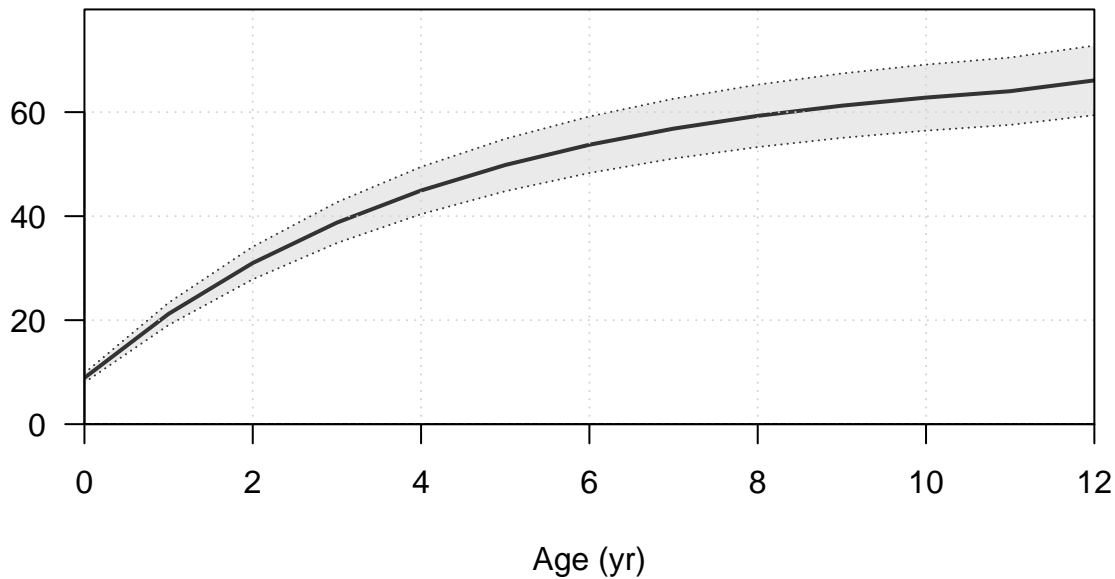
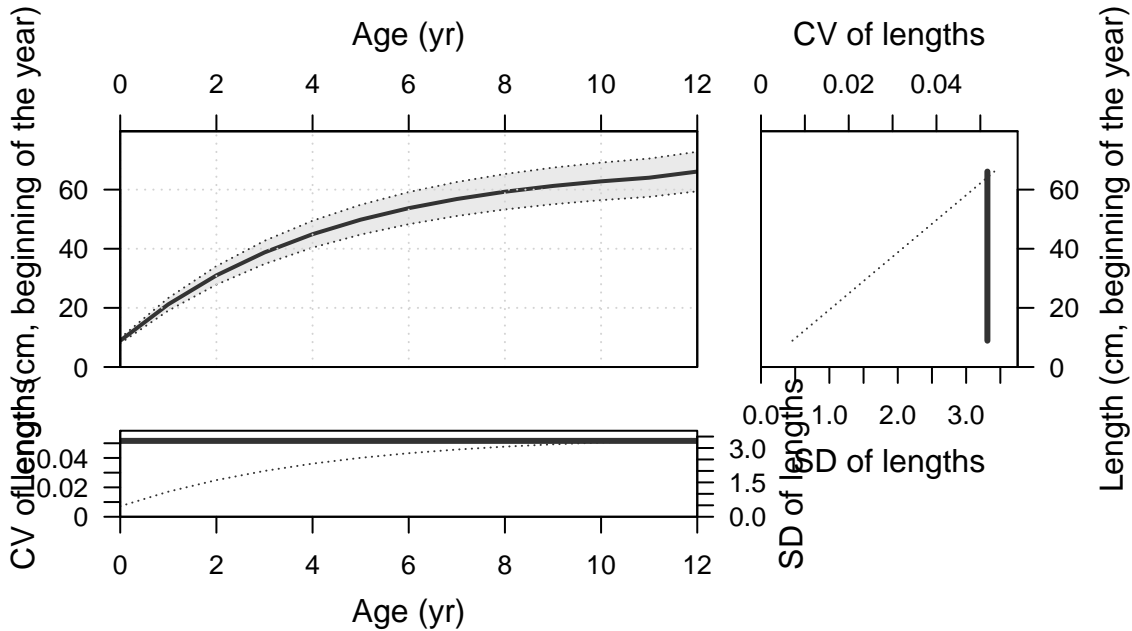
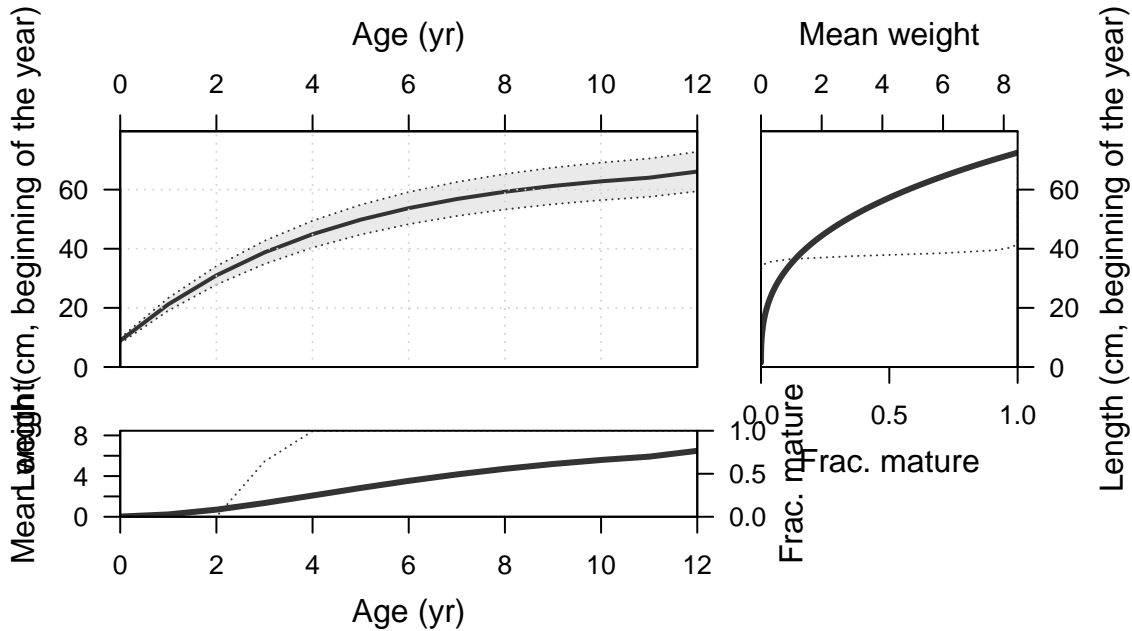


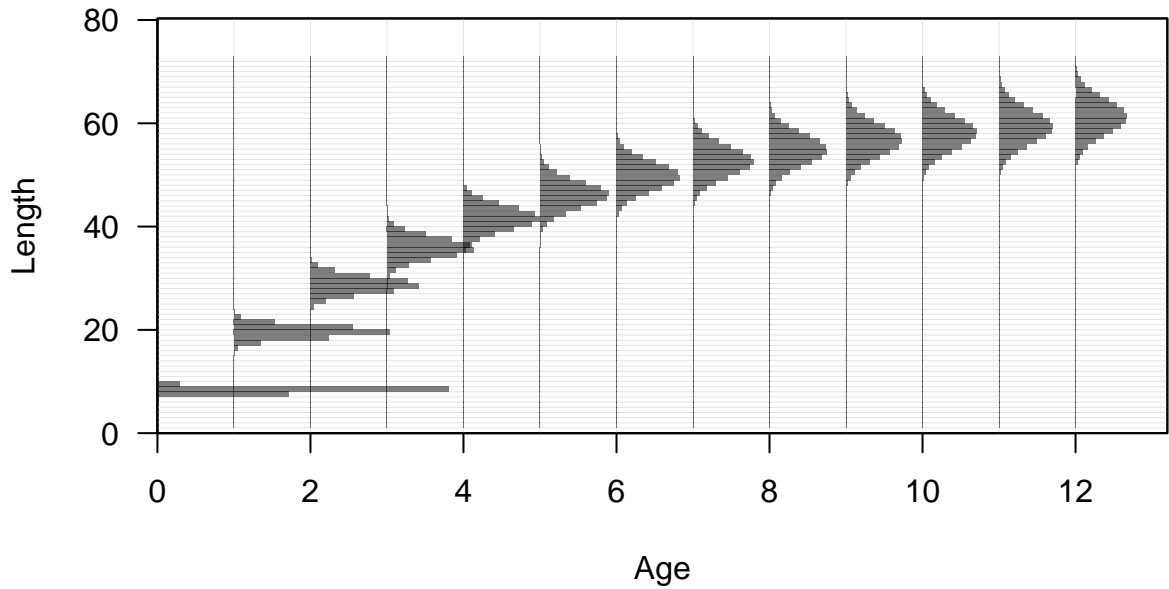
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Stock Synthesis version: 3.30.19.0
StartTime: Sun Feb 19 14:52:06 2023
Data_File: data.ss
Control_File: control.ss

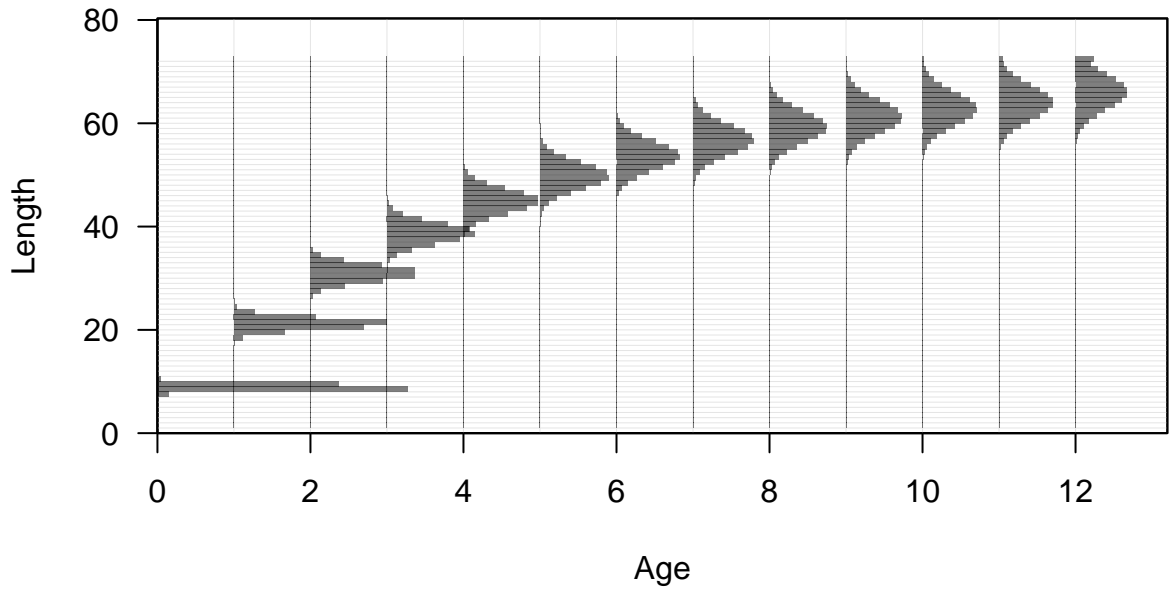
Length (cm, beginning of the year)

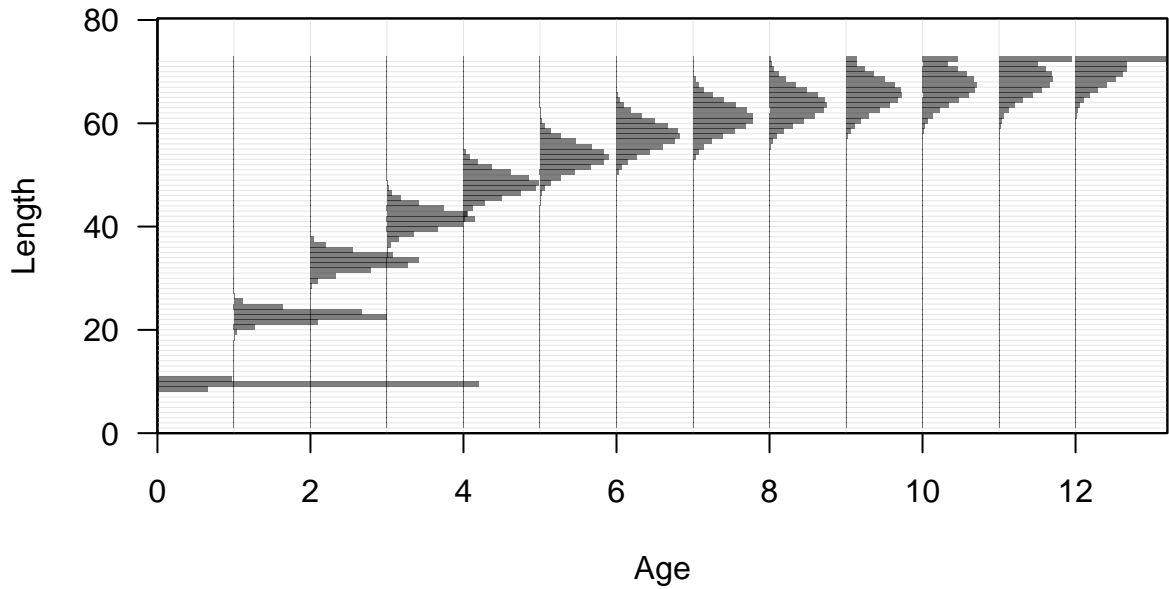


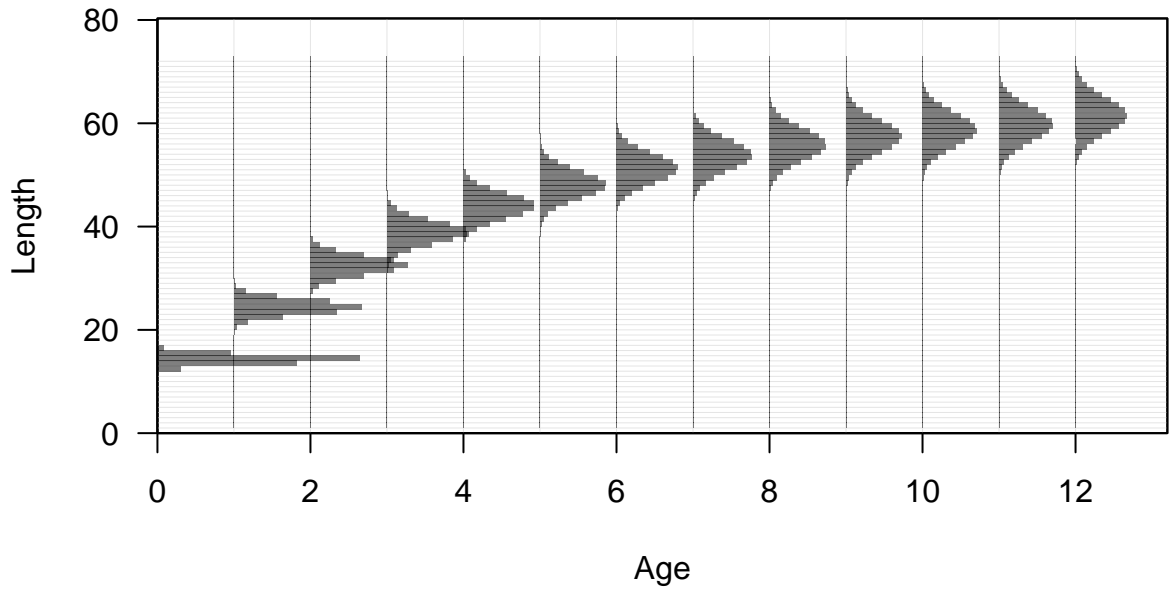


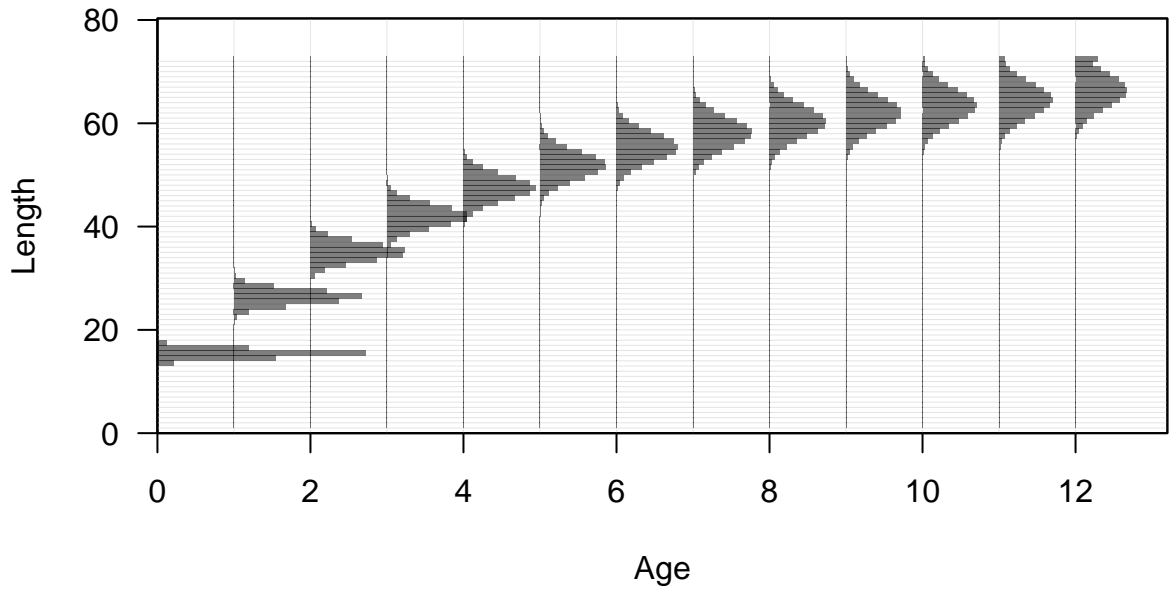


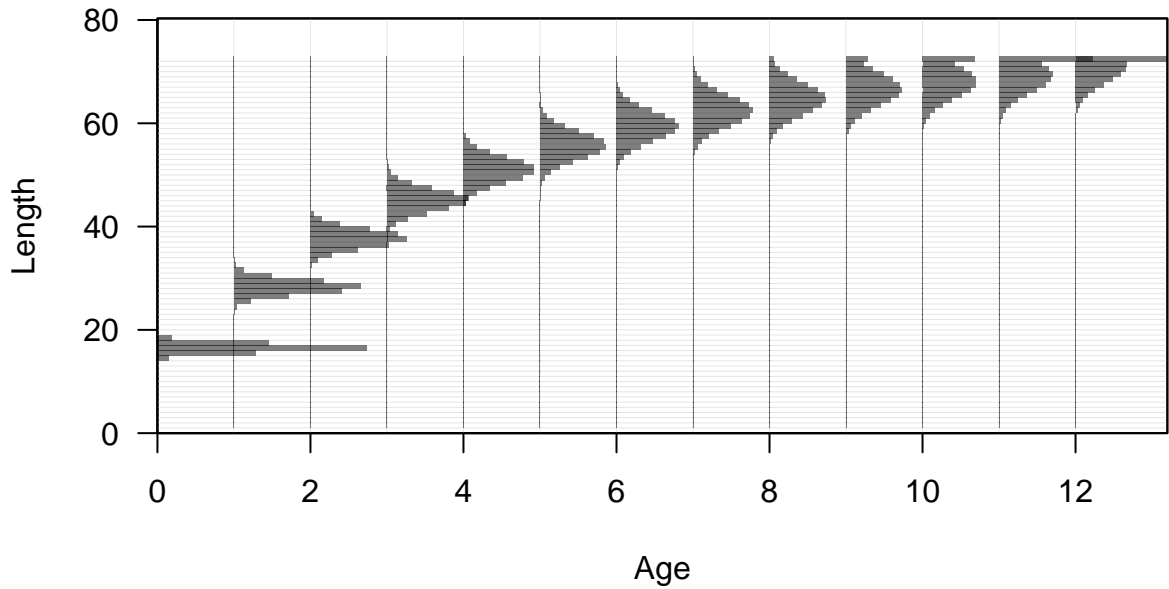


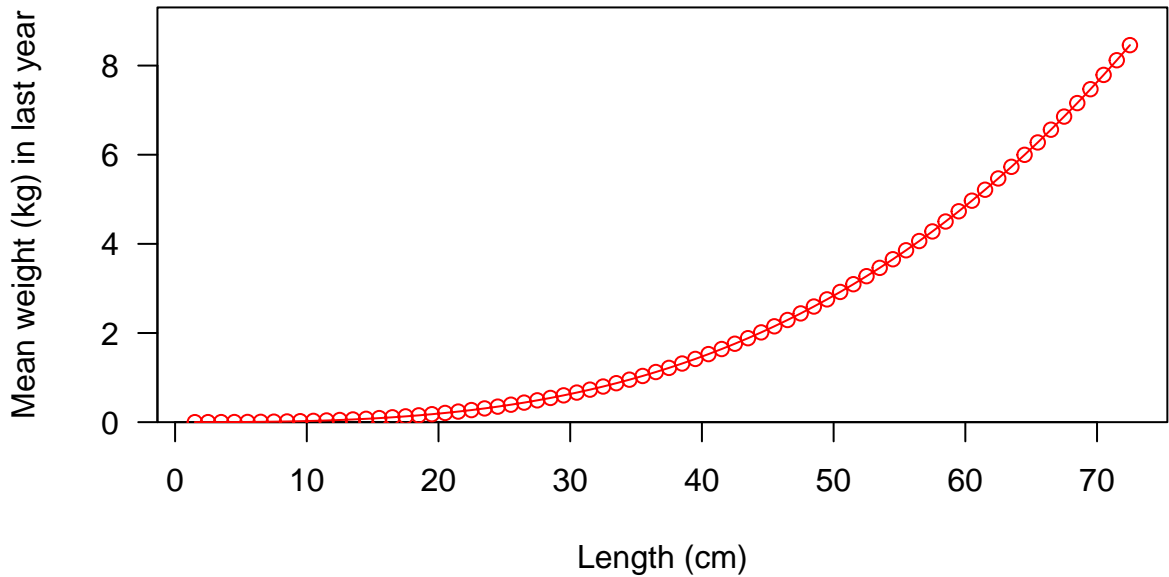


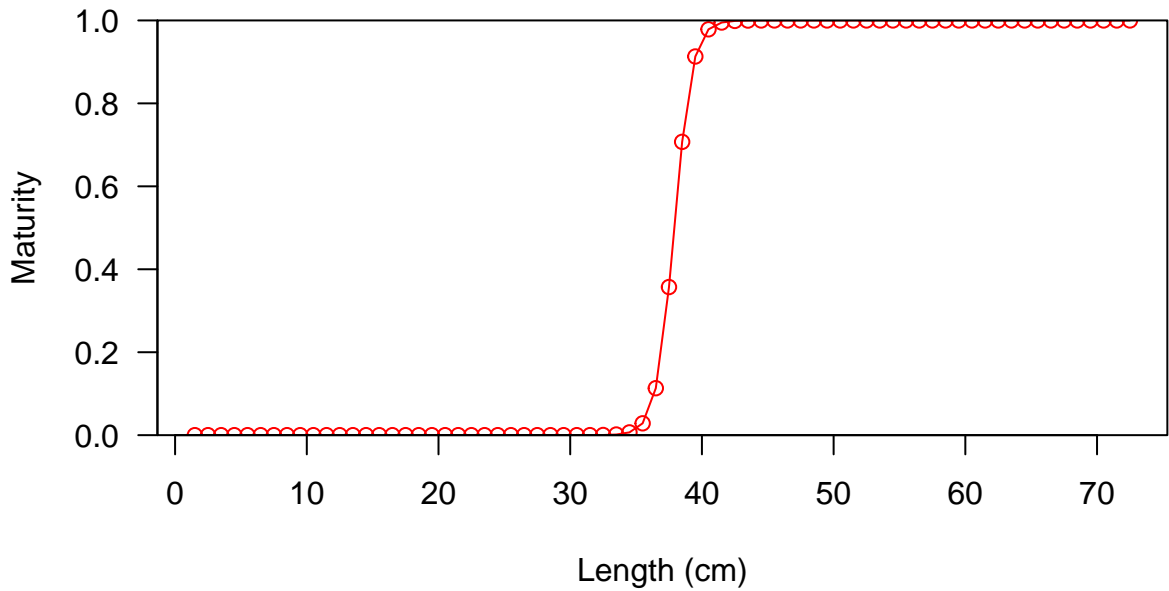


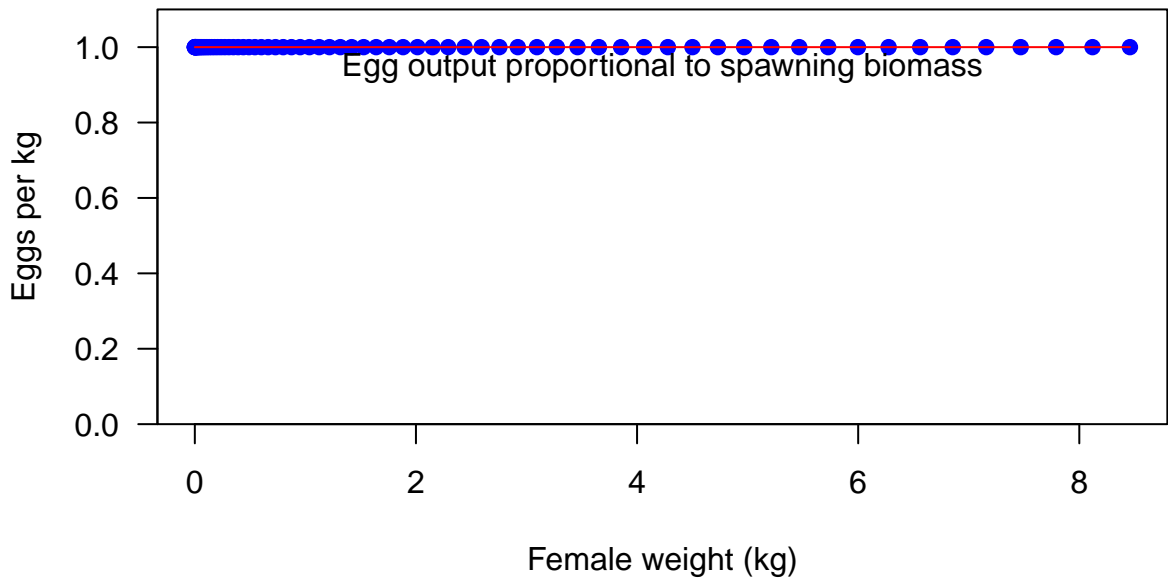




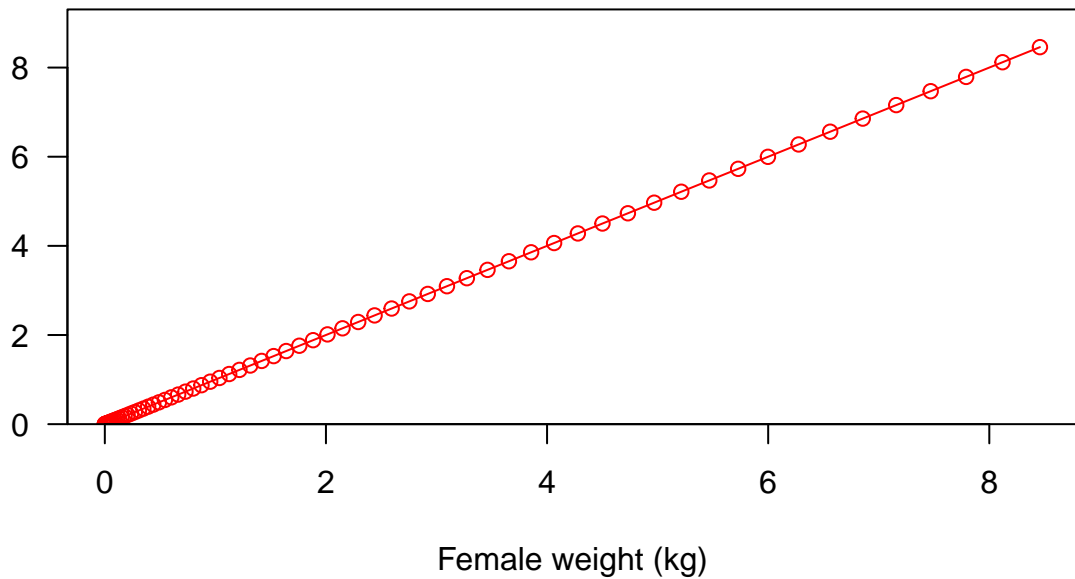




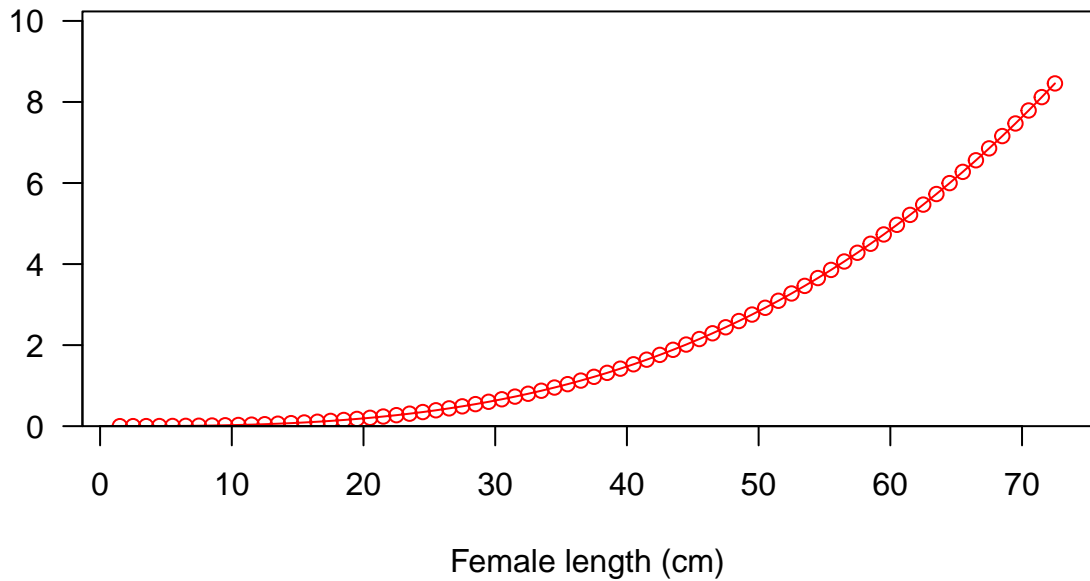




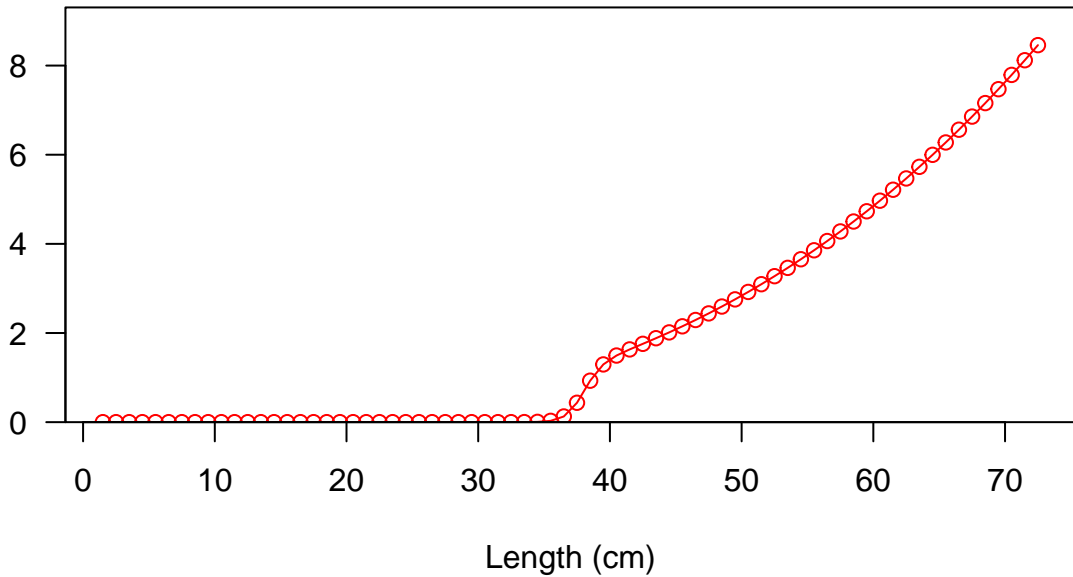
Fecundity



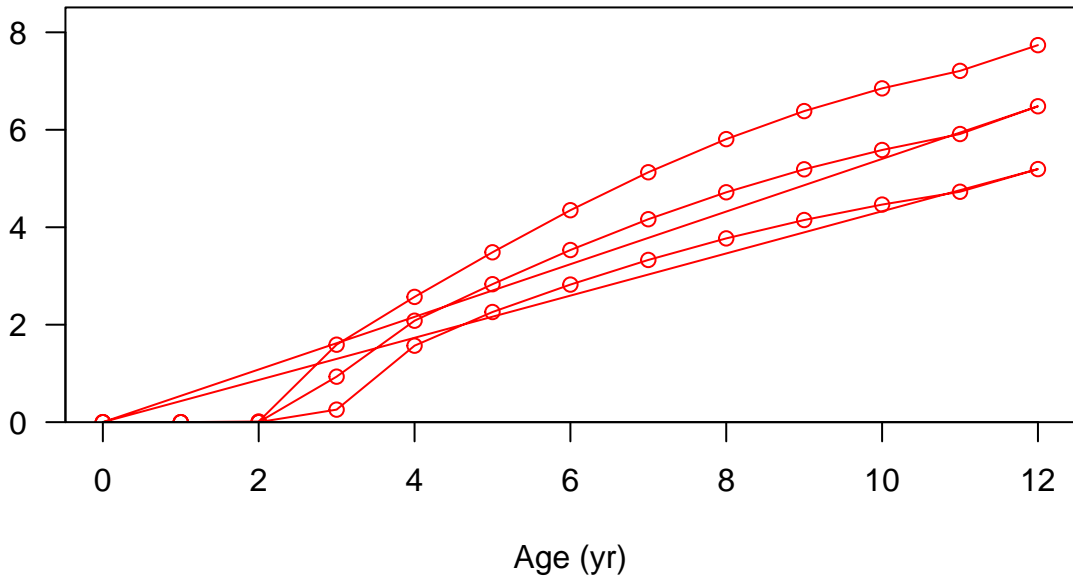
Fecundity



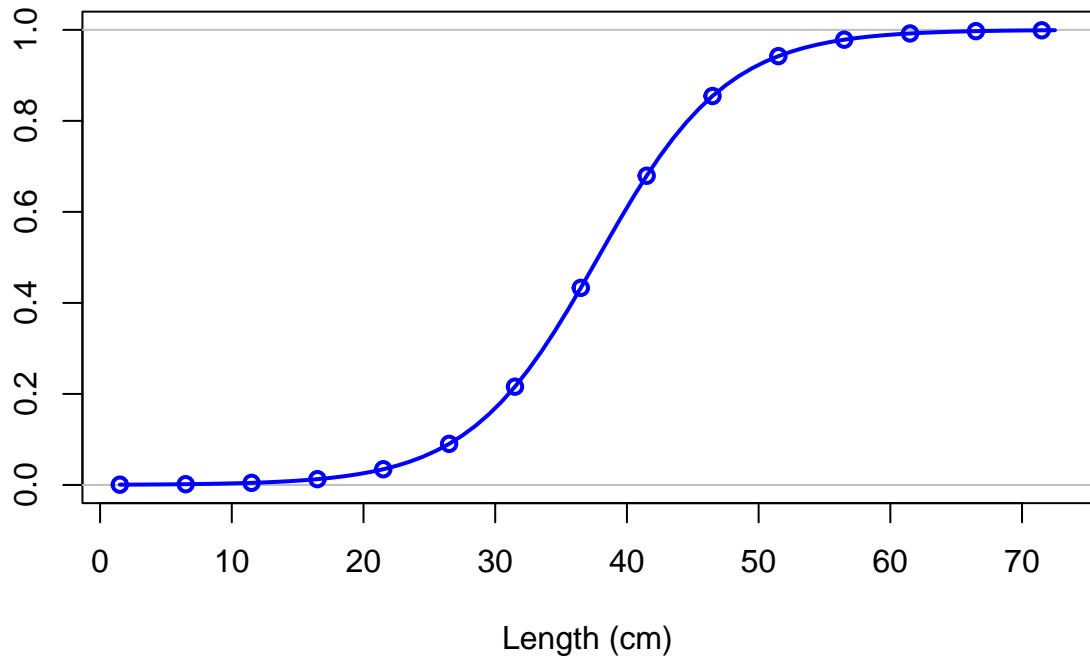
Spawning output



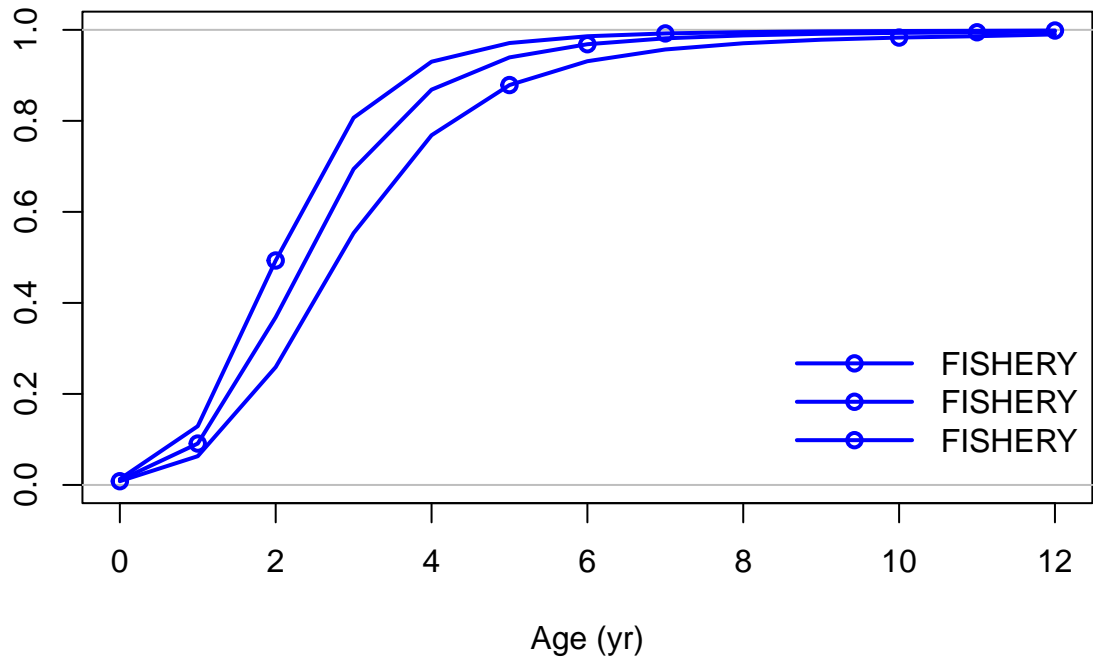
Spawning output



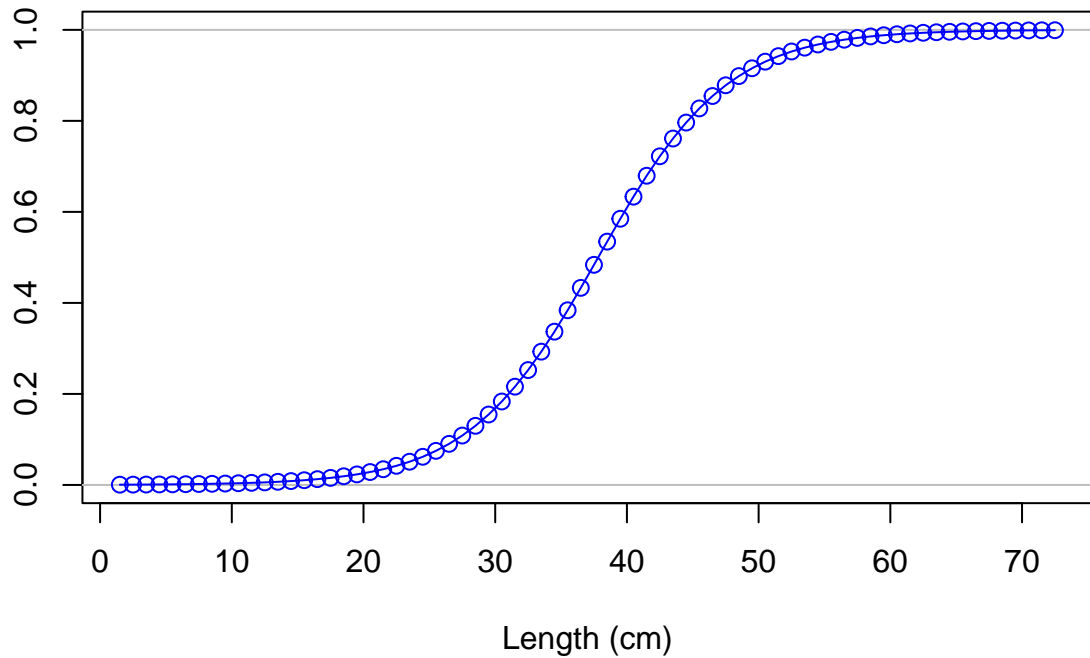
Selectivity

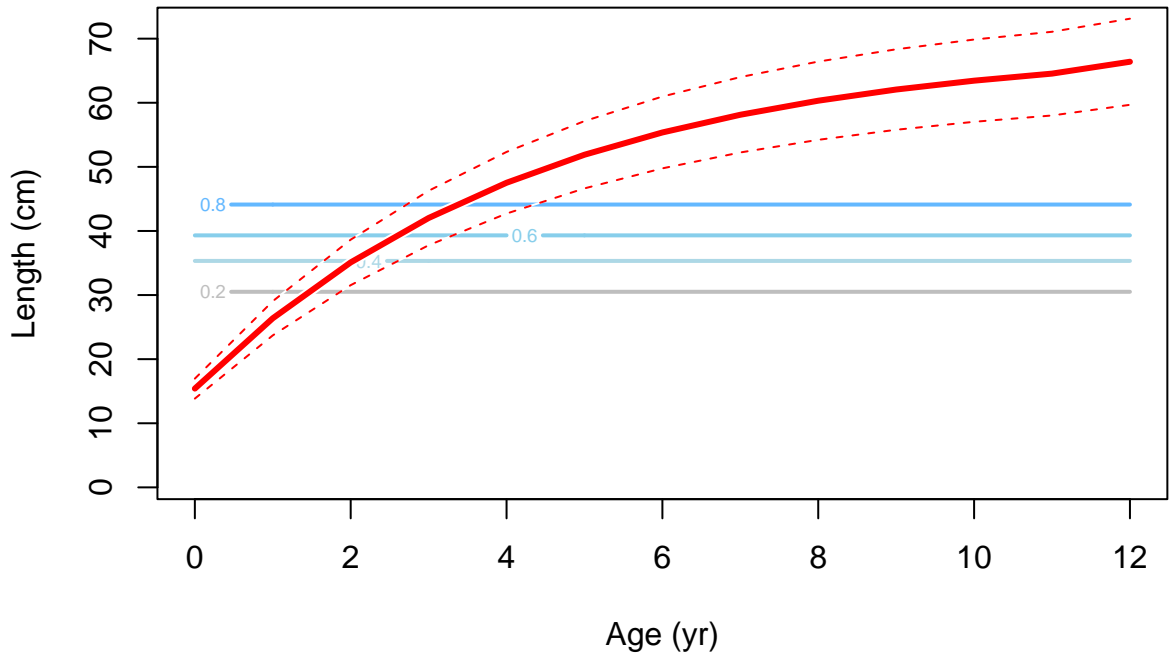


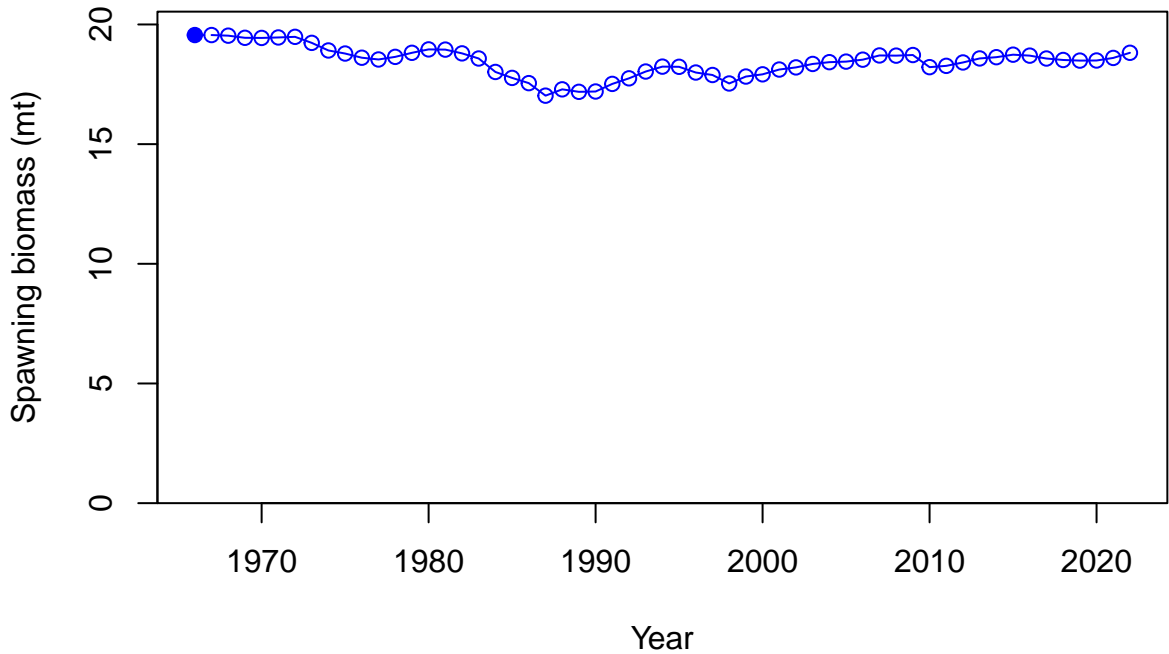
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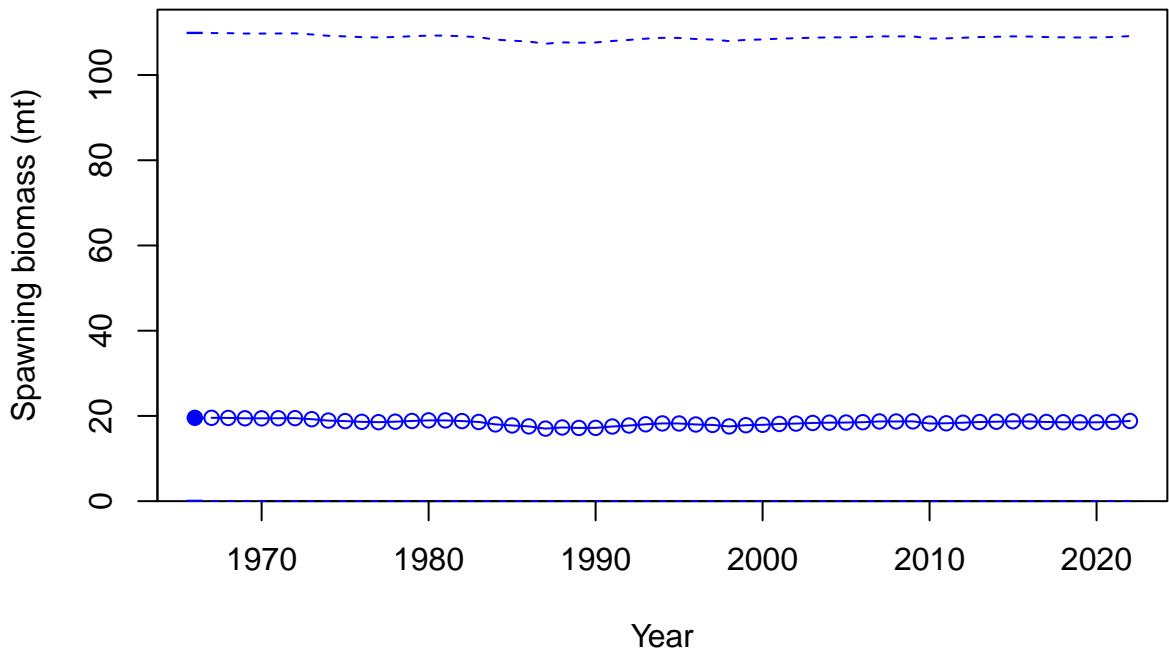


Selectivity

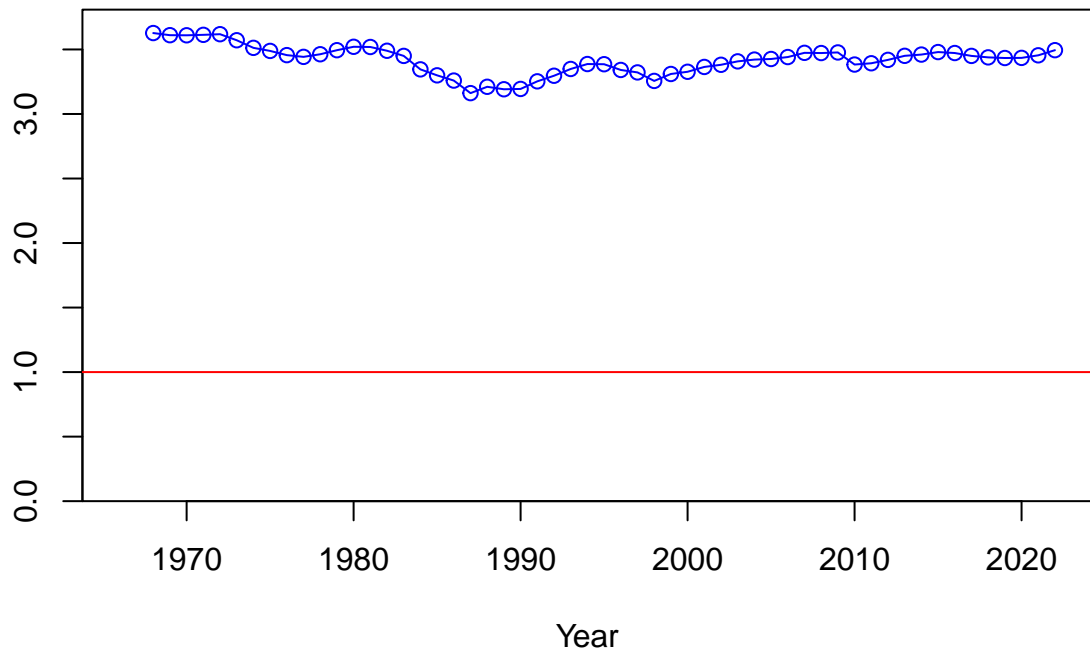




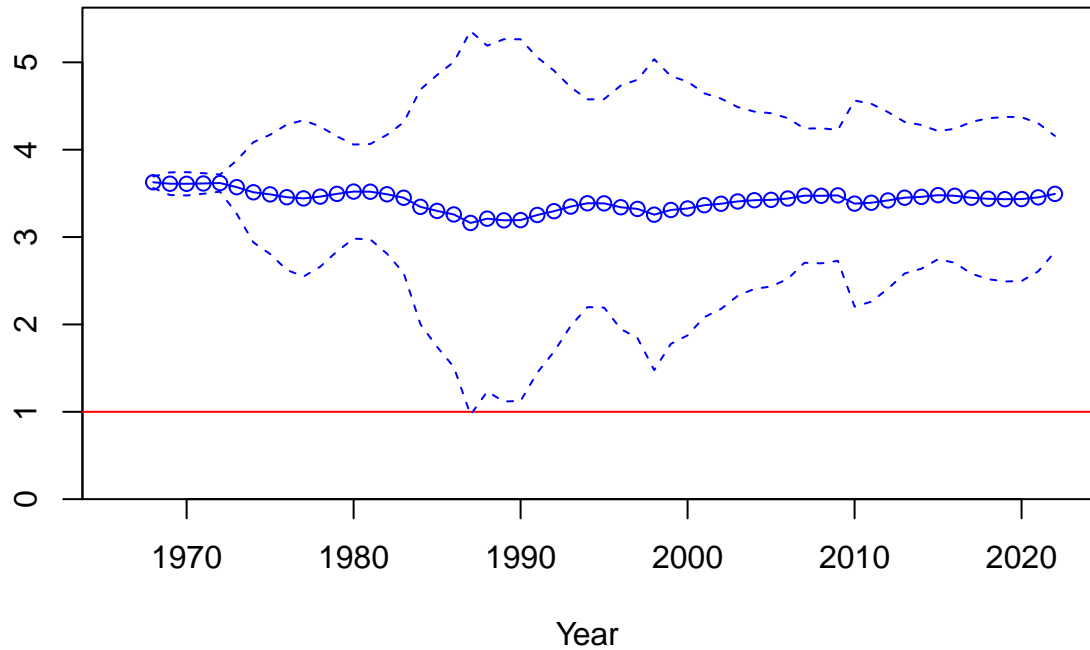


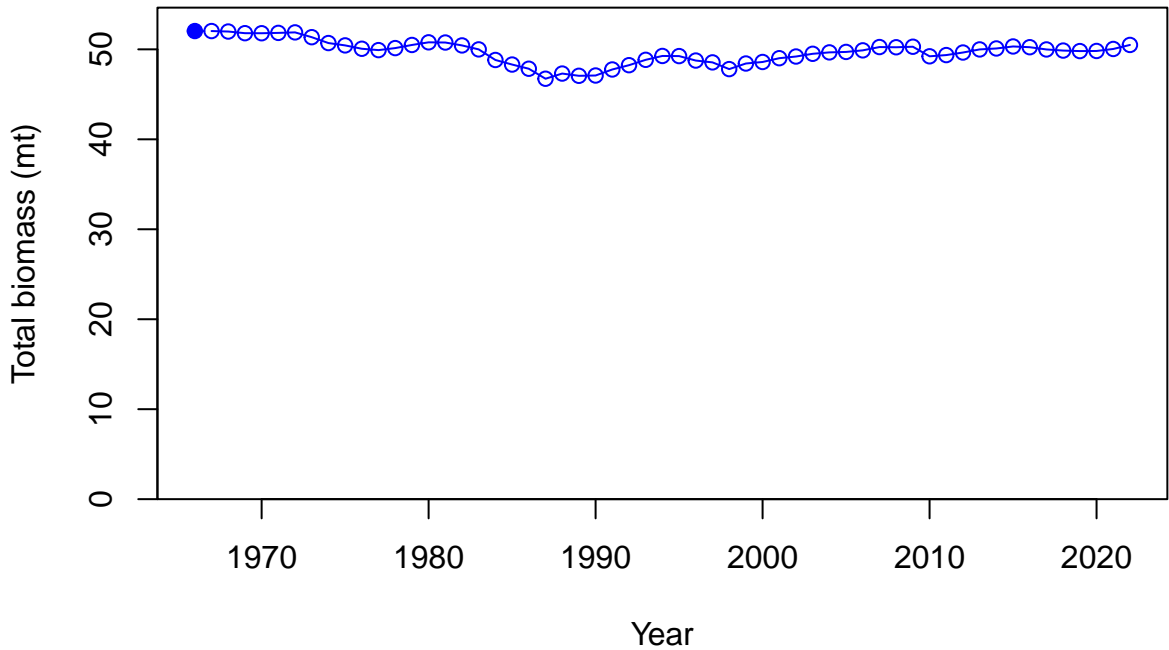


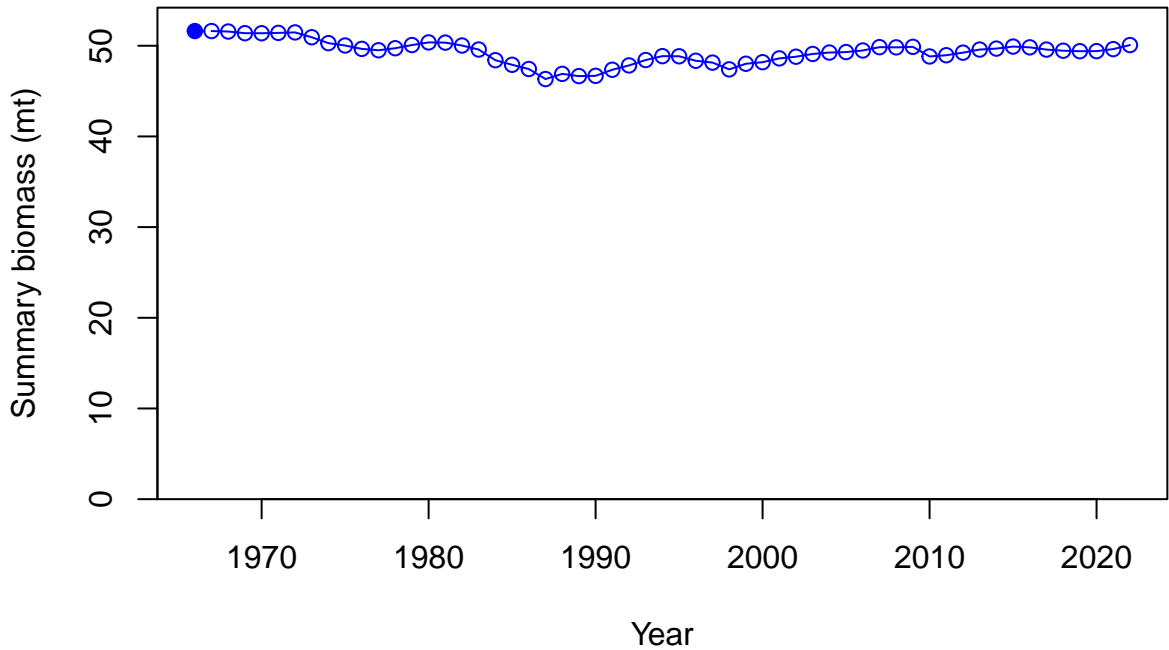
Relative spawning biomass: B/B_{MSY}



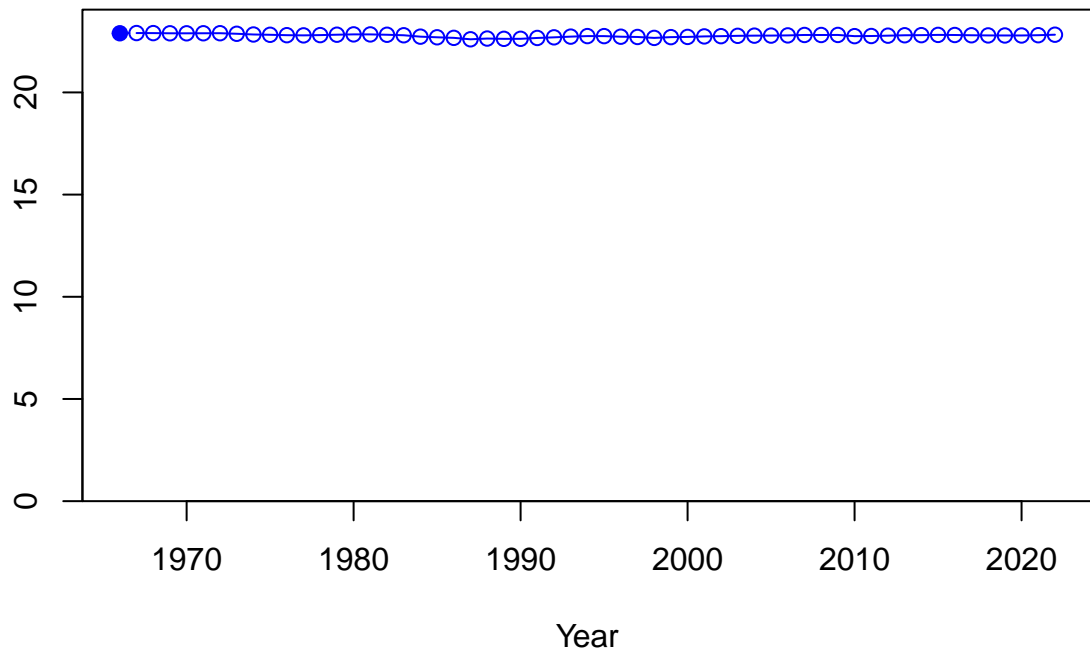
Relative spawning biomass: B/B_{MSY}

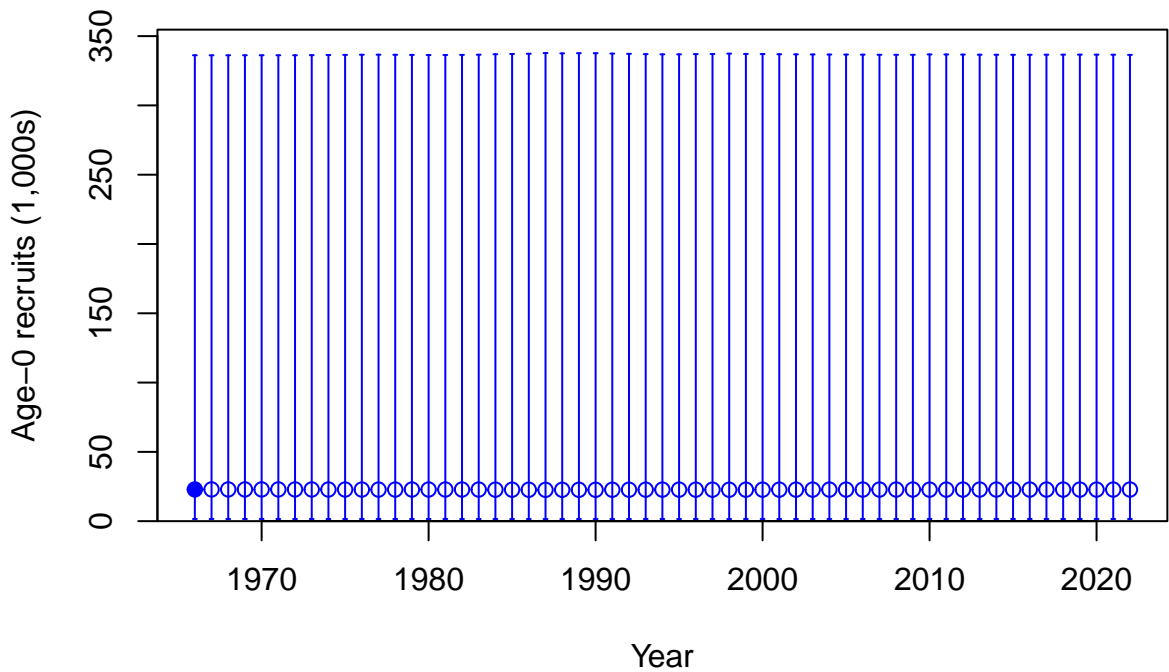




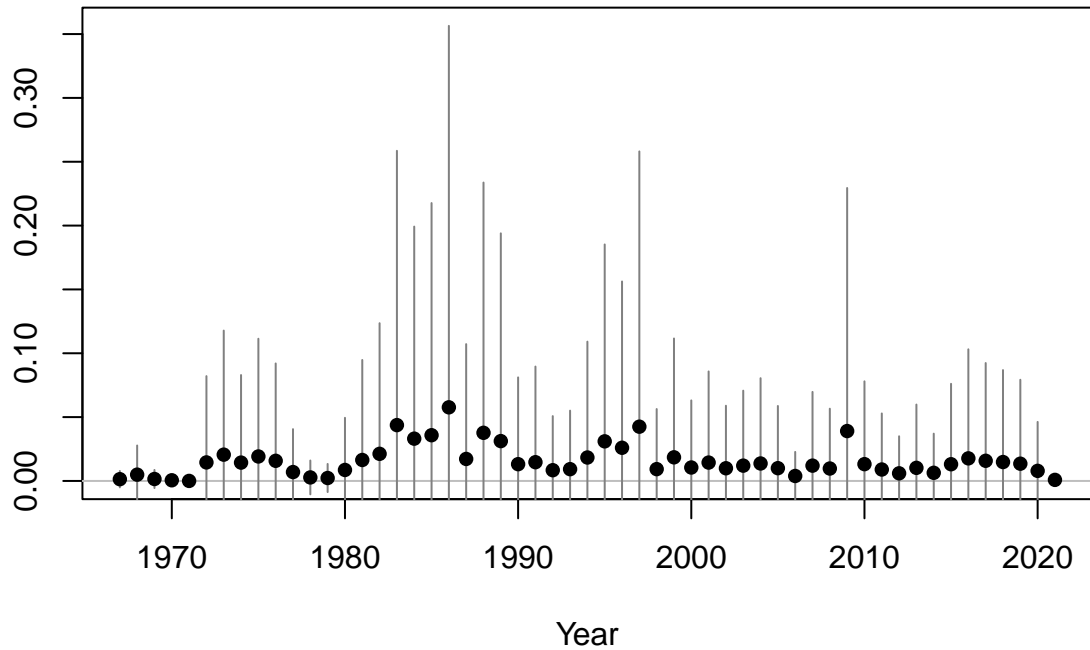


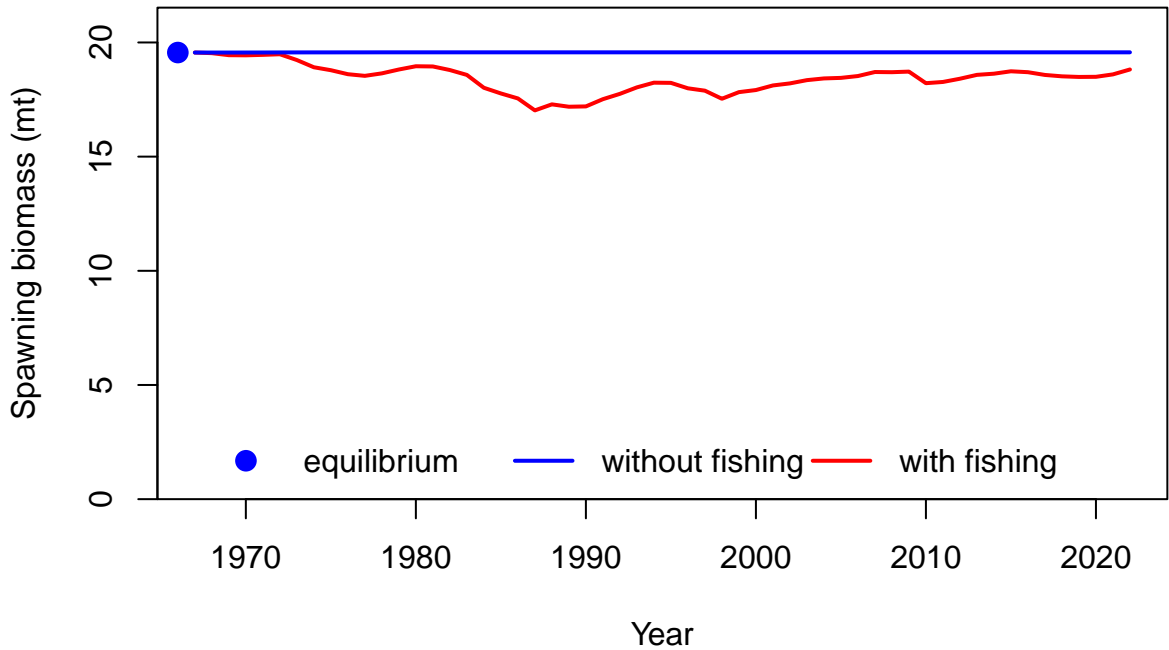
Age-0 recruits (1,000s)



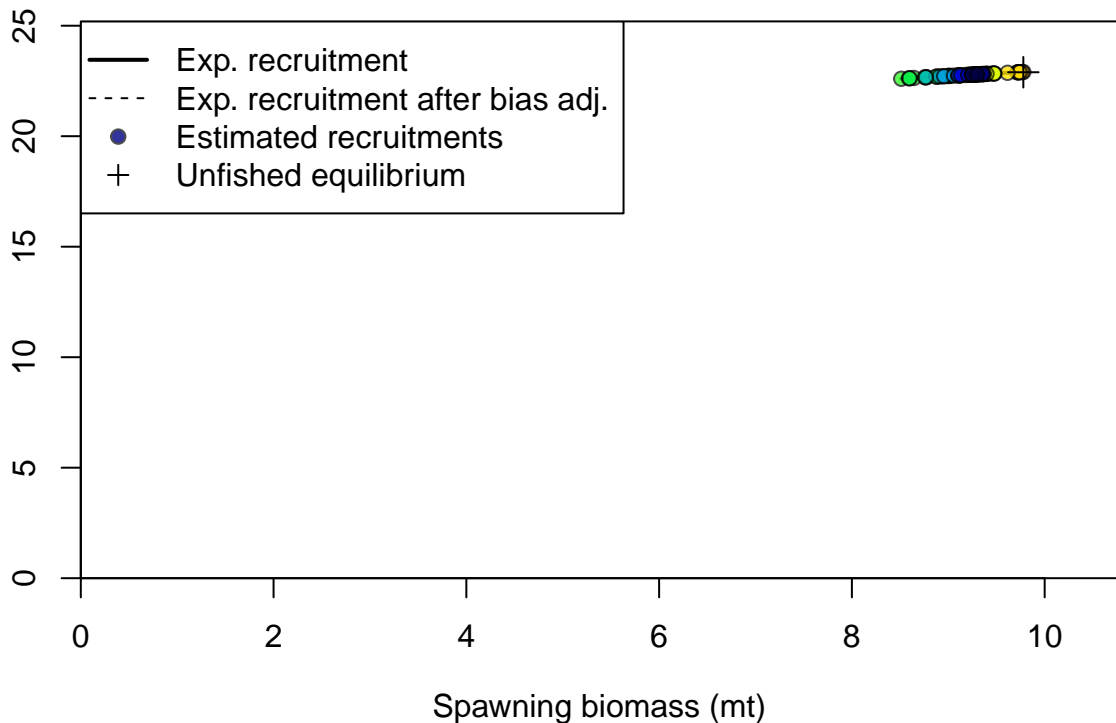


Summary Fishing Mortality

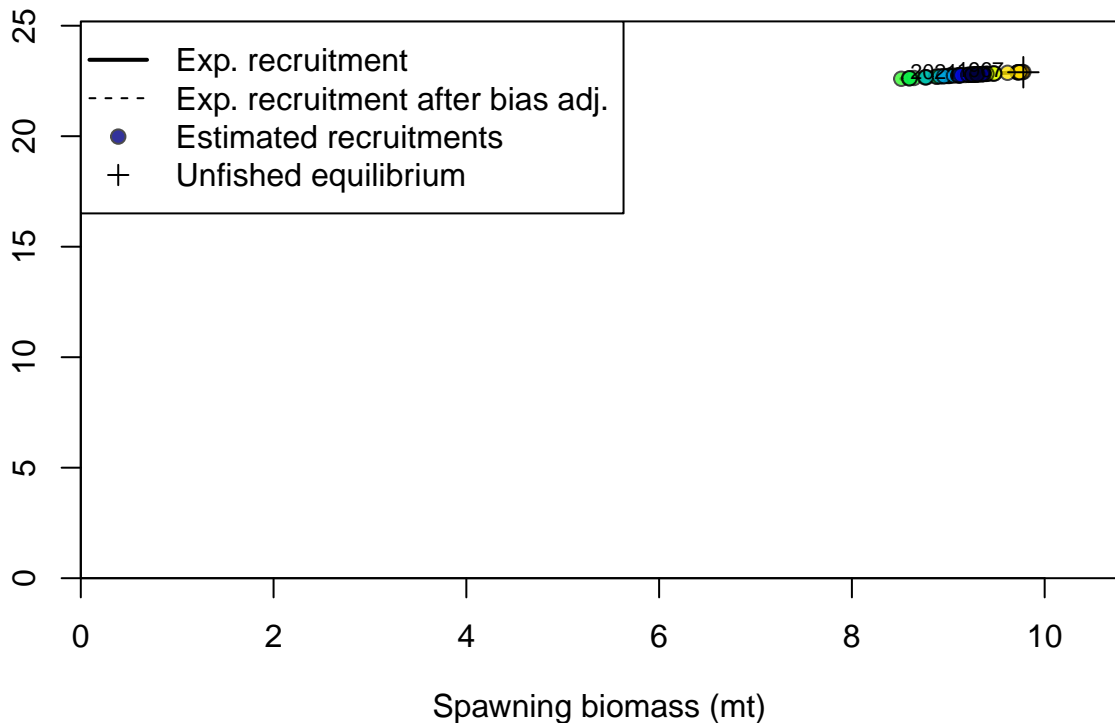


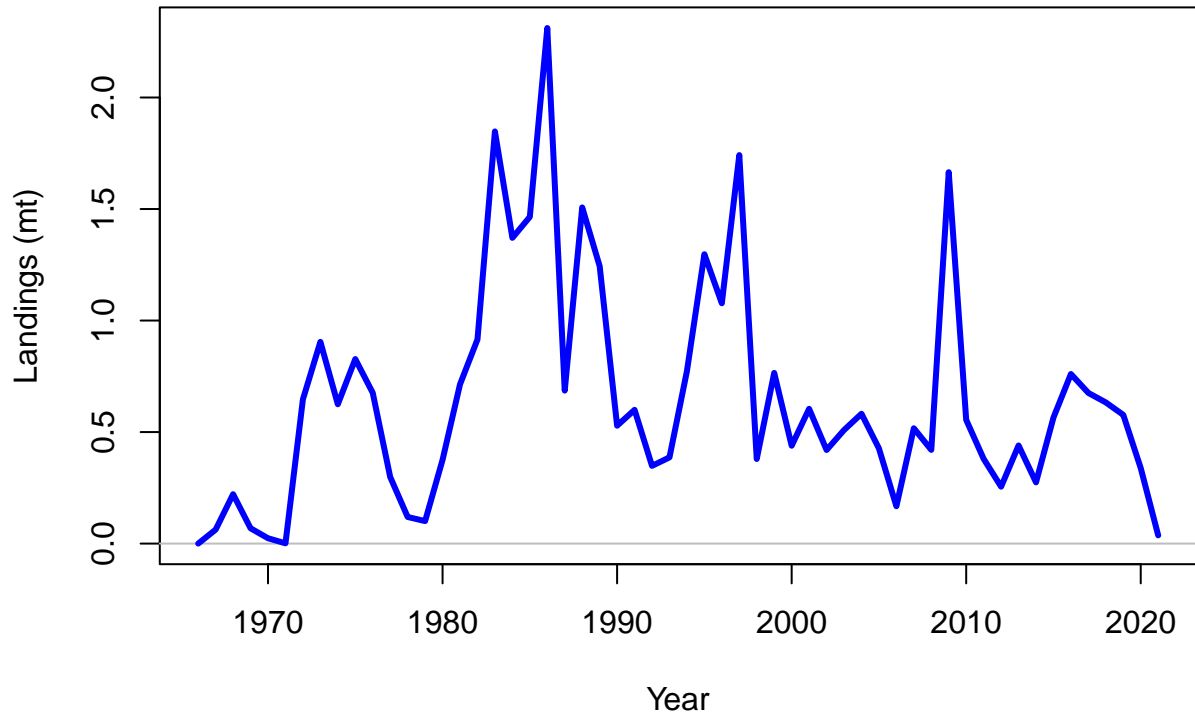


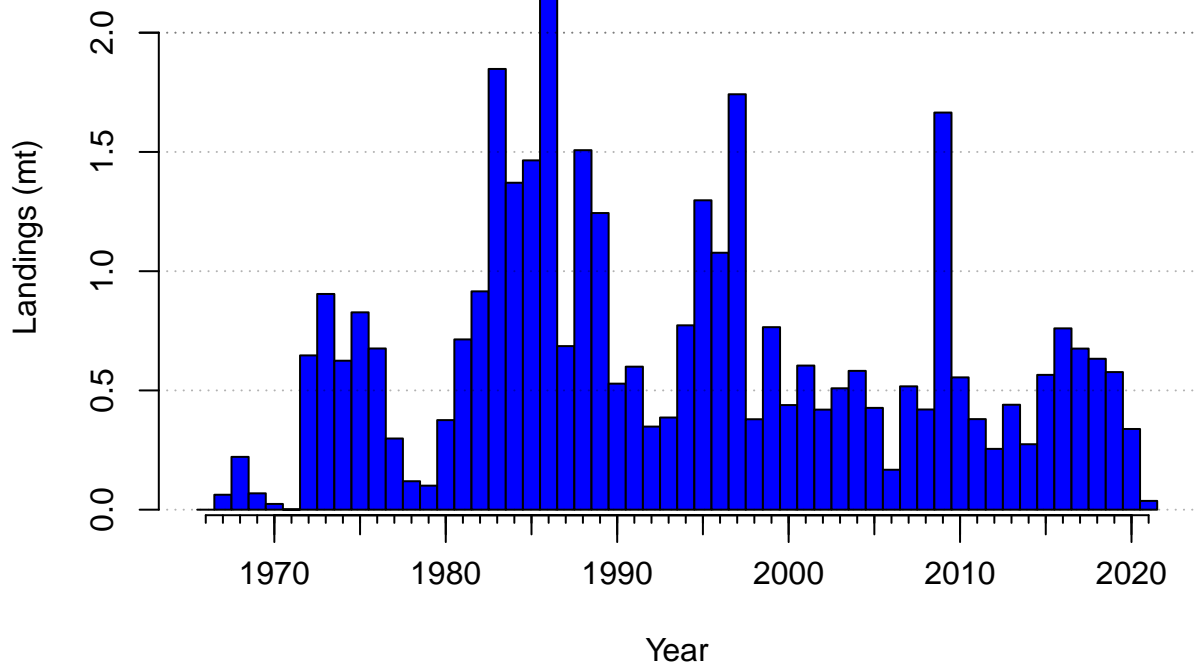
Recruitment (1,000s)

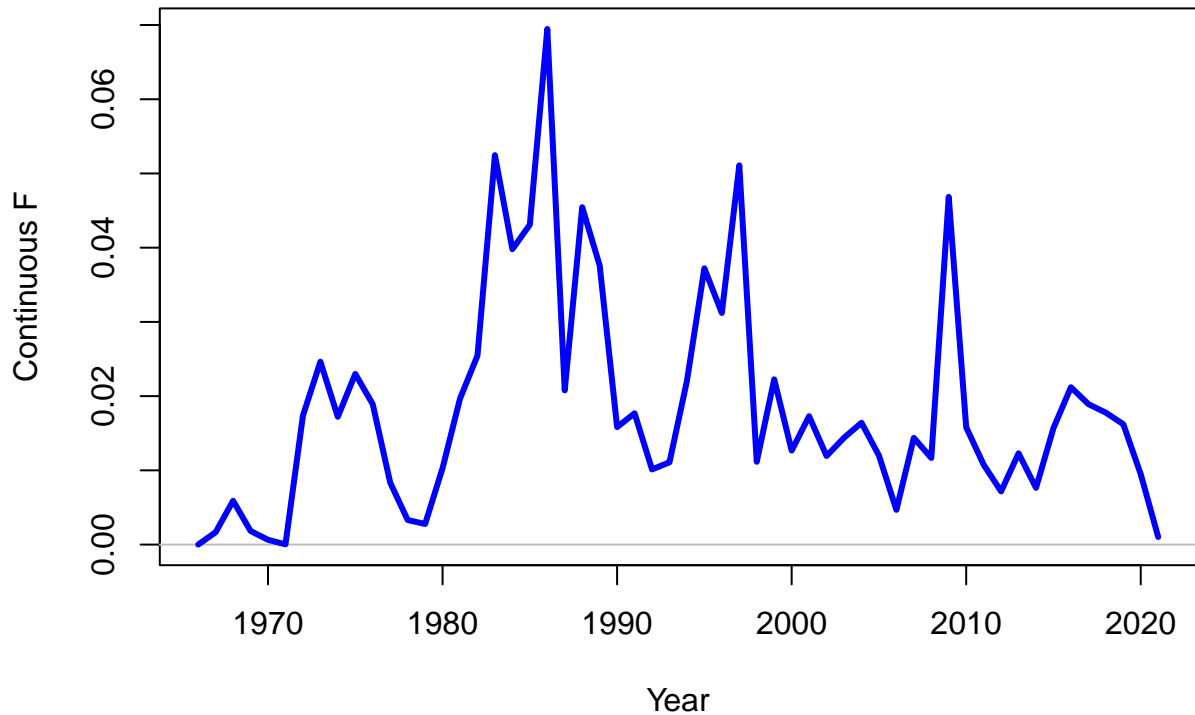


Recruitment (1,000s)

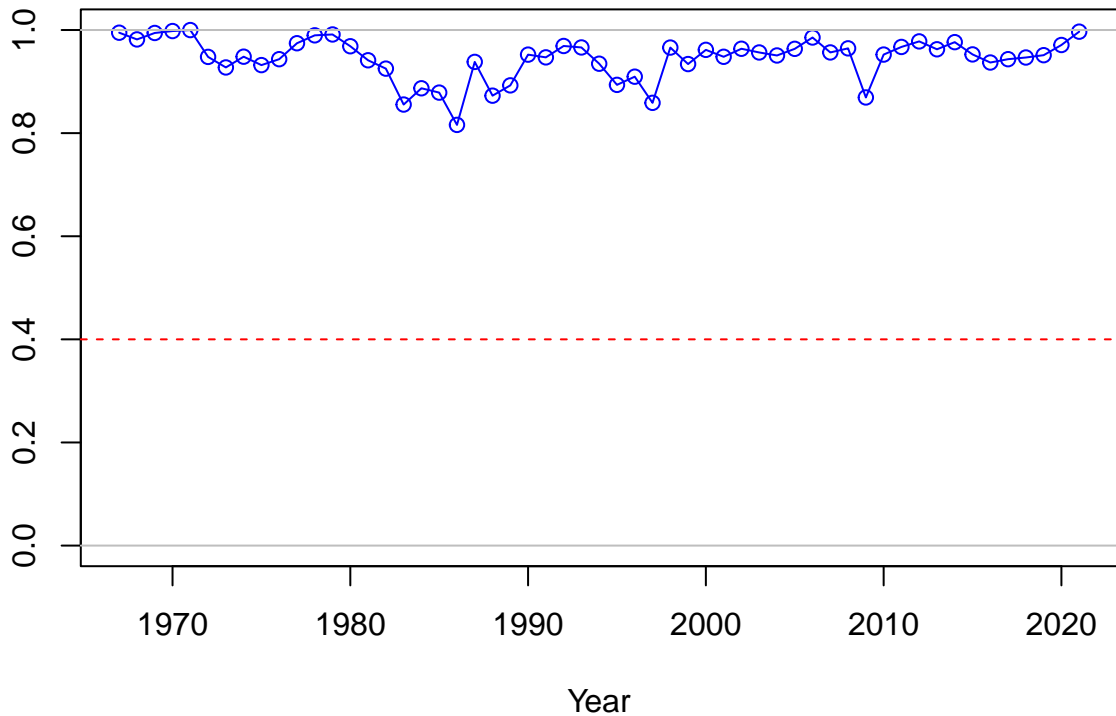




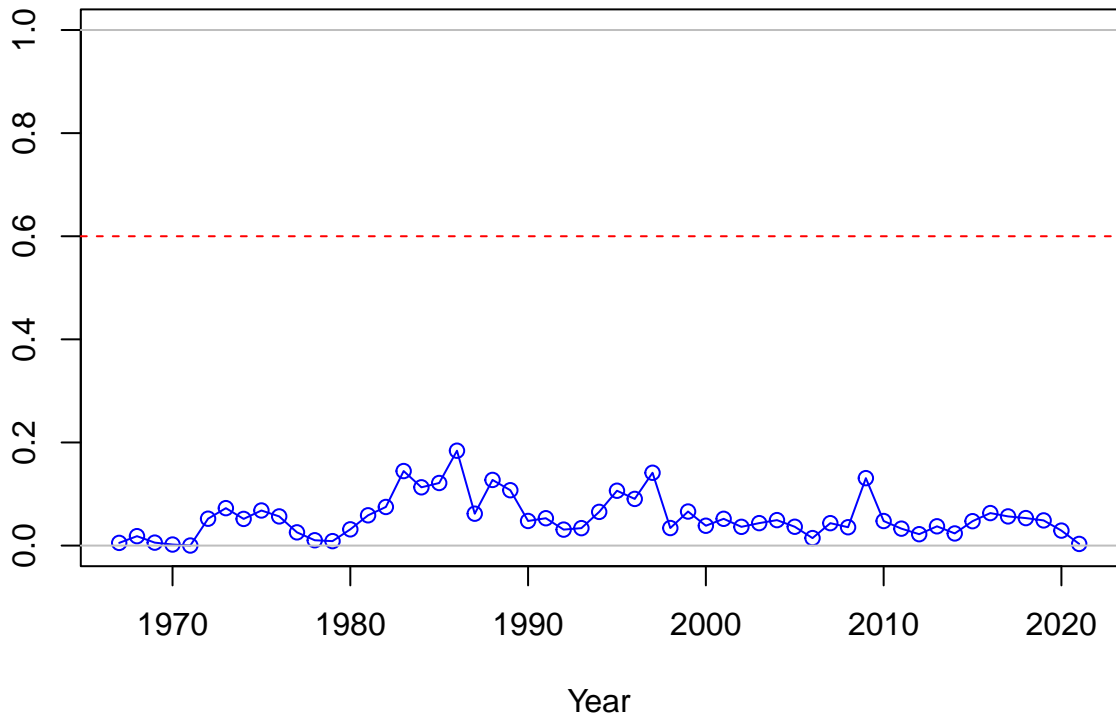




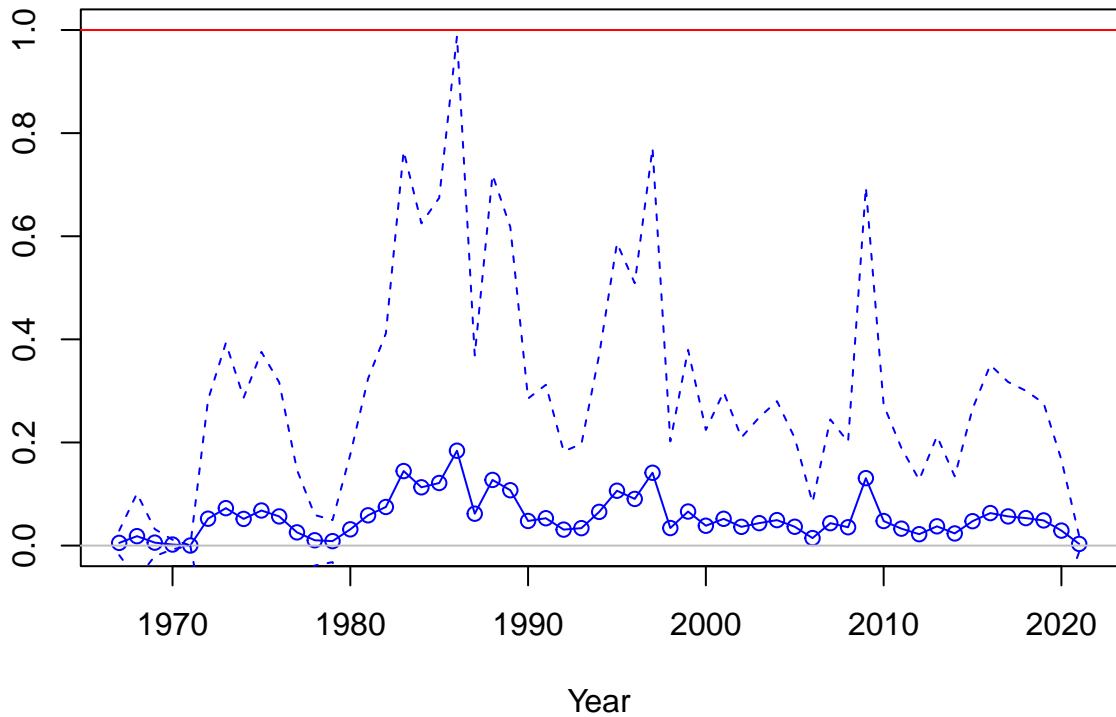
SPR

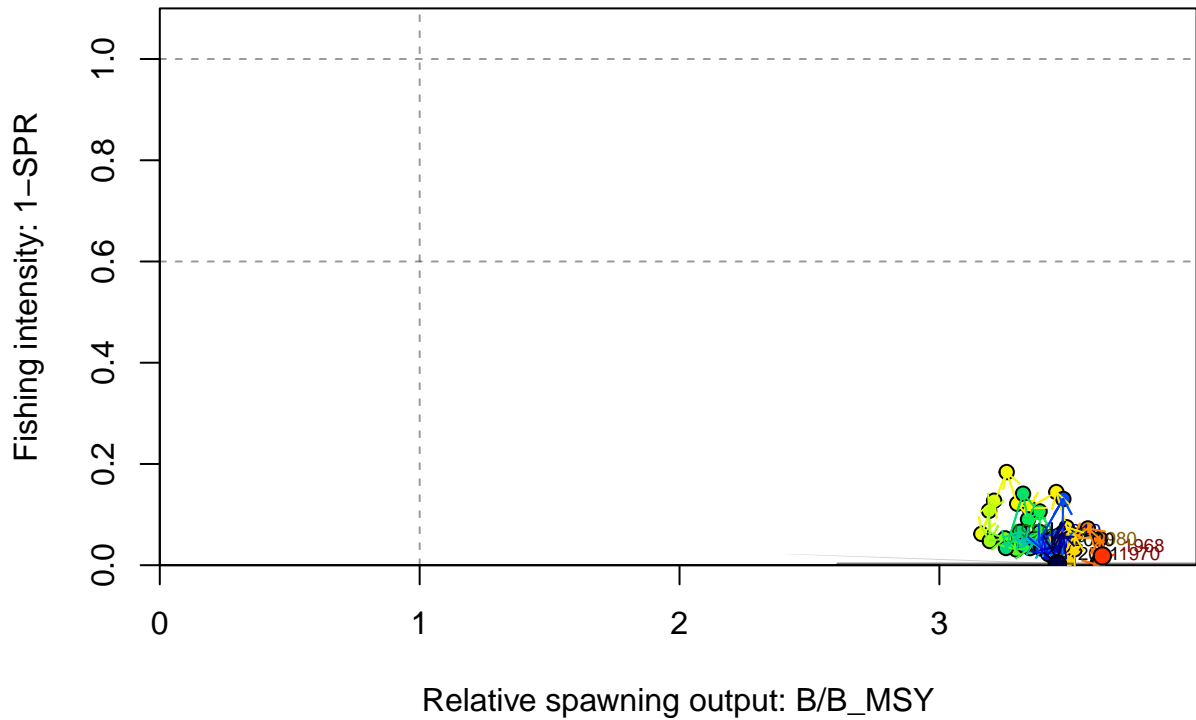


1-SPR



Fishing intensity: 1-SPR





Index

30
20
10
0

1990

1995

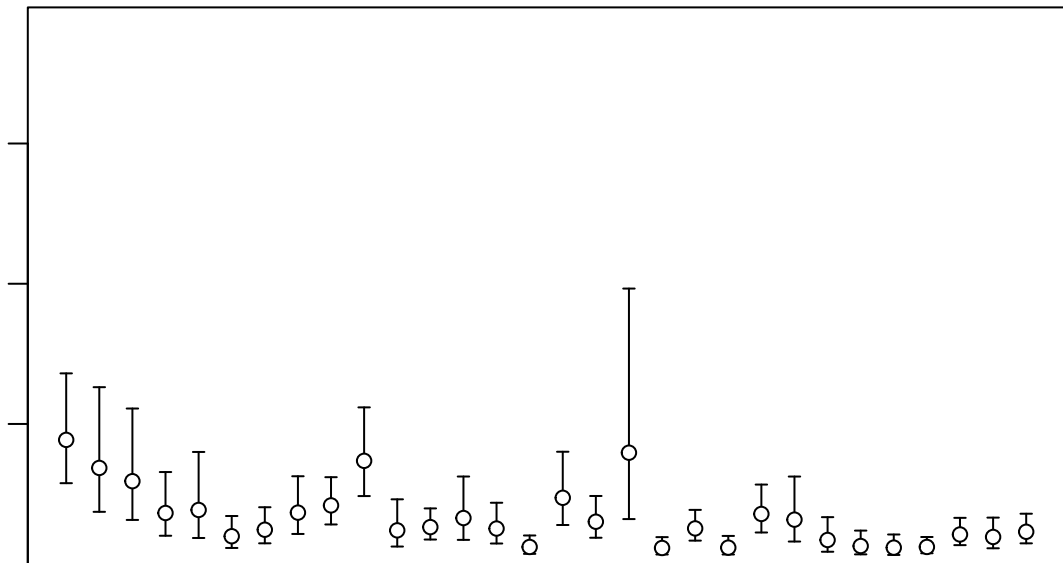
2000

2005

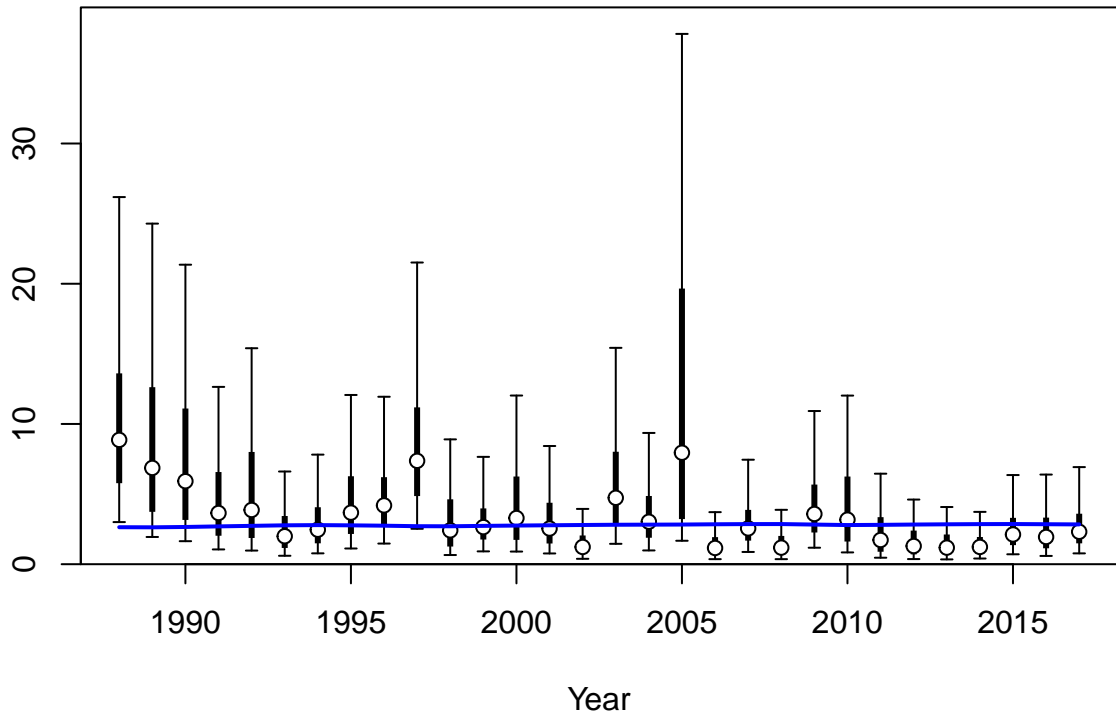
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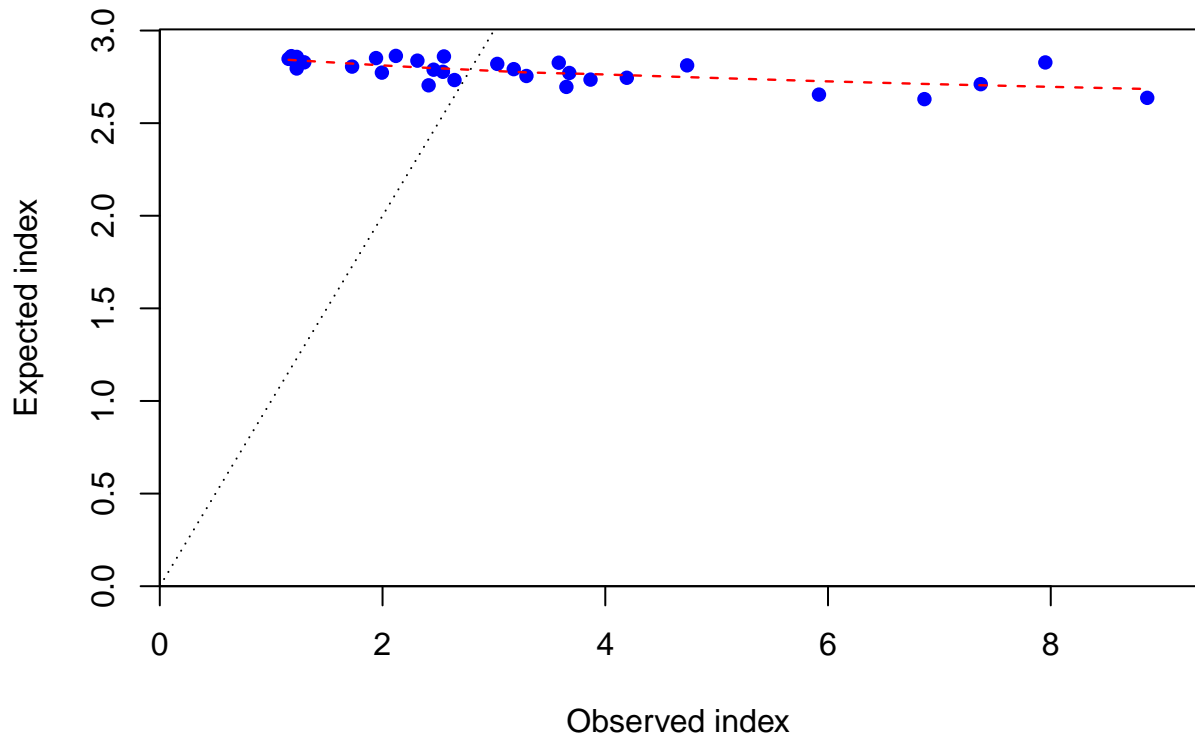
2015

Year



Index





Log index

3
2
1
0
-1

1990

1995

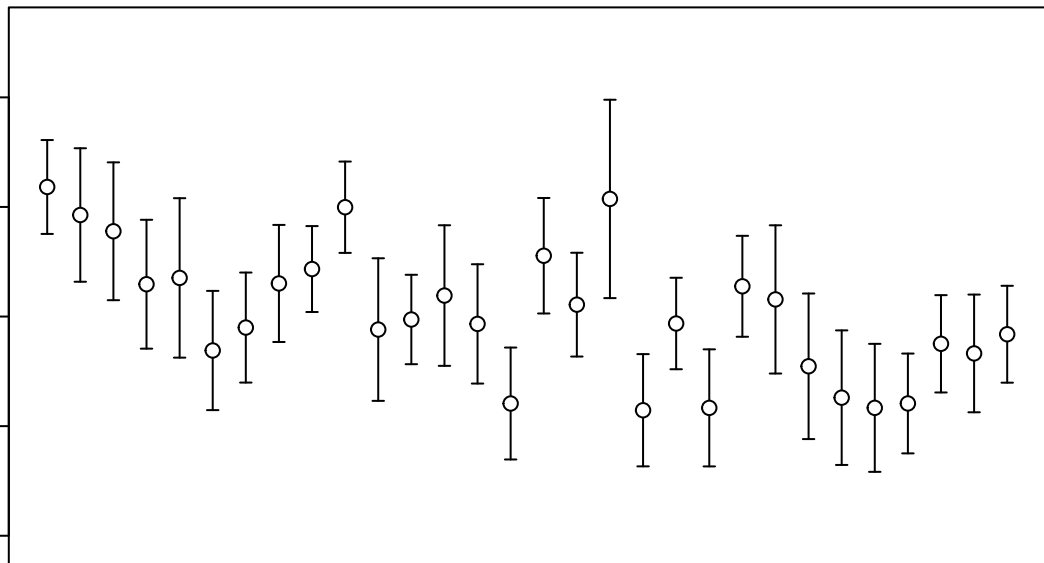
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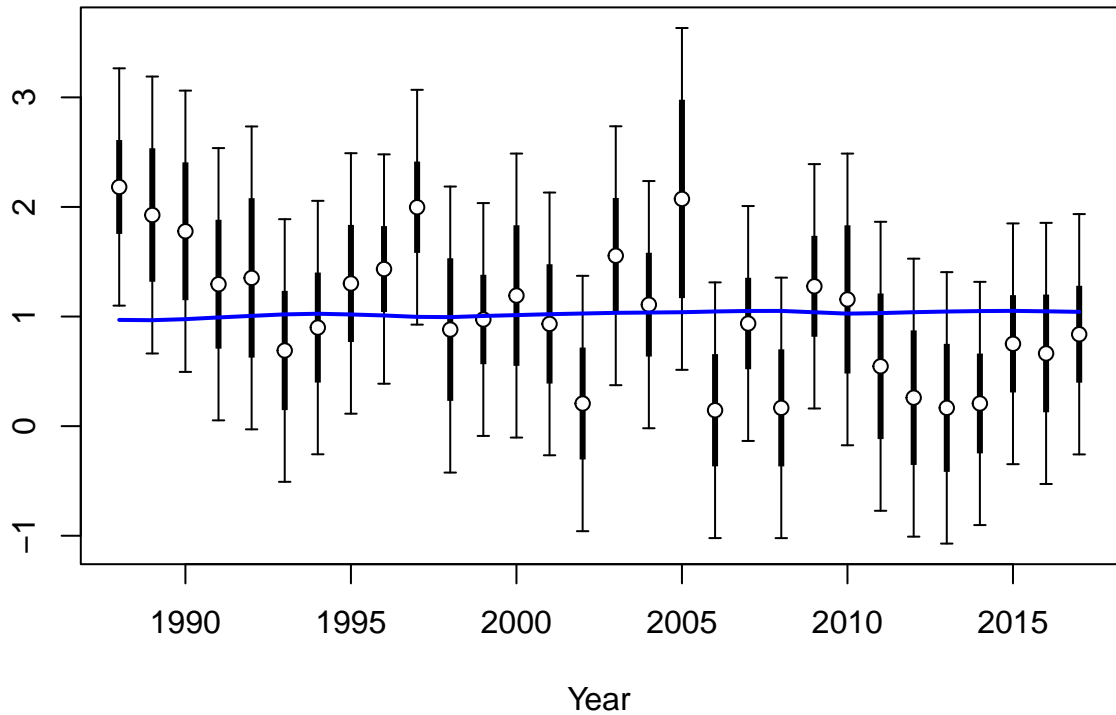
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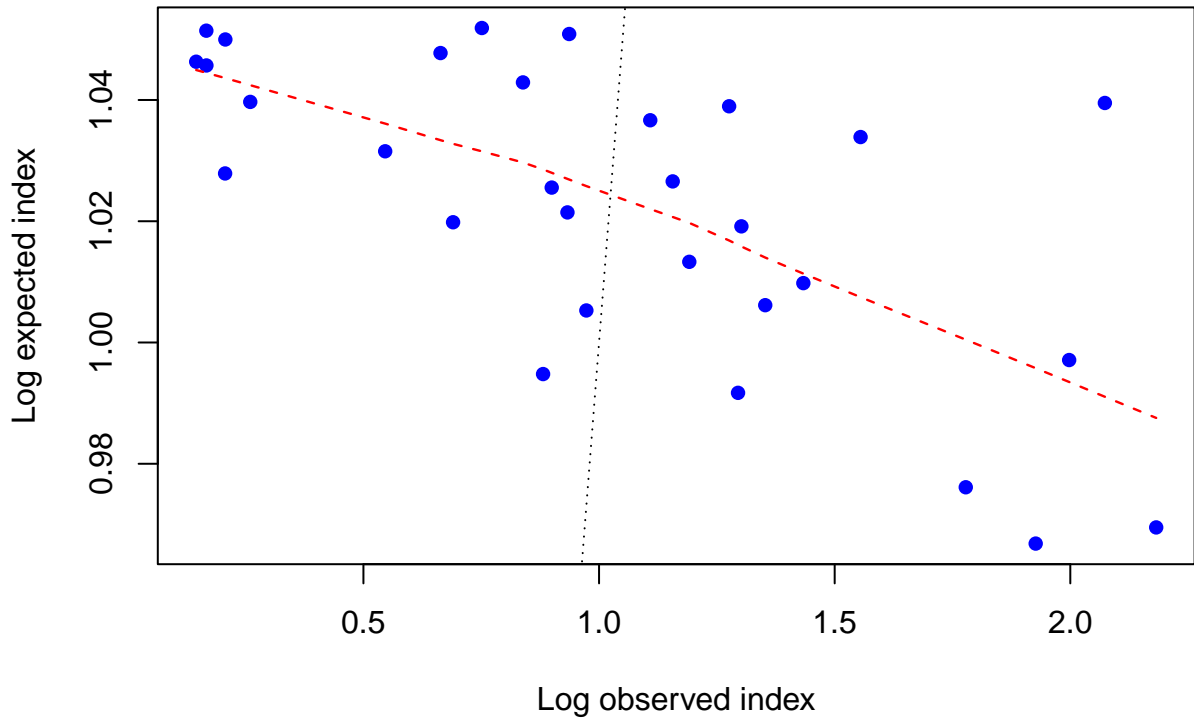
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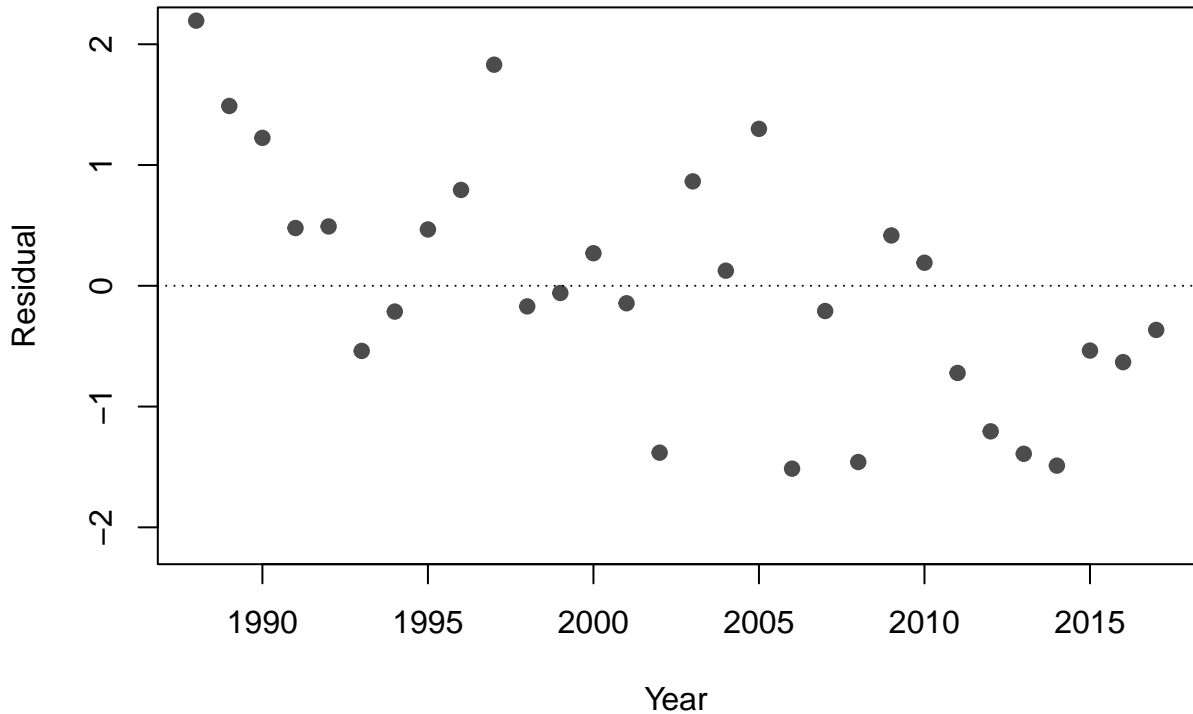
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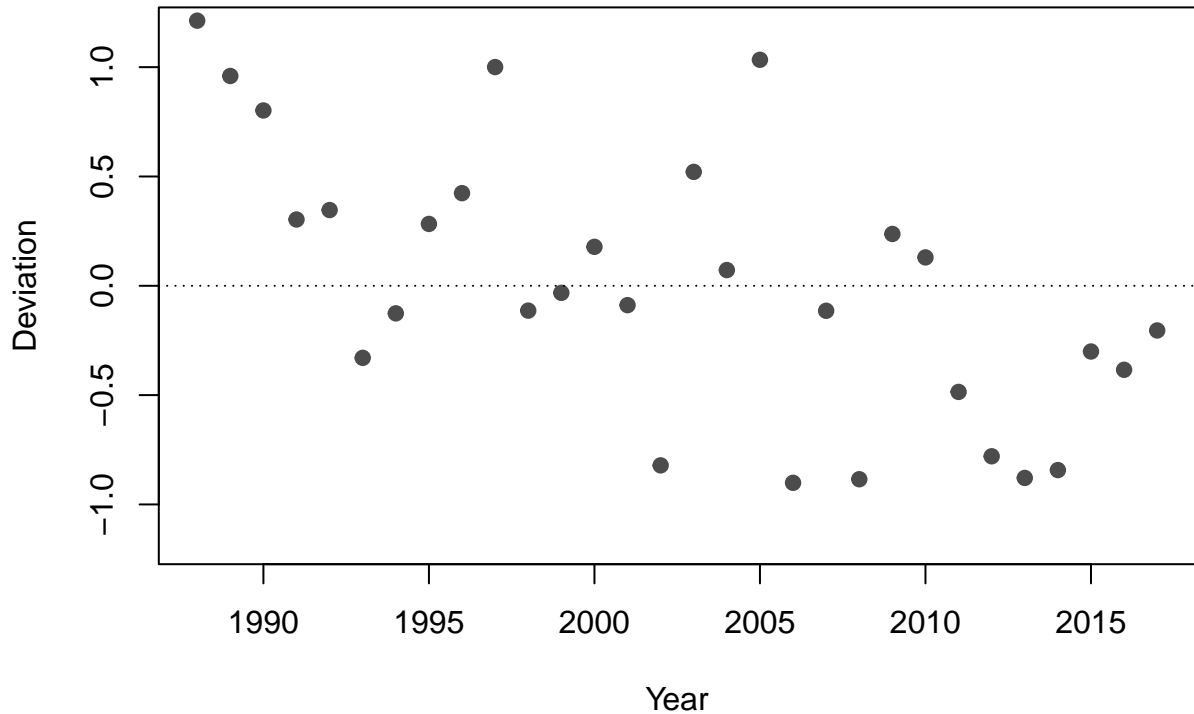


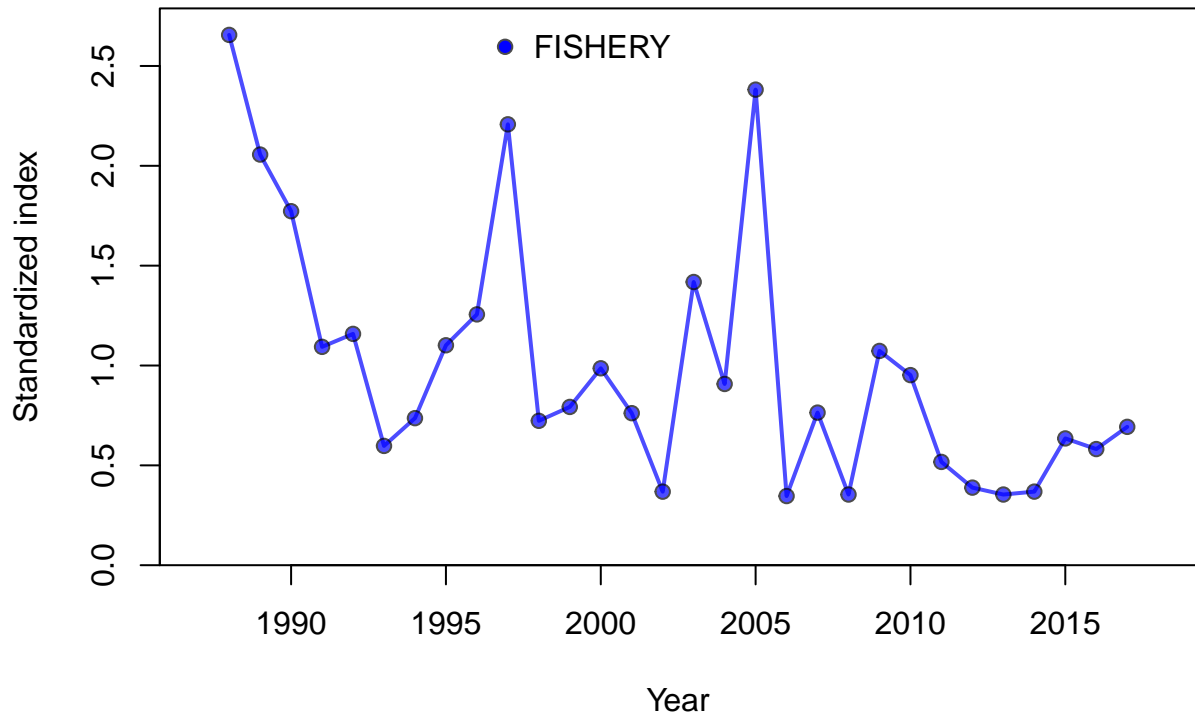
Log index



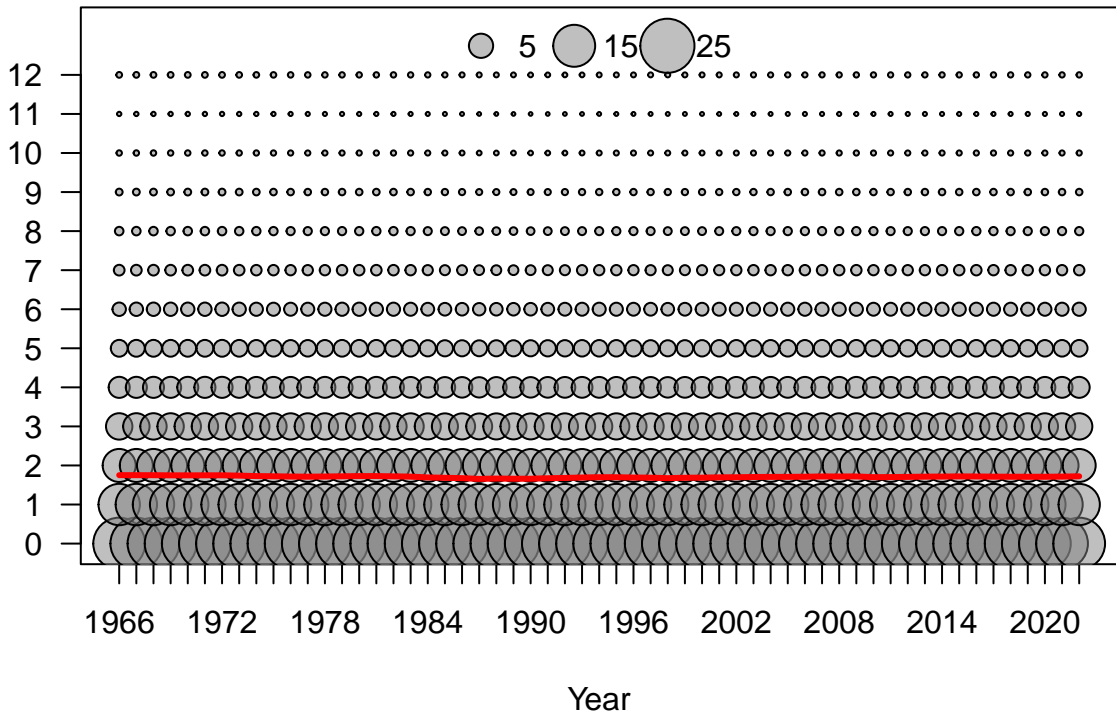




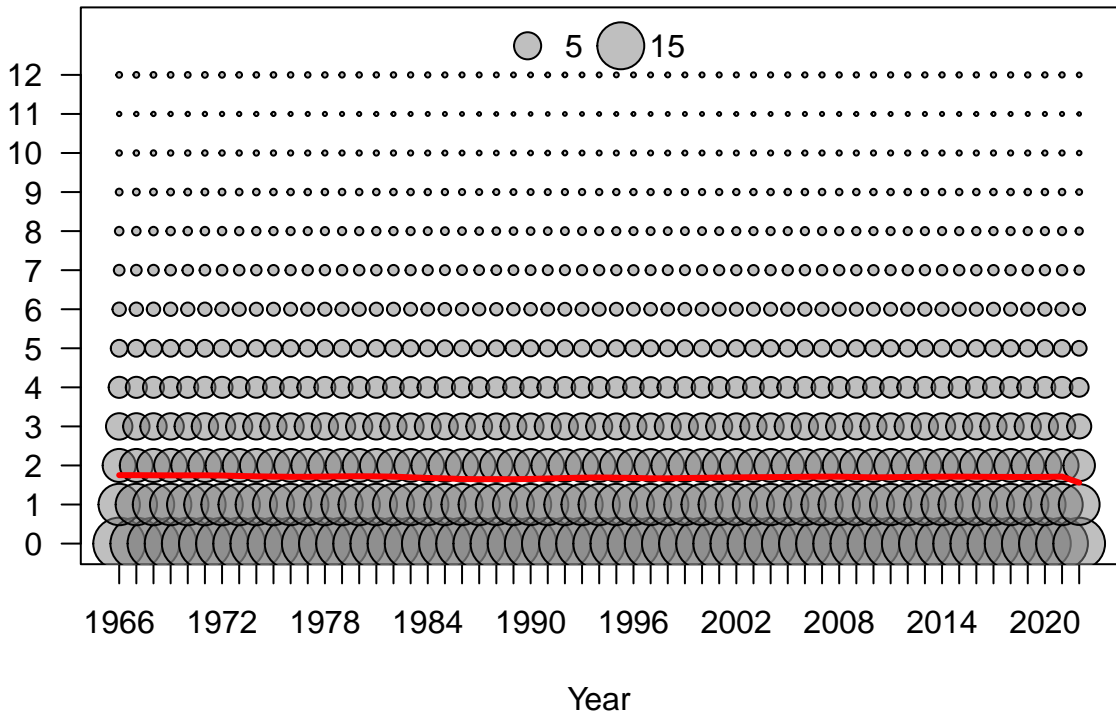


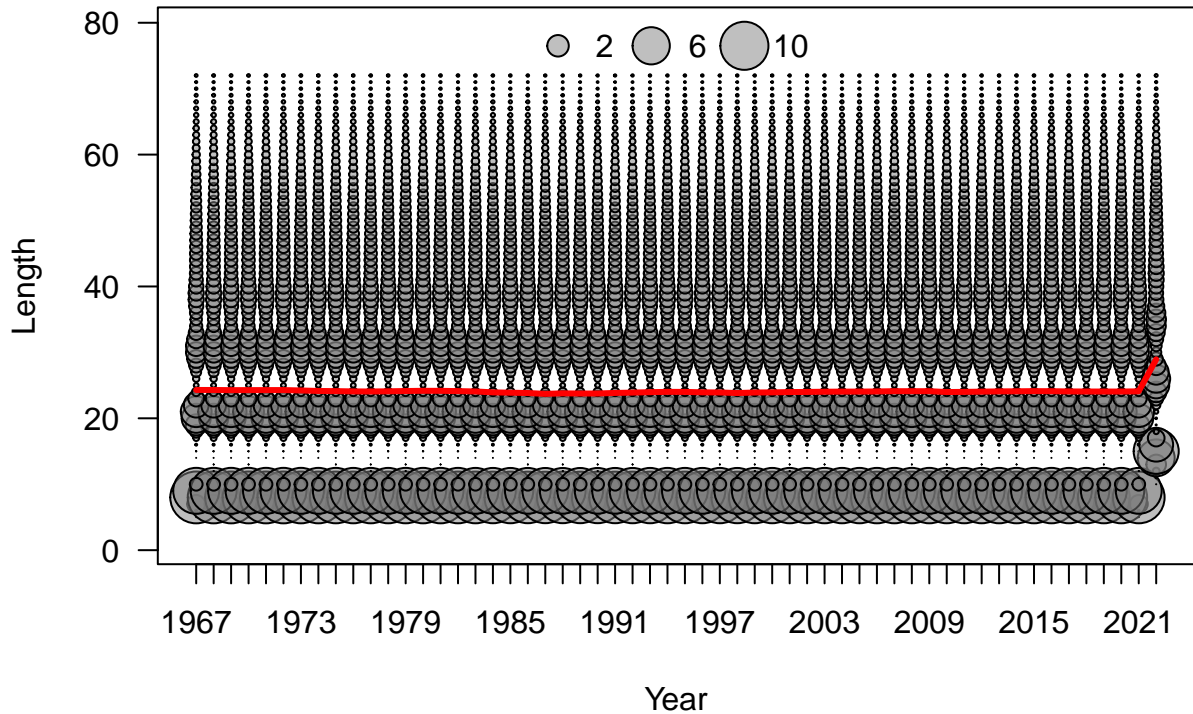


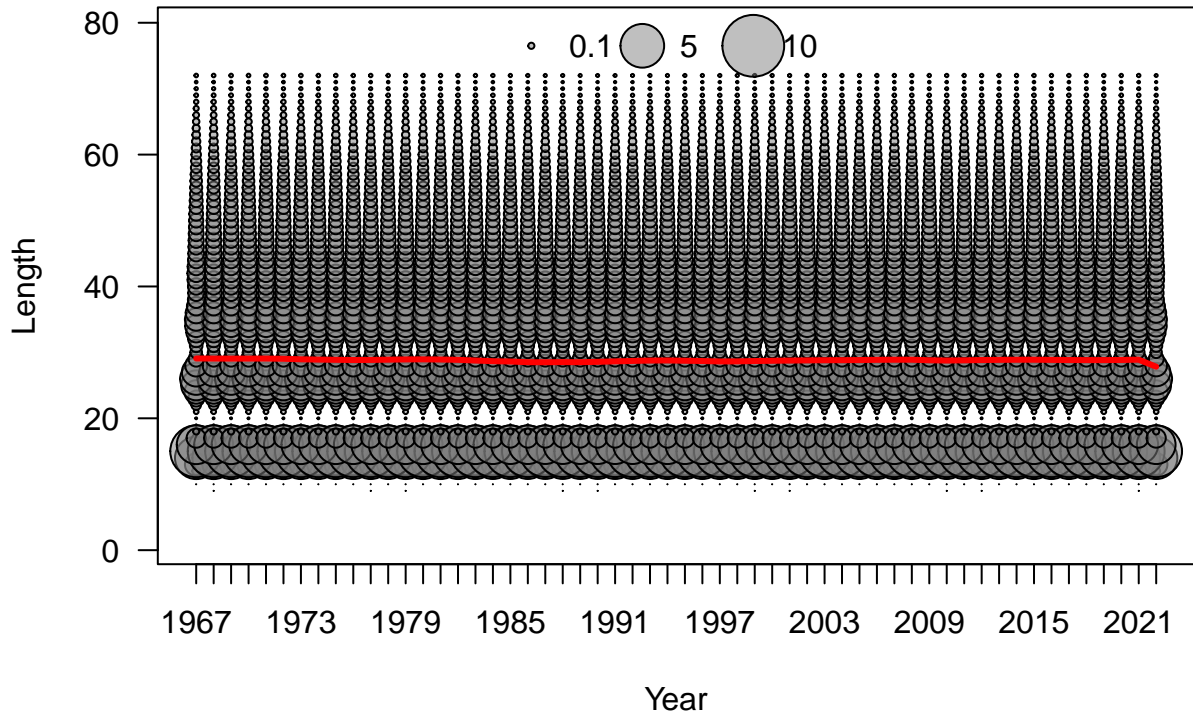
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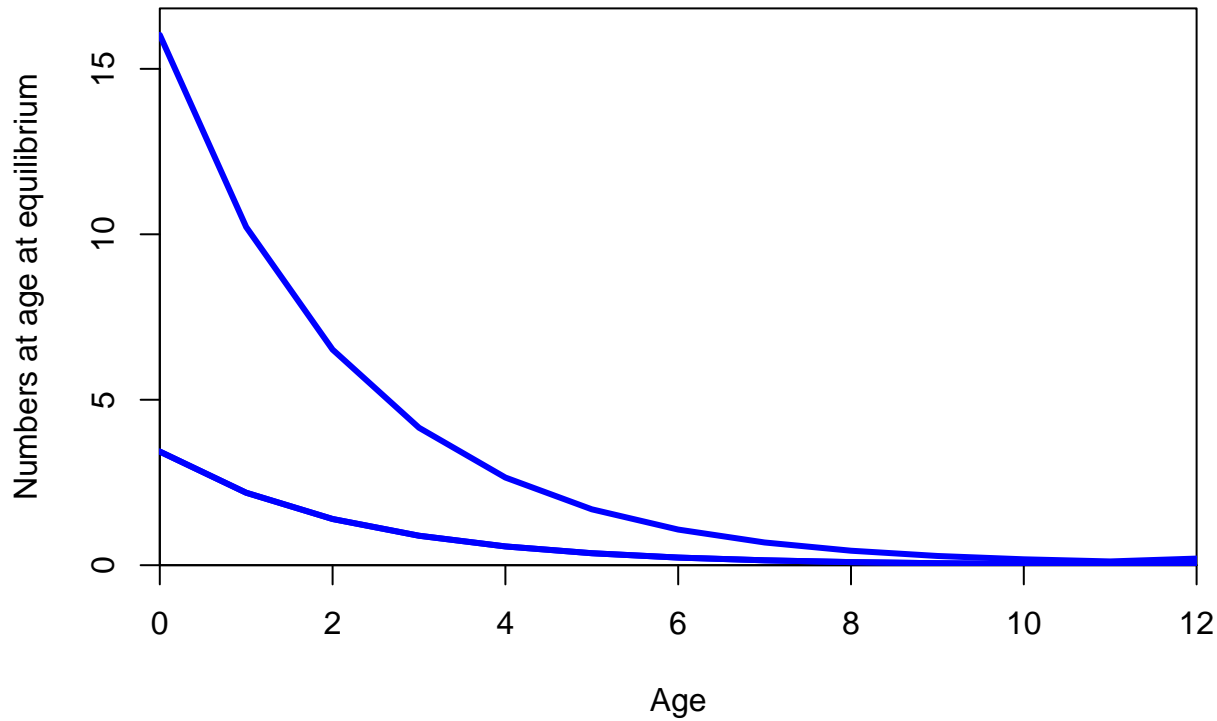


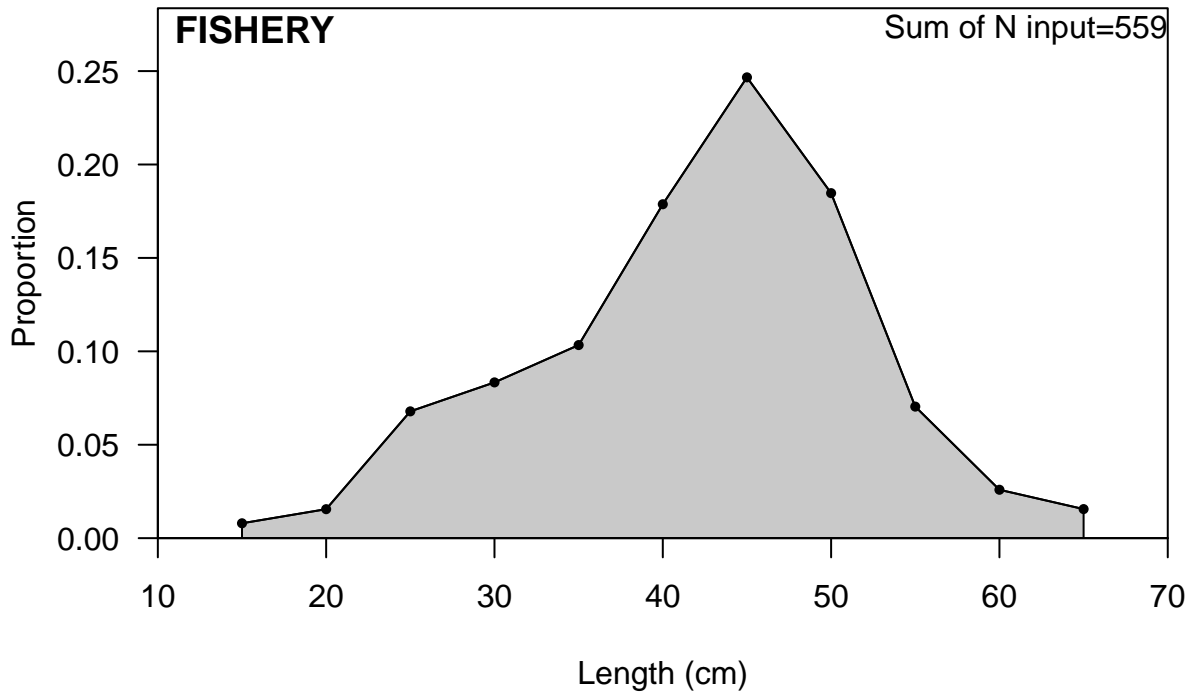
Age





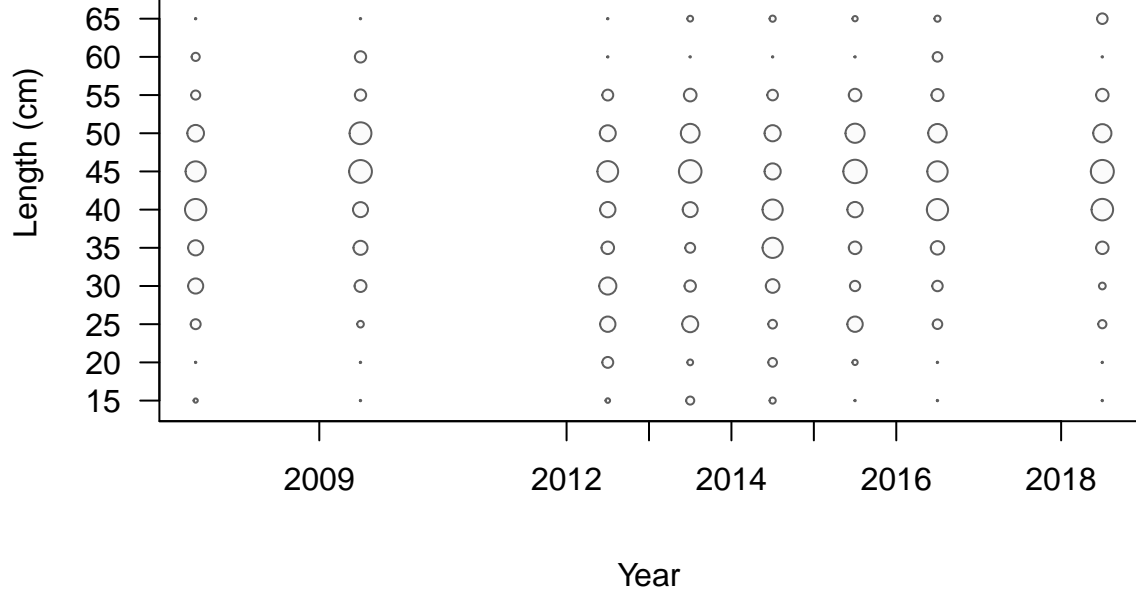




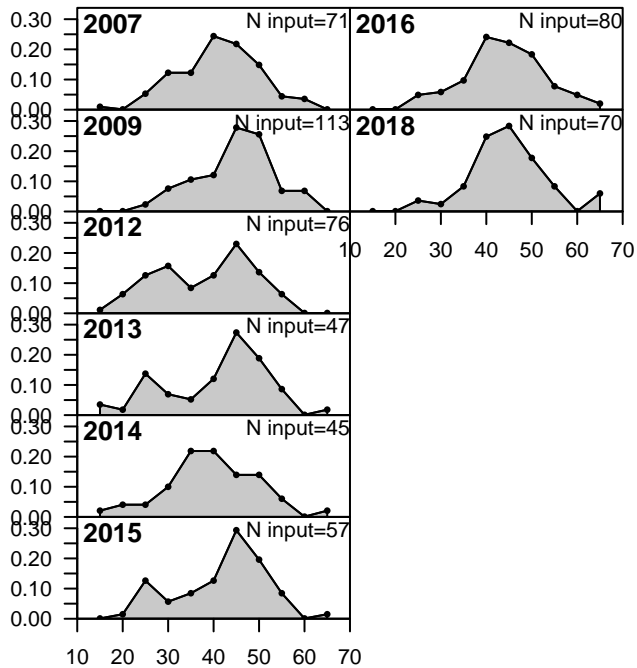


FISHERY

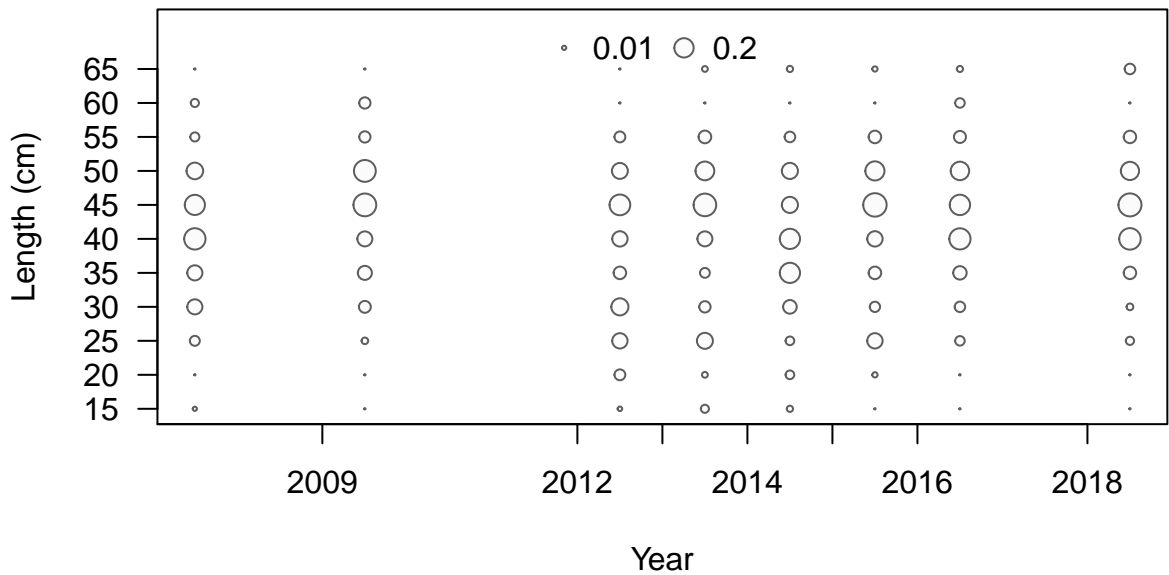
◦ 0.01 ○ 0.2



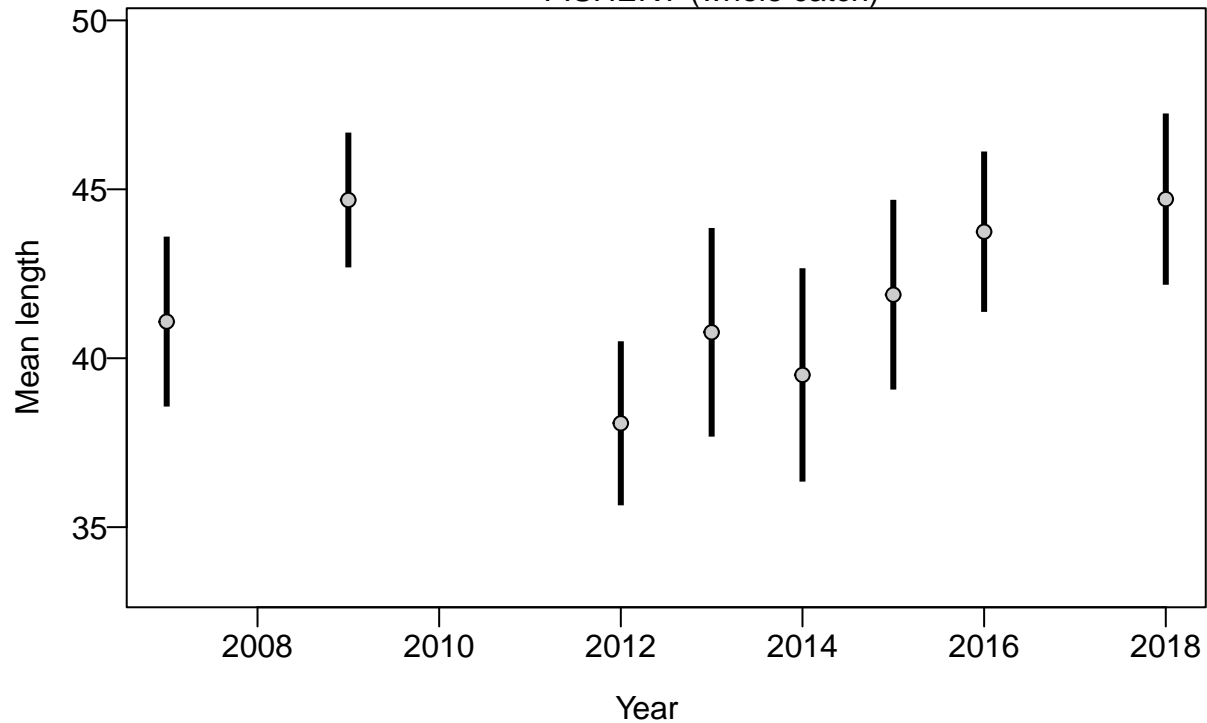
Proportion

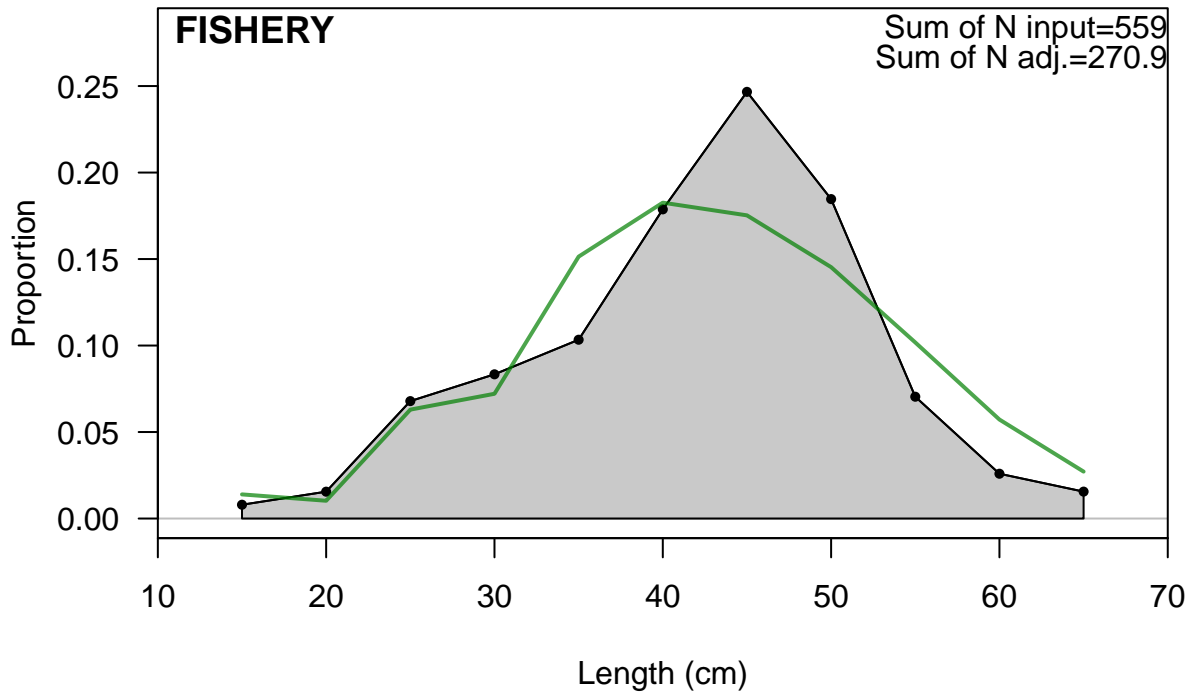


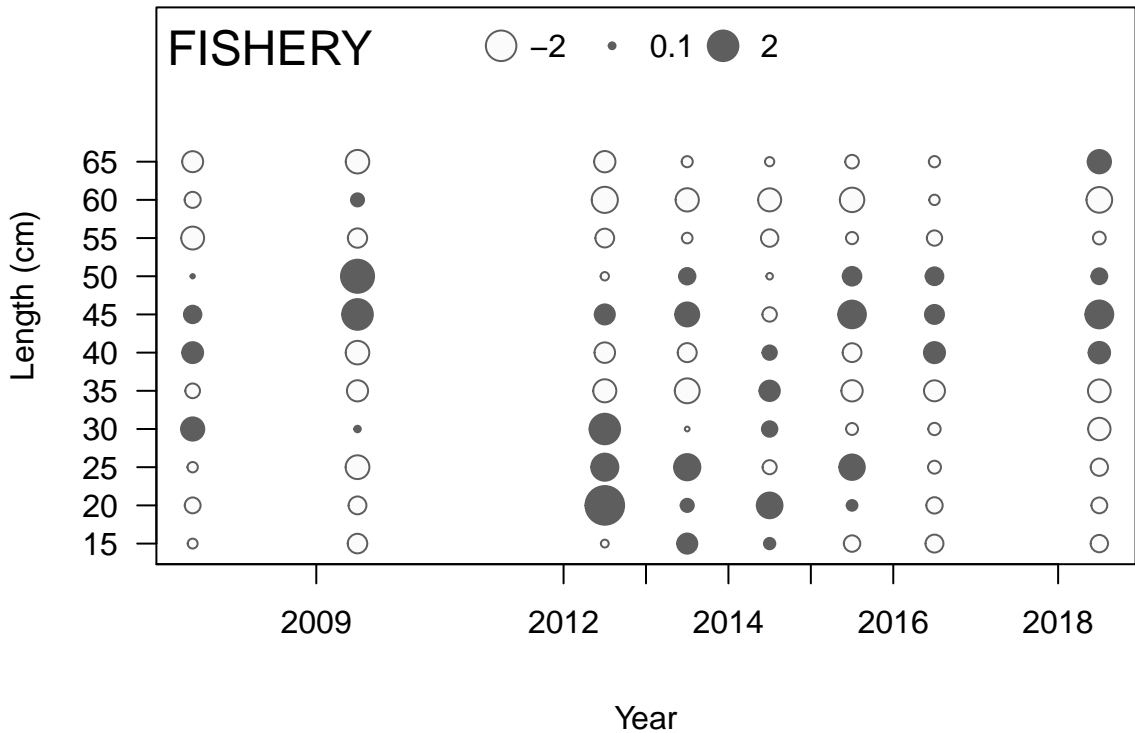
Length (cm)



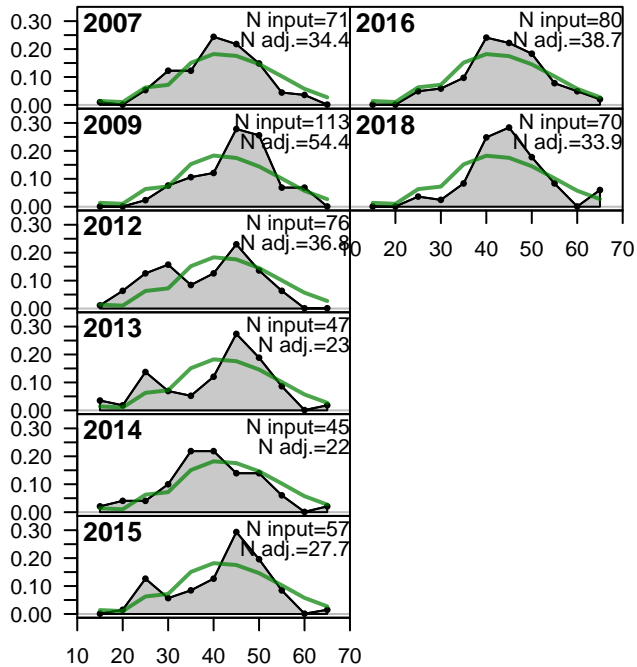
FISHERY (whole catch)



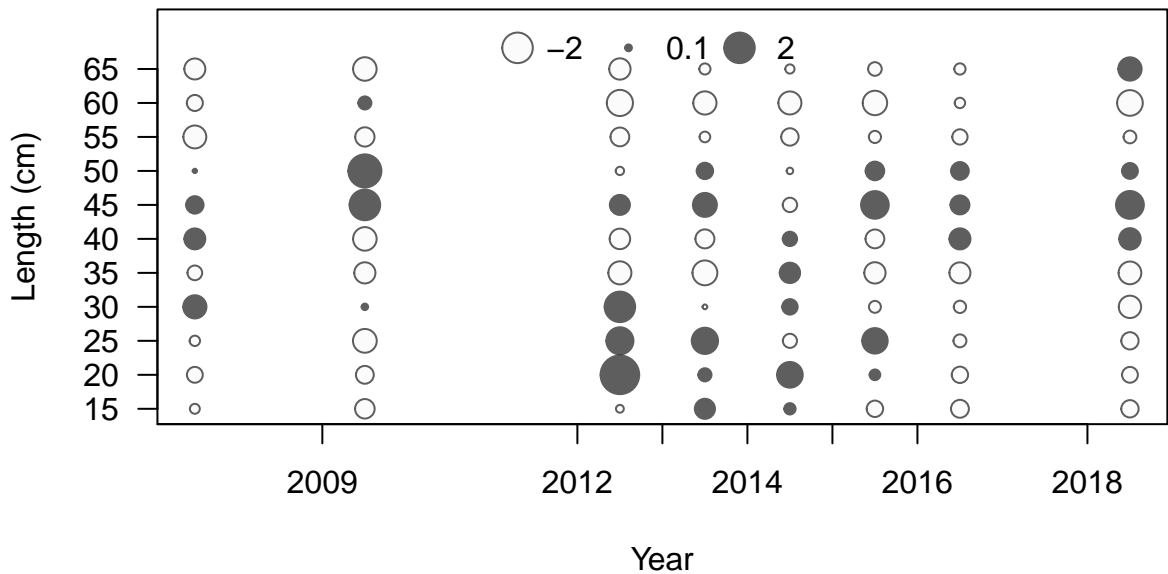




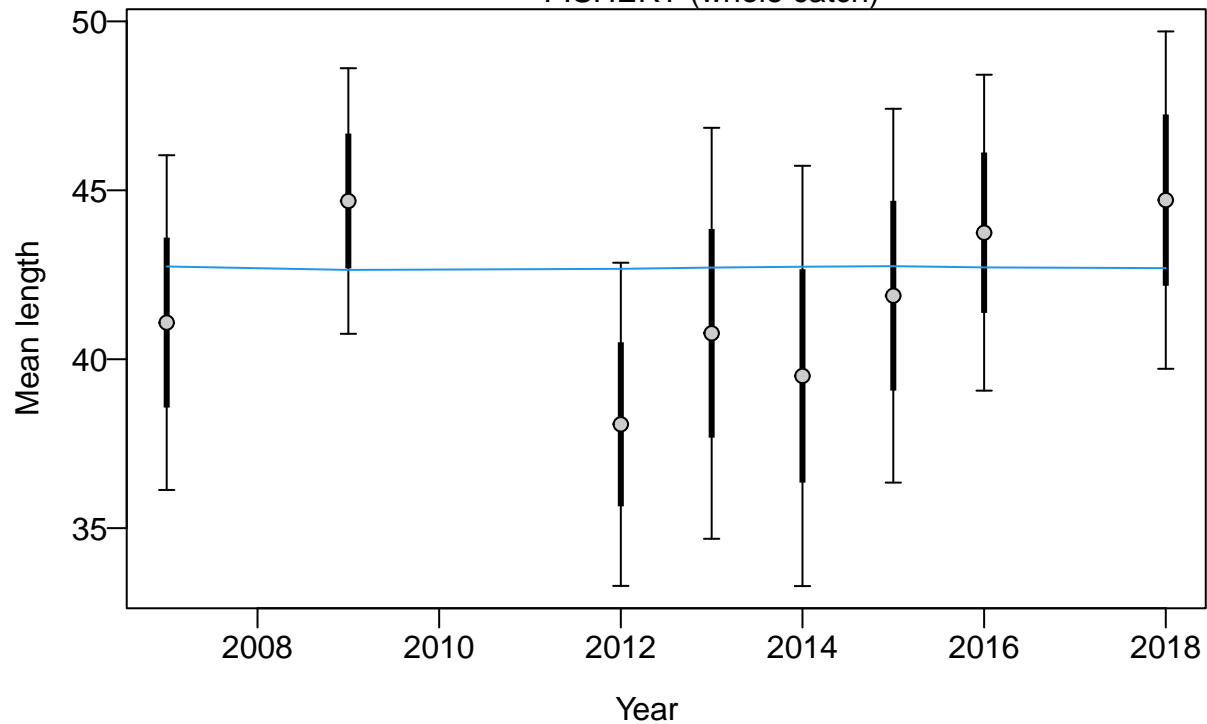
Proportion

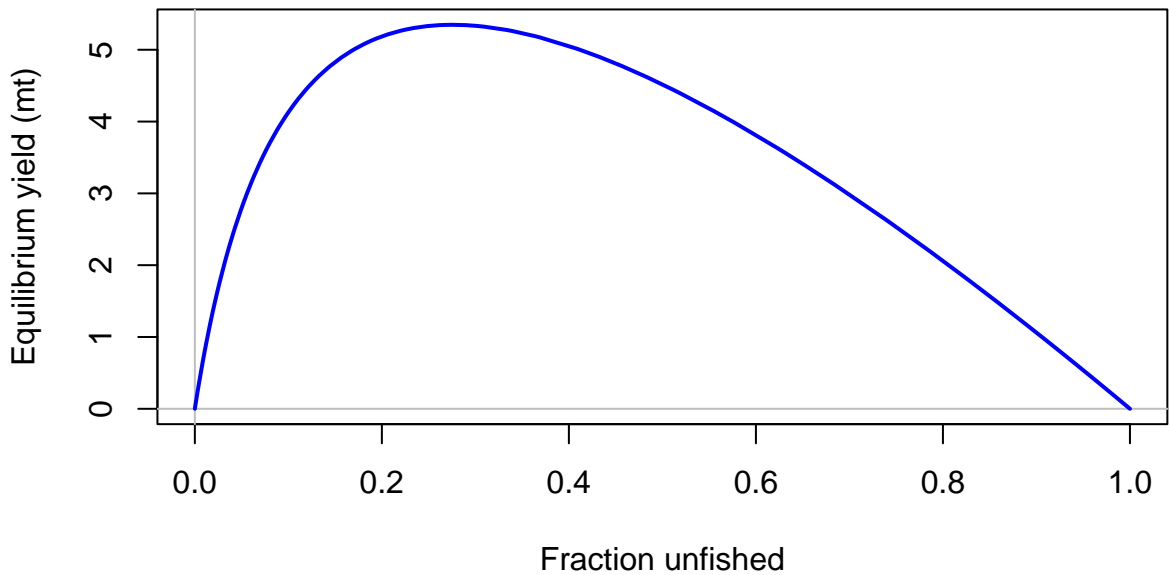


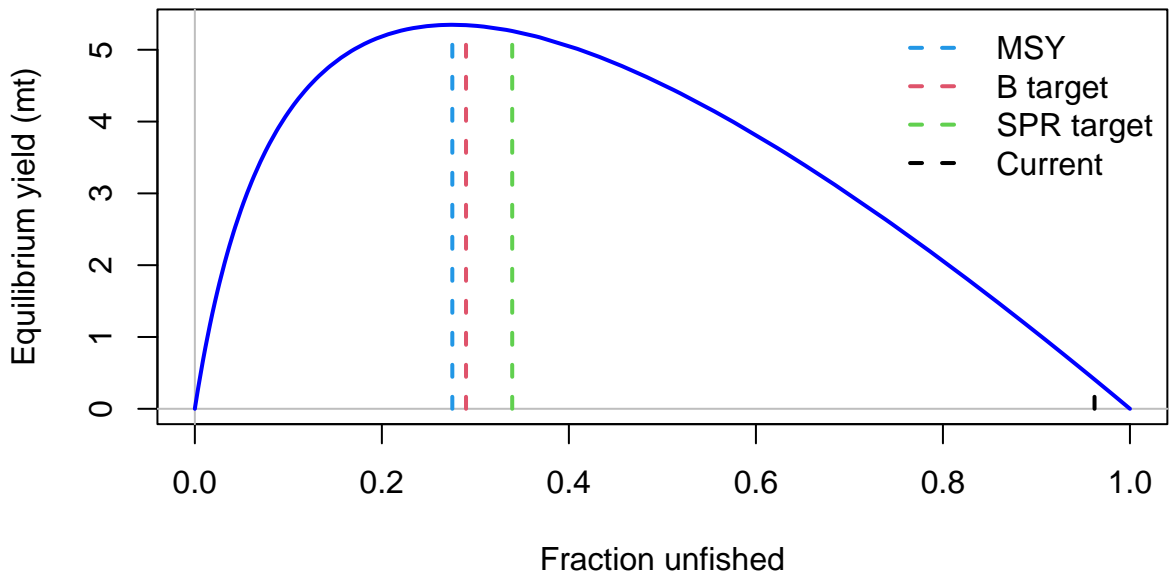
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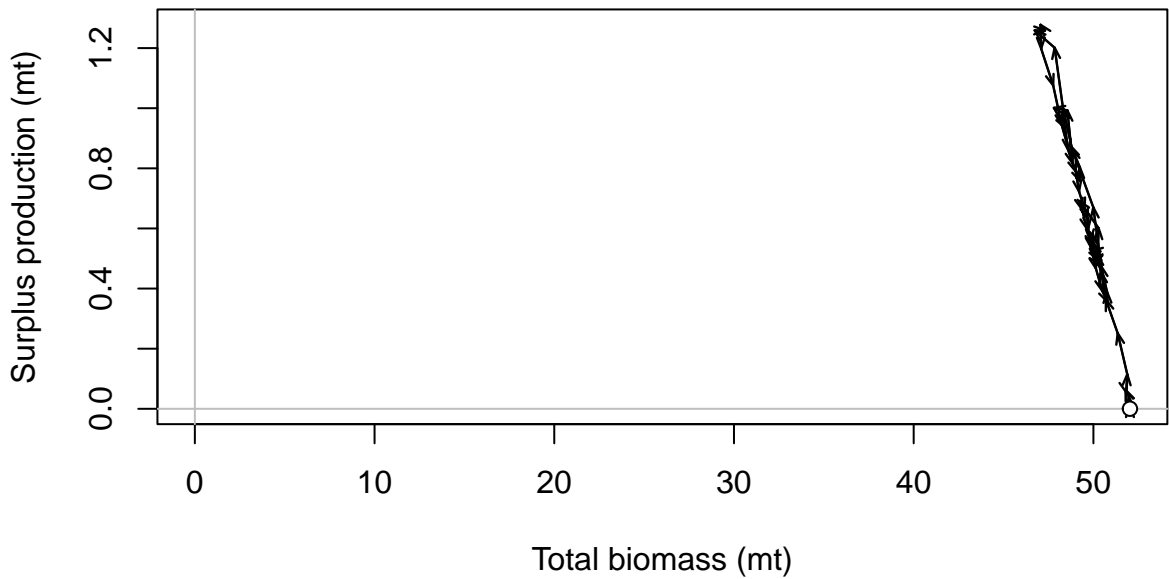


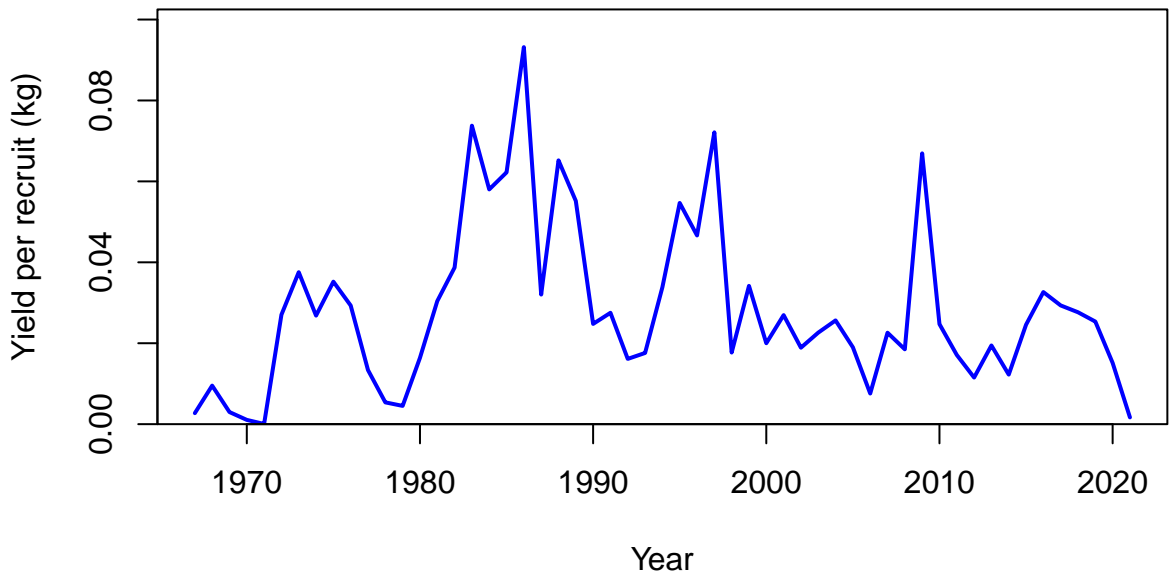
FISHERY (whole catch)

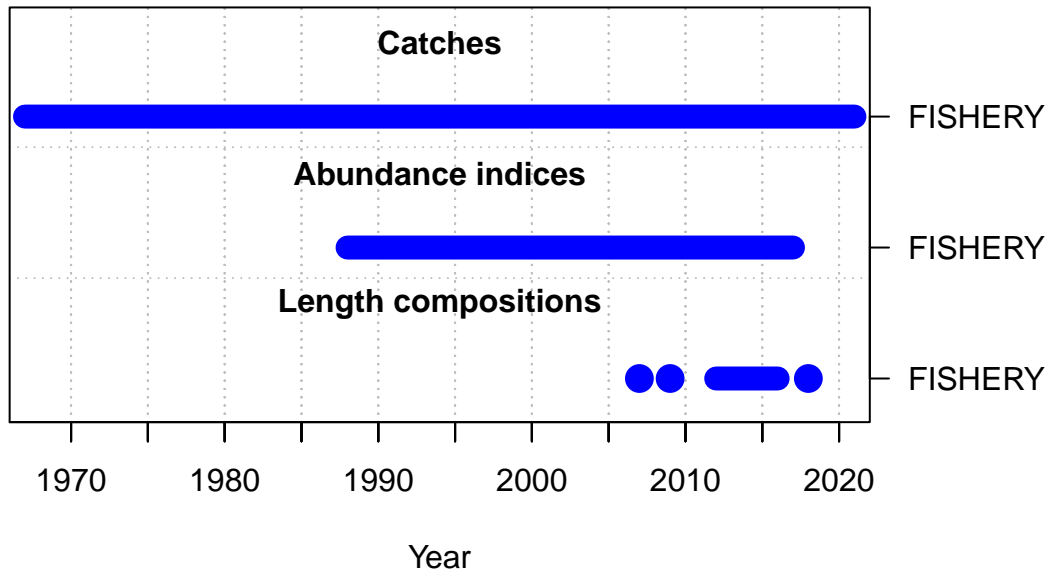


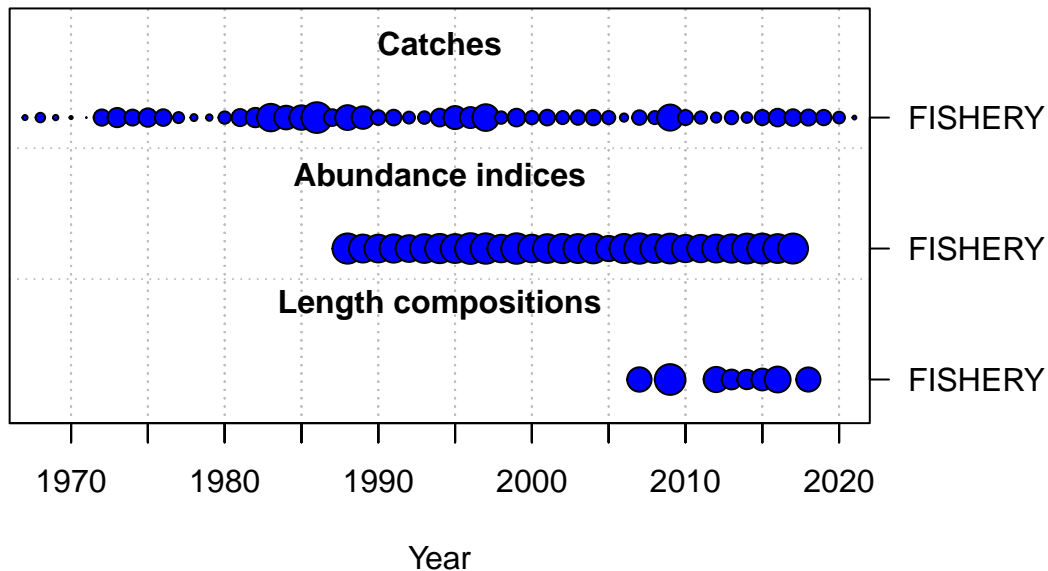




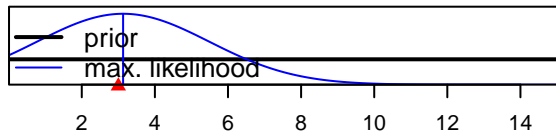




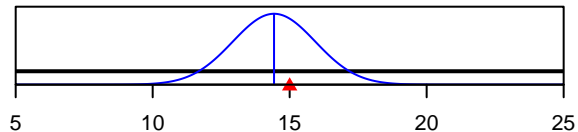




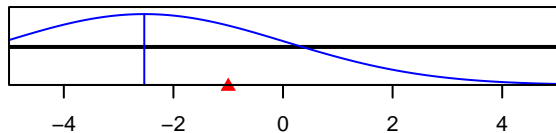
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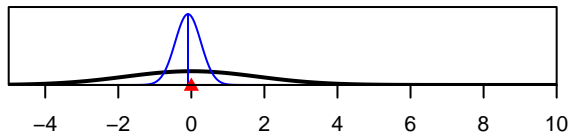
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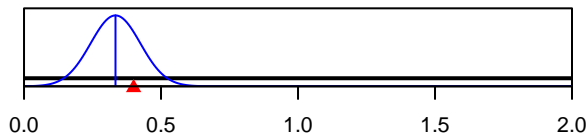
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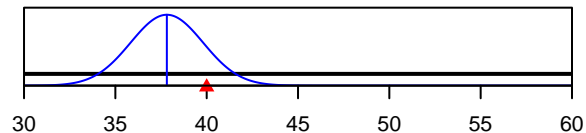
ln(DM_theta)_1



Q_extraSD_FISHERY(1)



Size_inflection_FISHERY(1)



Parameter value