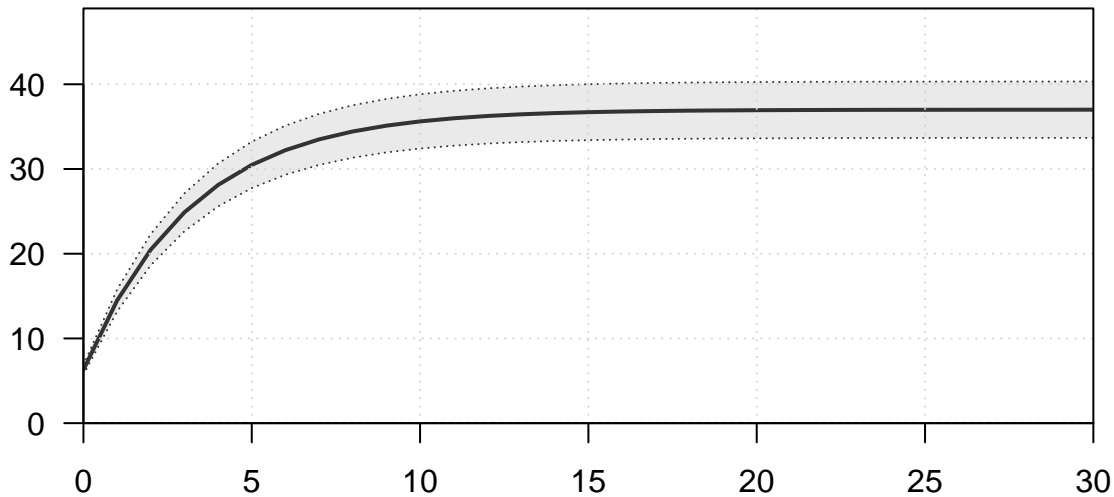
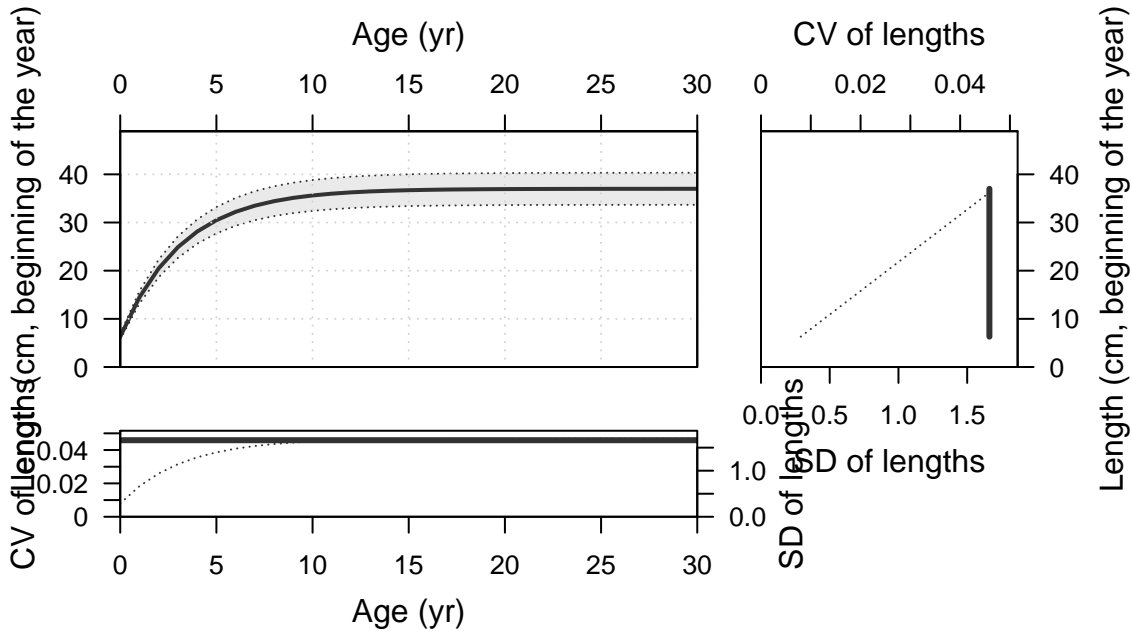


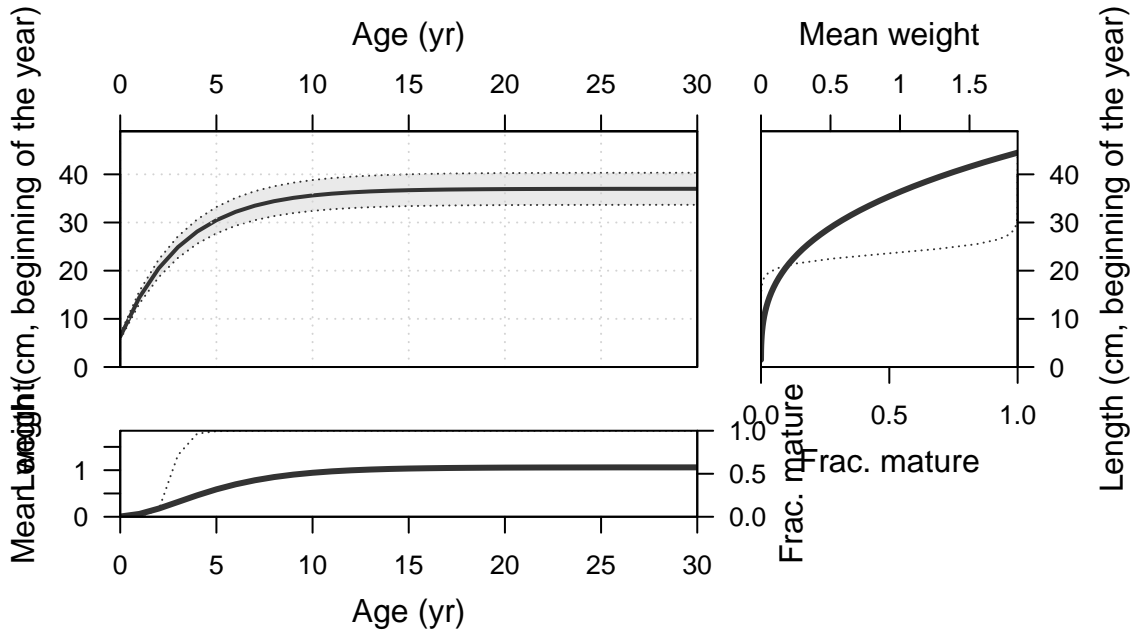
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Sun Feb 05 18:21:46 2023
Data_File: data.ss
Control_File: control.ss

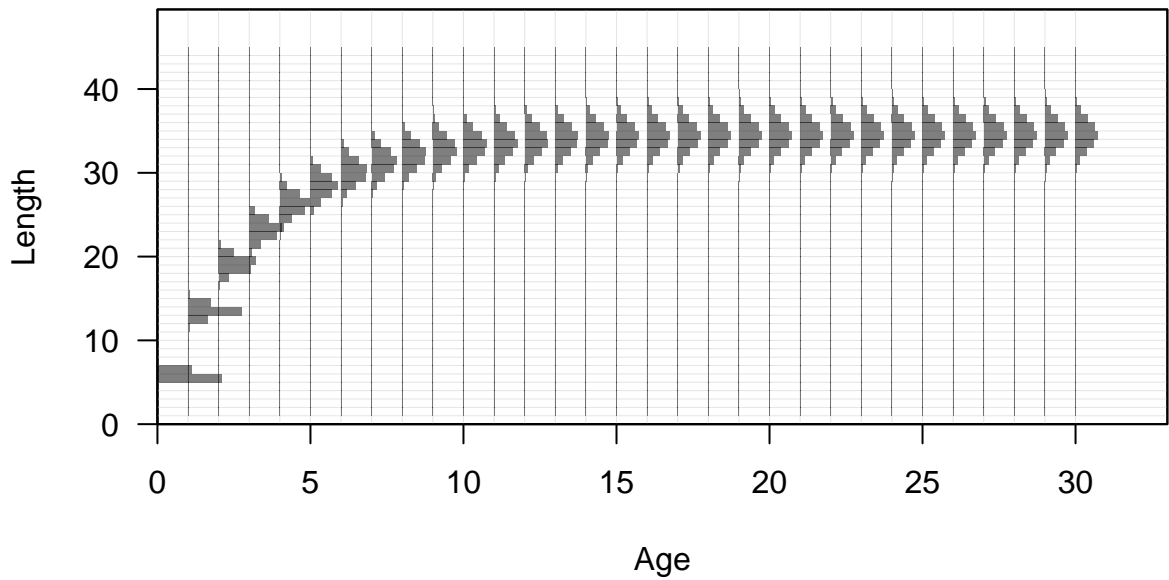
Length (cm, beginning of the year)

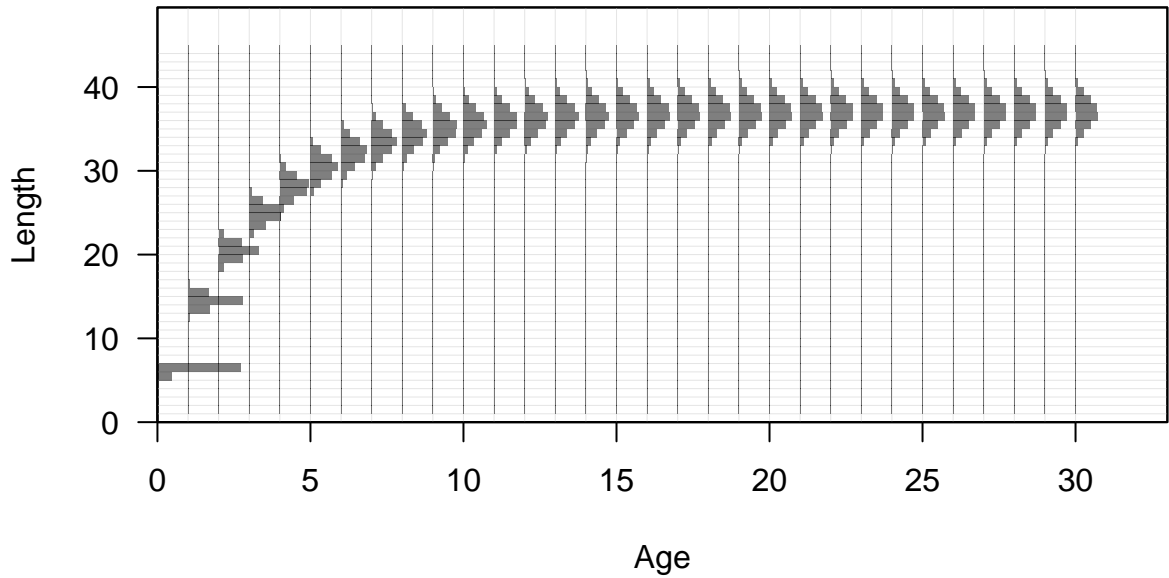


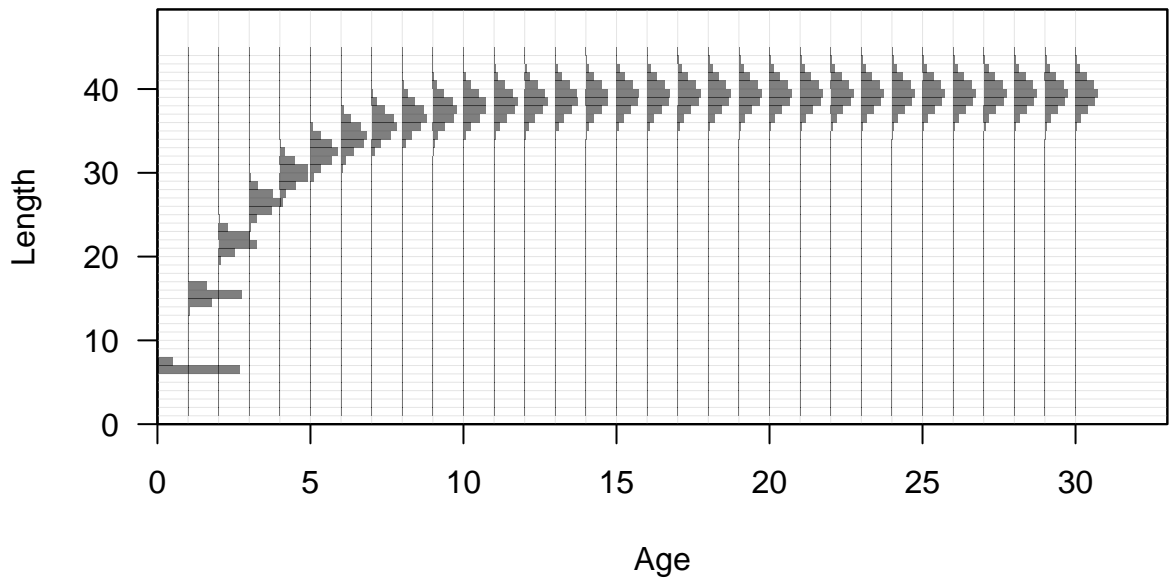
Age (yr)

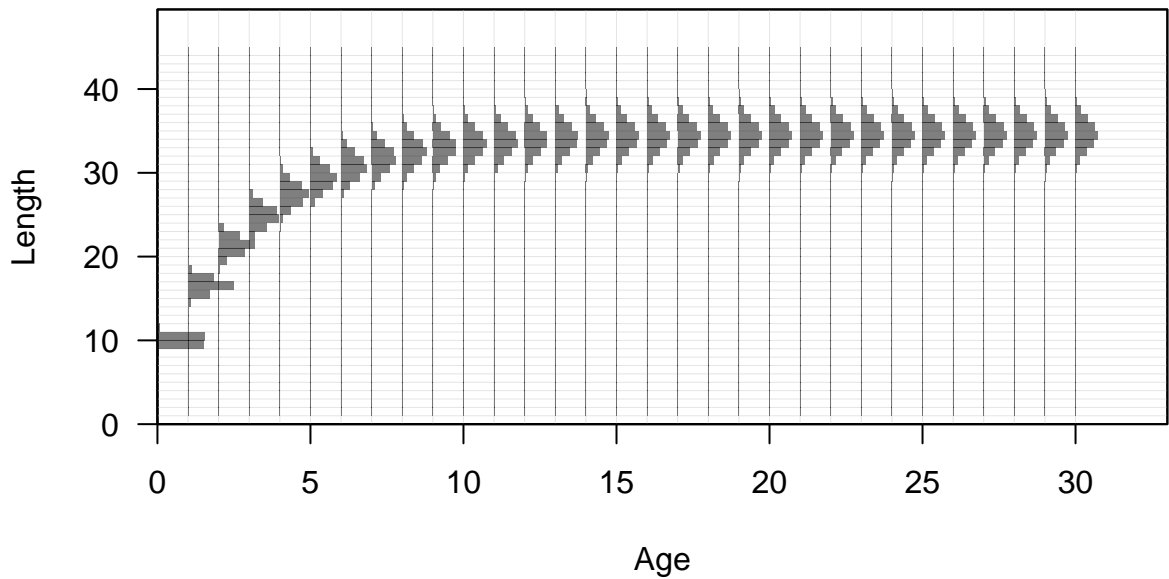


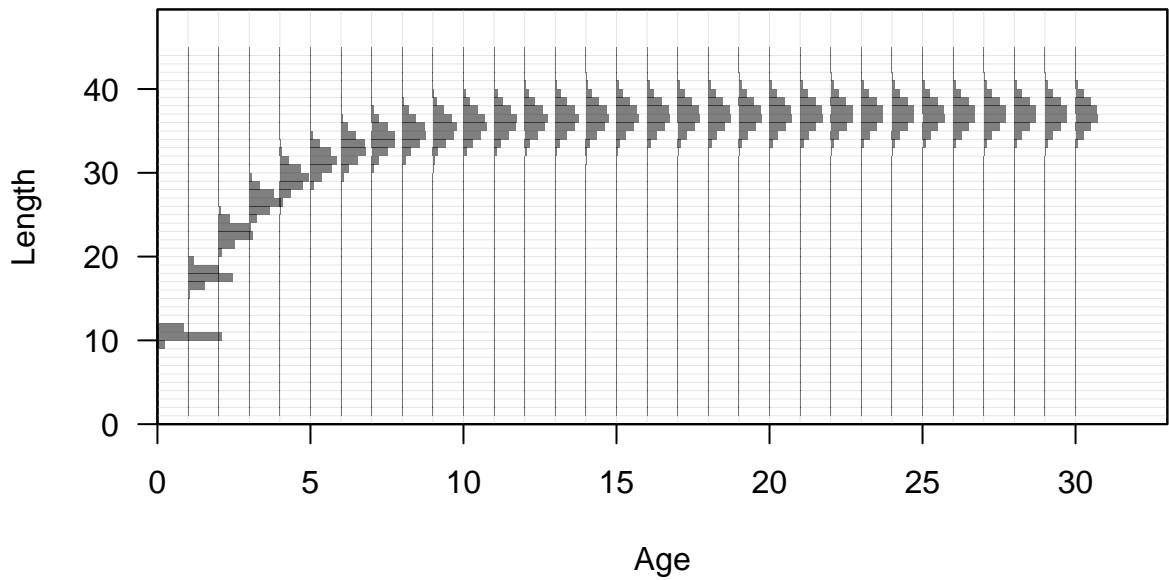


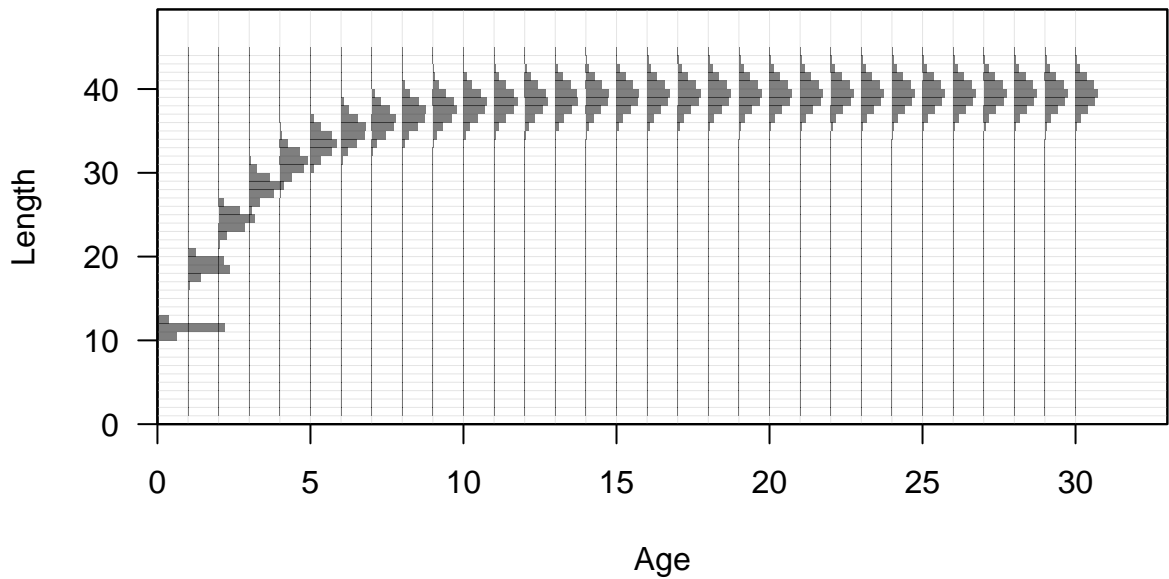


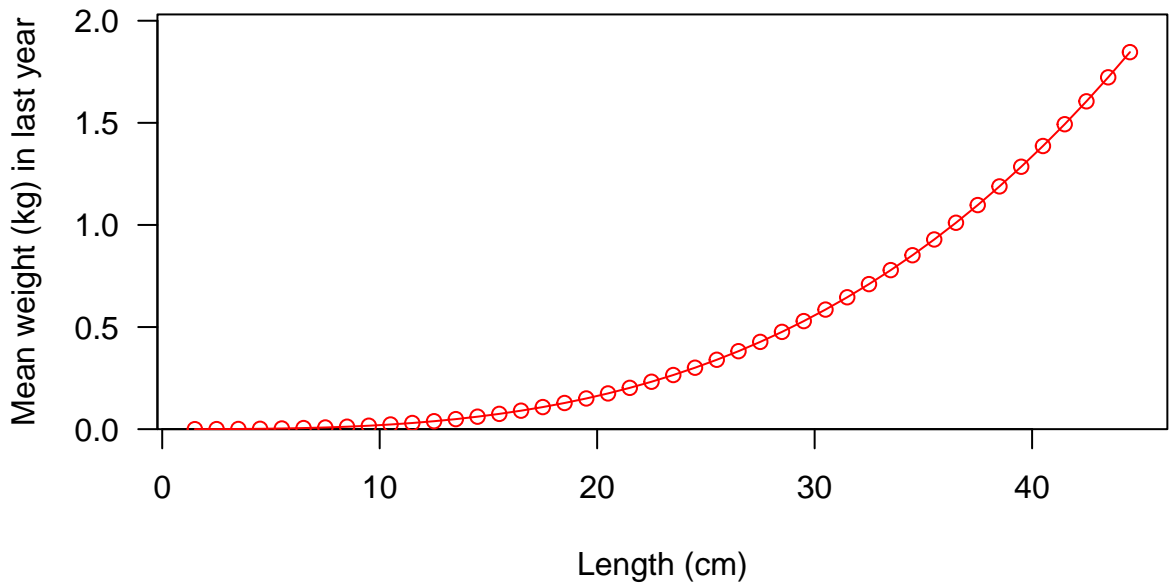


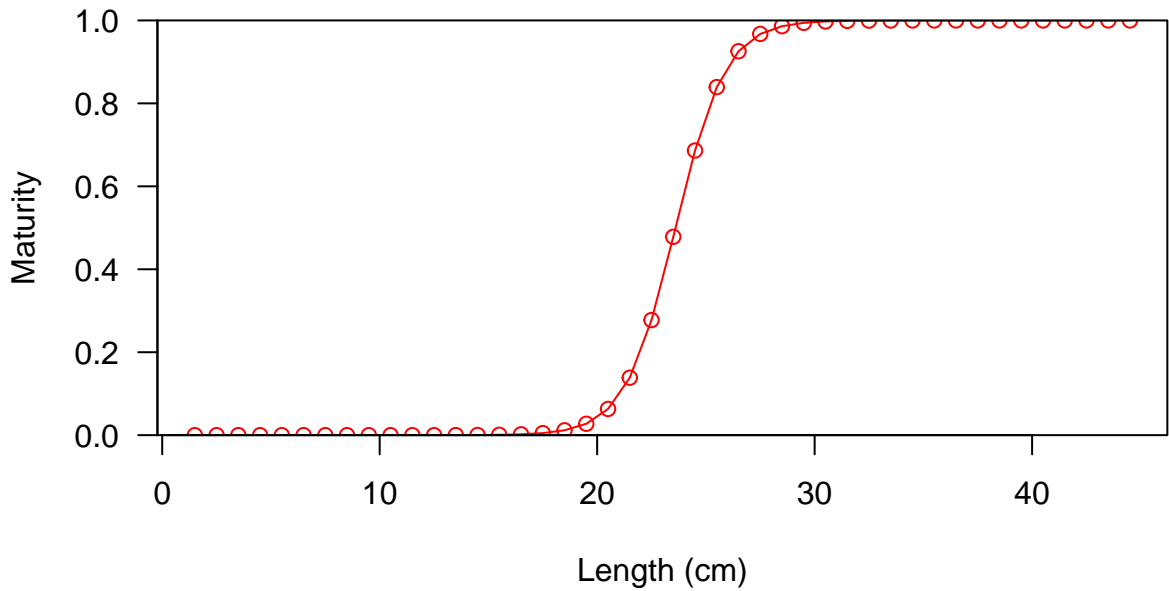


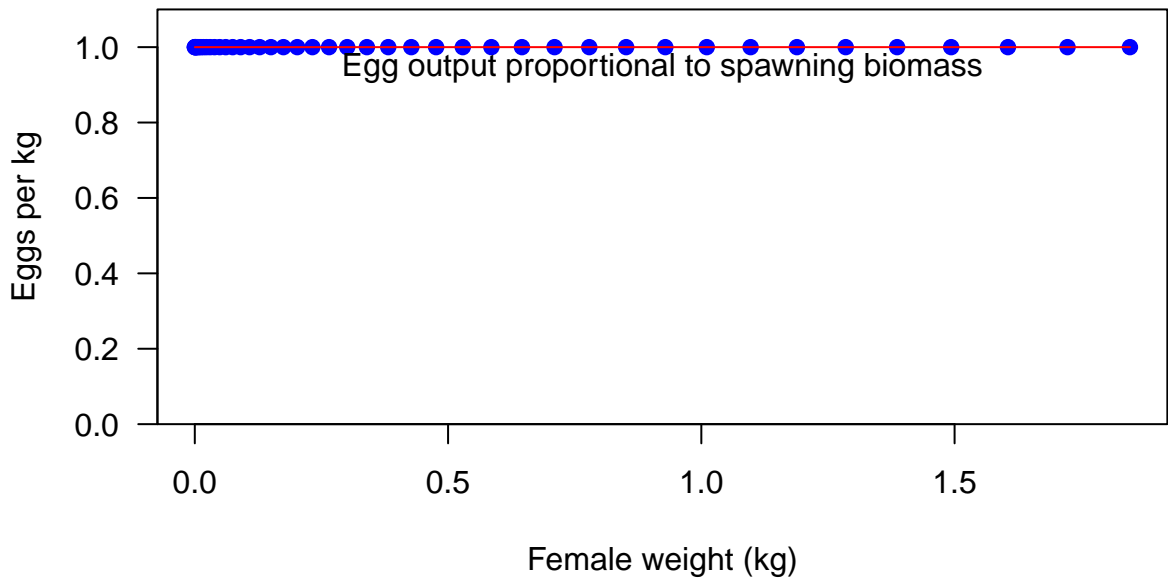


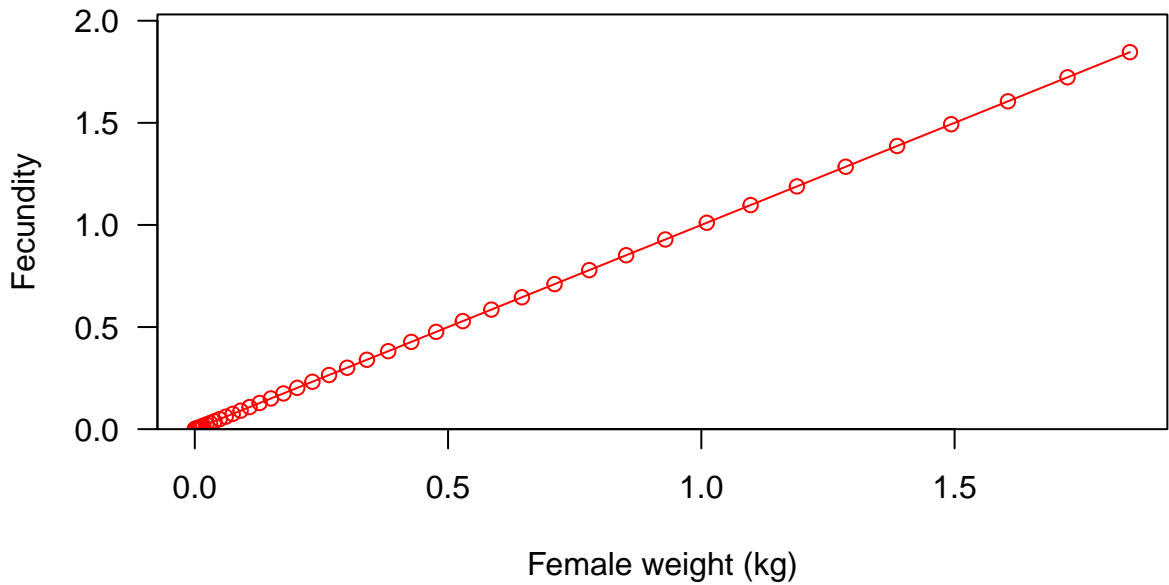


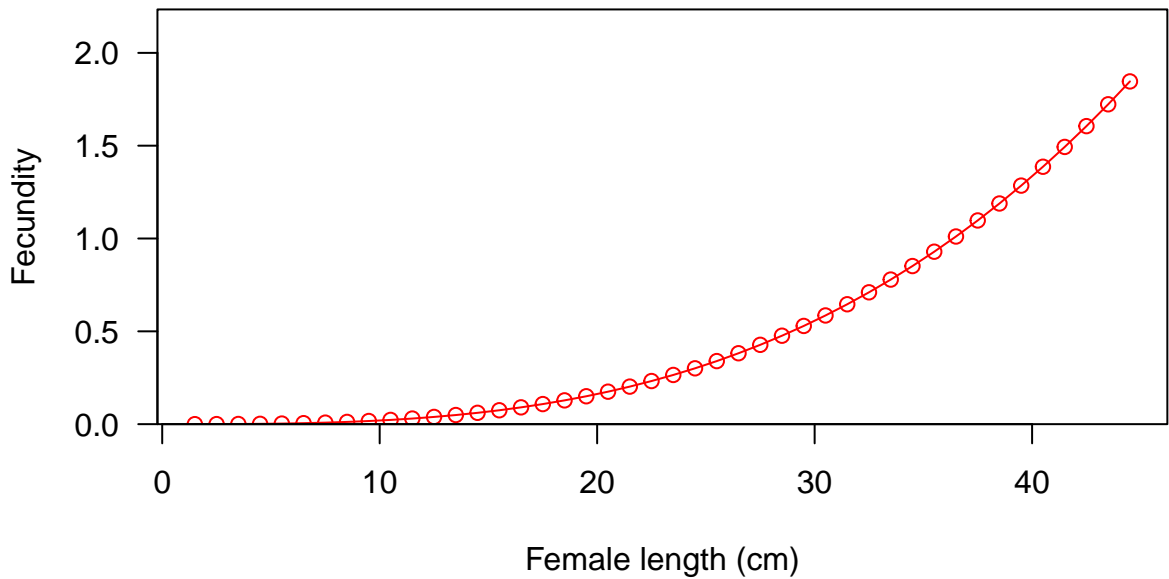


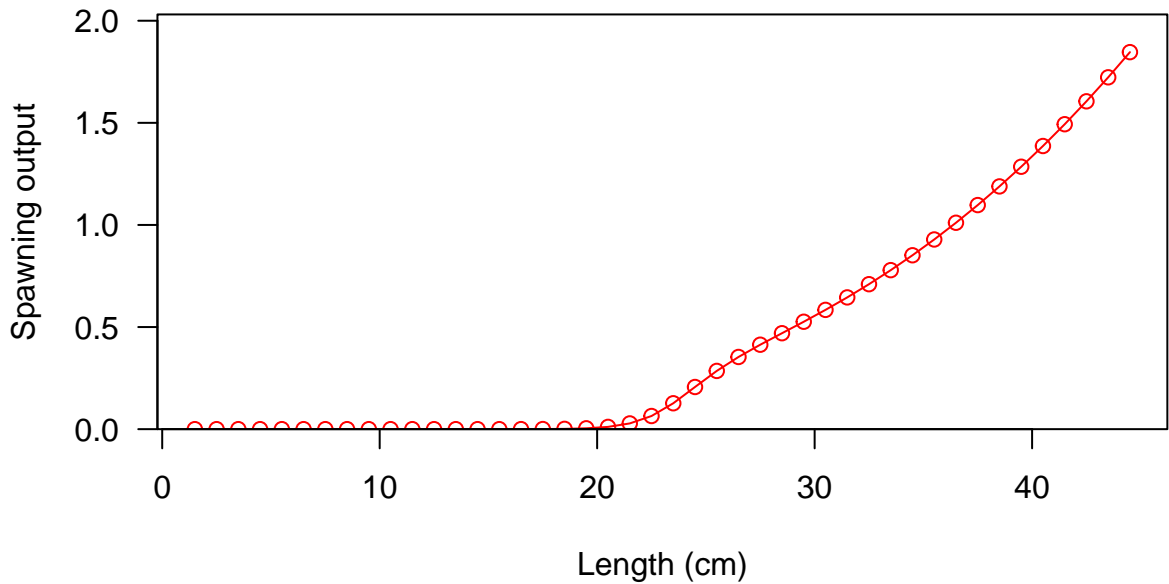


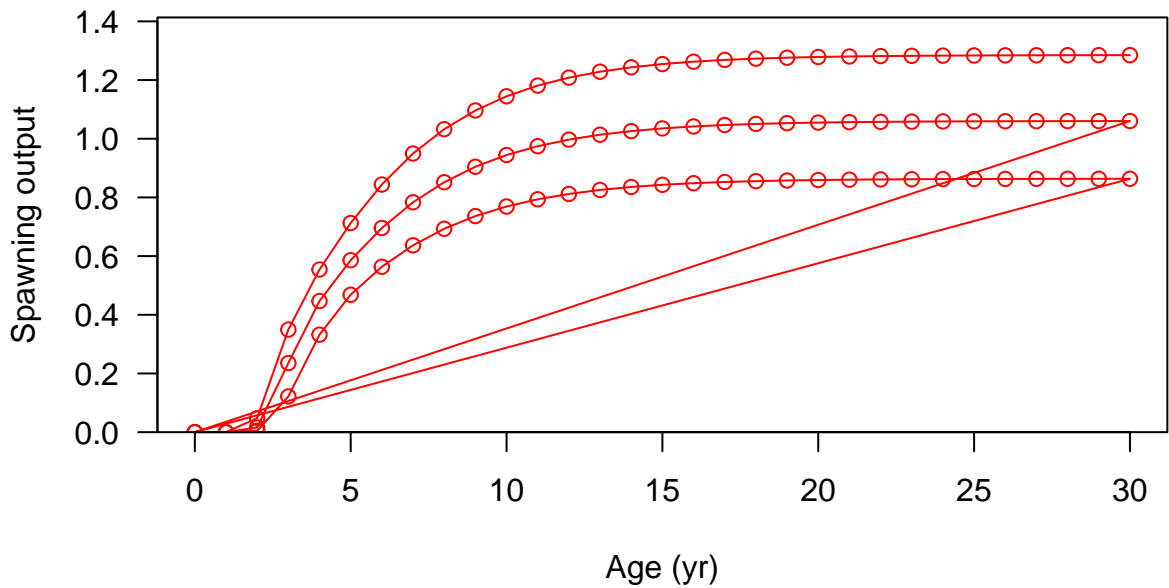




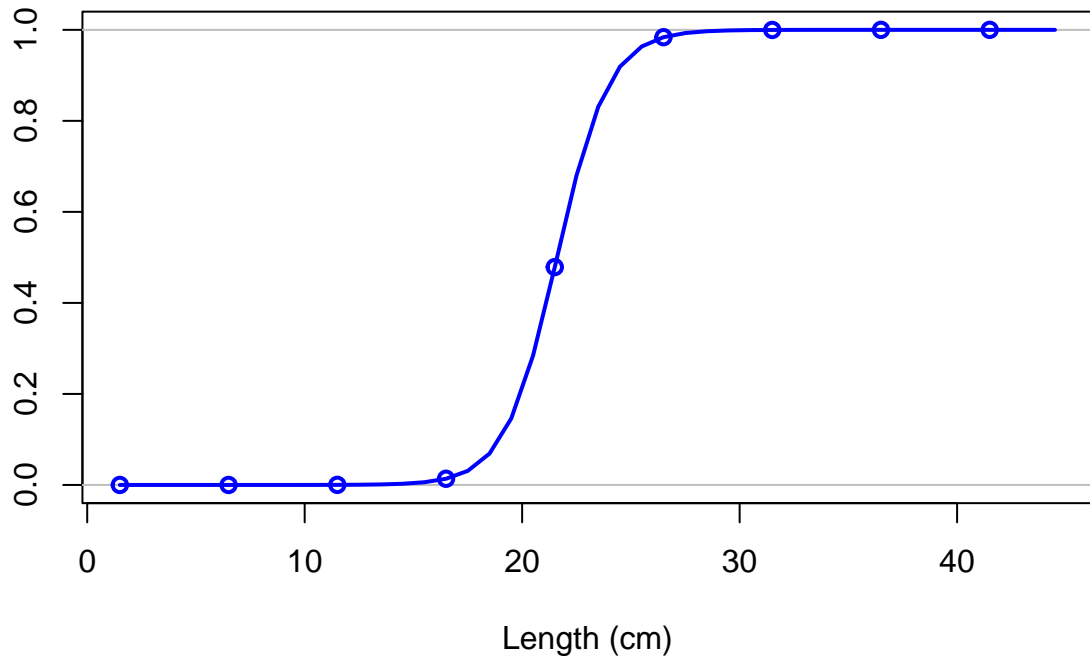




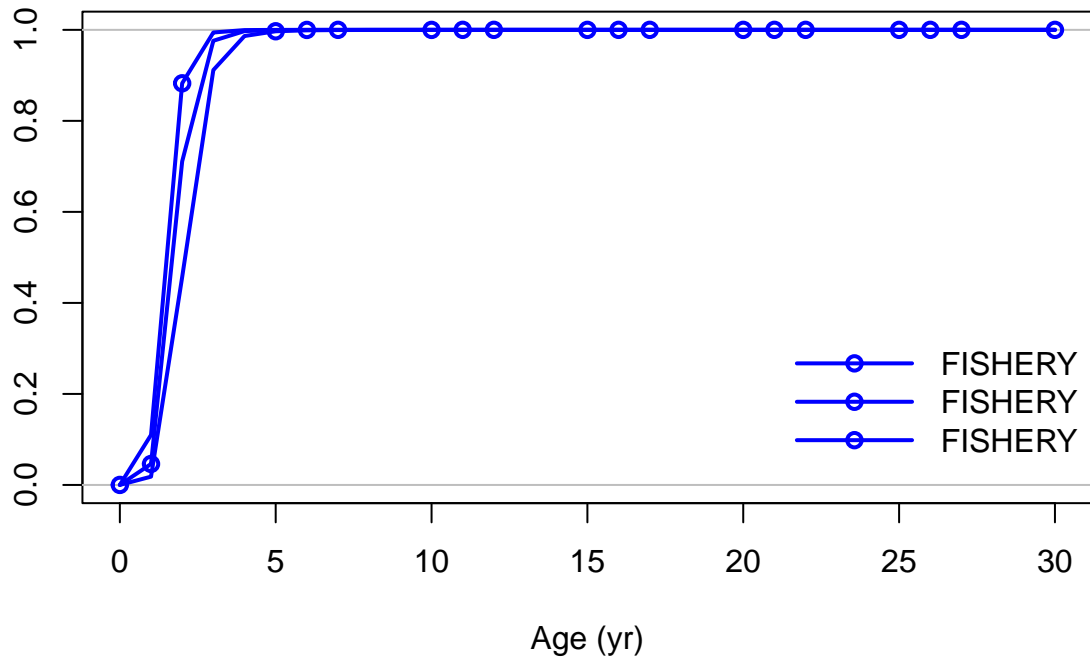




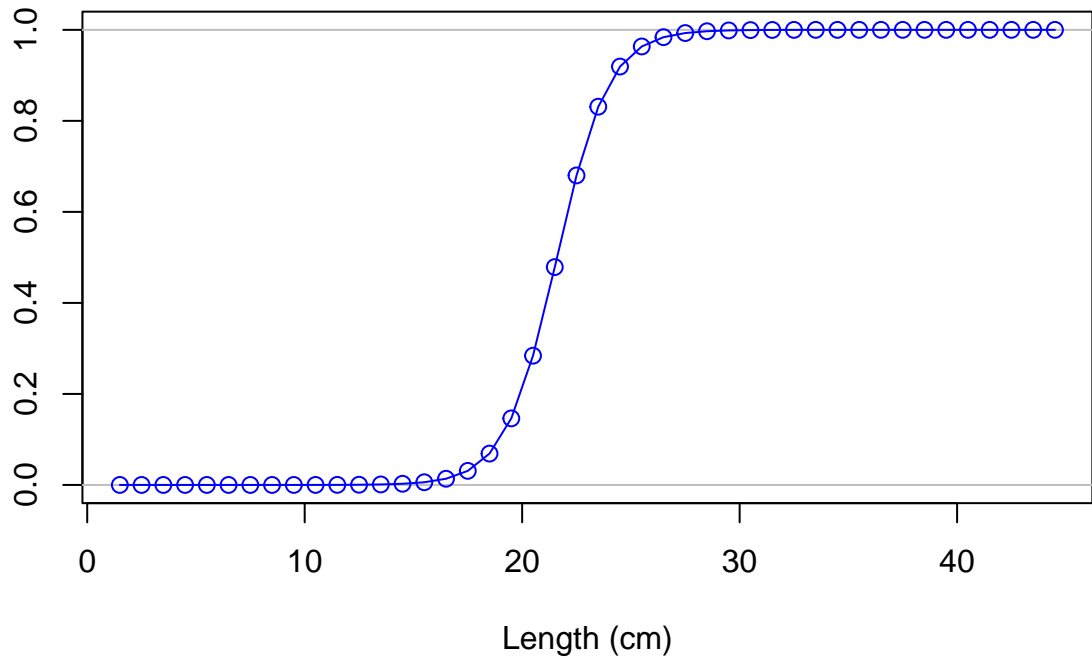
Selectivity

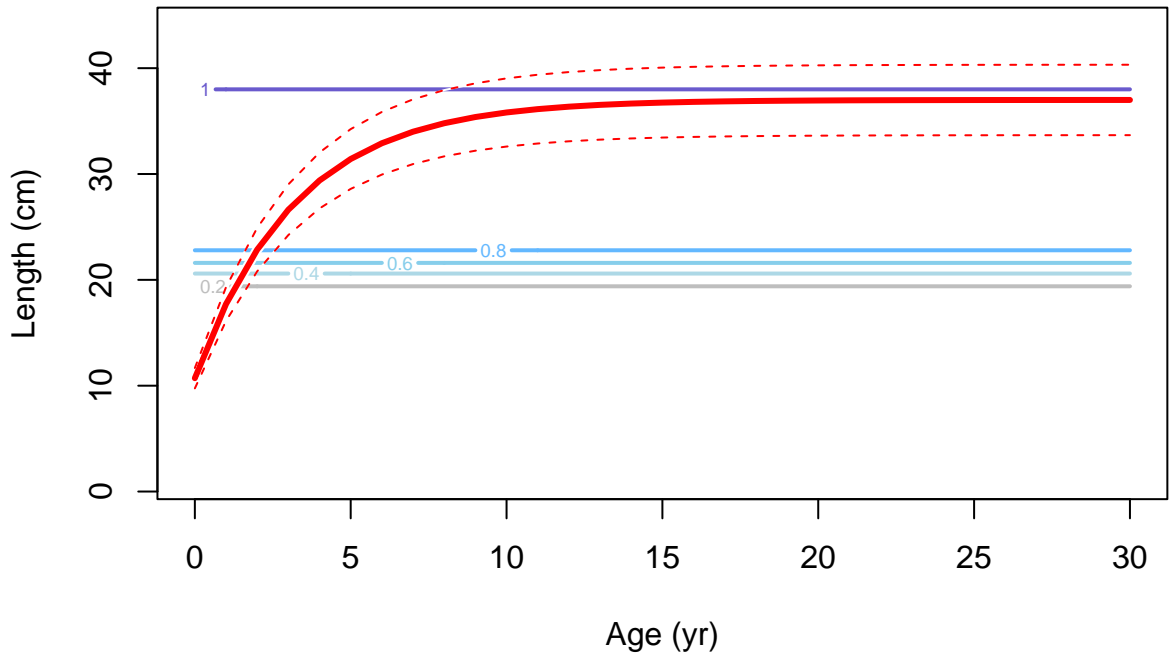


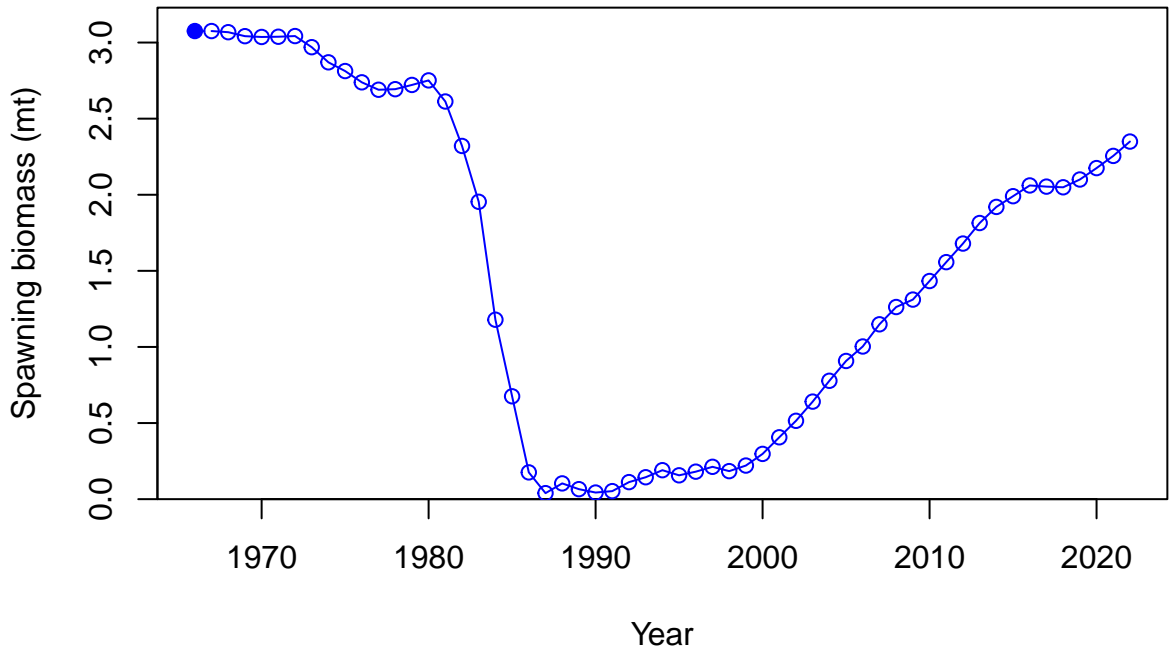
Selectivity



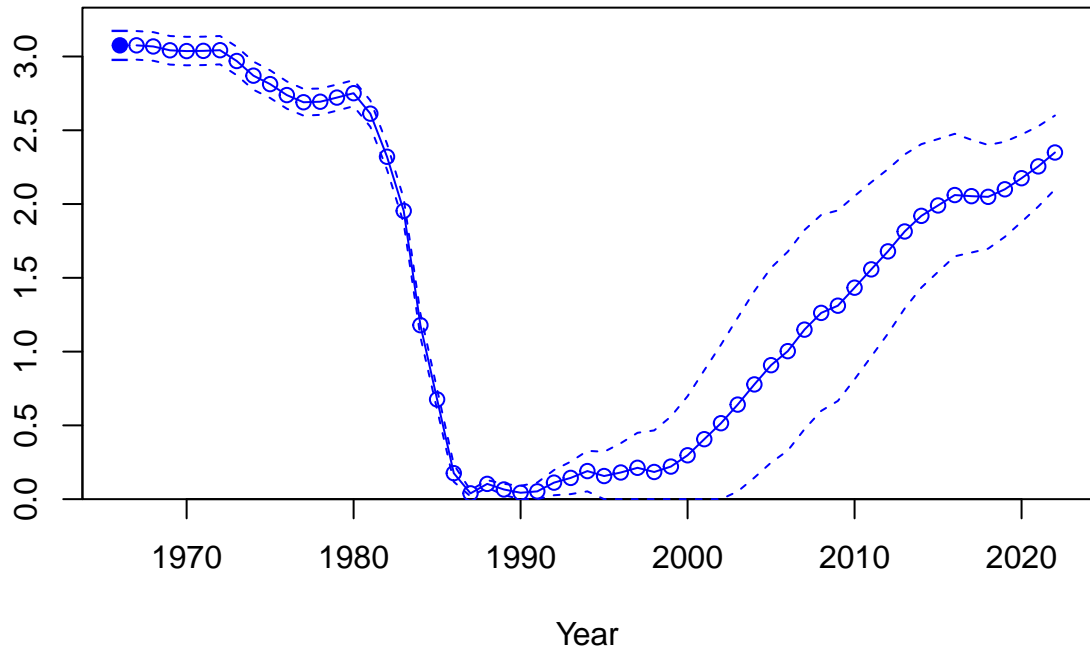
Selectivity



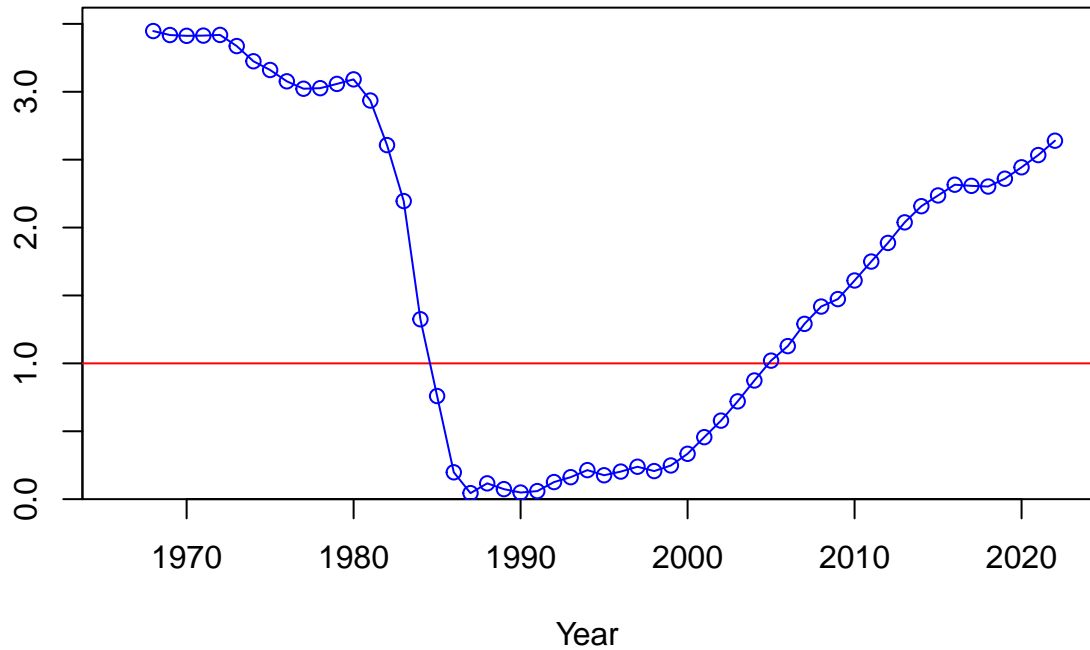




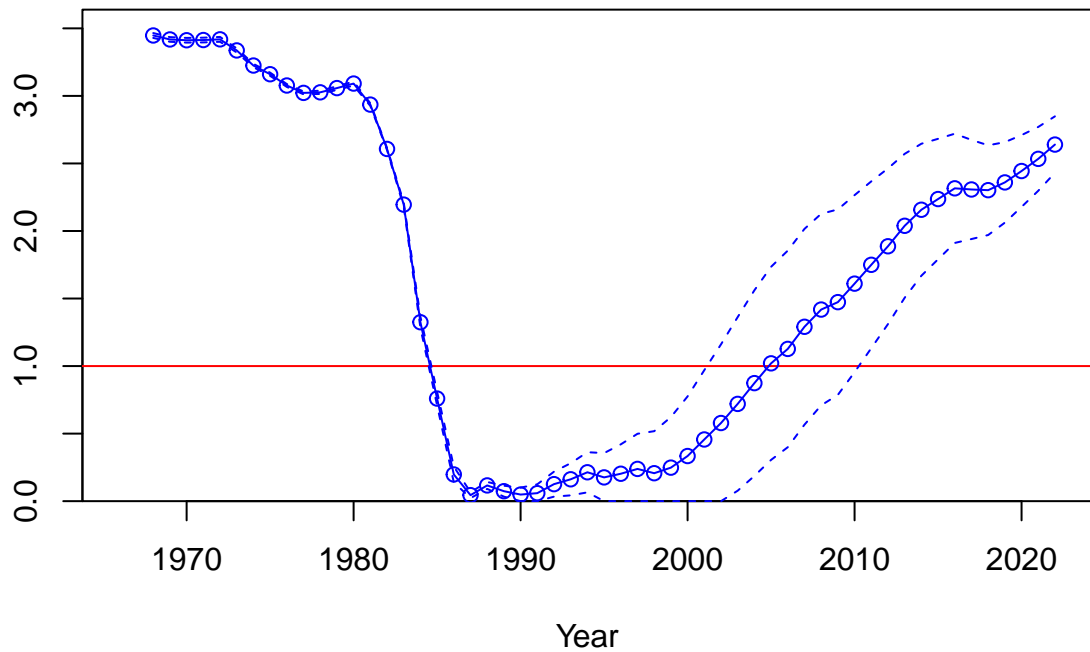
Spawning biomass (mt)

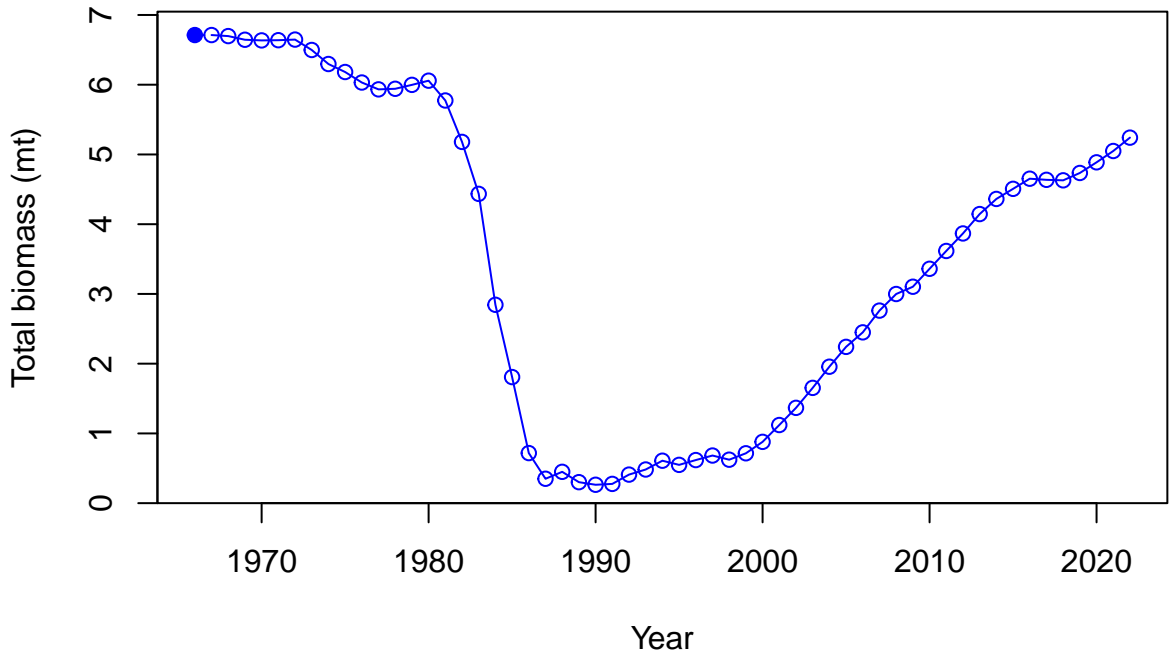


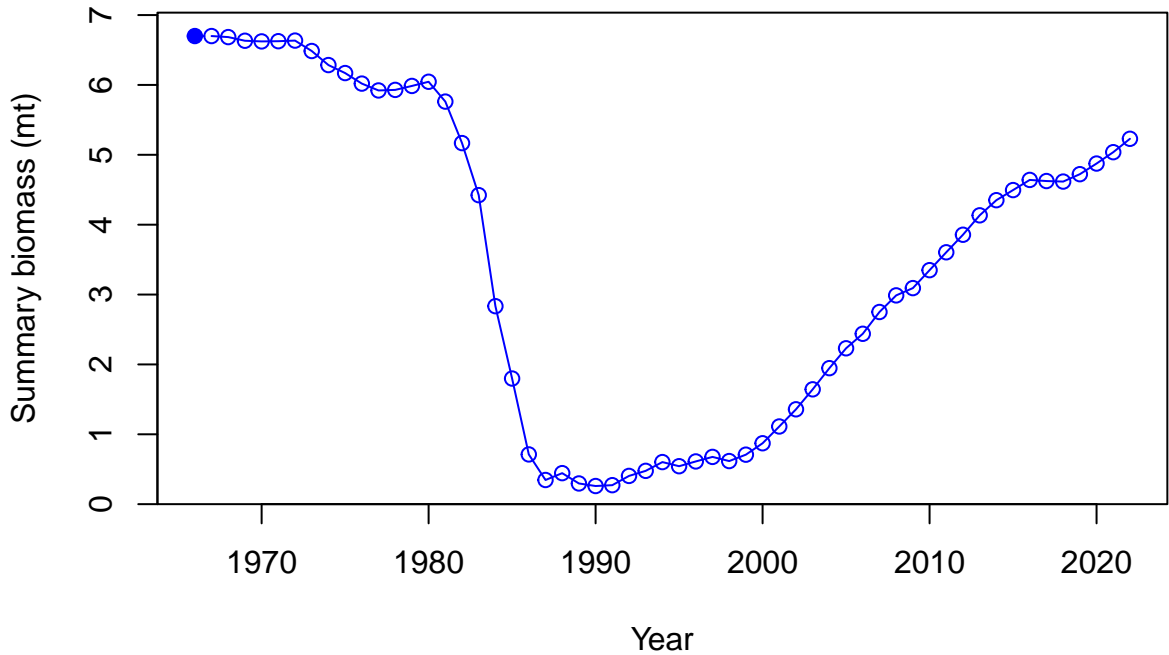
Relative spawning biomass: B/B_{MSY}



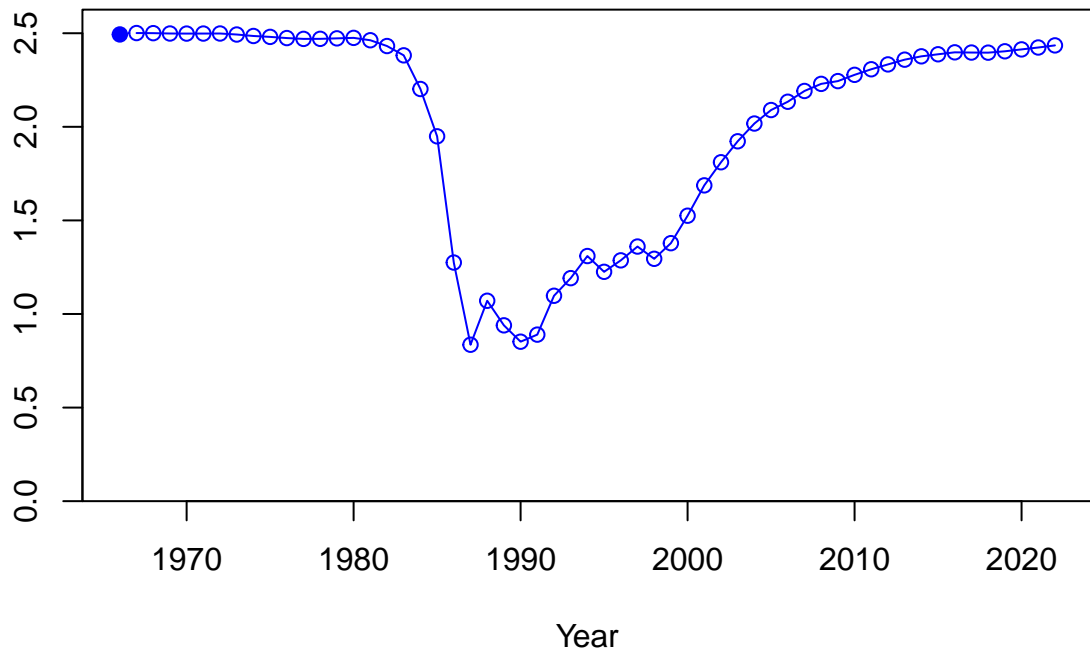
Relative spawning biomass: B/B_{MSY}



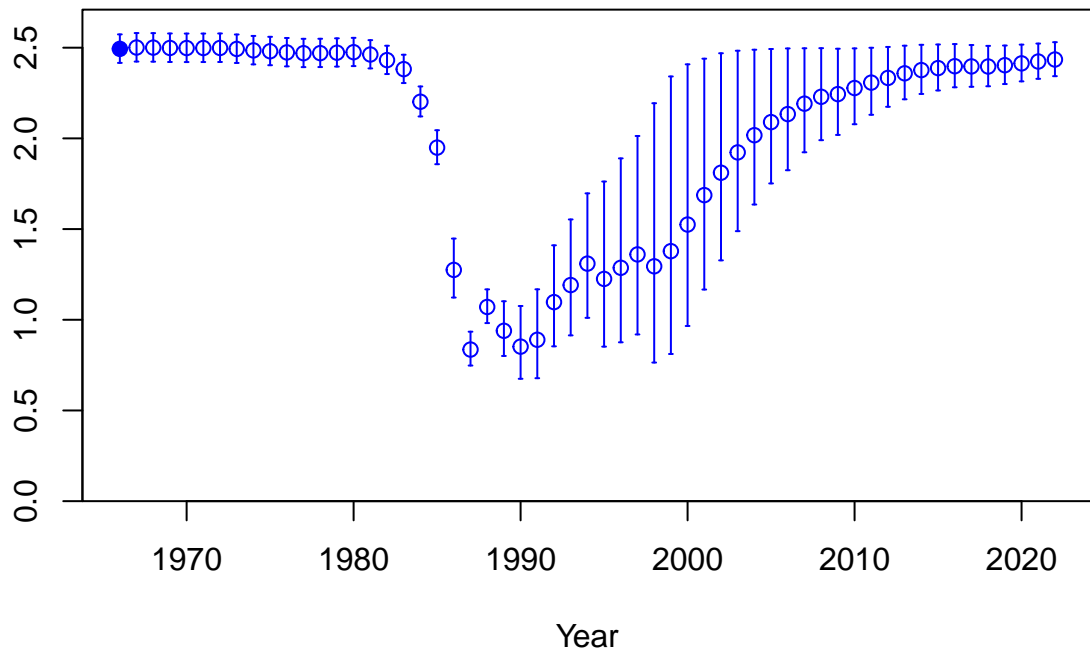




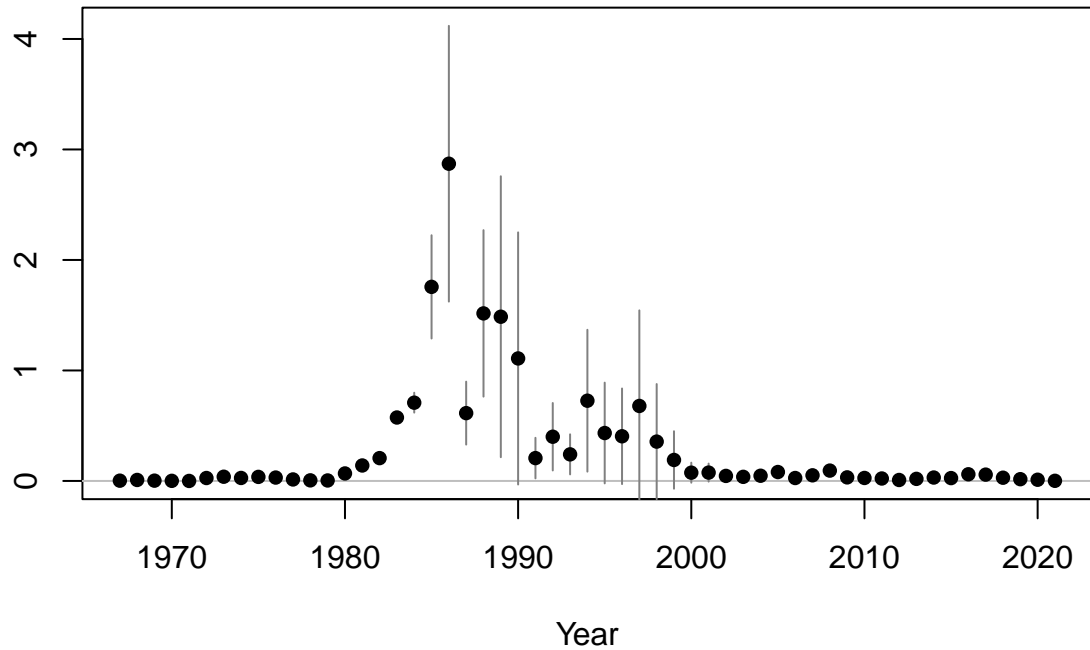
Age-0 recruits (1,000s)

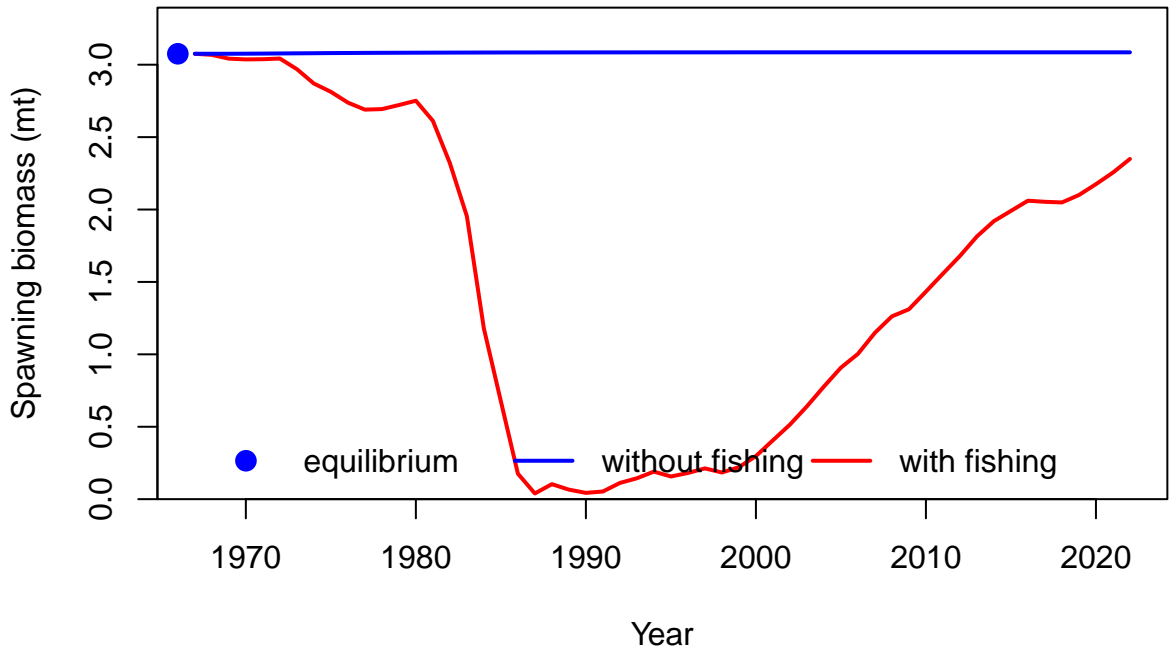


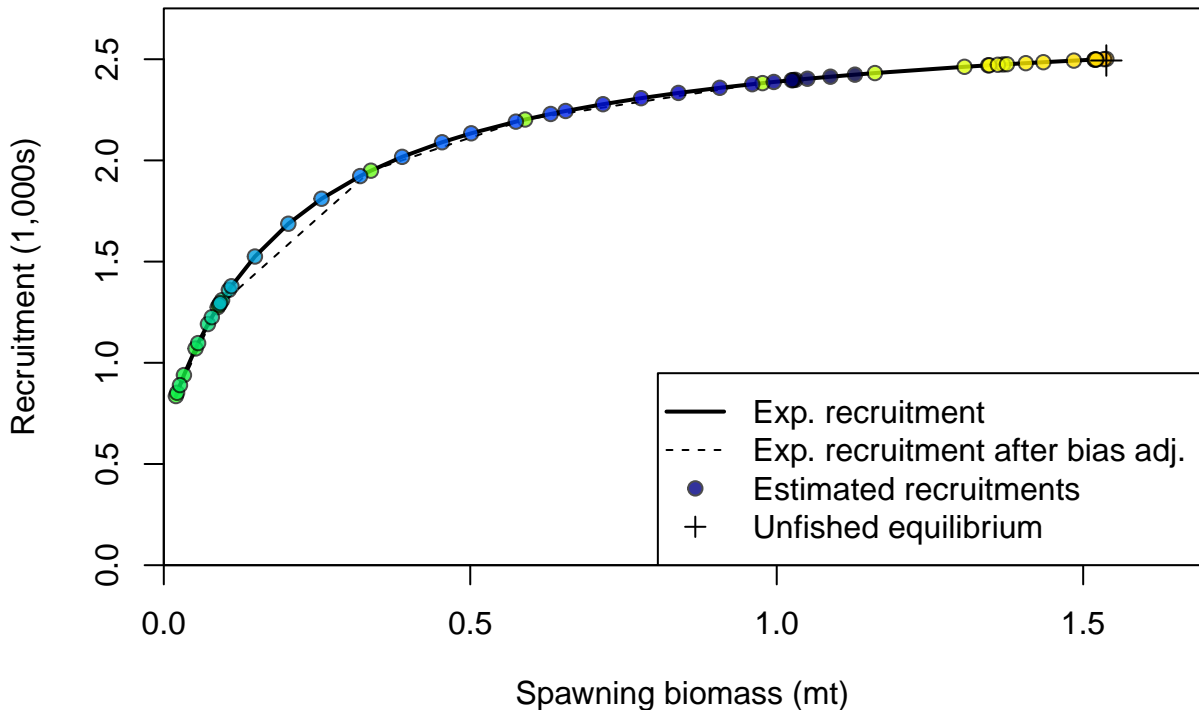
Age-0 recruits (1,000s)

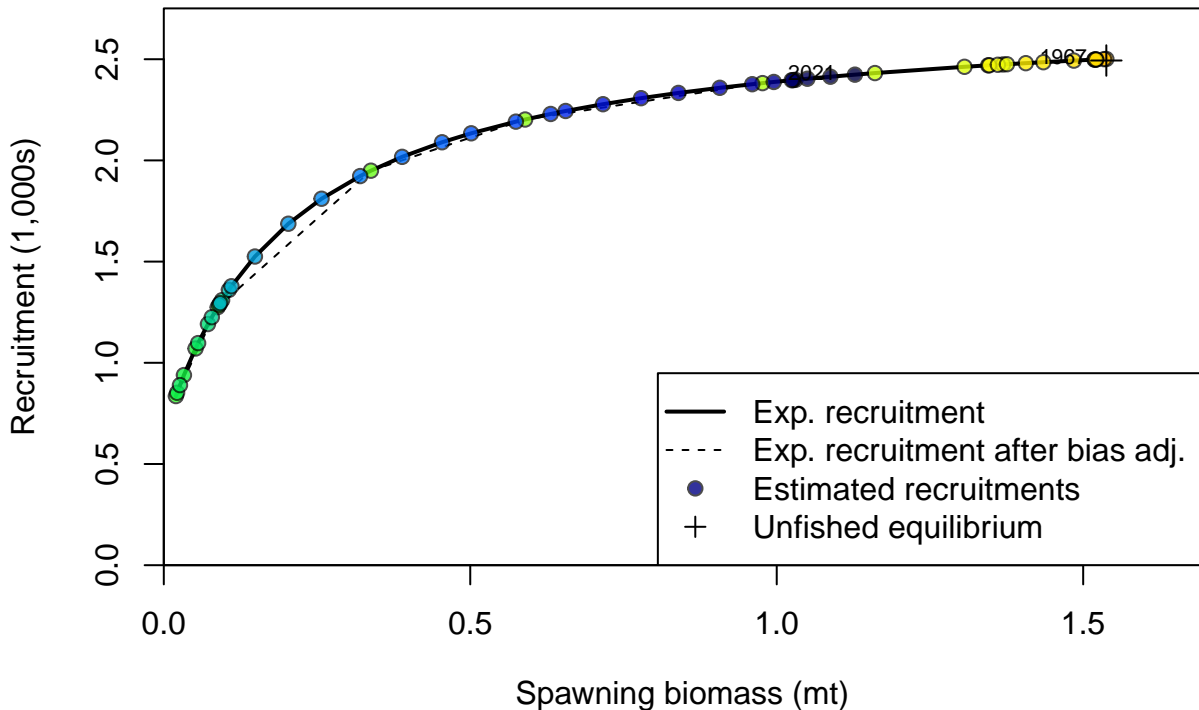


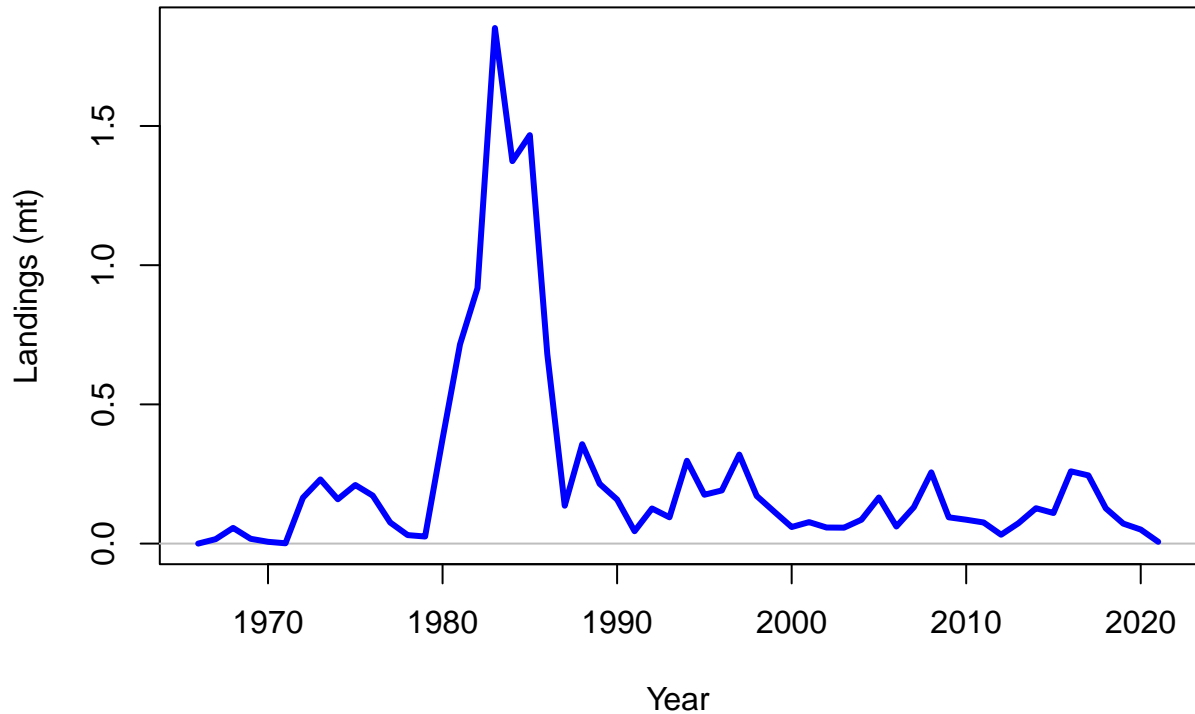
Summary Fishing Mortality

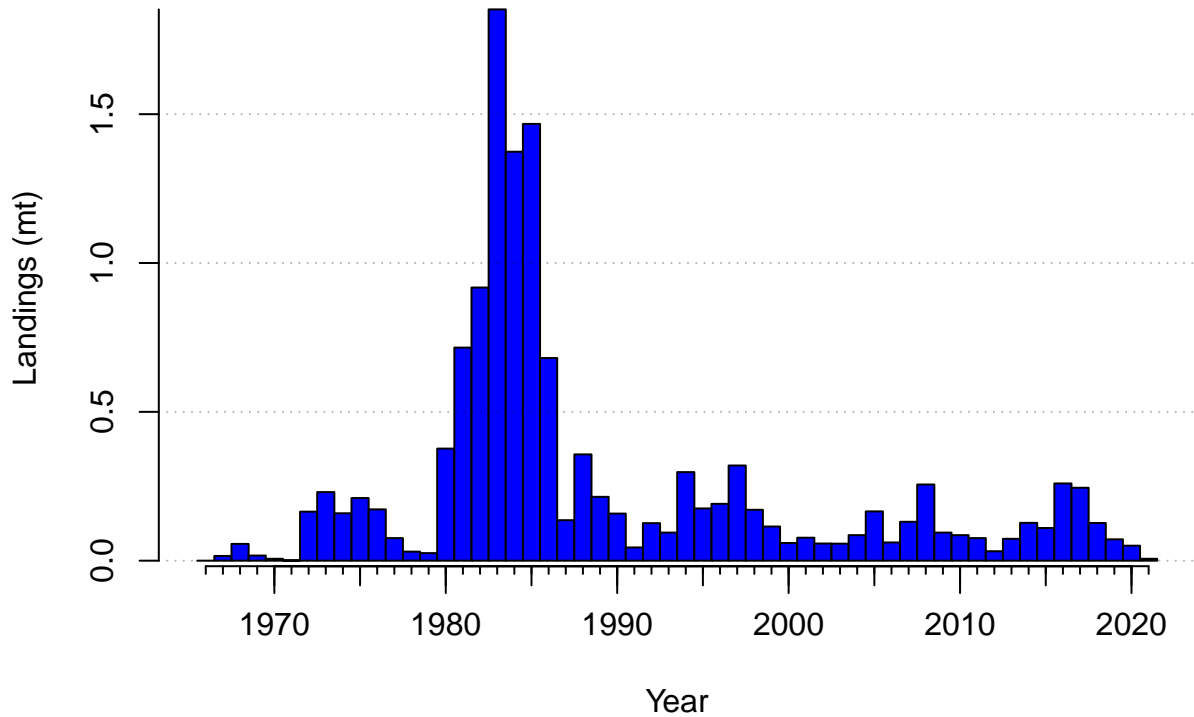


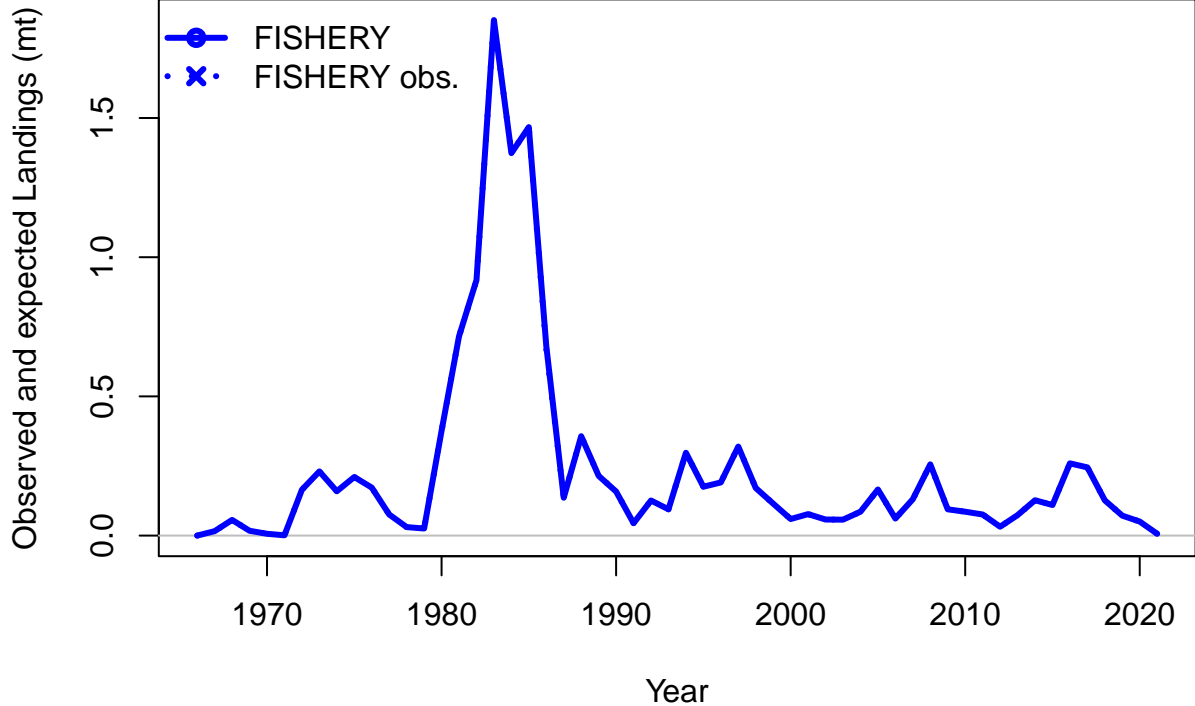


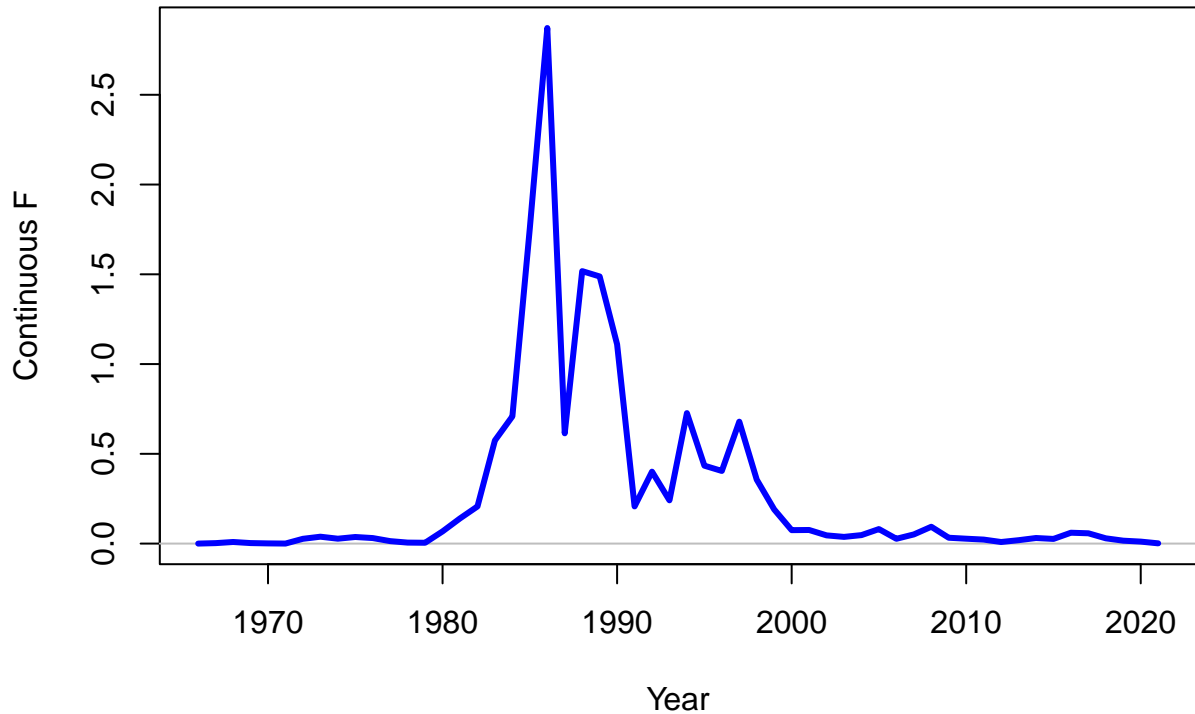




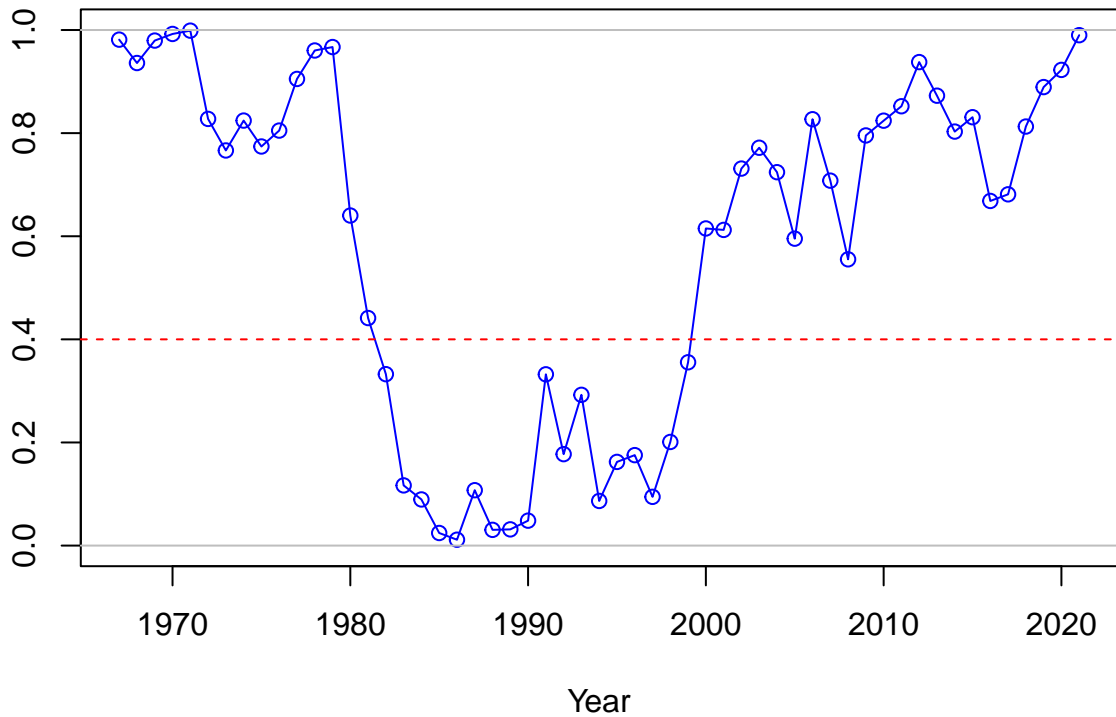




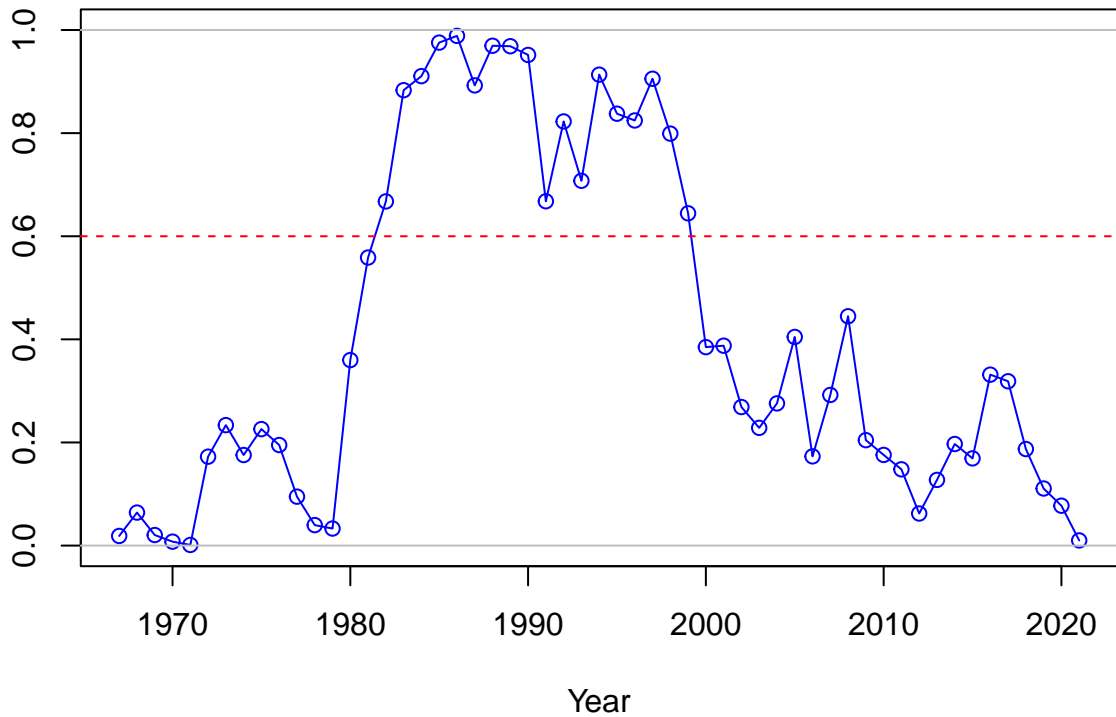




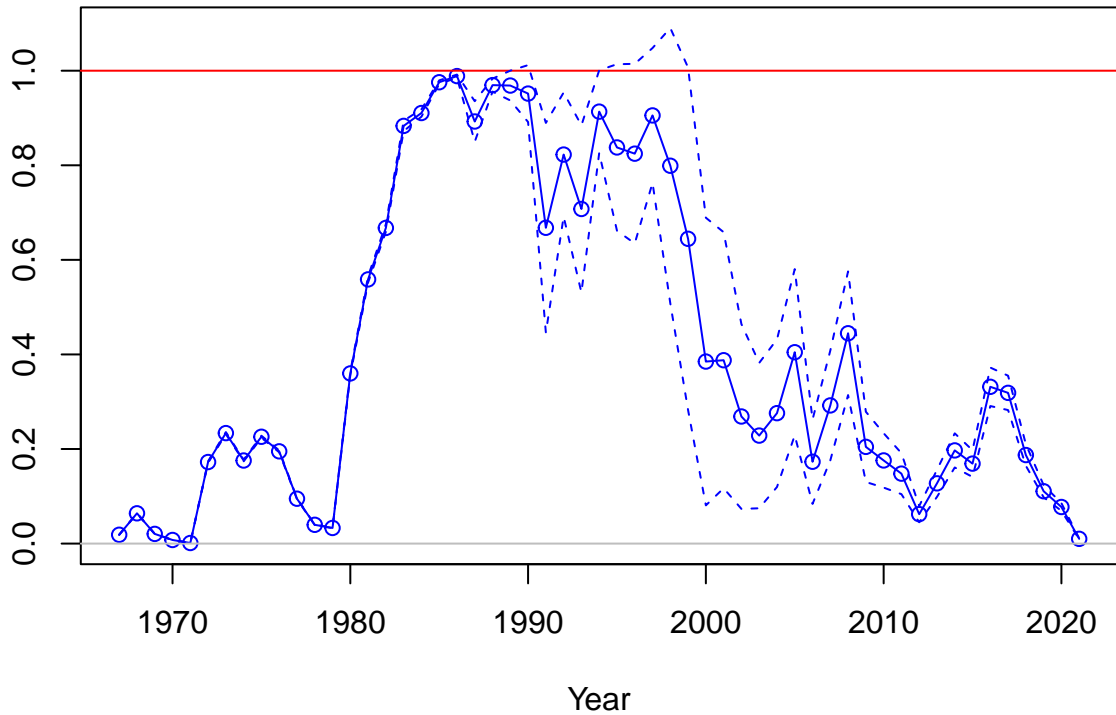
SPR



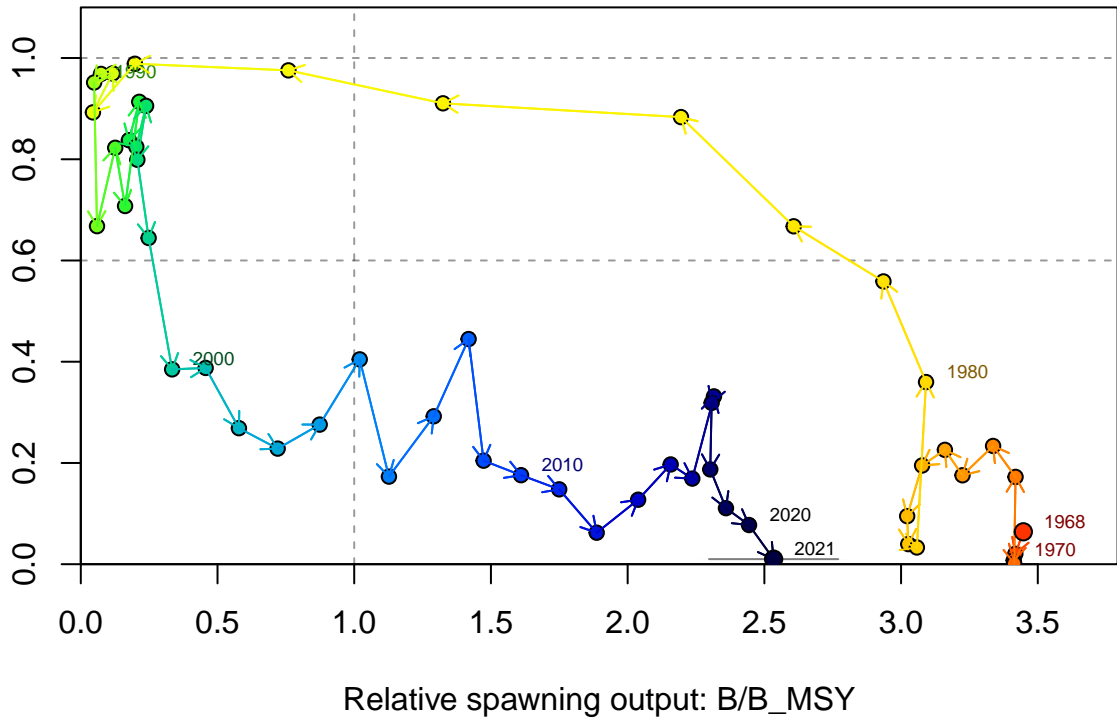
1-SPR



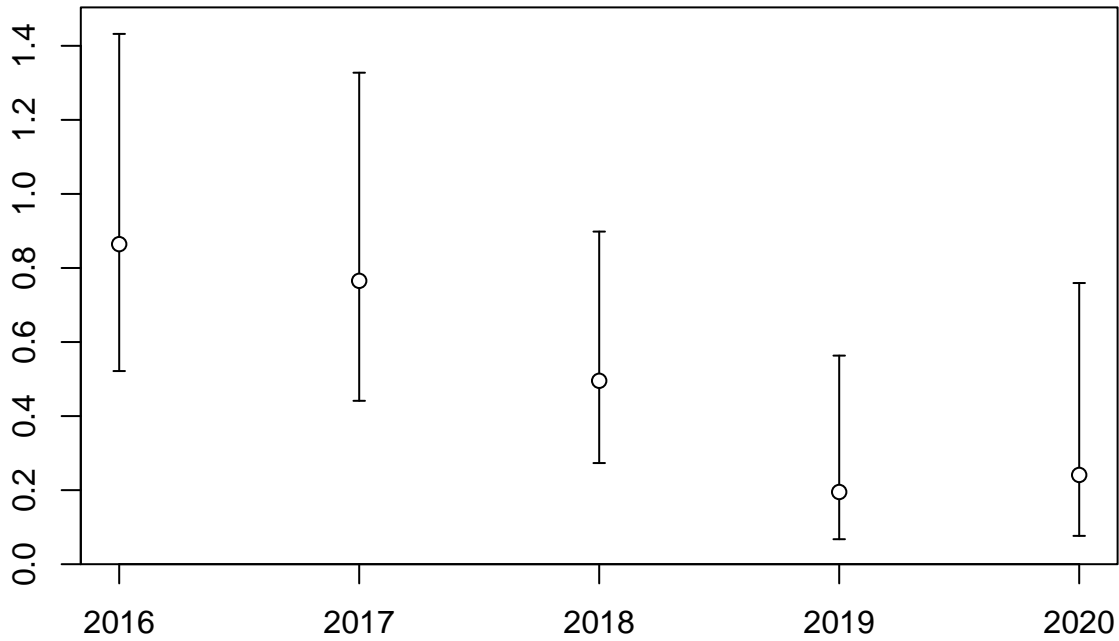
Fishing intensity: 1-SPR



Fishing intensity: 1-SPR

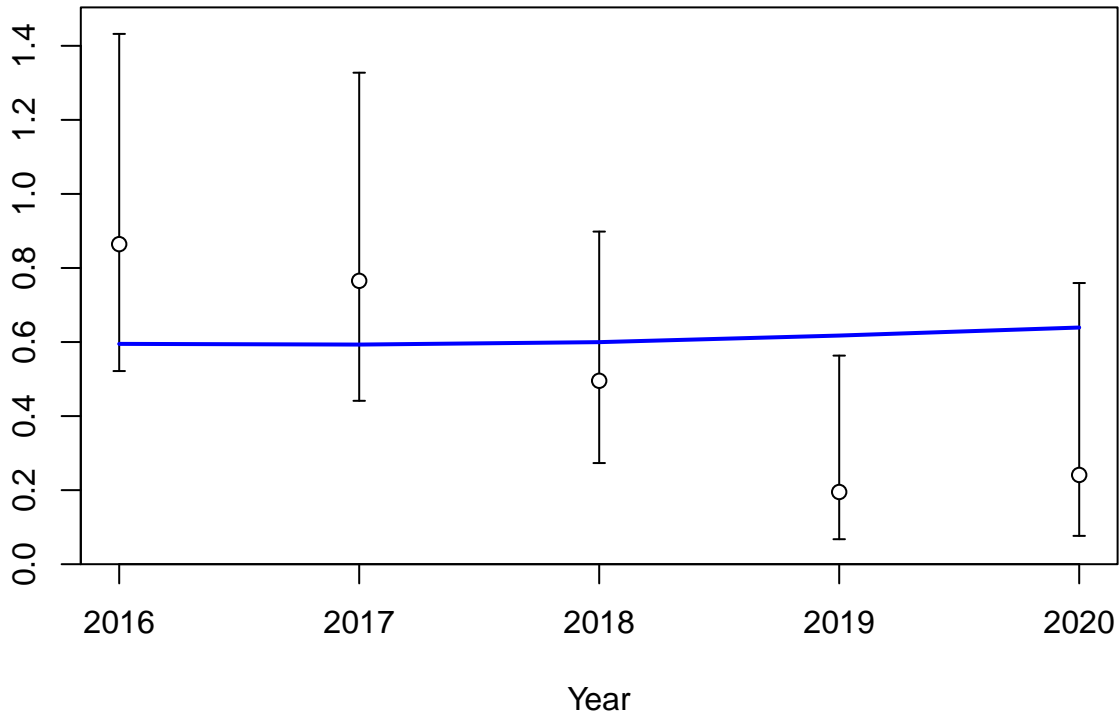


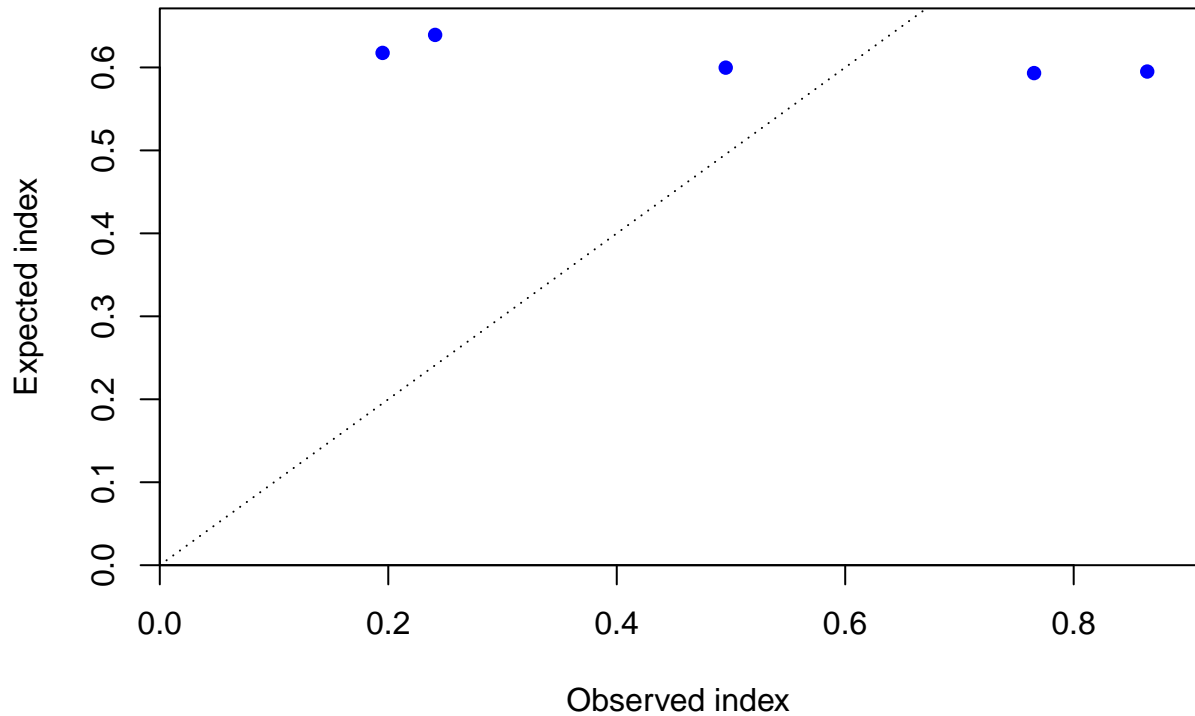
Index

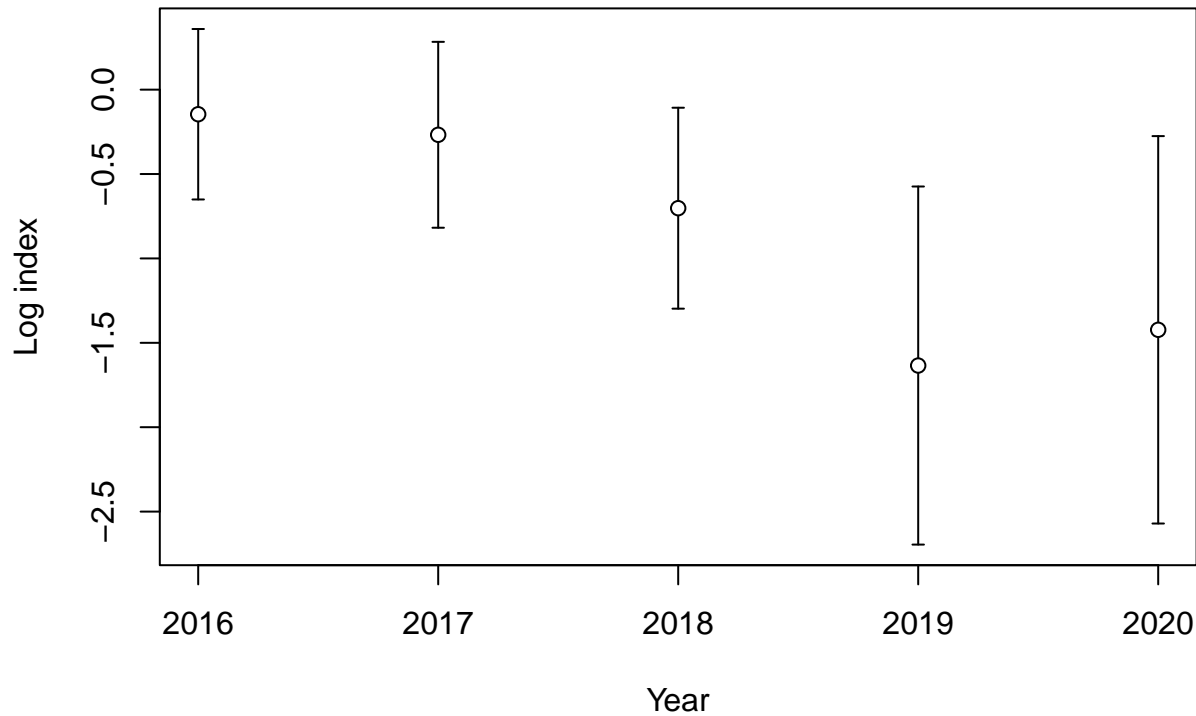


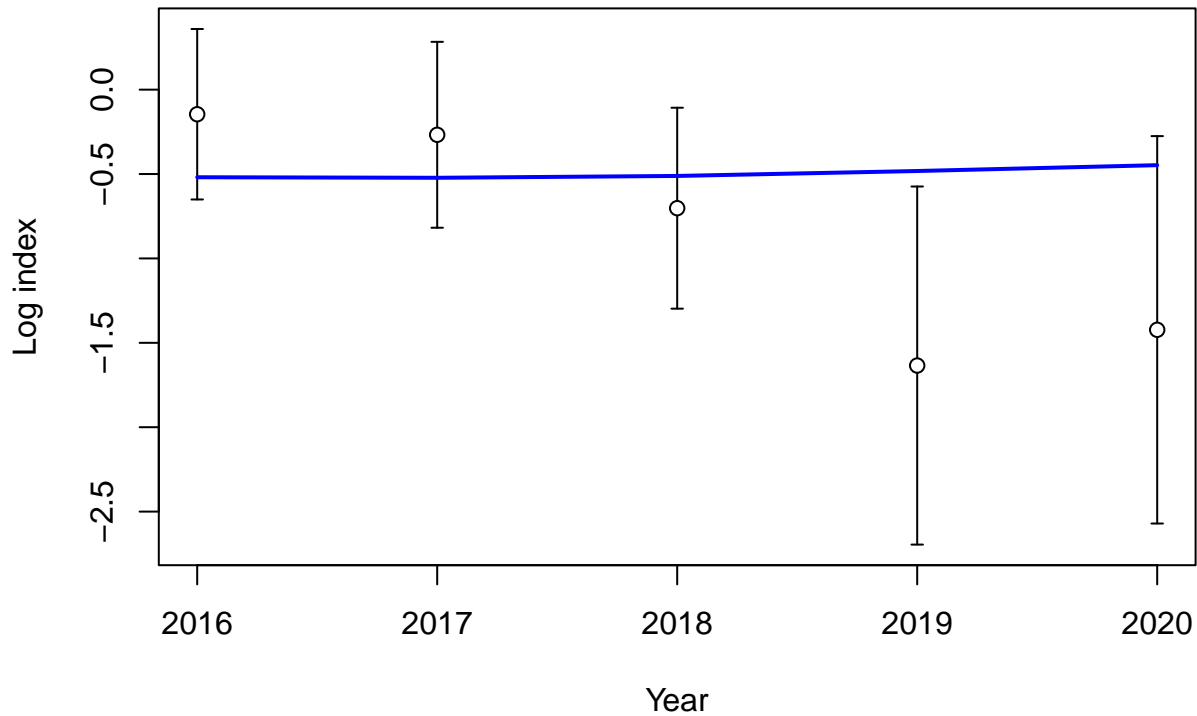
Year

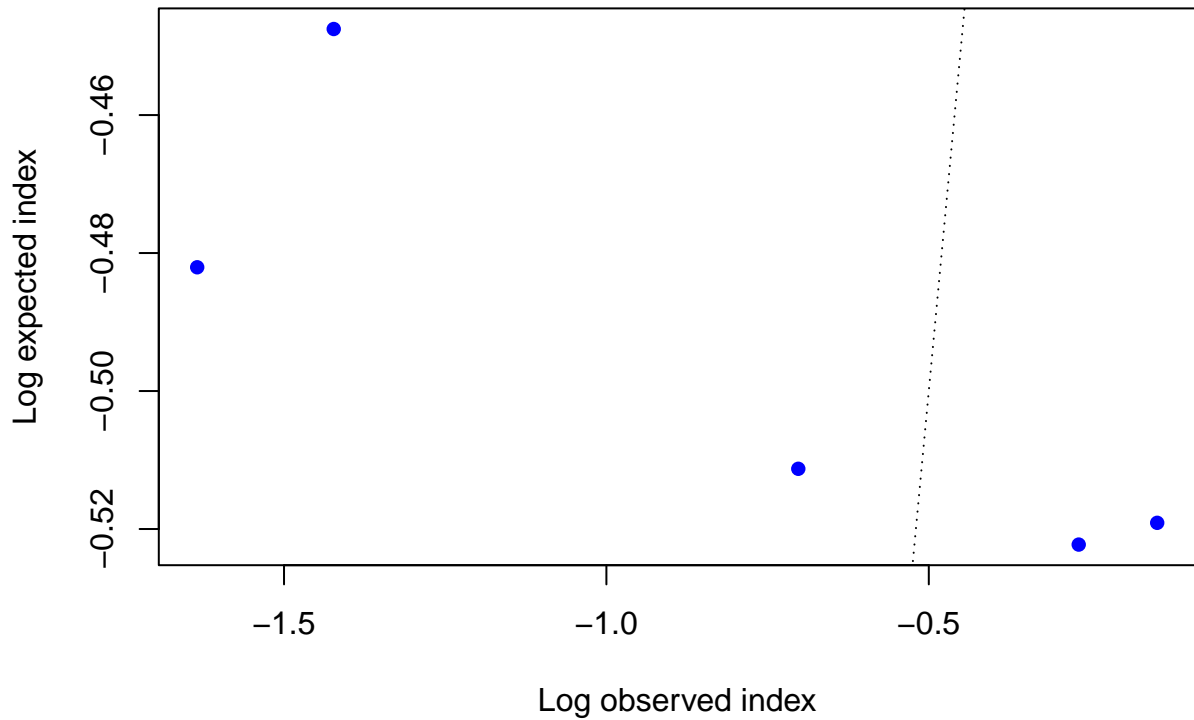
Index



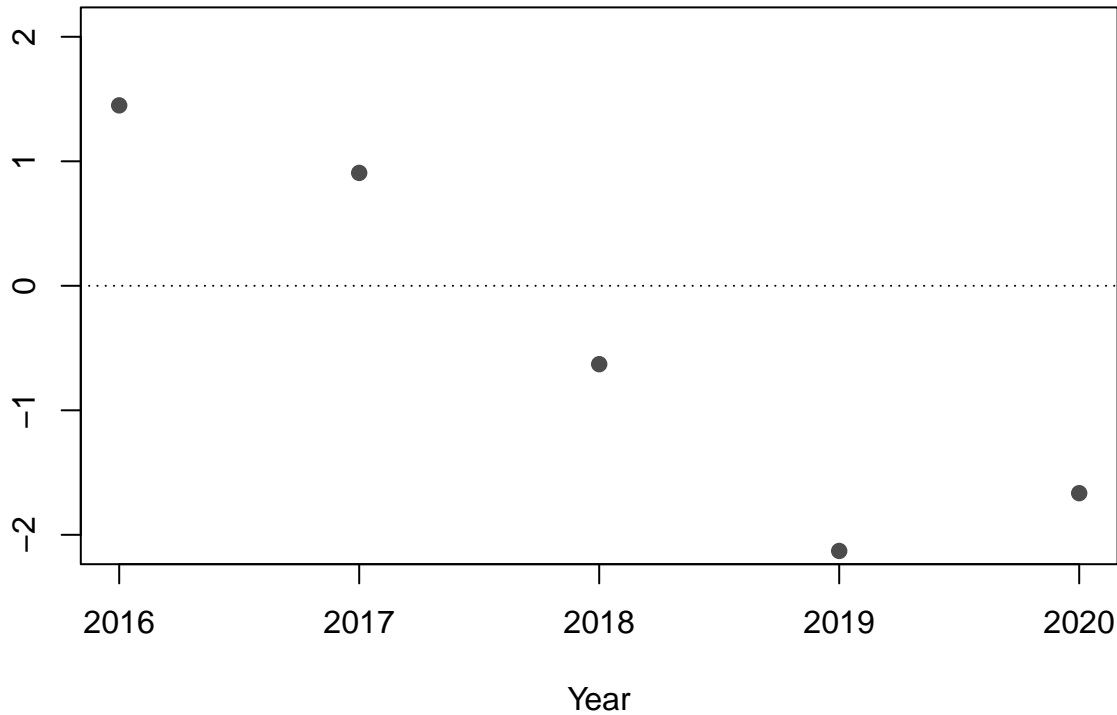


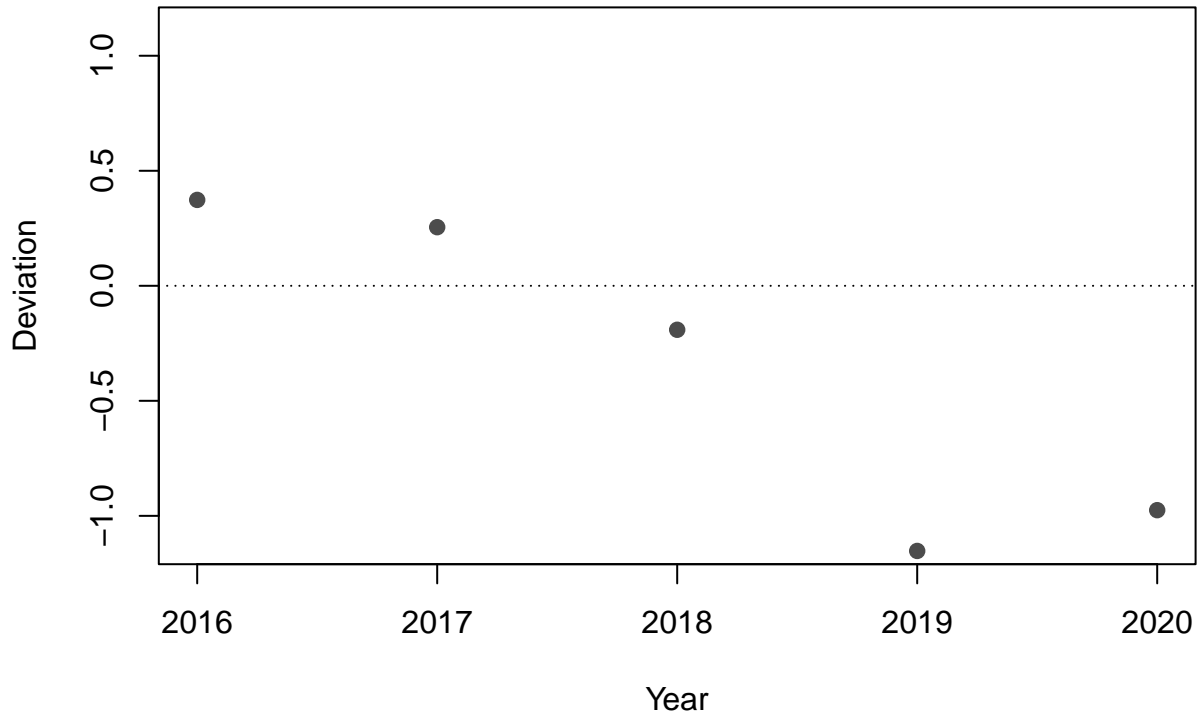


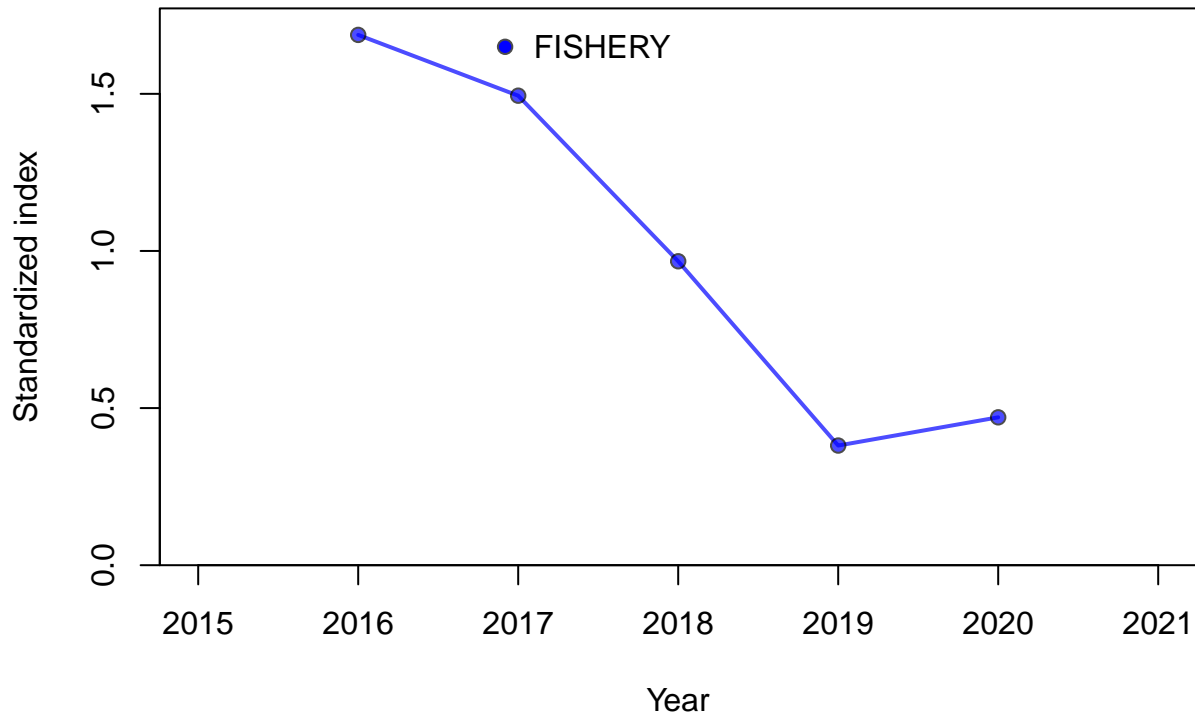


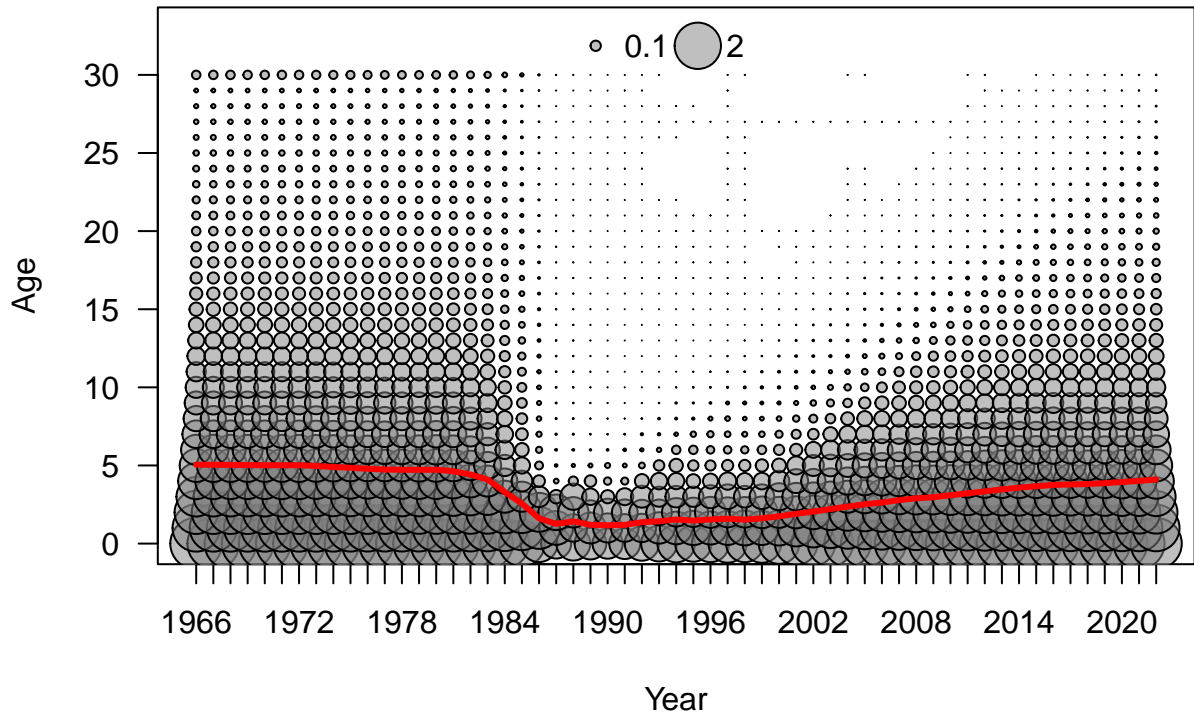


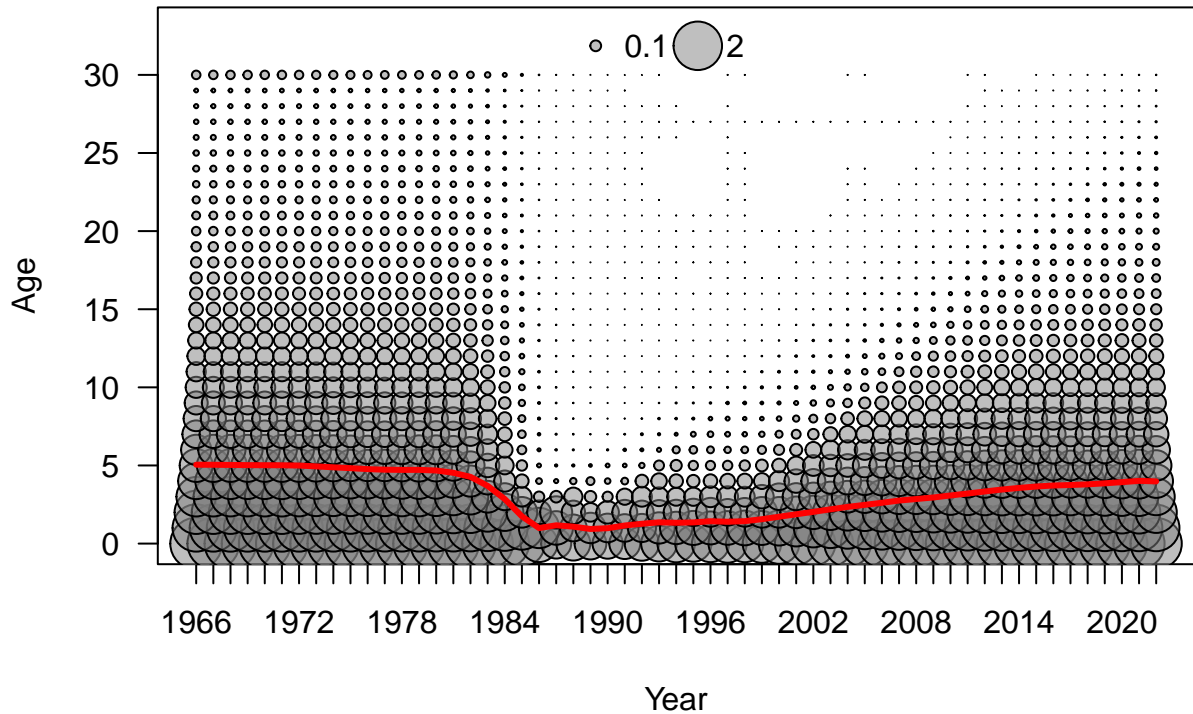
Residual

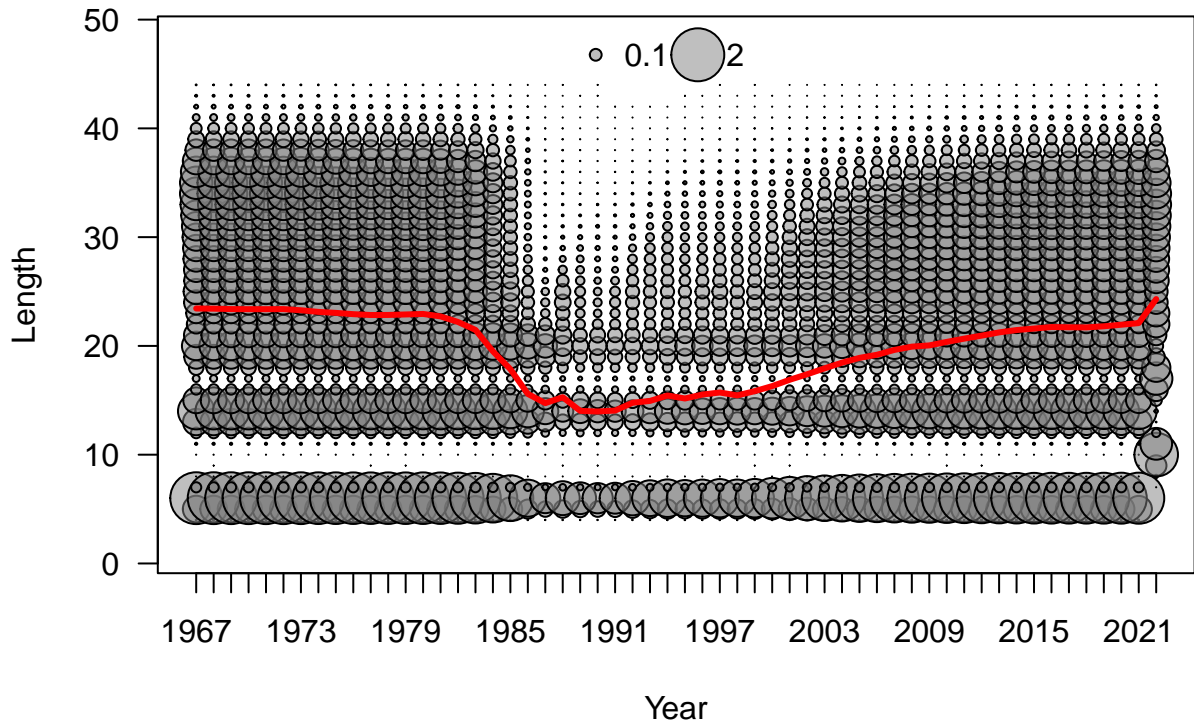


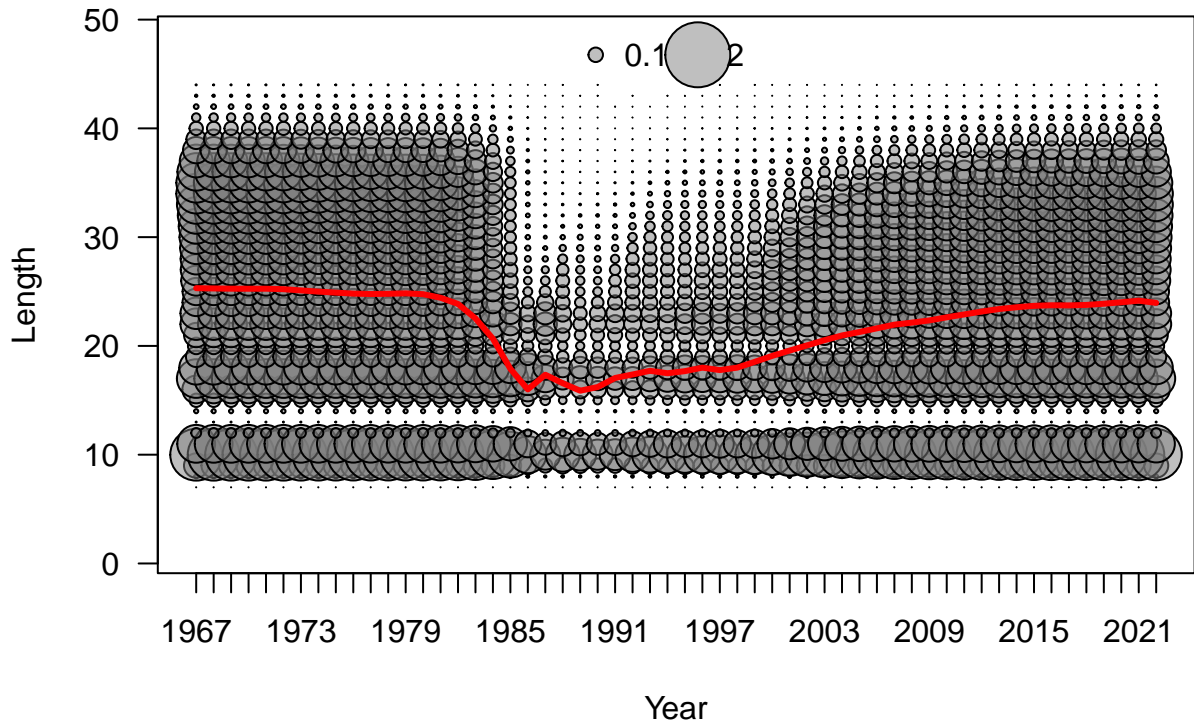


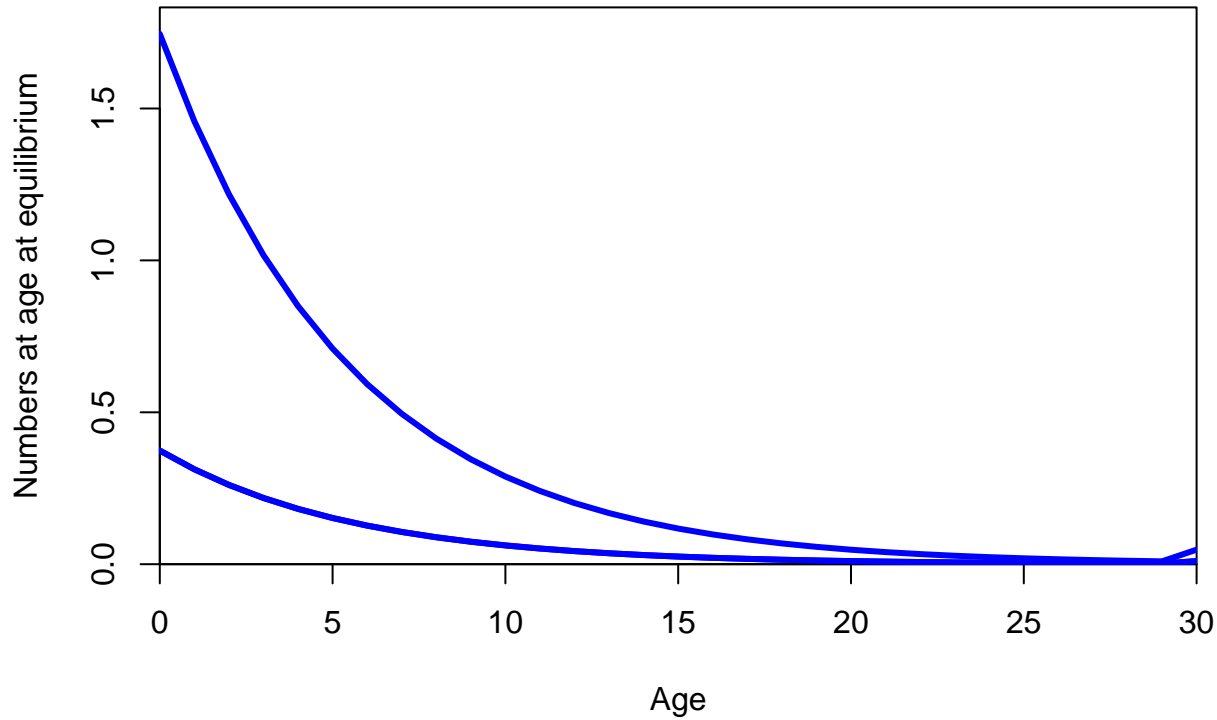






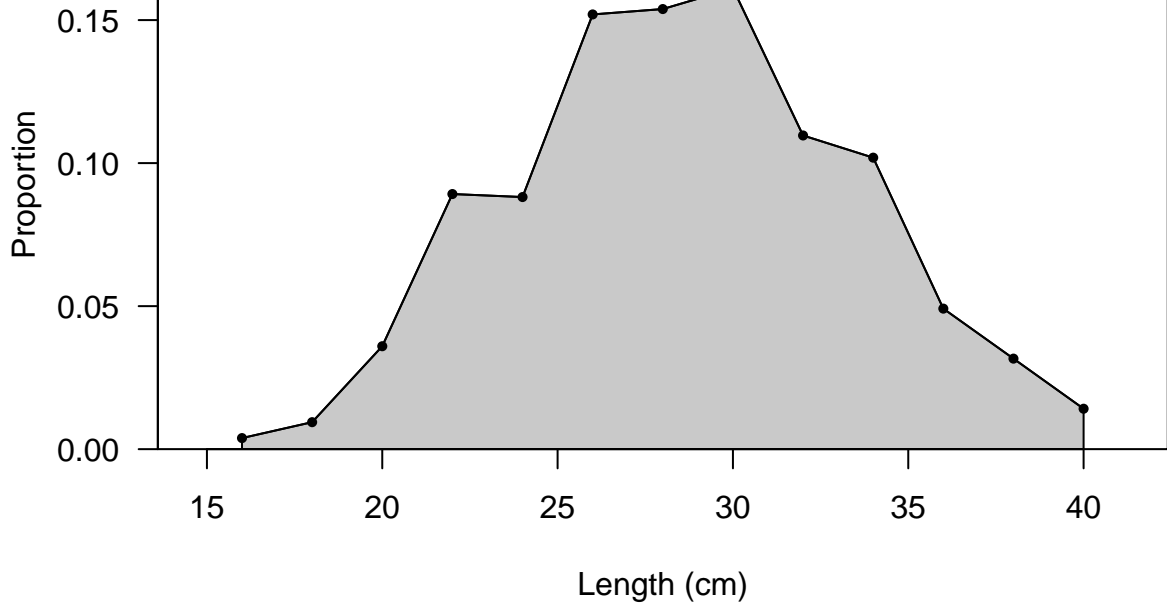






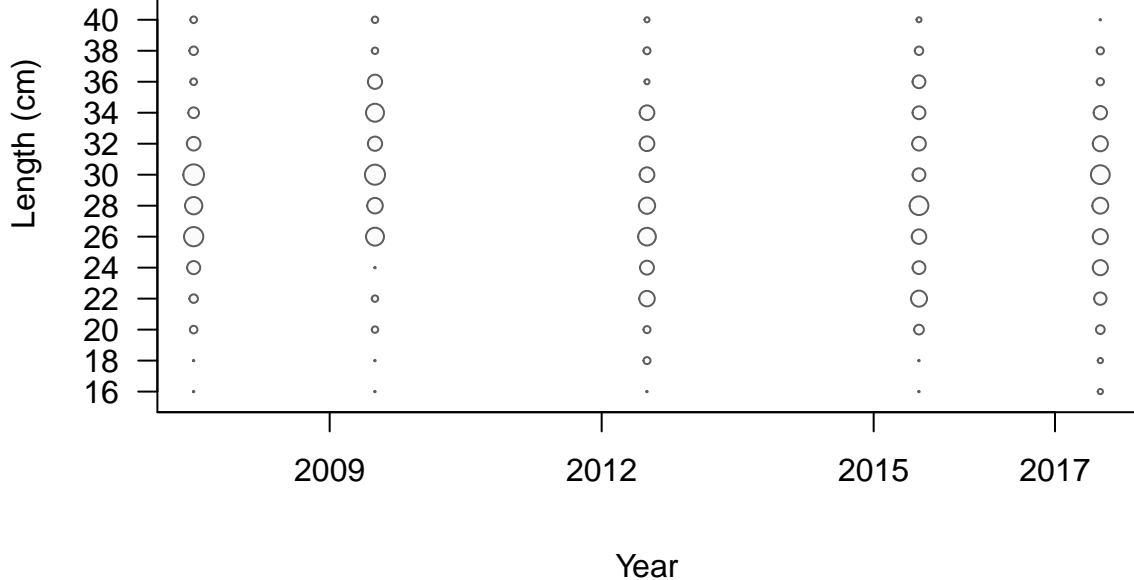
FISHERY

Sum of N input=286

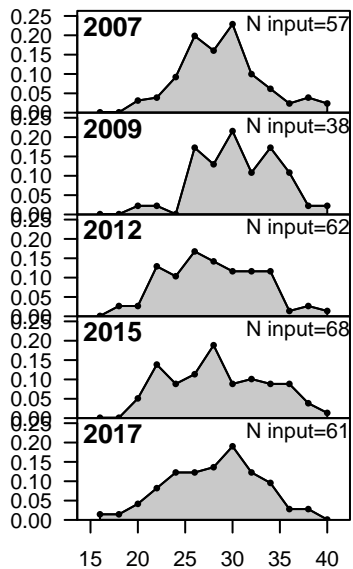


FISHERY

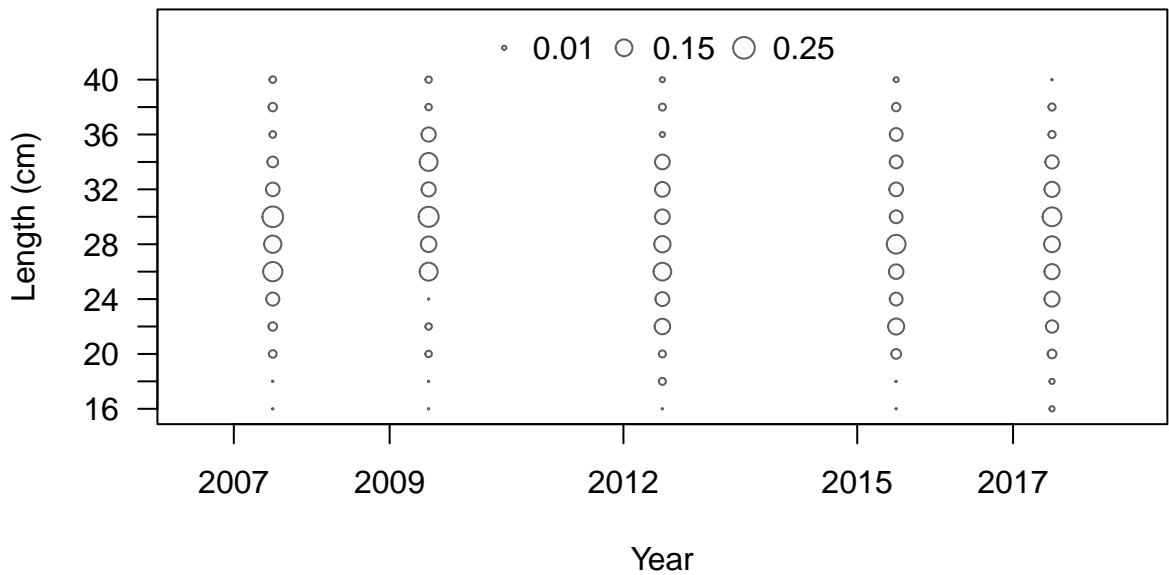
◦ 0.01 ○ 0.15 ○ 0.25



Proportion



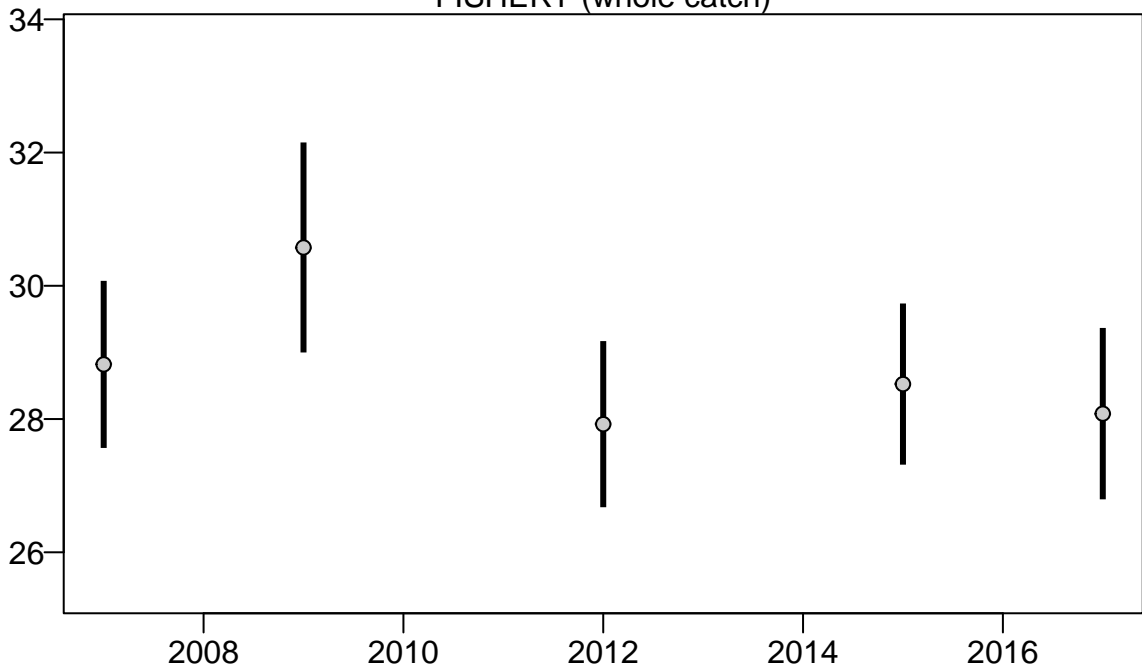
Length (cm)



FISHERY (whole catch)

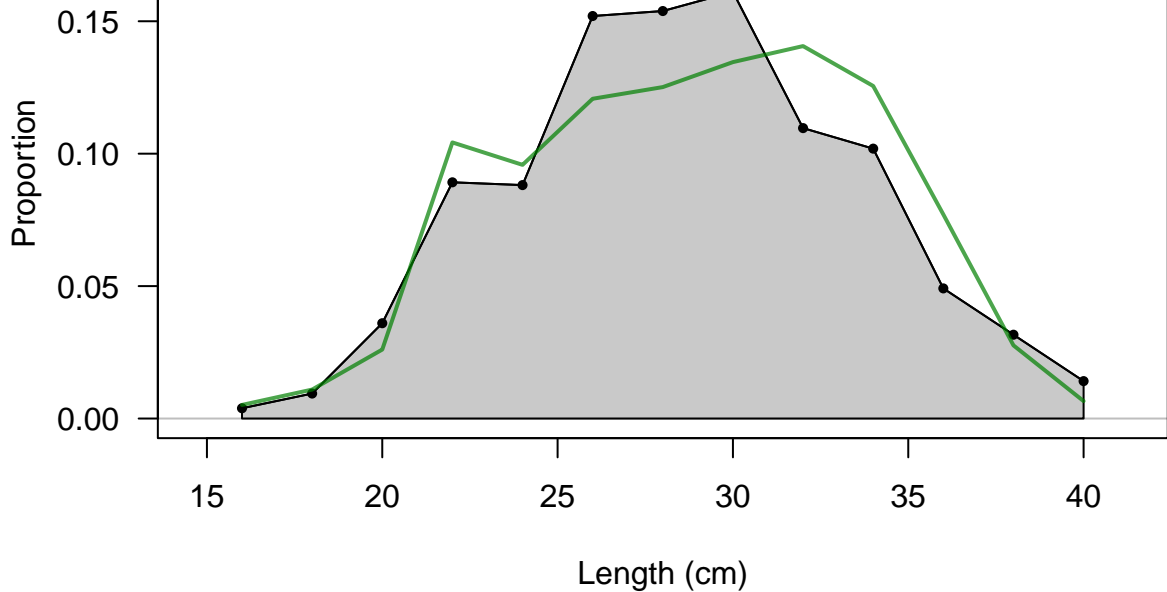
Mean length

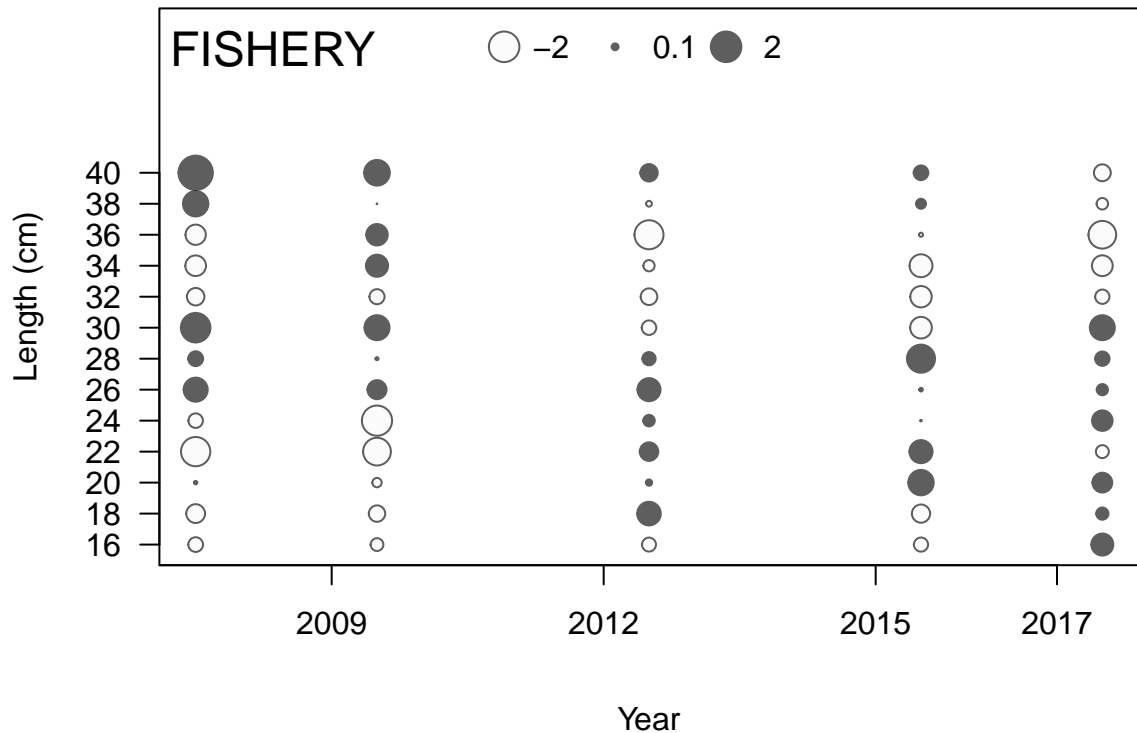
Year



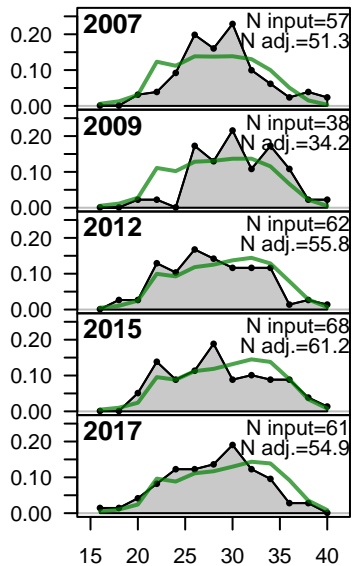
FISHERY

Sum of N input=286
Sum of N adj.=257.4

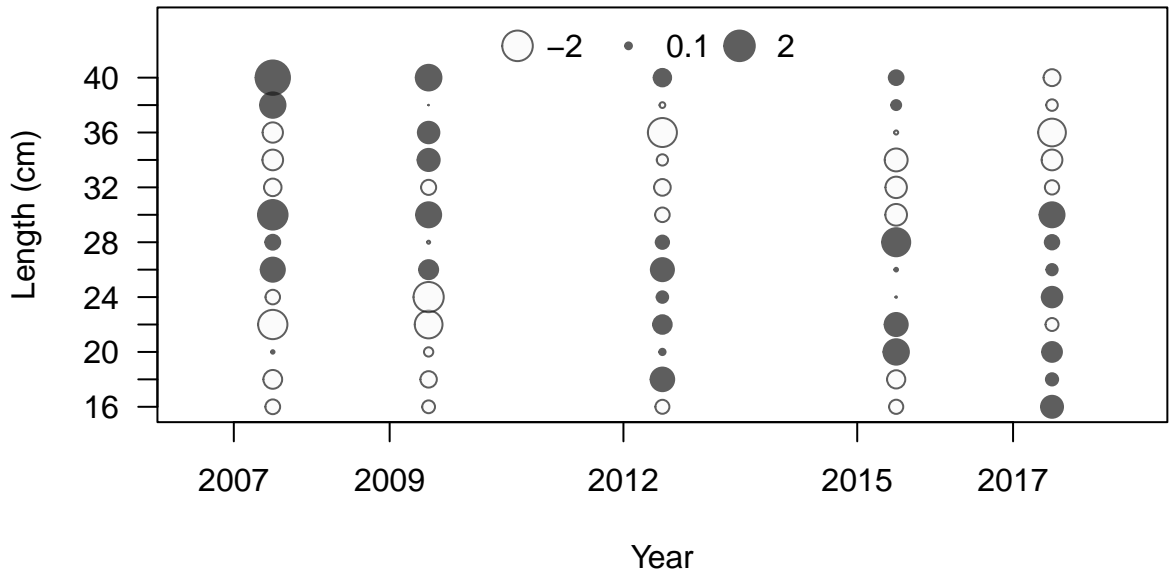




Proportion



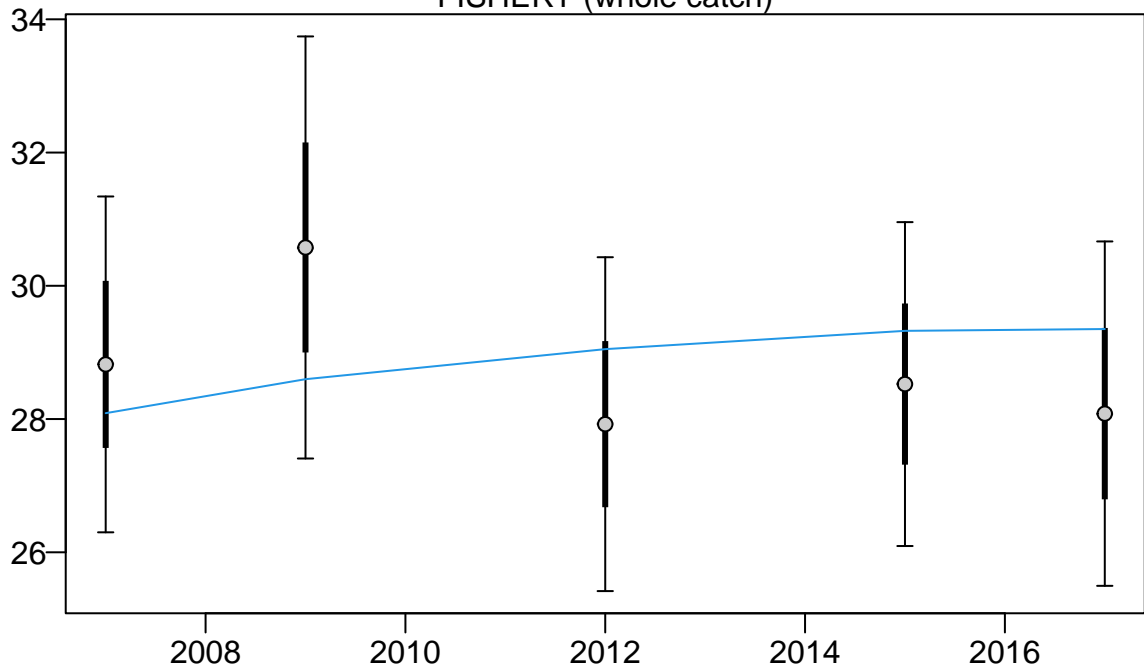
Length (cm)

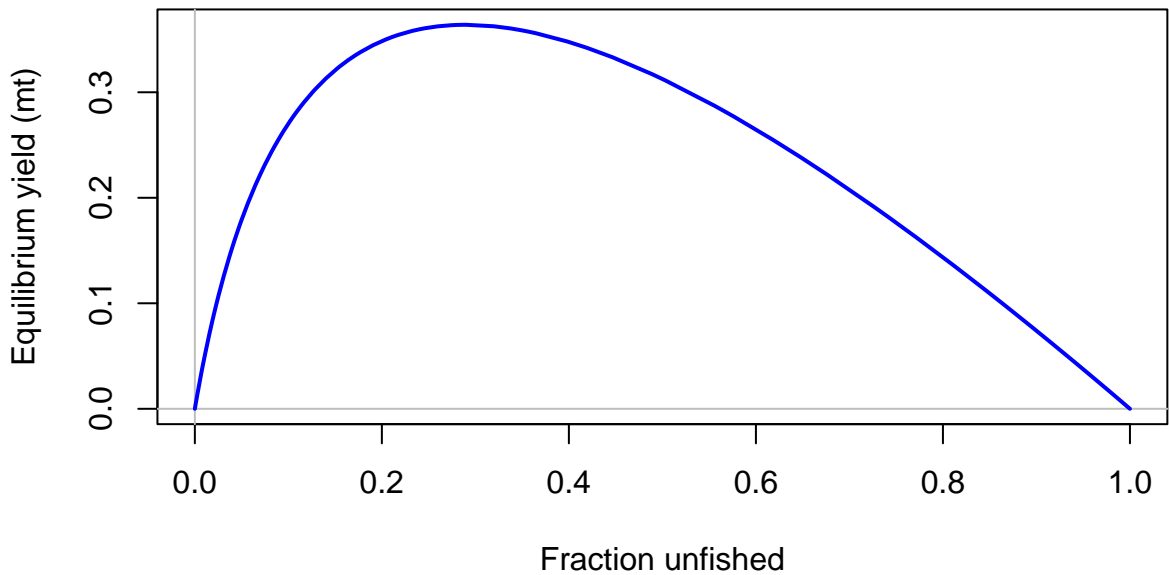


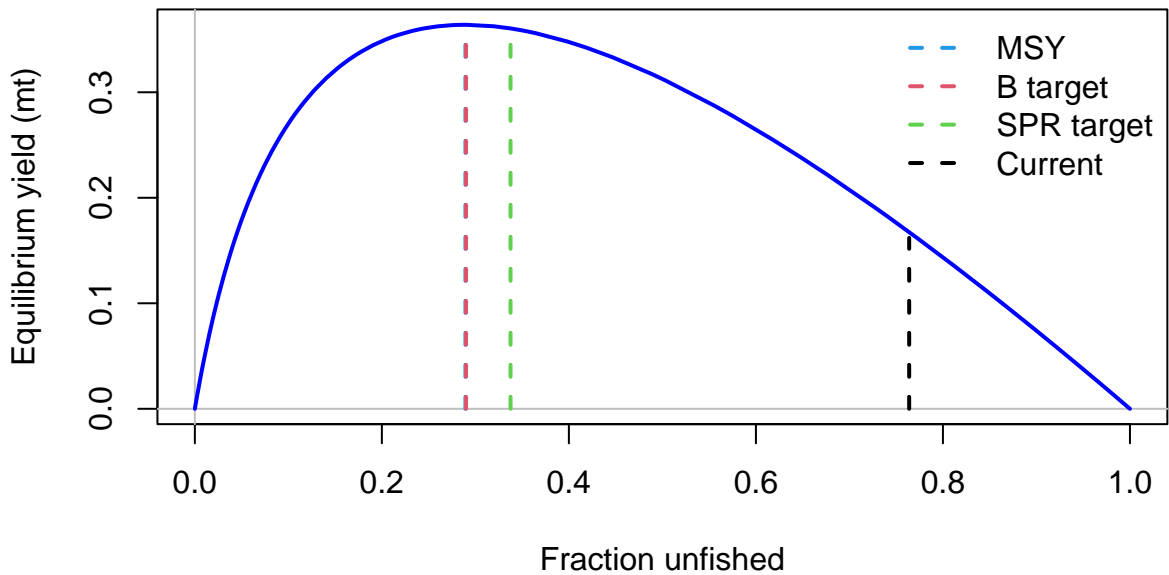
FISHERY (whole catch)

Mean length

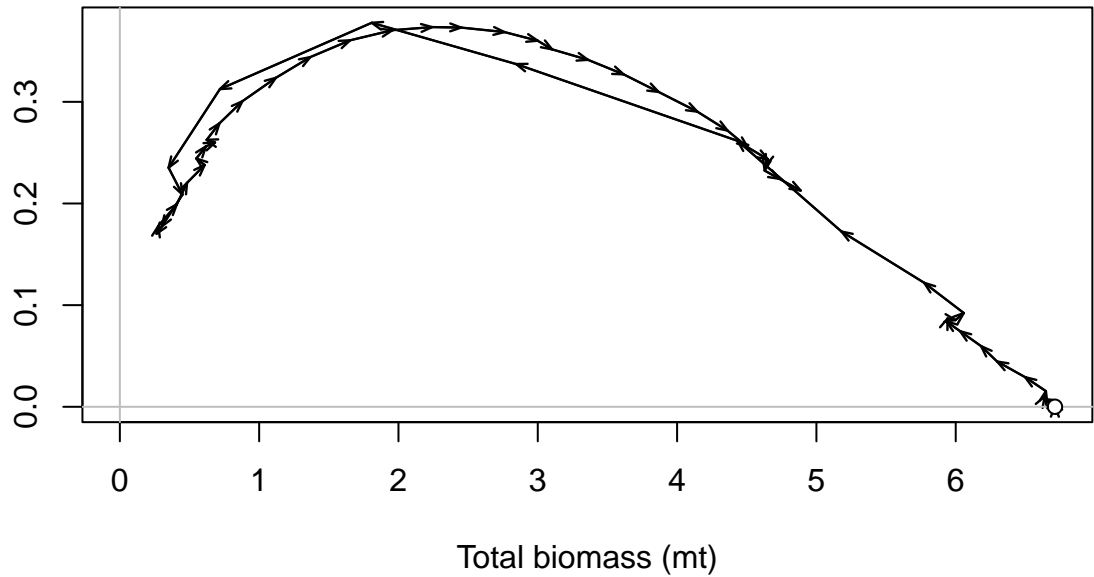
Year

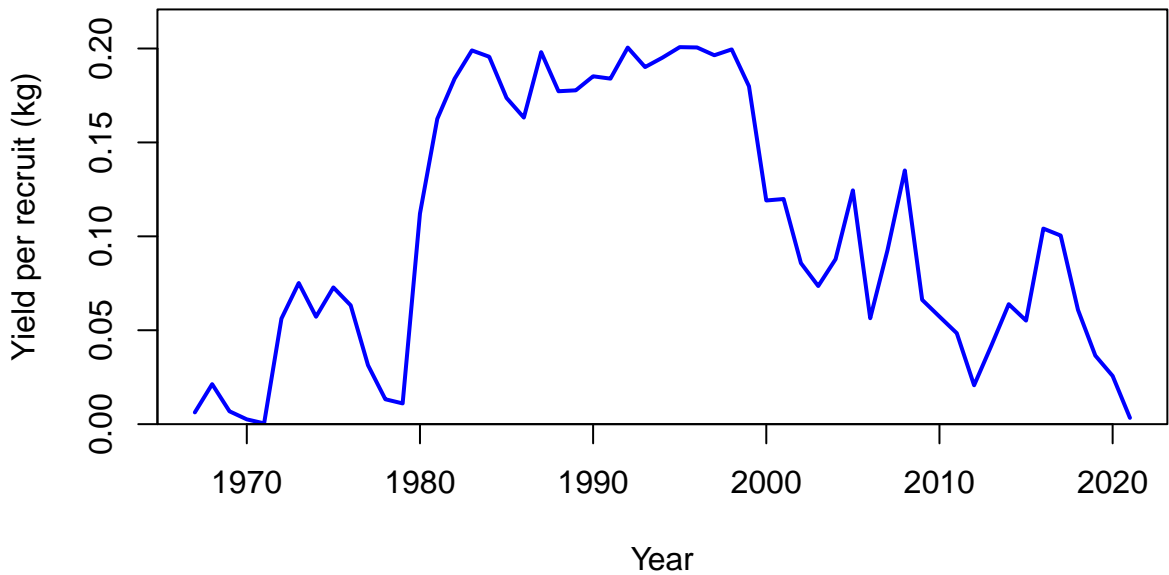


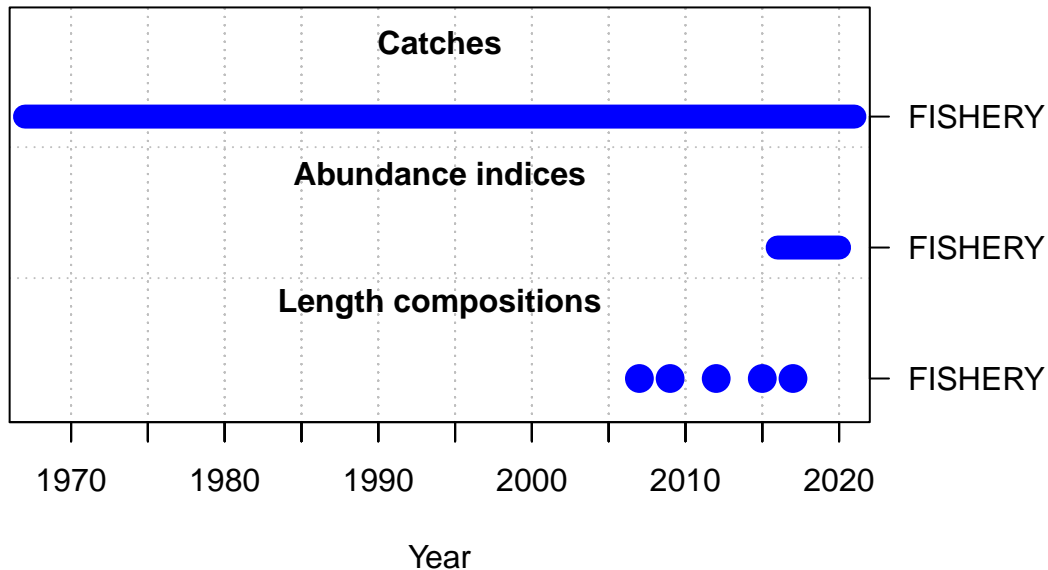


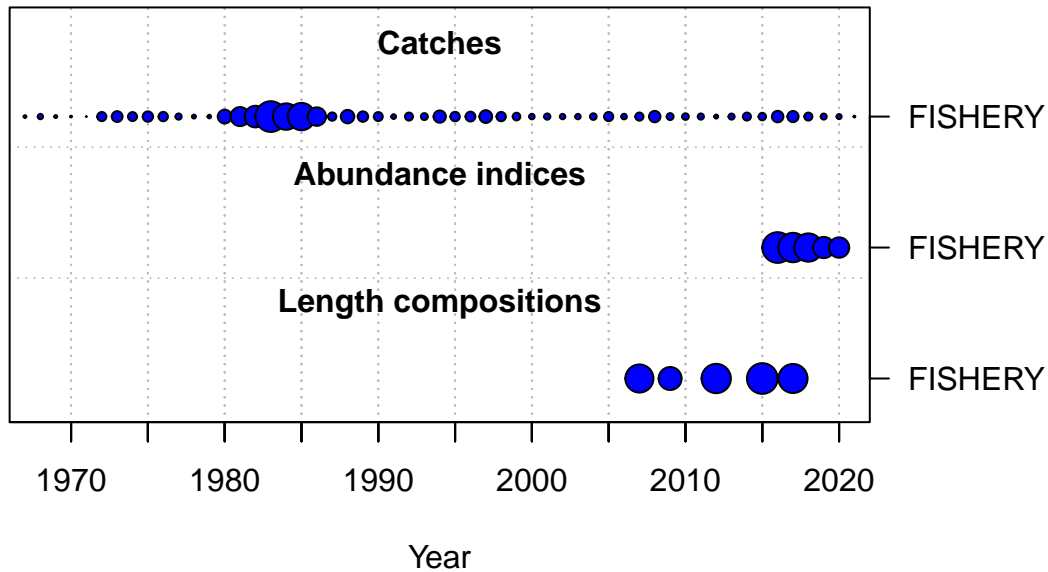


Surplus production (mt)

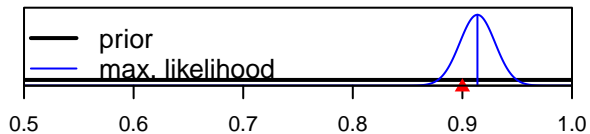




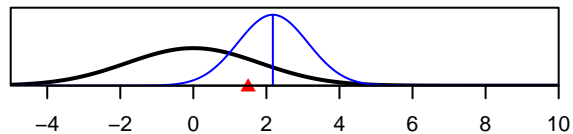




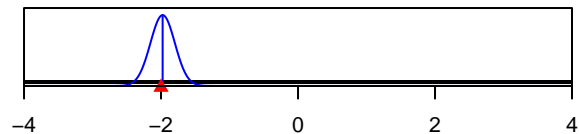
SR_LN(R0)



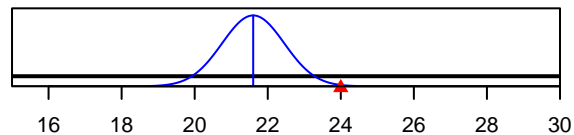
ln(DM_theta)_1



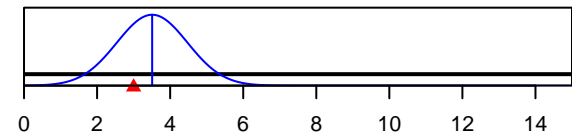
LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Parameter value