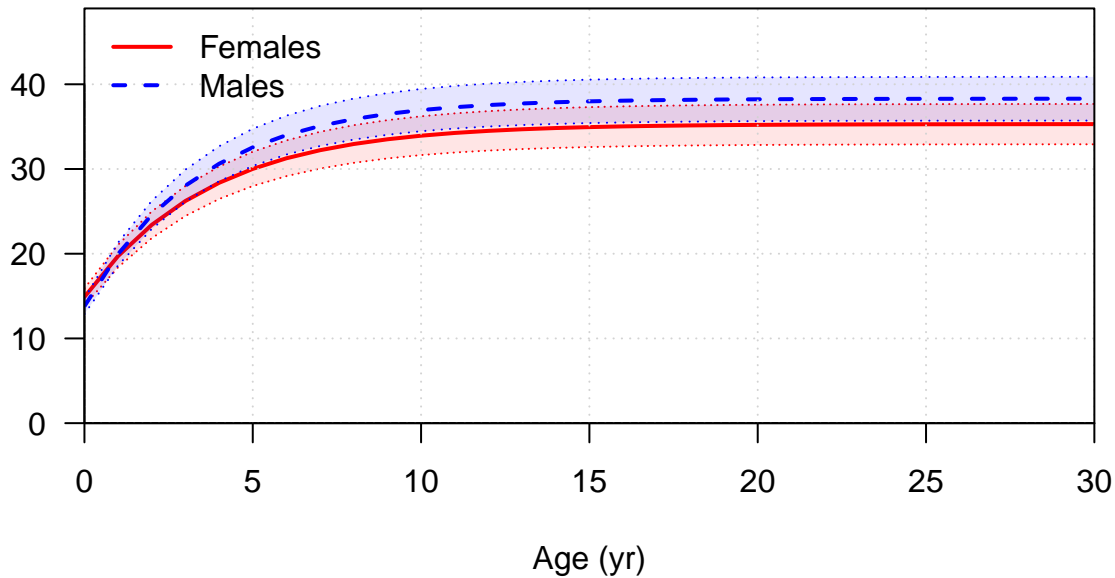
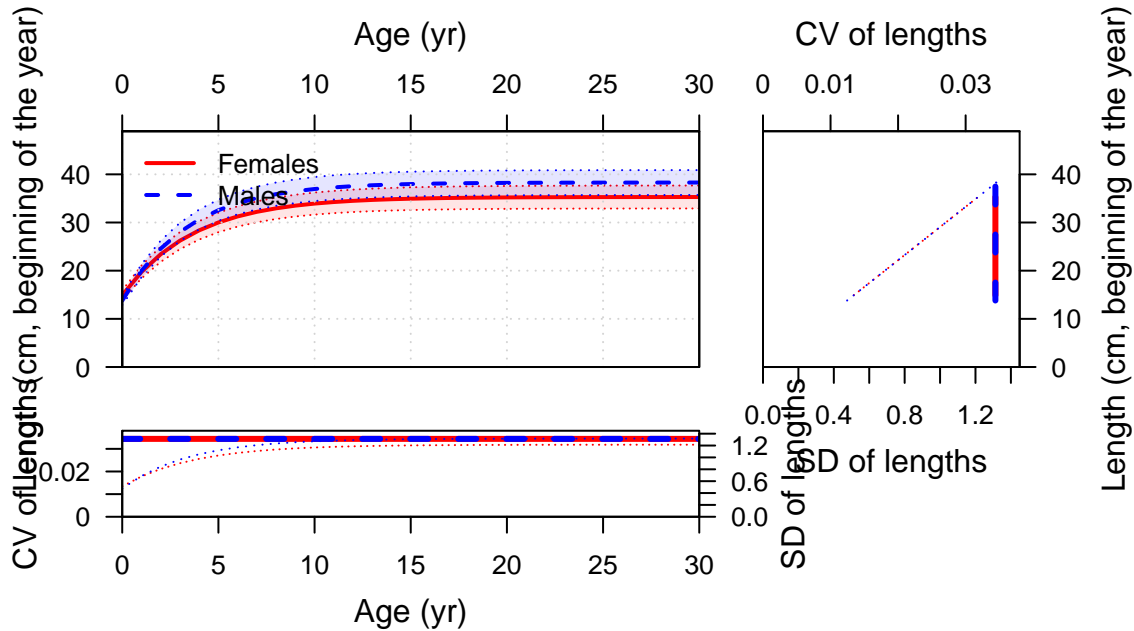
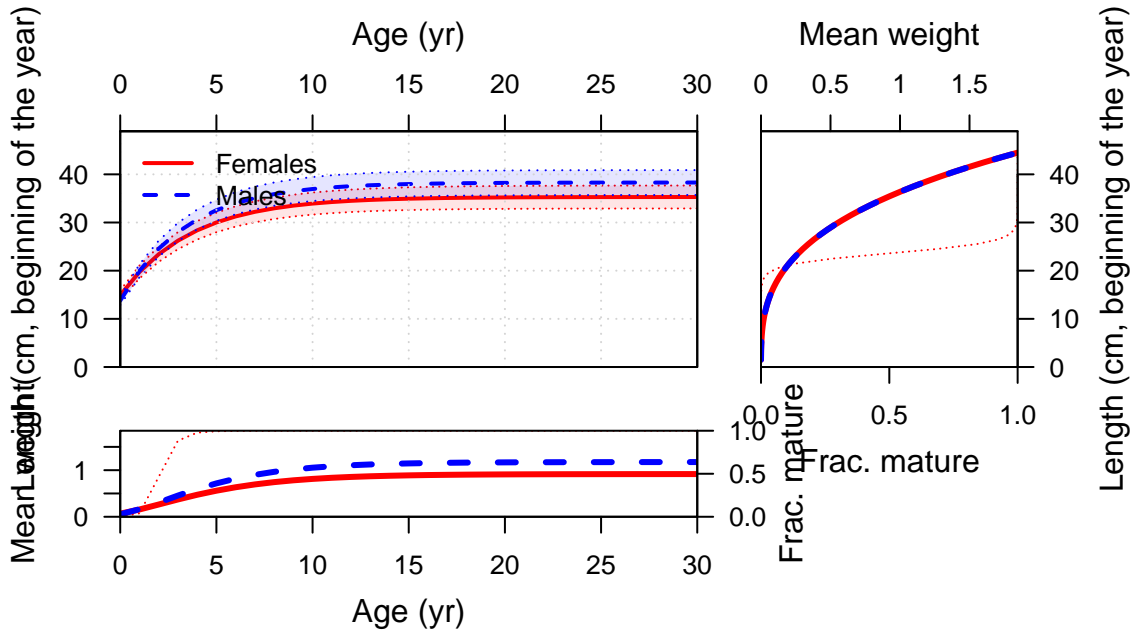


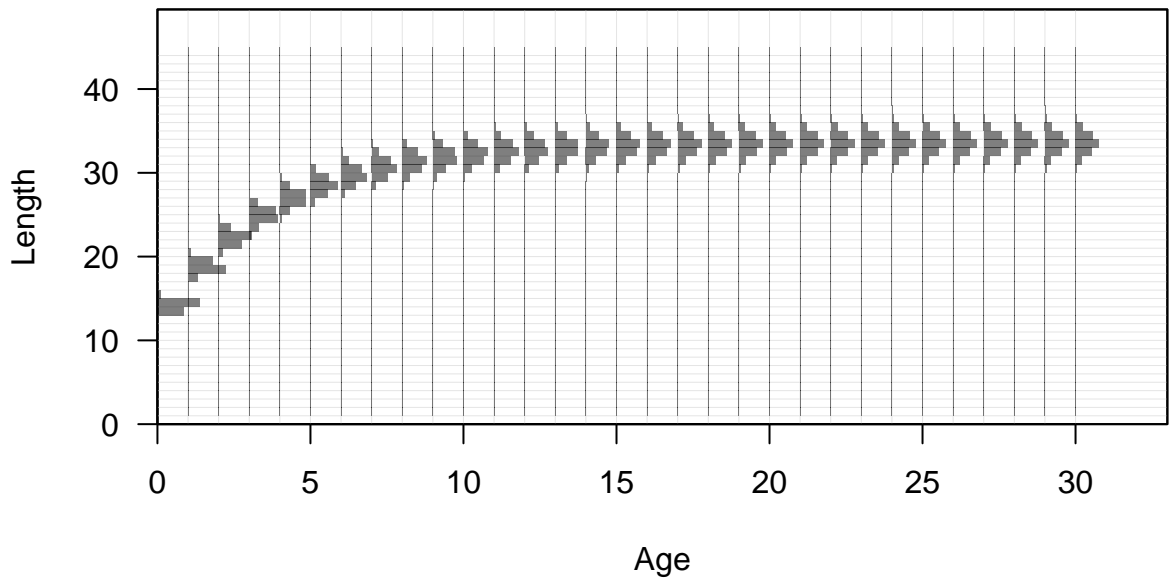
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Fri Aug 12 14:35:58 2022  
Data\_File: data.ss  
Control\_File: control.ss

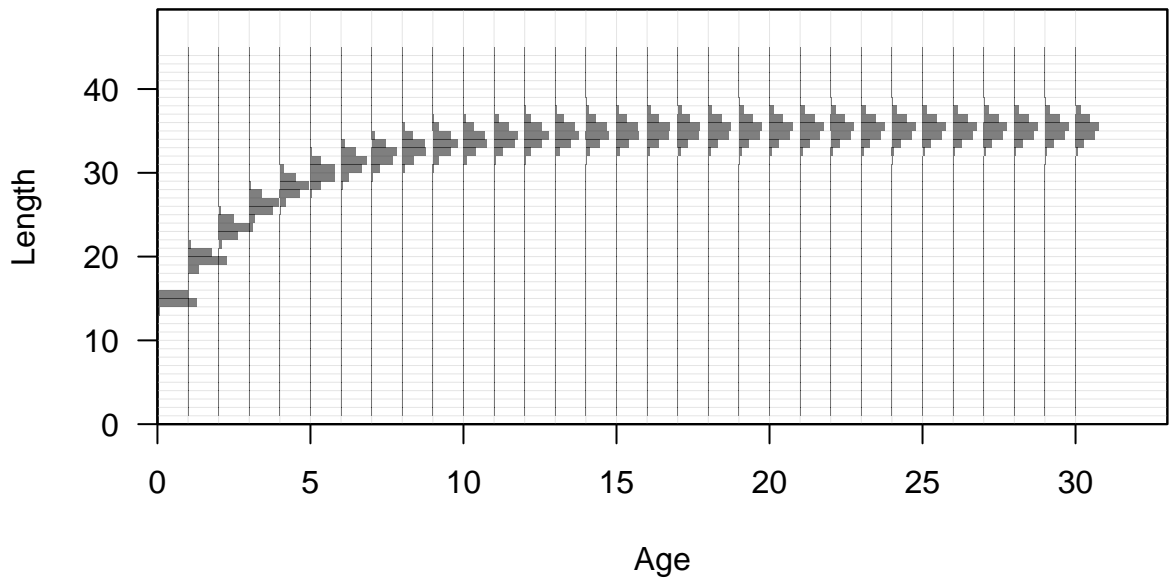
Length (cm, beginning of the year)

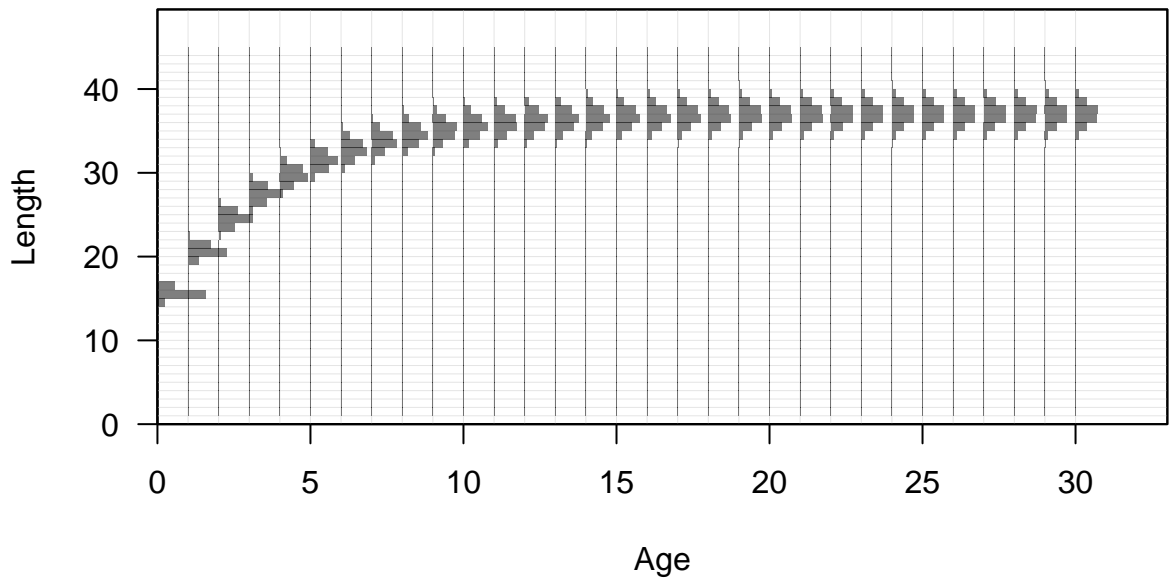


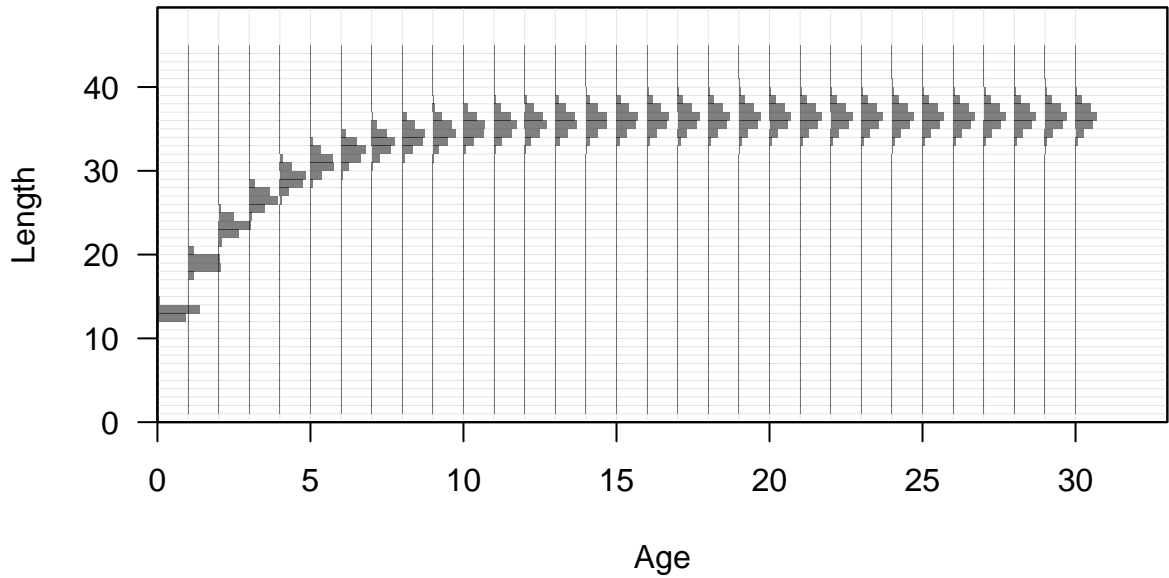




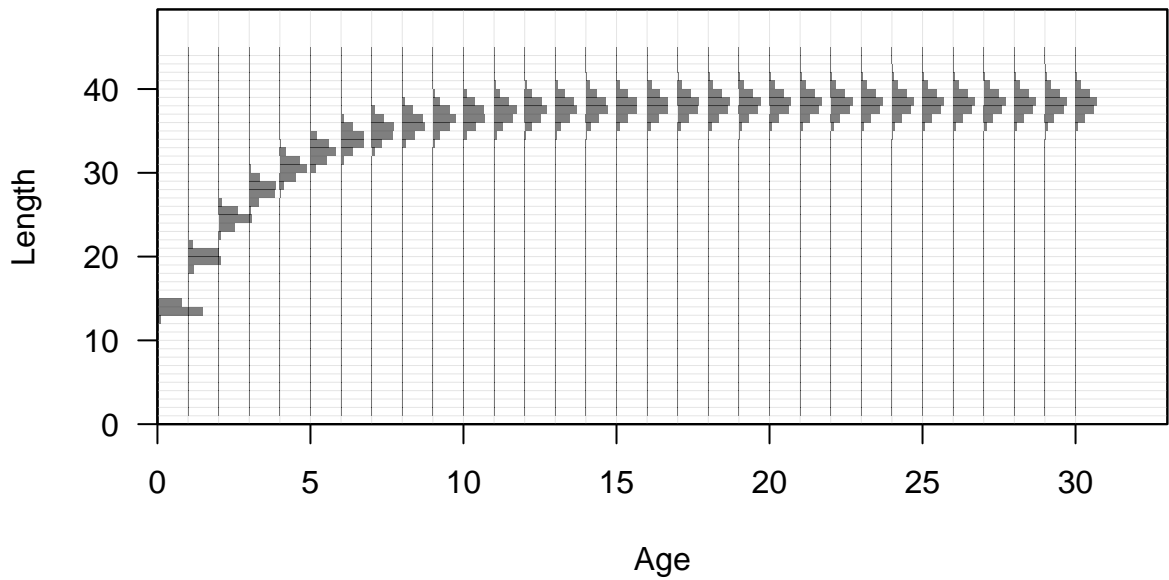


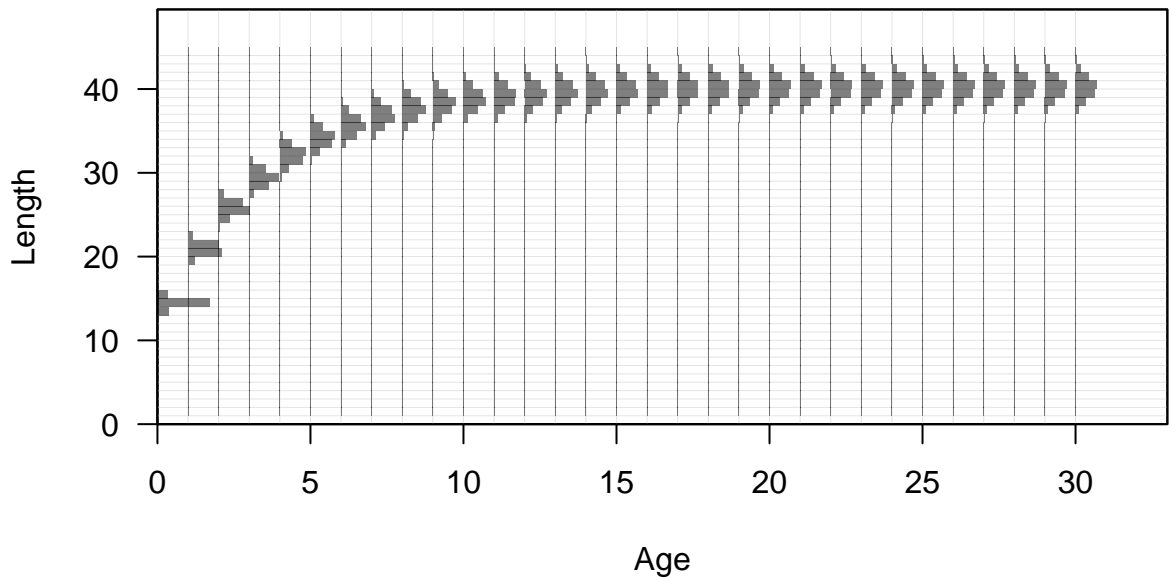


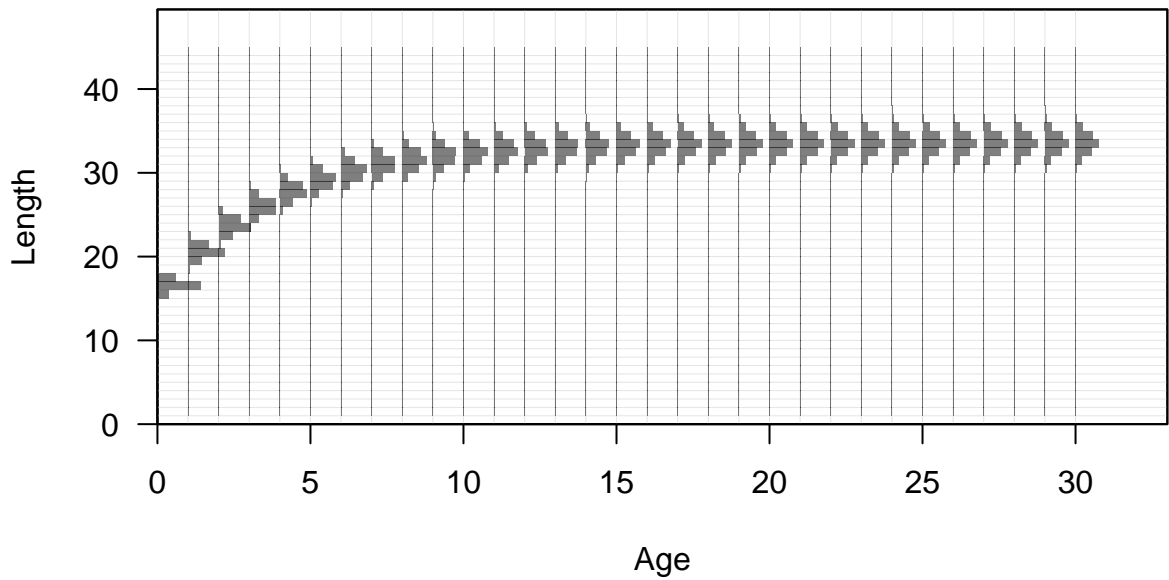


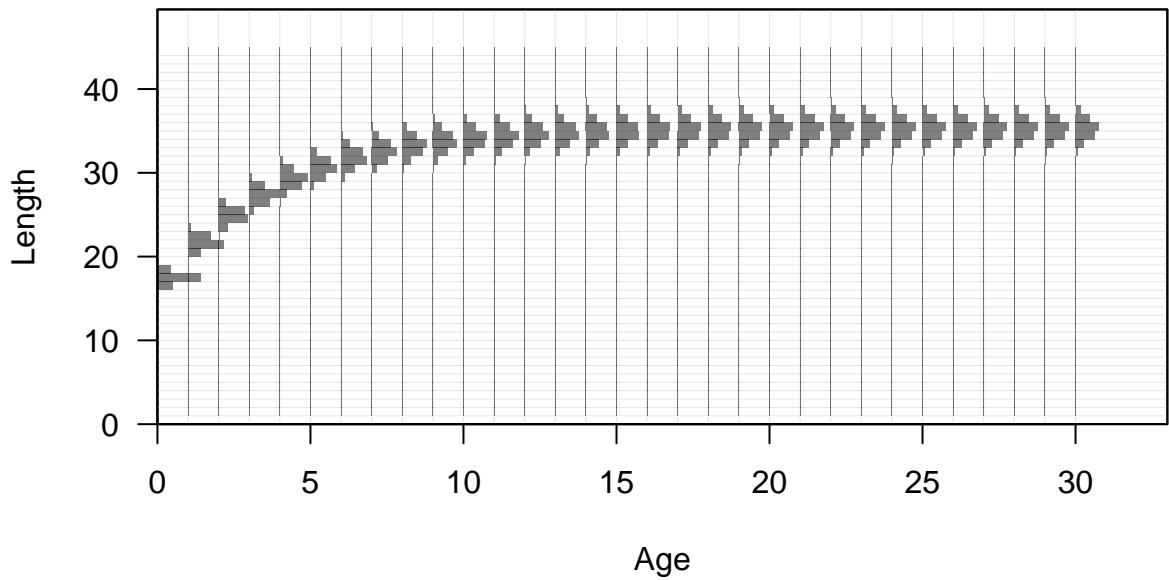


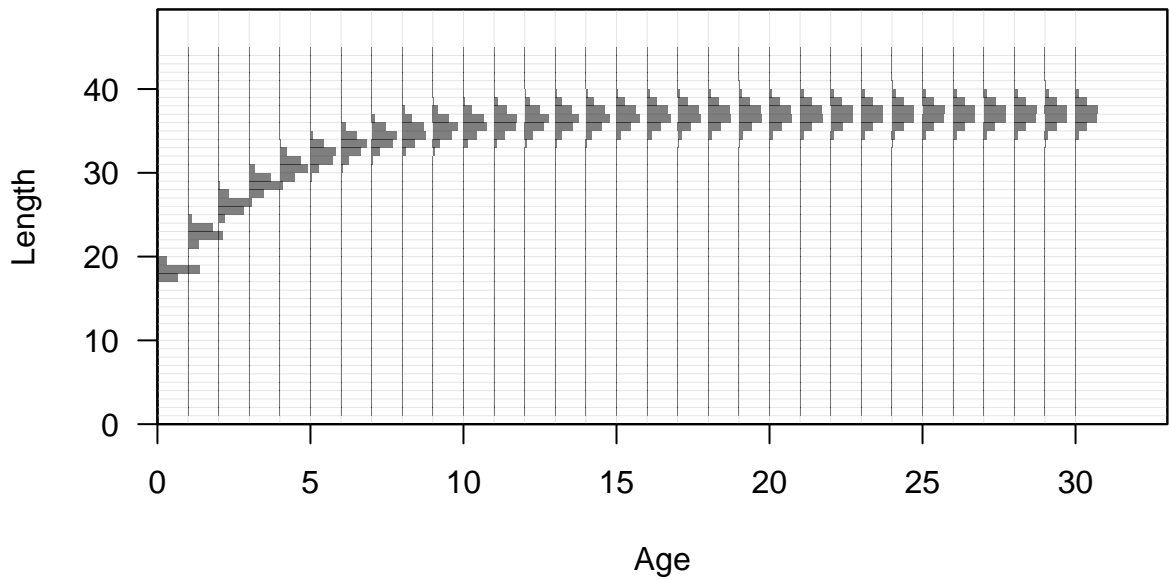


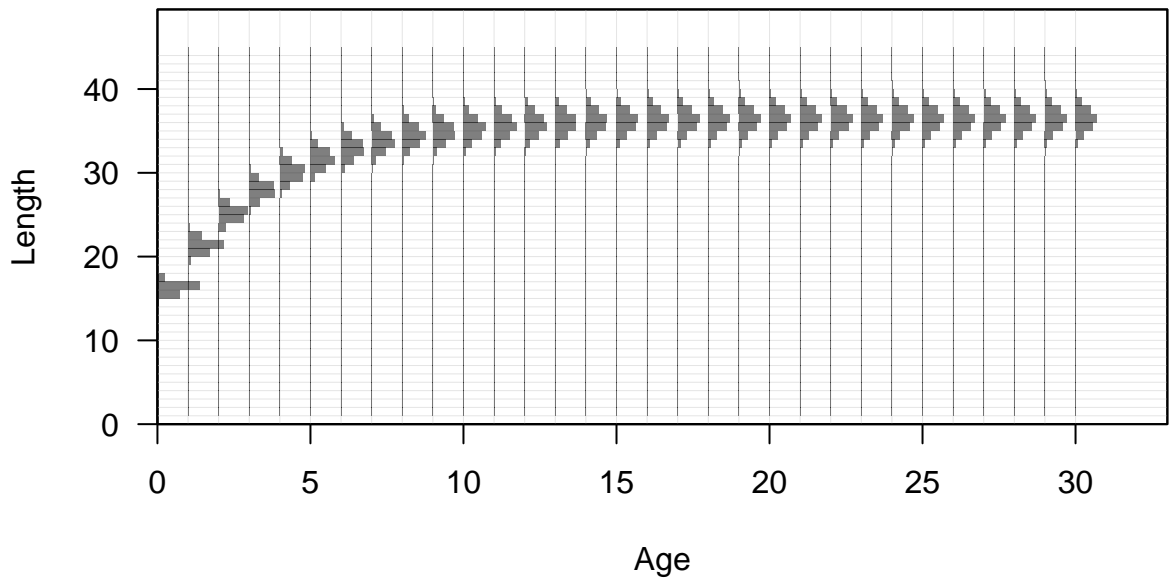


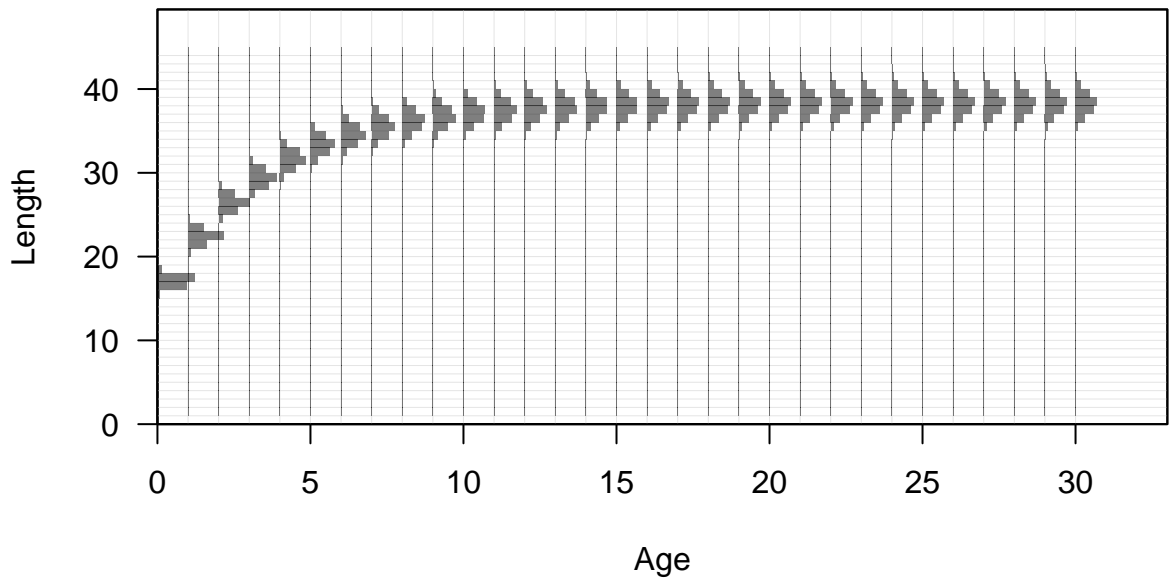


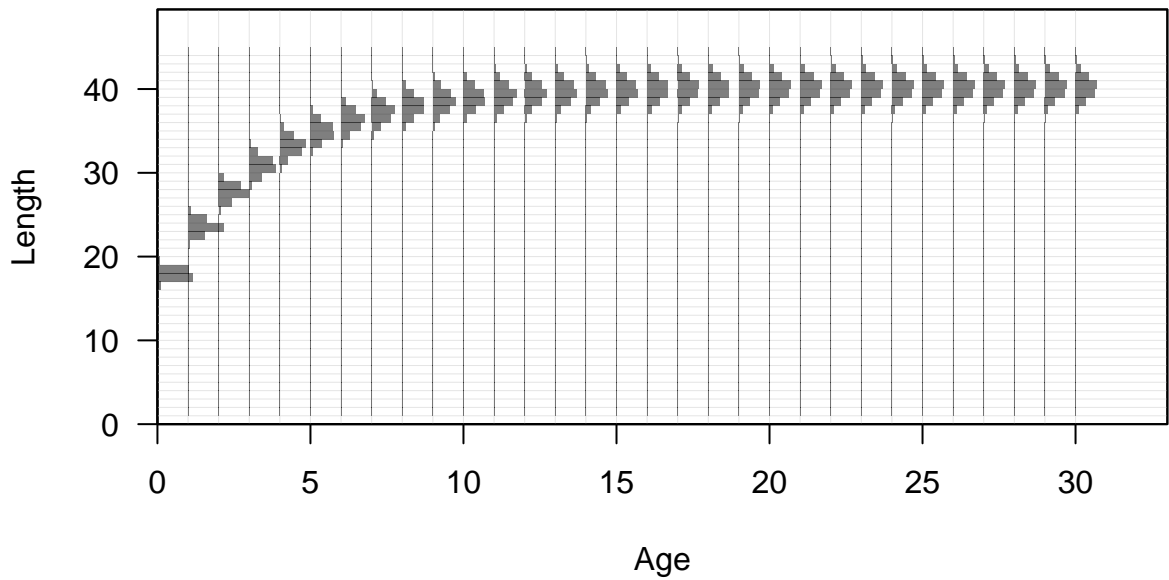




















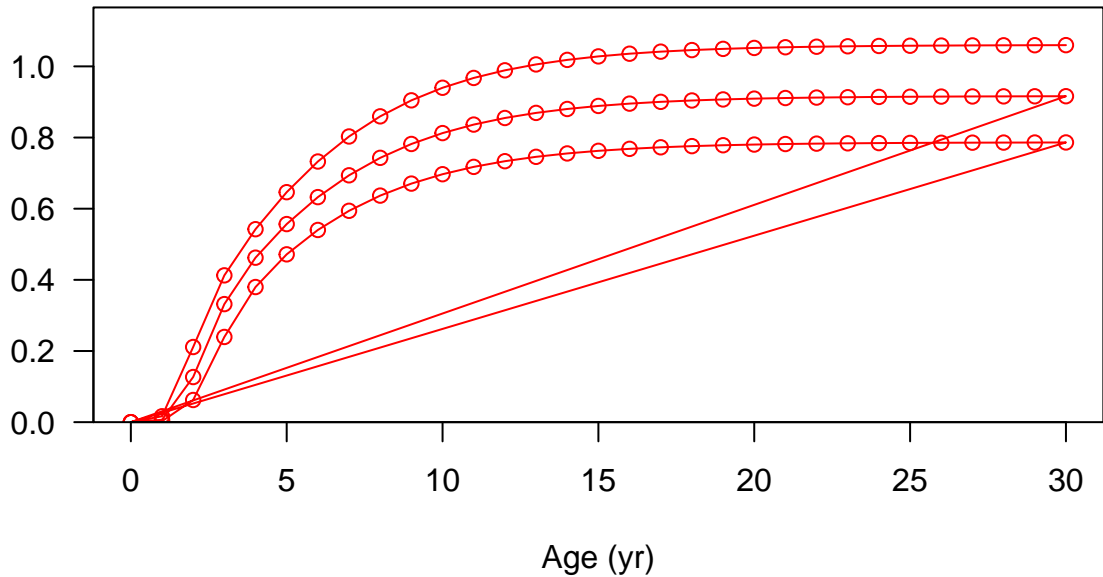






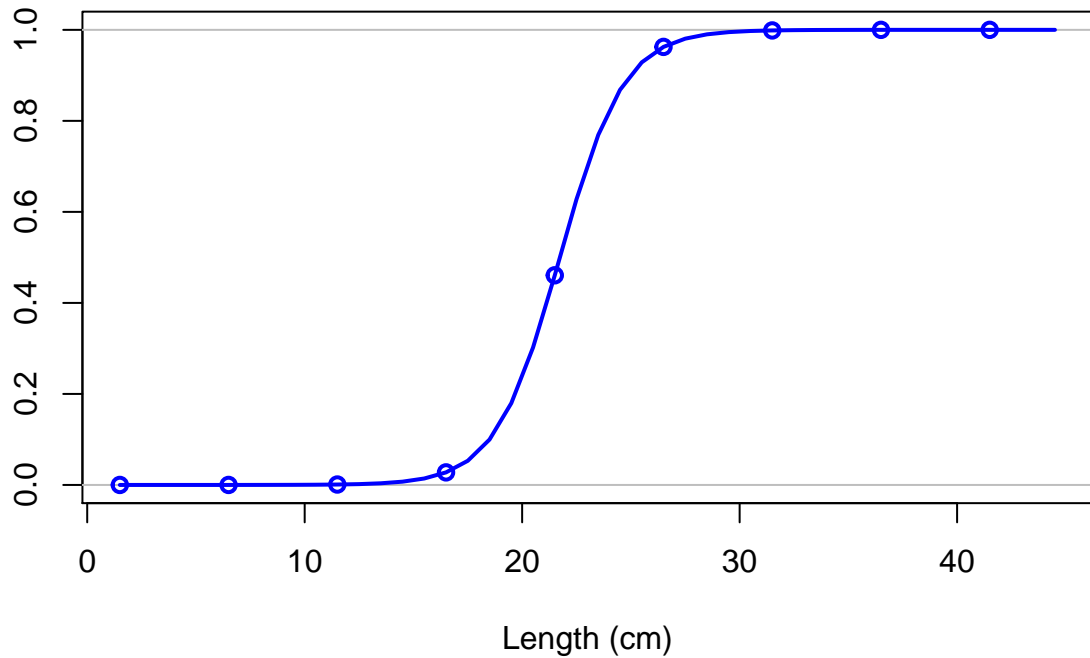


Spawning output

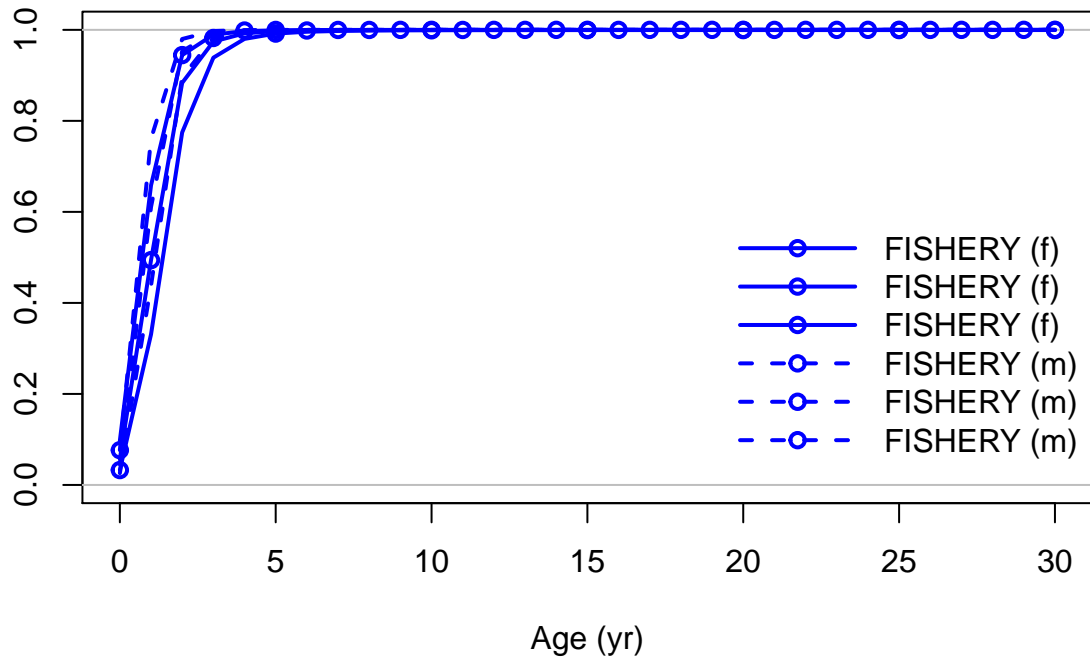




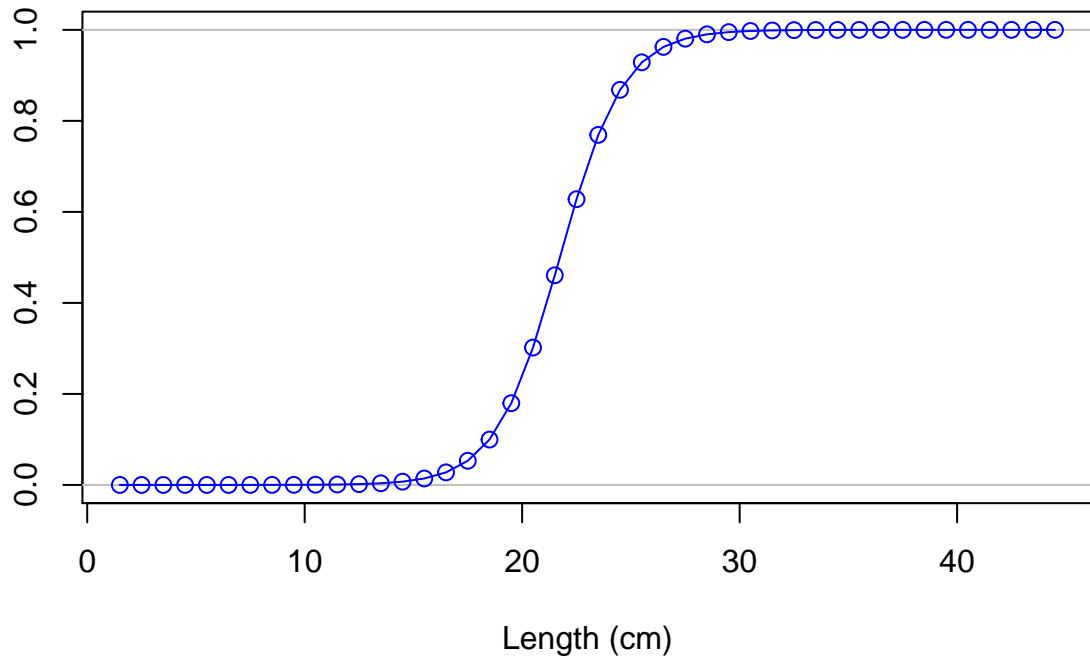
Selectivity



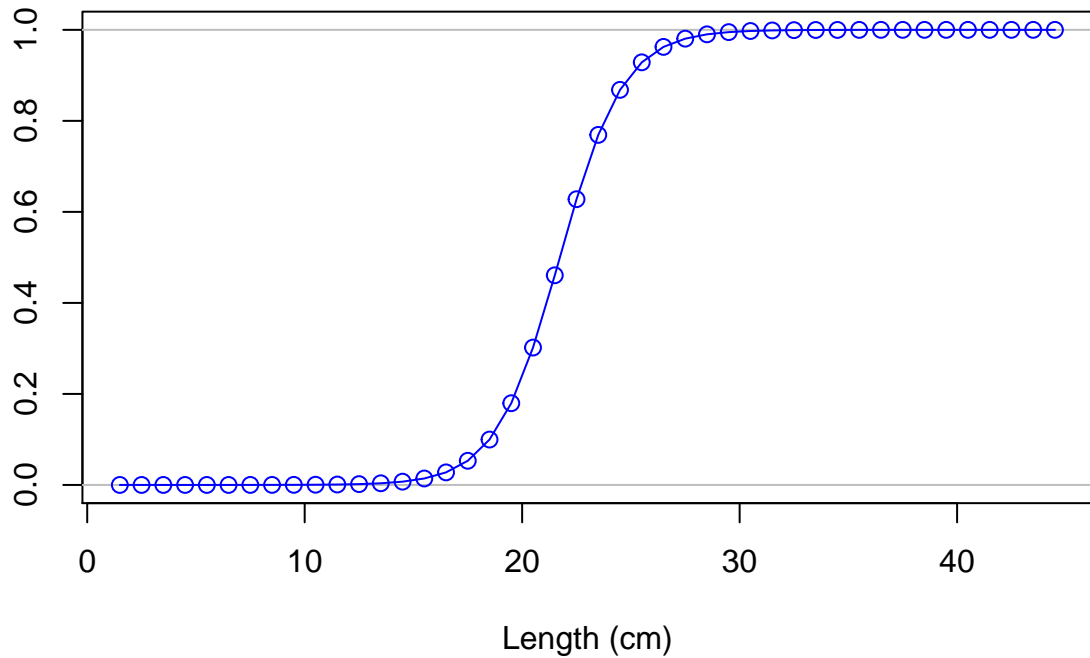
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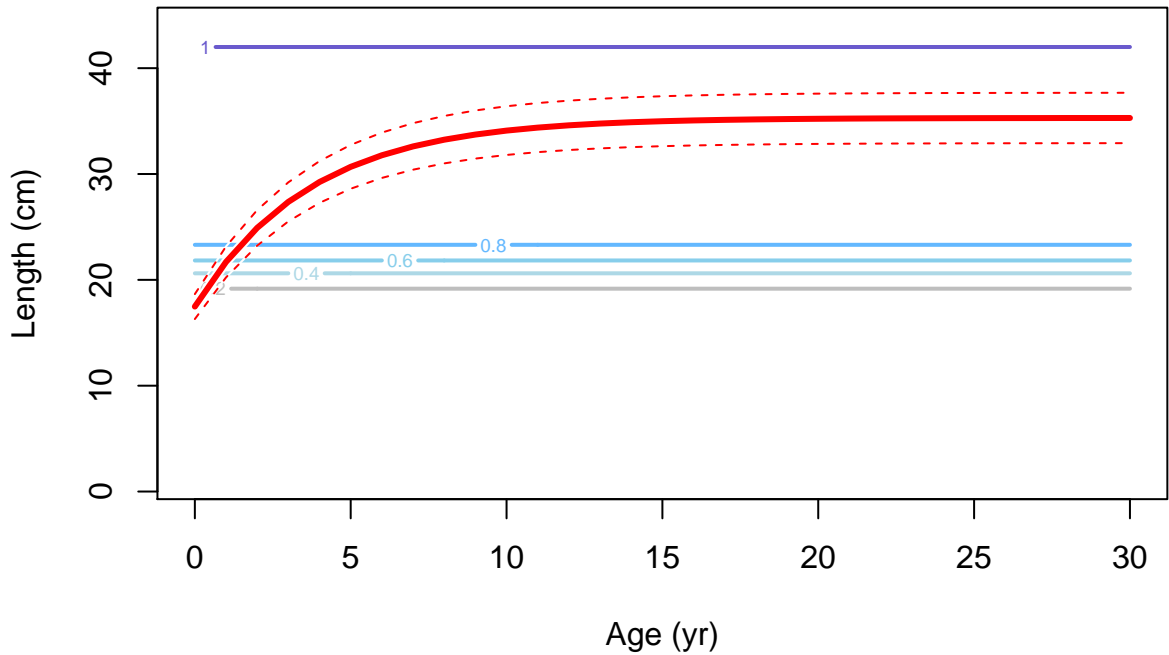


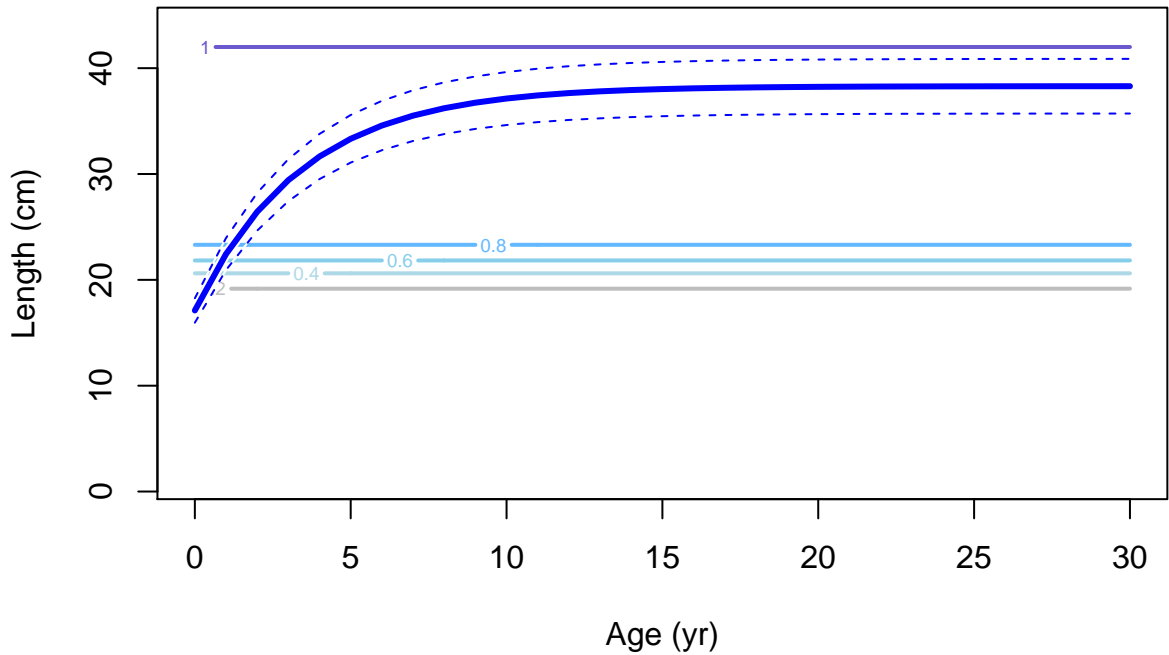
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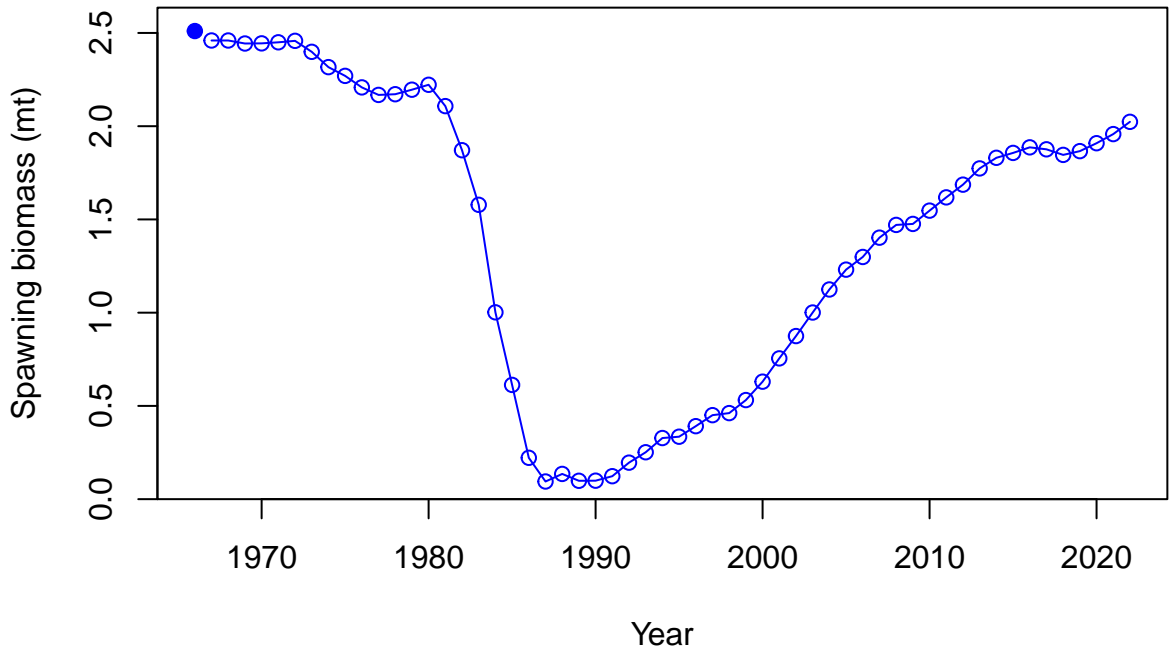


Selectivity

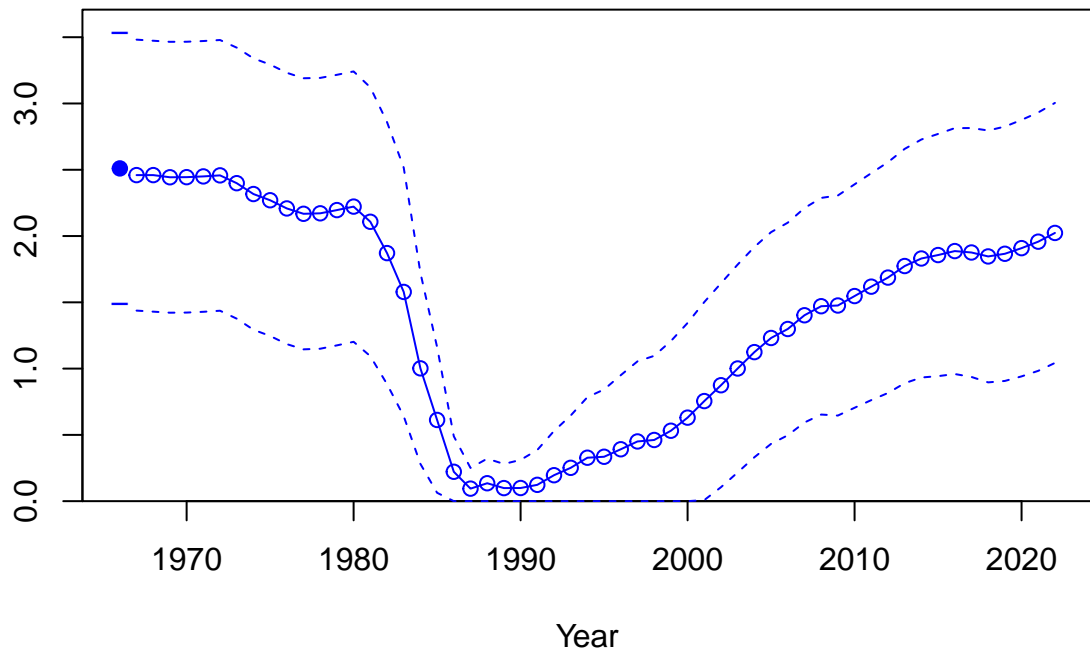






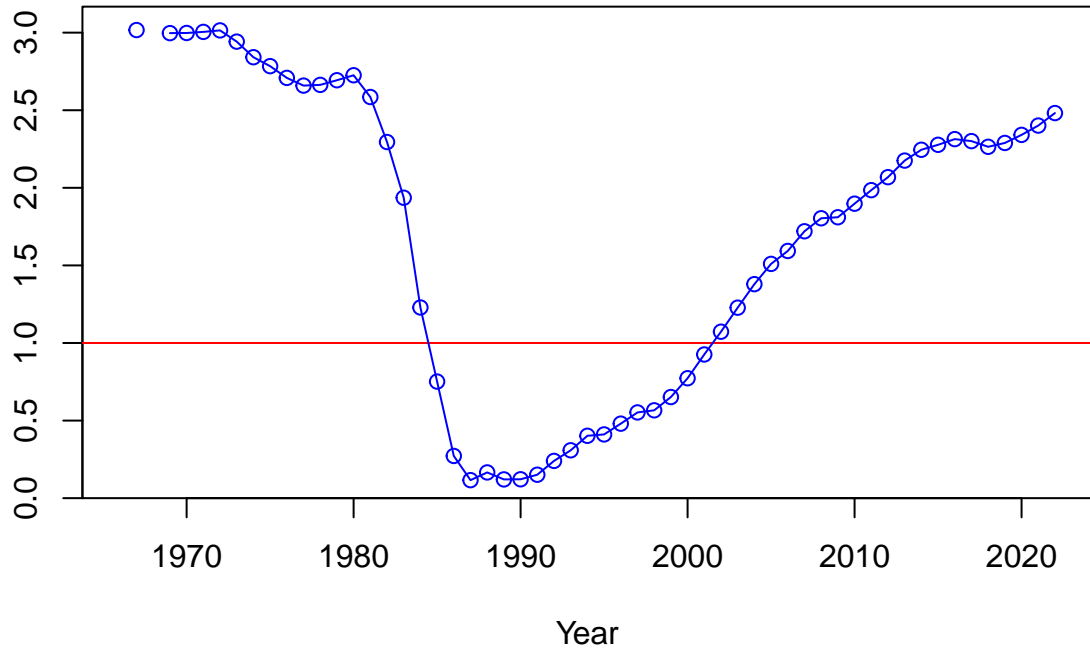


Spawning biomass (mt)

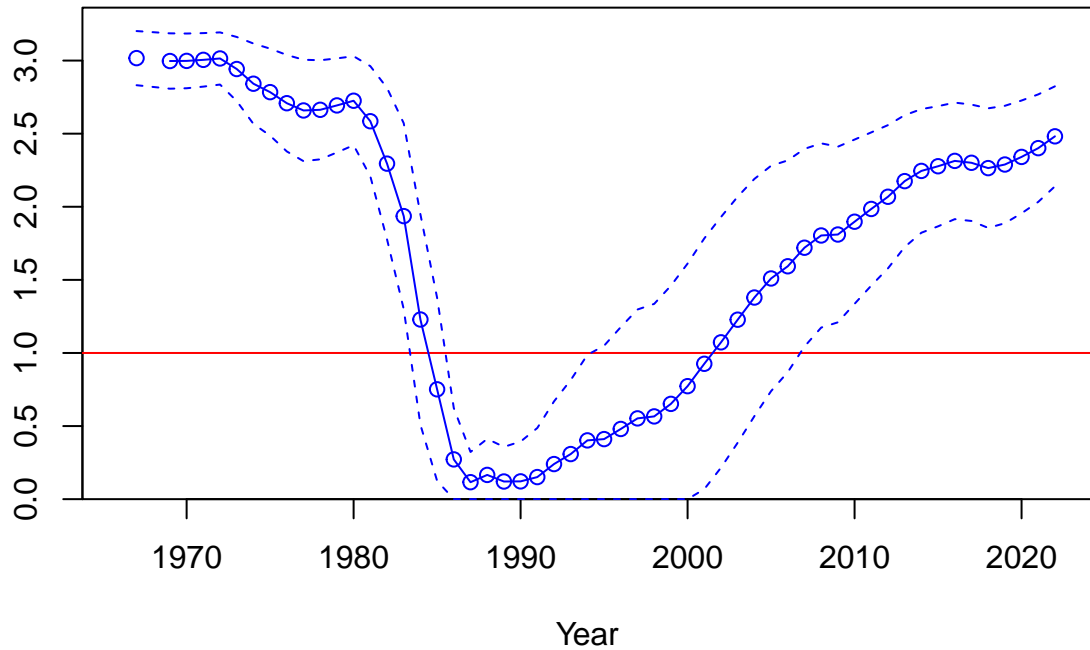


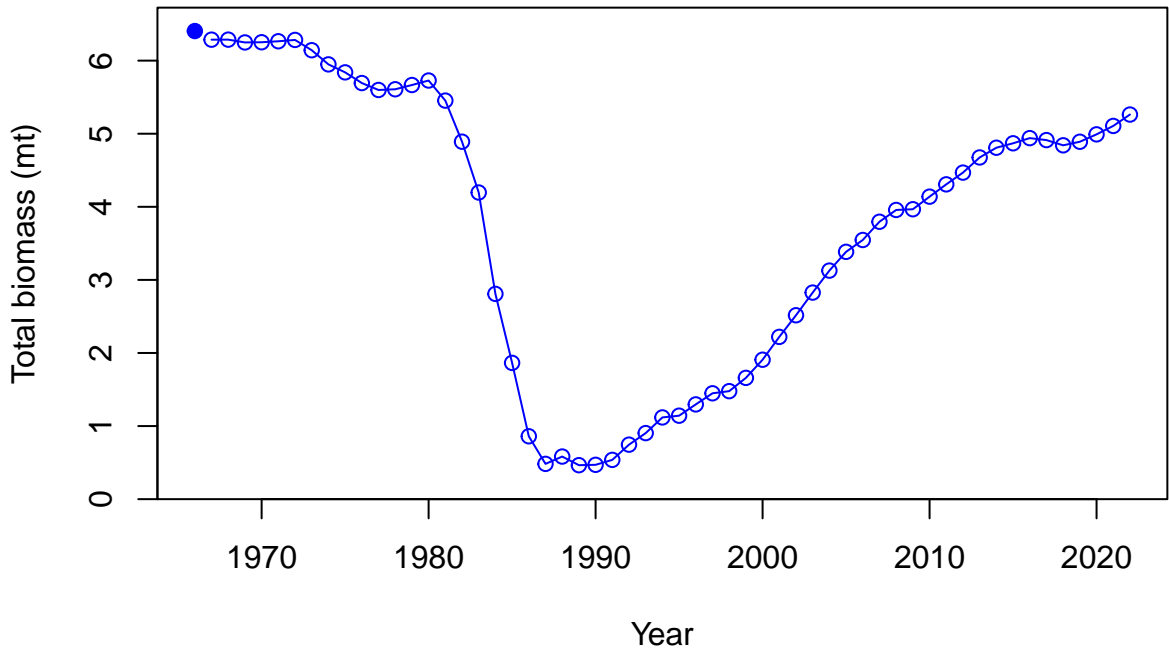


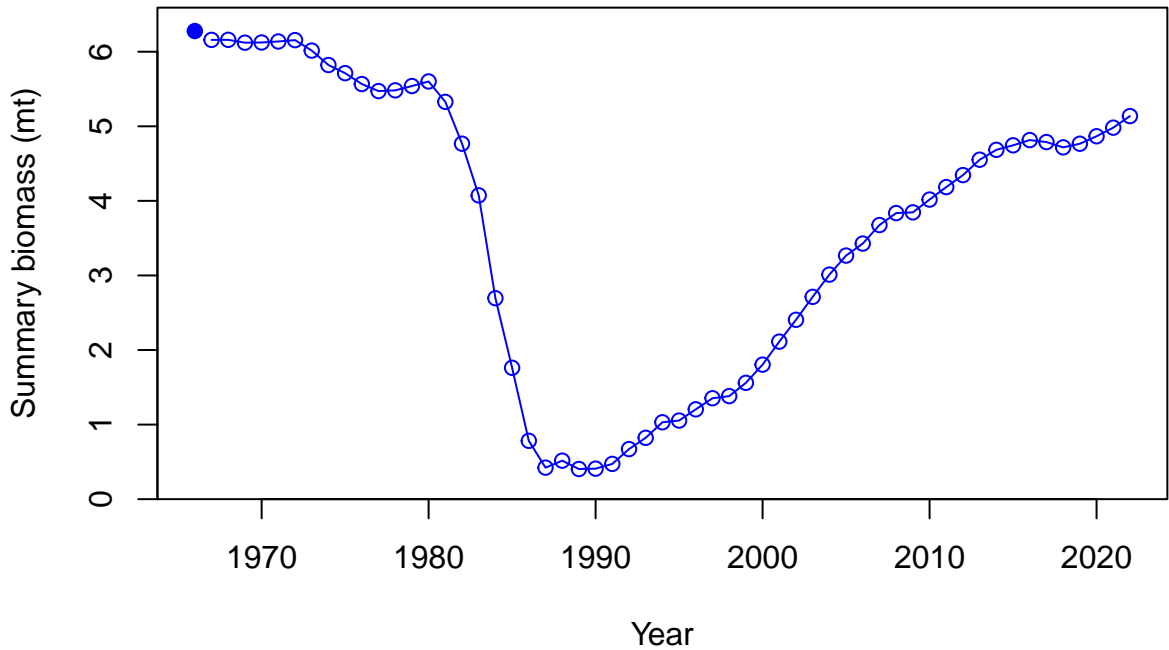
Relative spawning biomass:  $B/B_{MSY}$



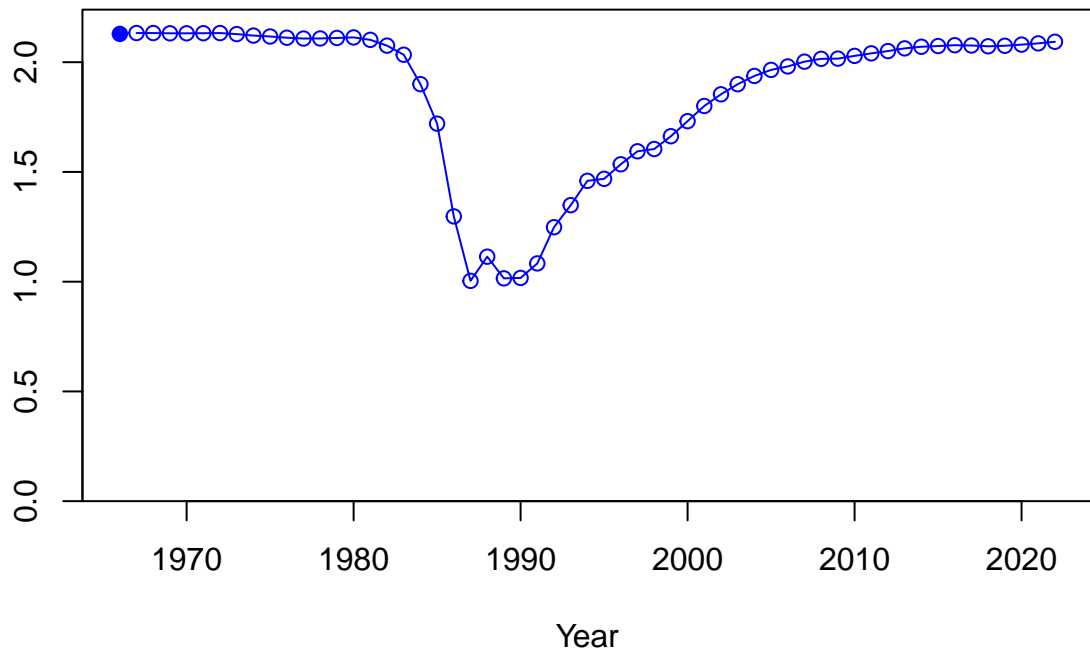
Relative spawning biomass:  $B/B_{MSY}$



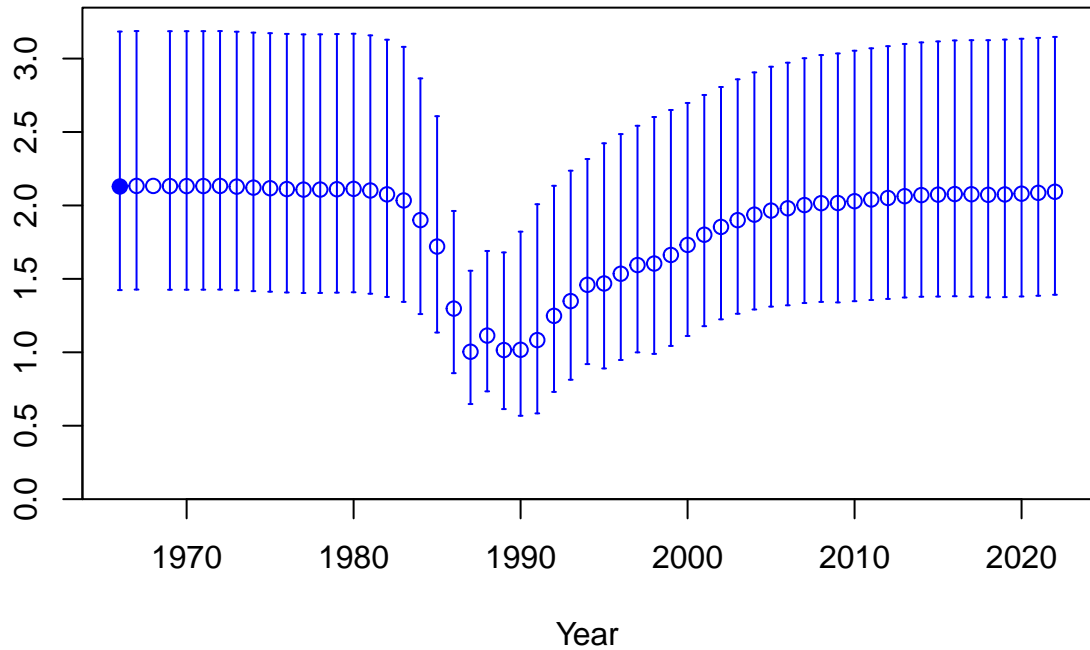




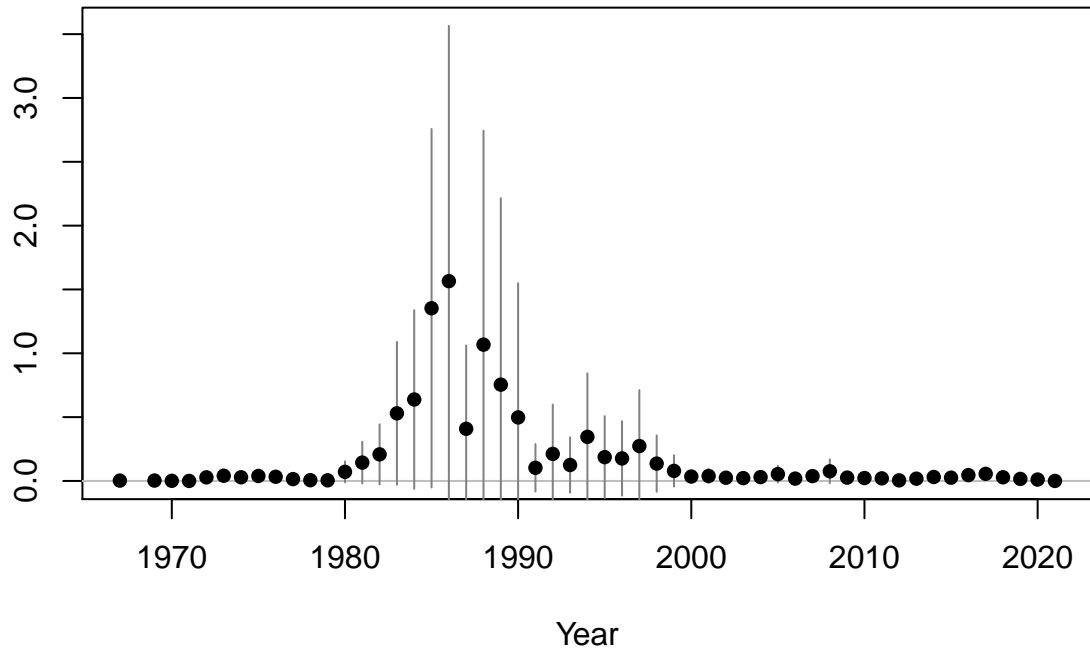
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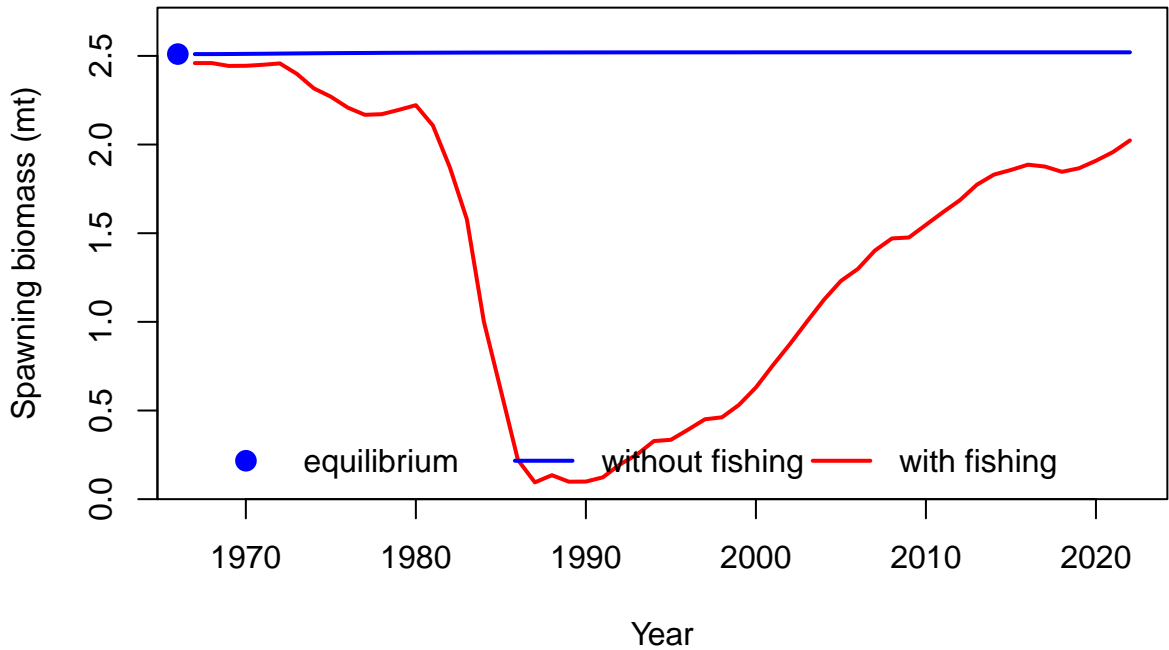


Age-0 recruits (1,000s)

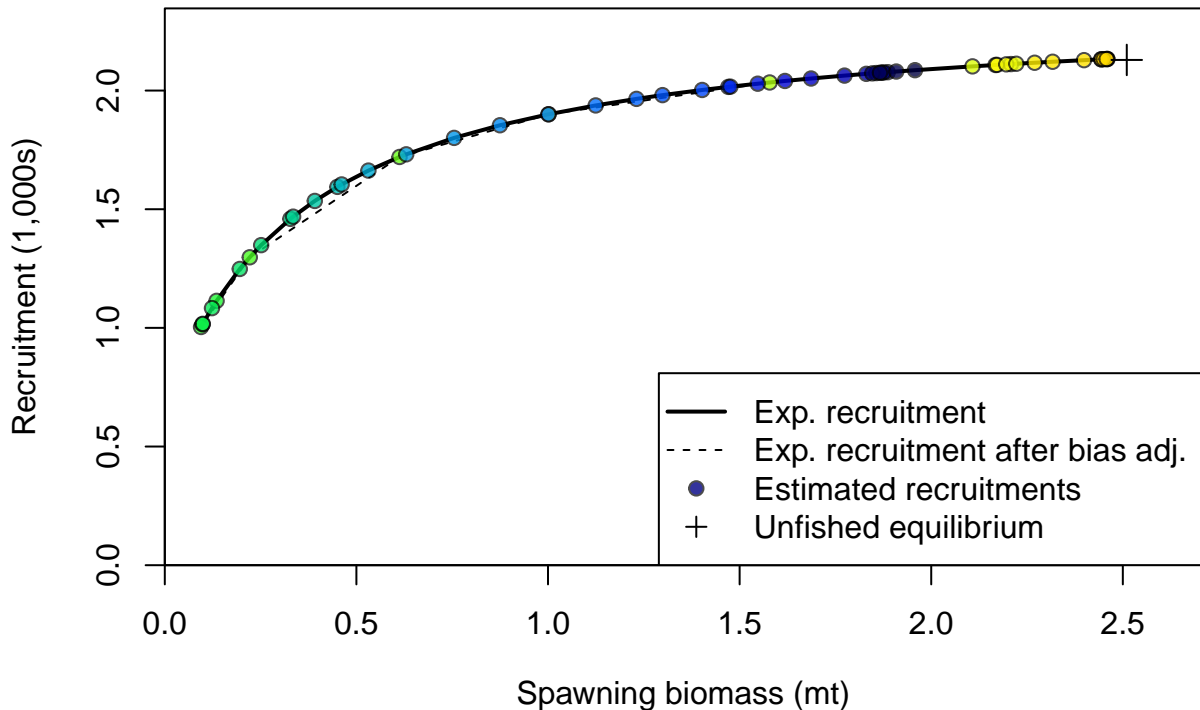


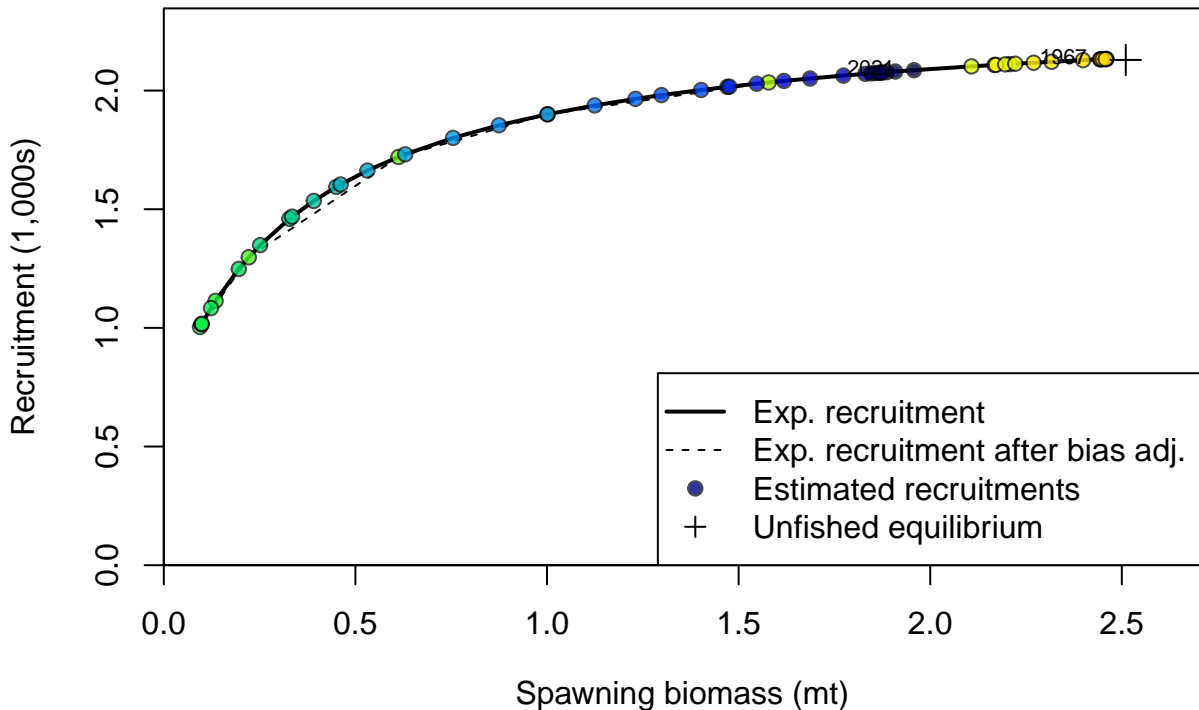
Summary Fishing Mortality

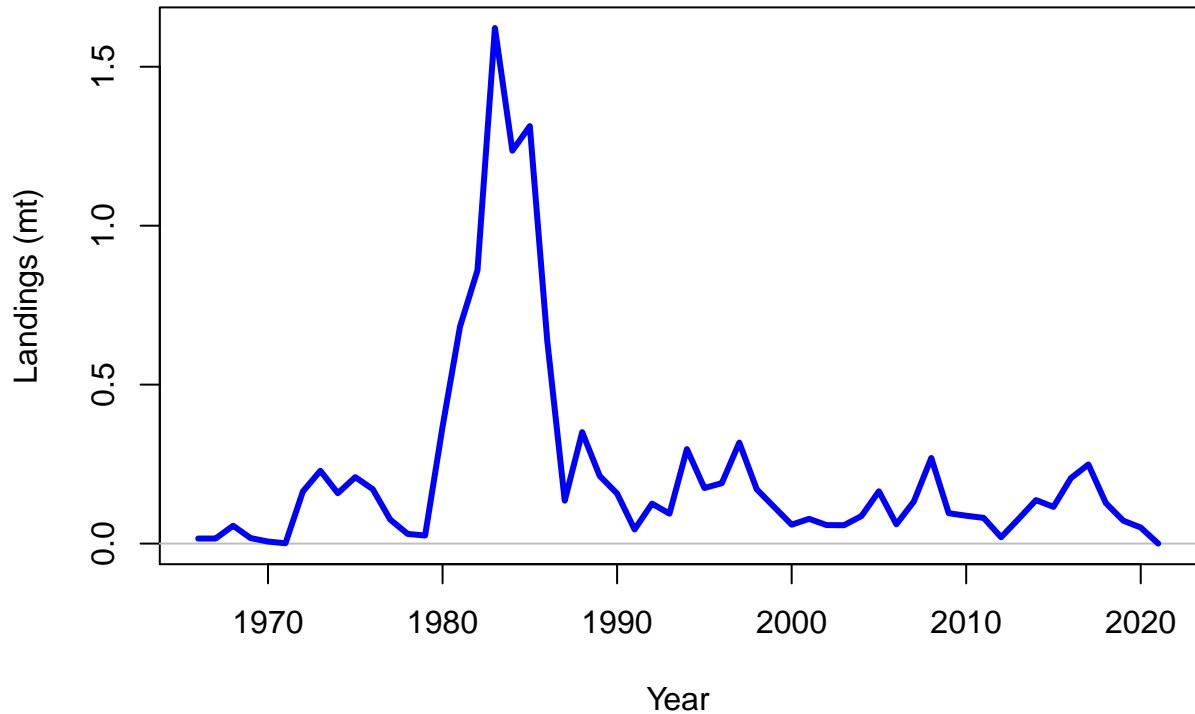


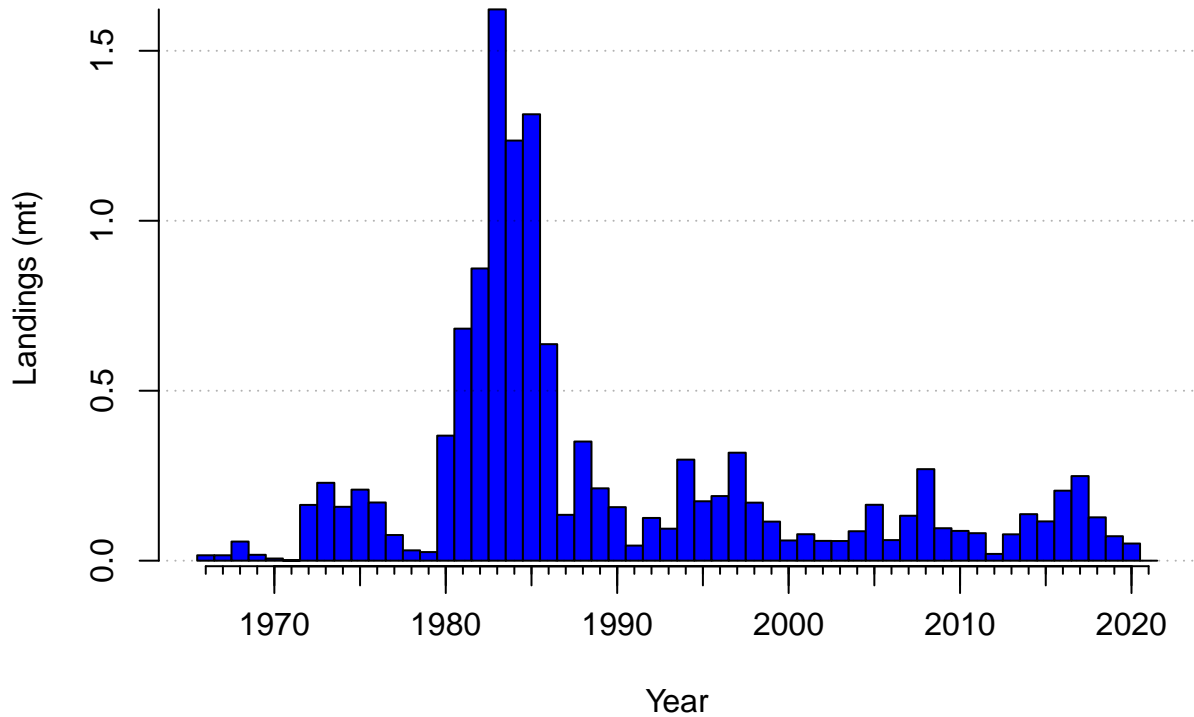


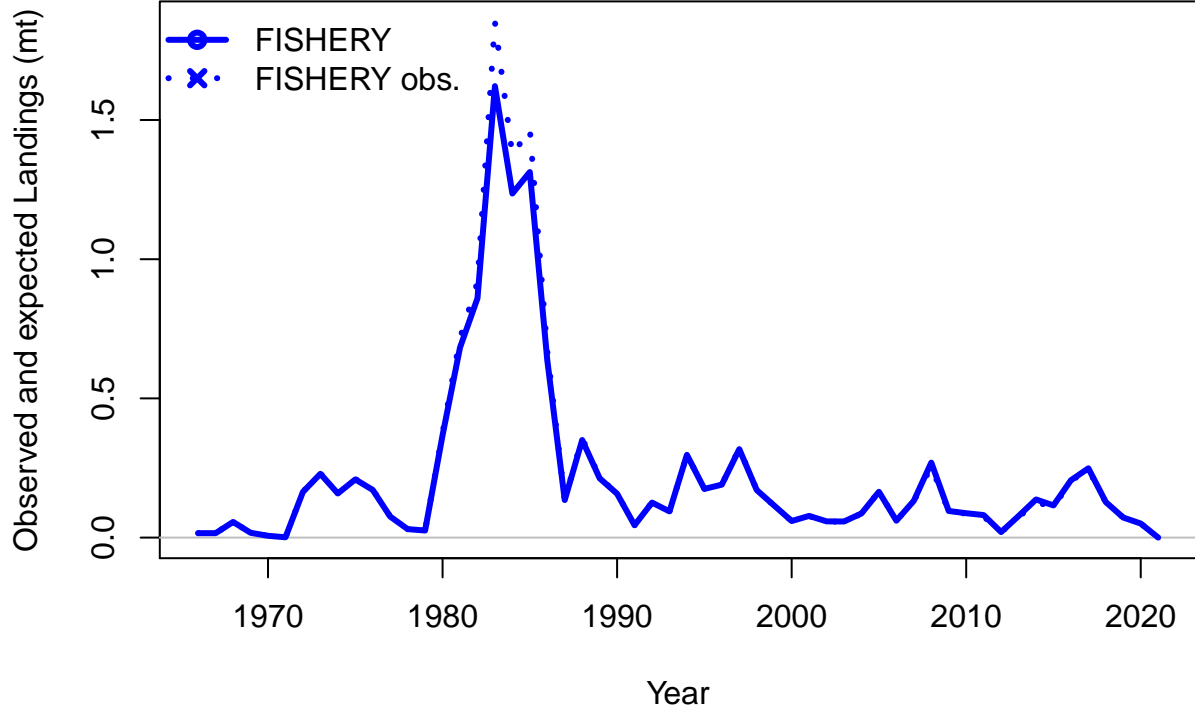


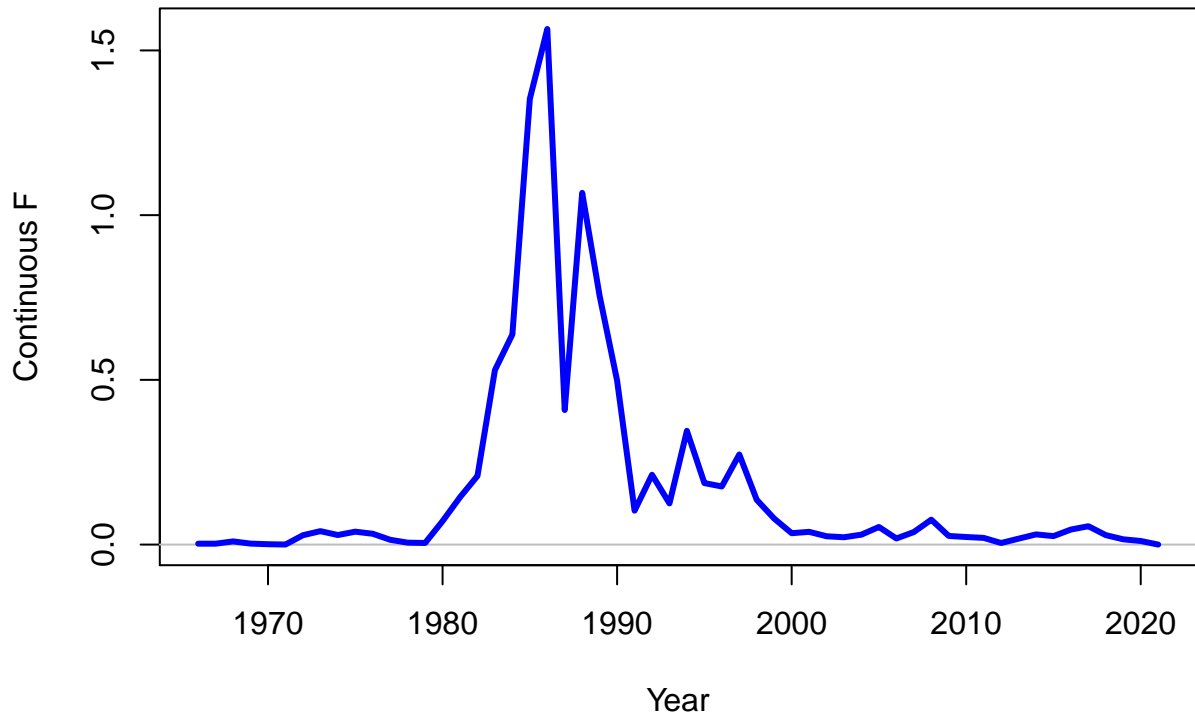




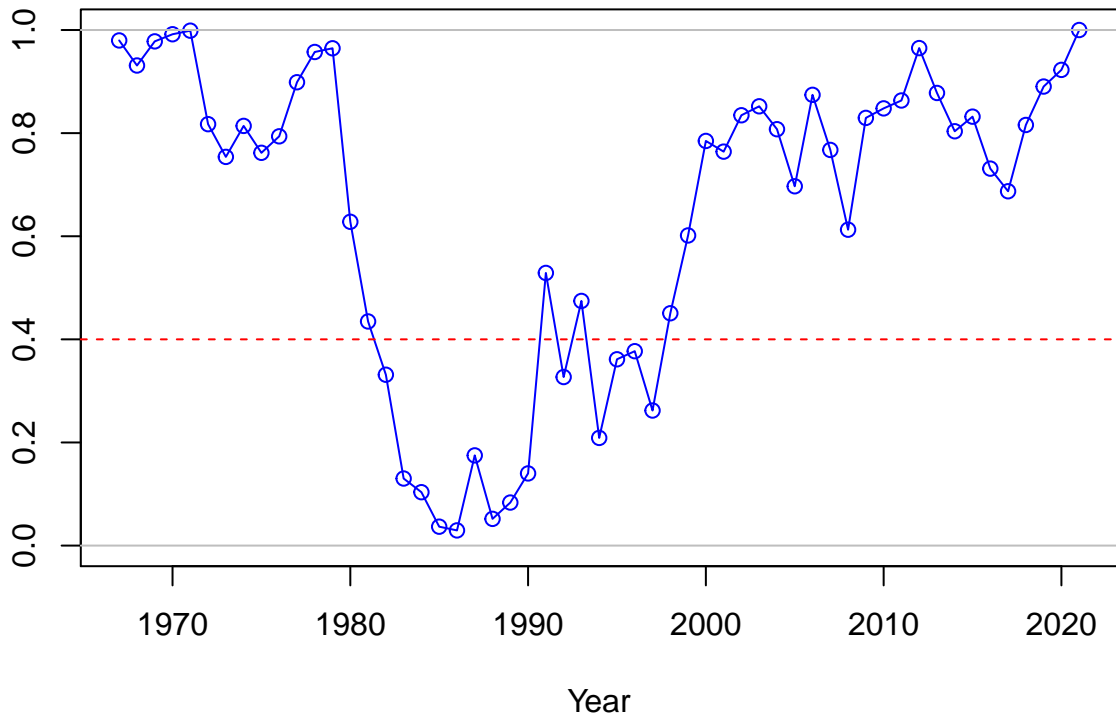




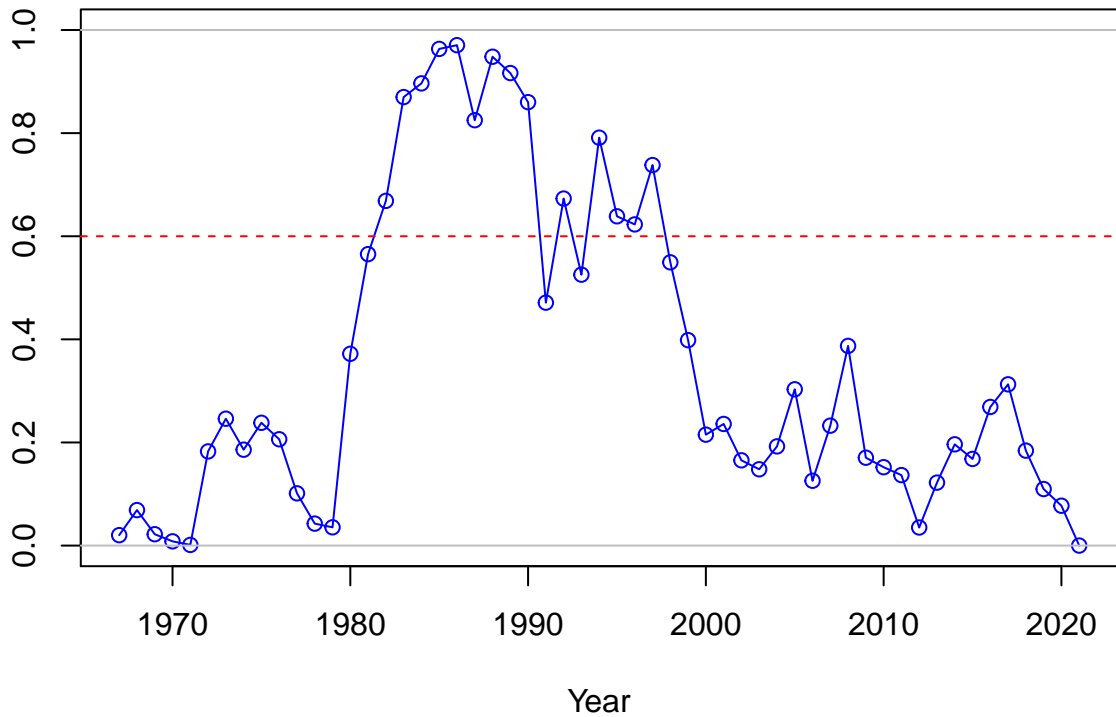




SPR

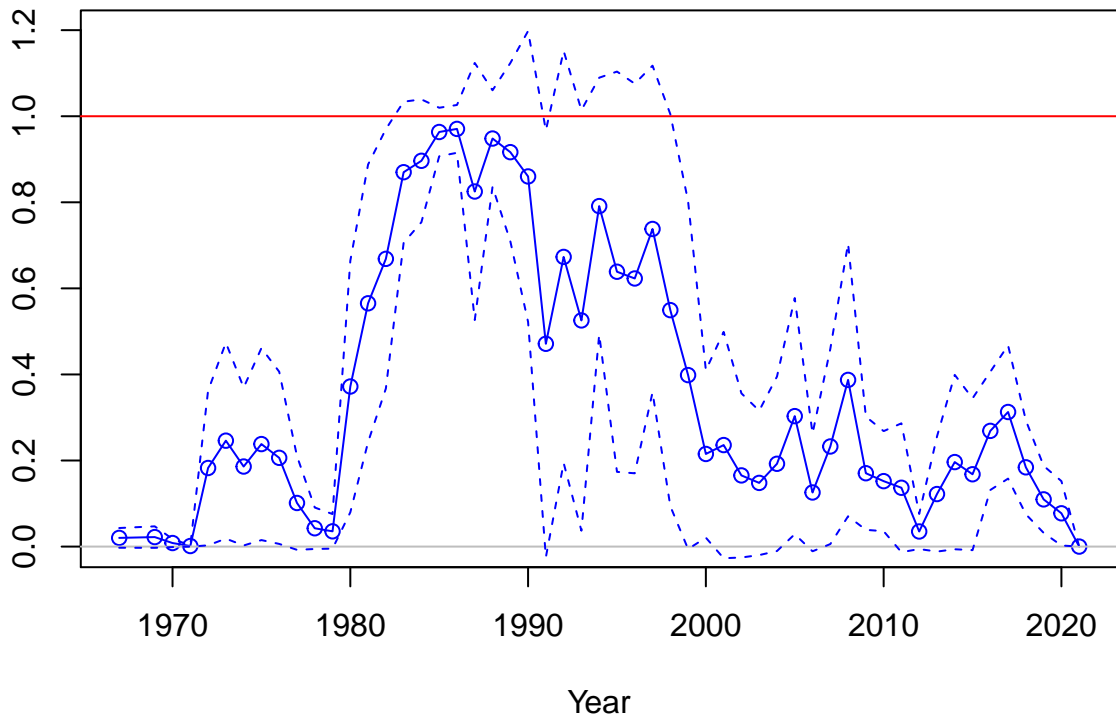


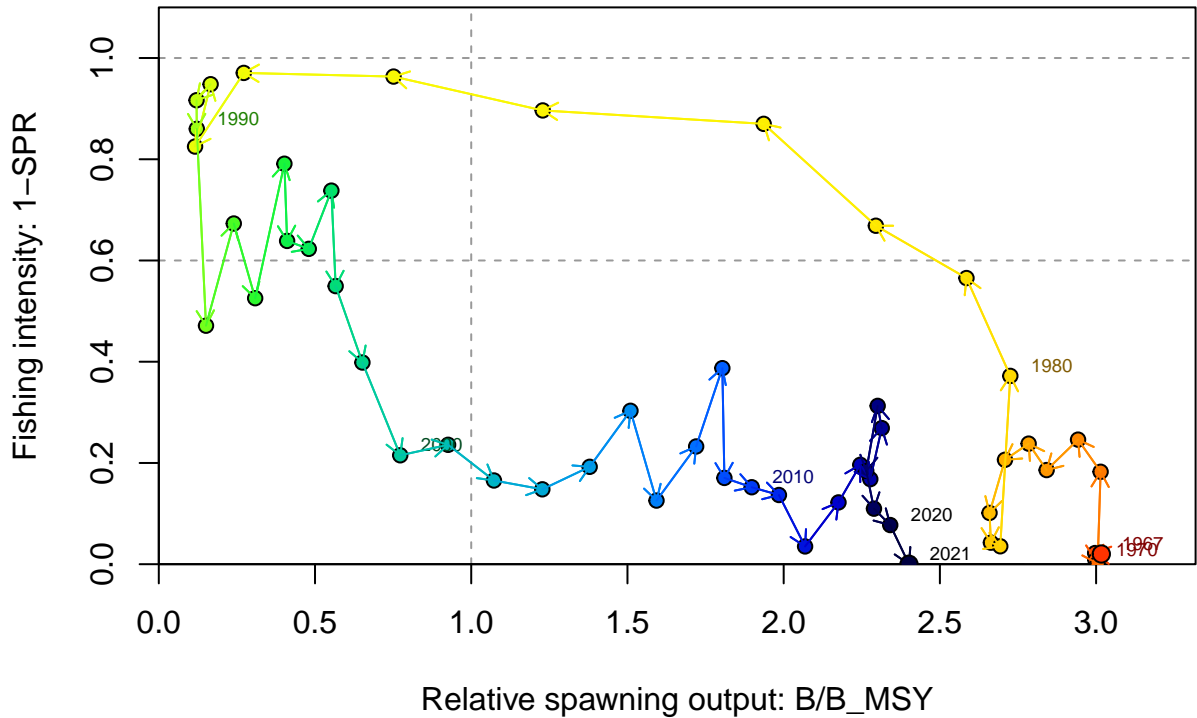
1-SPR





Fishing intensity: 1-SPR





Index

1.5  
1.0  
0.5  
0.0

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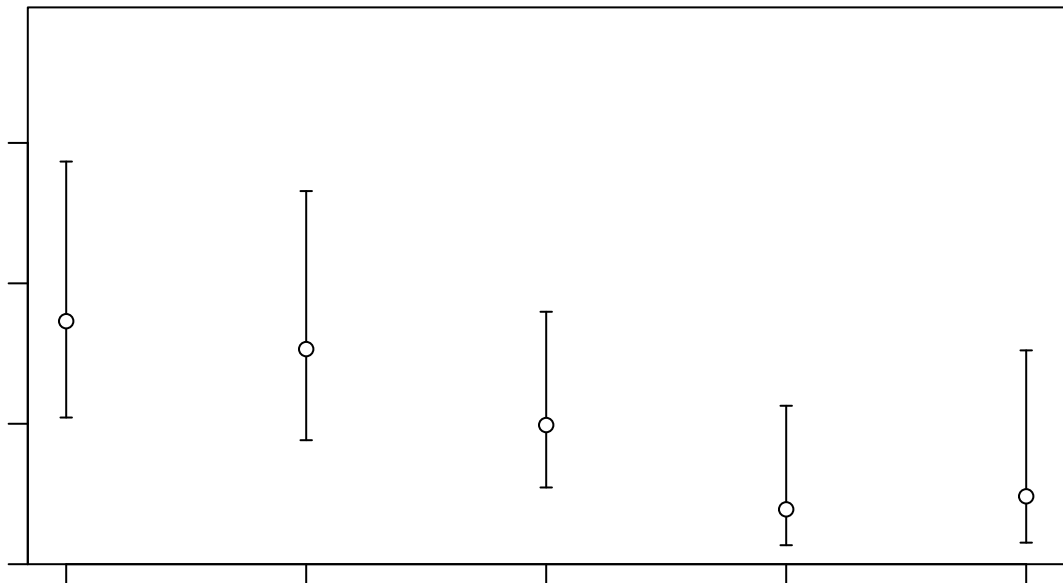
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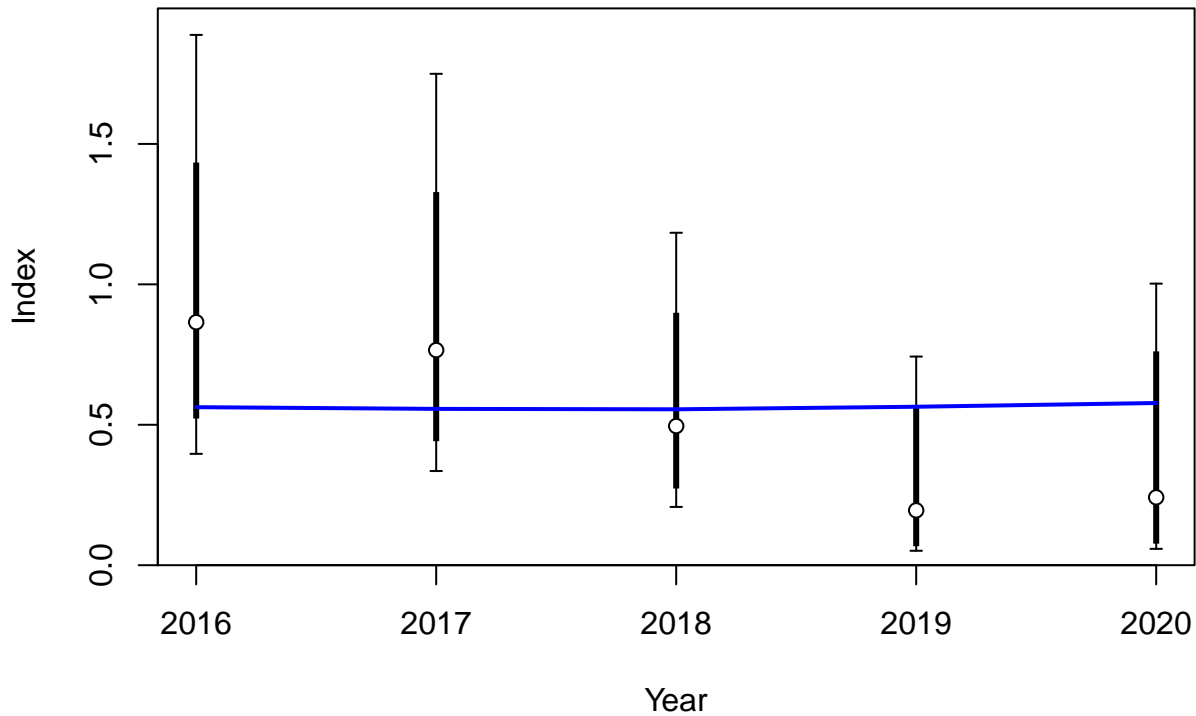
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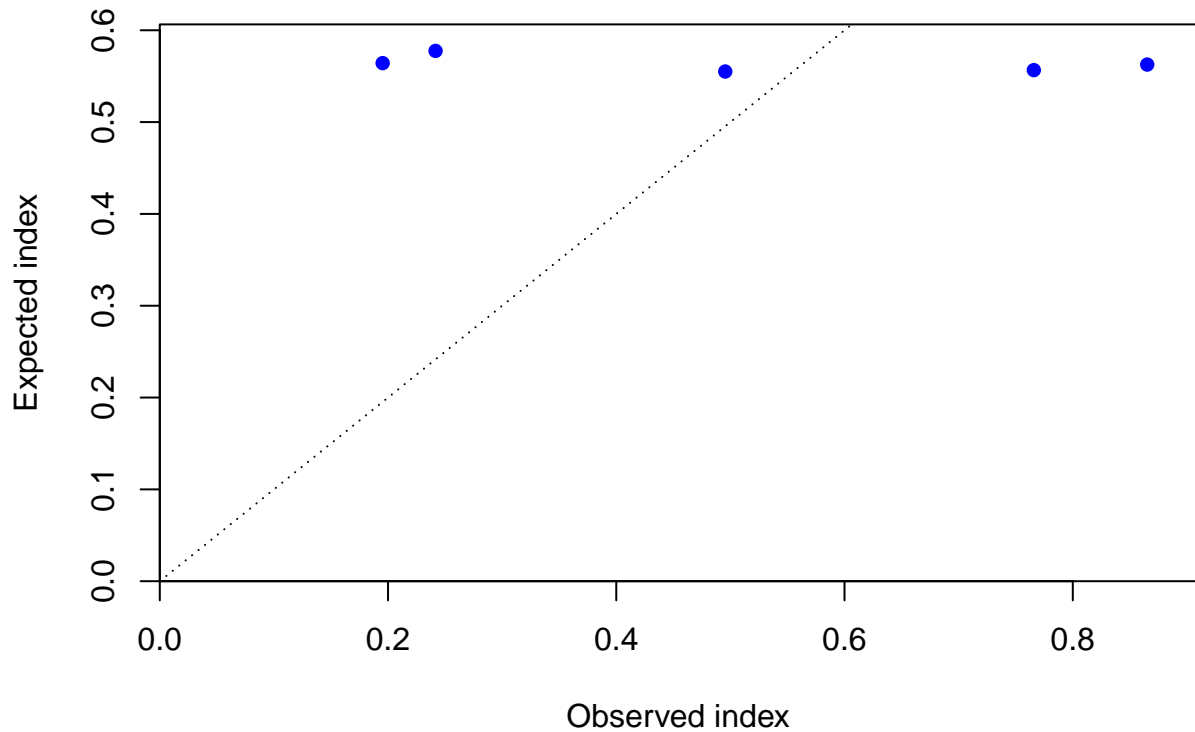
2019

2020

Year







Log index

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-1  
-2  
-3

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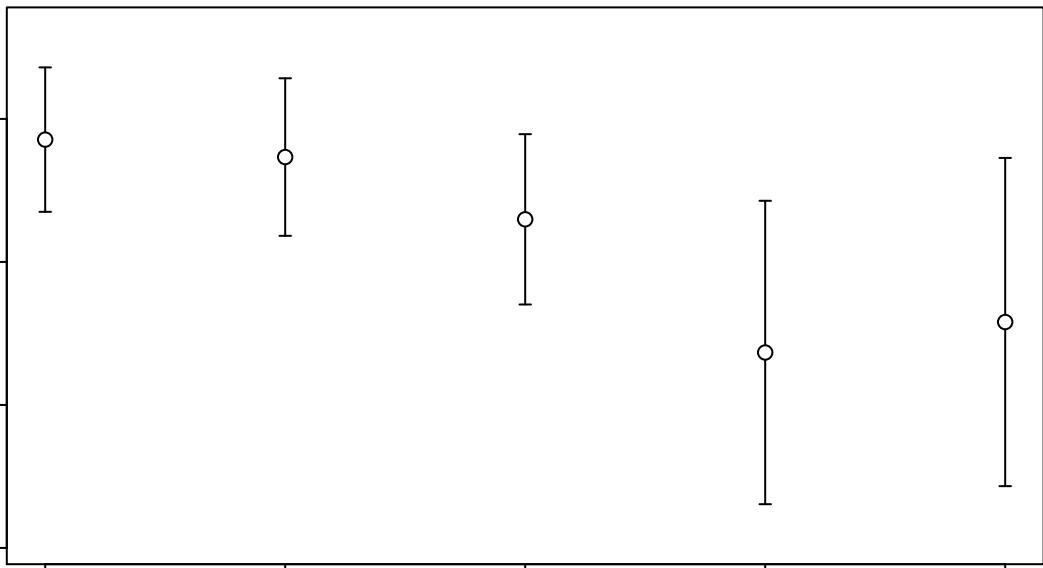
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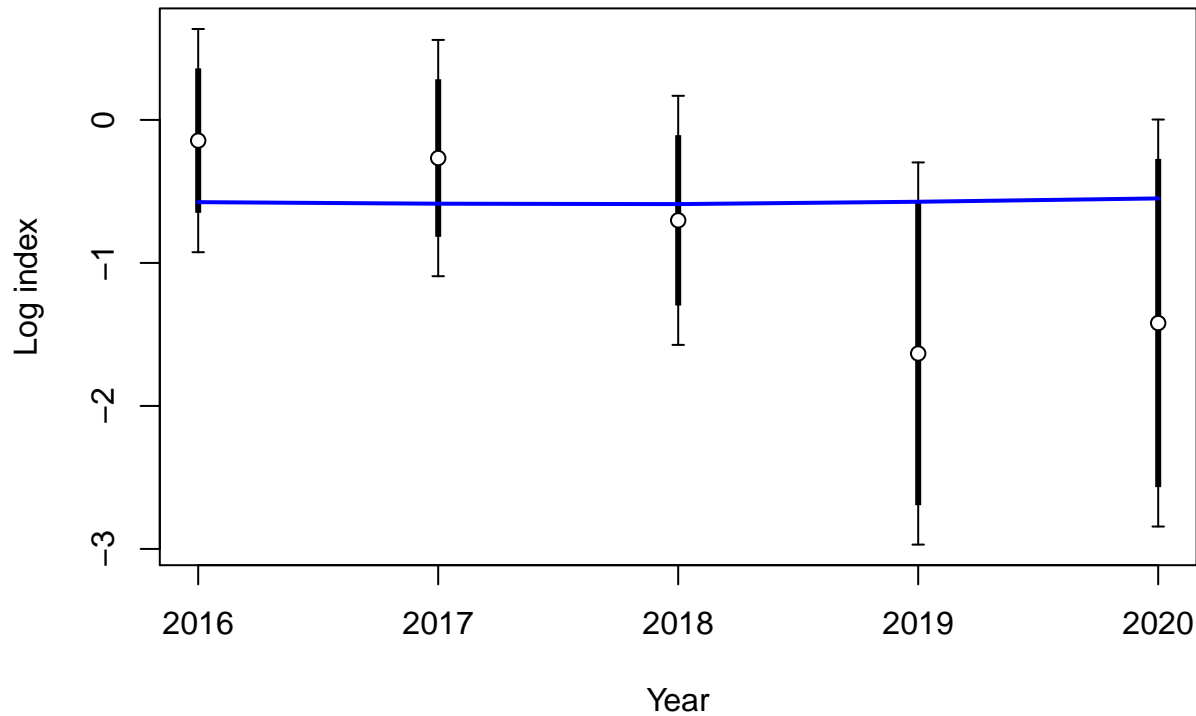
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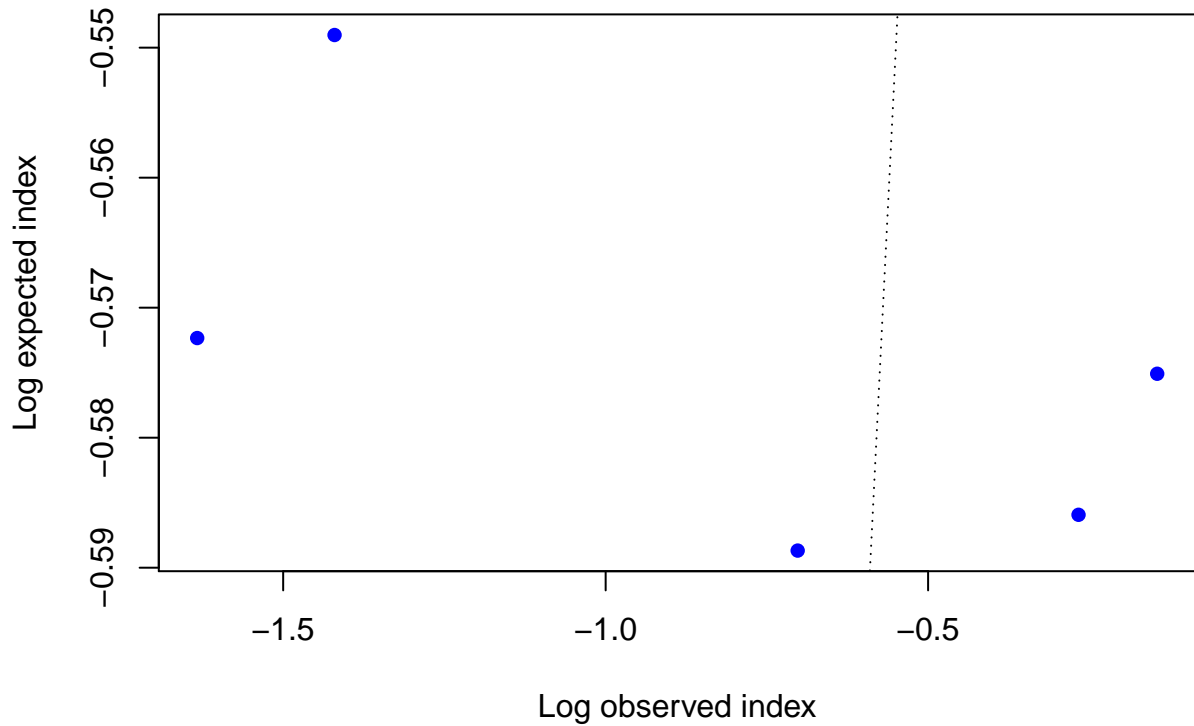
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2020

Year

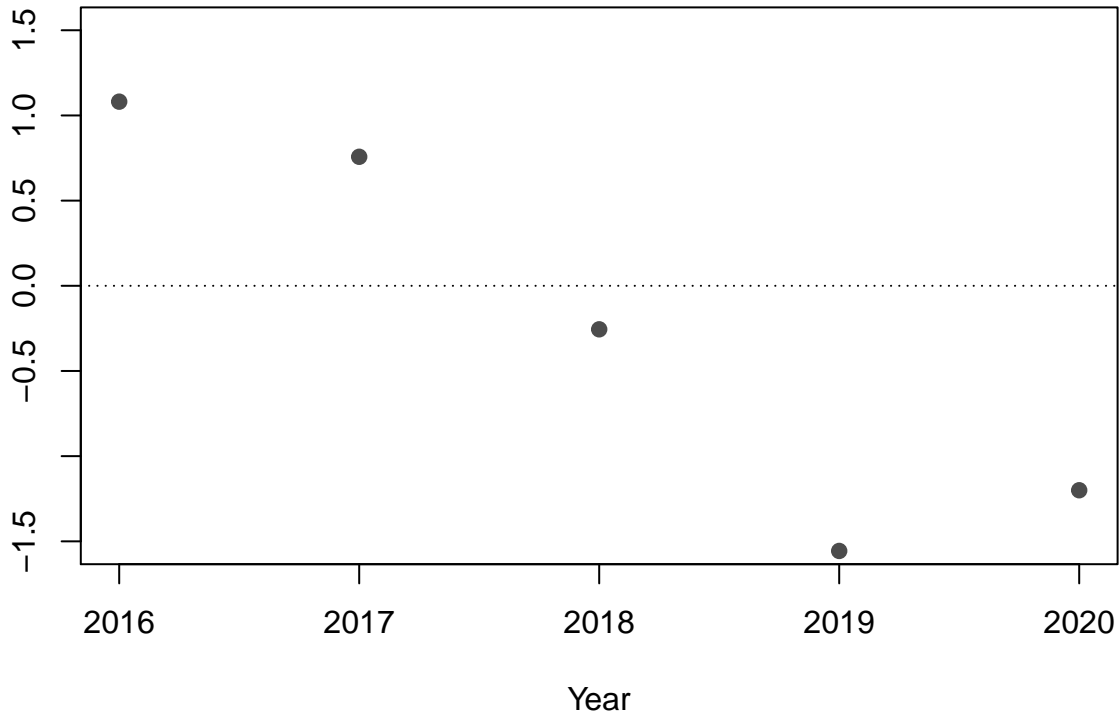




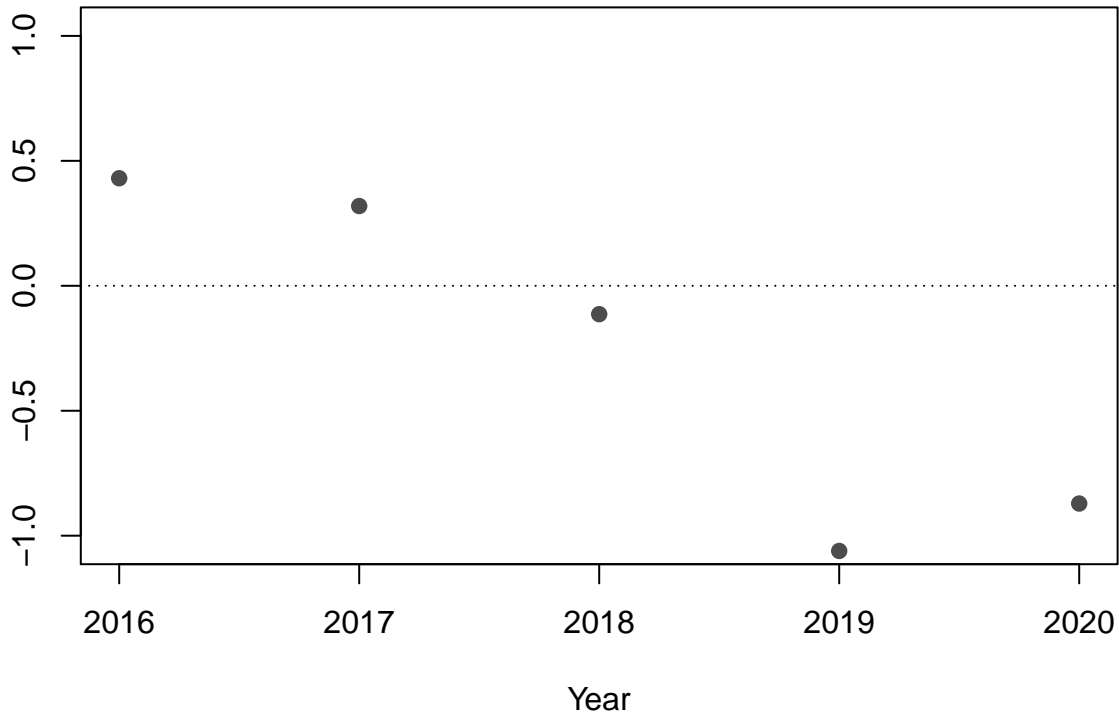




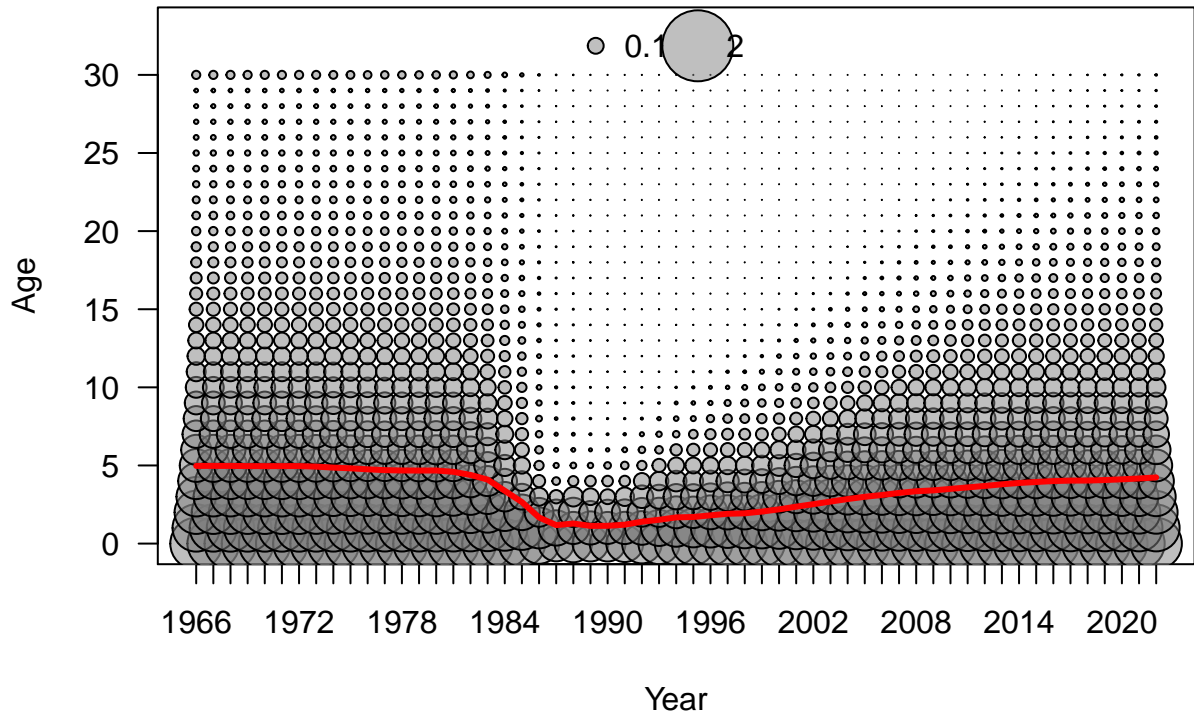
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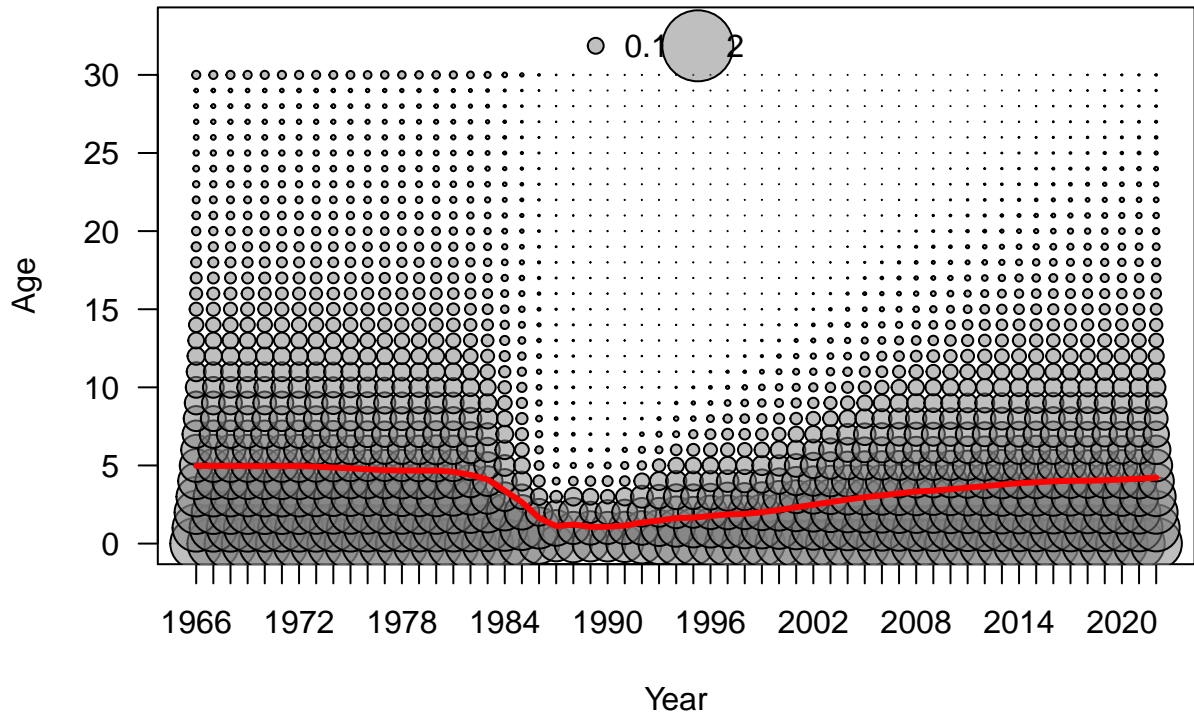


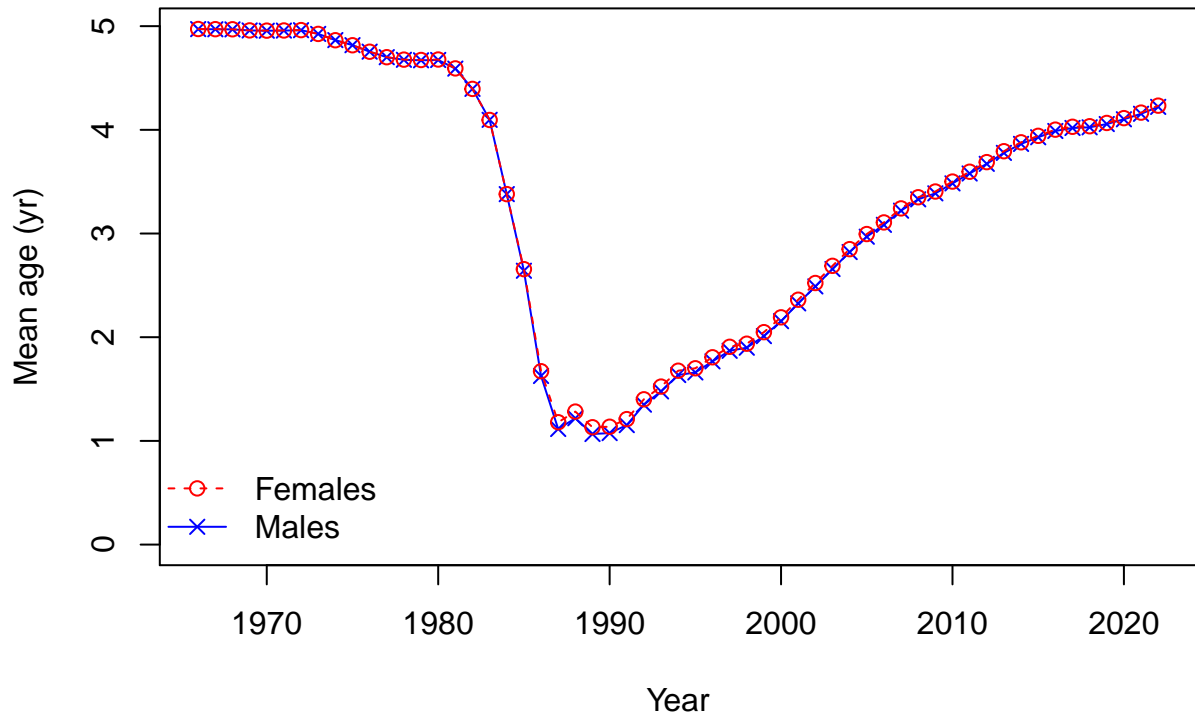
Deviation

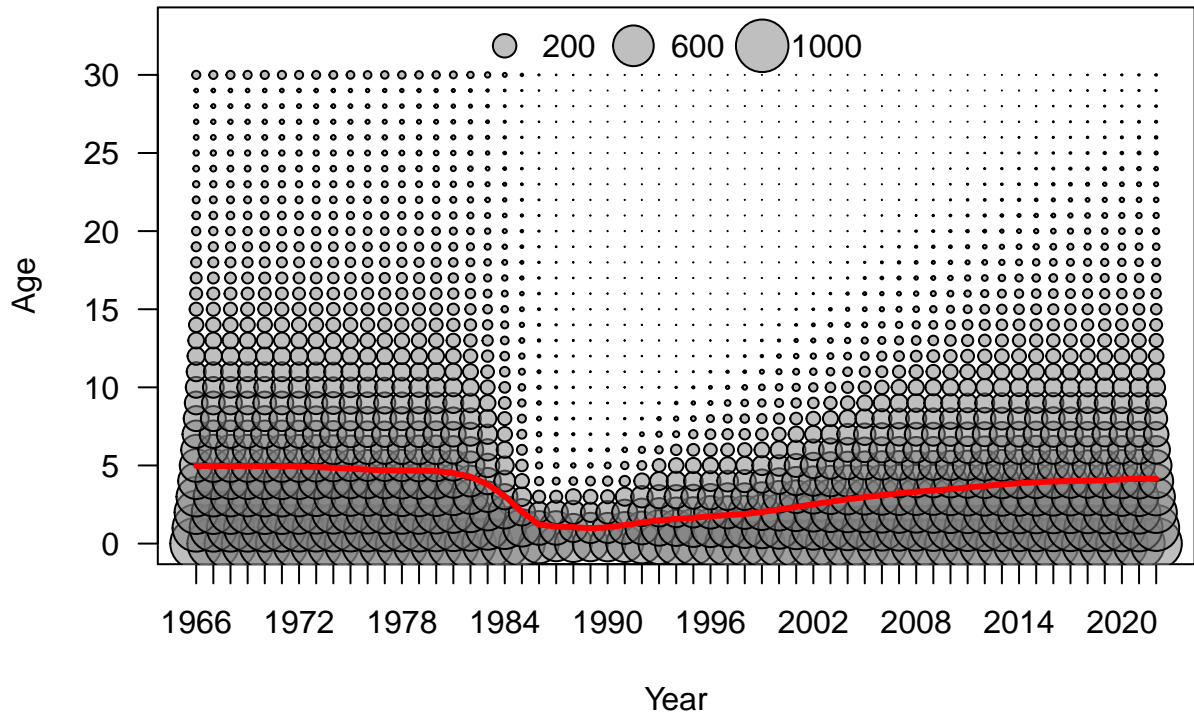


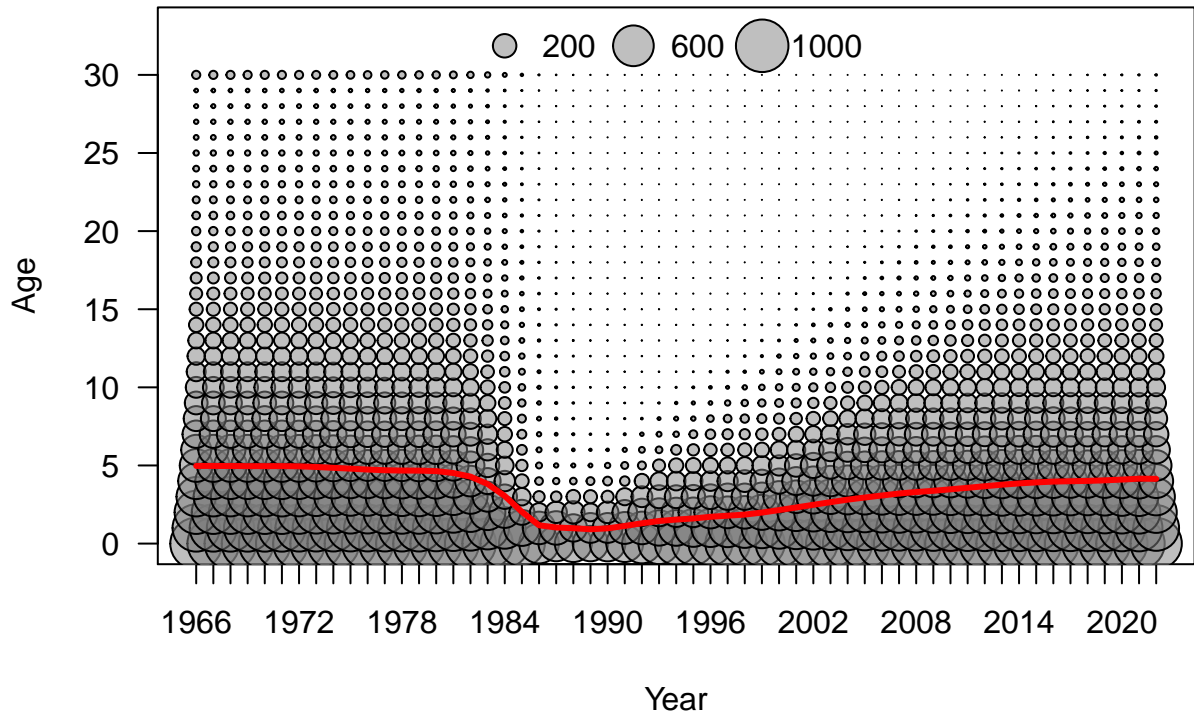




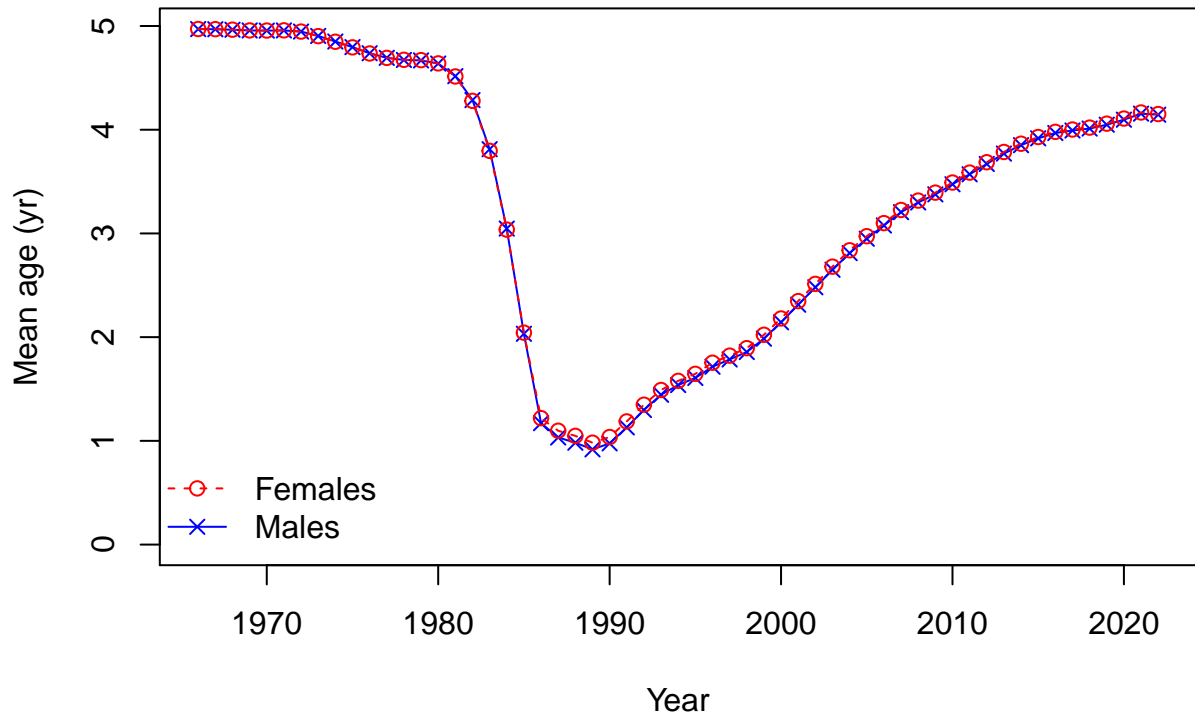


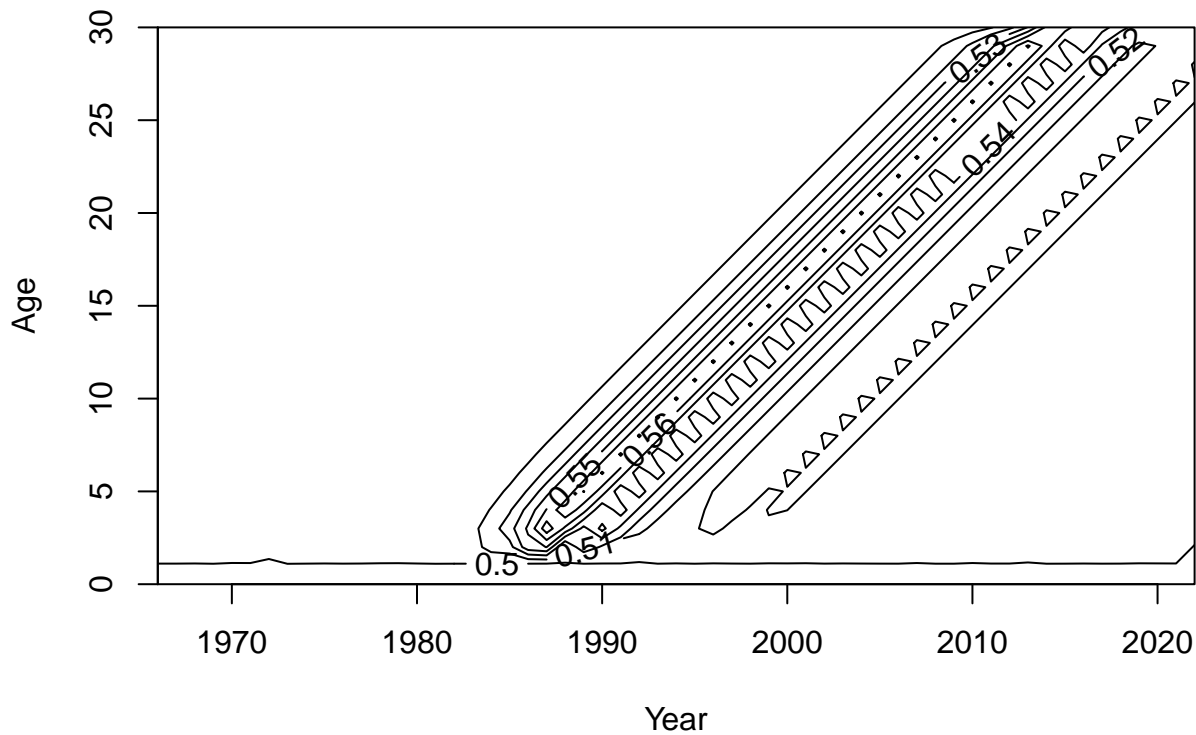


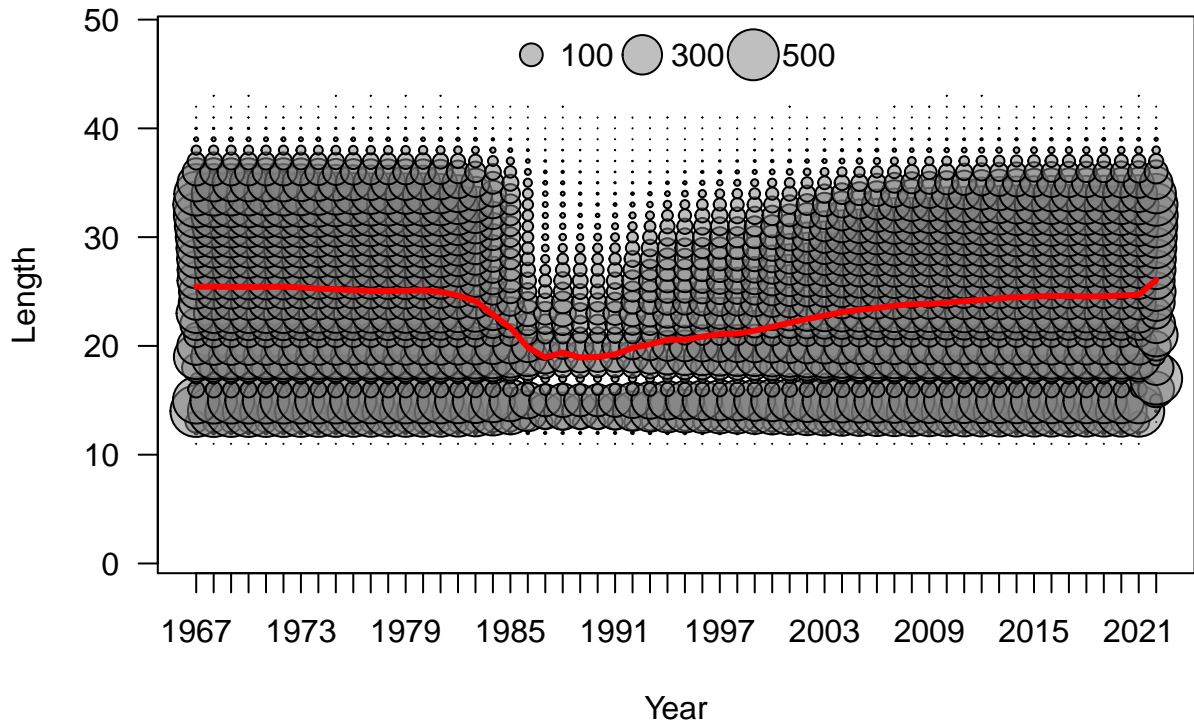


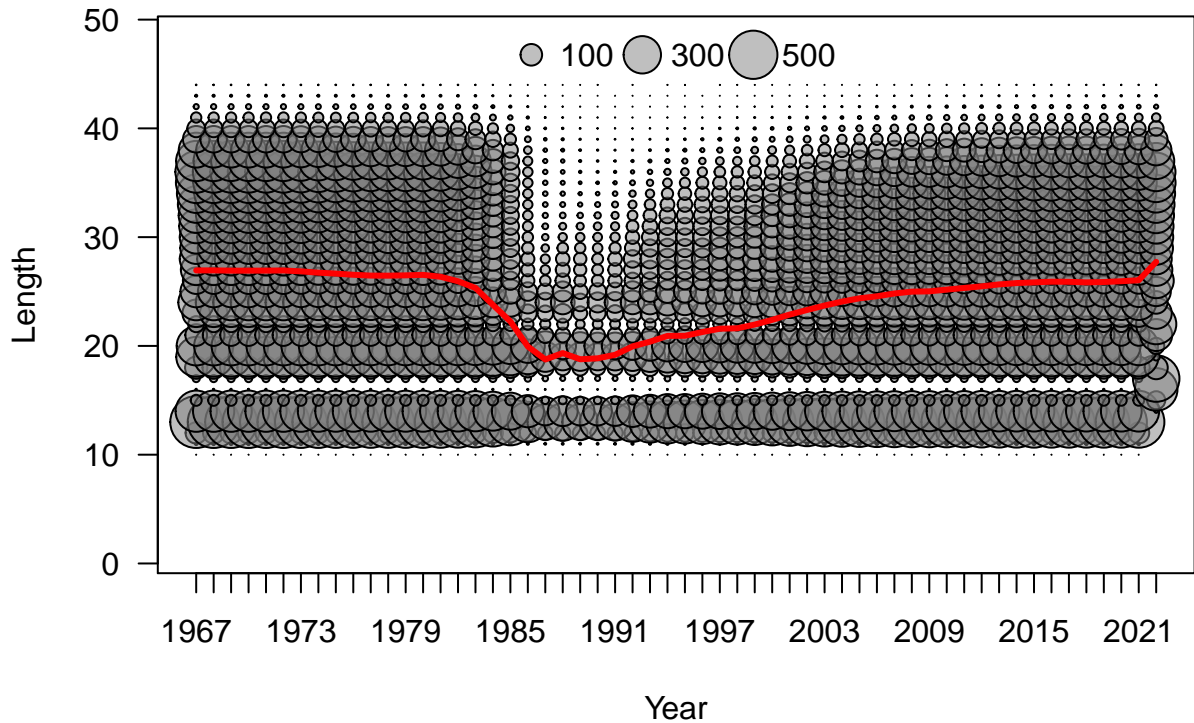


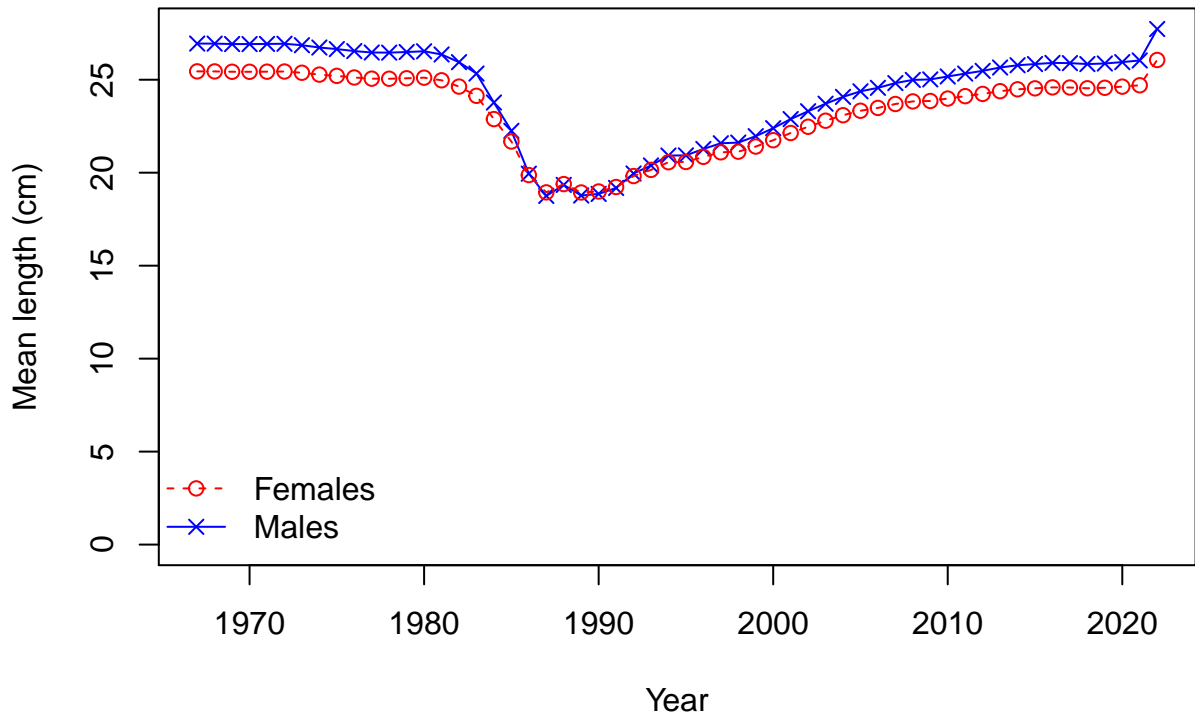


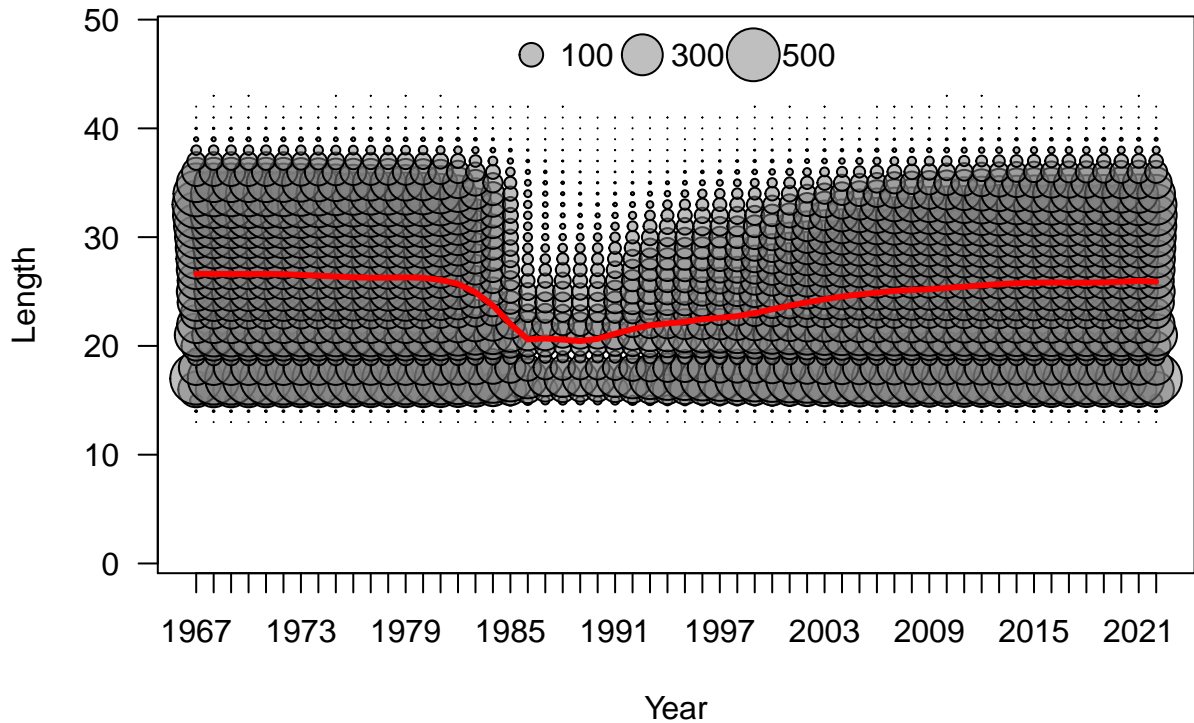


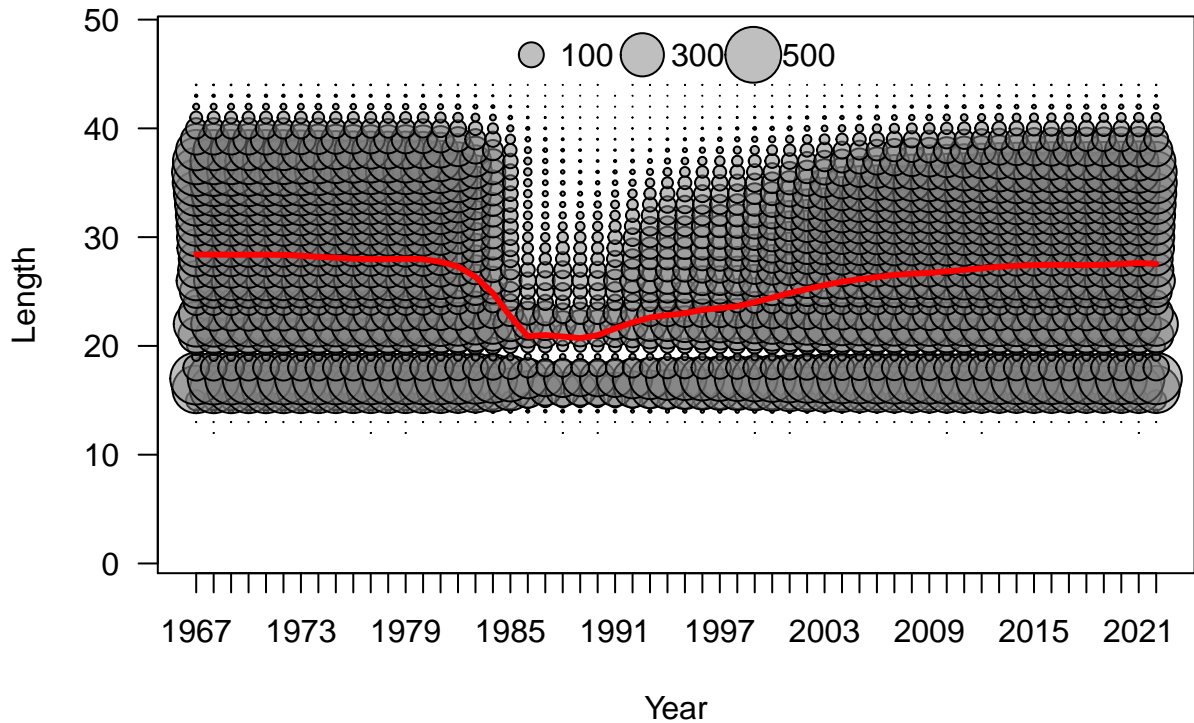


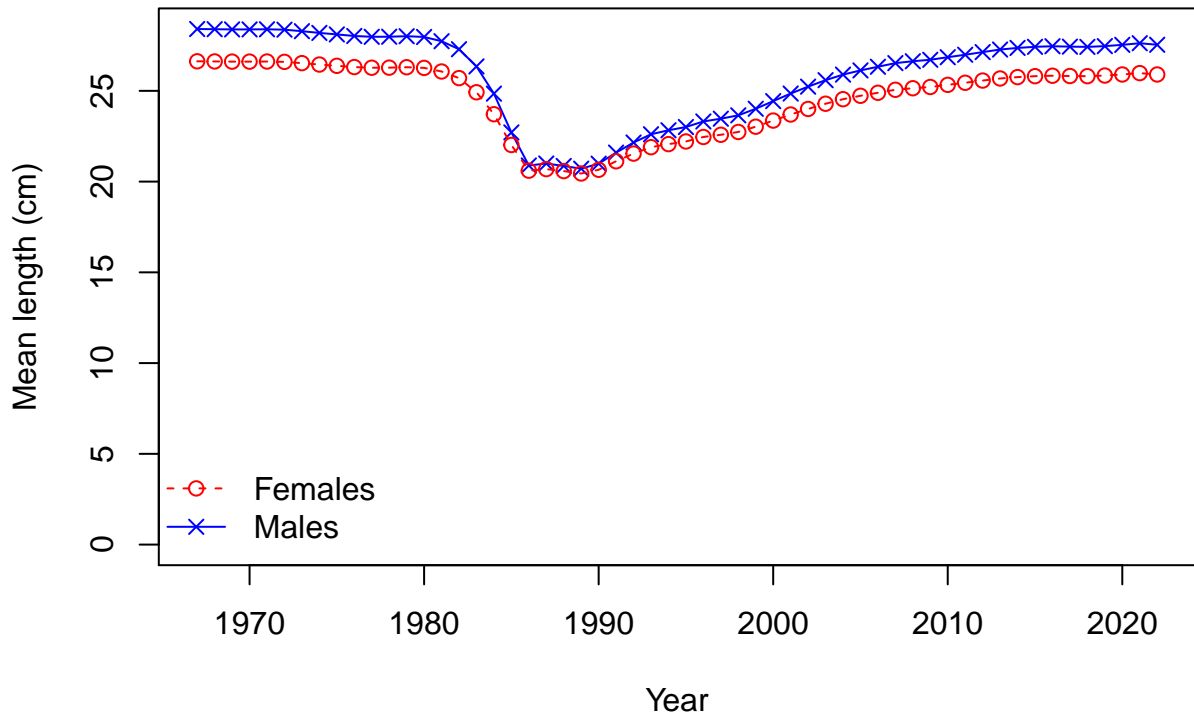




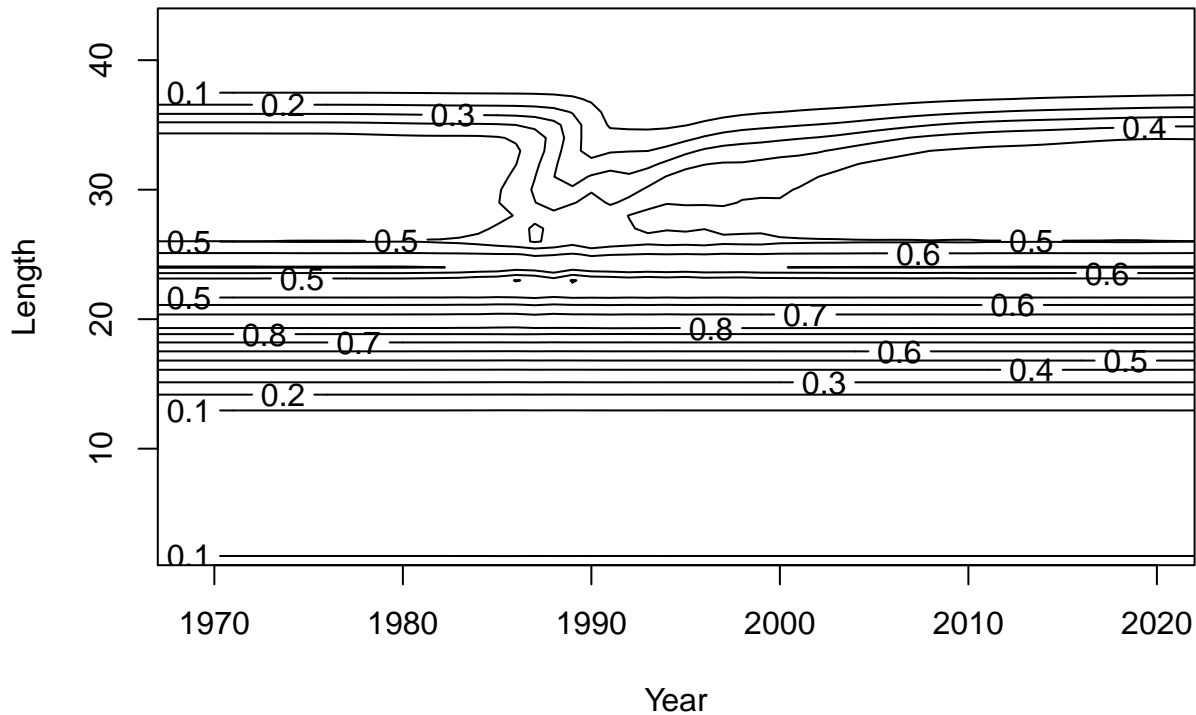


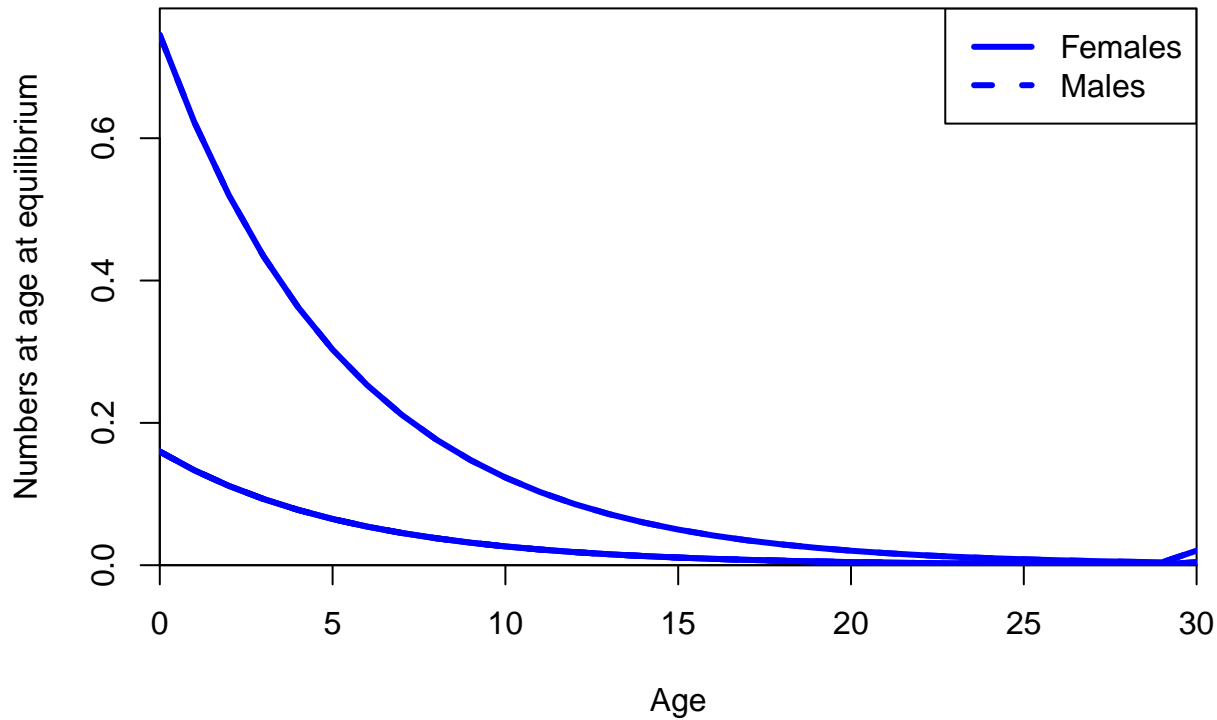






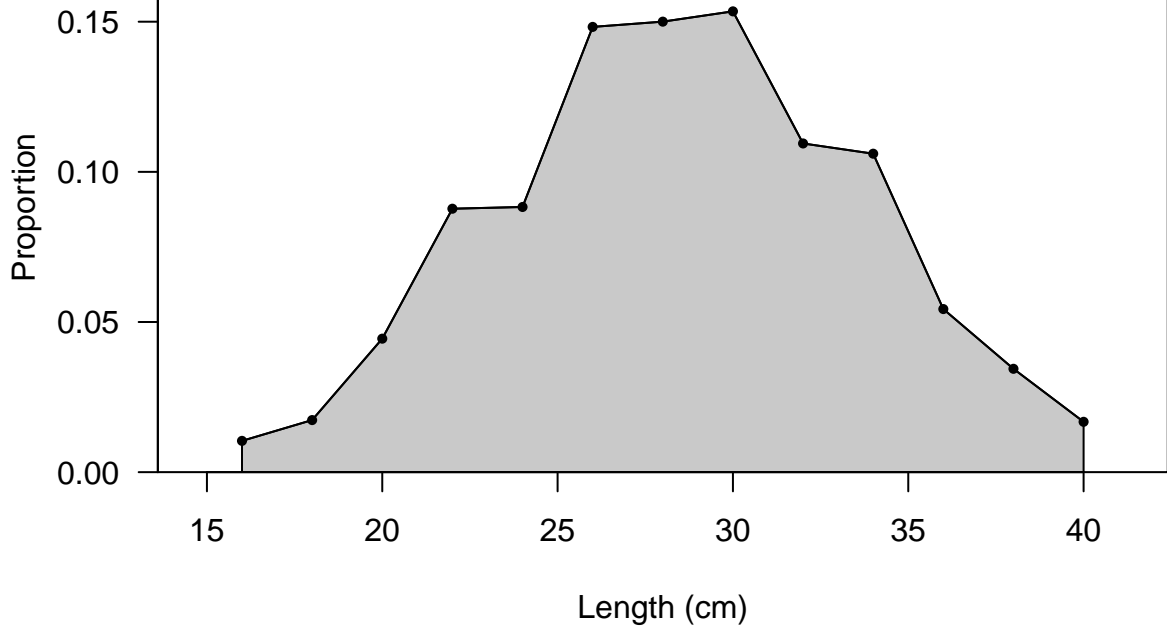






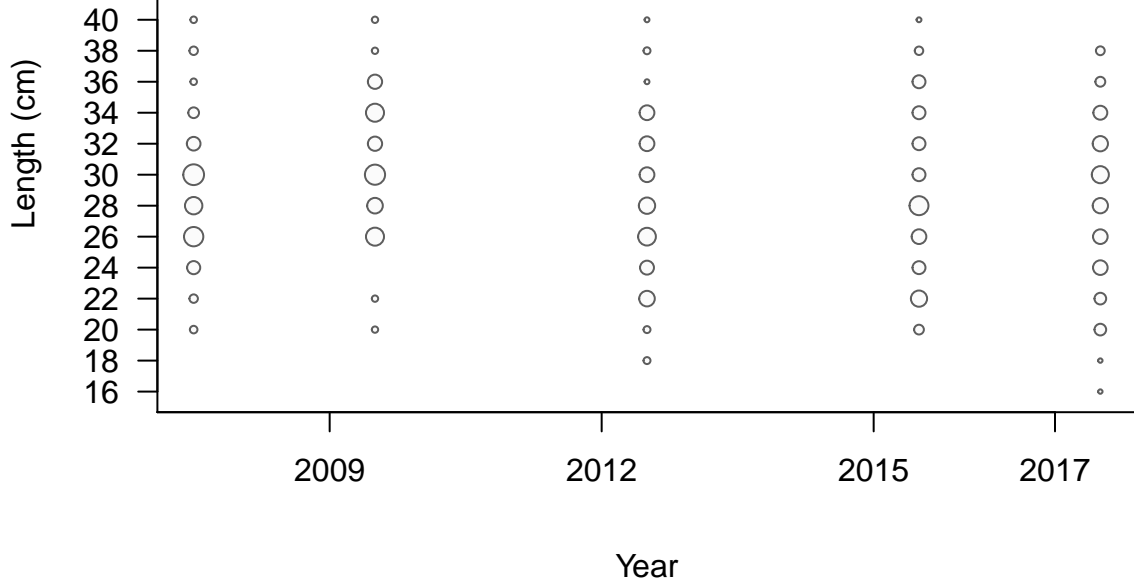
# FISHERY

Sum of N adj.=295.4

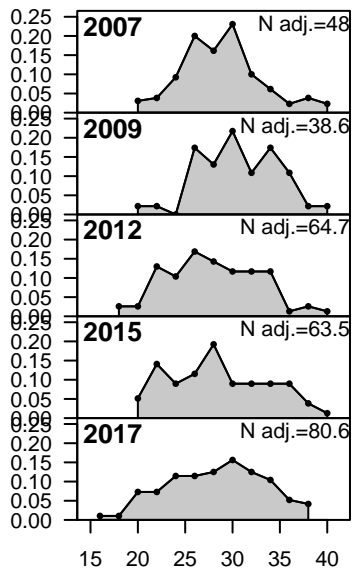


# FISHERY

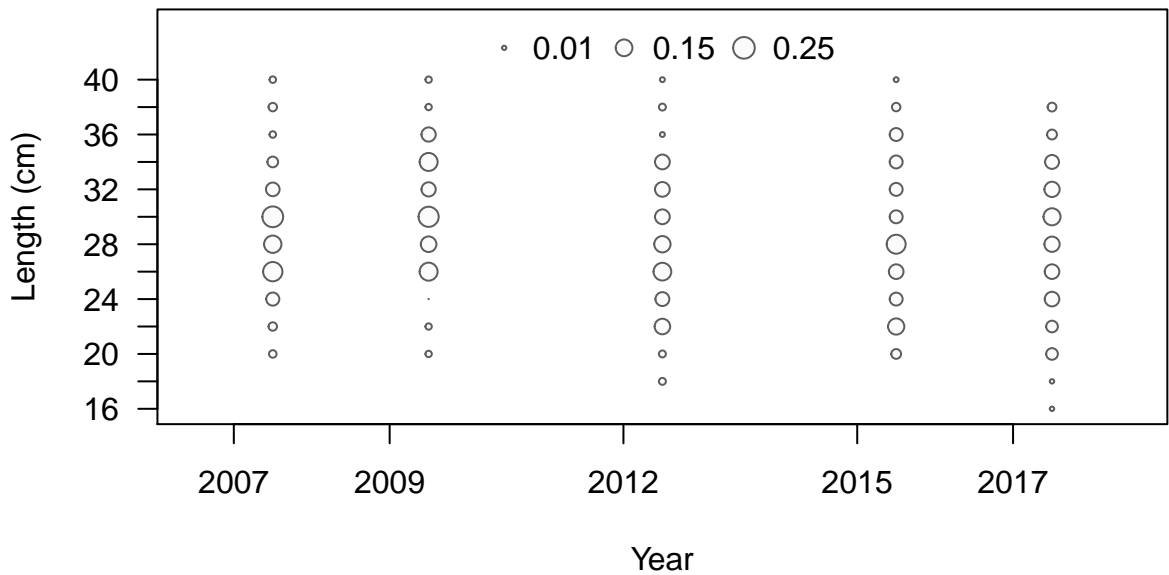
◦ 0.01 ○ 0.15 ○ 0.25



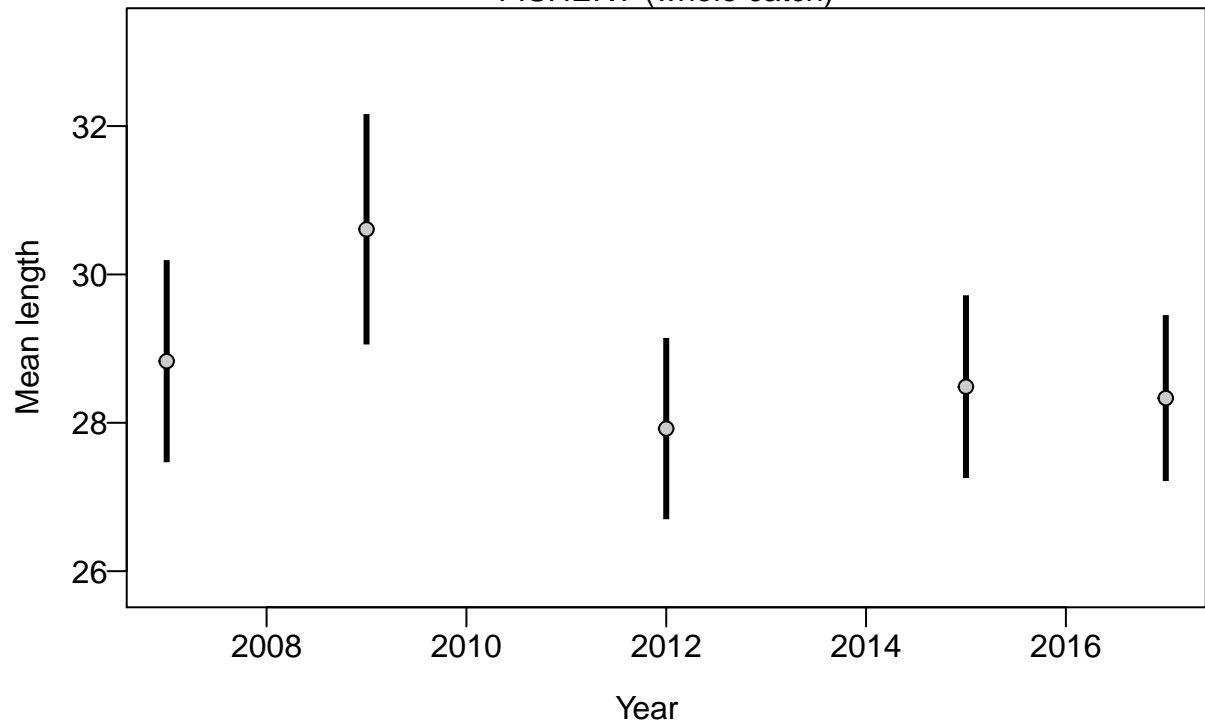
Proportion



Length (cm)

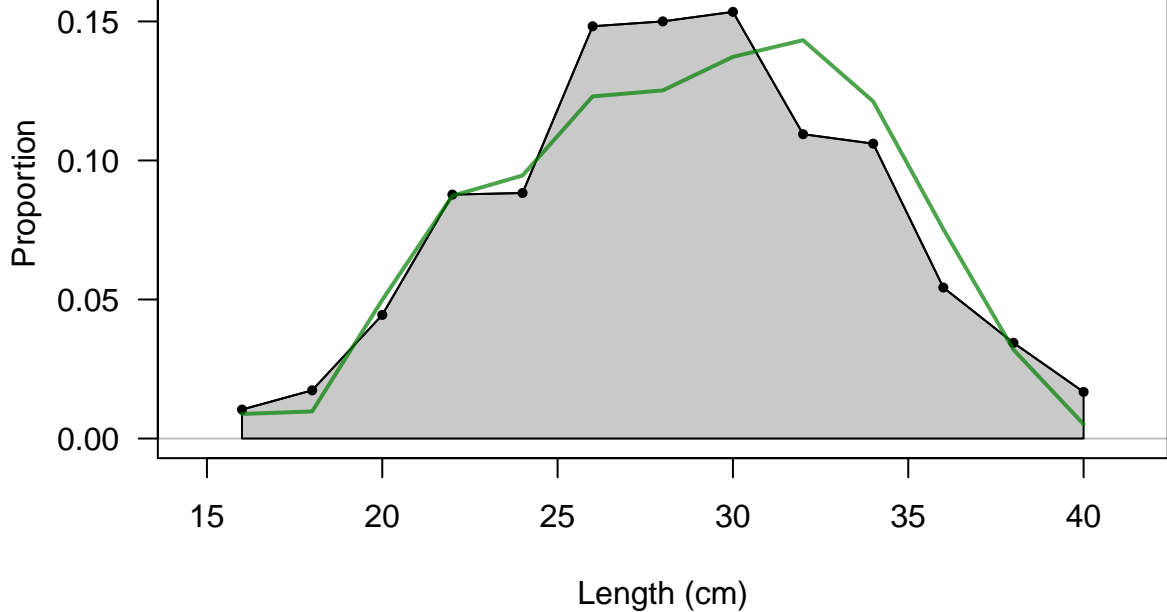


FISHERY (whole catch)



# FISHERY

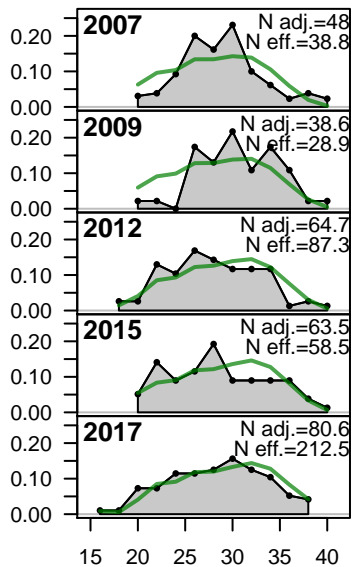
Sum of N adj.=295.4  
Sum of N eff.=426



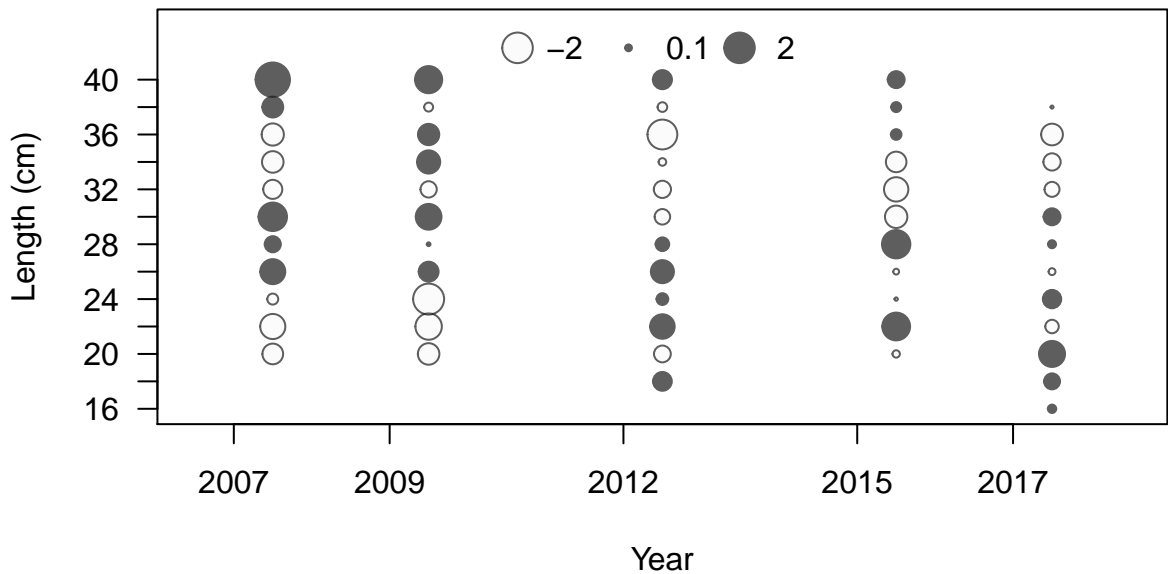


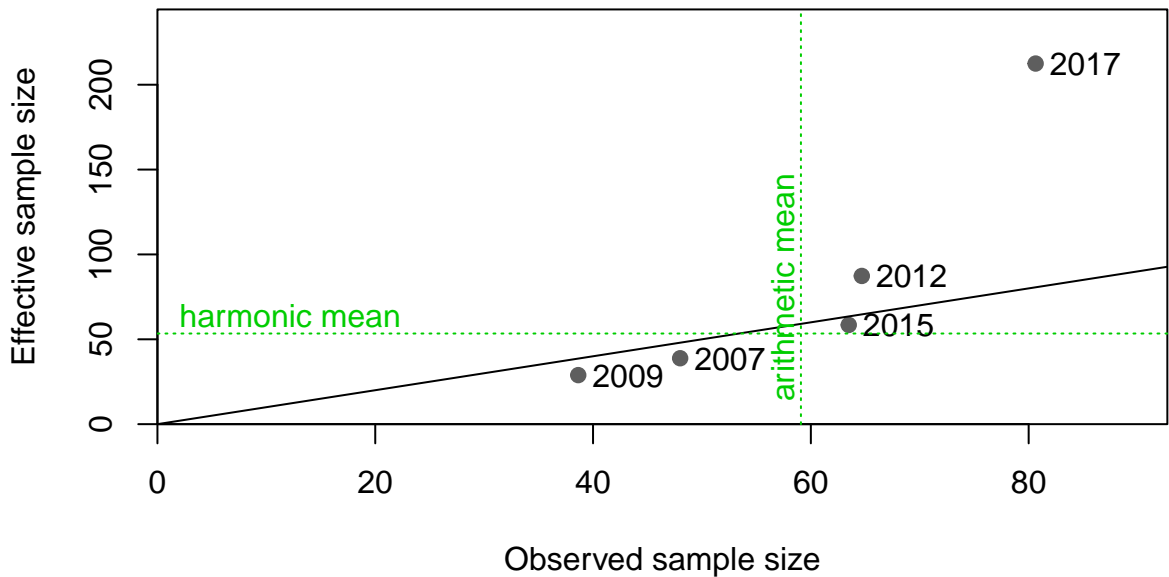


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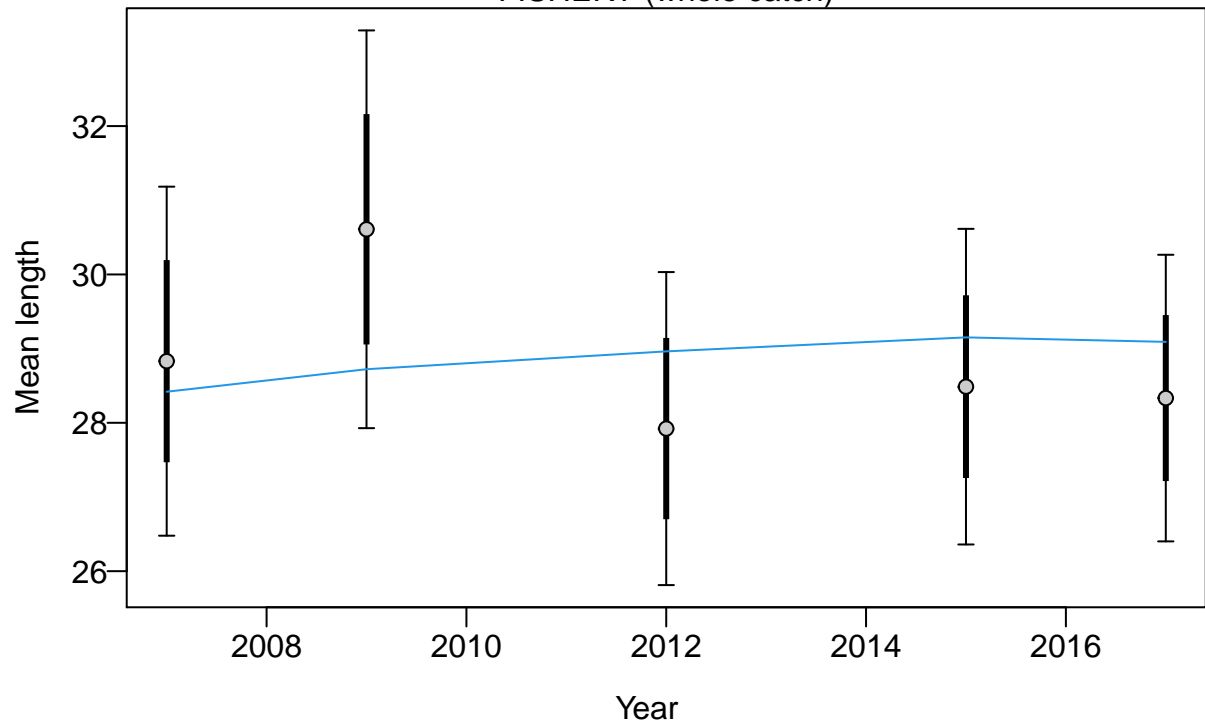


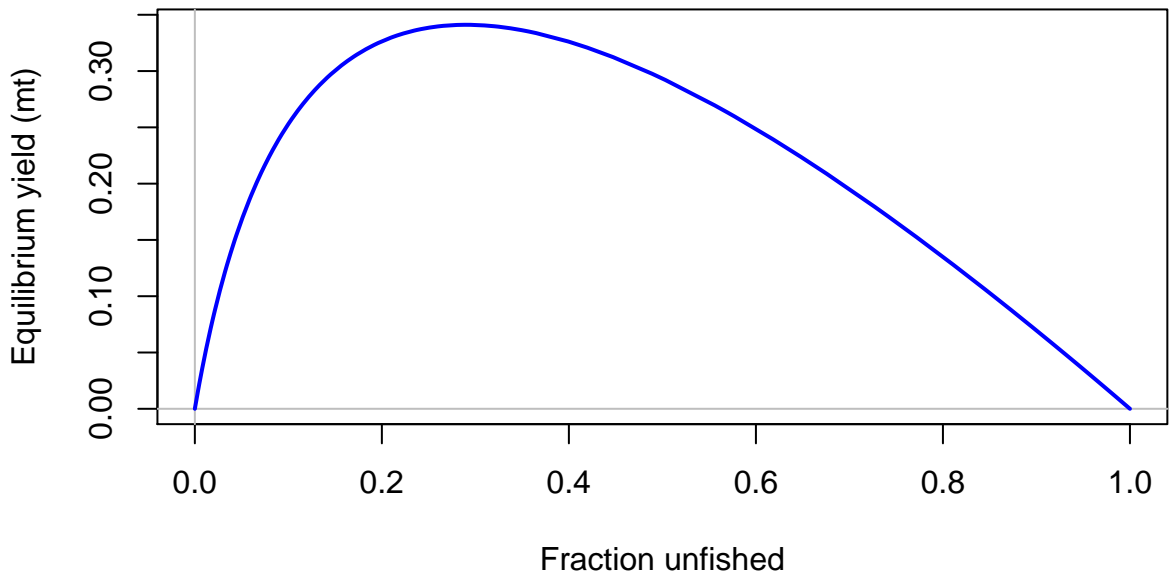
Length (cm)

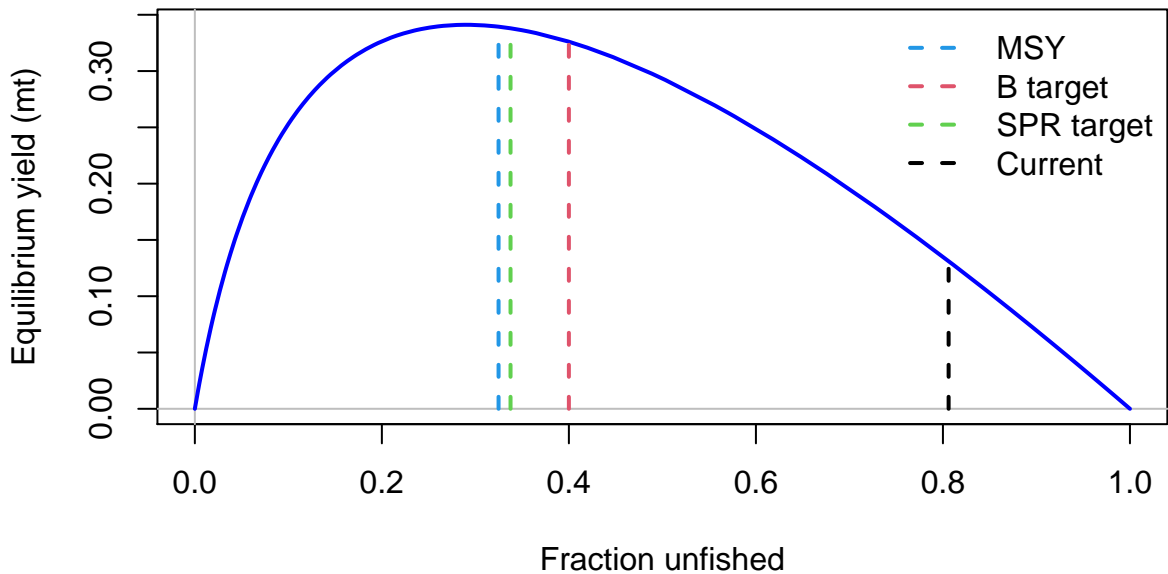


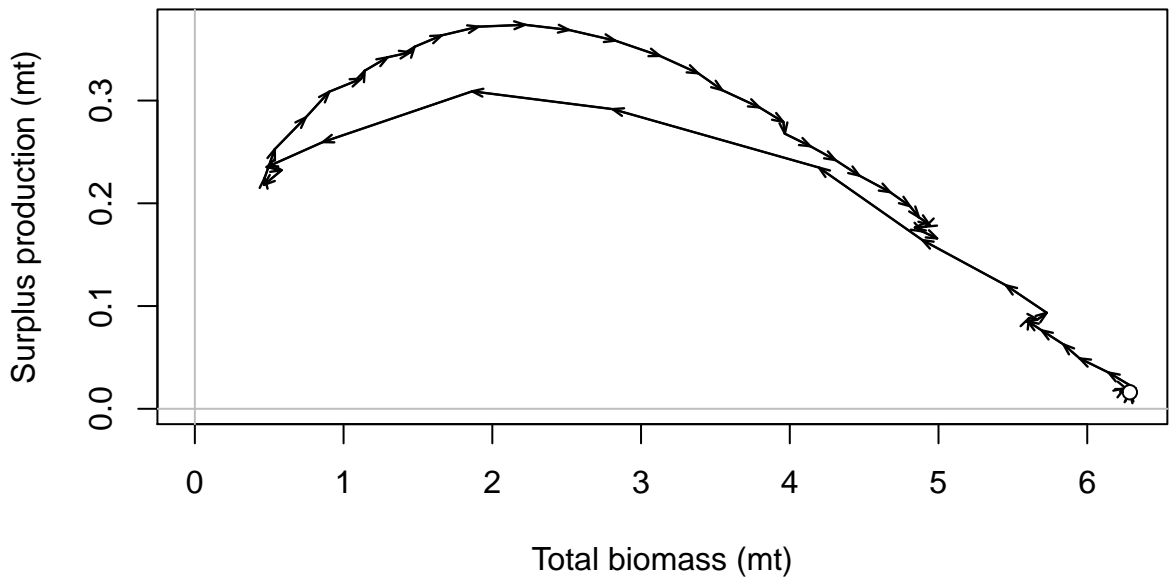


FISHERY (whole catch)

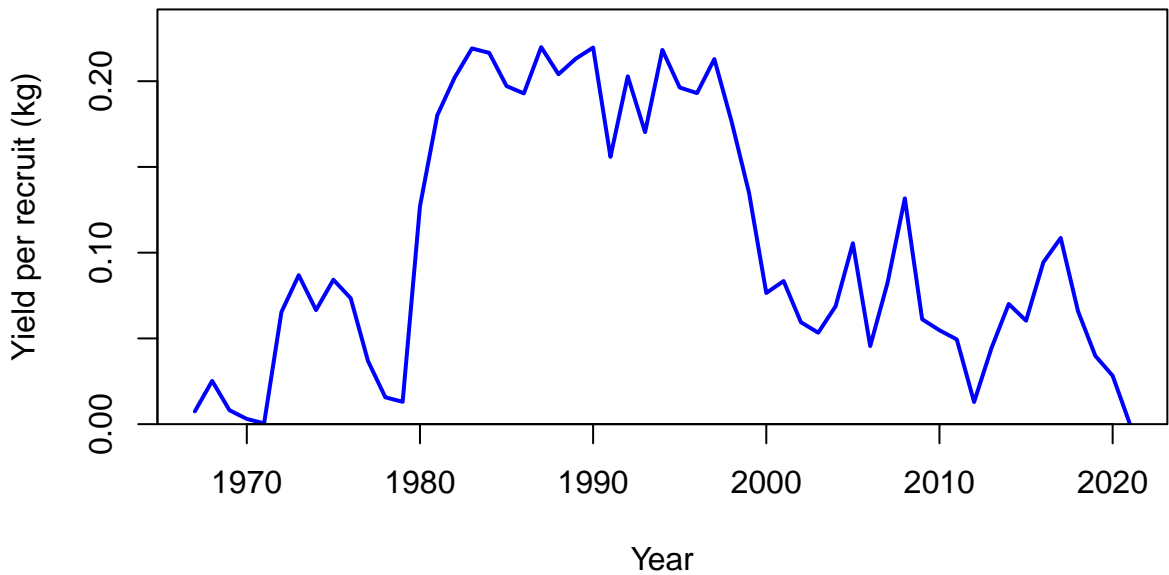


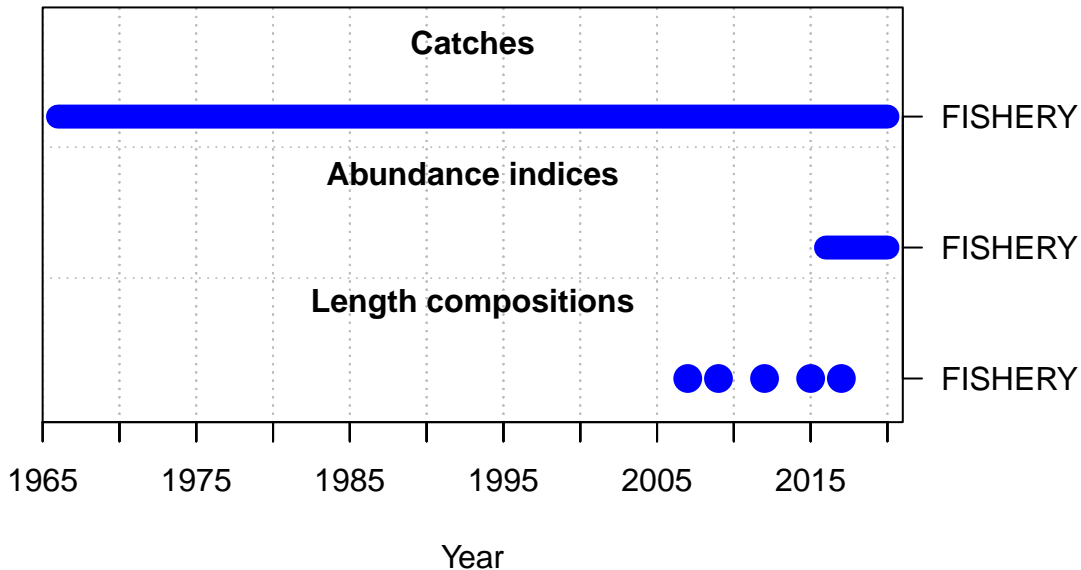


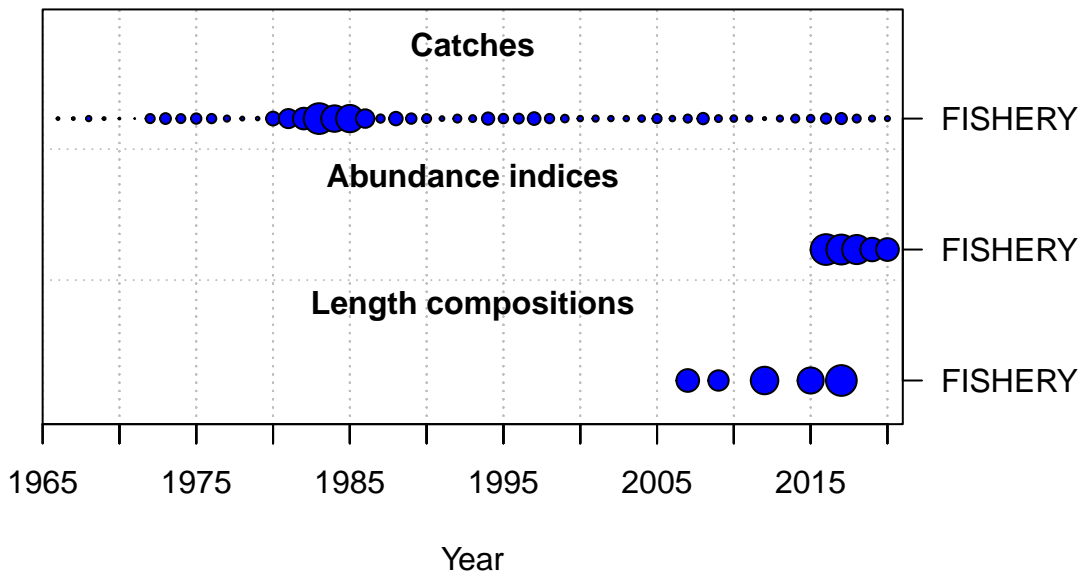








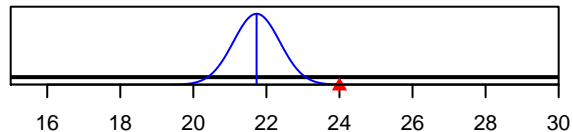




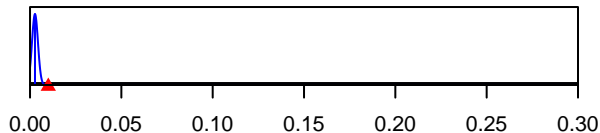
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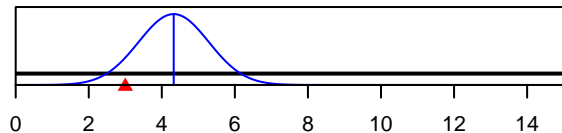
Size\_inflection\_FISHERY(1)



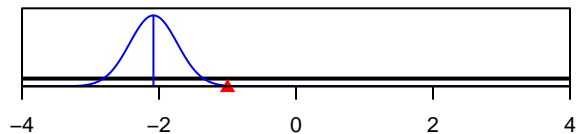
InitF\_seas\_1\_flt\_1FISHERY



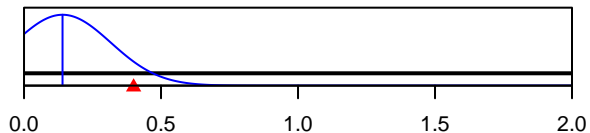
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value