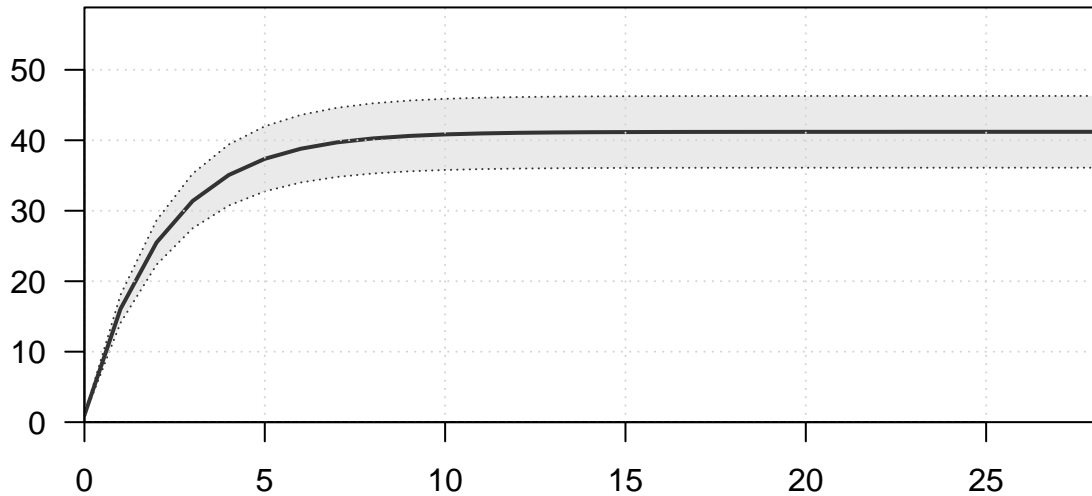


Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Sun Feb 19 14:52:06 2023  
Data\_File: data.ss  
Control\_File: control.ss

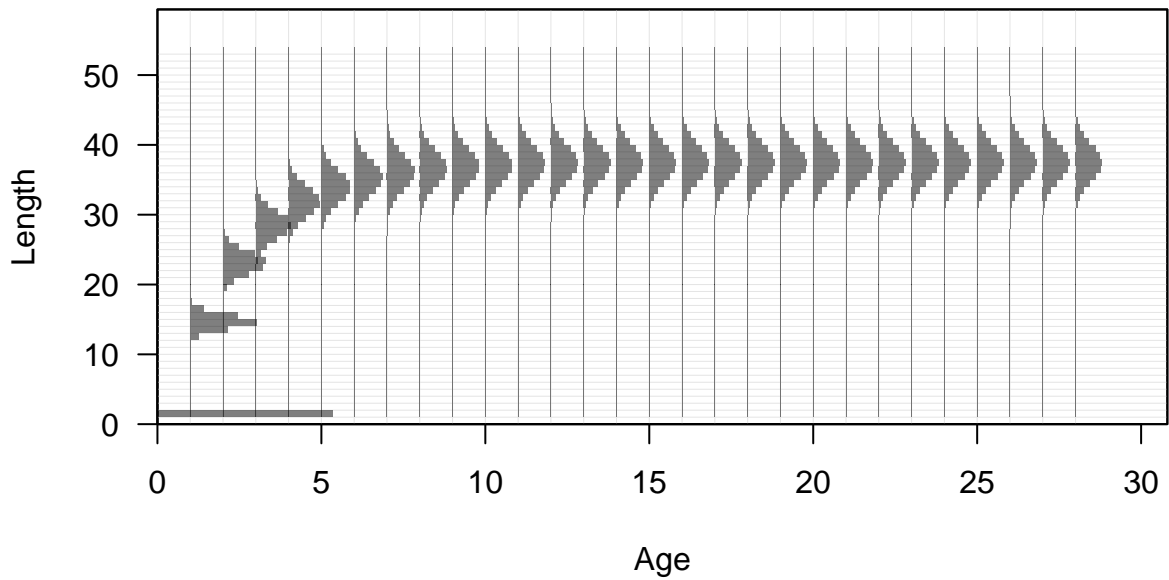
Length (cm, beginning of the year)



Age (yr)

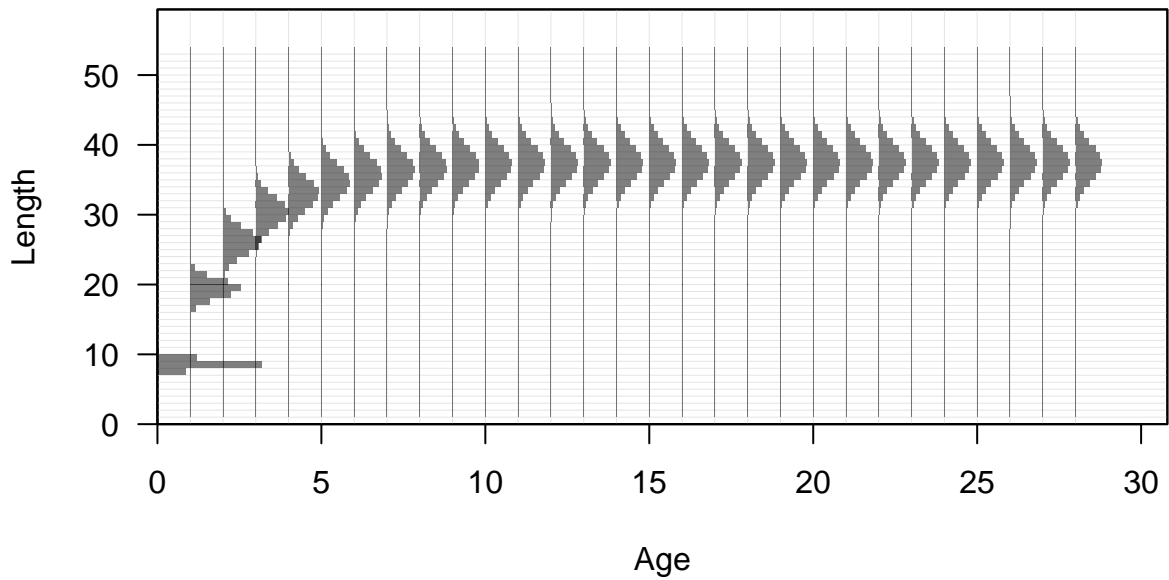










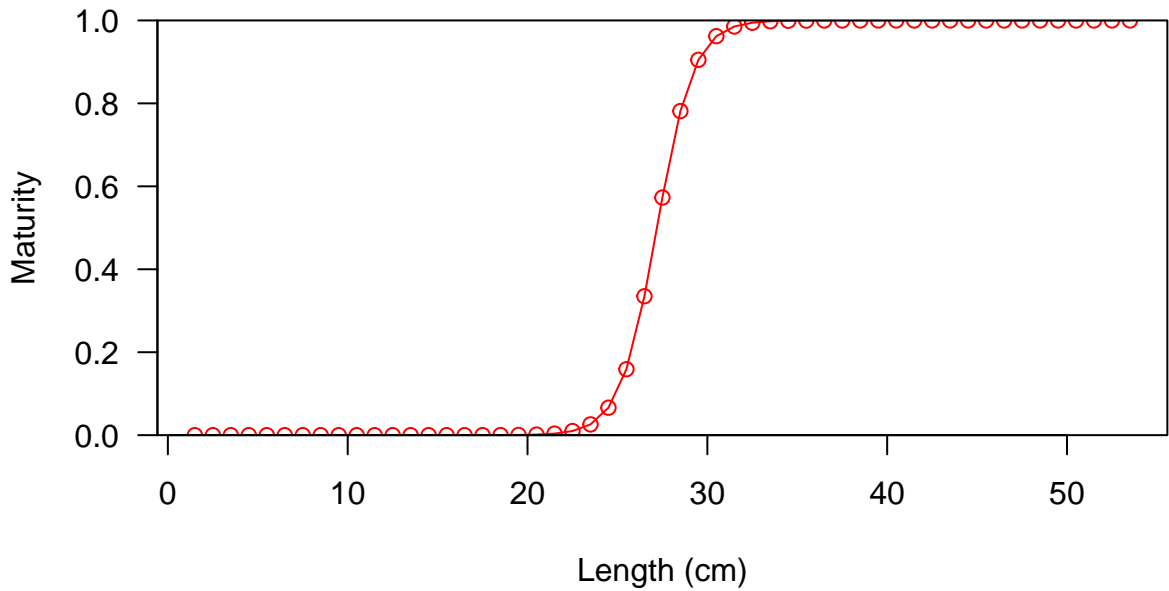














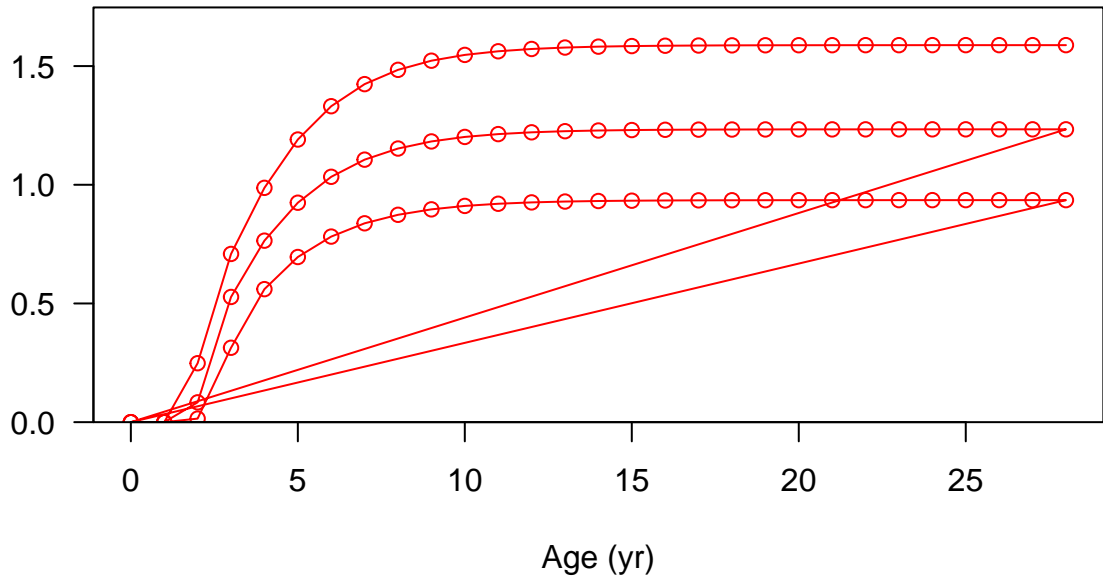




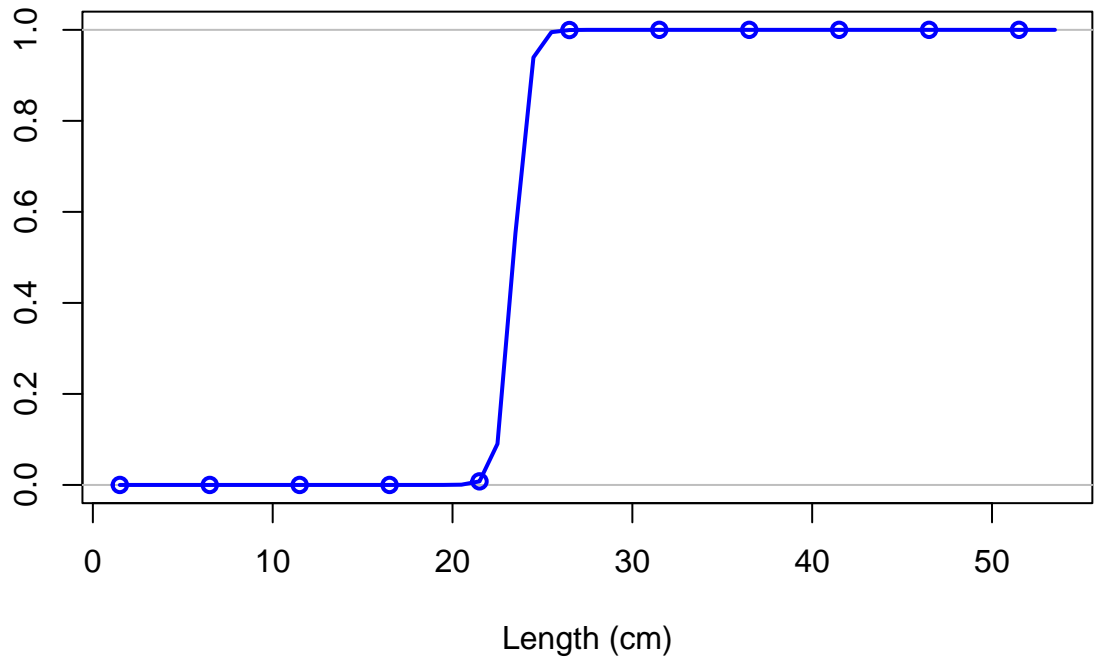




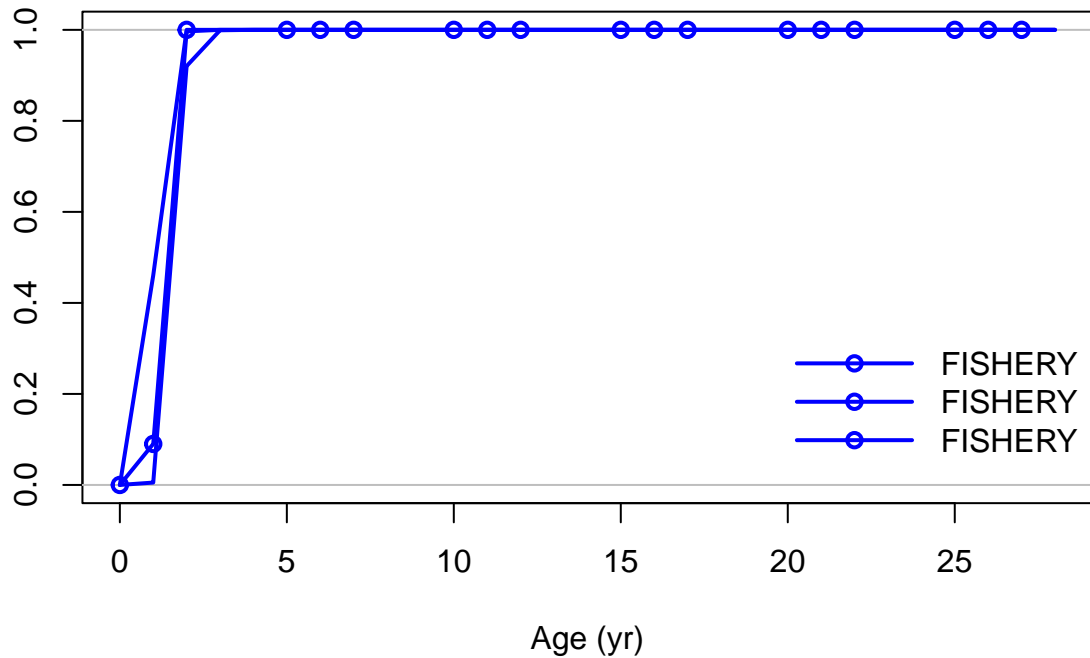
Spawning output



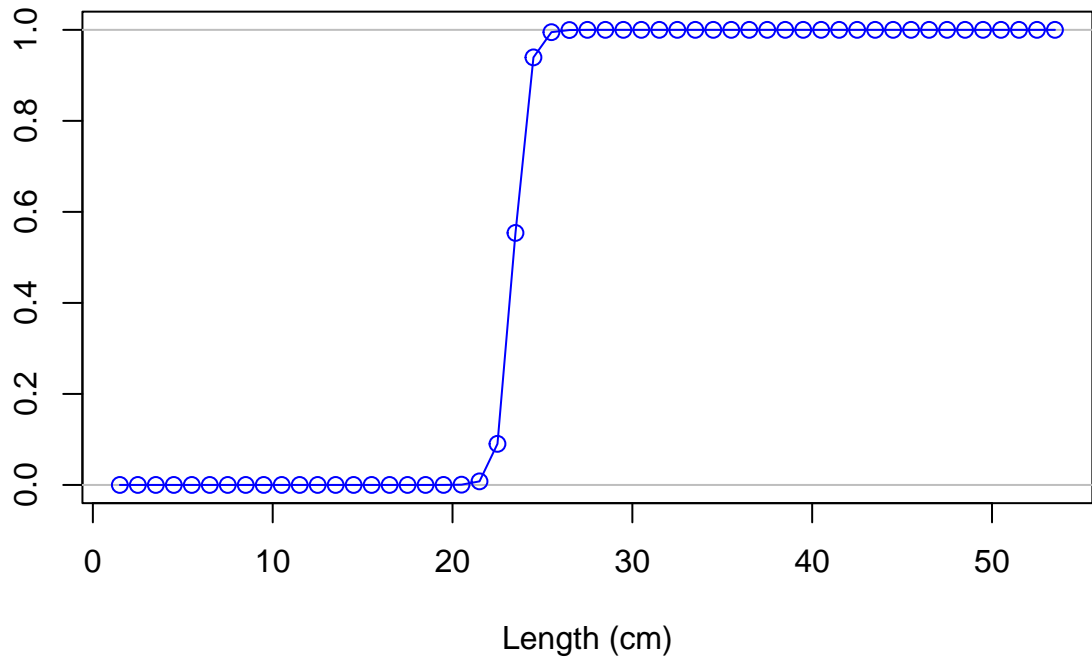
Selectivity

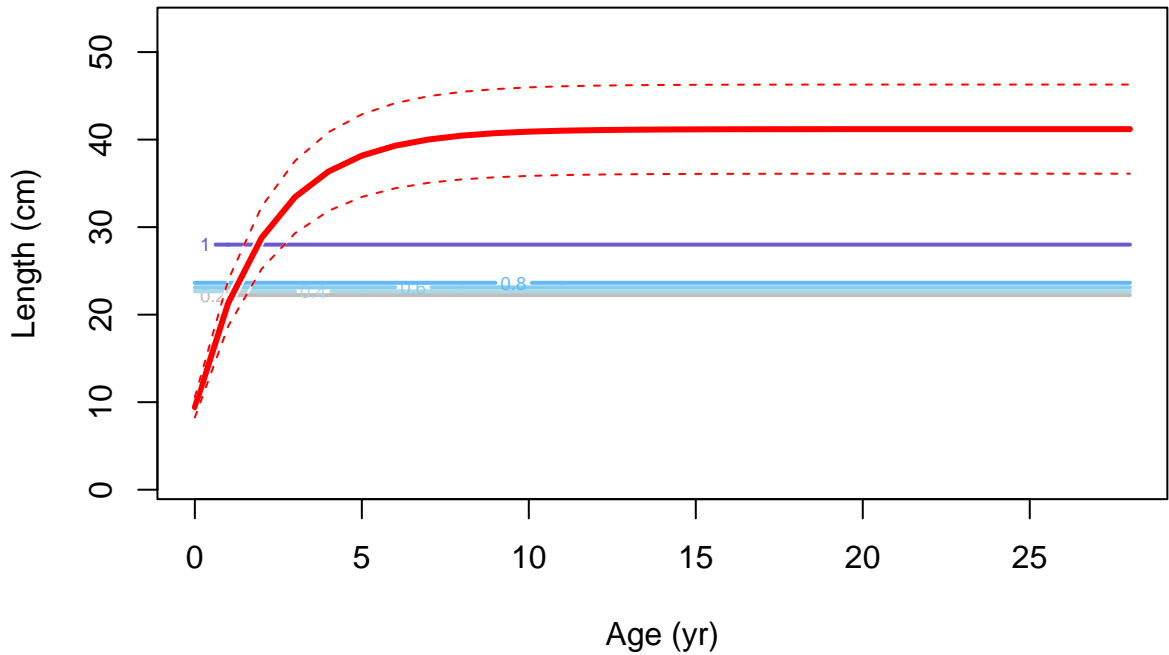


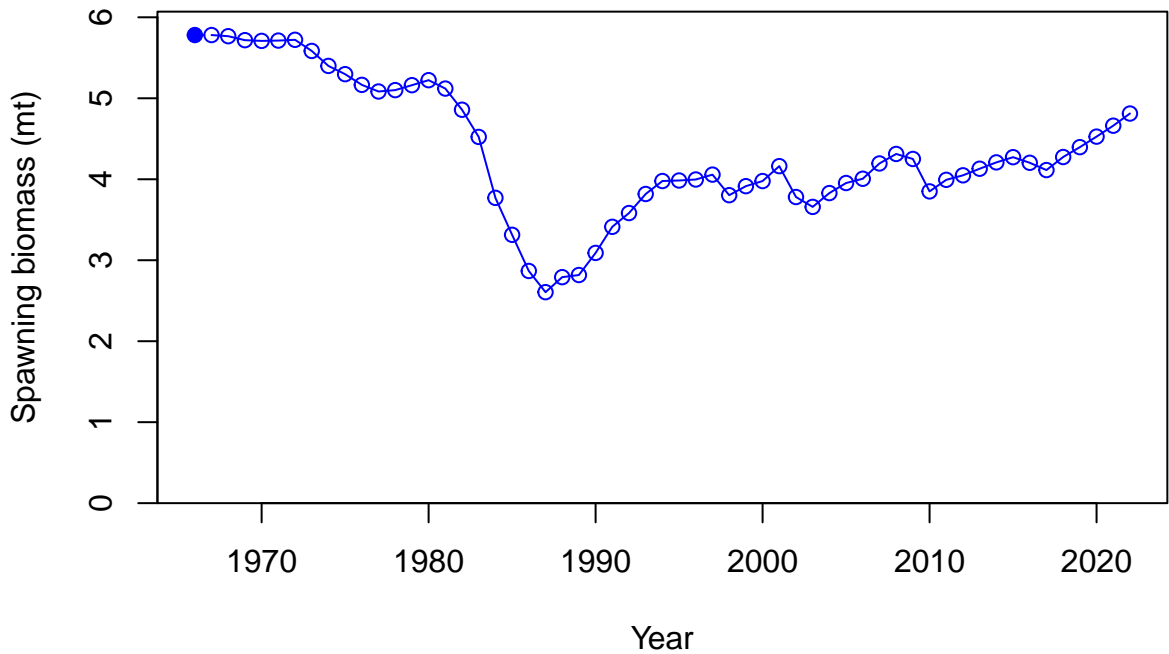
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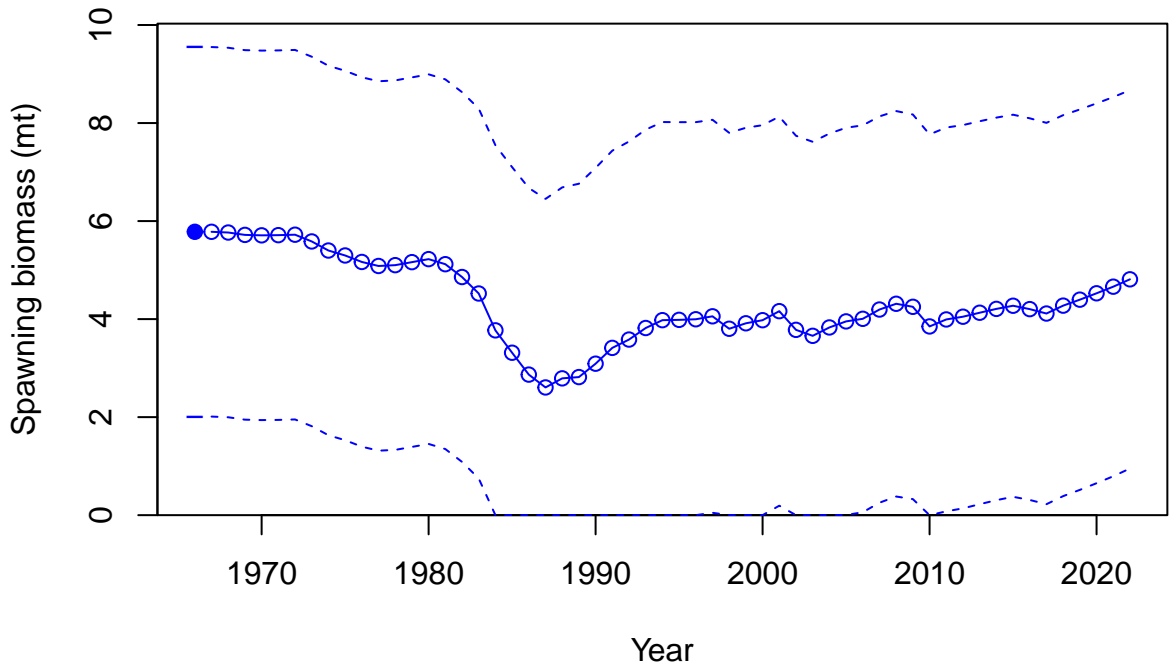


Selectivity

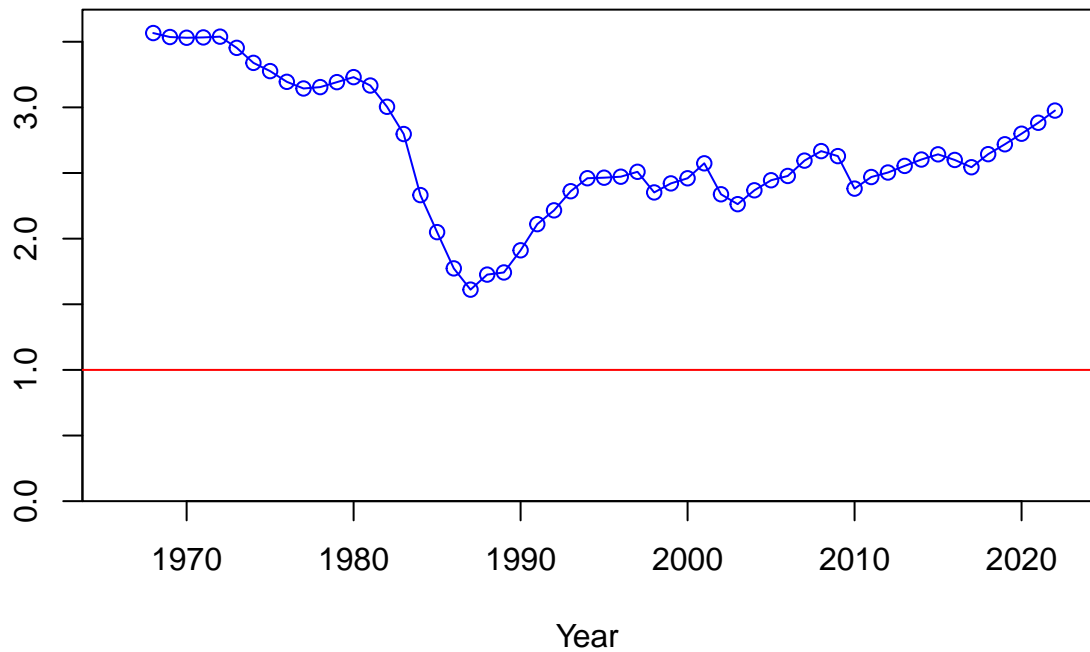






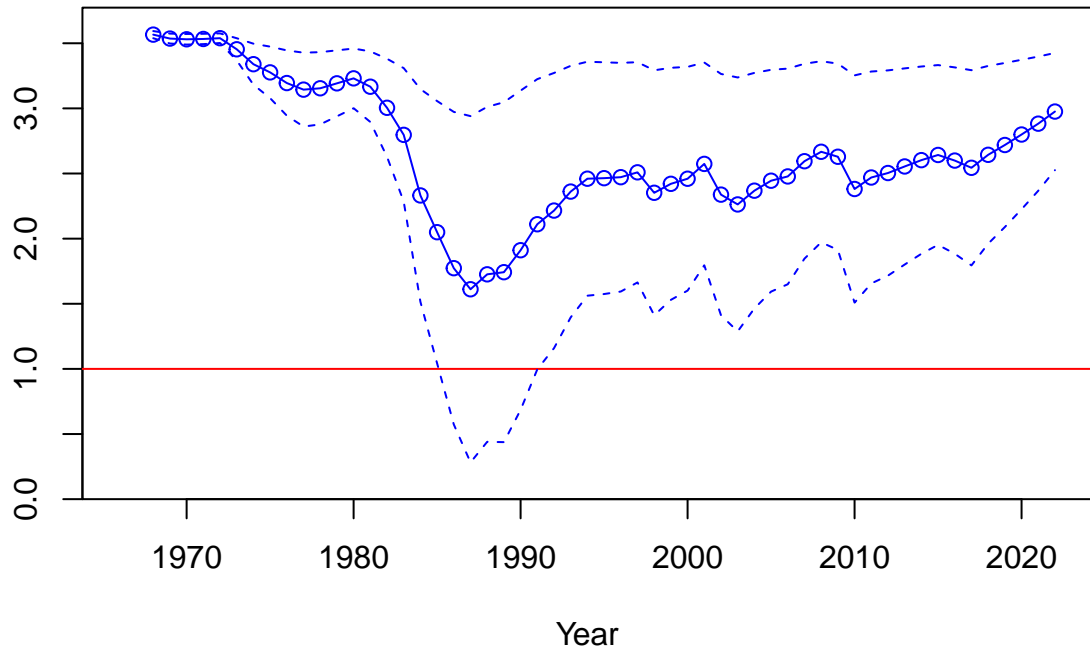


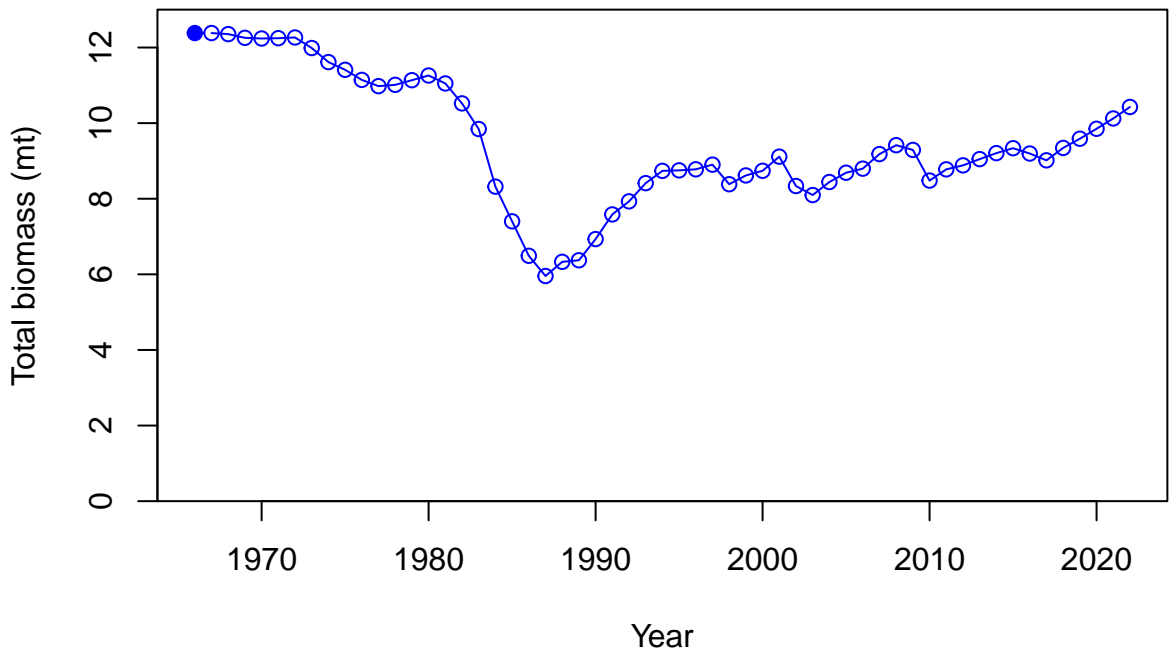
Relative spawning biomass:  $B/B_{MSY}$

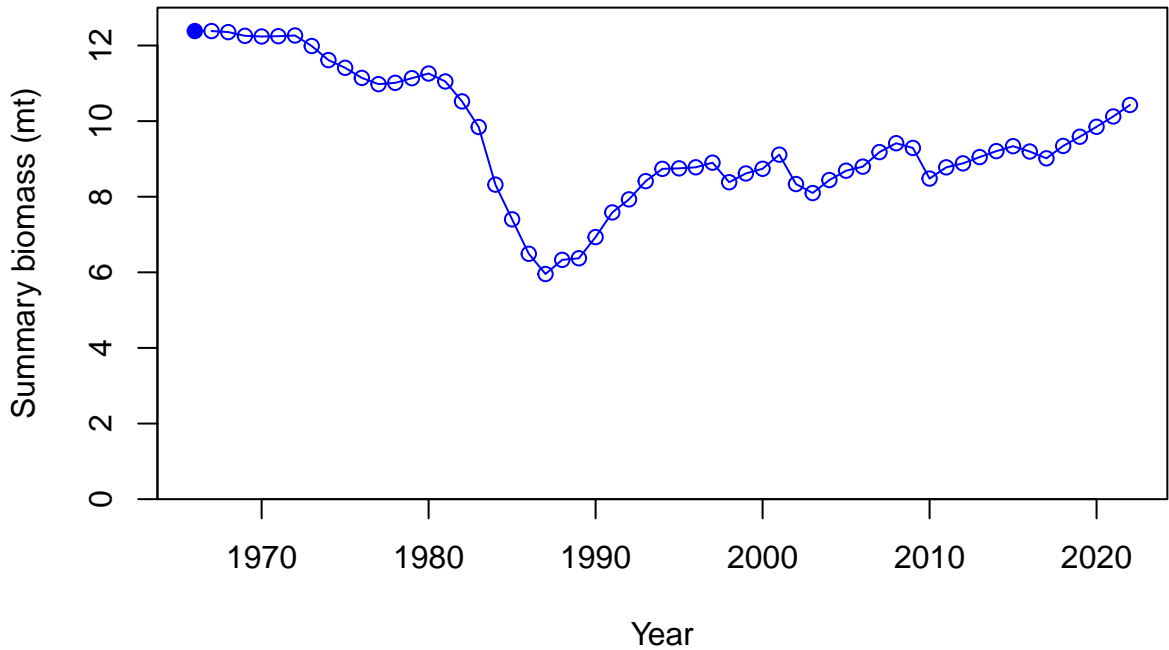




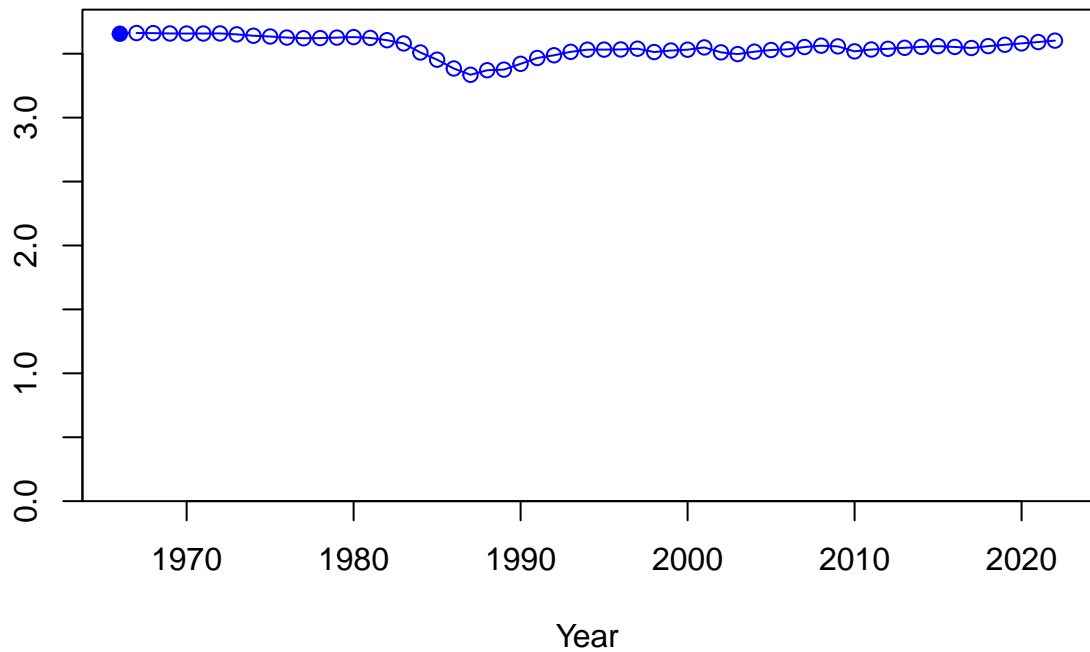
Relative spawning biomass:  $B/B_{MSY}$



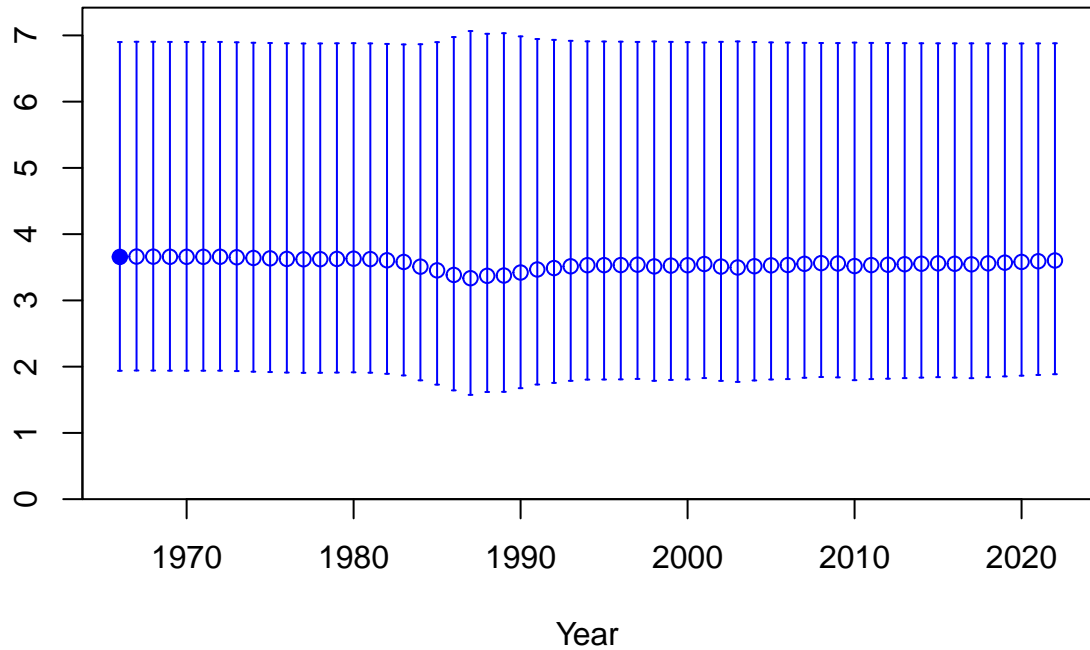




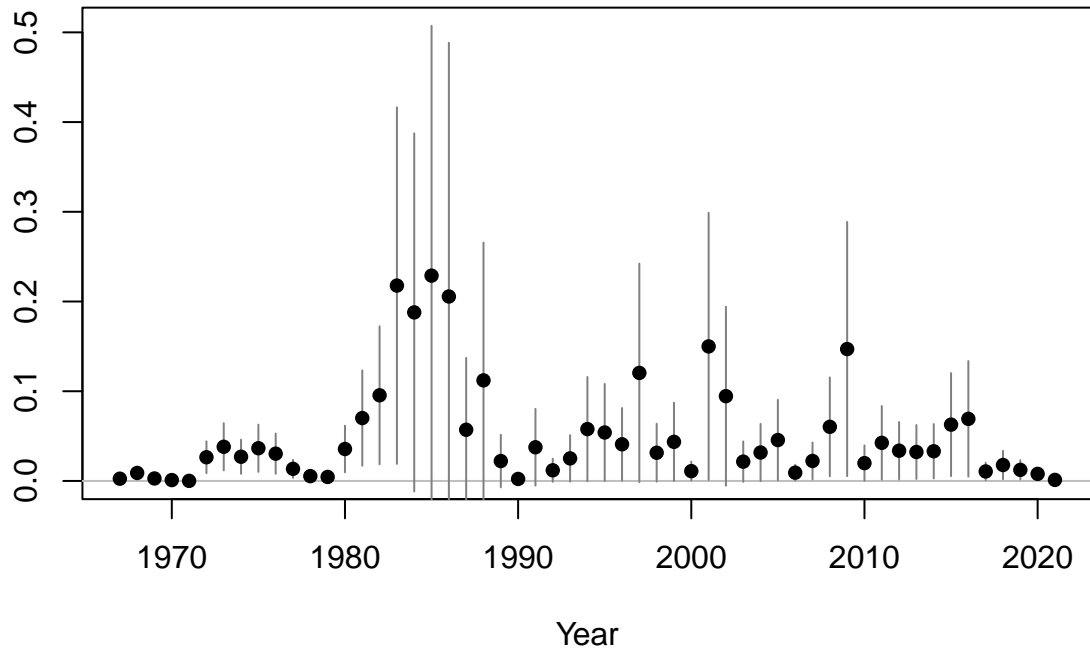
Age-0 recruits (1,000s)

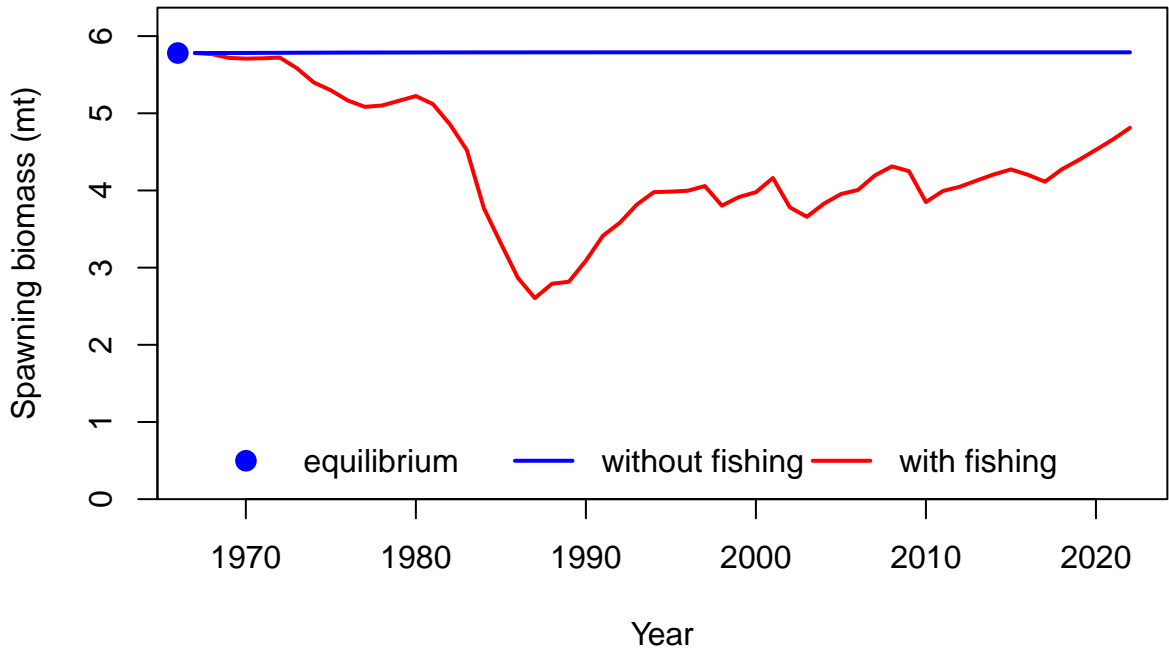


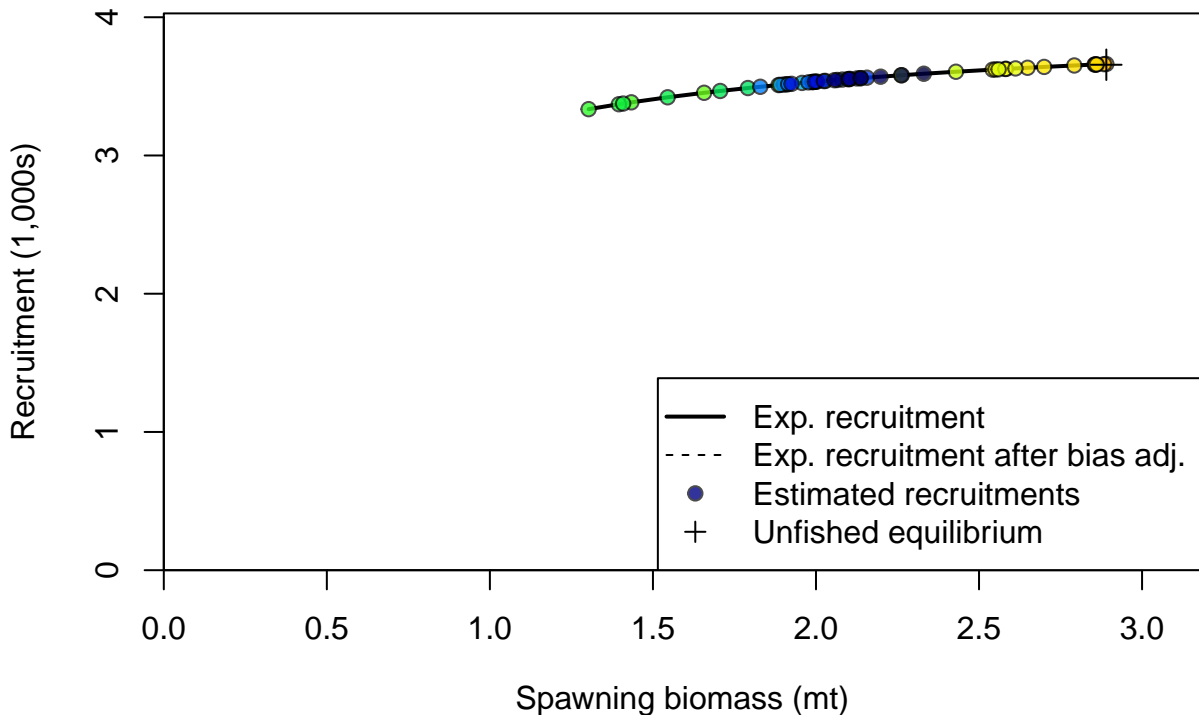
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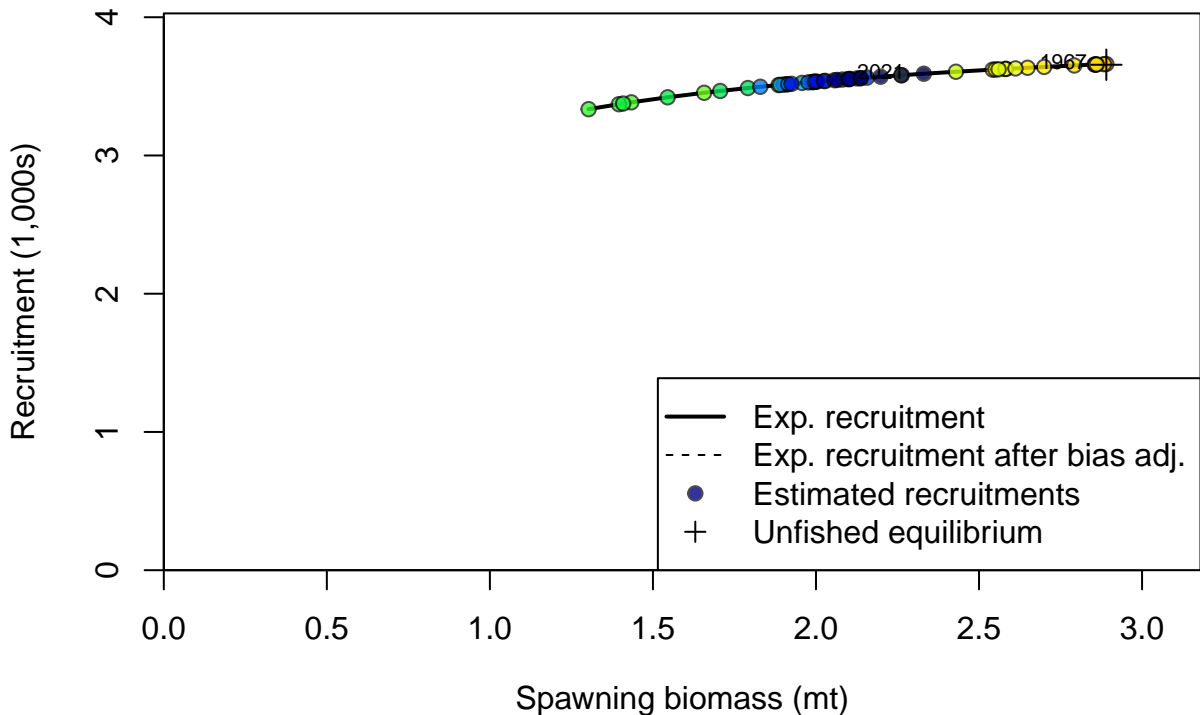
Summary Fishing Mortality

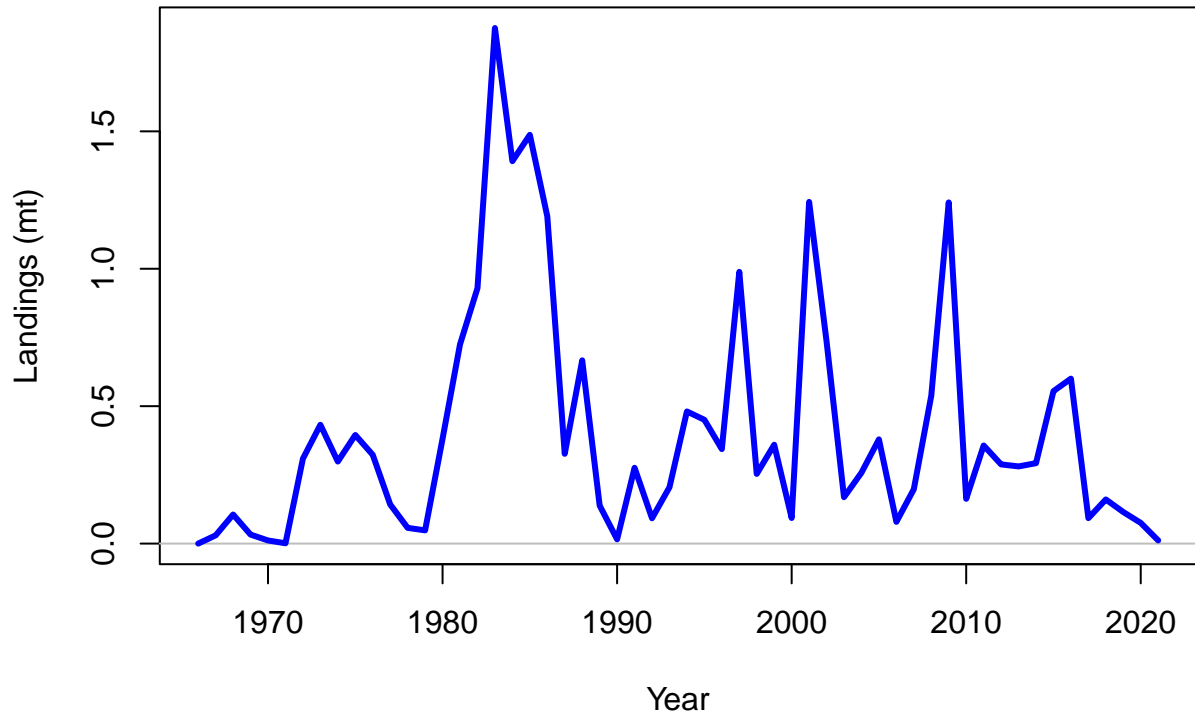


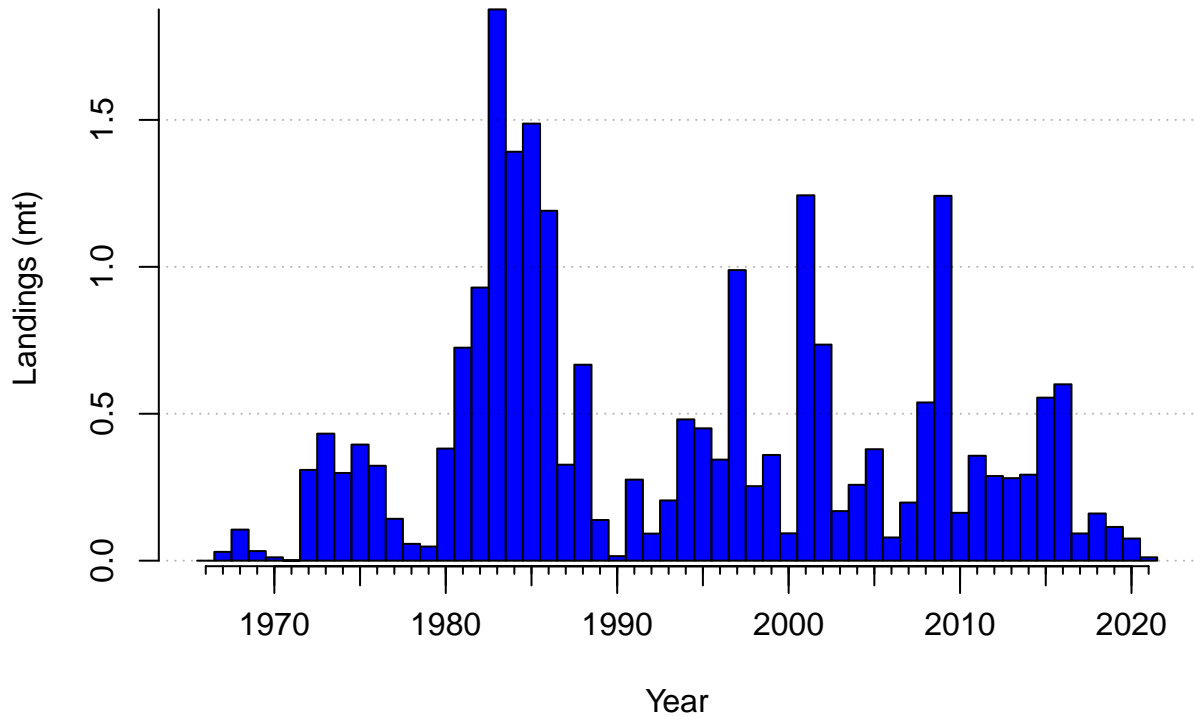


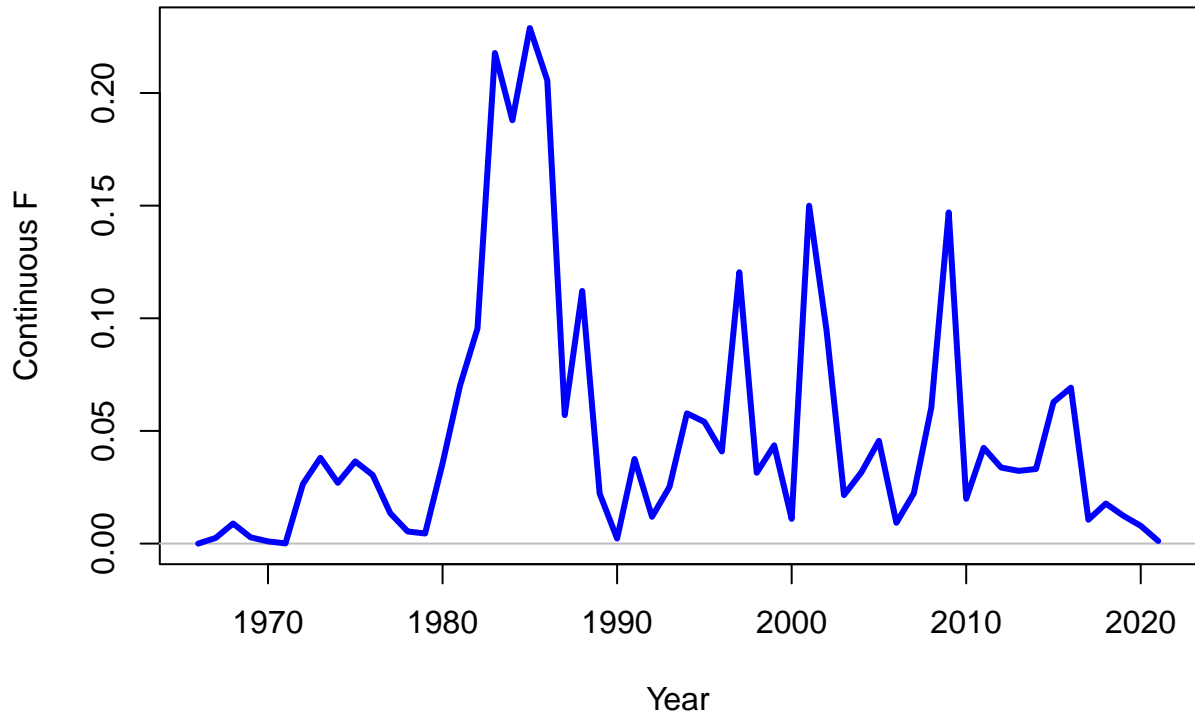




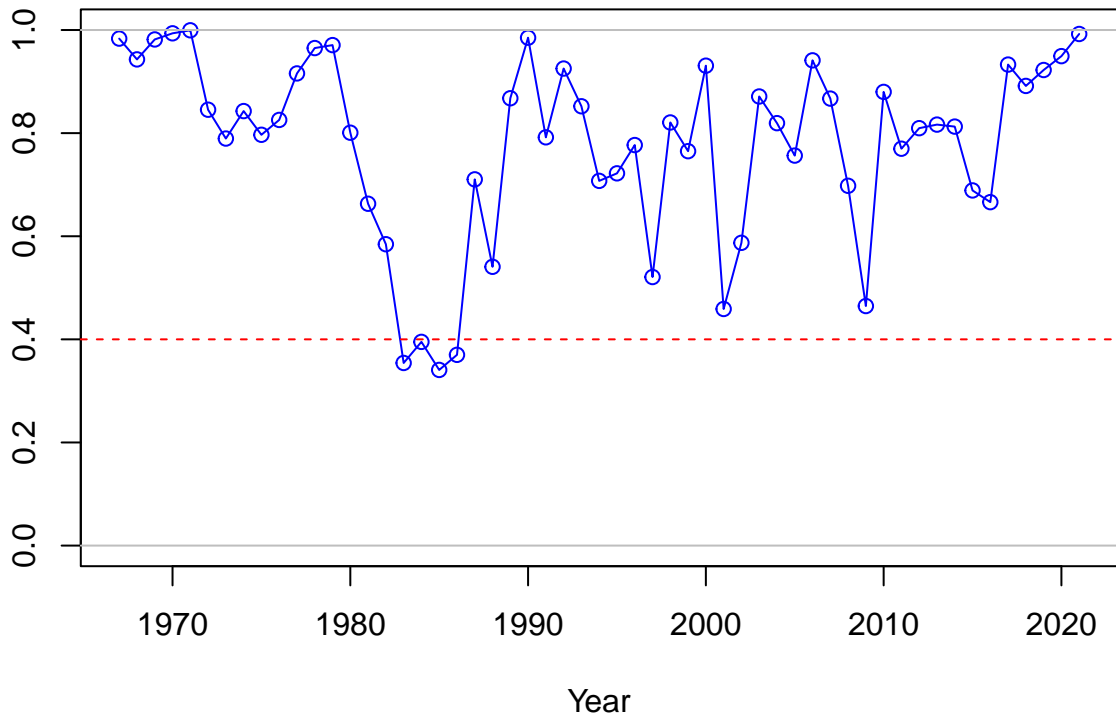




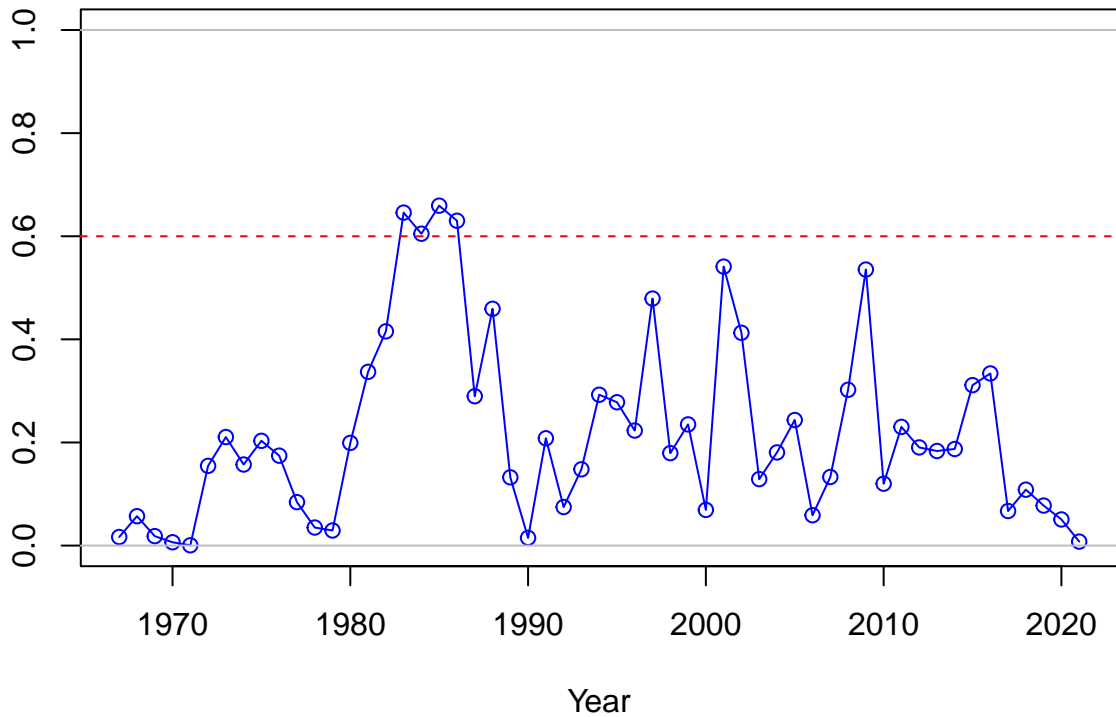




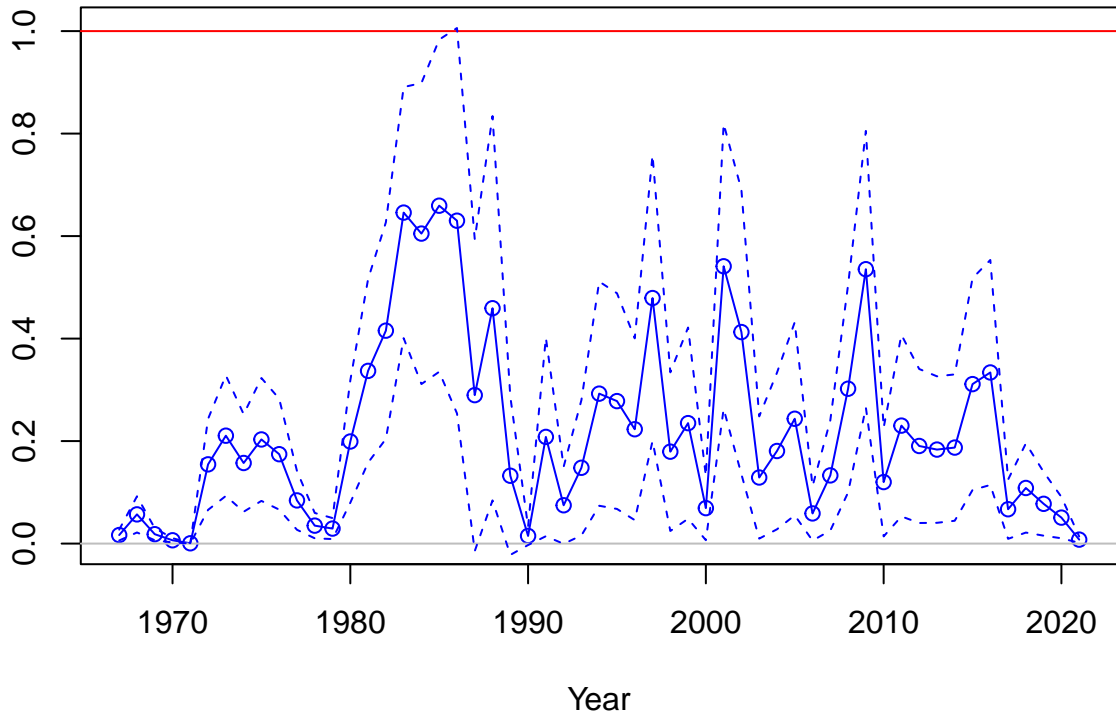
SPR



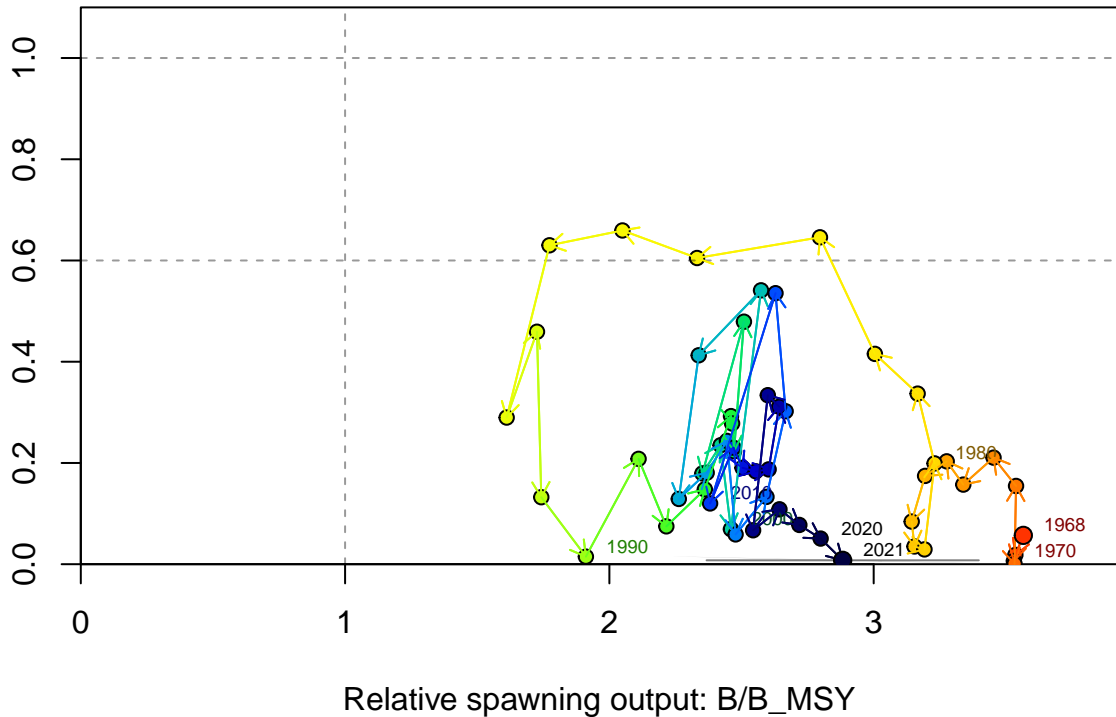
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR





Index

10  
8  
6  
4  
2  
0

1990

1995

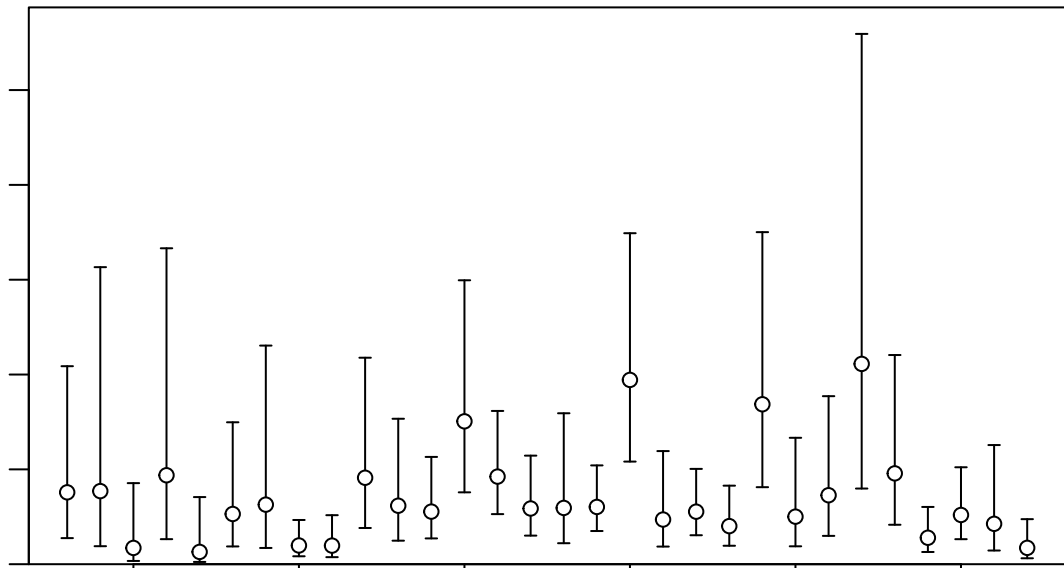
2000

2005

2010

2015

Year



Index

10  
8  
6  
4  
2  
0

1990

1995

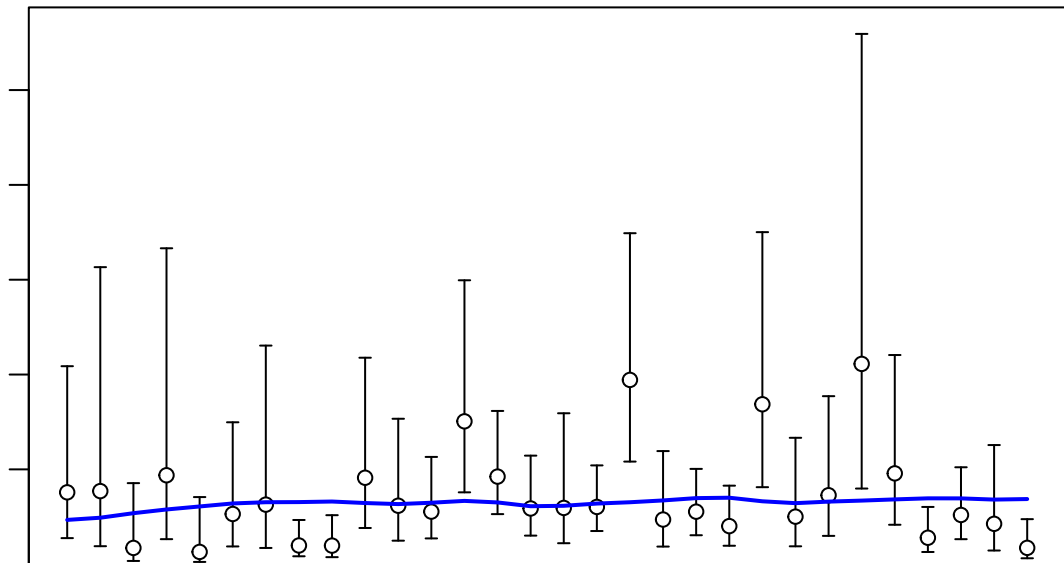
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2005

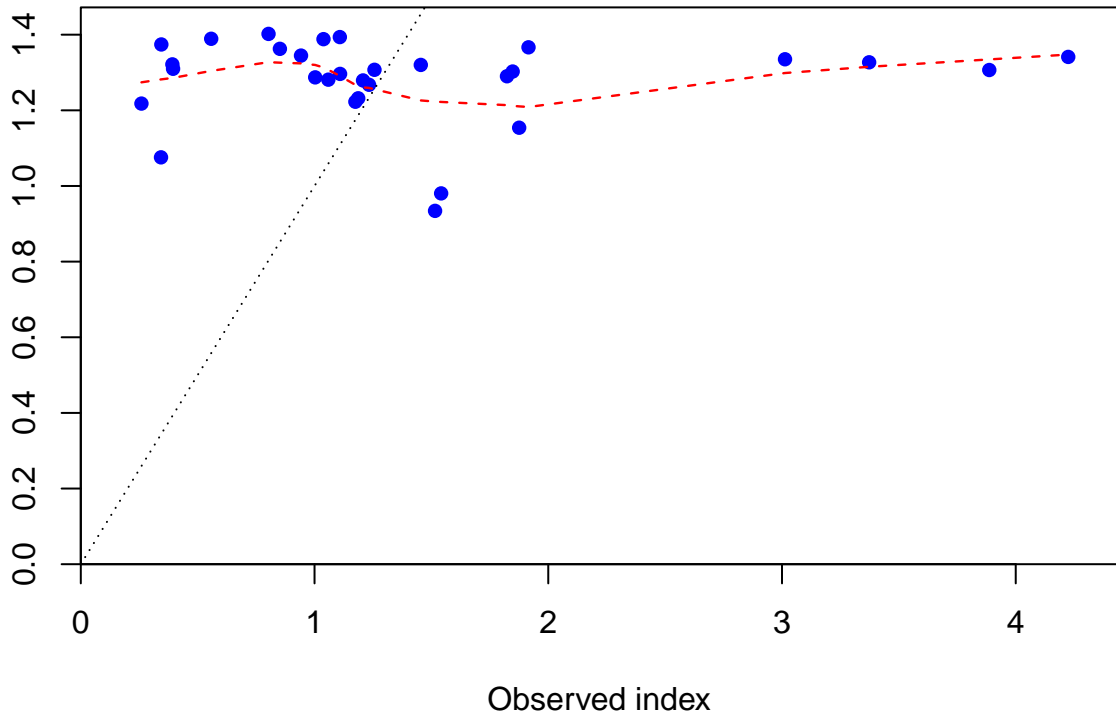
2010

2015

Year



Expected index



Log index

2  
1  
0  
-1  
-2  
-3

1990

1995

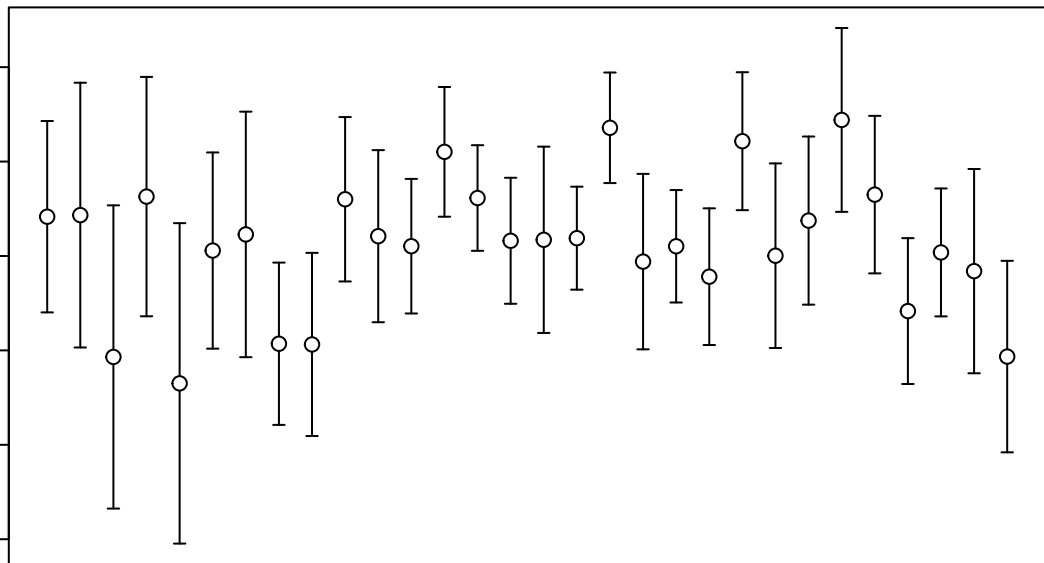
2000

2005

2010

2015

Year



Log index

2  
1  
0  
-1  
-2  
-3

1990

1995

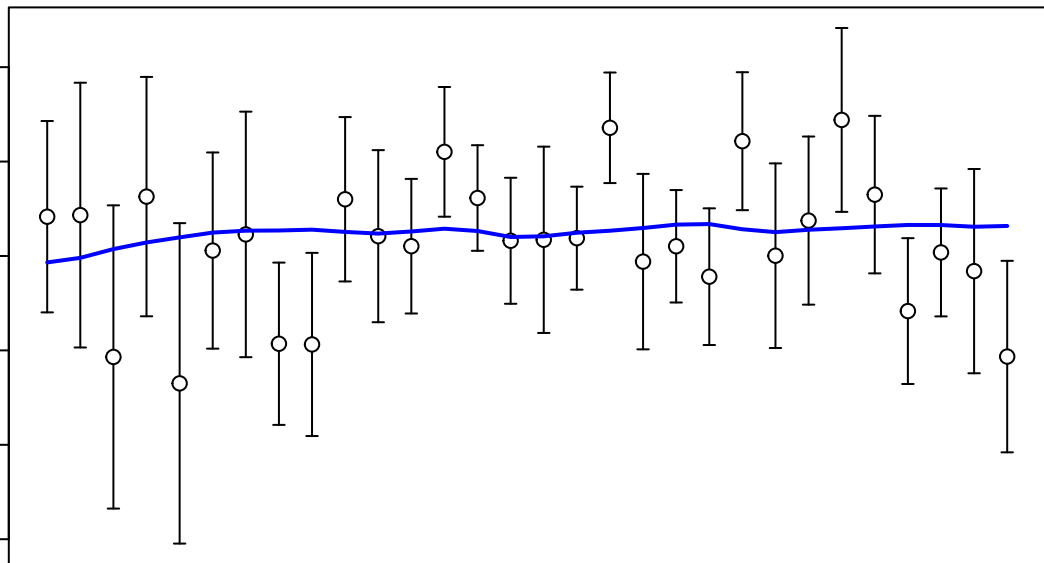
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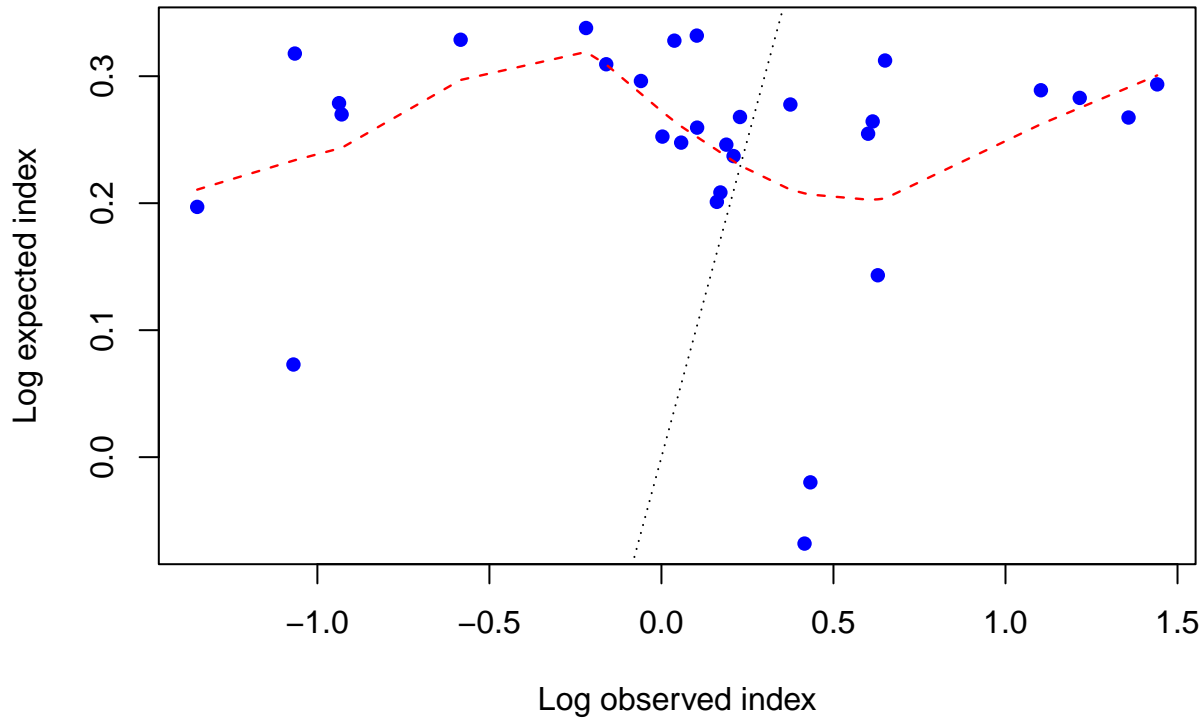
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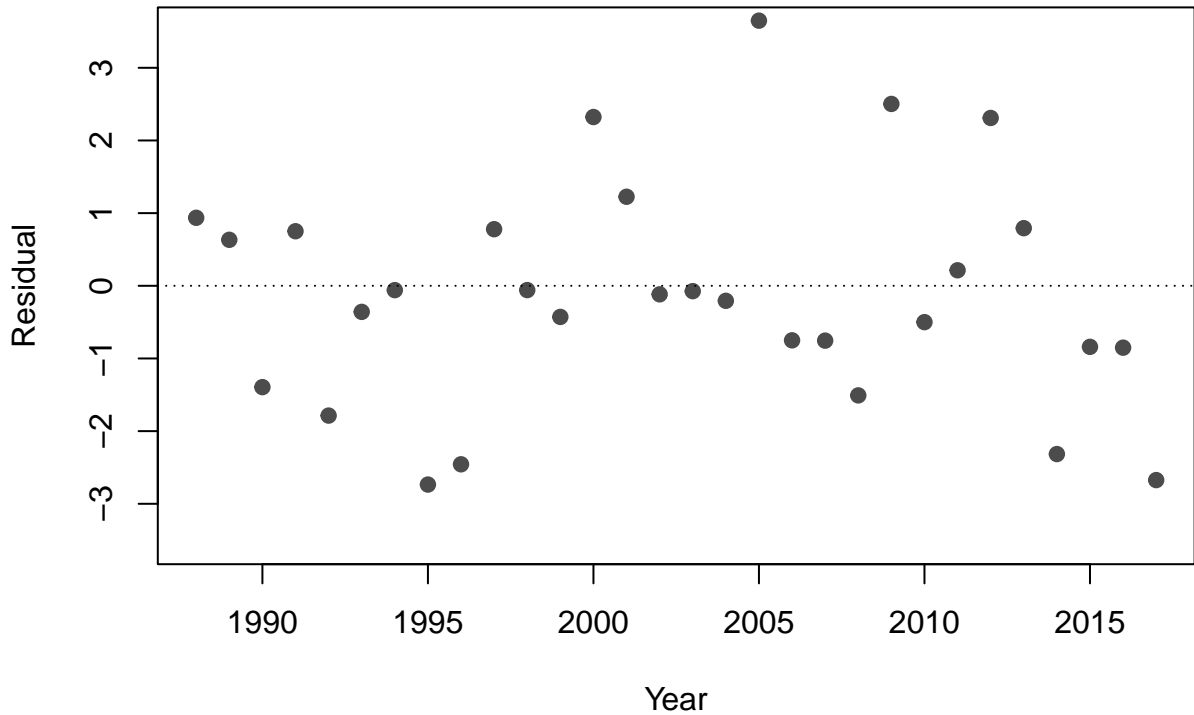
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2015

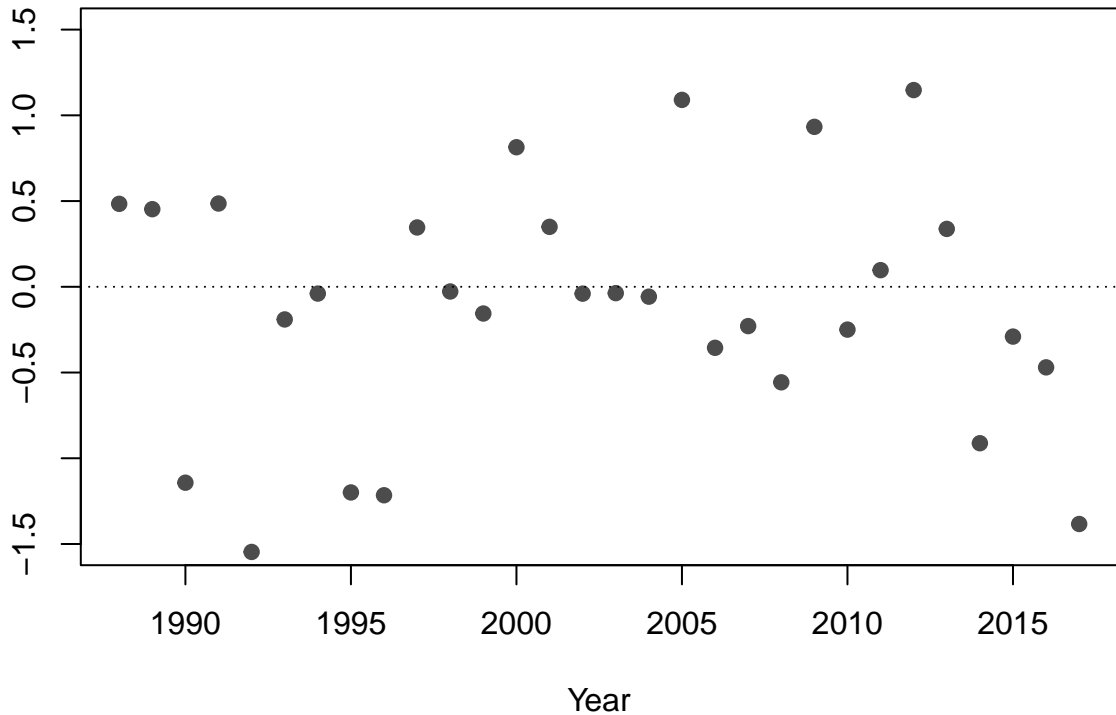
Year



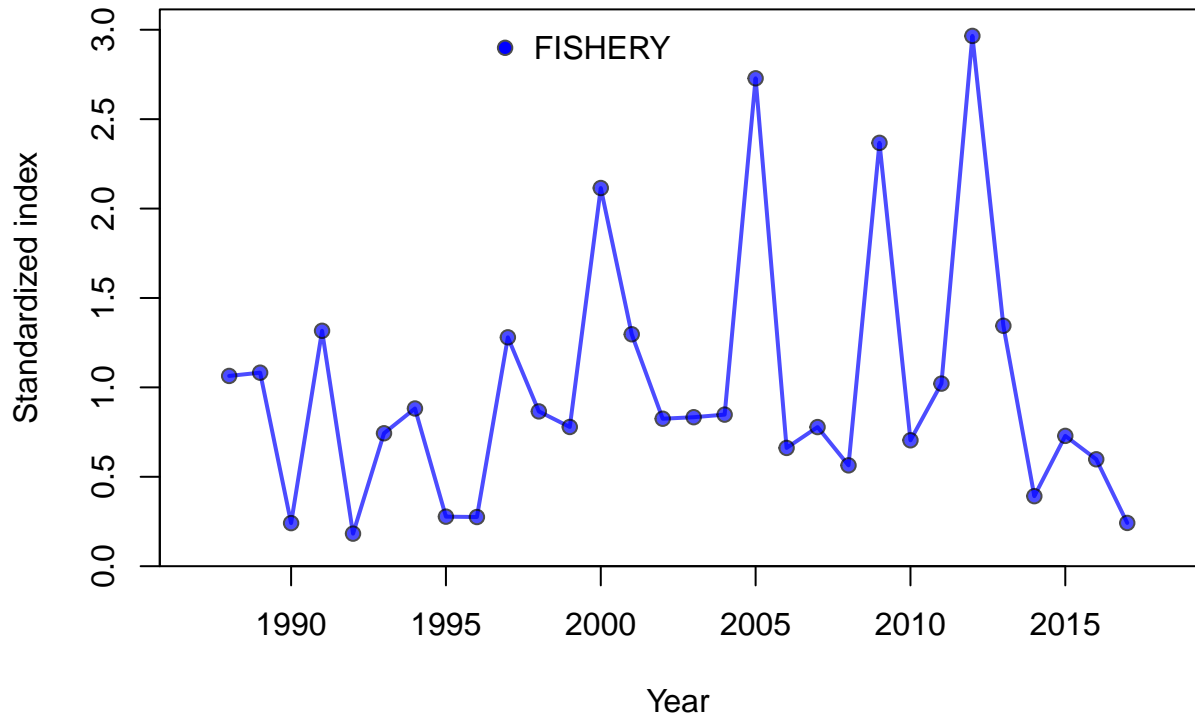


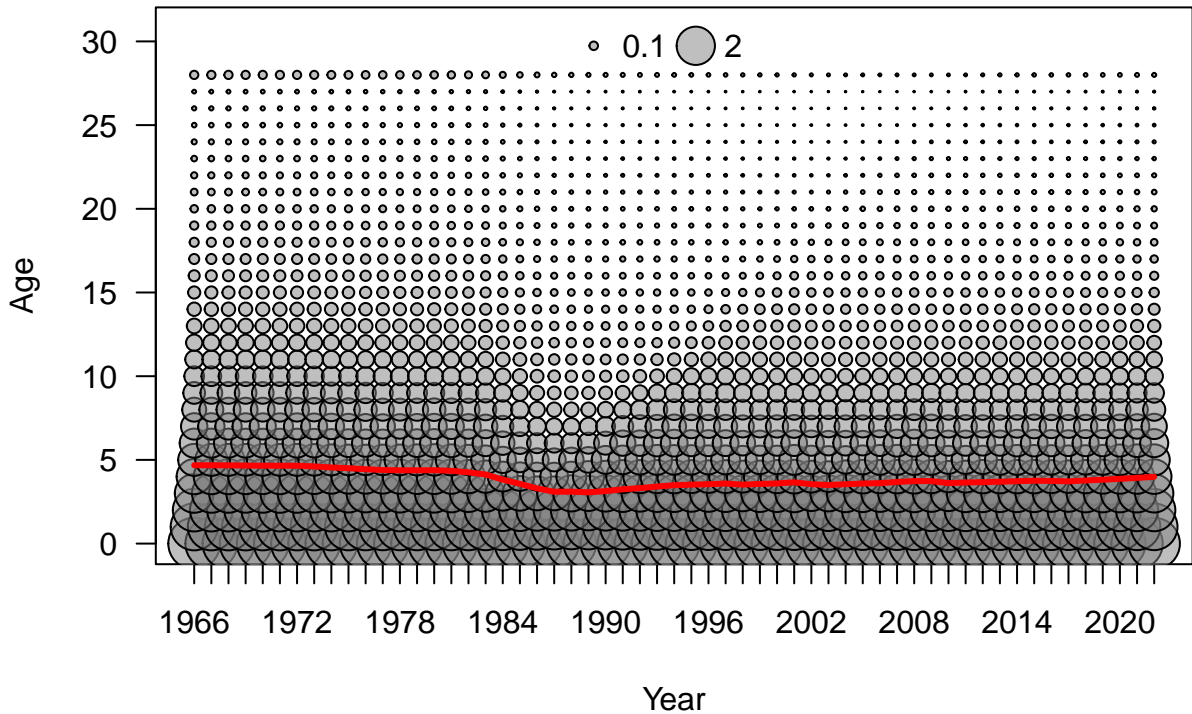


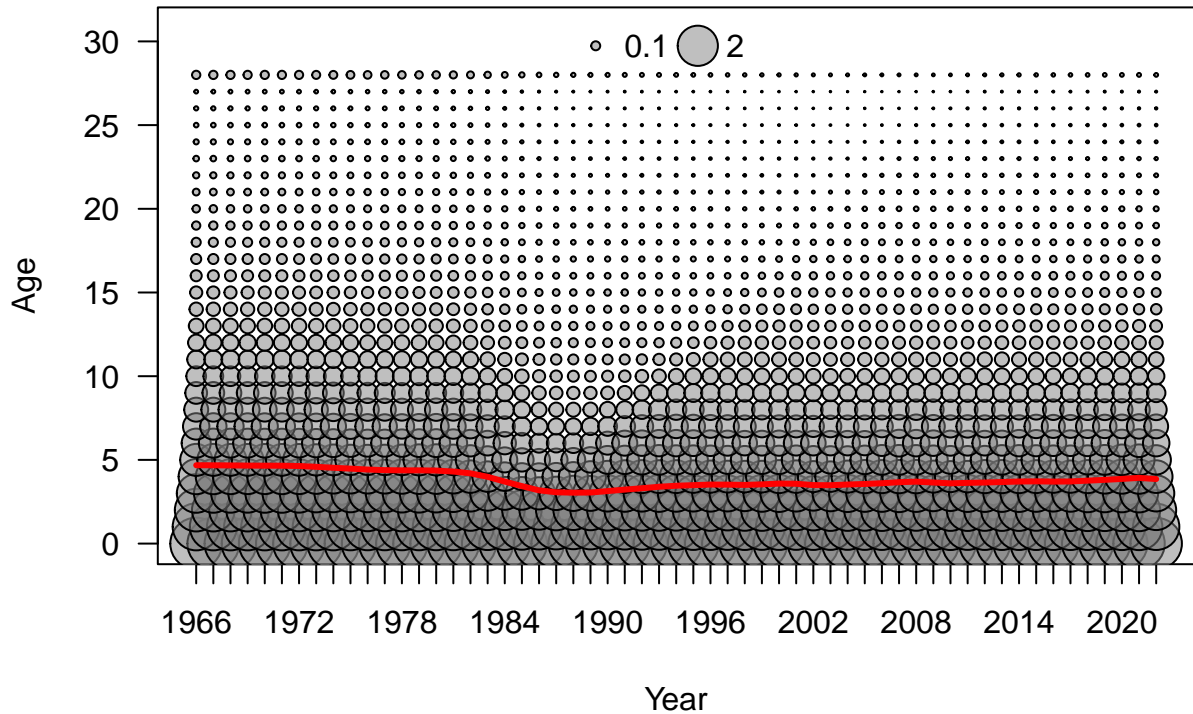
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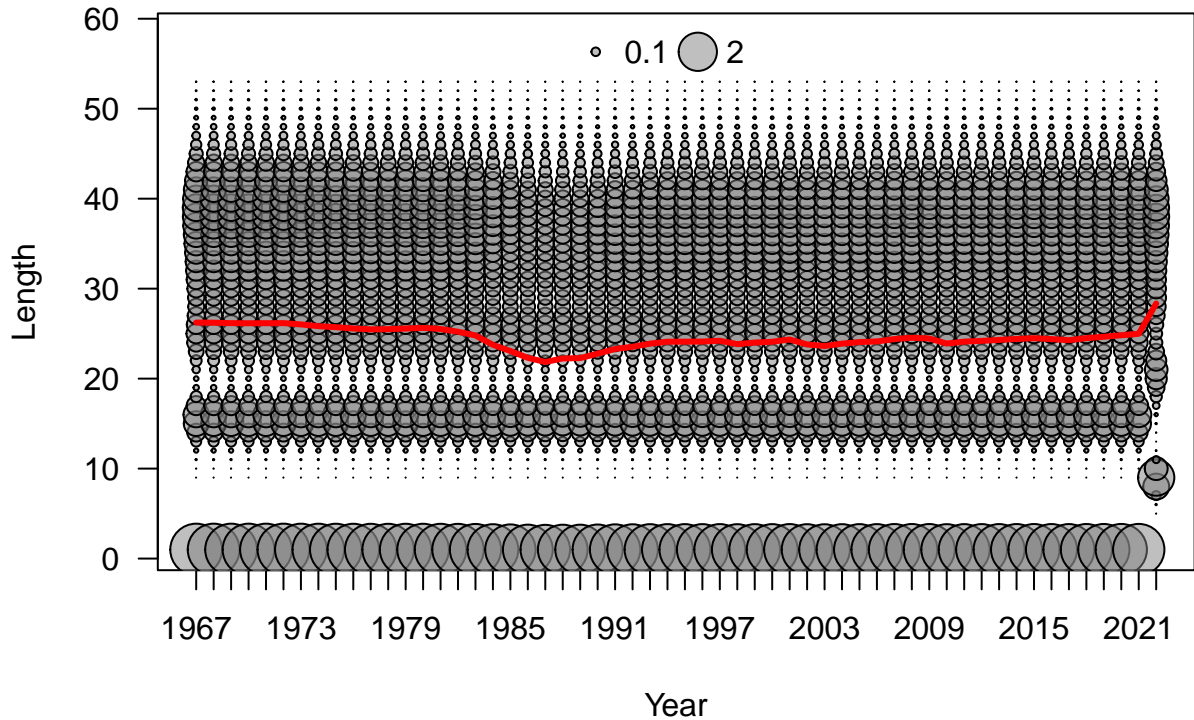


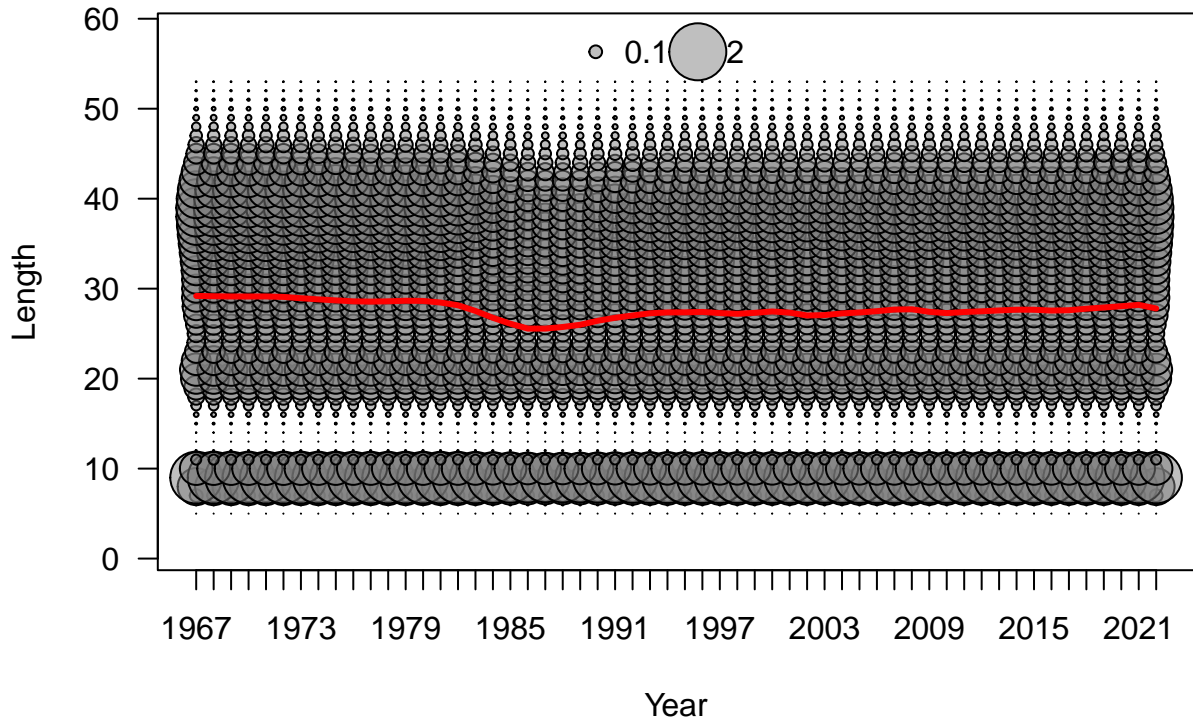


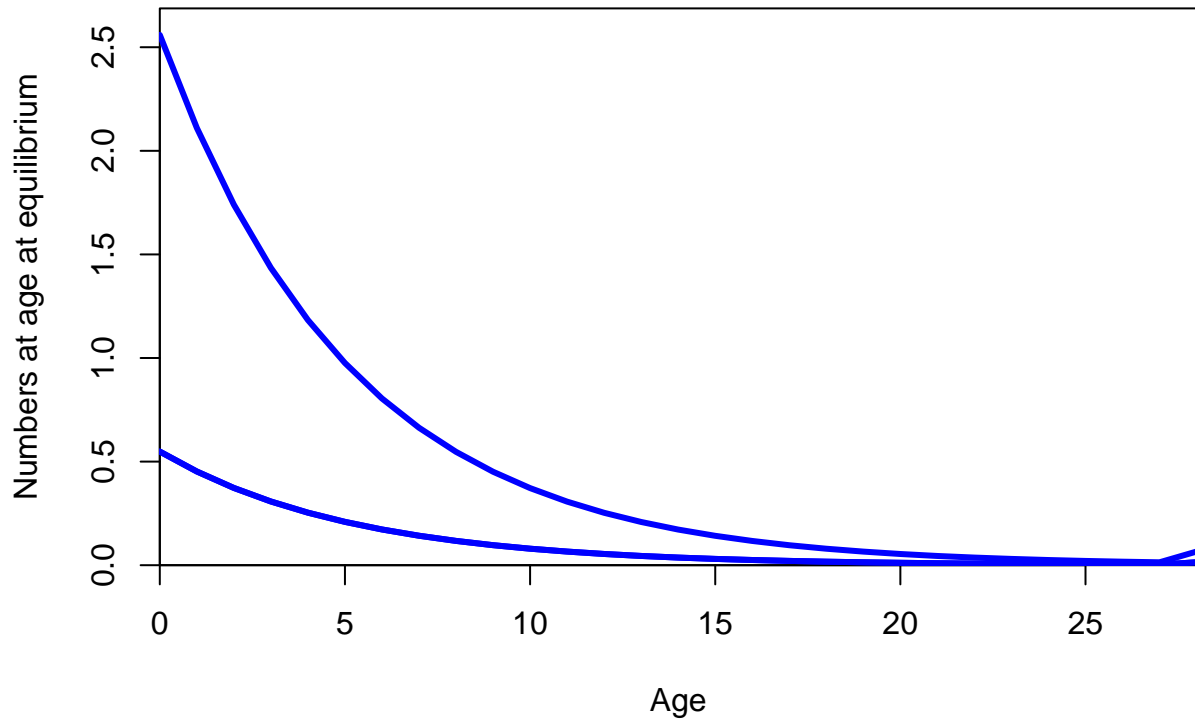


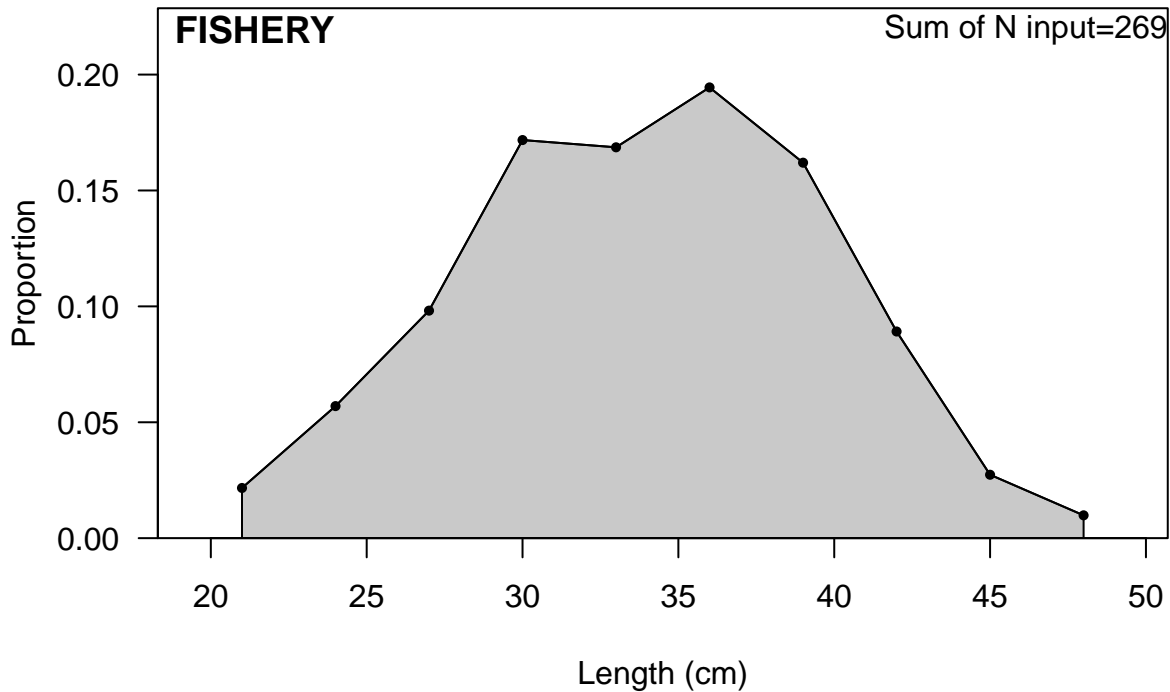


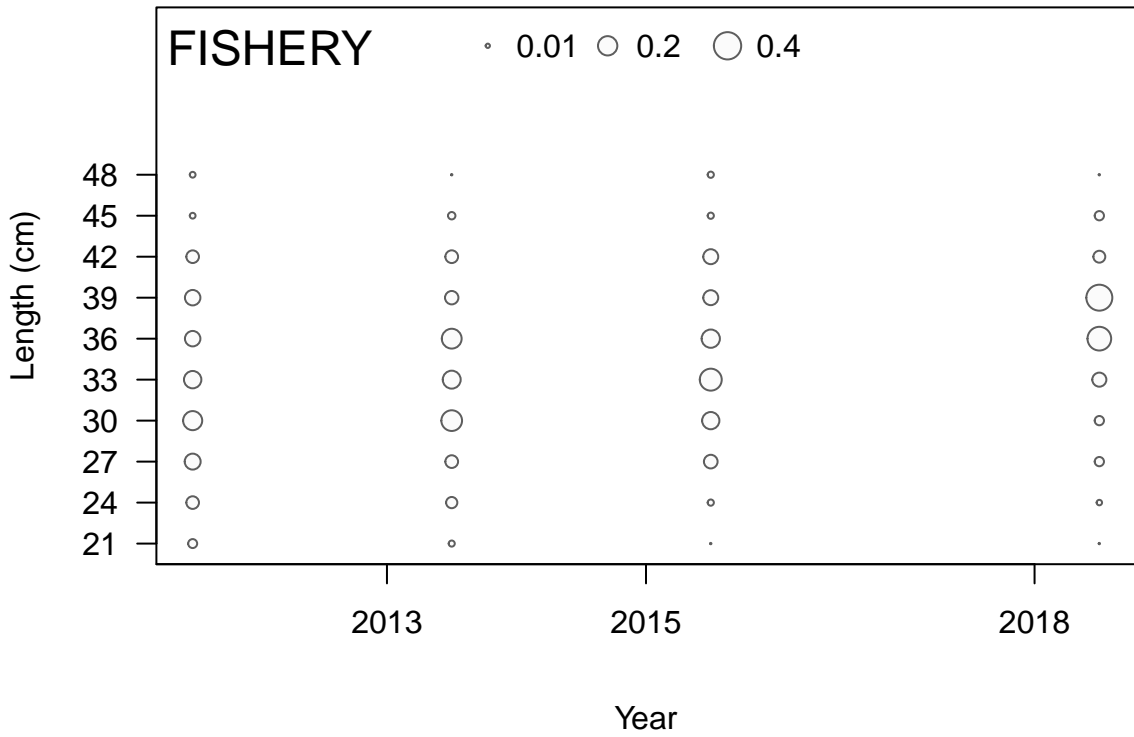




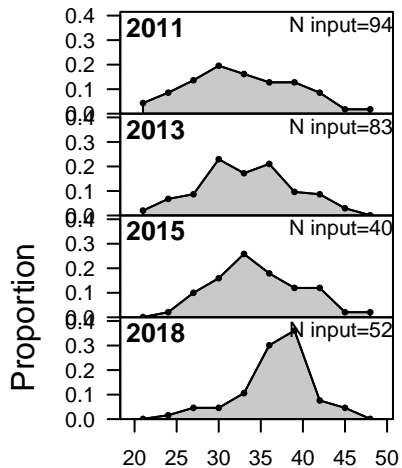




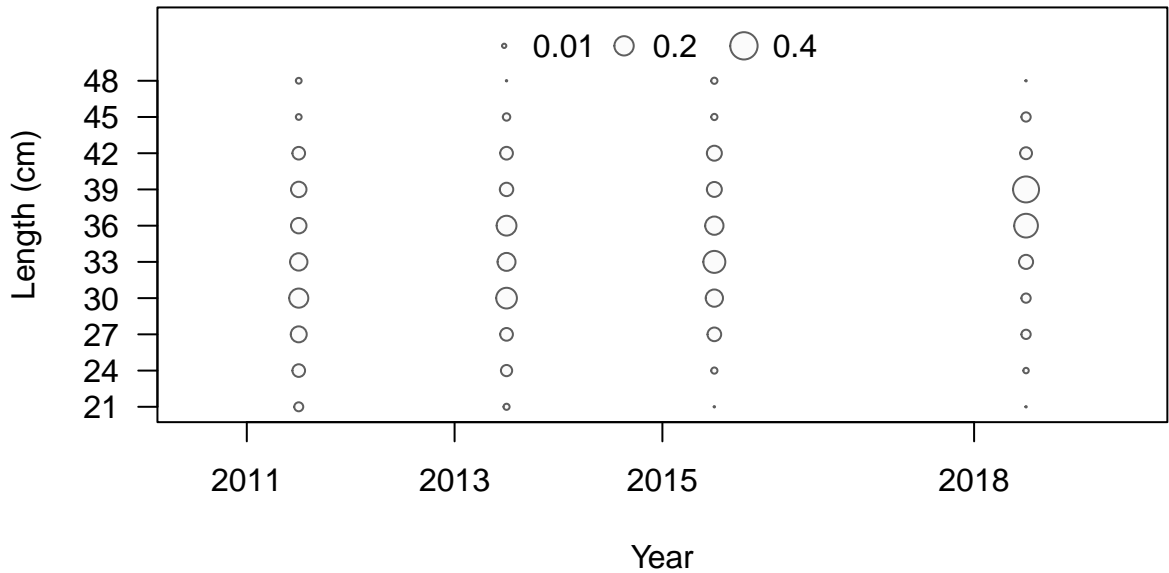




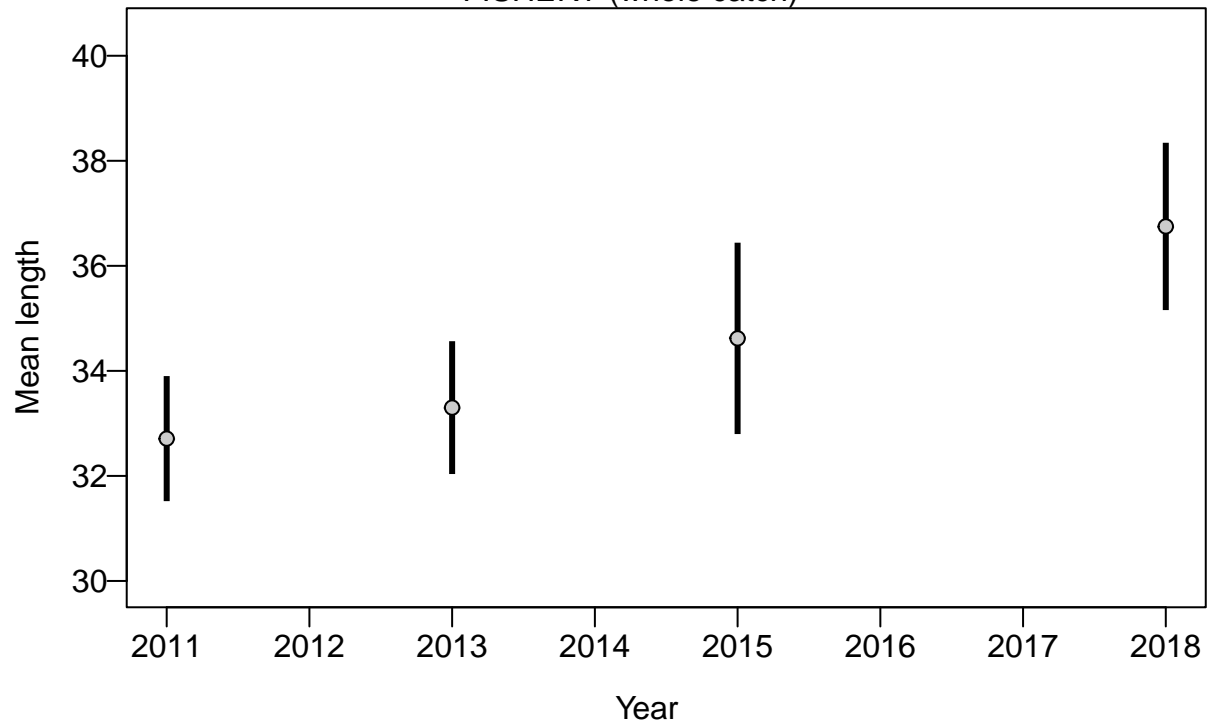


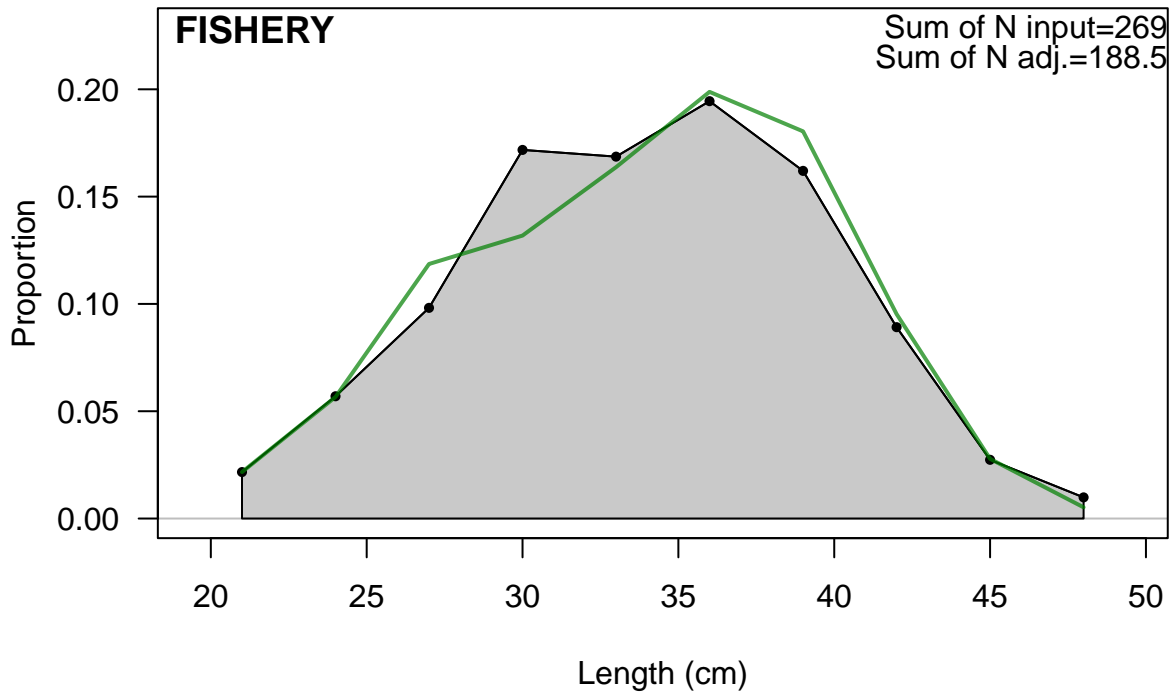


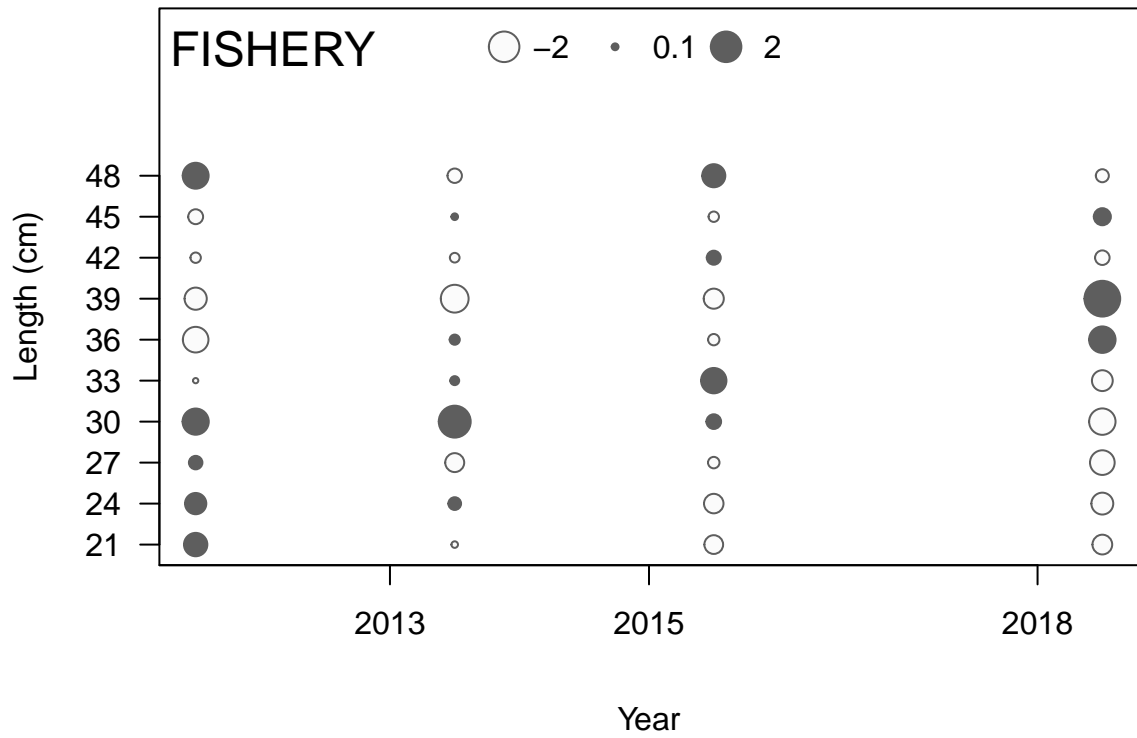
Length (cm)

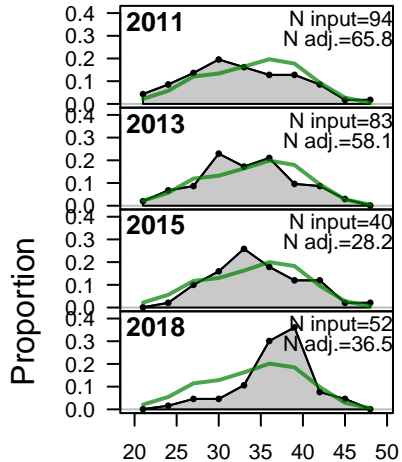


FISHERY (whole catch)

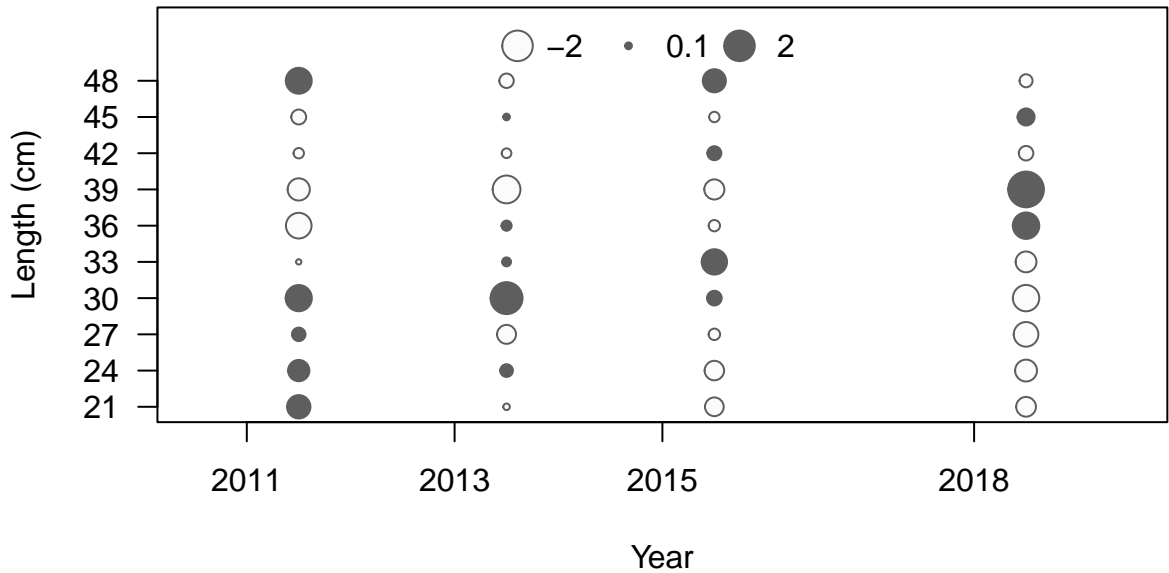




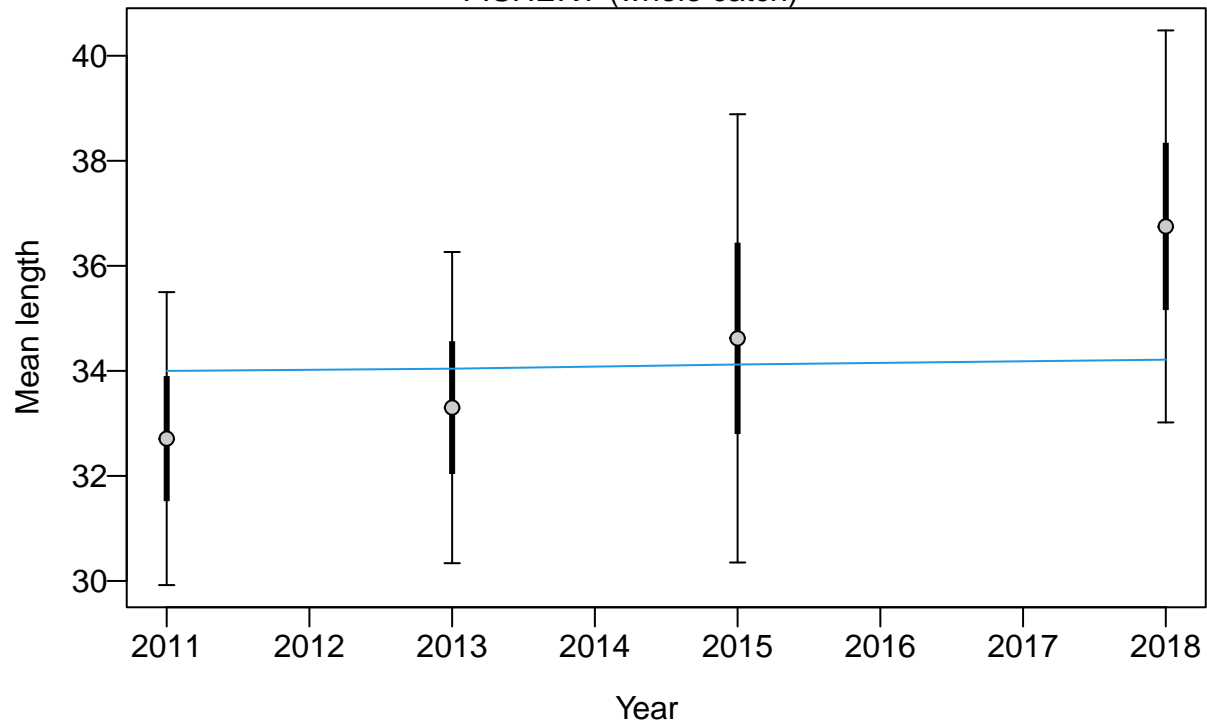




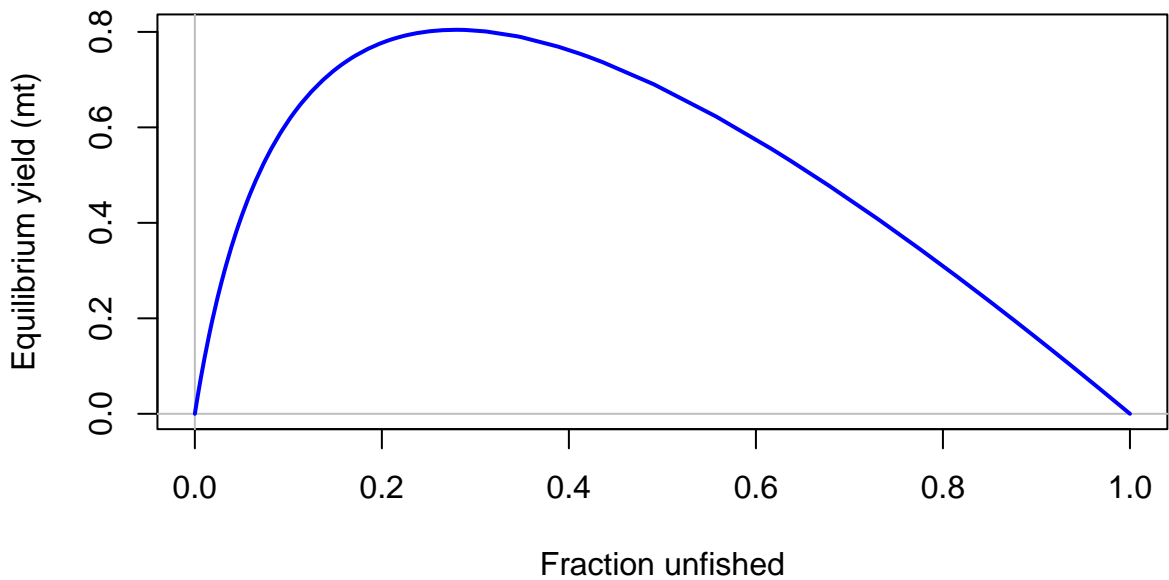
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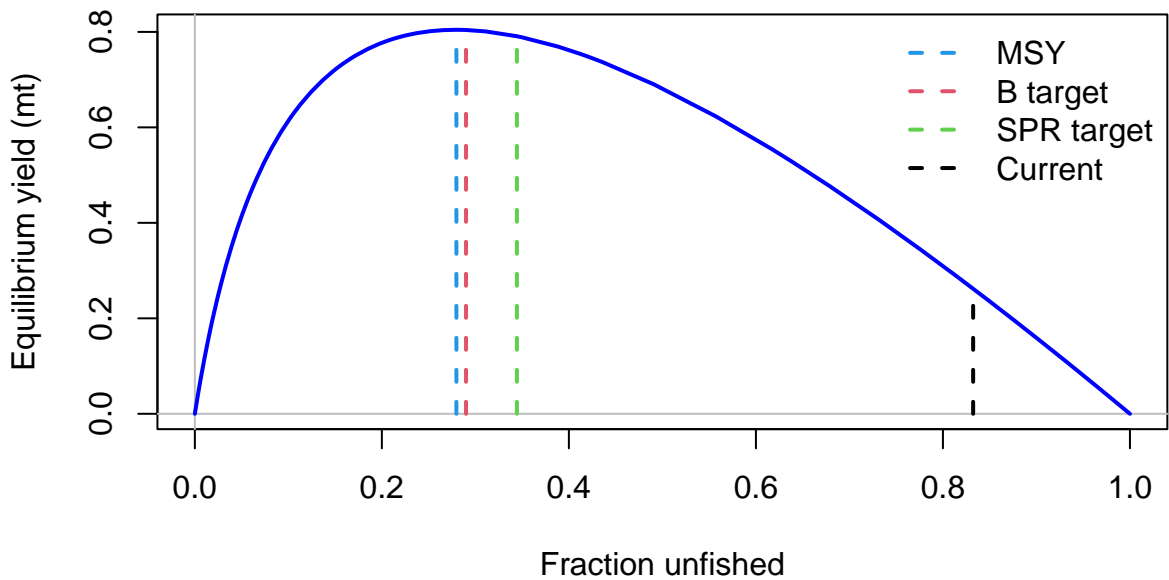


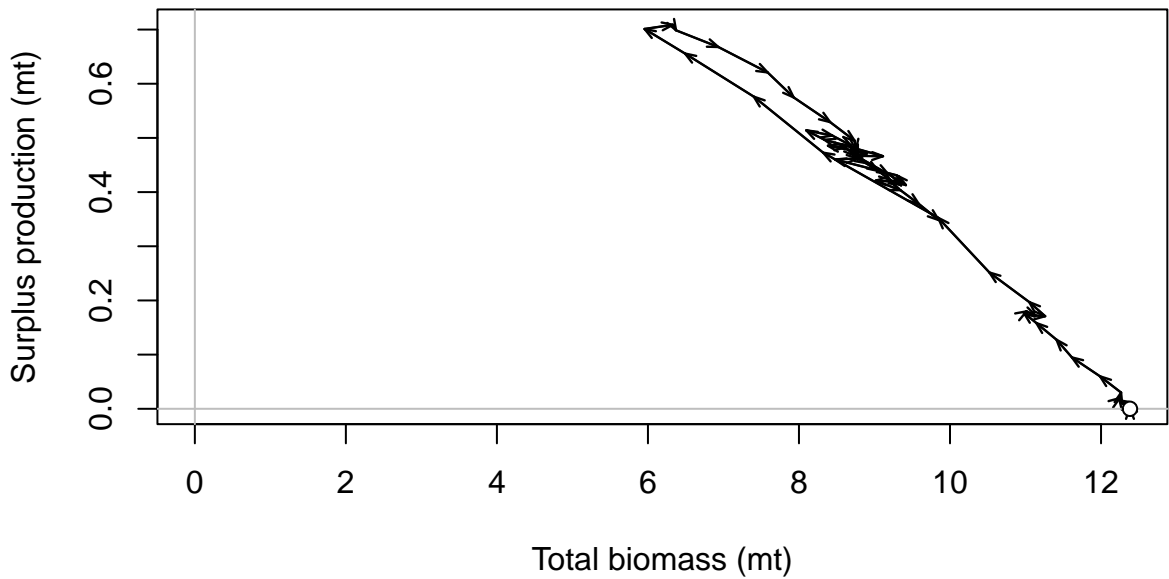
FISHERY (whole catch)

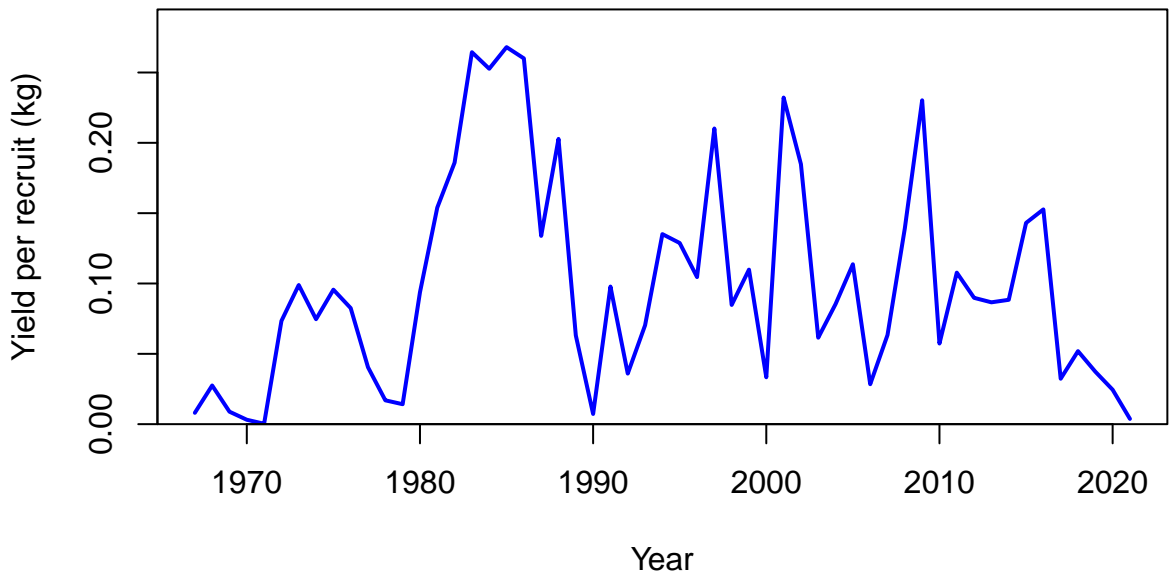


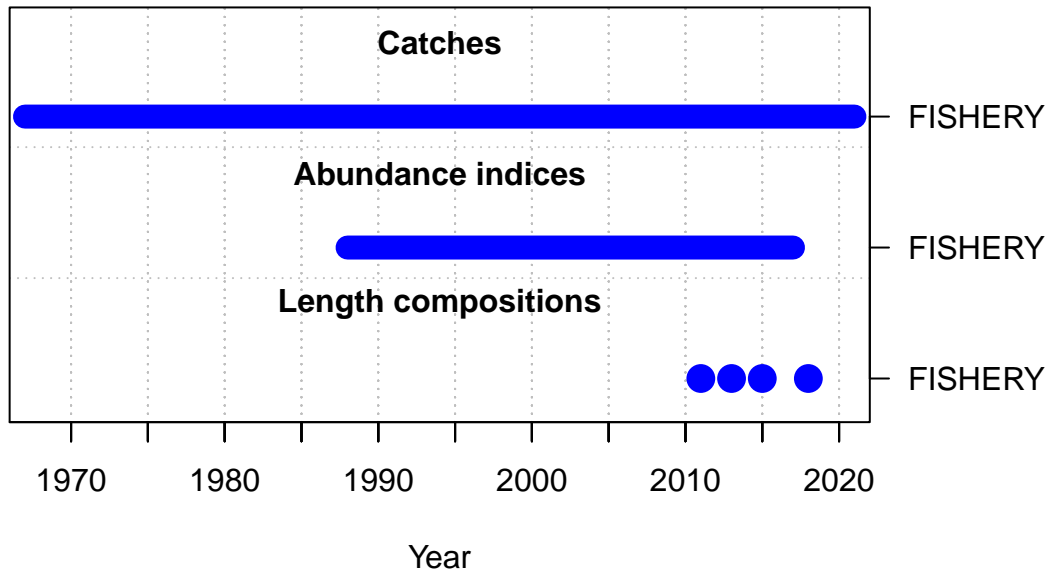


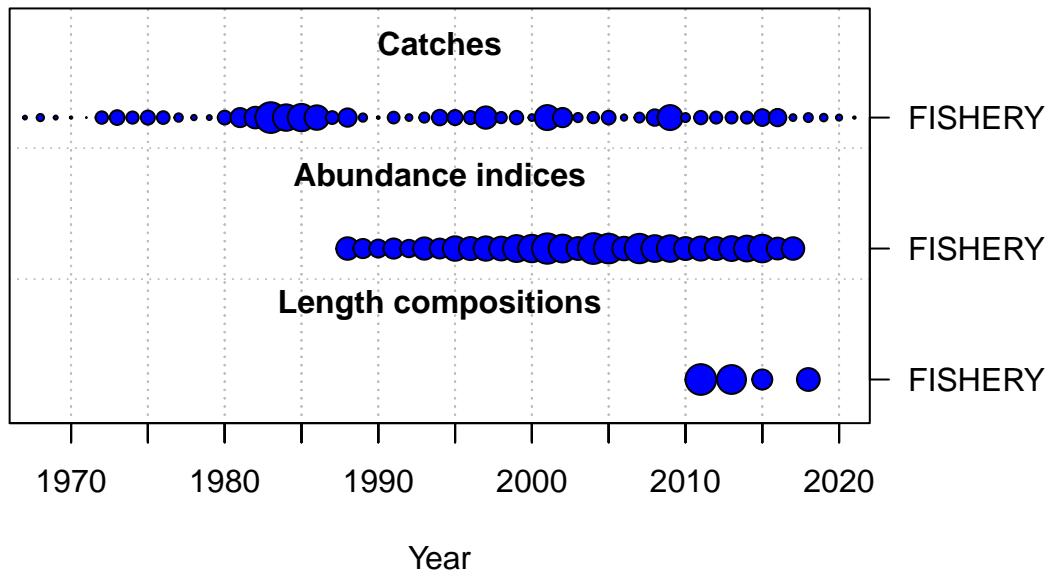




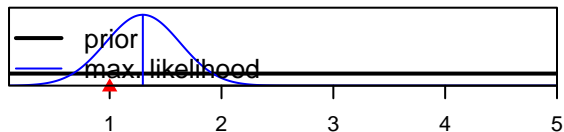




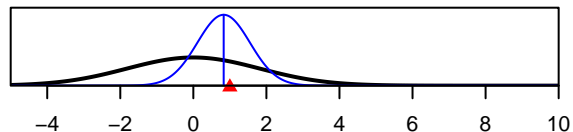




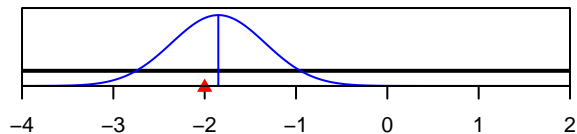
SR\_LN(R0)



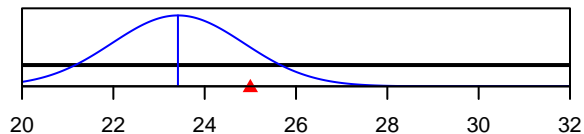
ln(DM\_theta)\_1



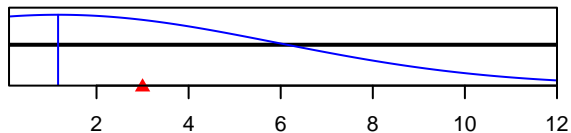
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value