

Plots created using the 'r4ss' package in R

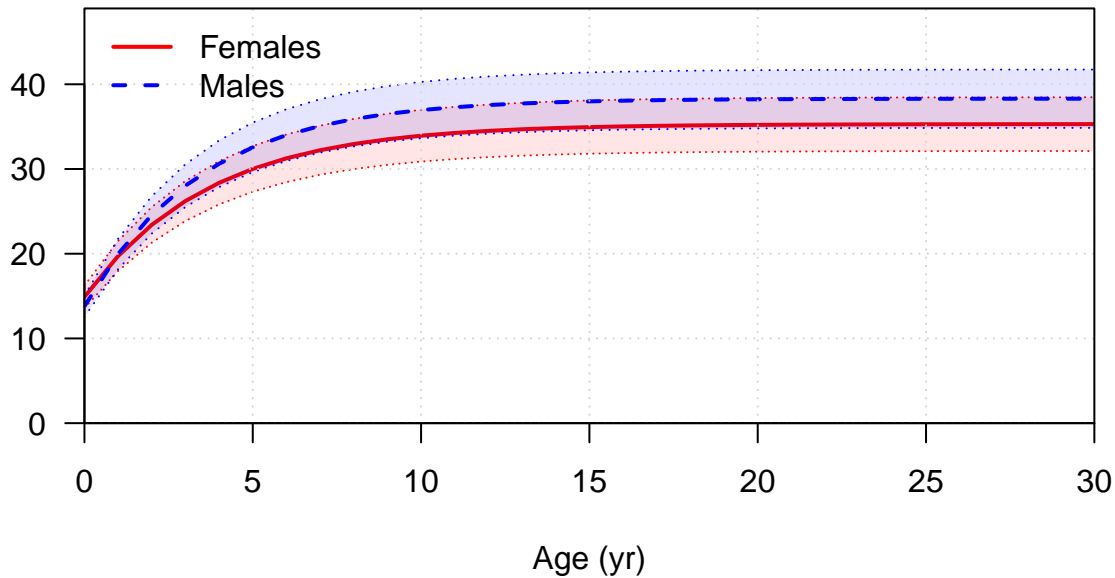
Stock Synthesis version: 3.30.19.0

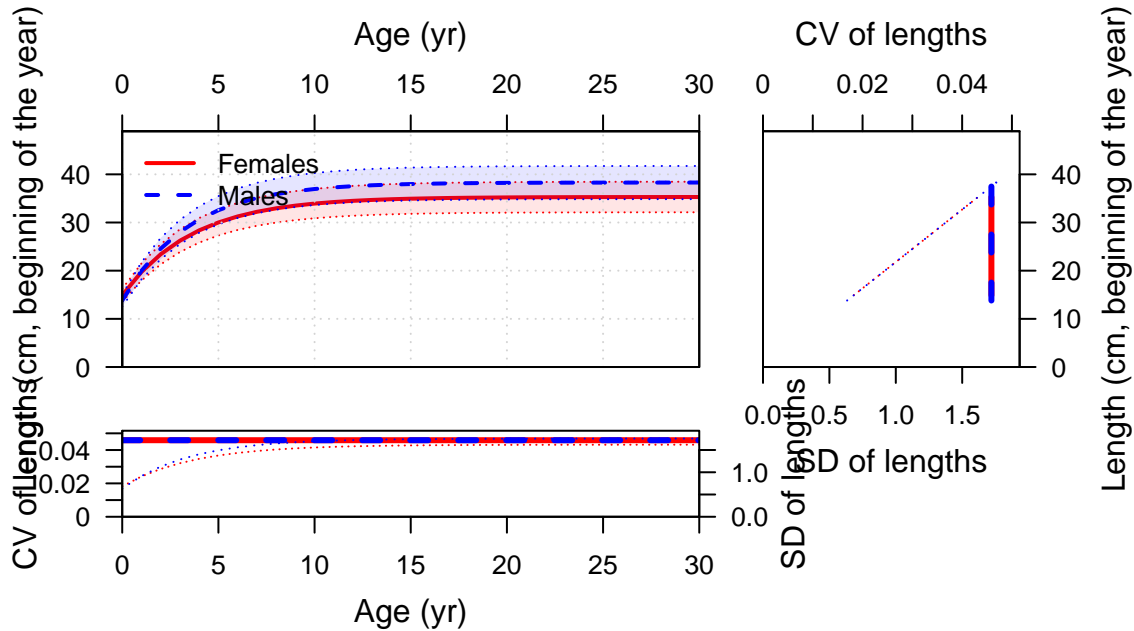
StartTime: Wed Jan 11 16:50:17 2023

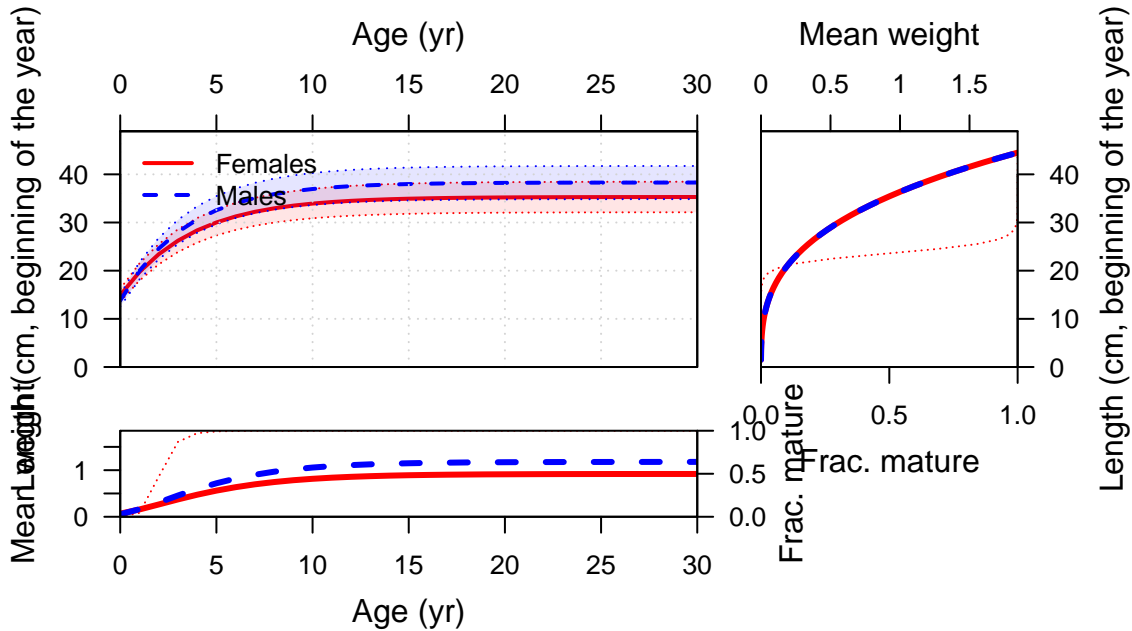
Data\_File: data.ss

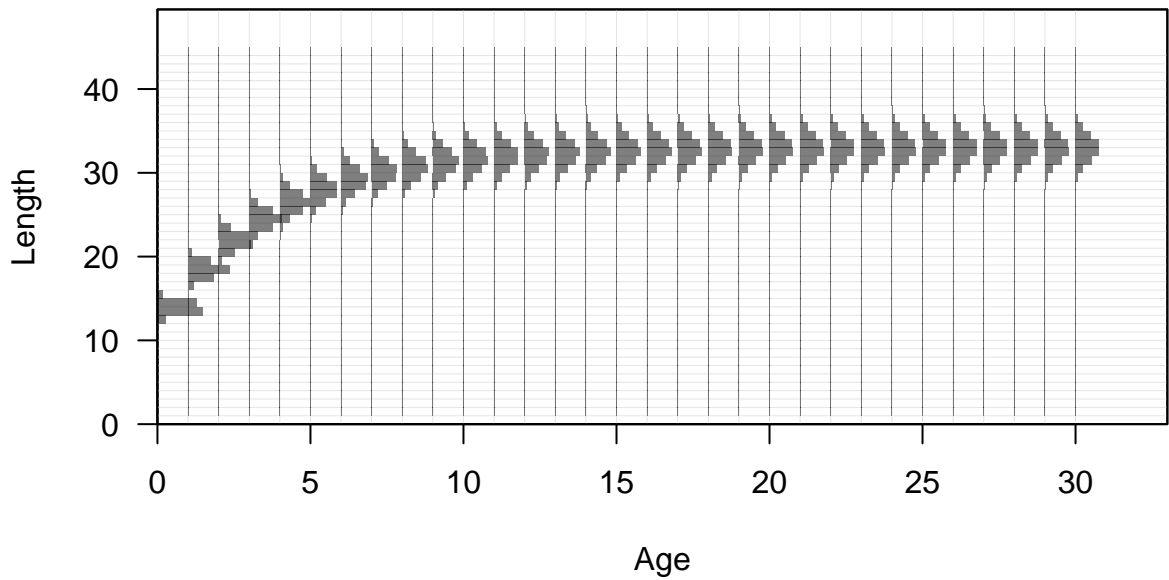
Control\_File: control.ss

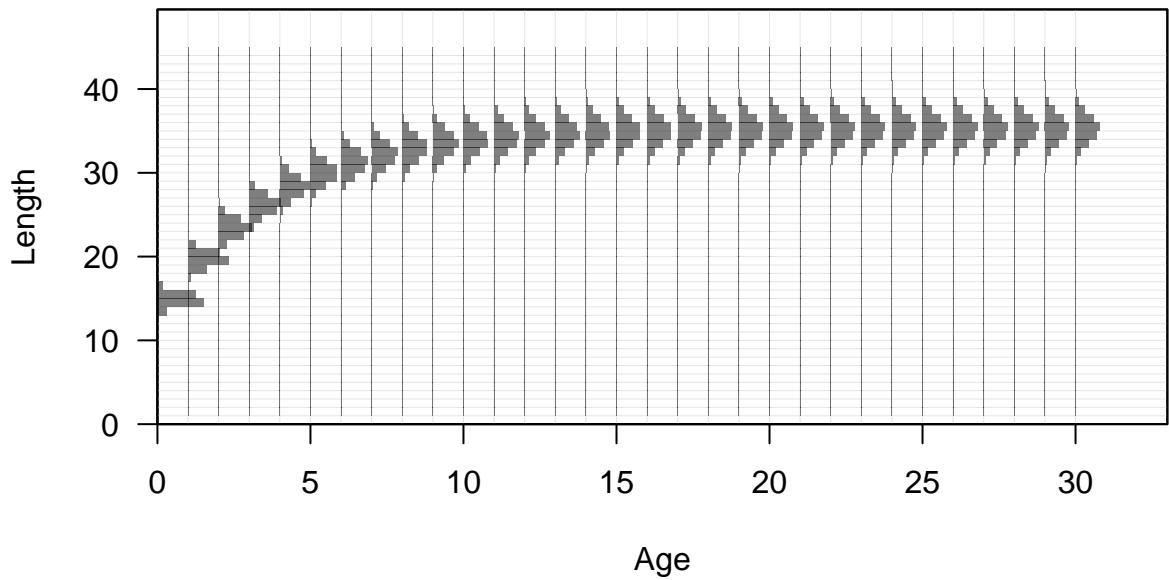
Length (cm, beginning of the year)

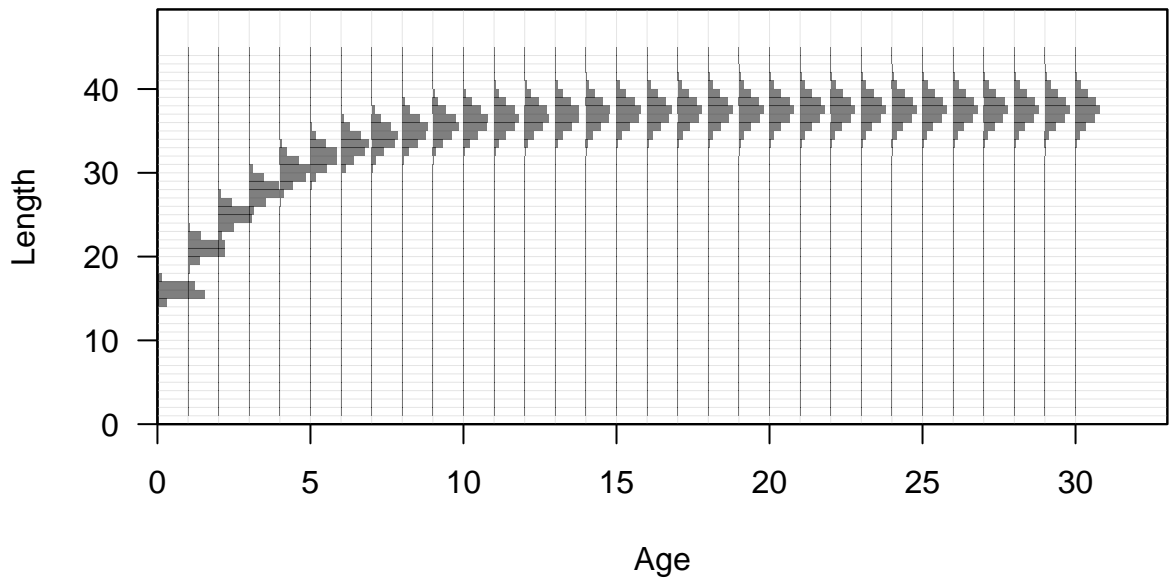


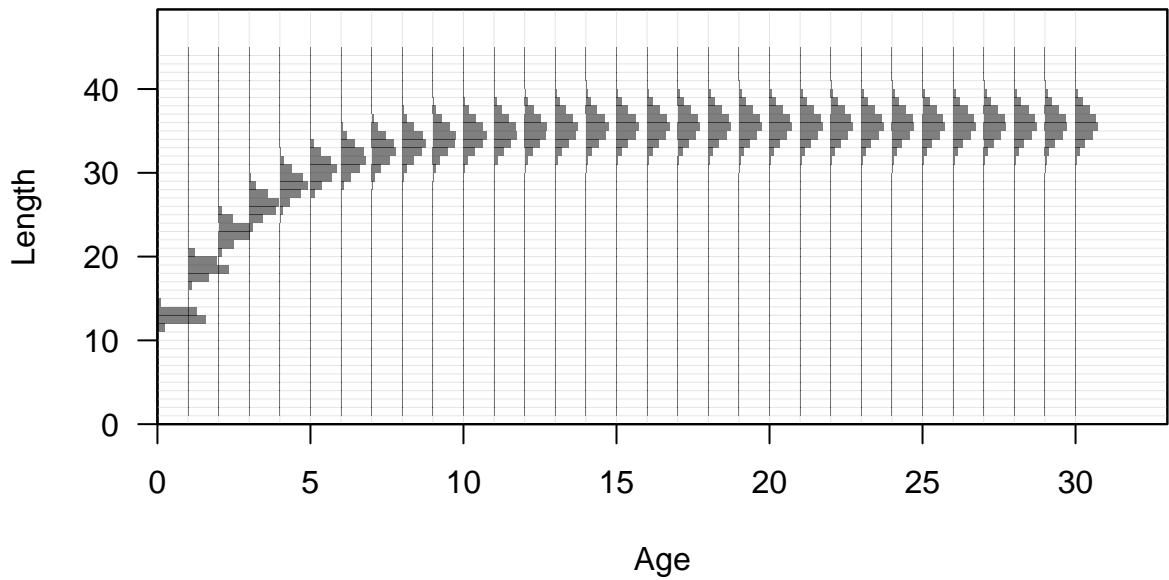




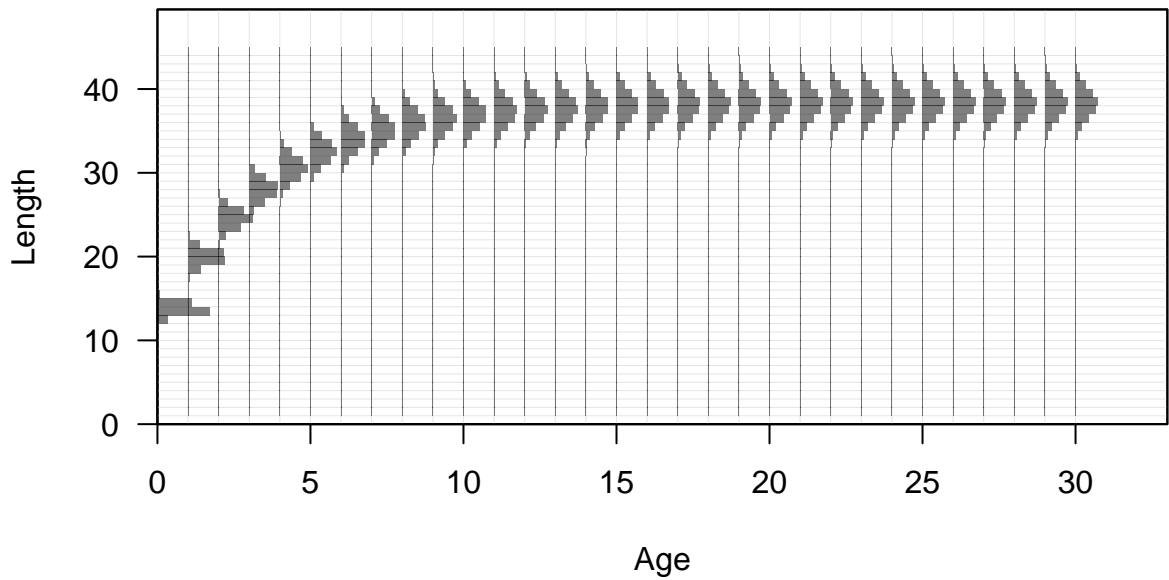


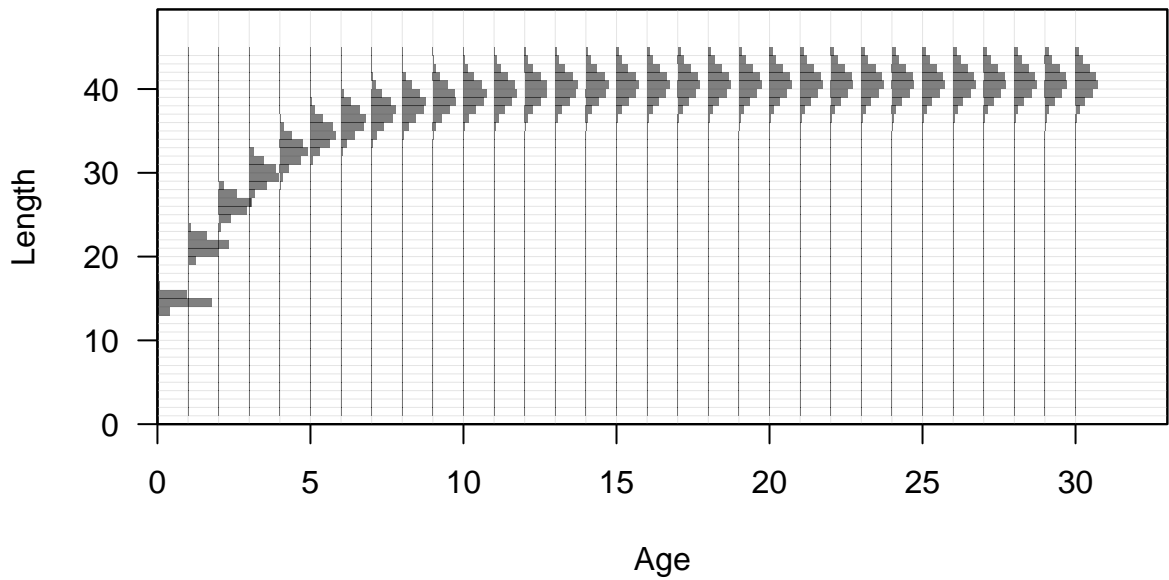


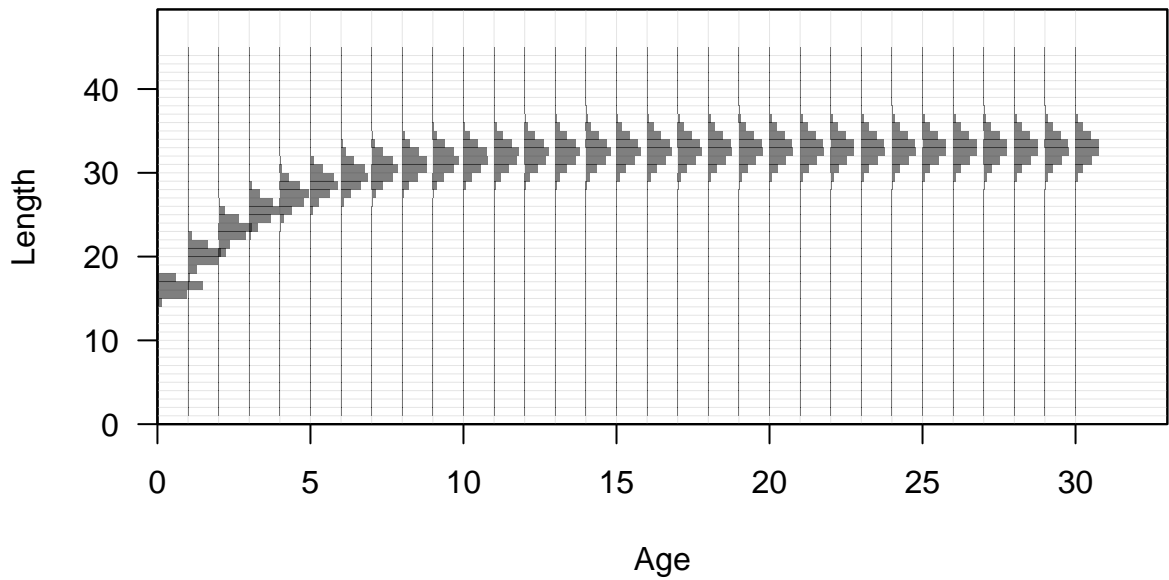


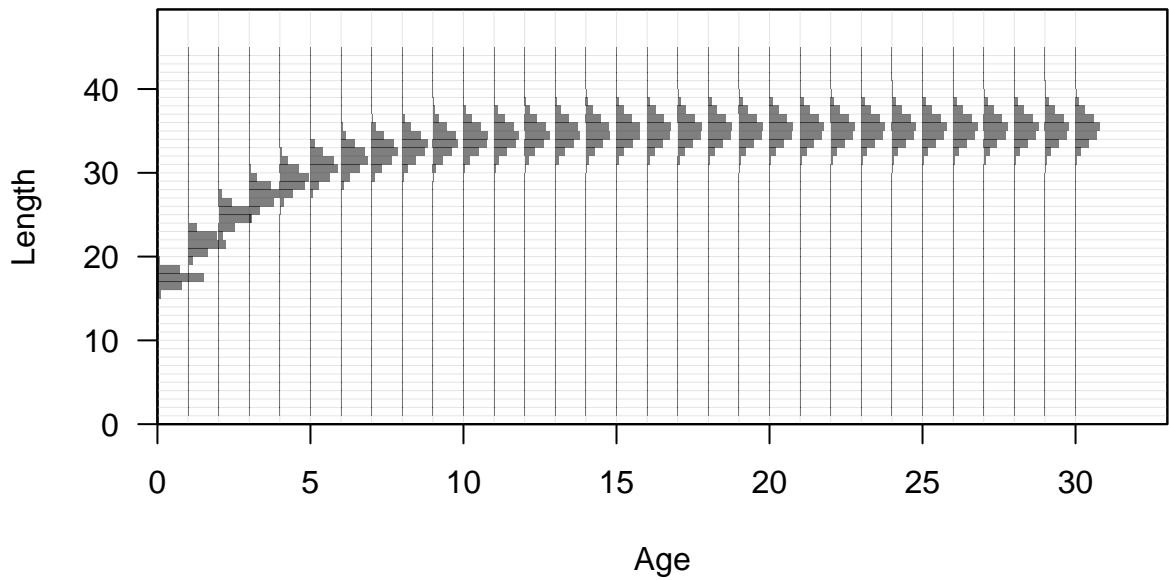


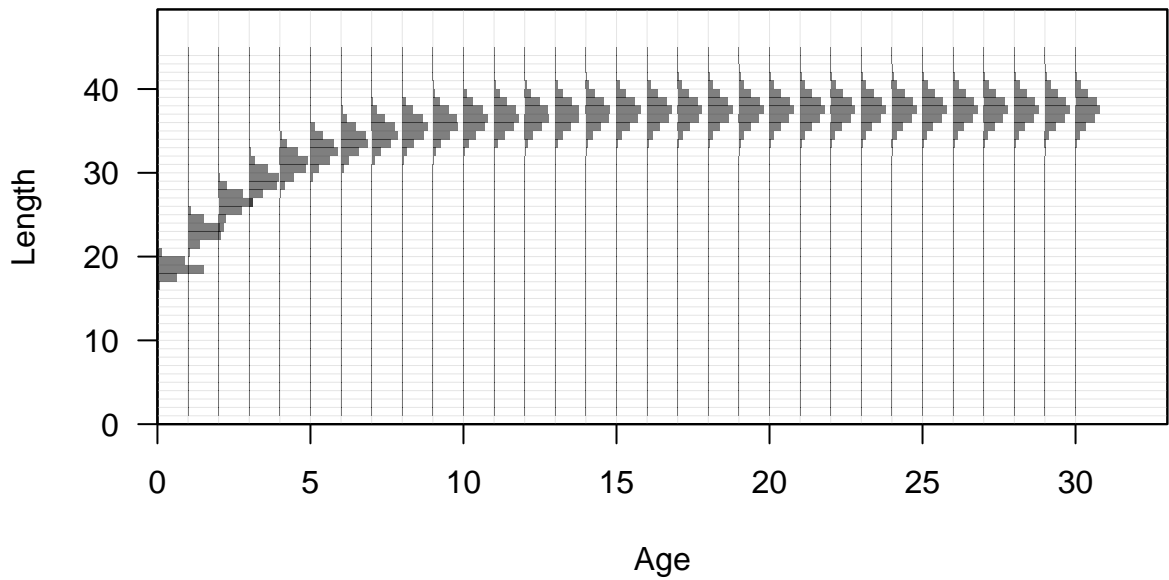


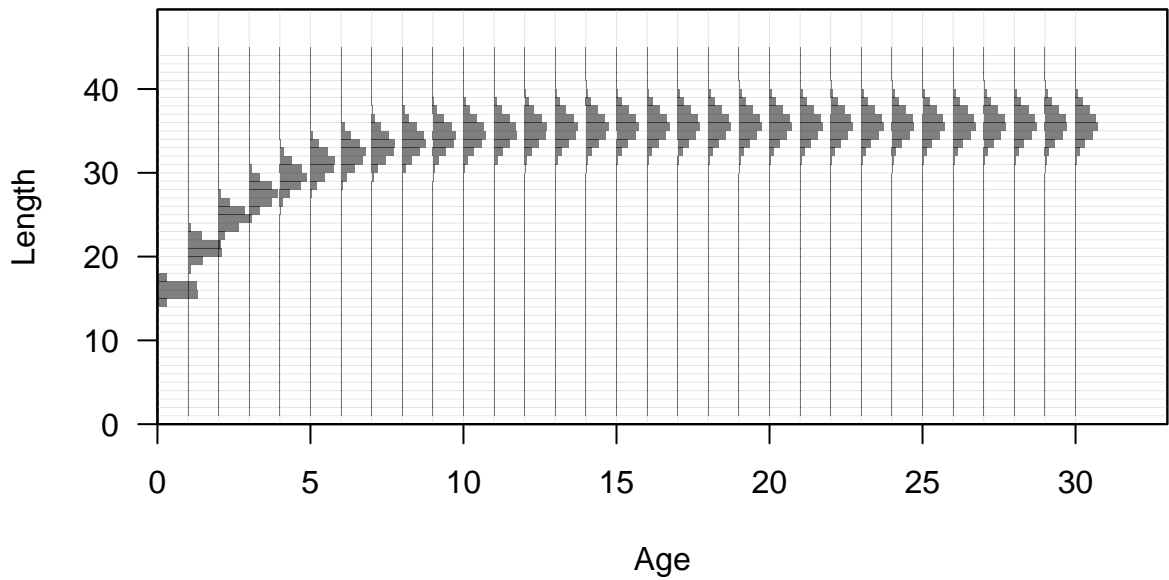


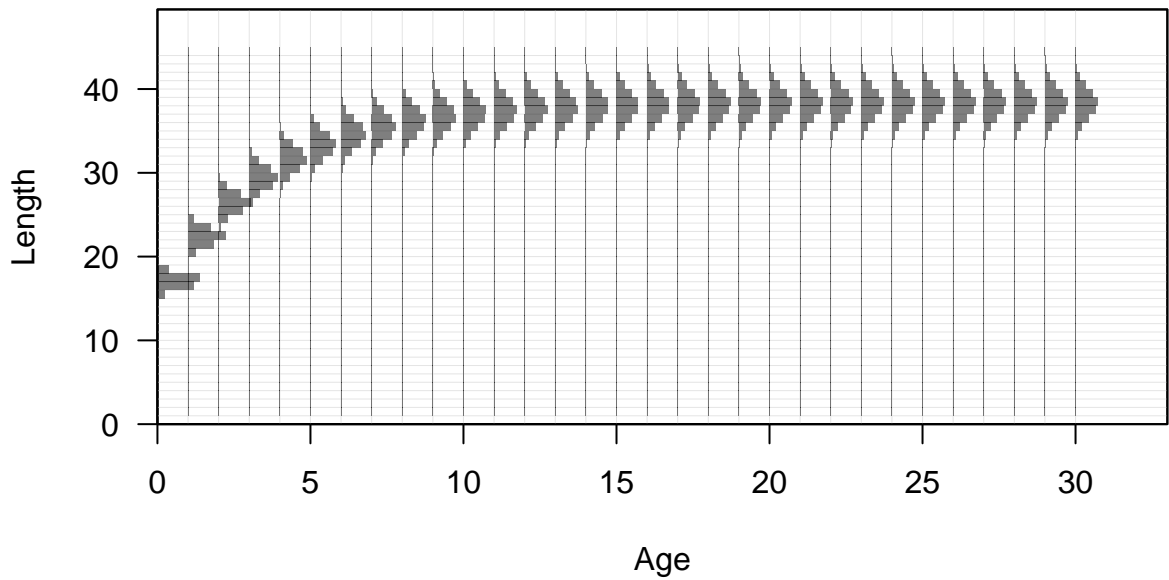


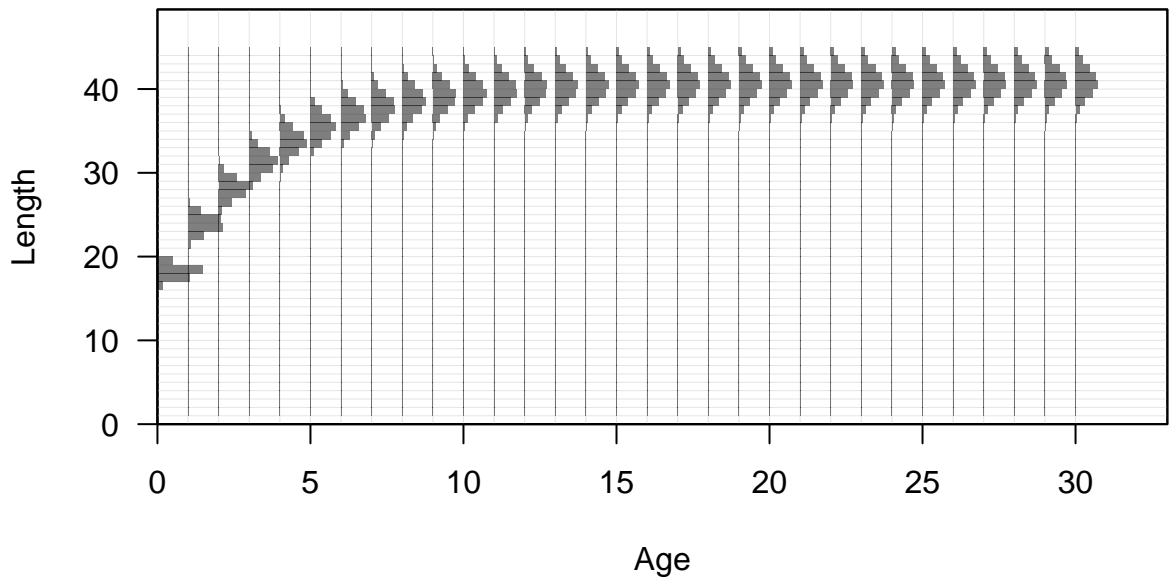




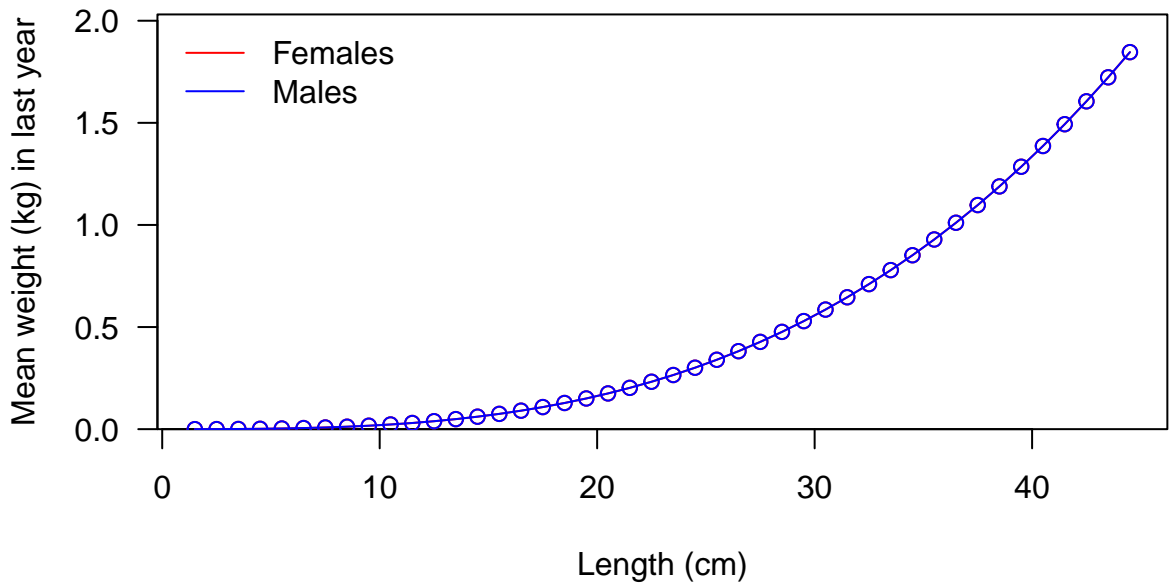


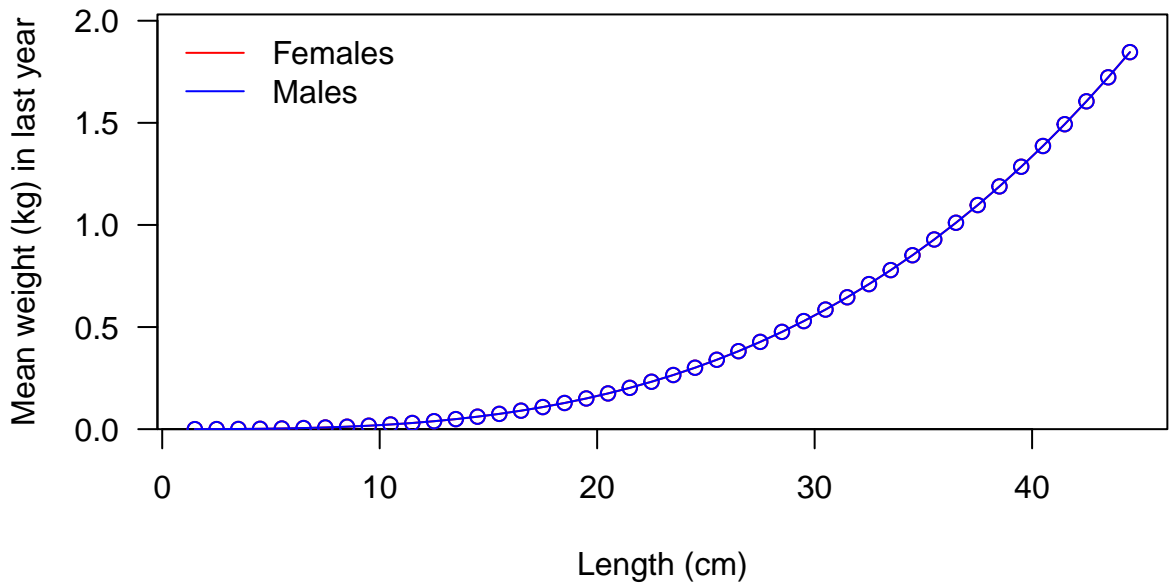


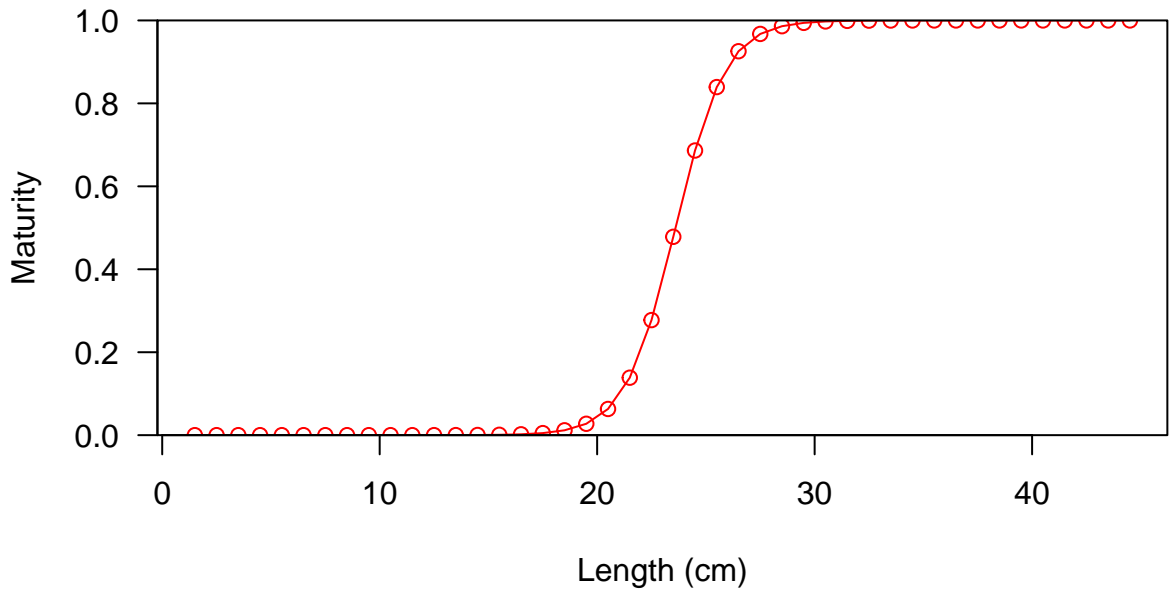


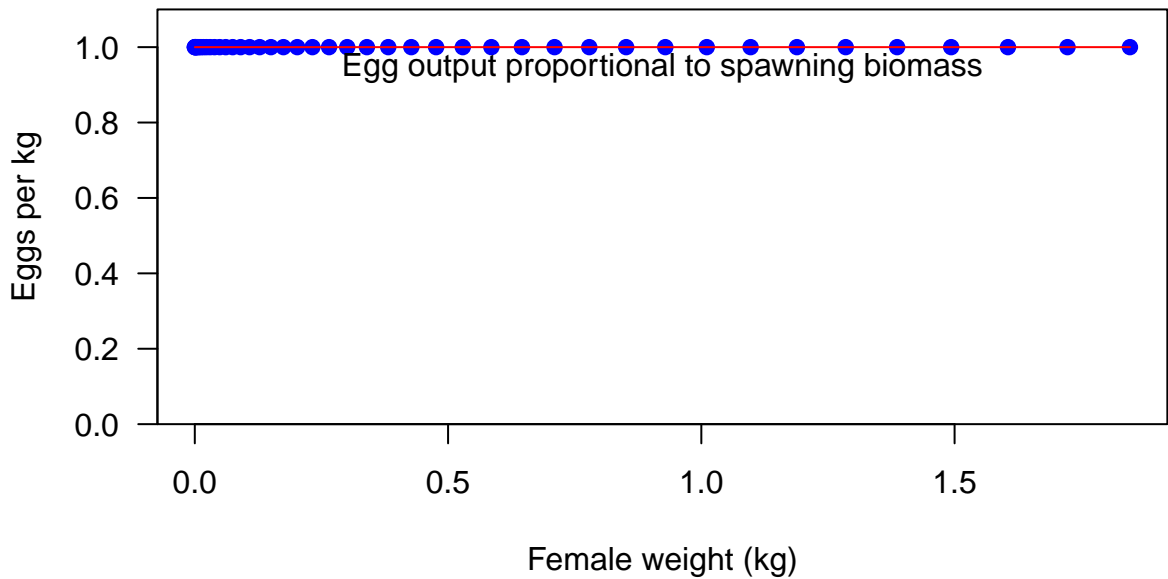


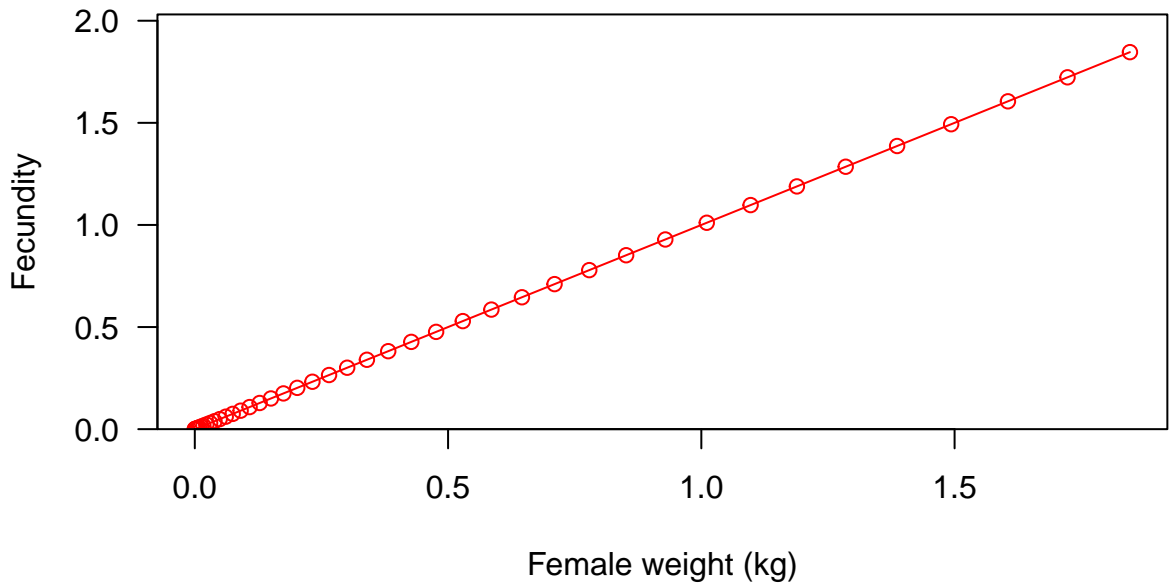


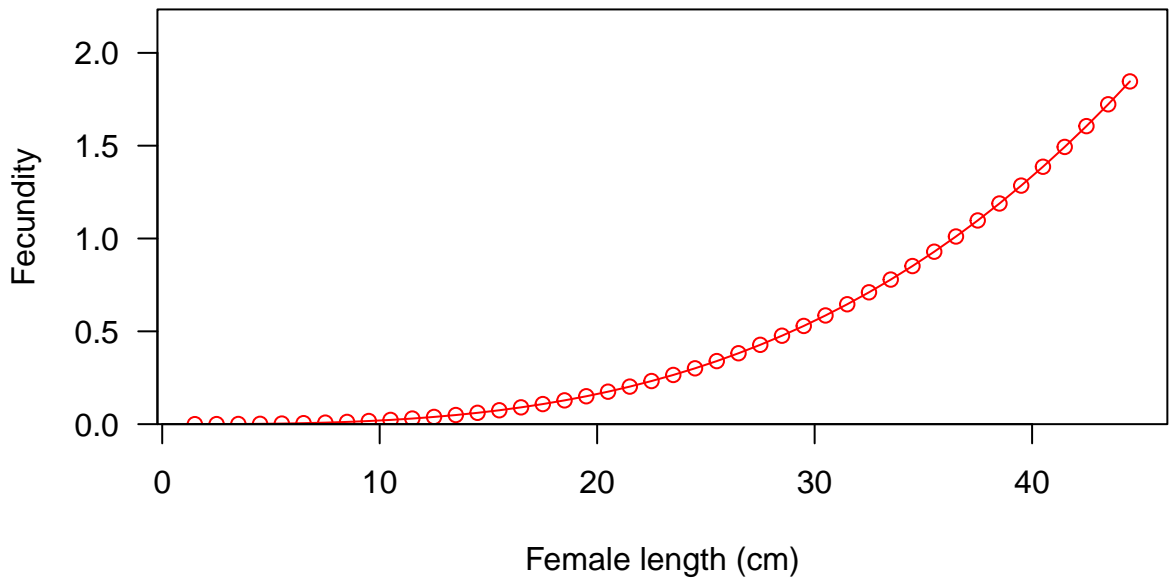


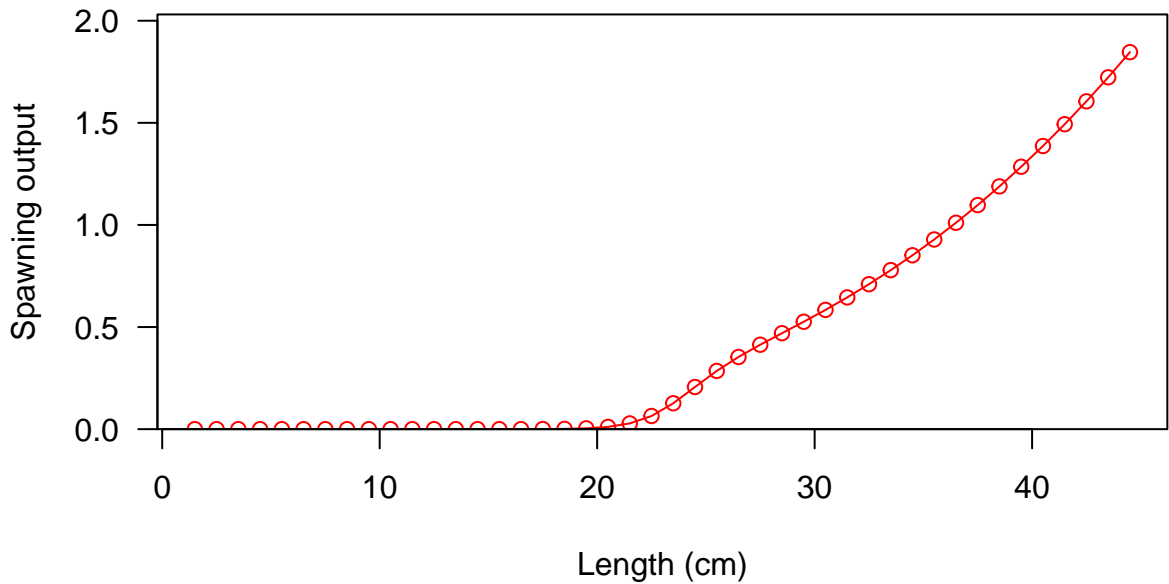


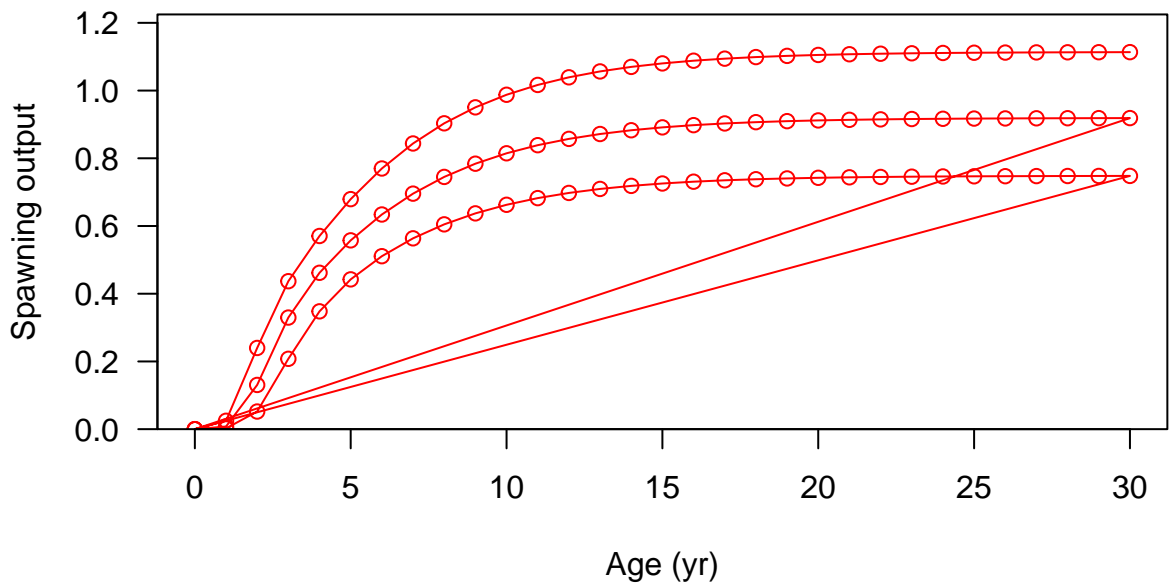






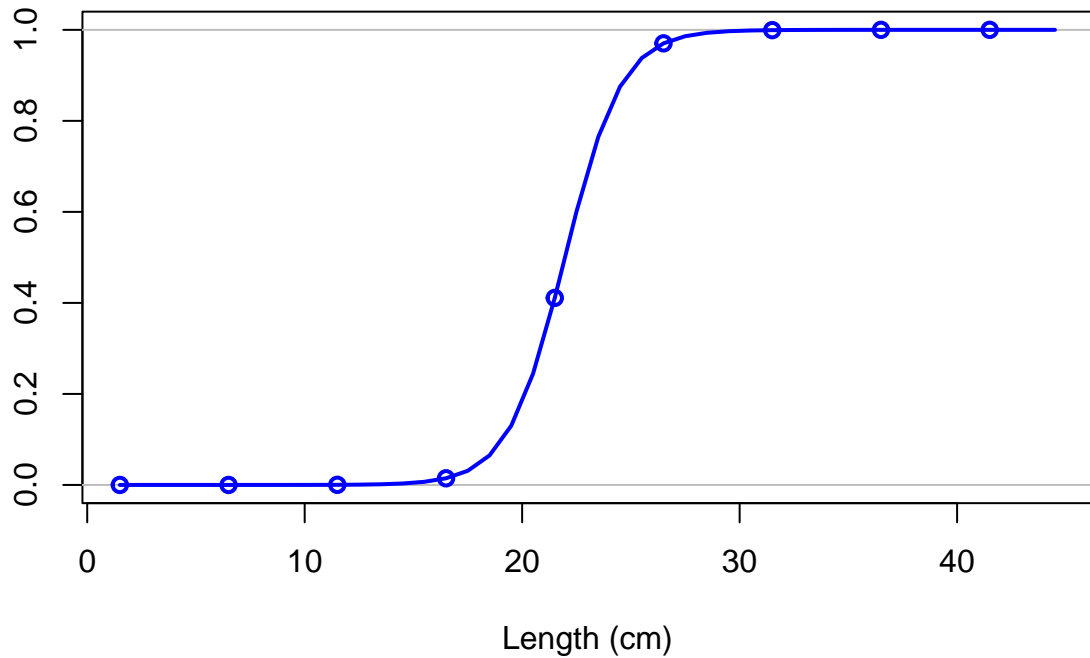




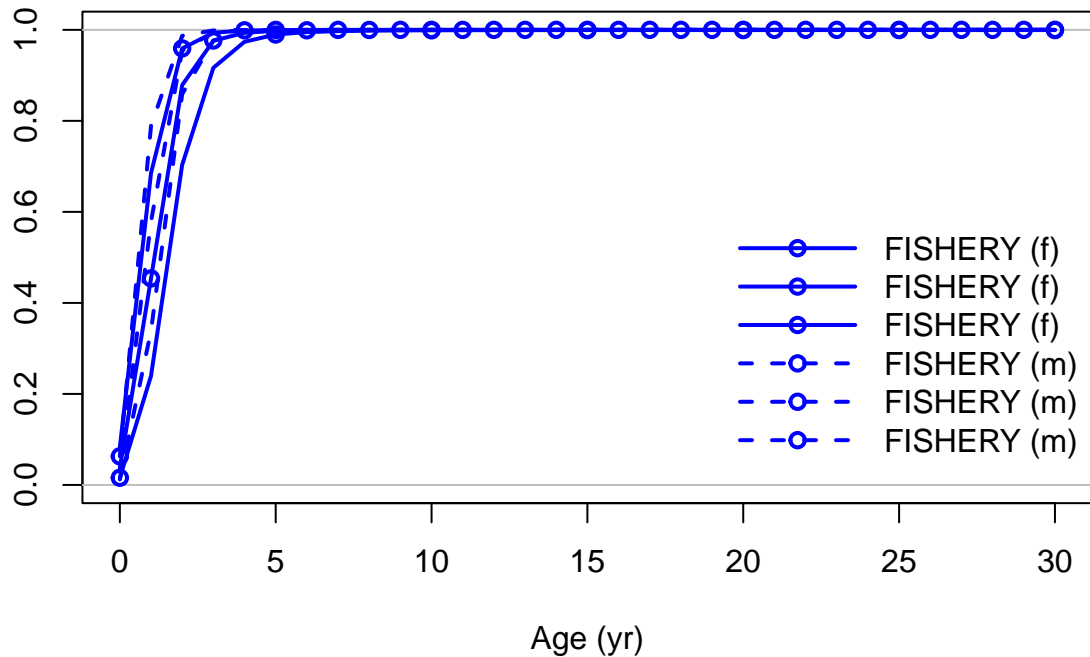




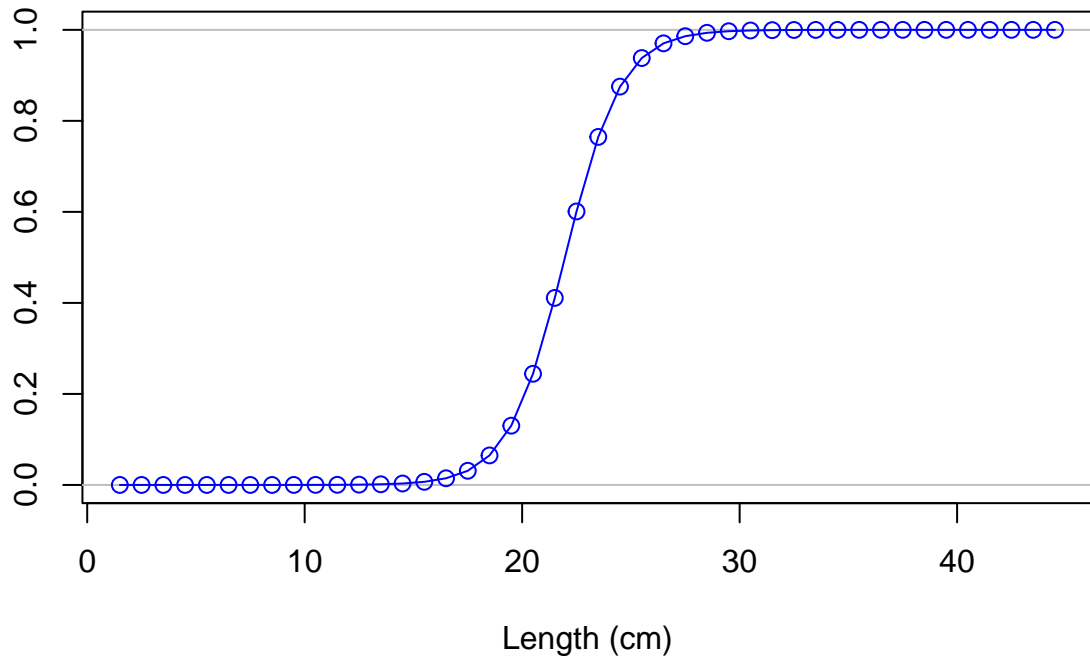
Selectivity



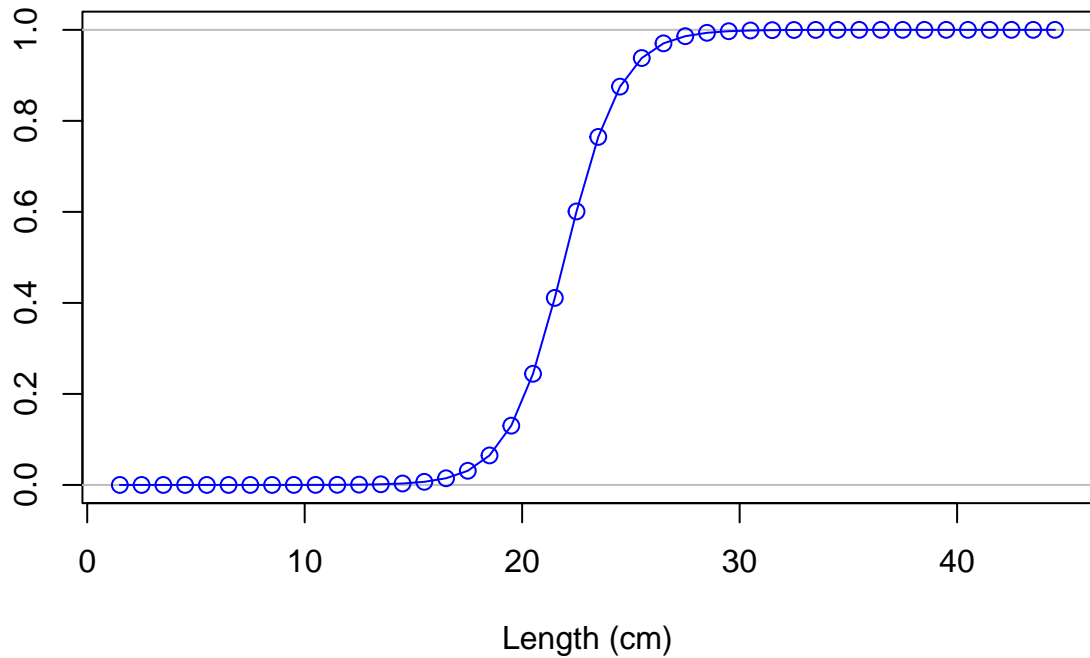
Selectivity

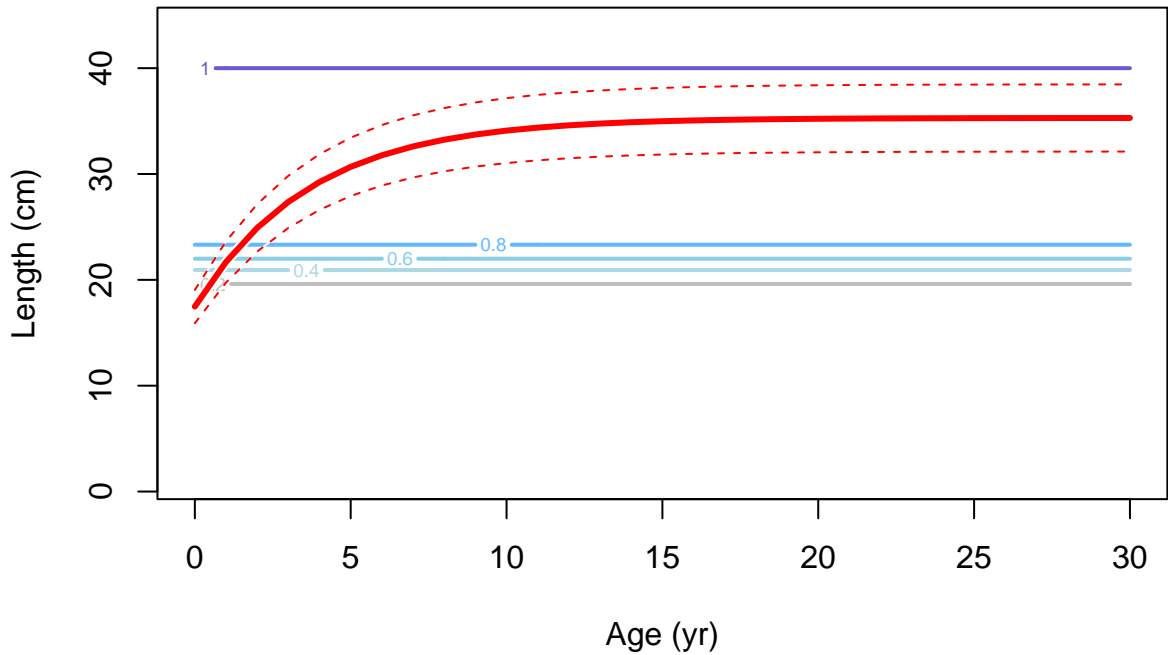


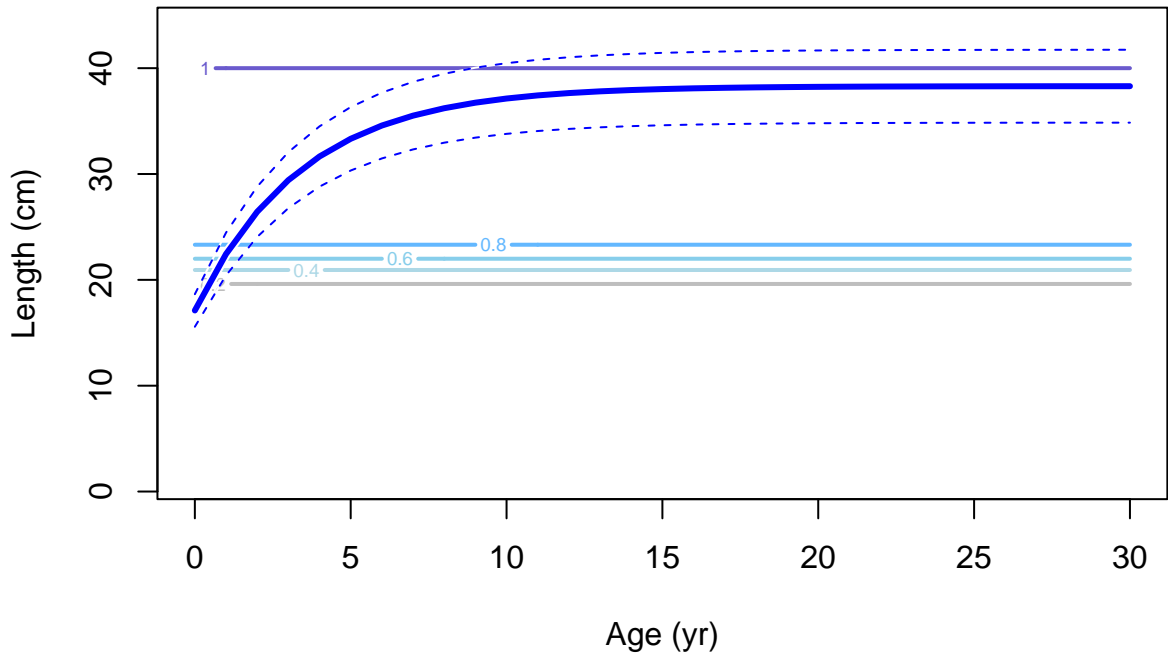
Selectivity

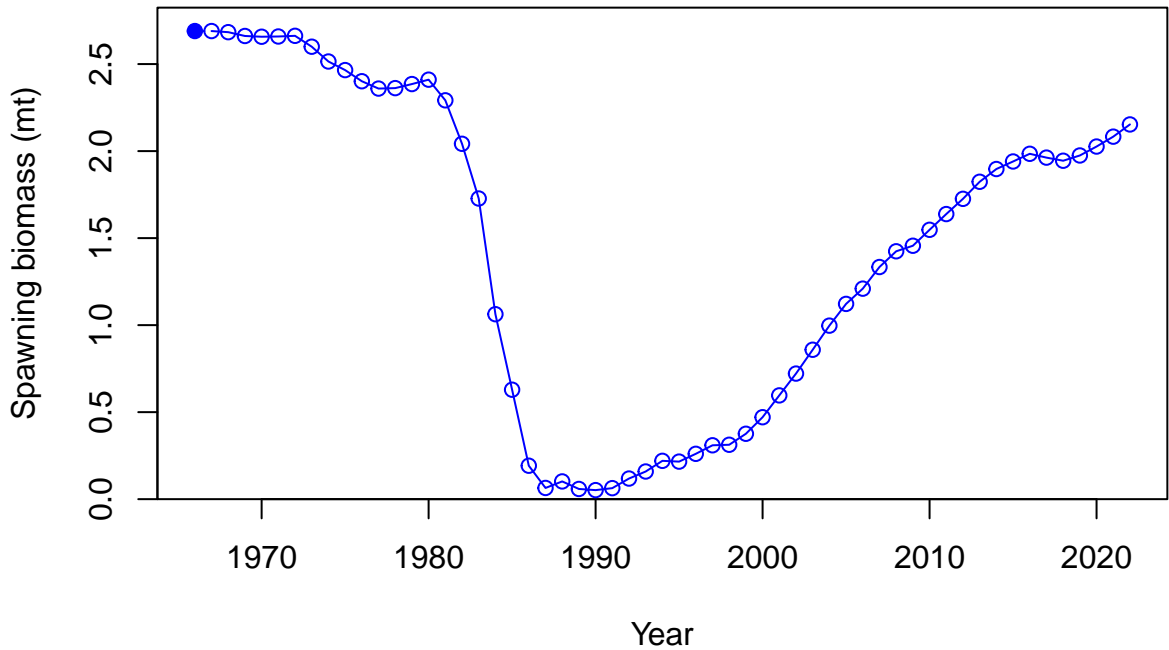


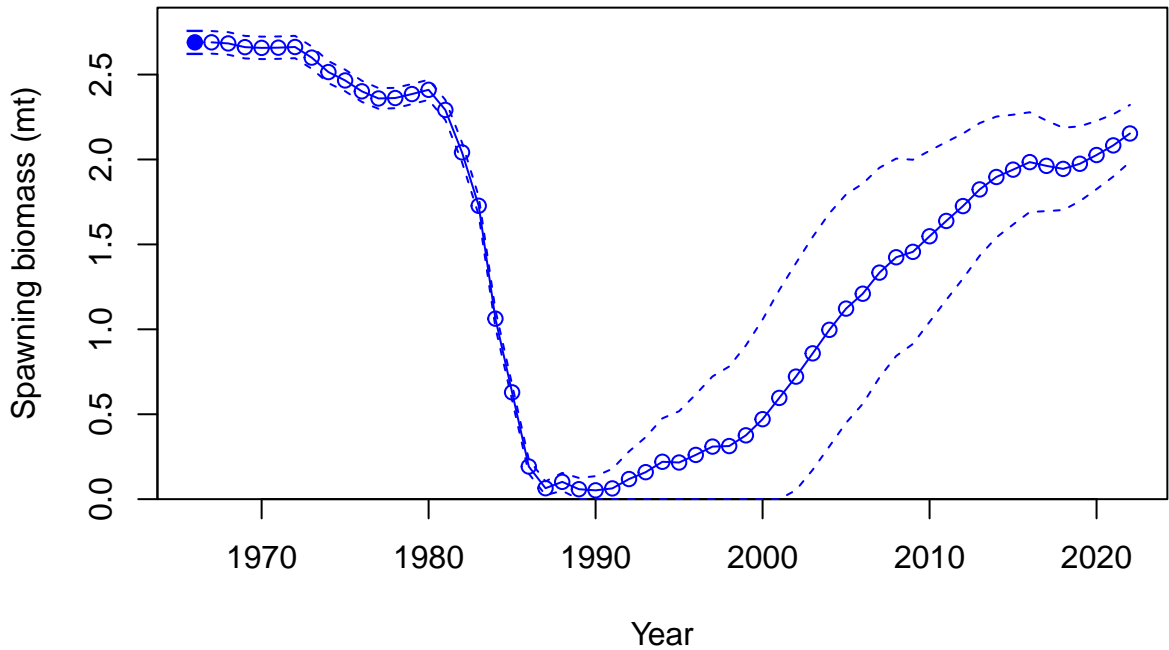
Selectivity





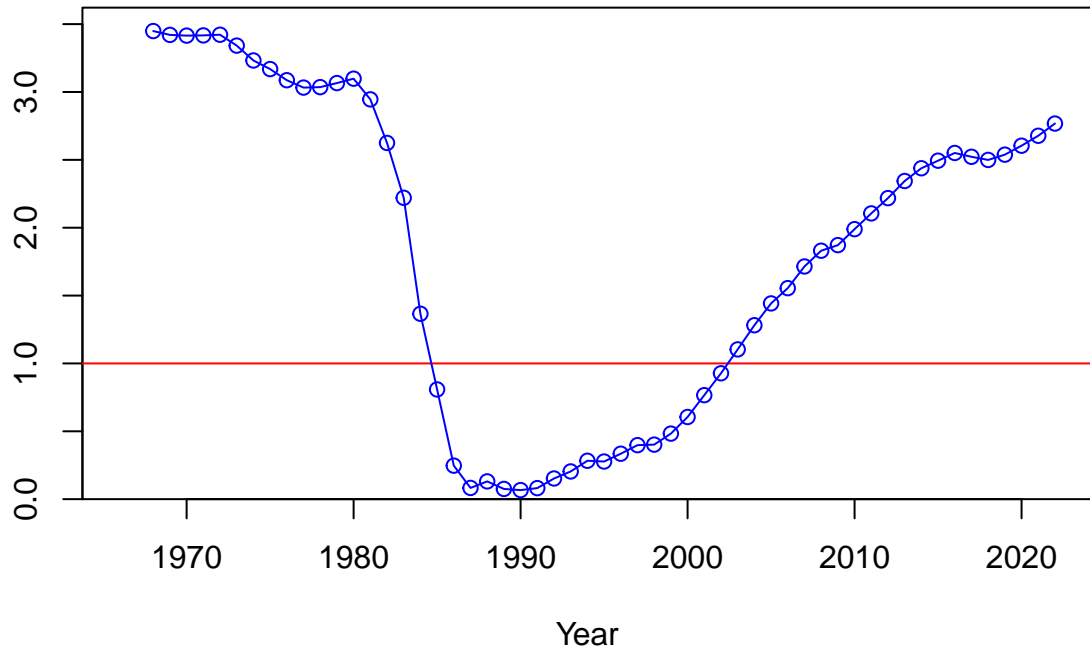




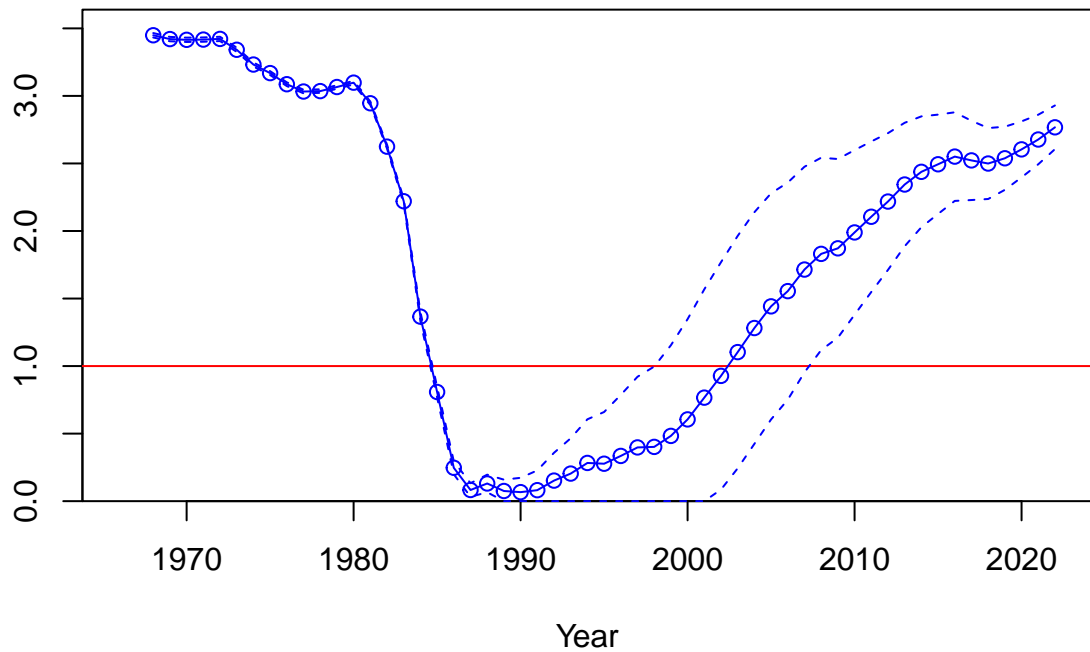


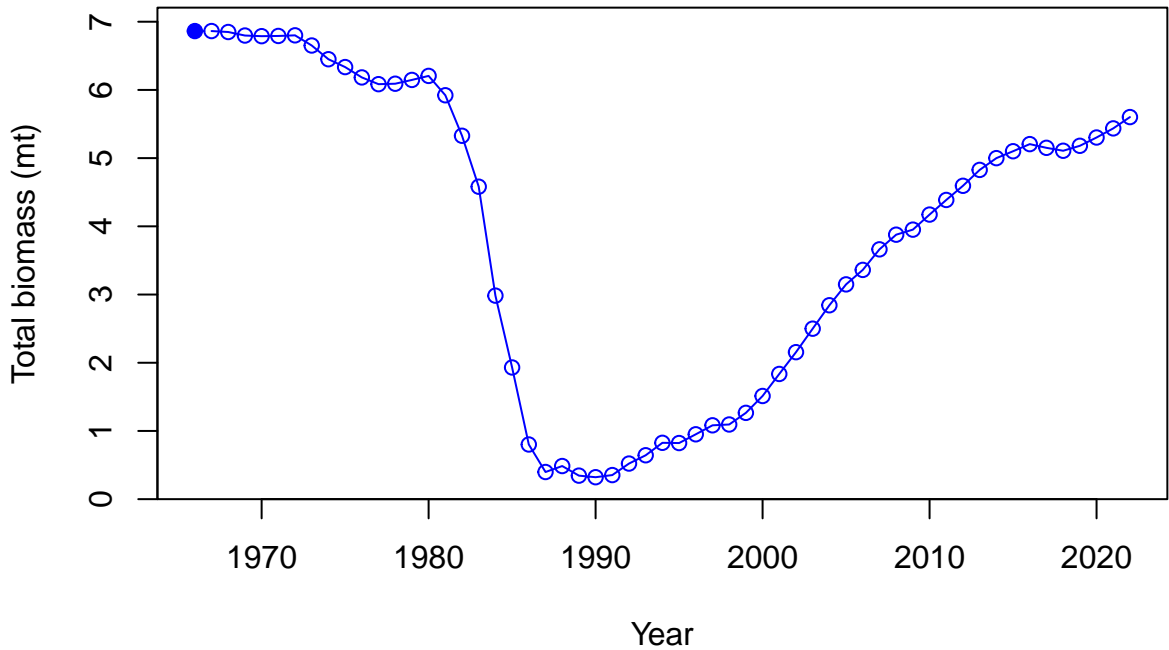


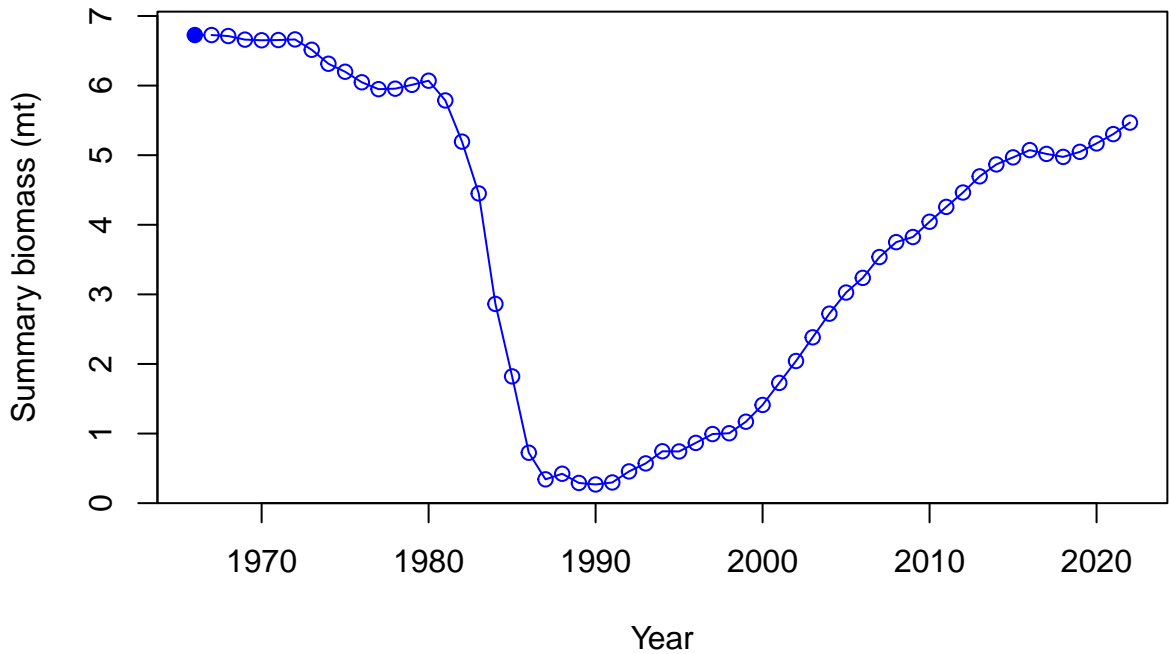
Relative spawning biomass:  $B/B_{MSY}$

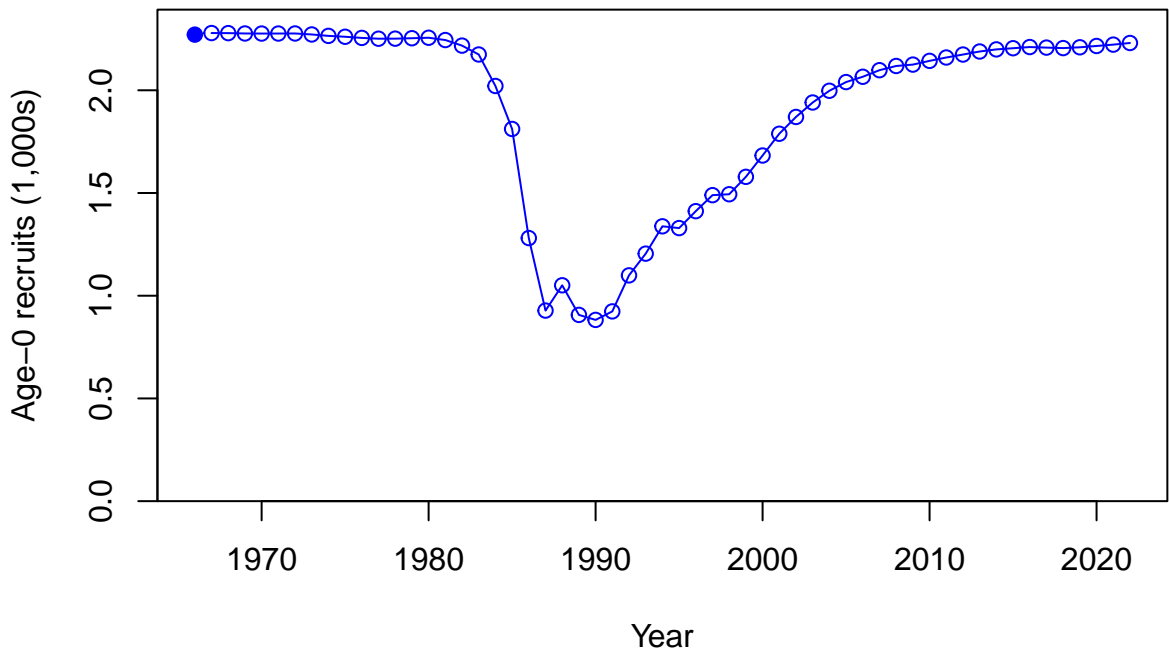


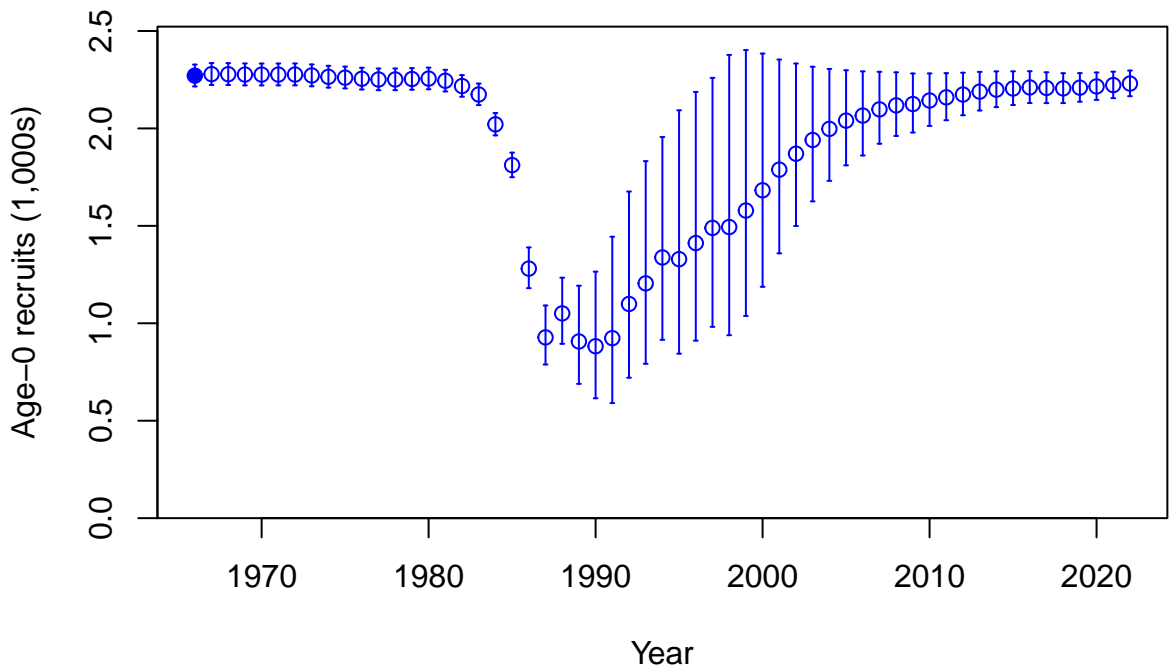
Relative spawning biomass:  $B/B_{MSY}$



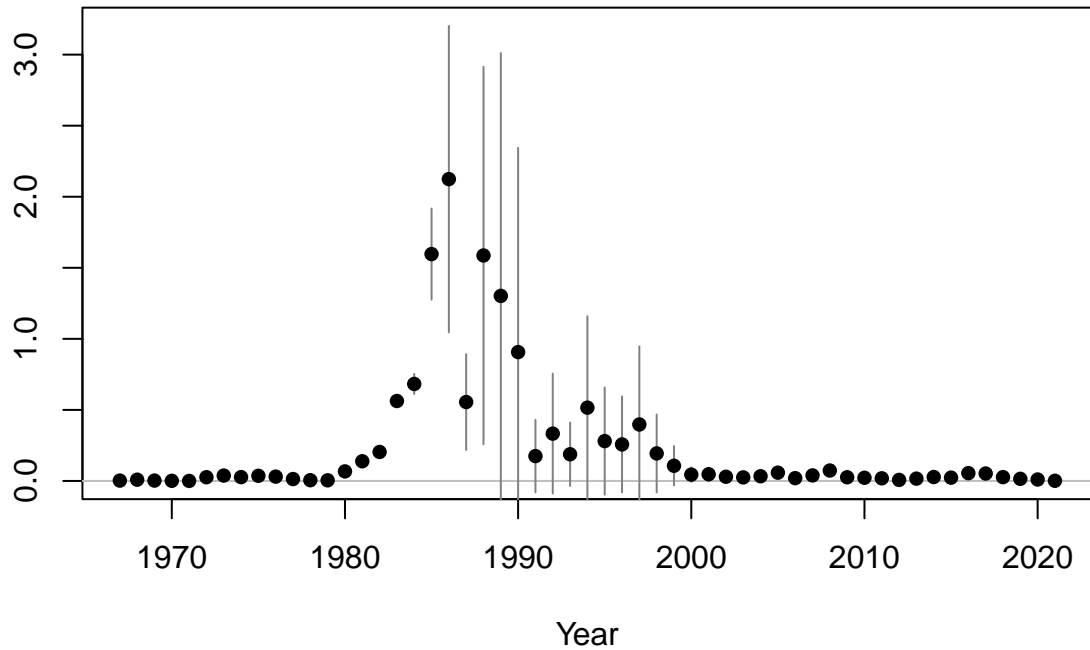


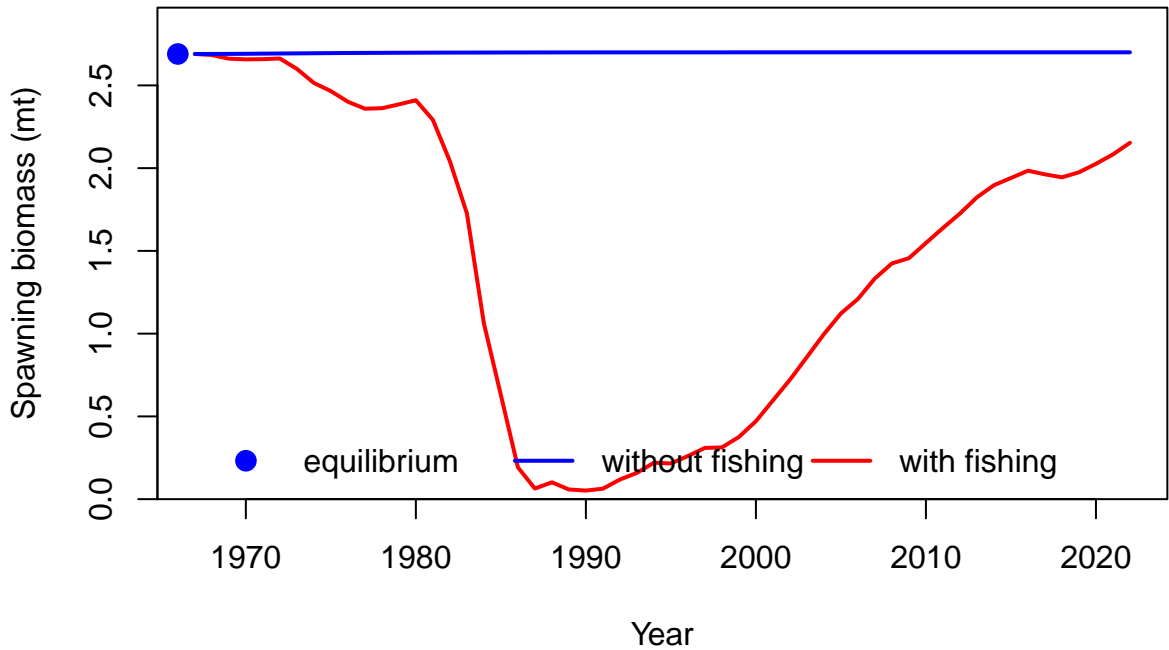




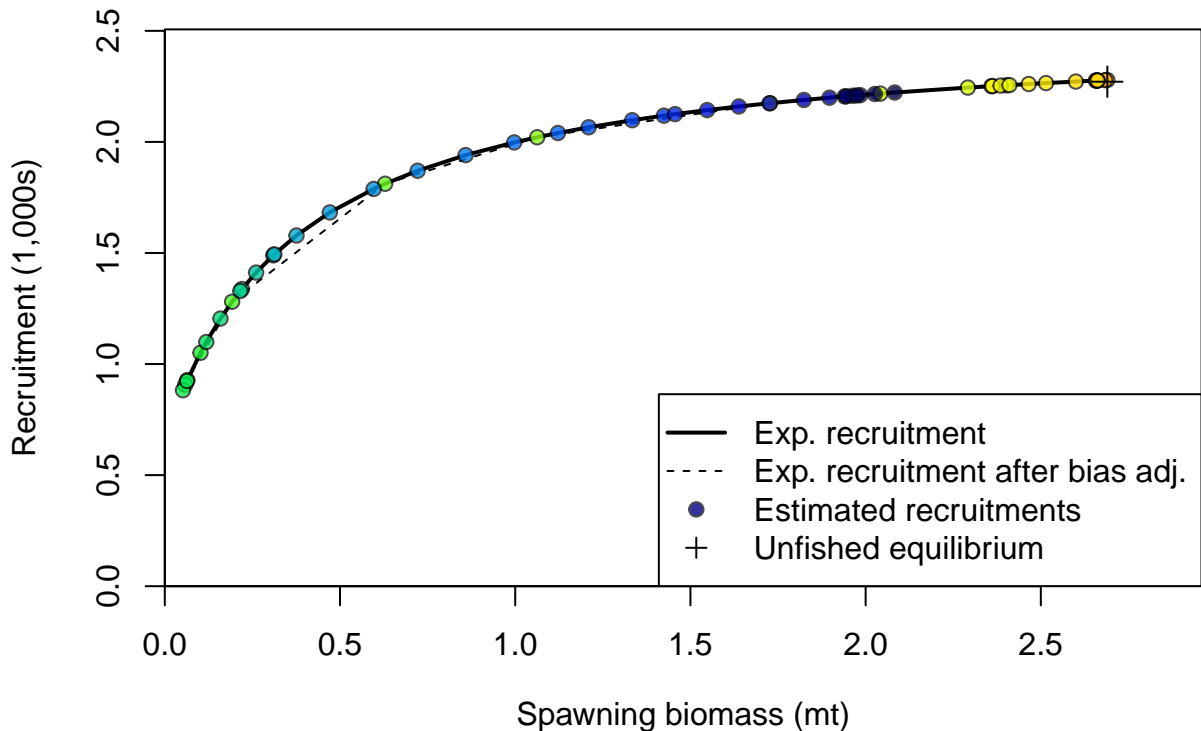


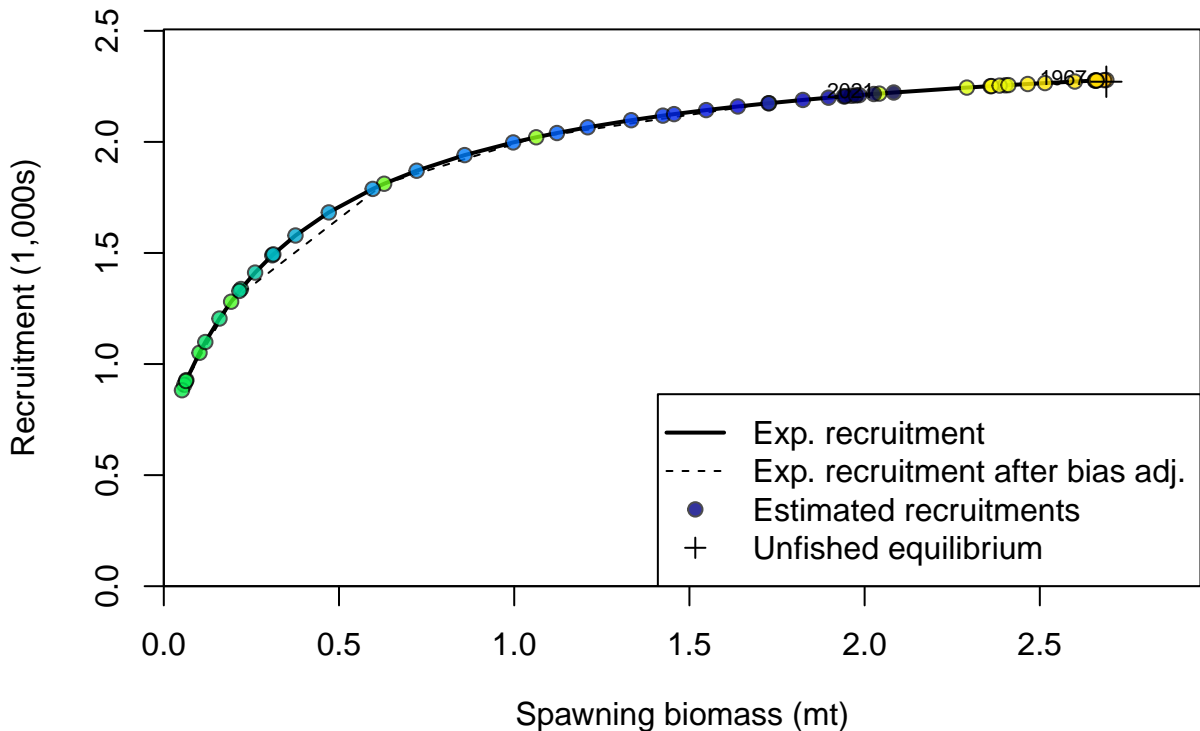
Summary Fishing Mortality

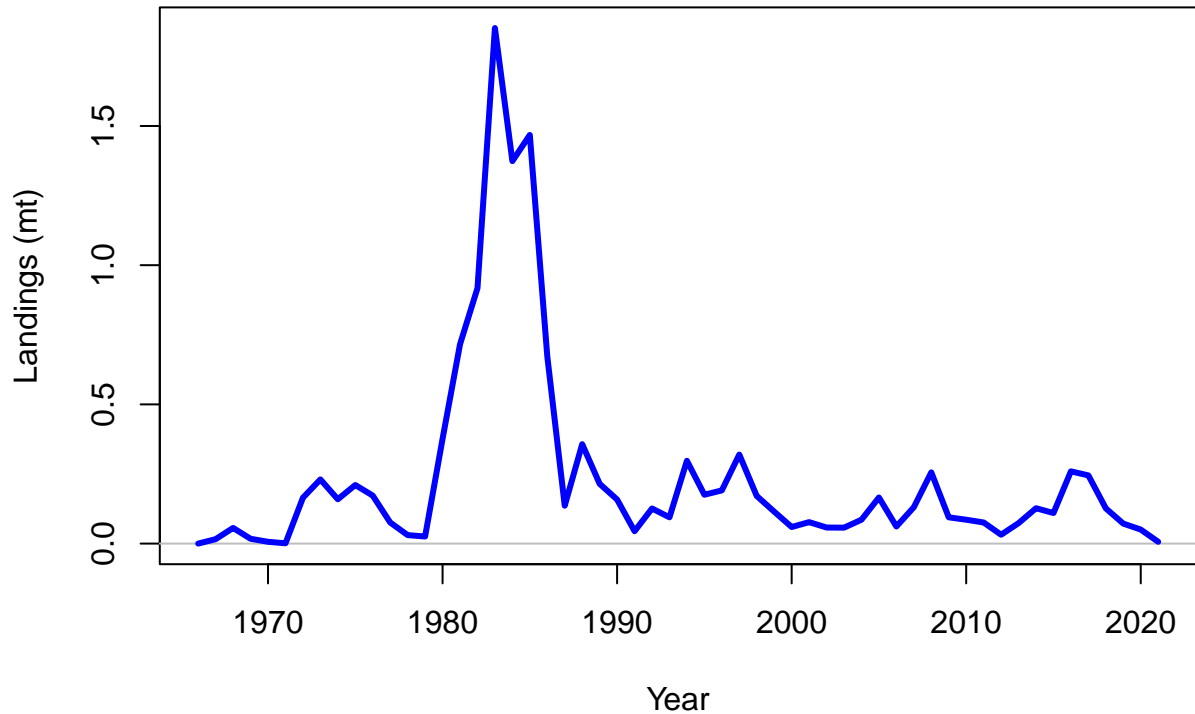


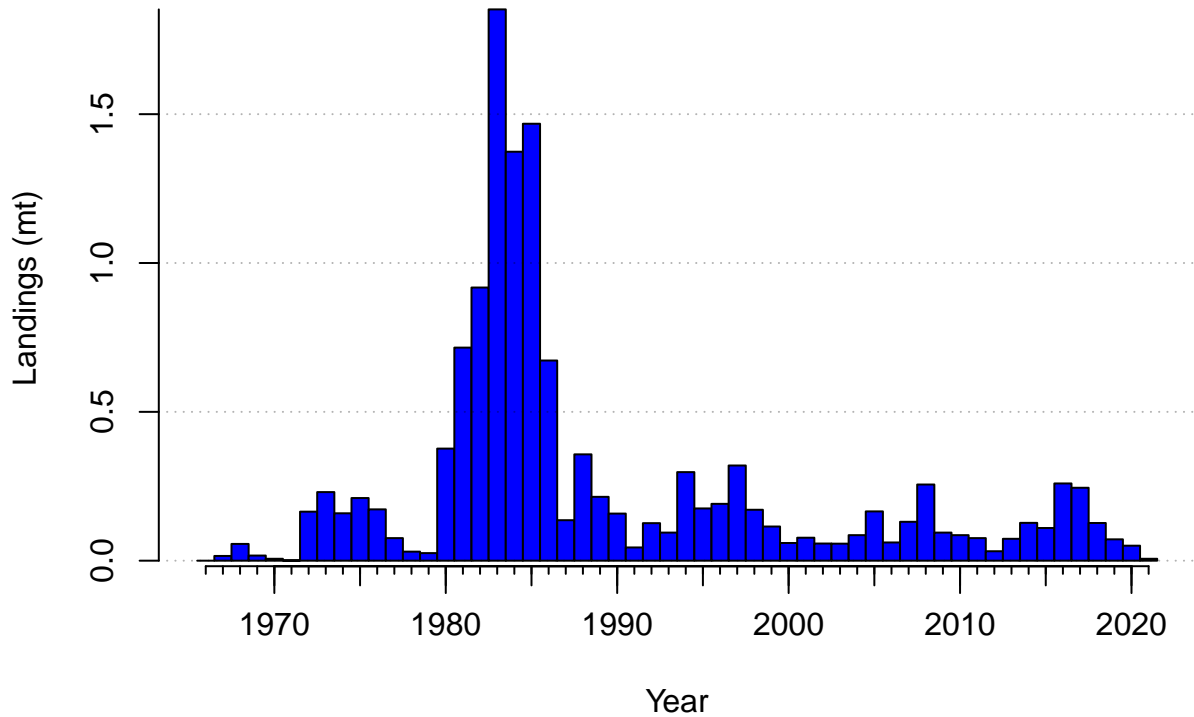


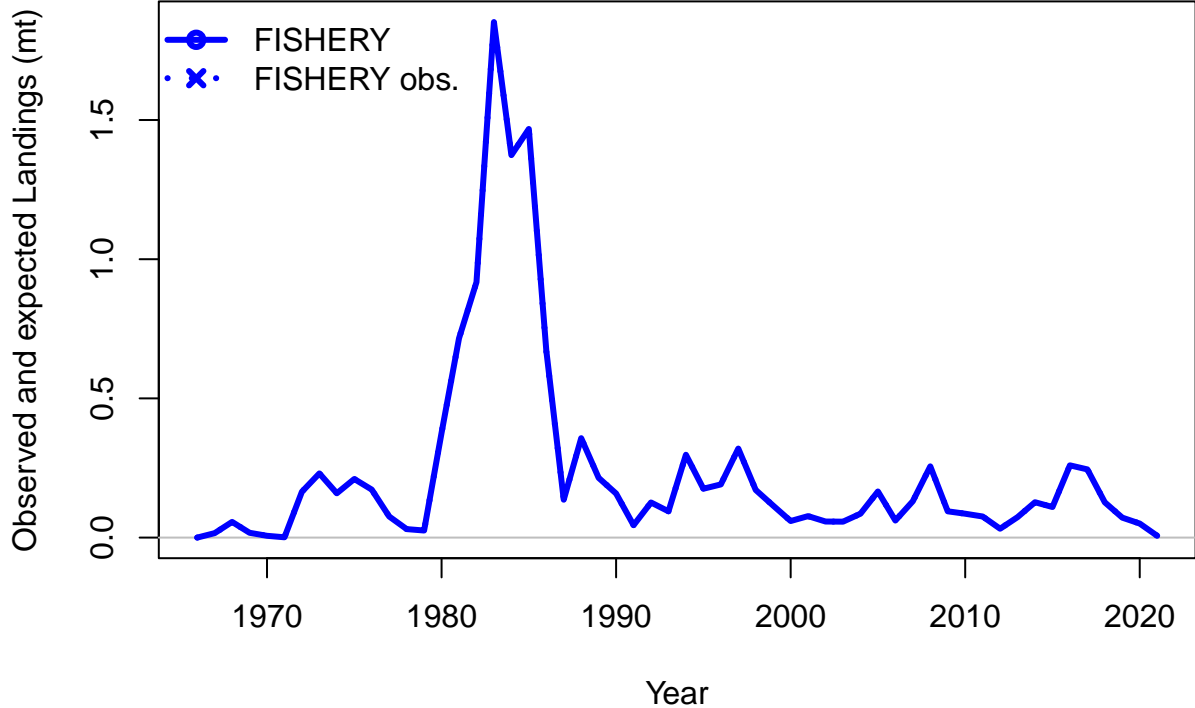


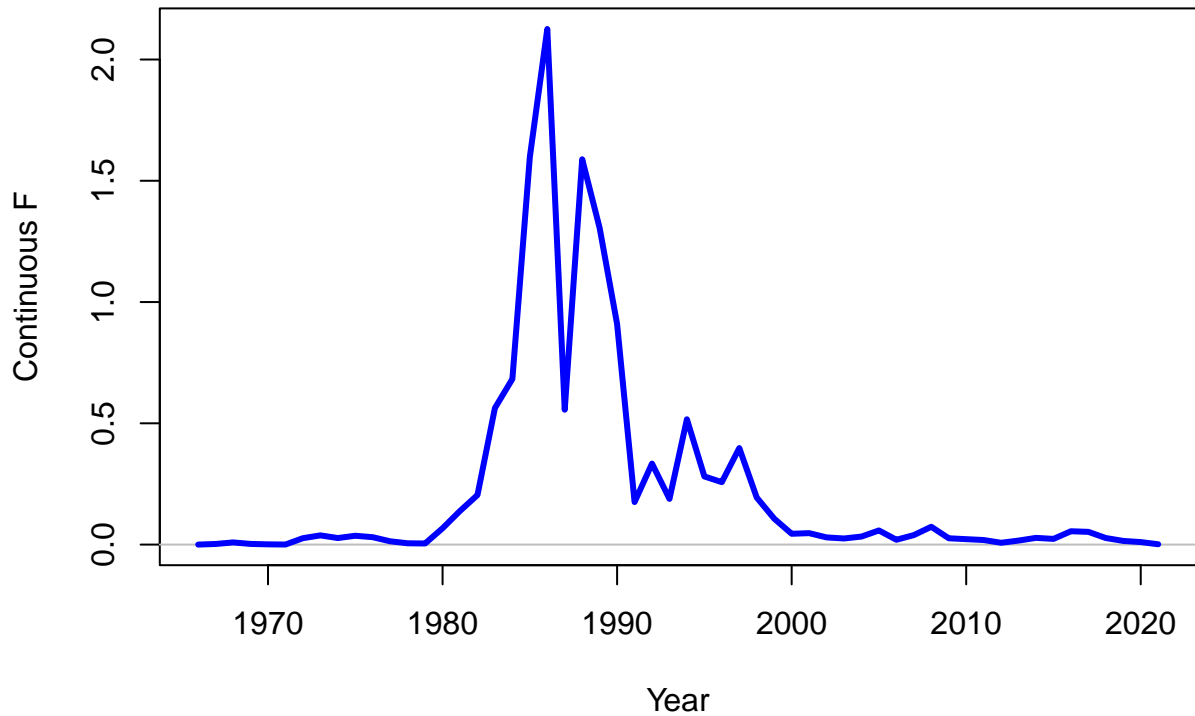




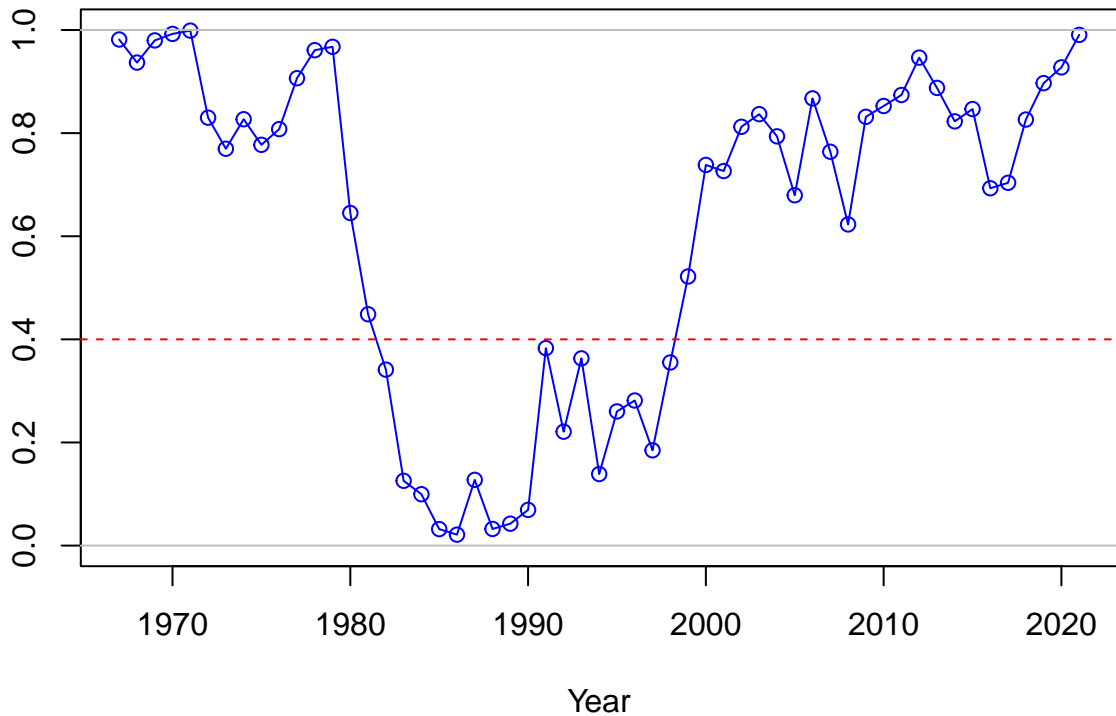




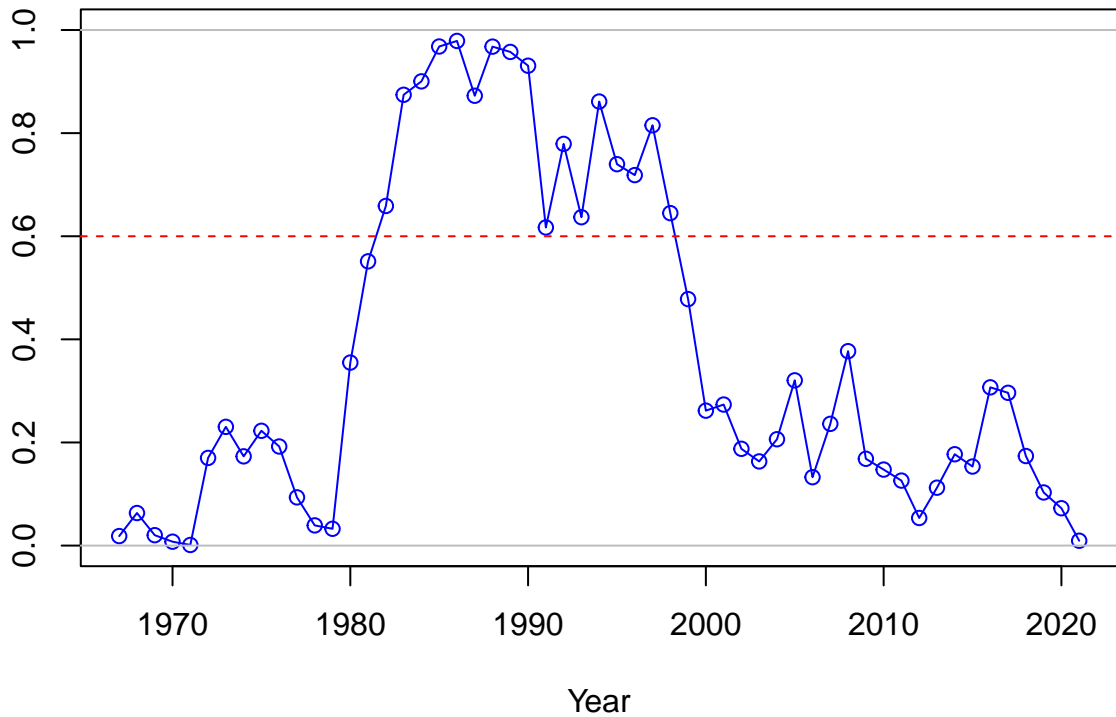




SPR

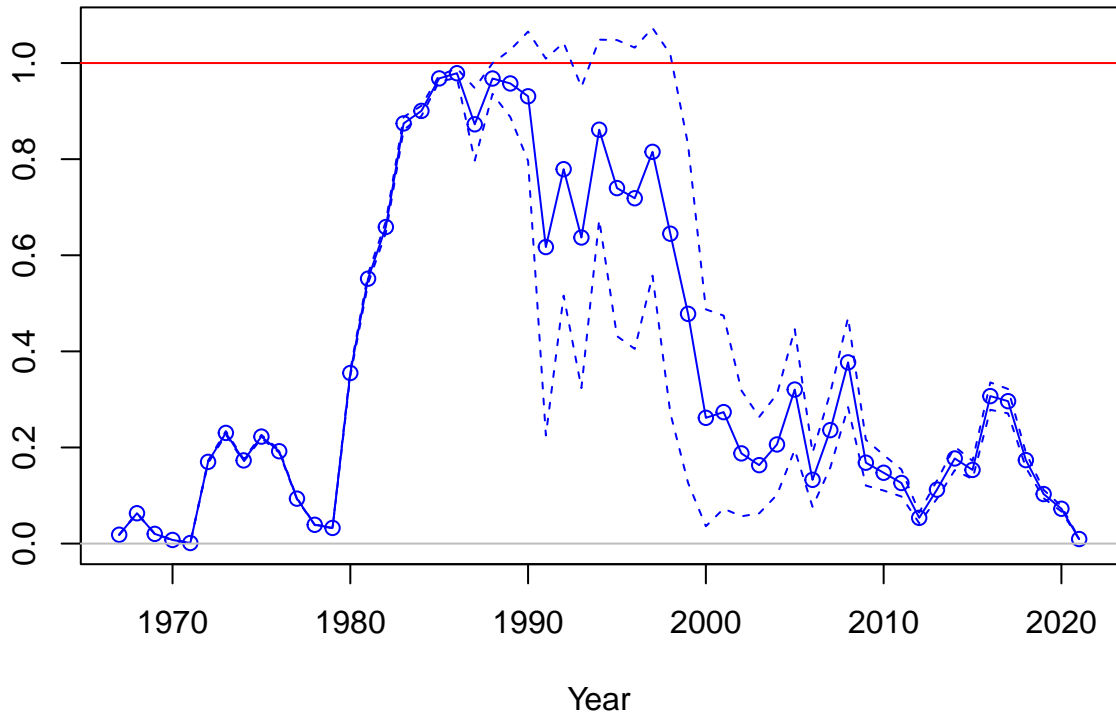


1-SPR

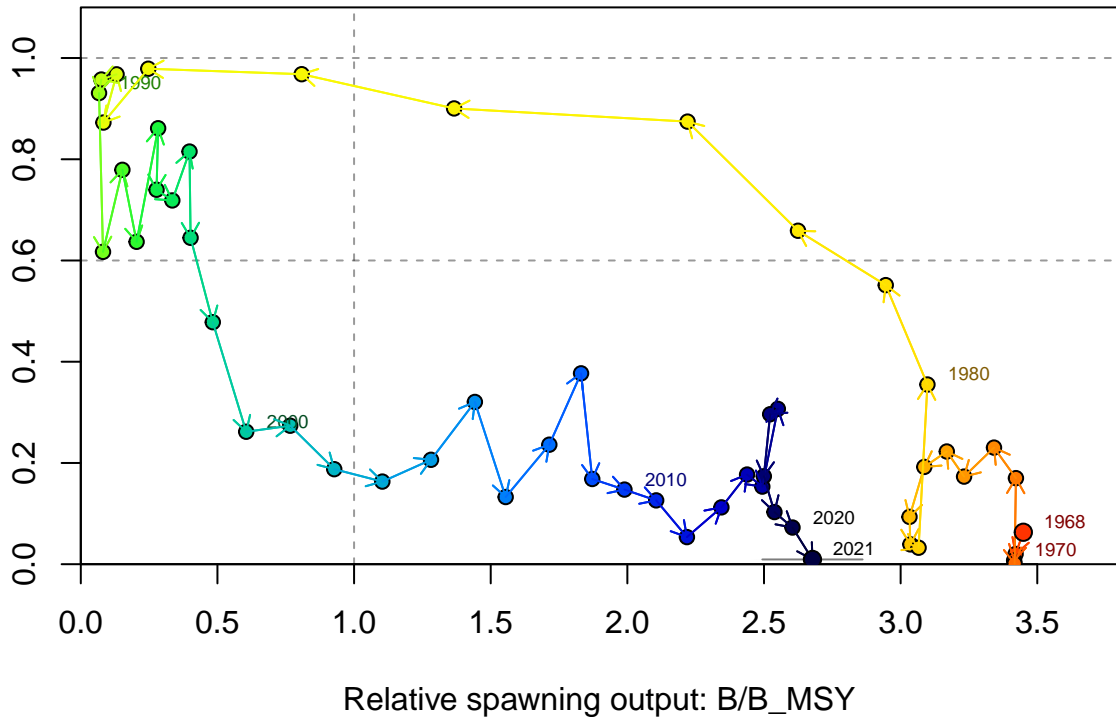




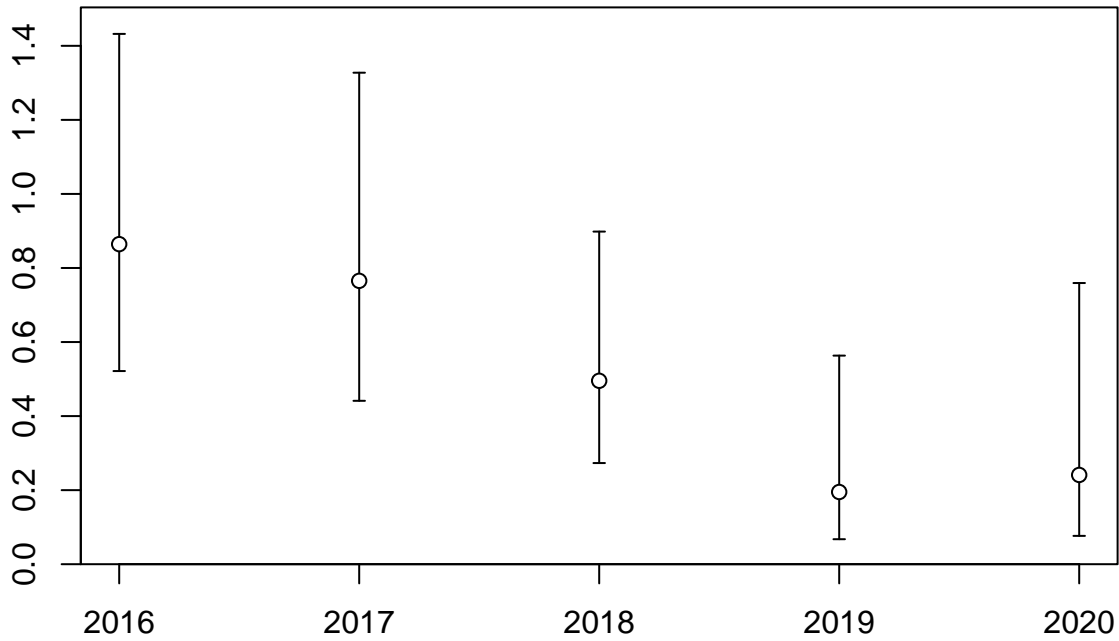
Fishing intensity: 1-SPR



Fishing intensity: 1-SPR

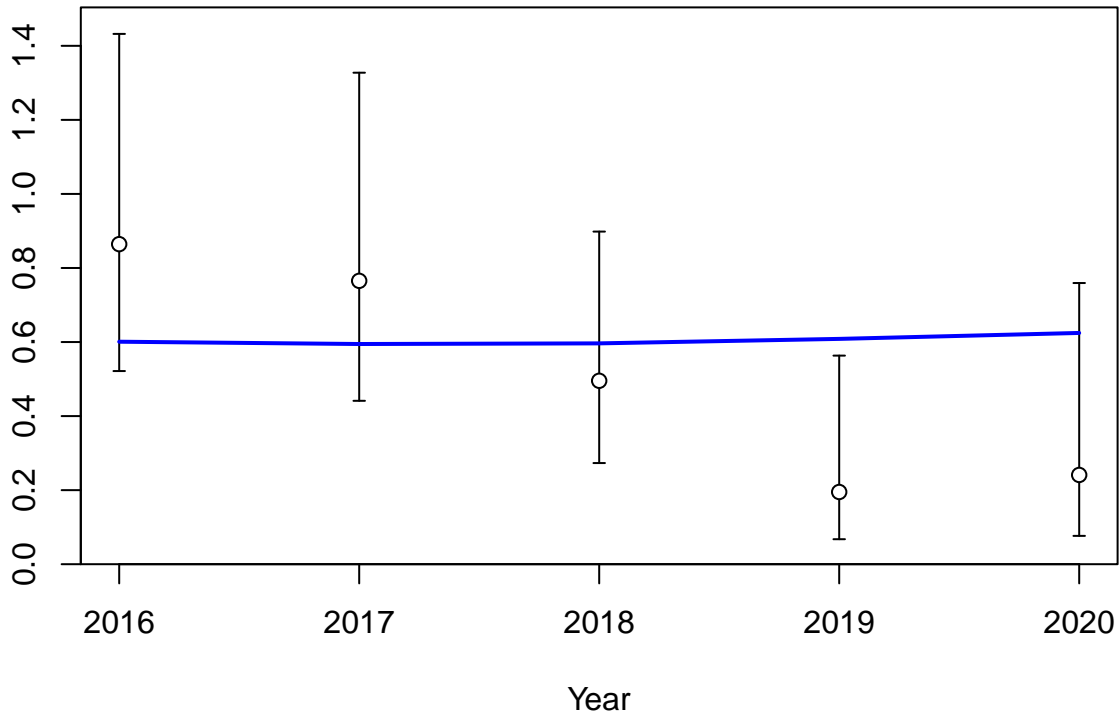


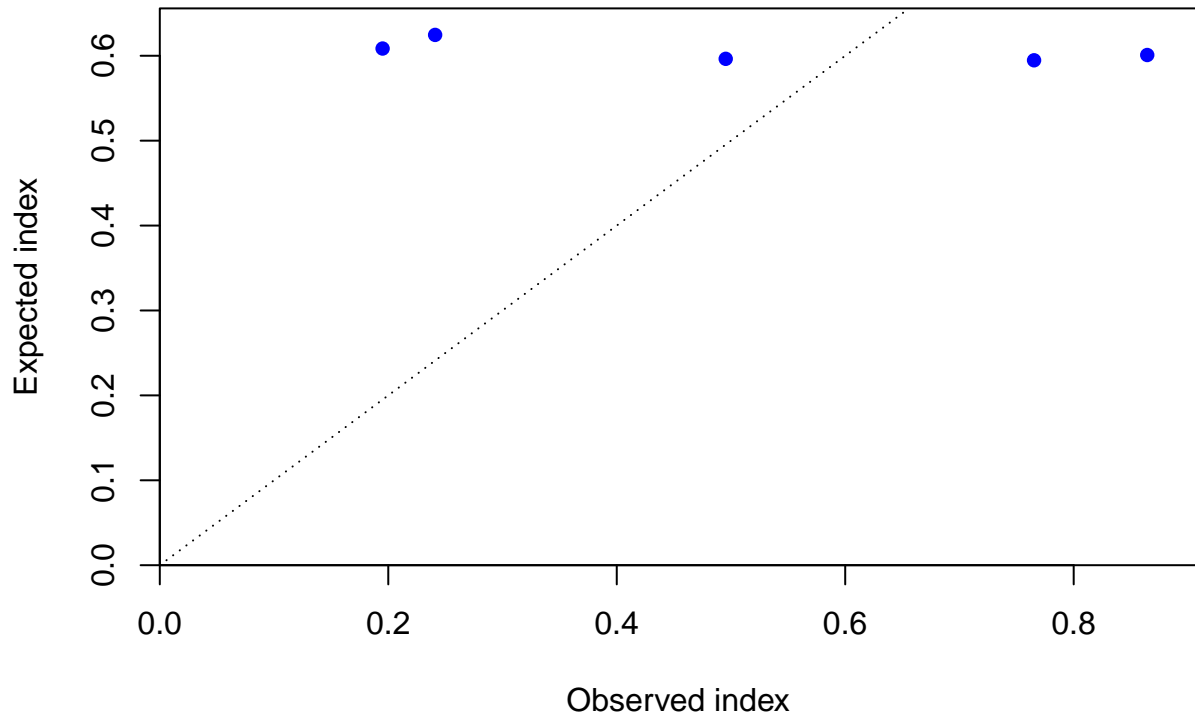
Index

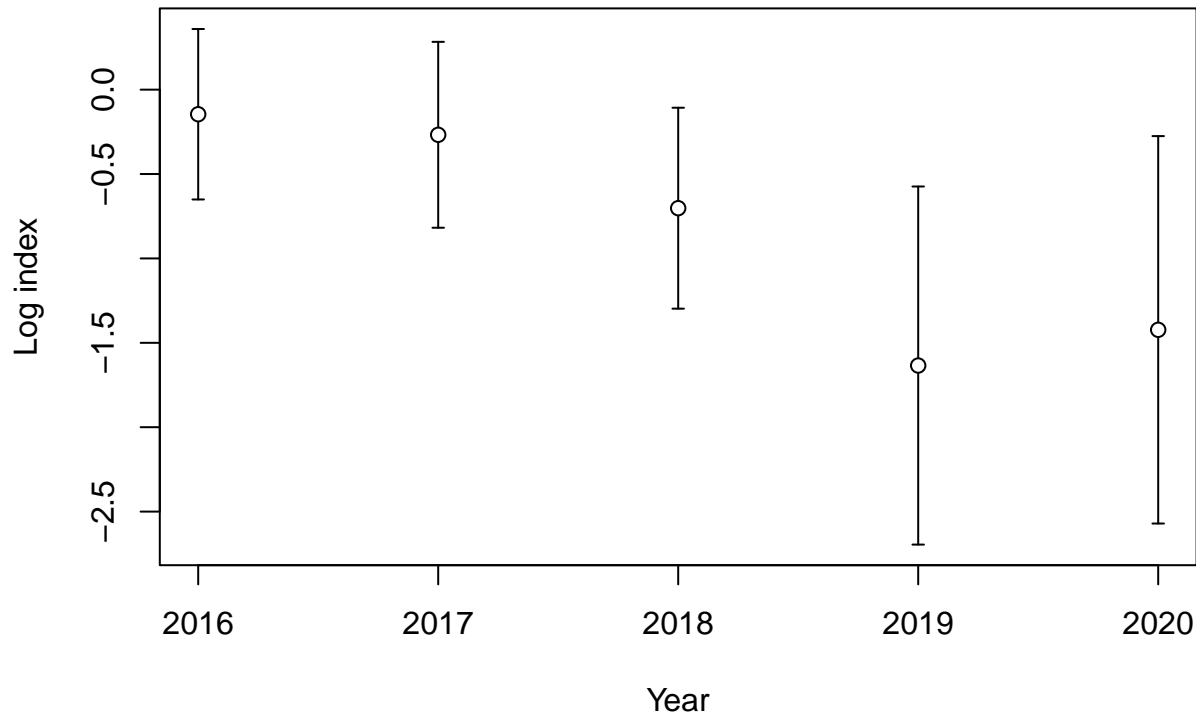


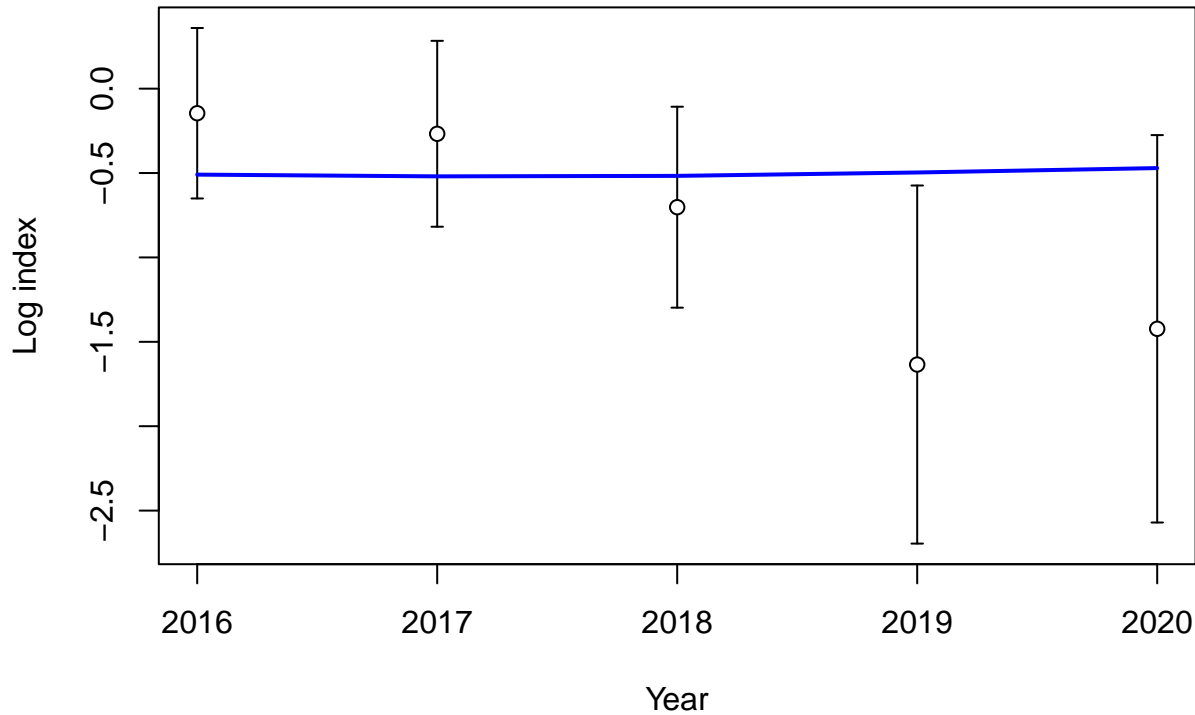
Year

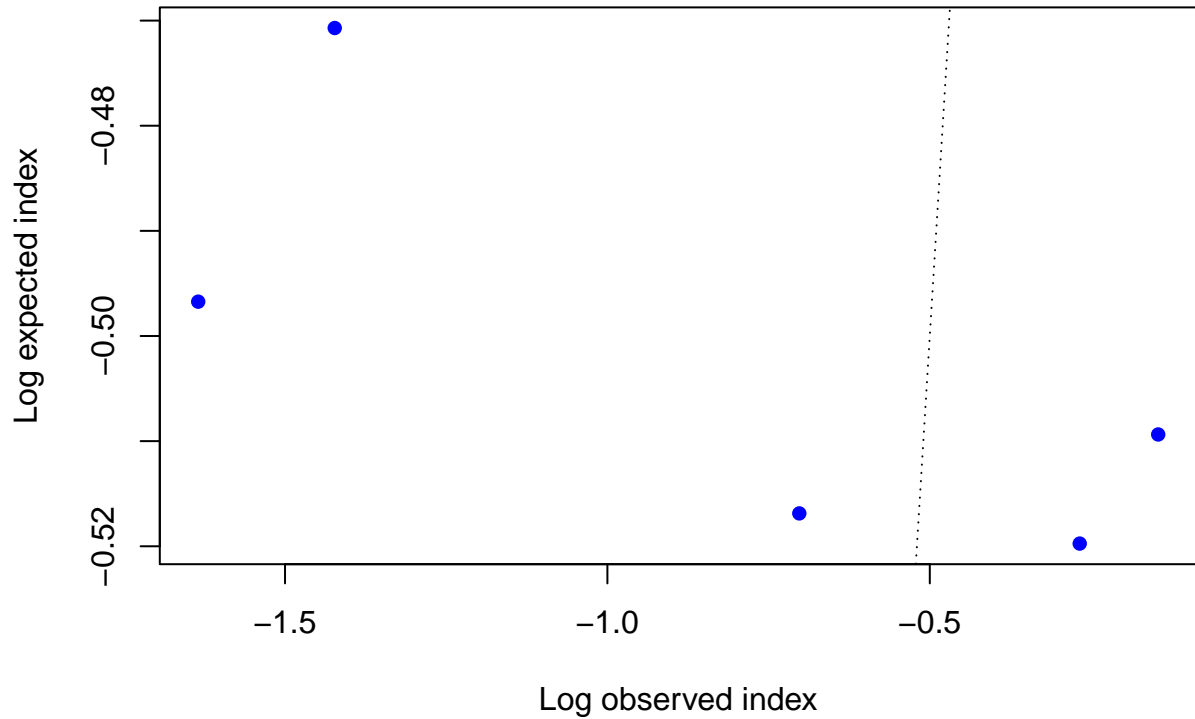
Index





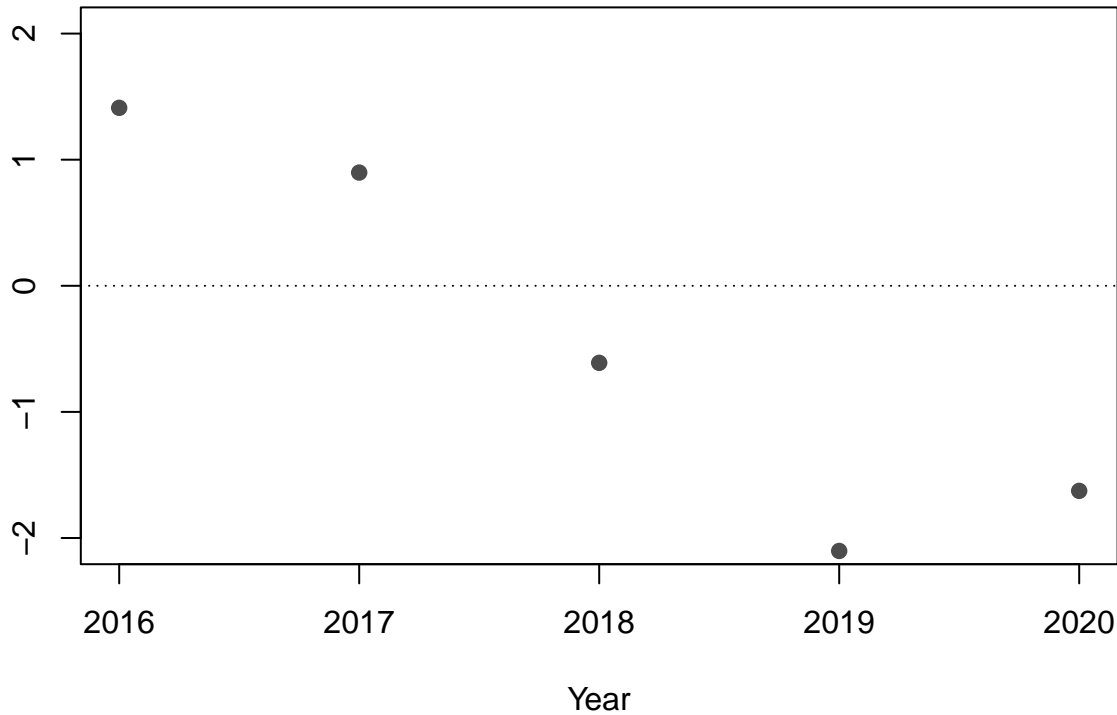


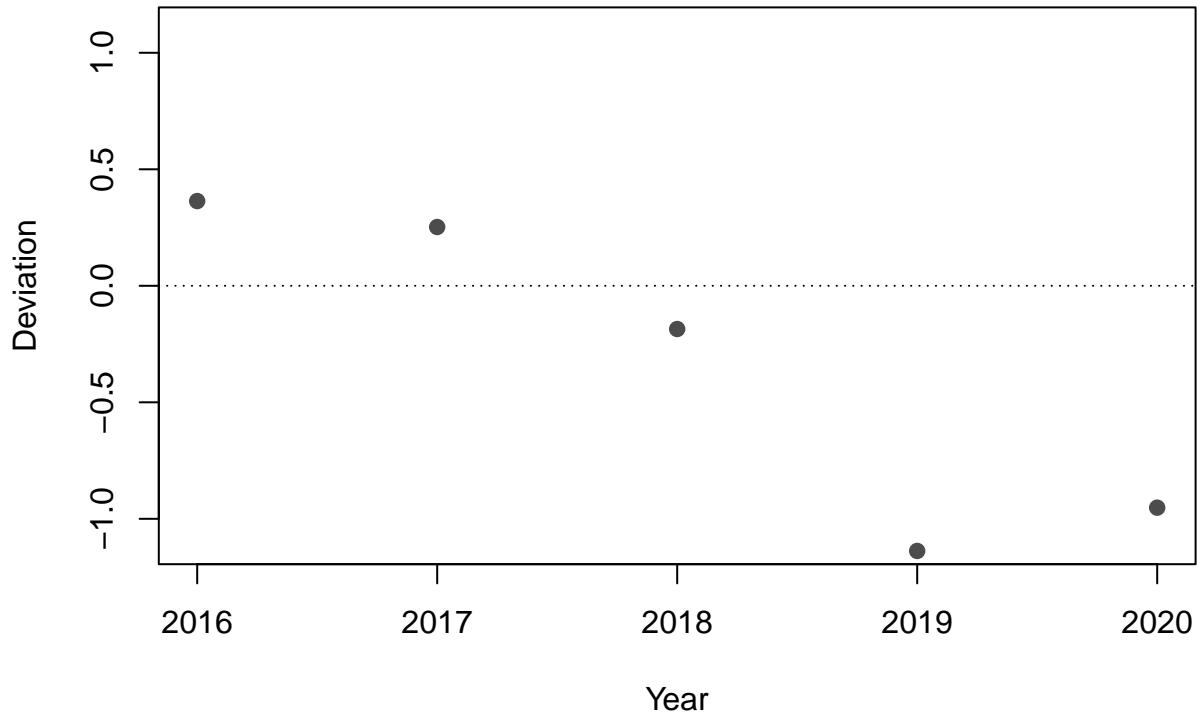


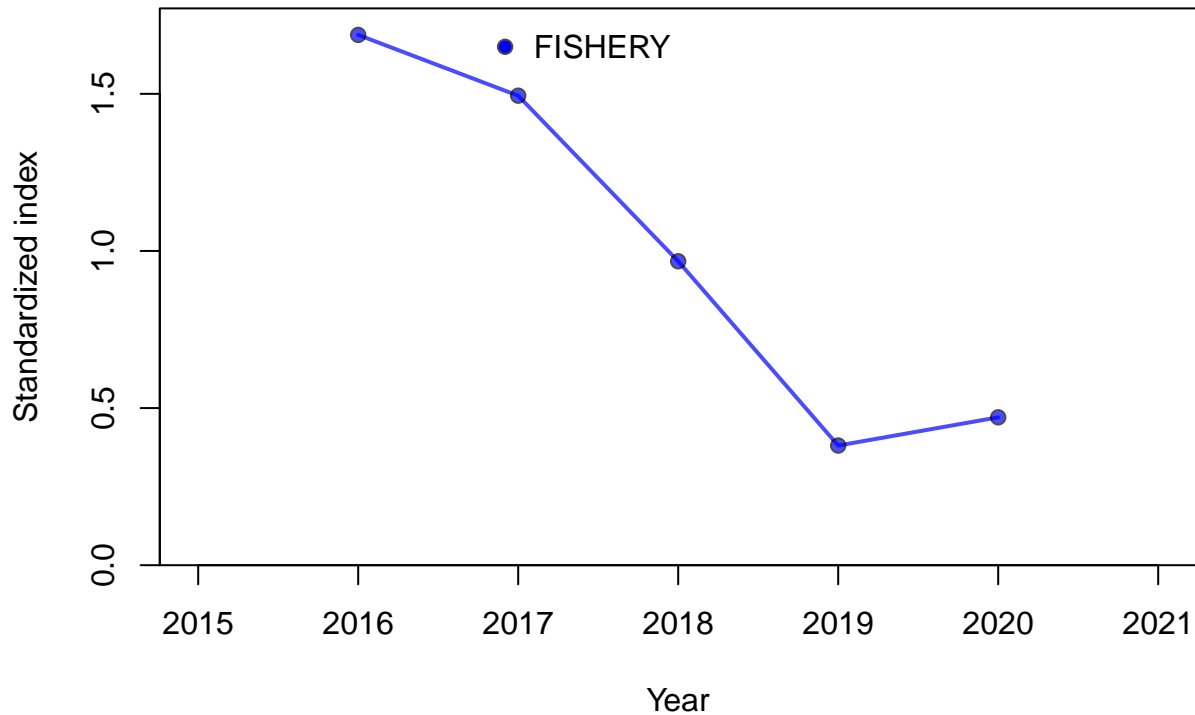


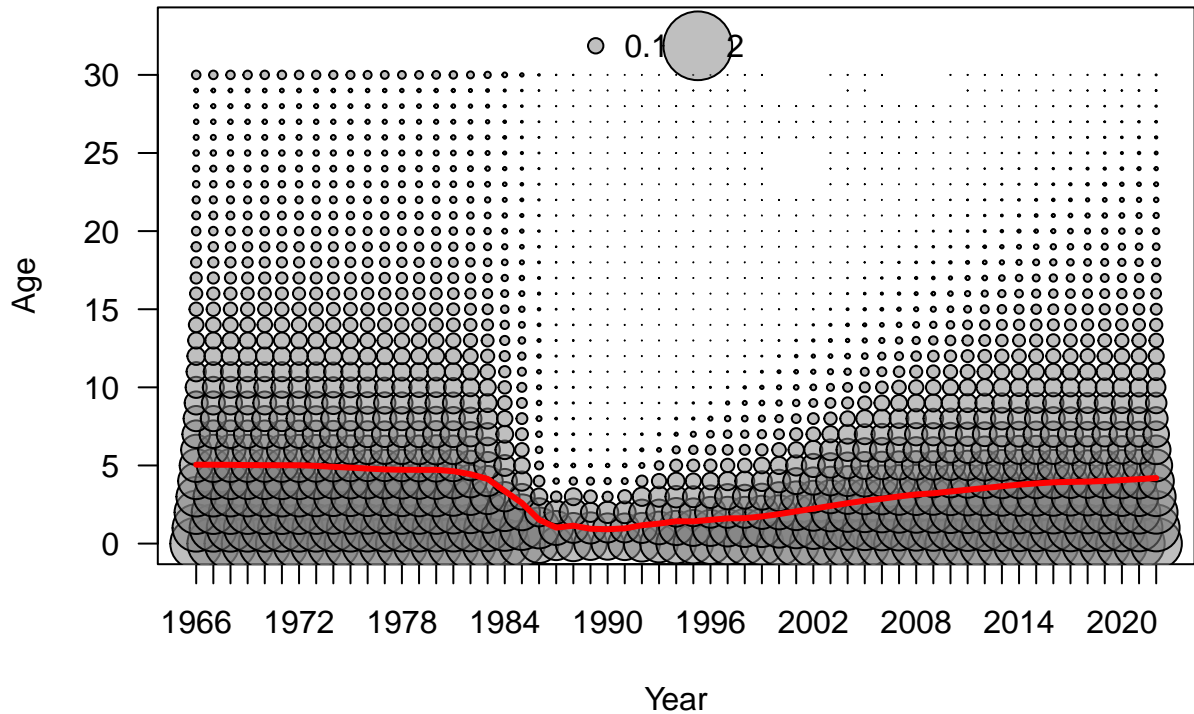


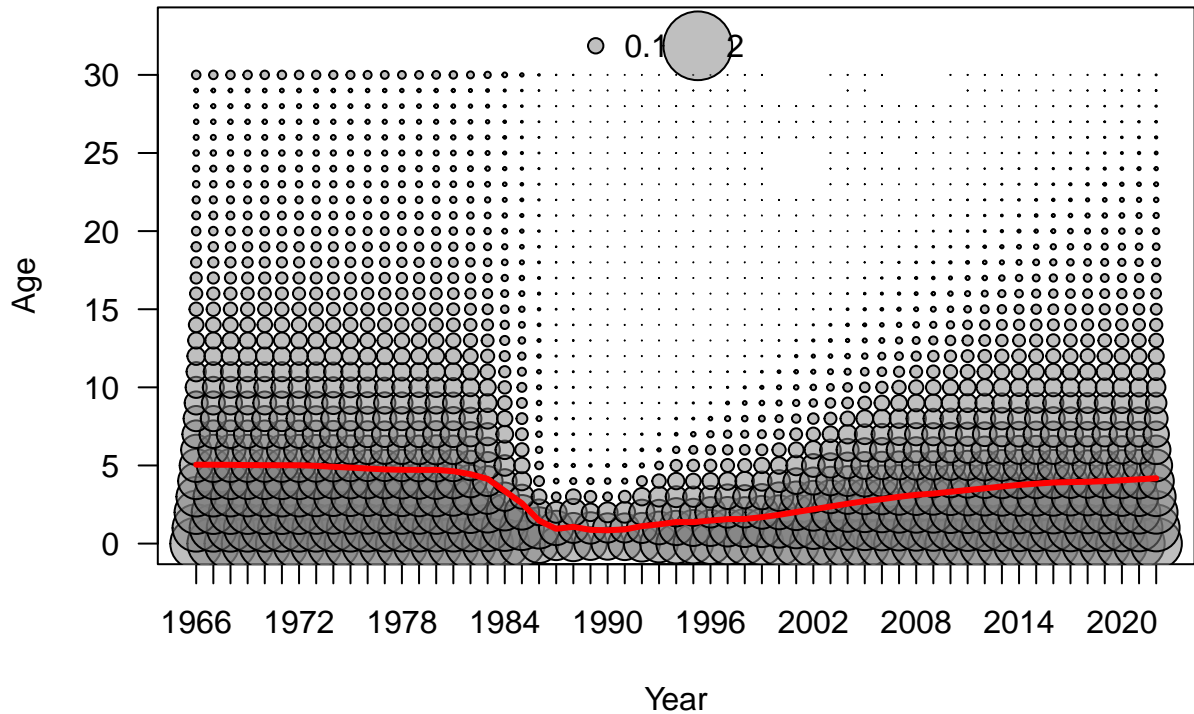
Residual

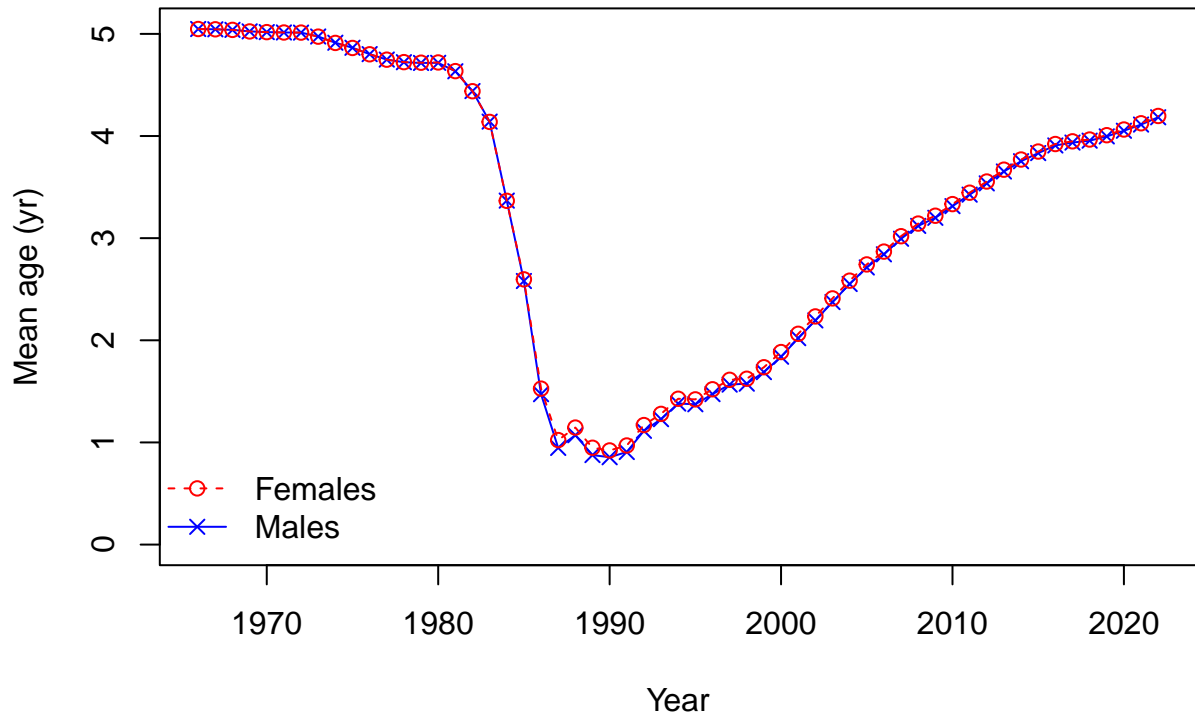


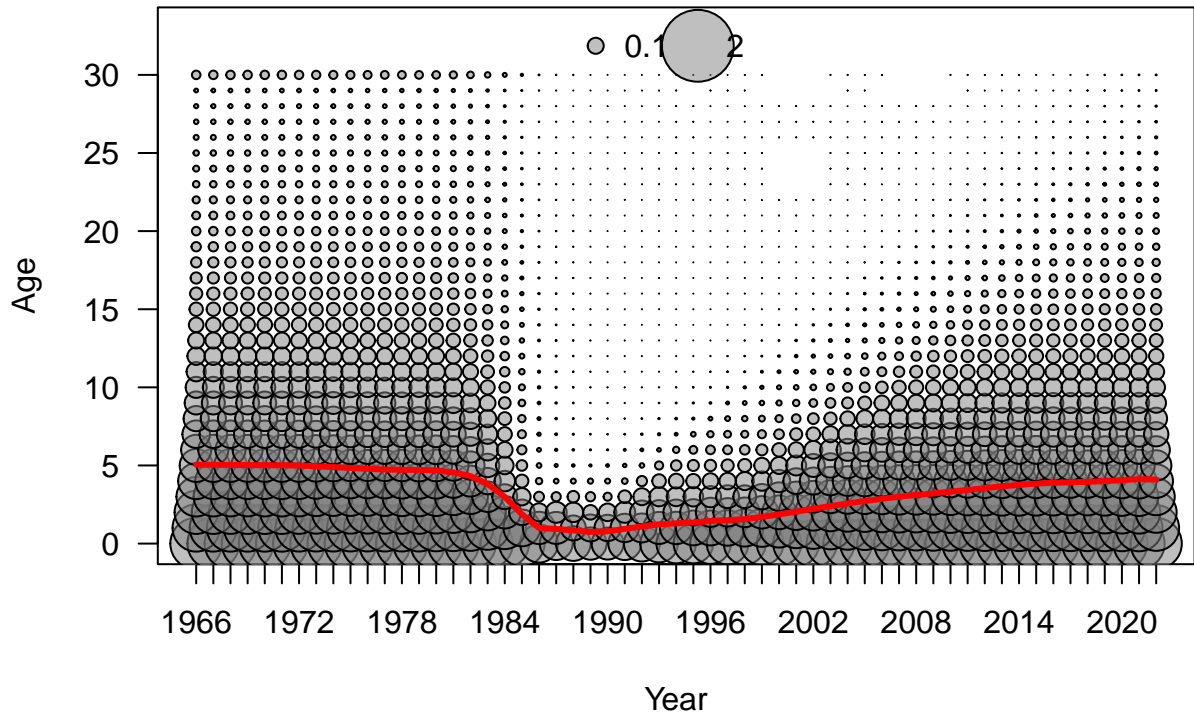


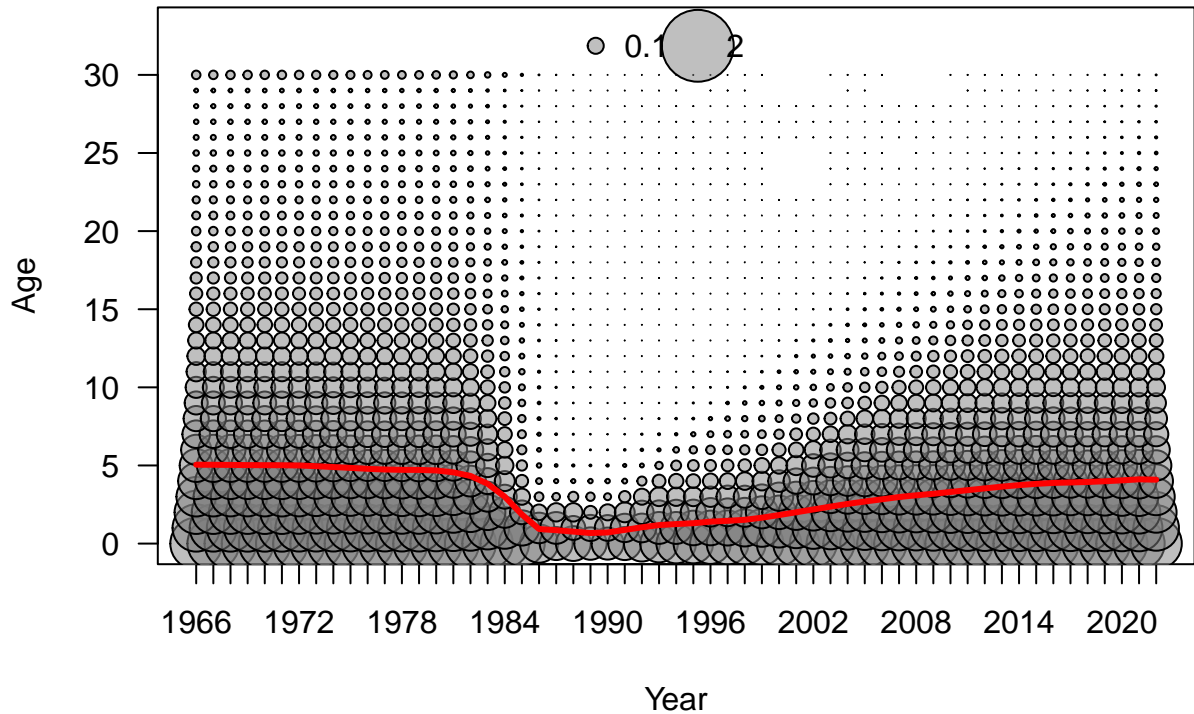




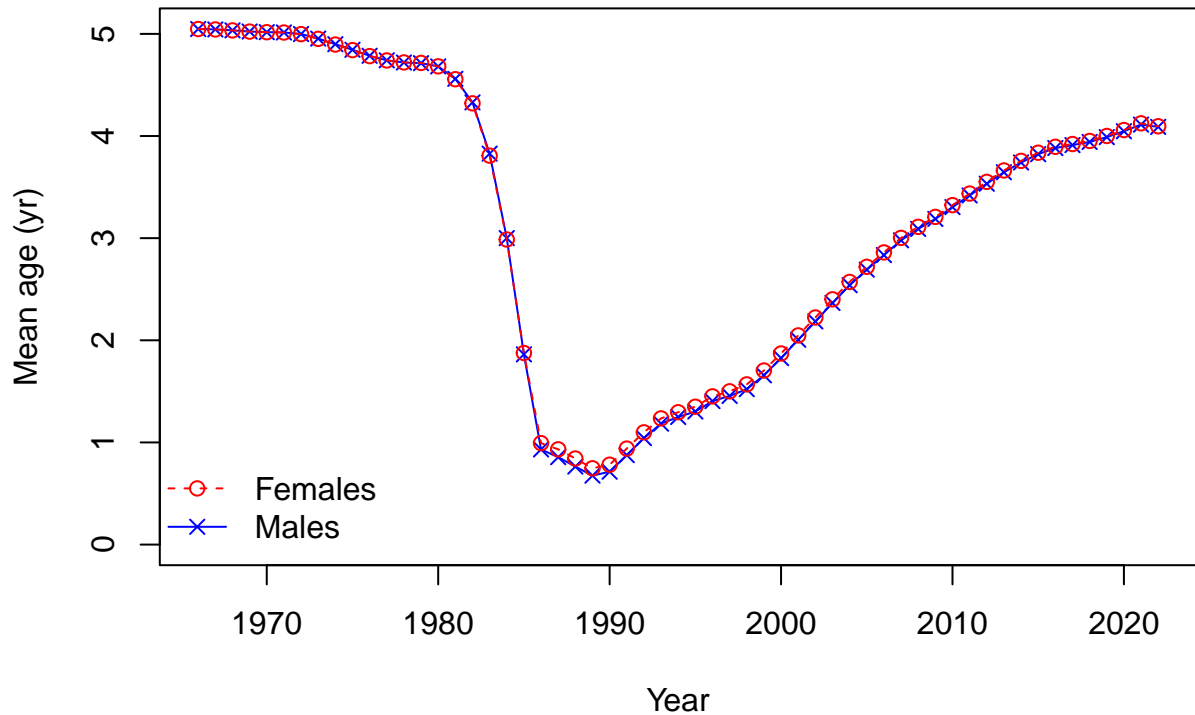


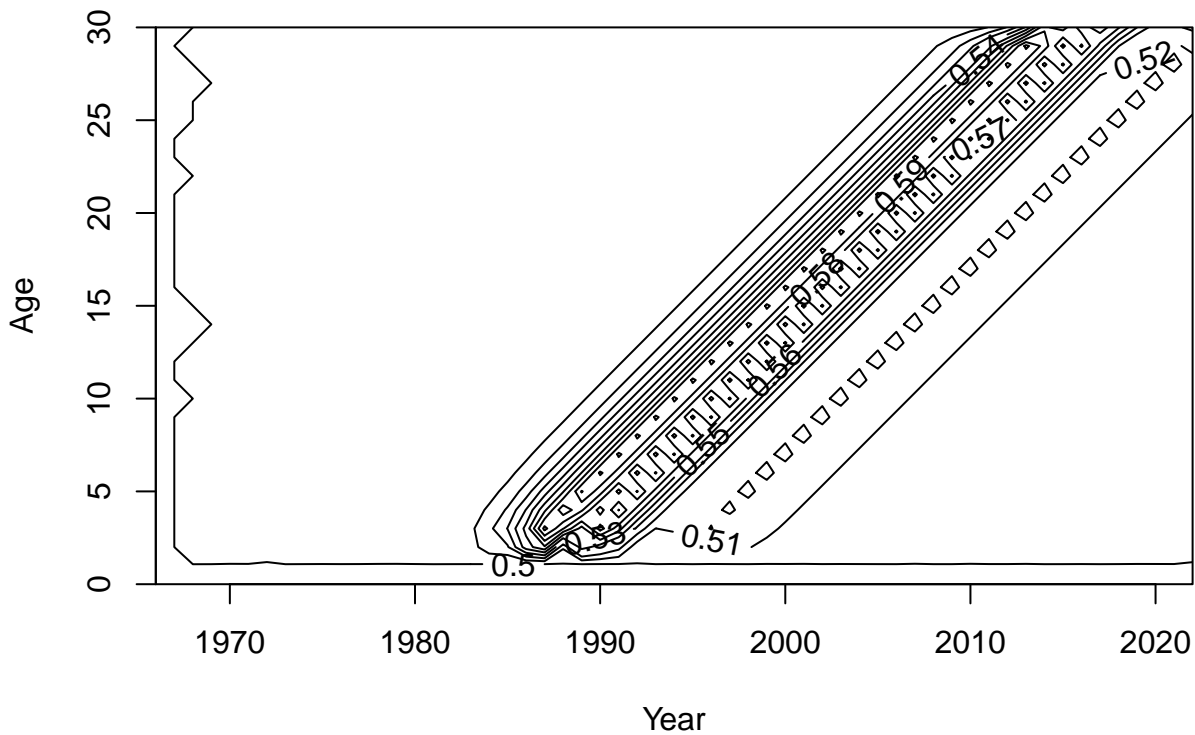


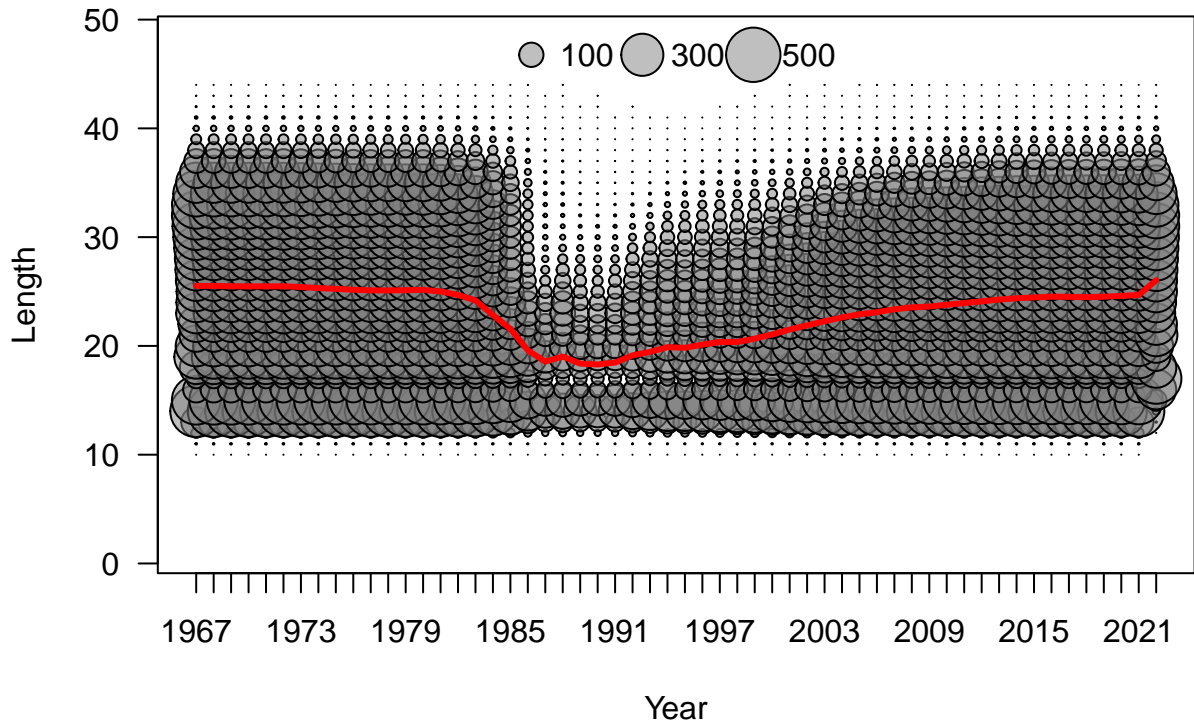


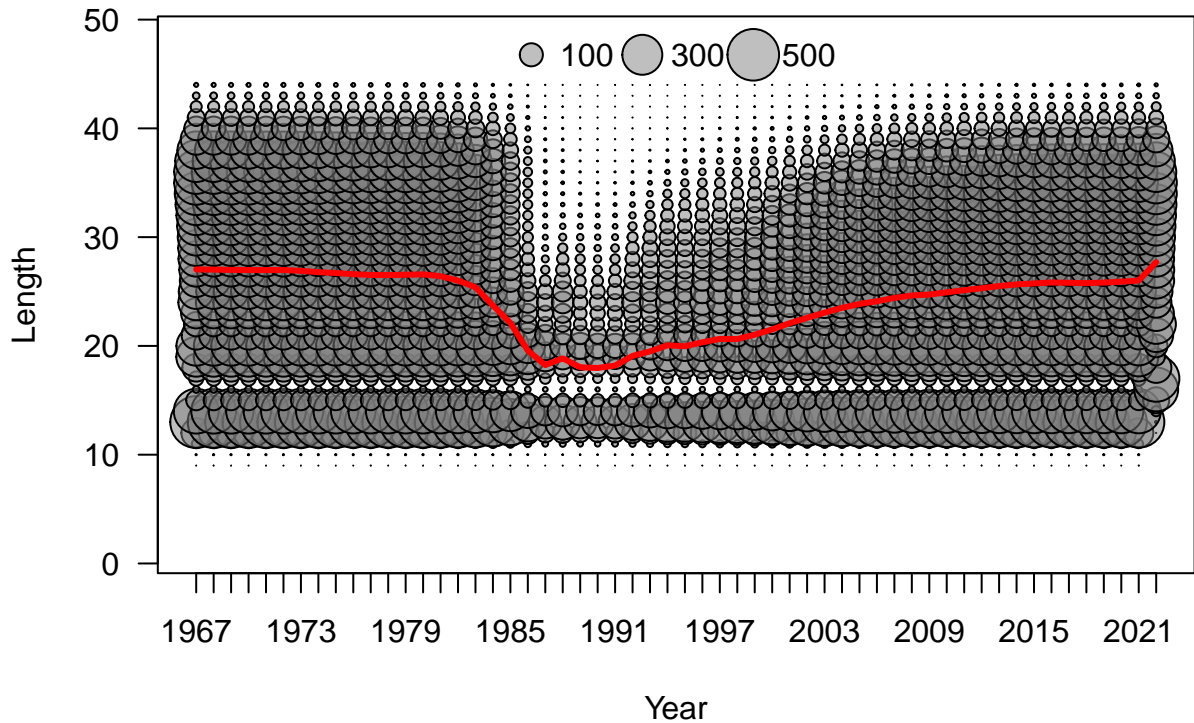


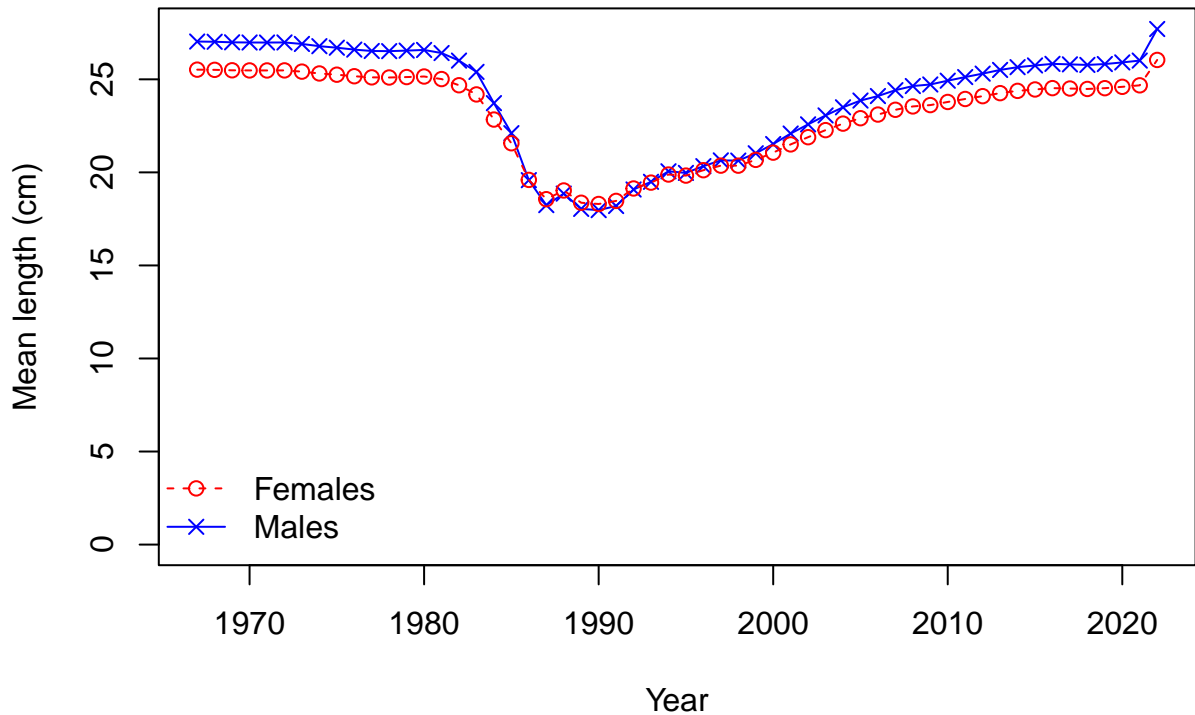


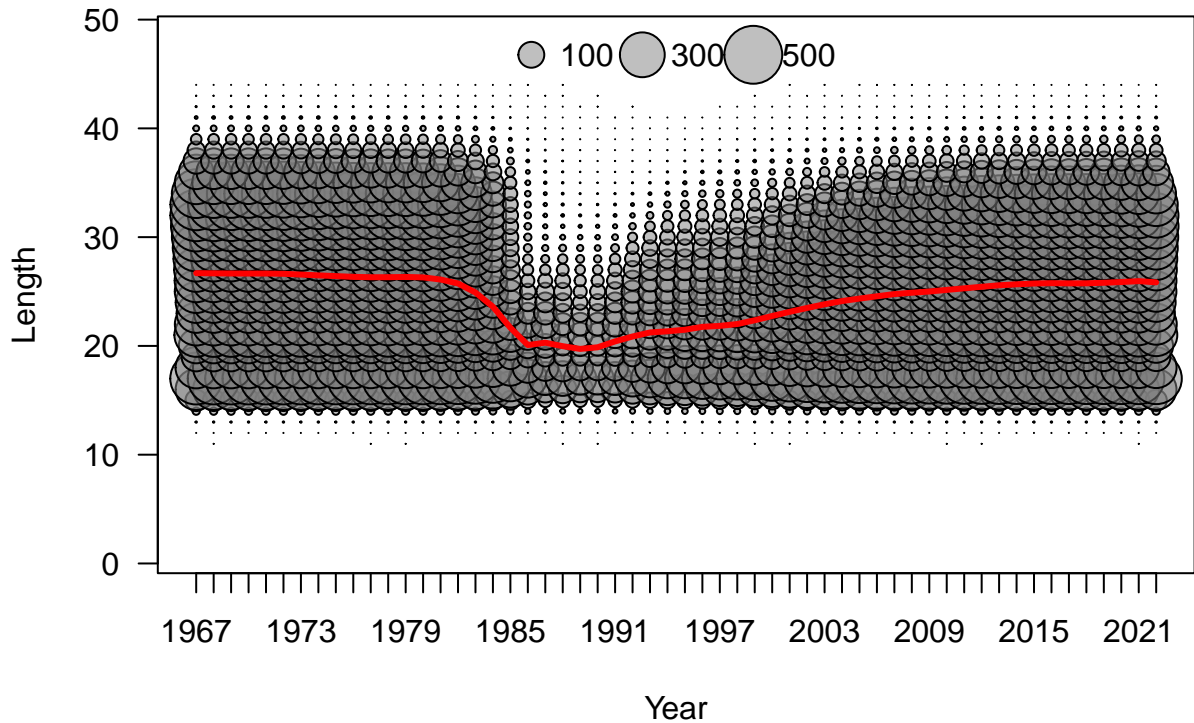


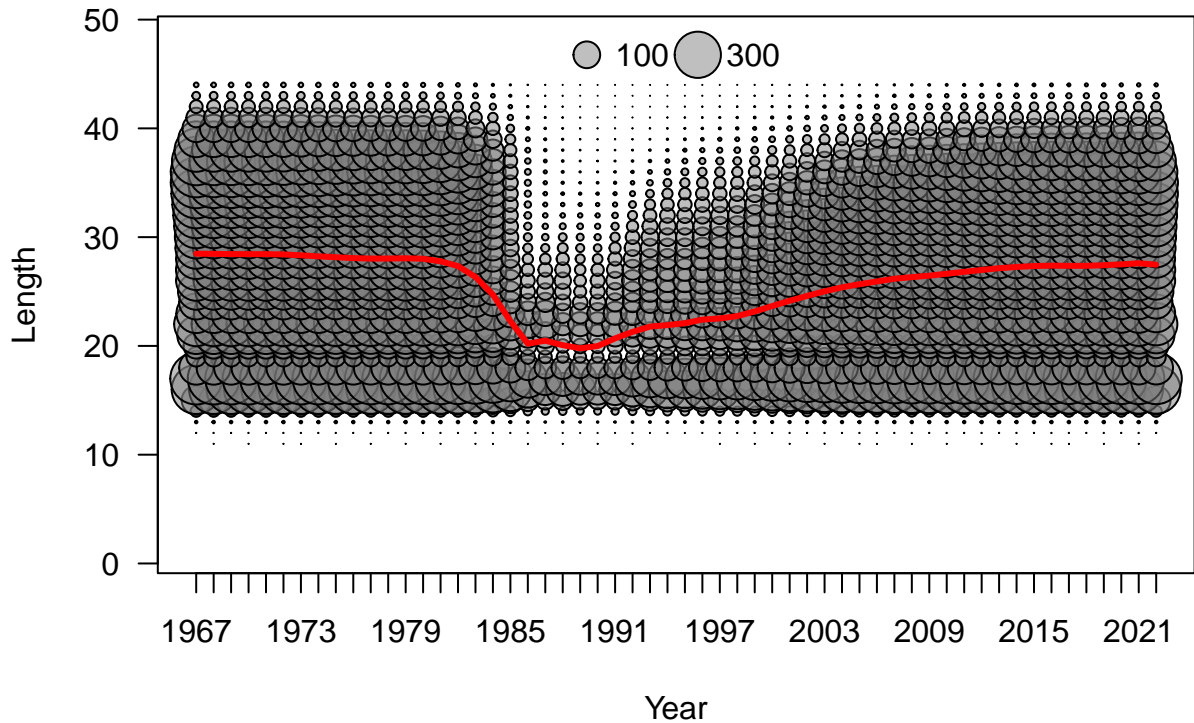


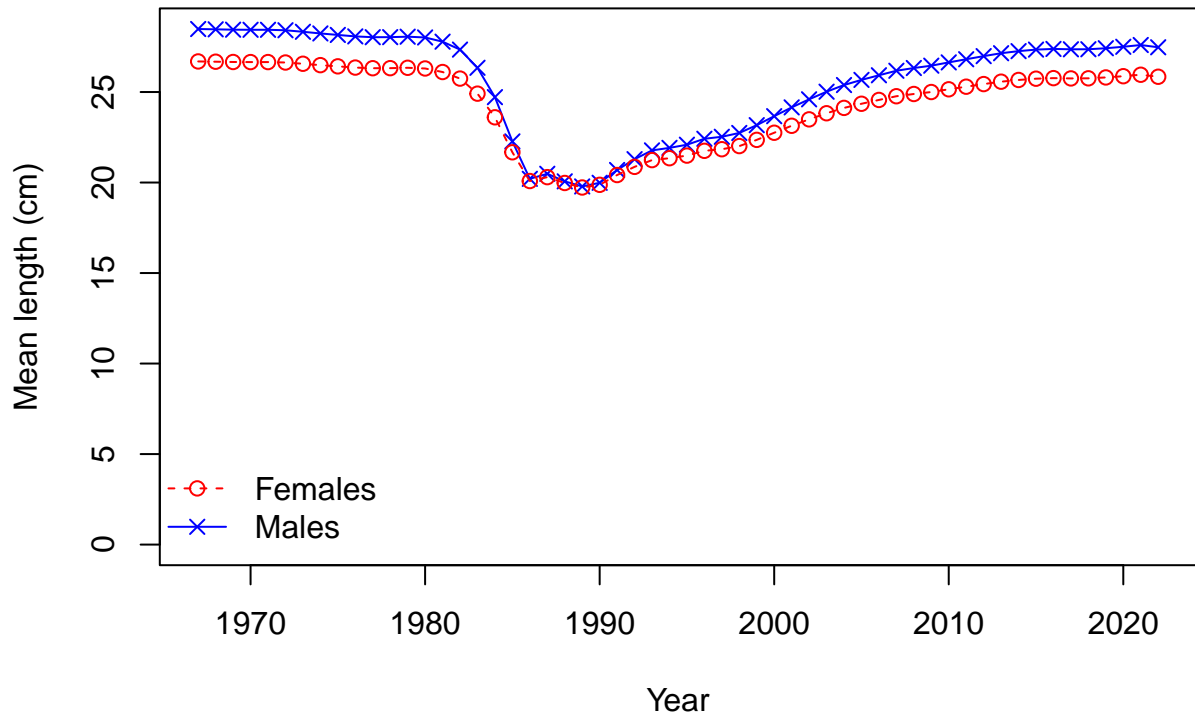






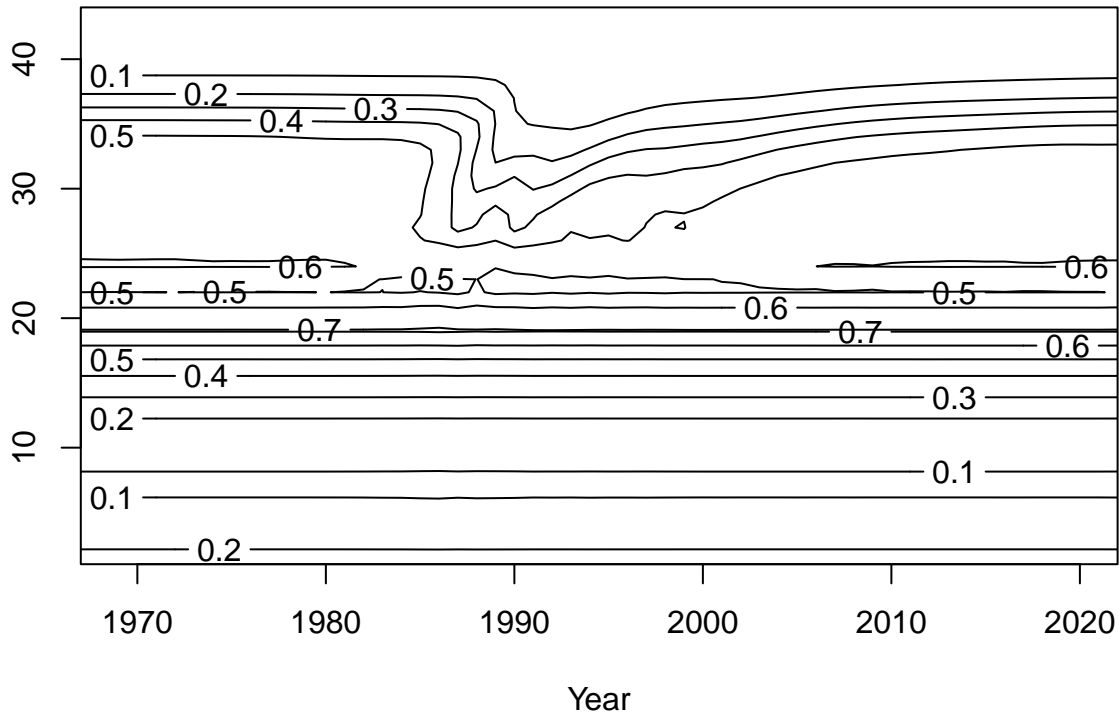


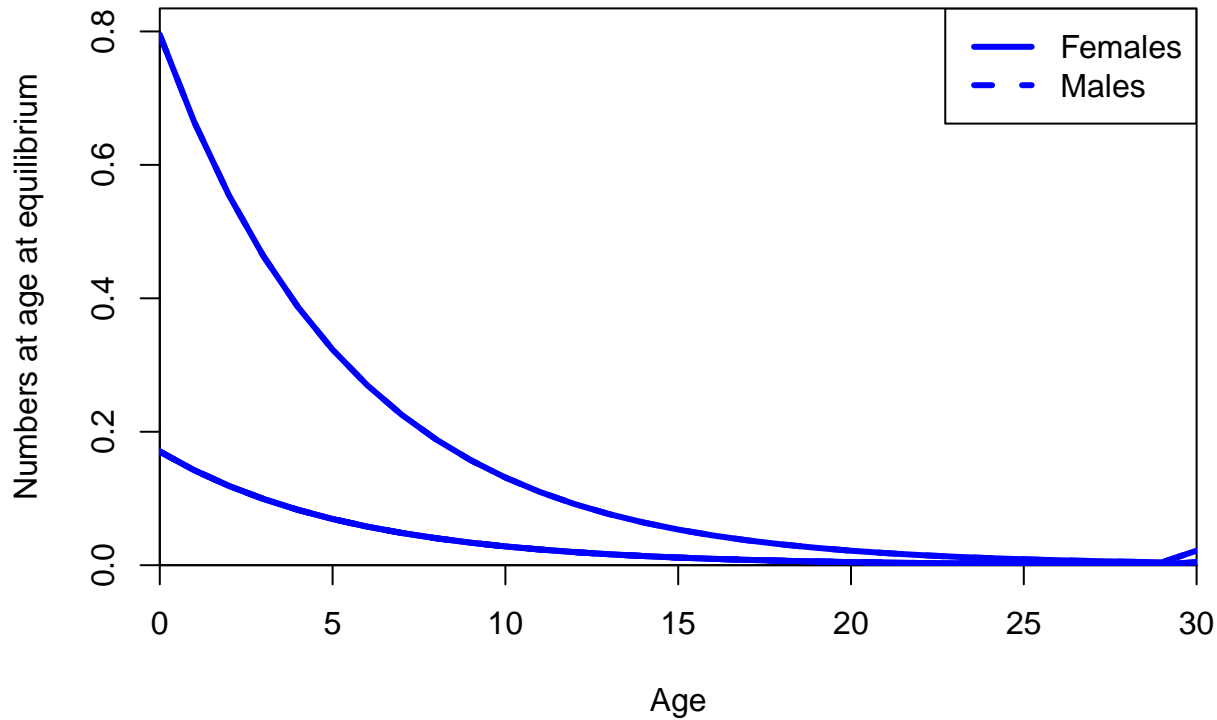






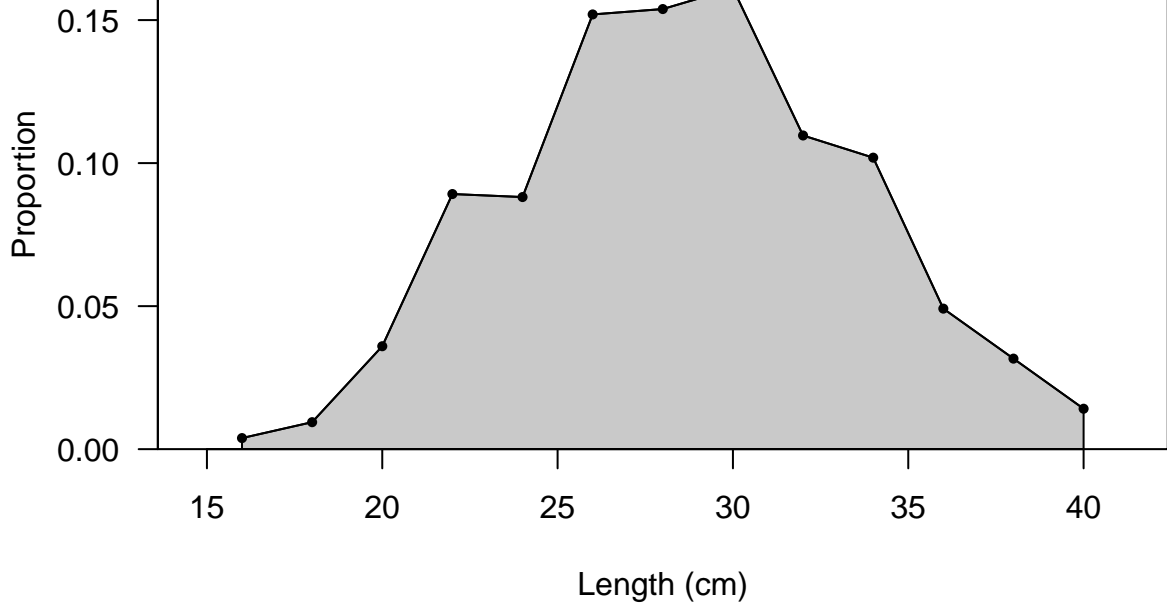
Length





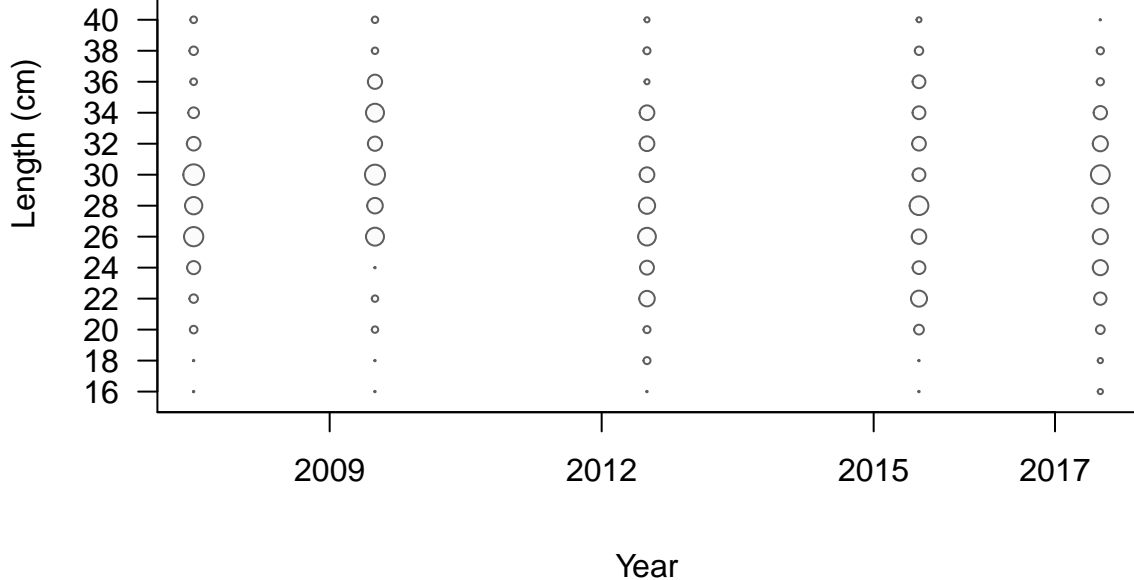
# FISHERY

Sum of N input=286

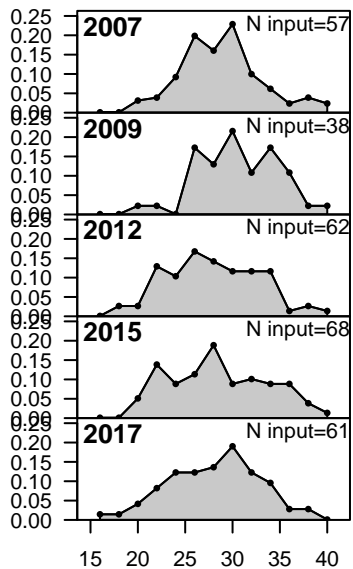


# FISHERY

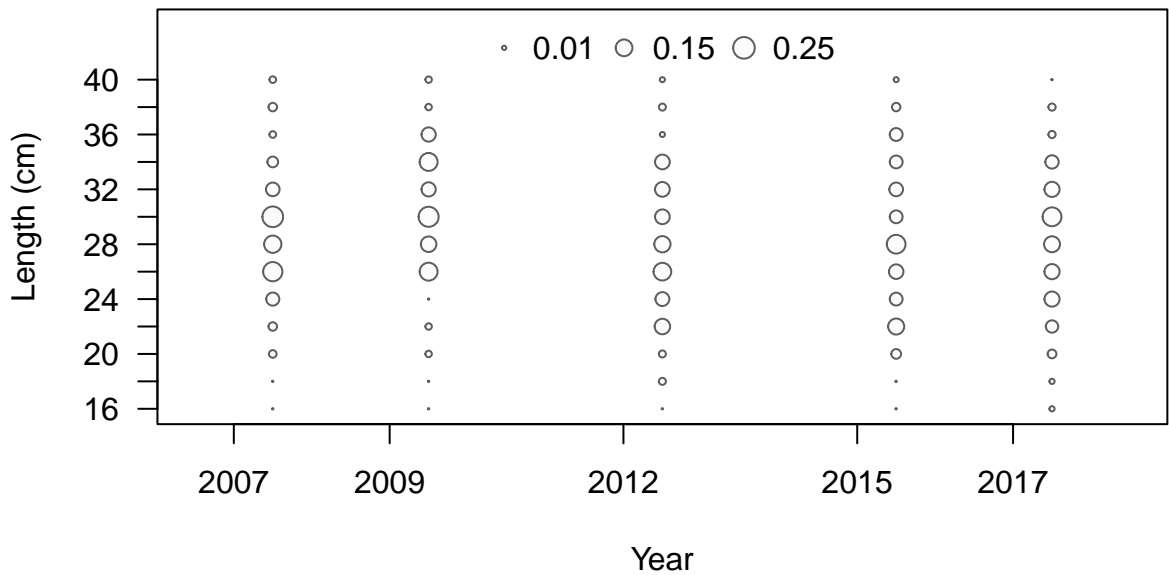
◦ 0.01 ○ 0.15 ○ 0.25



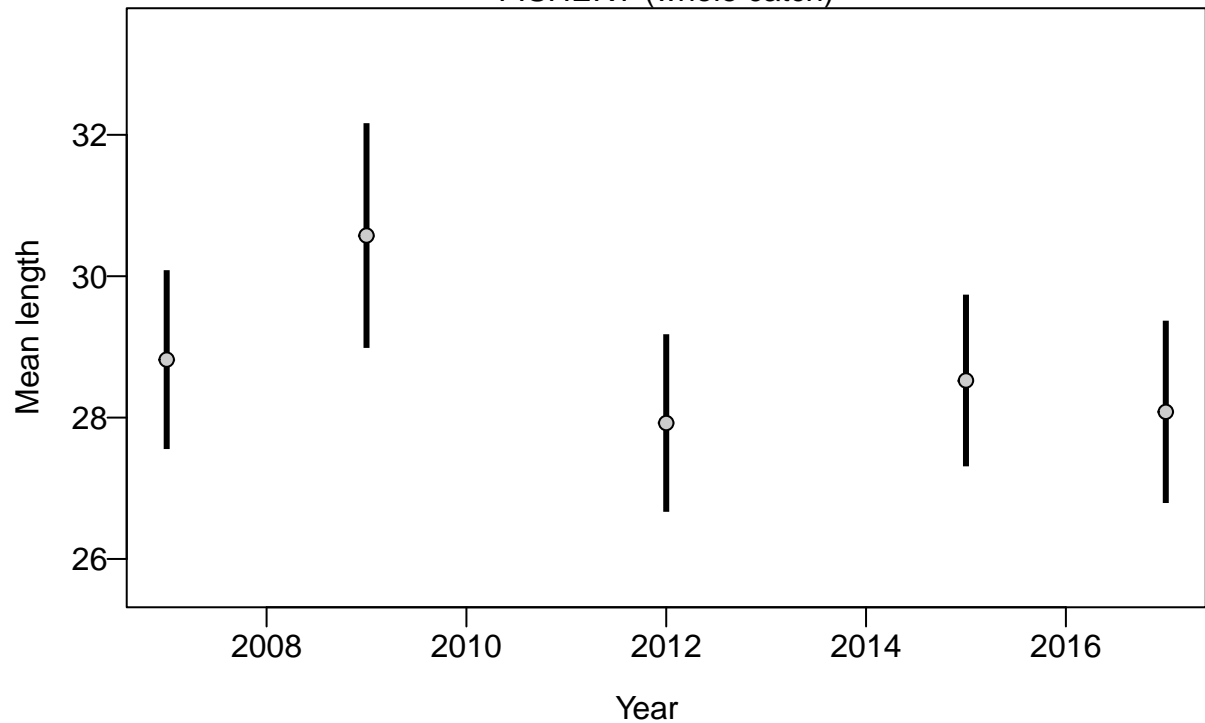
Proportion



Length (cm)

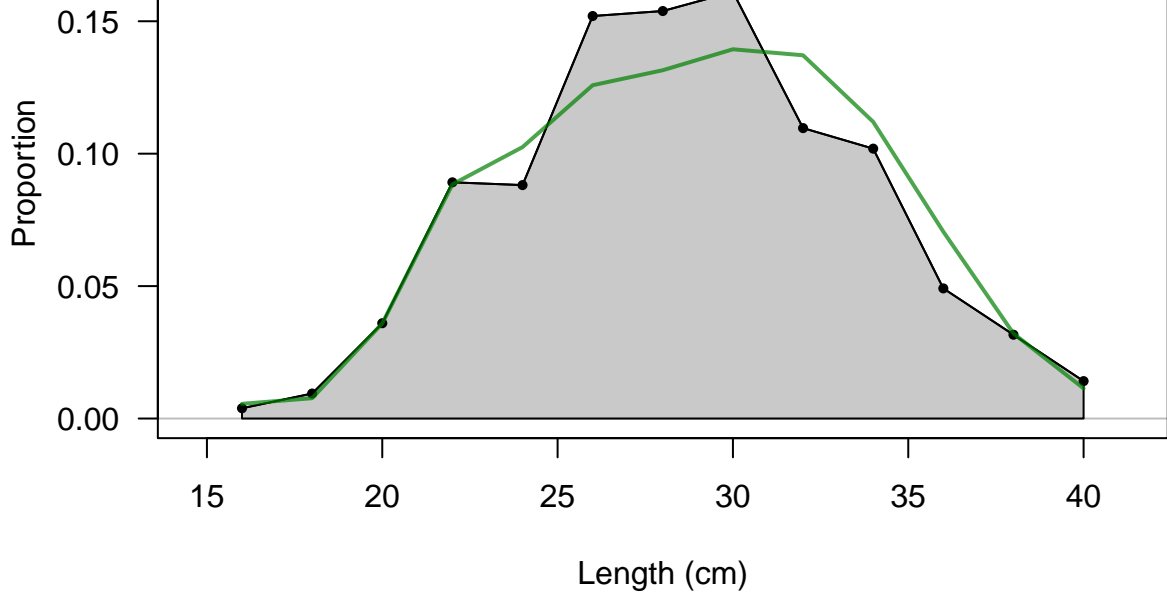


## FISHERY (whole catch)



# FISHERY

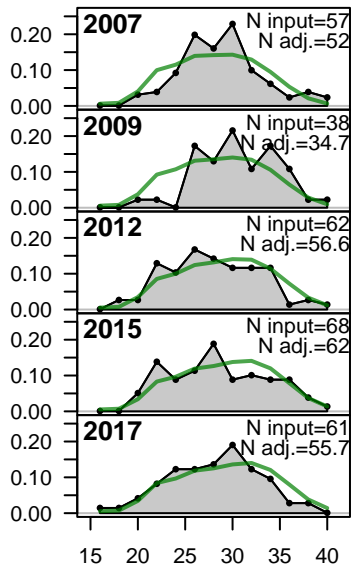
Sum of N input=286  
Sum of N adj.=261



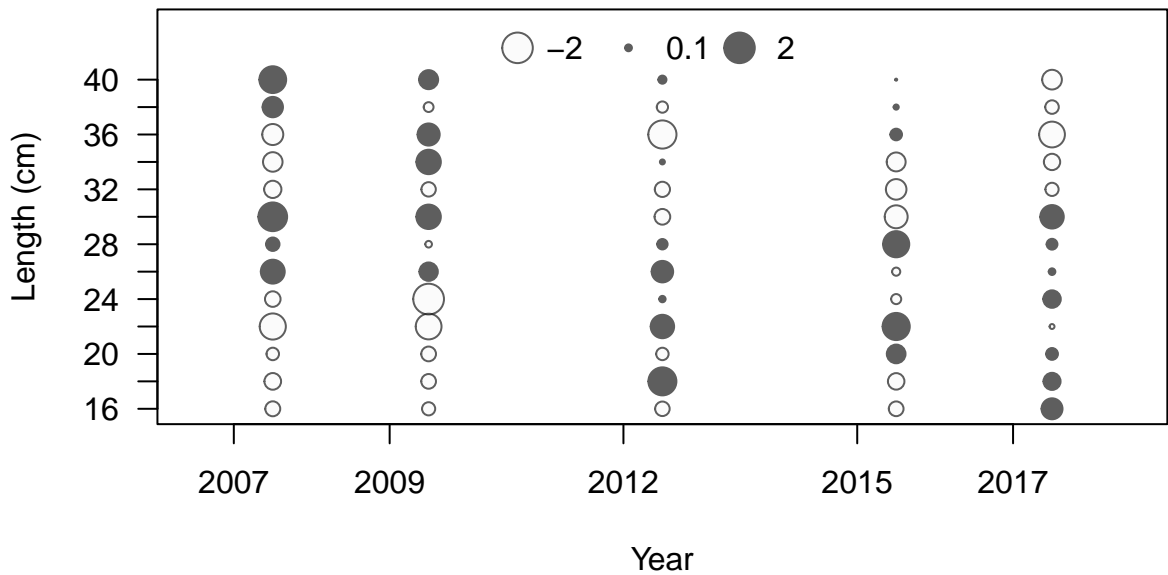




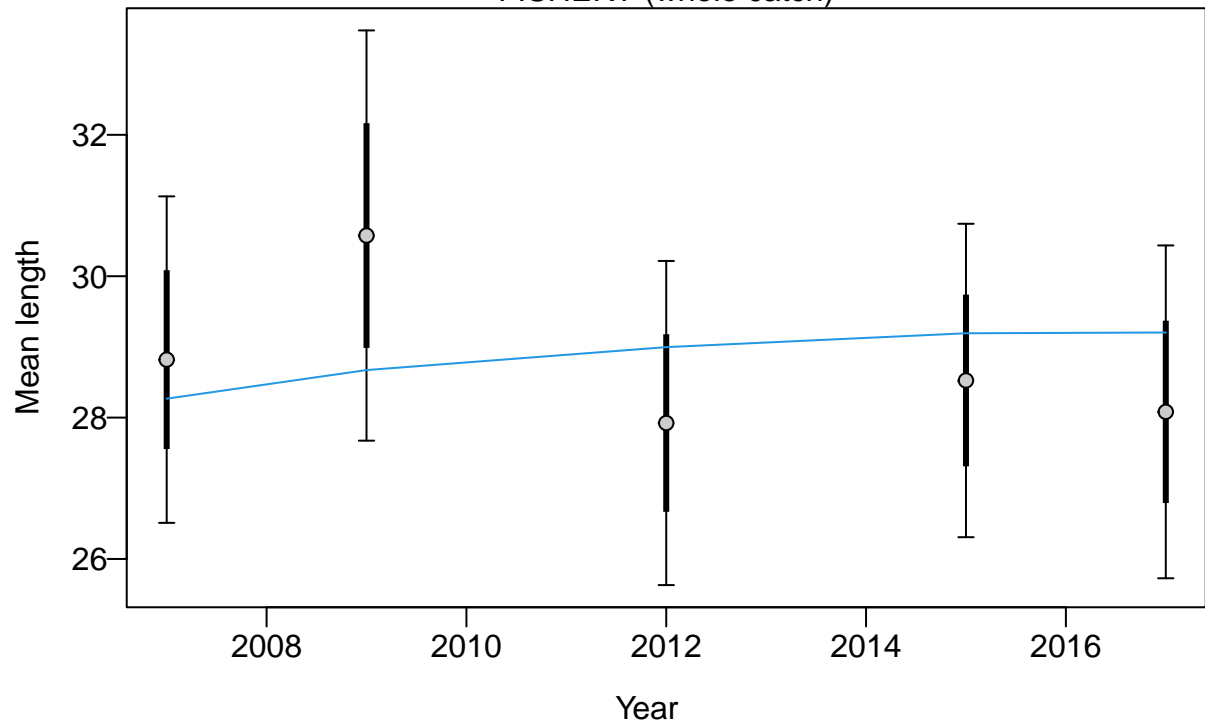
Proportion

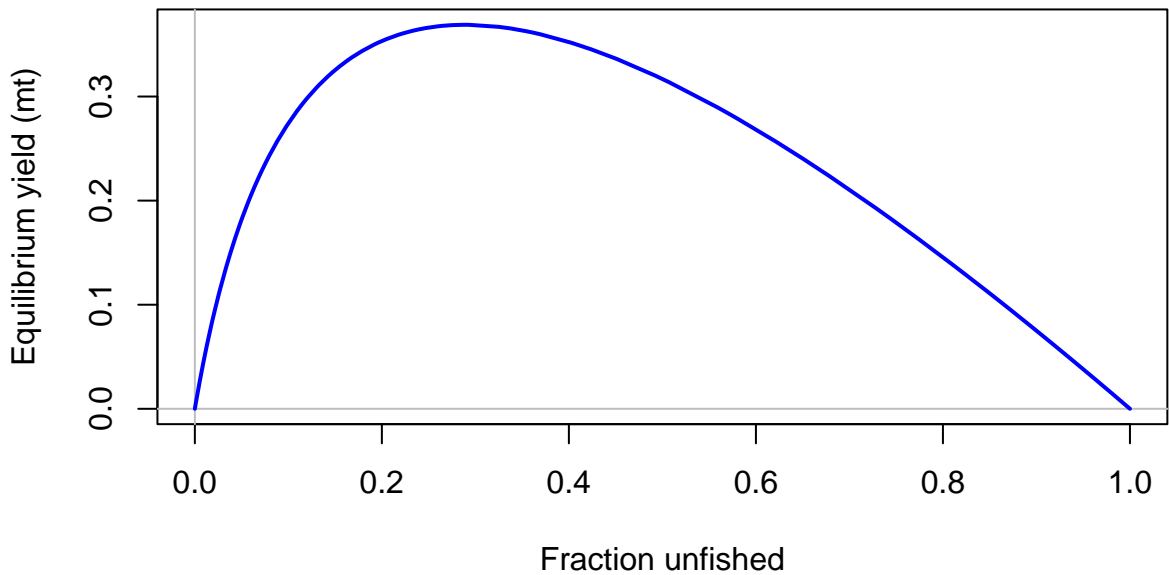


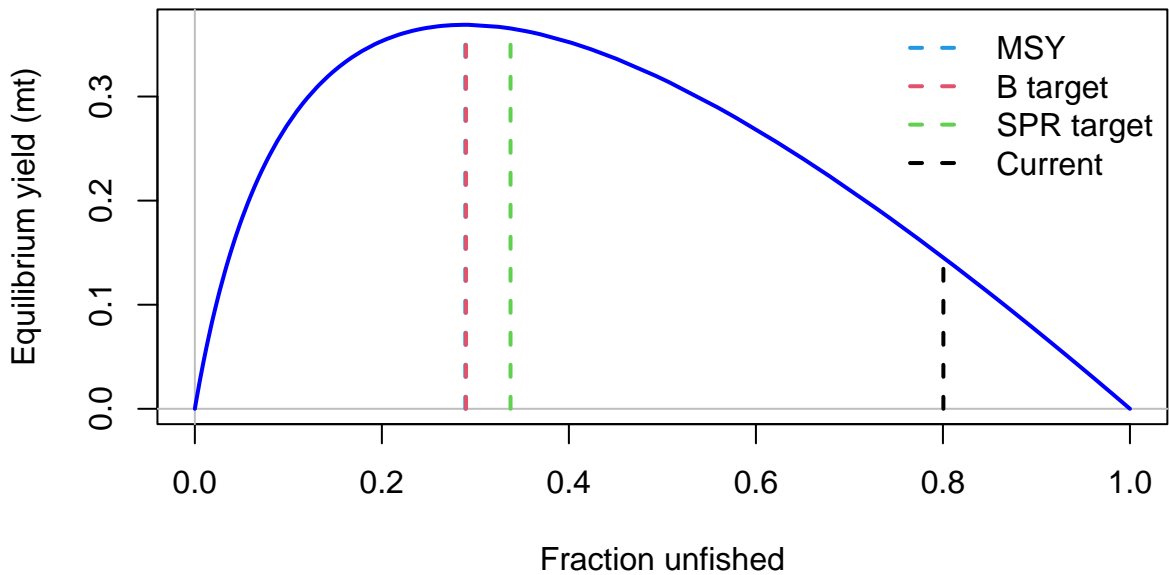
Length (cm)

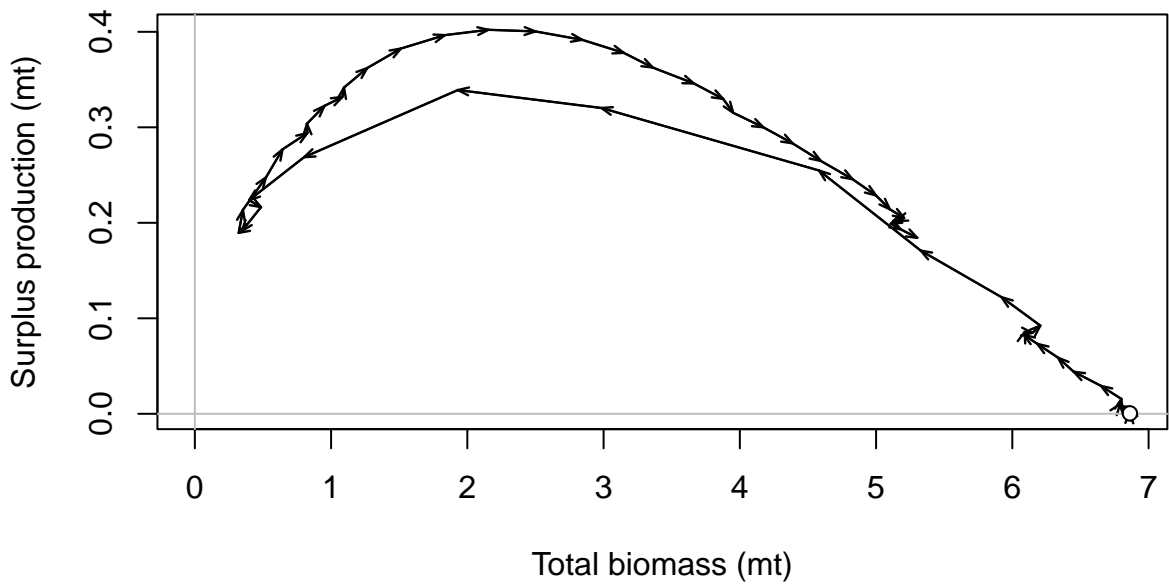


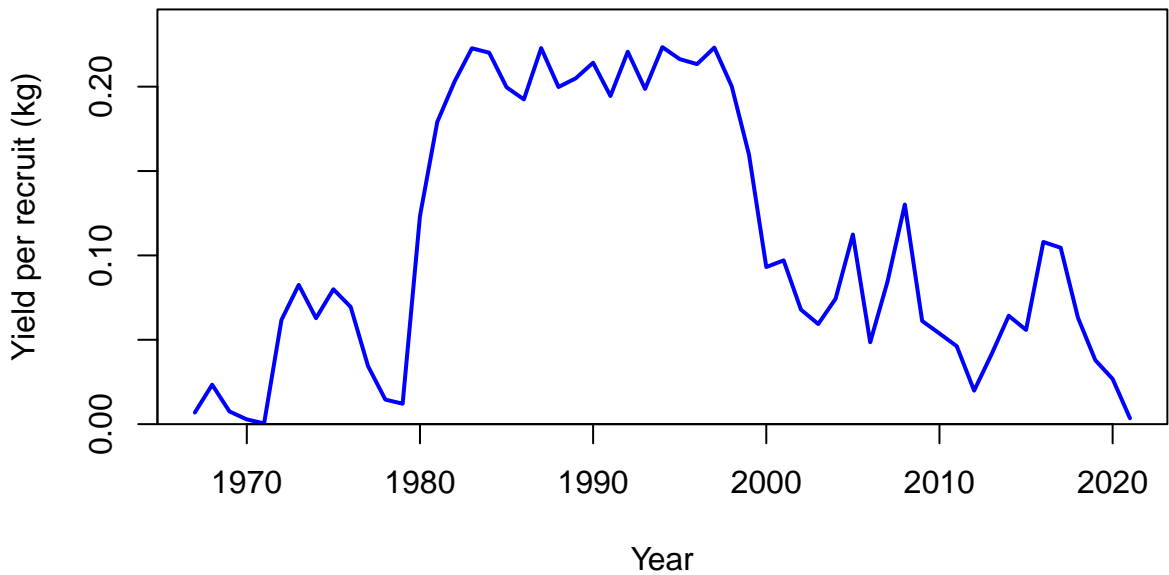
FISHERY (whole catch)



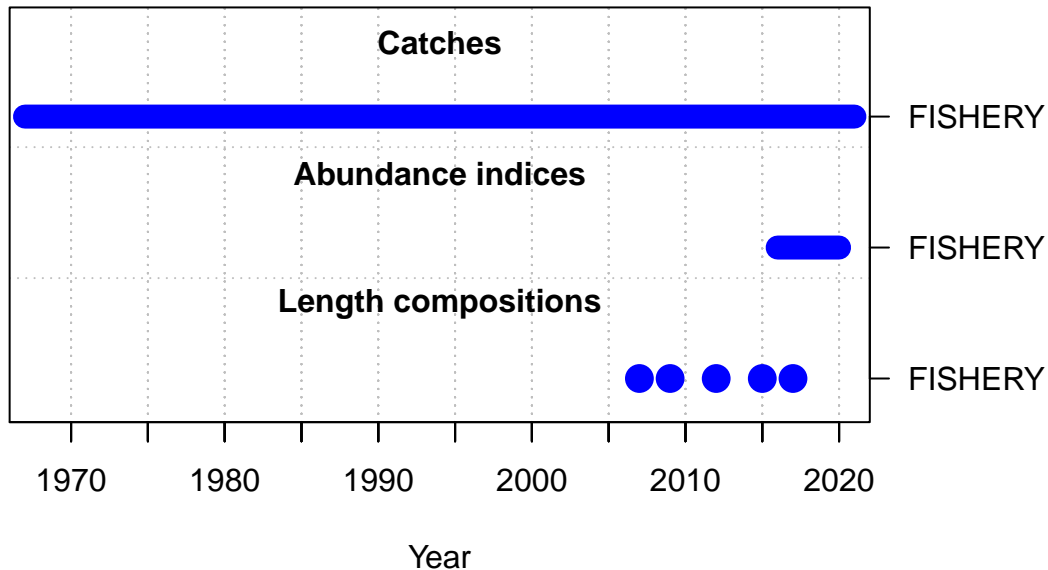


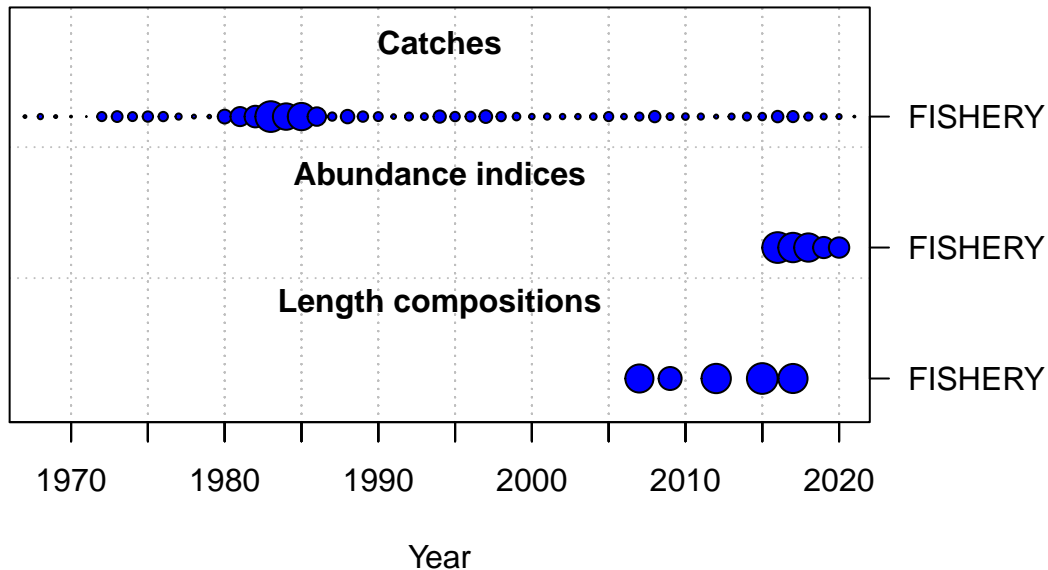




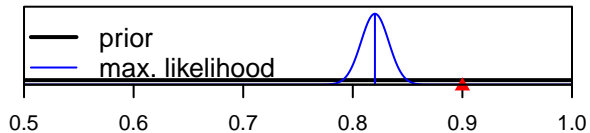




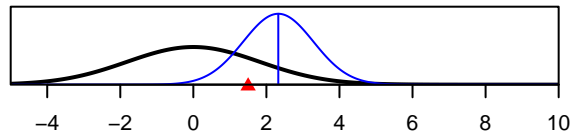




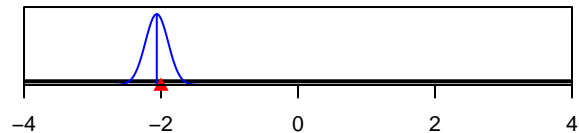
SR\_LN(R0)



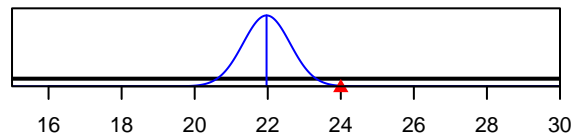
ln(DM\_theta)\_1



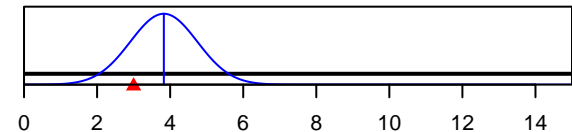
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value