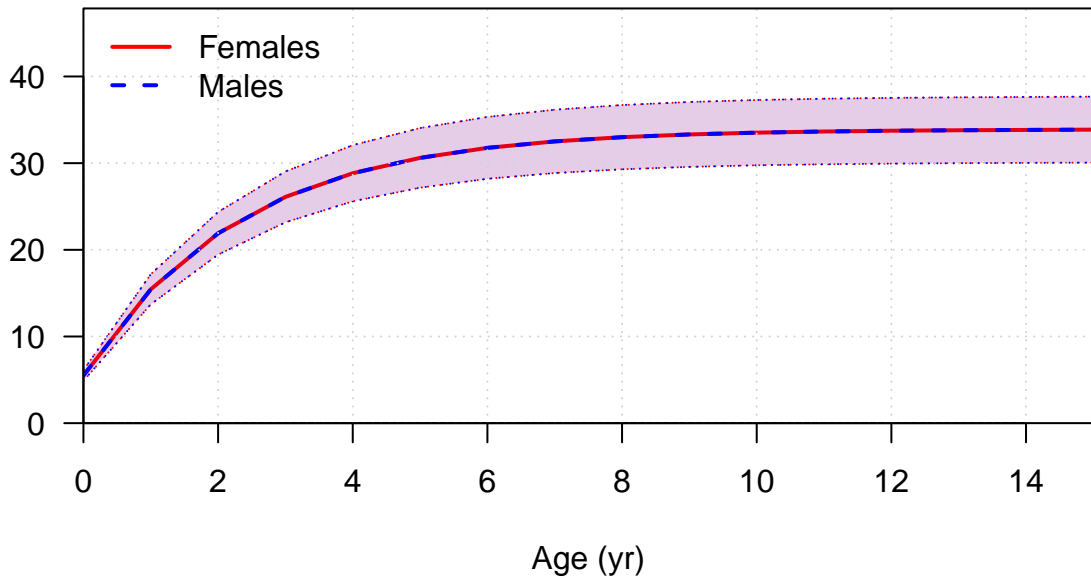
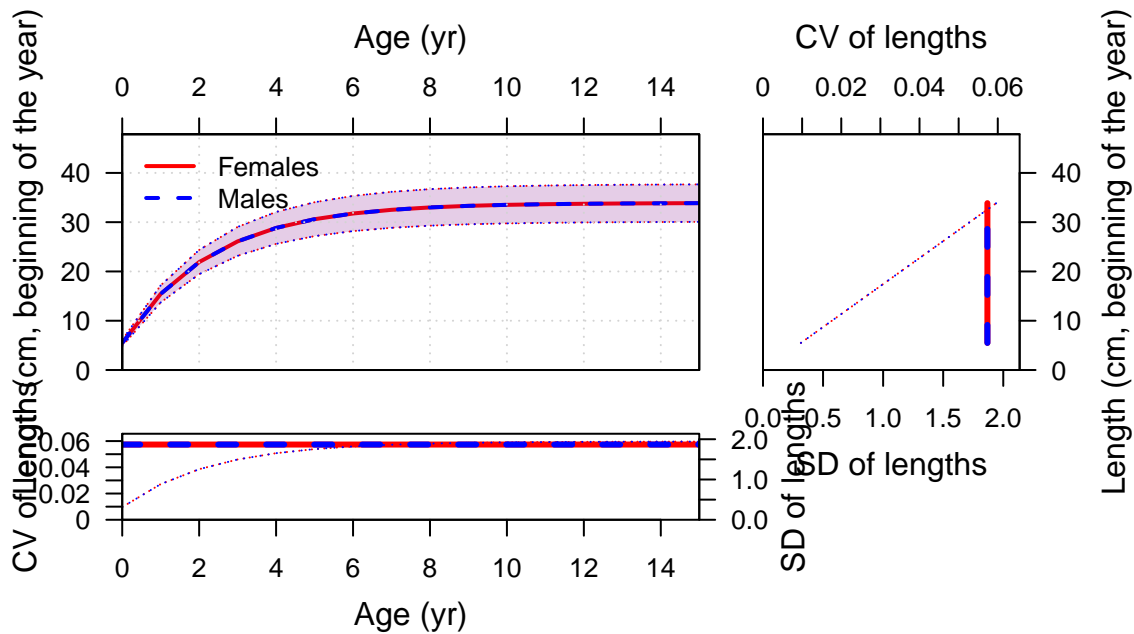
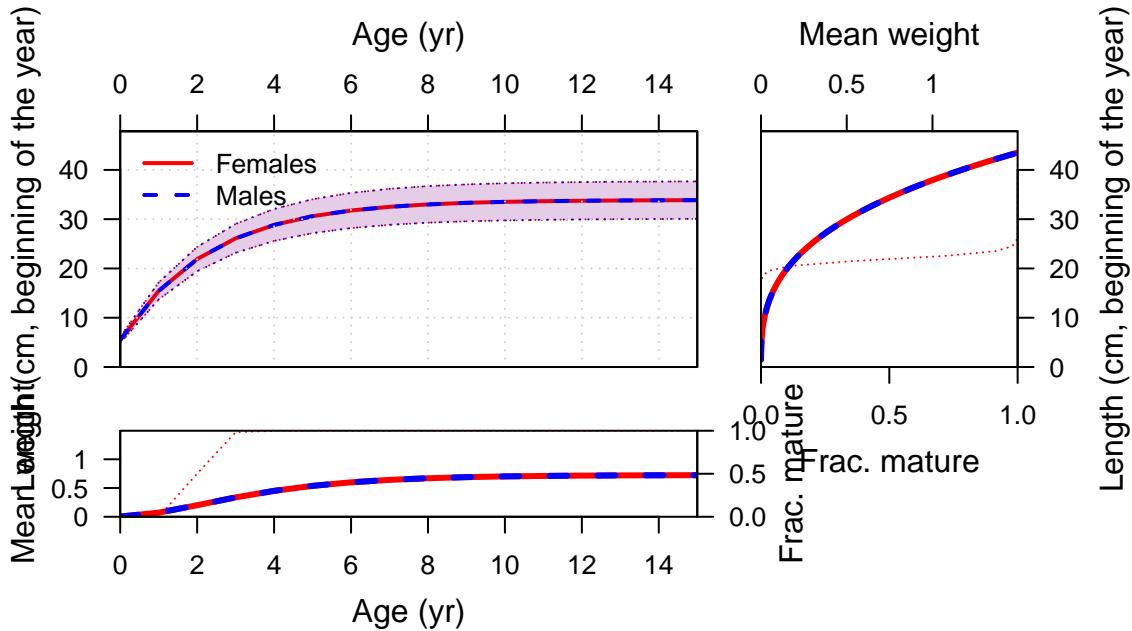


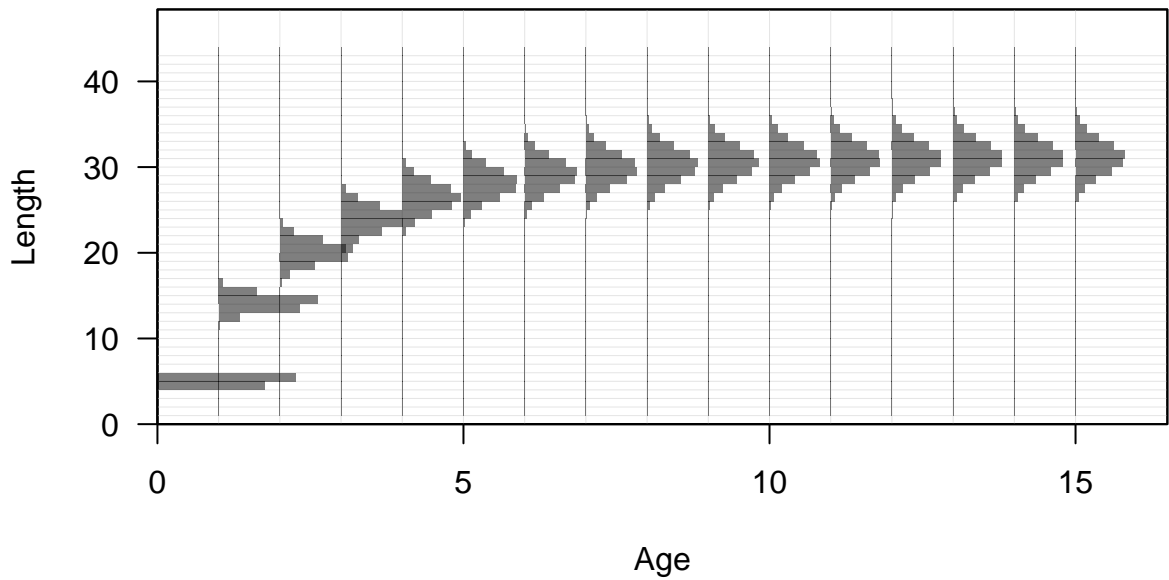
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Sun Feb 19 14:59:13 2023
Data_File: data.ss
Control_File: control.ss

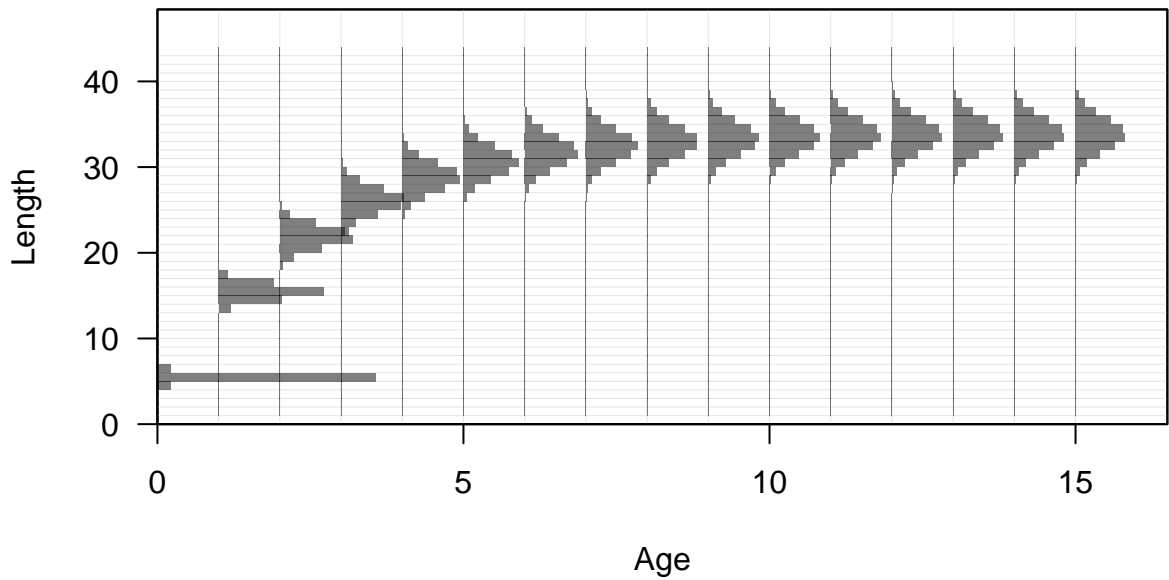
Length (cm, beginning of the year)

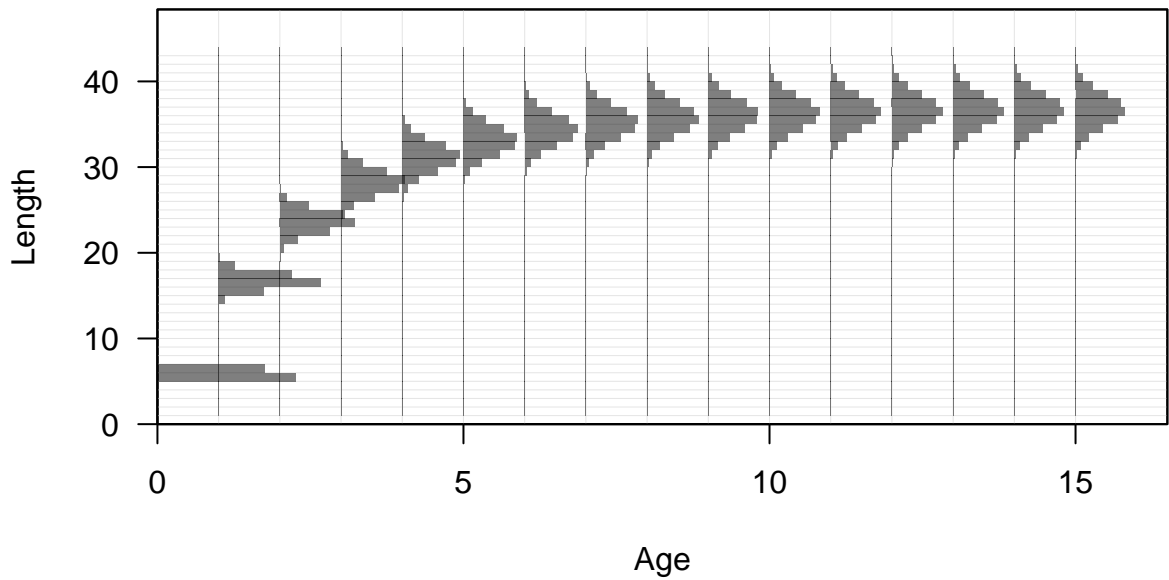


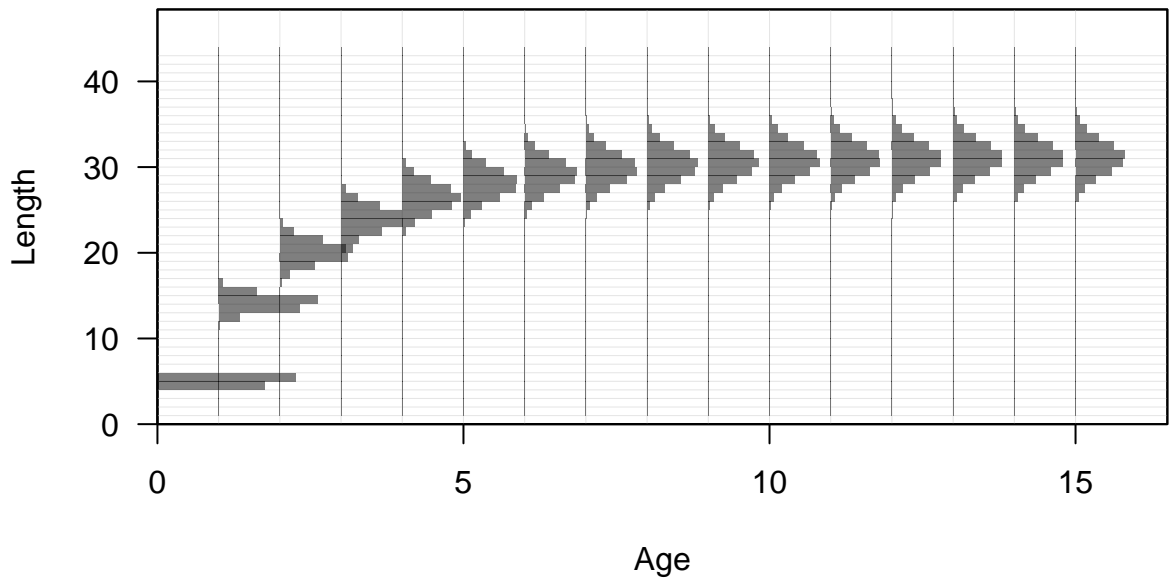


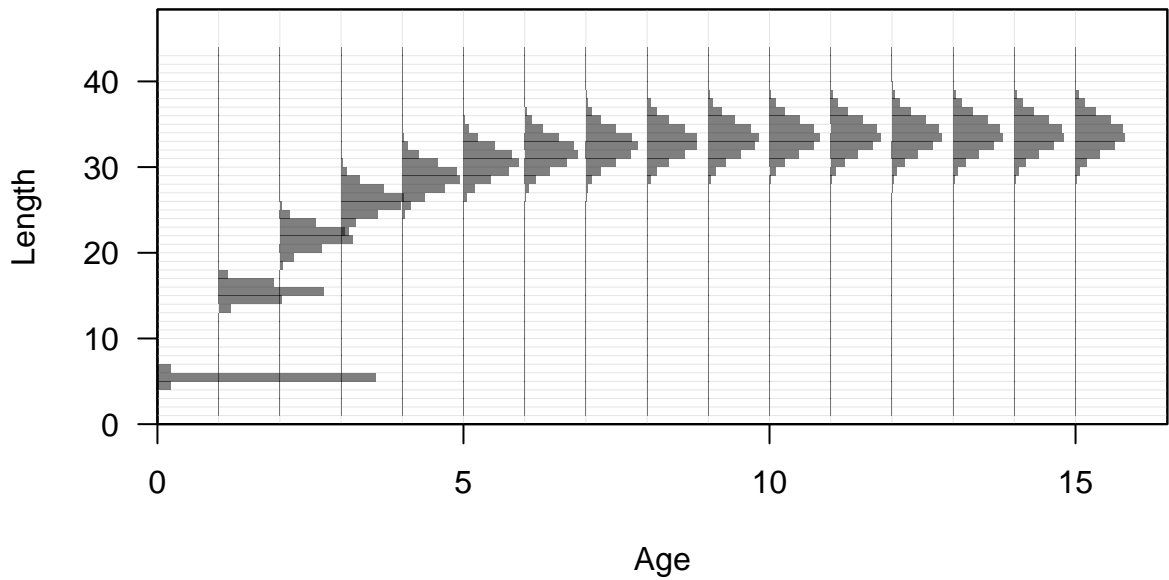


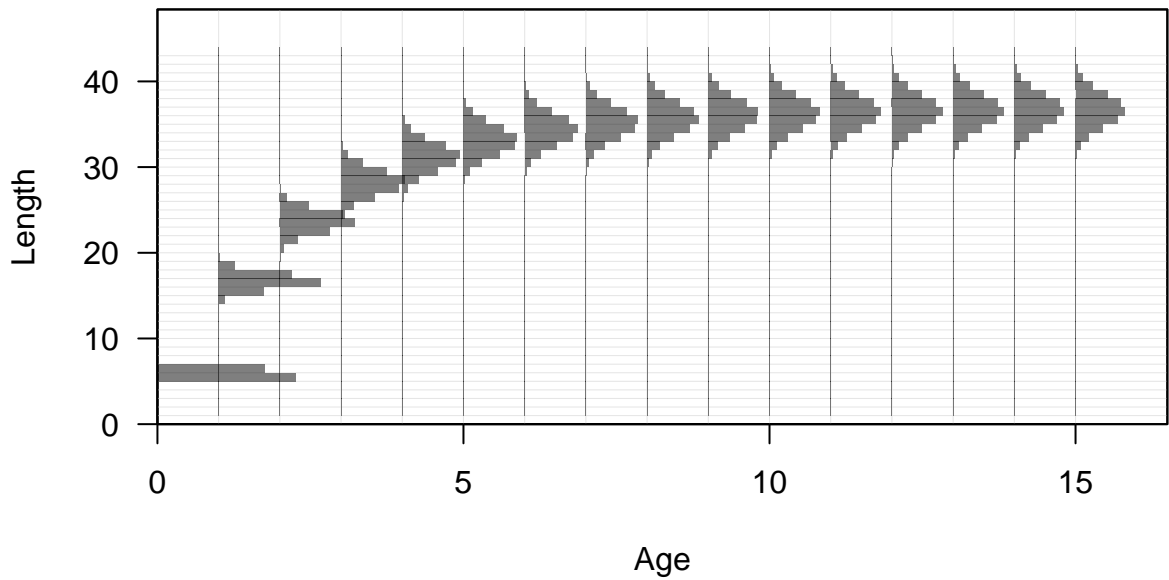


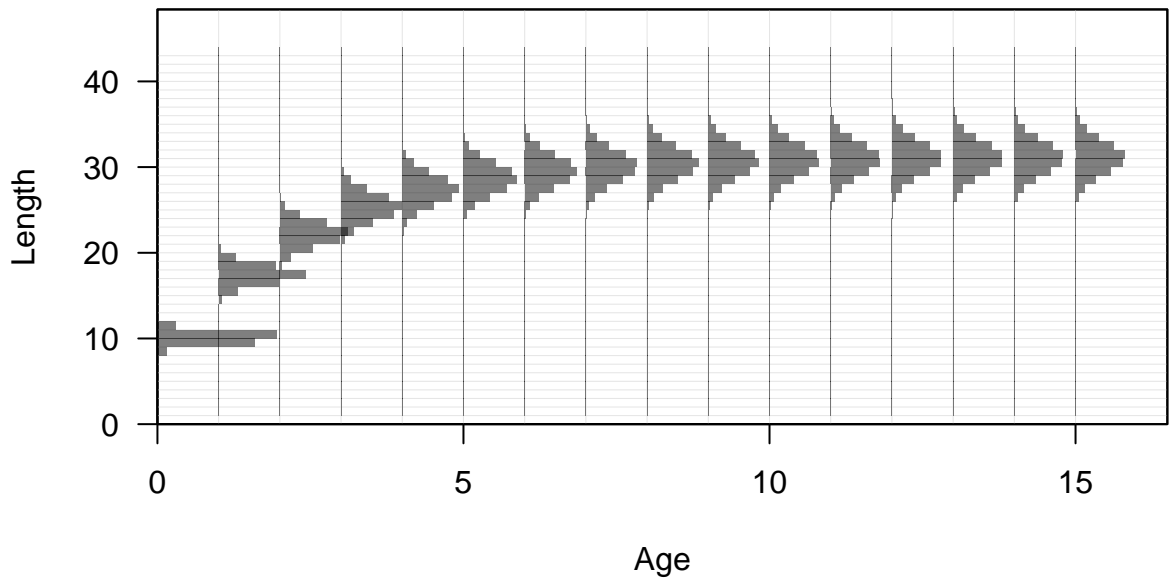


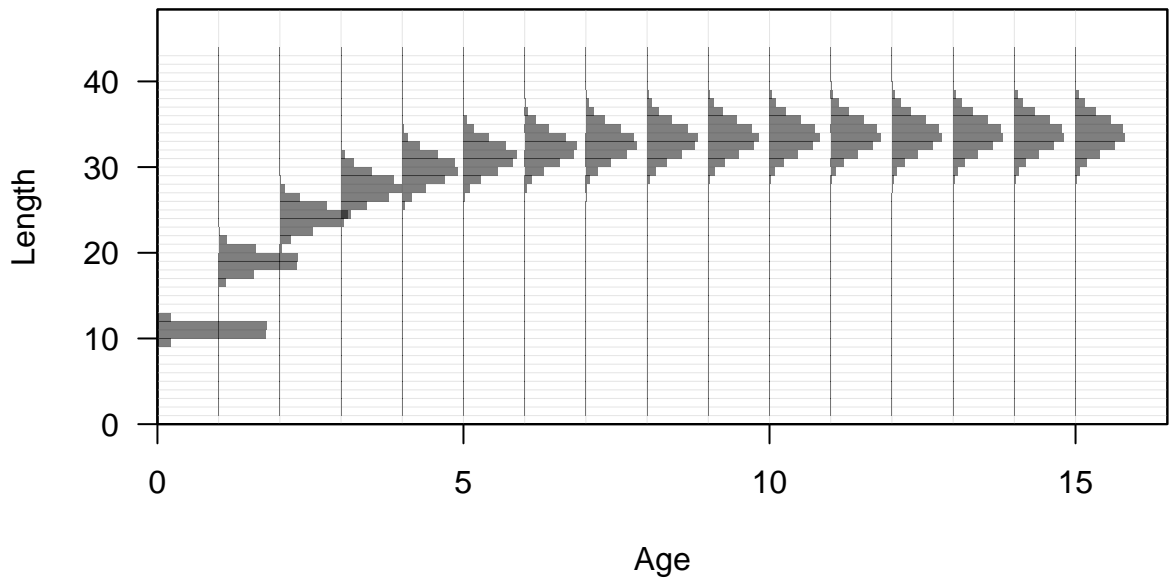


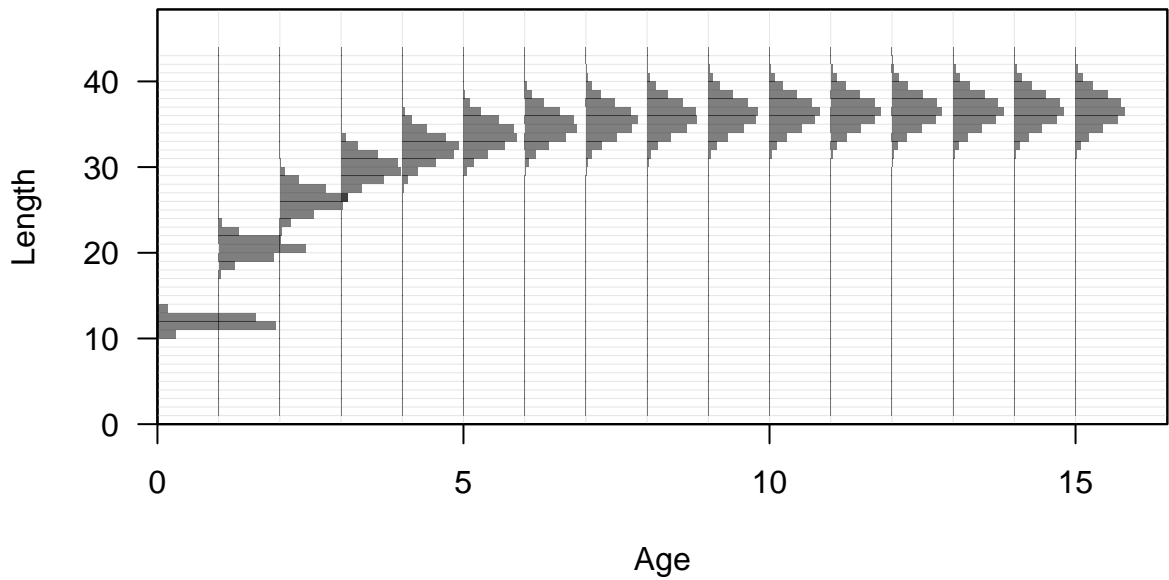


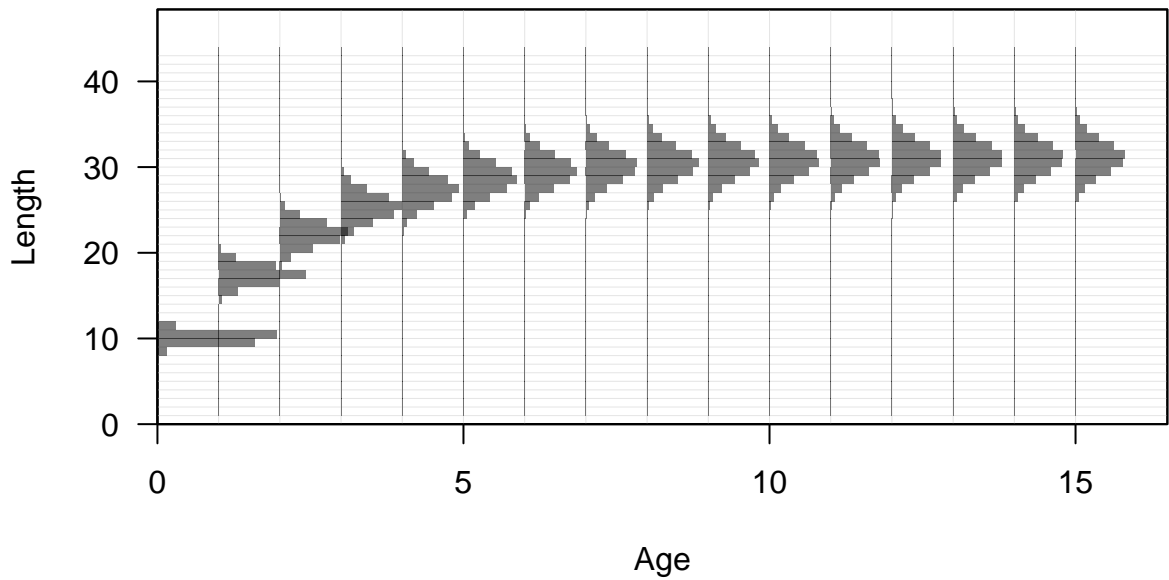


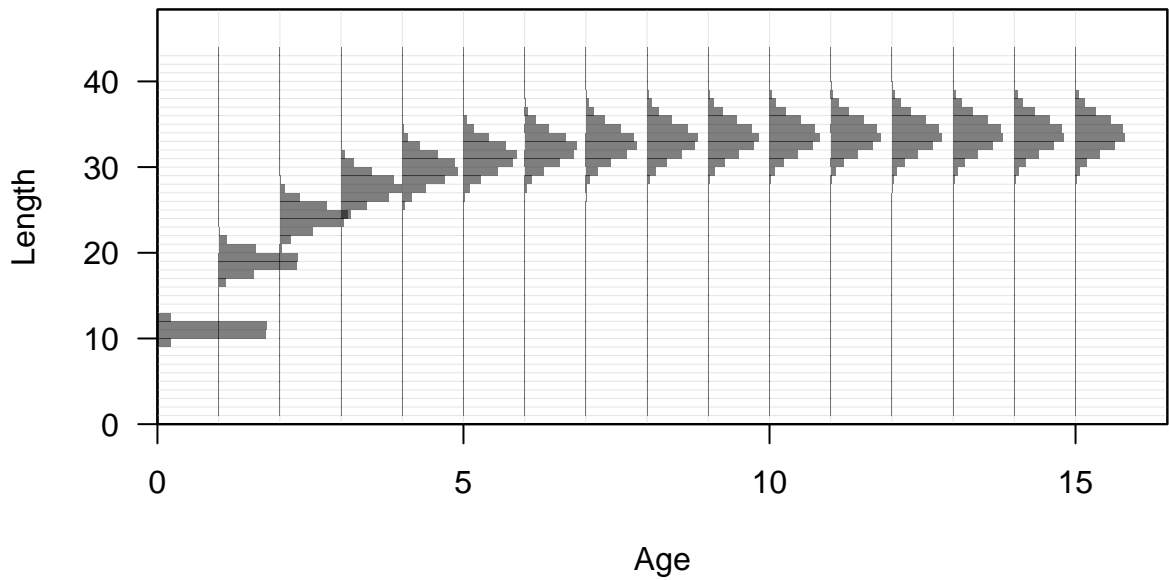


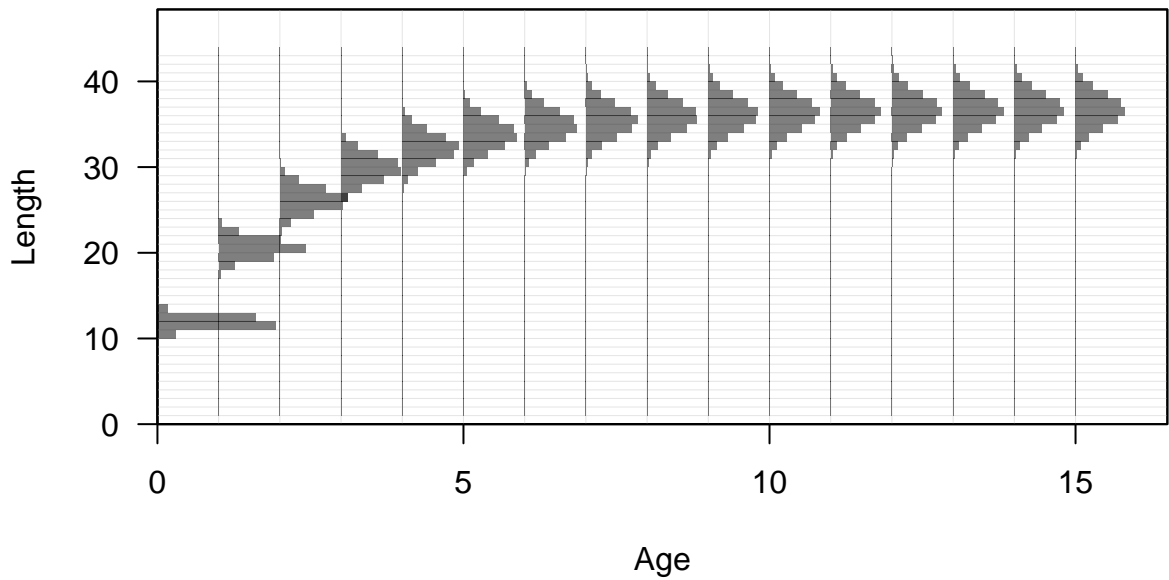


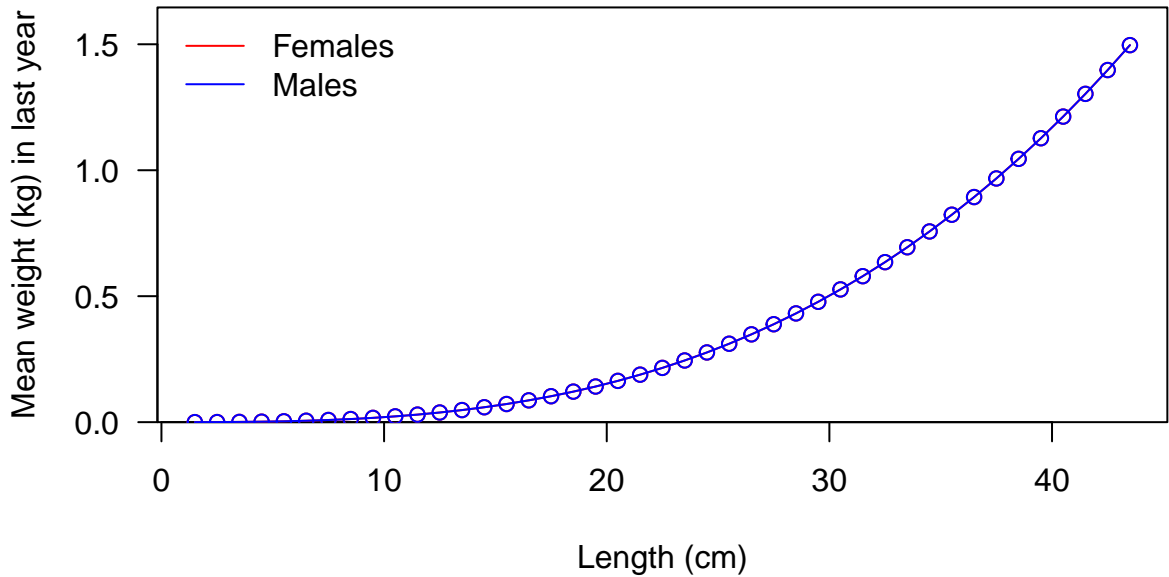


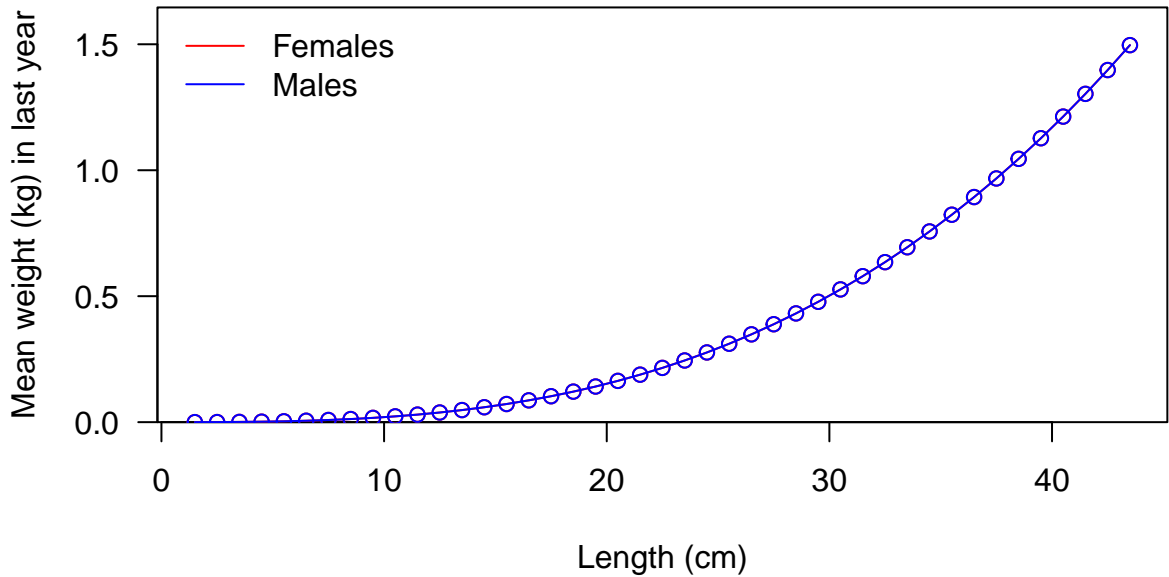


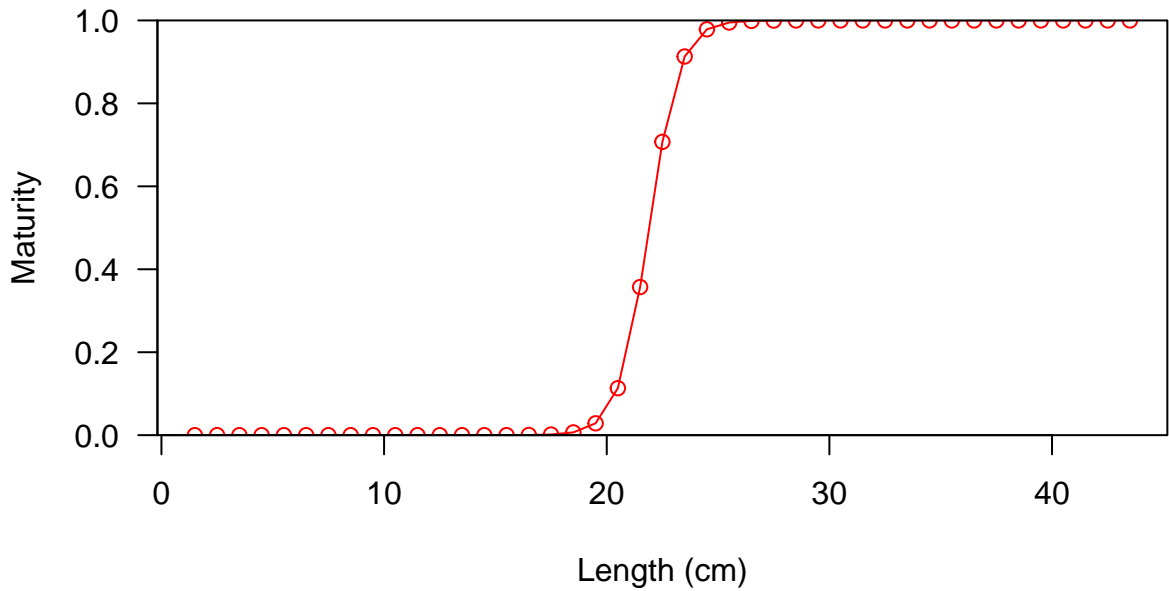


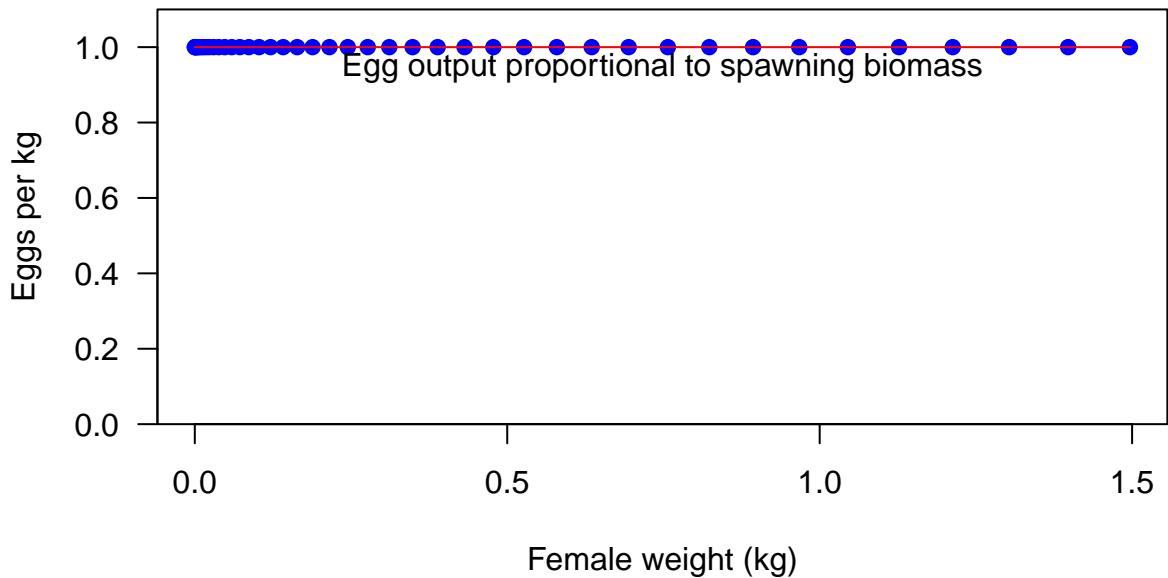


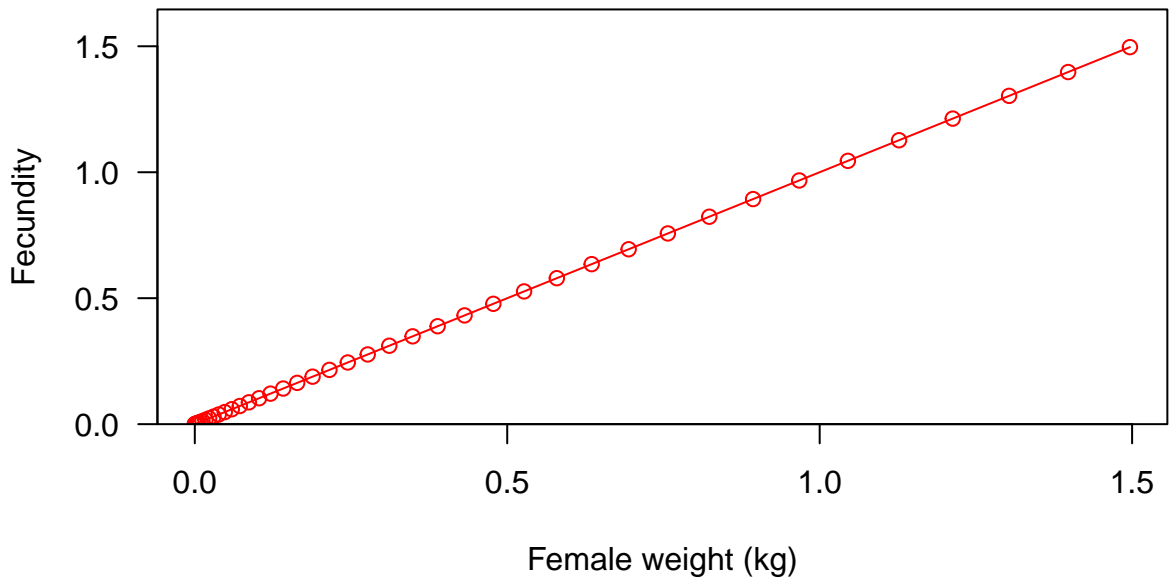


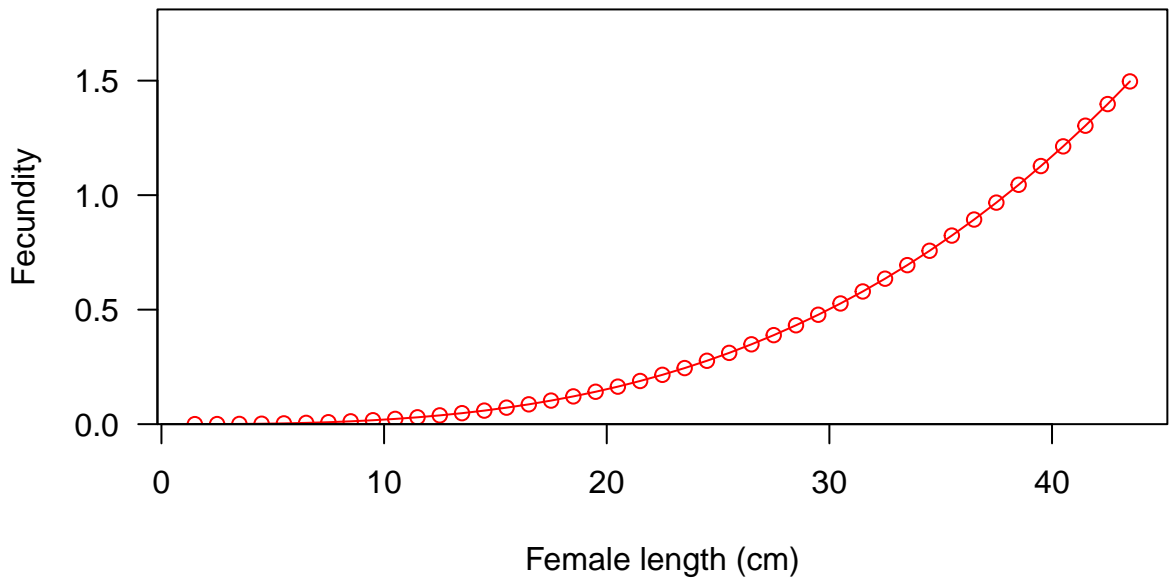


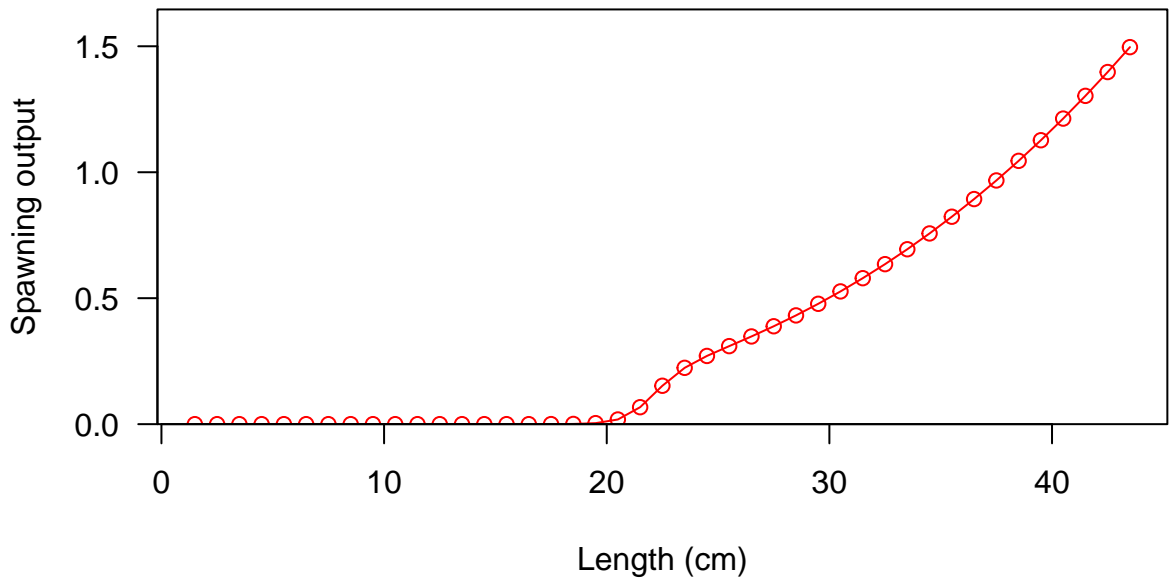


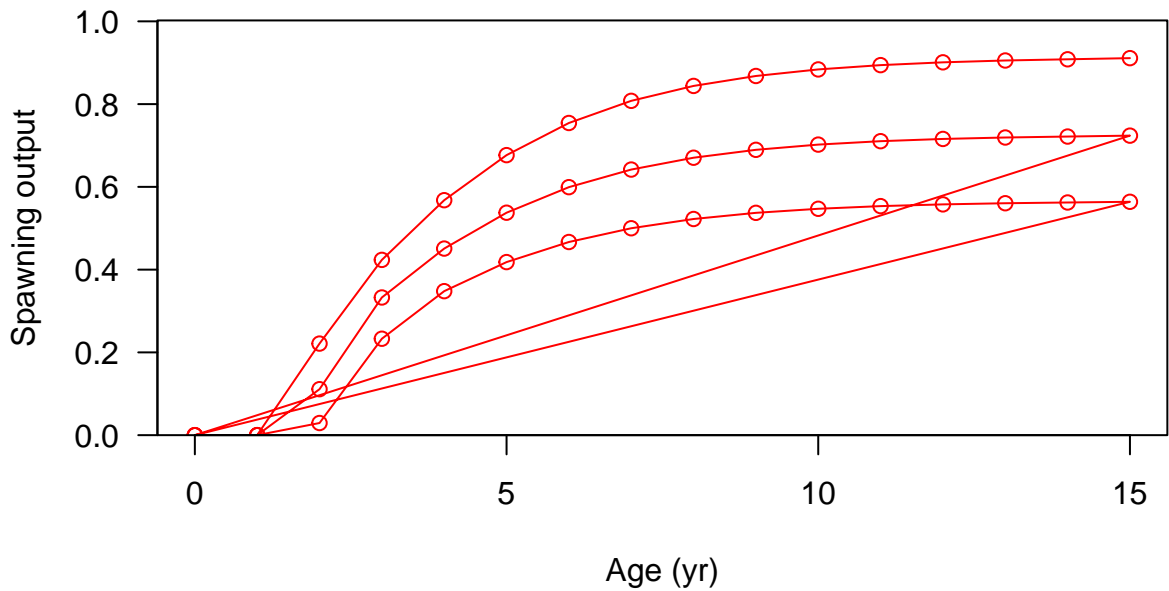




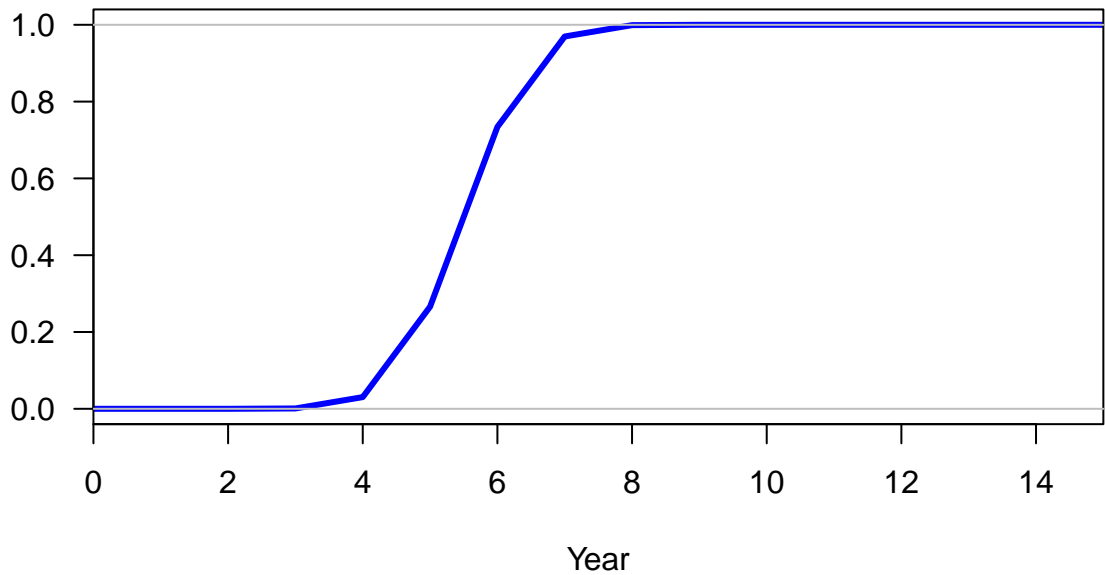




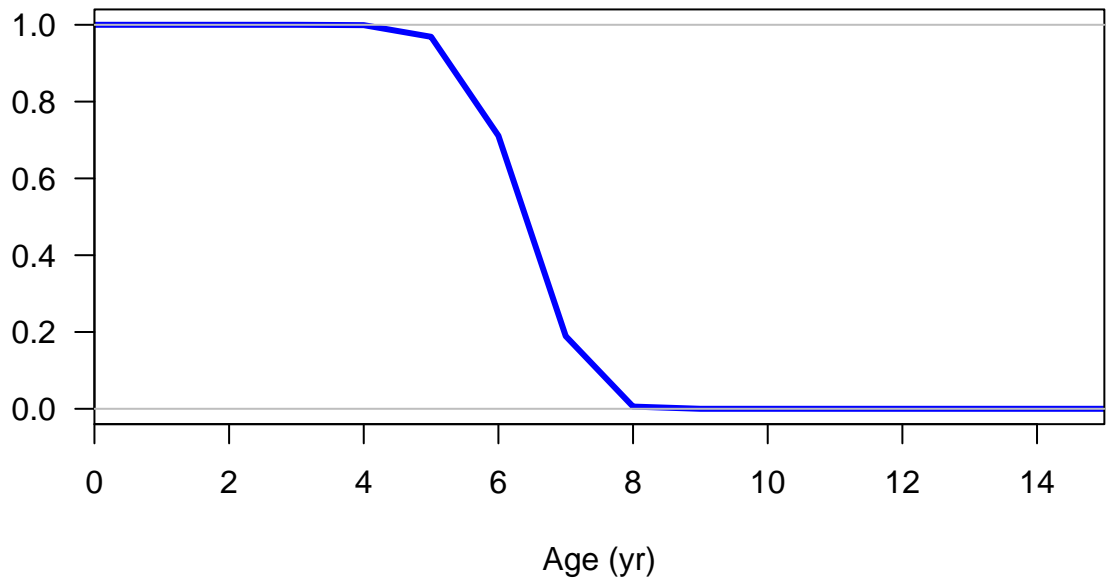




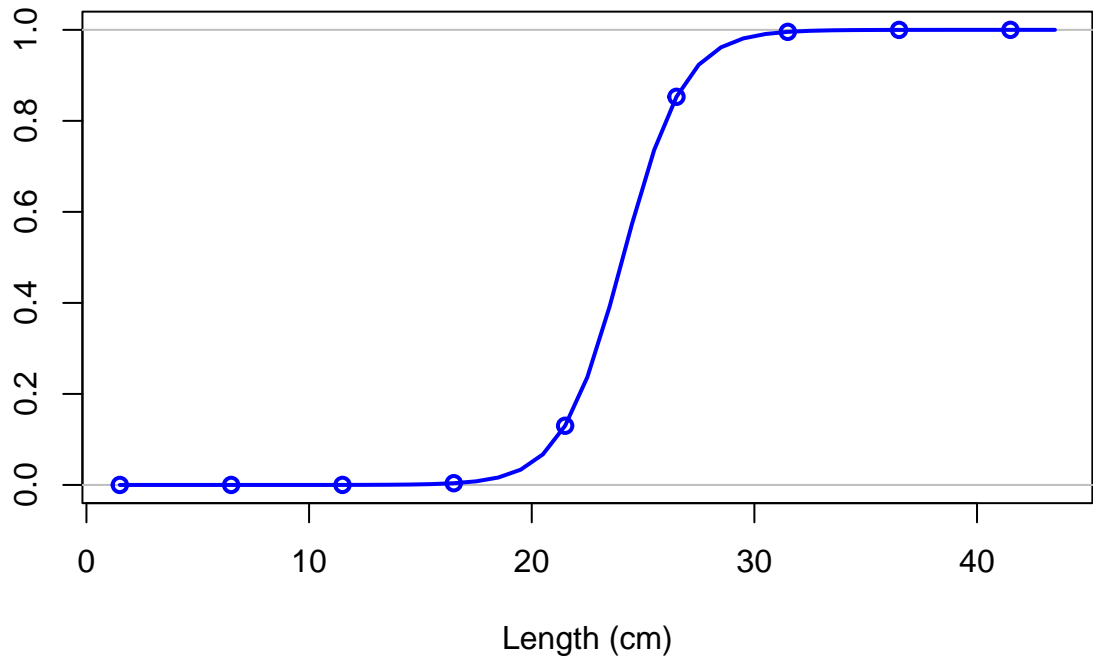
Hermaphroditism transition rate



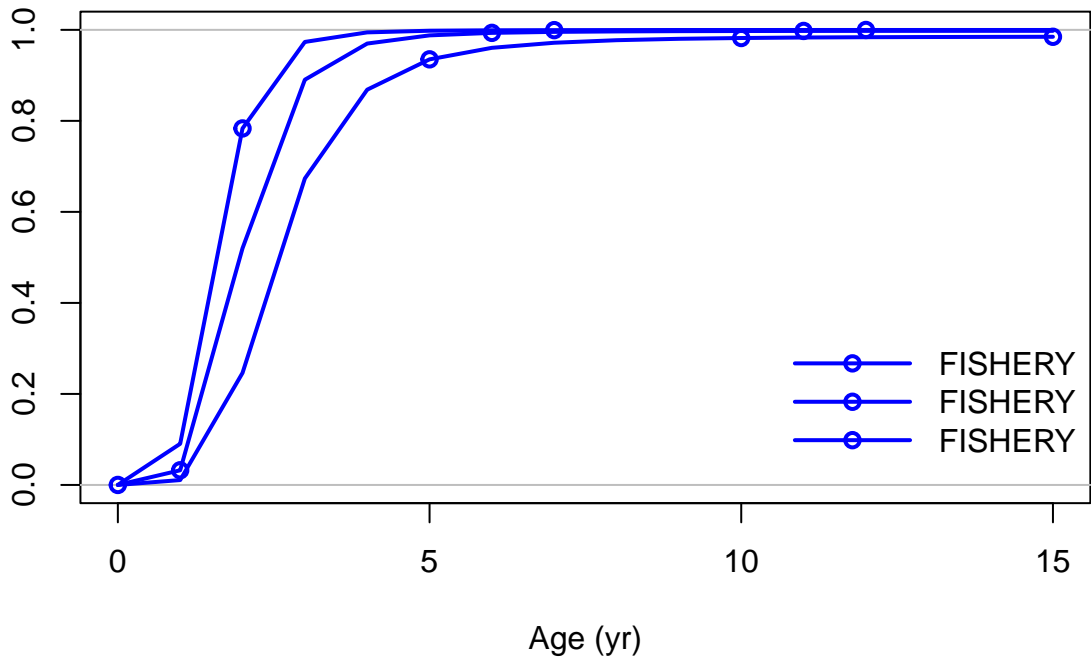
Fraction females by age at equilibrium



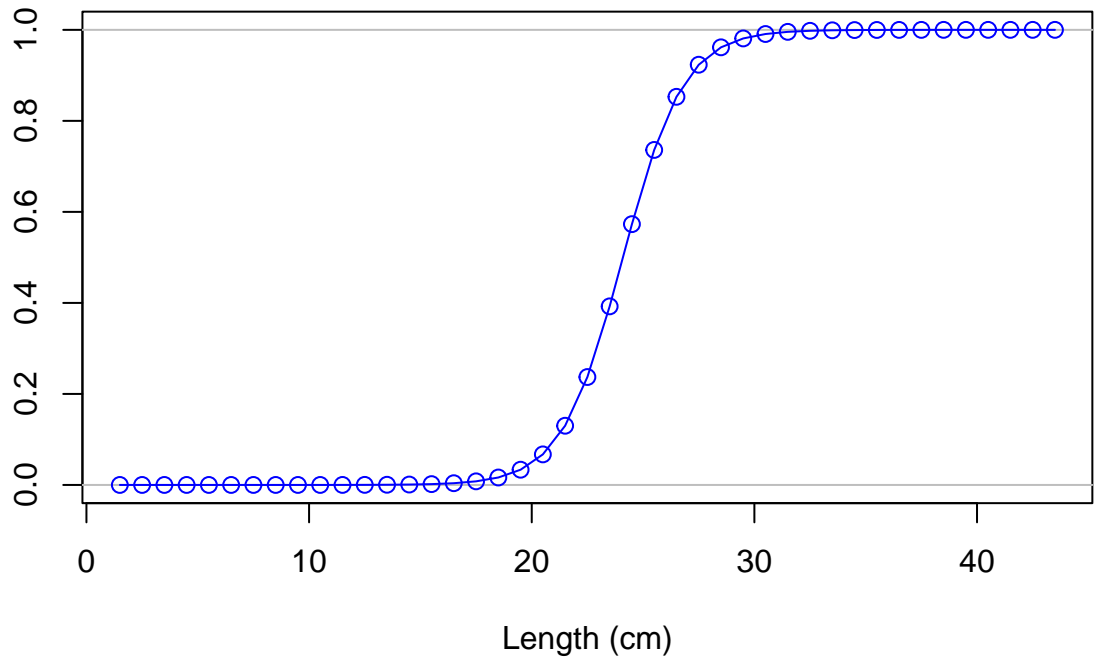
Selectivity



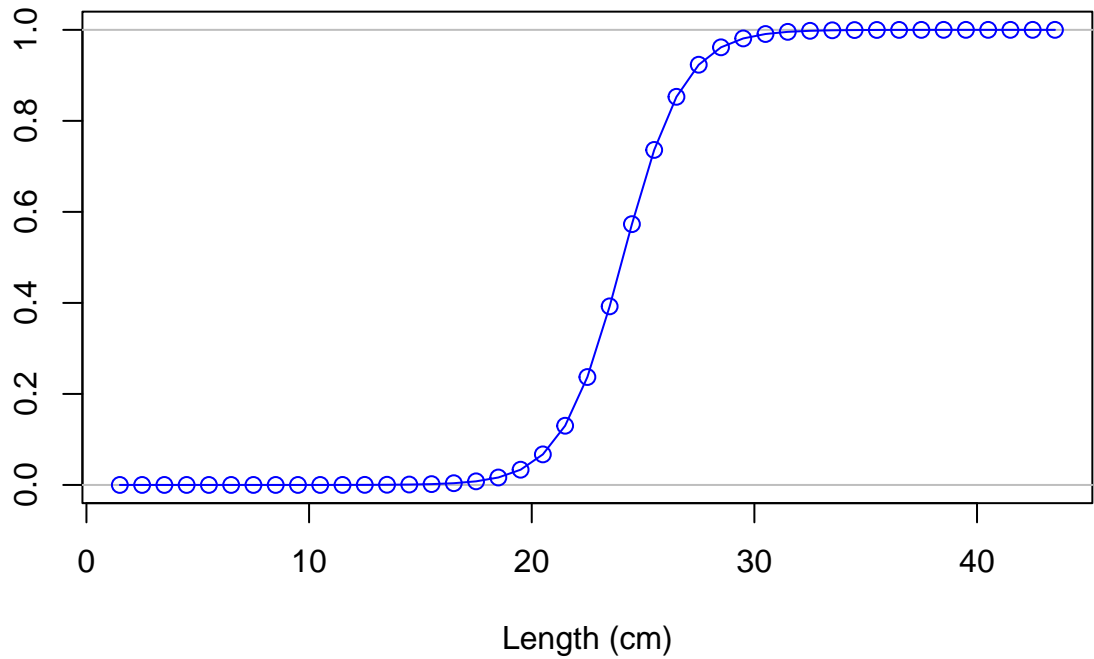
Selectivity

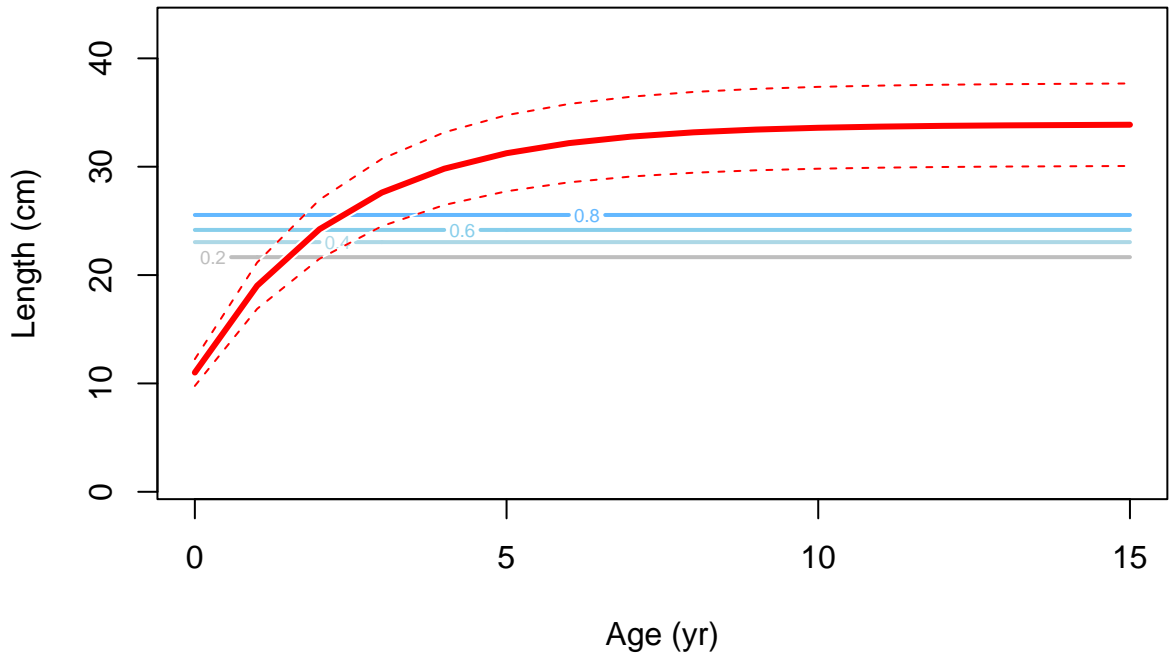


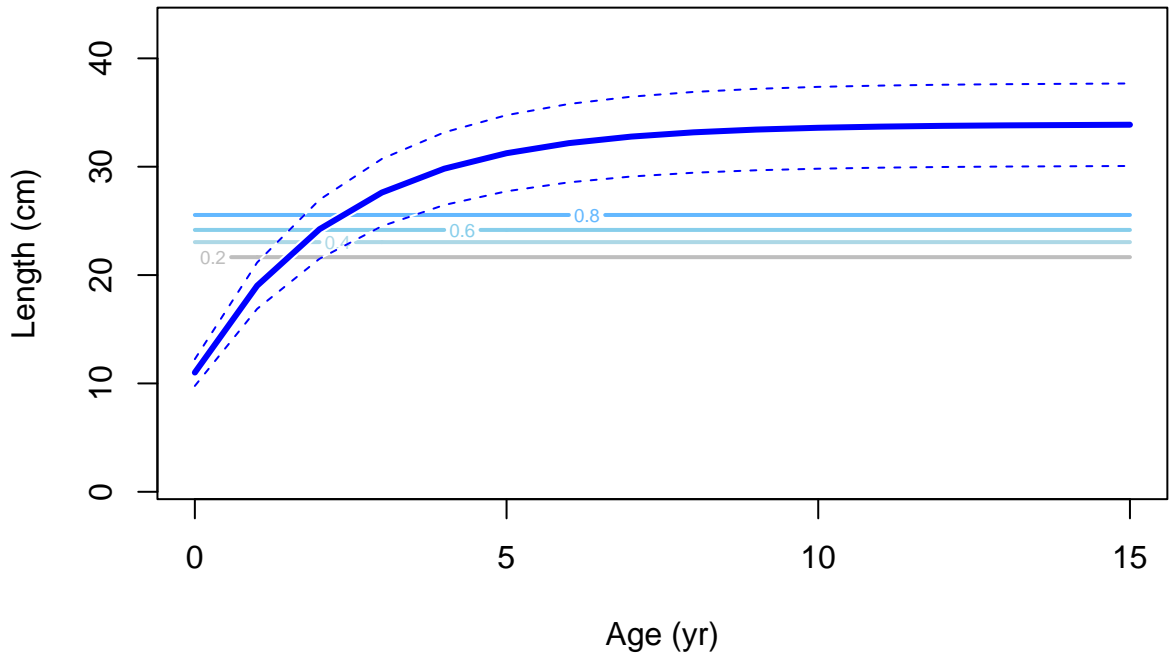
Selectivity

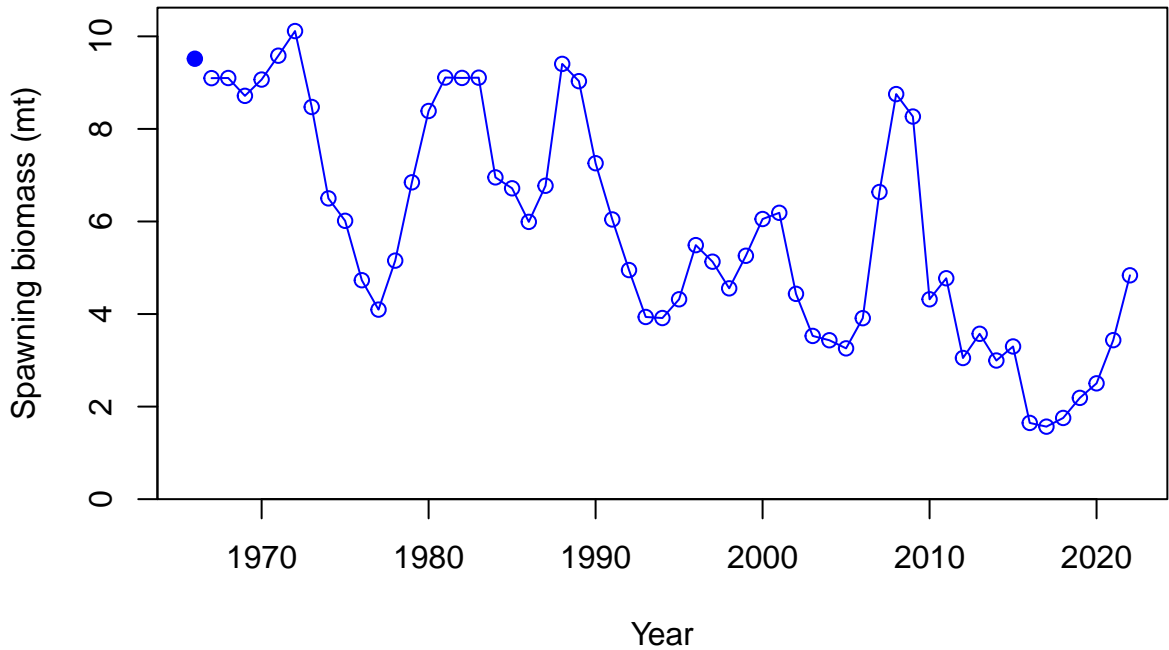


Selectivity

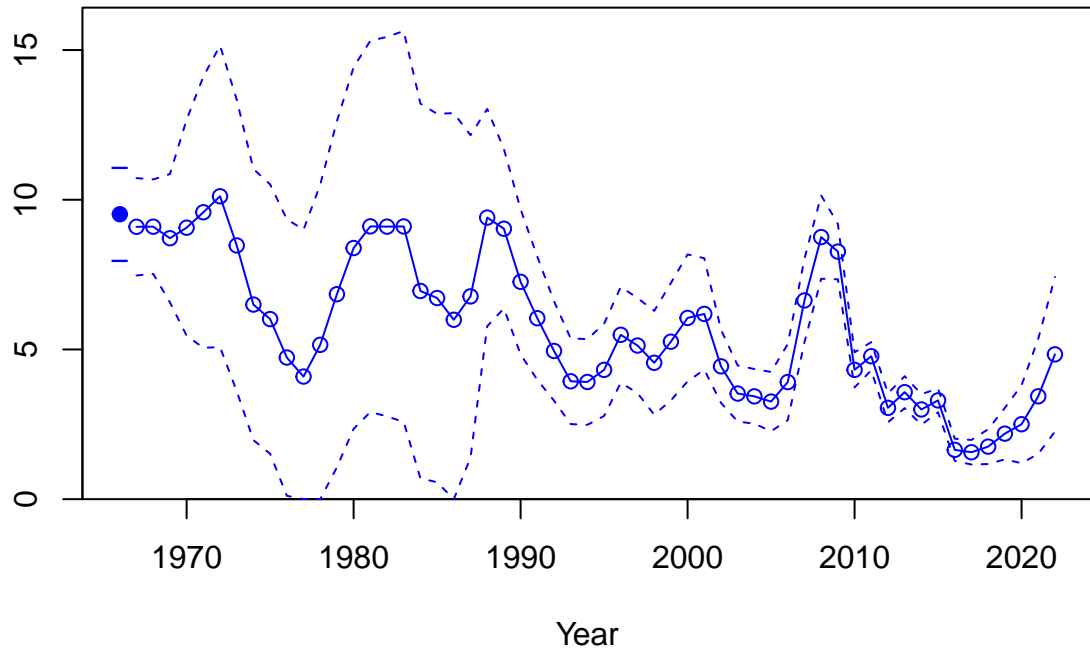




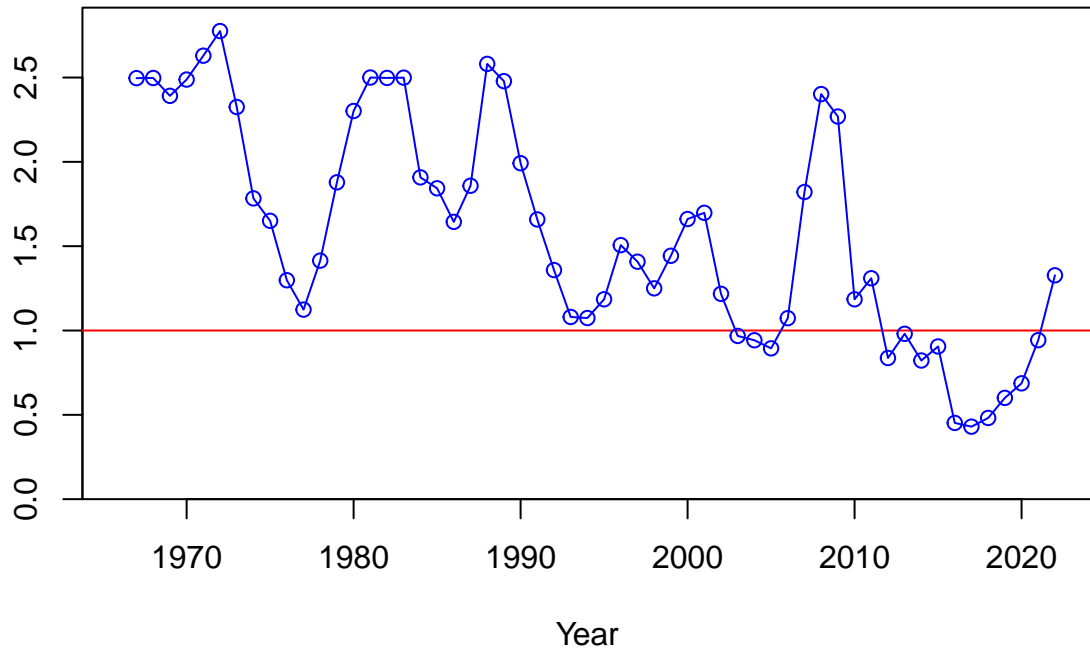




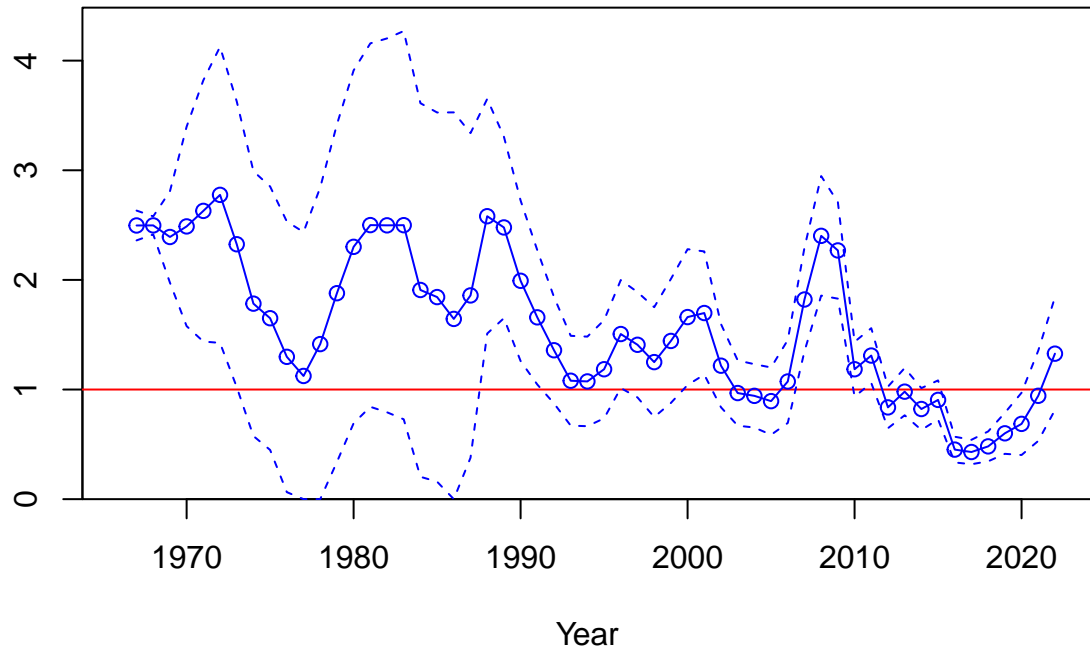
Spawning biomass (mt)

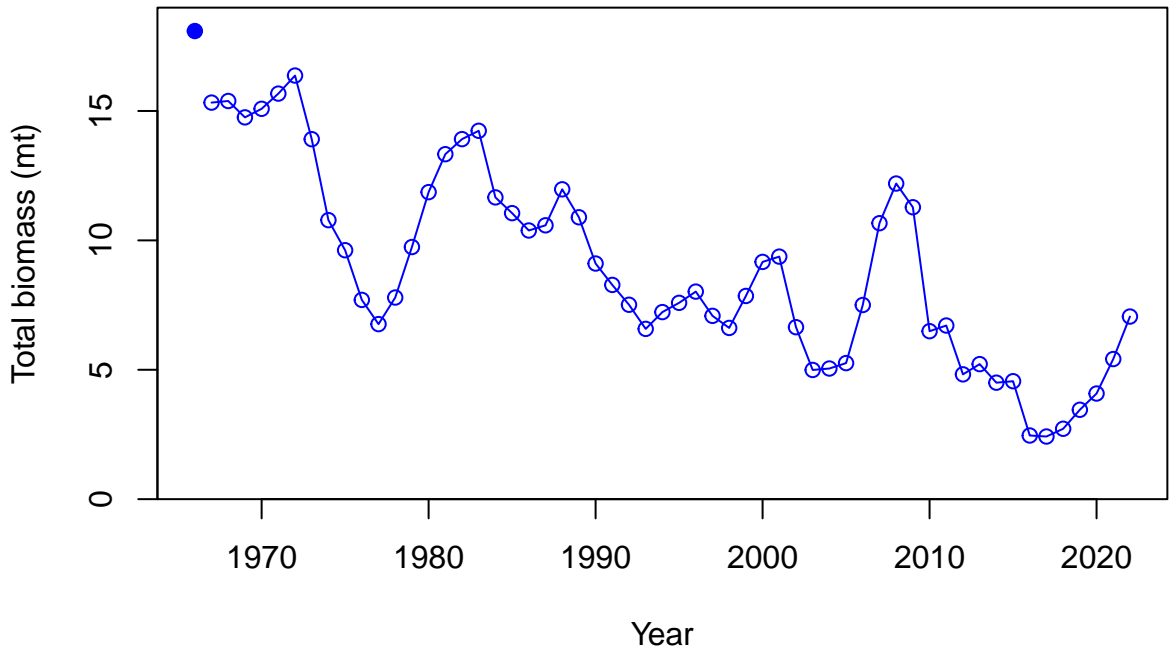


Relative spawning biomass: B/B_{MSY}

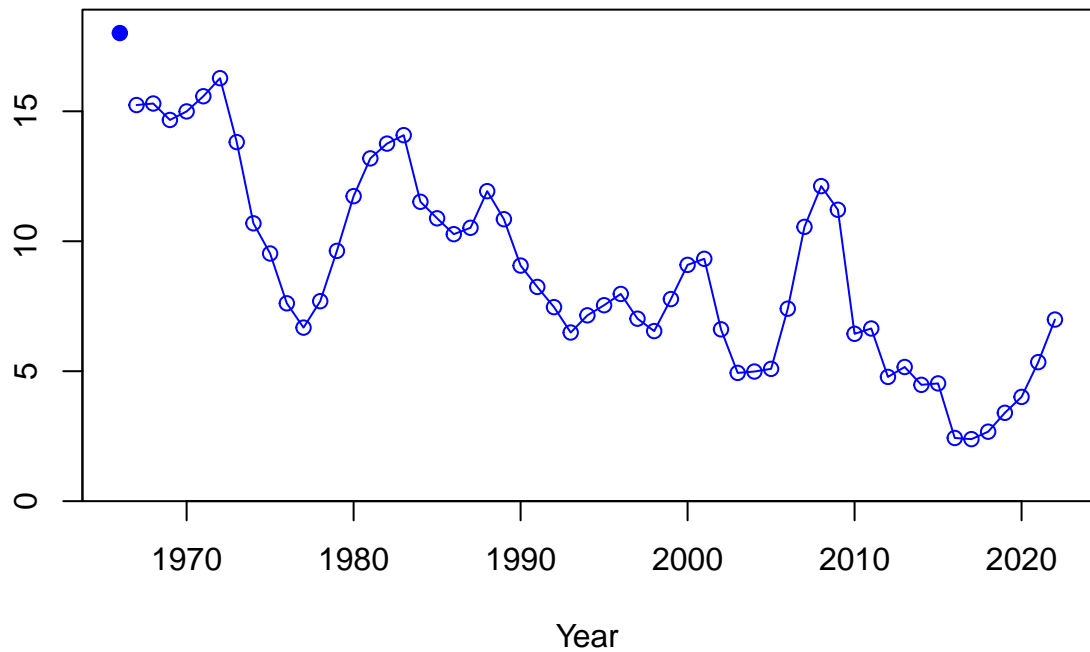


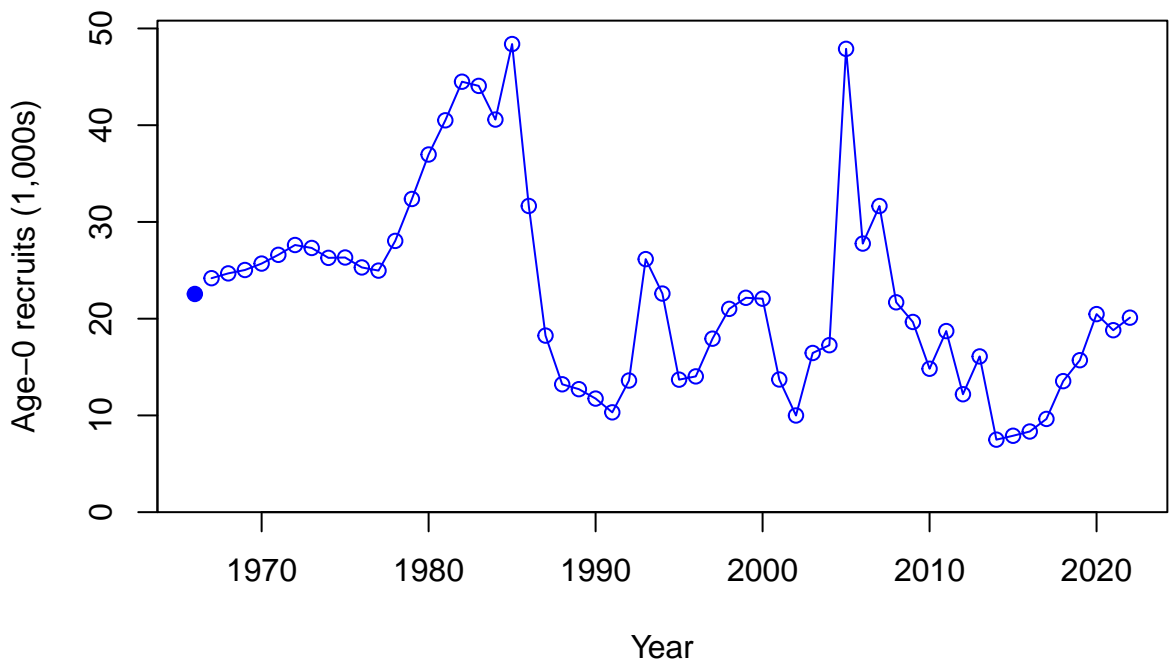
Relative spawning biomass: B/B_MSY



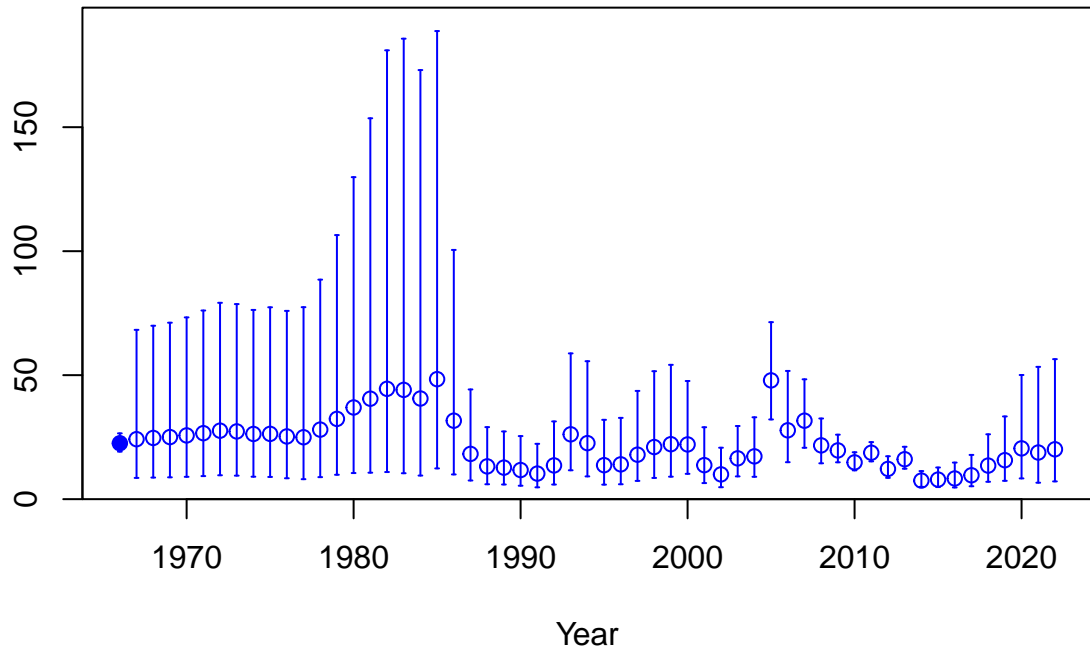


Summary biomass (mt)

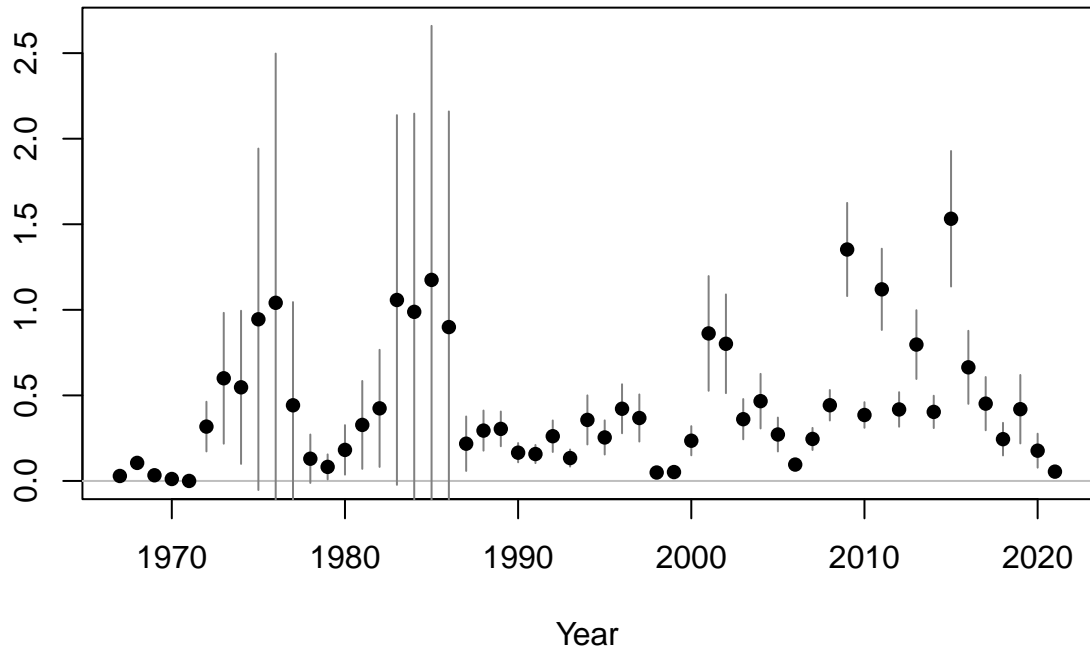


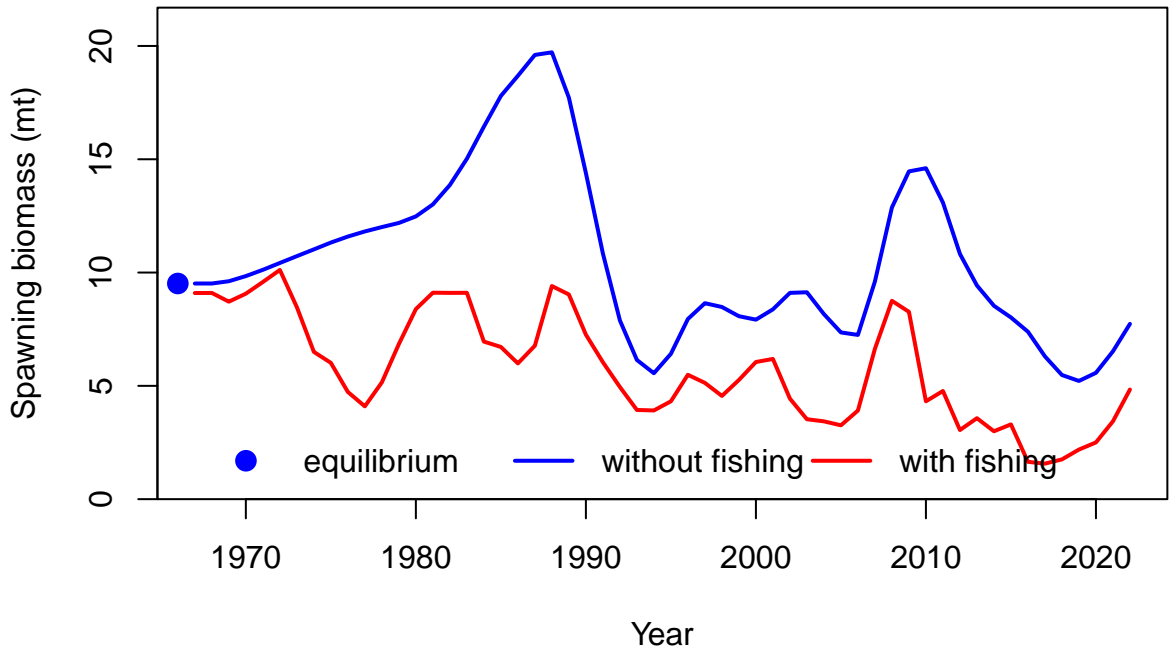


Age-0 recruits (1,000s)

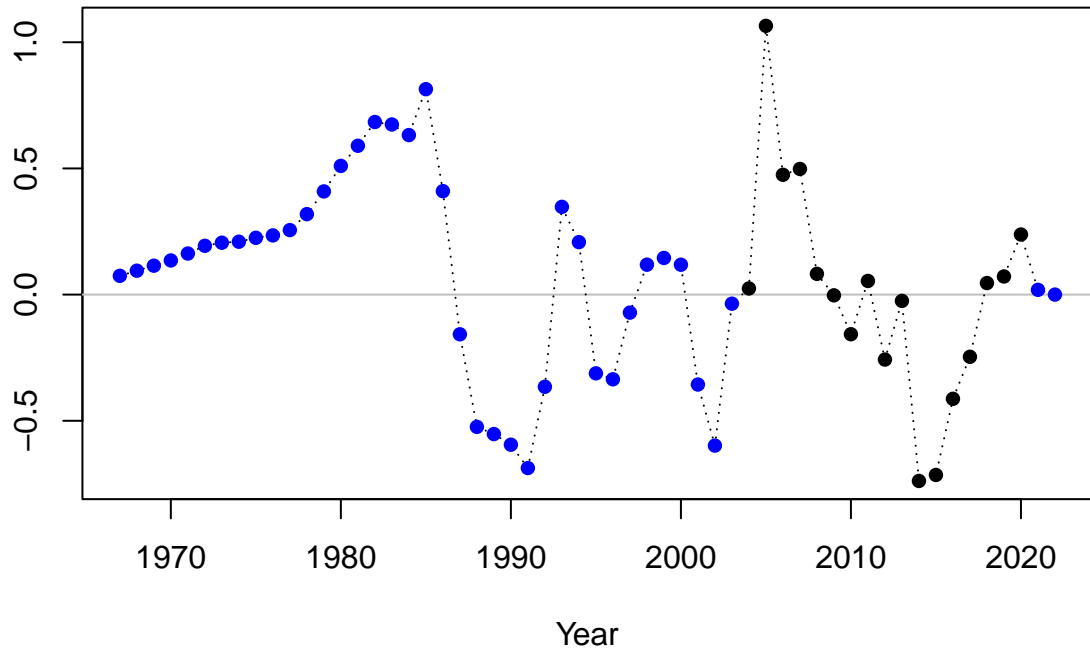


Summary Fishing Mortality





Log recruitment deviation



Log recruitment deviation

2
1
0
-1

1970

1980

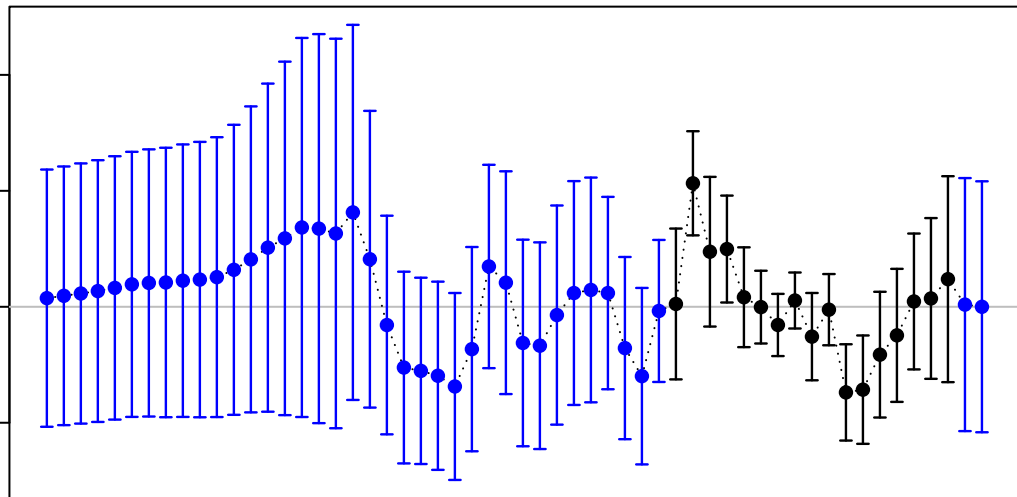
1990

2000

2010

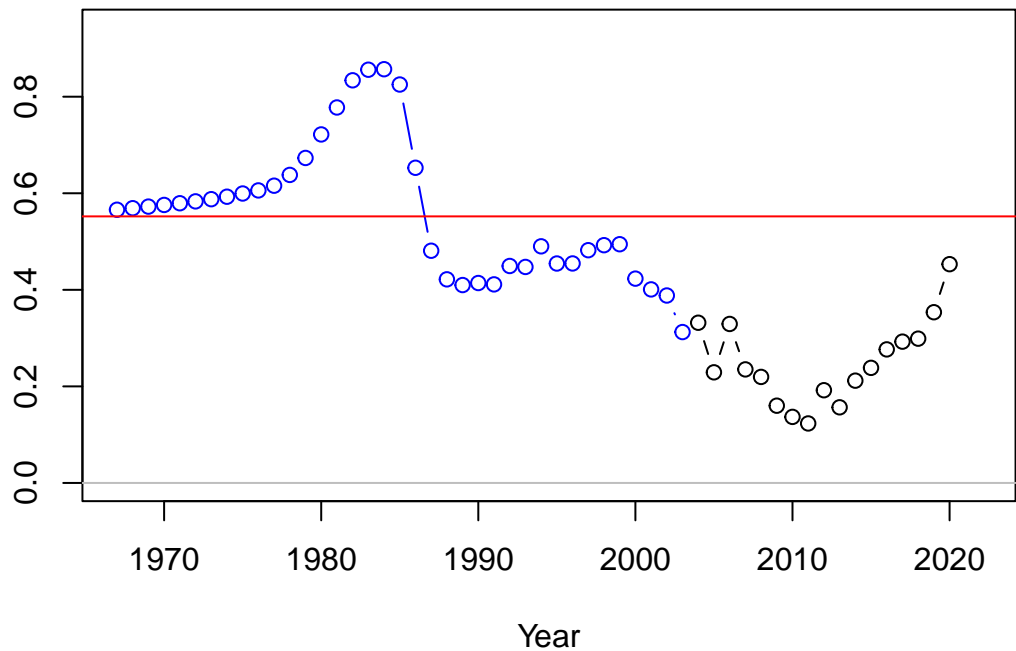
2020

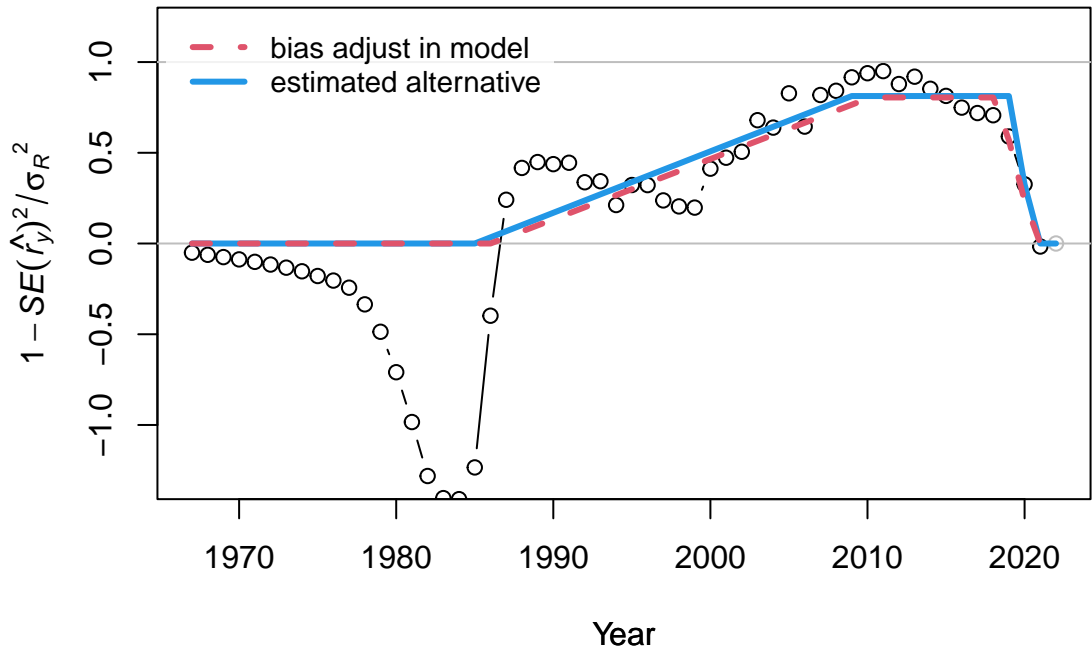
Year

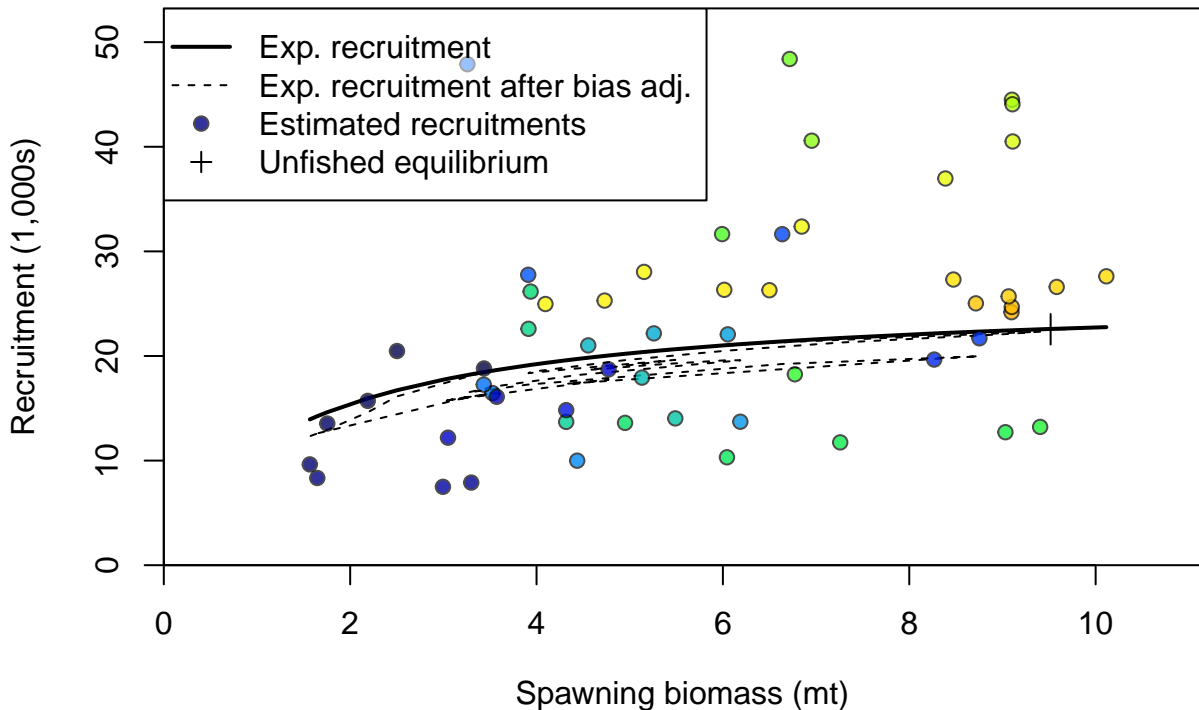


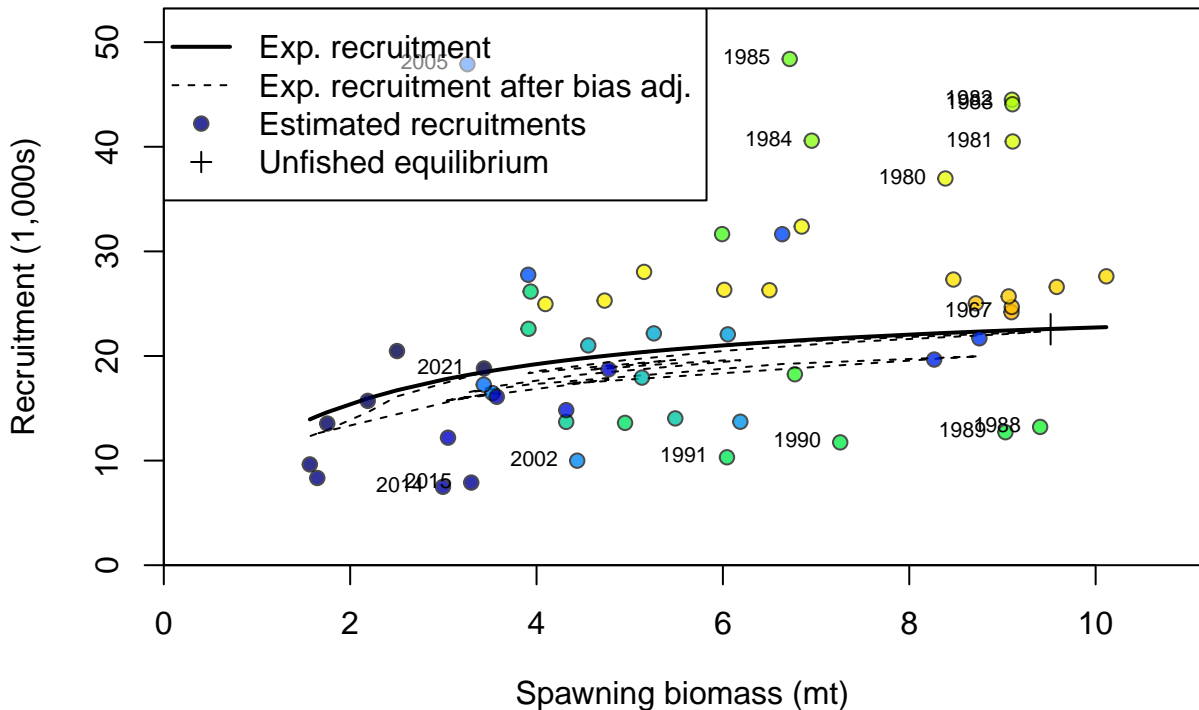
Recruitment deviation variance

Asymptotic standard error estimate

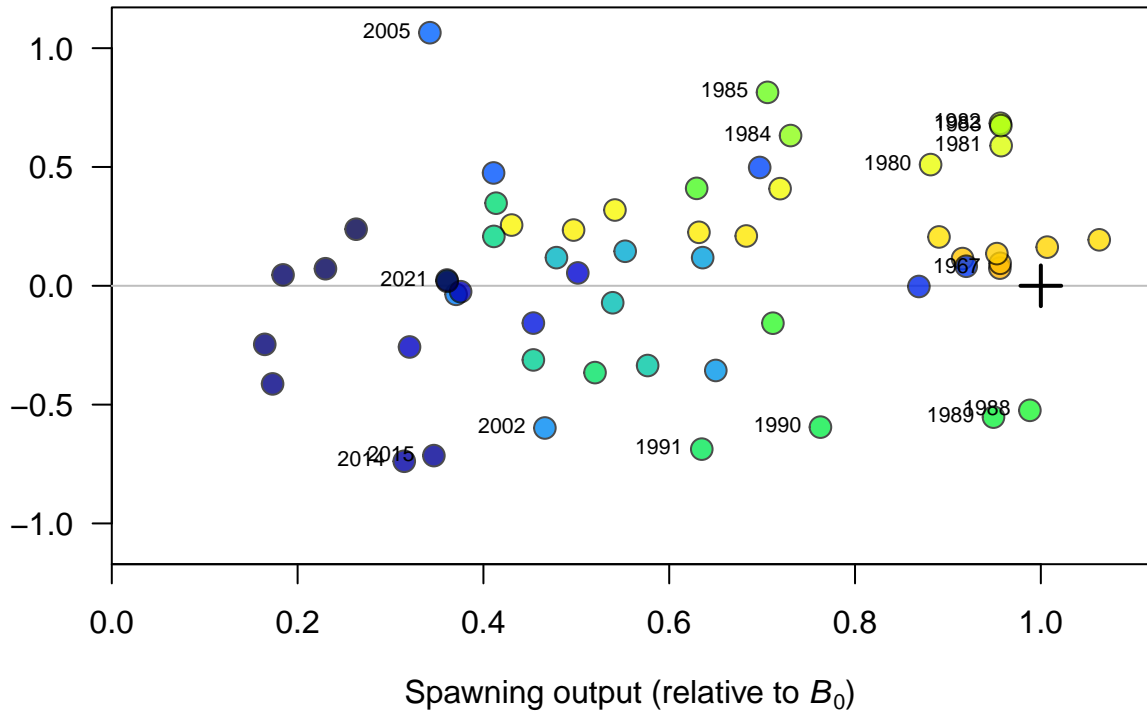


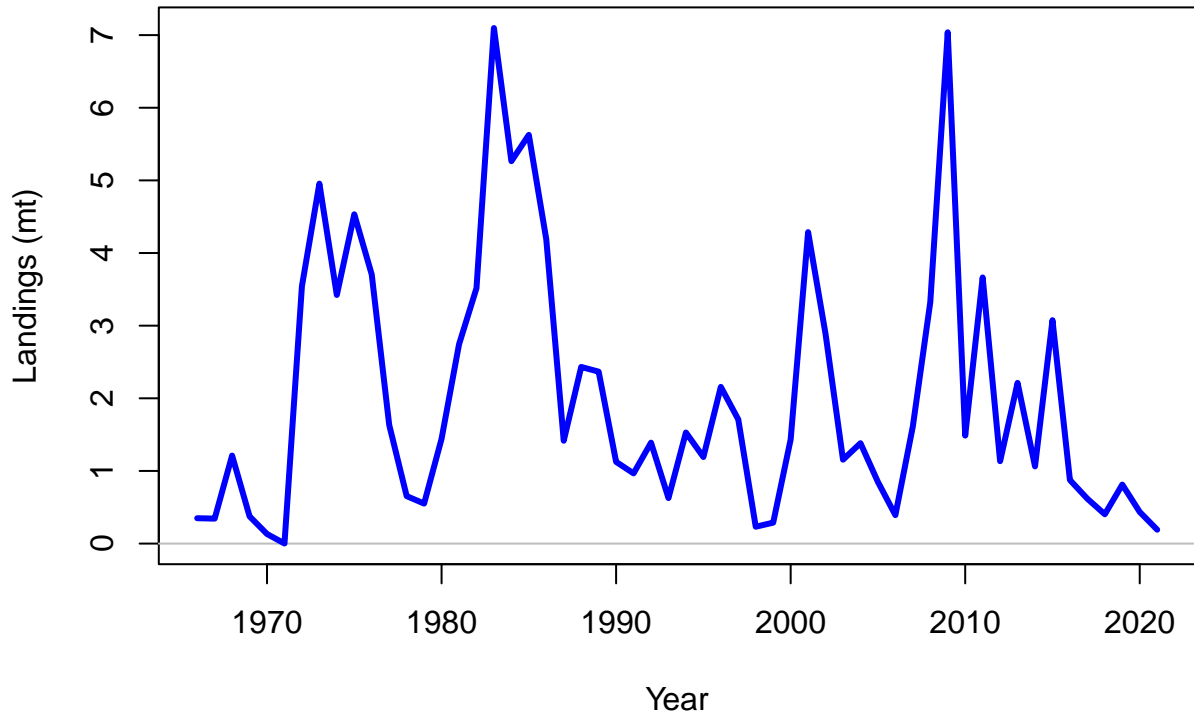


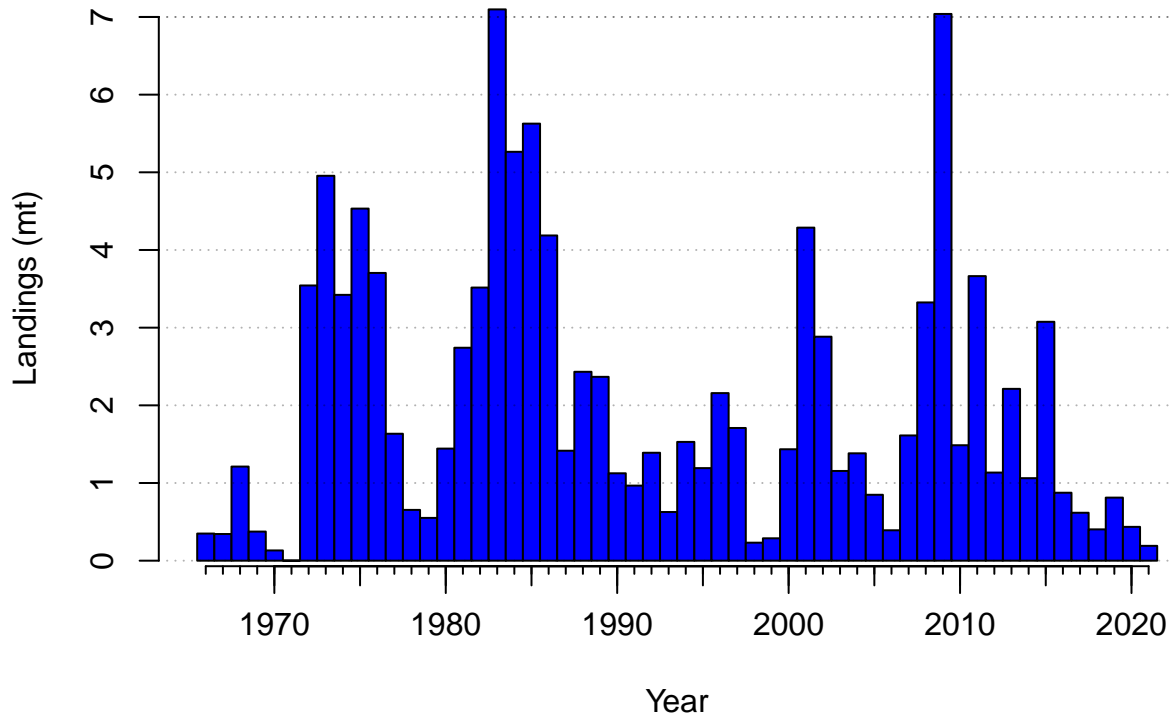


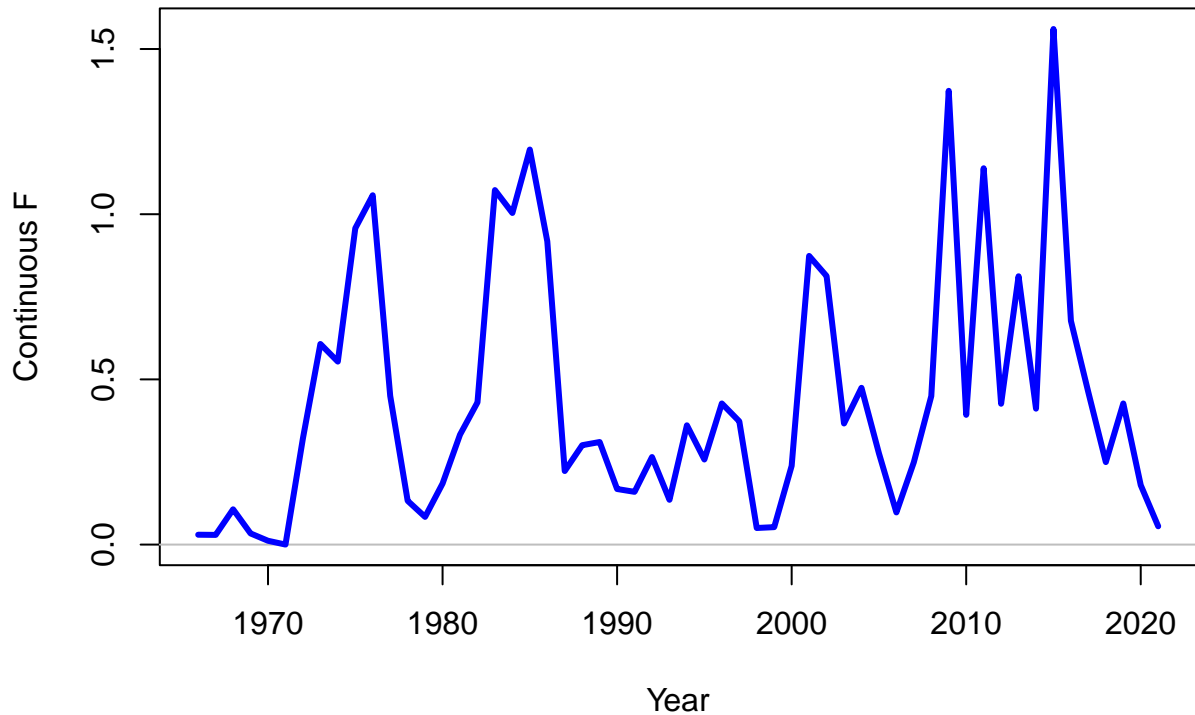


Log recruitment deviation

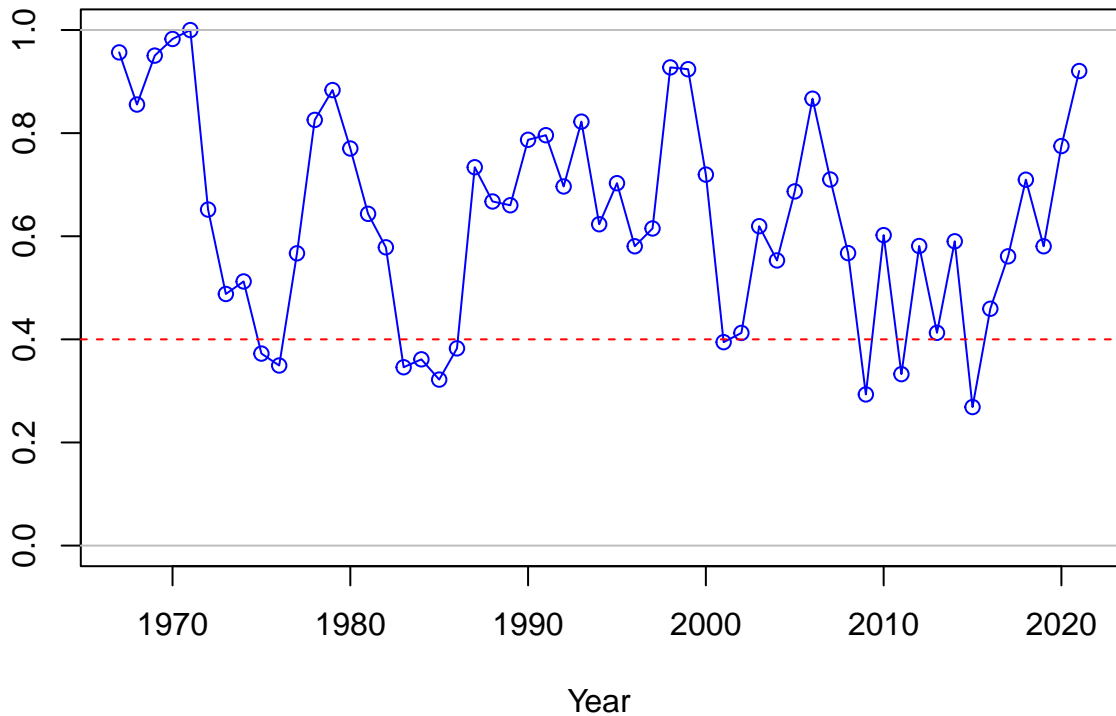


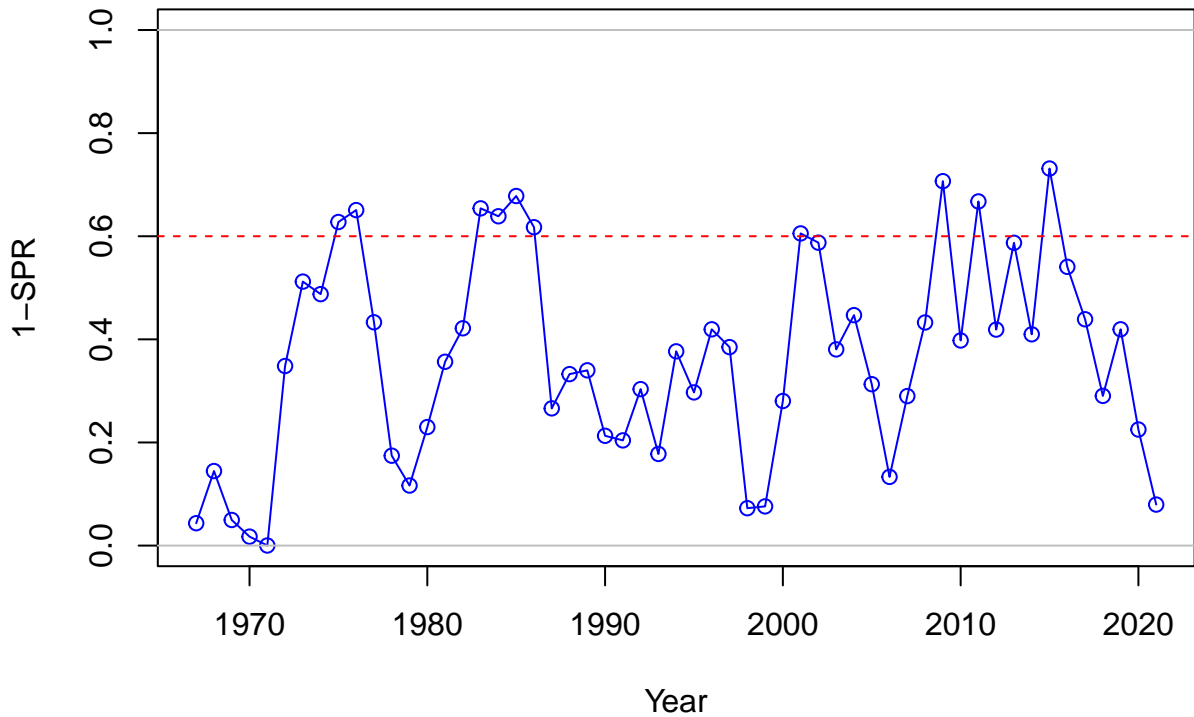




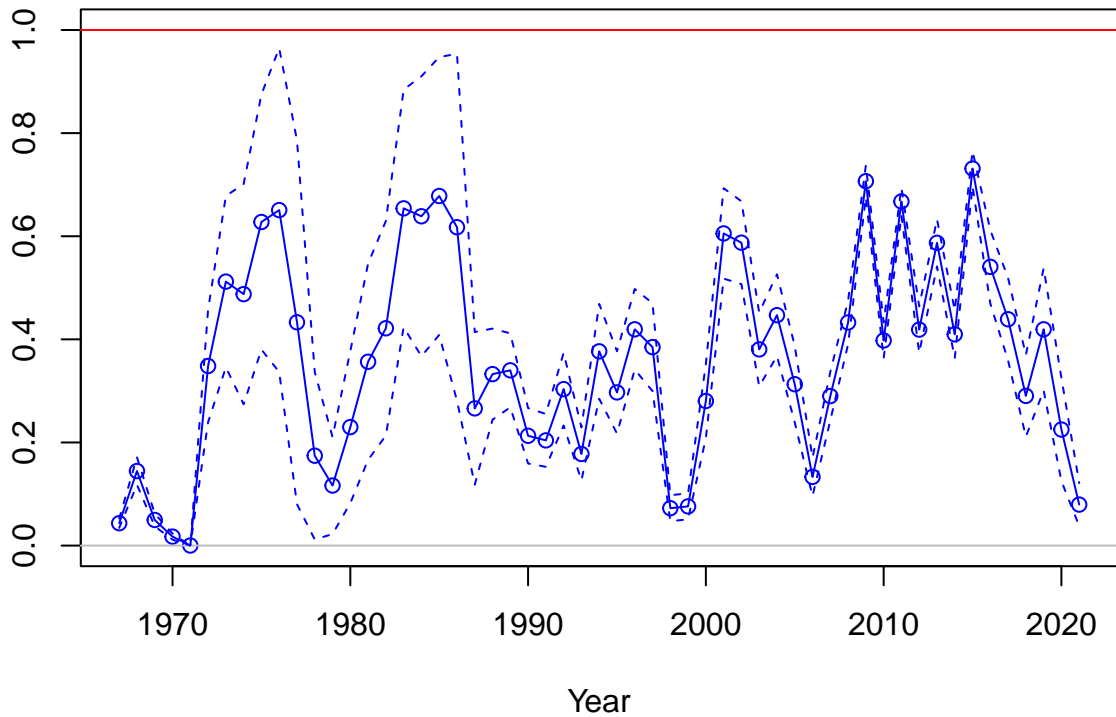


SPR

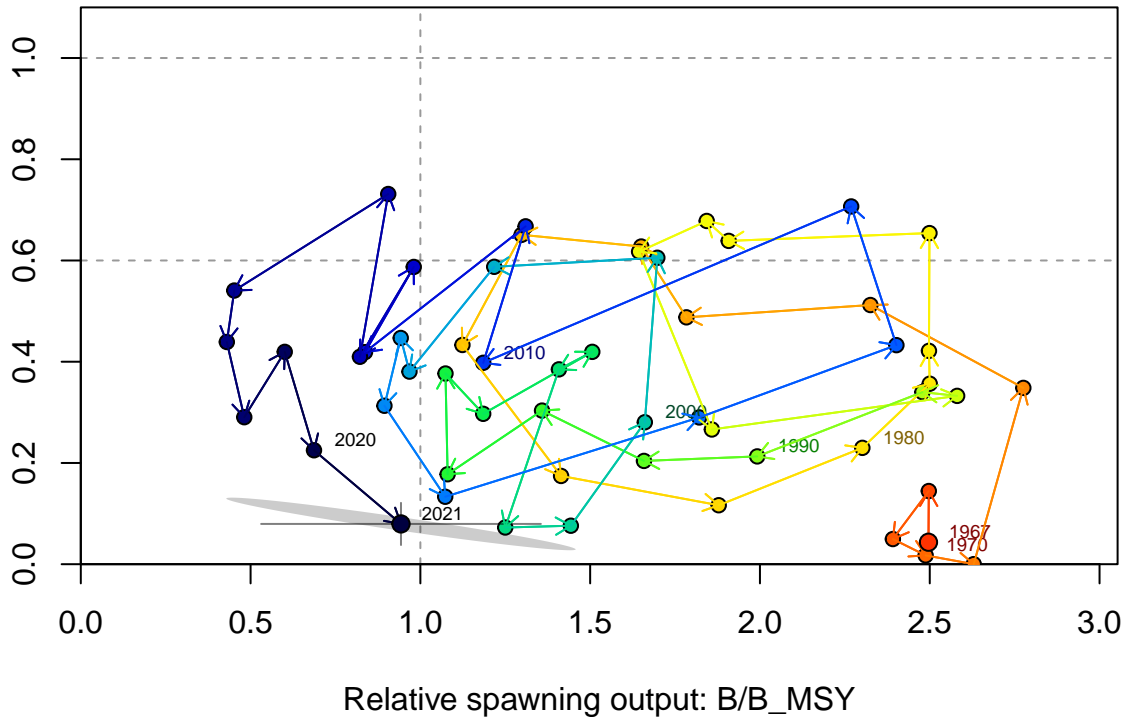


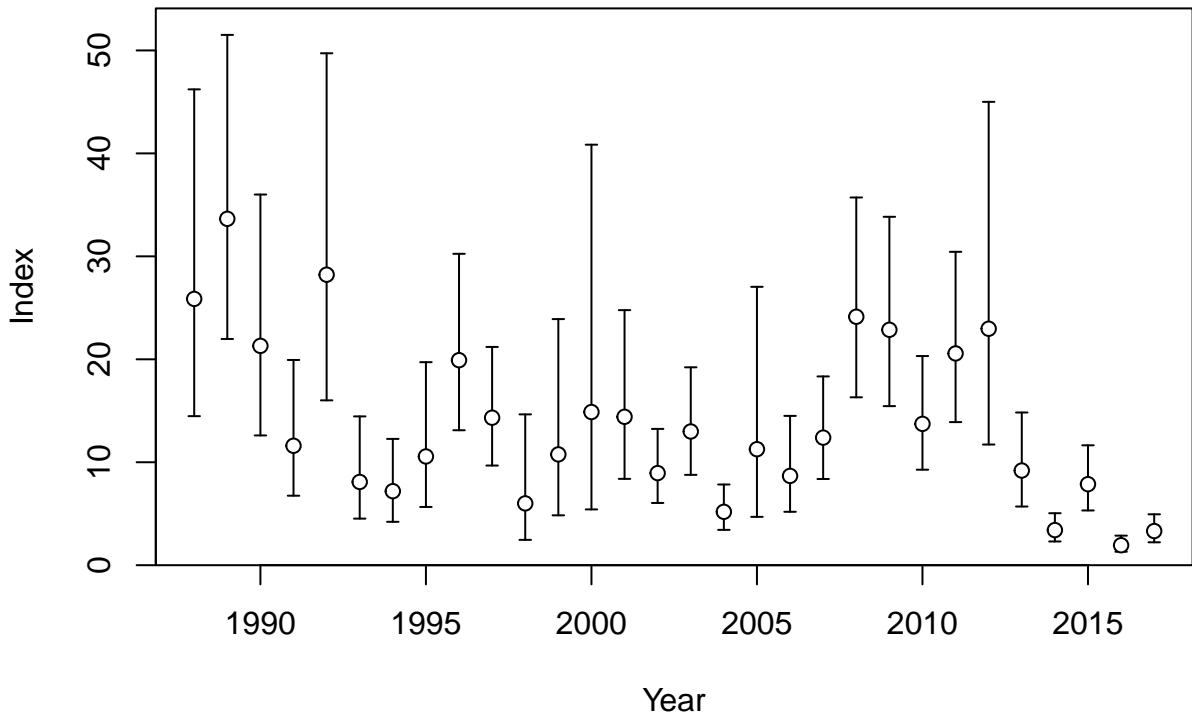


Fishing intensity: 1-SPR

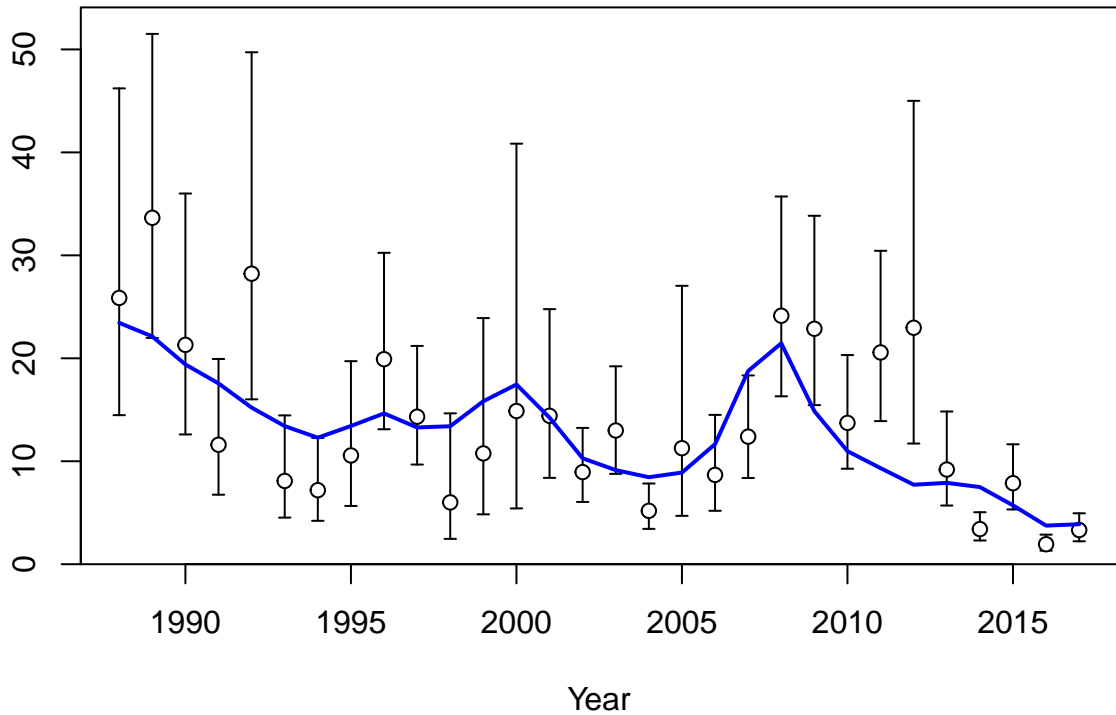


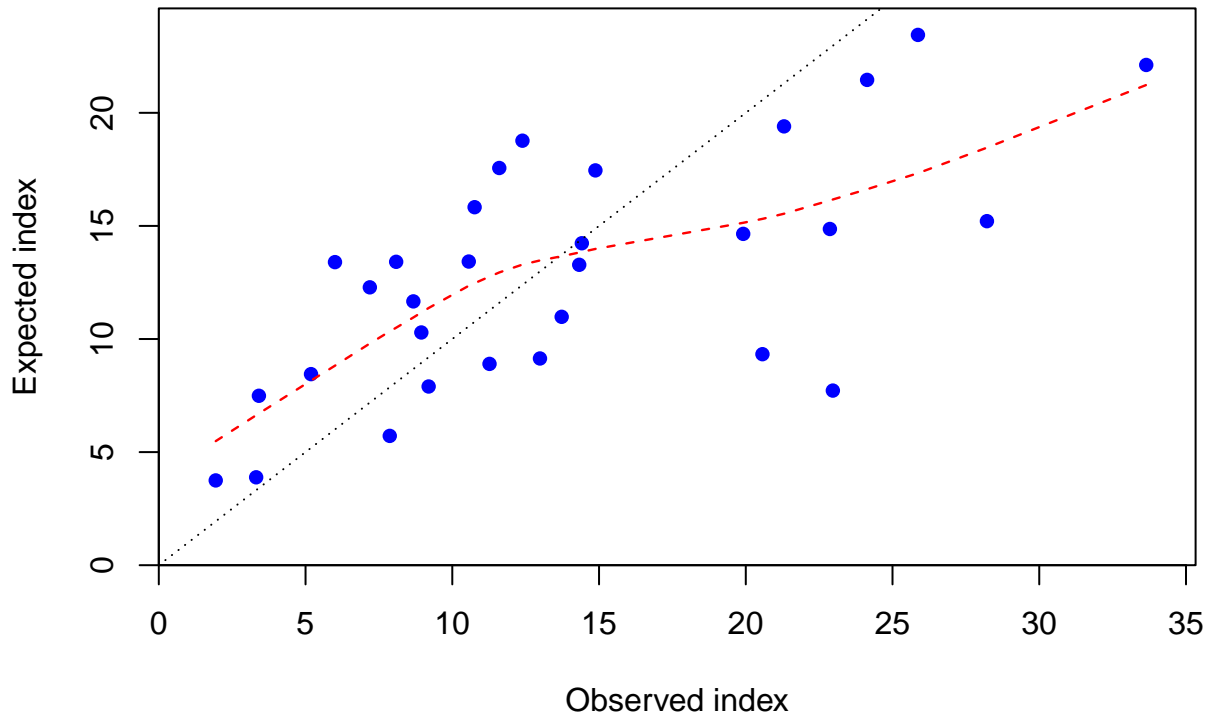
Fishing intensity: 1-SPR



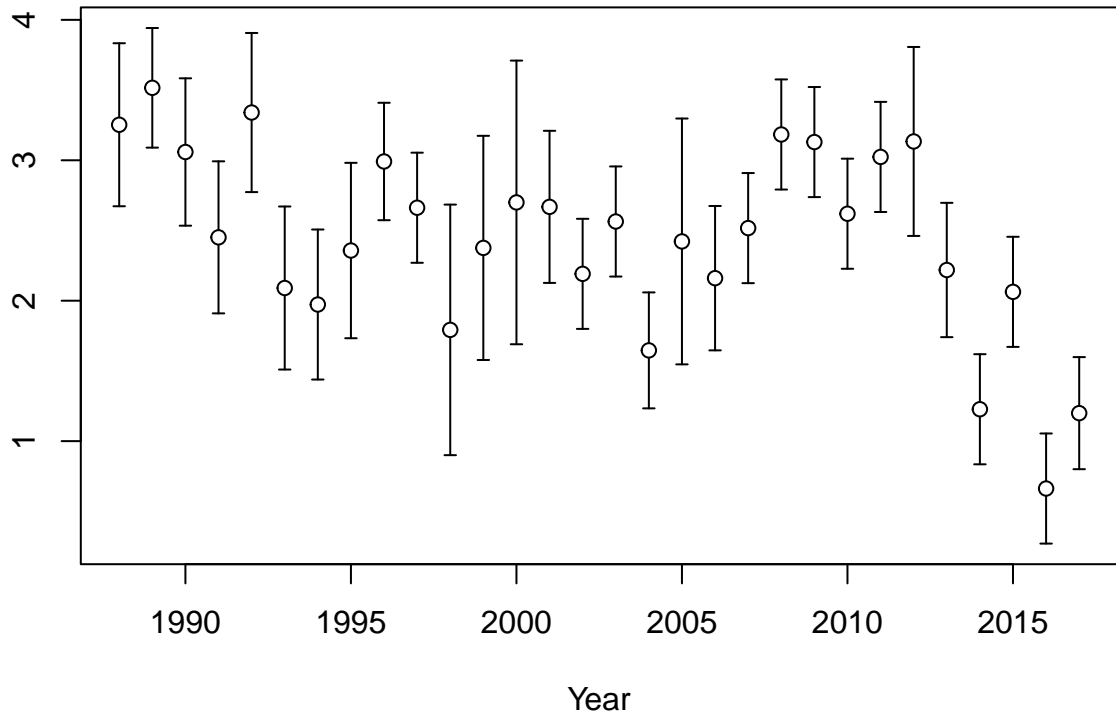


Index

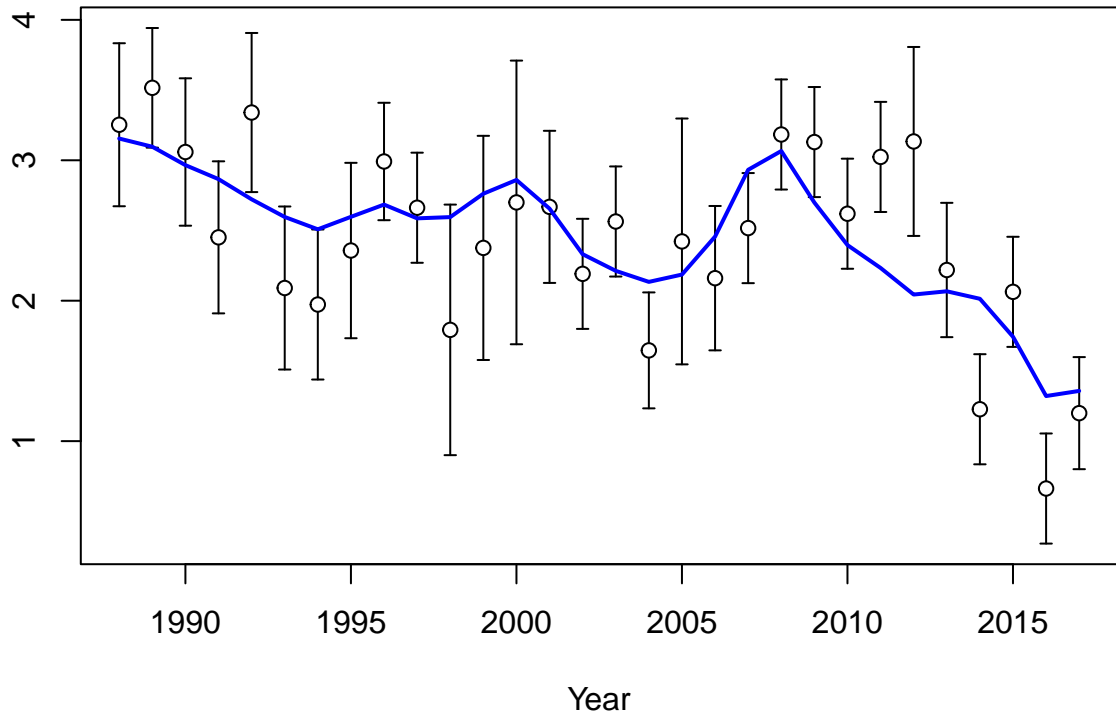


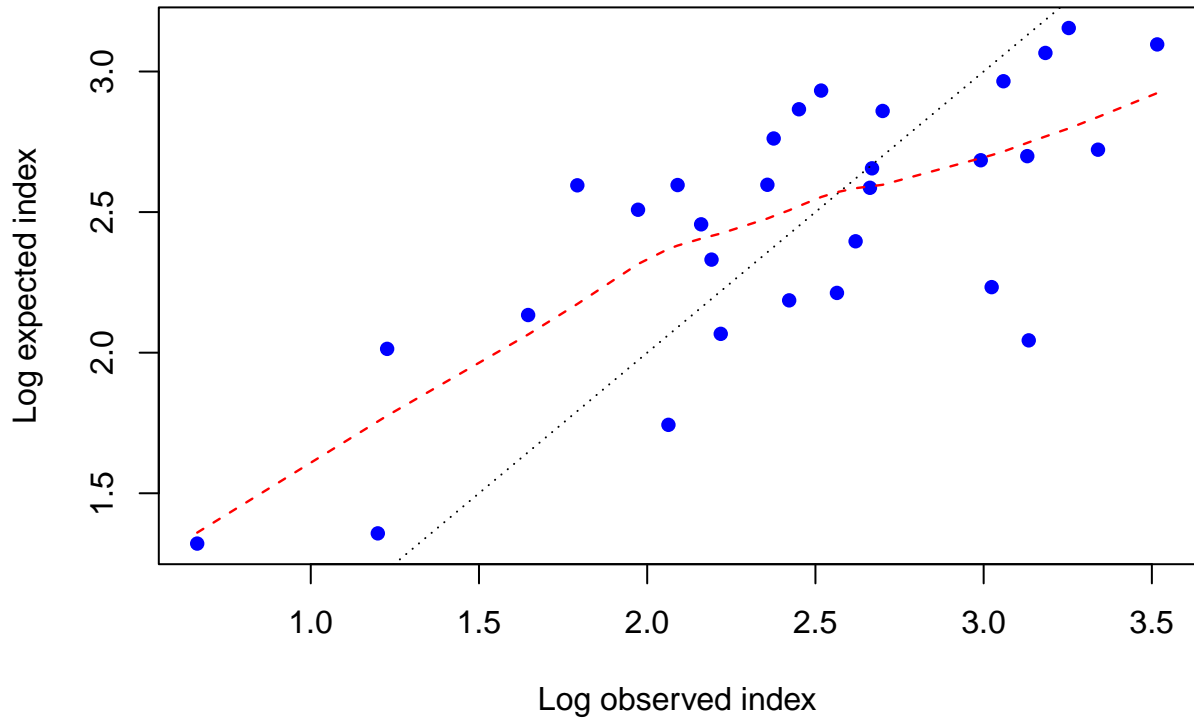


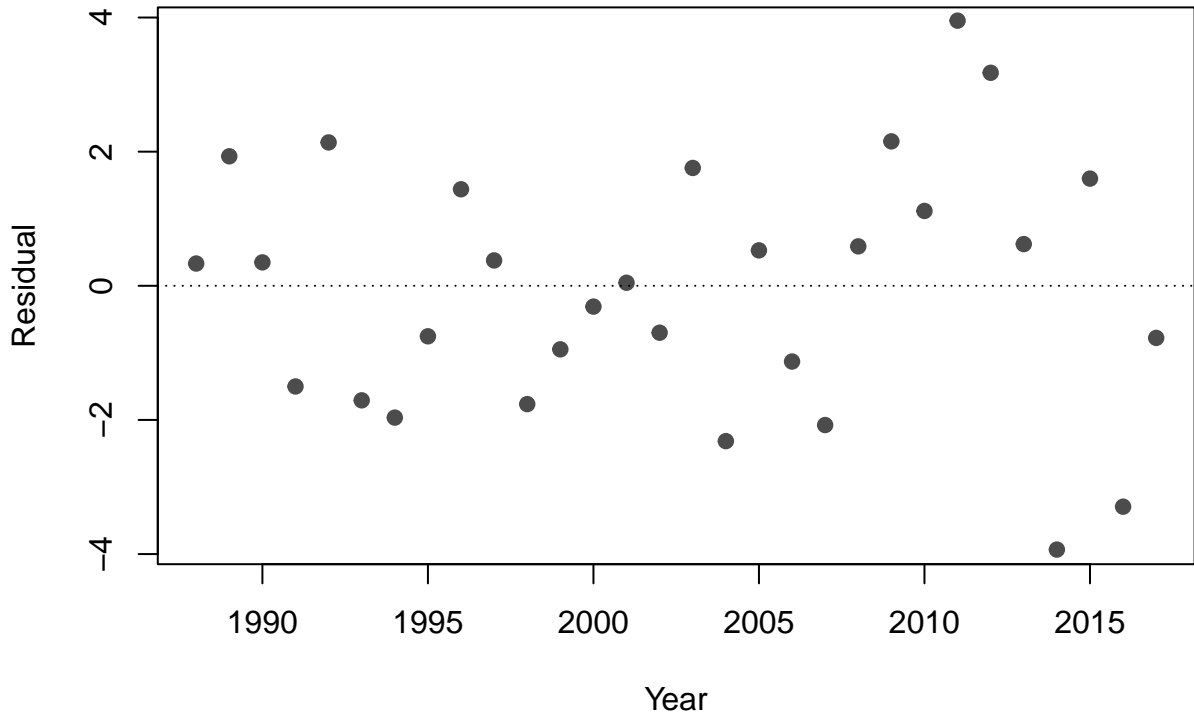
Log index

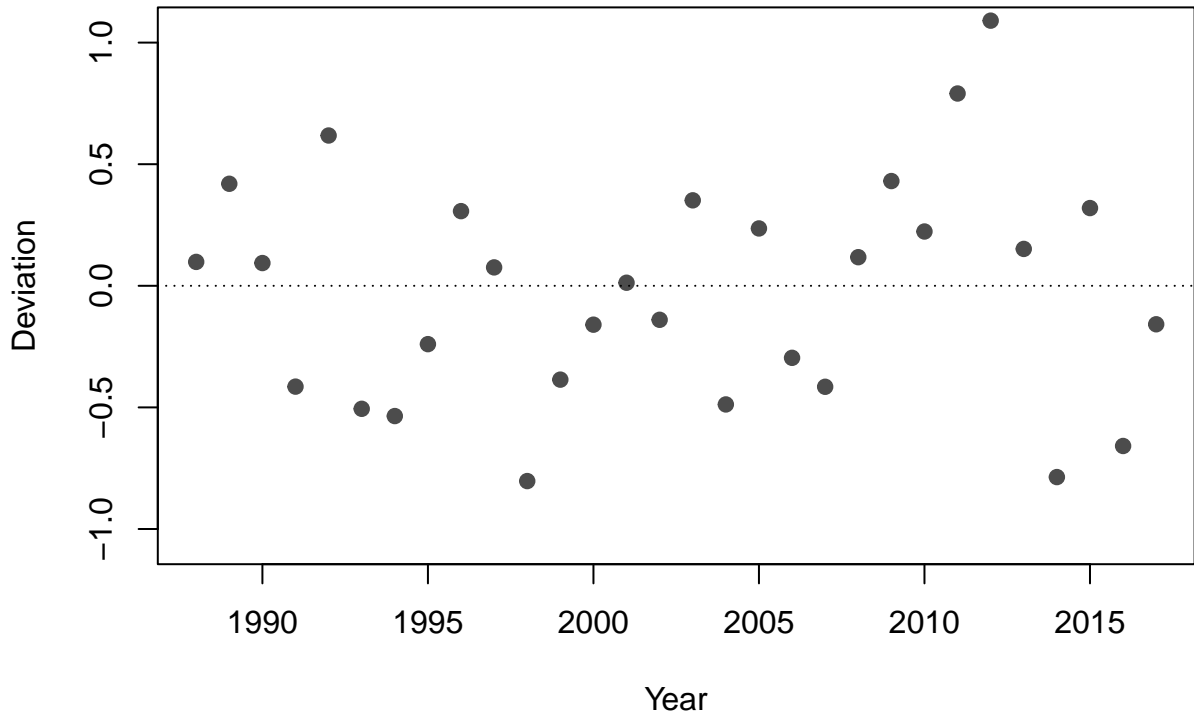


Log index

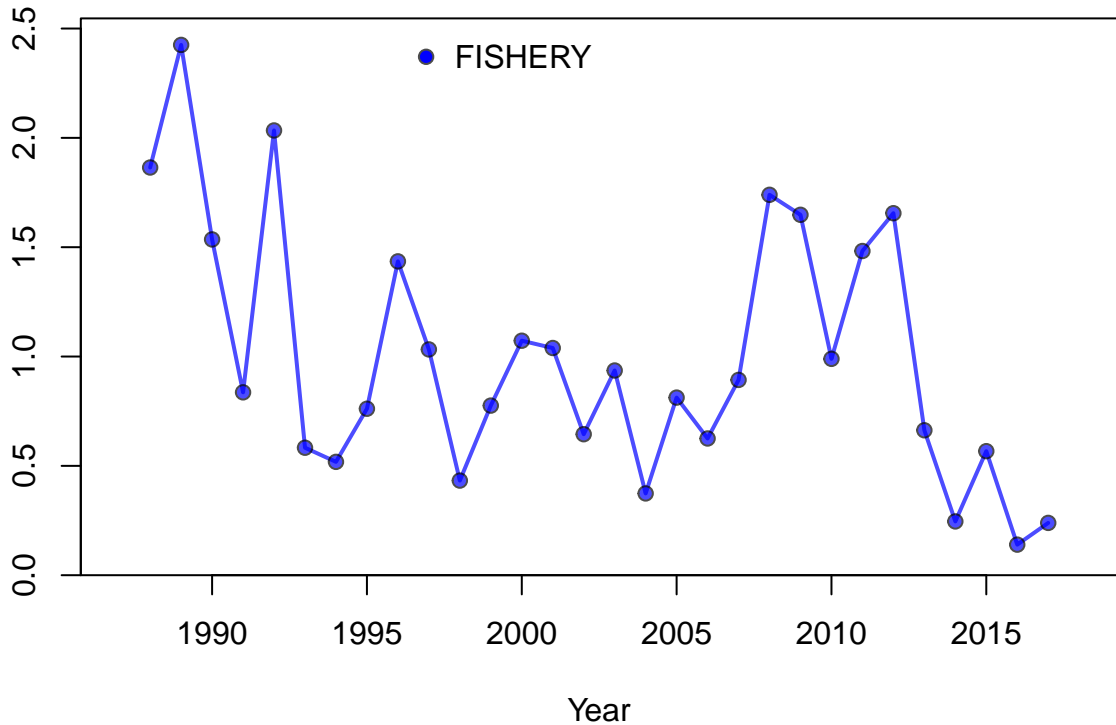




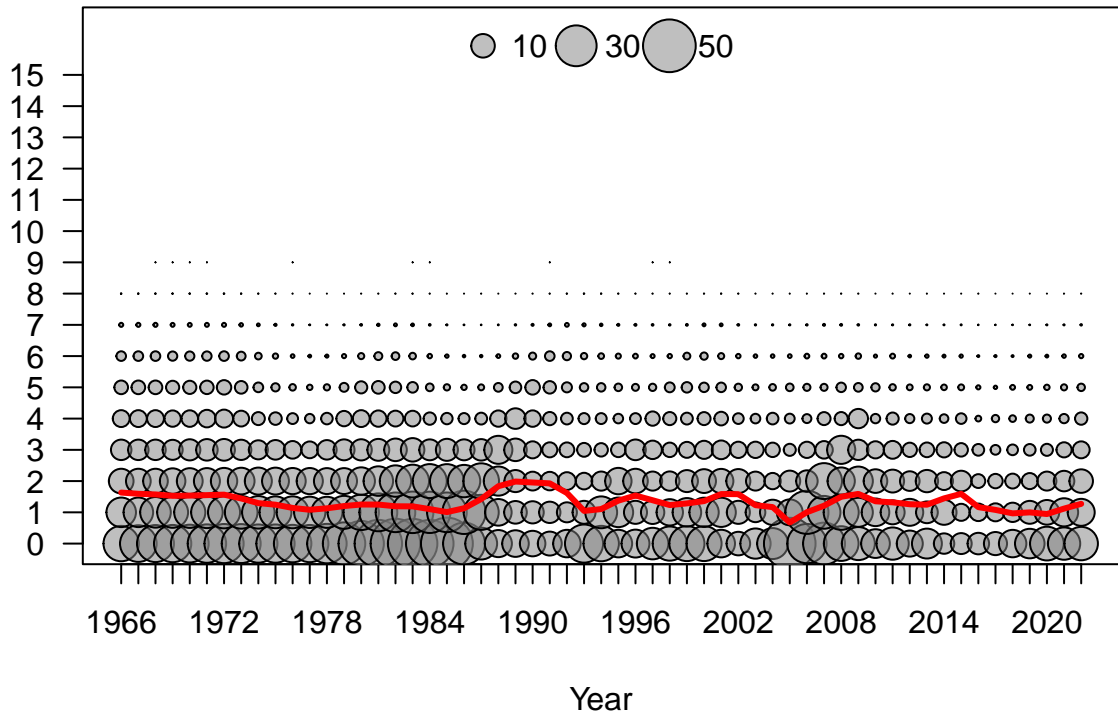


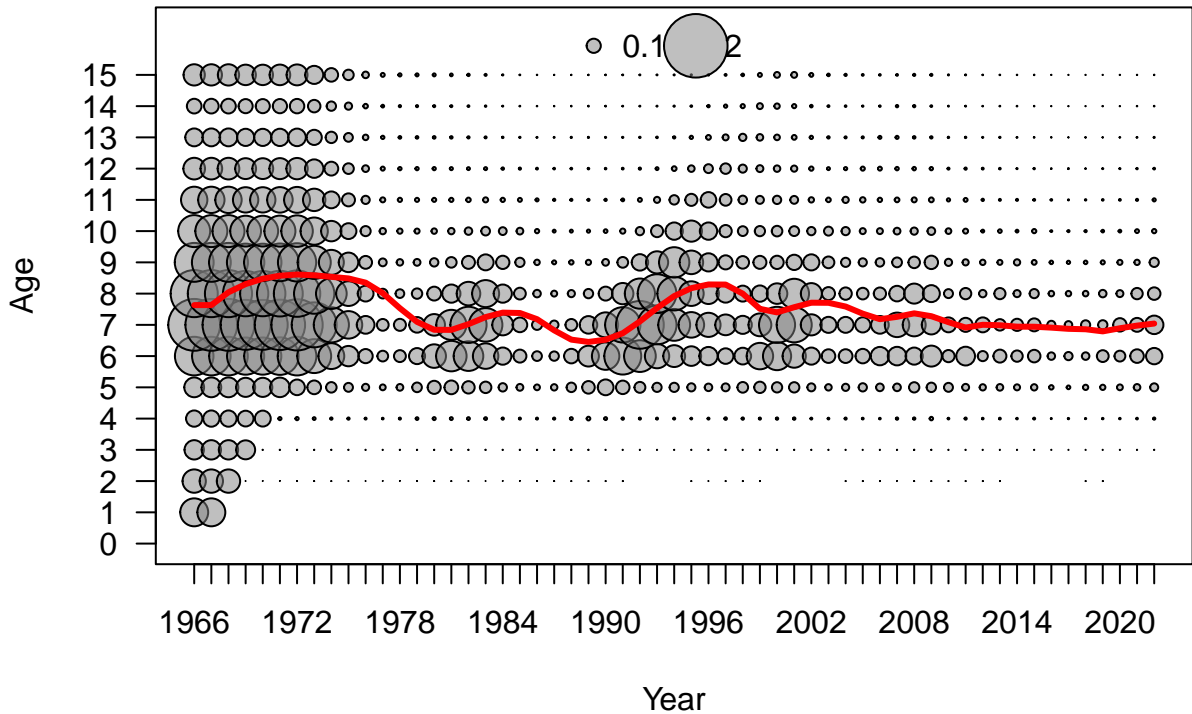


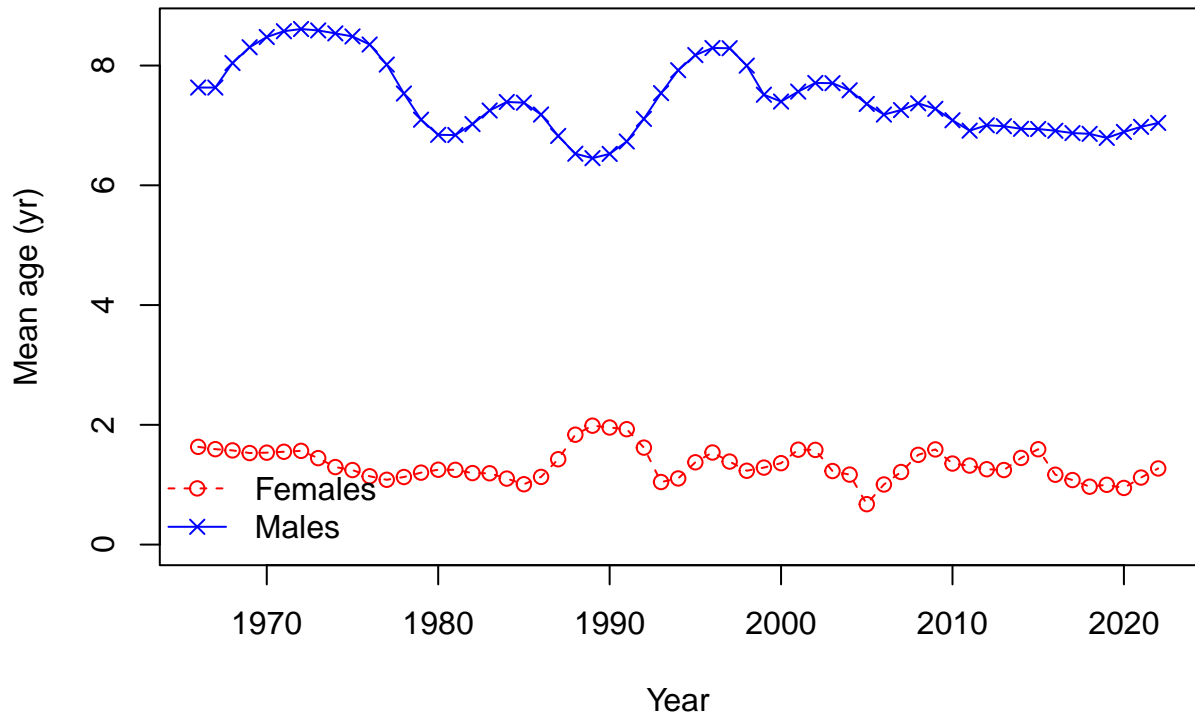
Standardized index



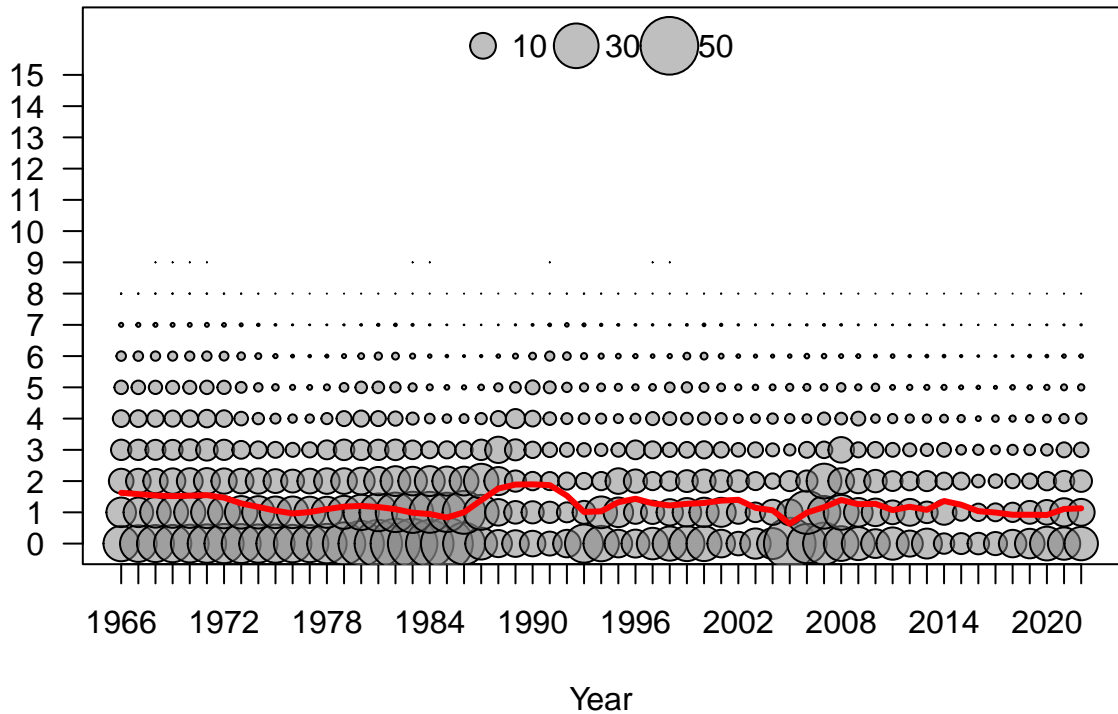
Age

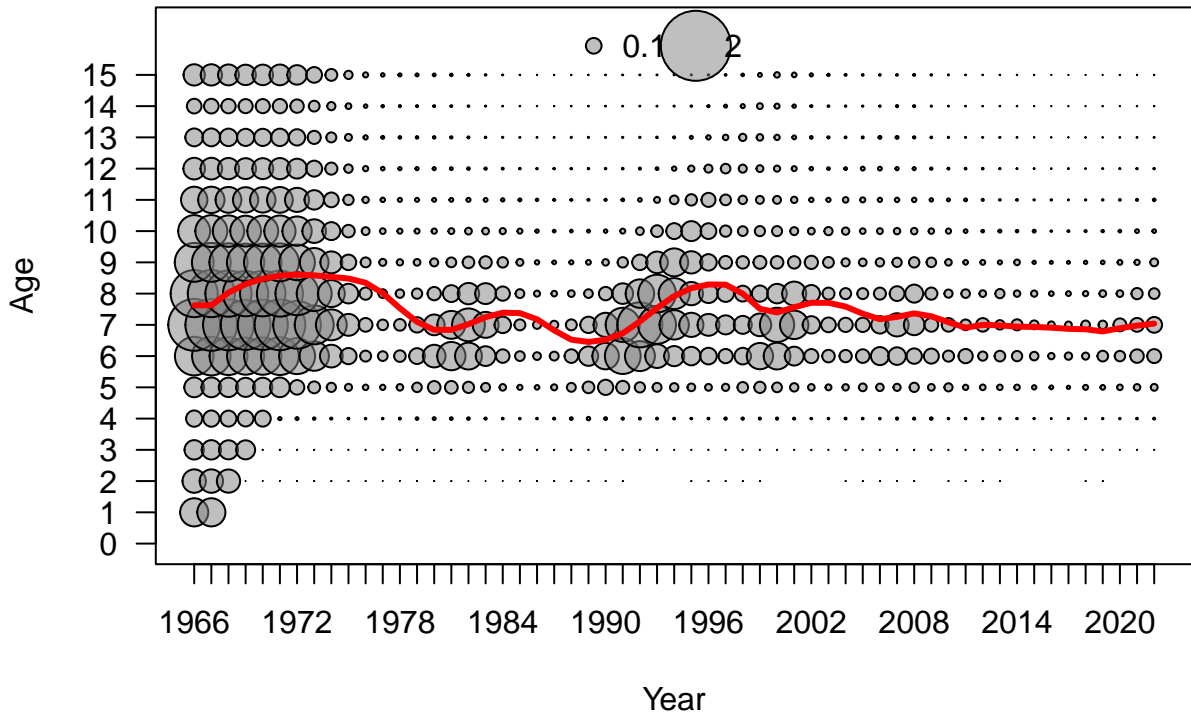


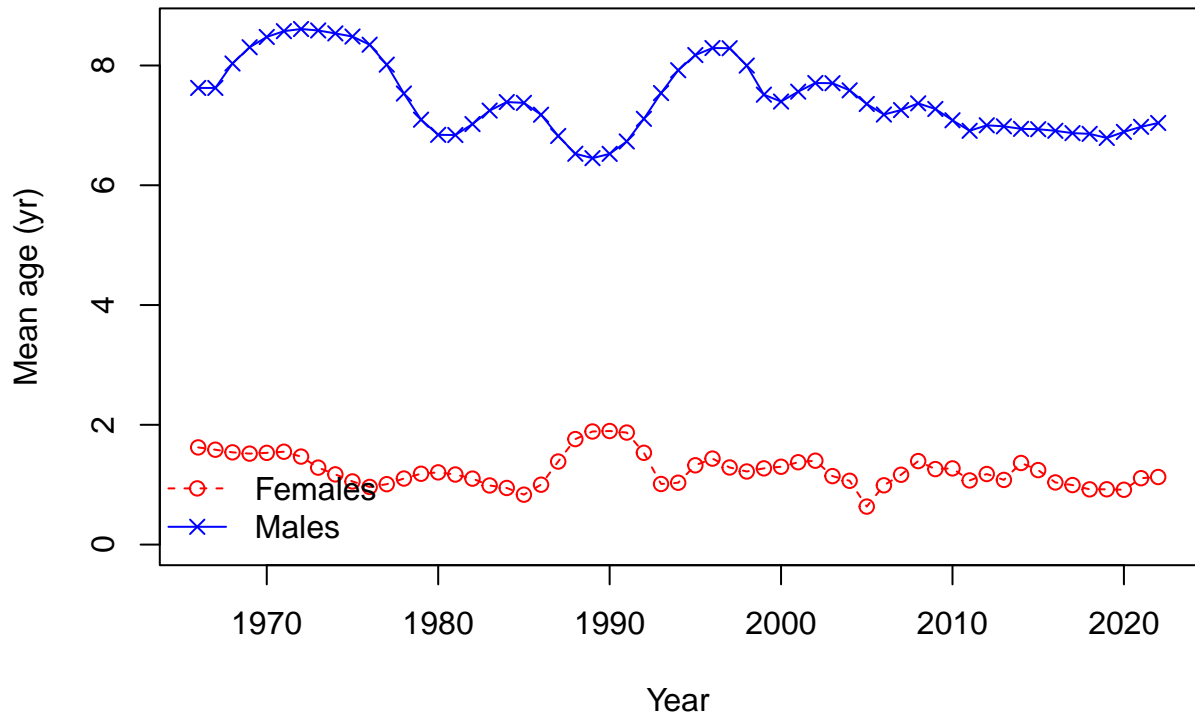




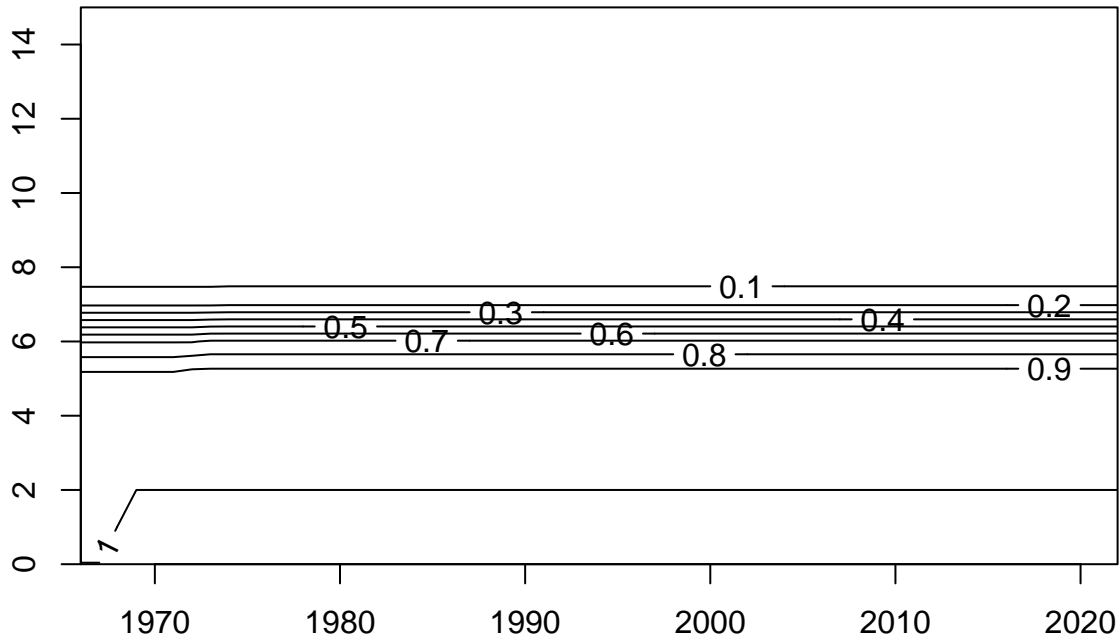
Age



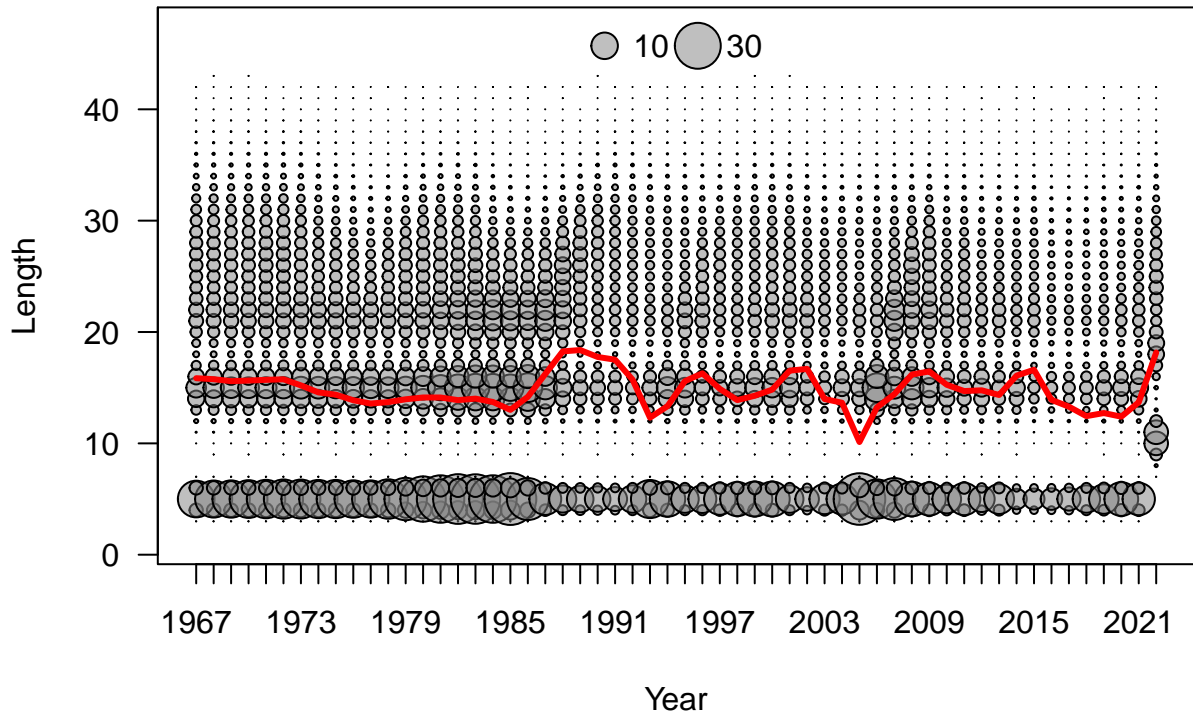


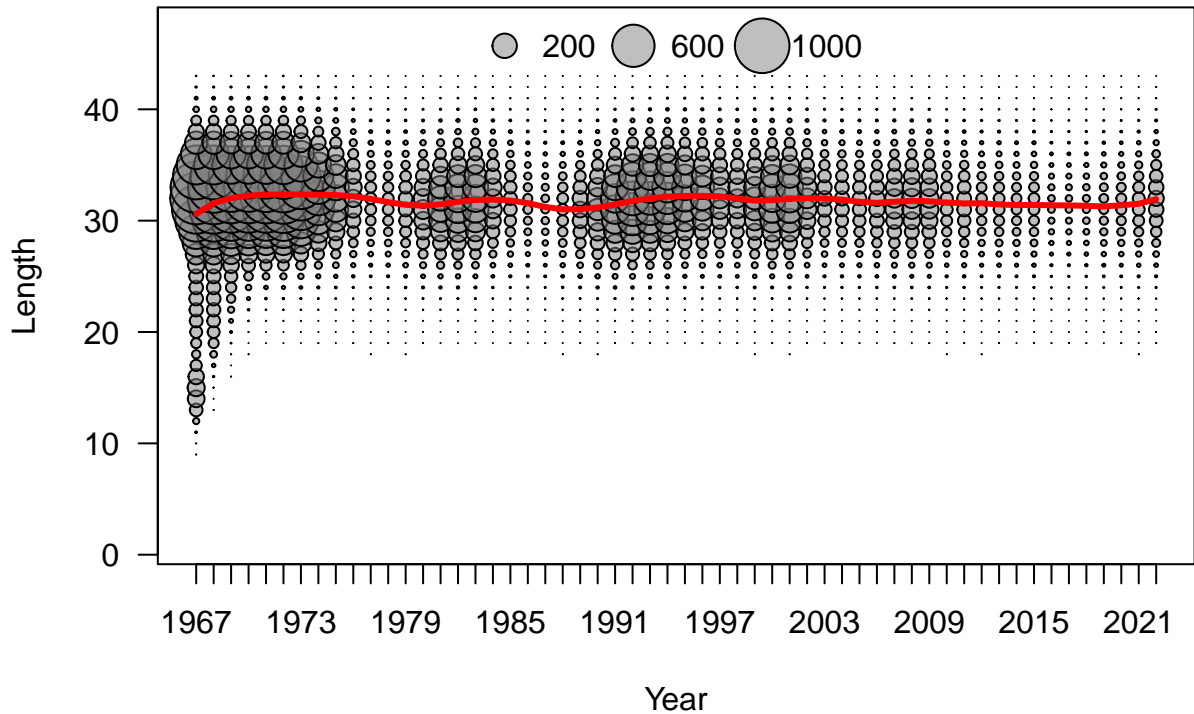


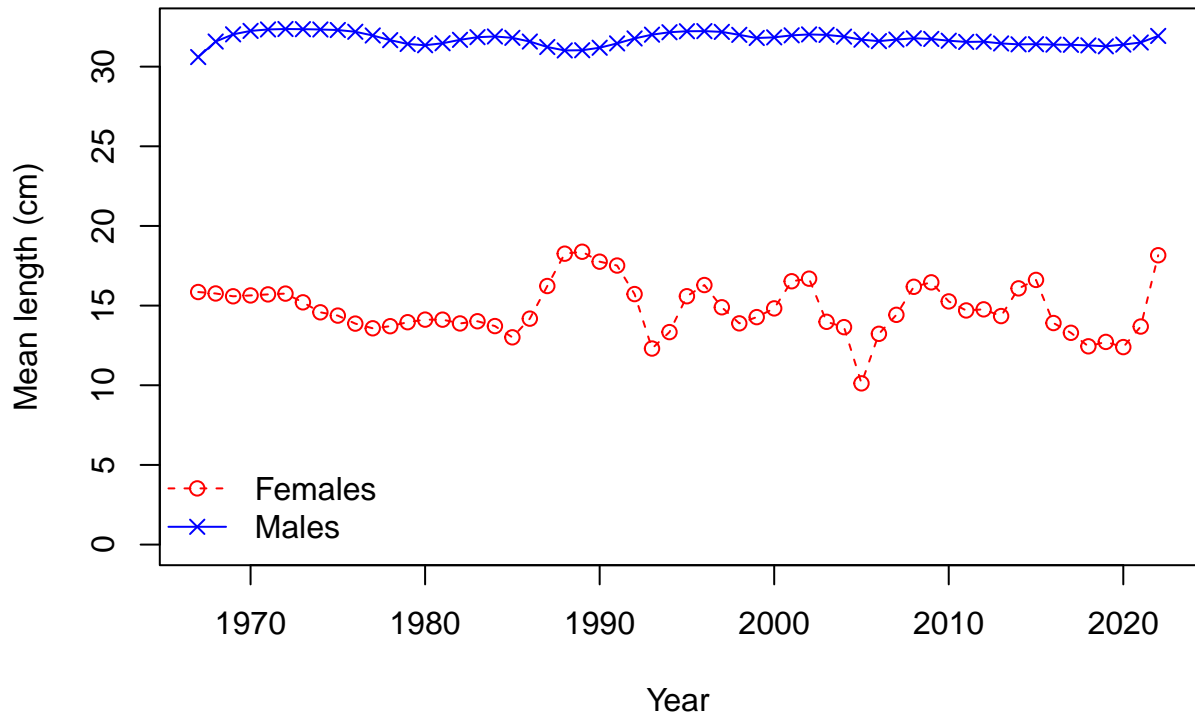
Age

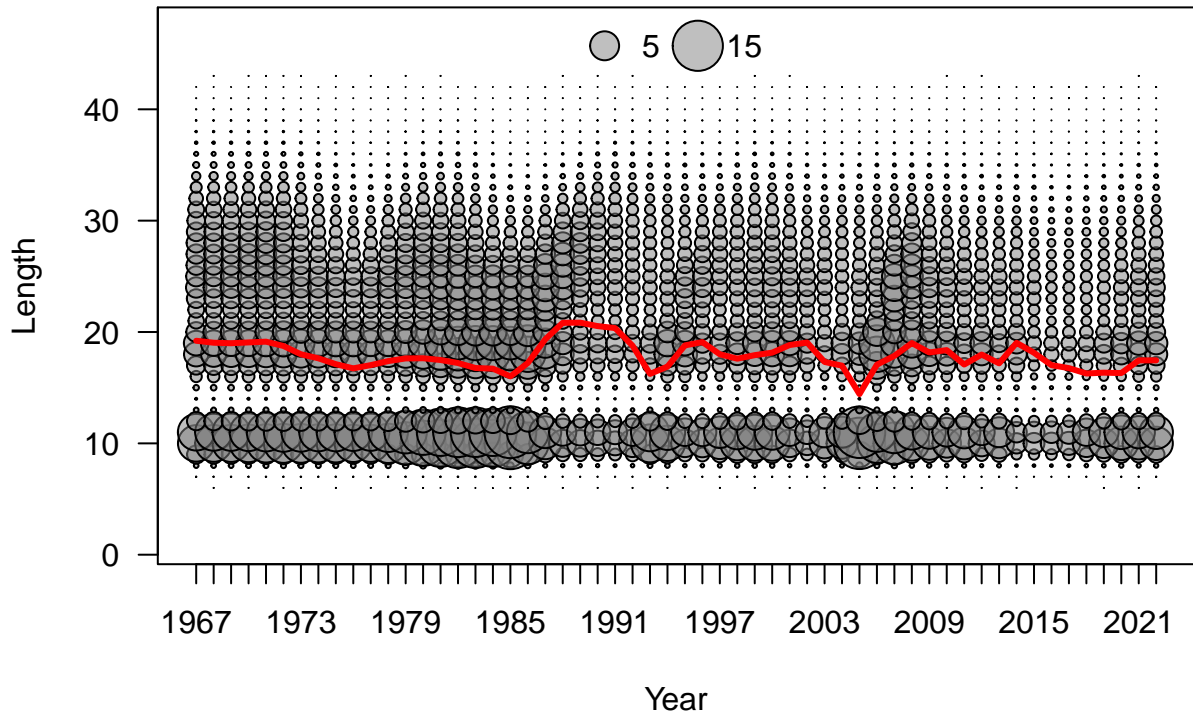


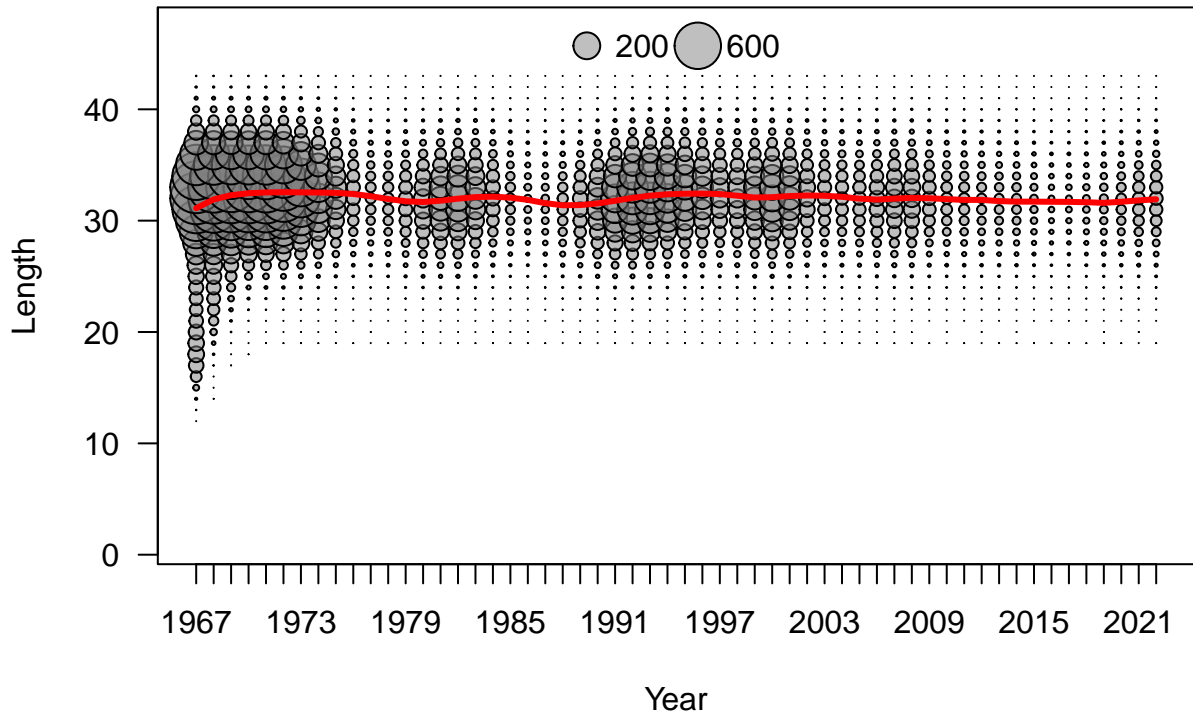
Year

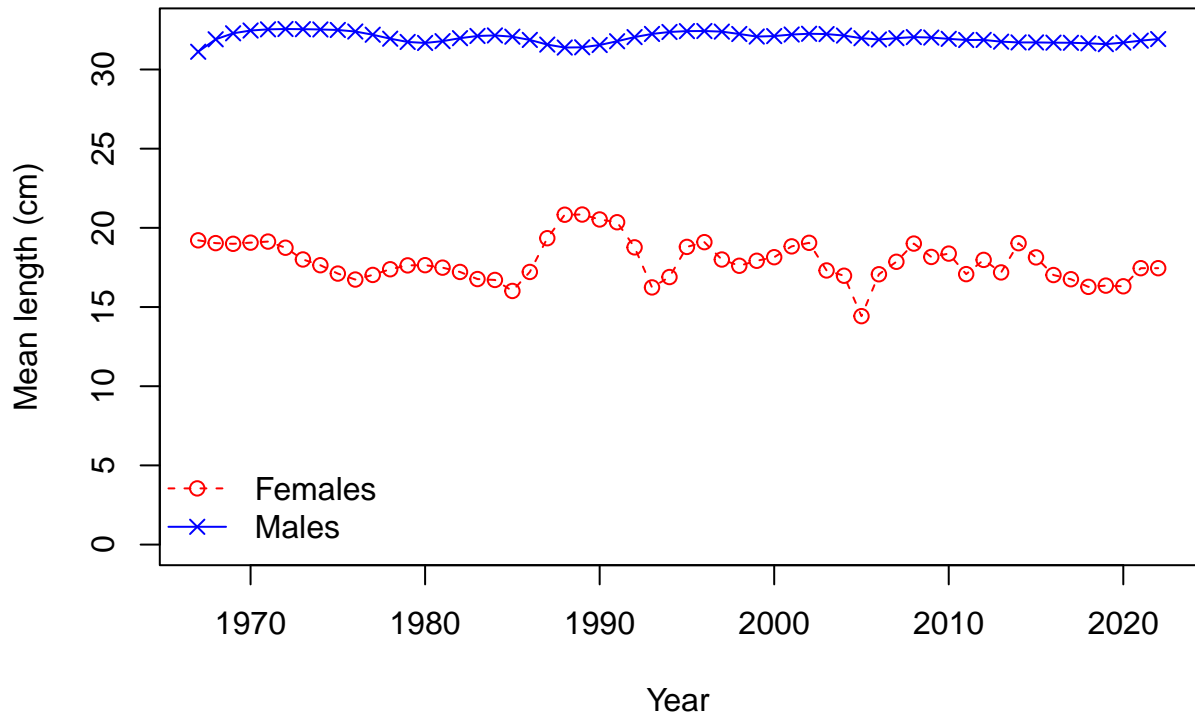




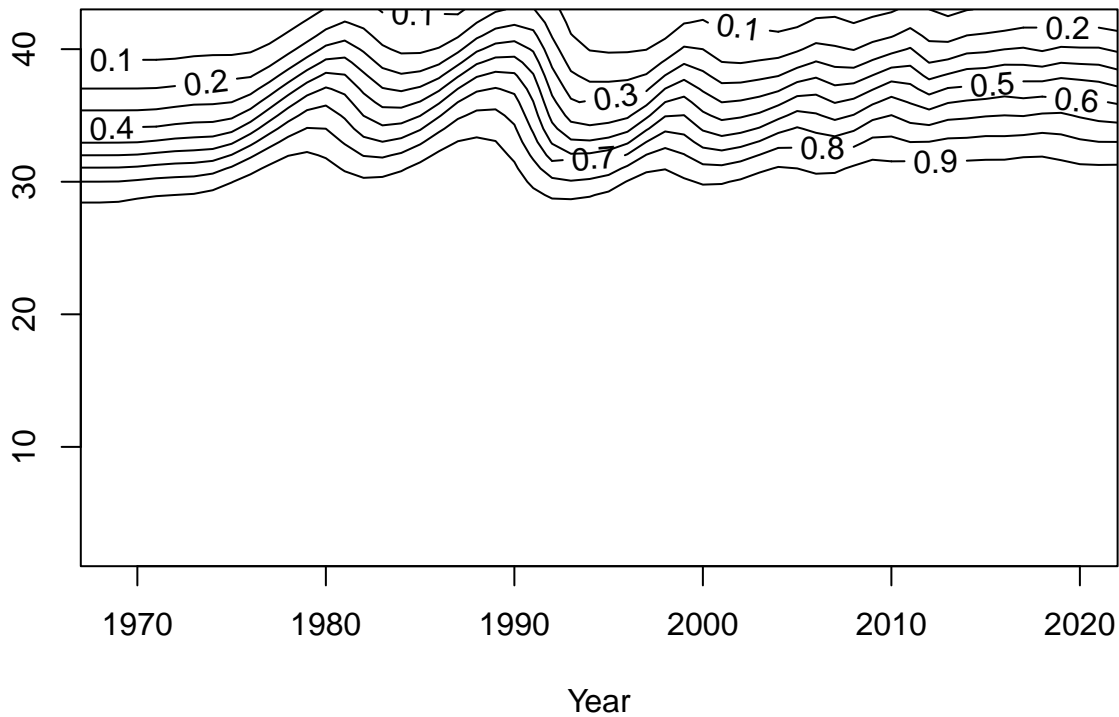


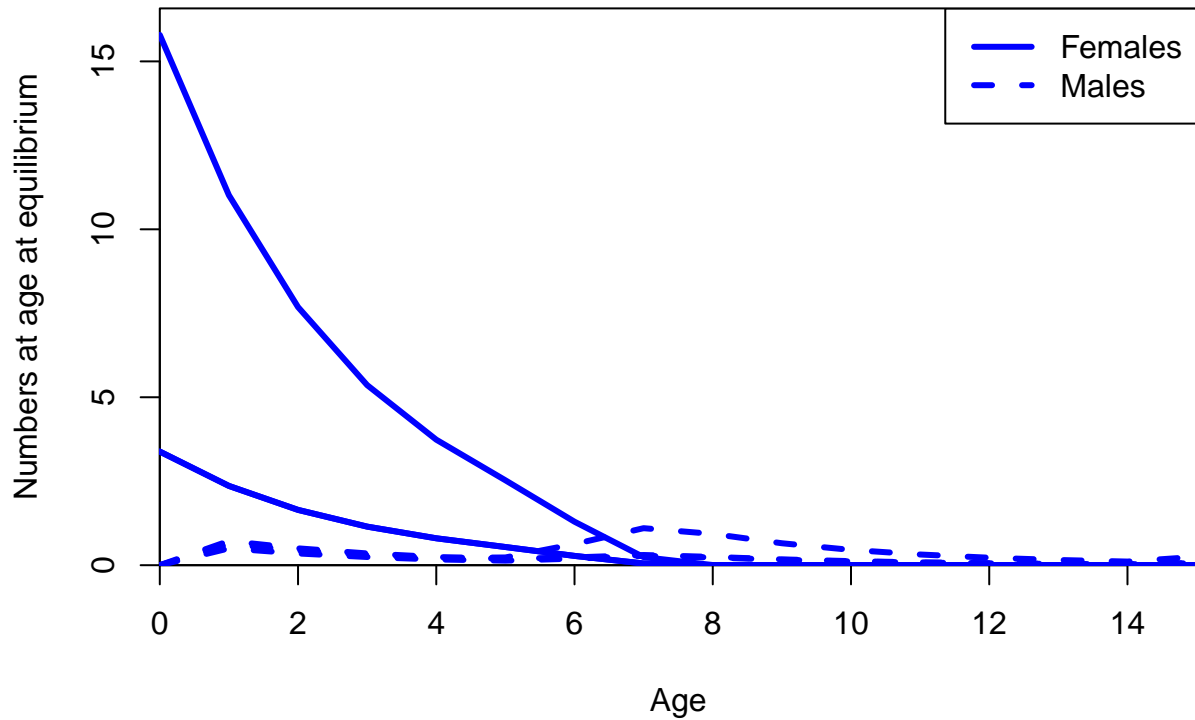






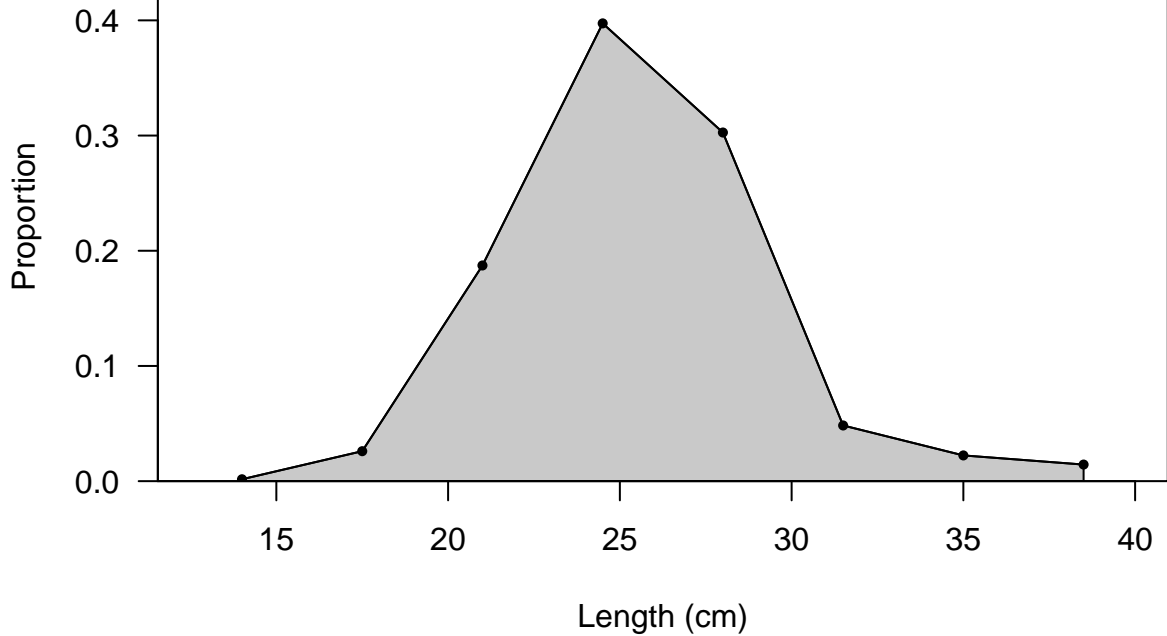
Length





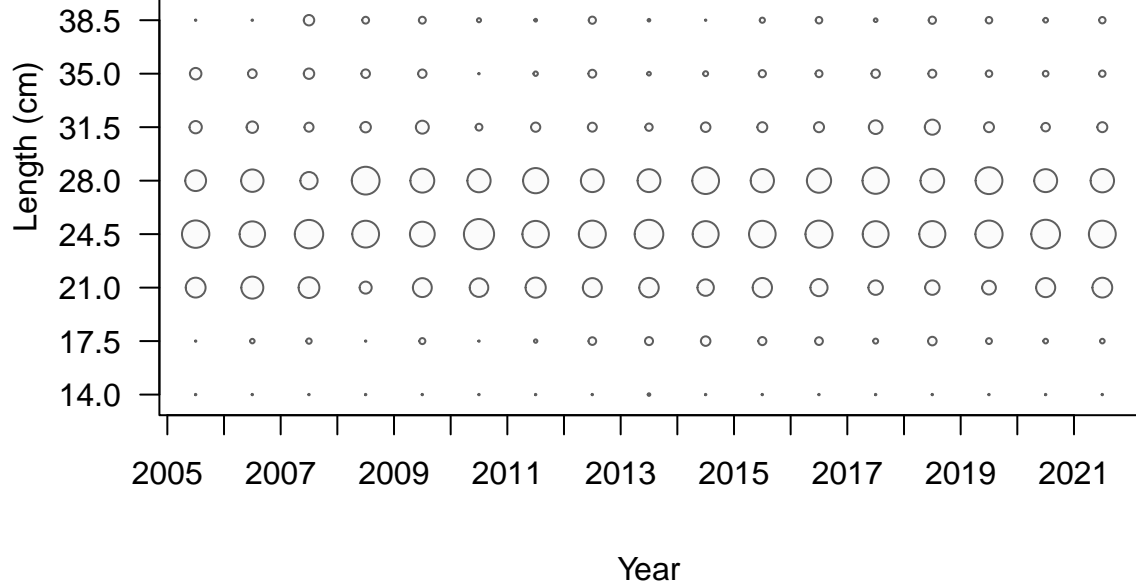
FISHERY

Sum of N input=5953

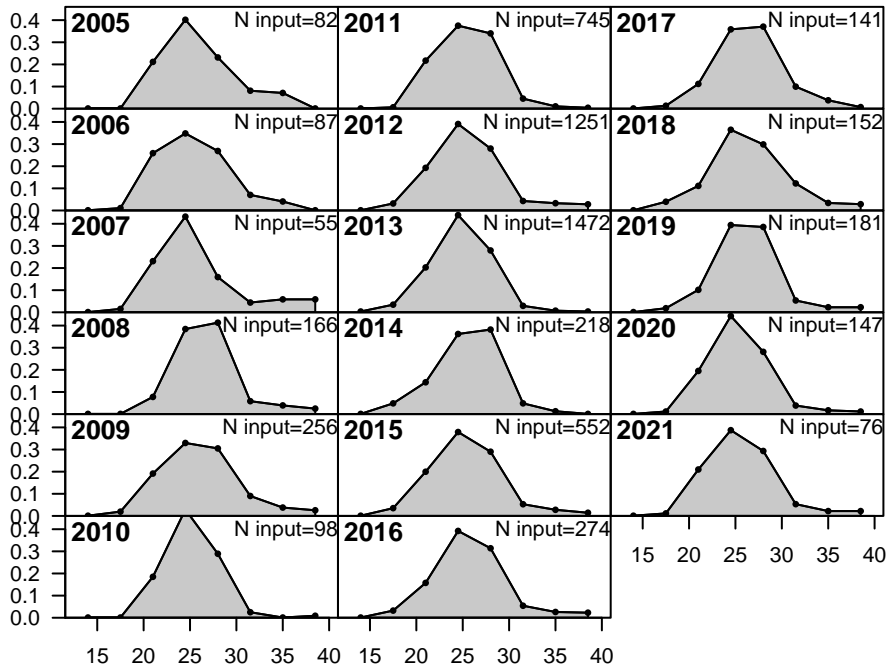


FISHERY

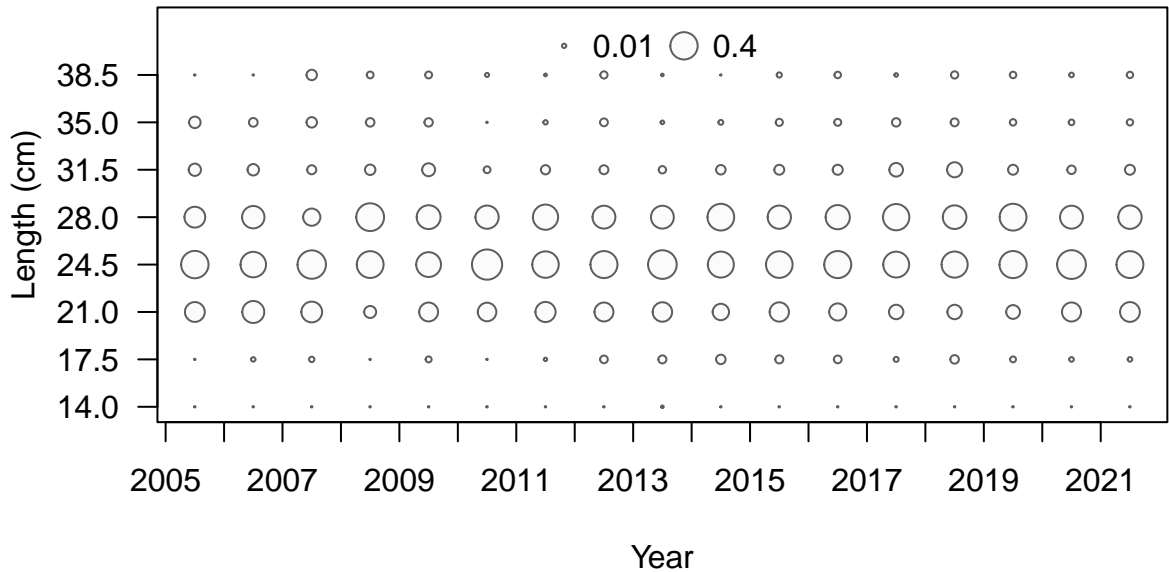
◦ 0.01 ○ 0.4



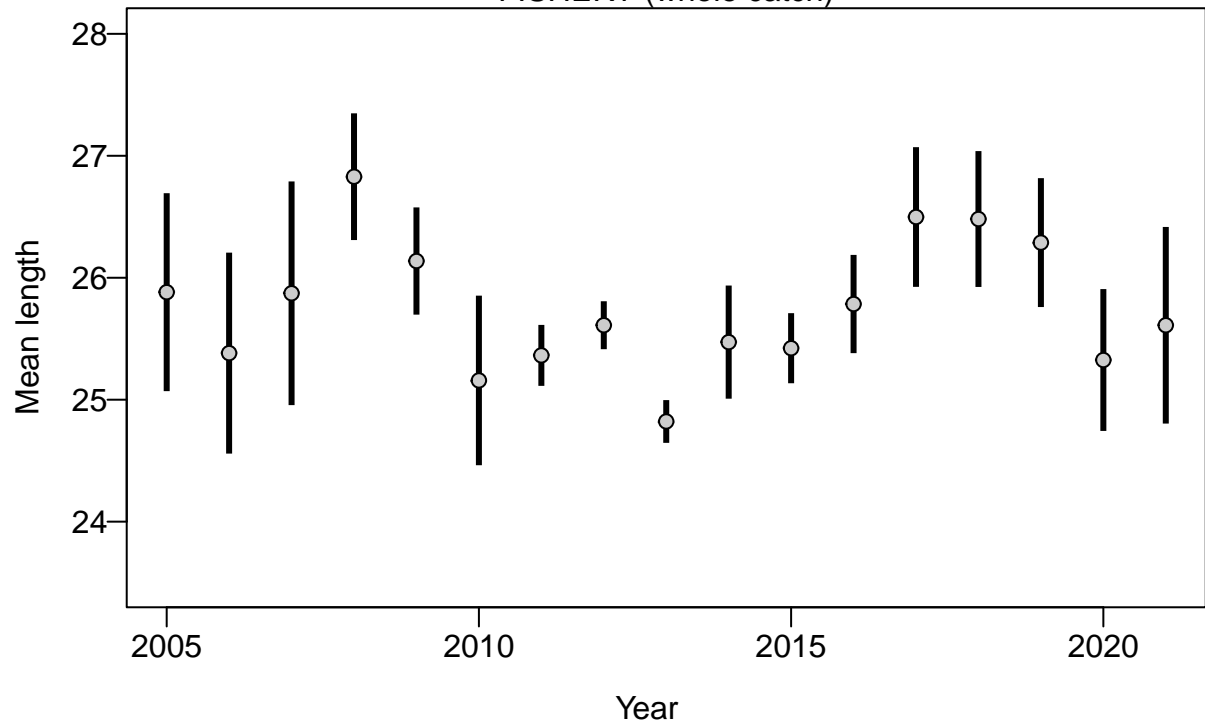
Proportion

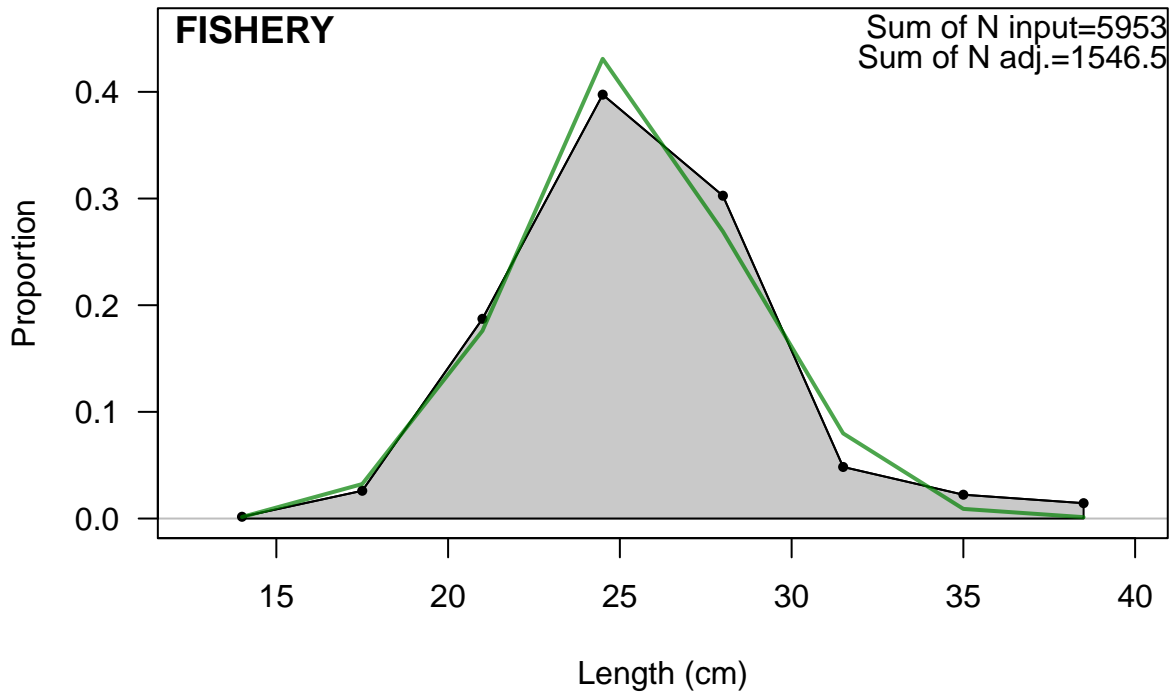


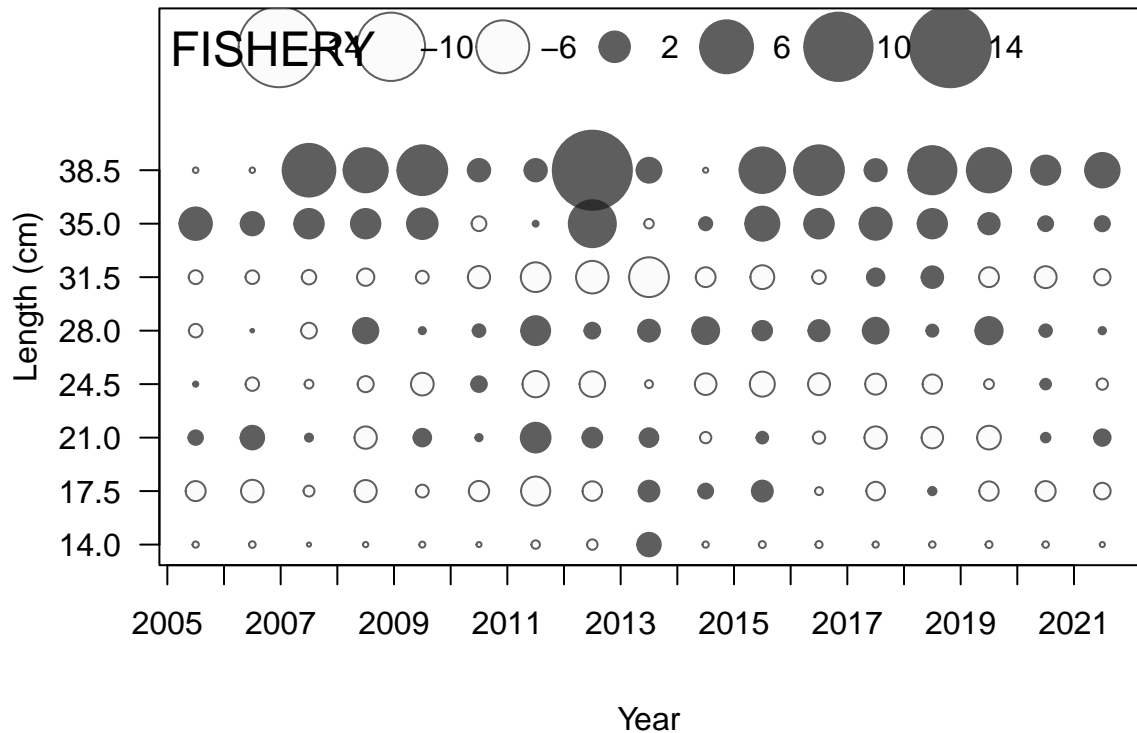
Length (cm)



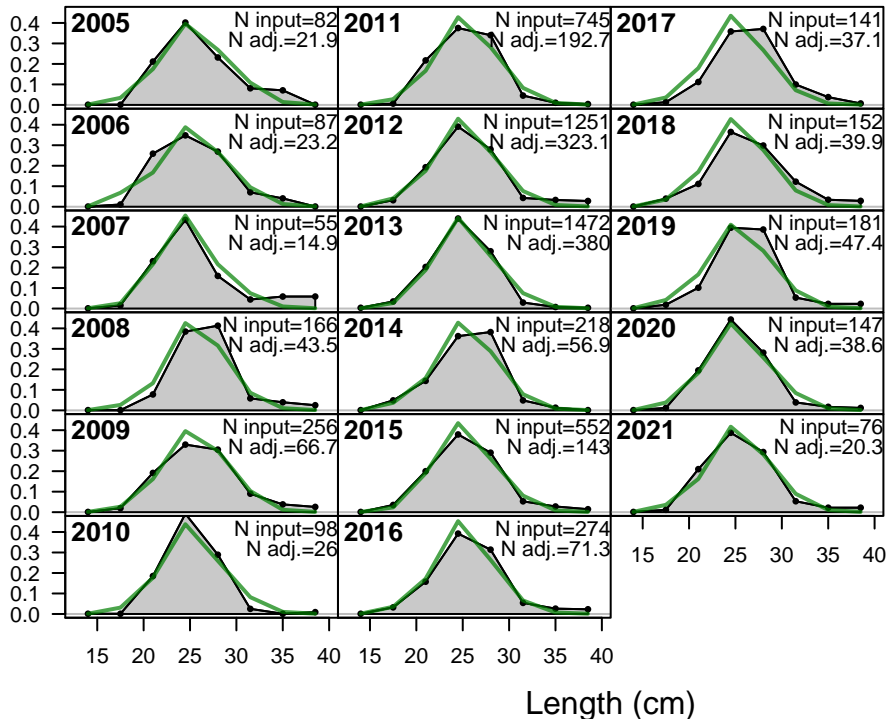
FISHERY (whole catch)

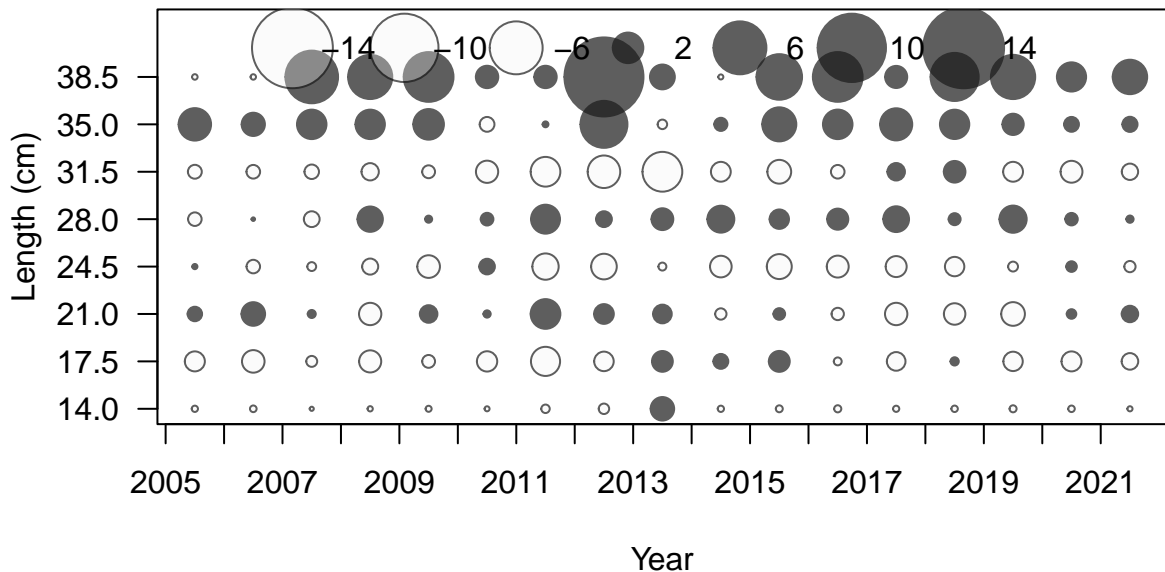




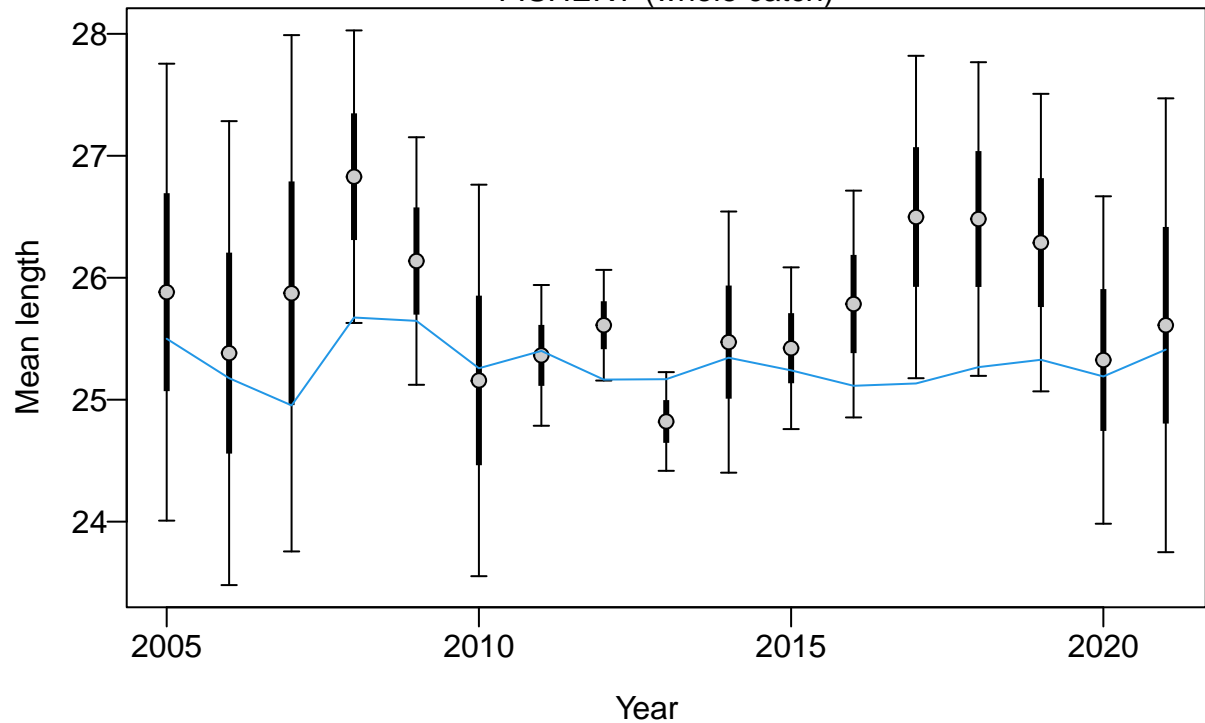


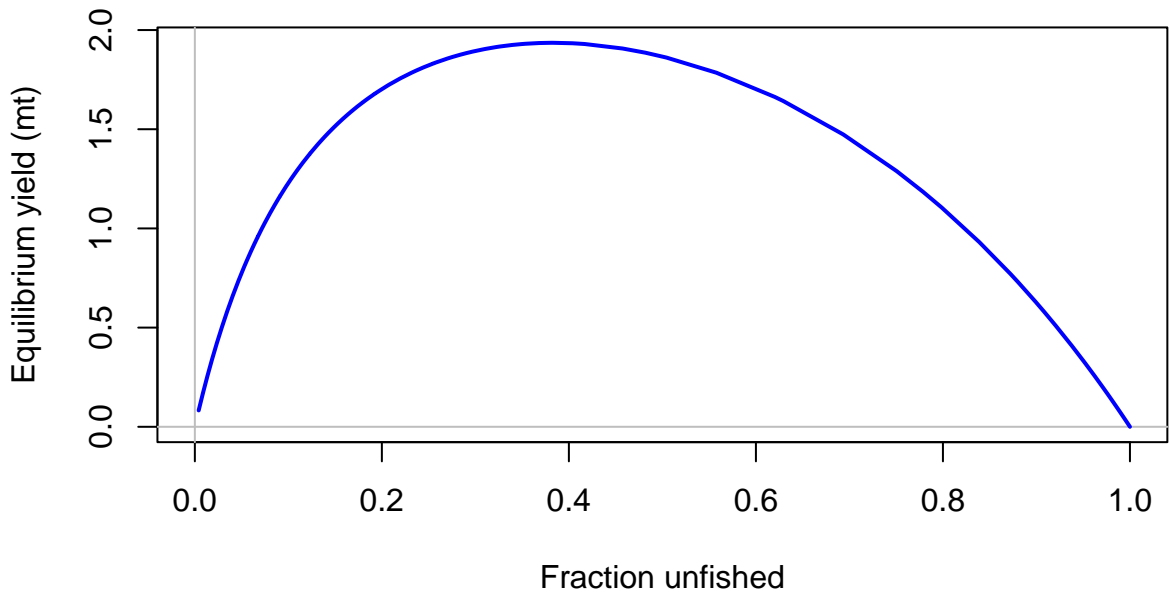
Proportion

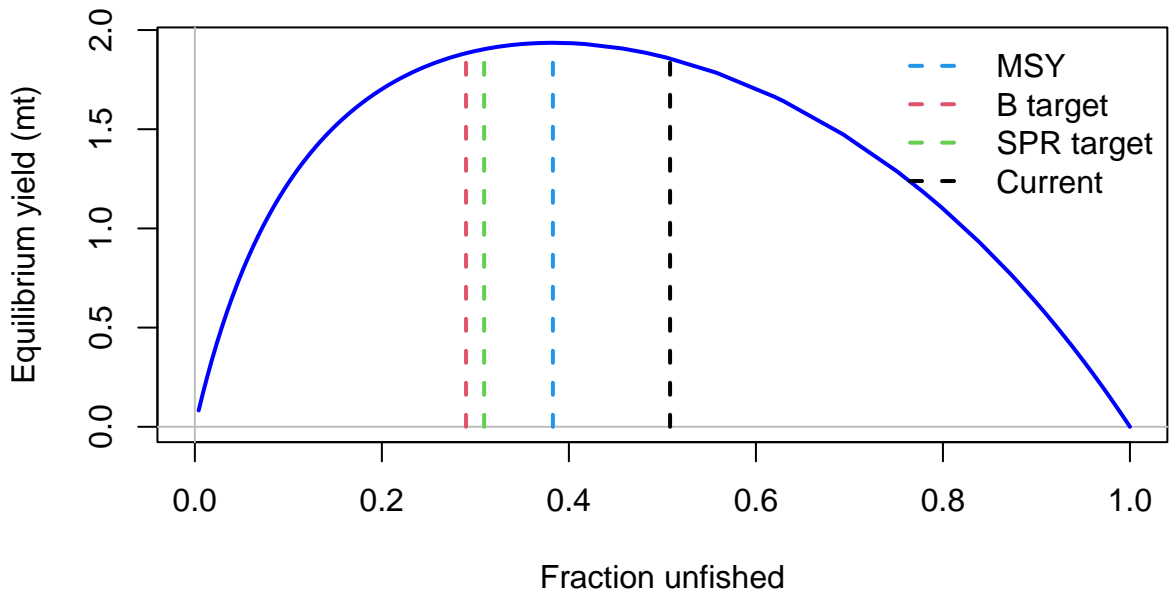


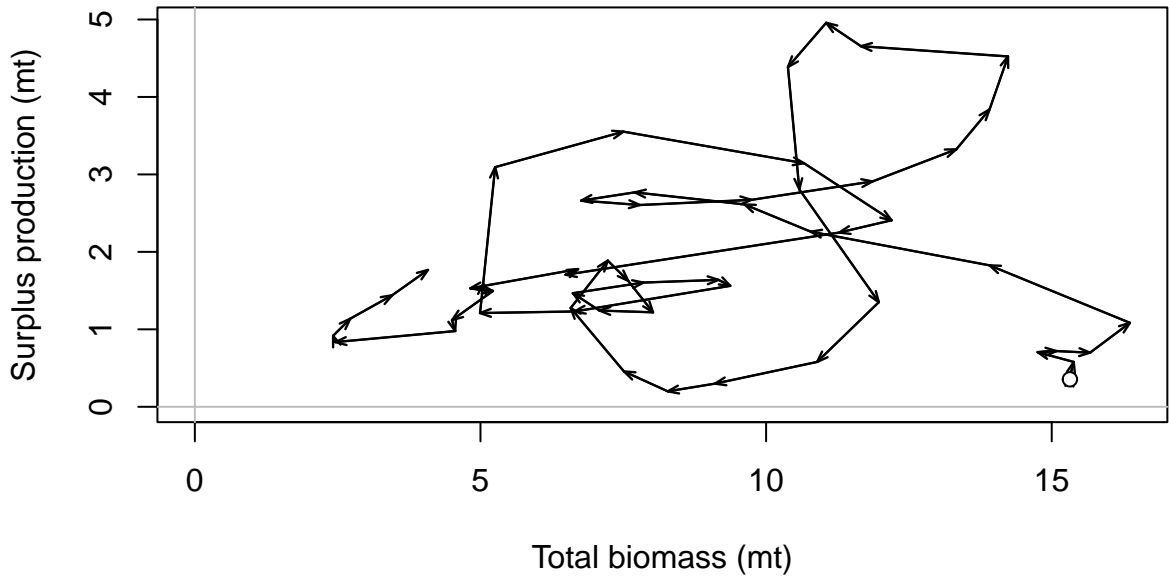


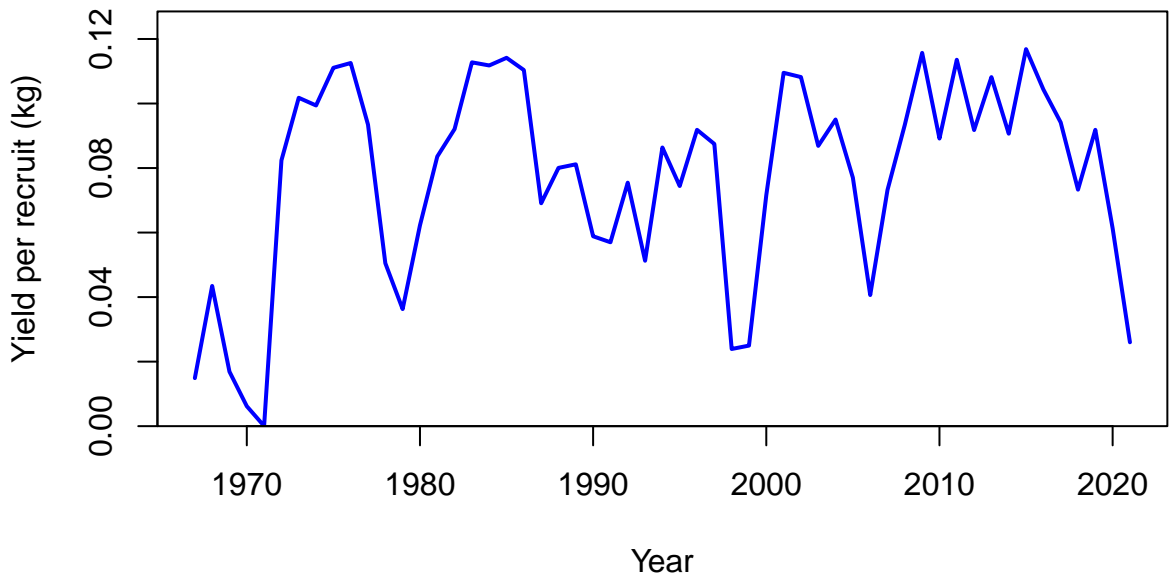
FISHERY (whole catch)

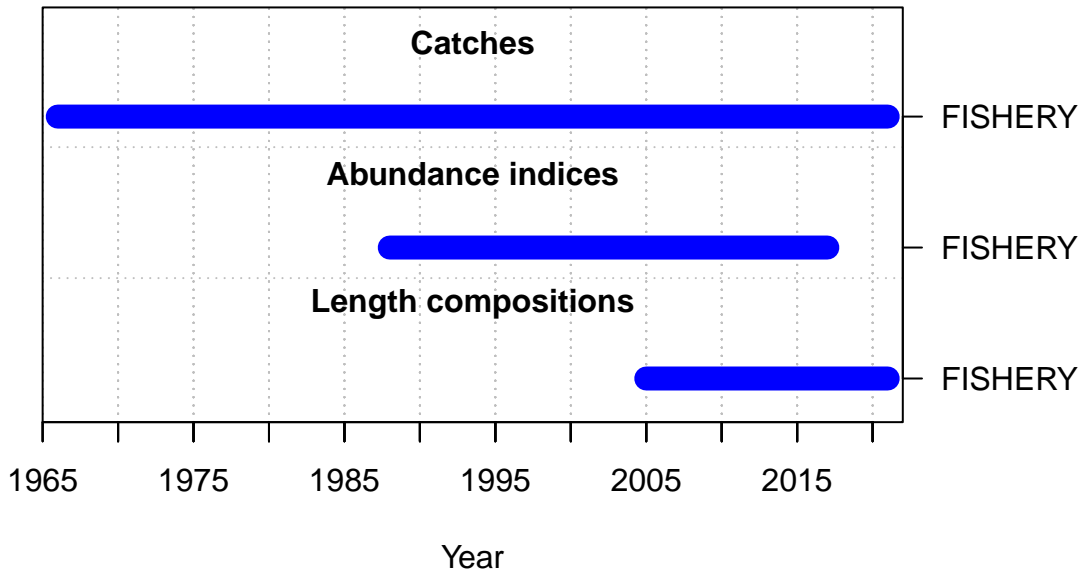


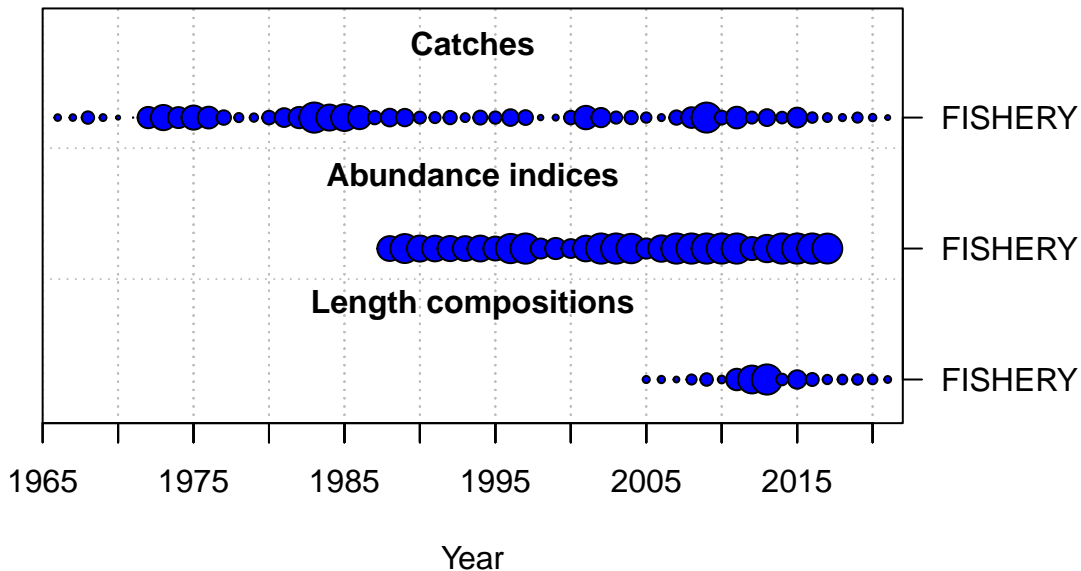




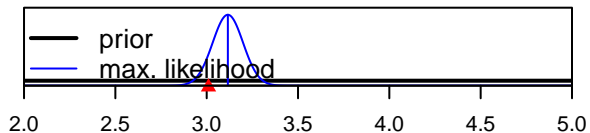




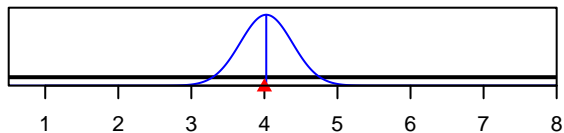




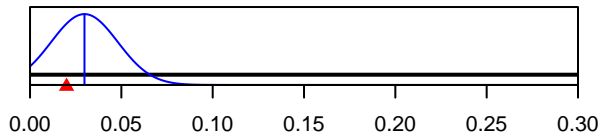
SR_LN(R0)



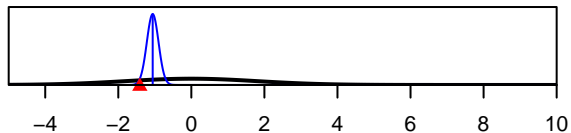
Size_95%width_FISHERY(1)



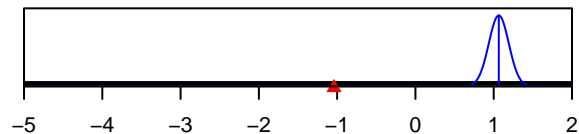
InitF_seas_1flt_1FISHERY



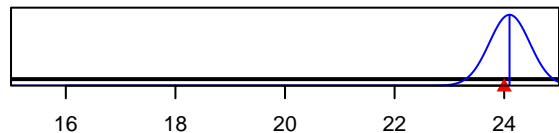
ln(DM_theta)_1



LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Parameter value