

Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Oct 11 12:44:01 2022
Data_File: data.ss
Control_File: control.ss

Length (cm, beginning of the year)











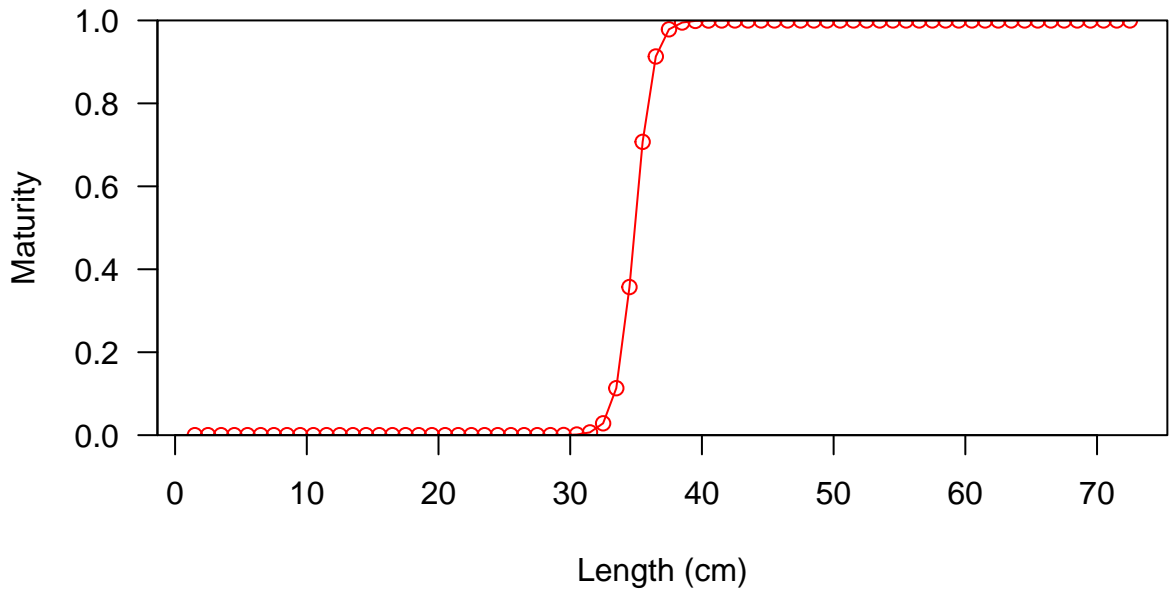






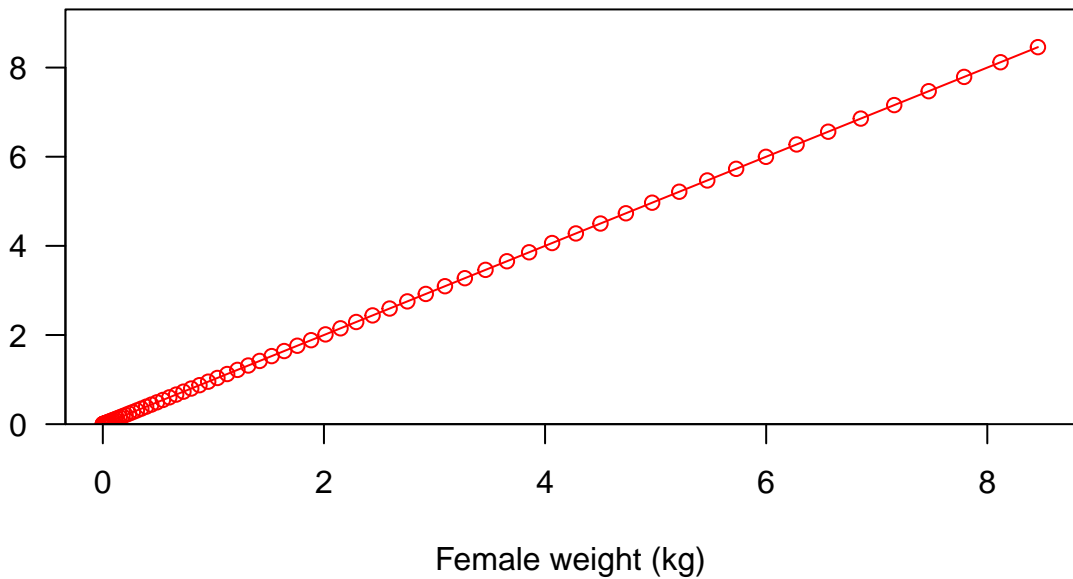








Fecundity



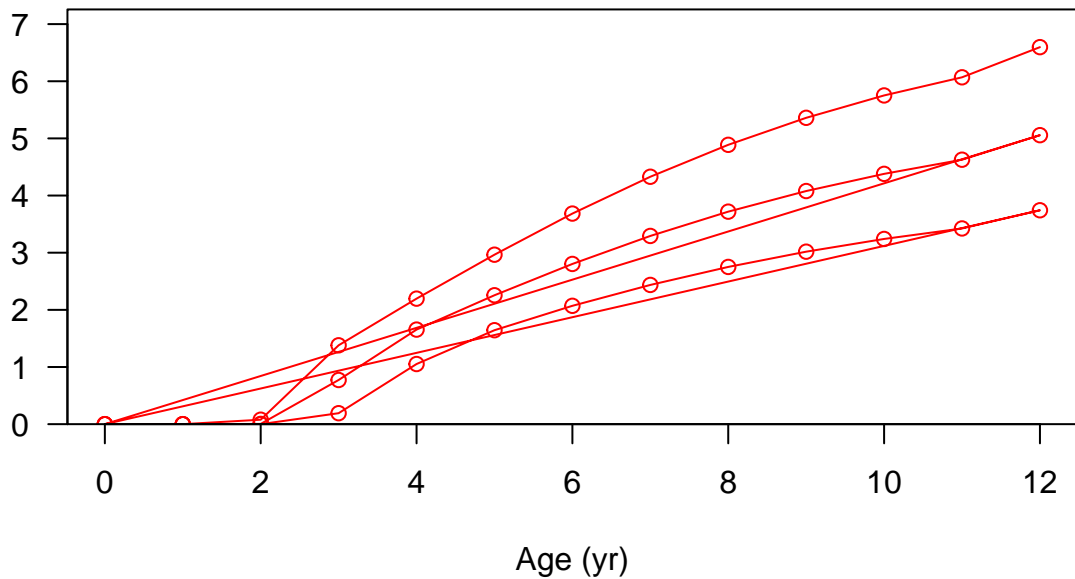
Fecundity



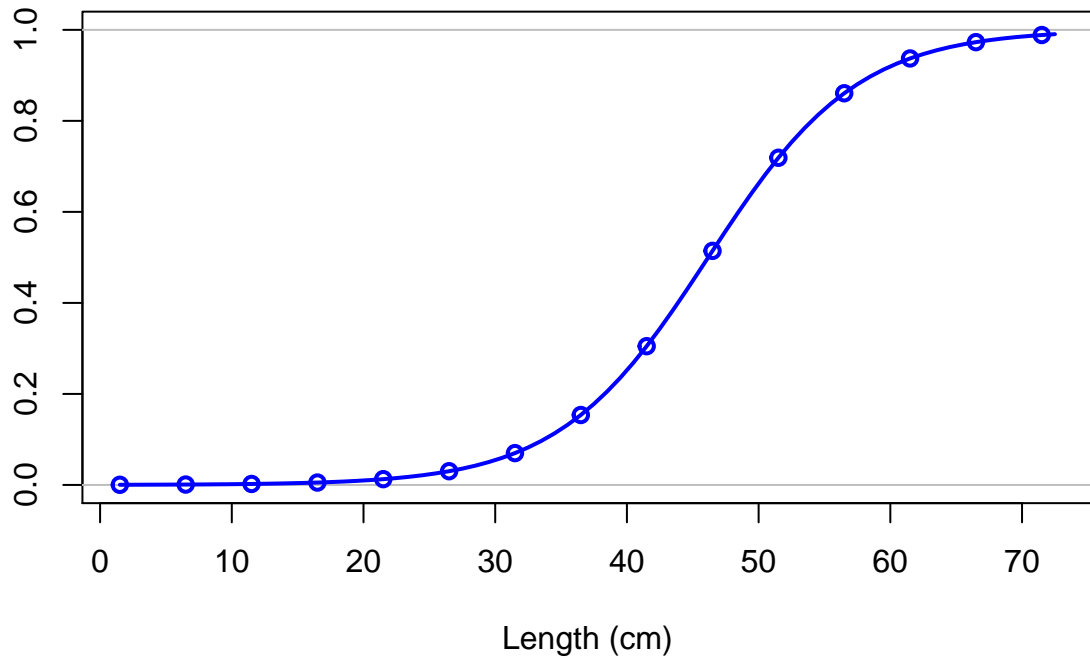
Spawning output



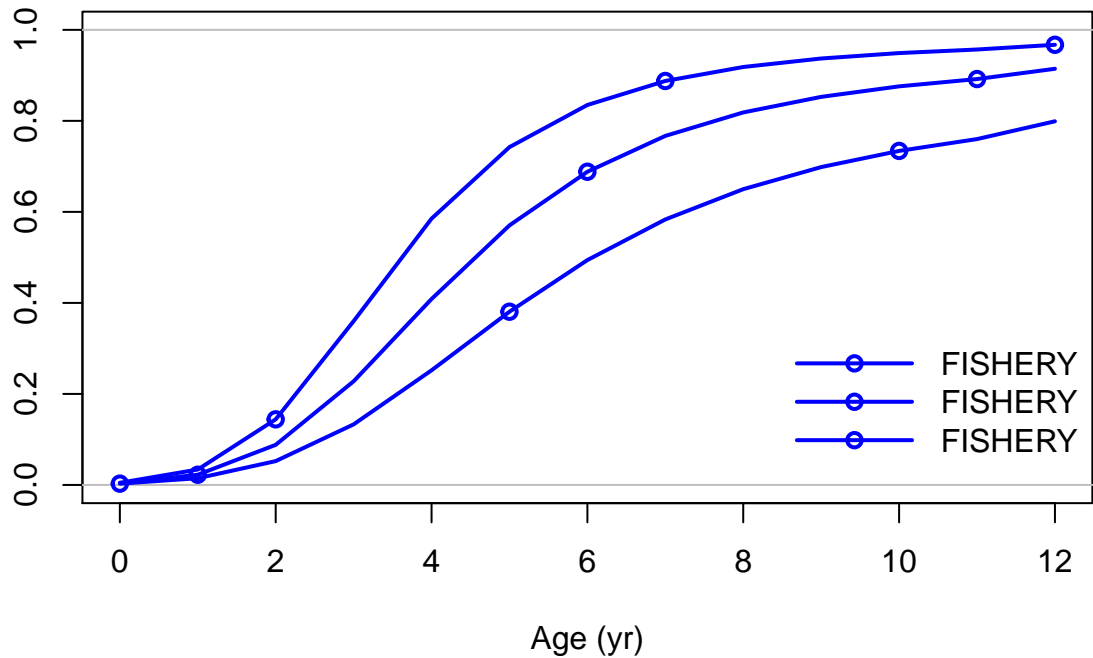
Spawning output



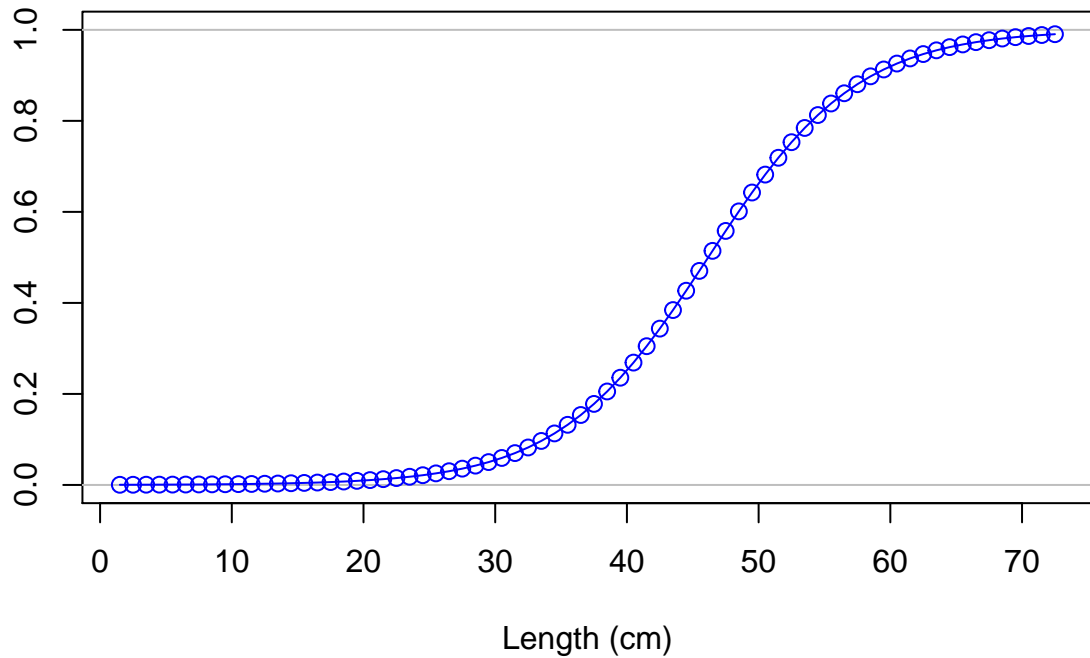
Selectivity

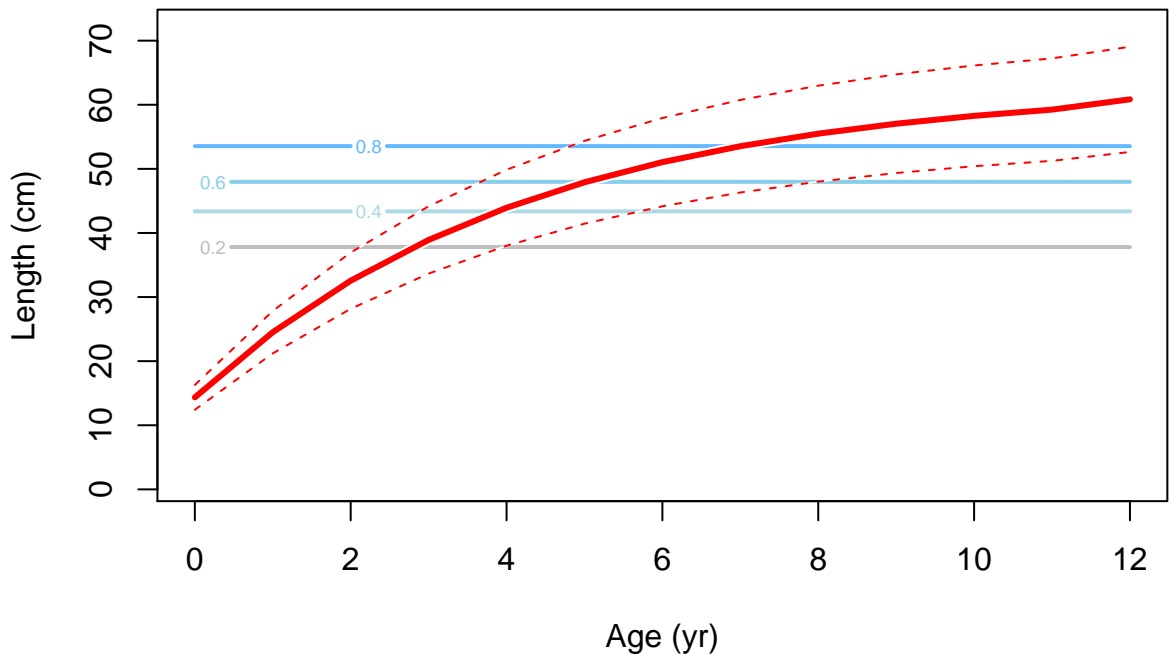


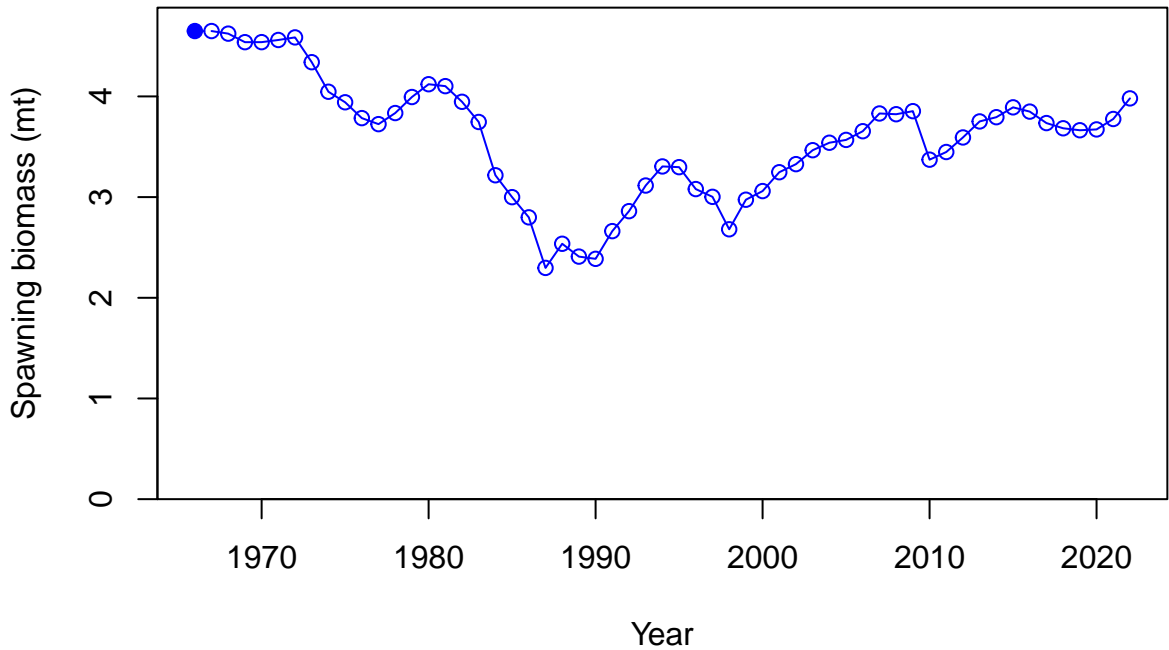
Selectivity

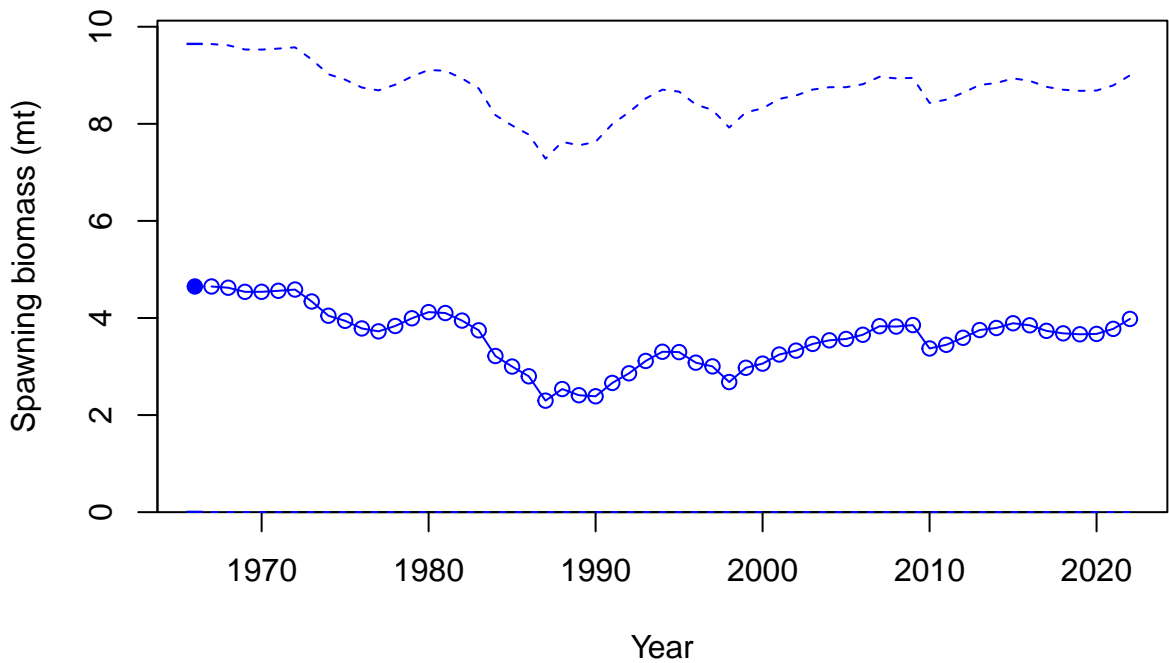


Selectivity

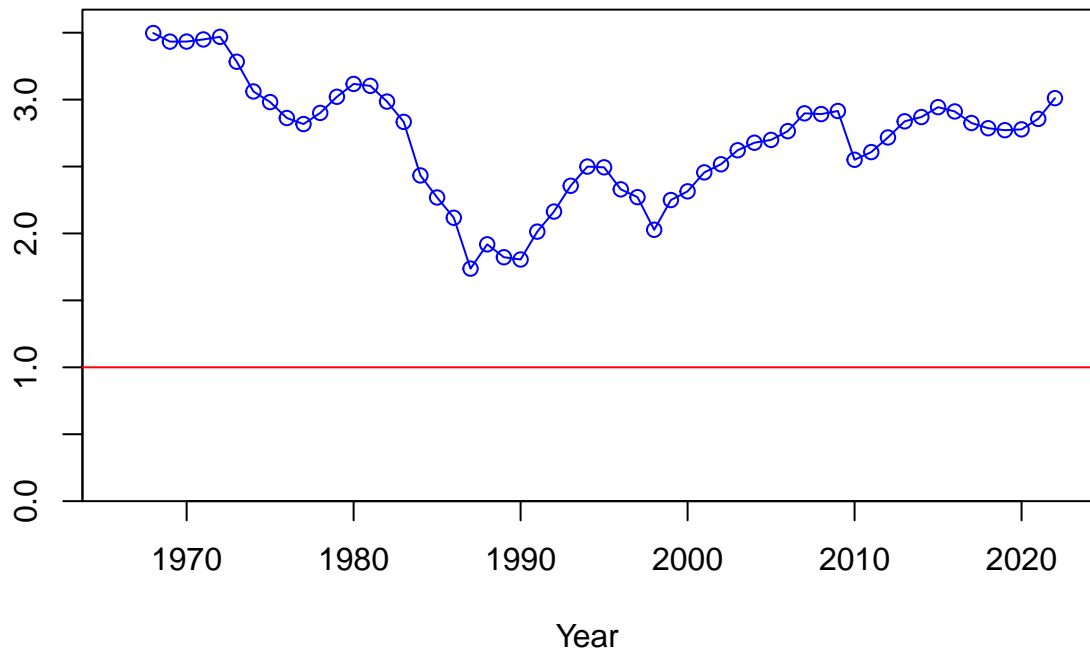




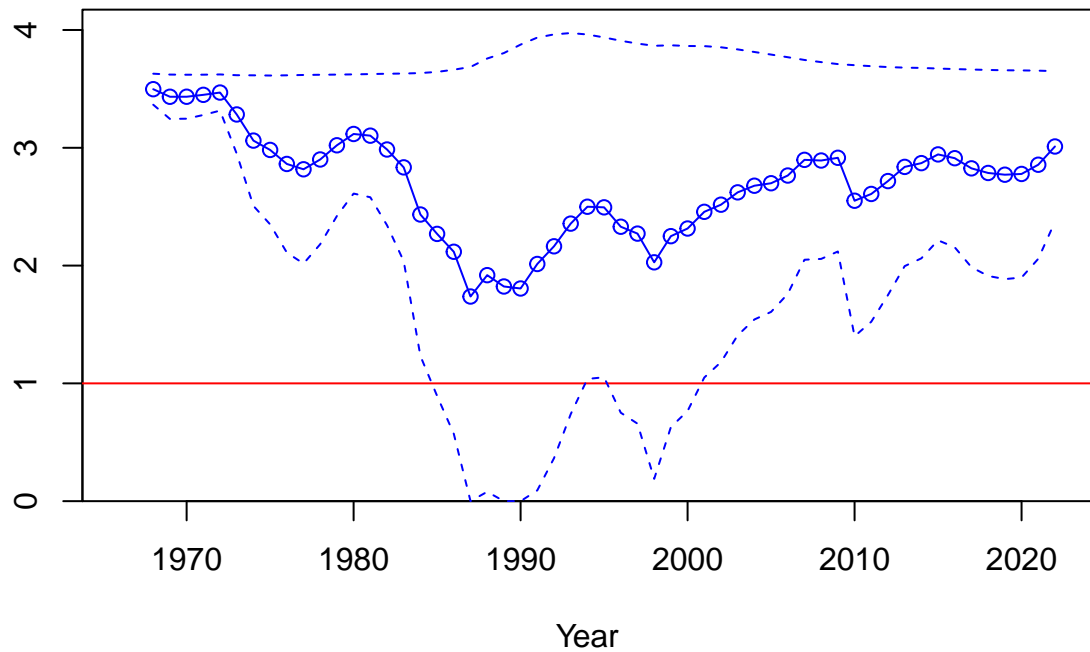


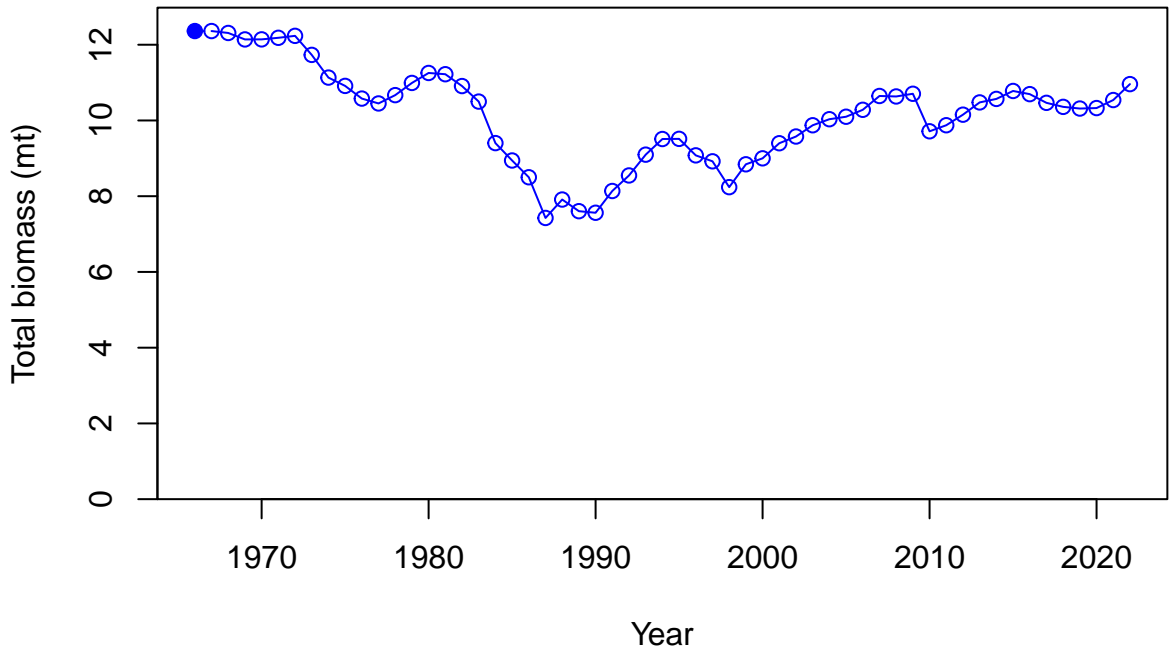


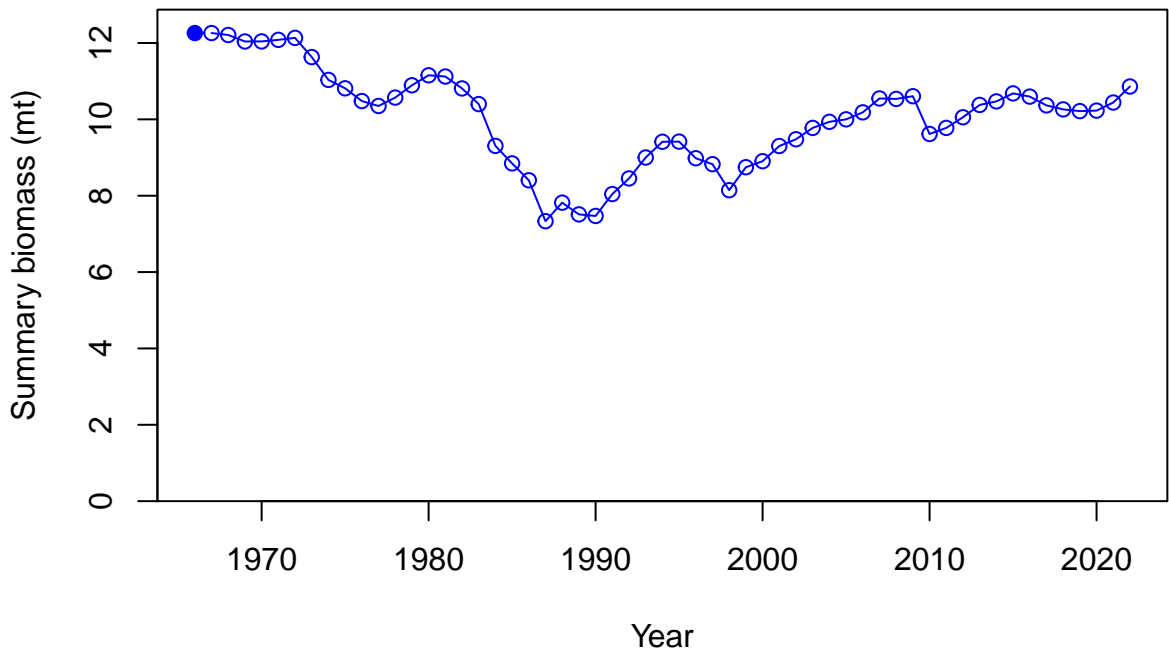
Relative spawning biomass: B/B_{MSY}



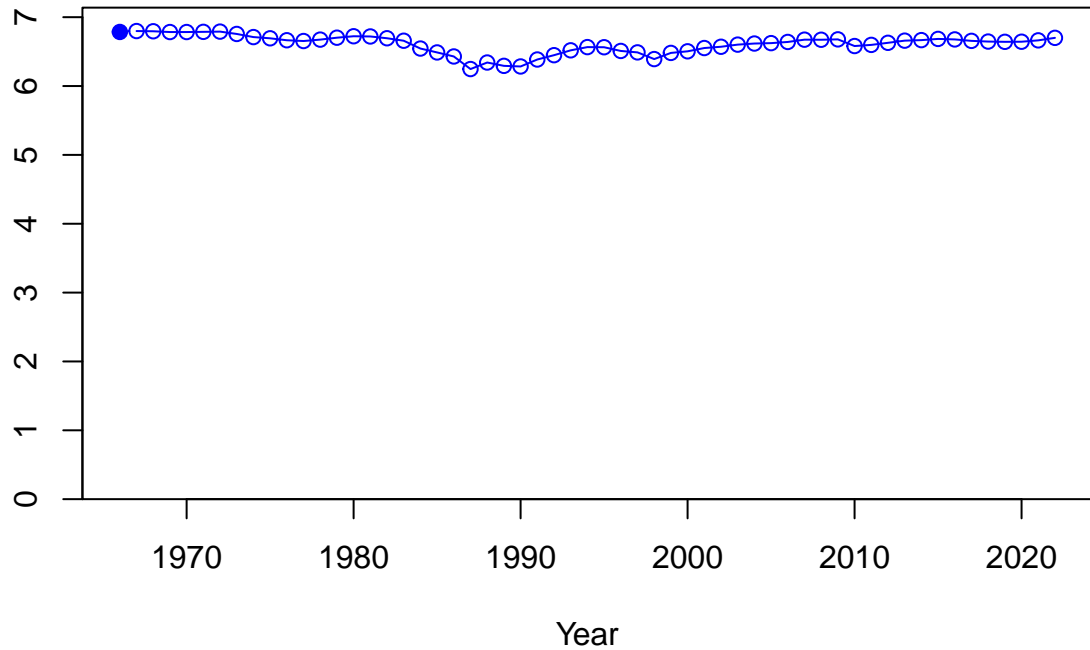
Relative spawning biomass: B/B_{MSY}

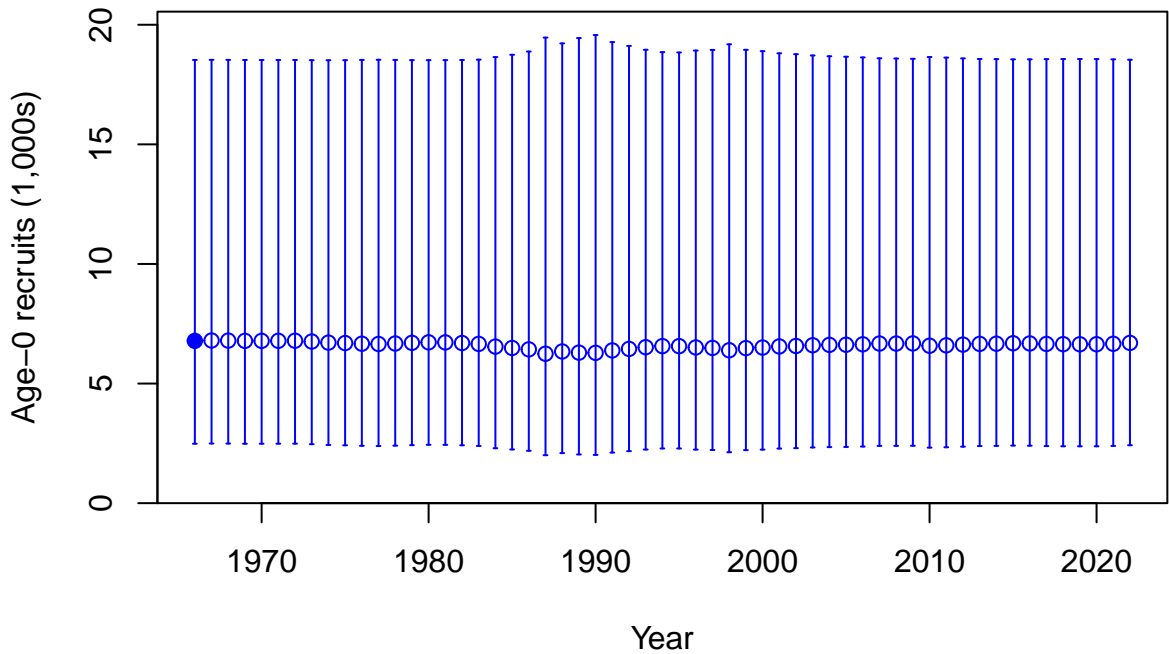




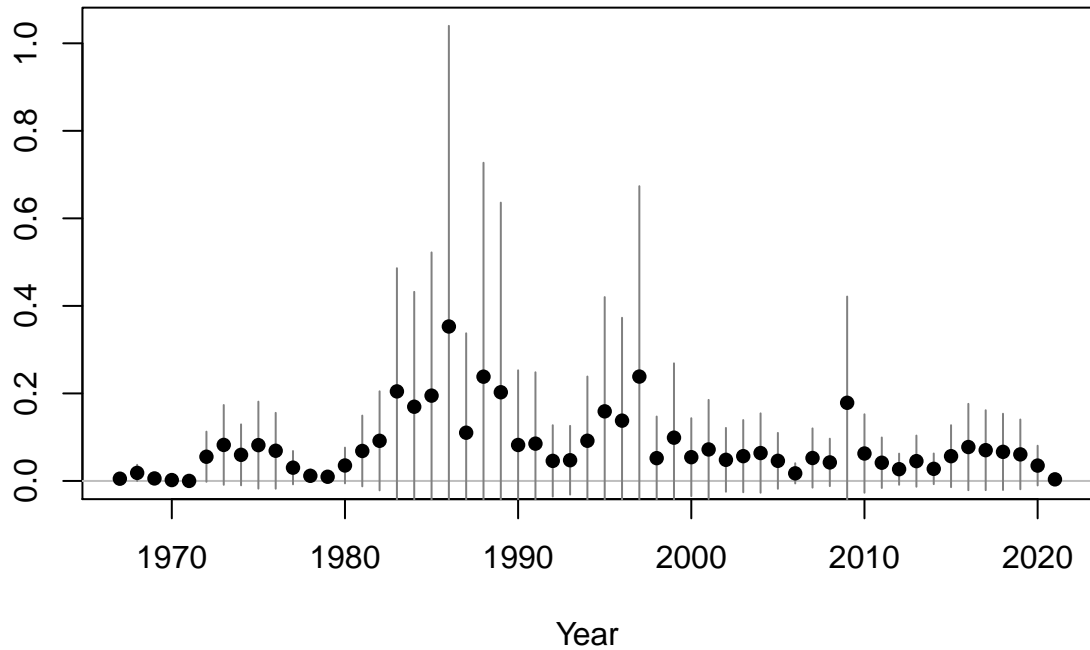


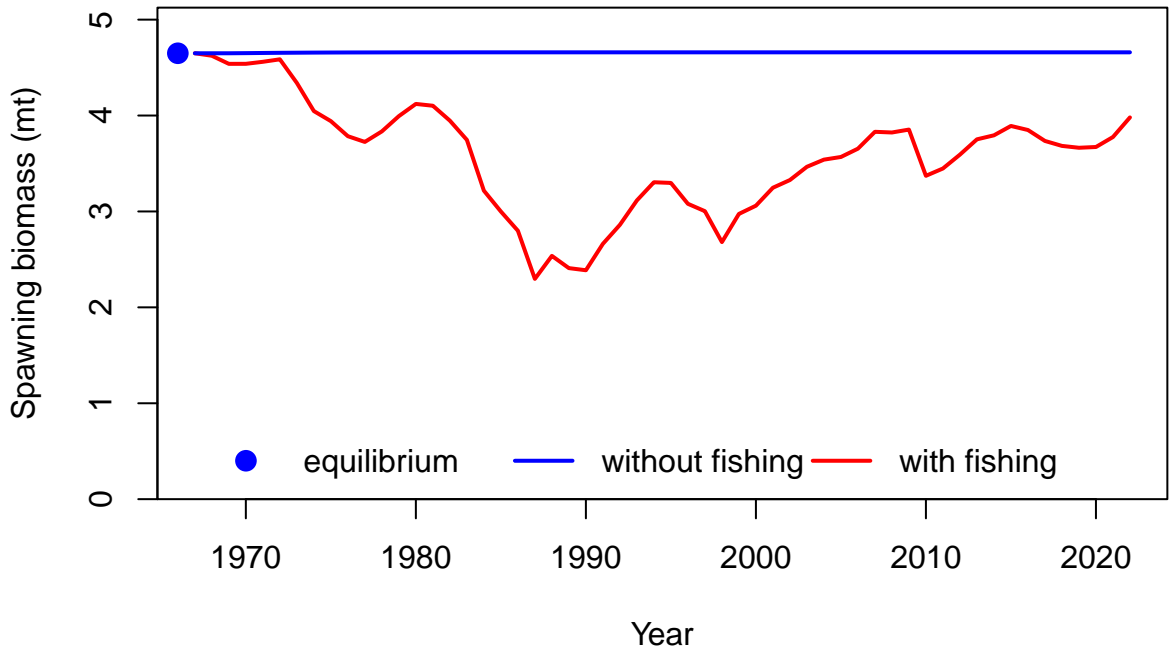
Age-0 recruits (1,000s)

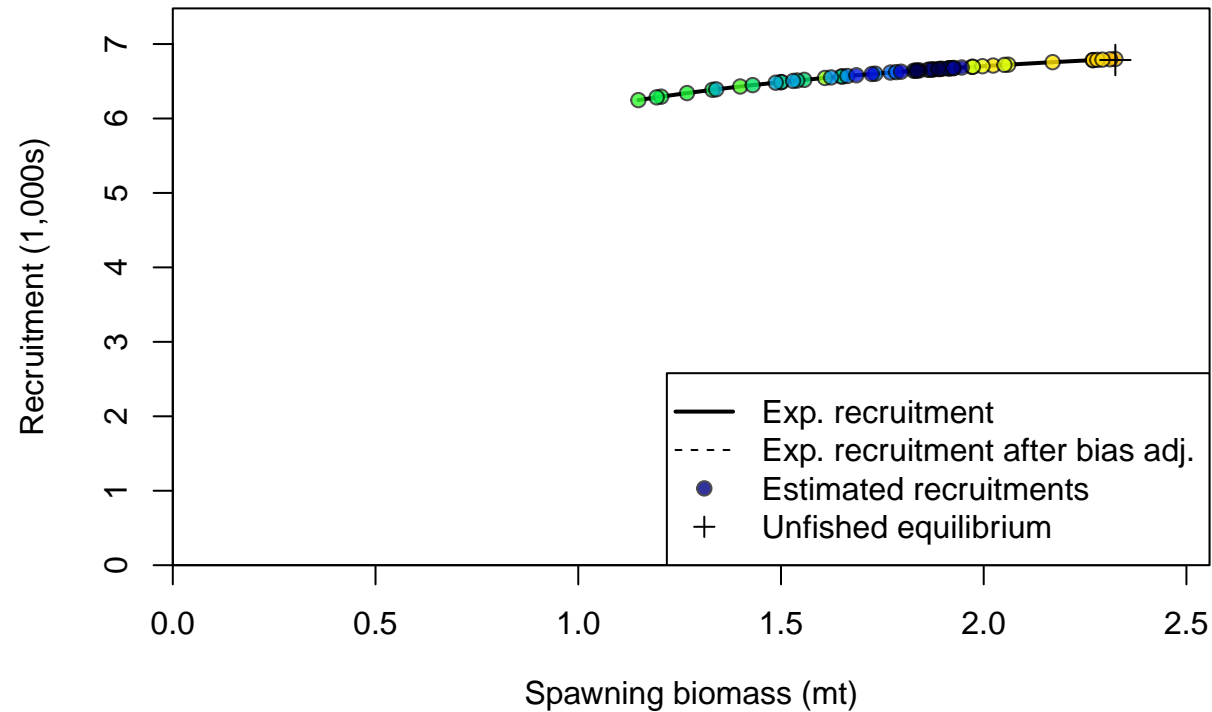




Summary Fishing Mortality







Recruitment (1,000s)

7
6
5
4
3
2
1
0

0.0

0.5

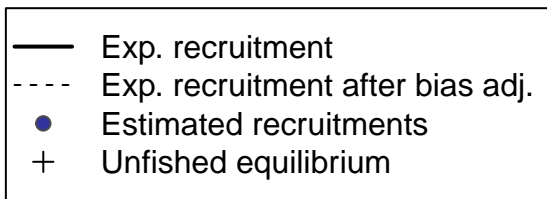
1.0

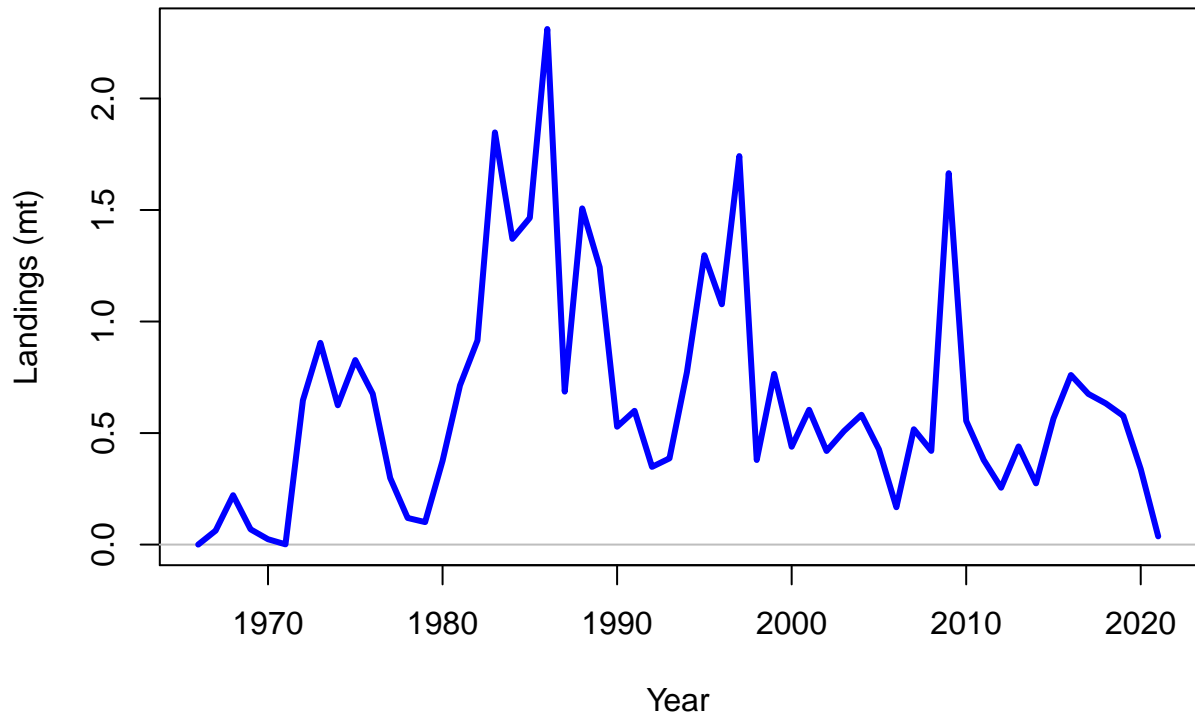
1.5

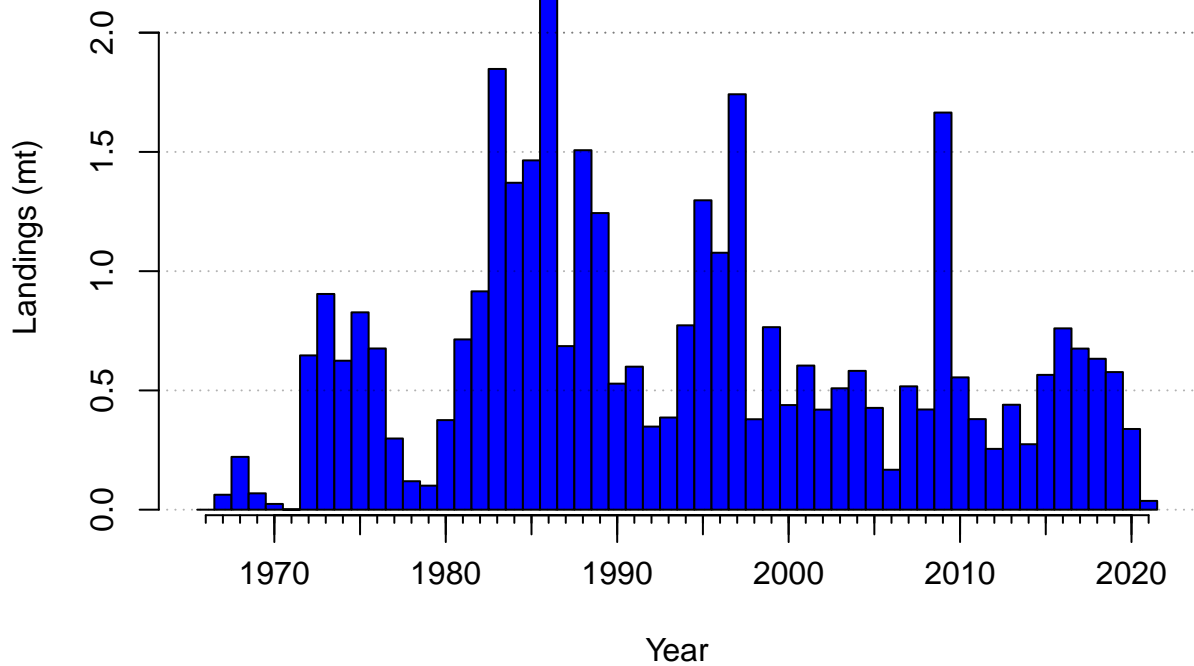
2.0

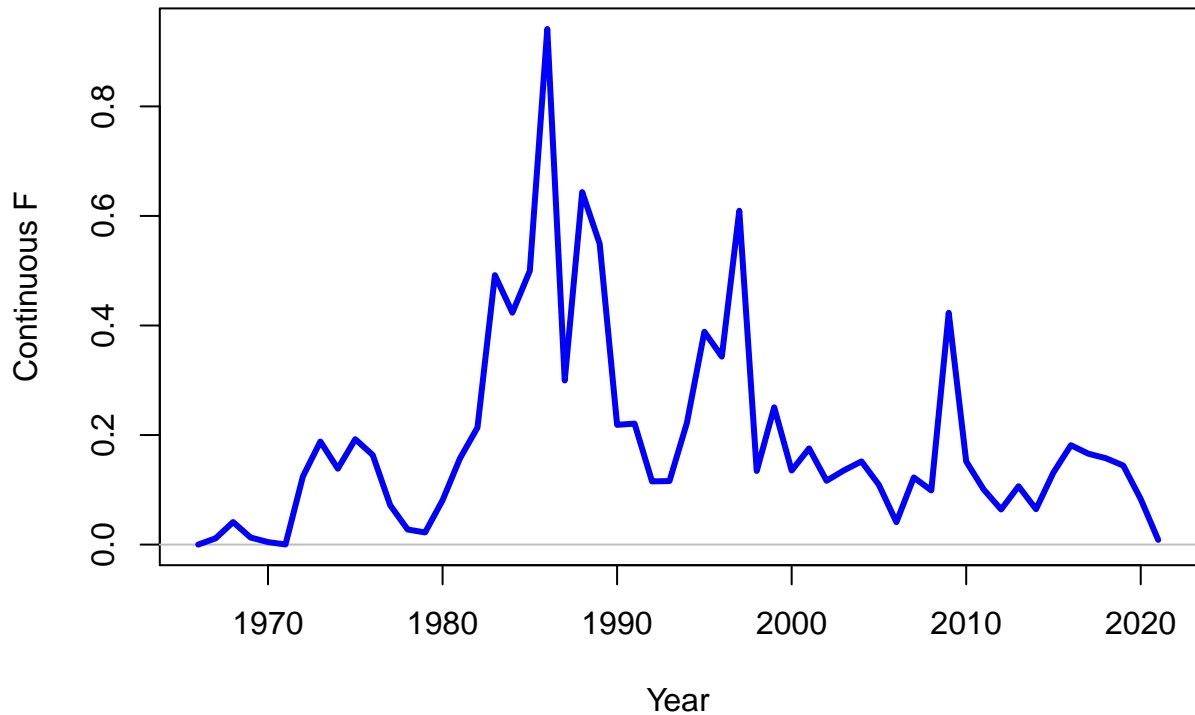
2.5

Spawning biomass (mt)

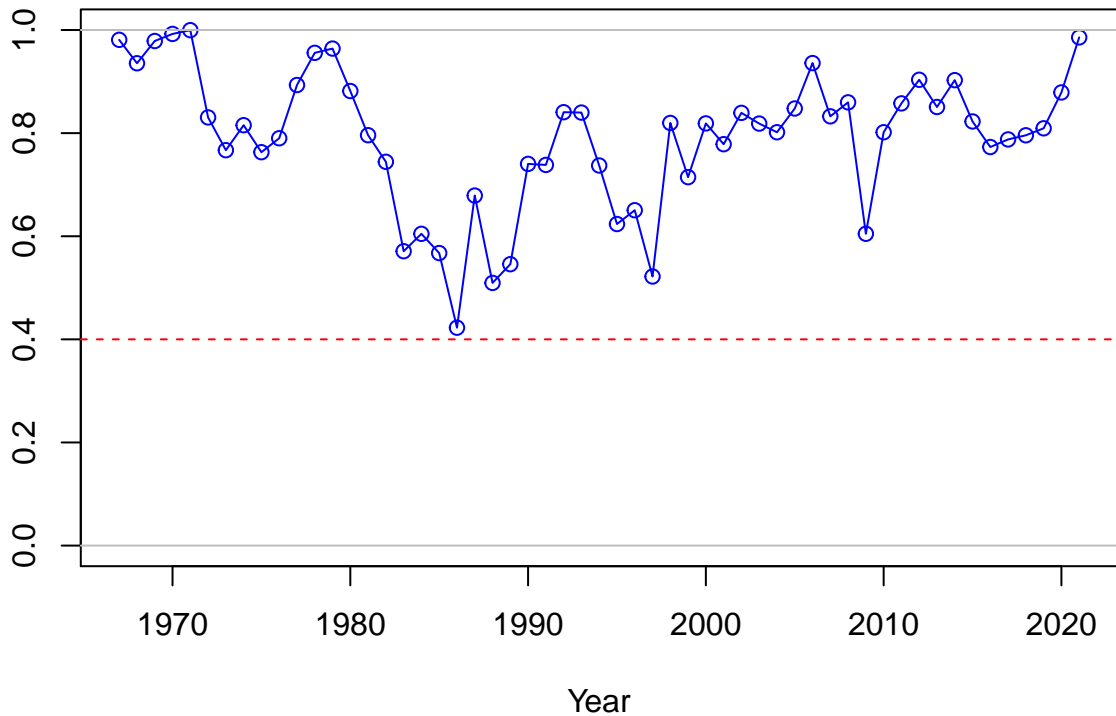




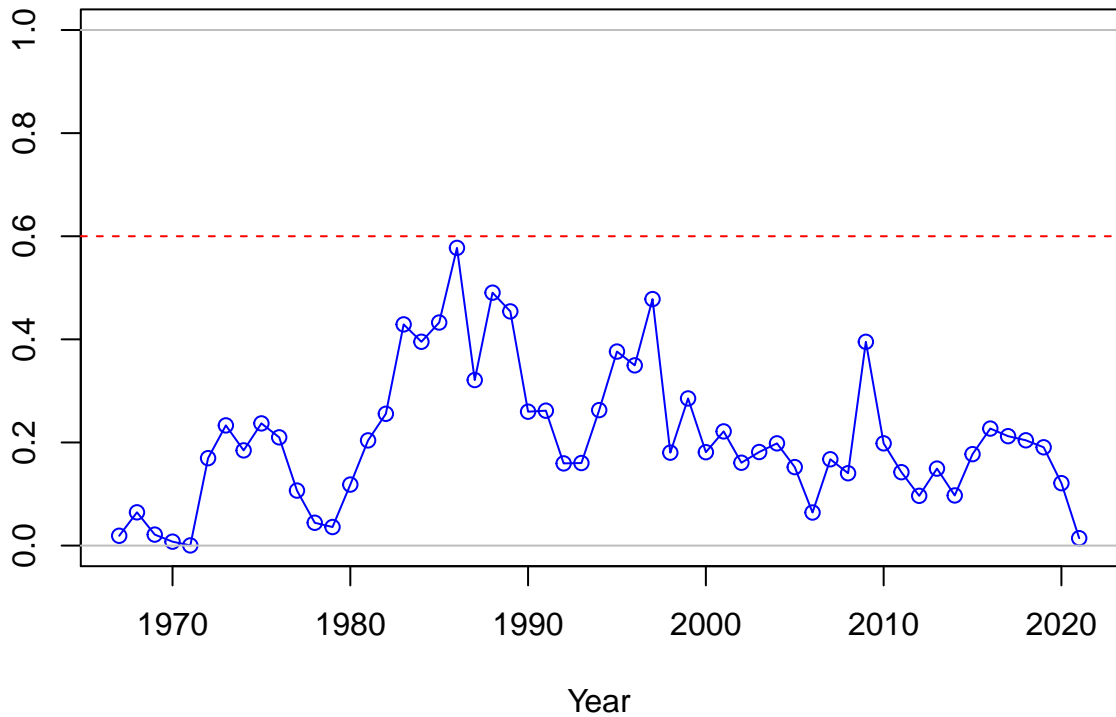




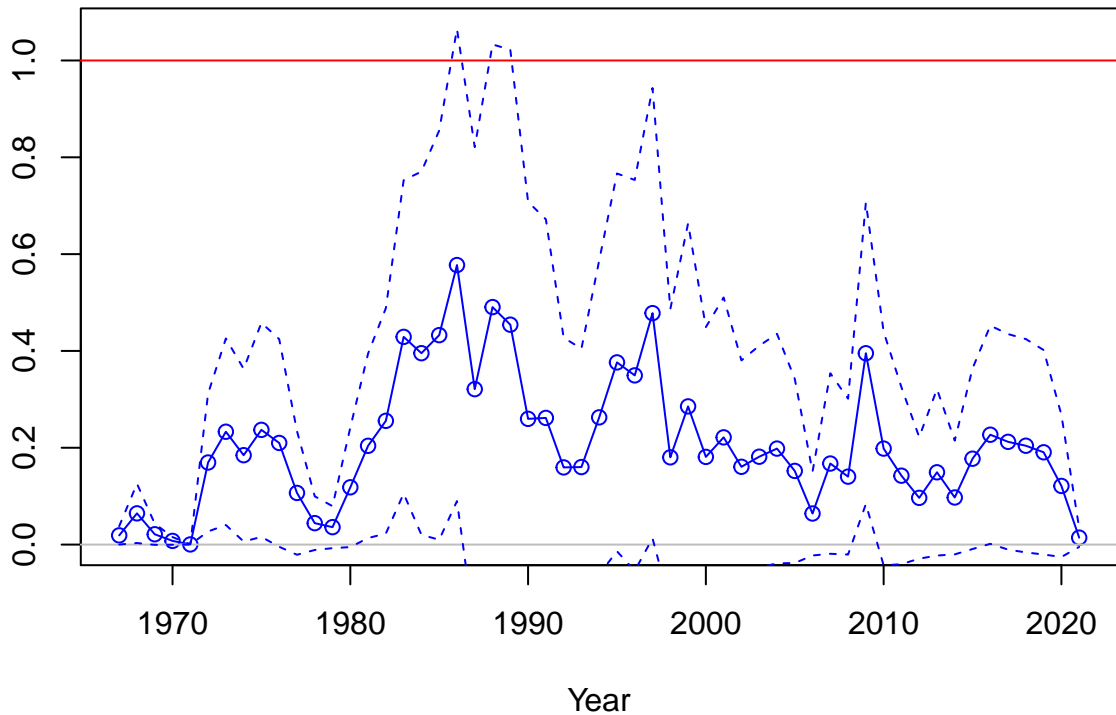
SPR



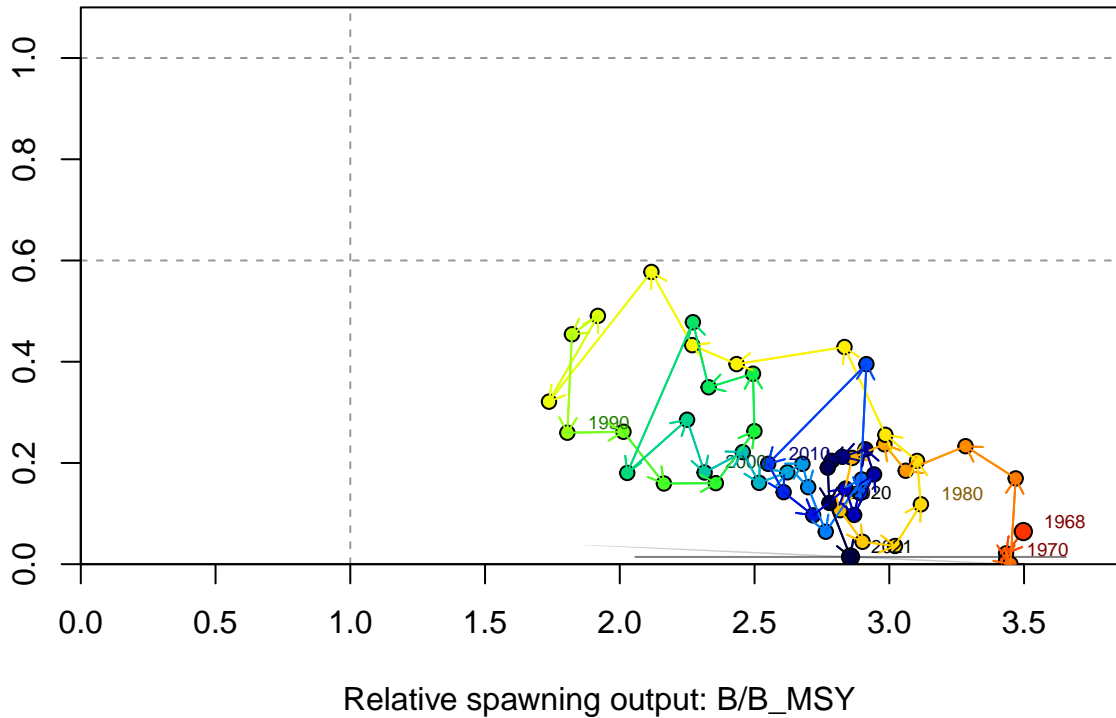
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR



Index

5
4
3
2
1
0

2016

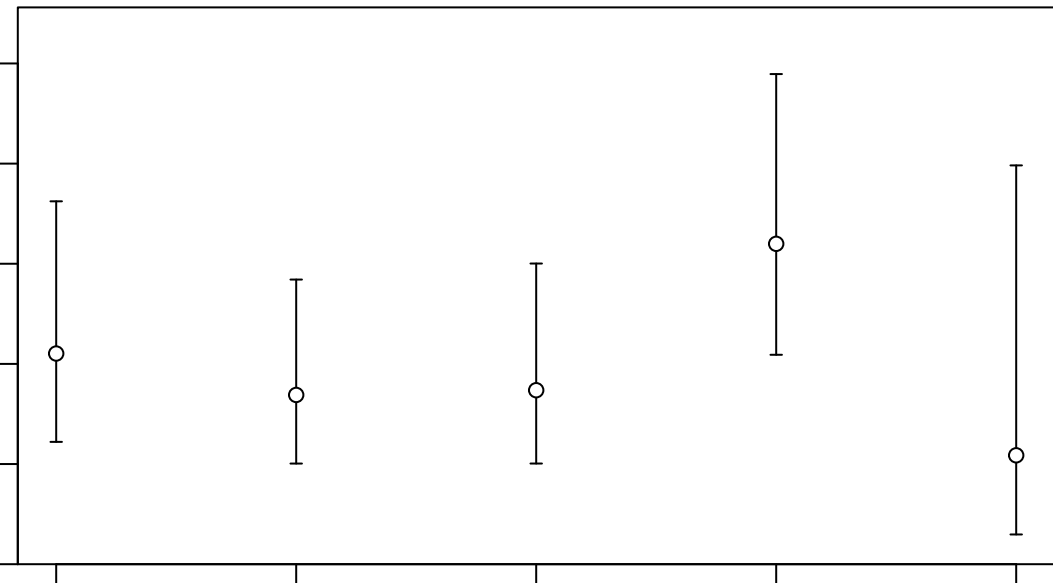
2017

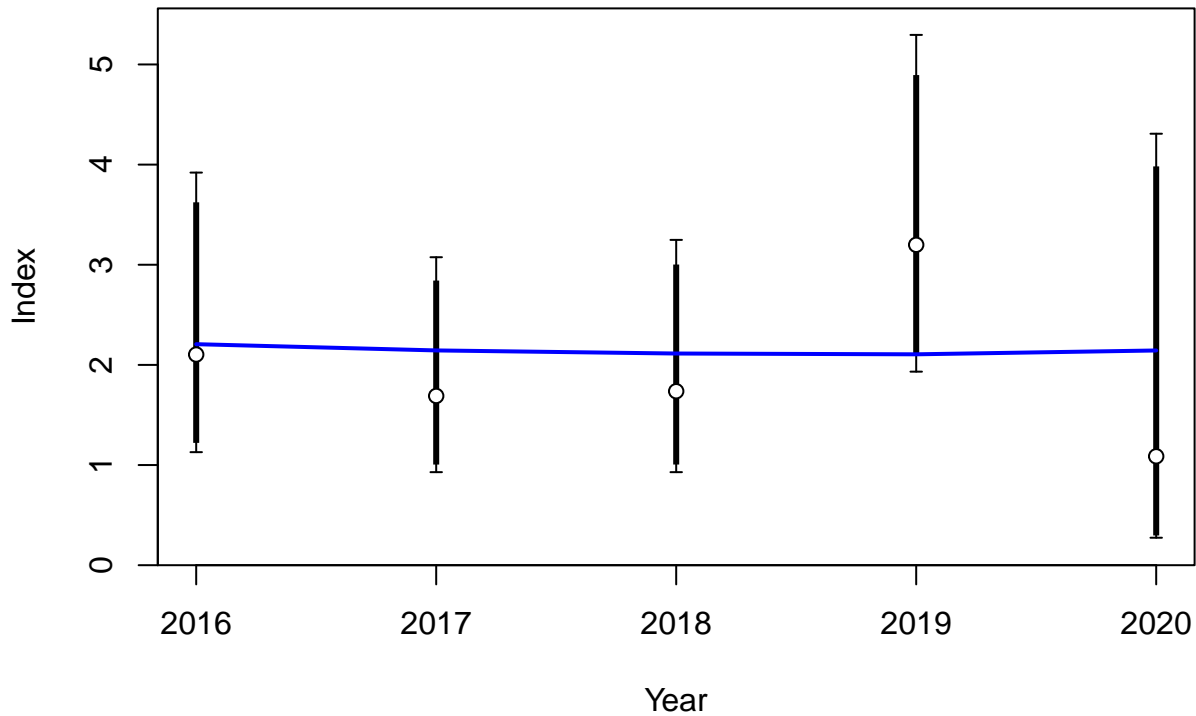
2018

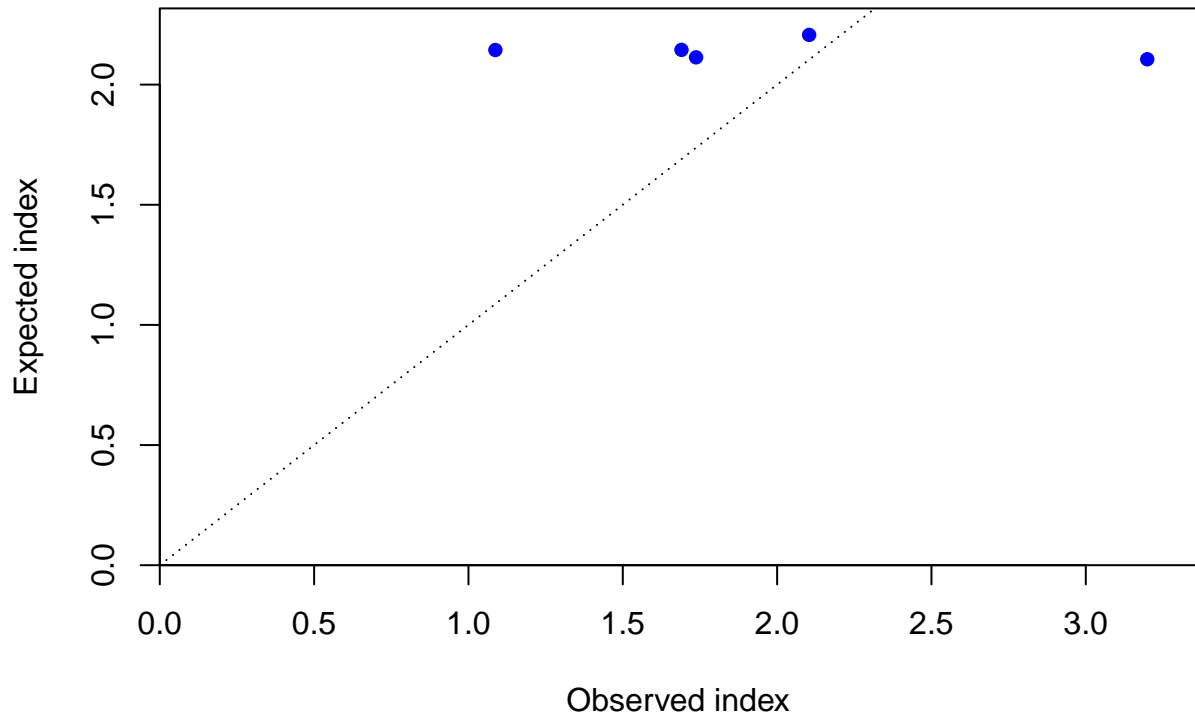
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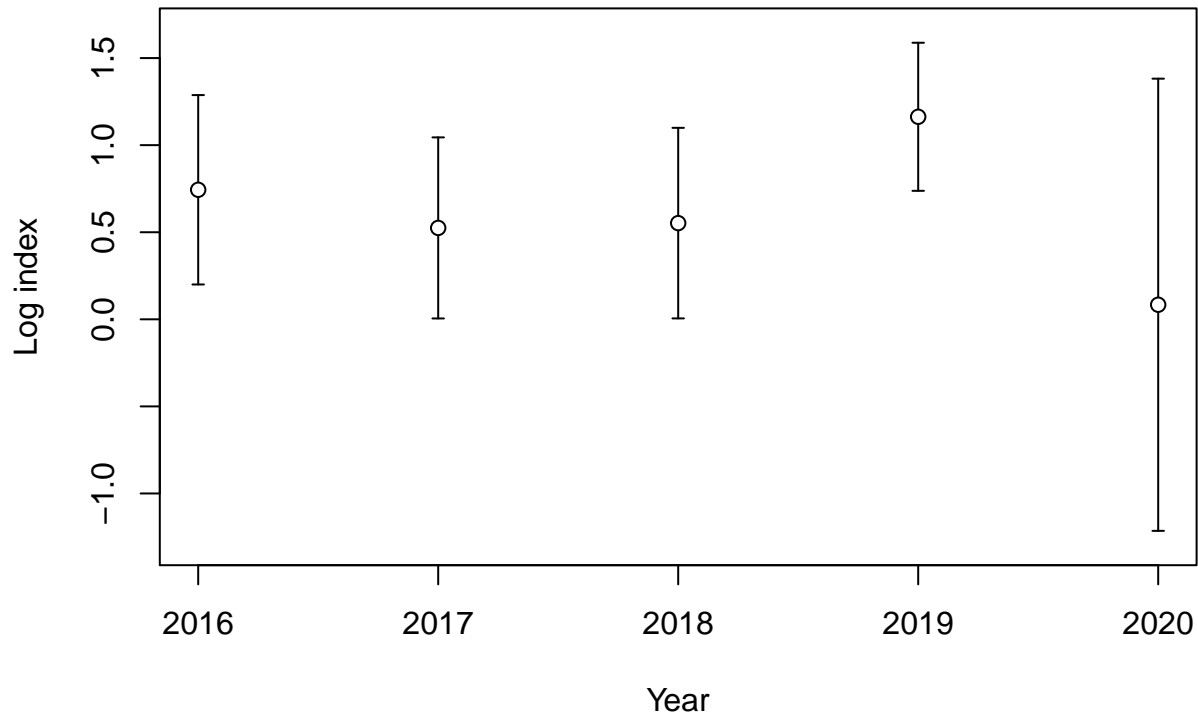
2020

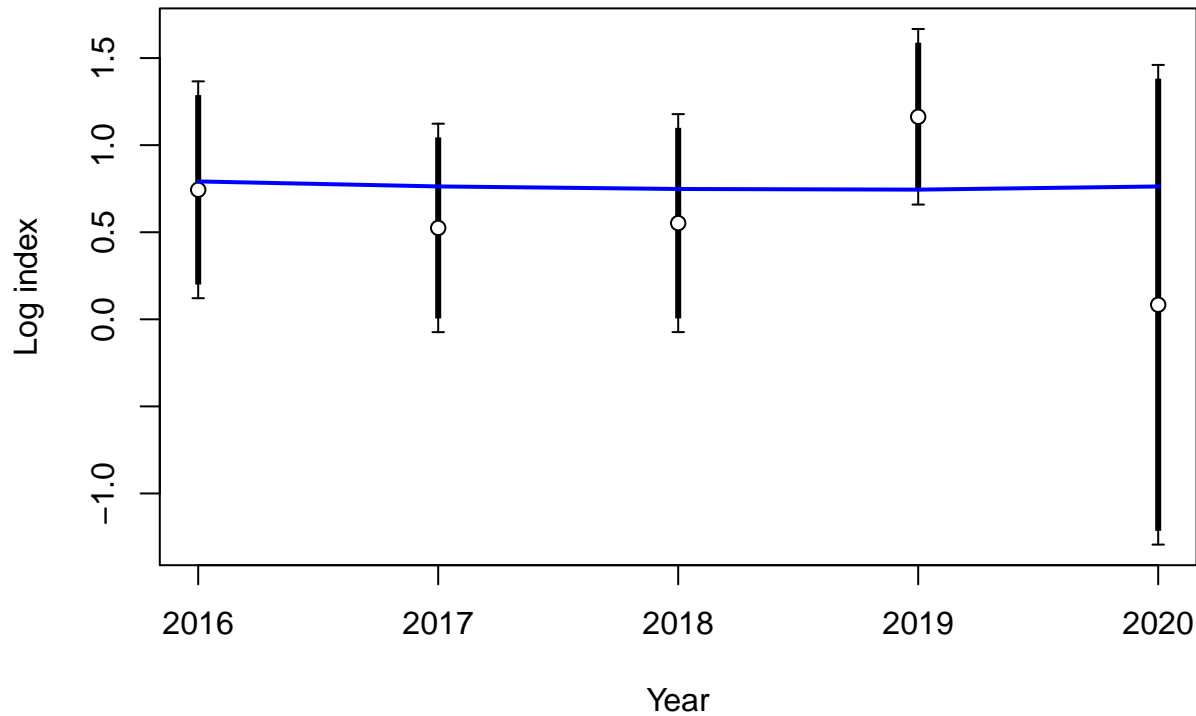
Year

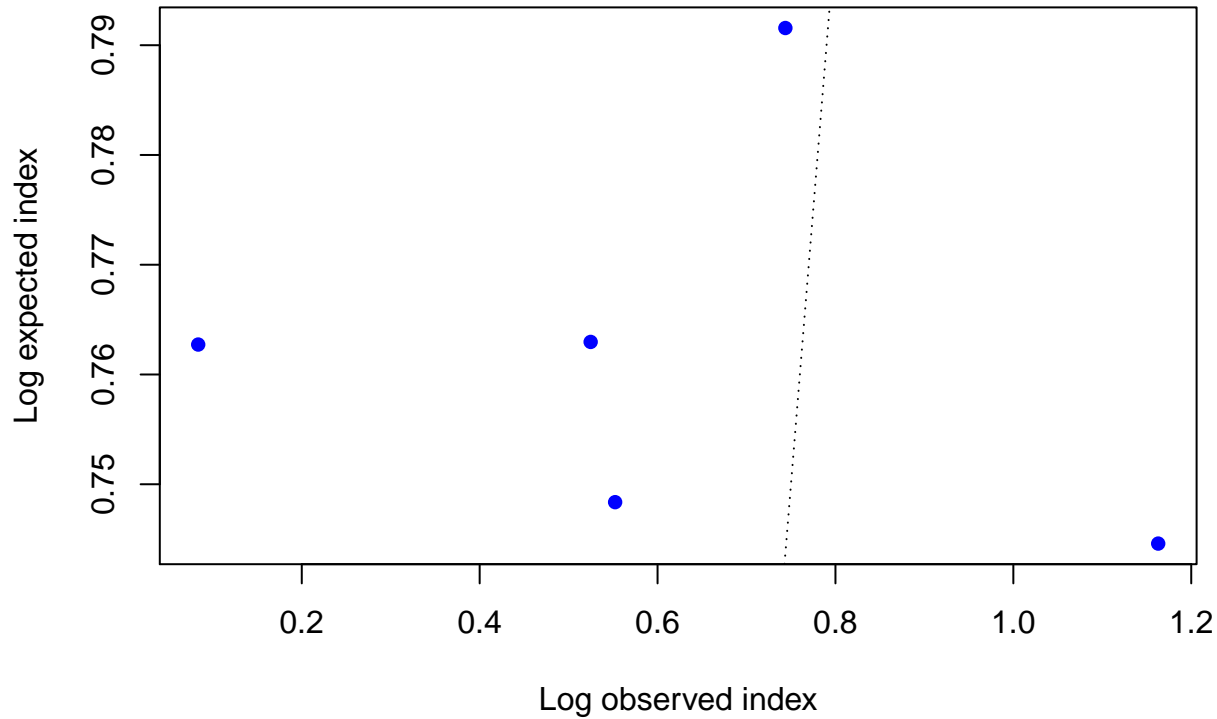




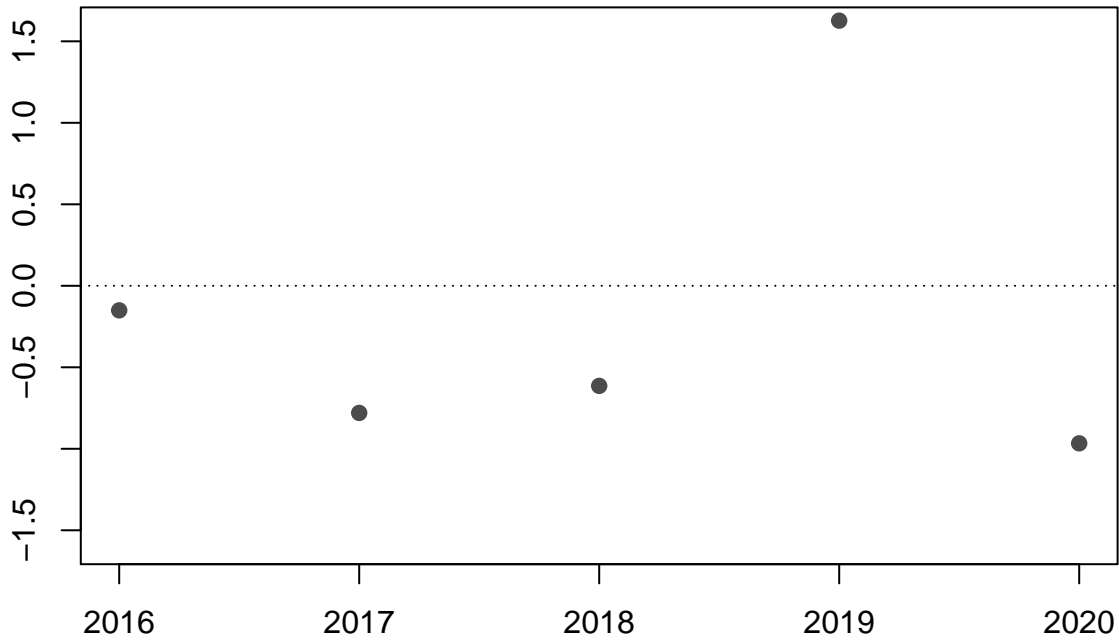




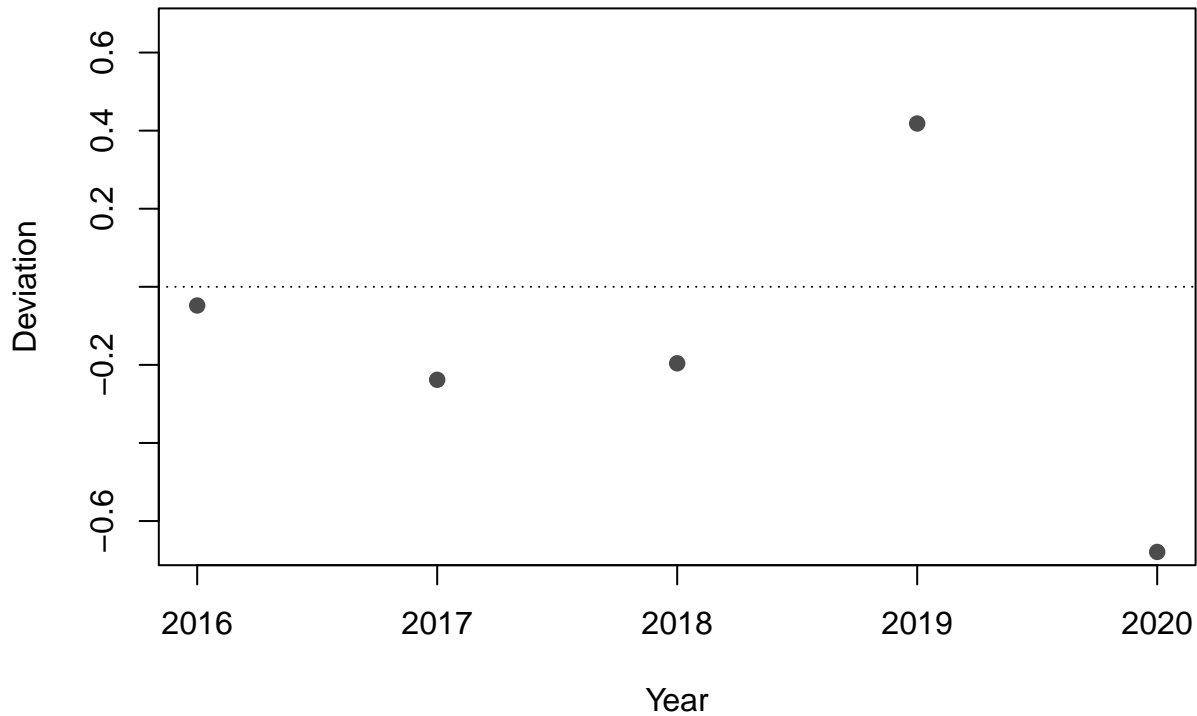




Residual

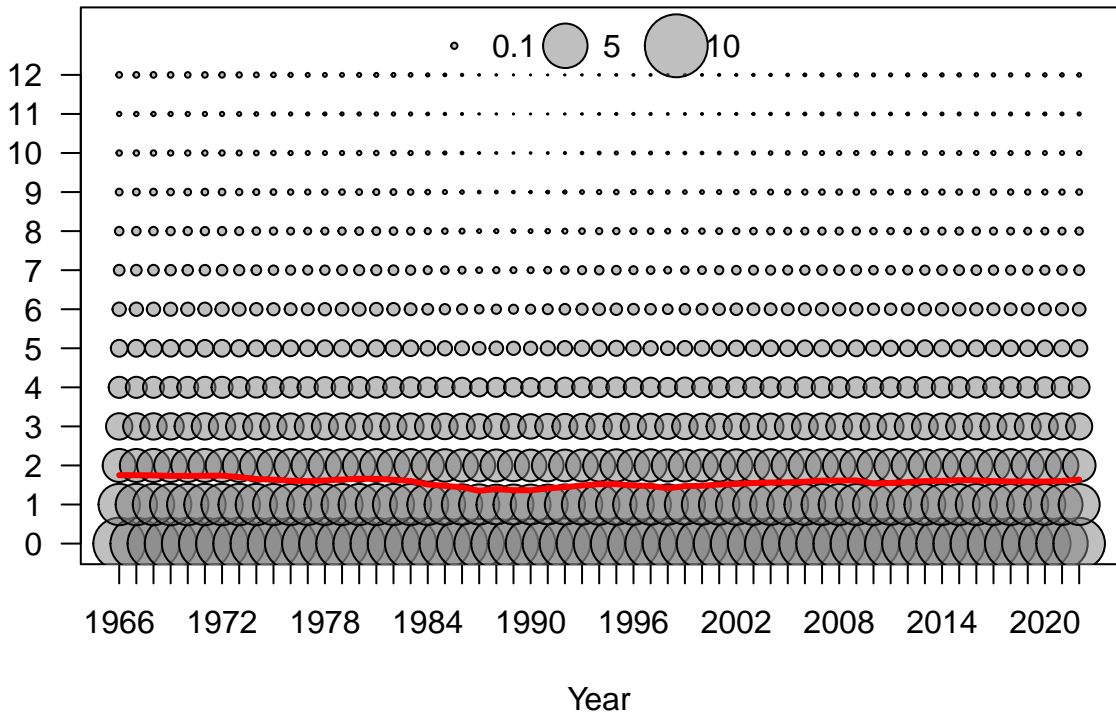


Year

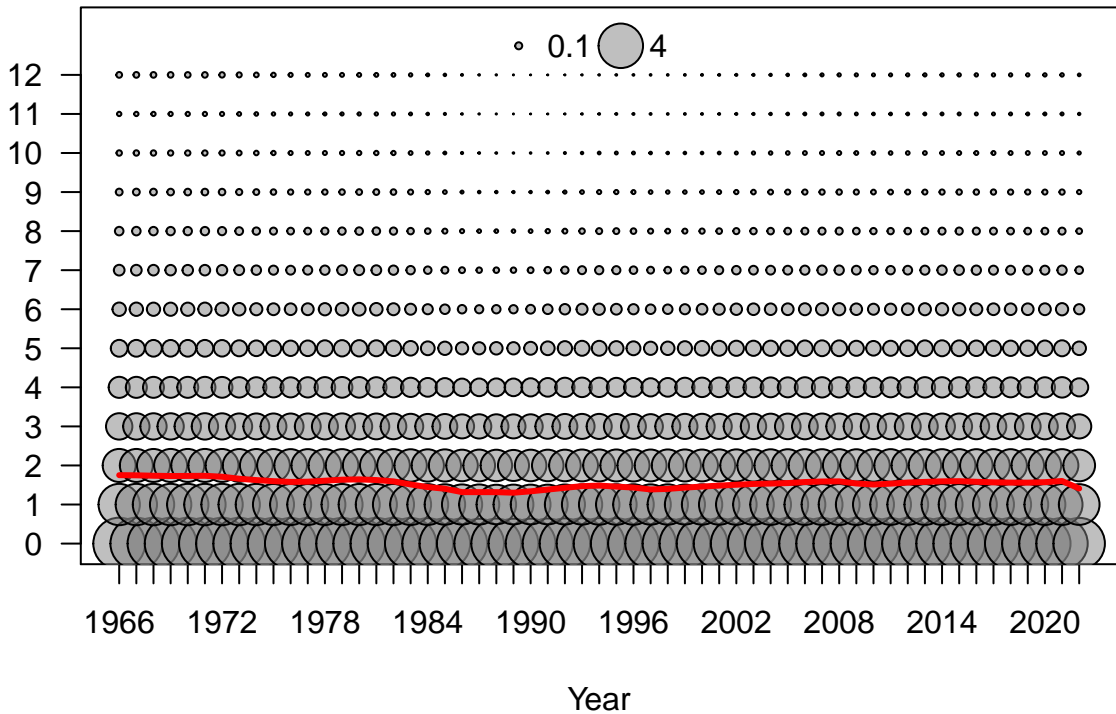


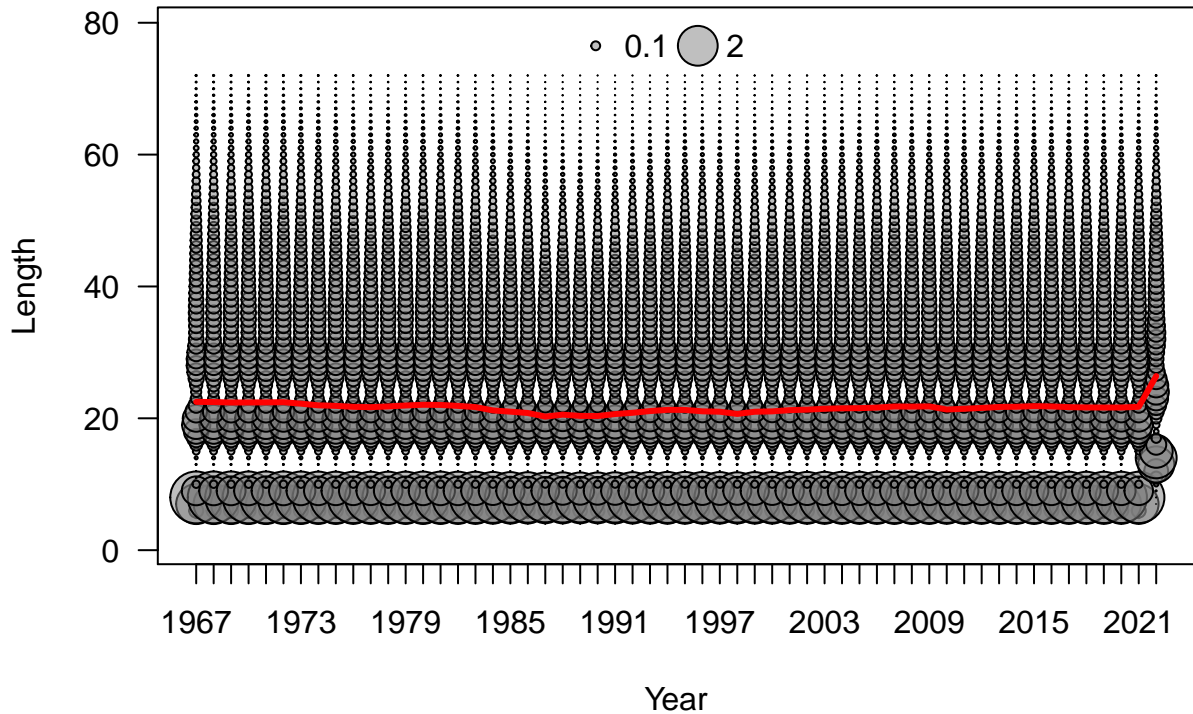


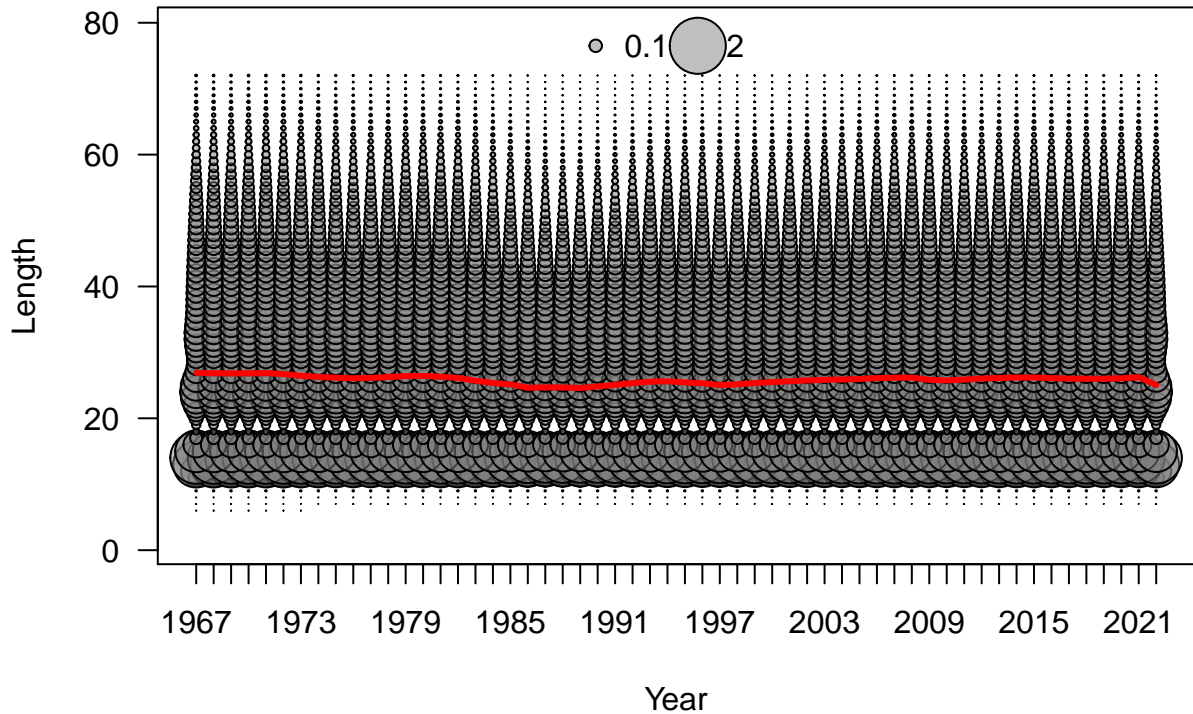
Age

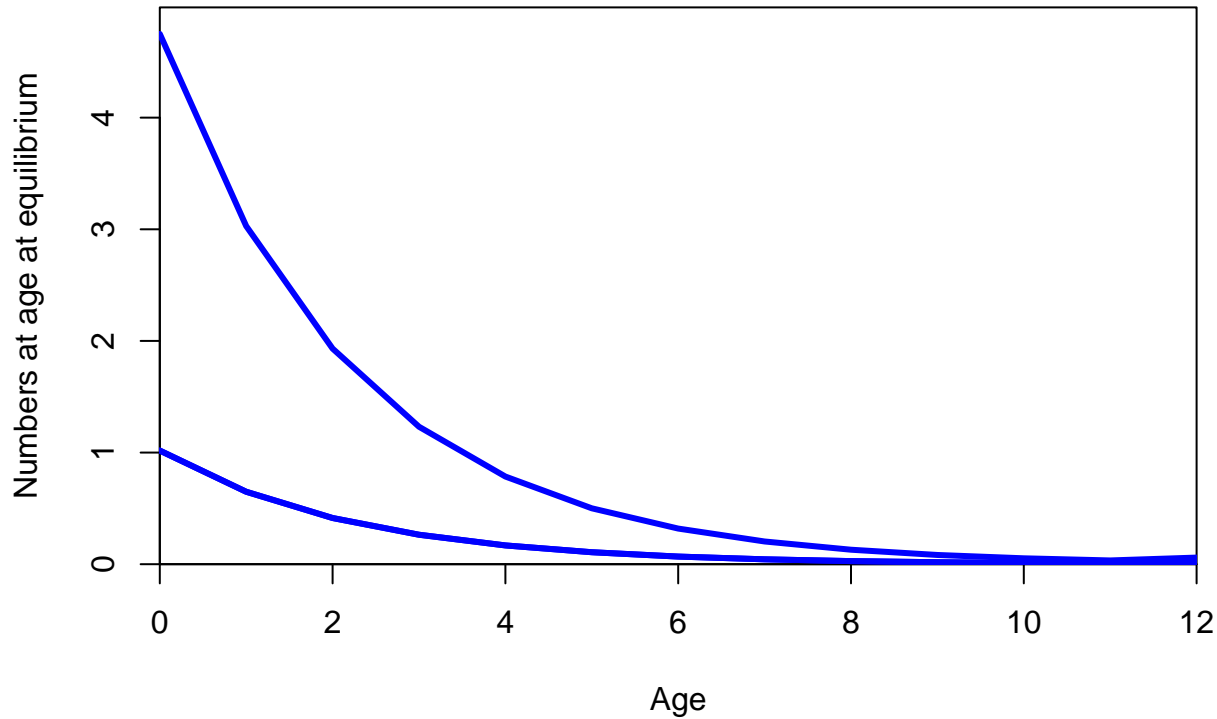


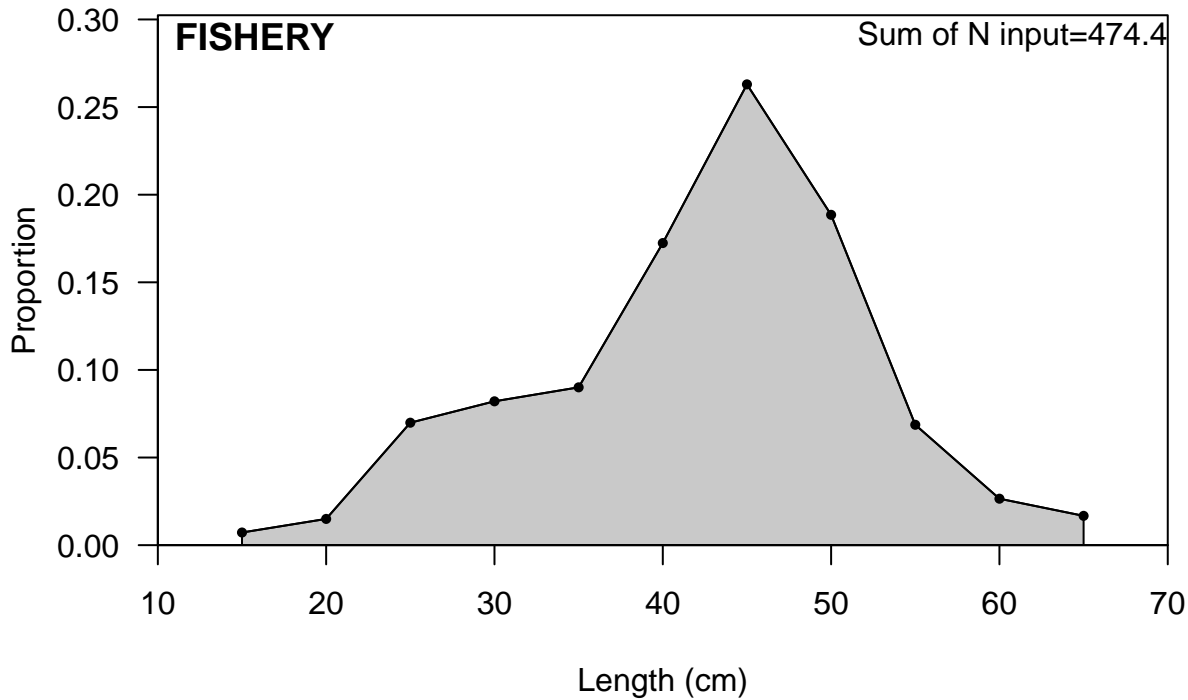
Age





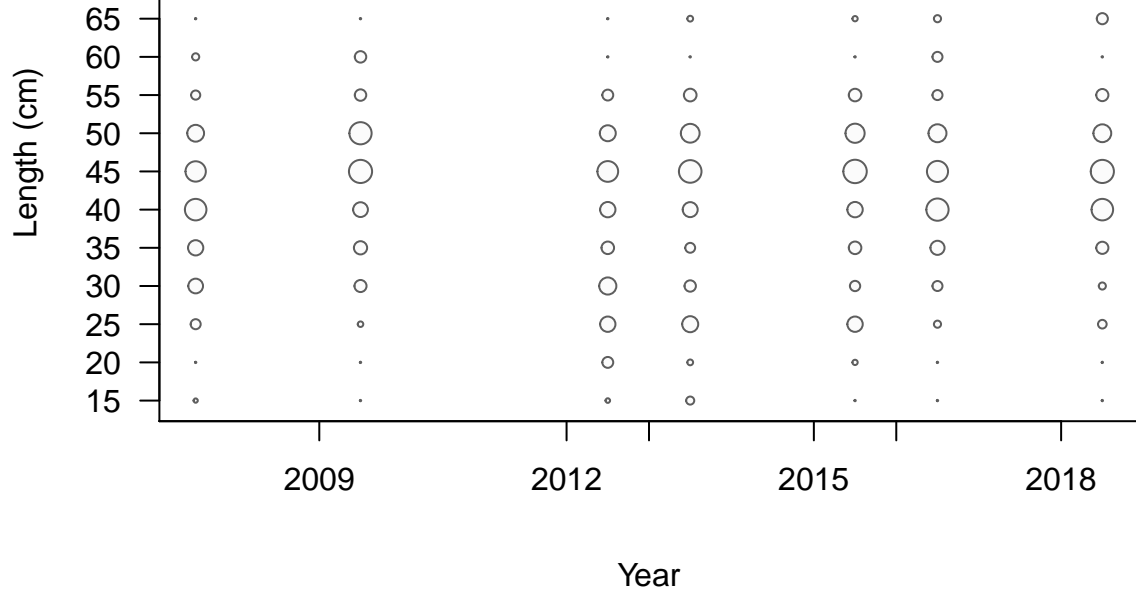




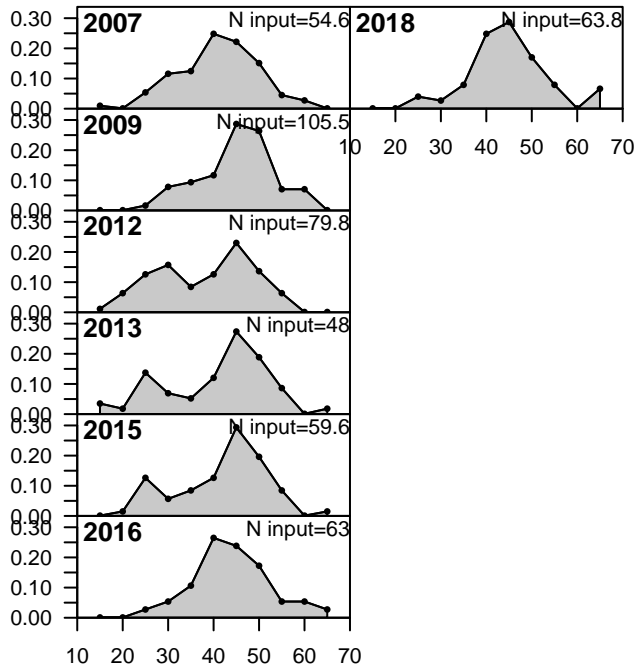


FISHERY

◦ 0.01 ○ 0.2



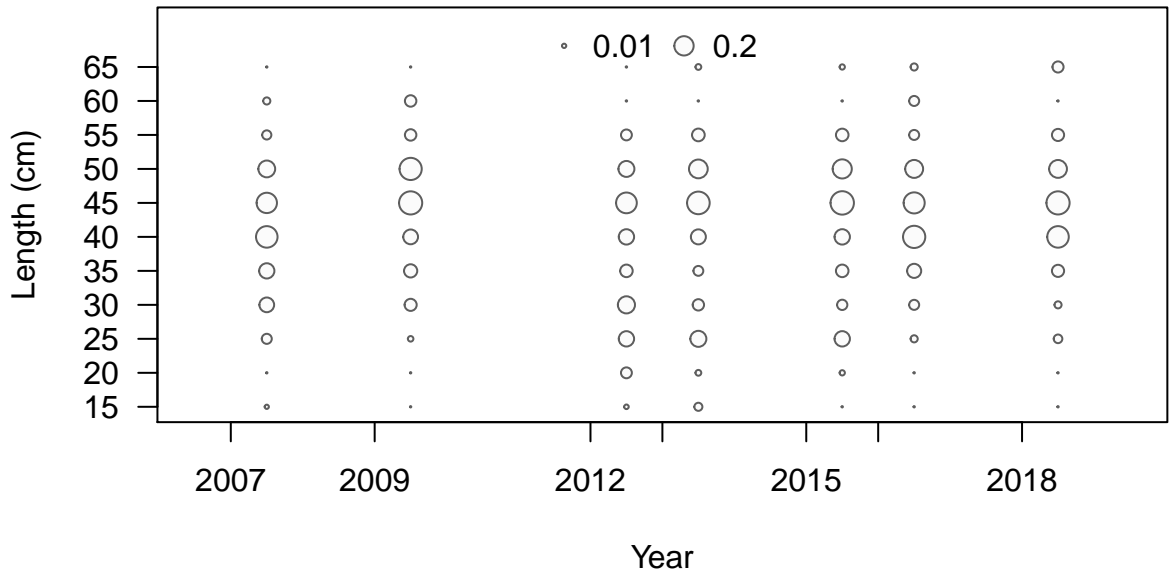
Proportion



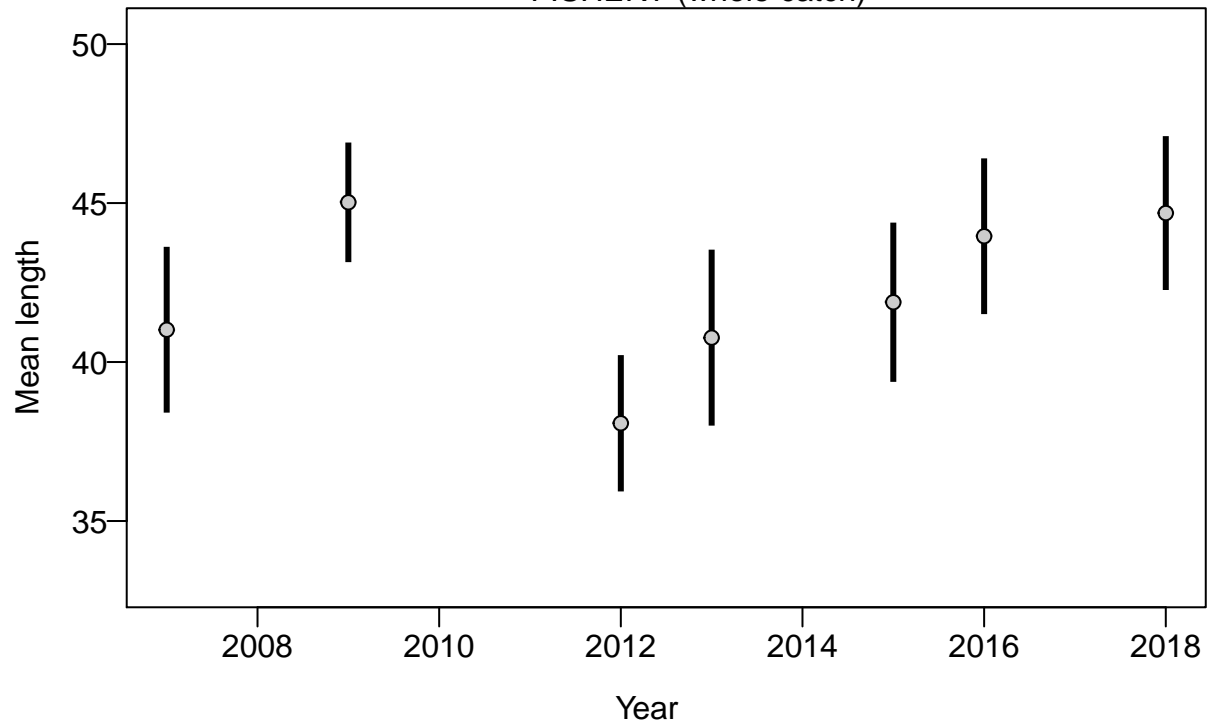
2018

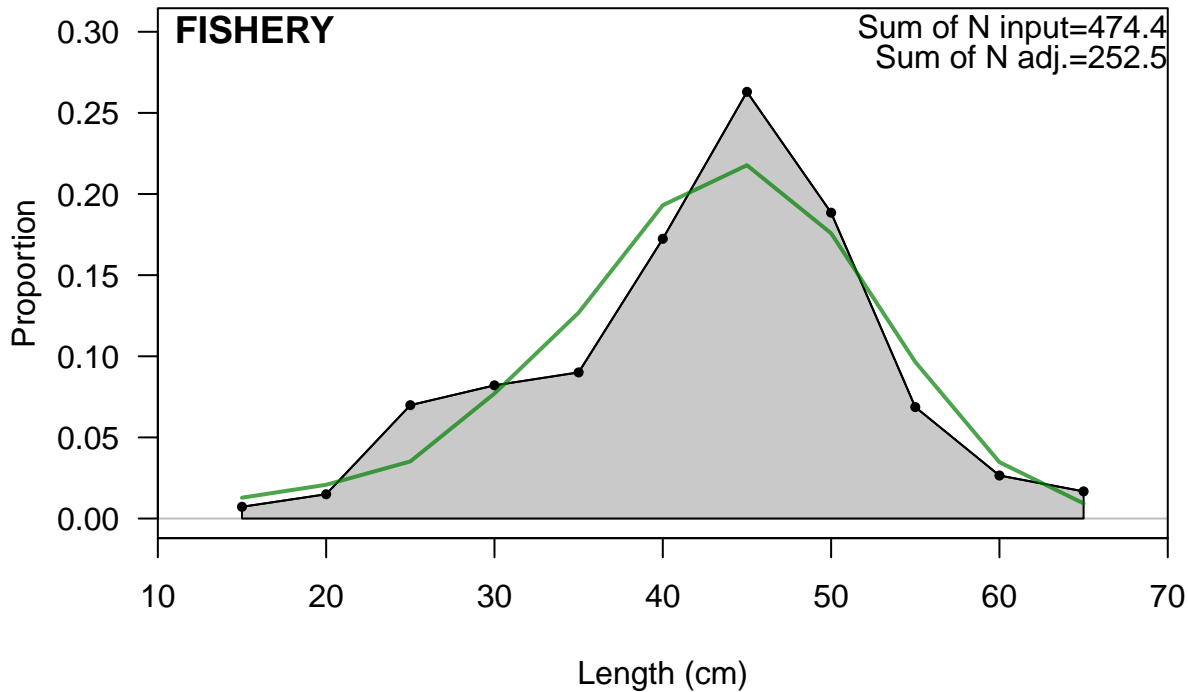
N input=63.8

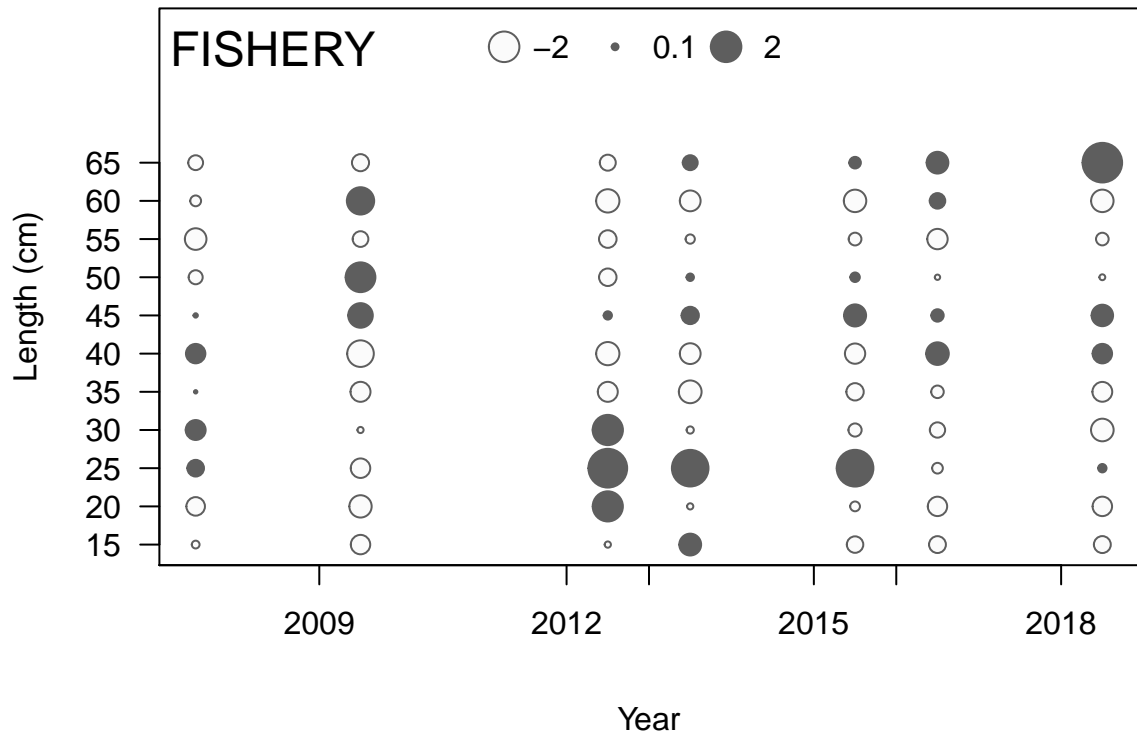
Length (cm)



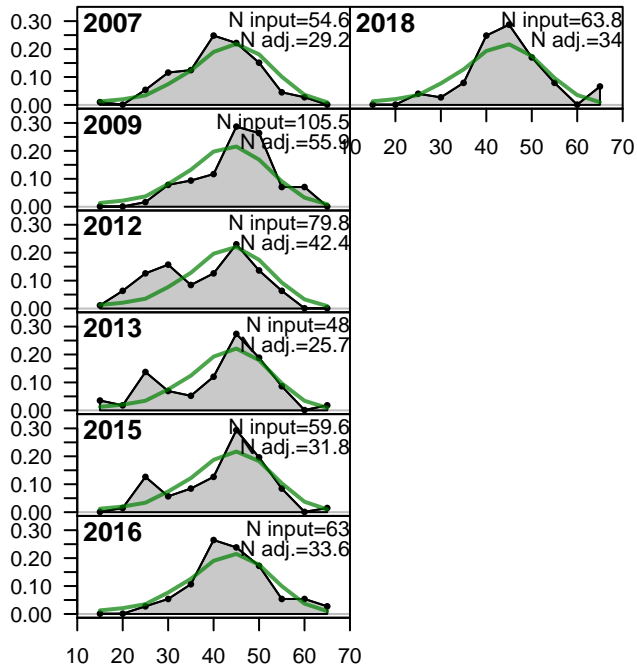
FISHERY (whole catch)



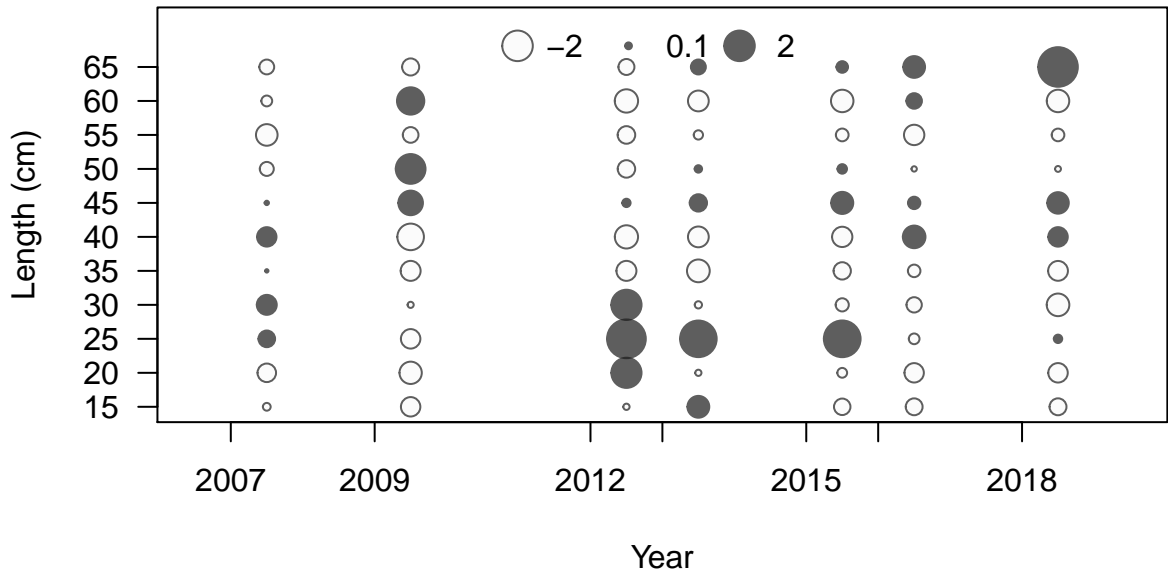




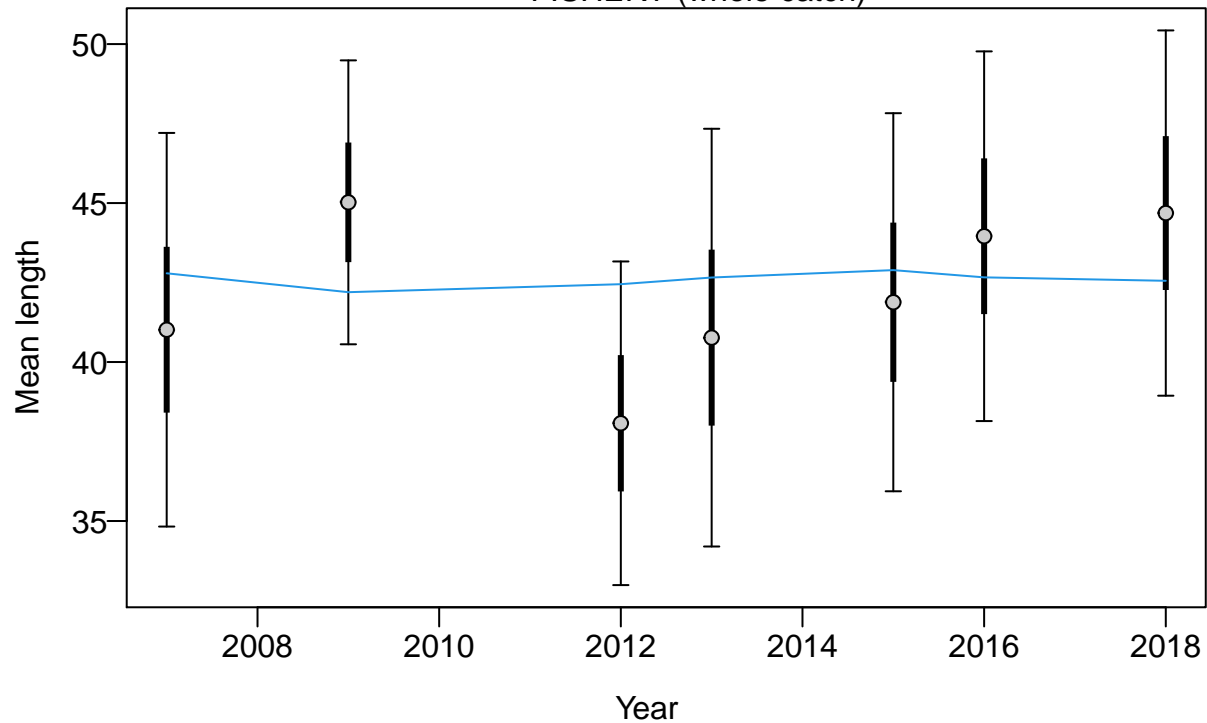
Proportion

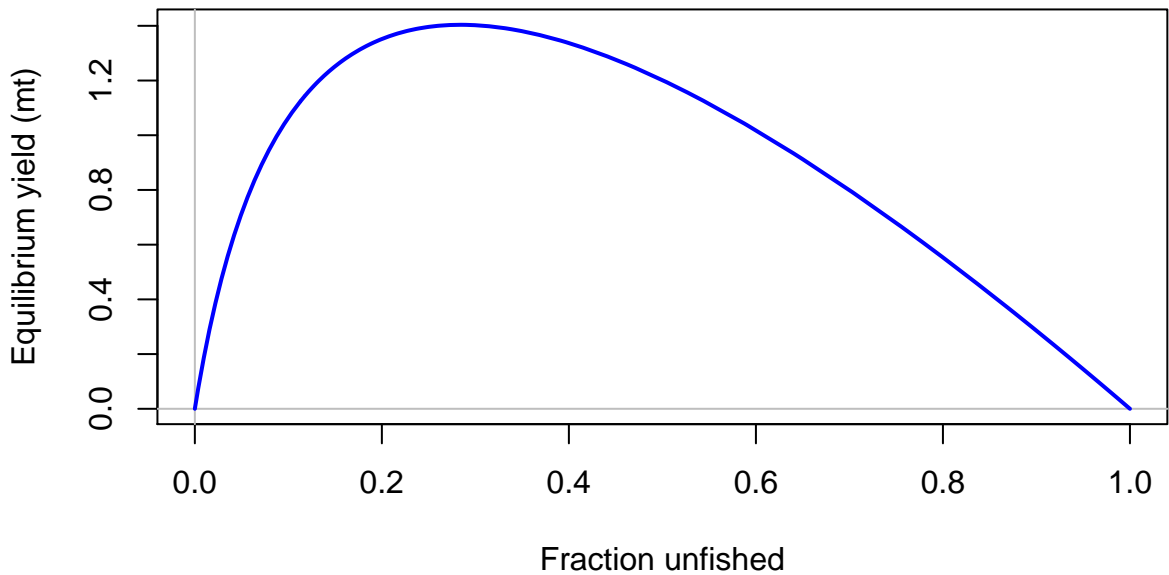


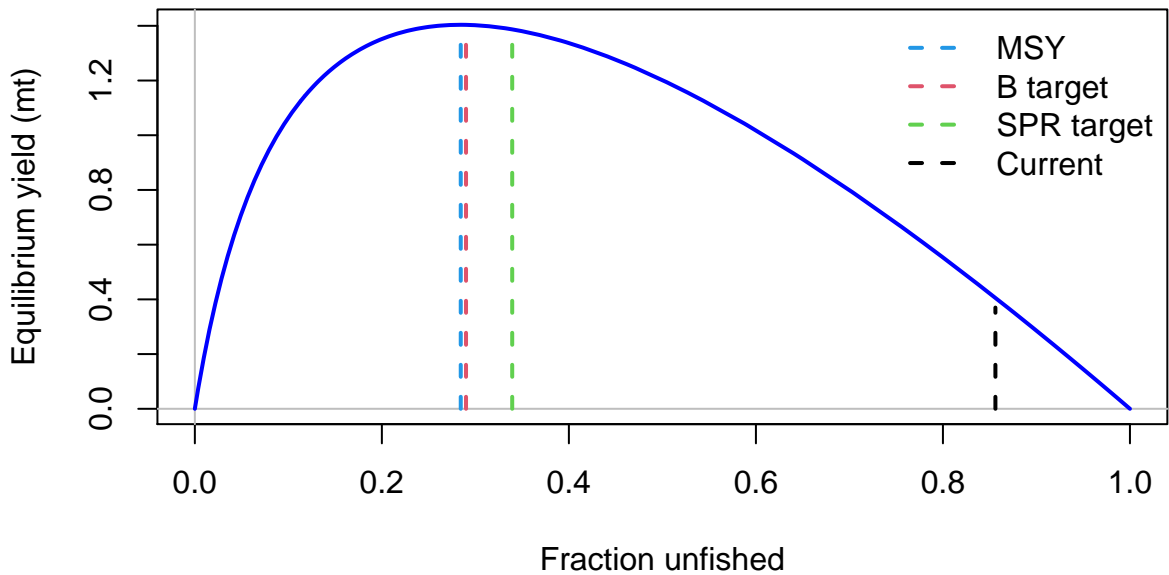
Length (cm)

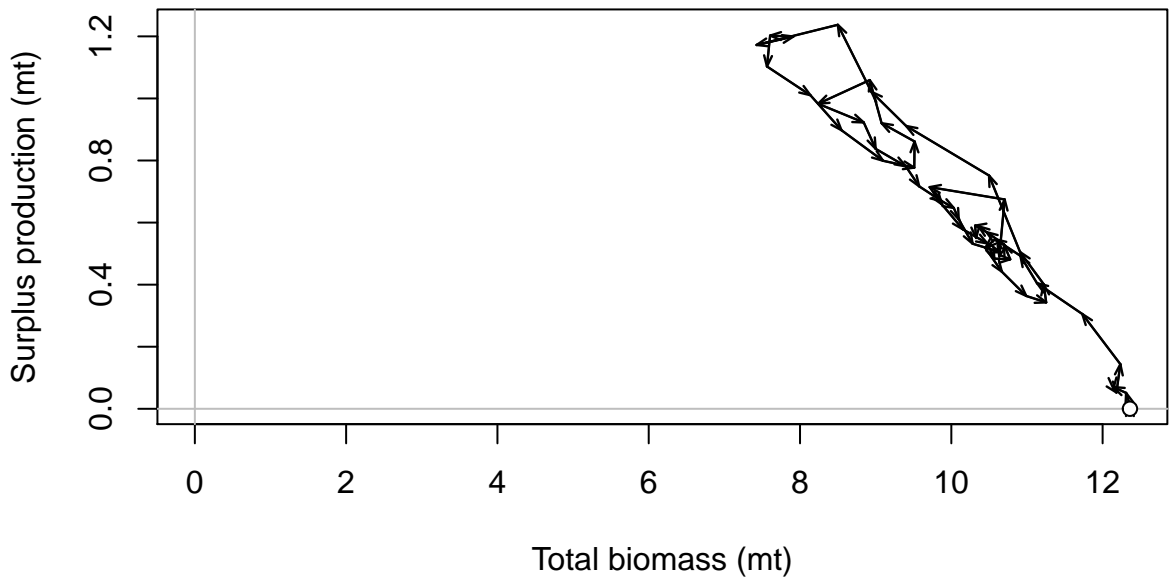


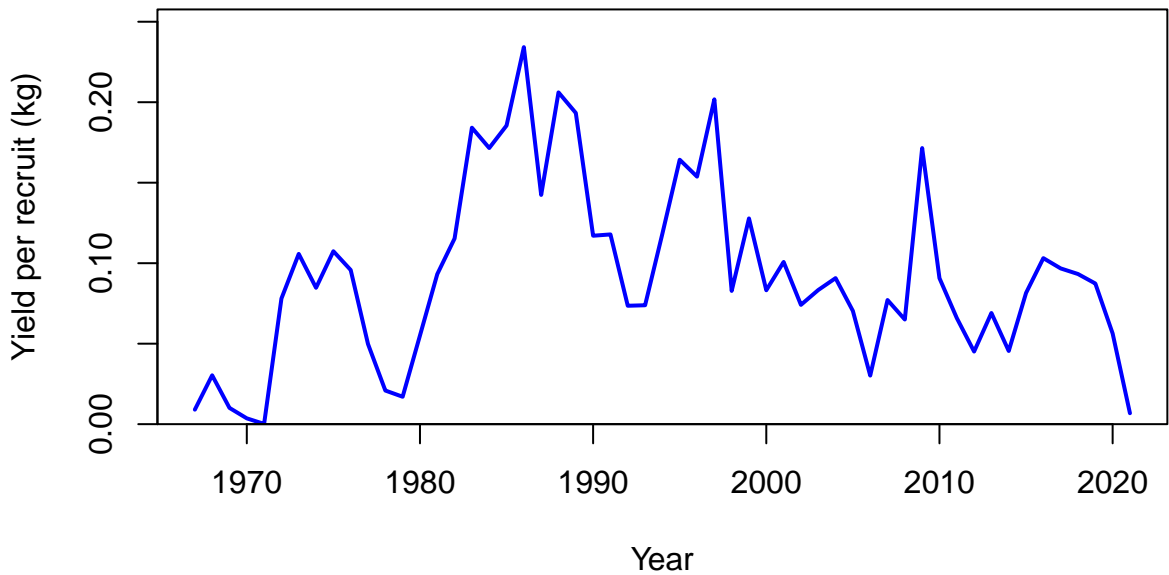
FISHERY (whole catch)

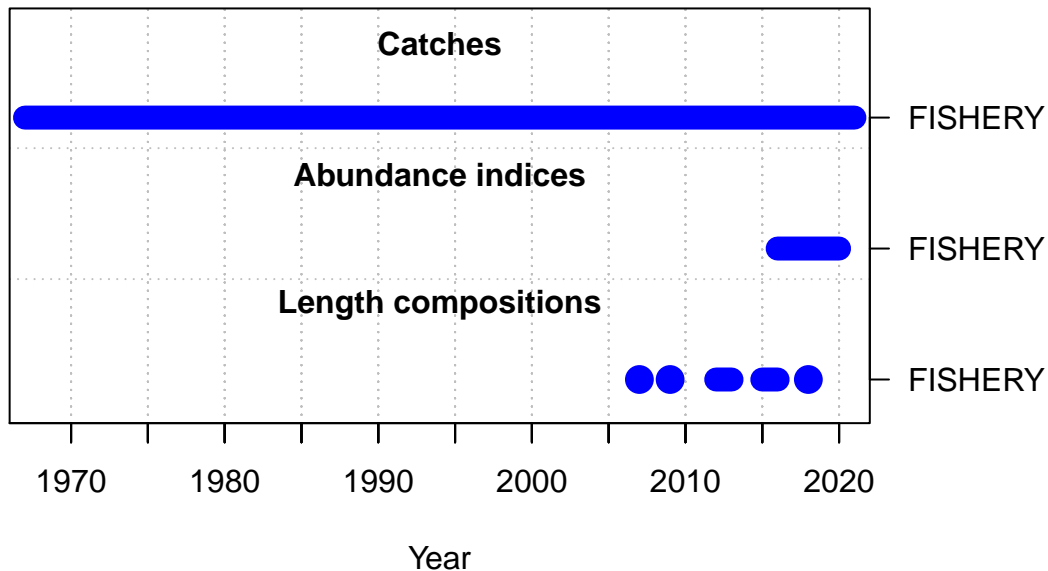


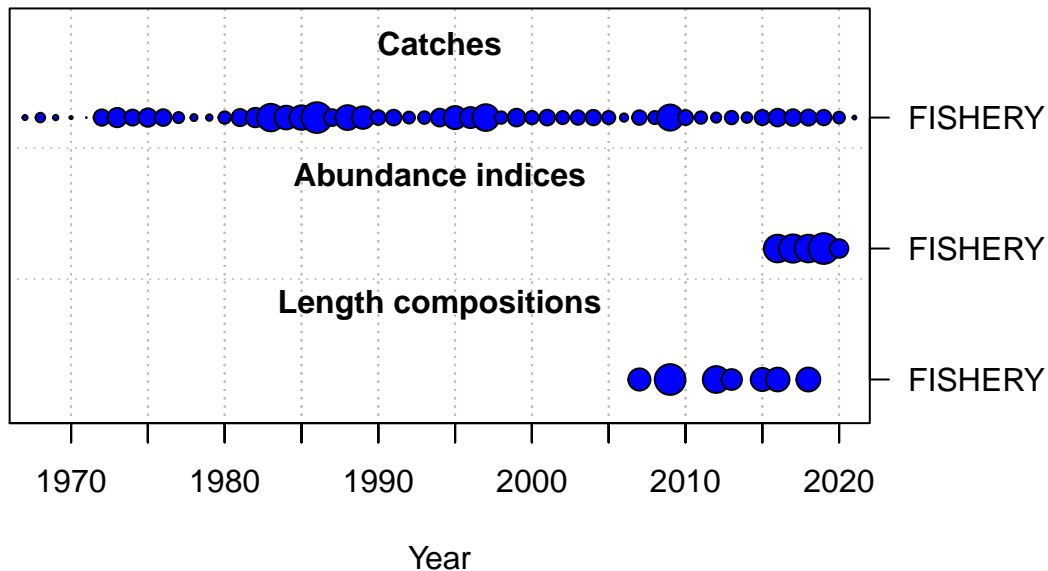




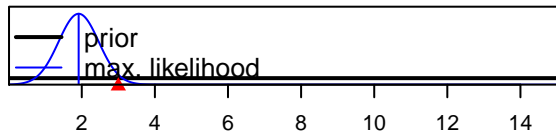




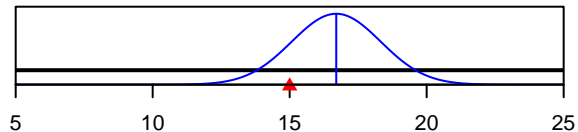




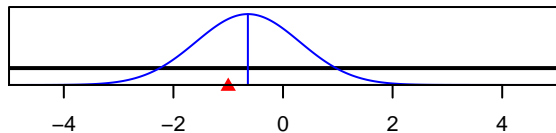
SR_LN(R0)



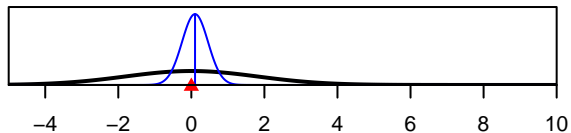
Size_95%width_FISHERY(1)



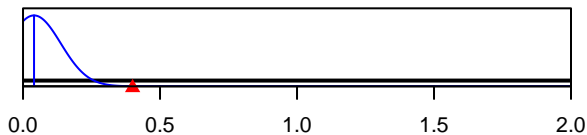
LnQ_base_FISHERY(1)



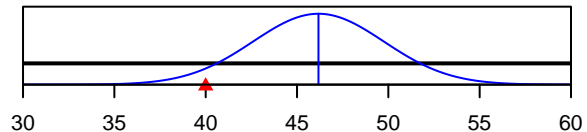
ln(DM_theta)_1



Q_extraSD_FISHERY(1)



Size_inflection_FISHERY(1)



Parameter value