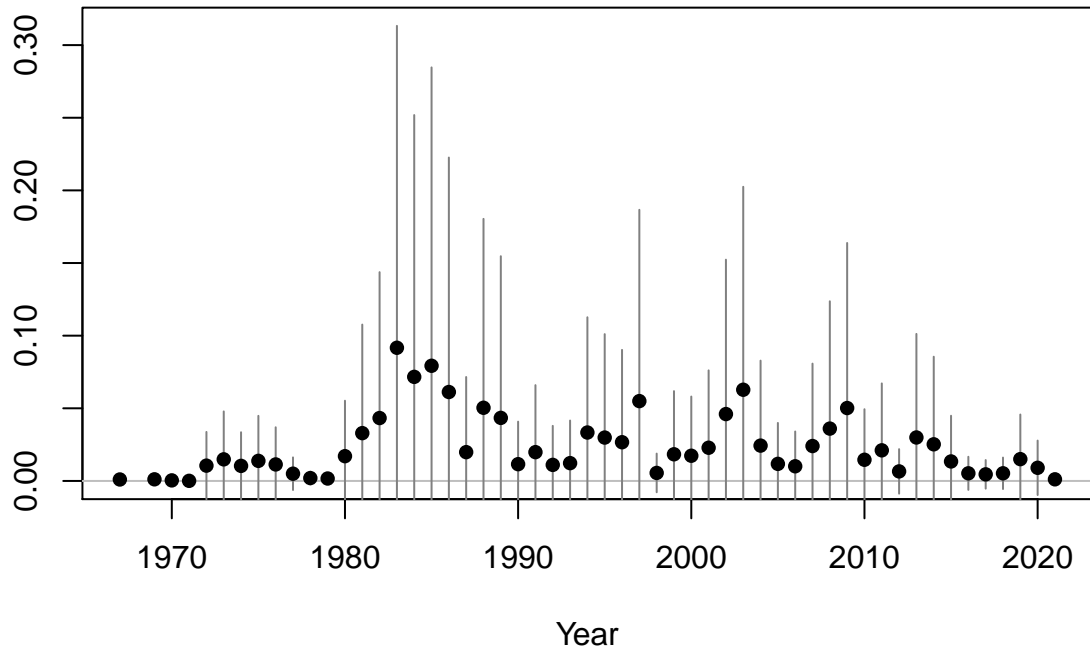
Age-0 recruits (1,000s)

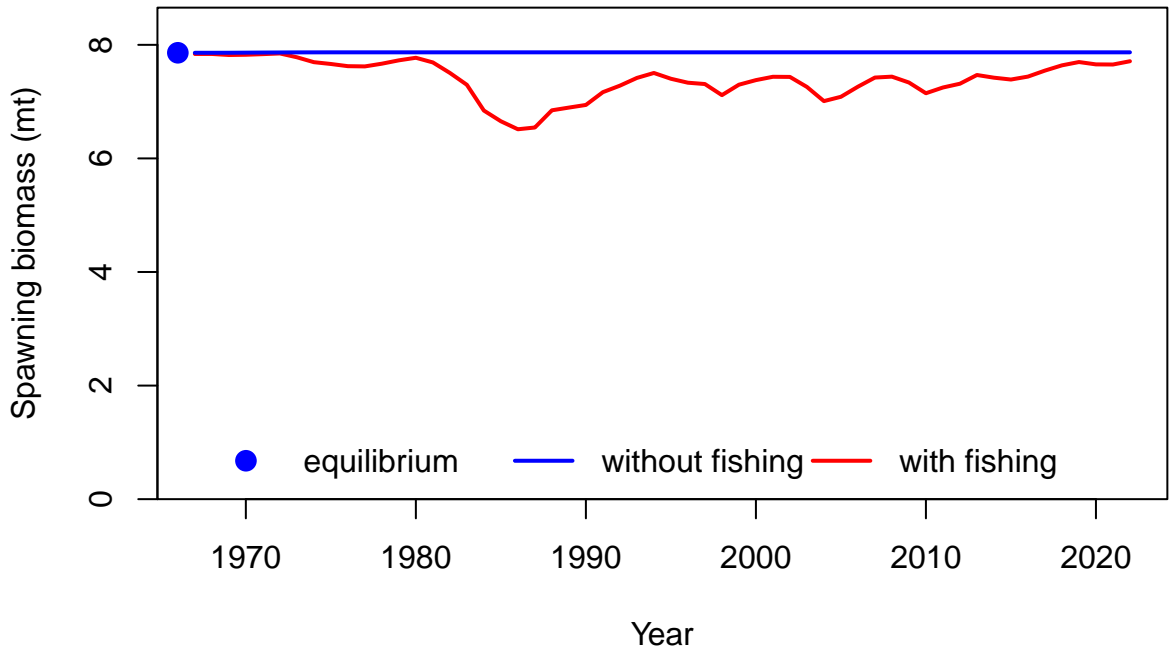


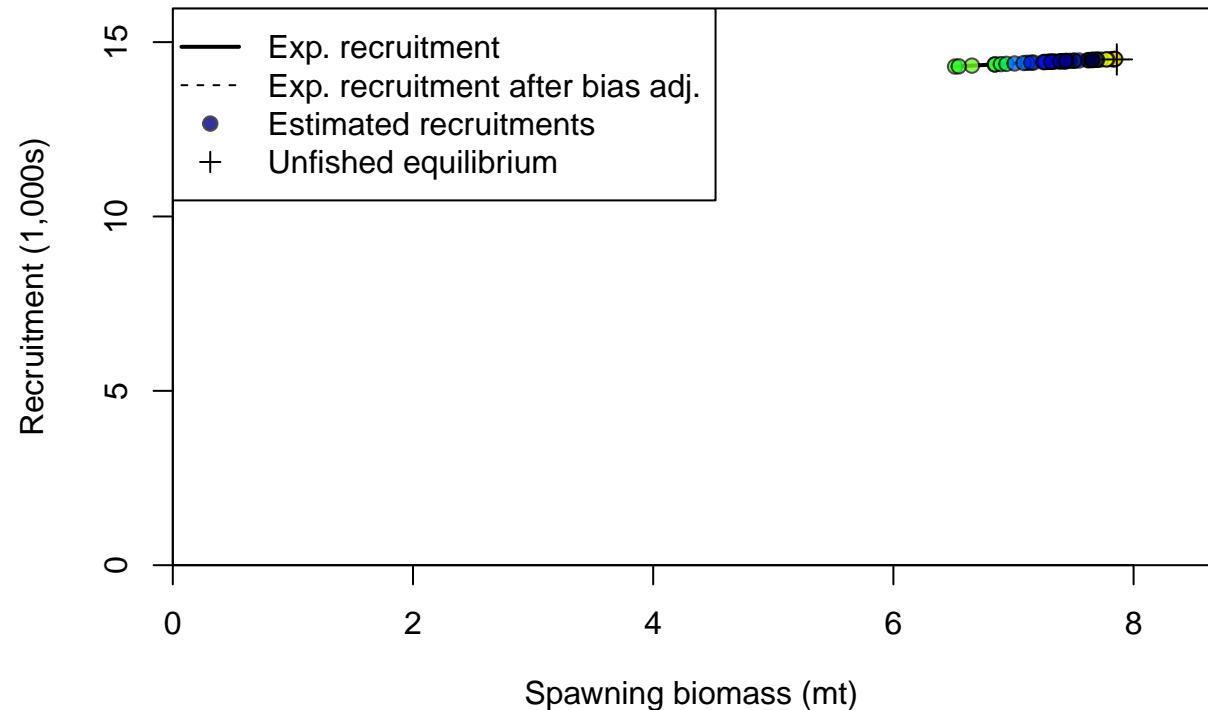
Age-0 recruits (1,000s)

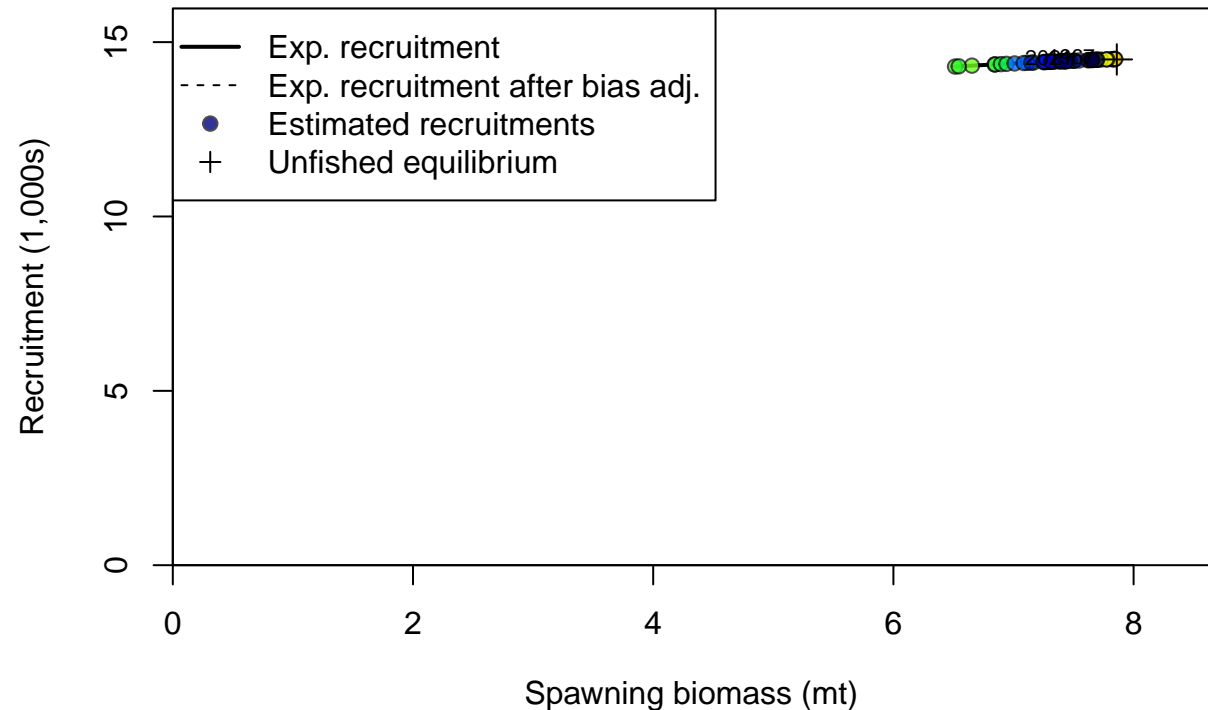


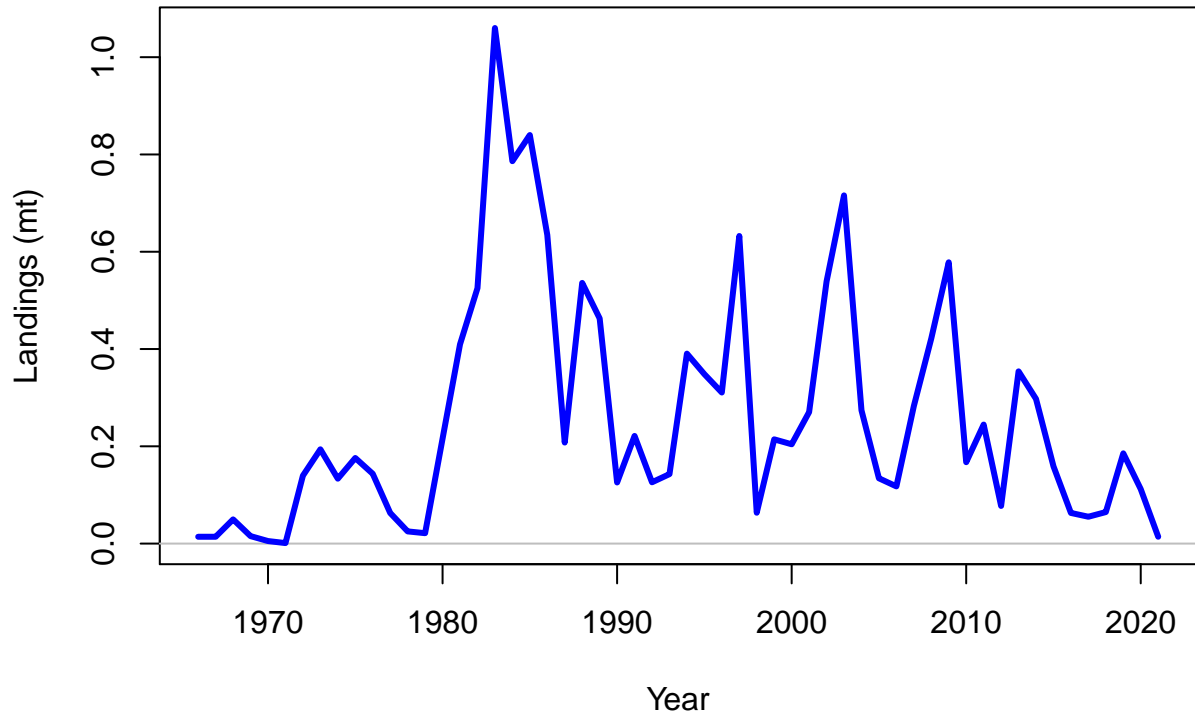
Summary Fishing Mortality

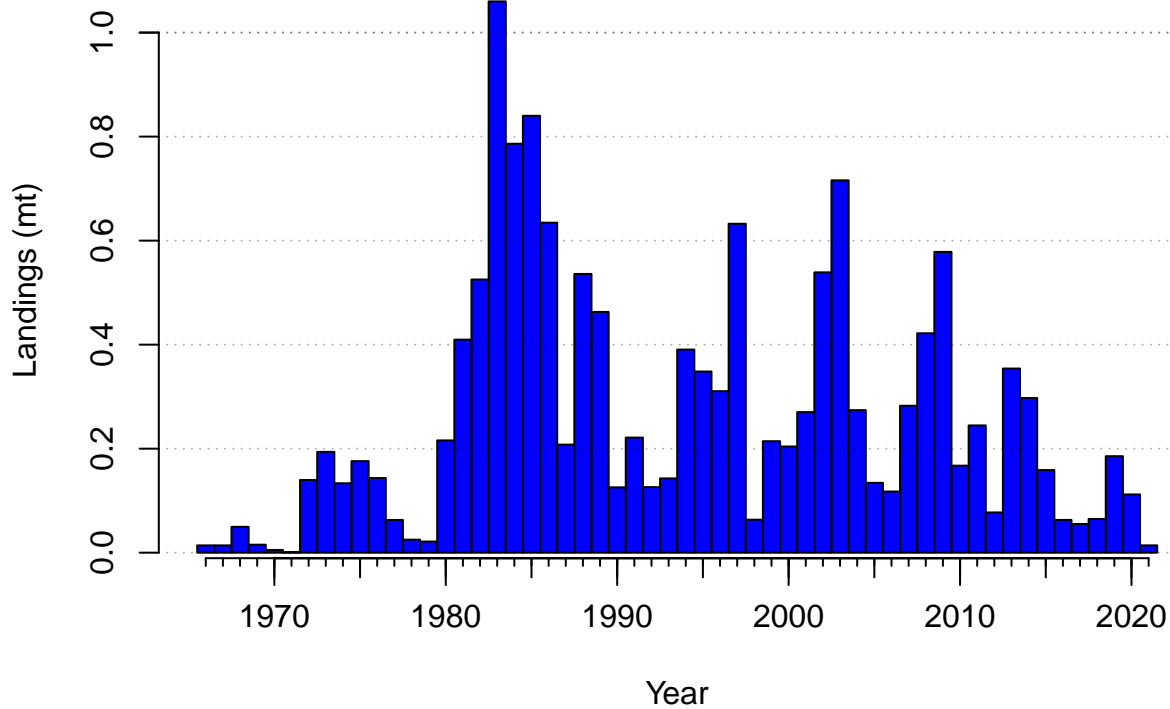


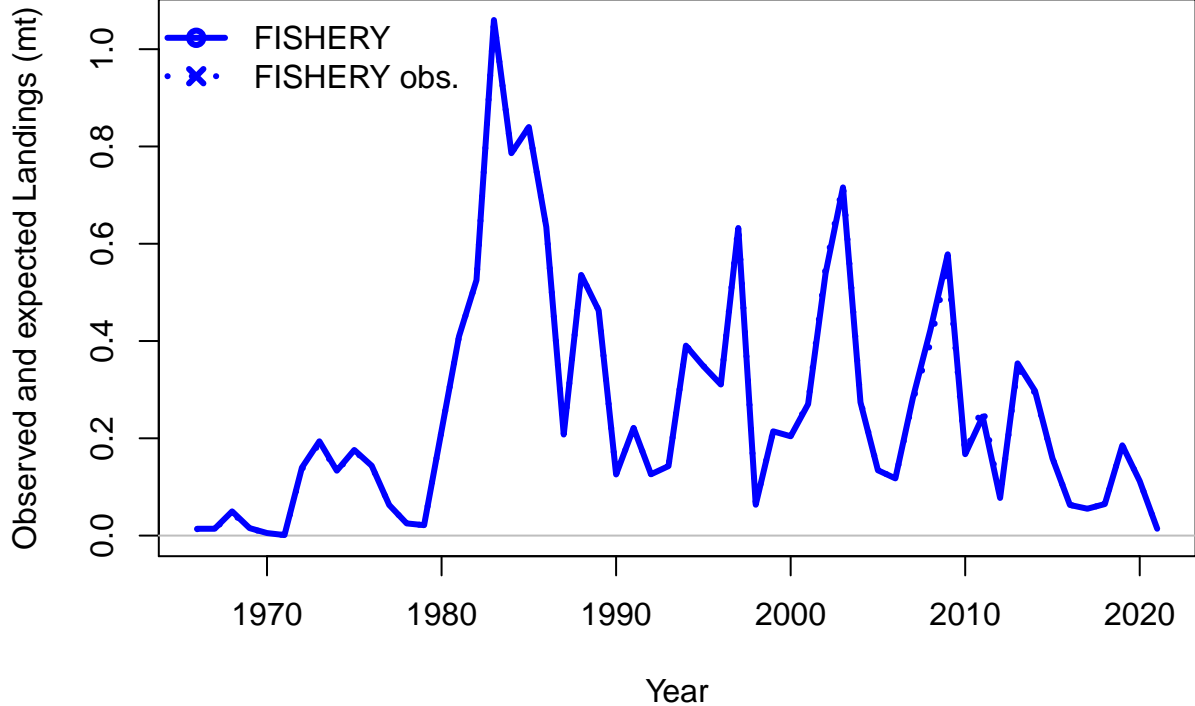


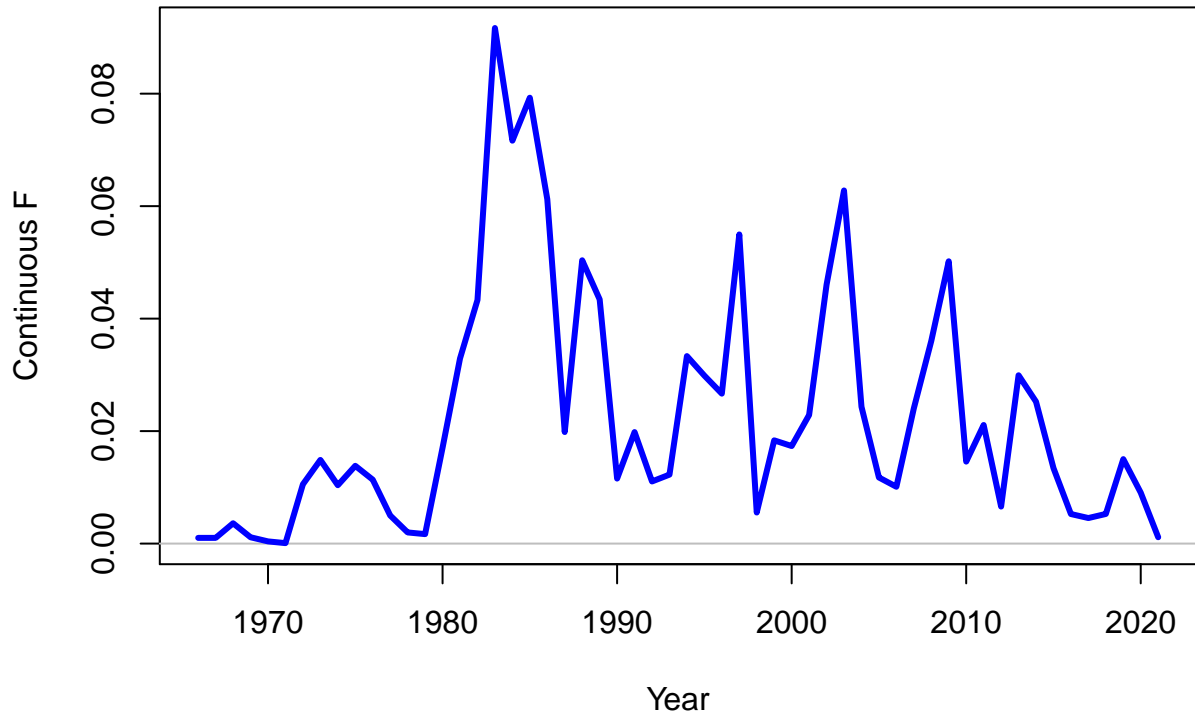




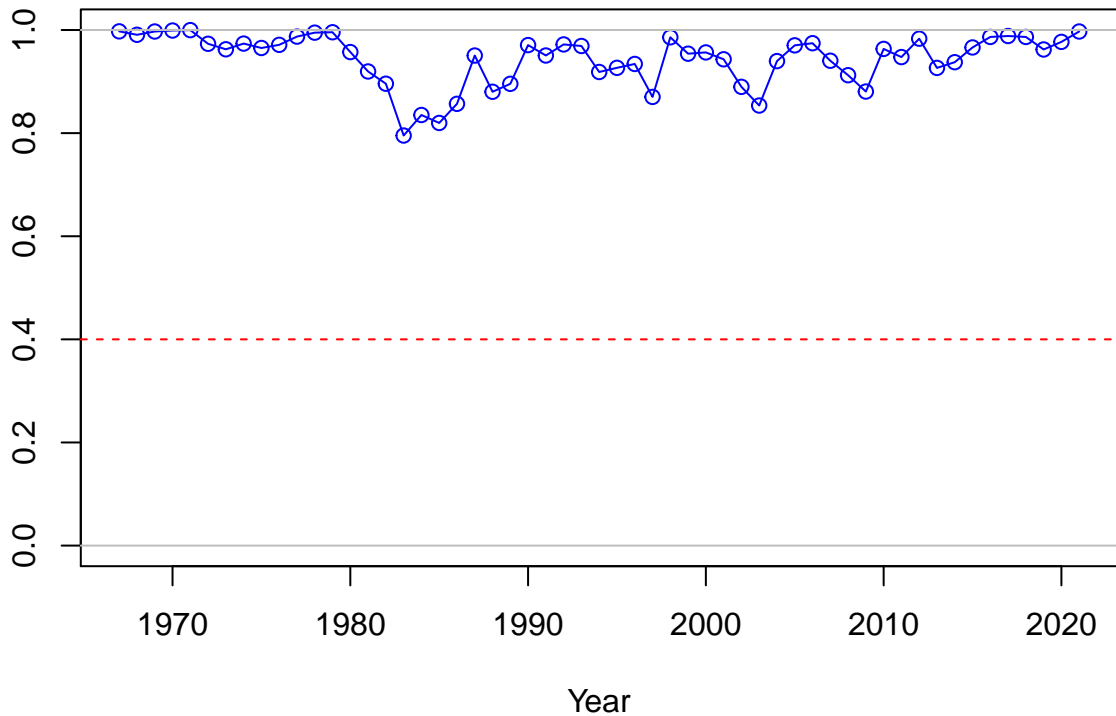




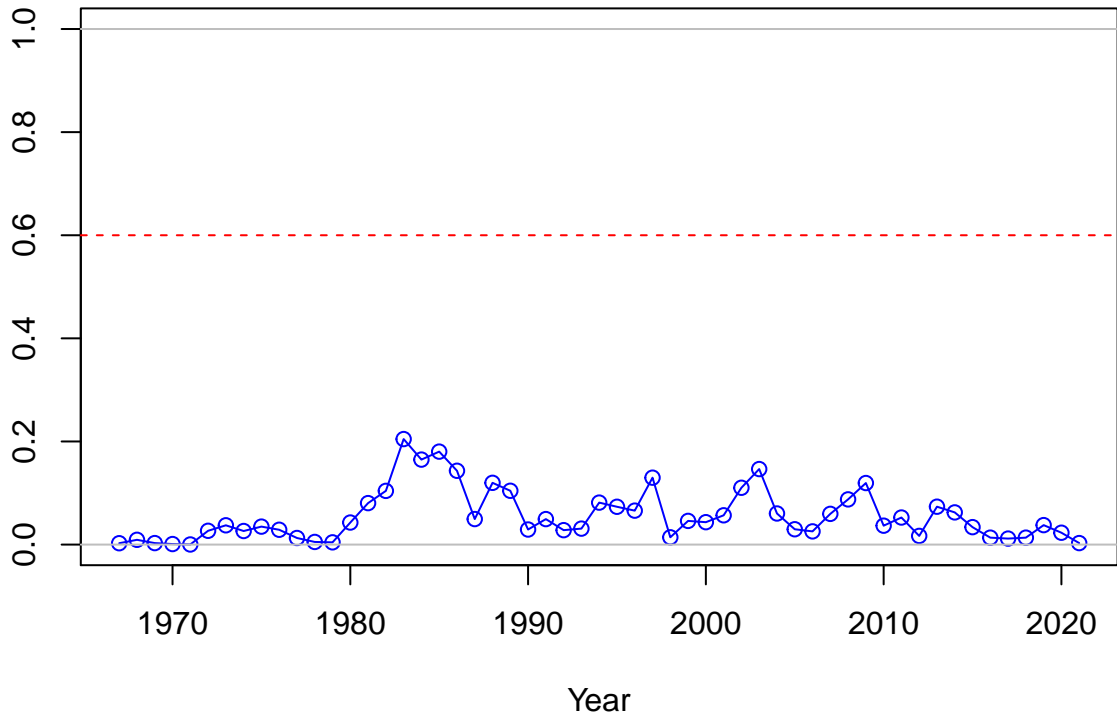




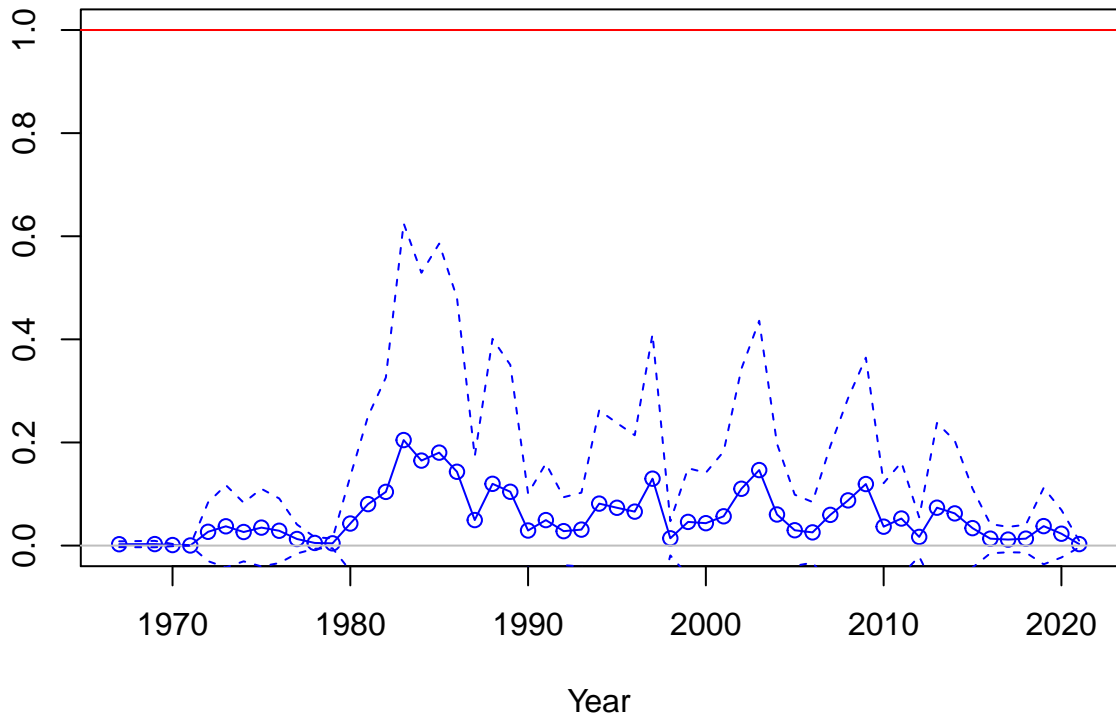
SPR



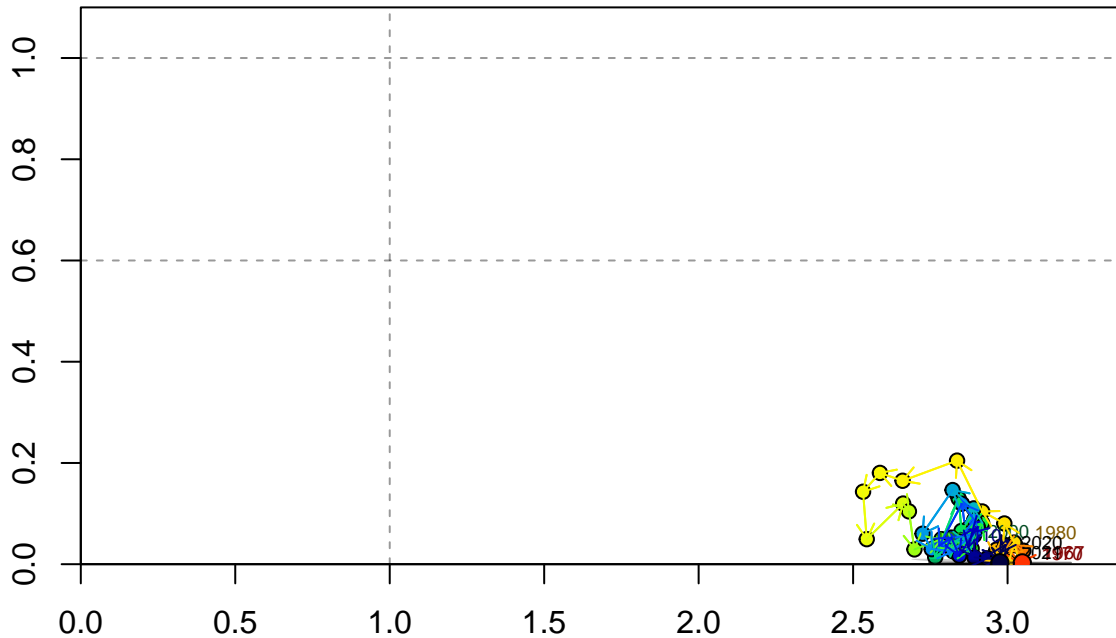
1-SPR



Fishing intensity: 1-SPR

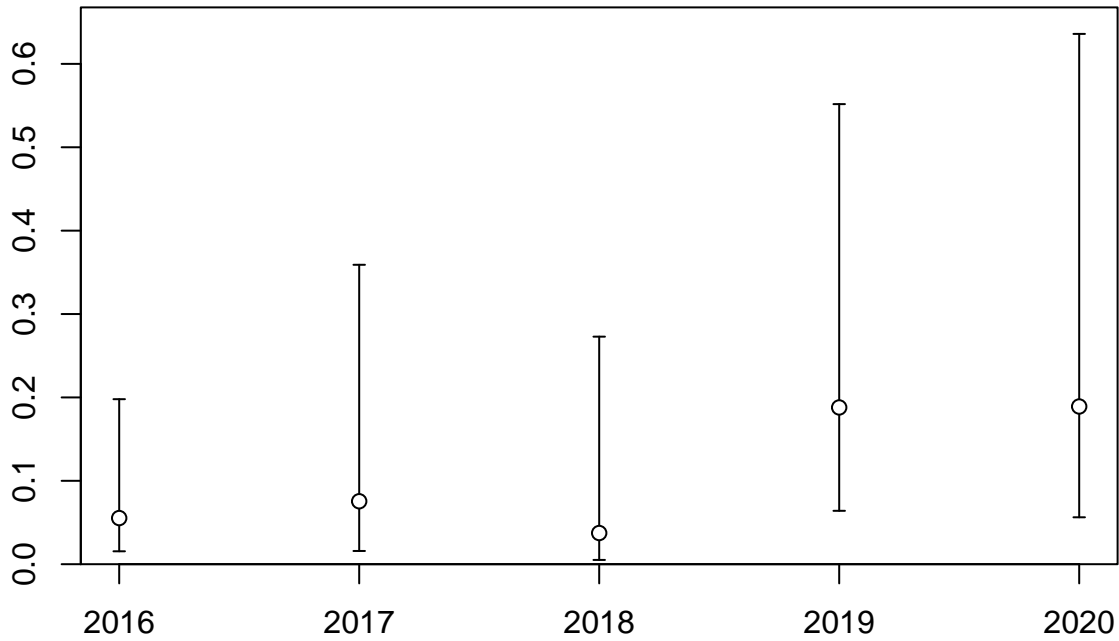


Fishing intensity: 1-SPR



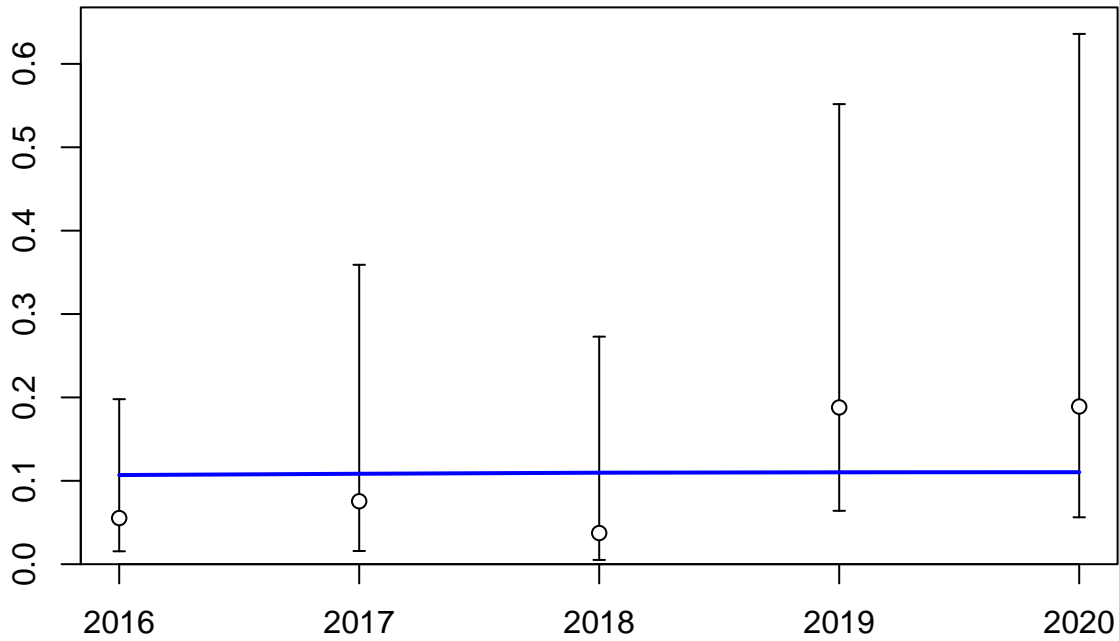
Relative spawning output: B/B_{MSY}

Index

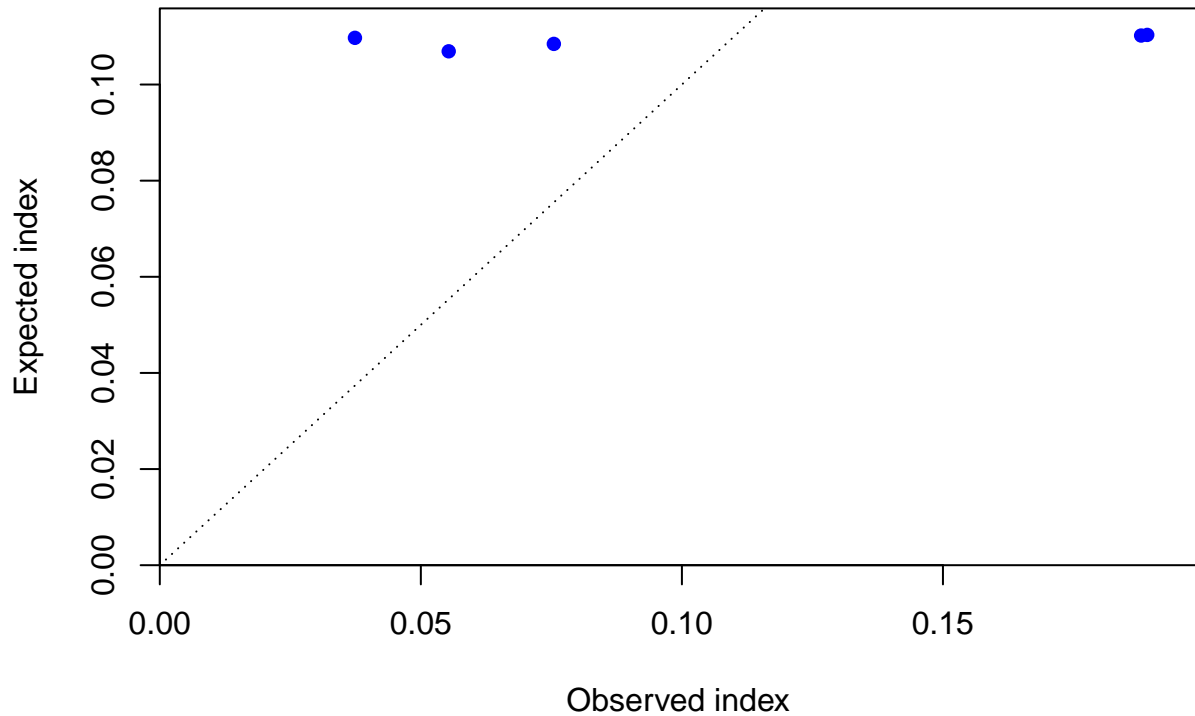


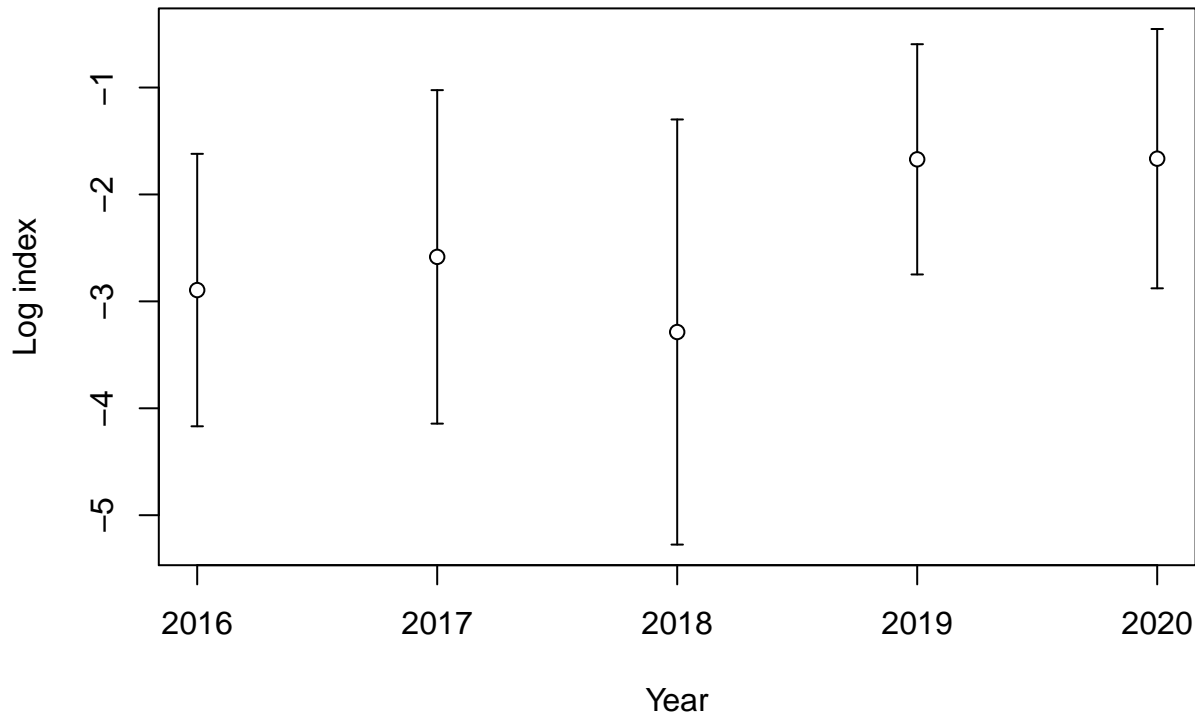
Year

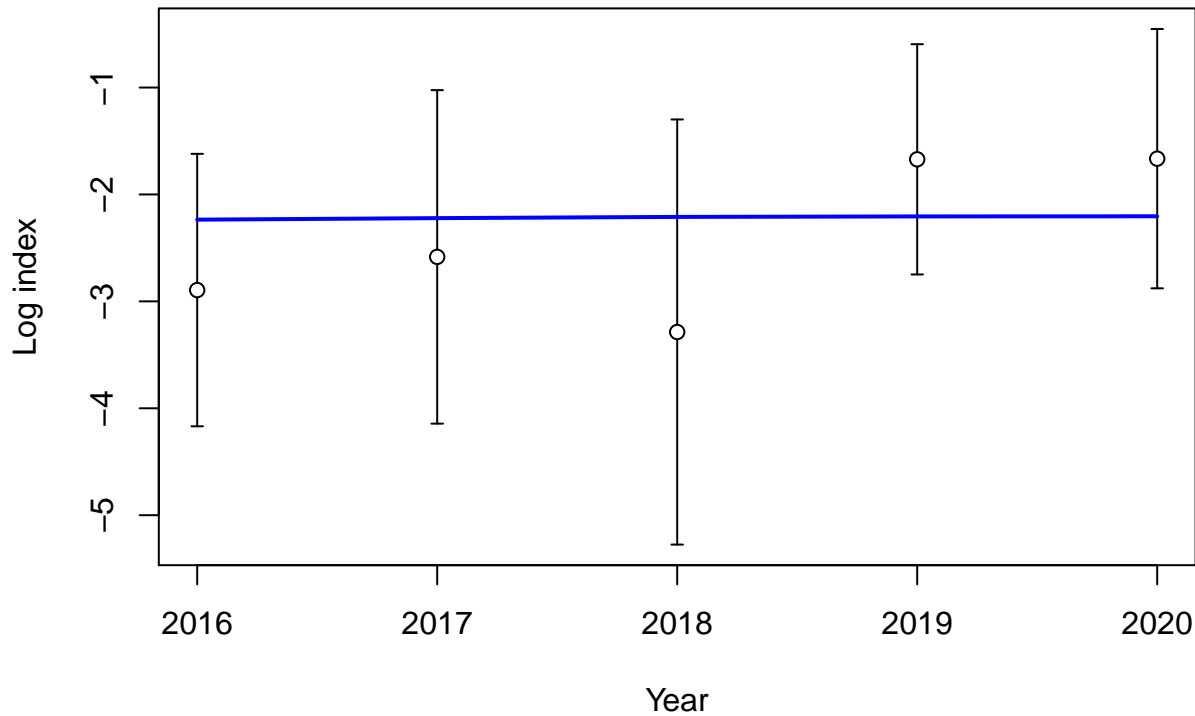
Index

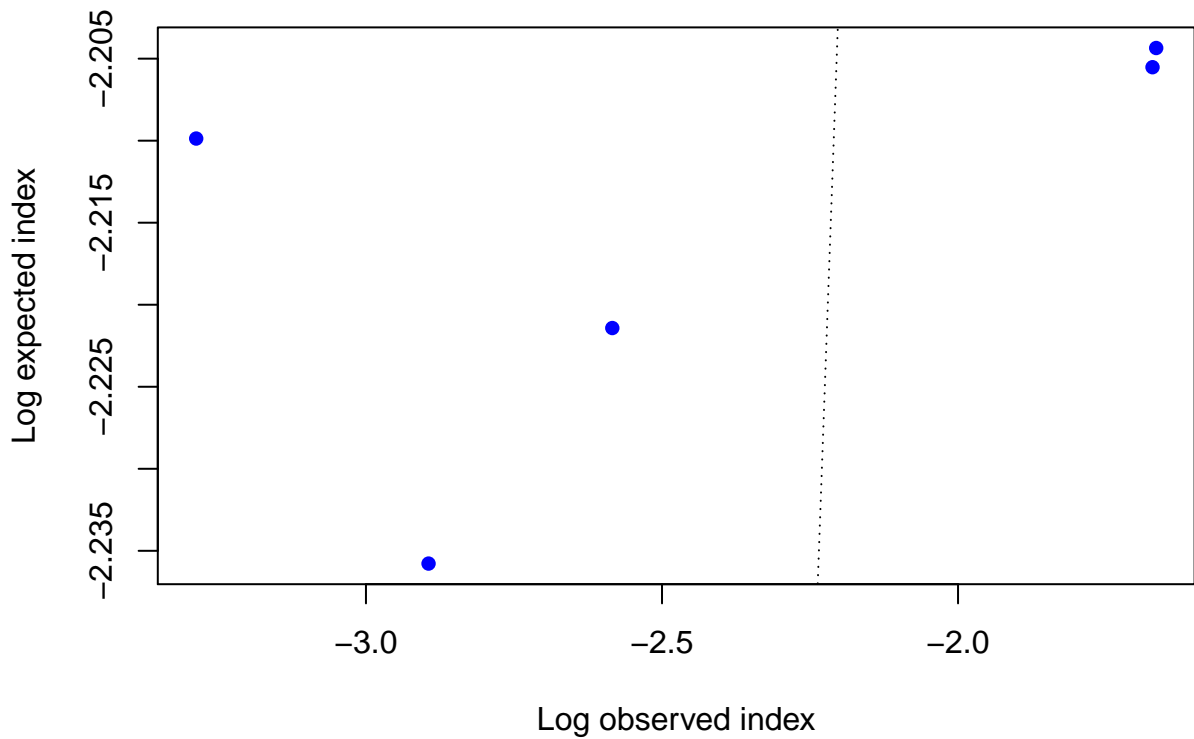


Year

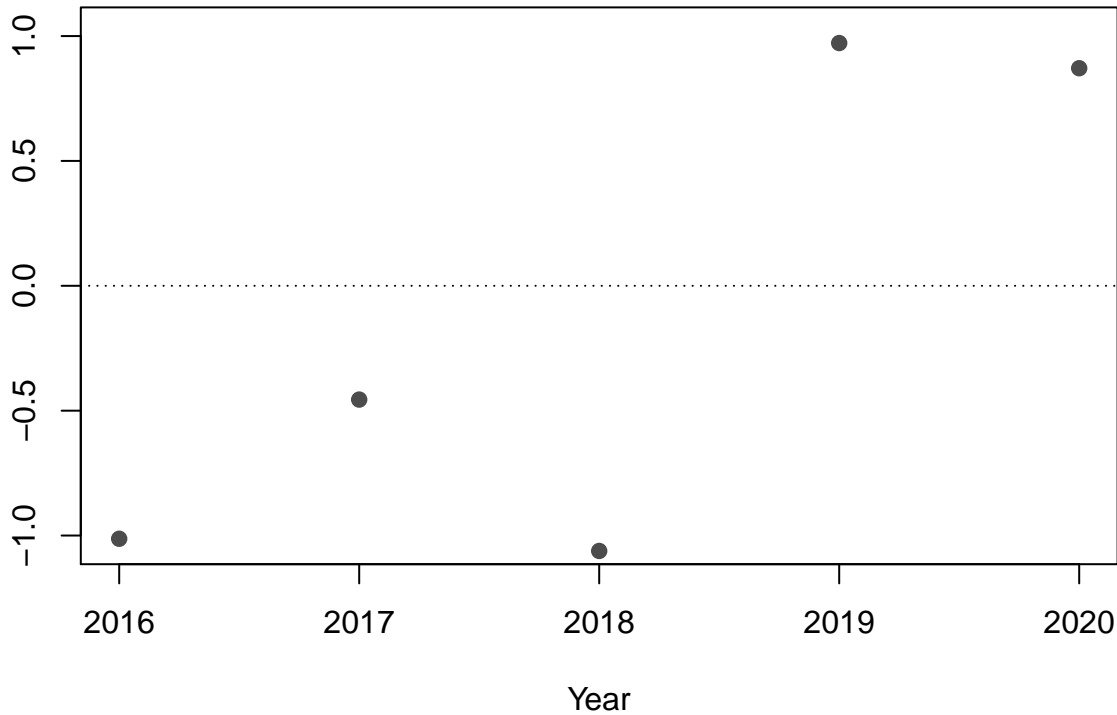




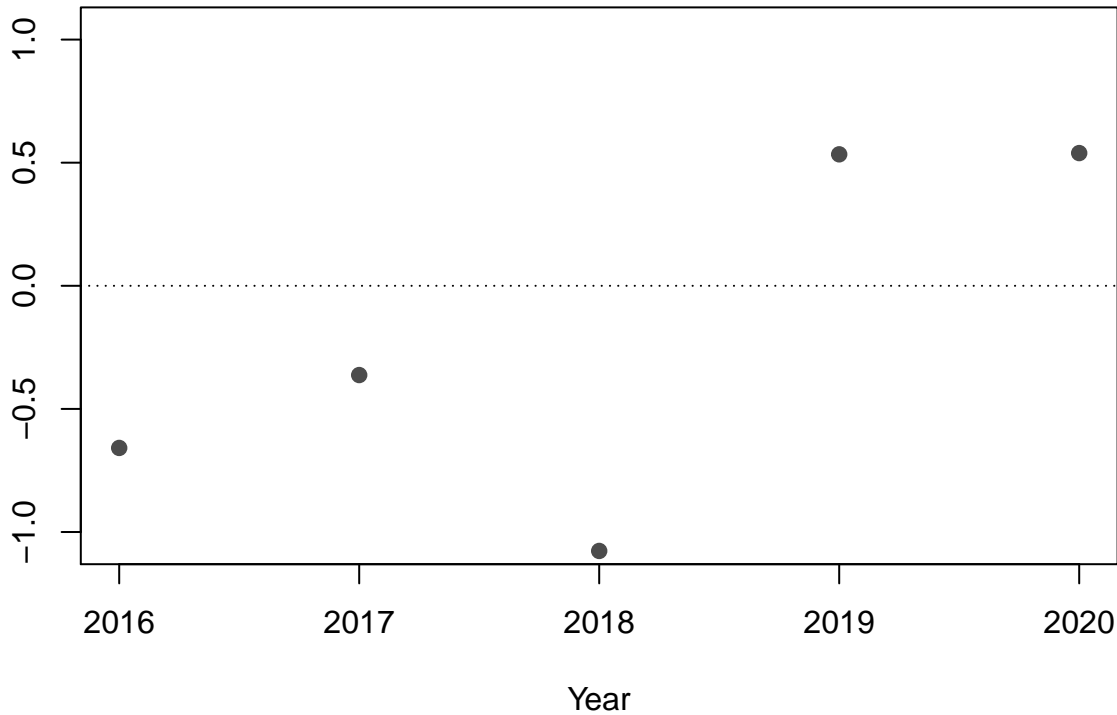


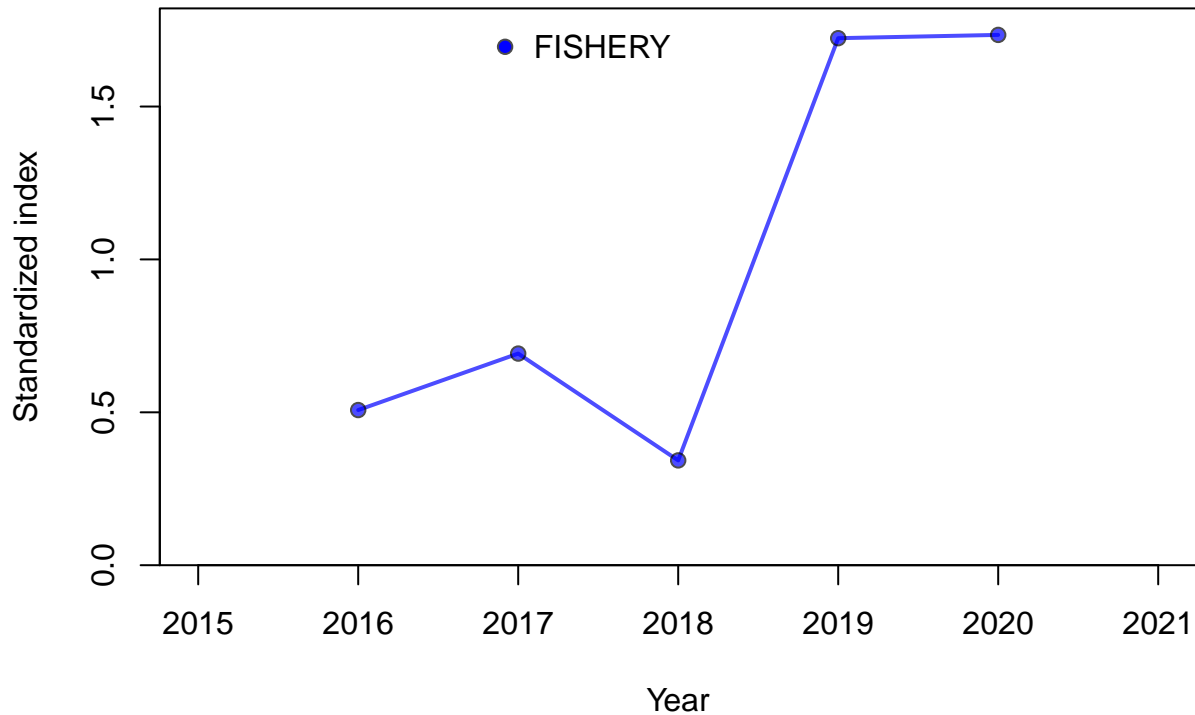


Residual

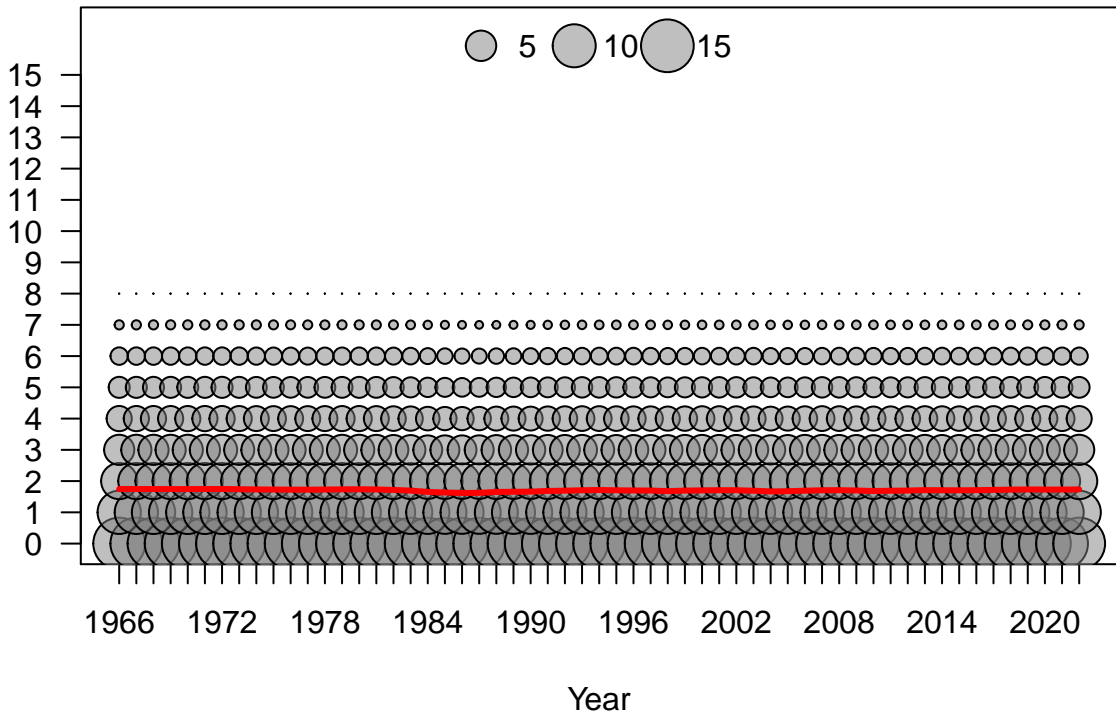


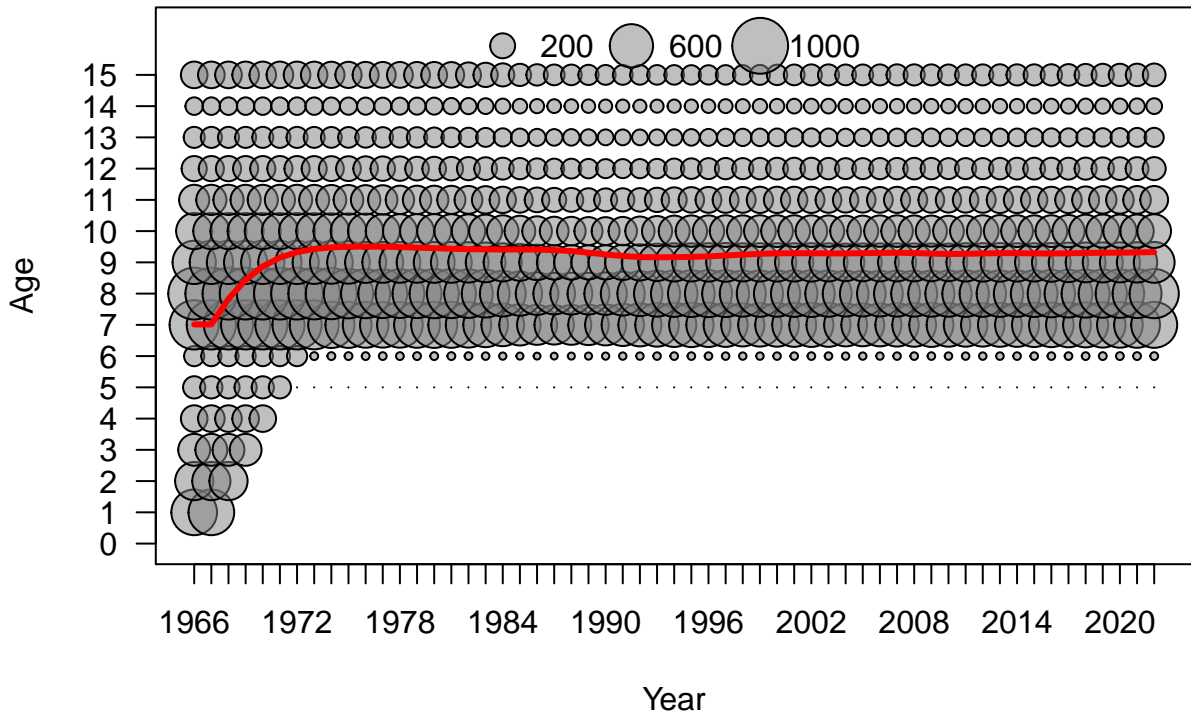
Deviation

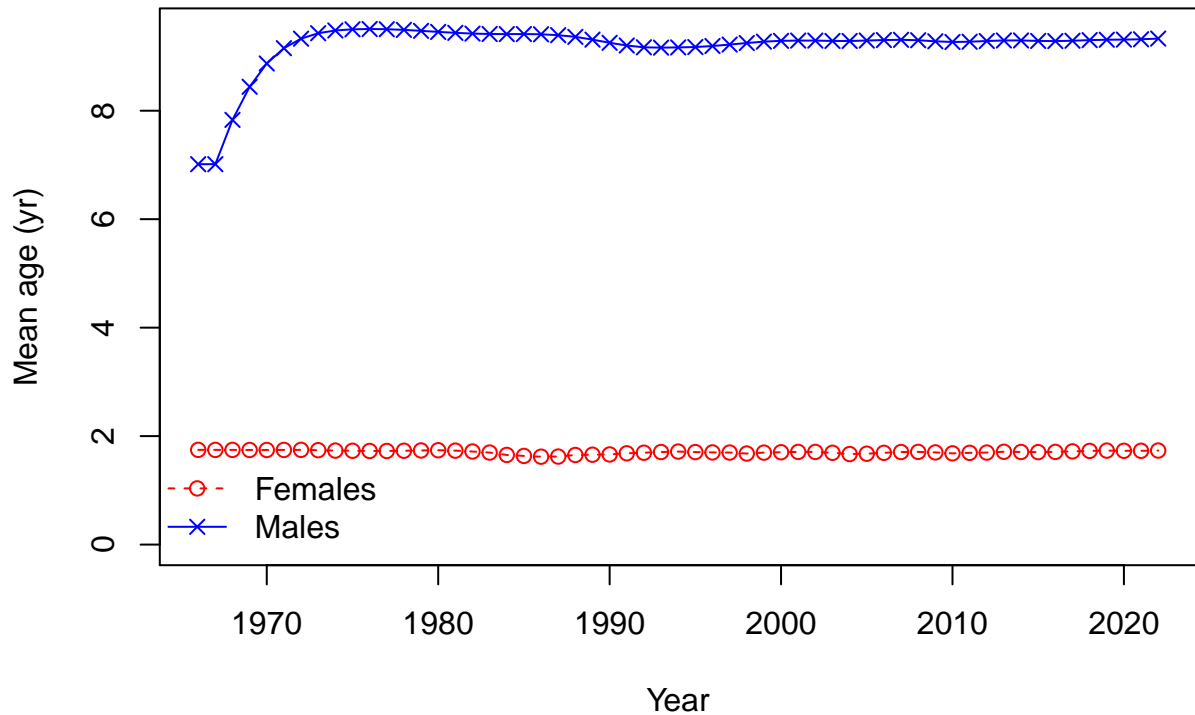




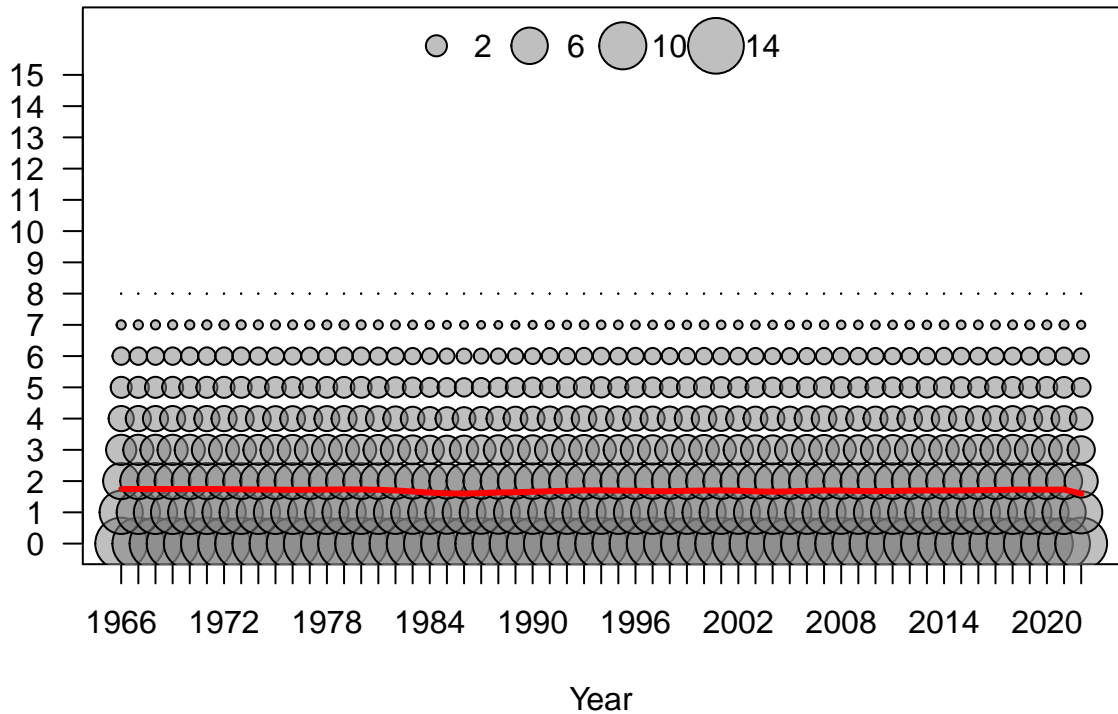
Age

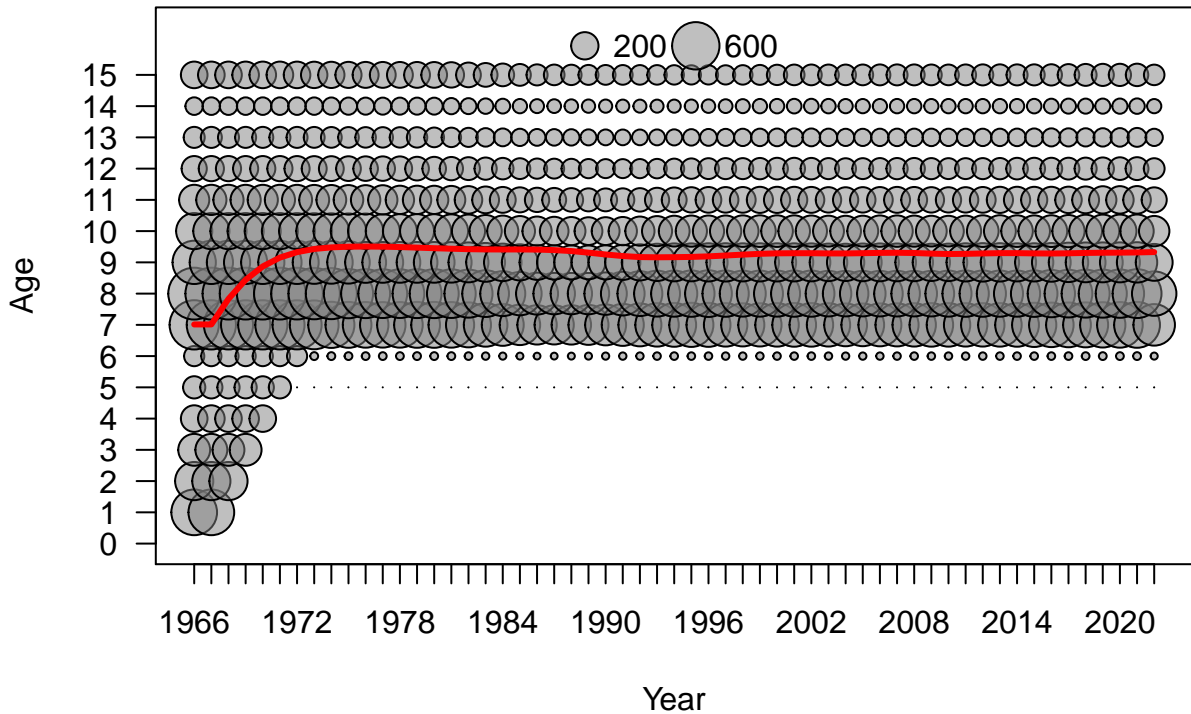


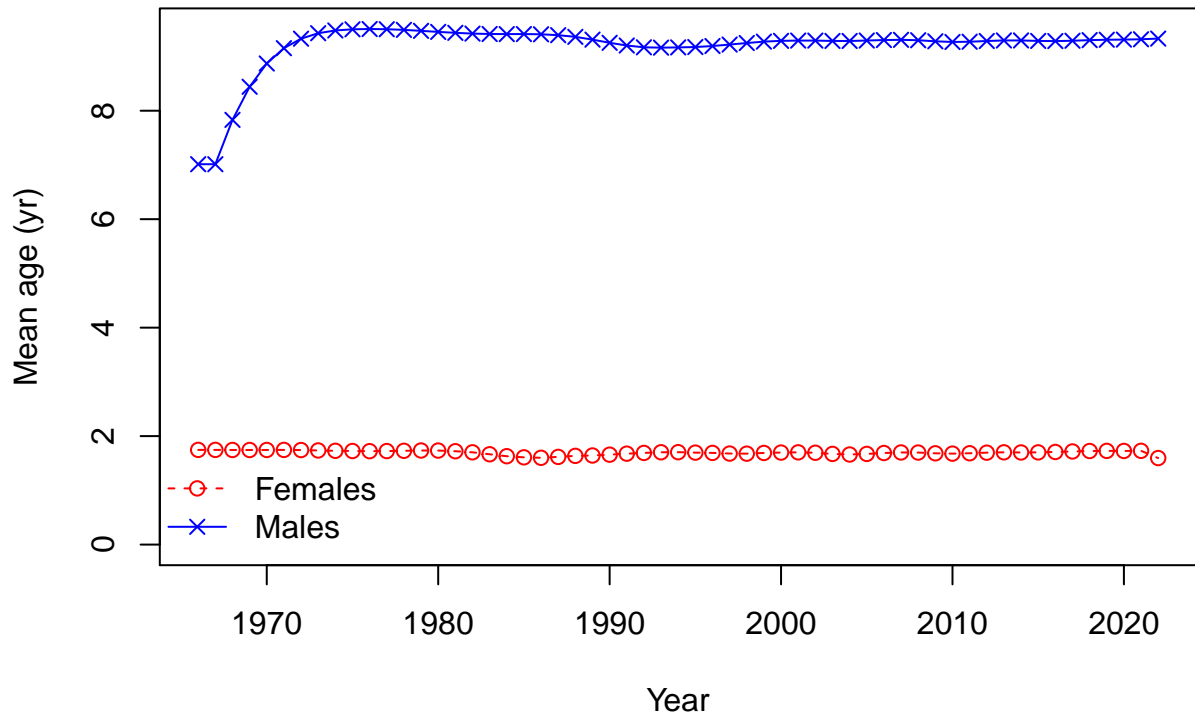




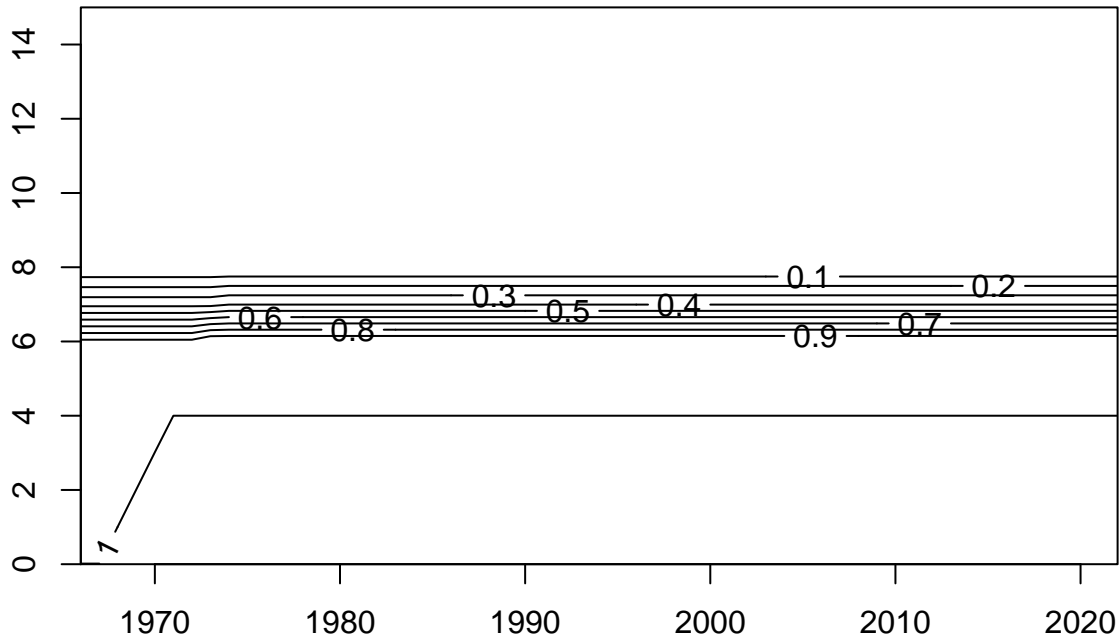
Age



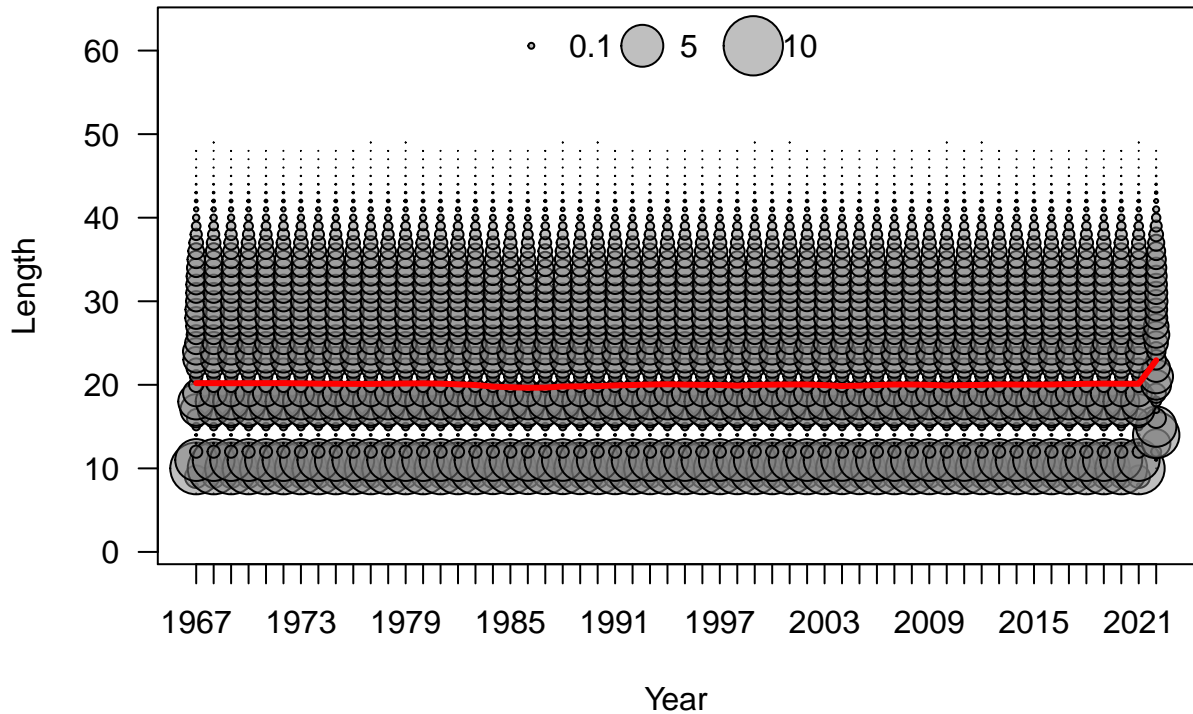


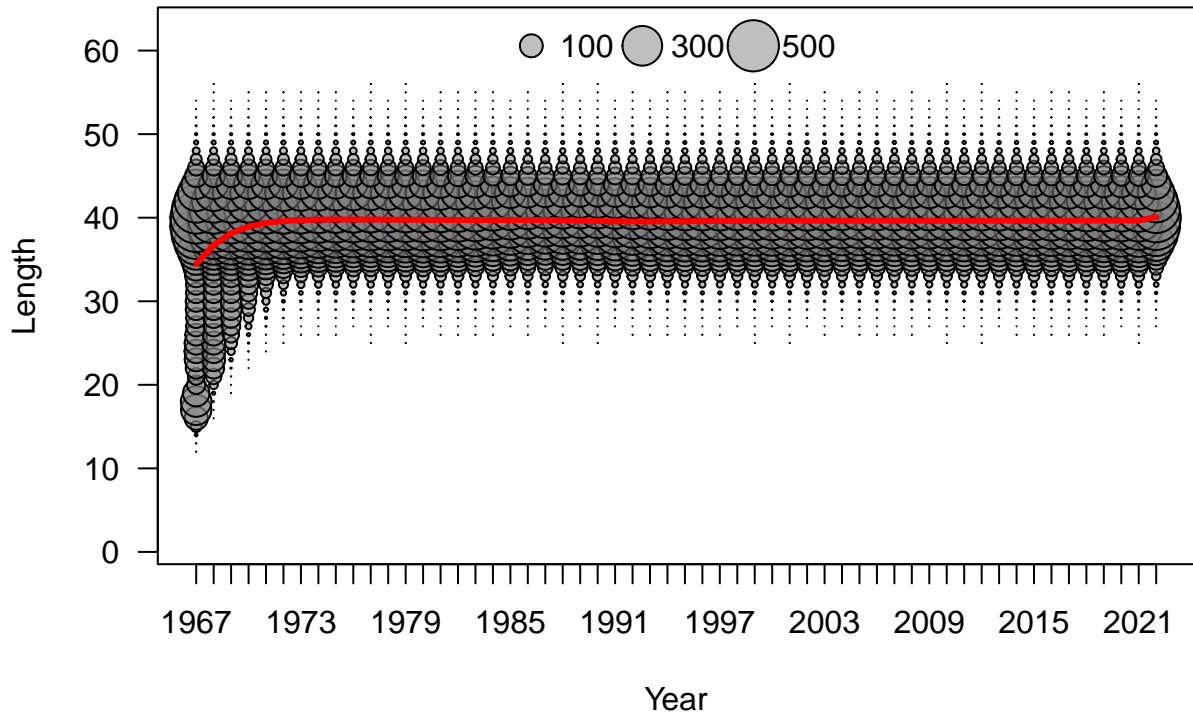


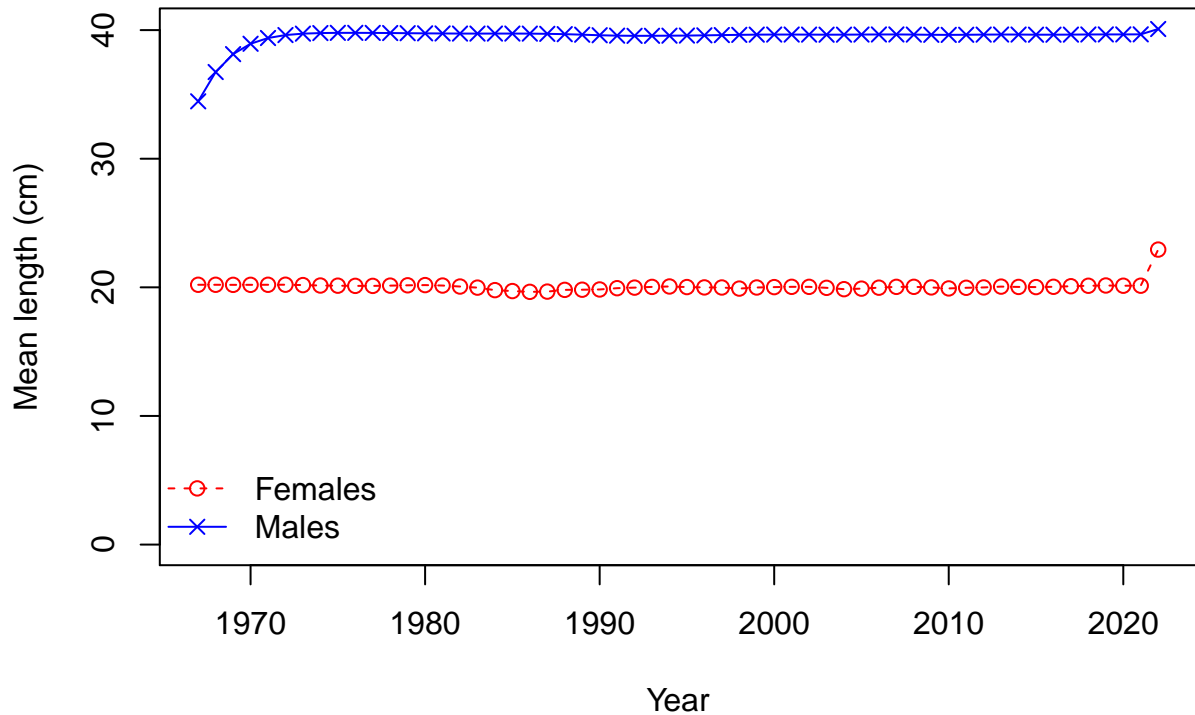
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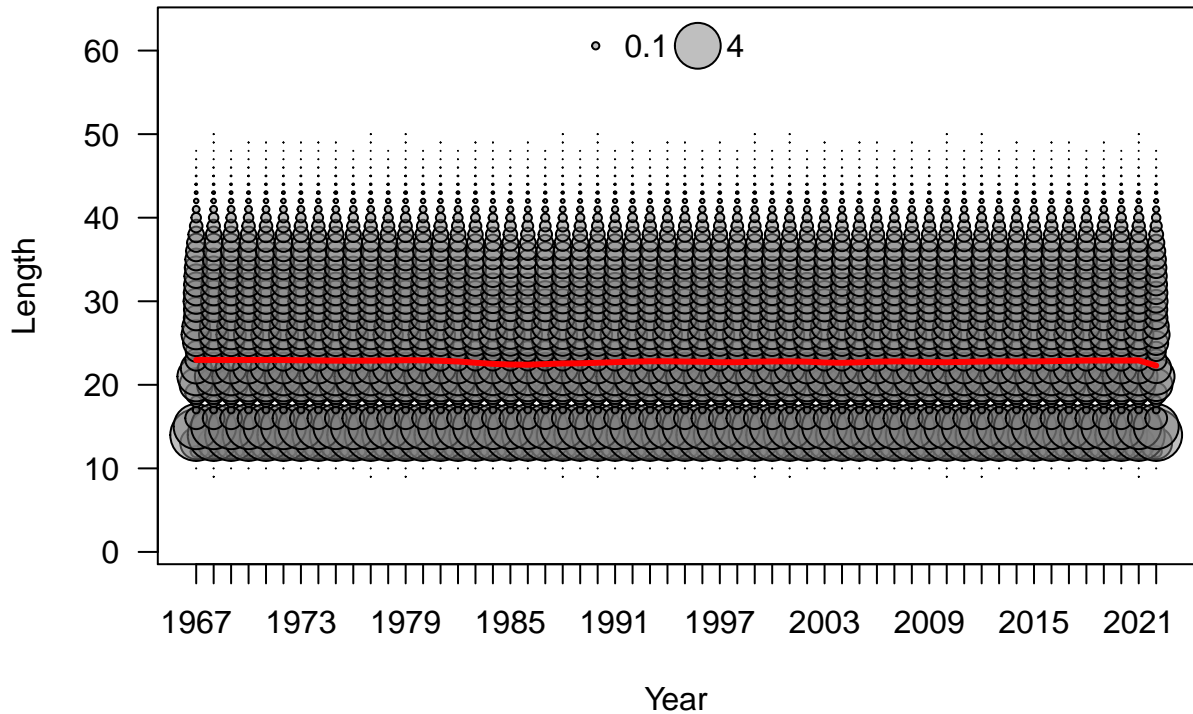


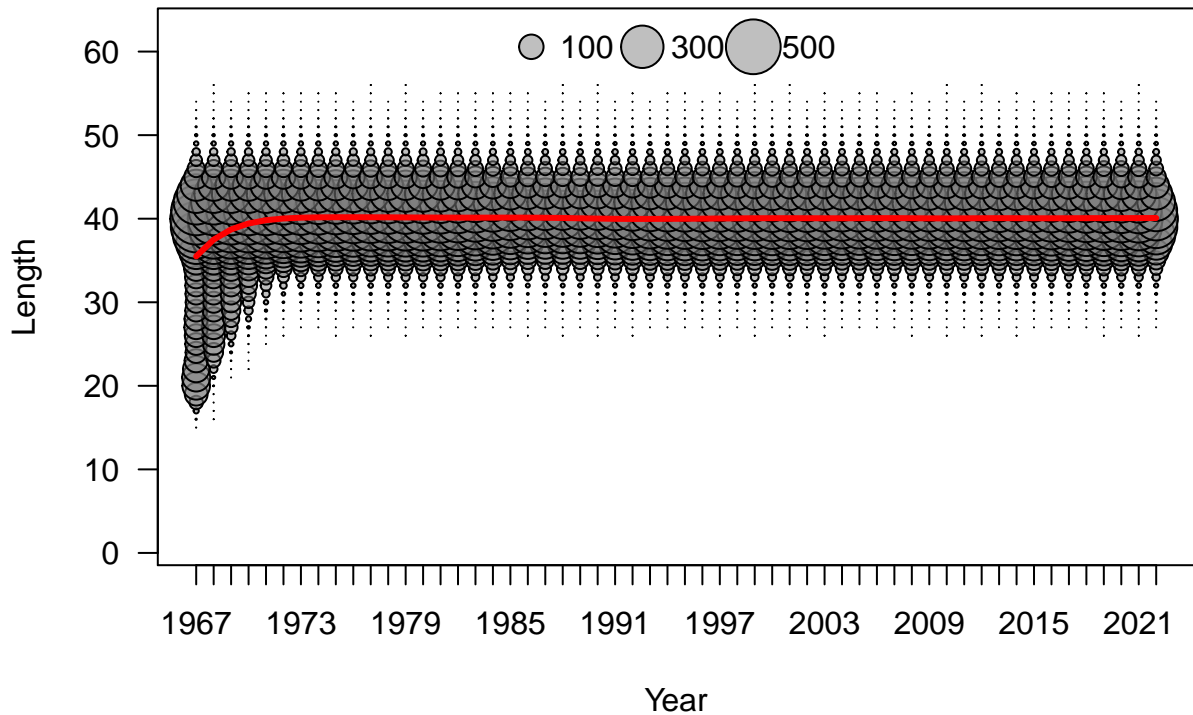
Year

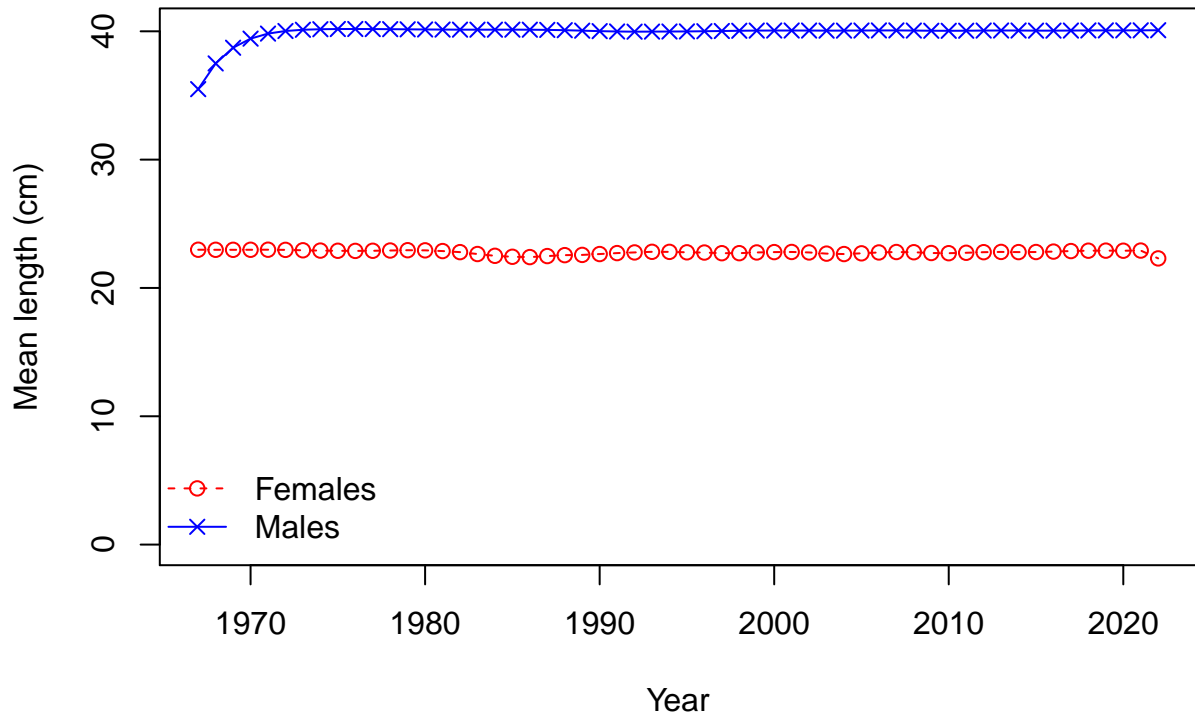












Length

50
40
30
20
10

1970

1980

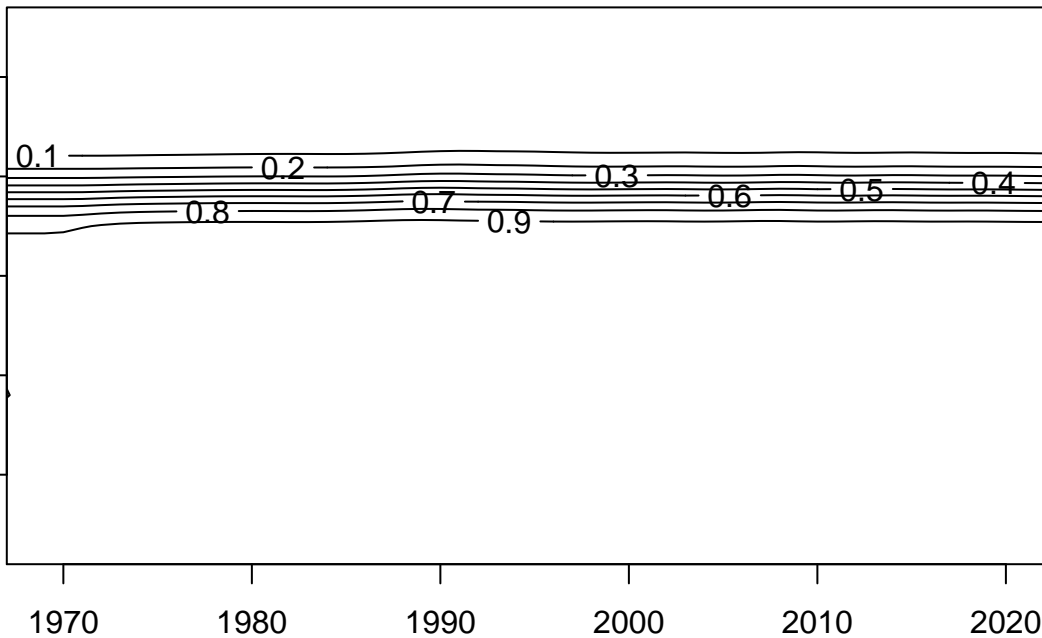
1990

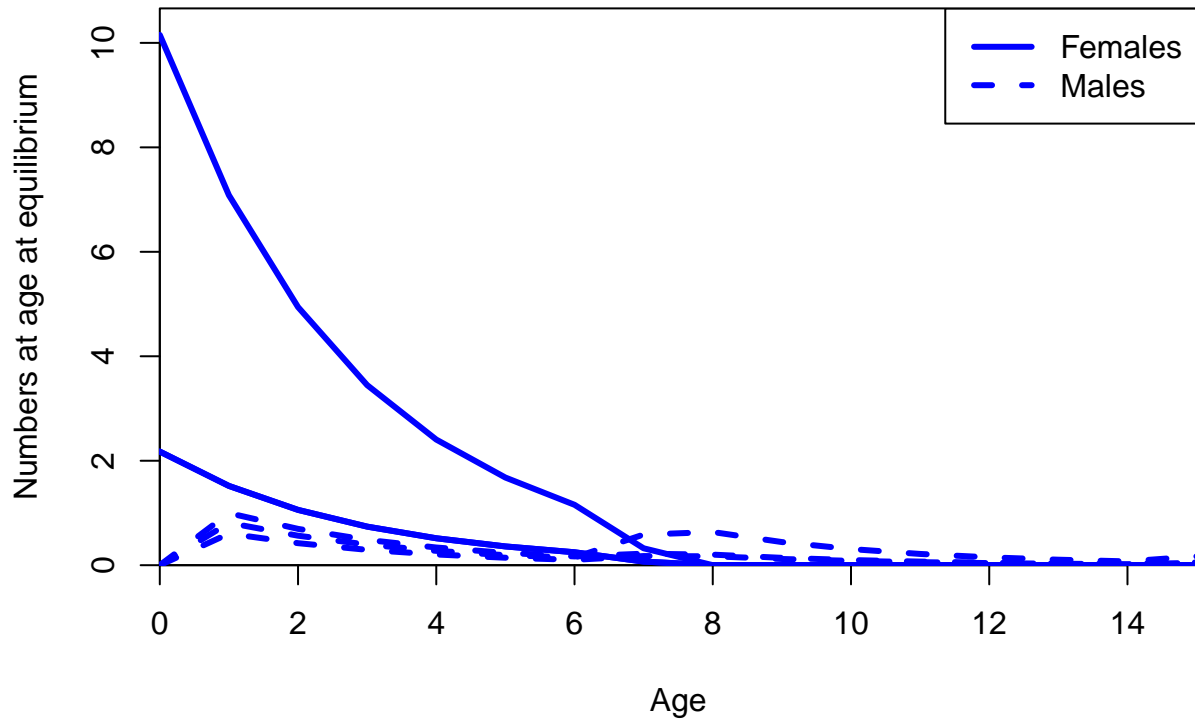
2000

2010

2020

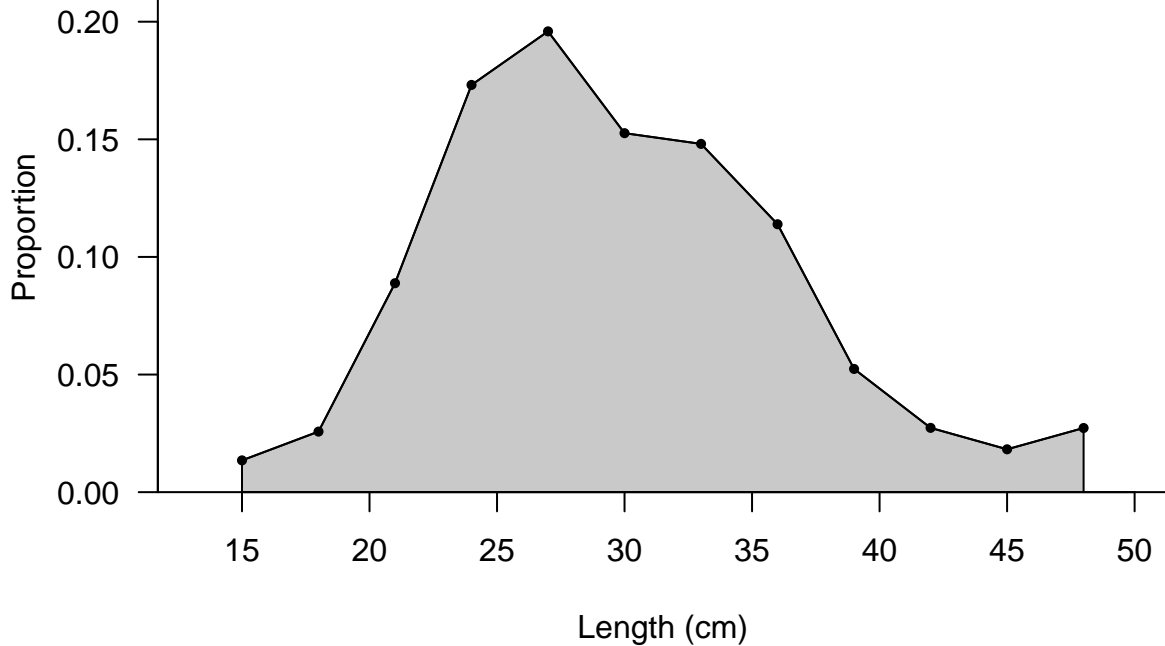
Year

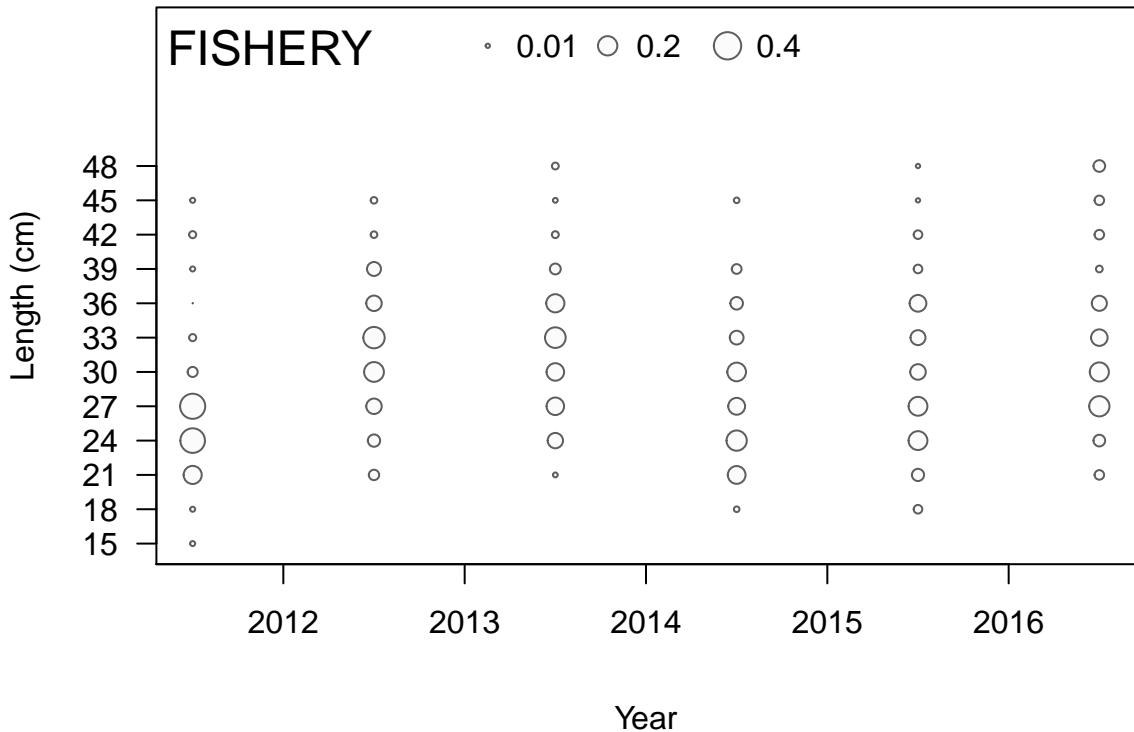




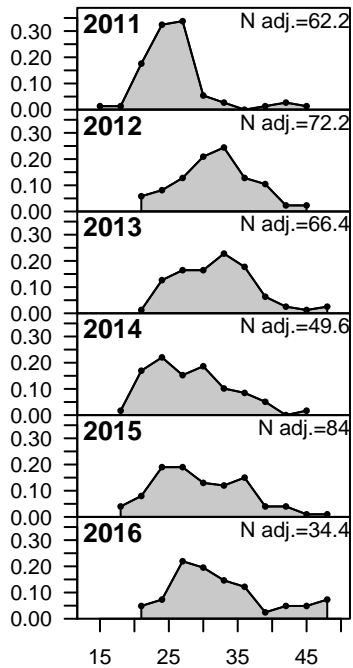
FISHERY

Sum of N adj.=368.8

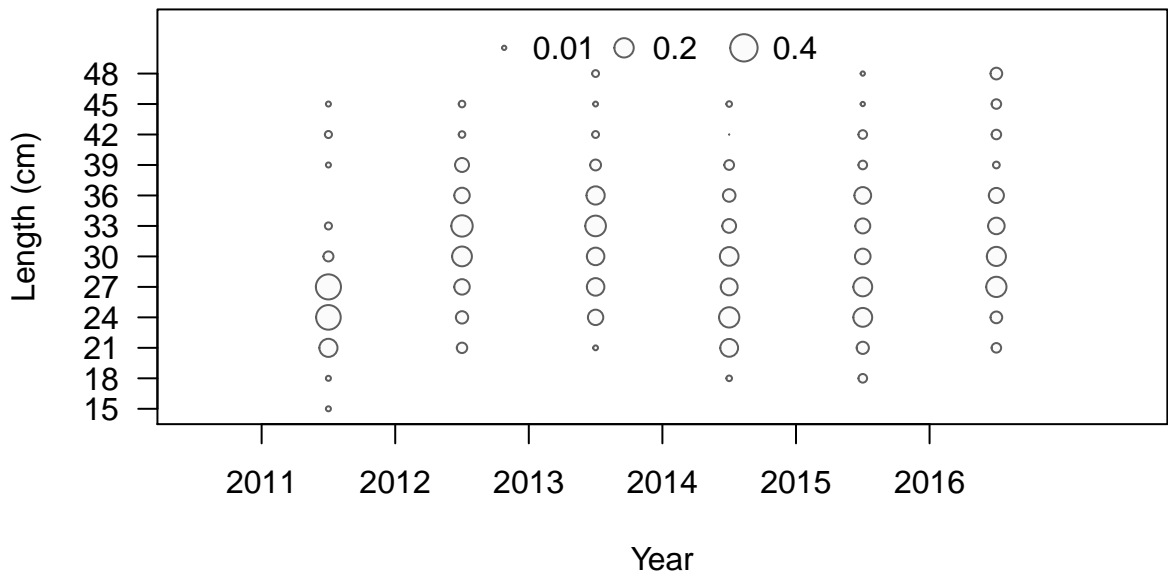




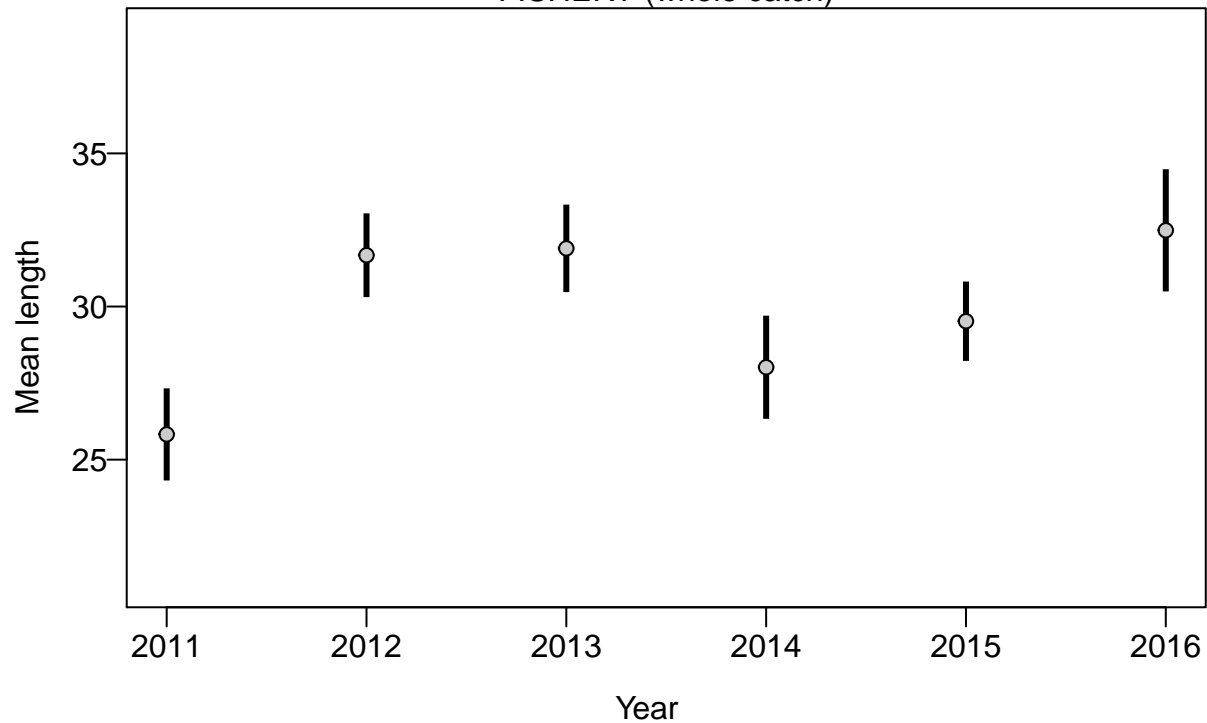
Proportion

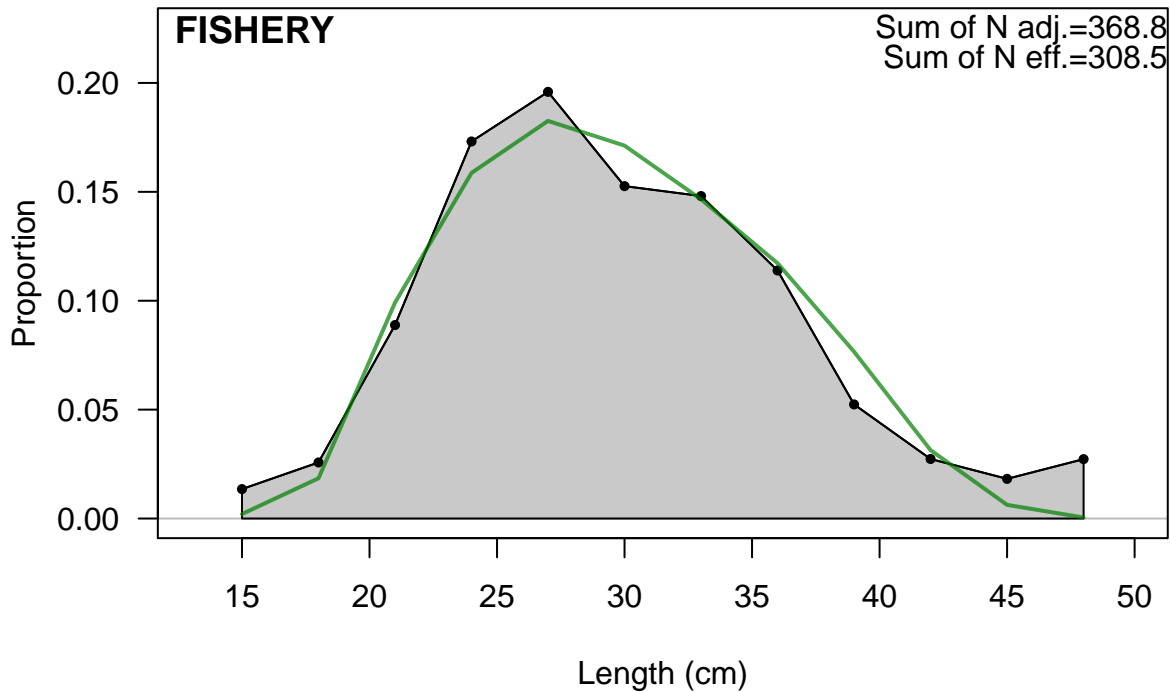


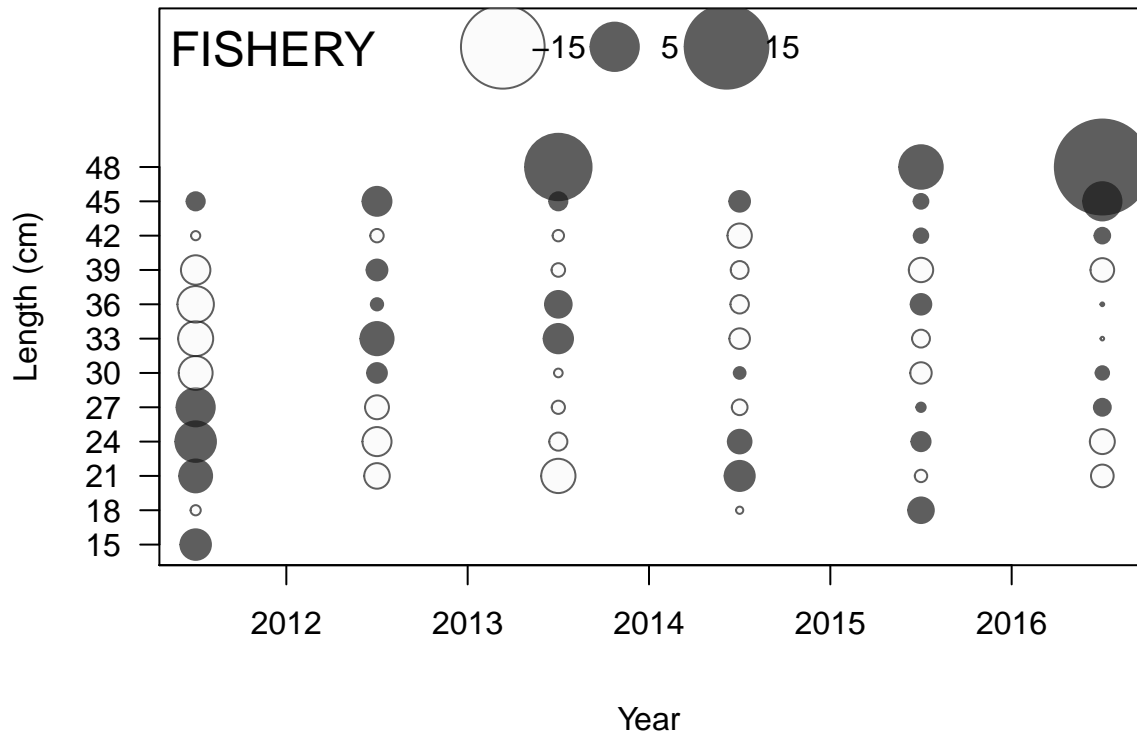
Length (cm)



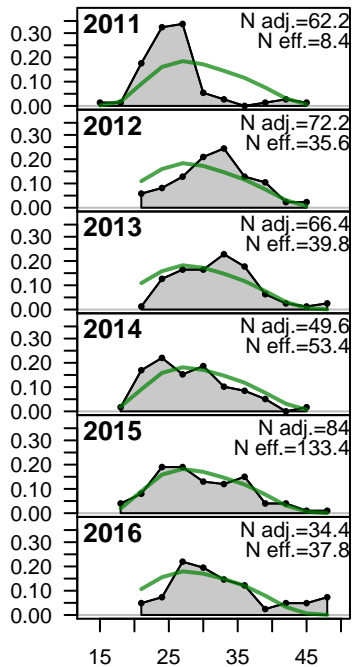
FISHERY (whole catch)





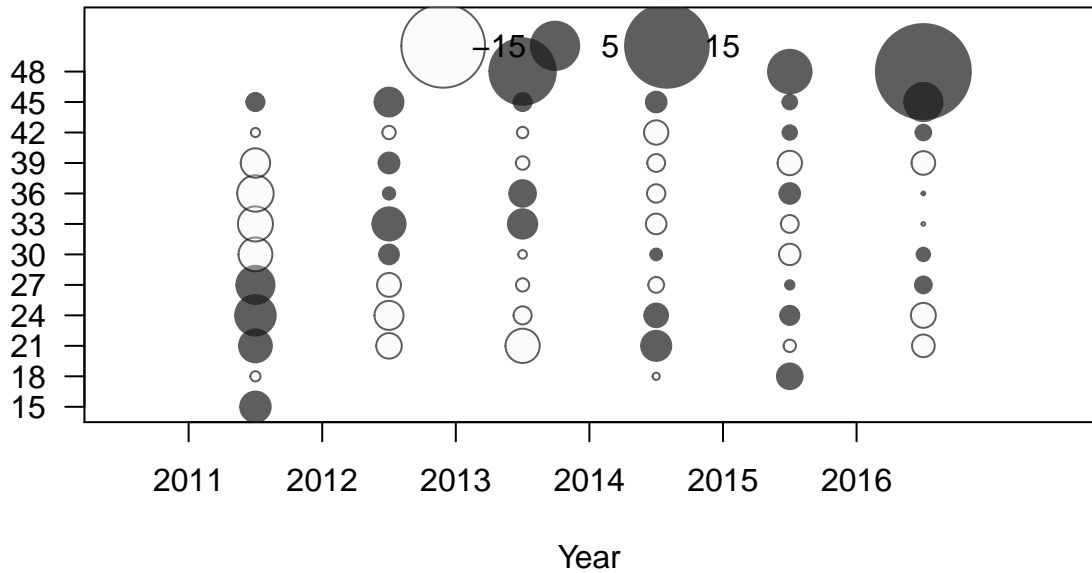


Proportion

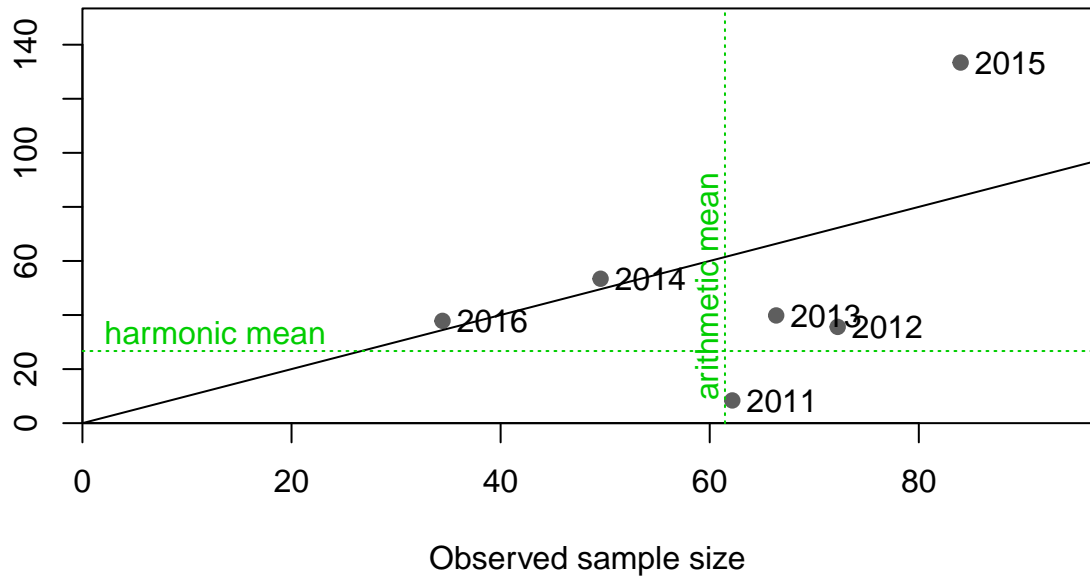


Length (cm)

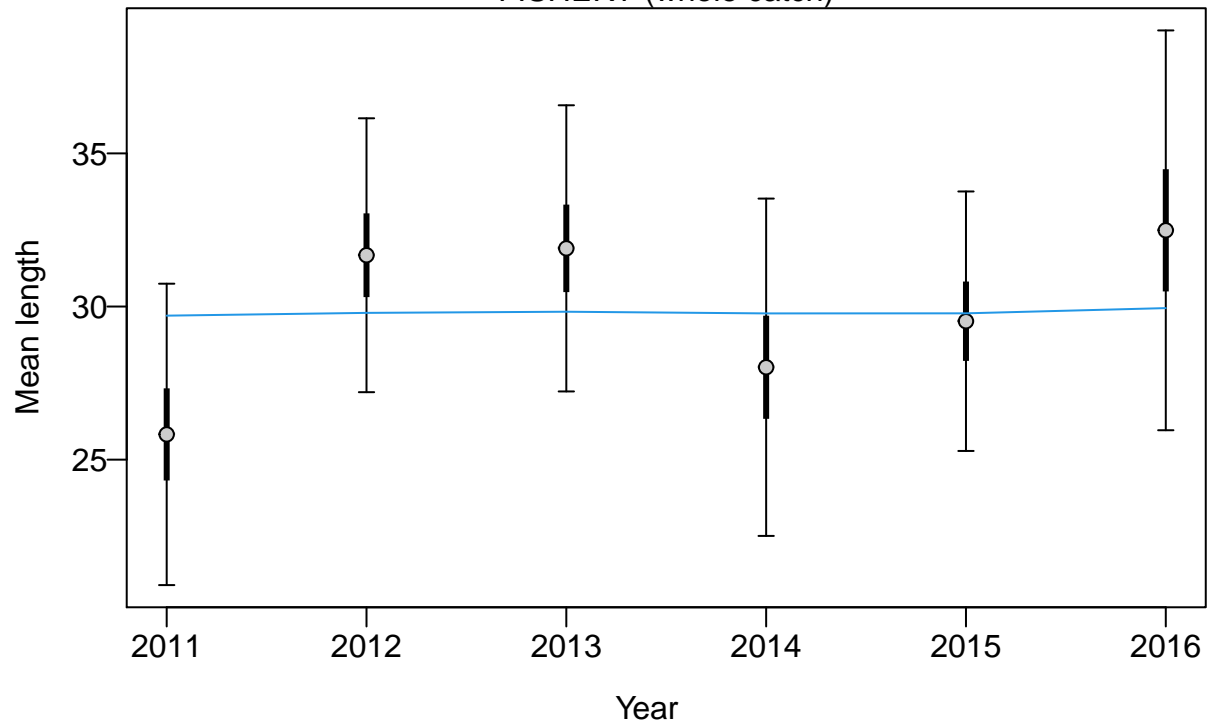
Length (cm)

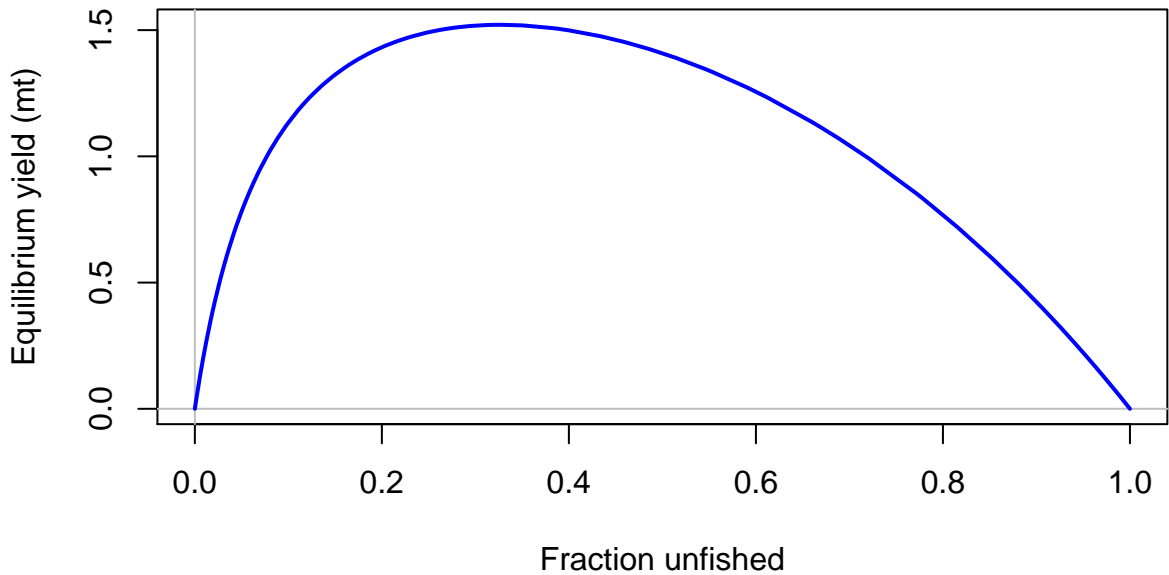


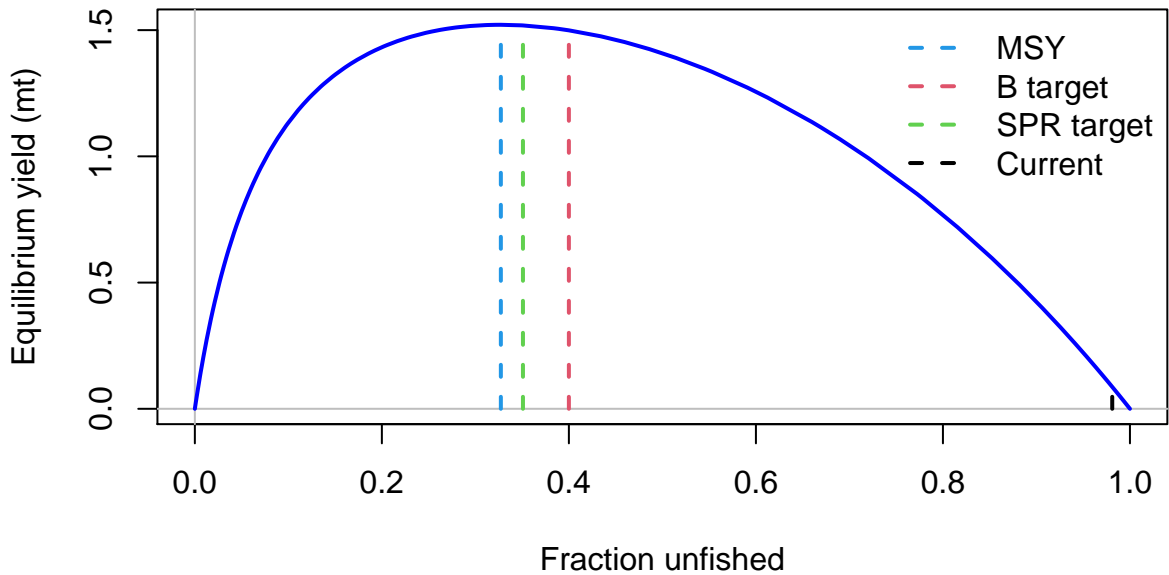
Effective sample size

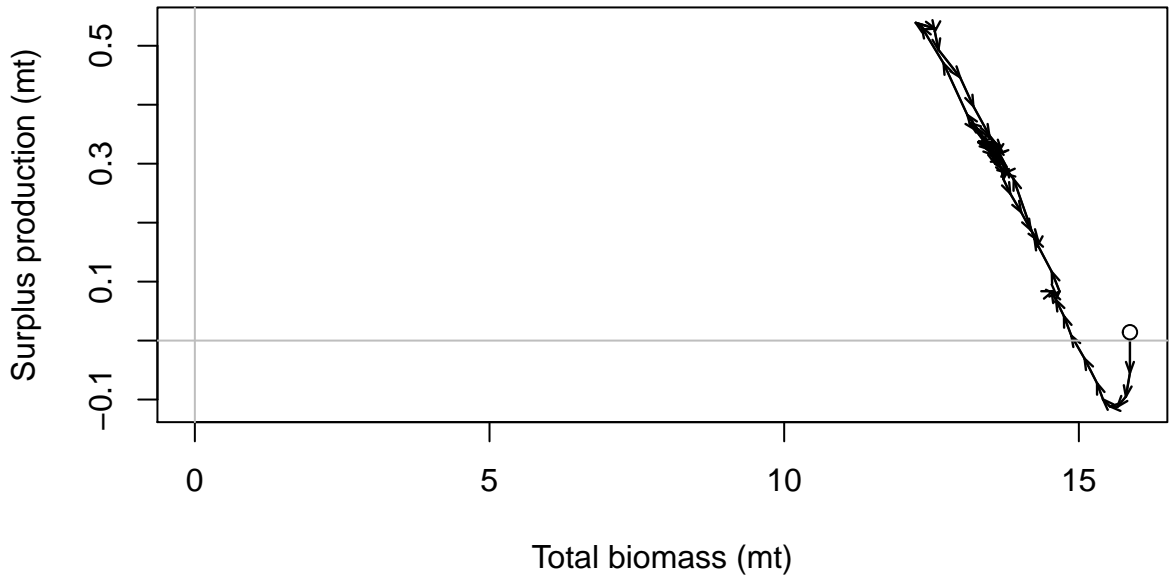


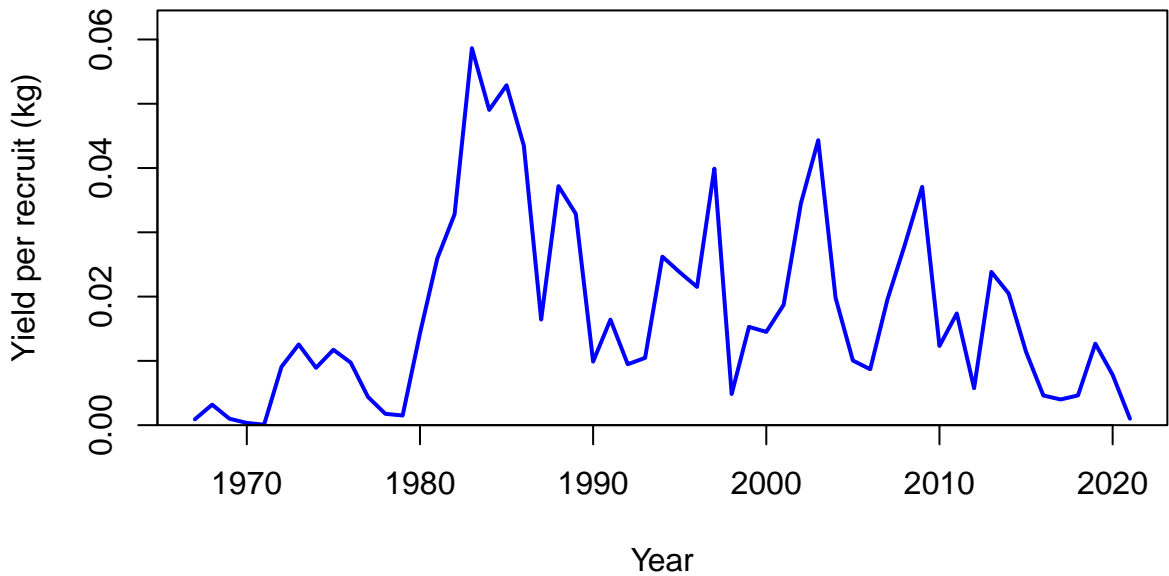
FISHERY (whole catch)

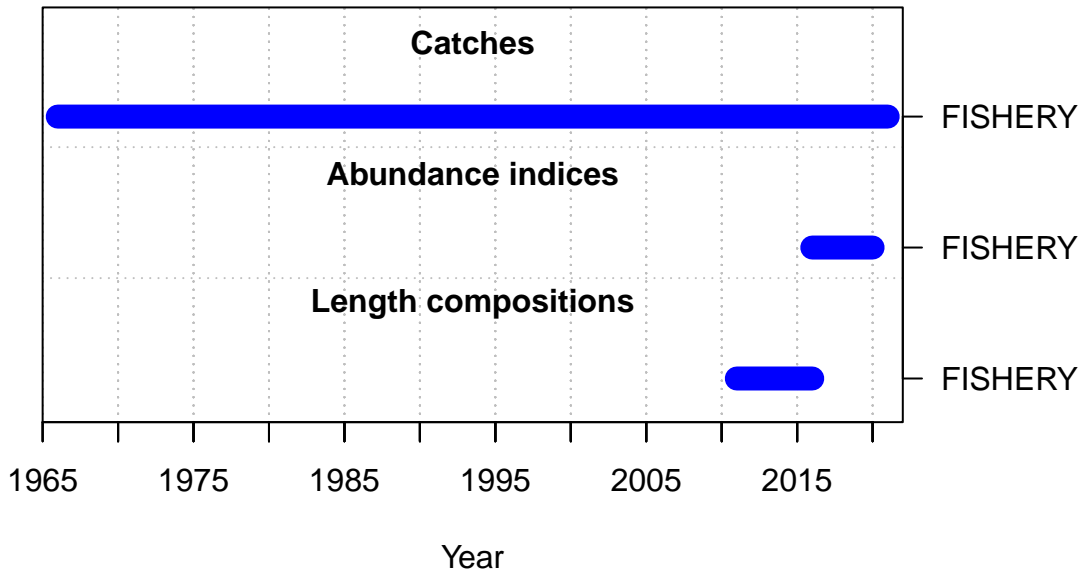


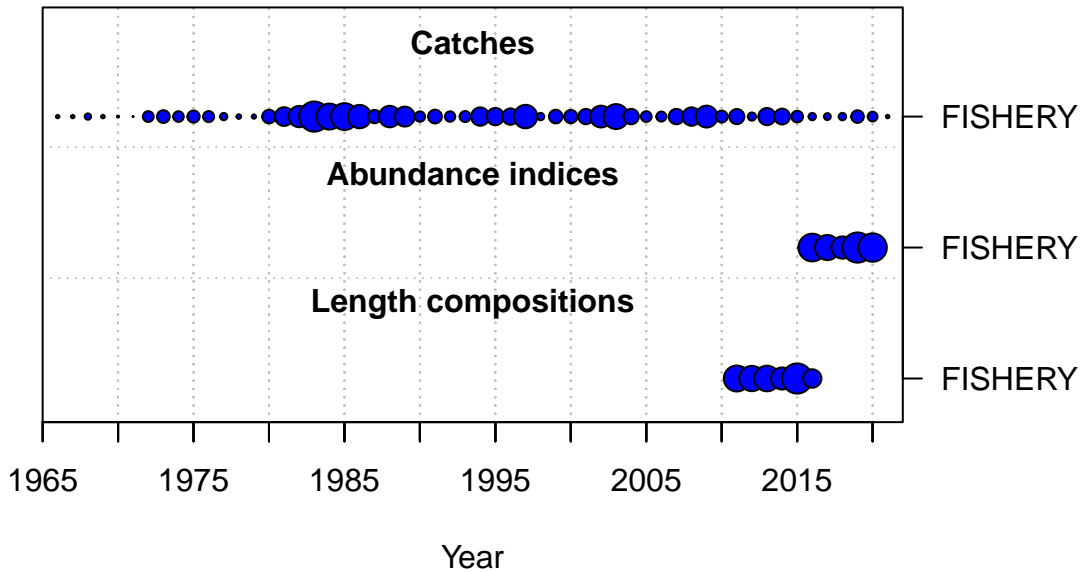




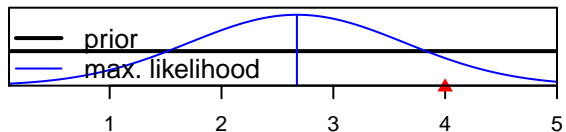




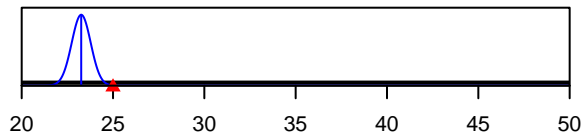




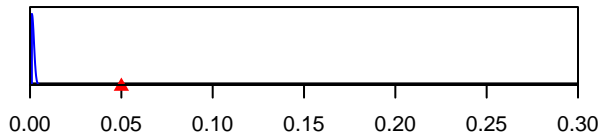
SR_LN(R0)



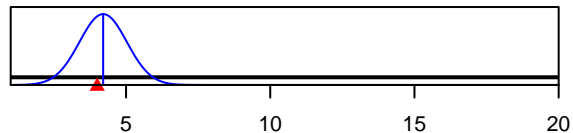
Size_inflection_FISHERY(1)



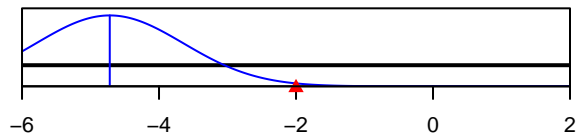
InitF_seas_1_flt_1FISHERY



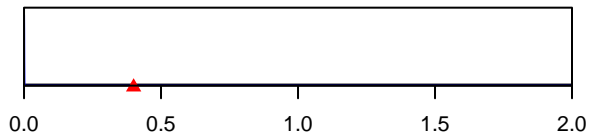
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



Q_extraSD_FISHERY(1)



Parameter value