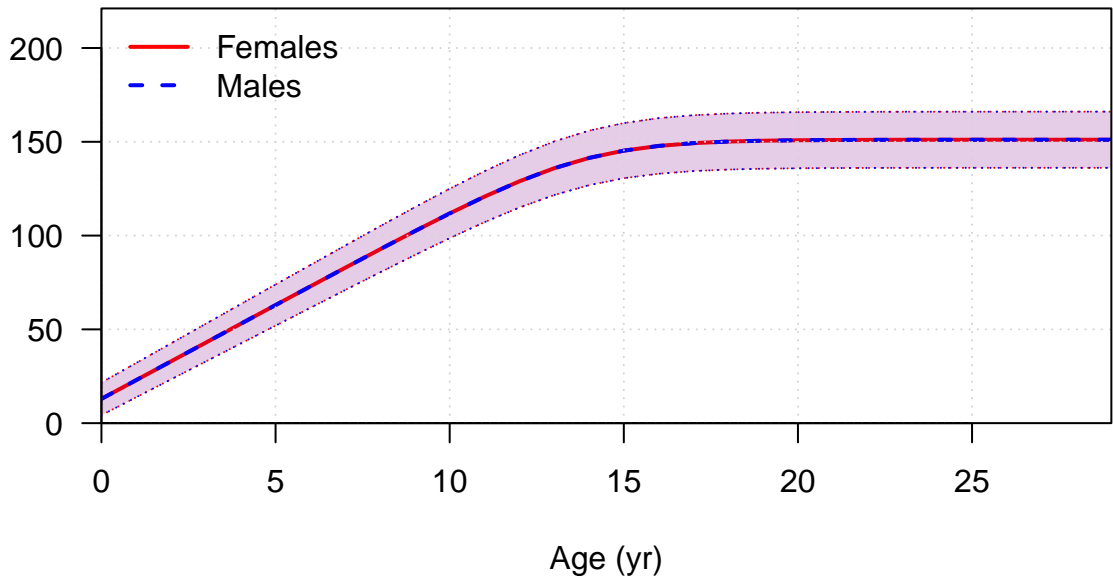
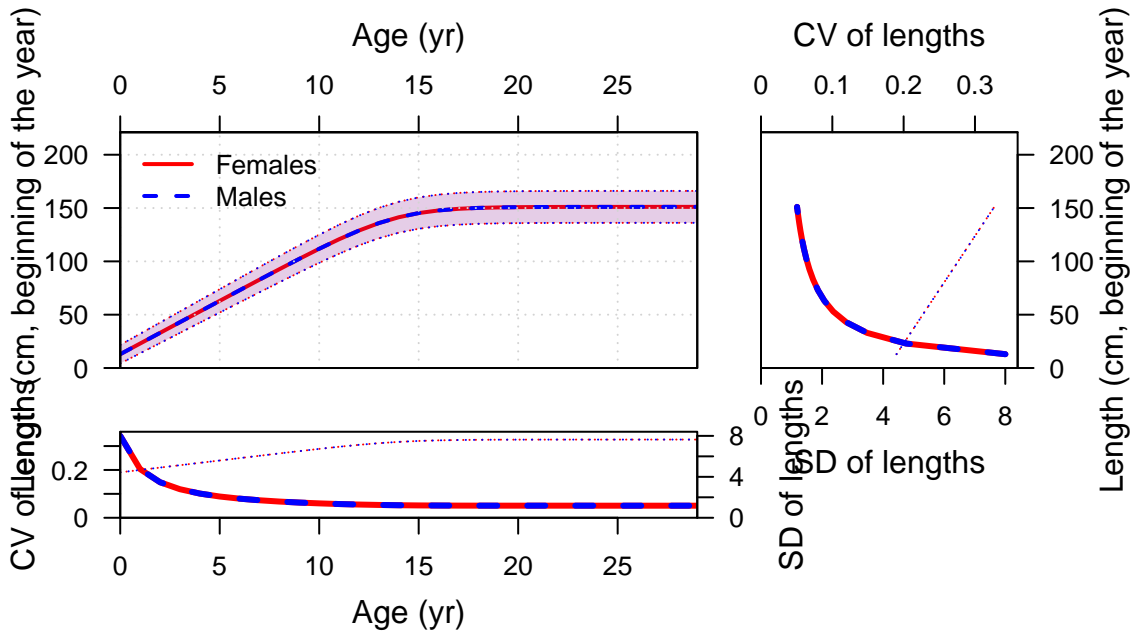
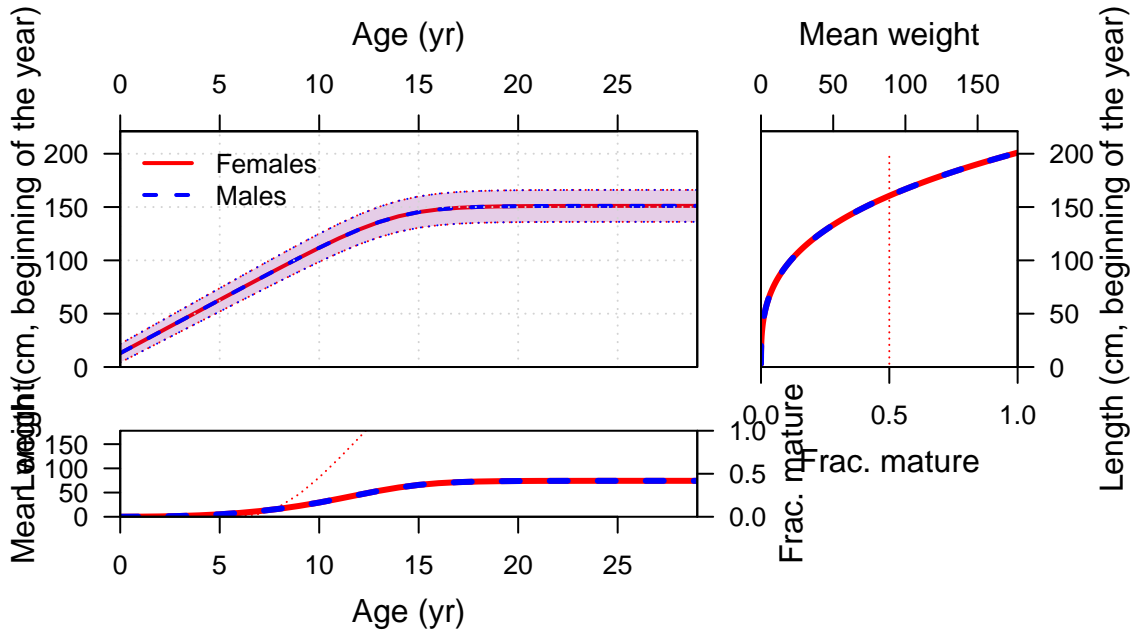


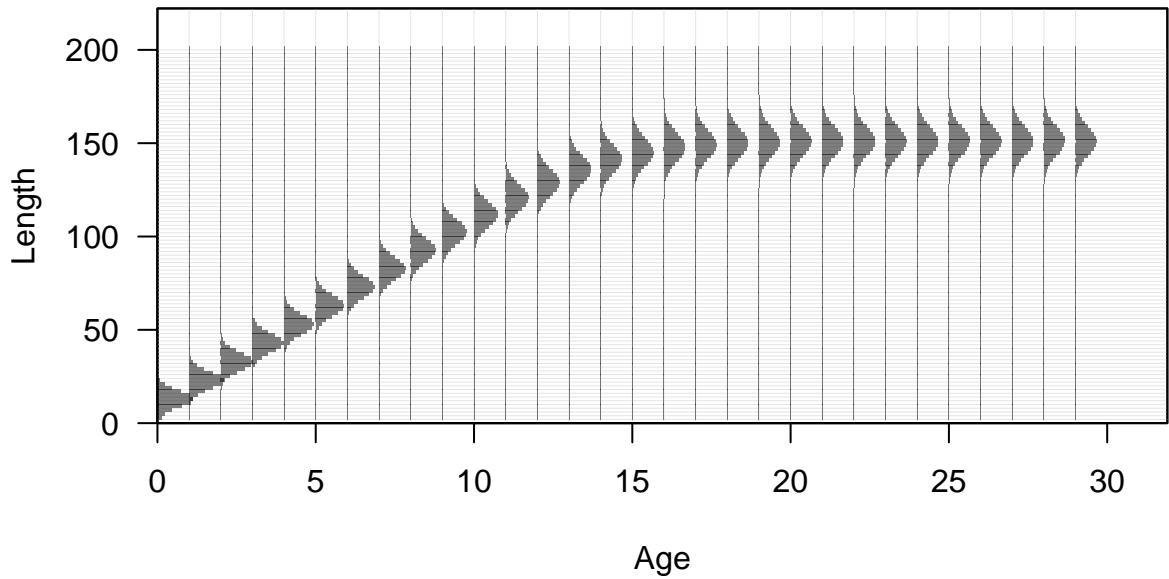
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.22.b
StartTime: Sat Jun 8 17:01:29 2024
Data_File: YFT-EPO.dat
Control_File: YFT-EPO.ctl

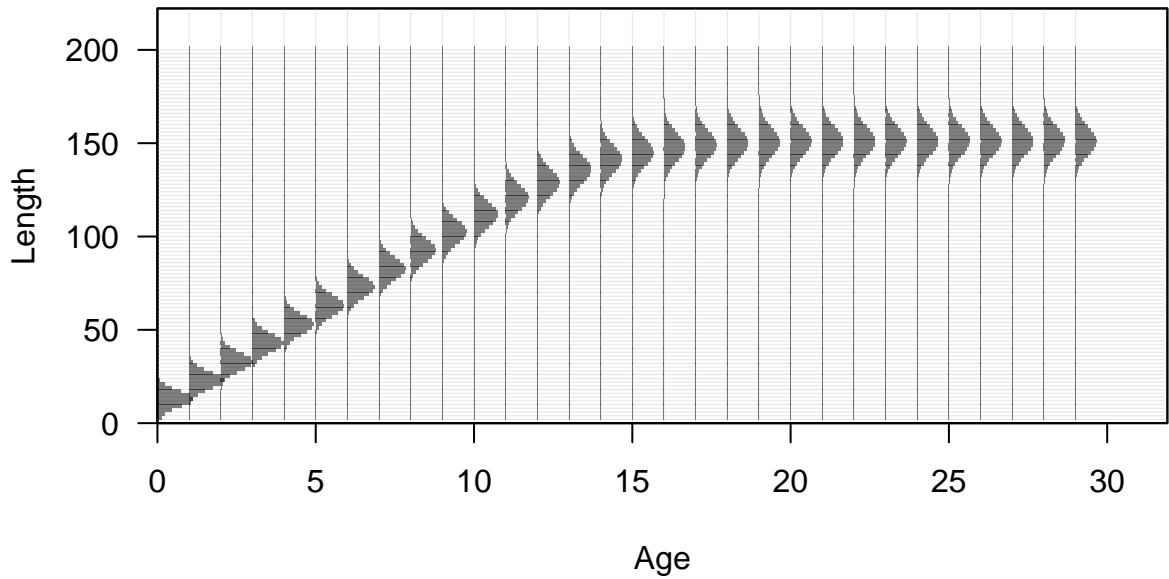
Length (cm, beginning of the year)

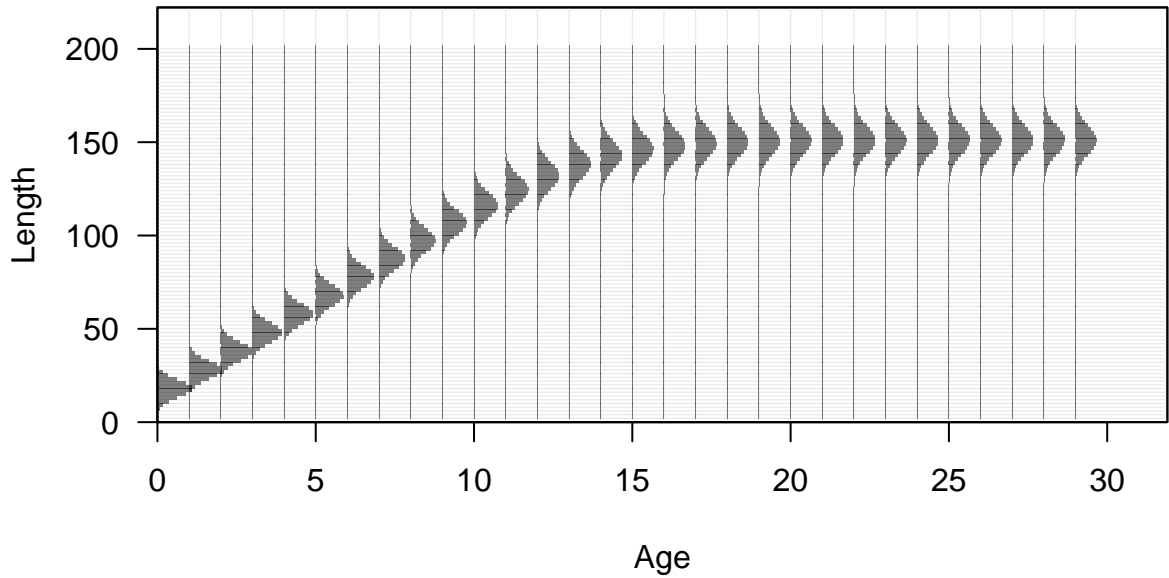


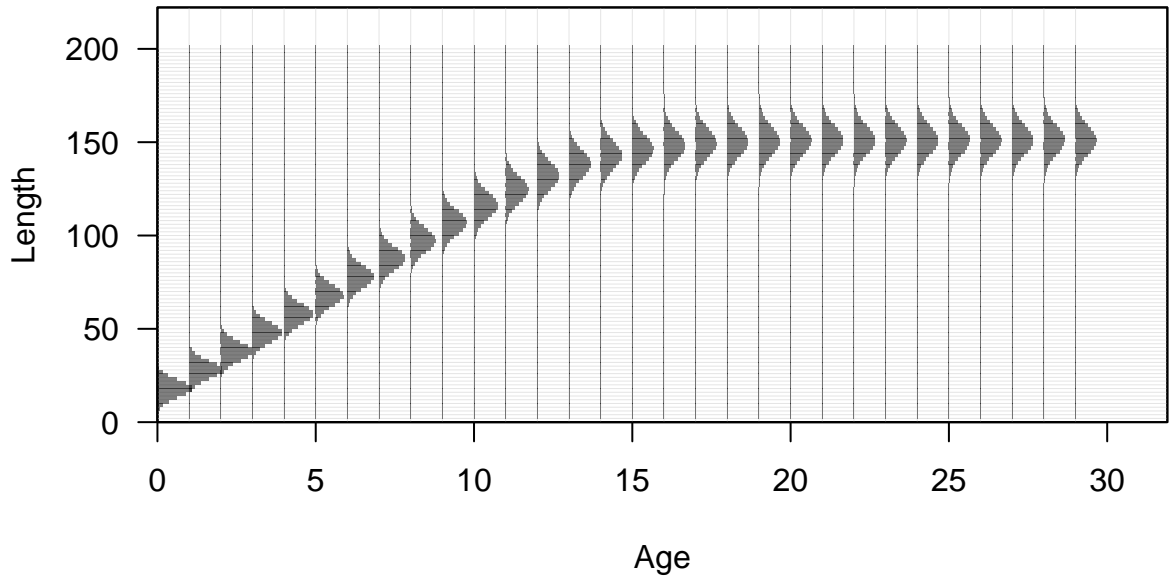


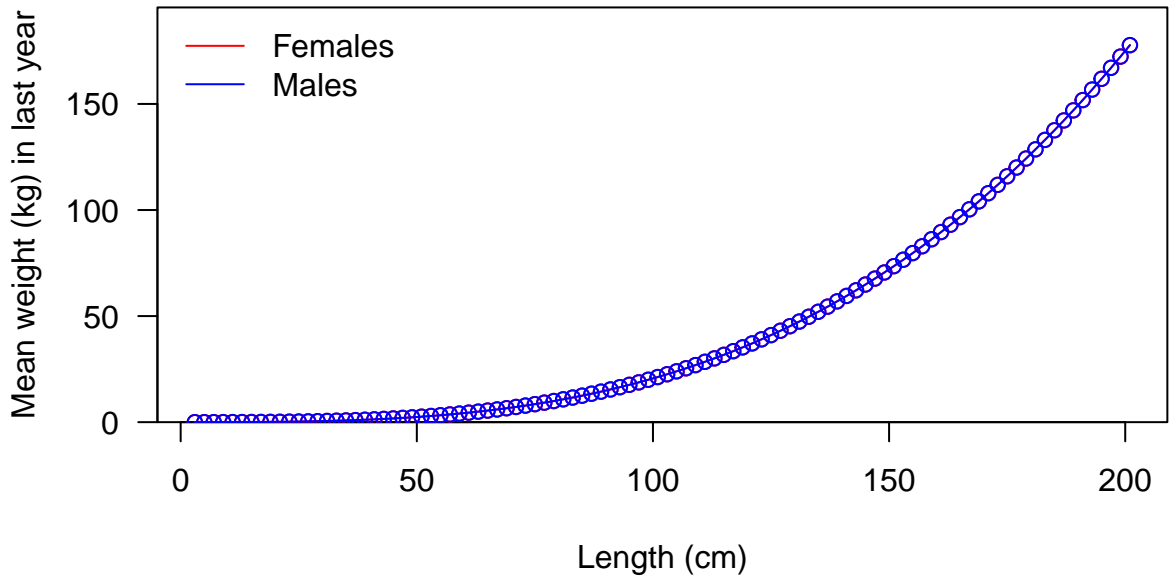


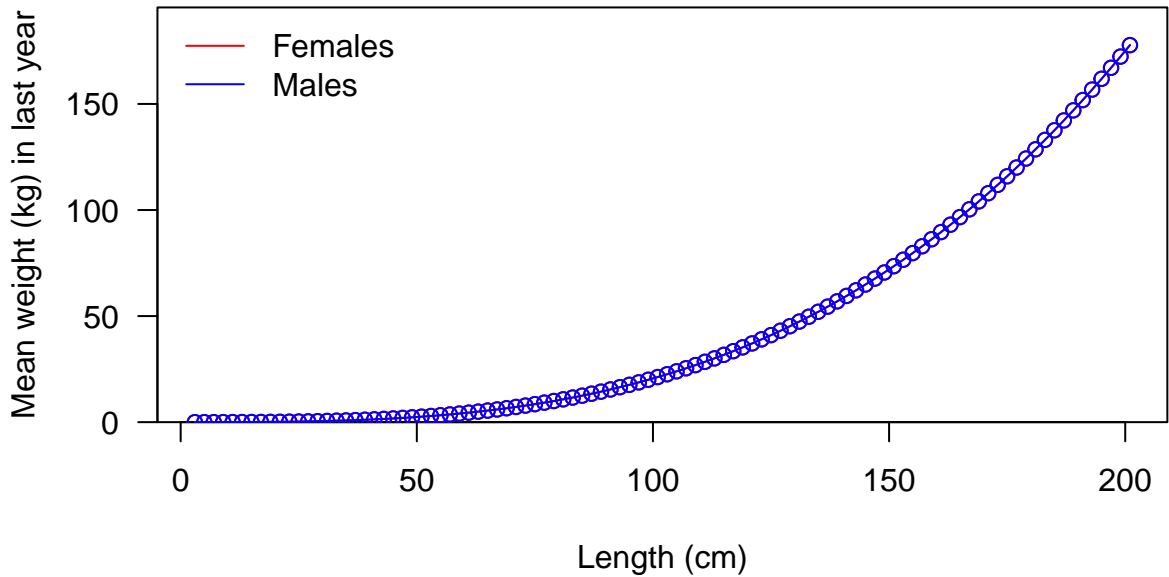


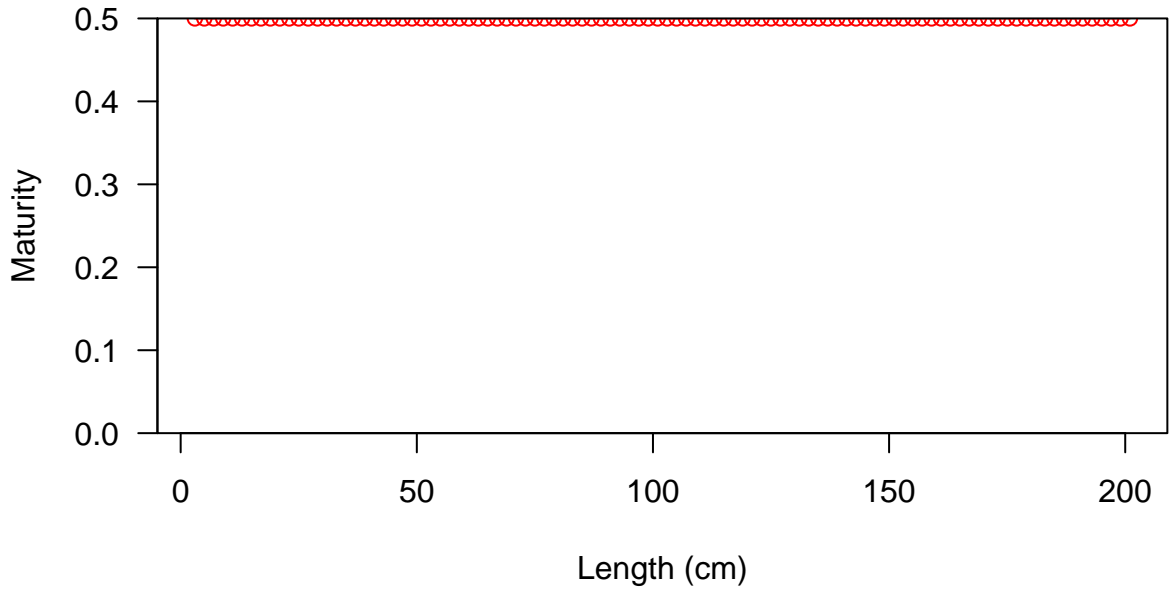


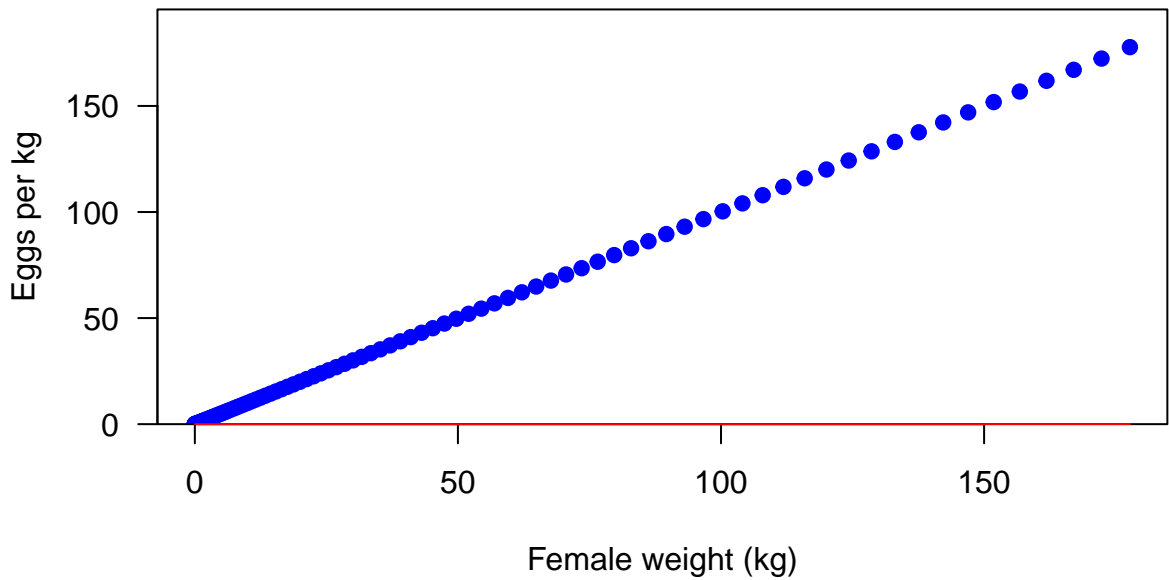


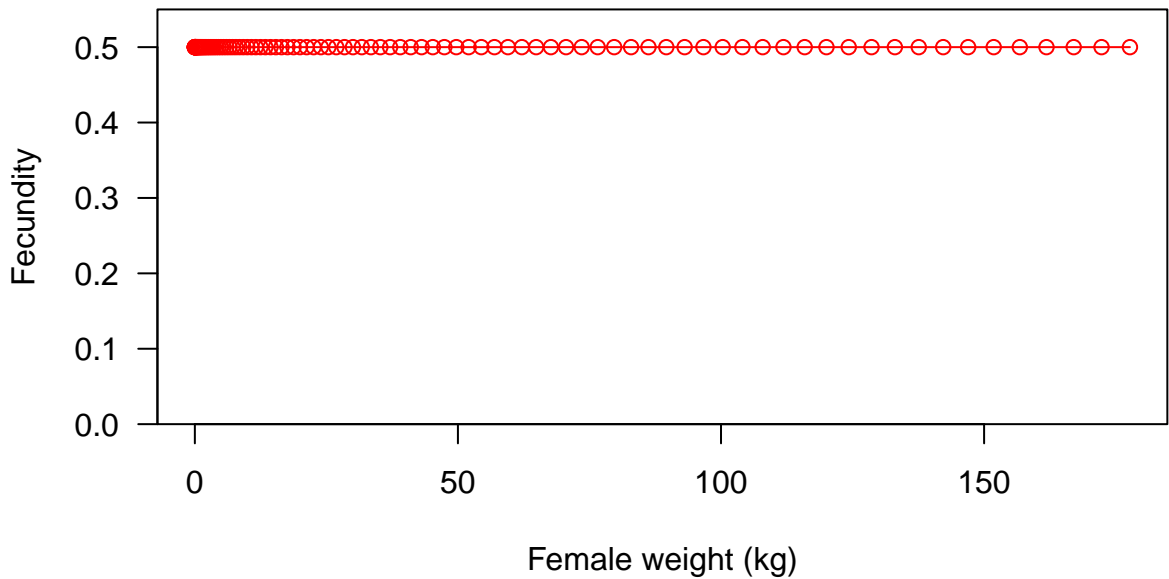


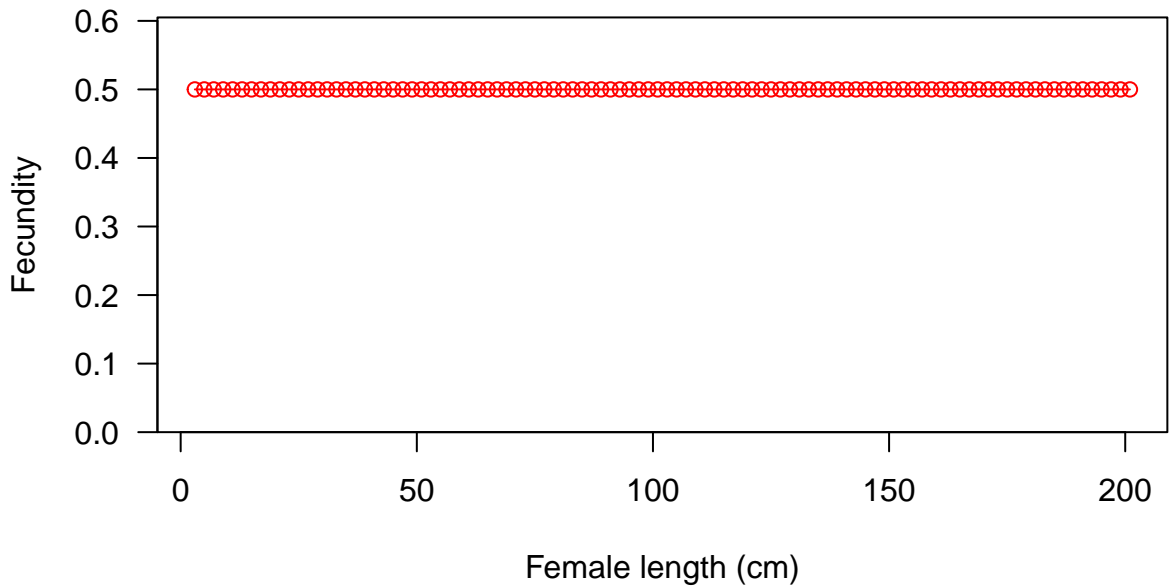


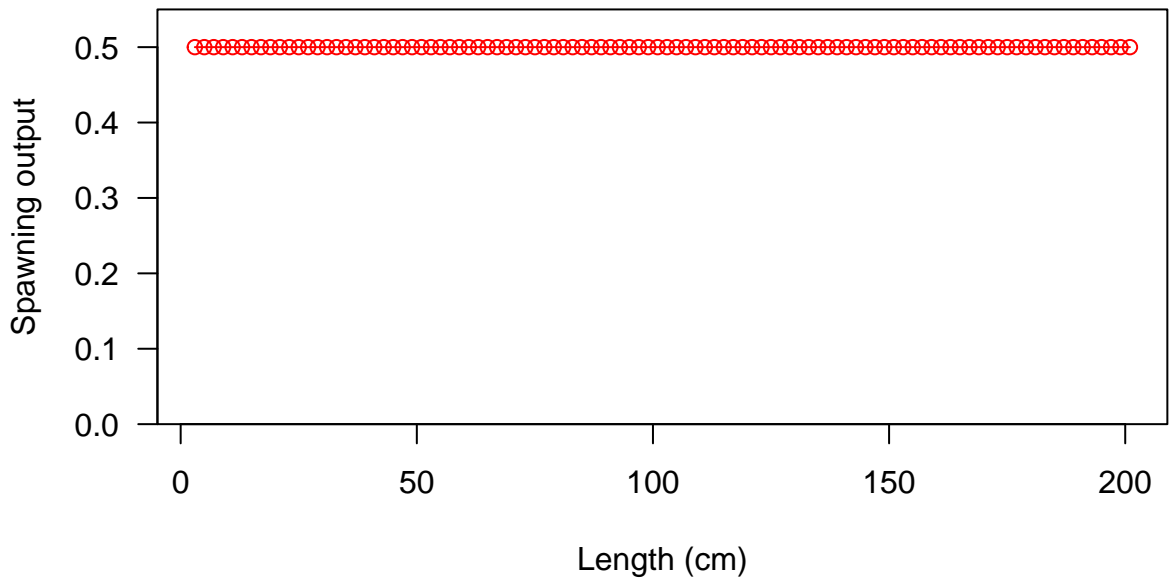




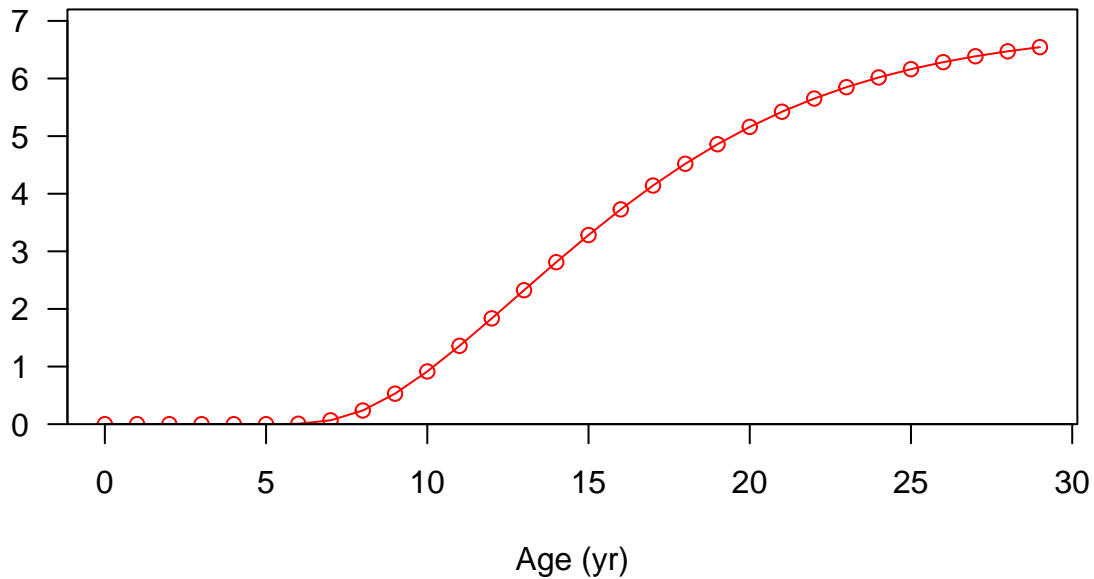




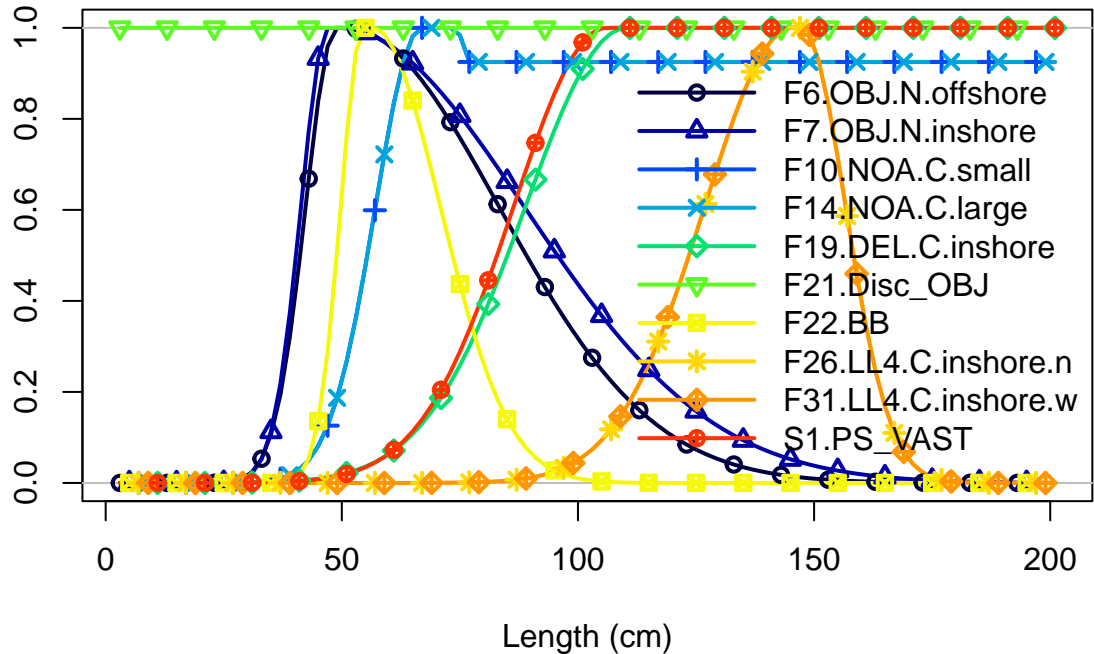




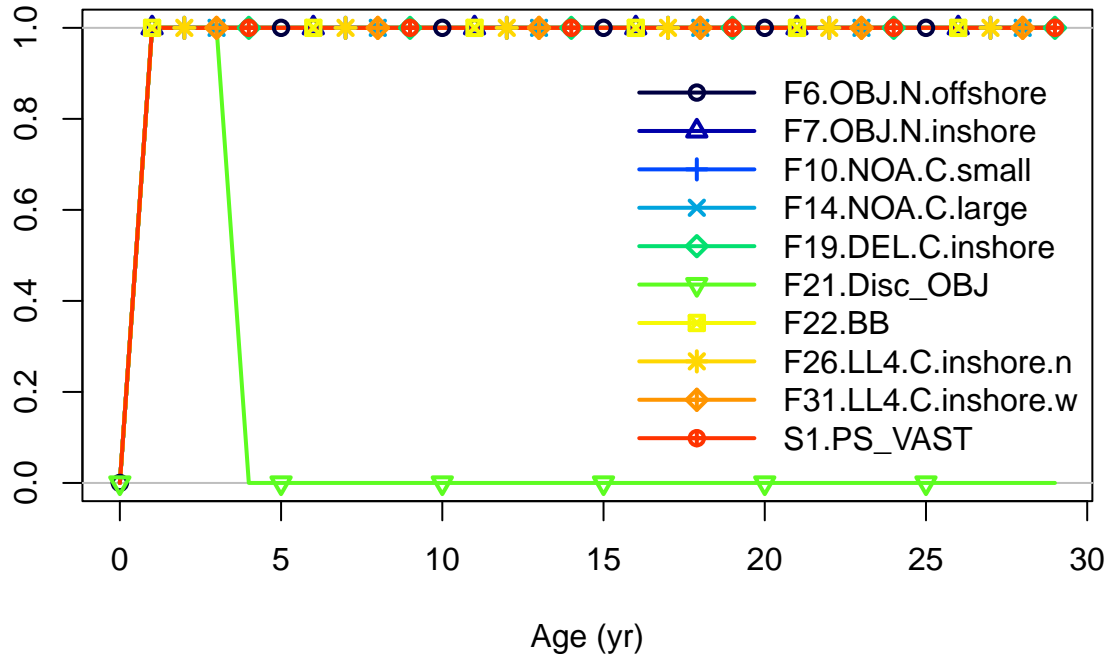
Spawning output



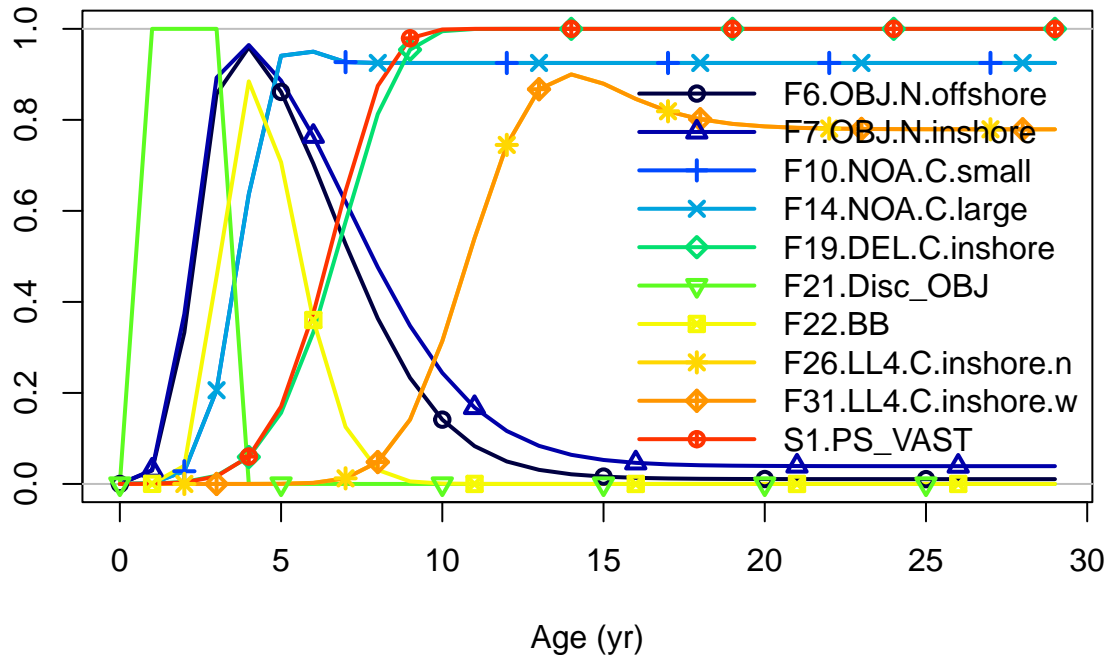
Selectivity



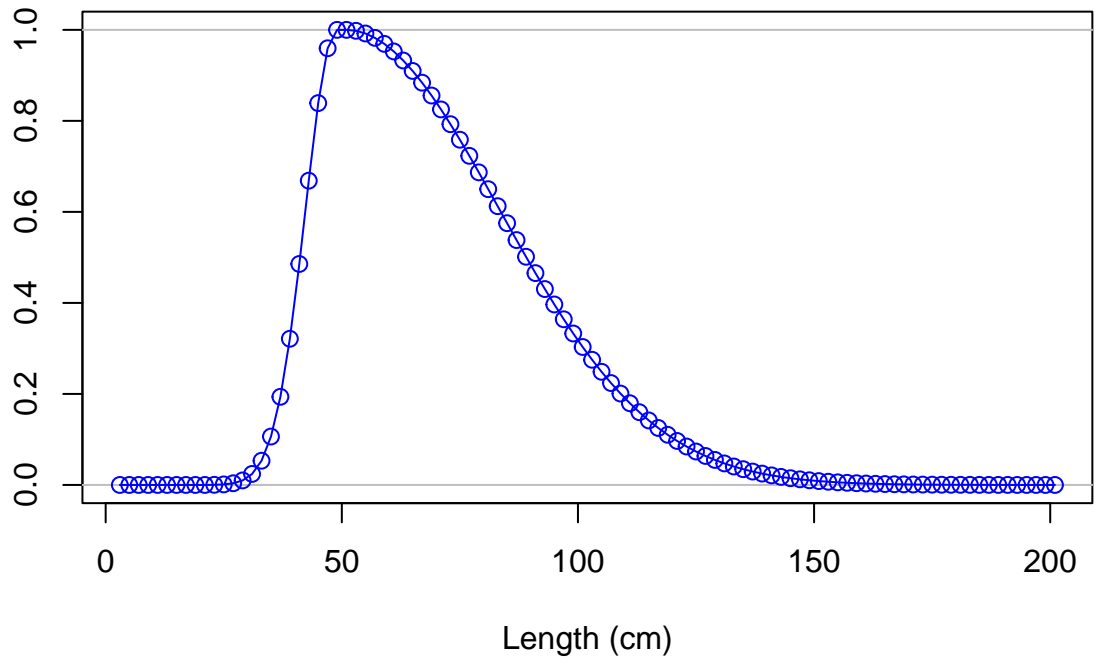
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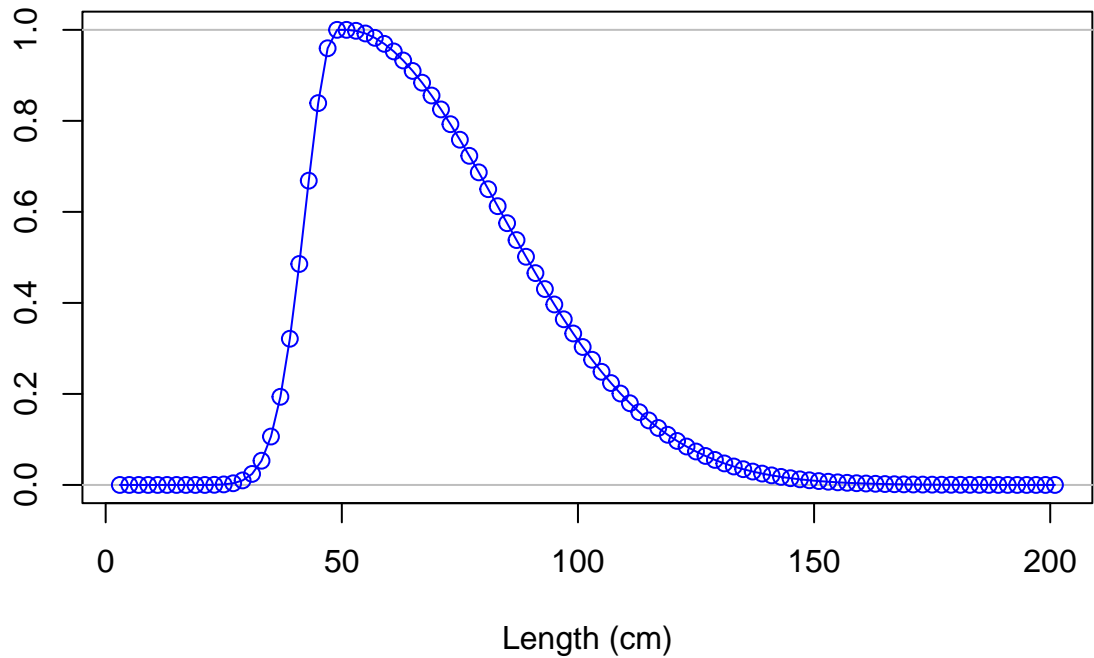
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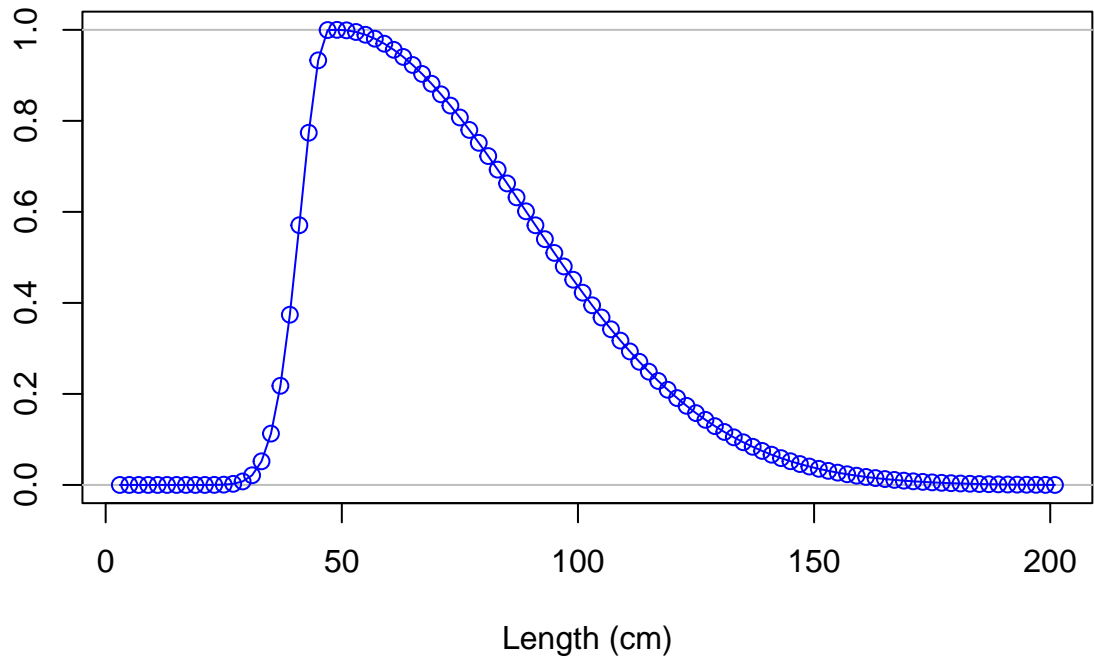
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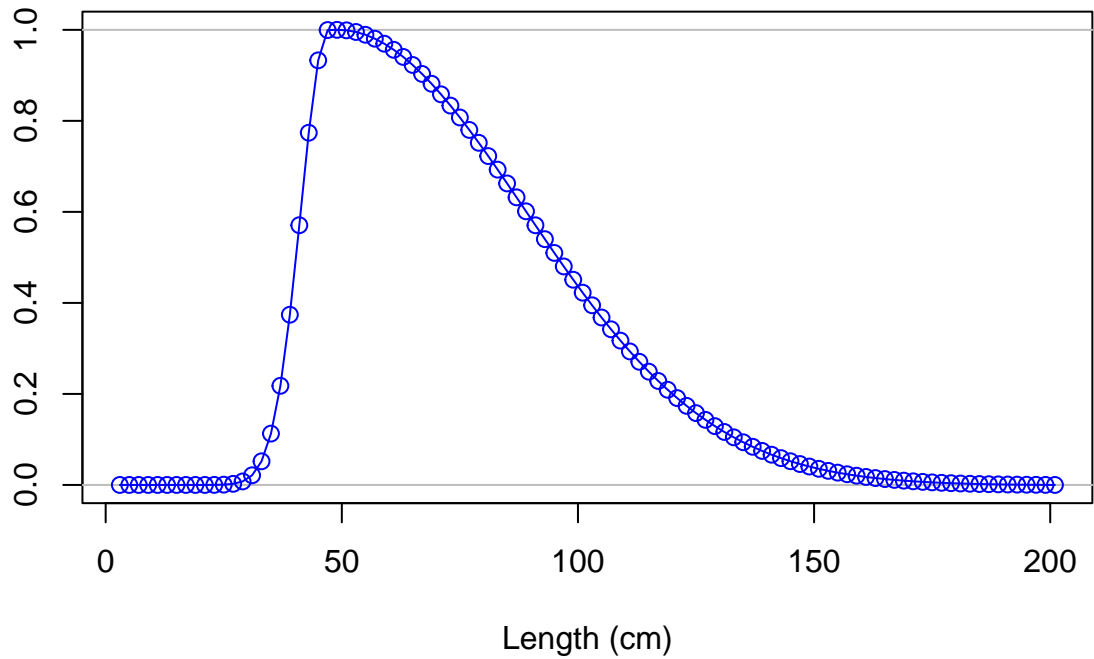
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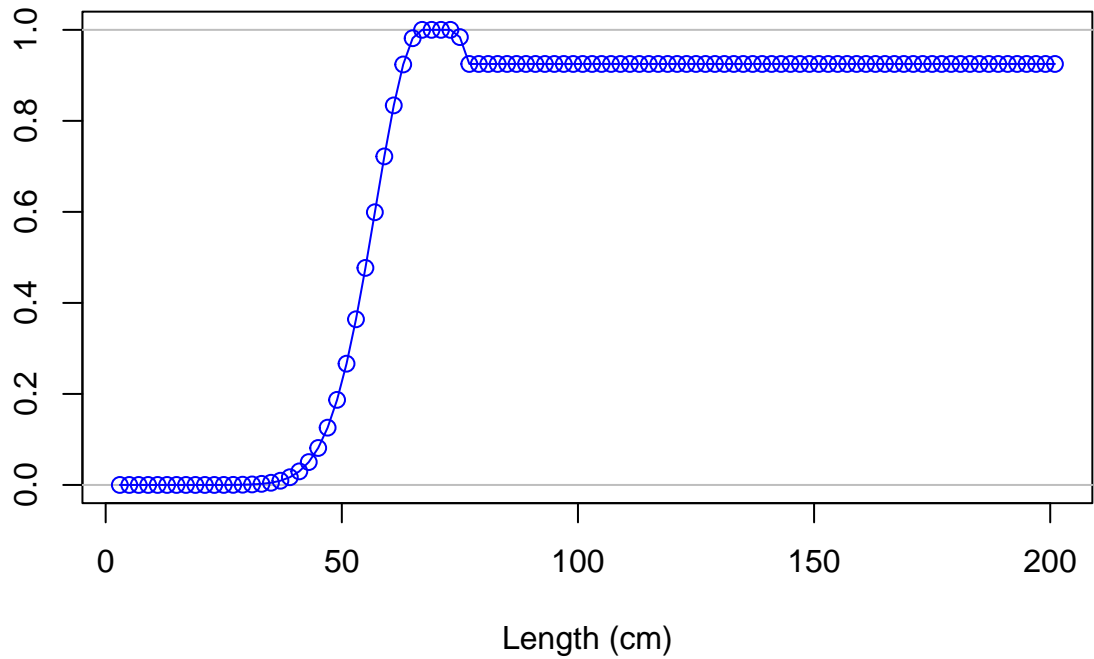
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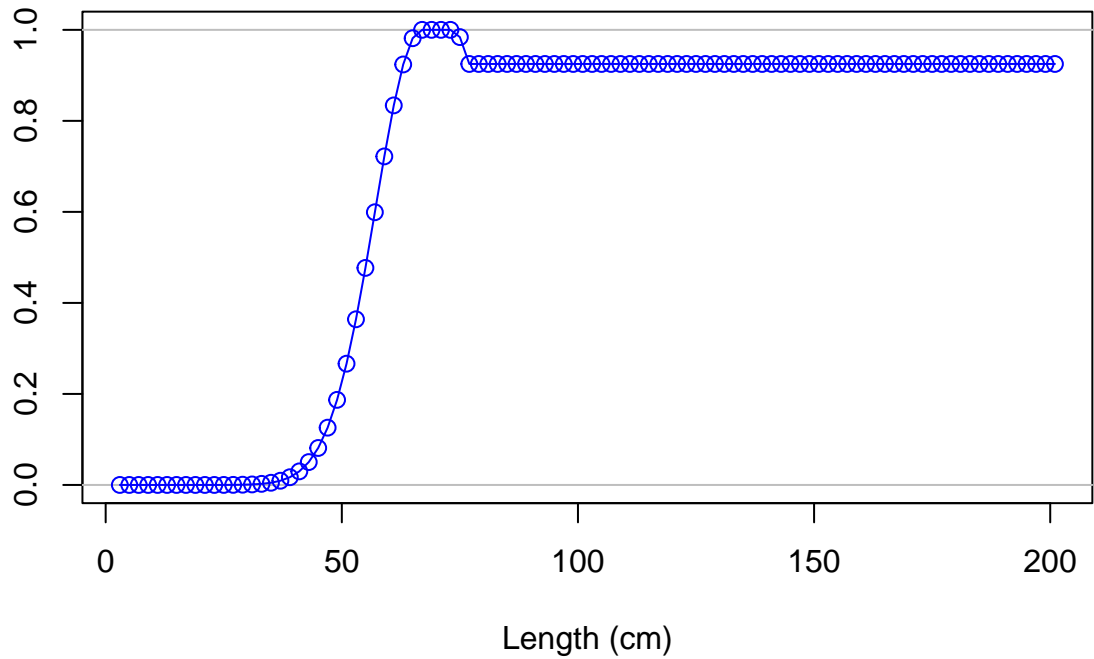
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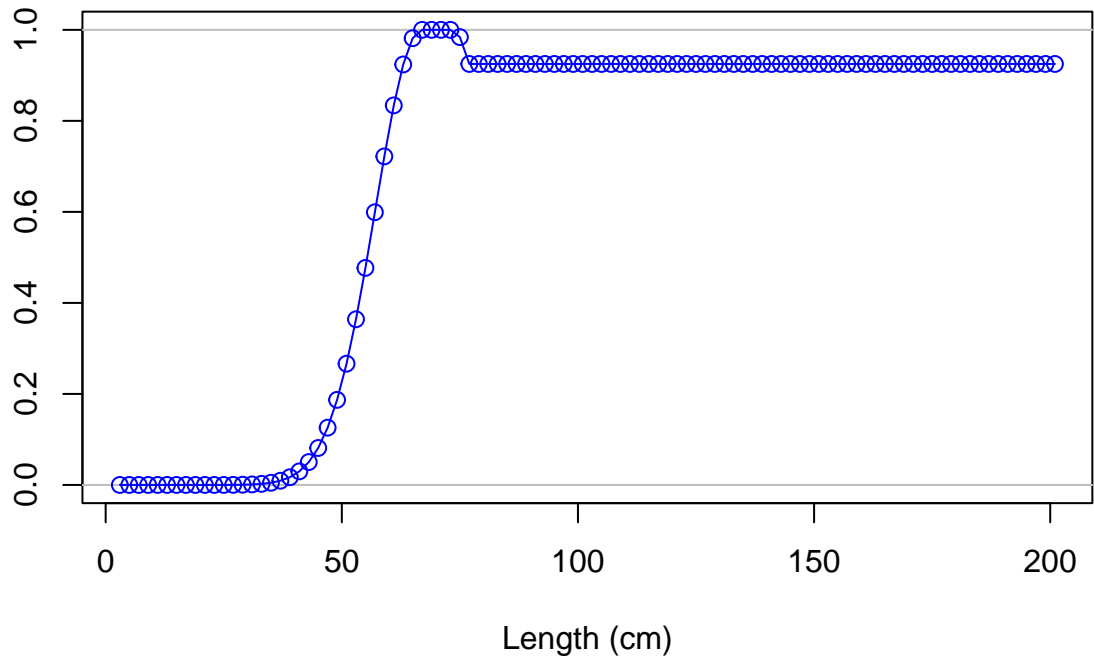
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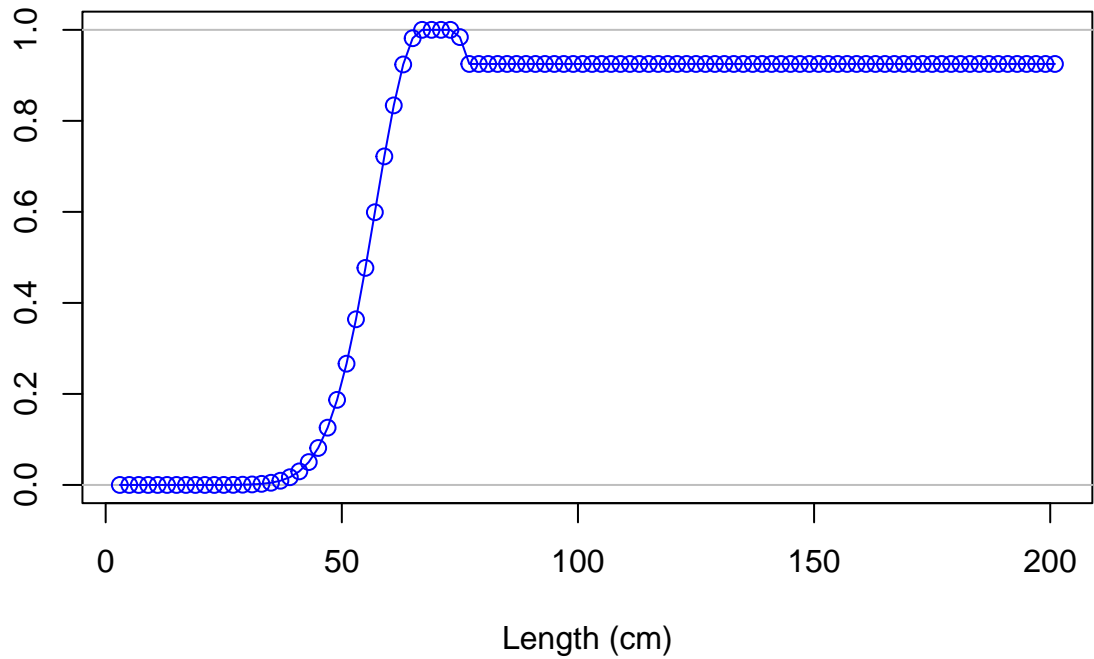
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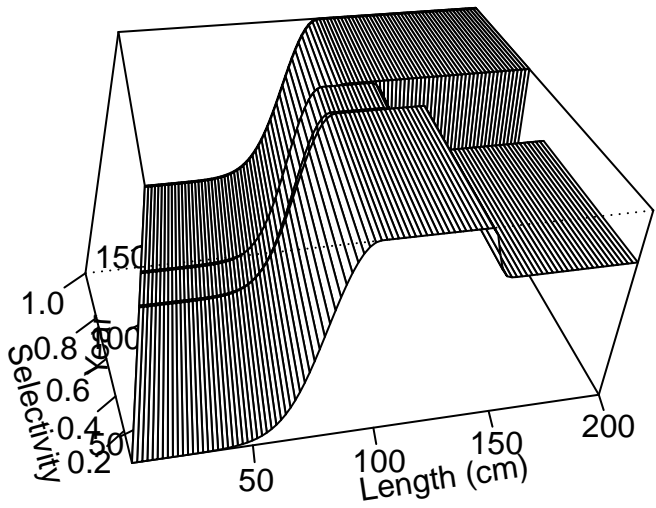


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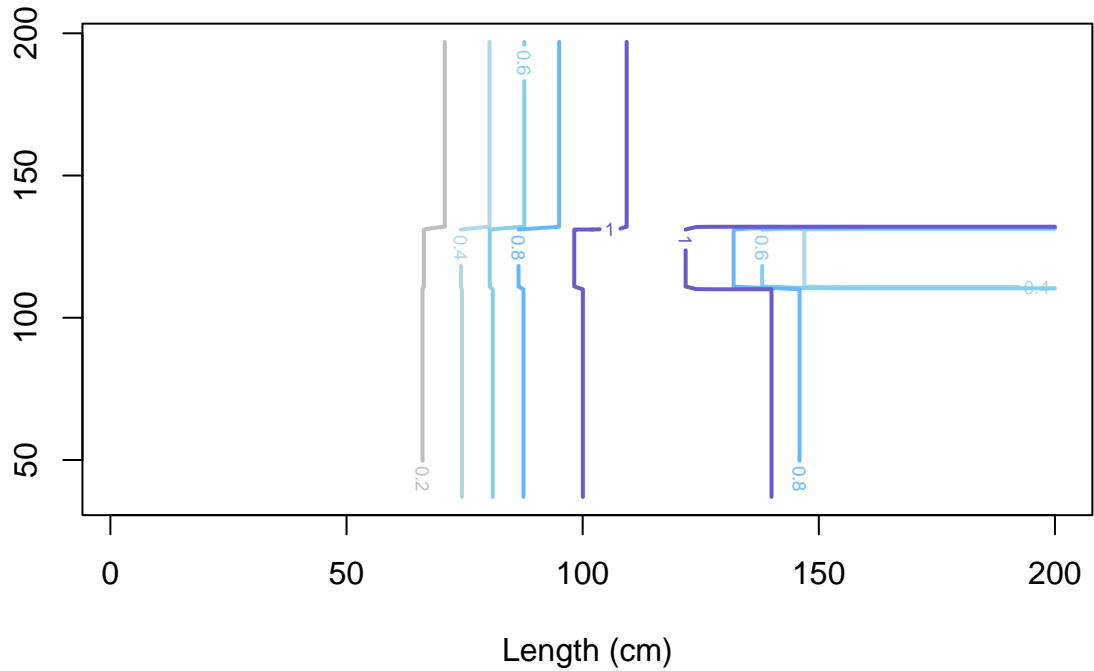


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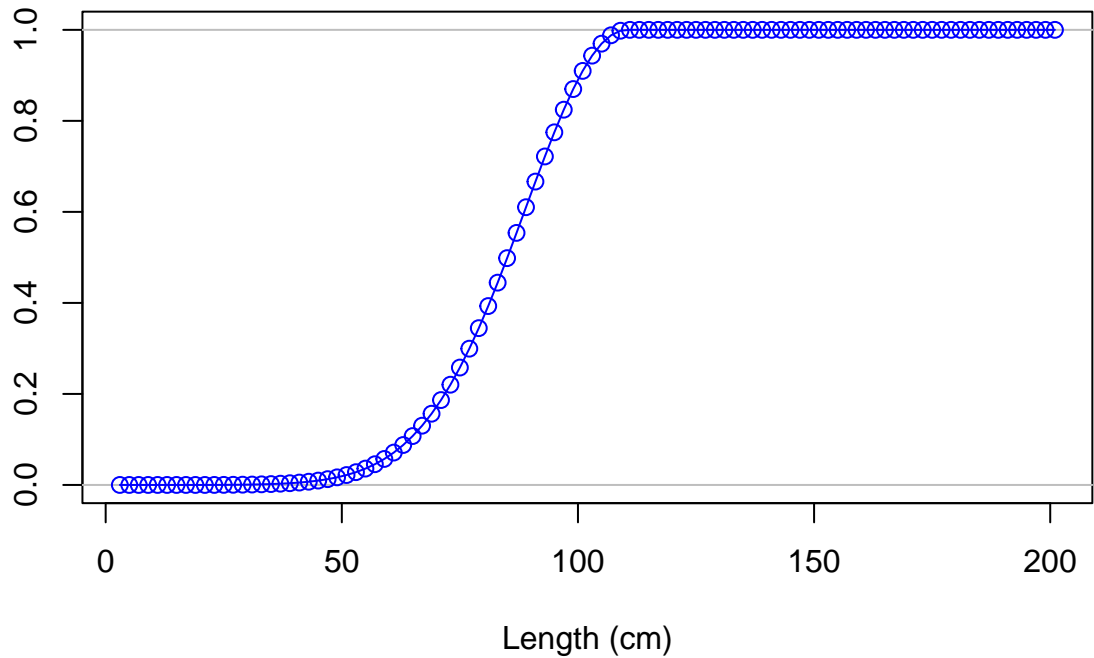


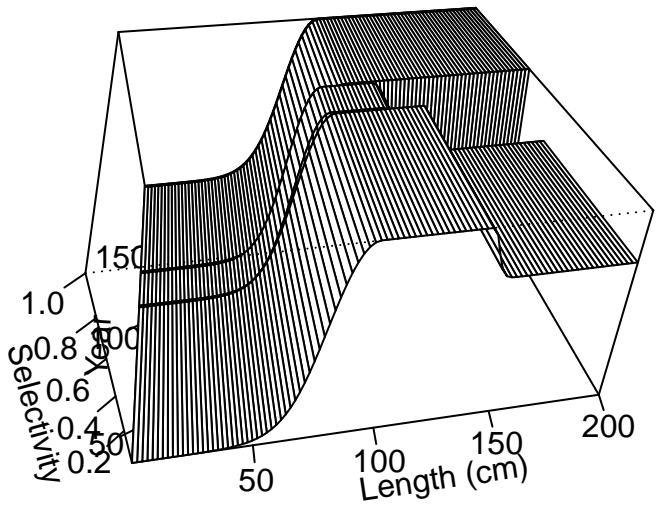


Year

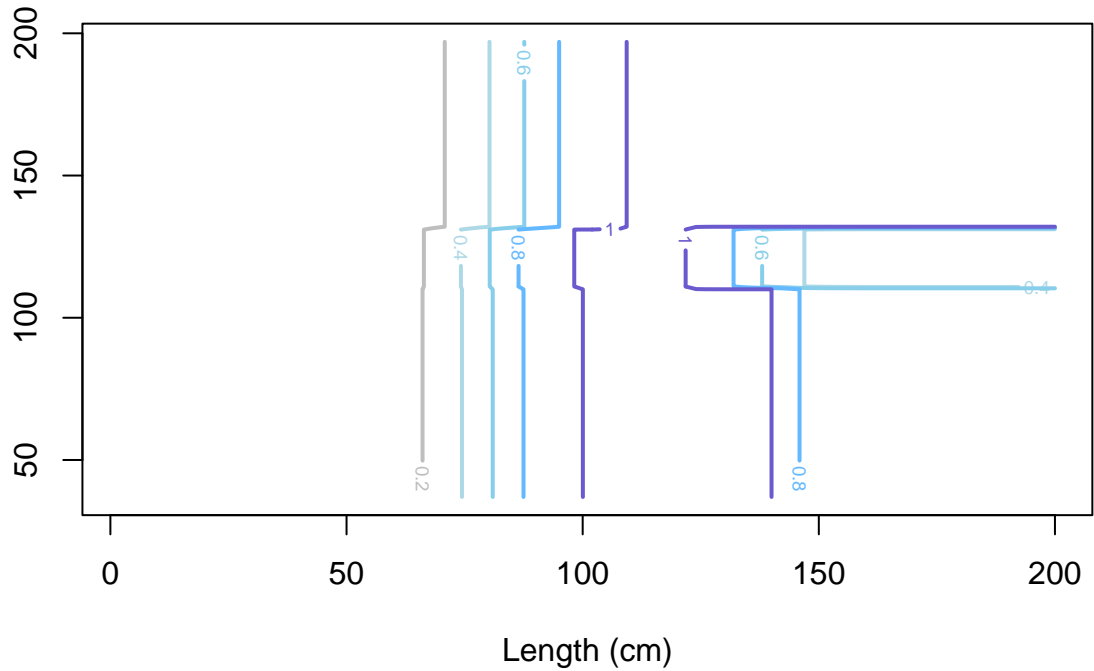


Selectivity

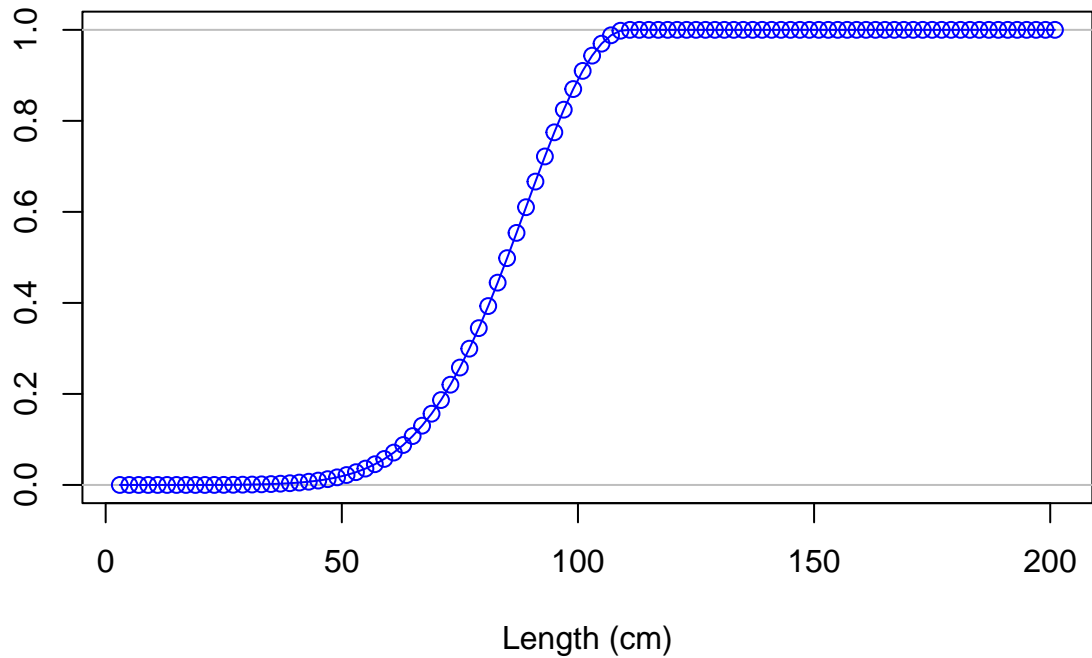




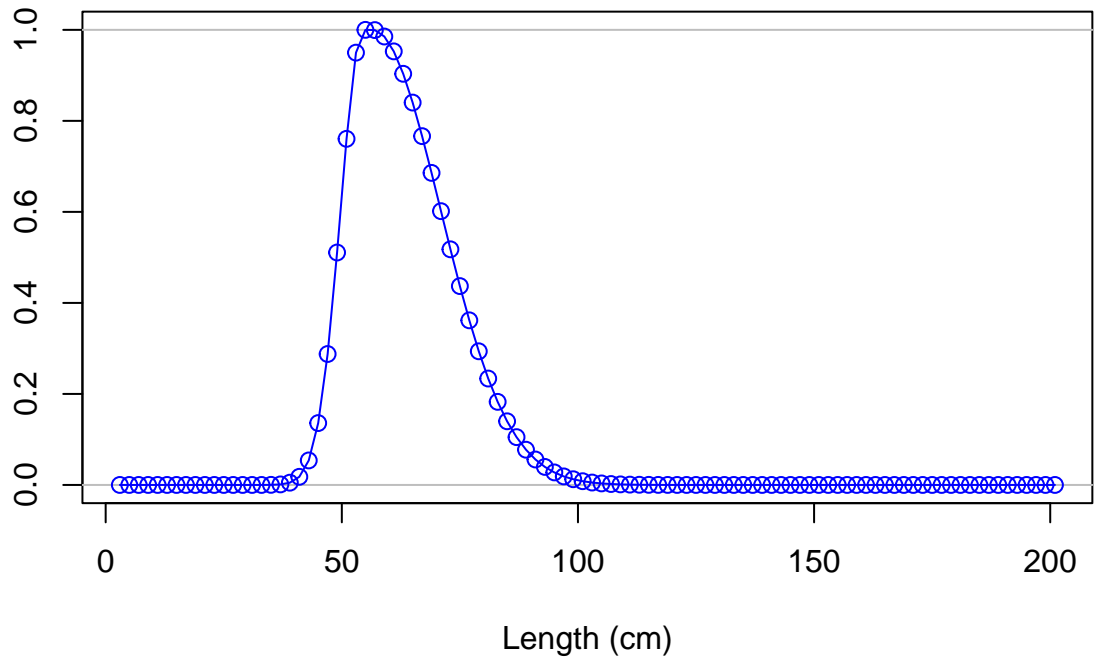
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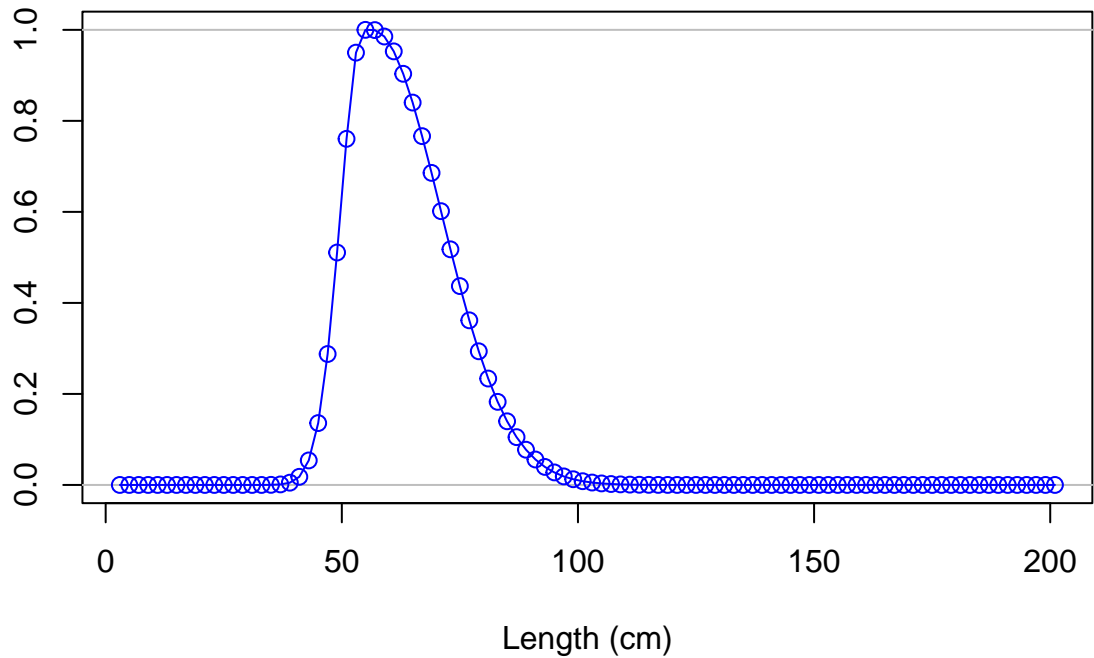
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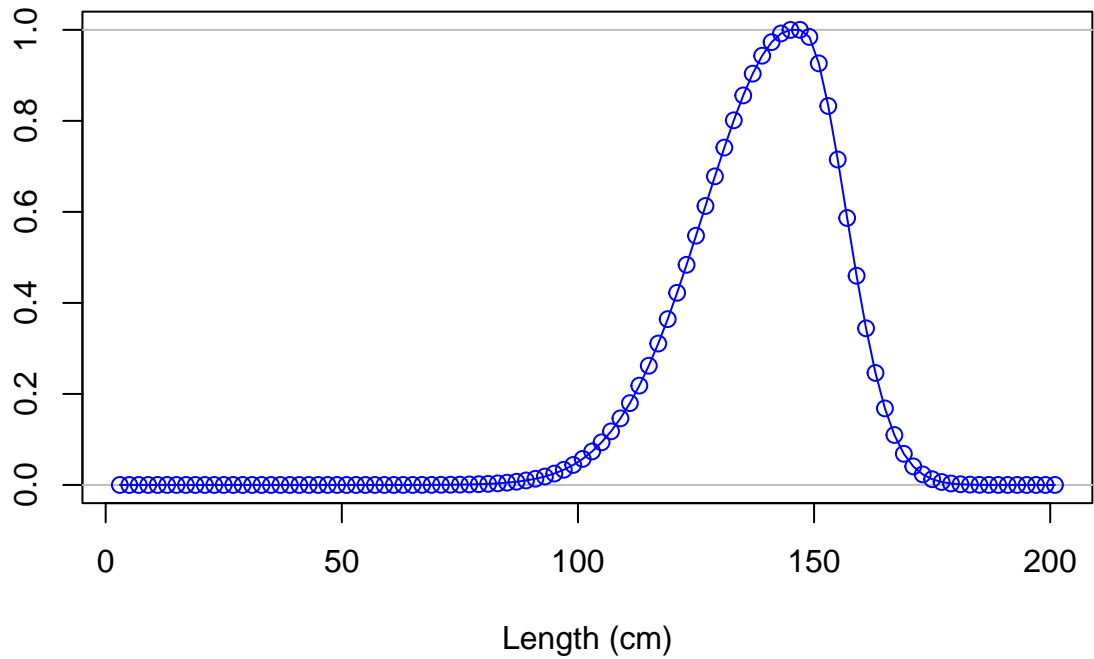
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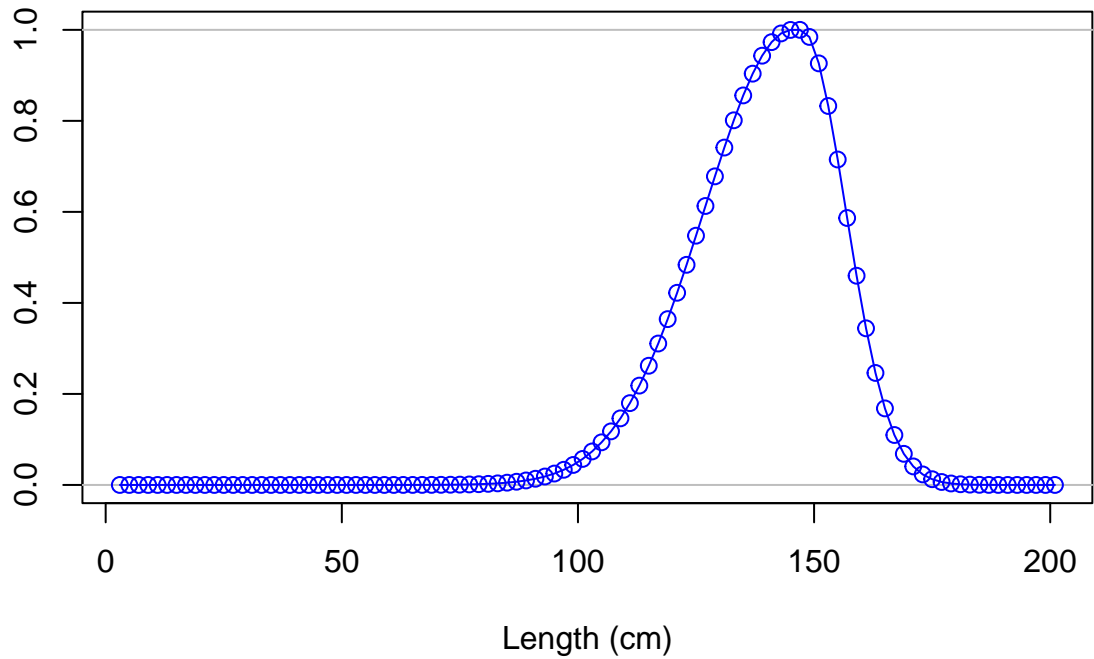
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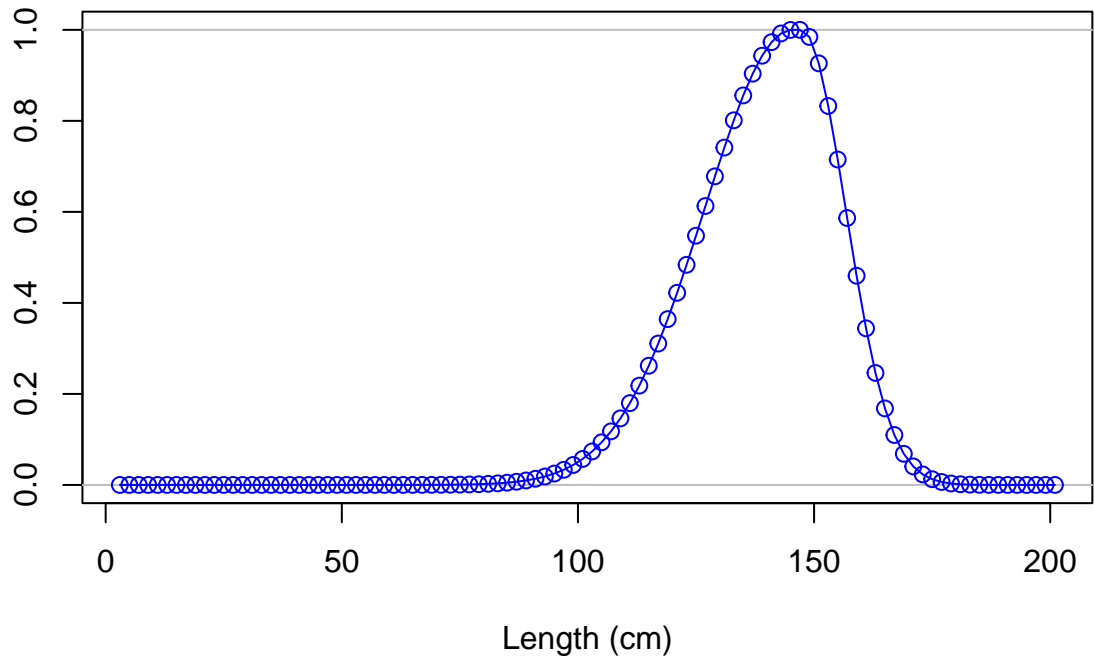
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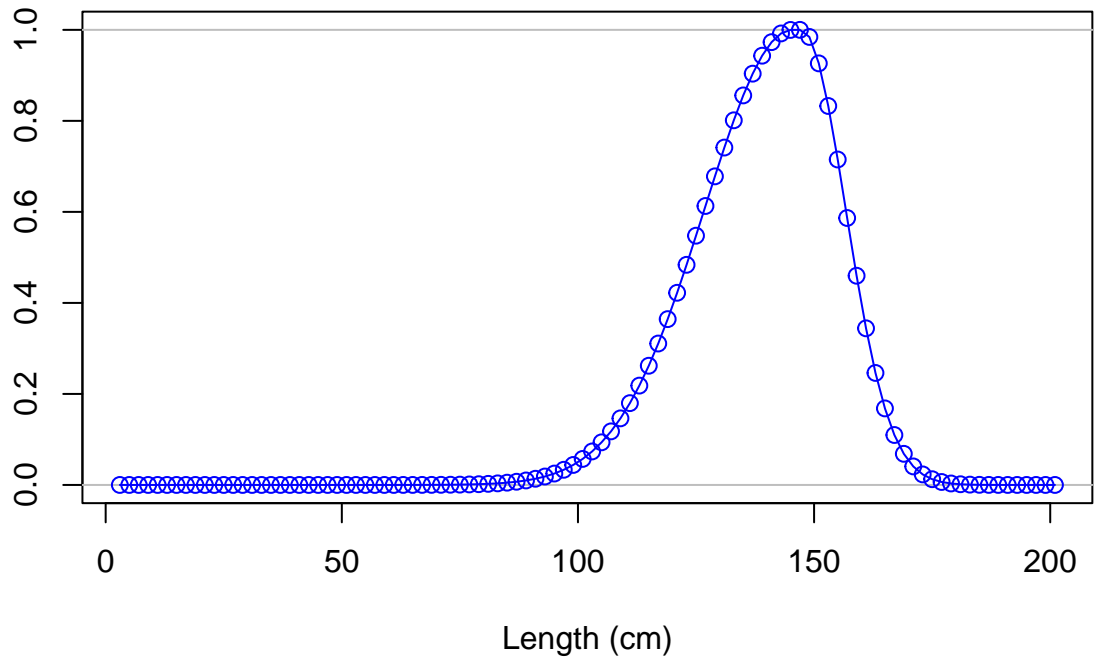
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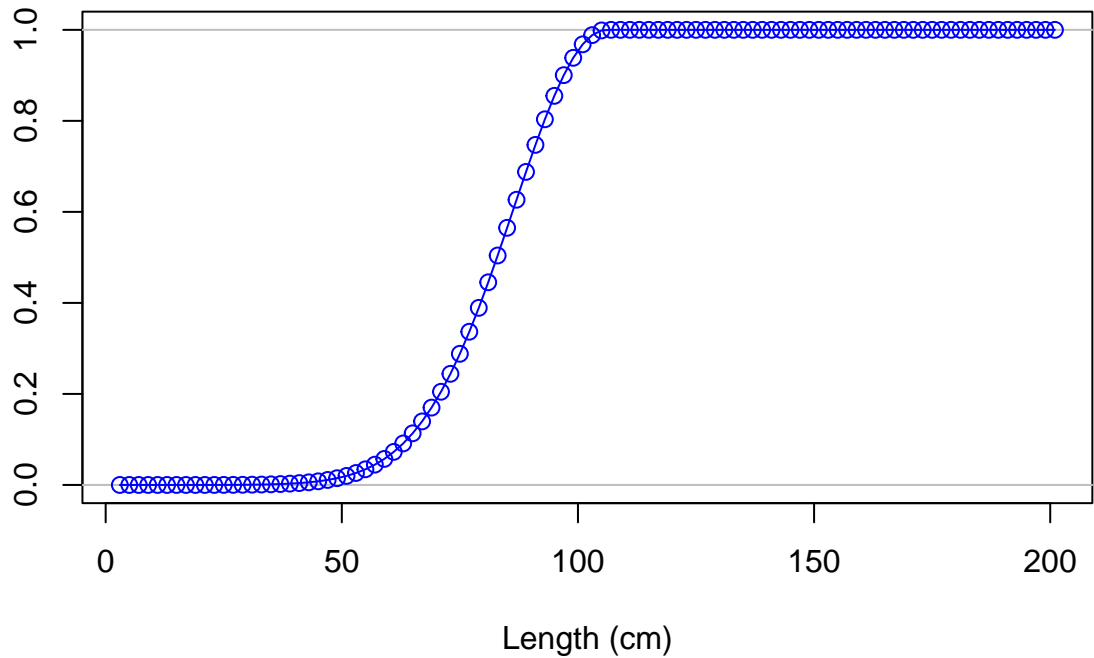
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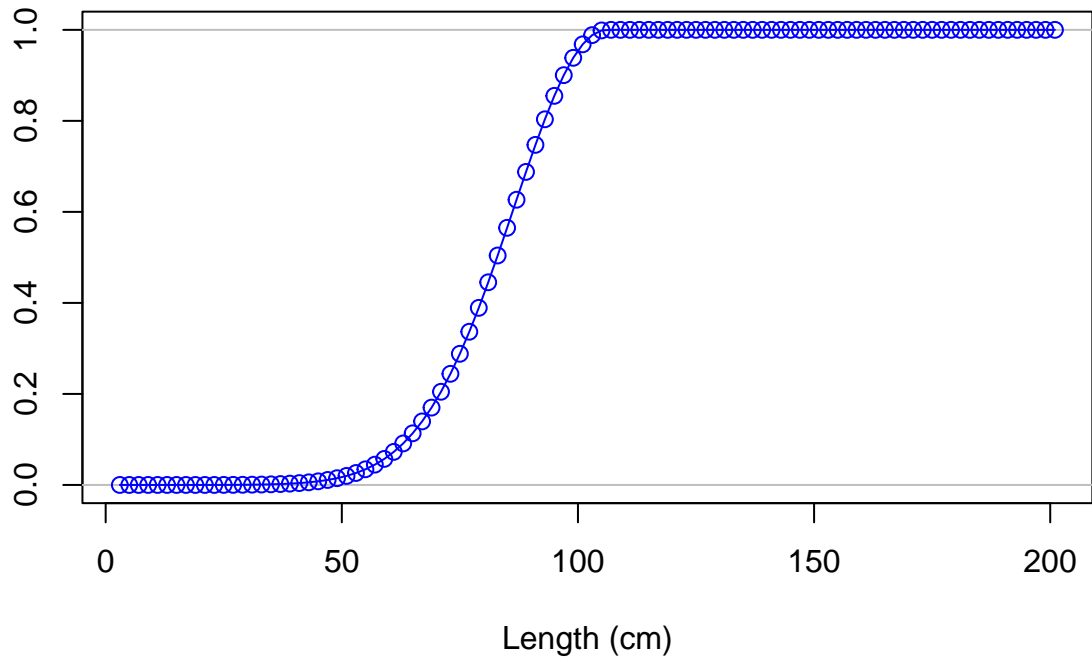
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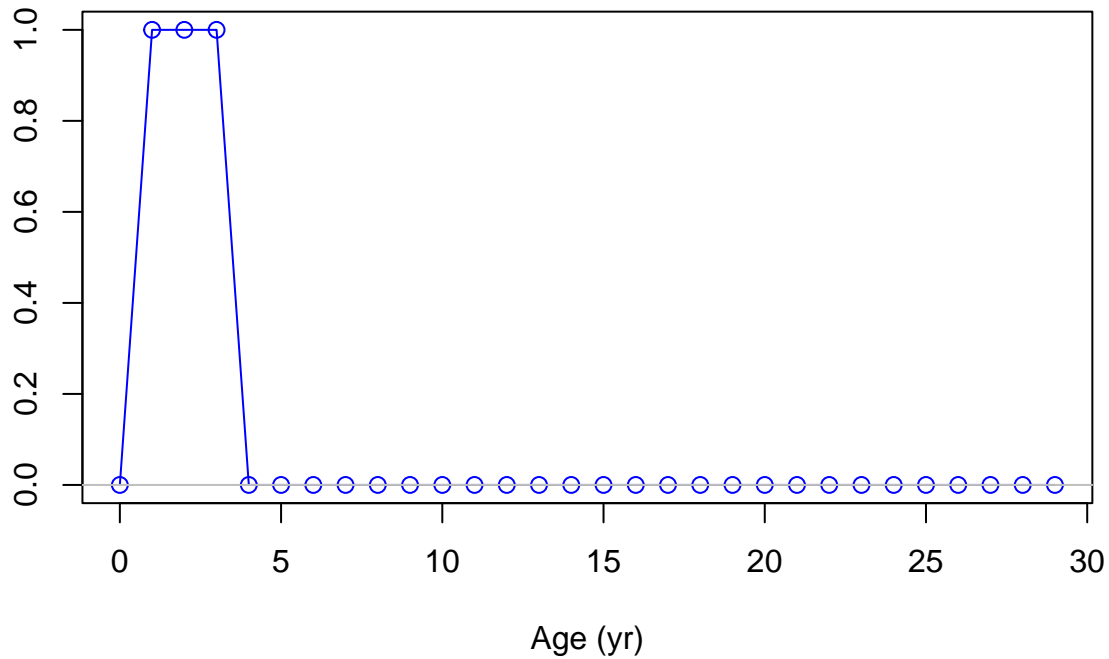
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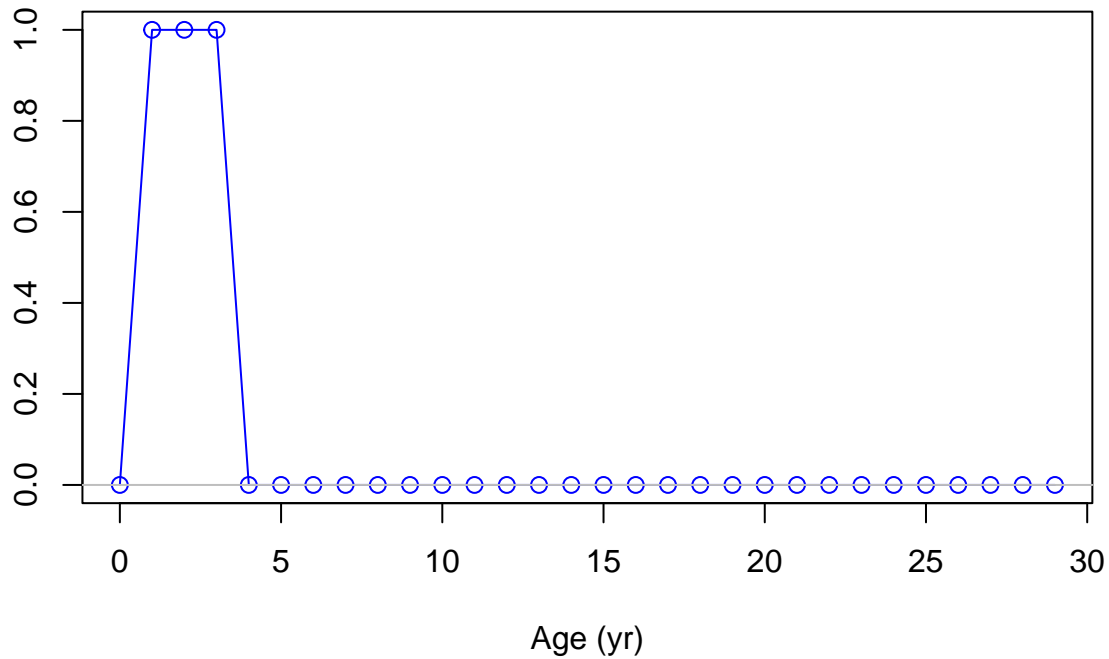
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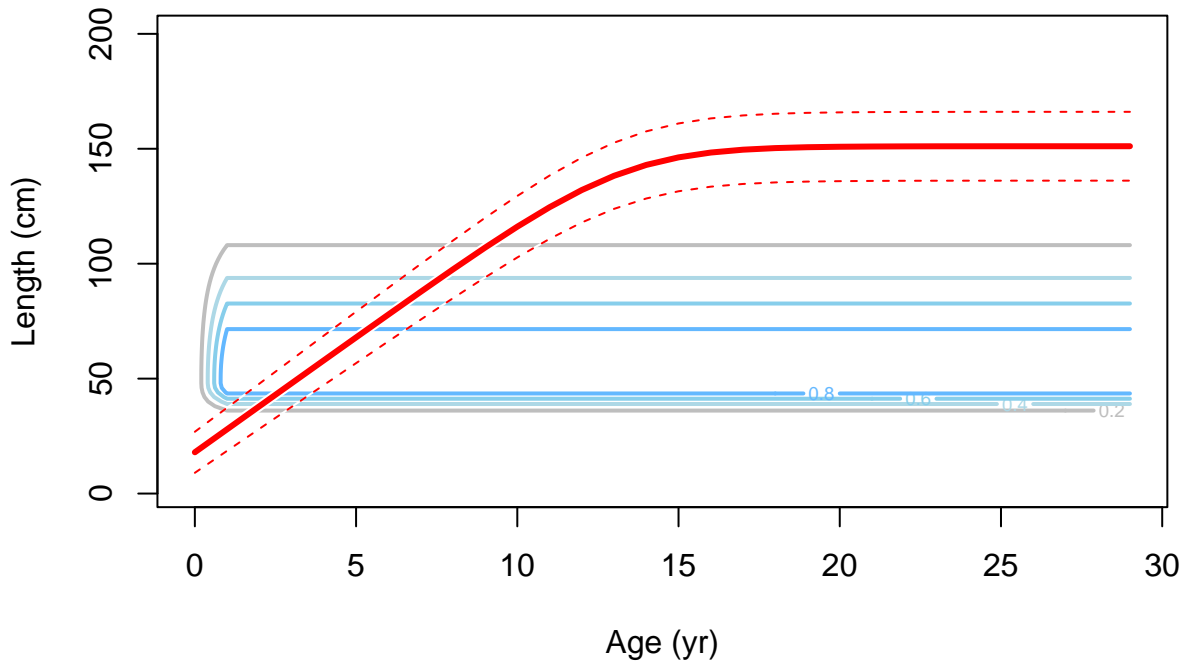


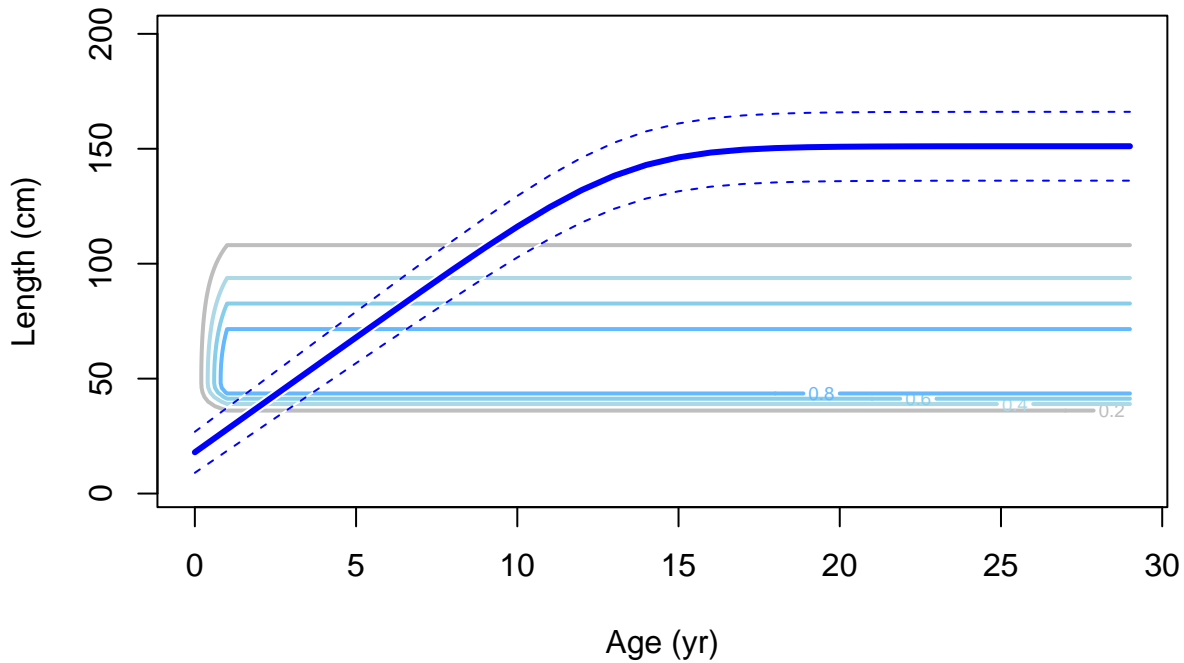
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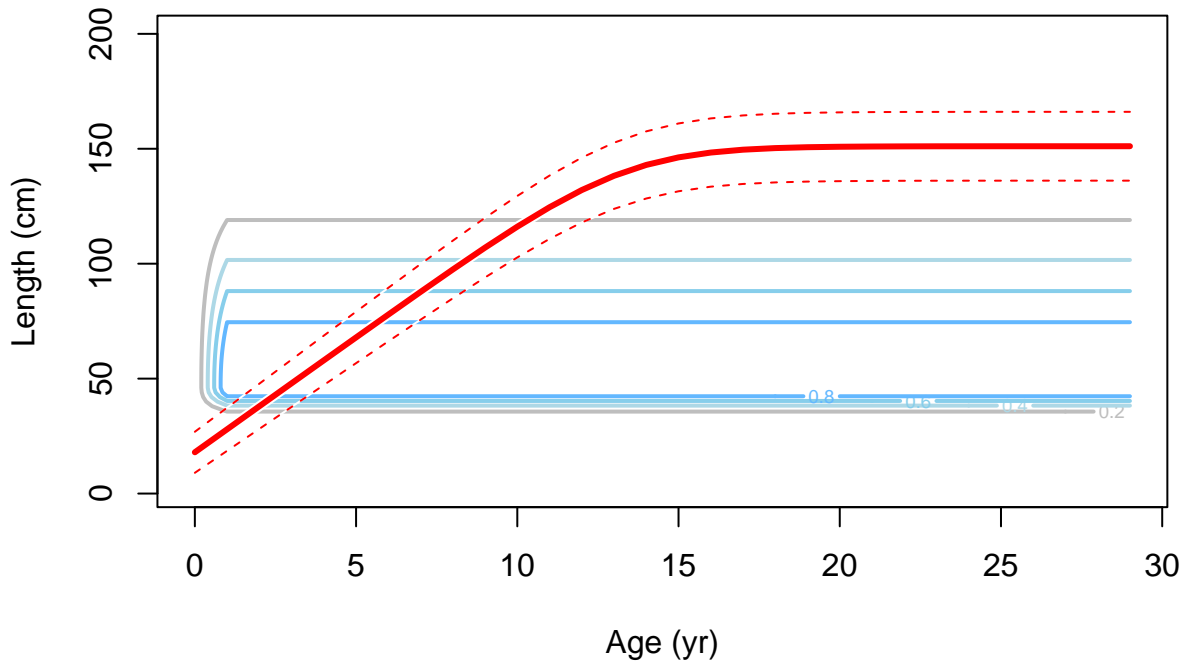


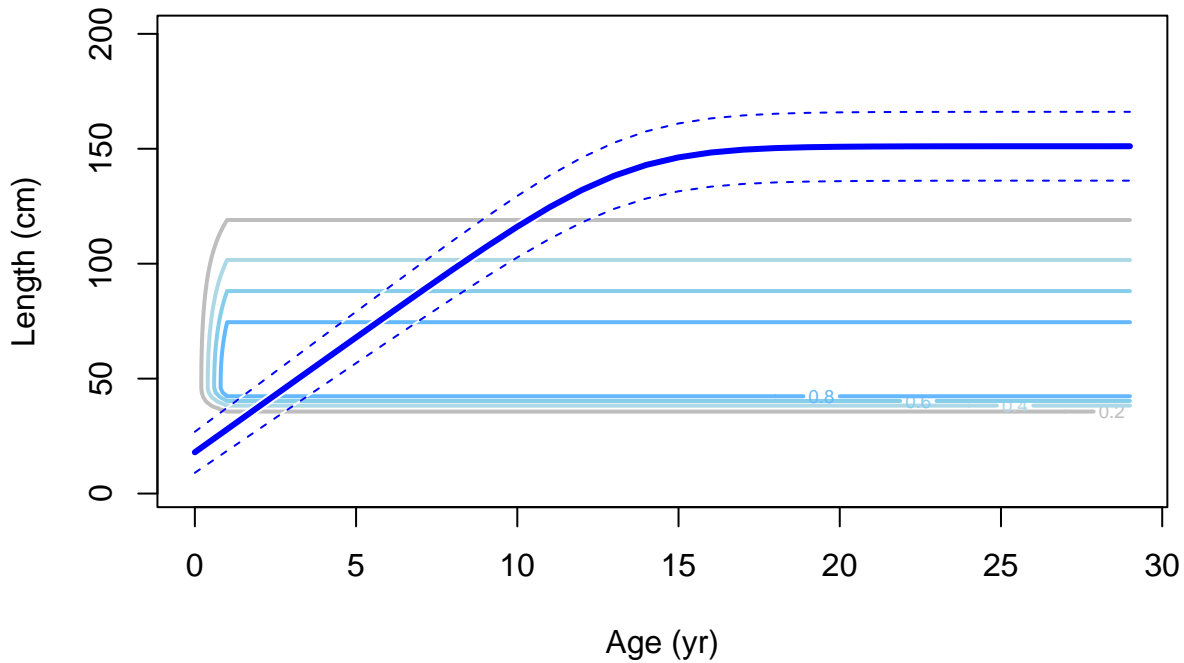
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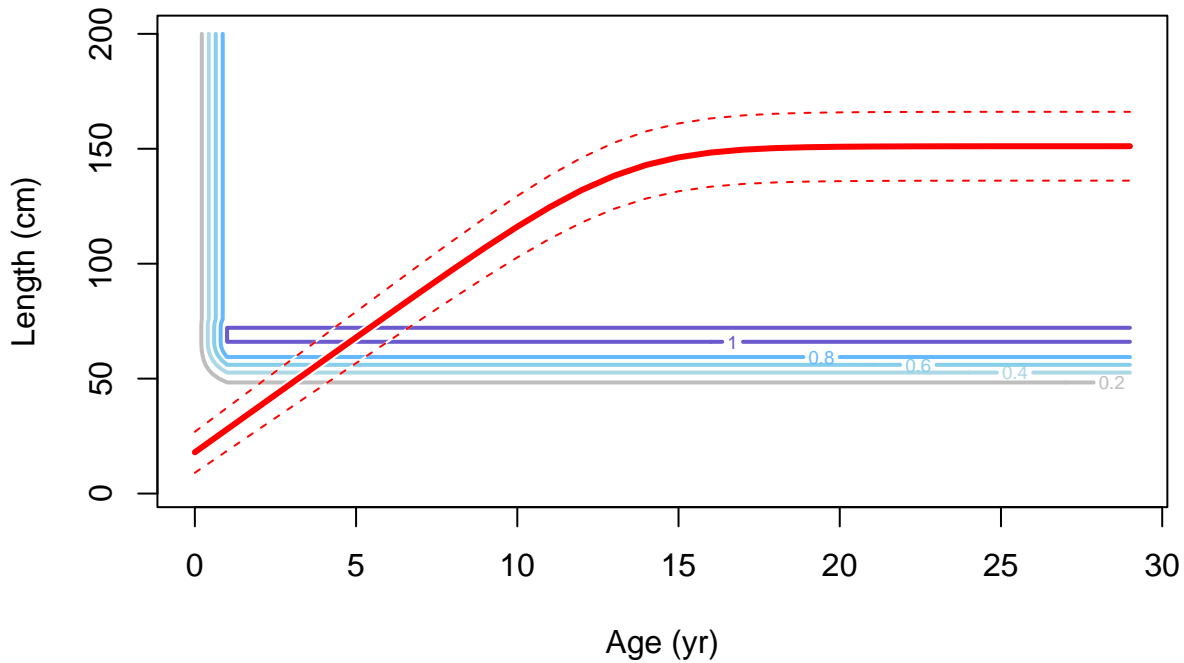


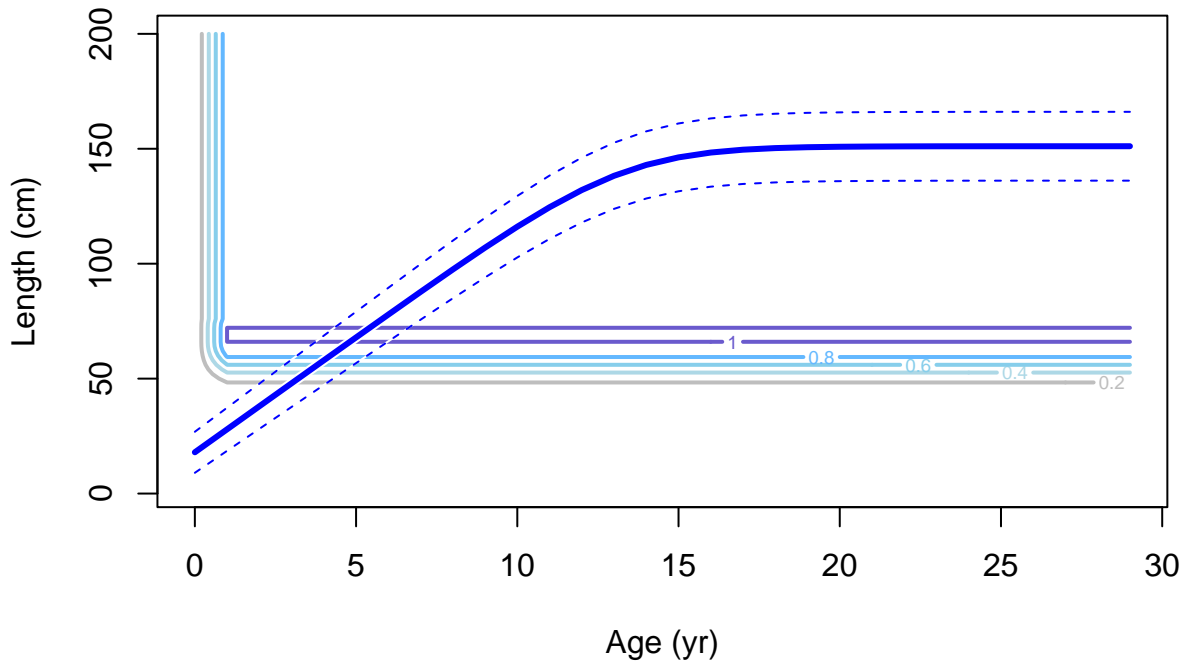


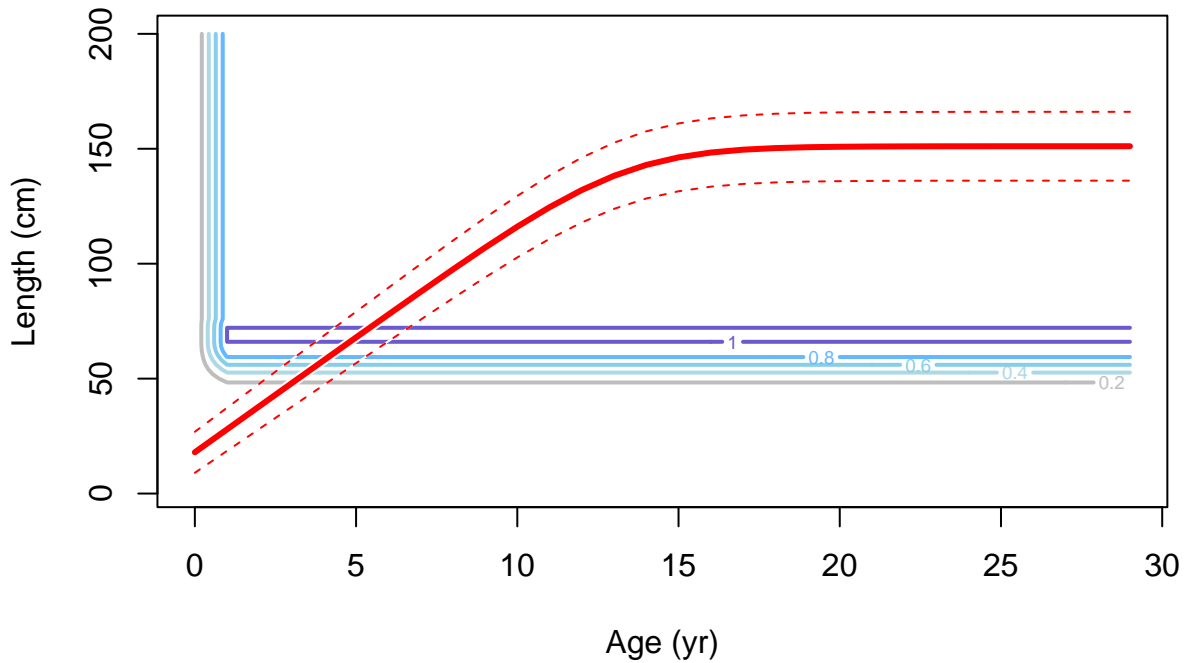


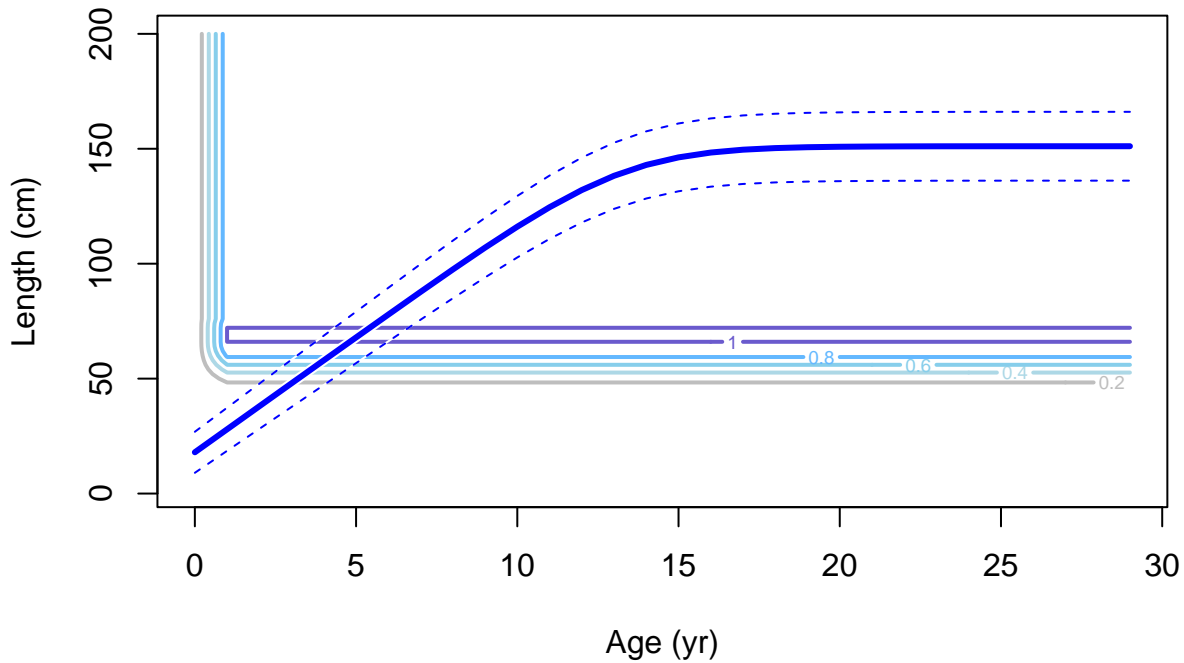


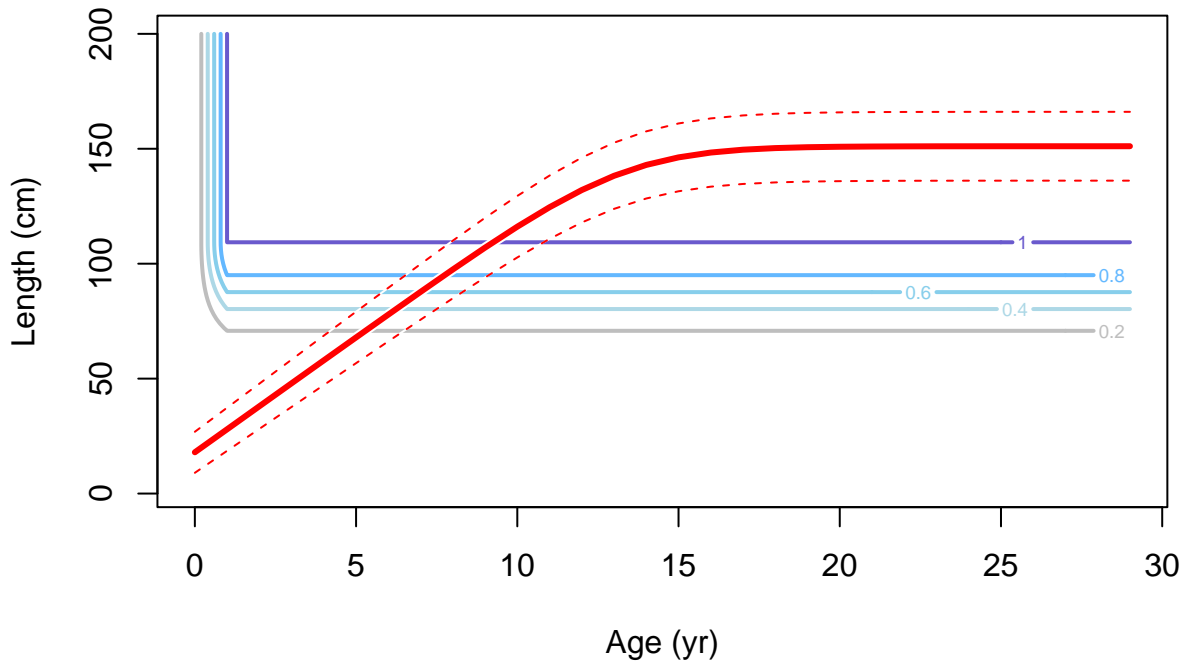


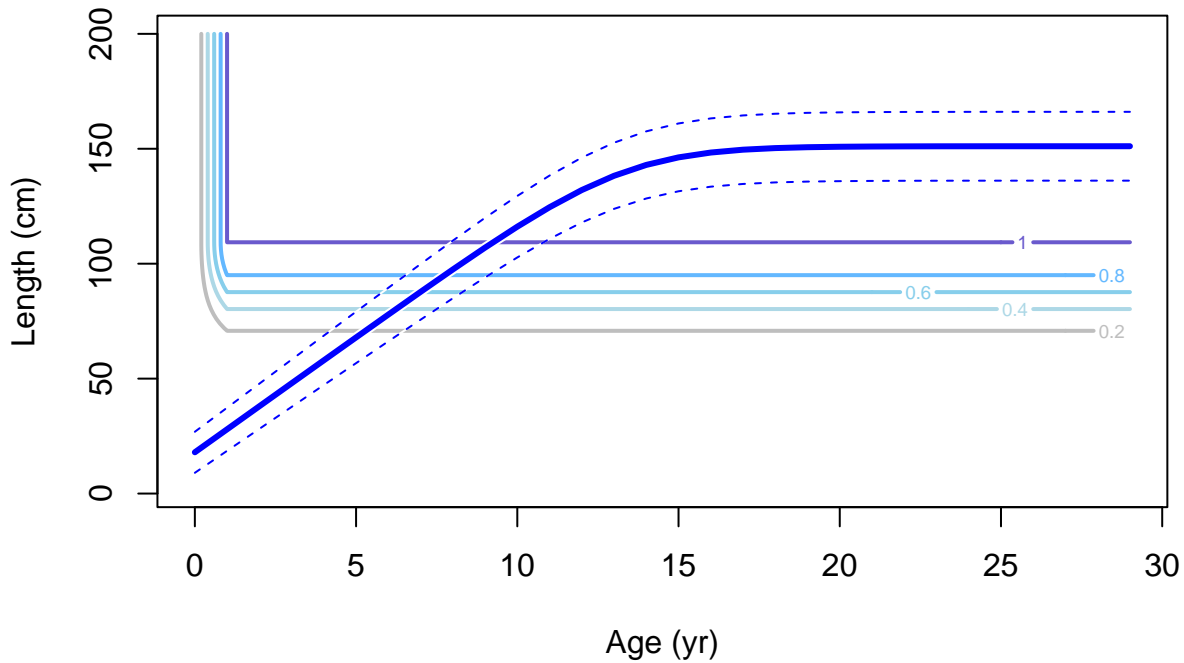


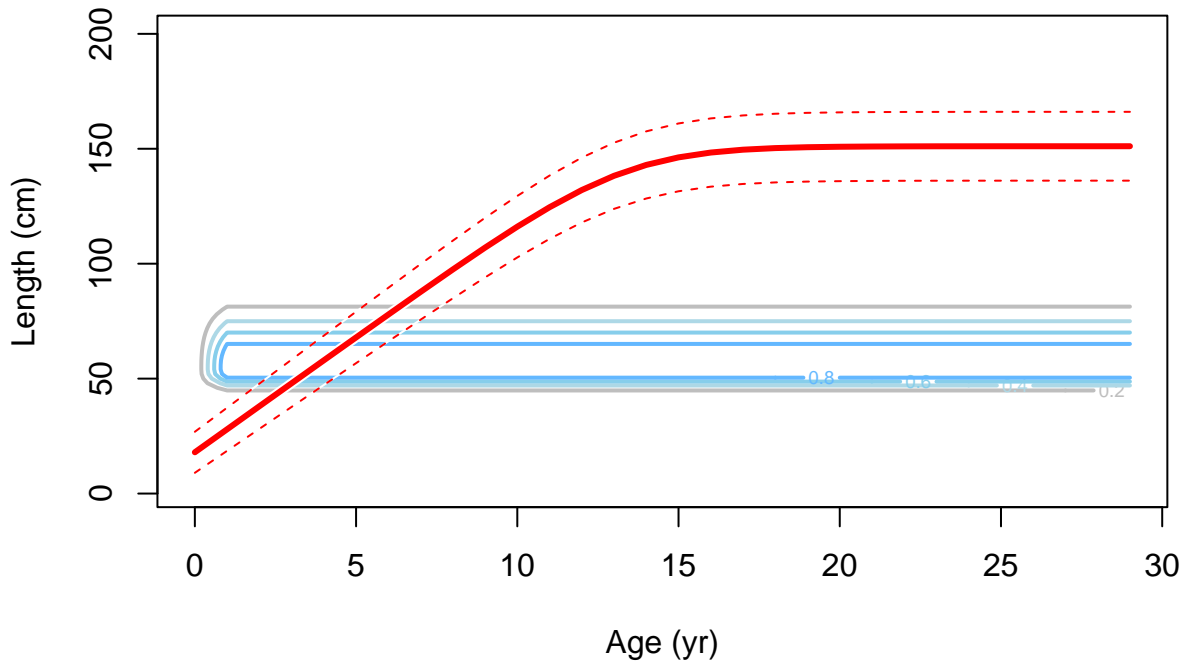


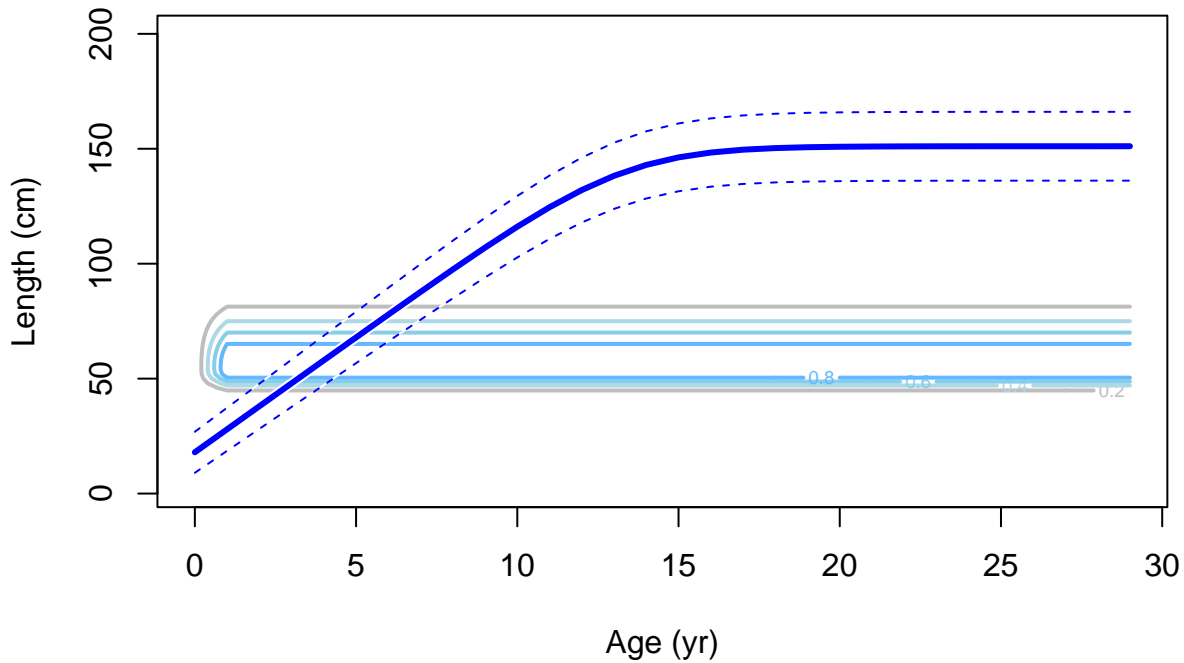


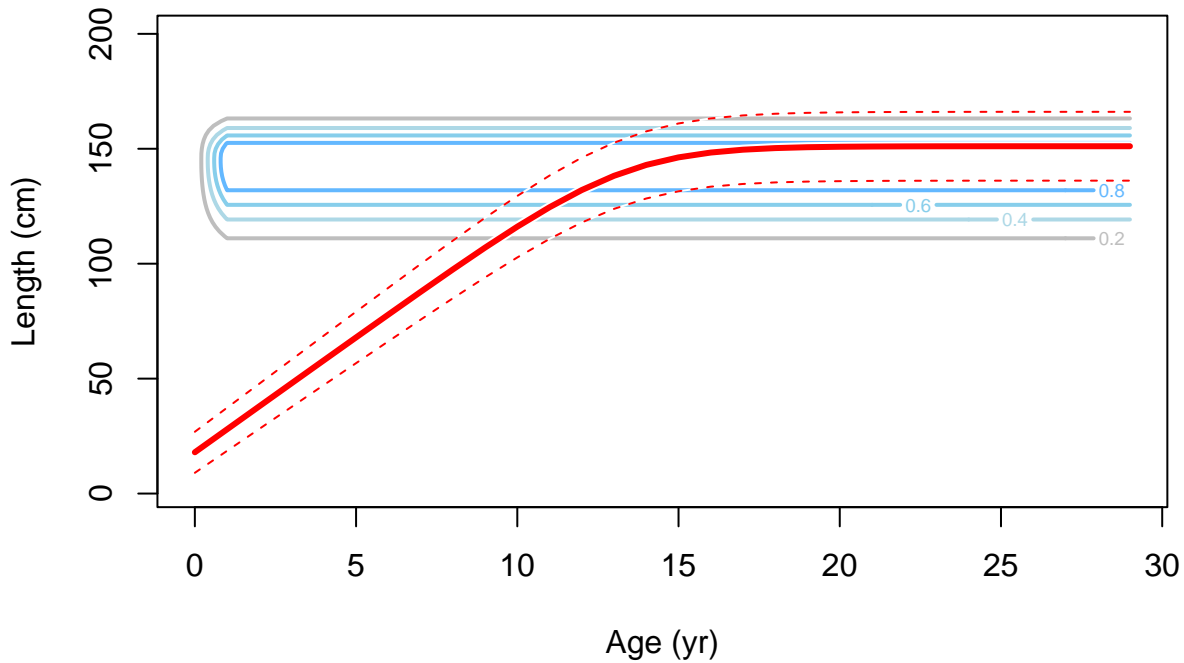


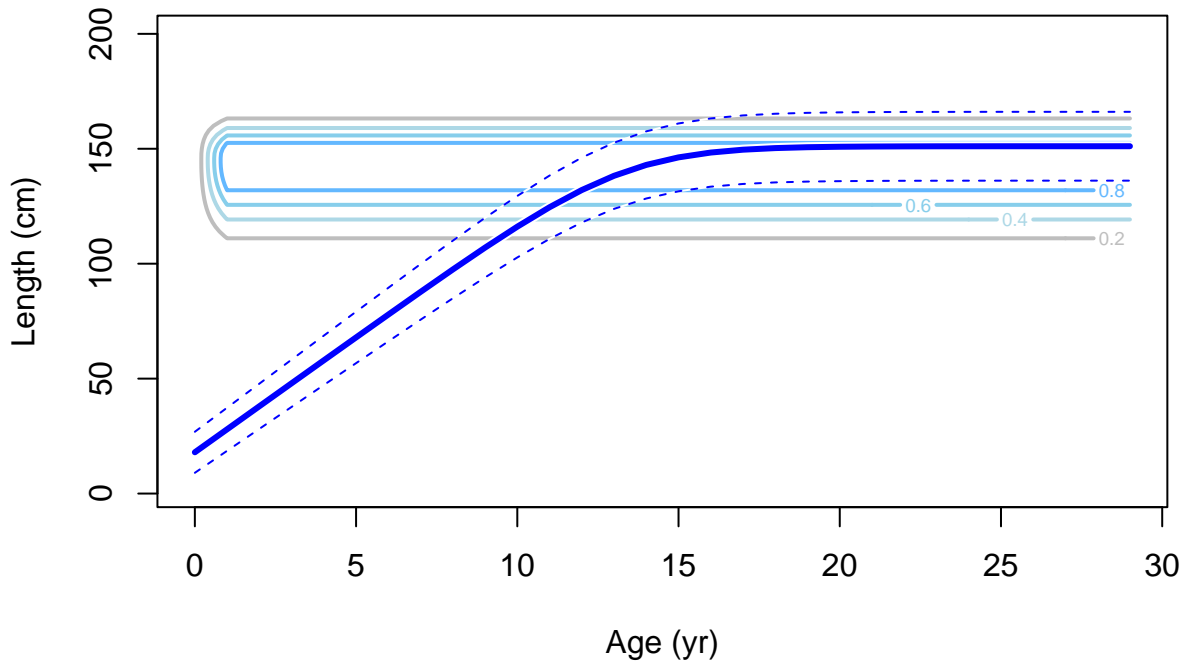


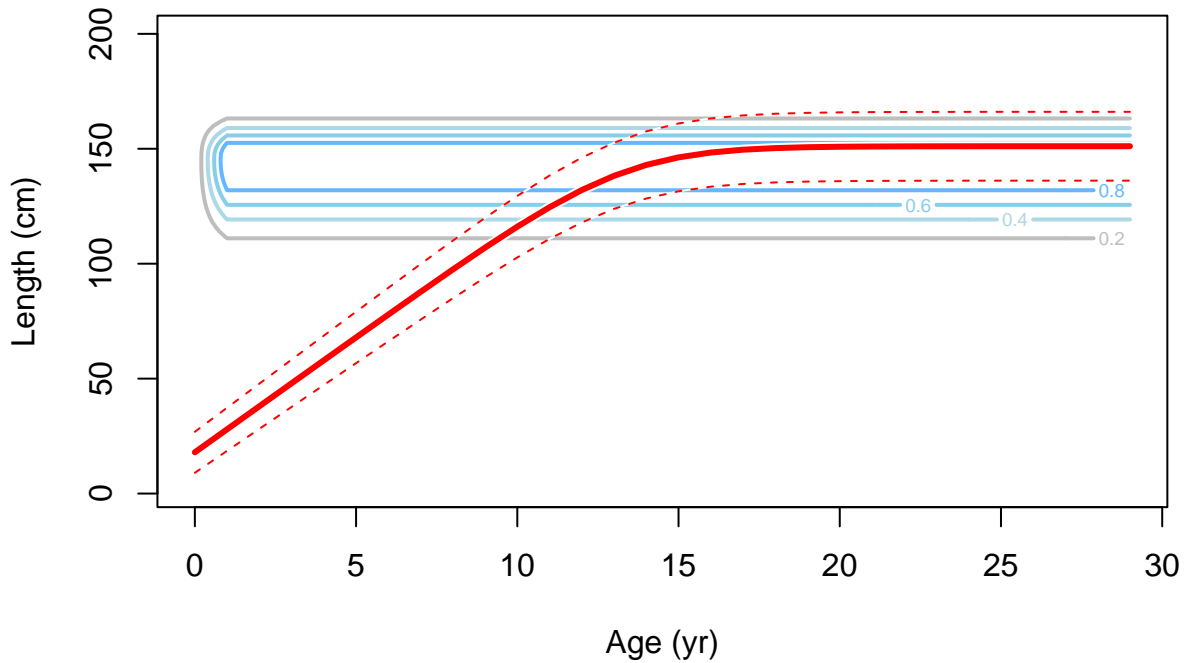


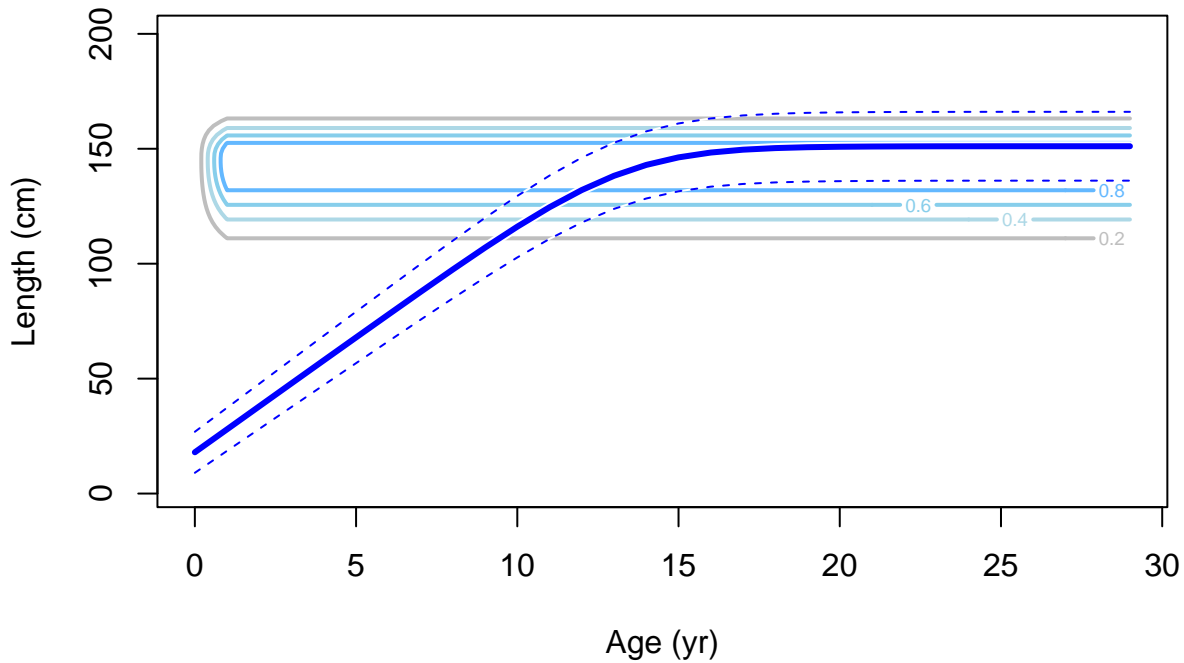


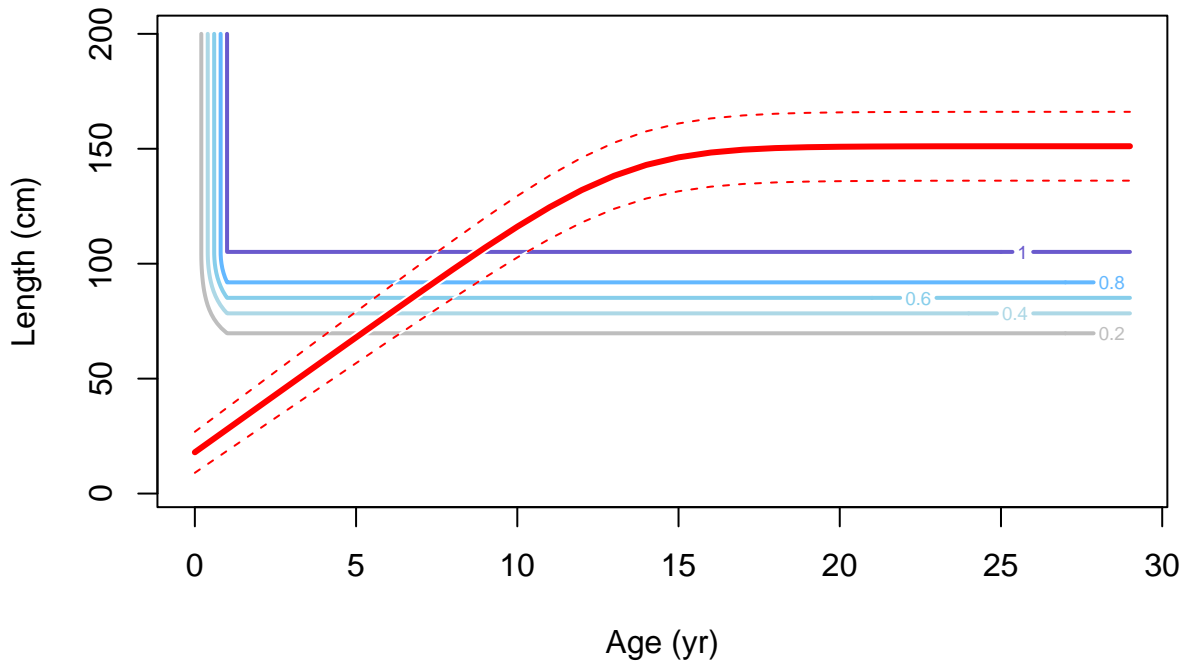


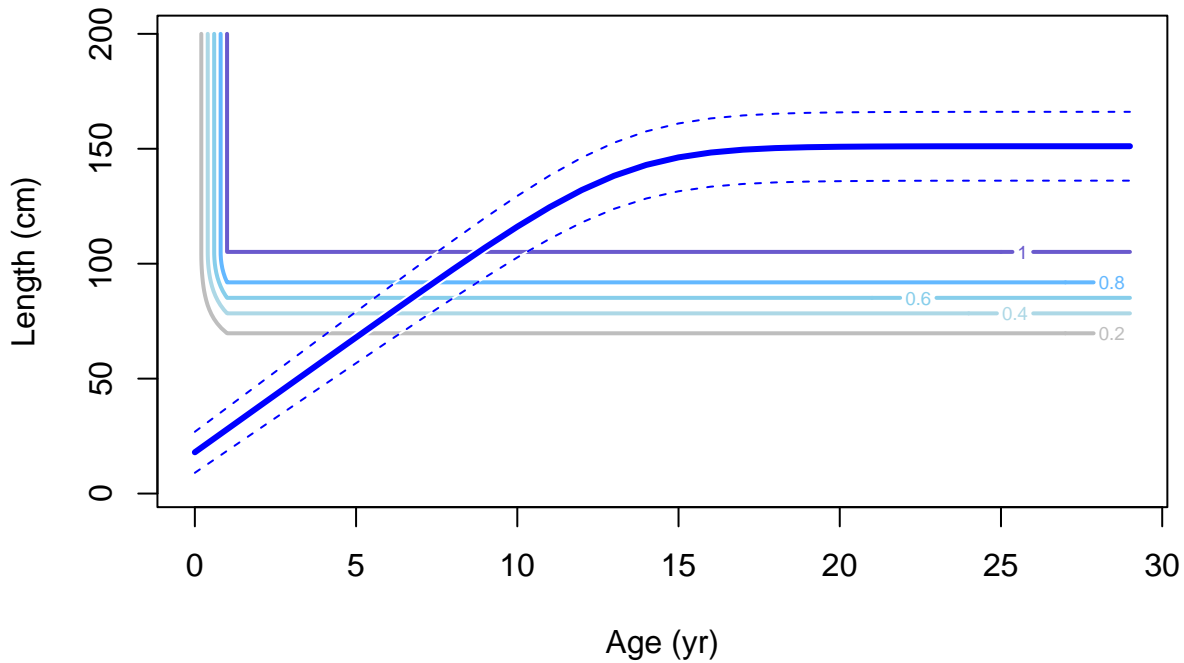




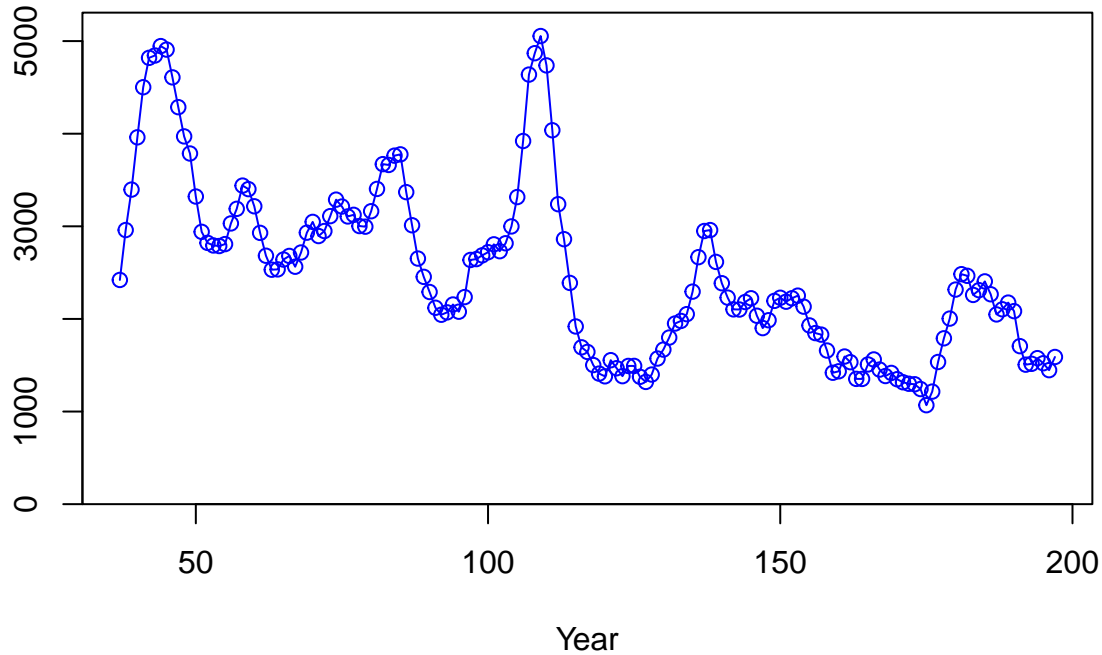




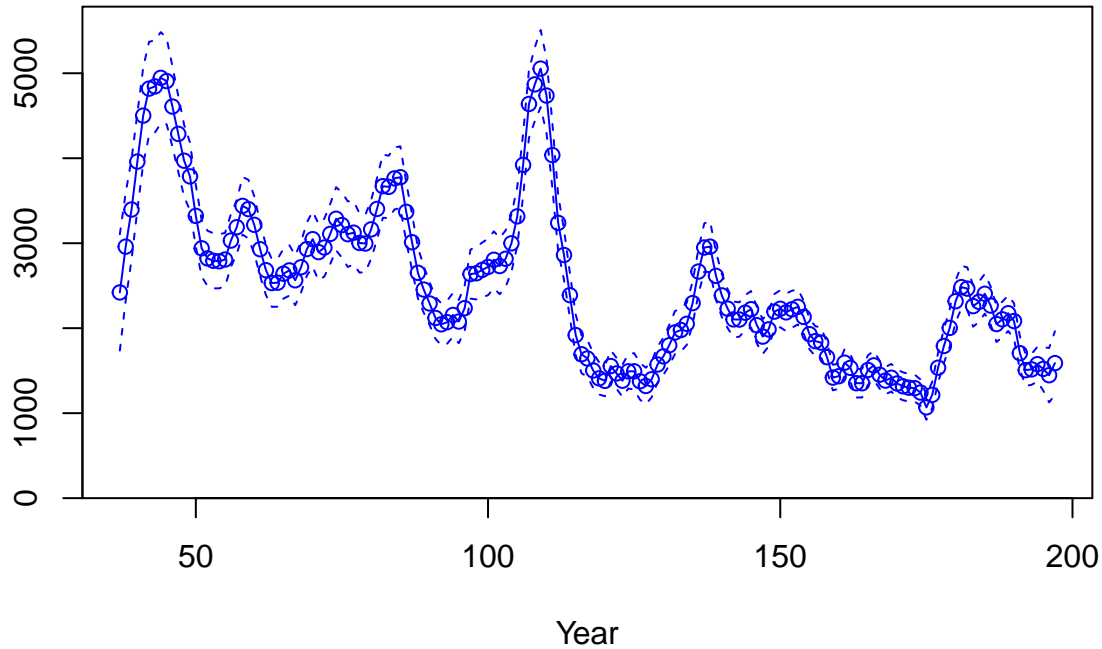




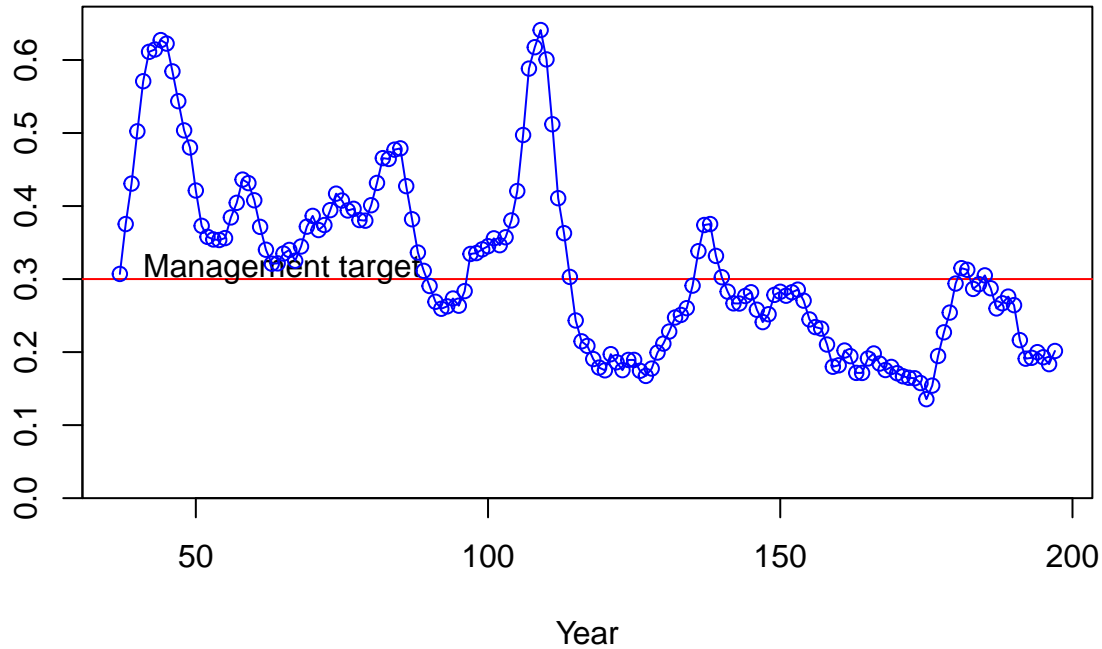
Spawning output



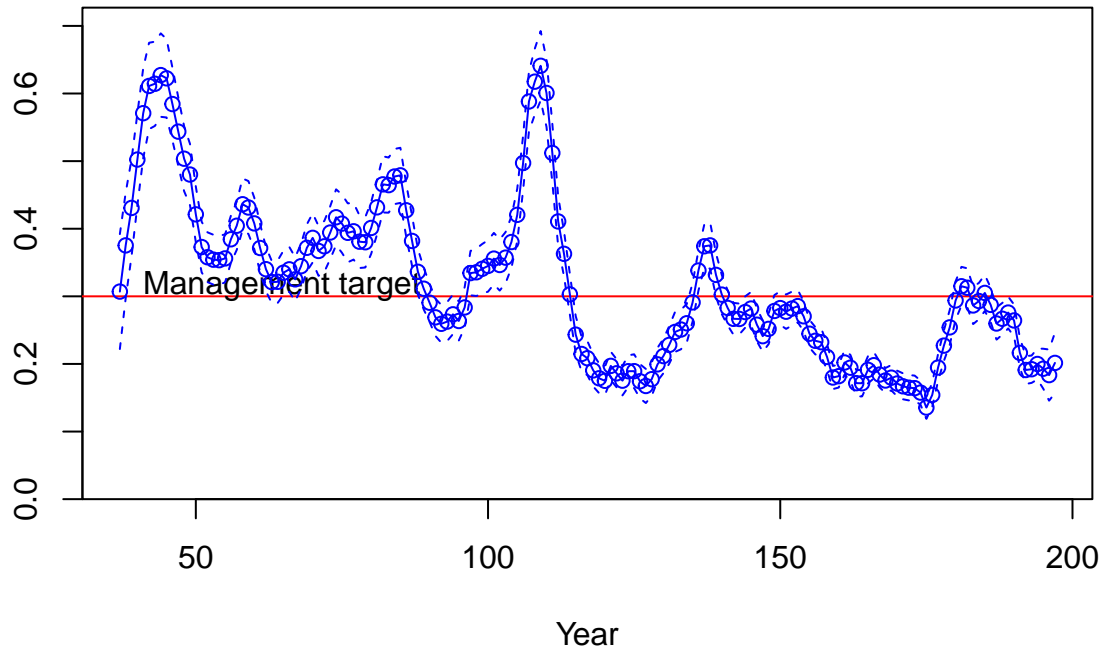
Spawning output

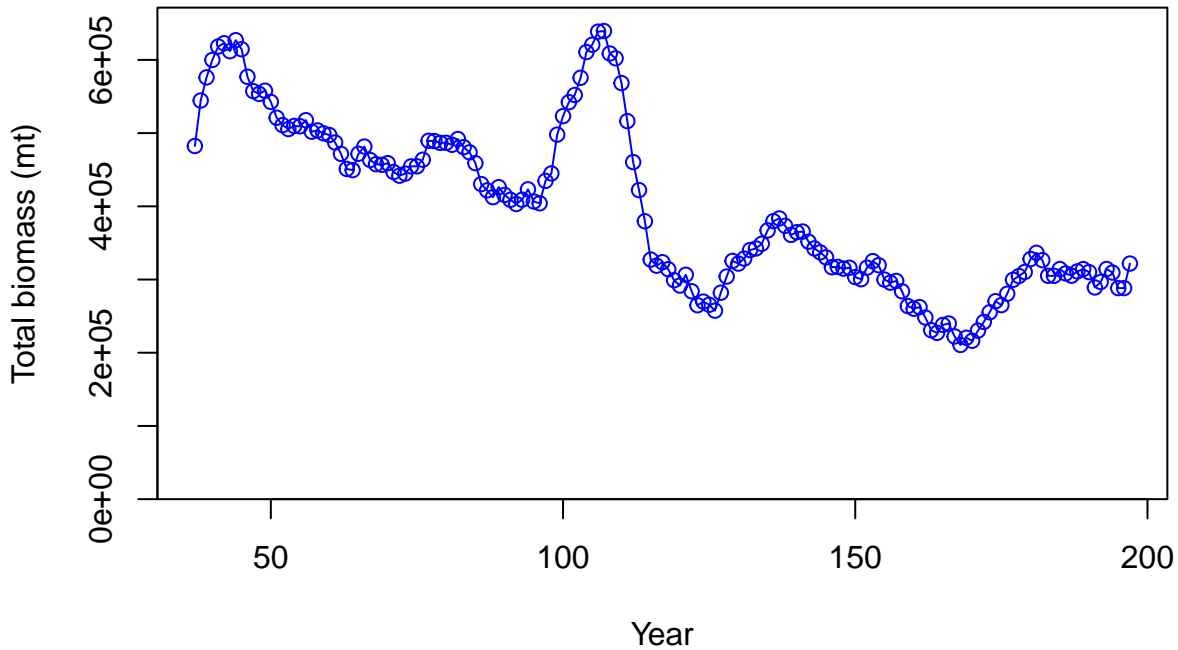


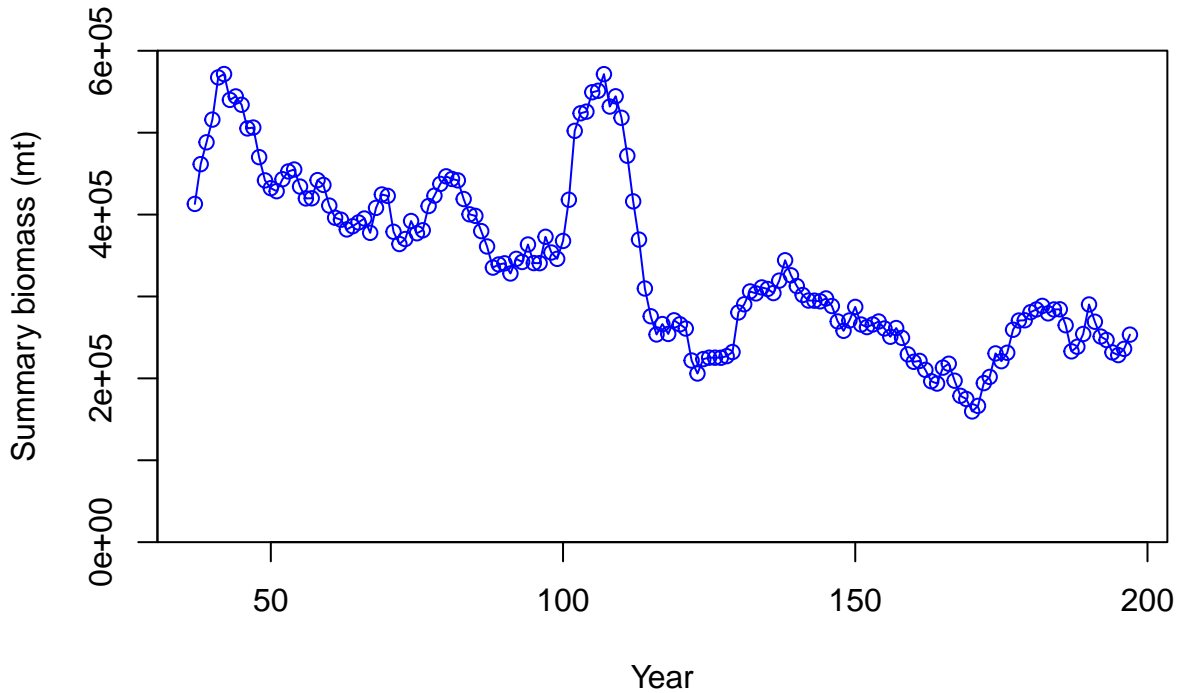
Relative spawning output: B/B_0



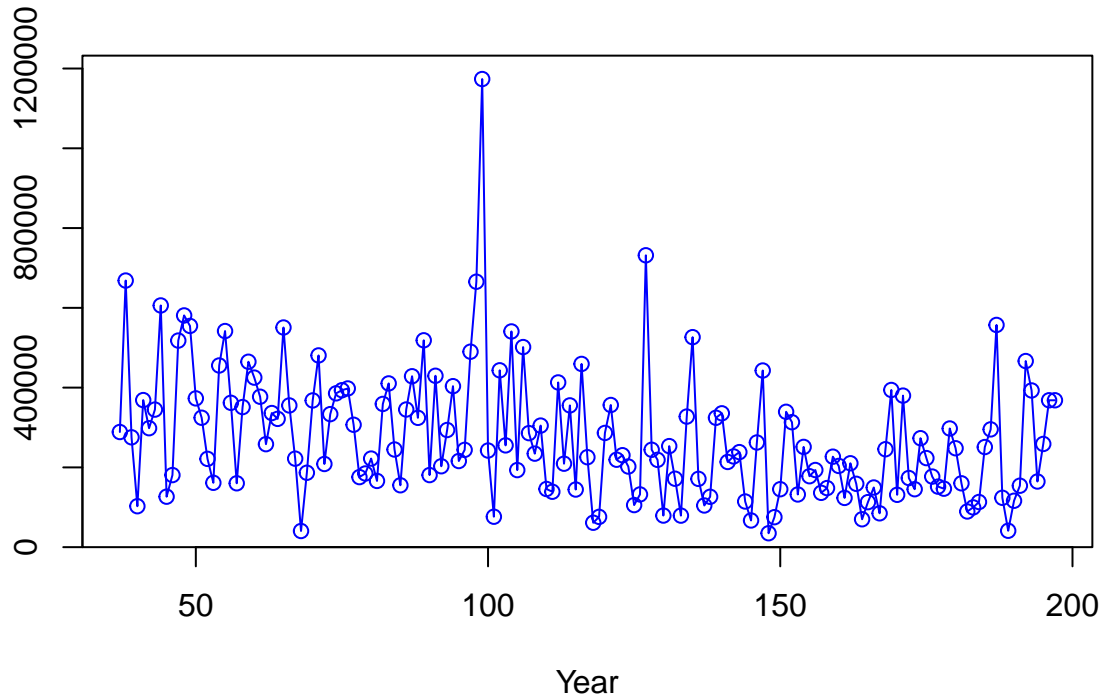
Relative spawning output: B/B_0

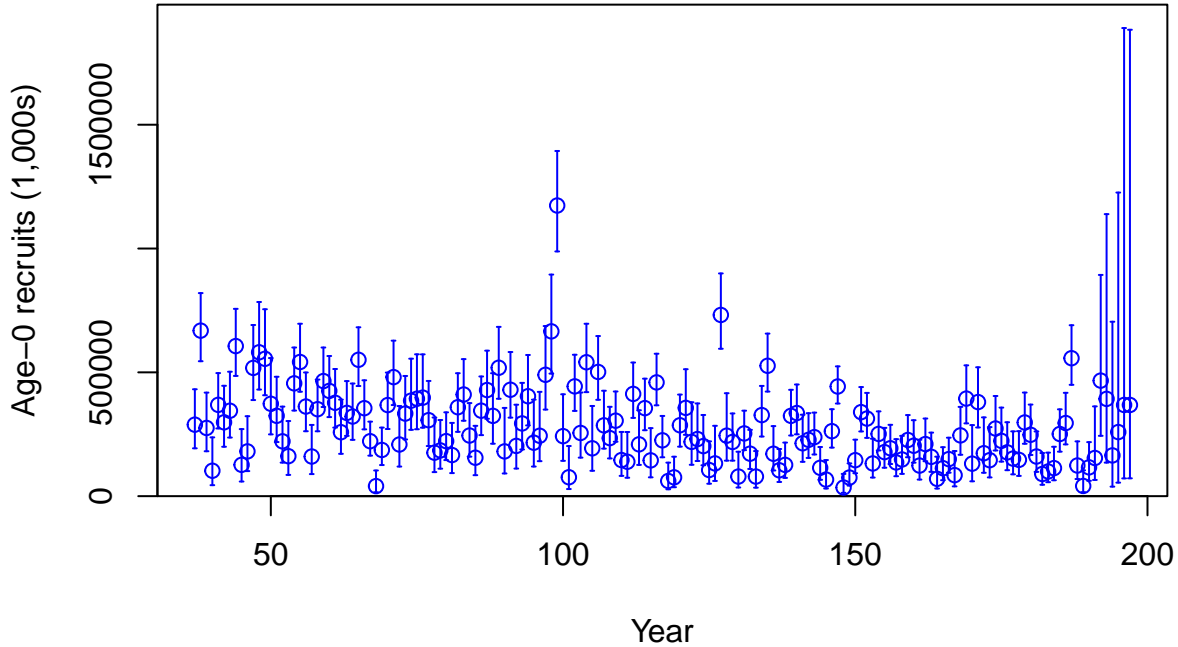




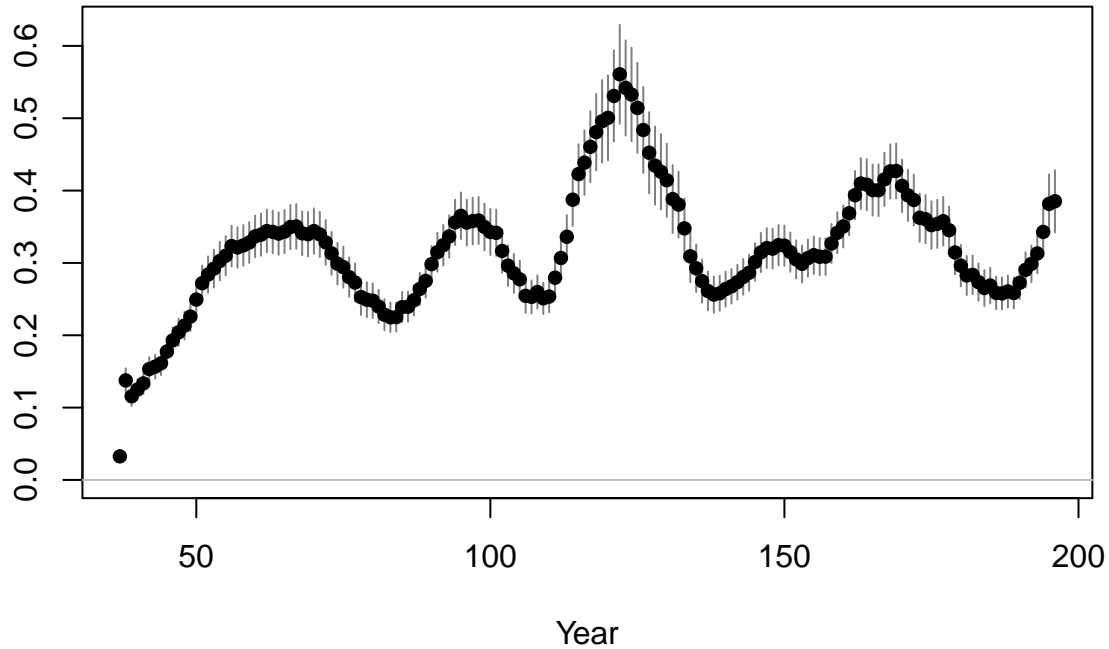


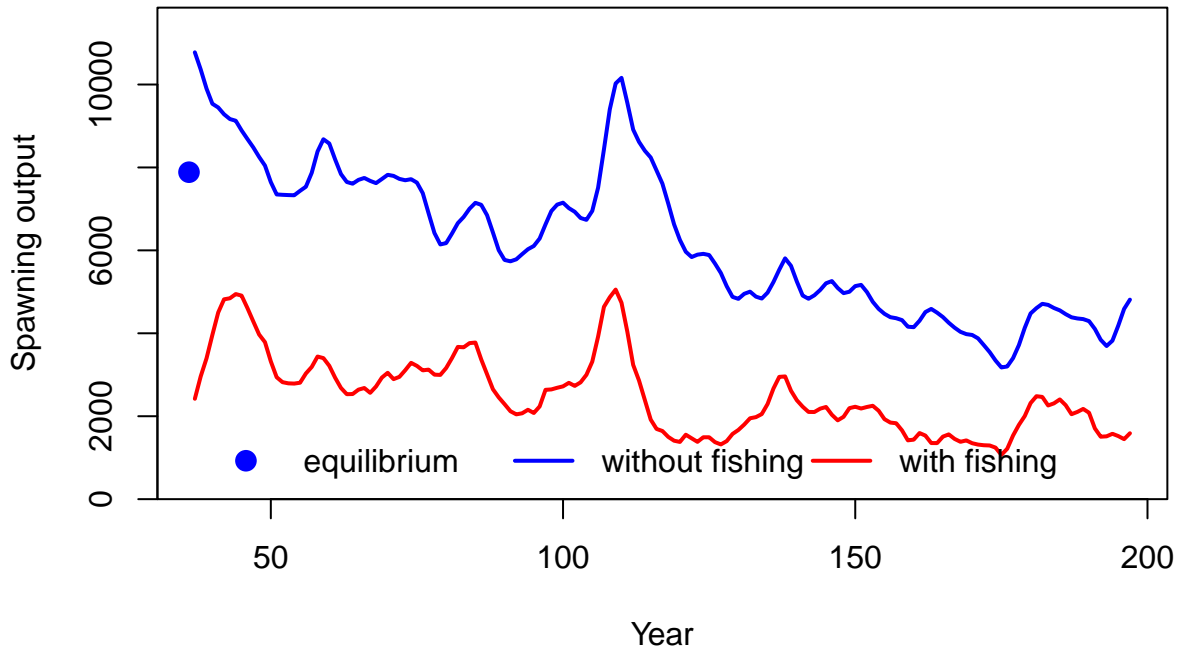
Age-0 recruits (1,000s)



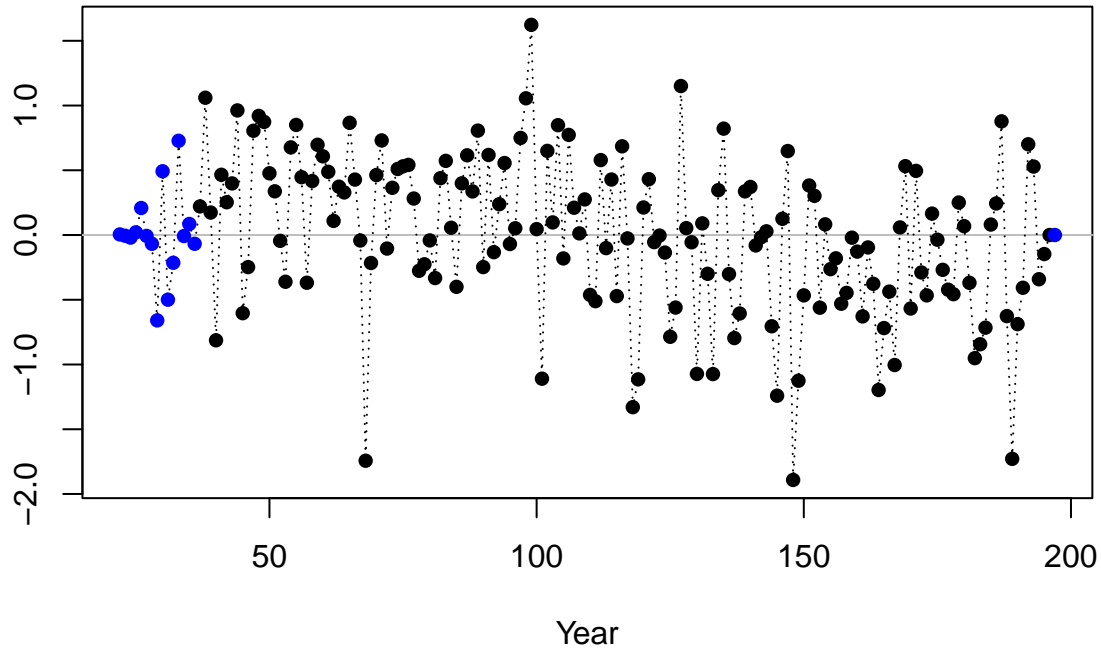


Summary Fishing Mortality

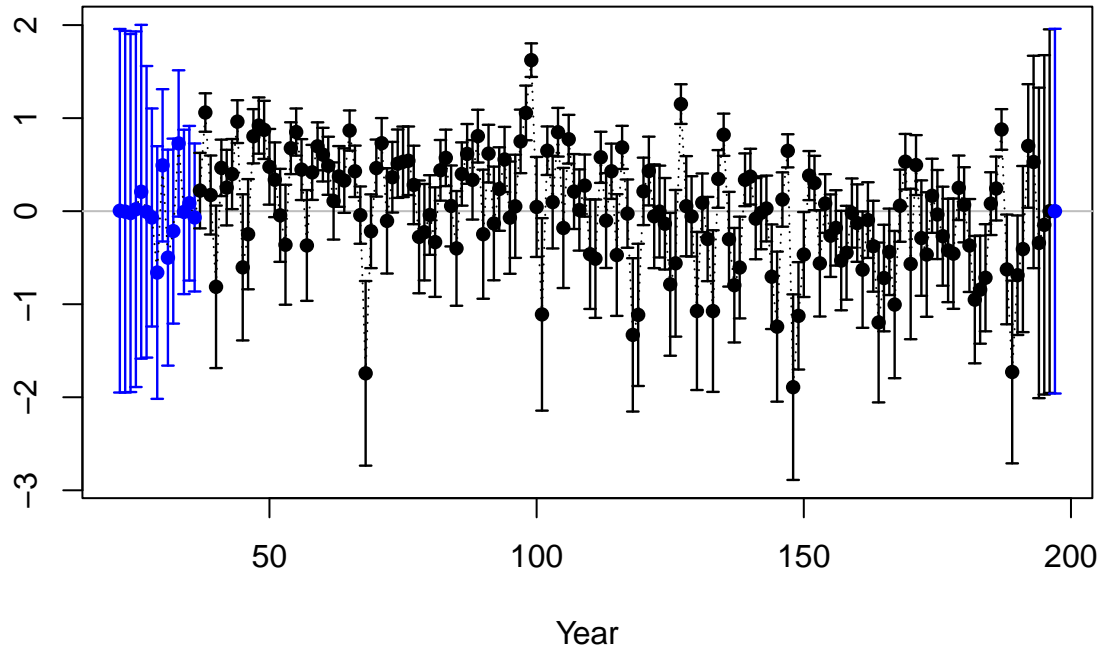




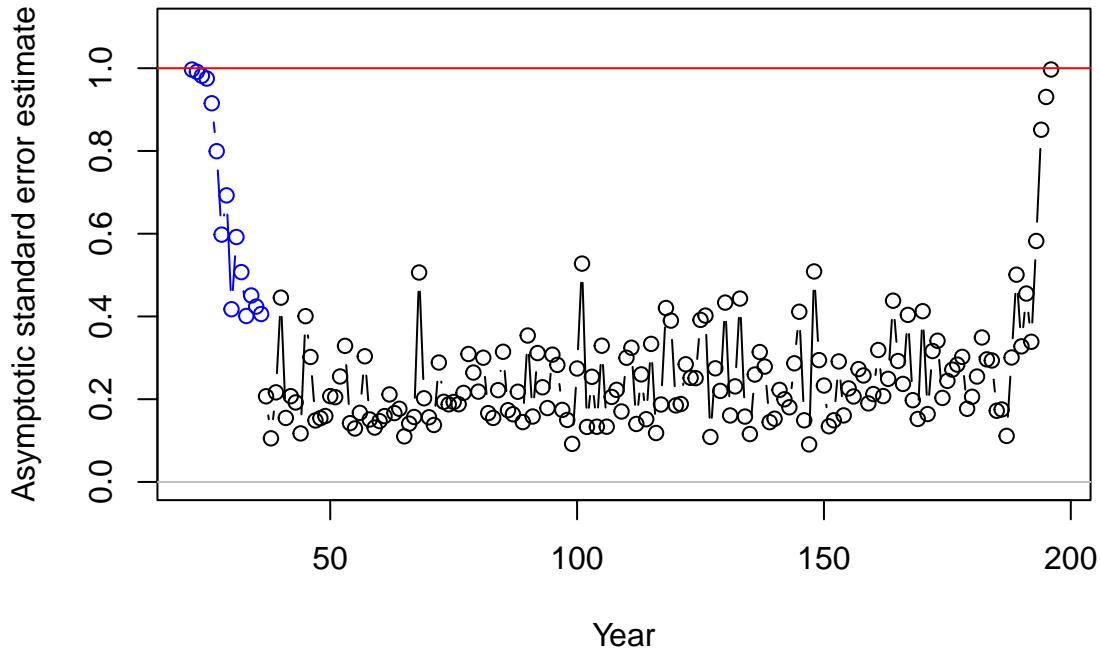
Log recruitment deviation

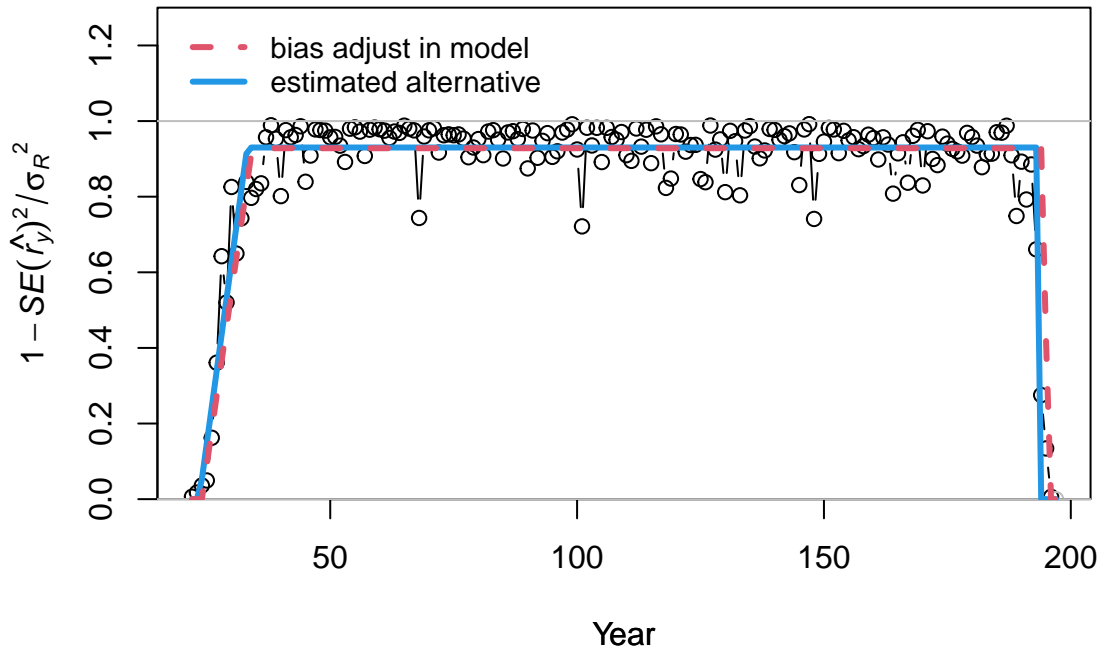


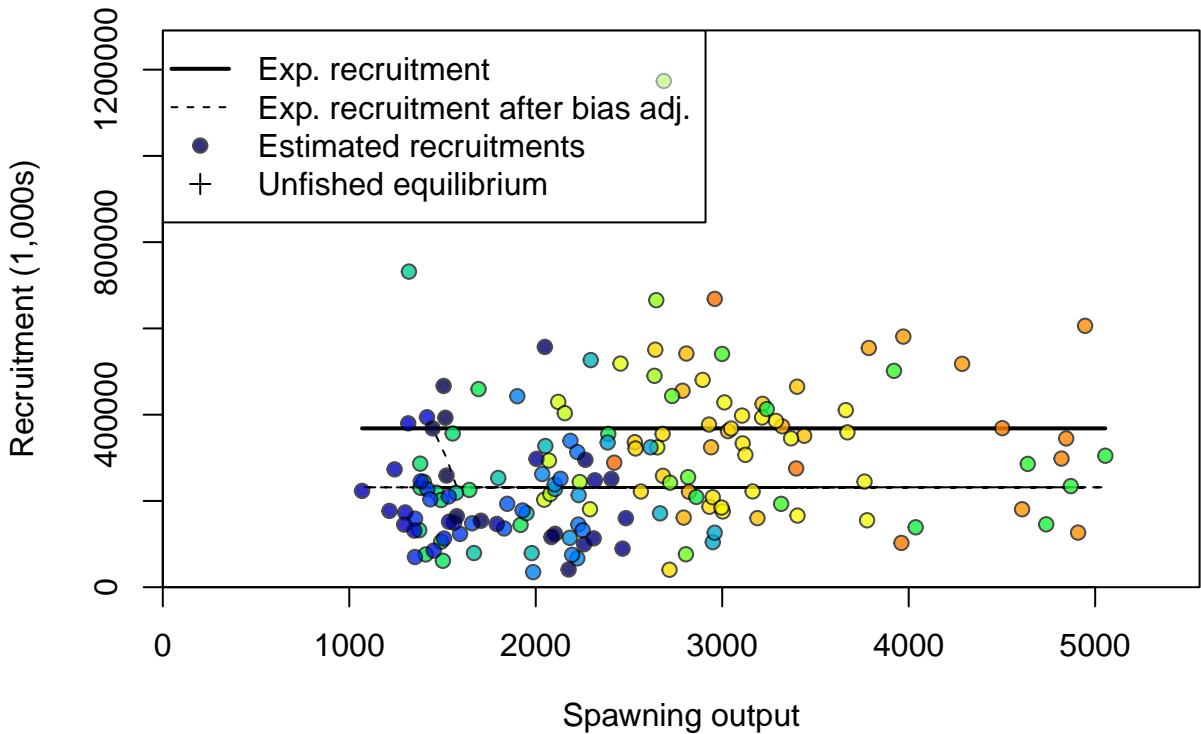
Log recruitment deviation

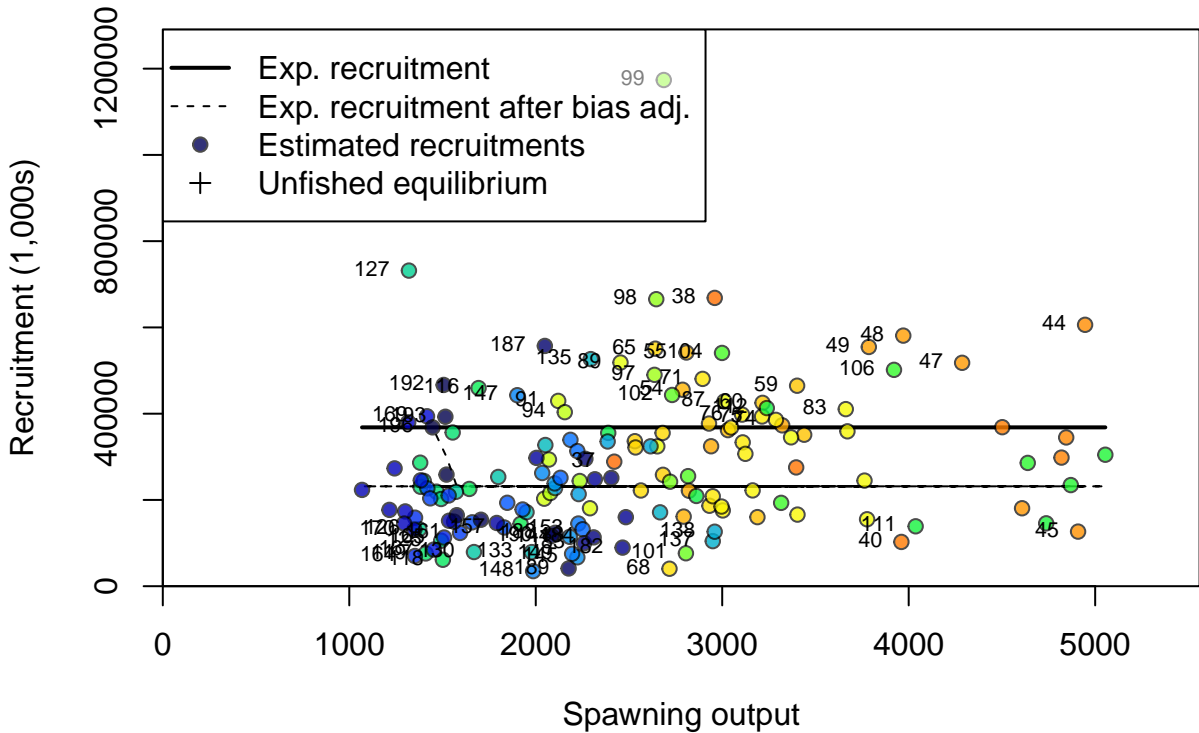


Recruitment deviation variance

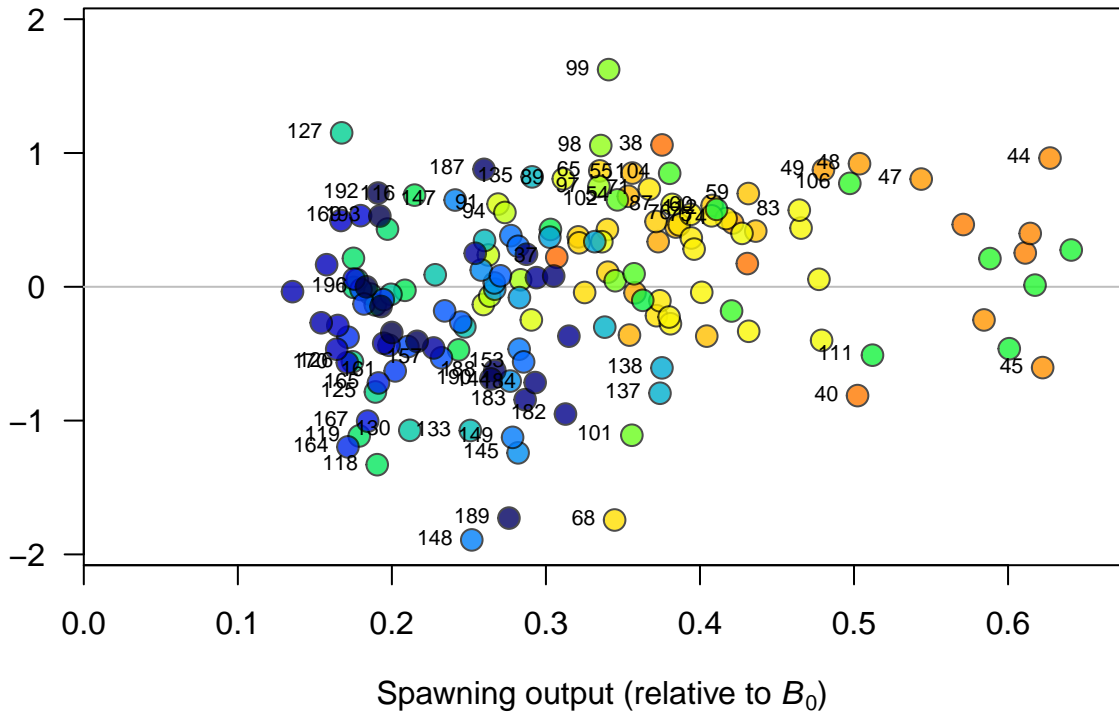


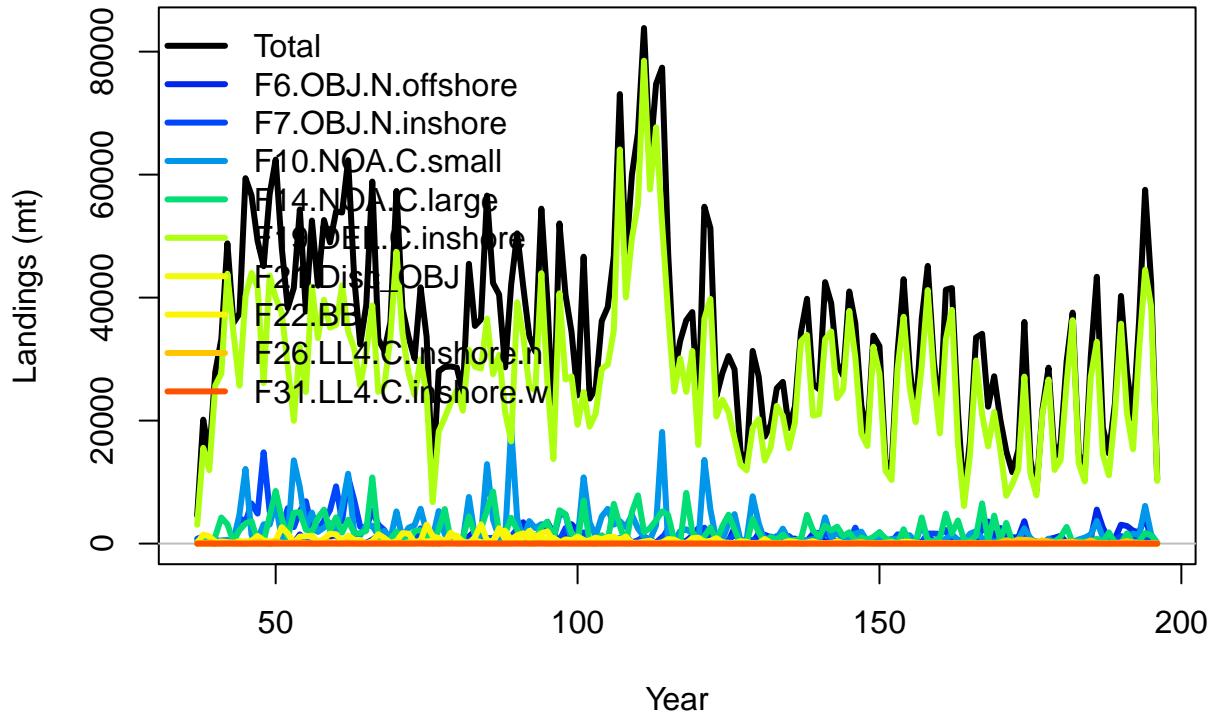


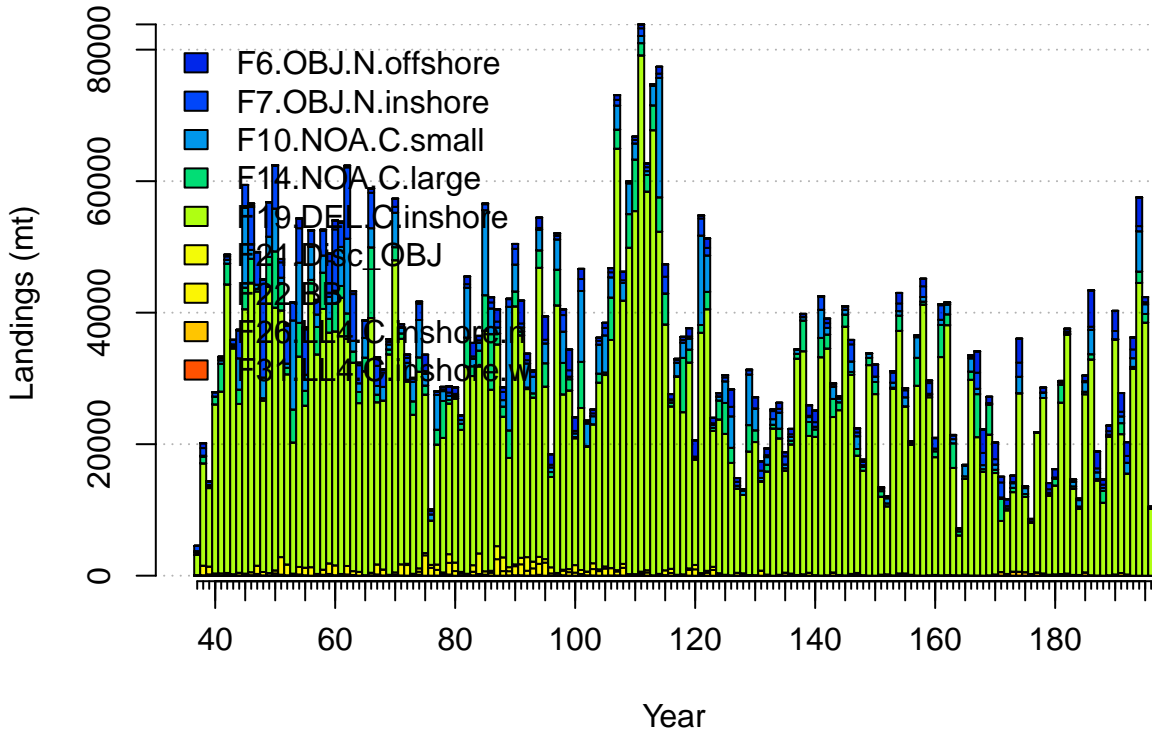


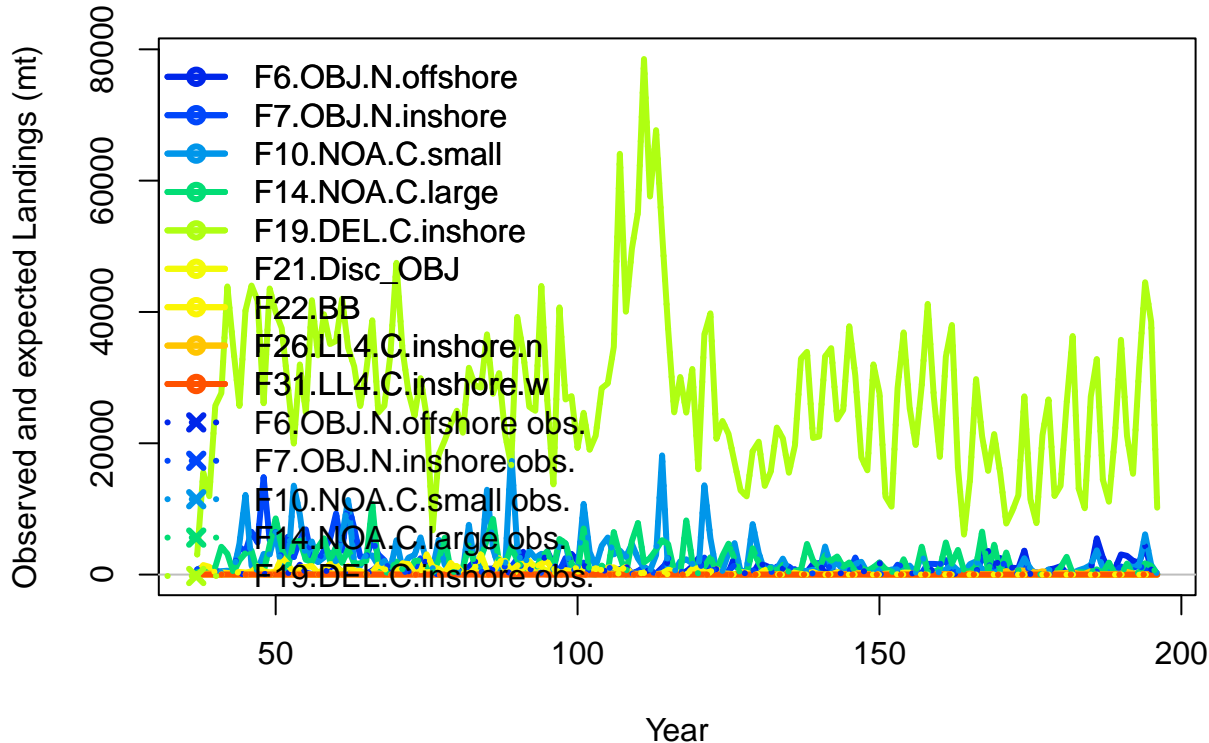


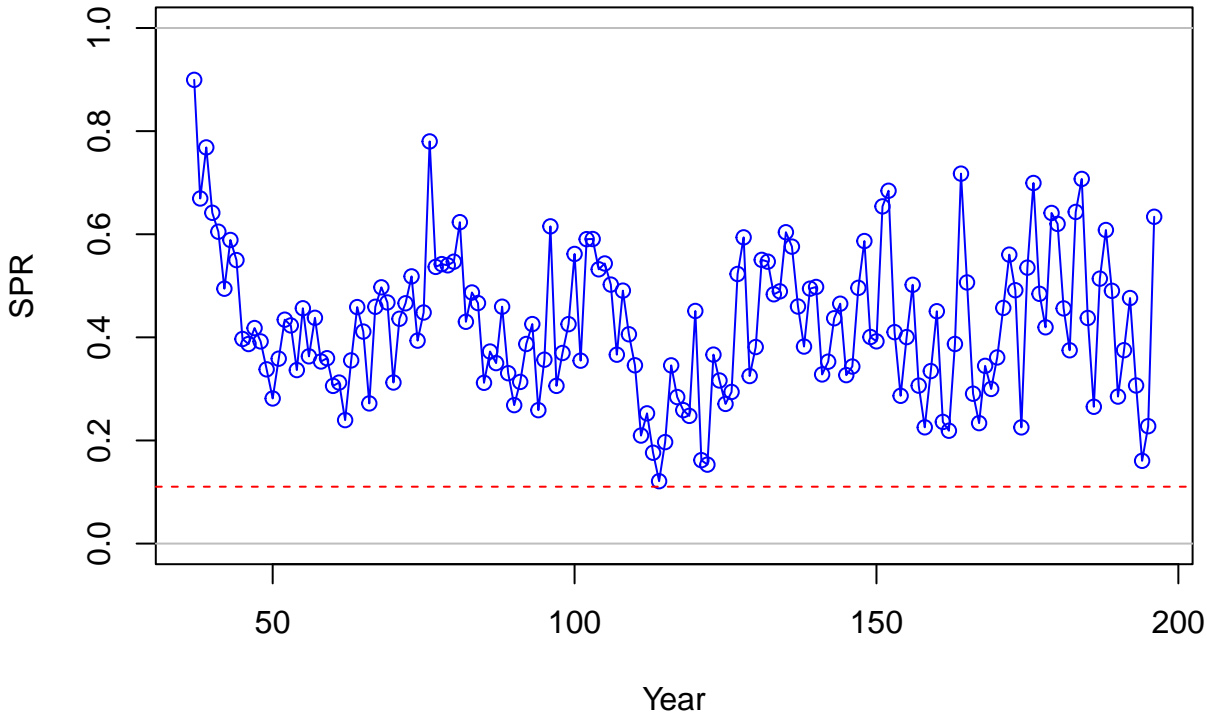
Log recruitment deviation

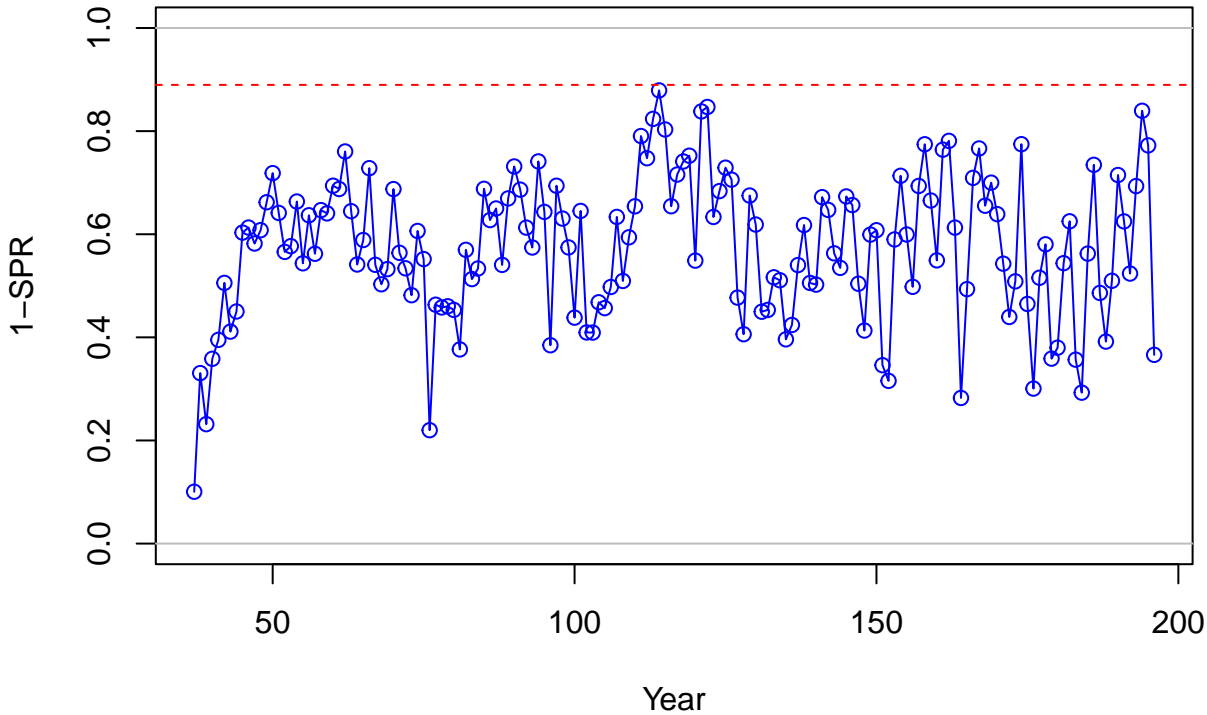


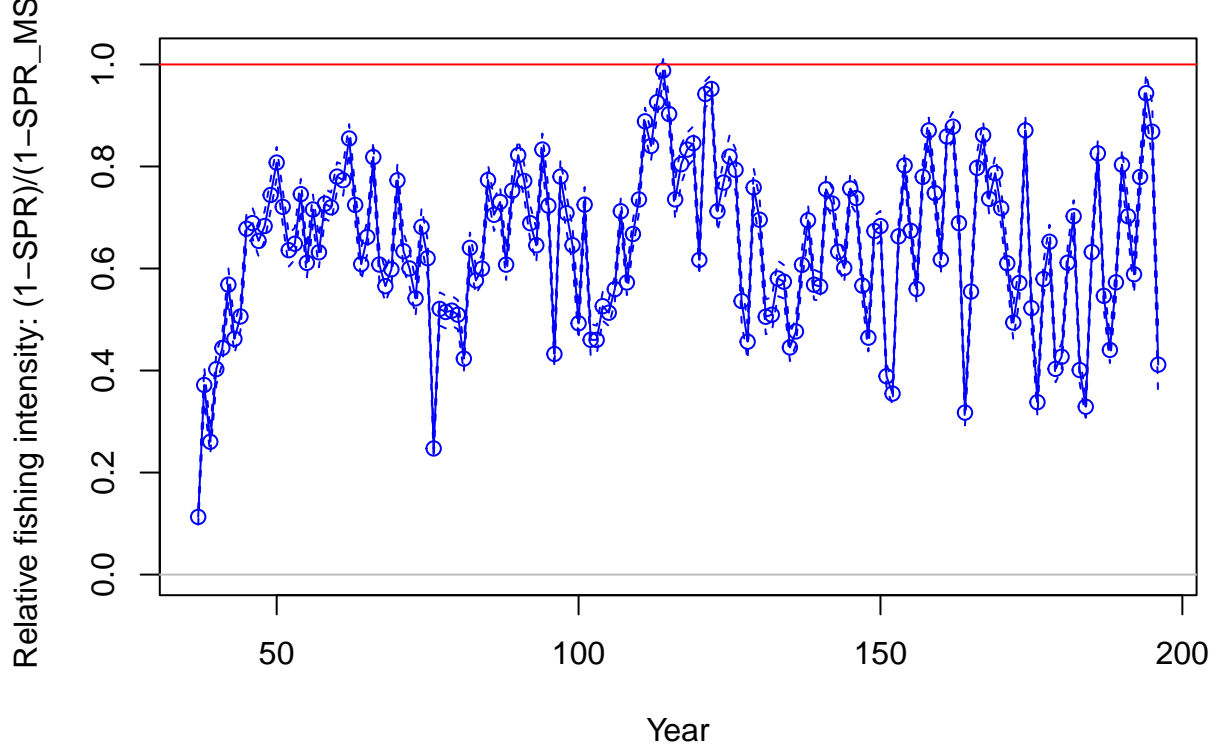




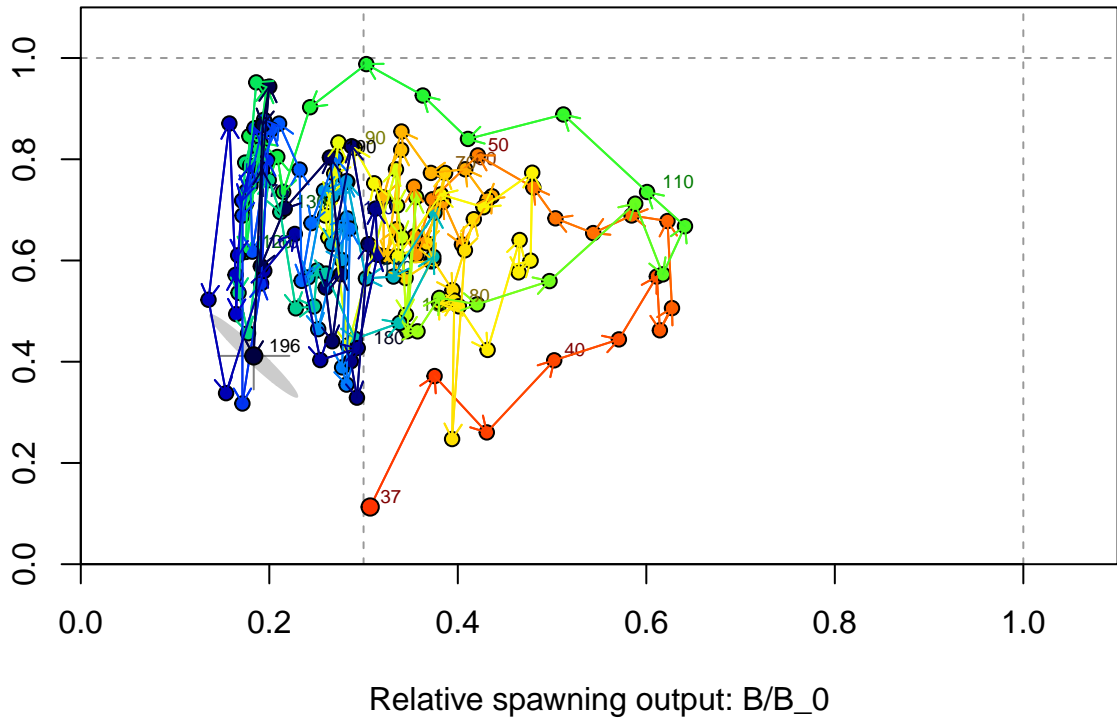




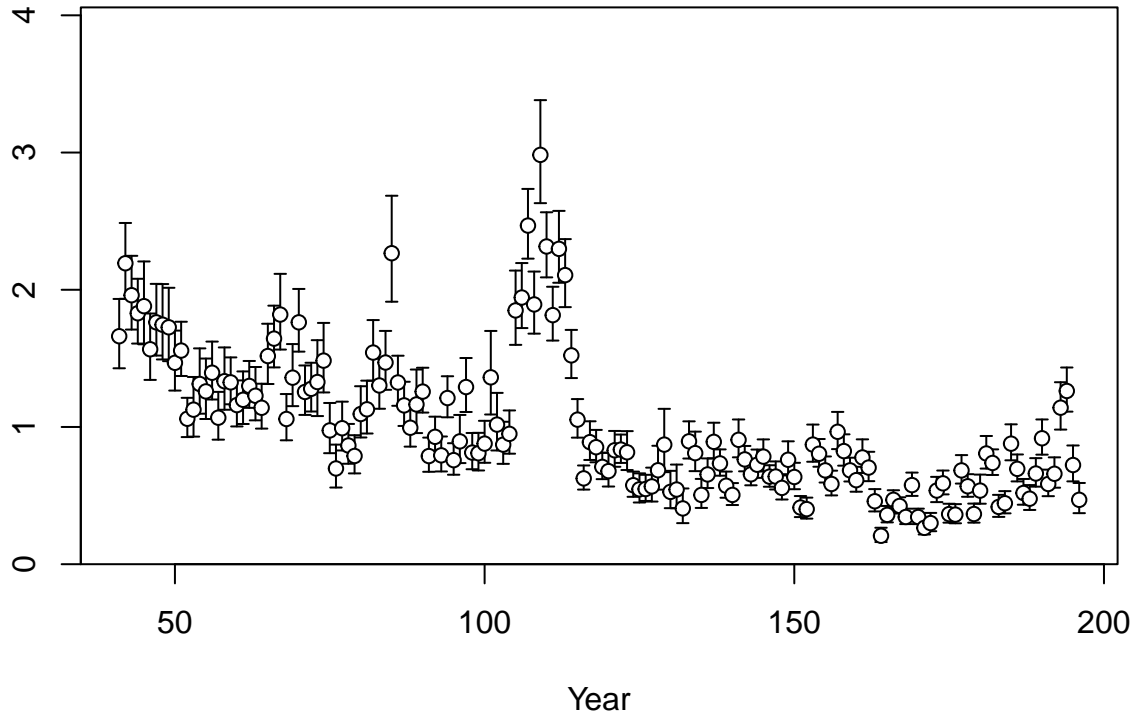




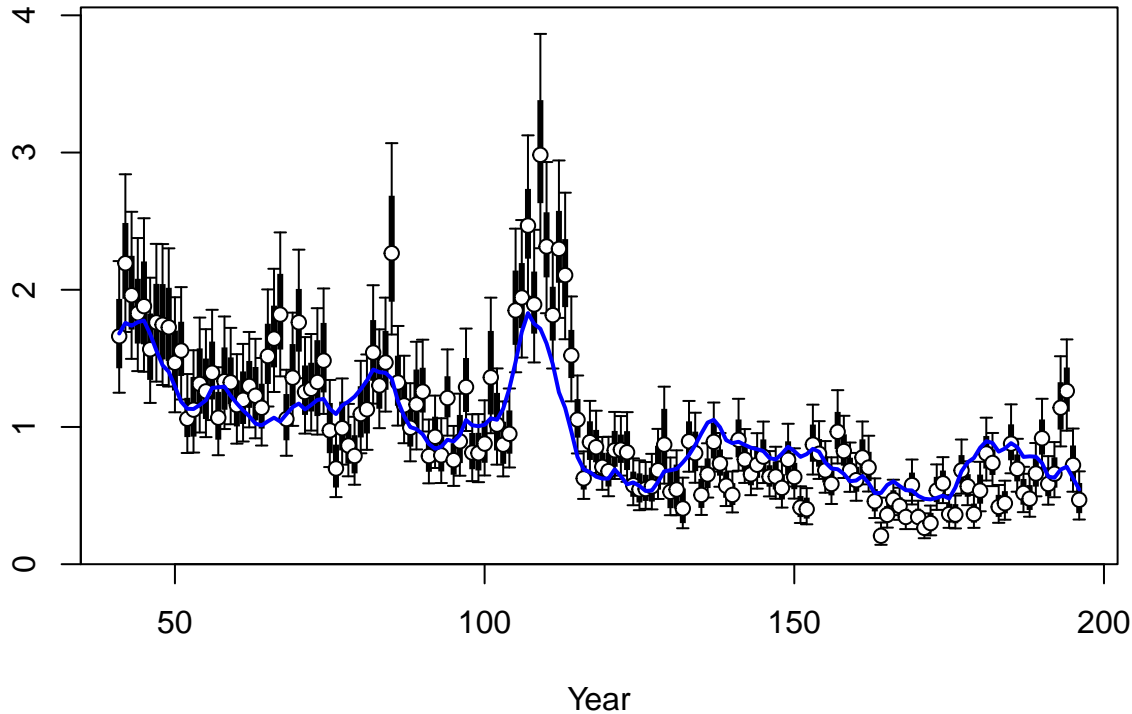
Relative fishing intensity: $(1-SPR)/(1-SPR_{MS})$

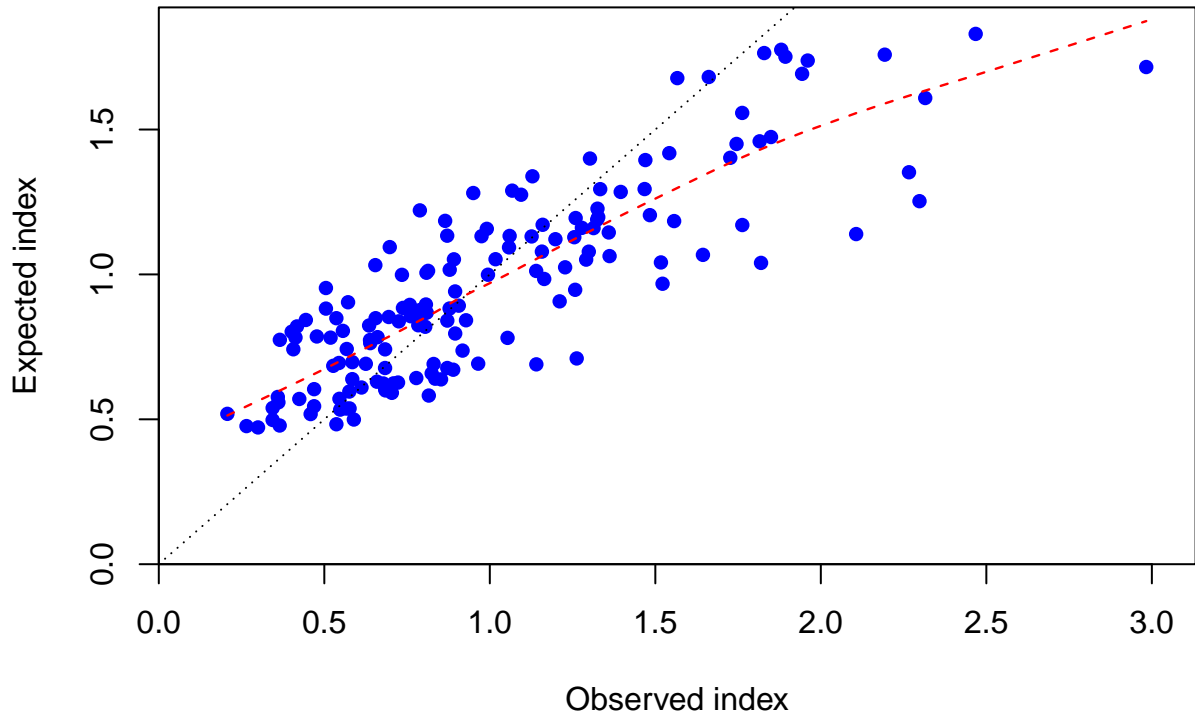


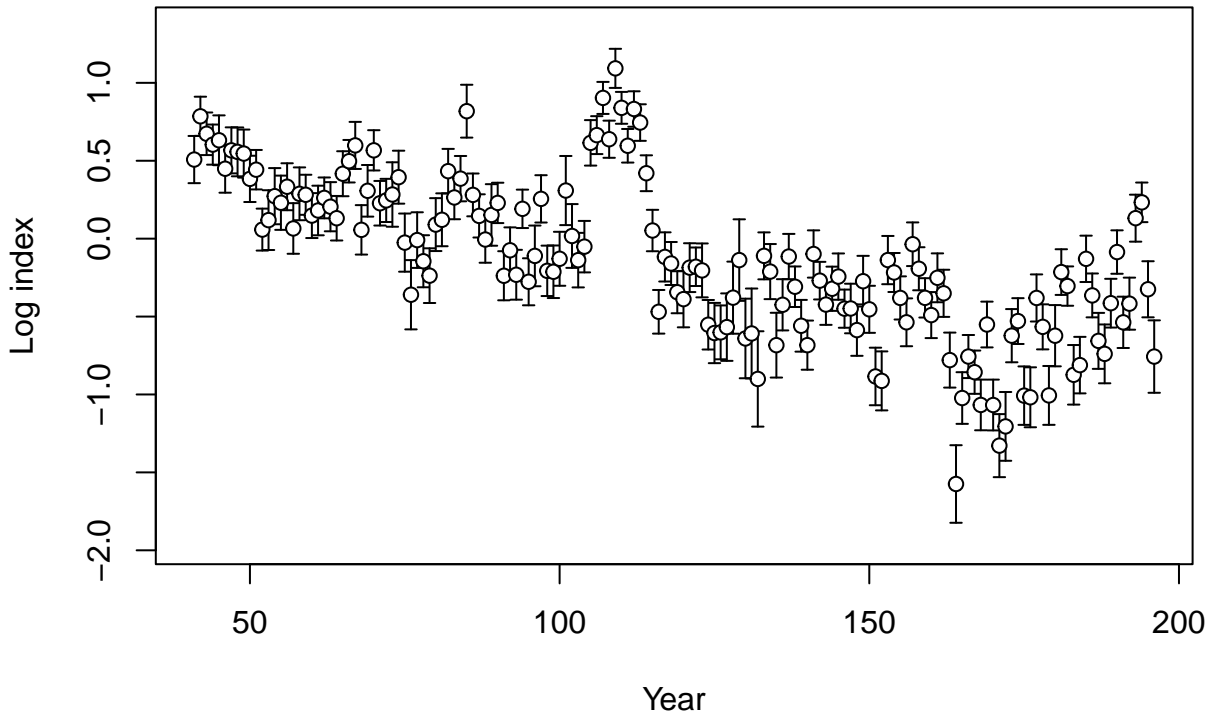
Index

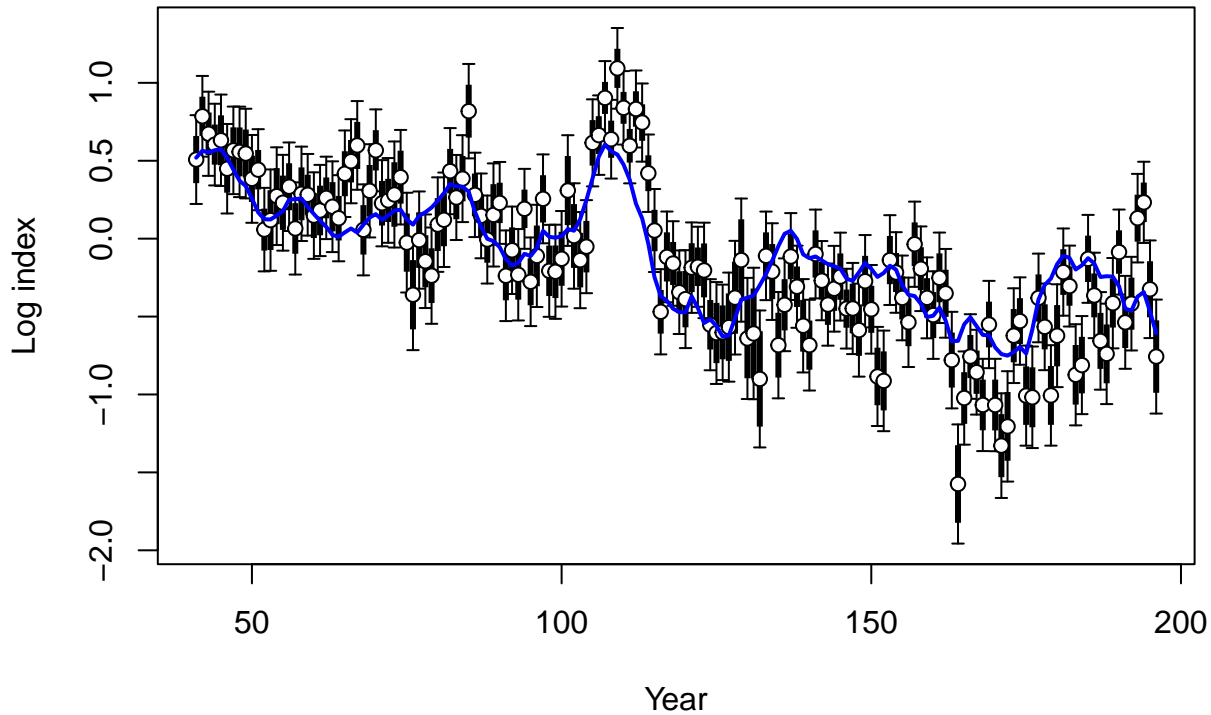


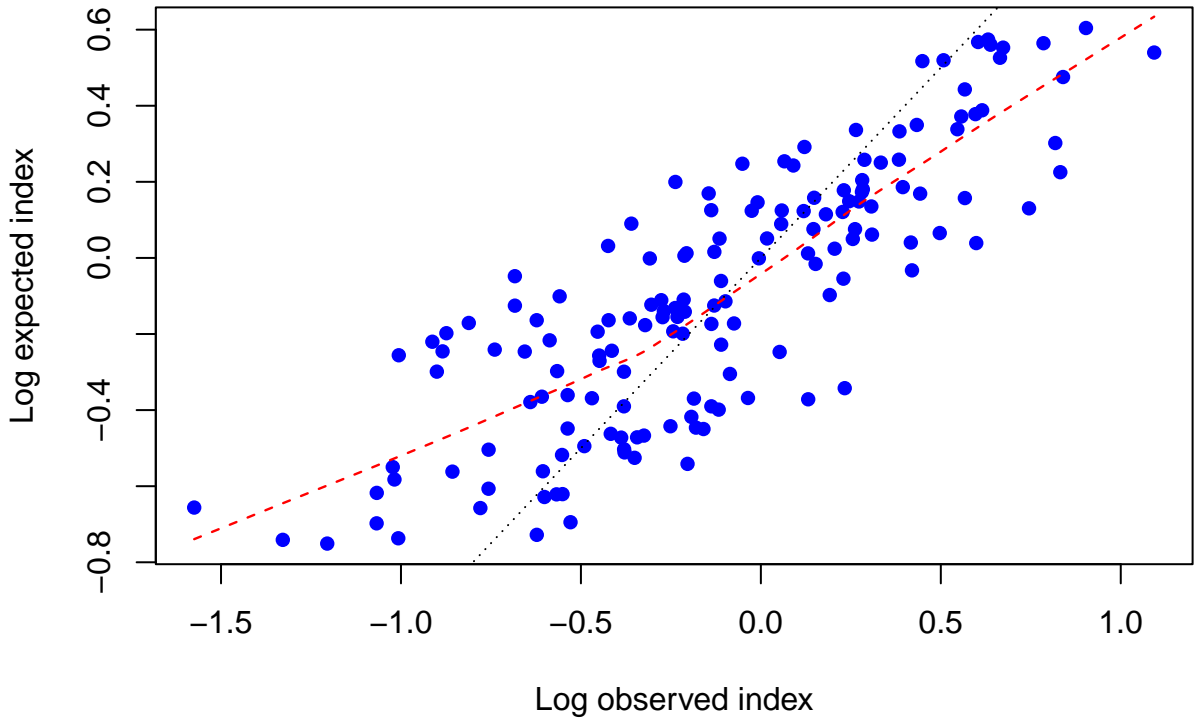
Index

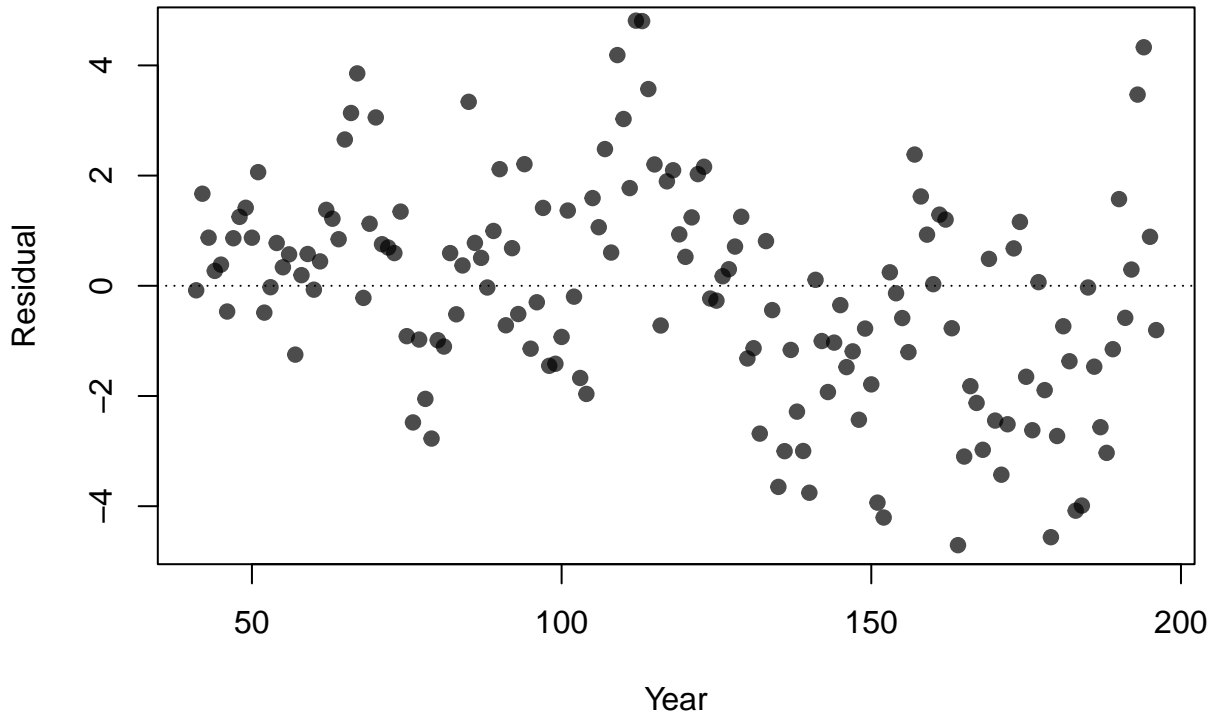


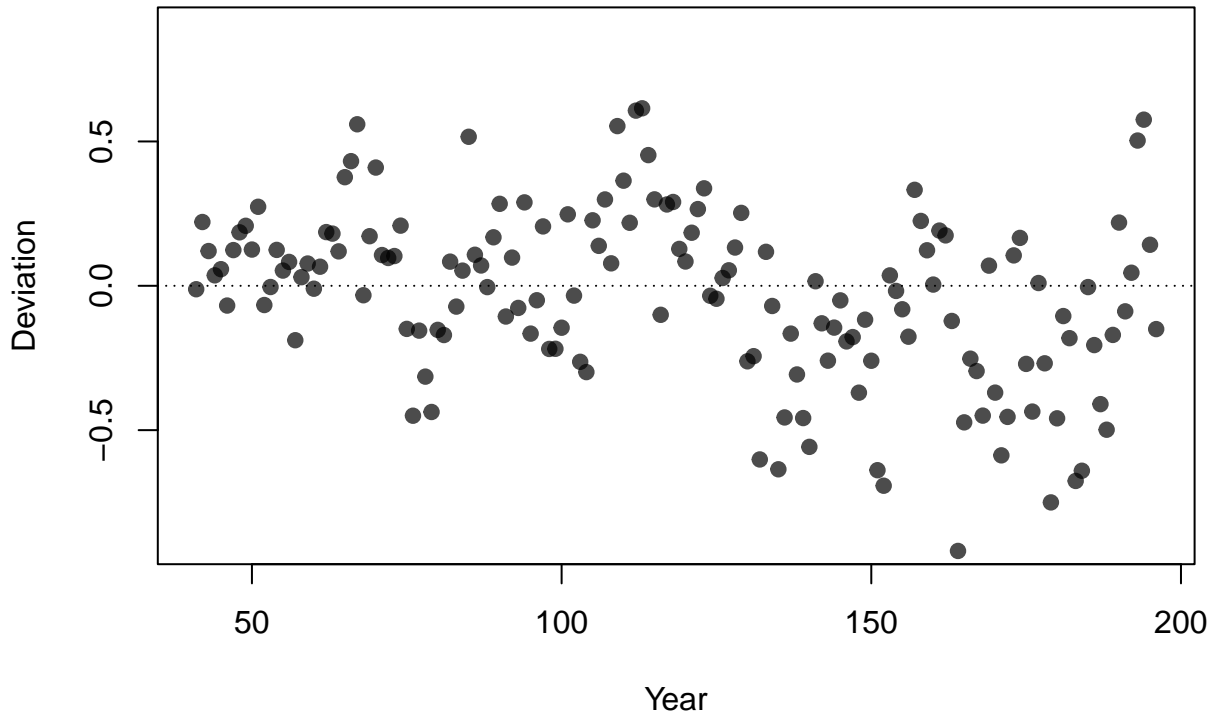


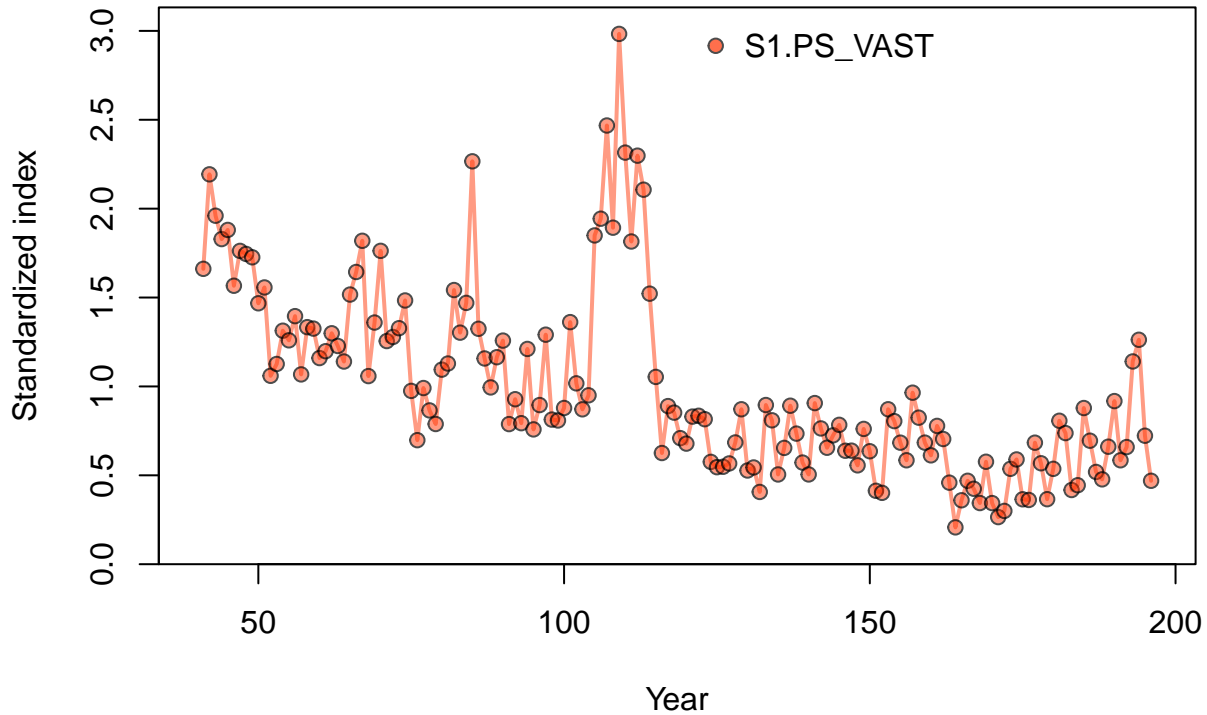


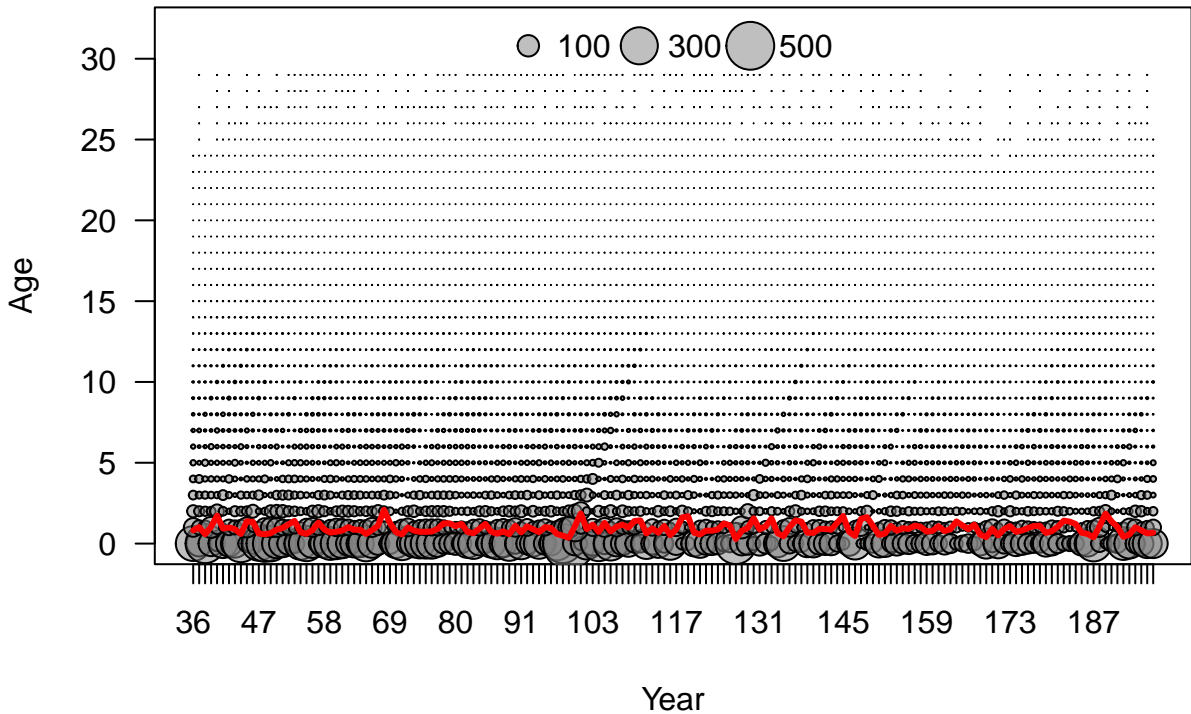


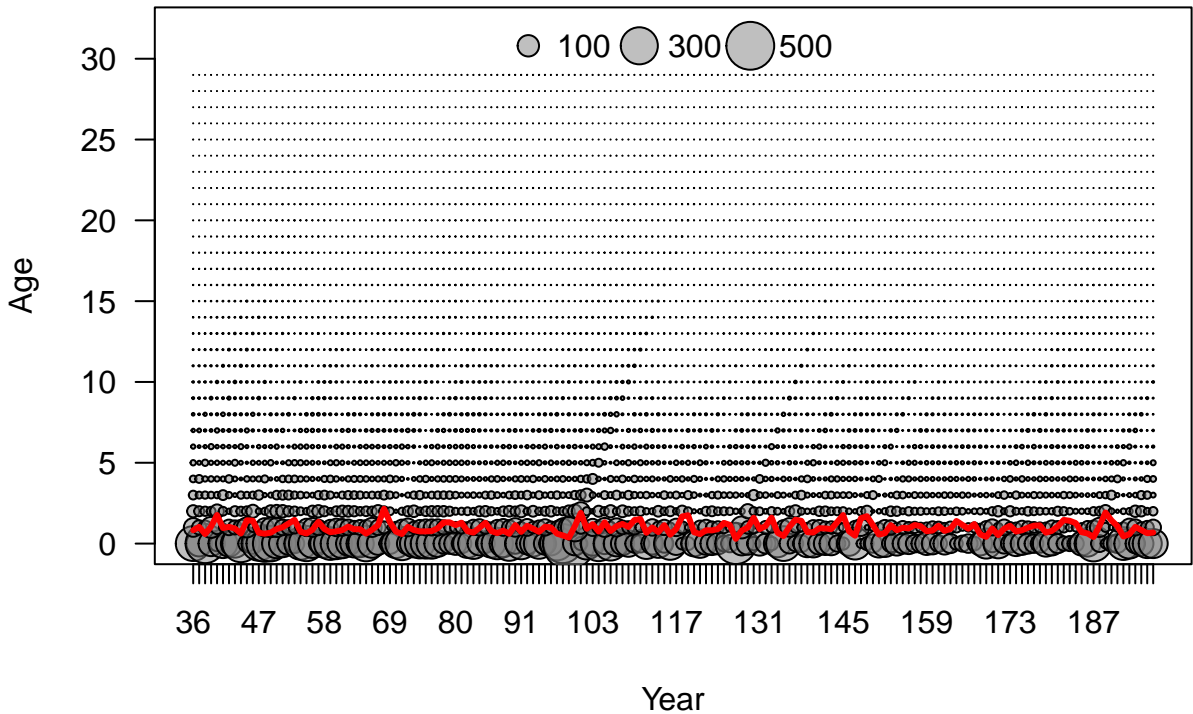


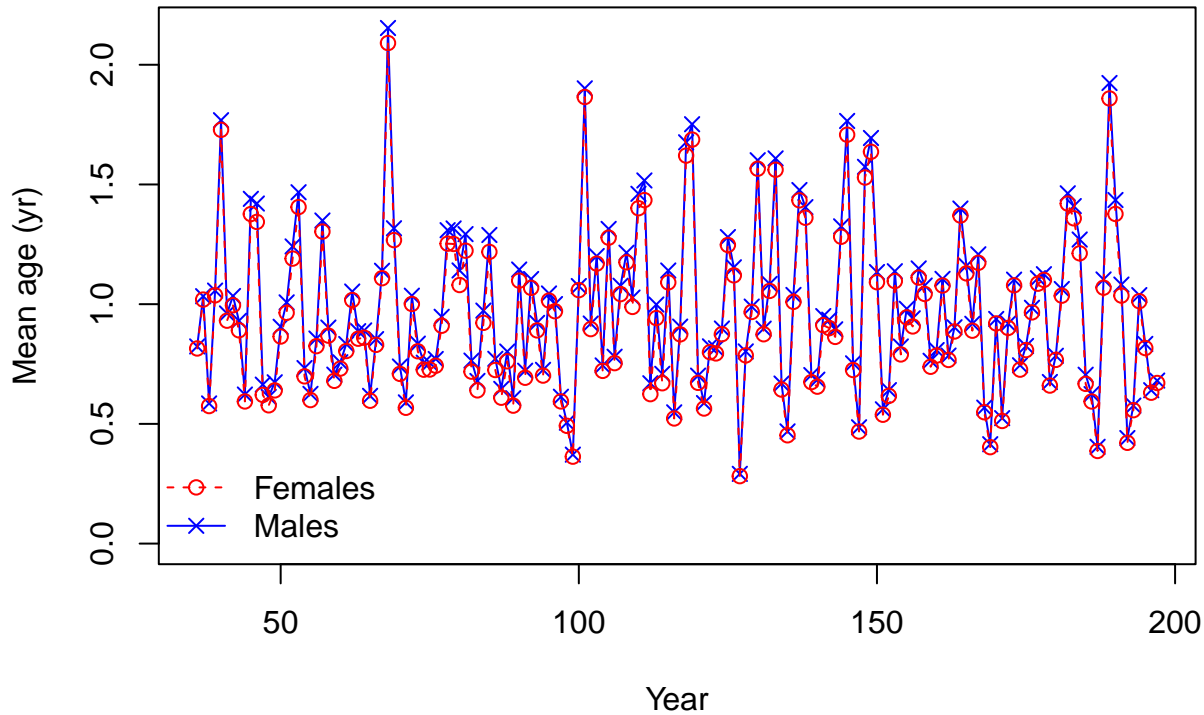


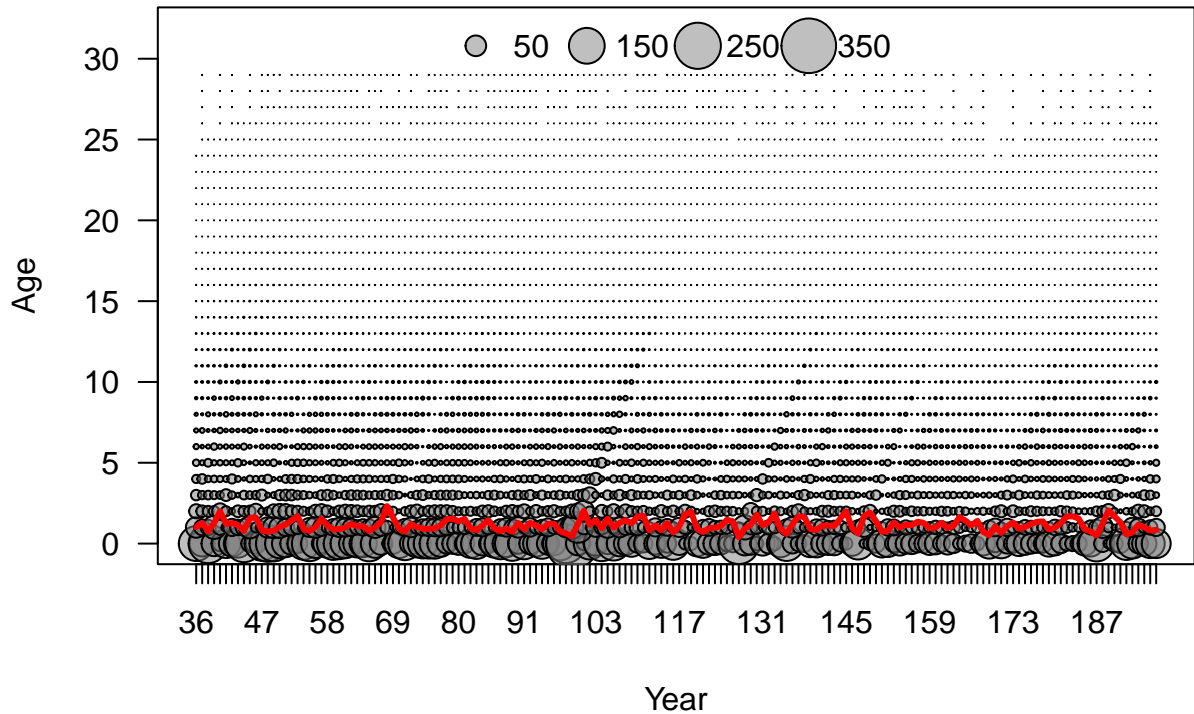


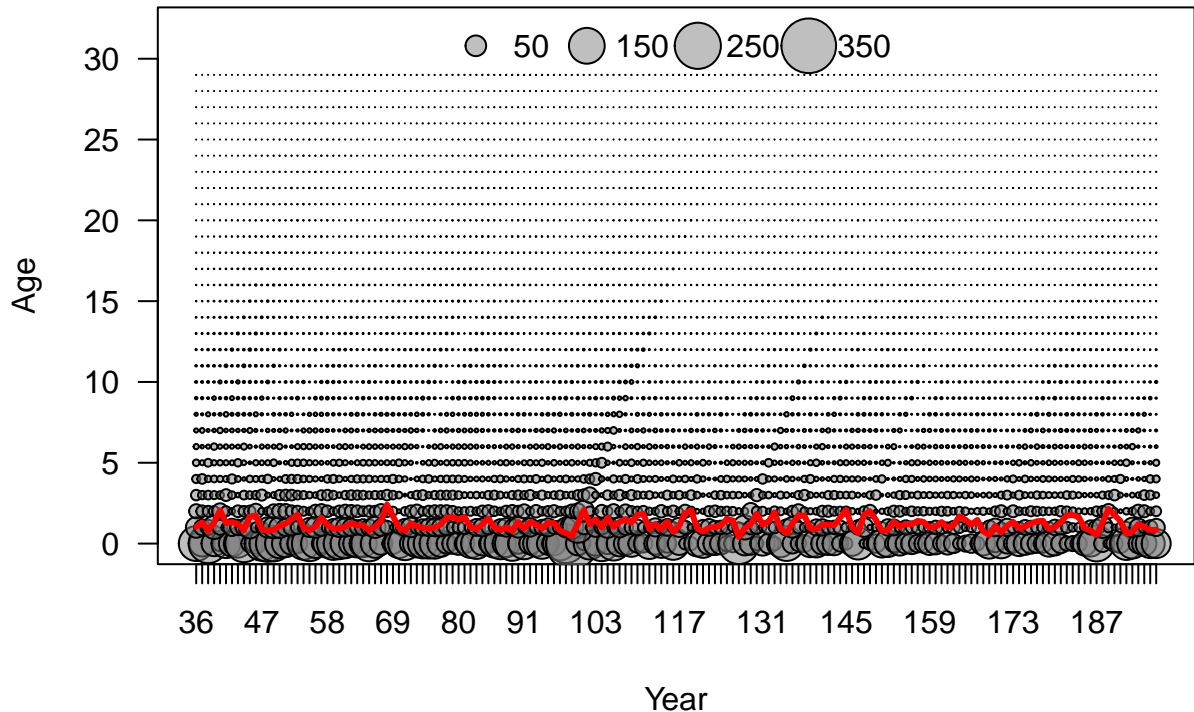


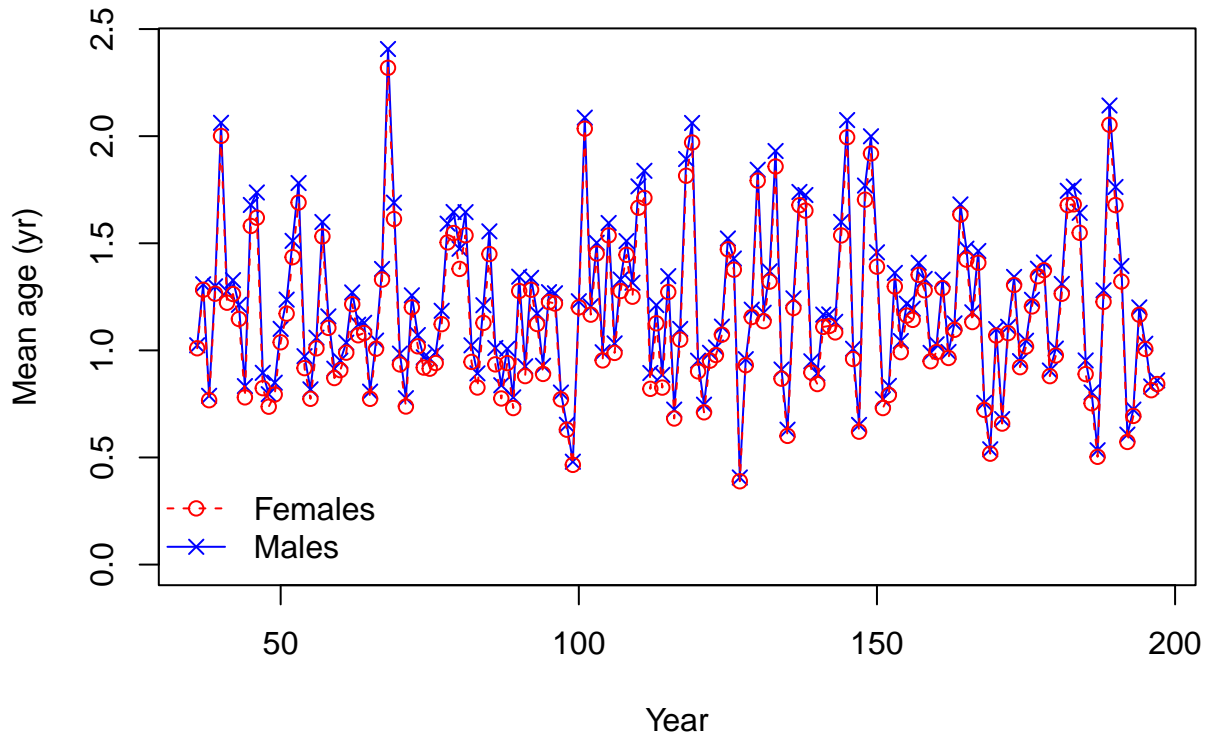


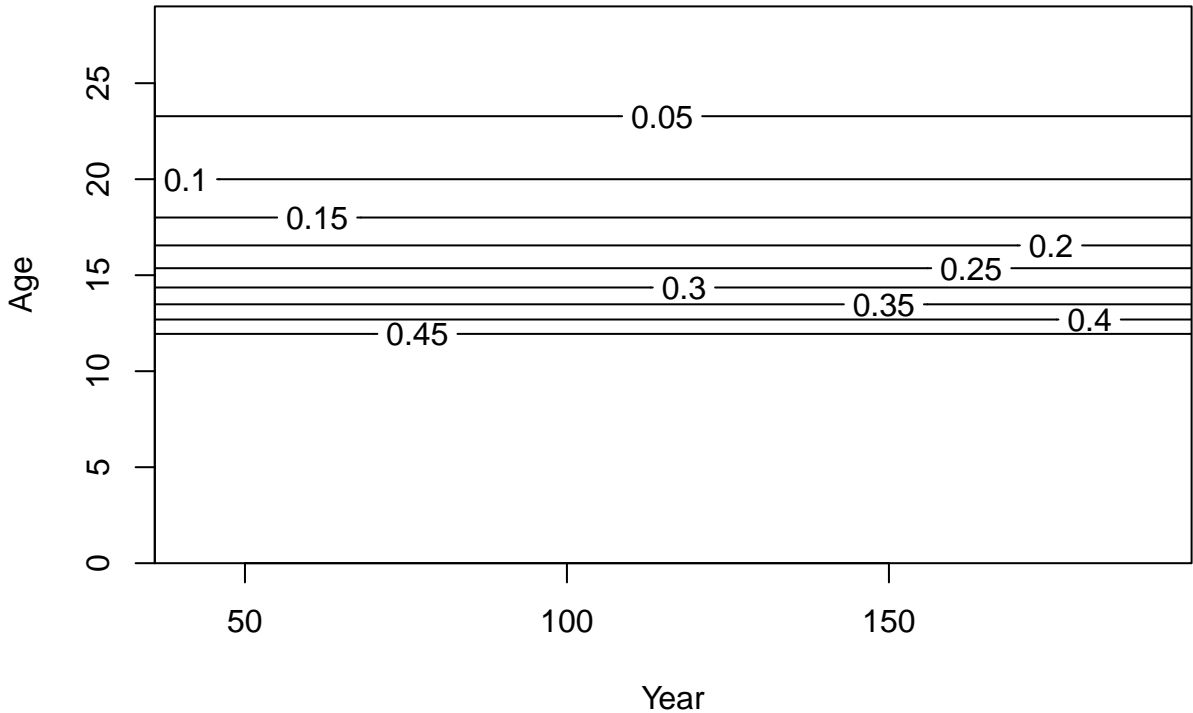


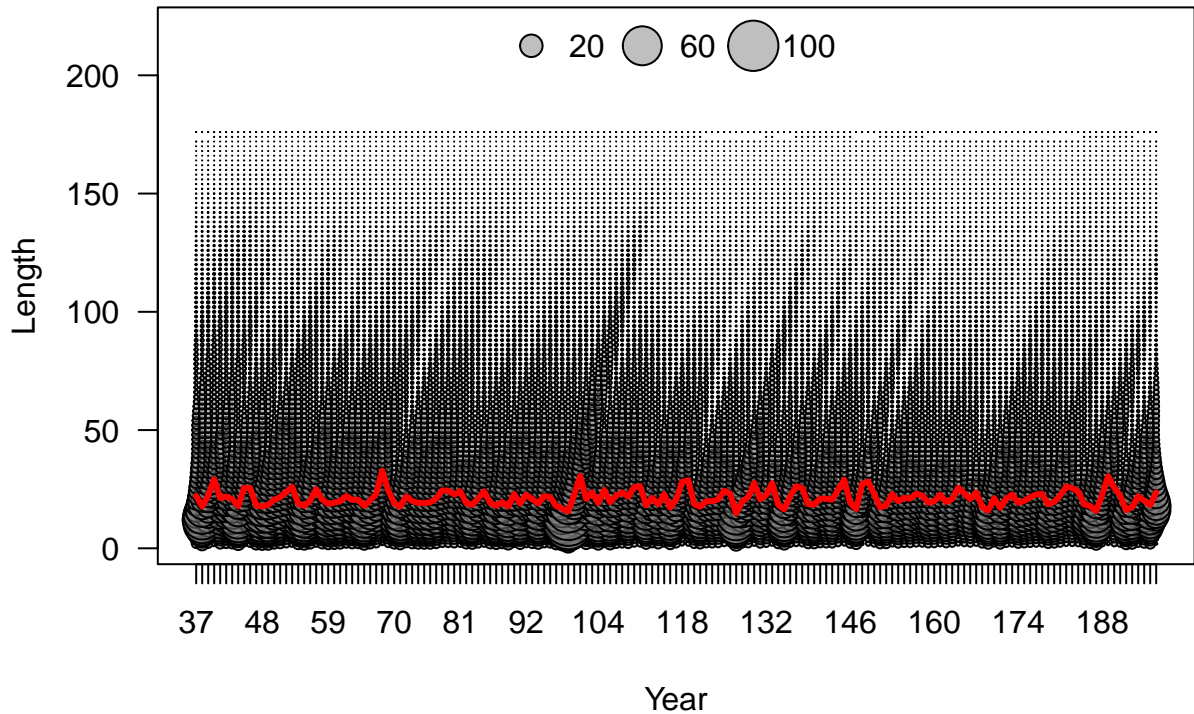


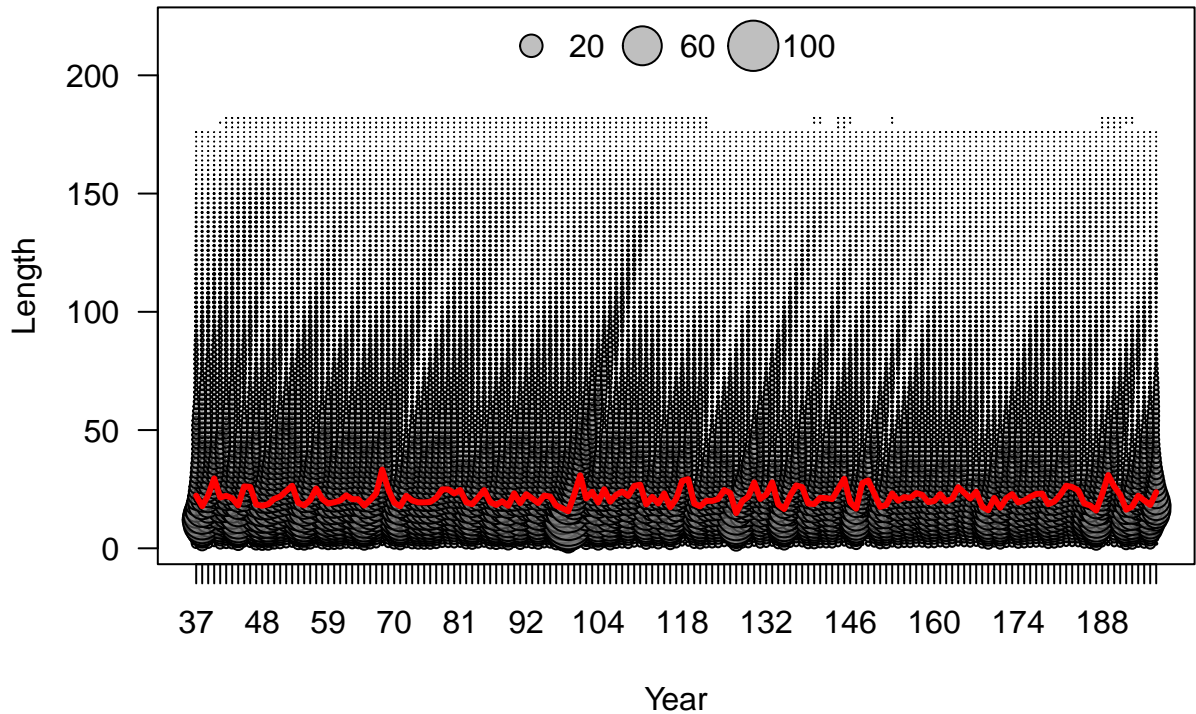


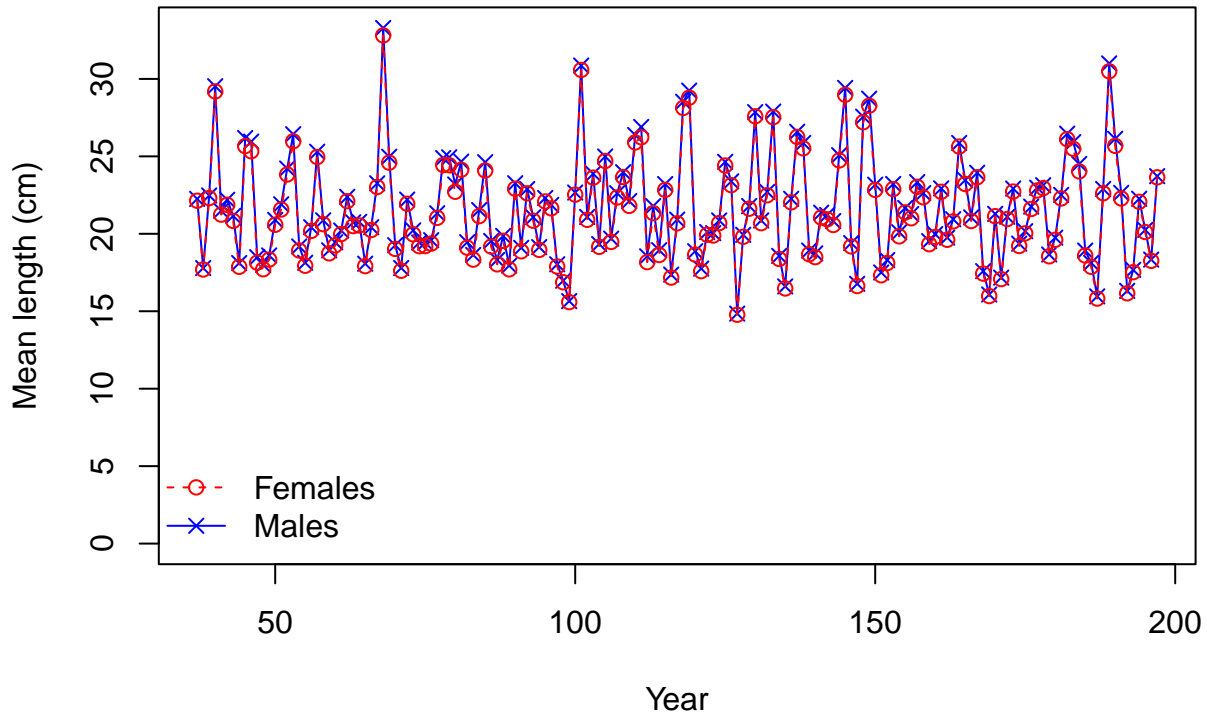


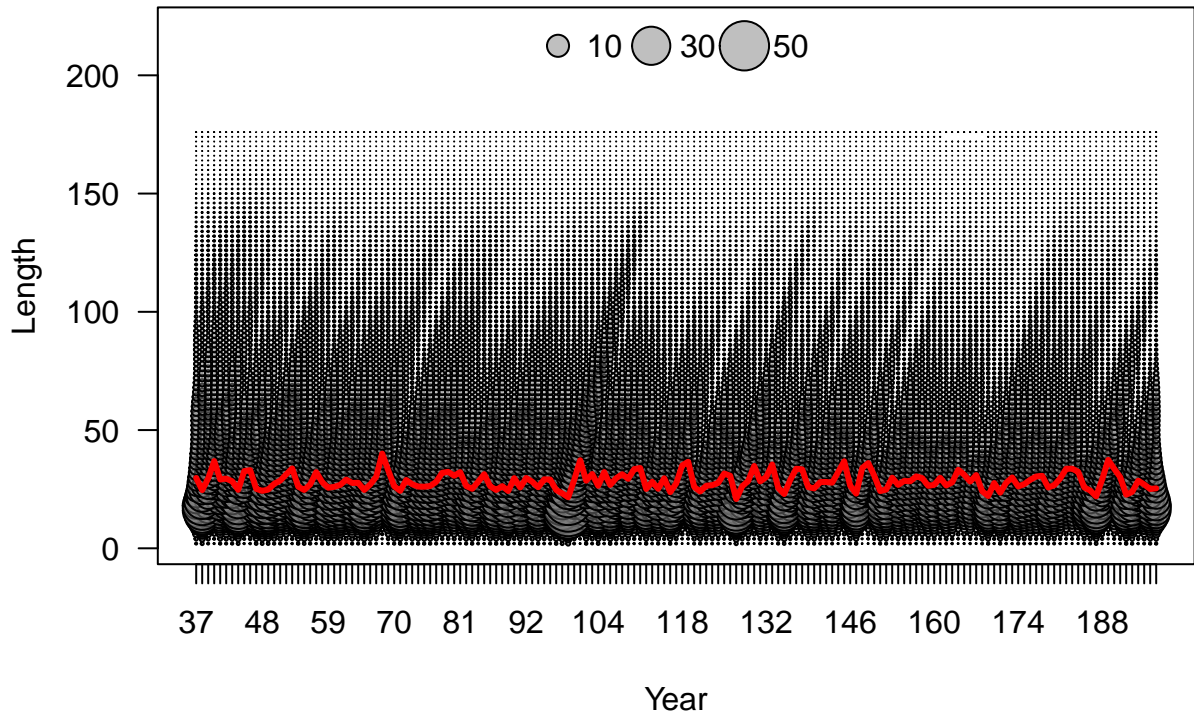


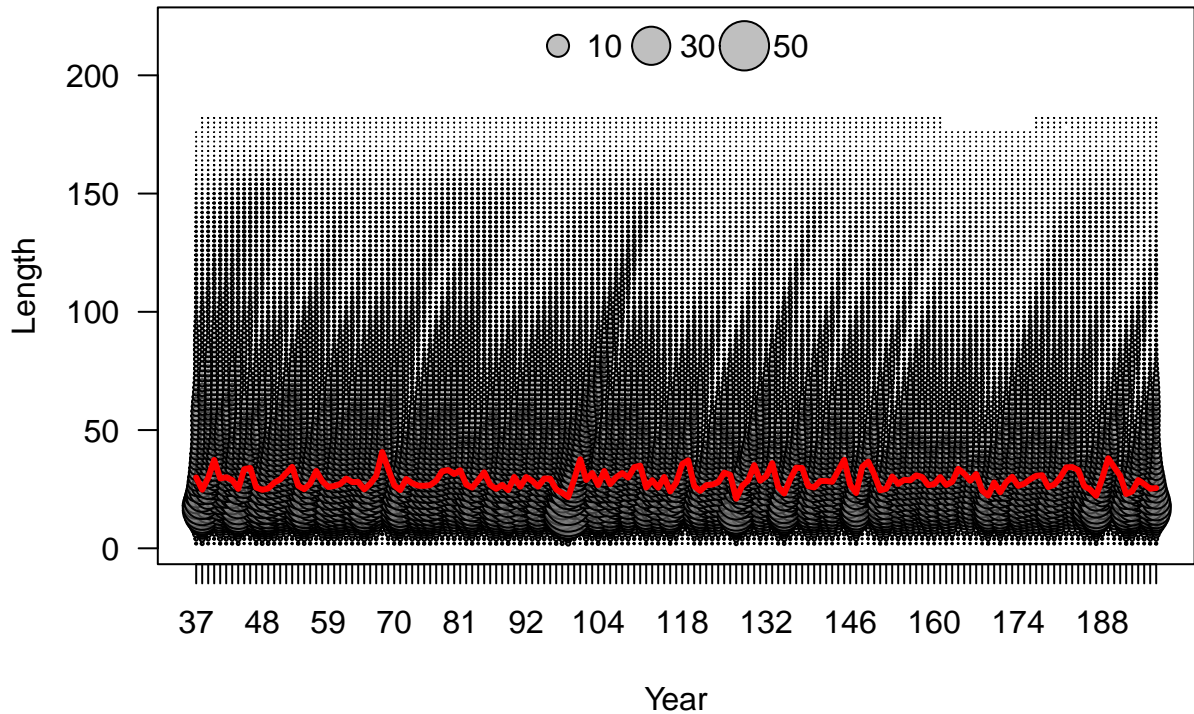


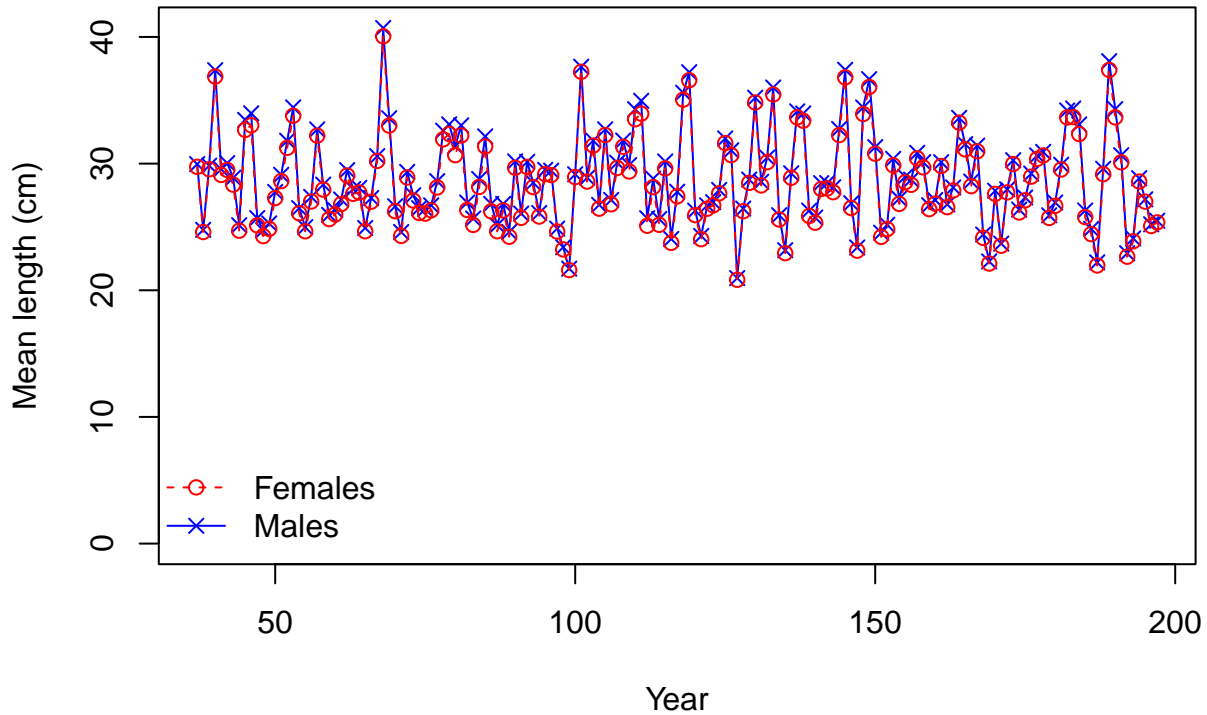


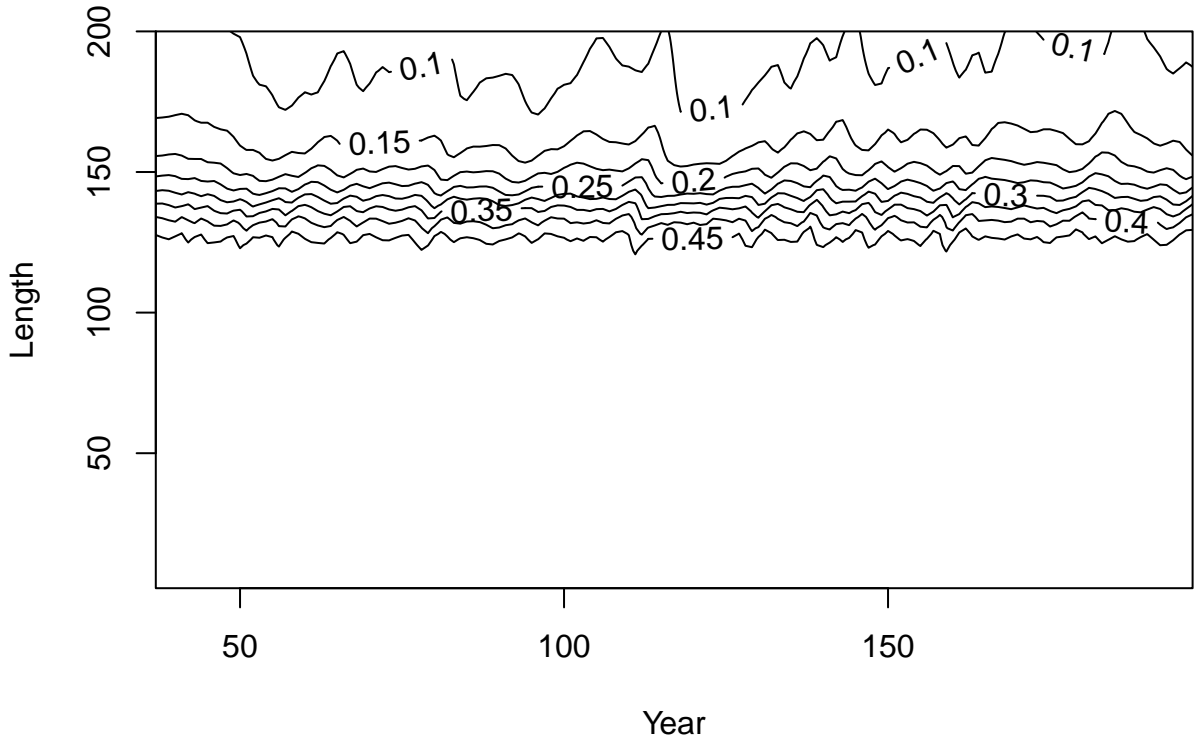


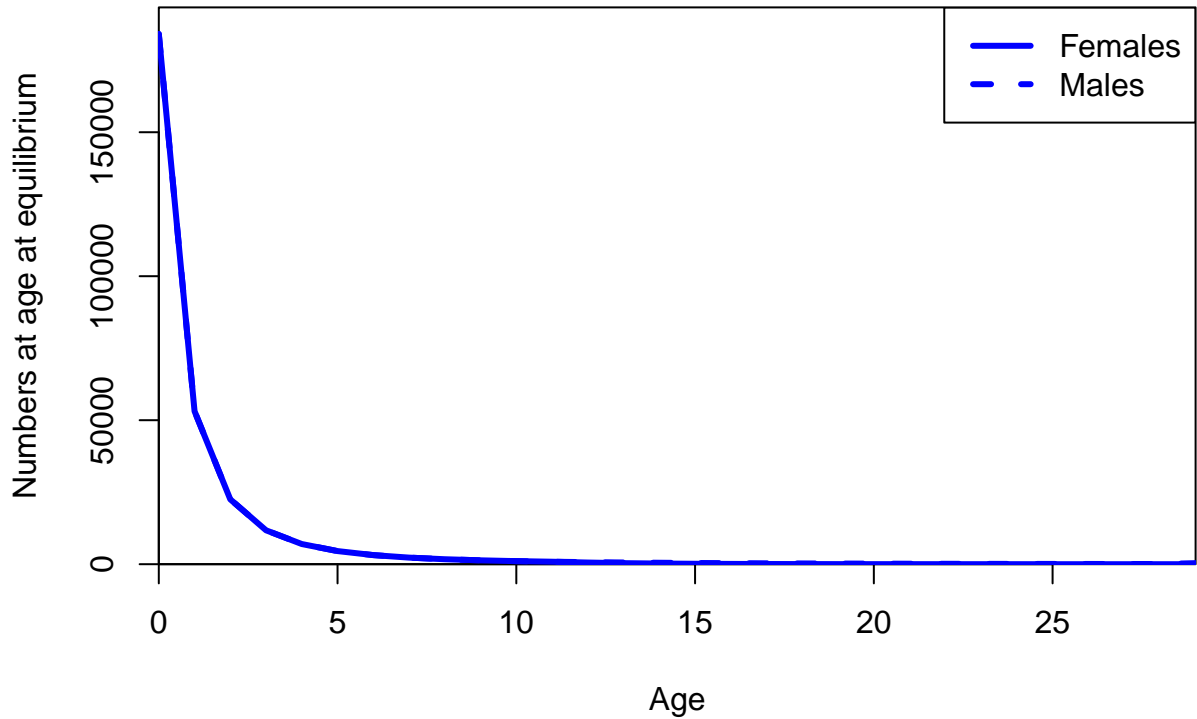


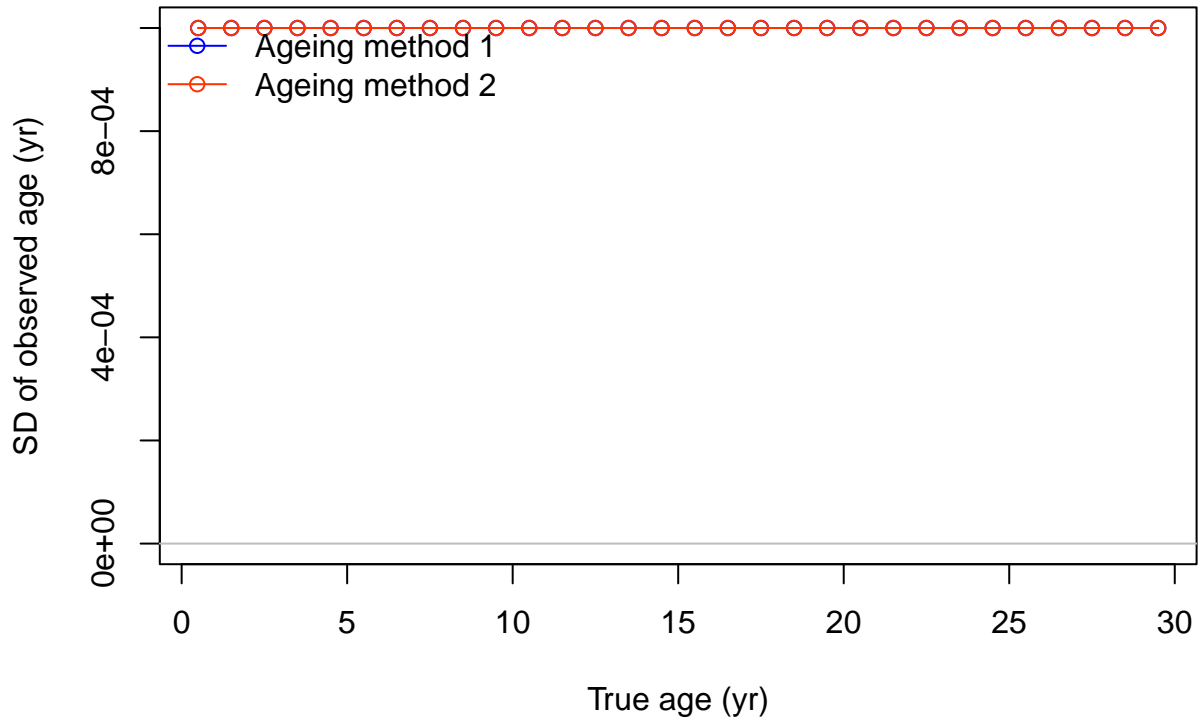


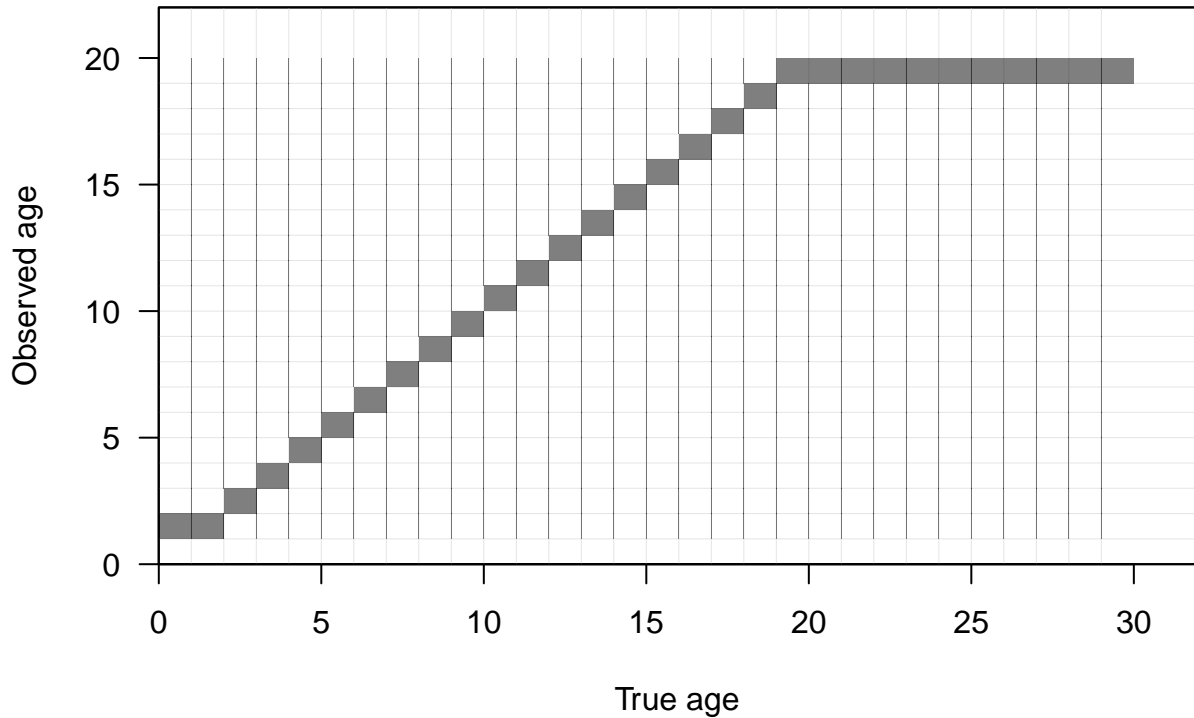


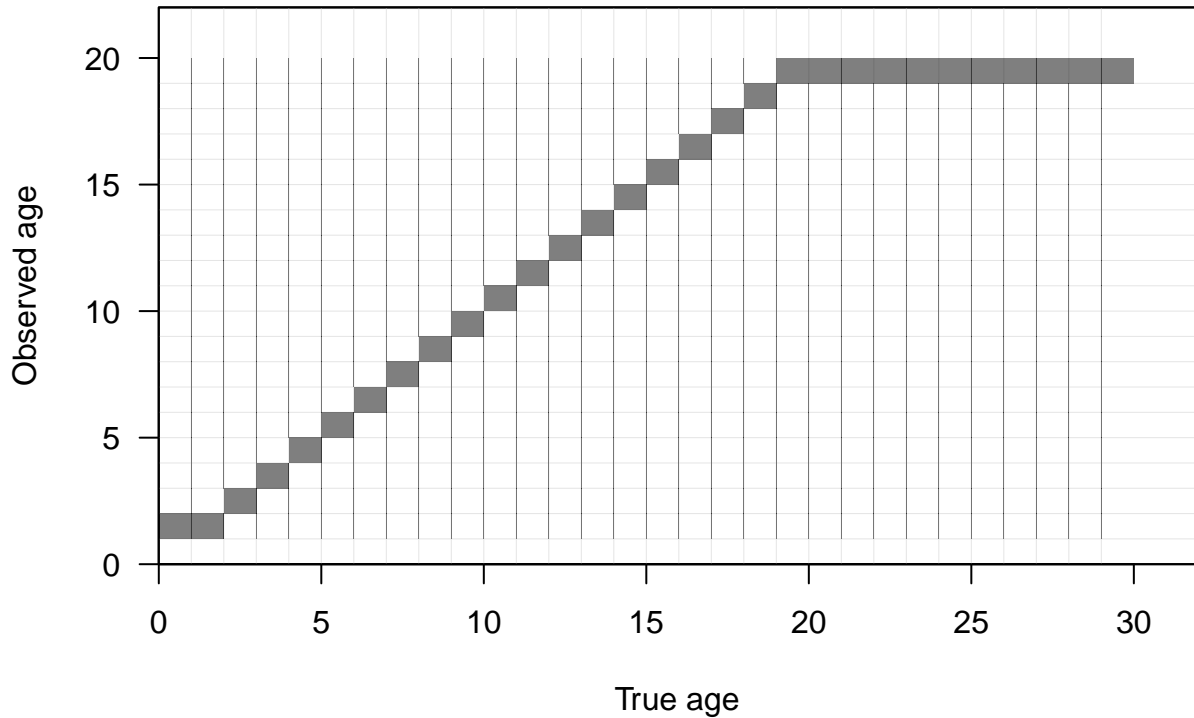




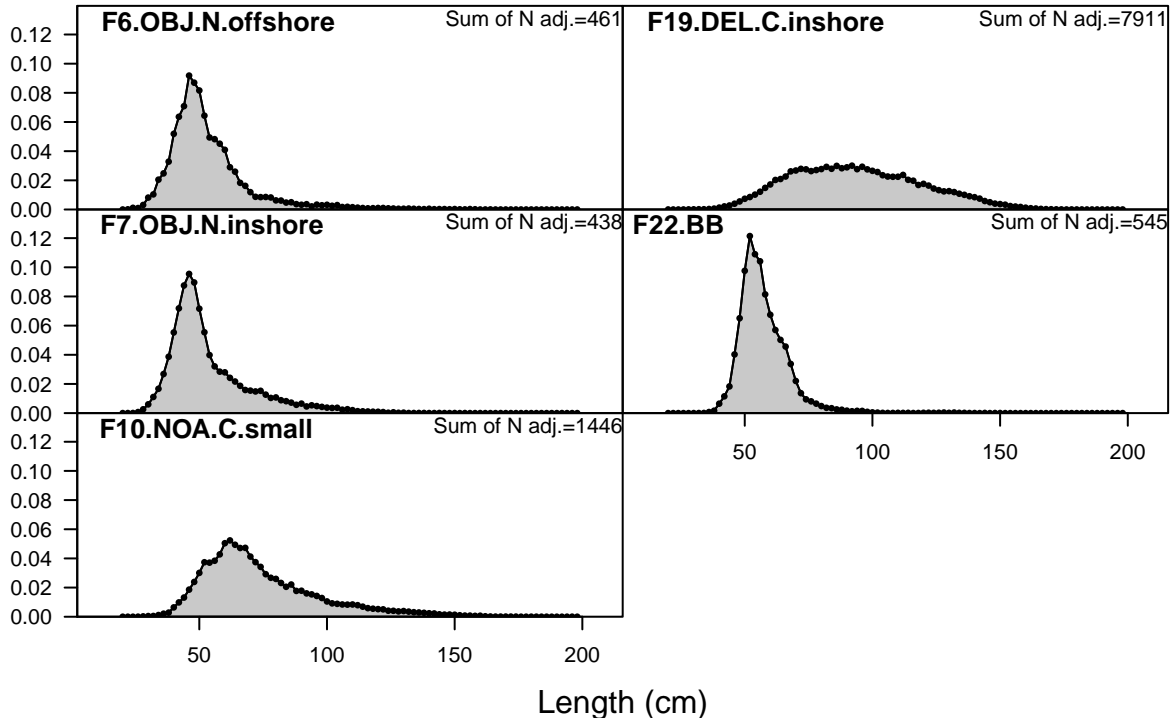


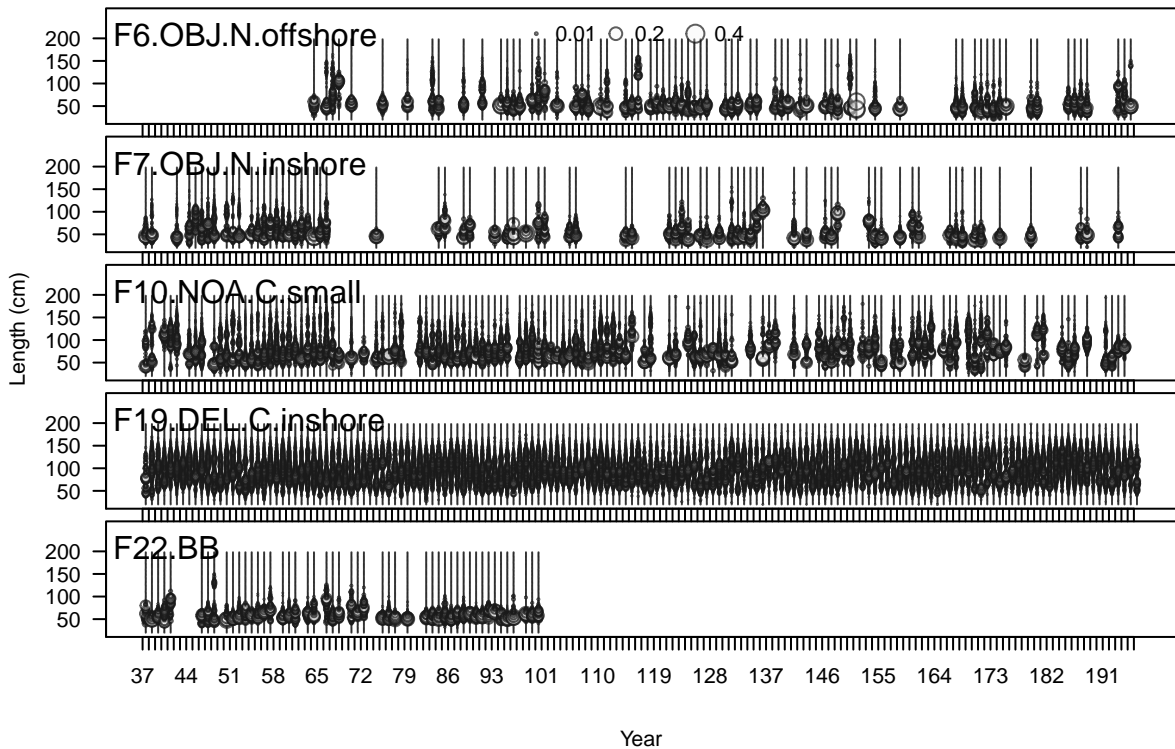




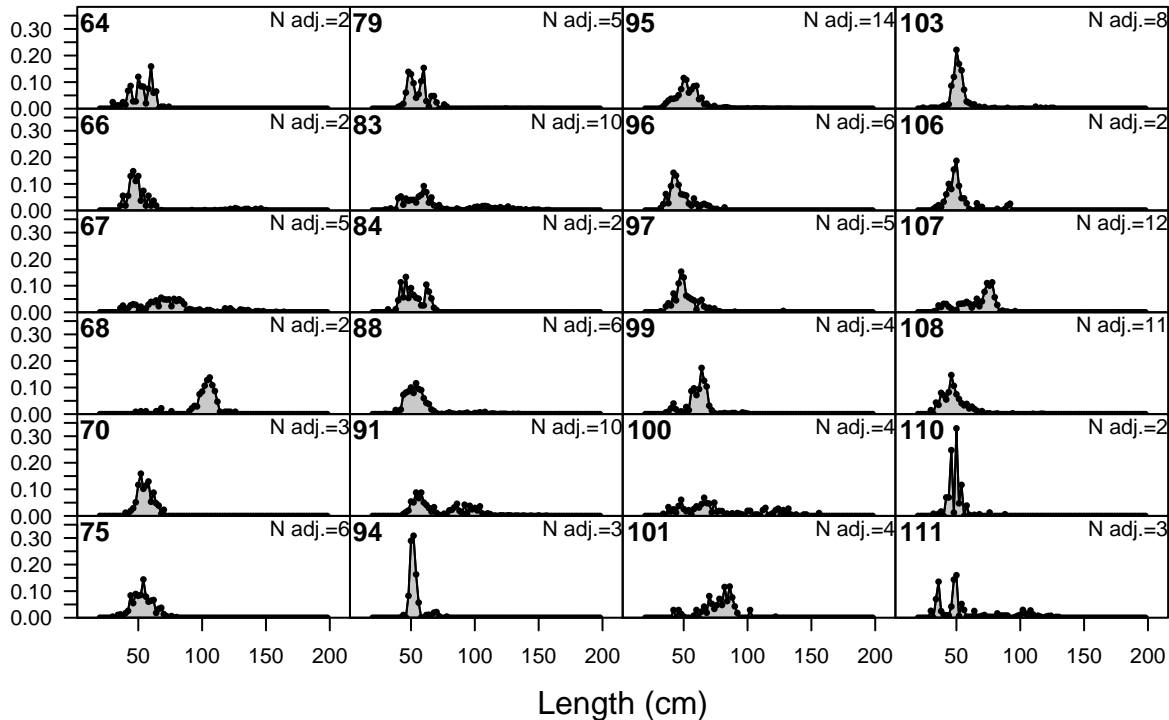


Proportion

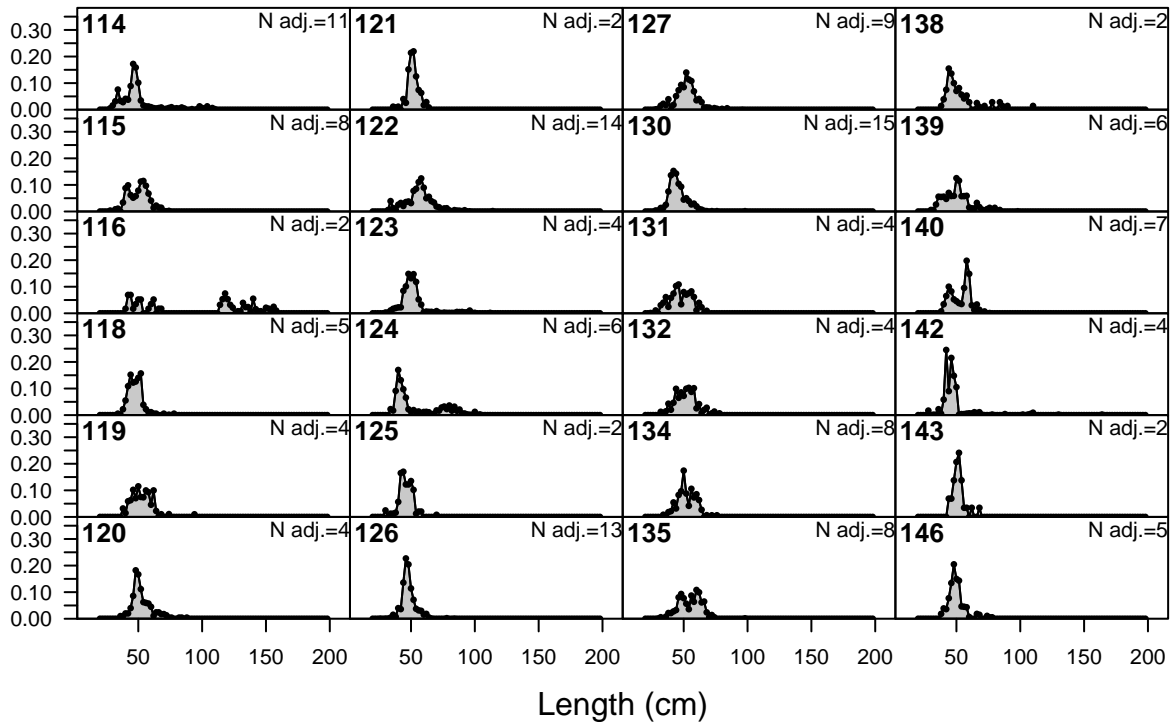




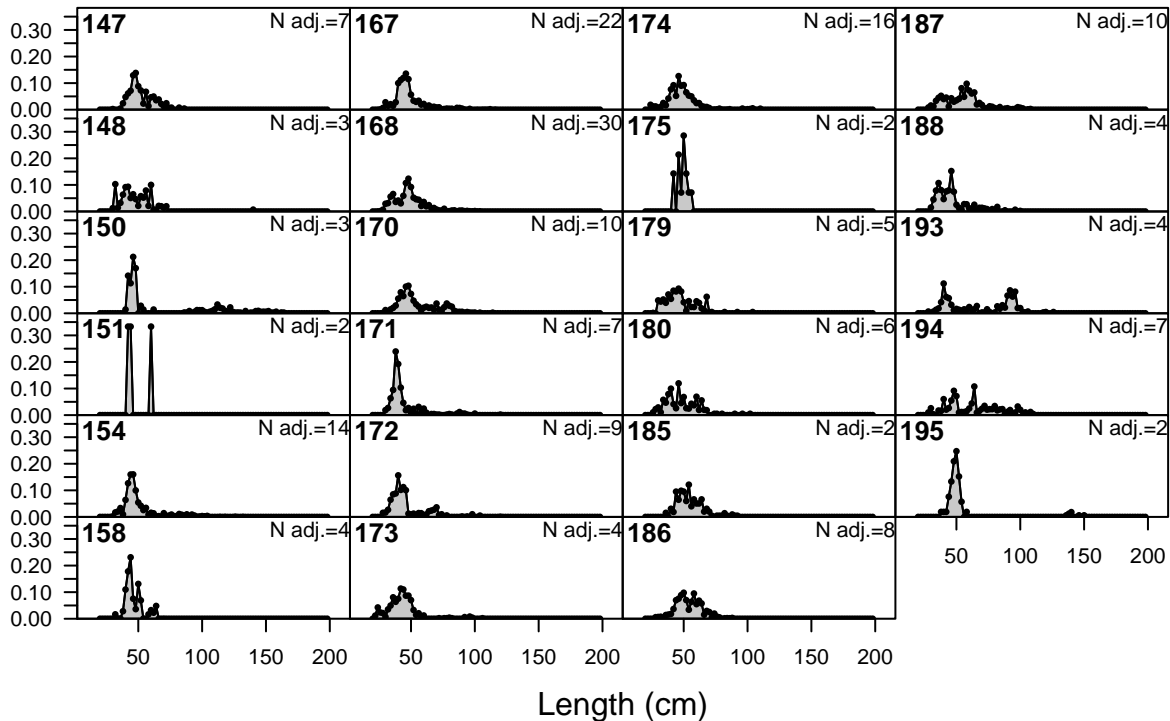
Proportion

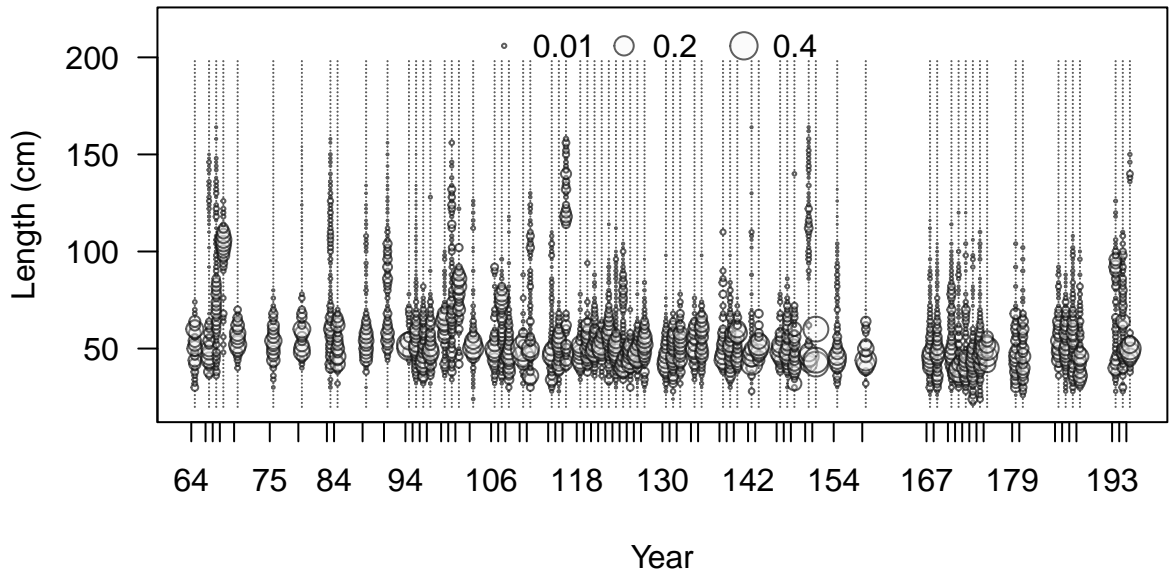


Proportion

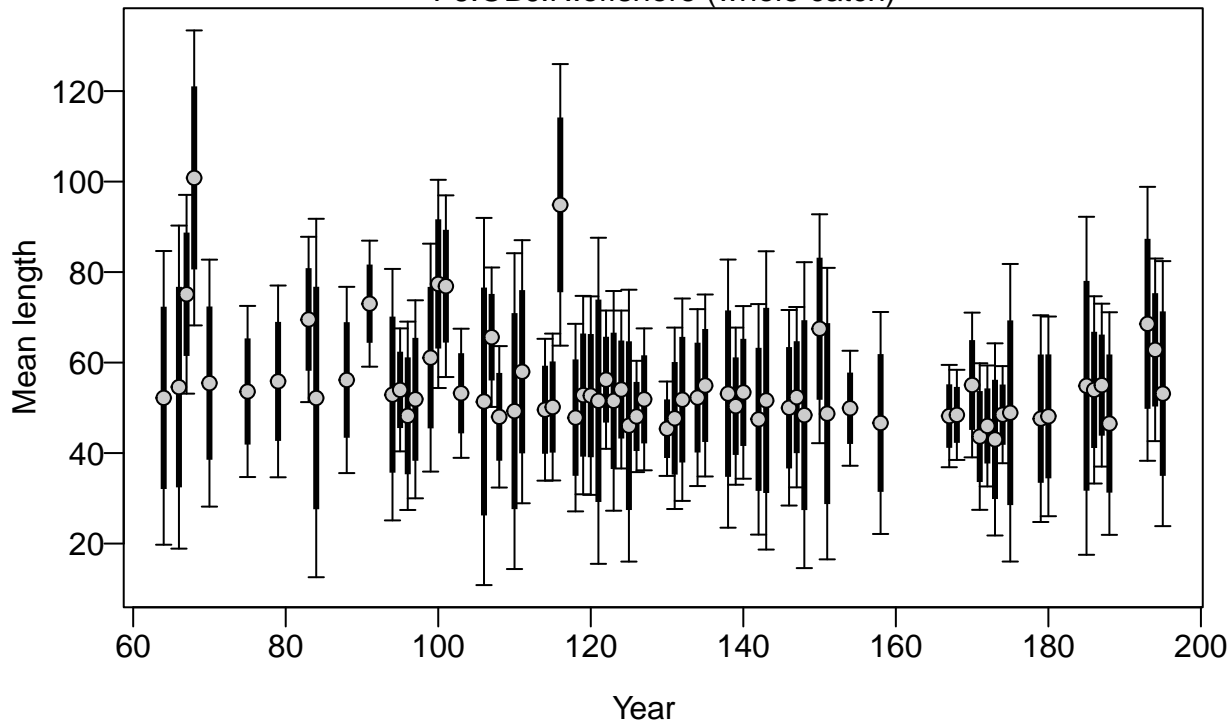


Proportion

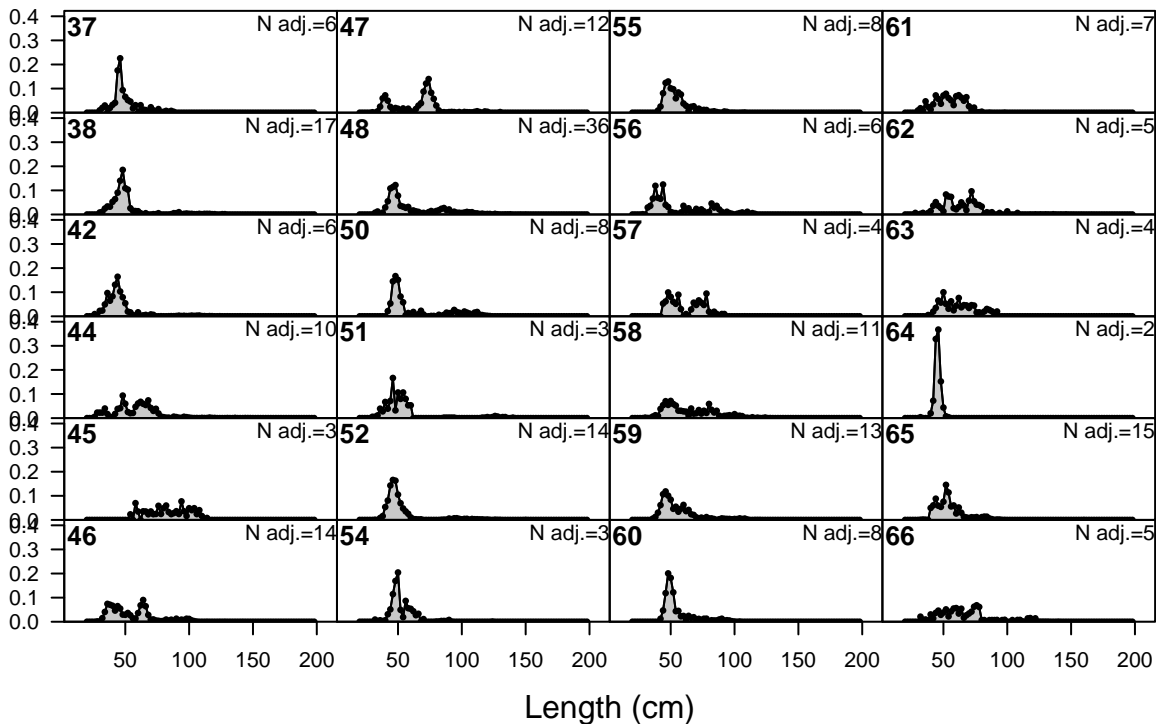




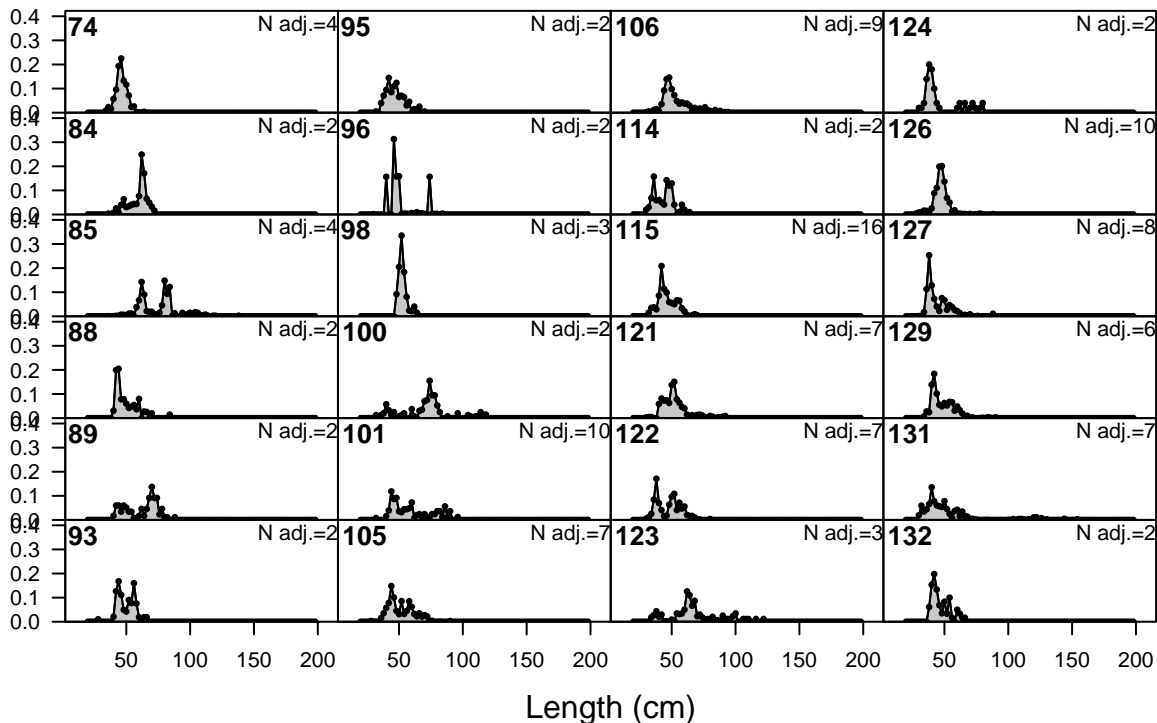
F6.OBJ.N.offshore (whole catch)



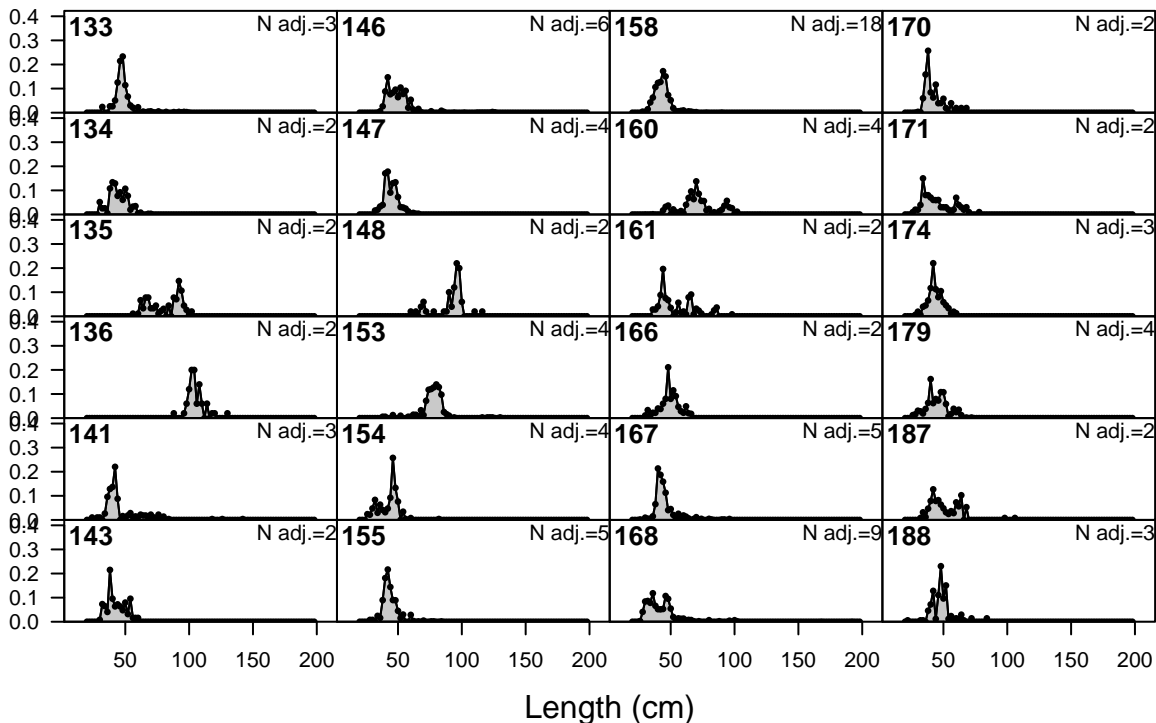
Proportion

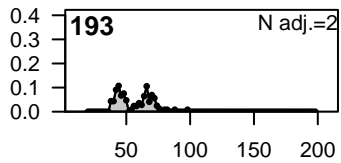


Proportion



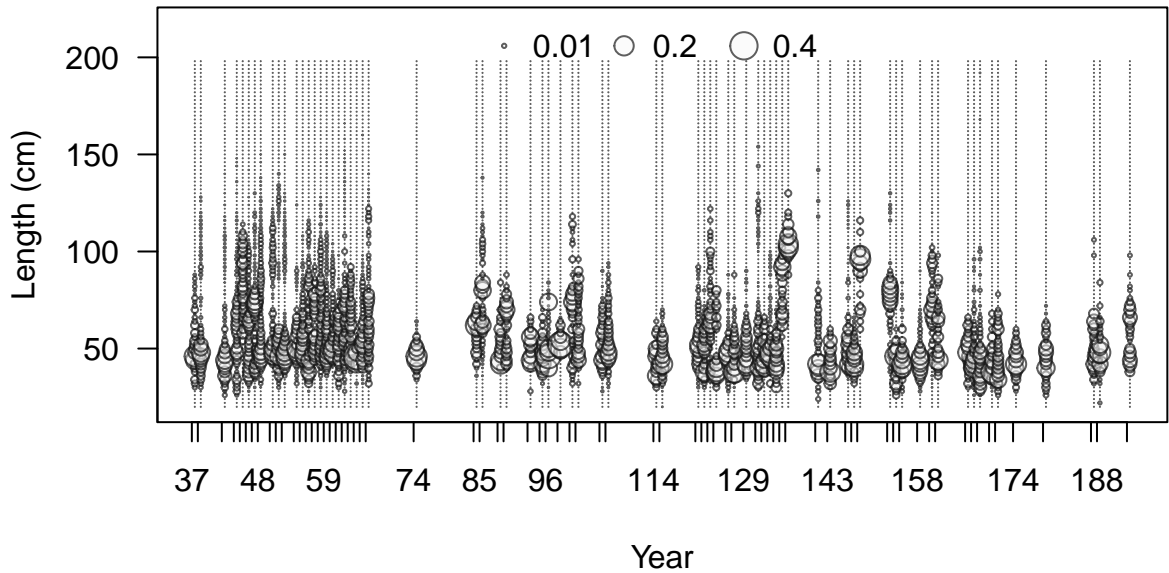
Proportion



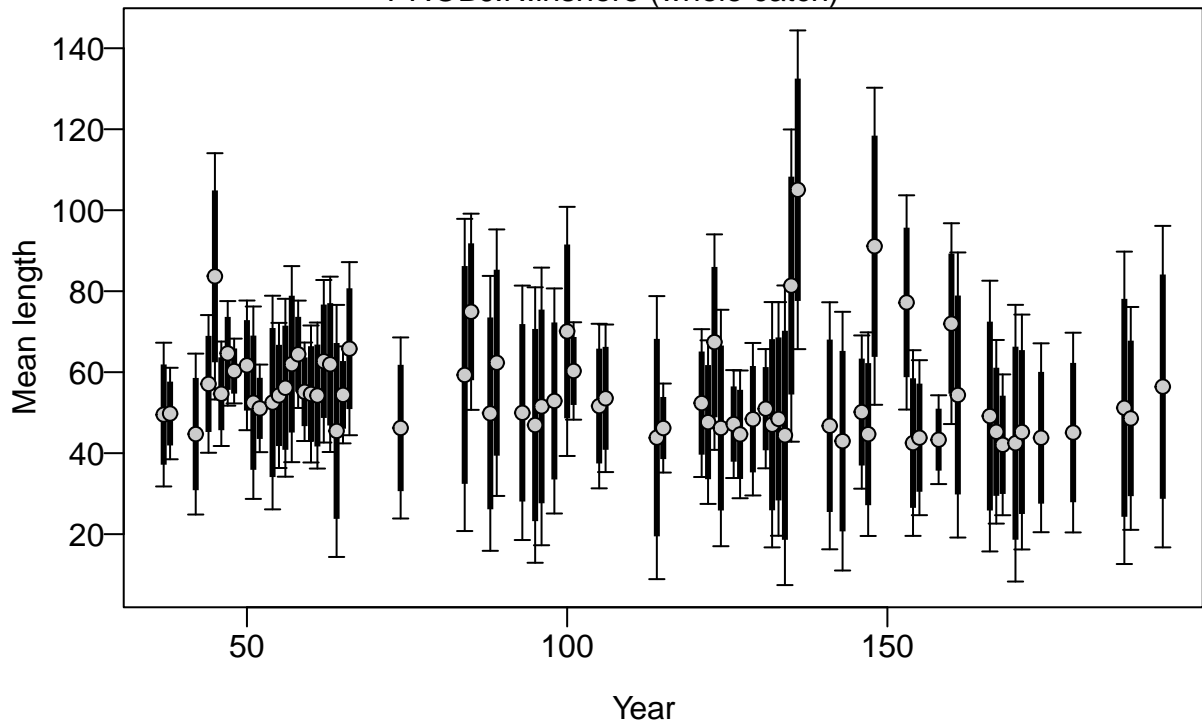


Proportion

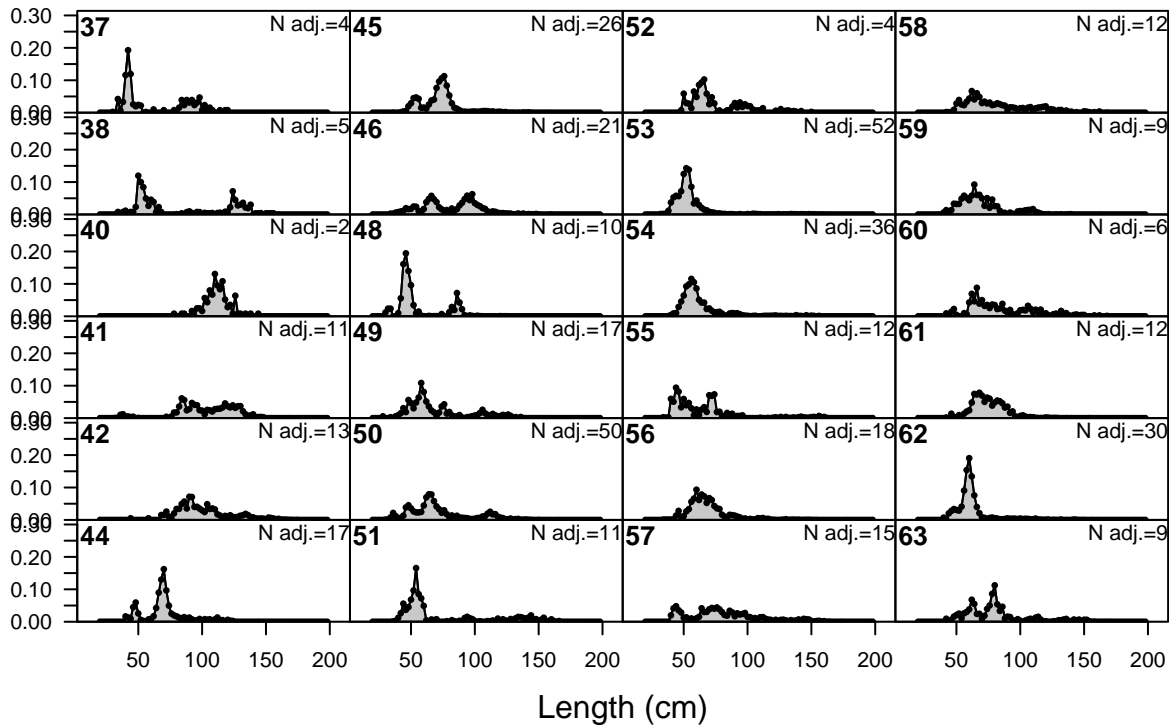
Length (cm)



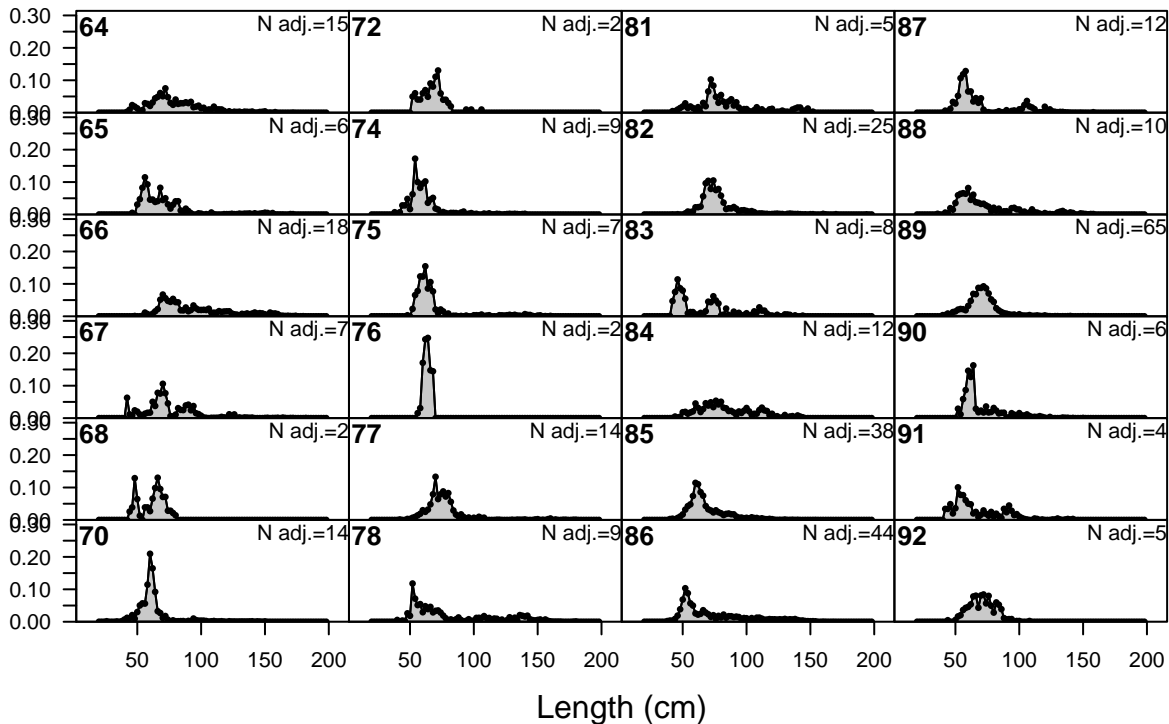
F7.OBJ.N.inshore (whole catch)



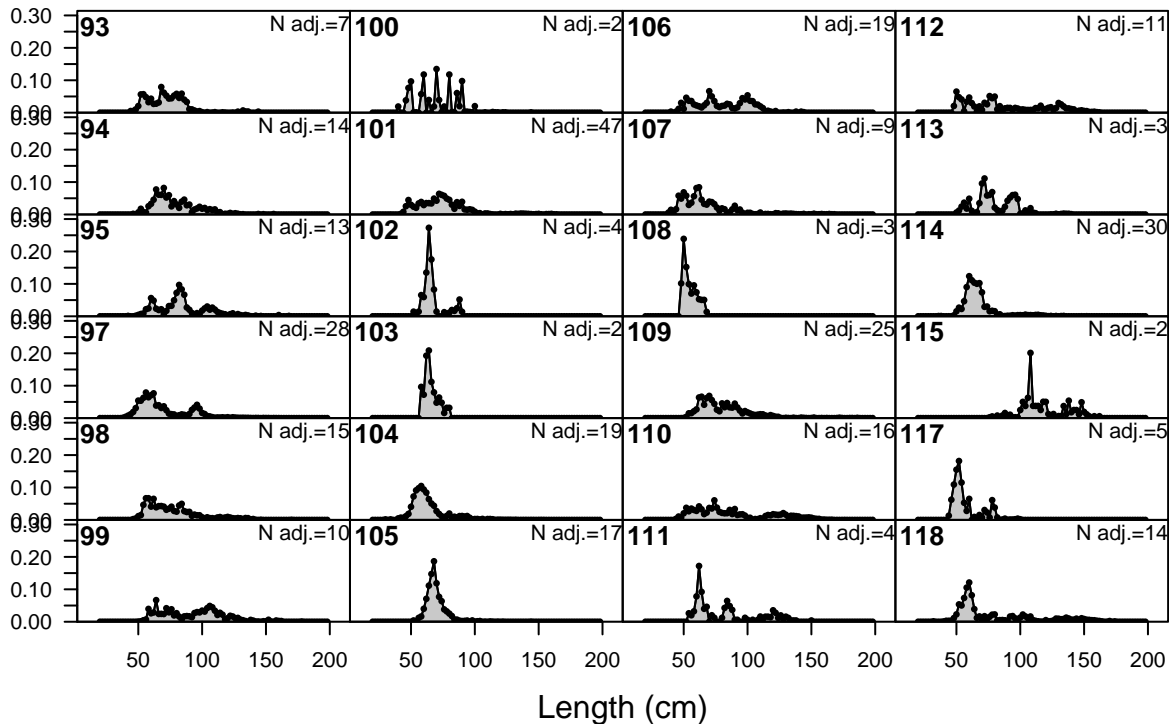
Proportion



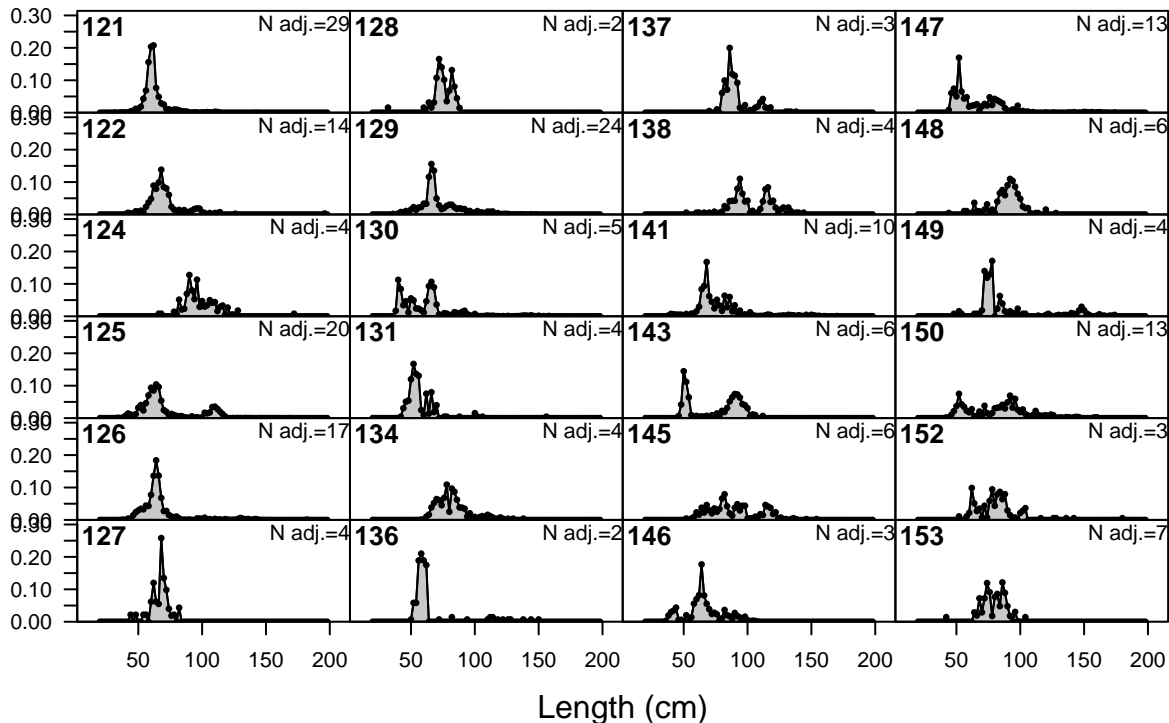
Proportion



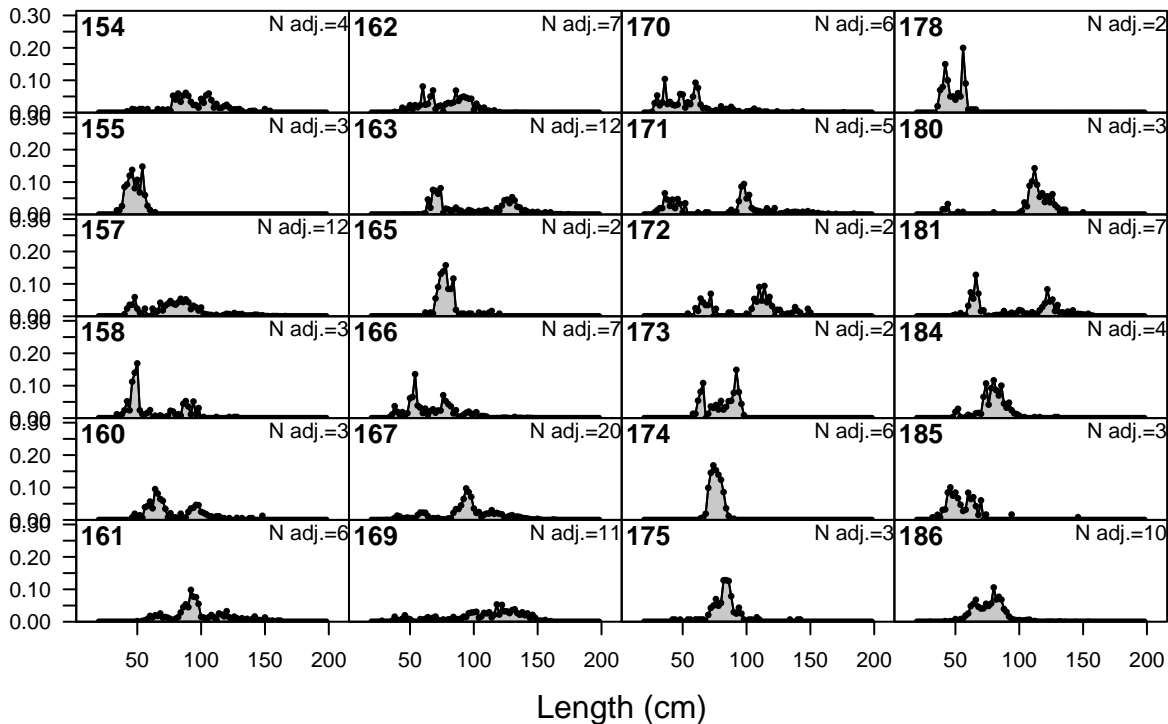
Proportion

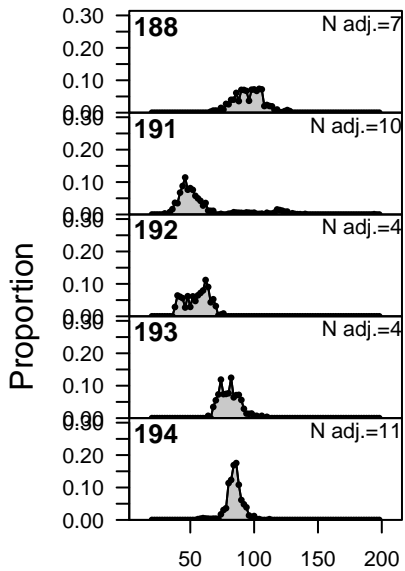


Proportion

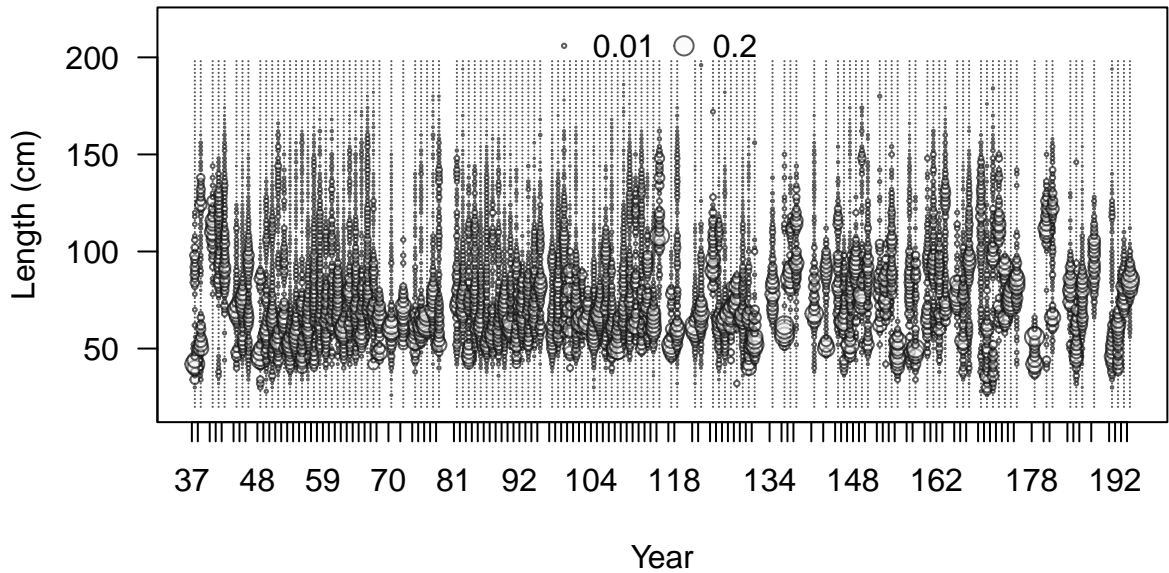


Proportion

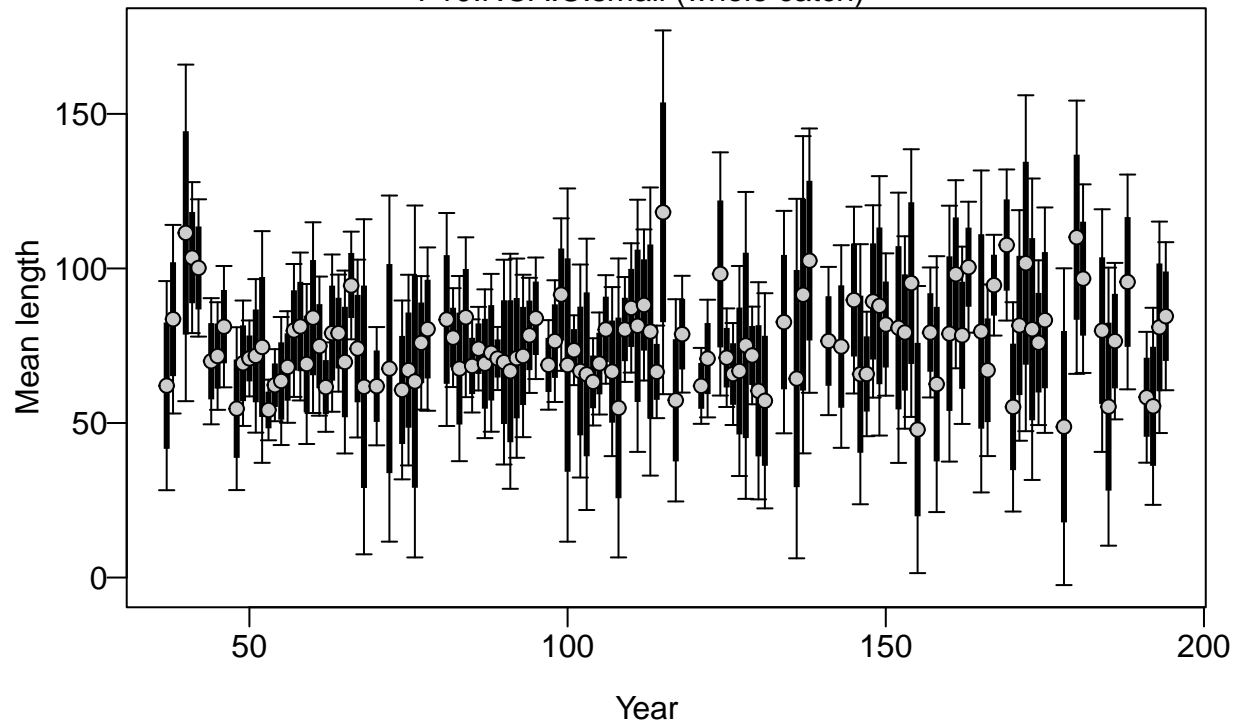




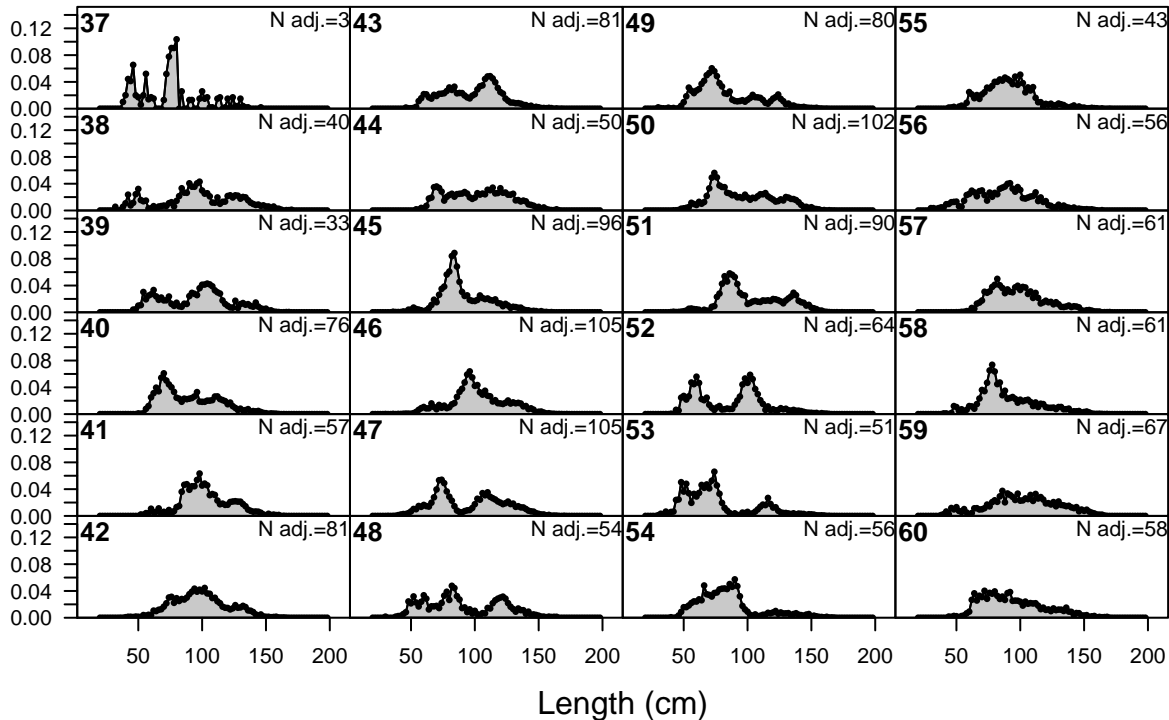
Length (cm)



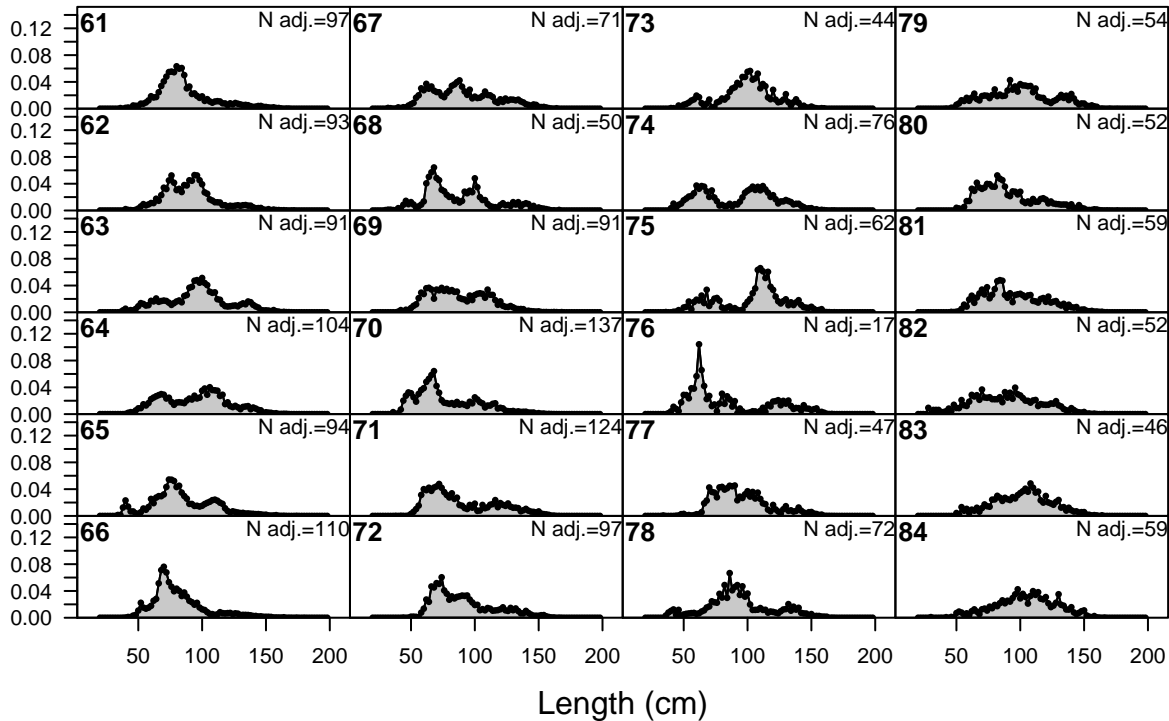
F10.NOA.C.small (whole catch)



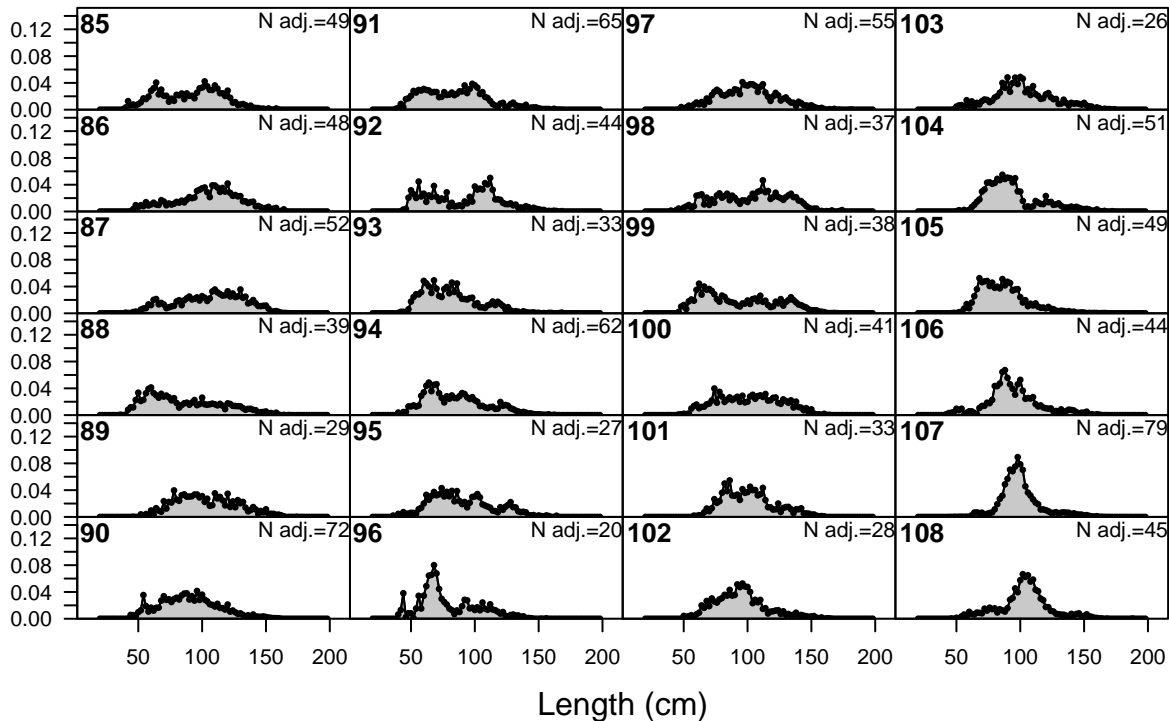
Proportion



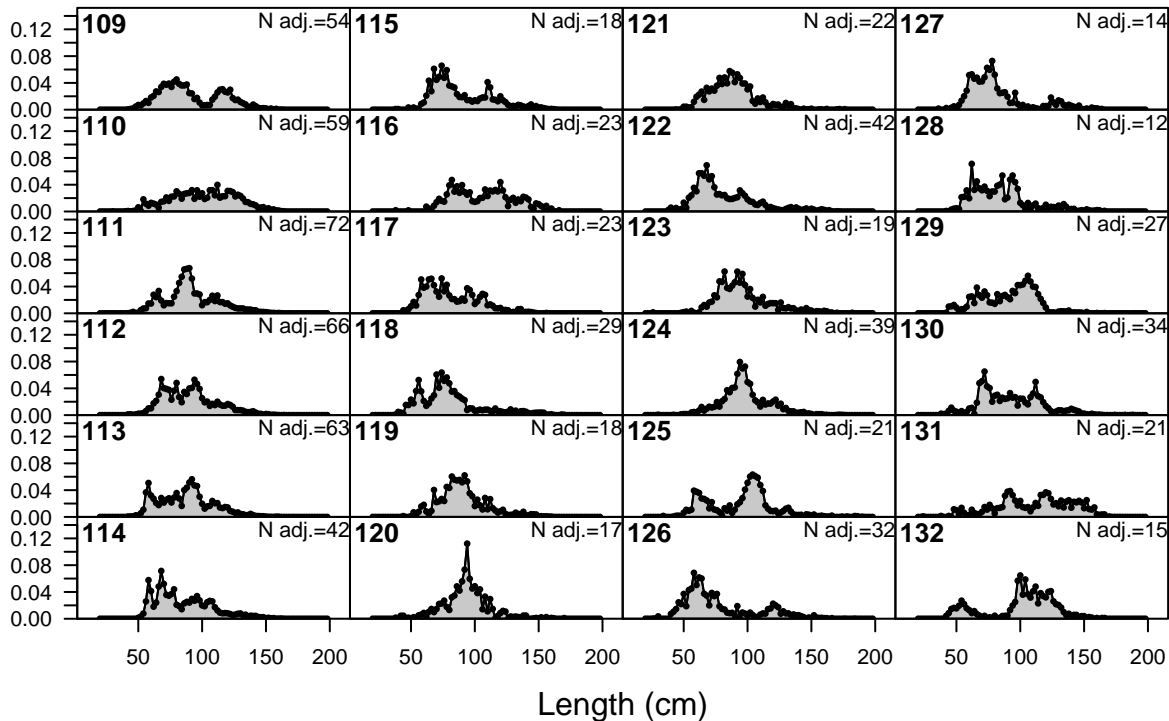
Proportion



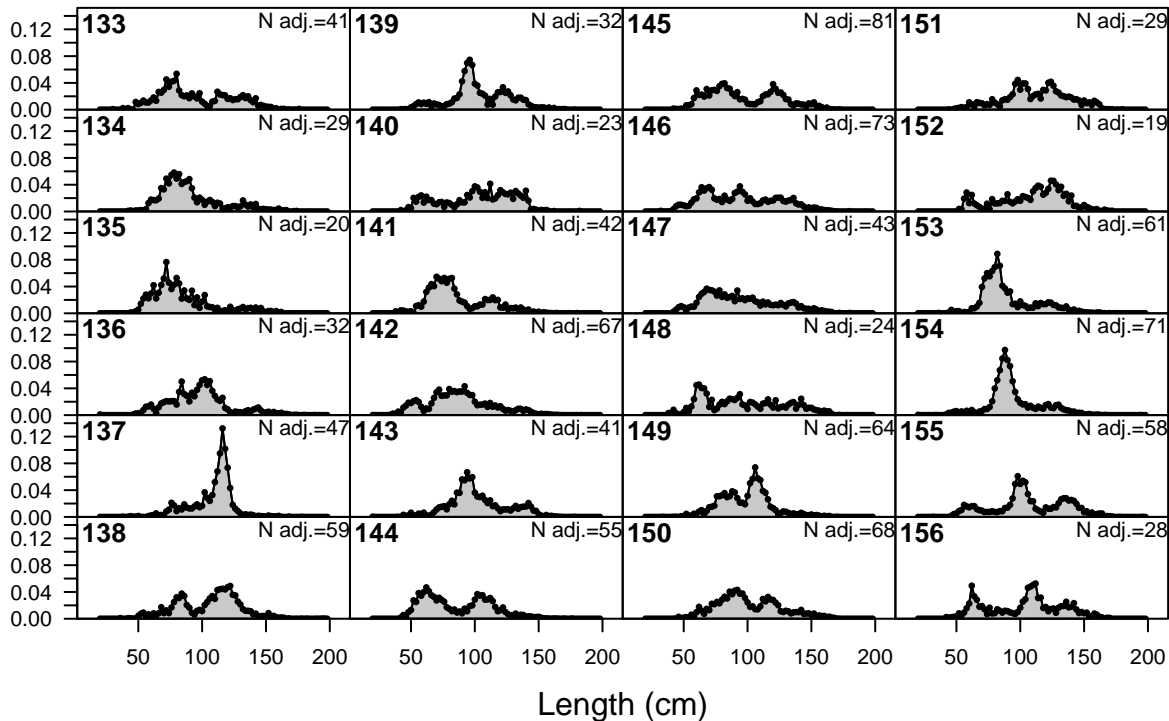
Proportion



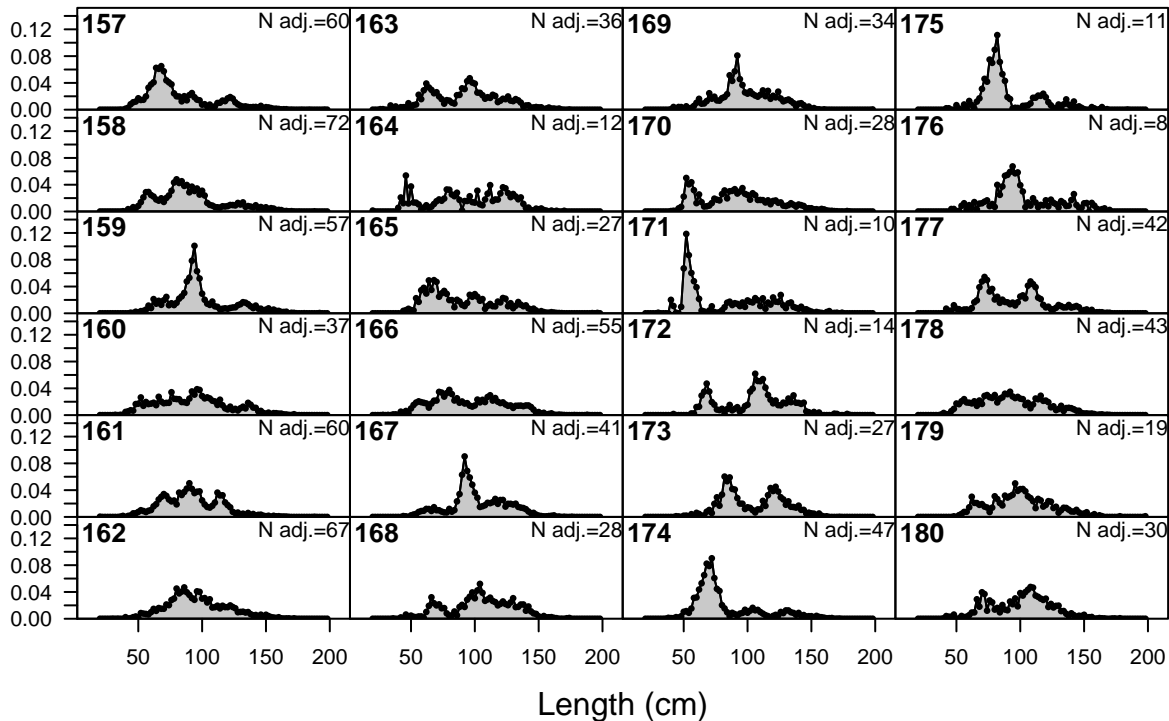
Proportion



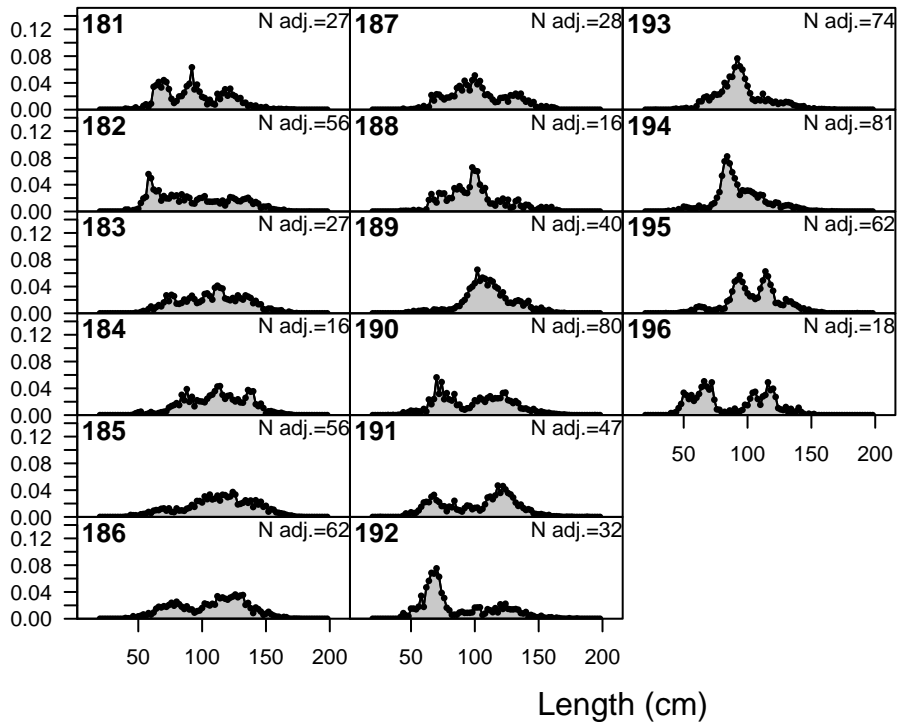
Proportion

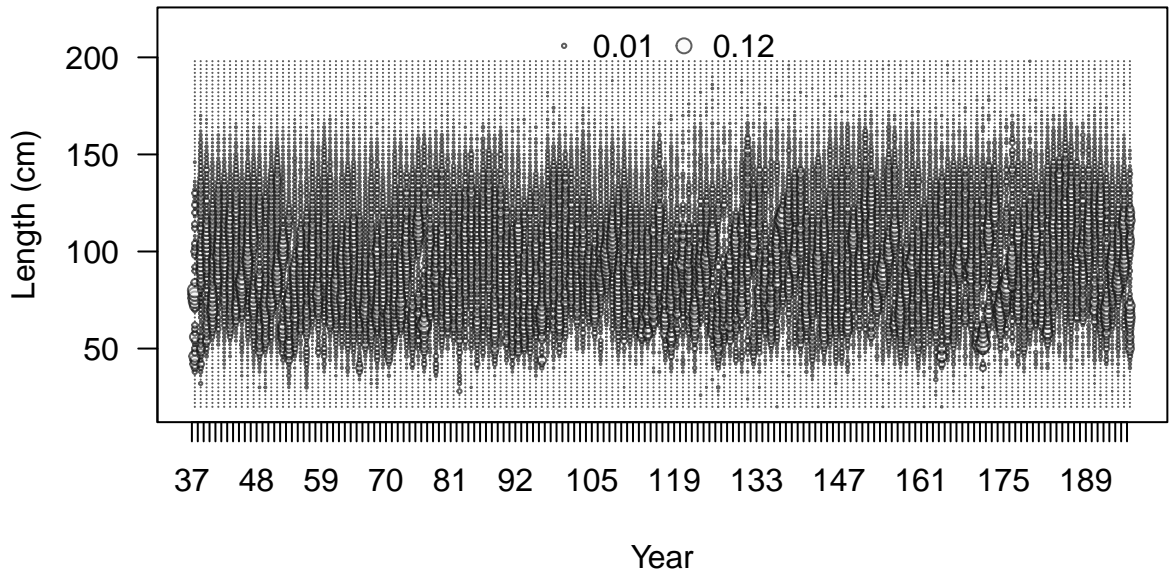


Proportion

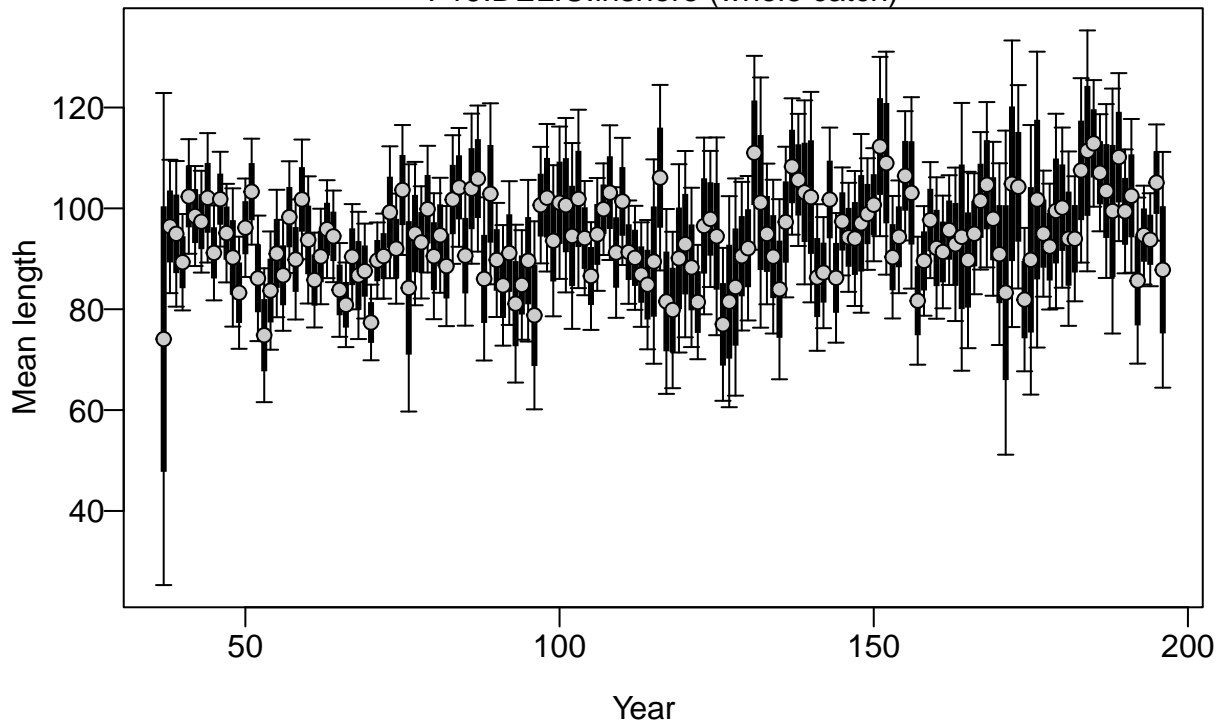


Proportion

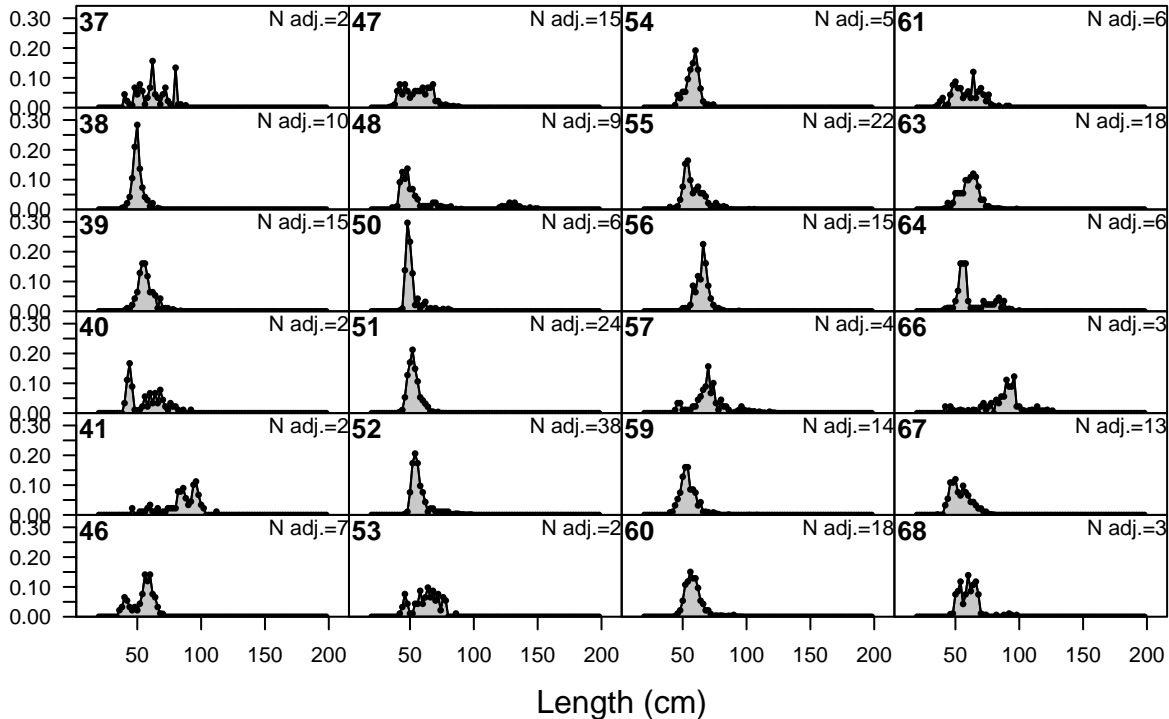




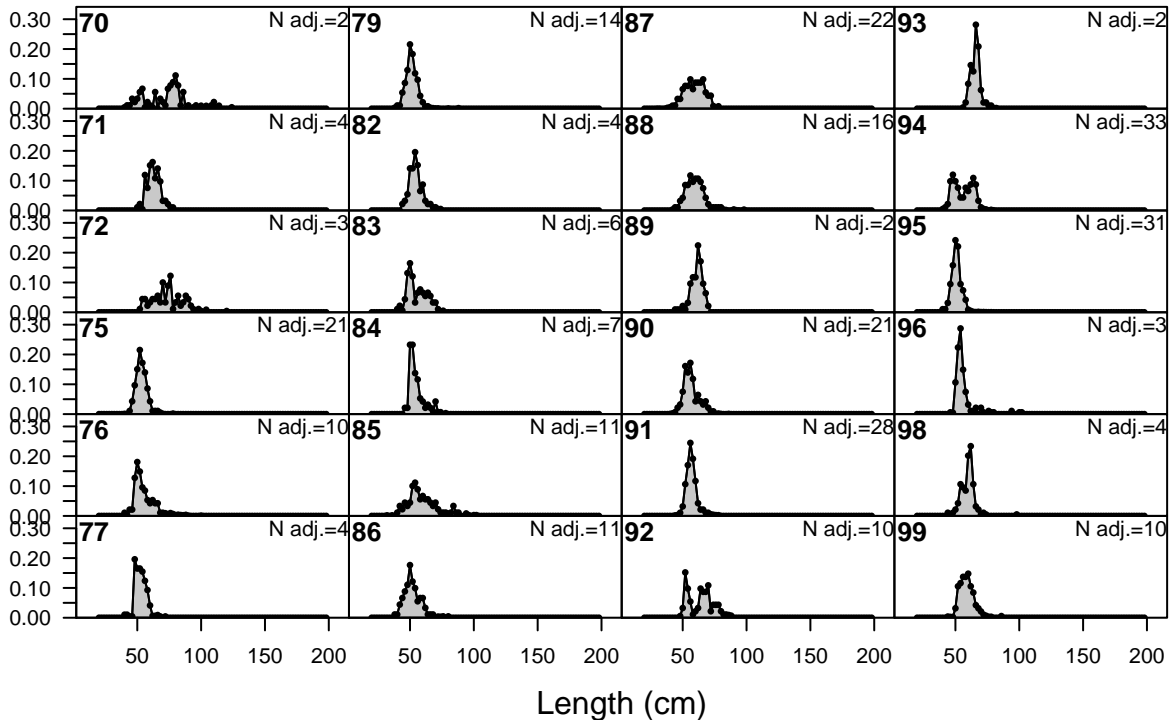
F19.DEL.C.inshore (whole catch)

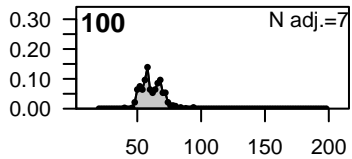


Proportion



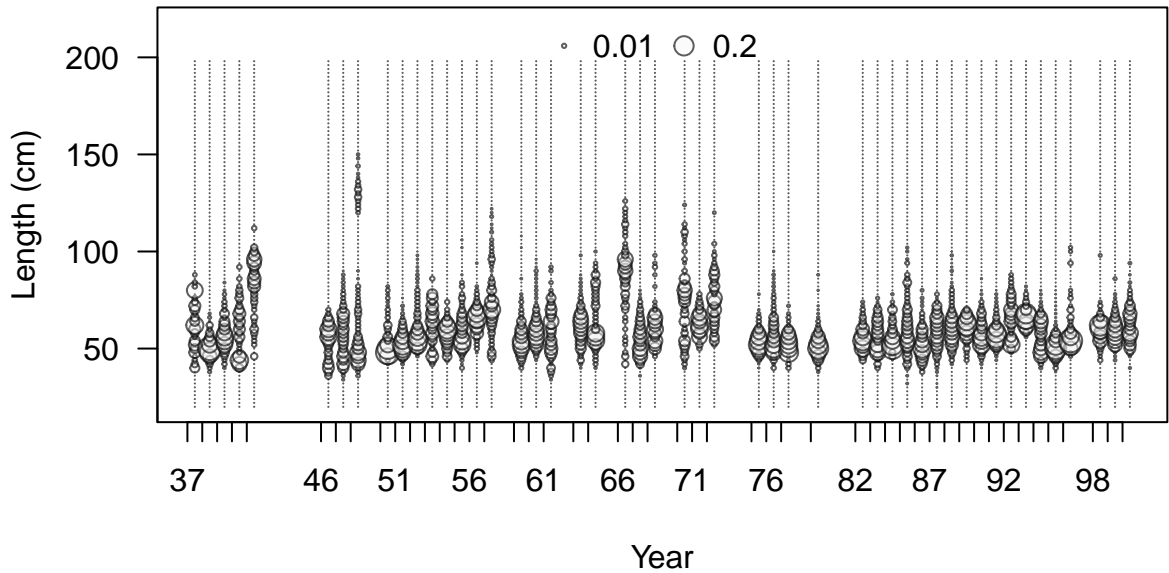
Proportion



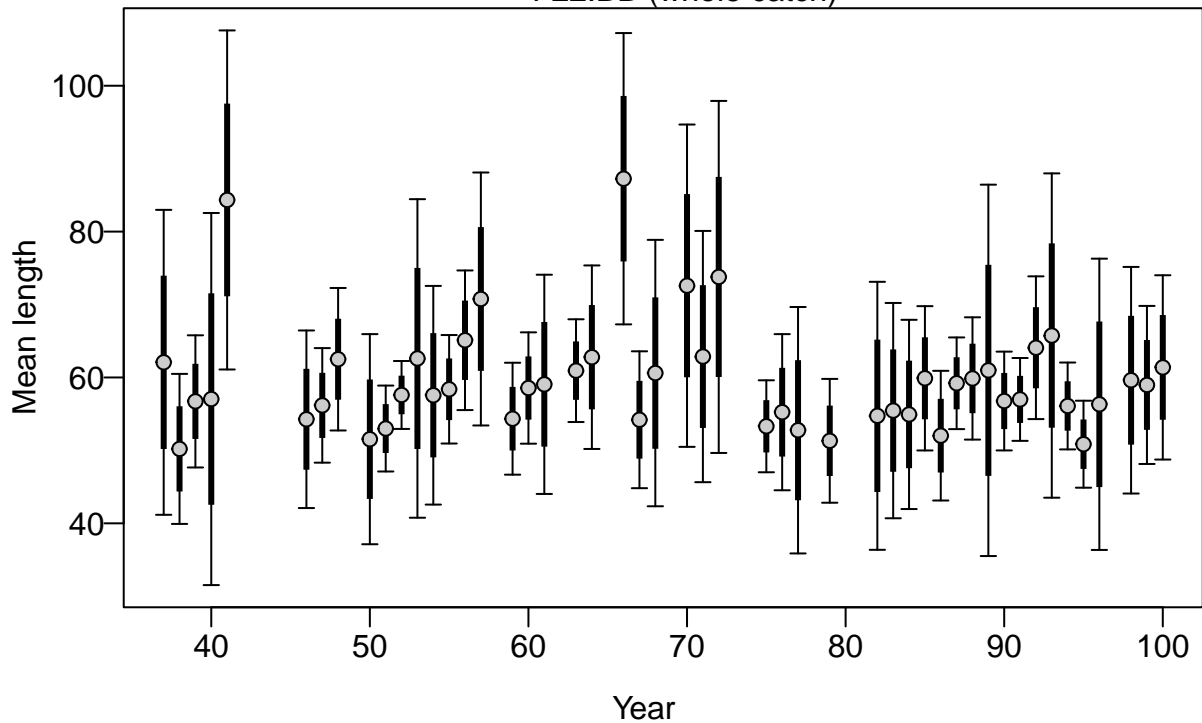


Proportion

Length (cm)

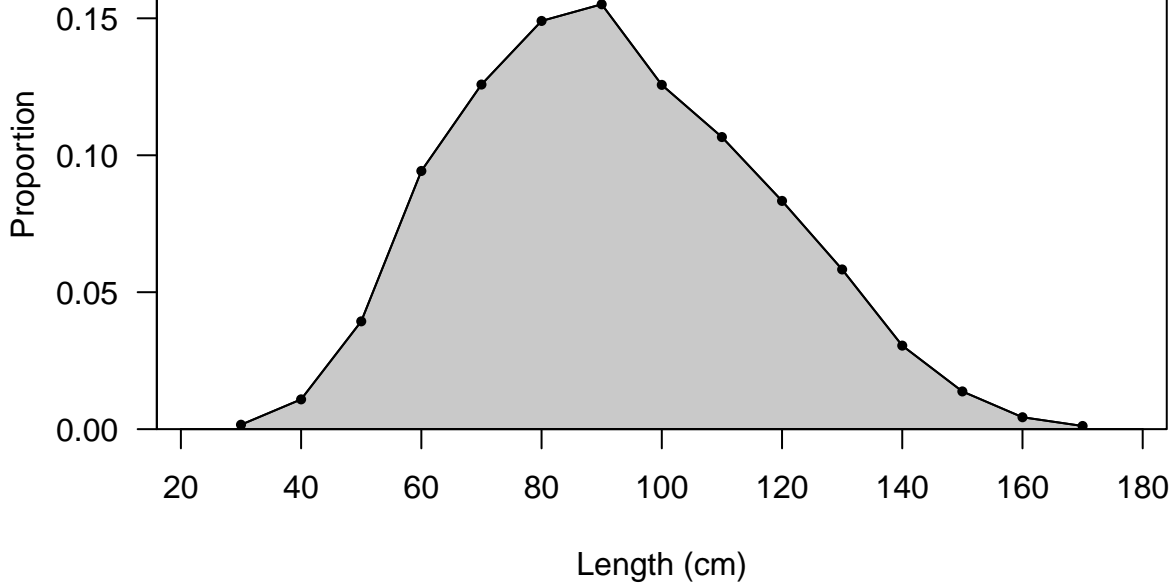


F22.BB (whole catch)

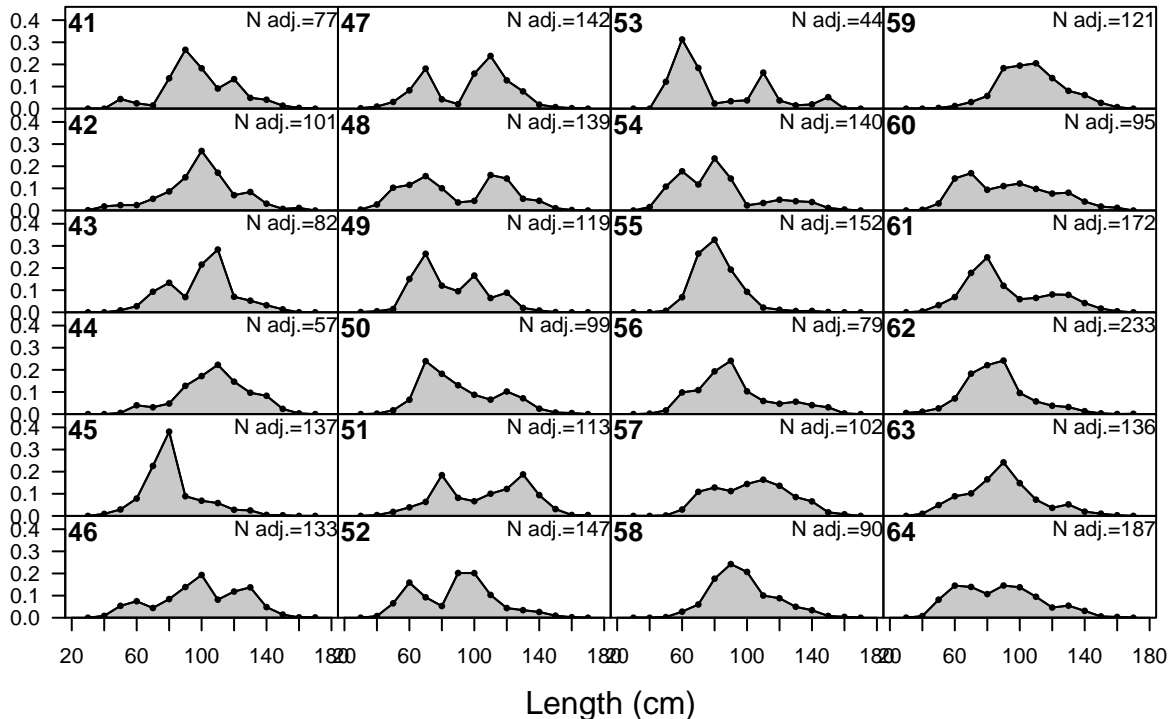


S1.PS_VAST

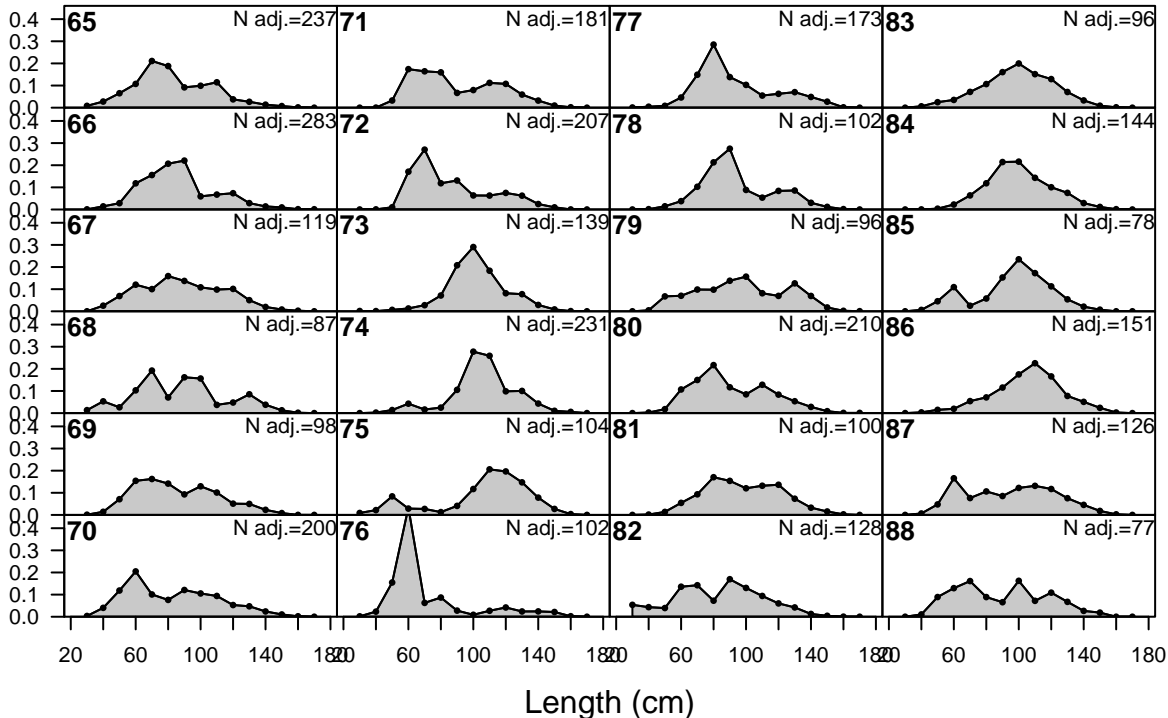
Sum of N adj.=18861



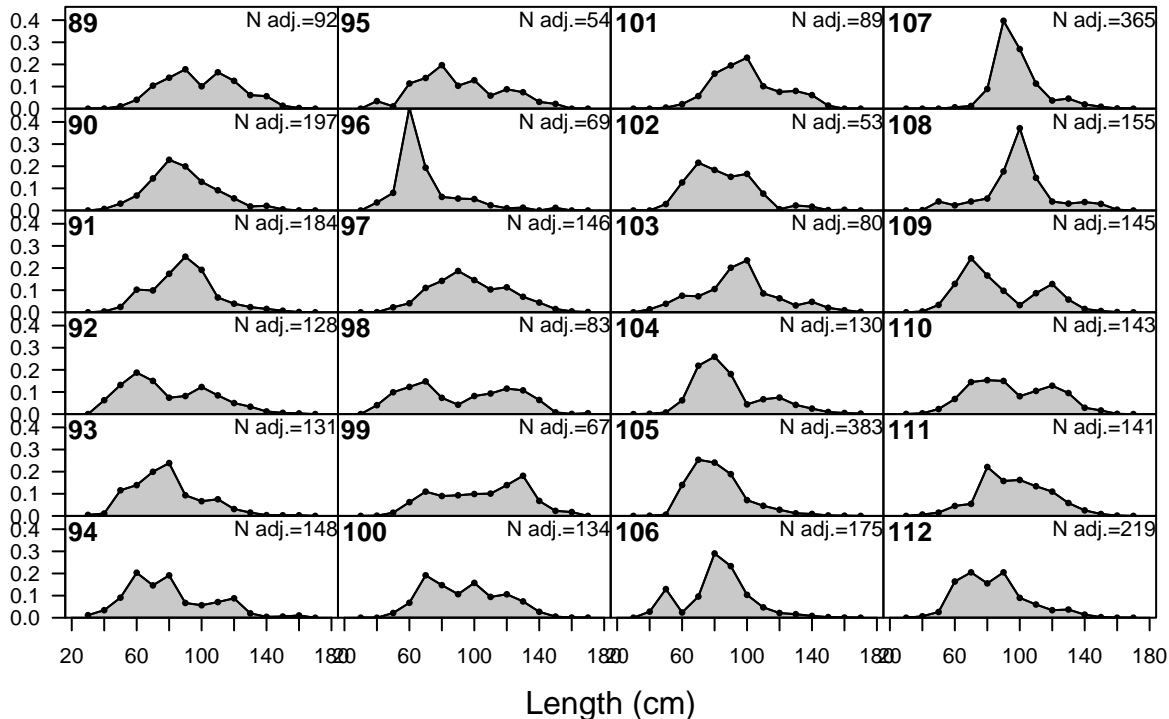
Proportion



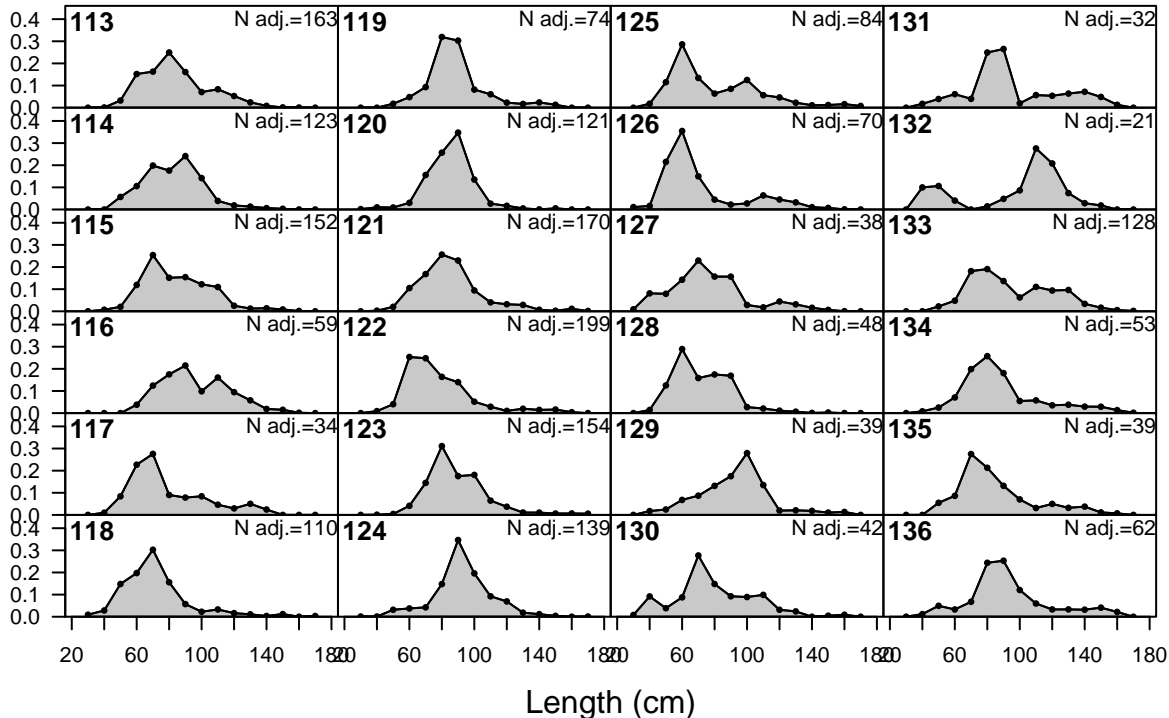
Proportion



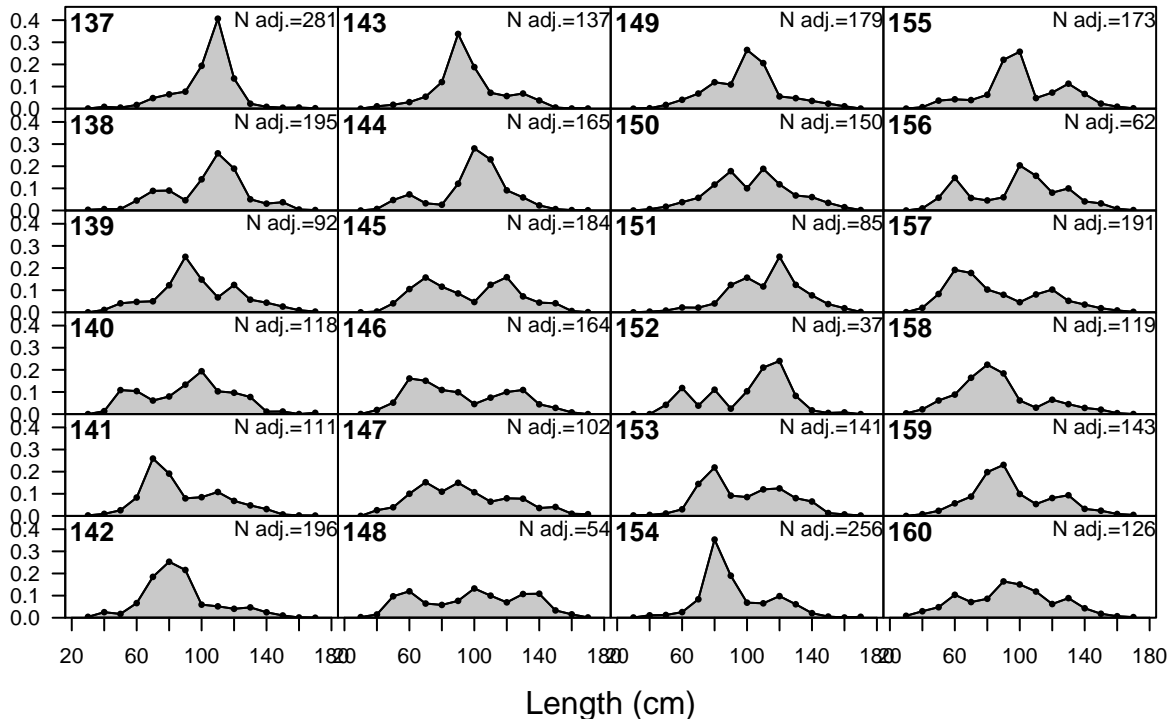
Proportion



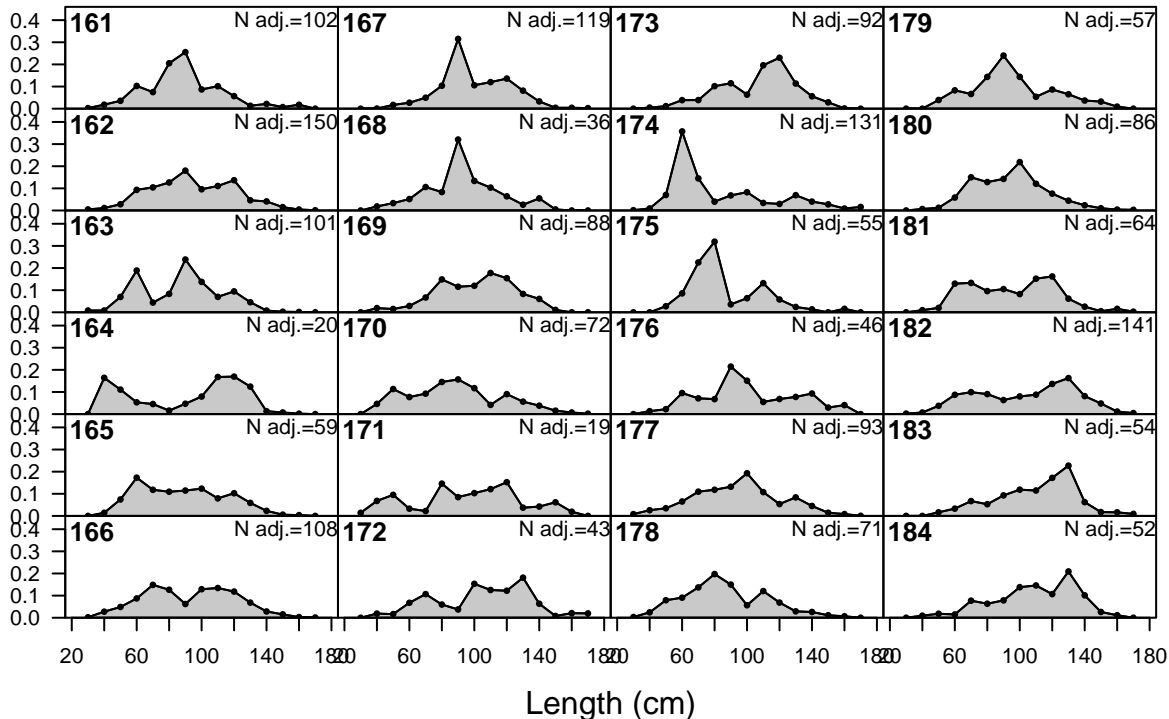
Proportion



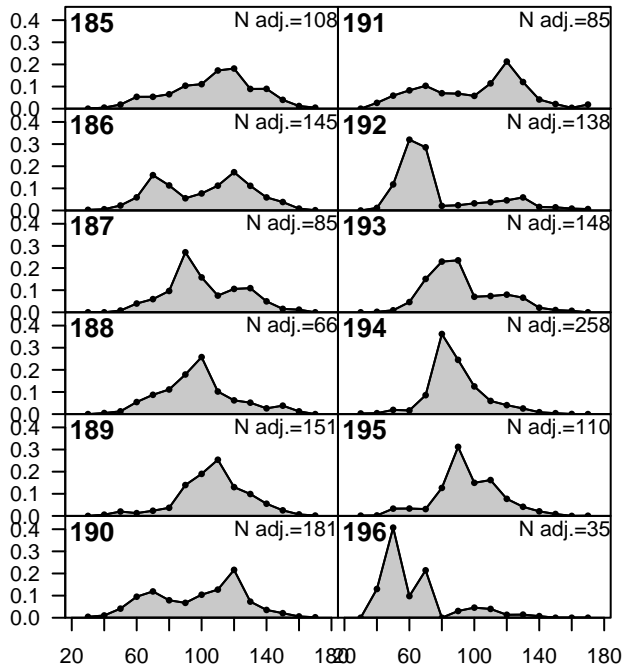
Proportion



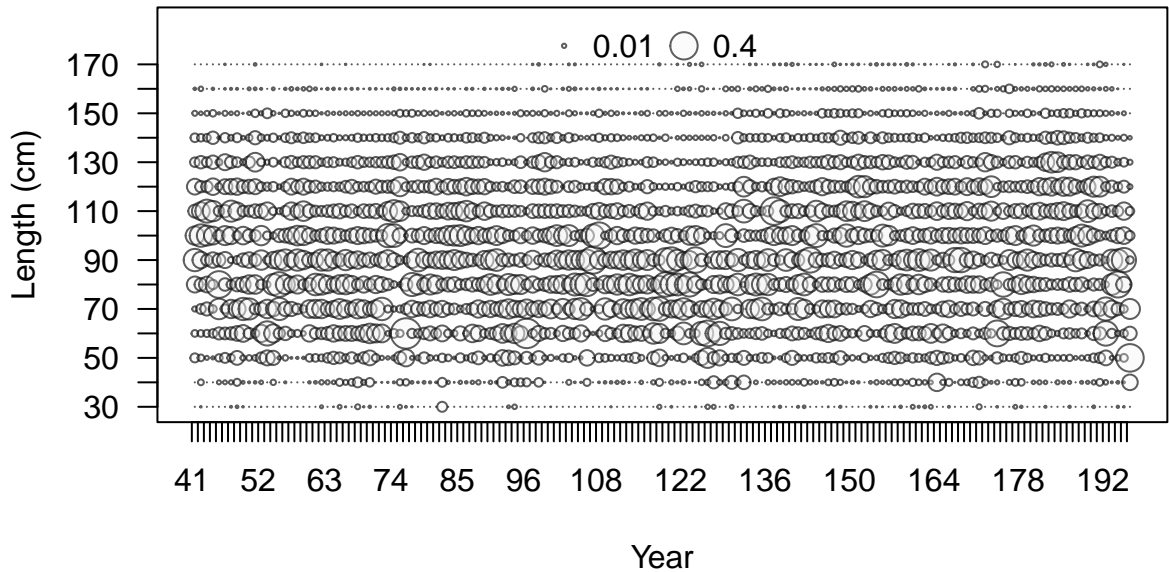
Proportion



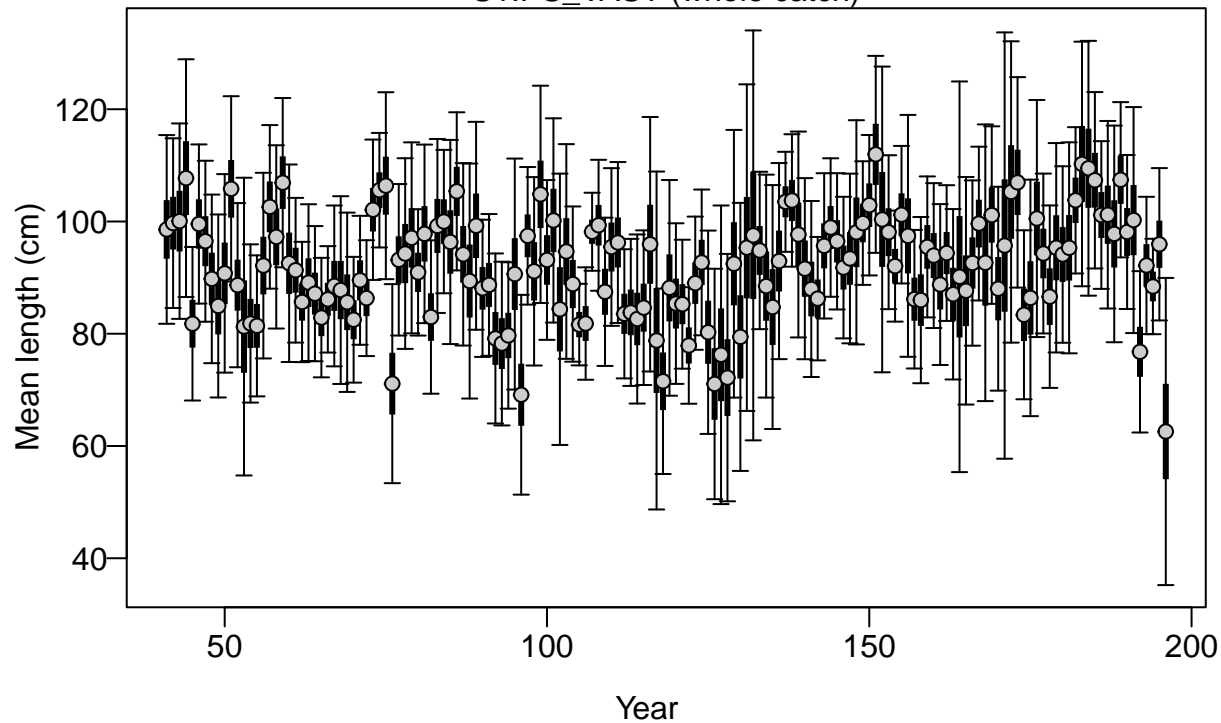
Proportion

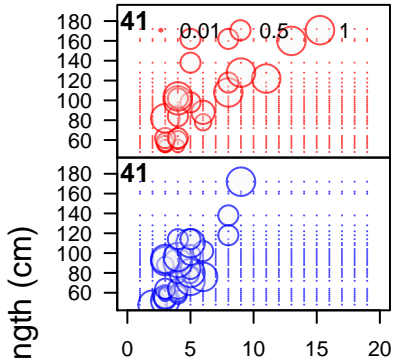


Length (cm)

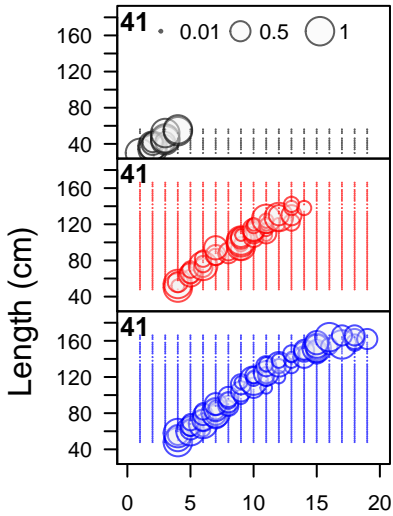


S1.PS_VAST (whole catch)



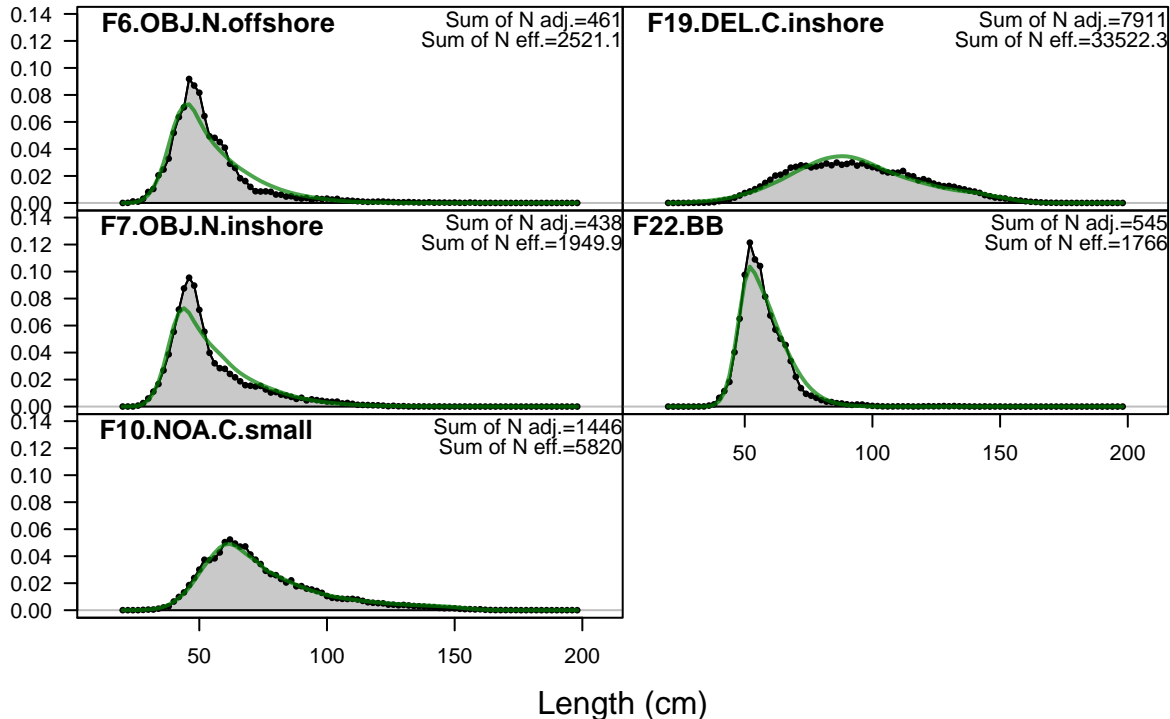


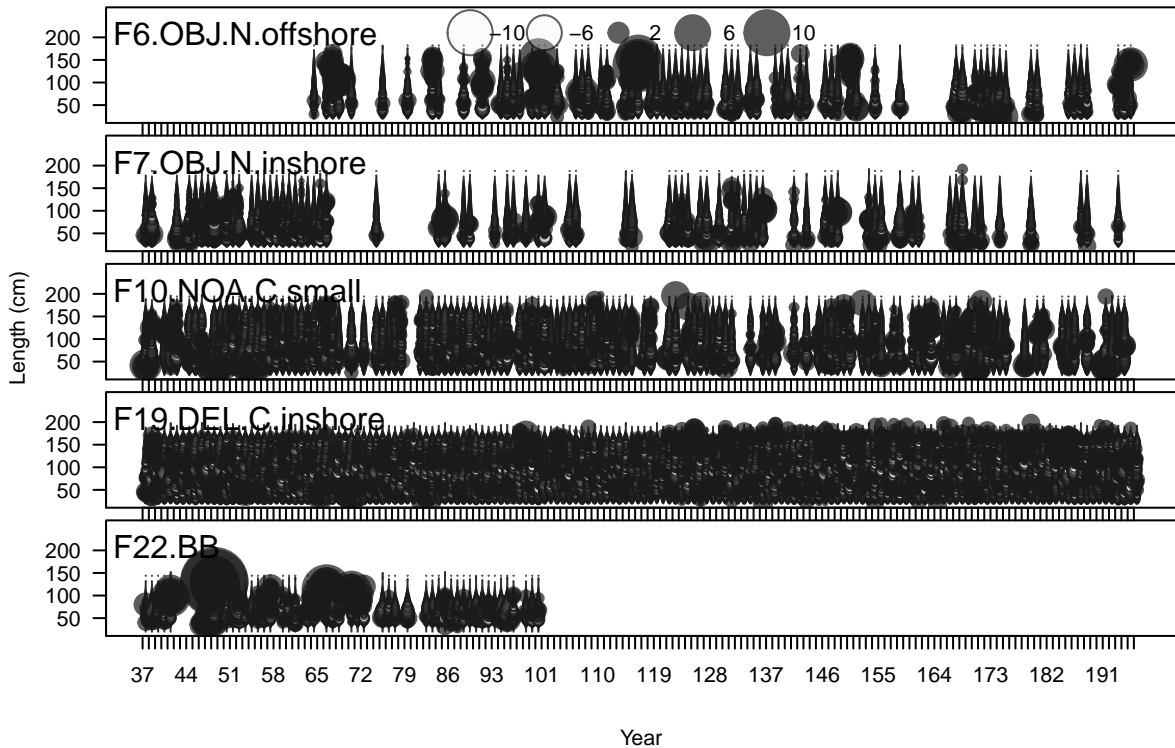
Age (yr)



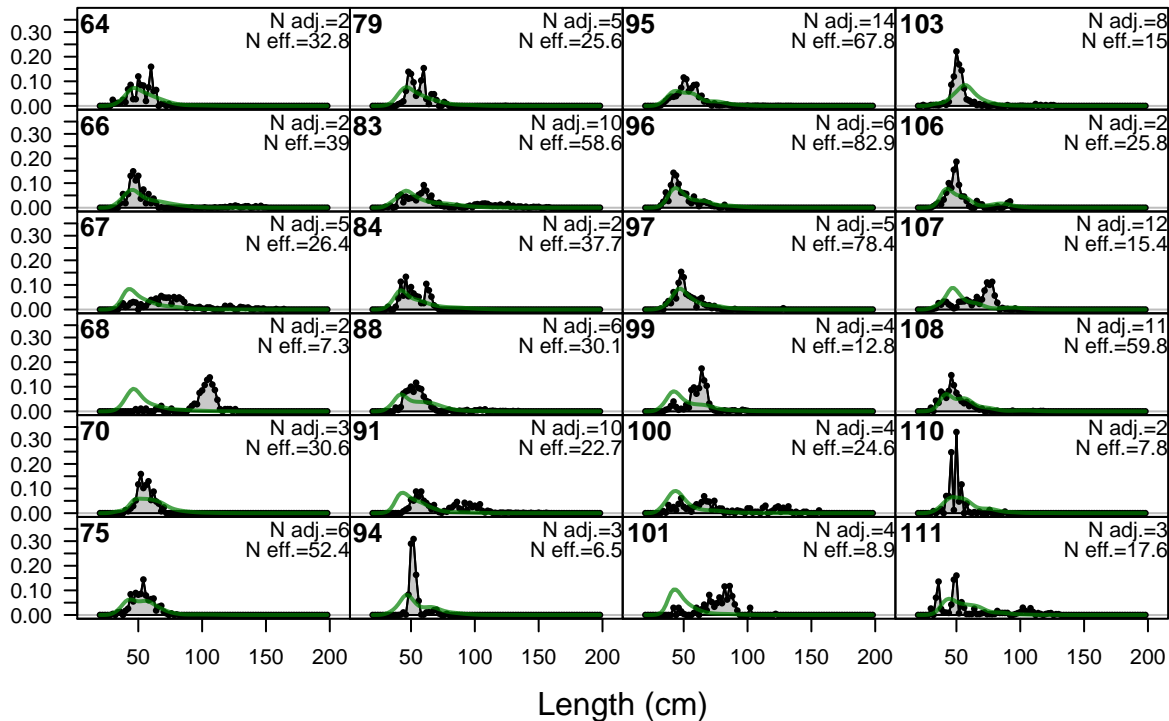
Age (yr)

Proportion

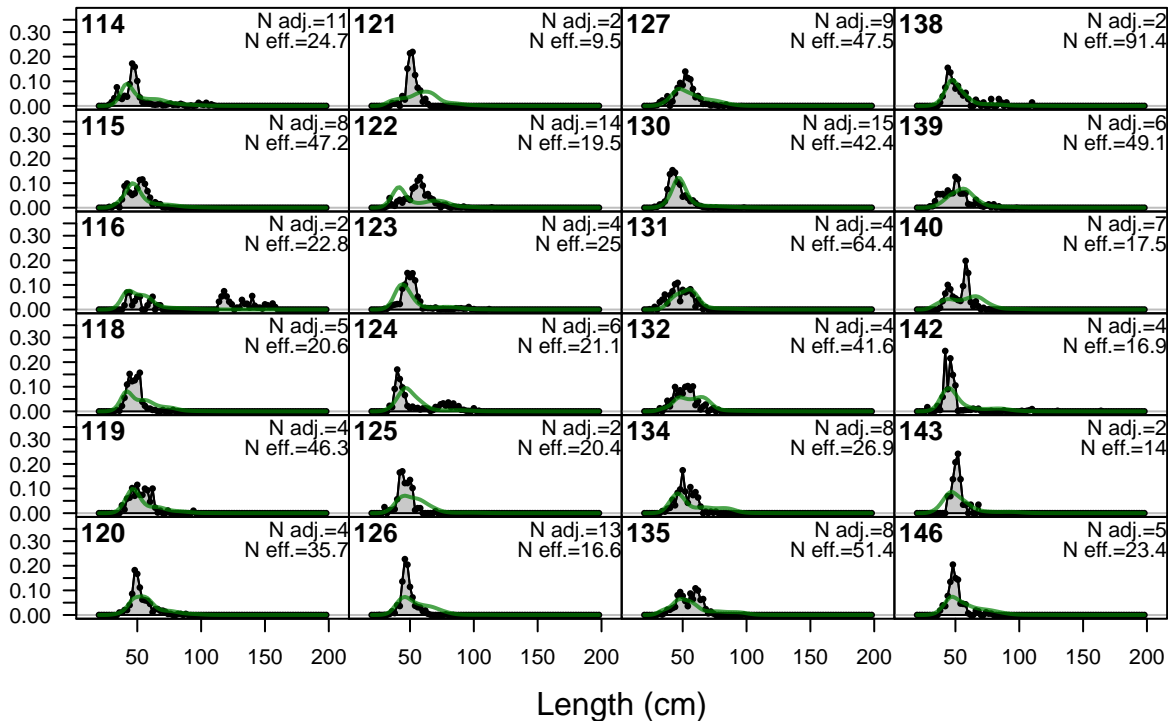




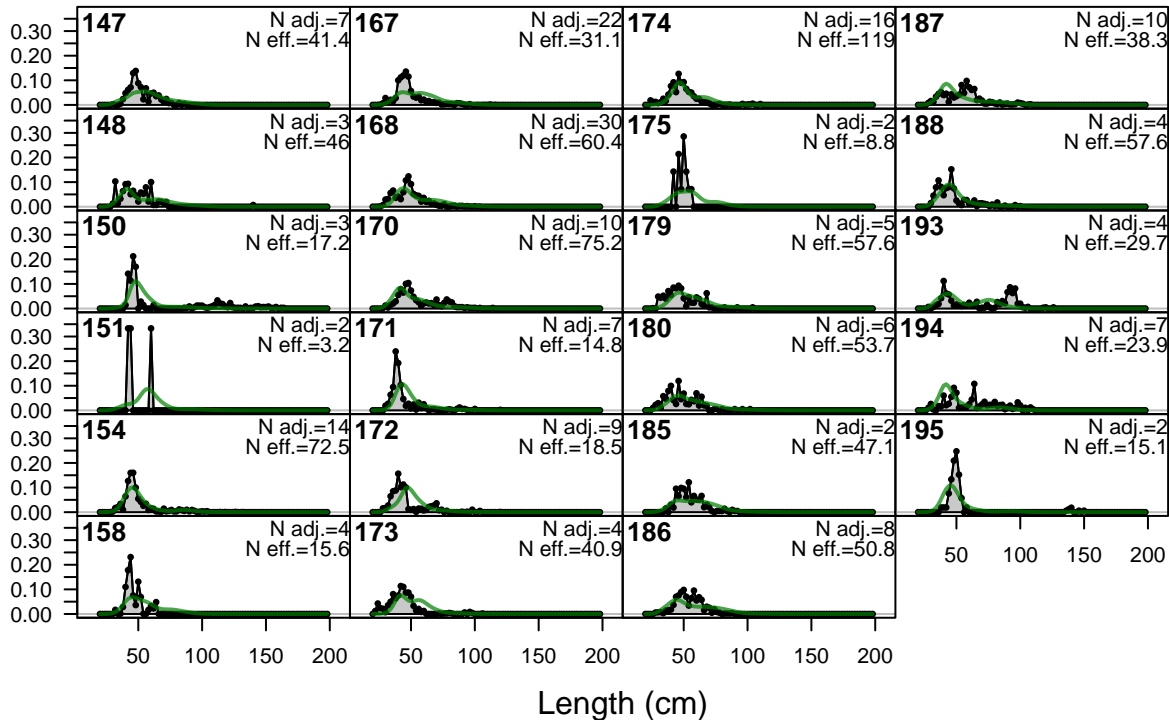
Proportion

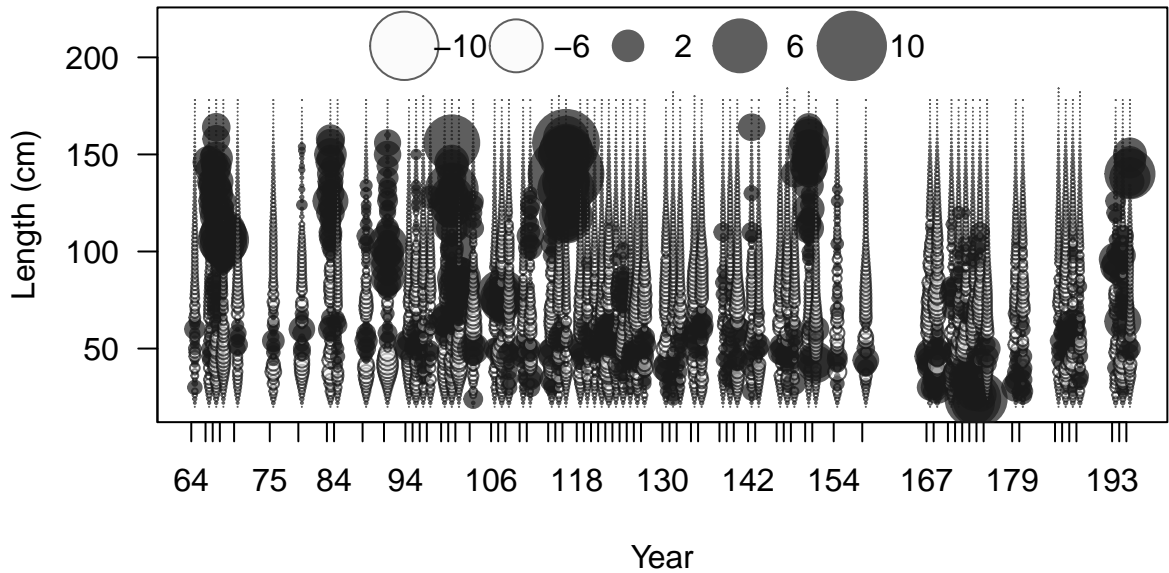


Proportion

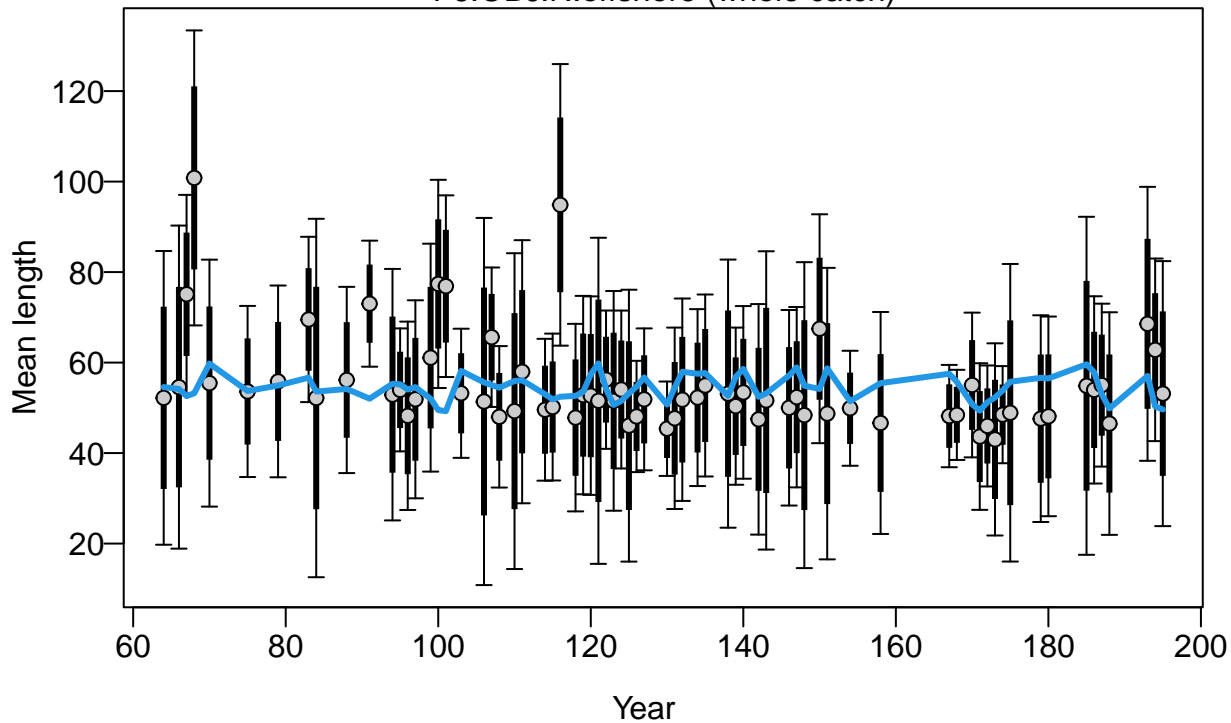


Proportion

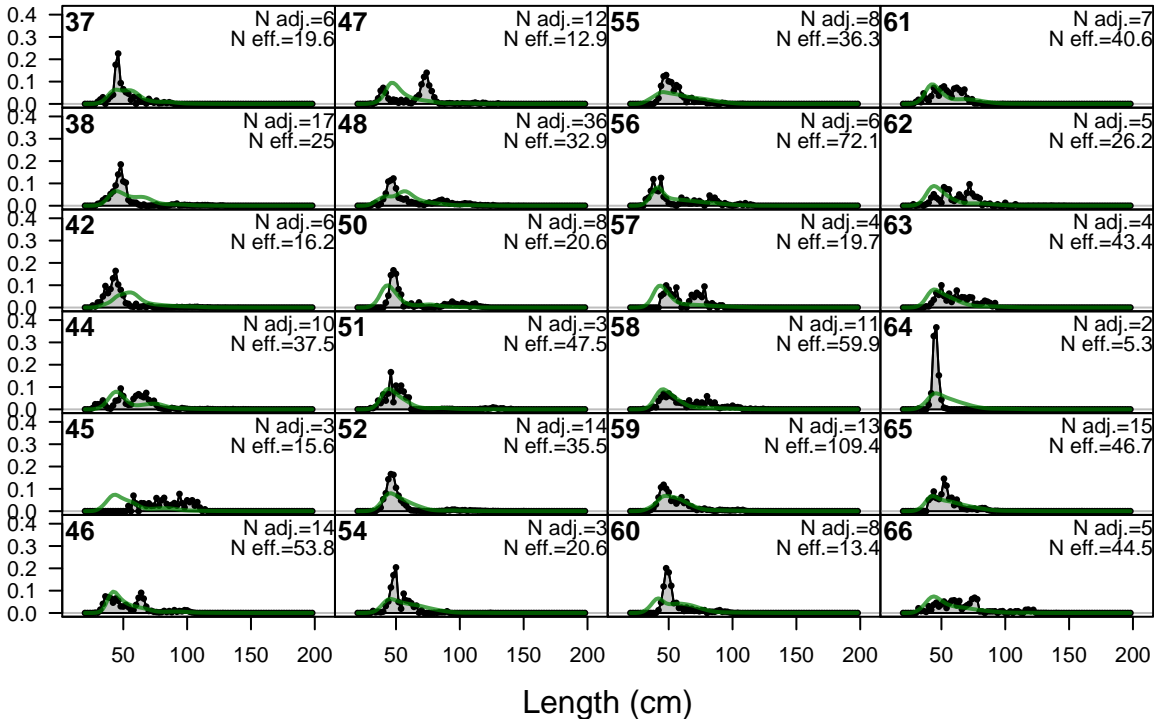




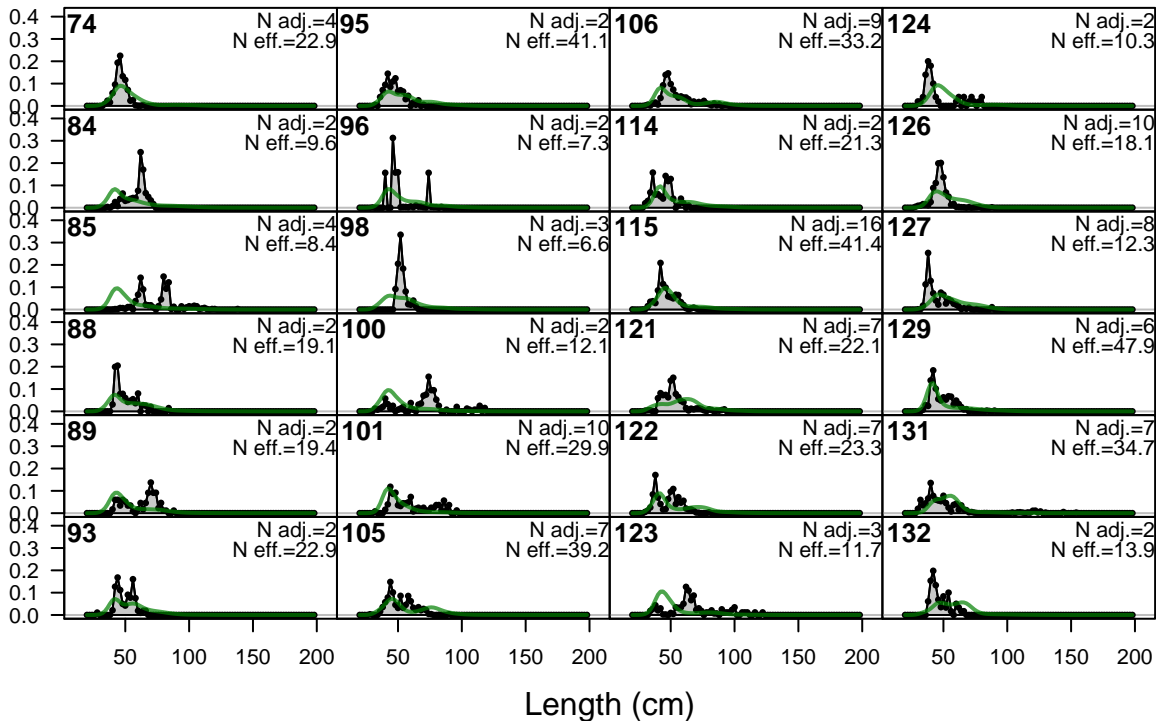
F6.OBJ.N.offshore (whole catch)



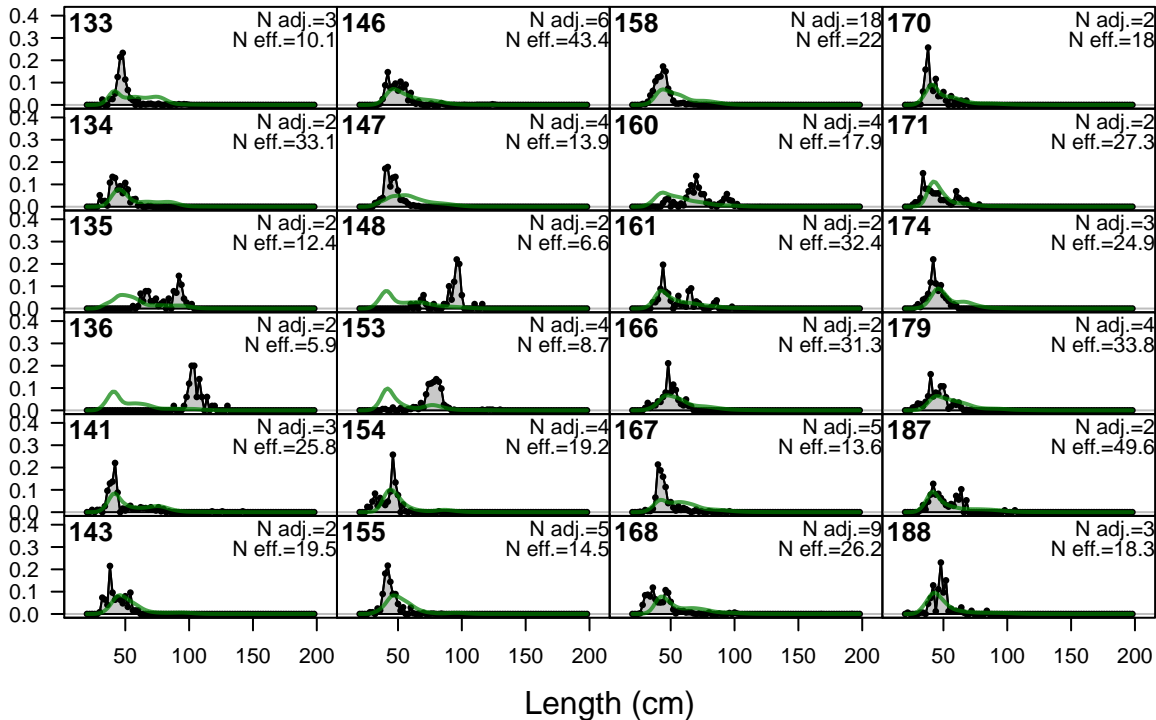
Proportion

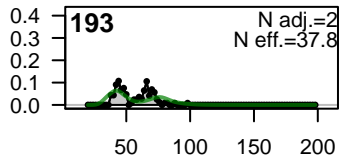


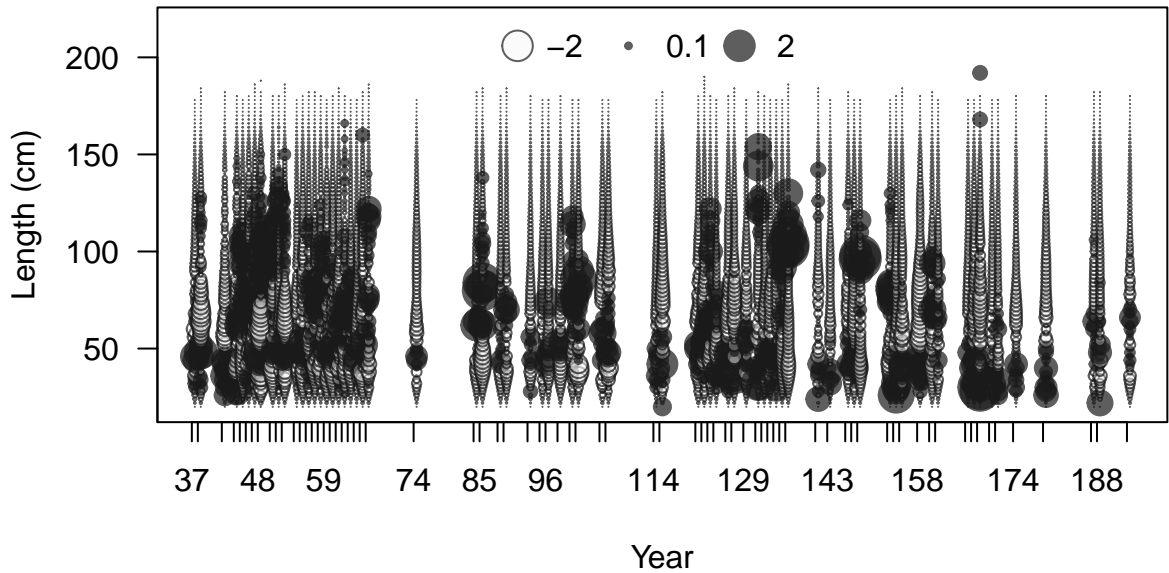
Proportion

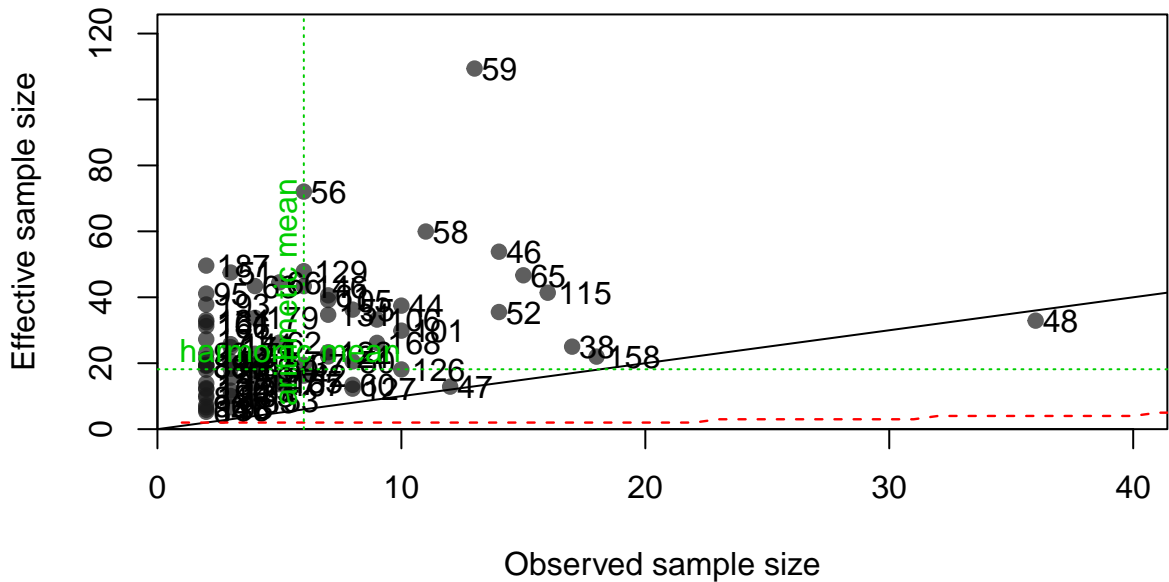


Proportion

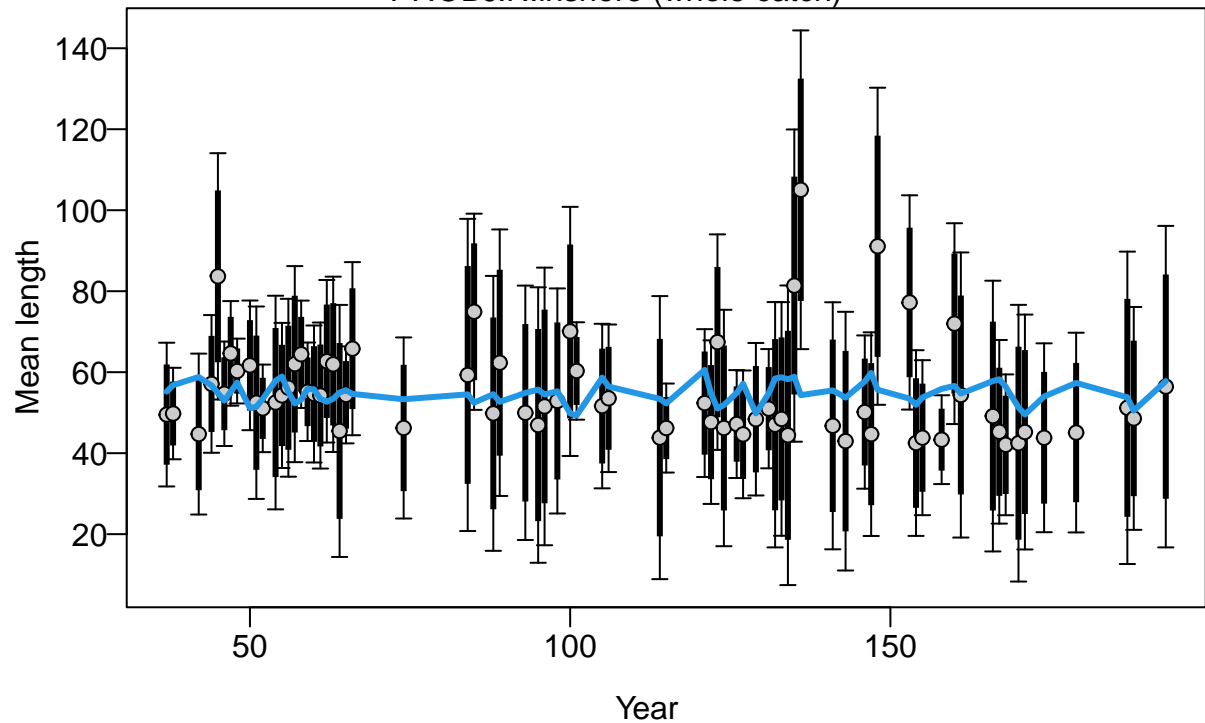




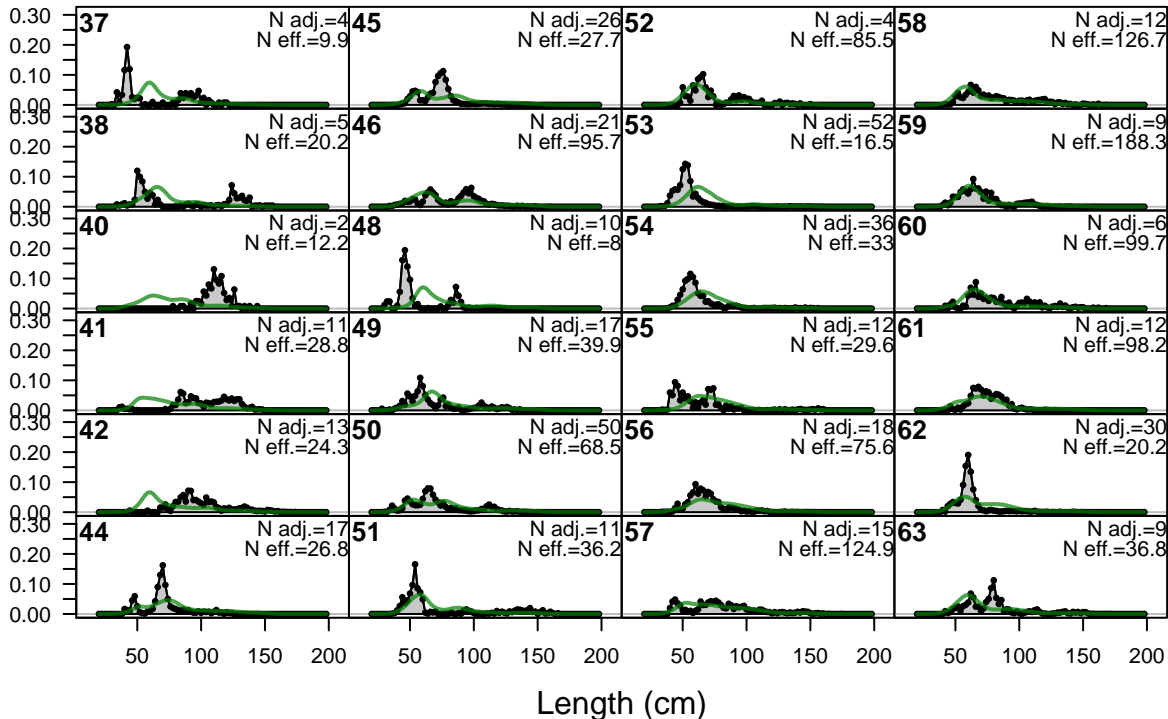




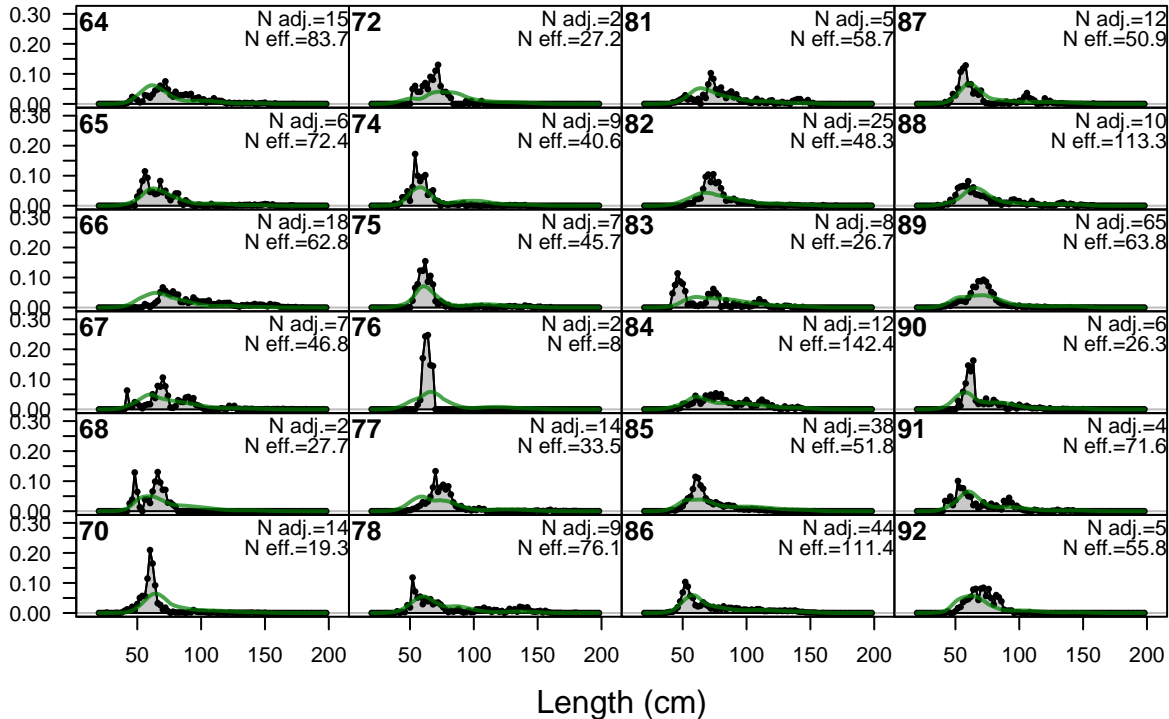
F7.OBJ.N.inshore (whole catch)



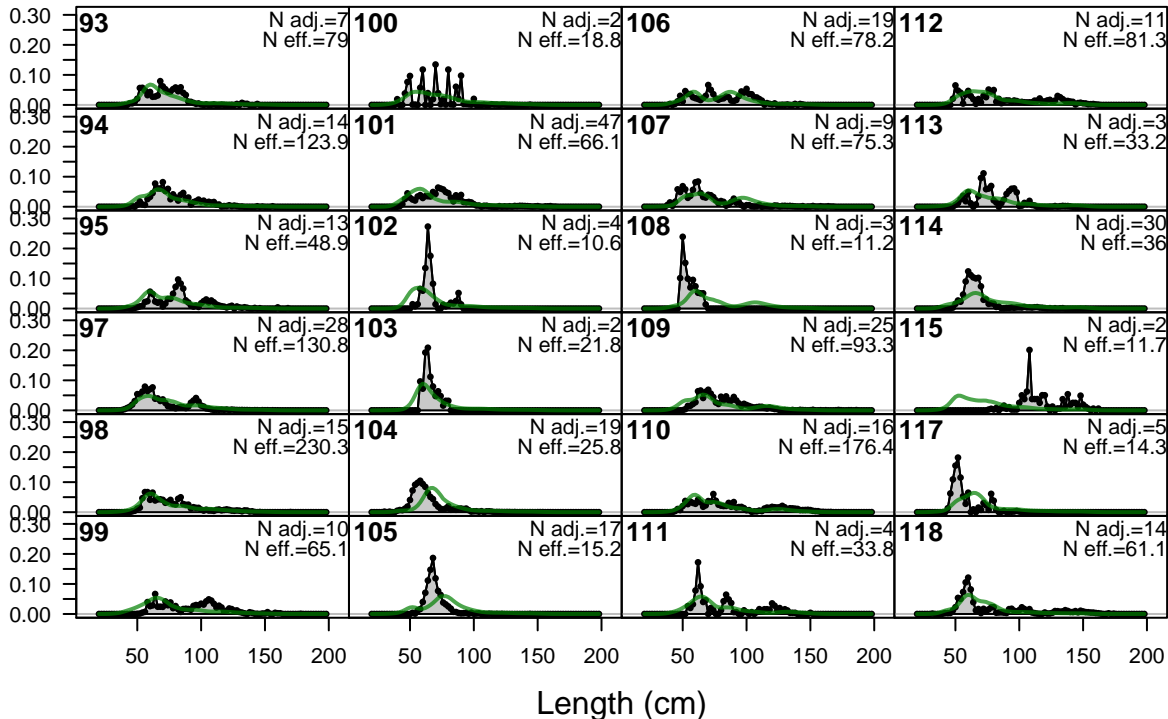
Proportion



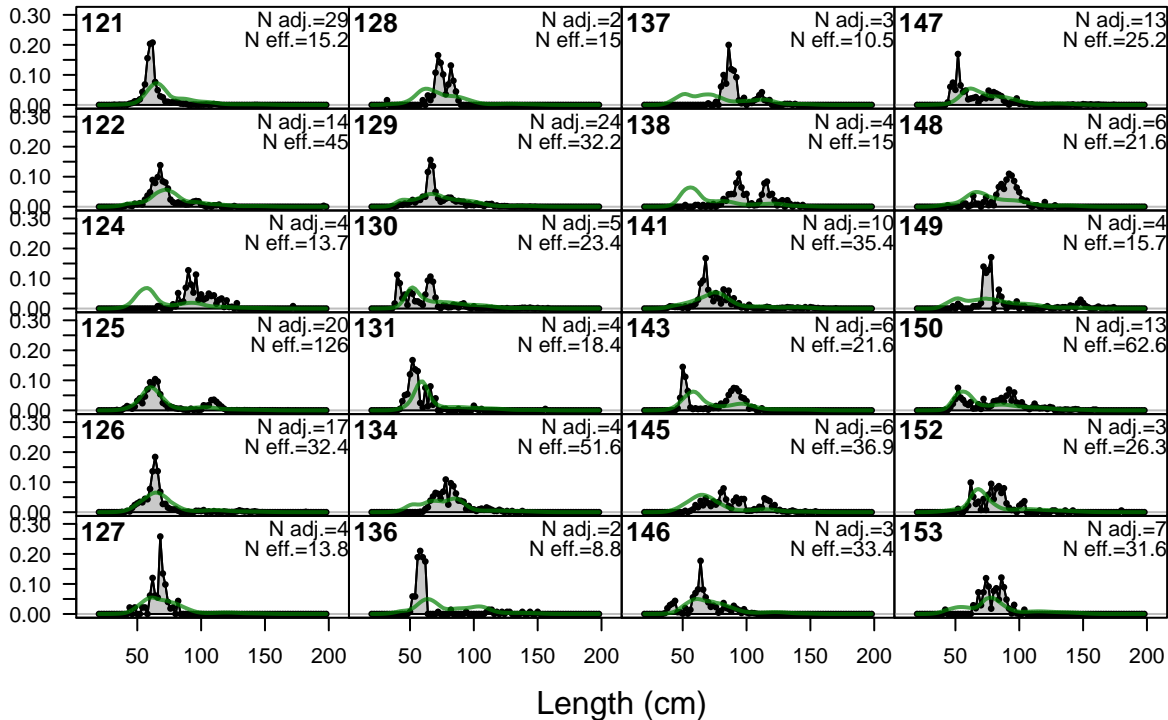
Proportion



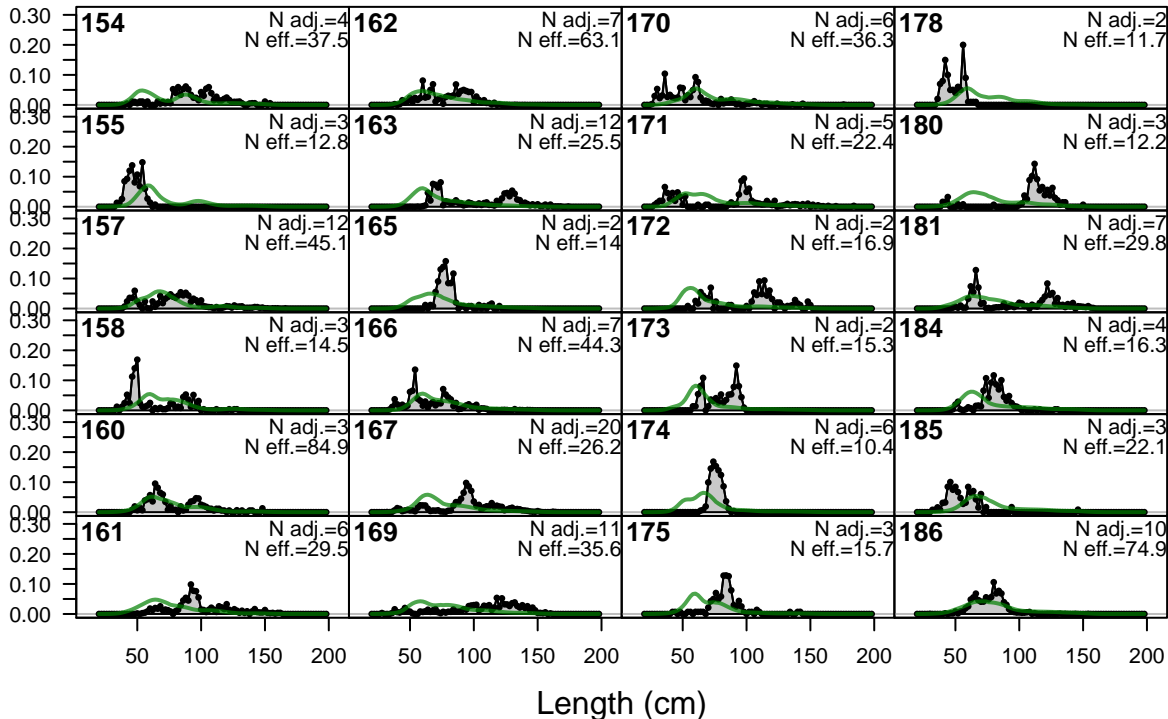
Proportion



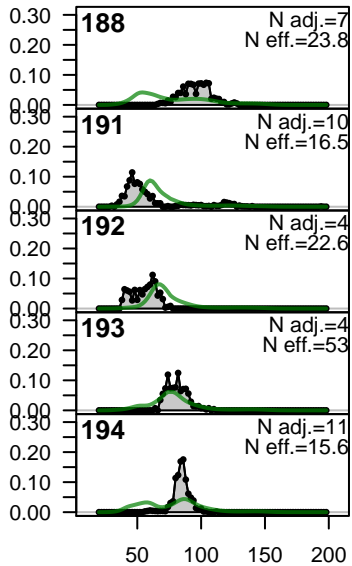
Proportion



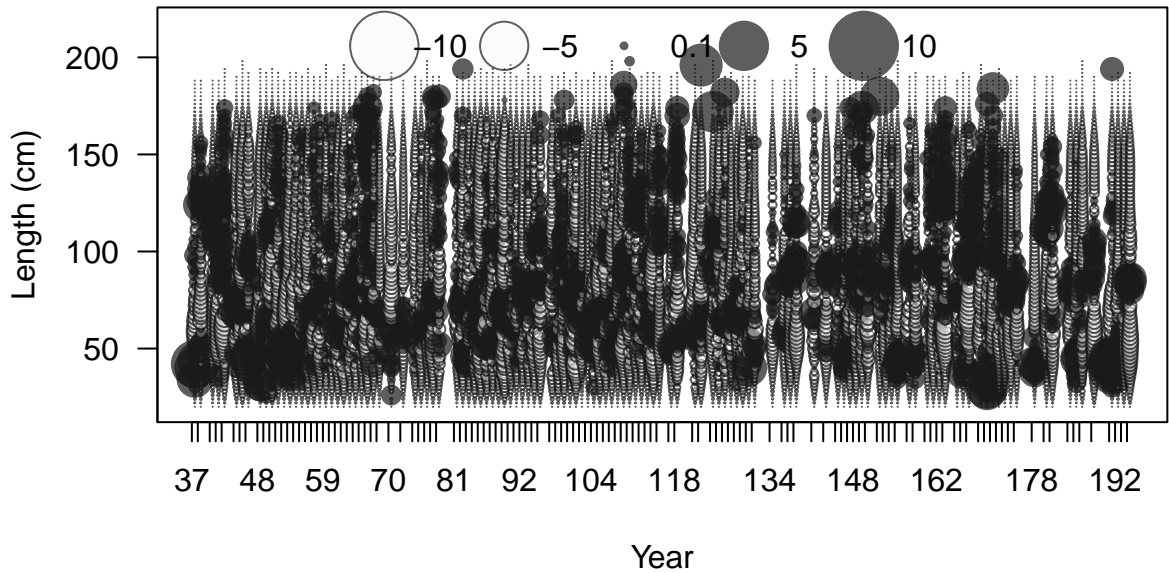
Proportion



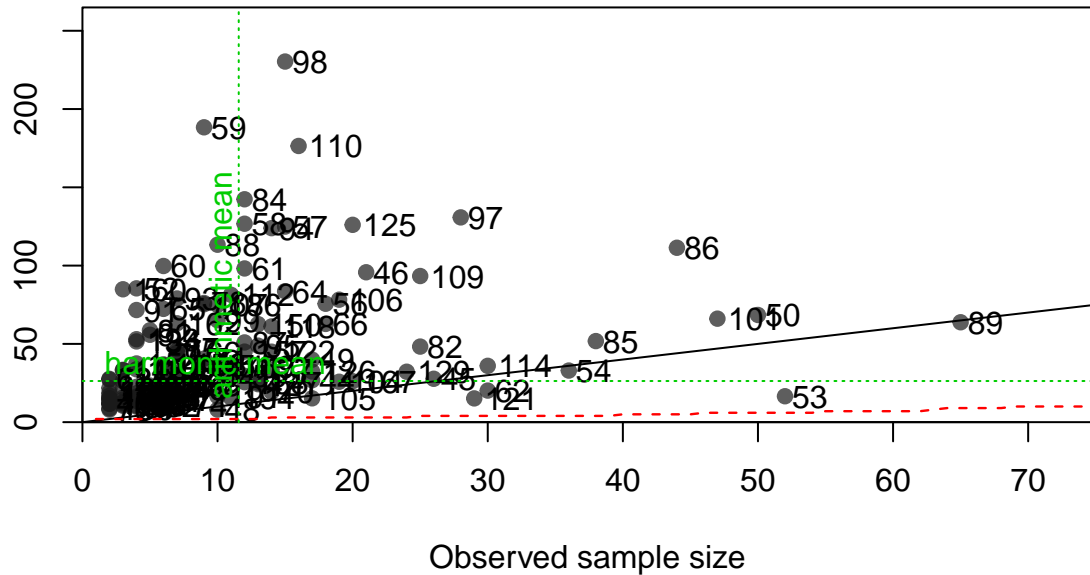
Proportion



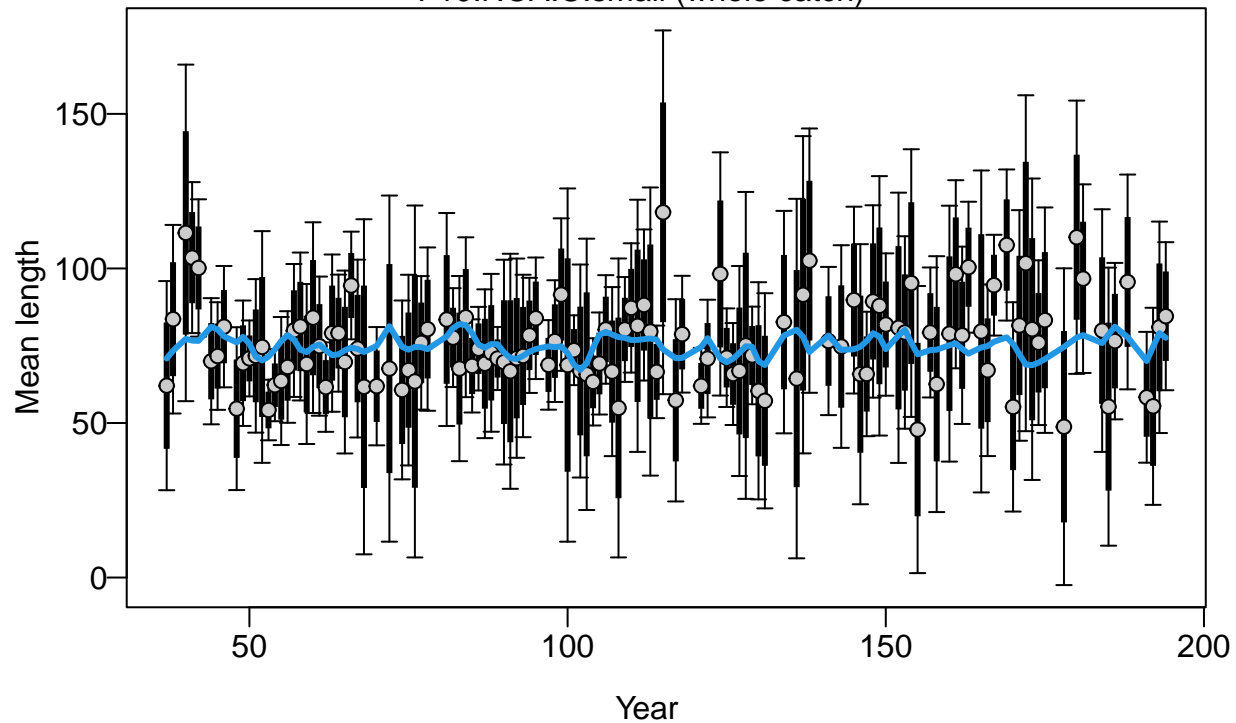
Length (cm)



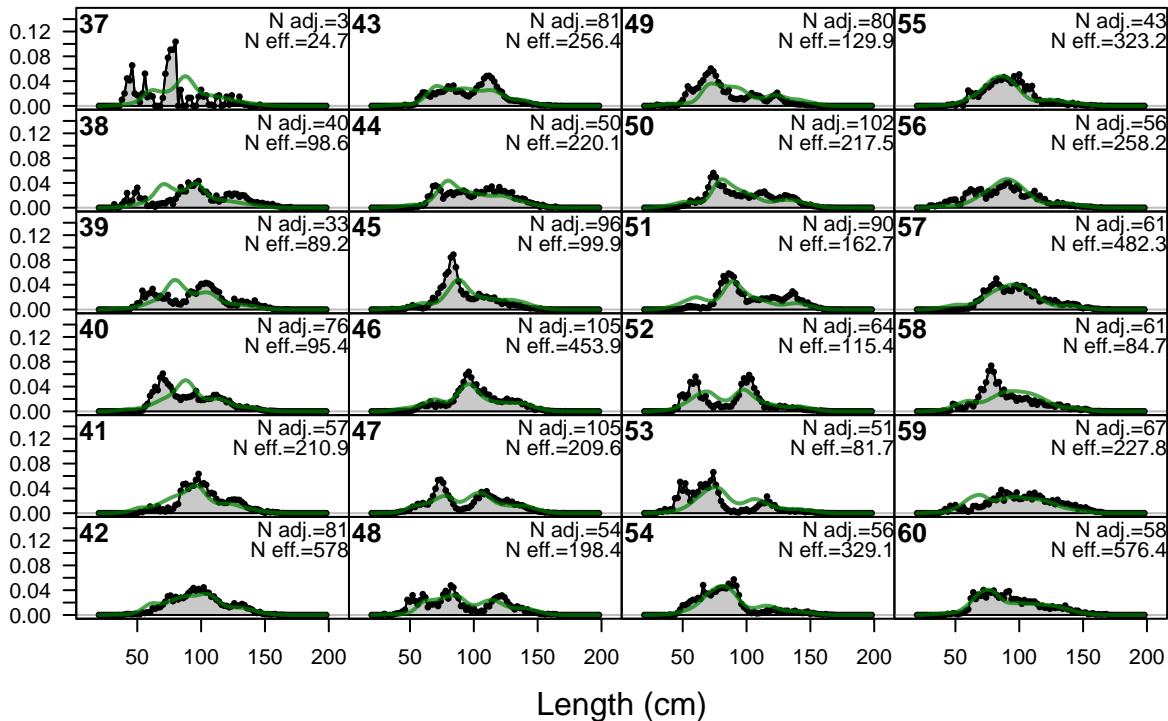
Effective sample size



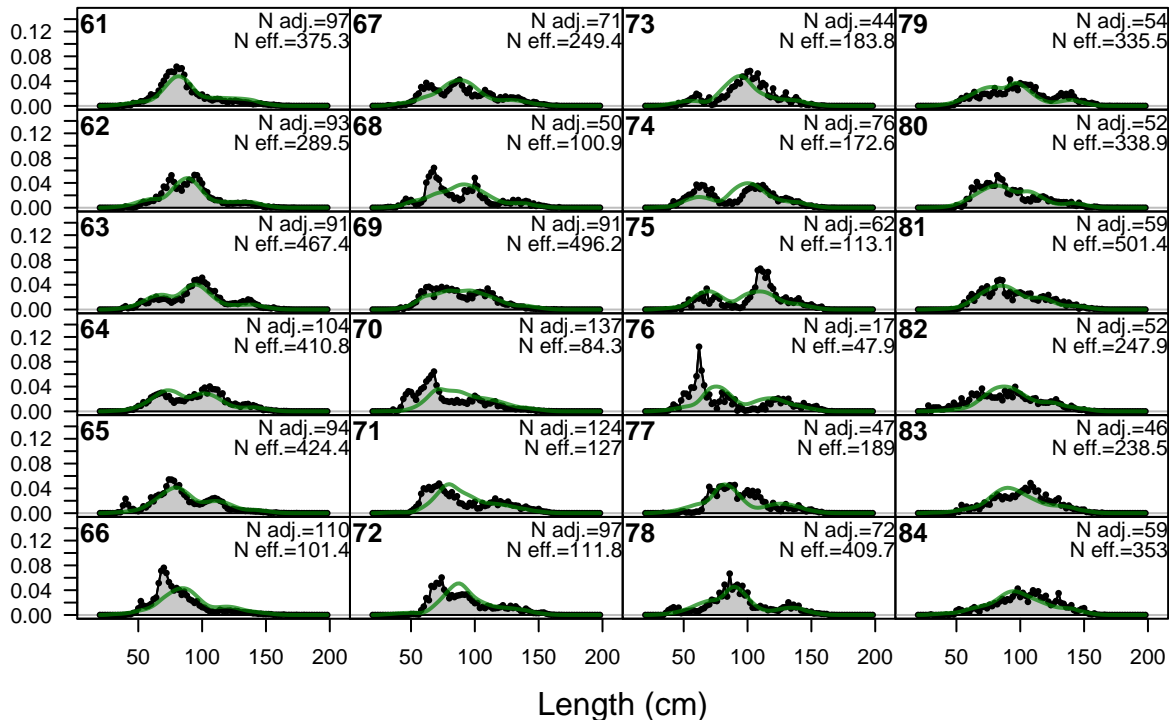
F10.NOA.C.small (whole catch)



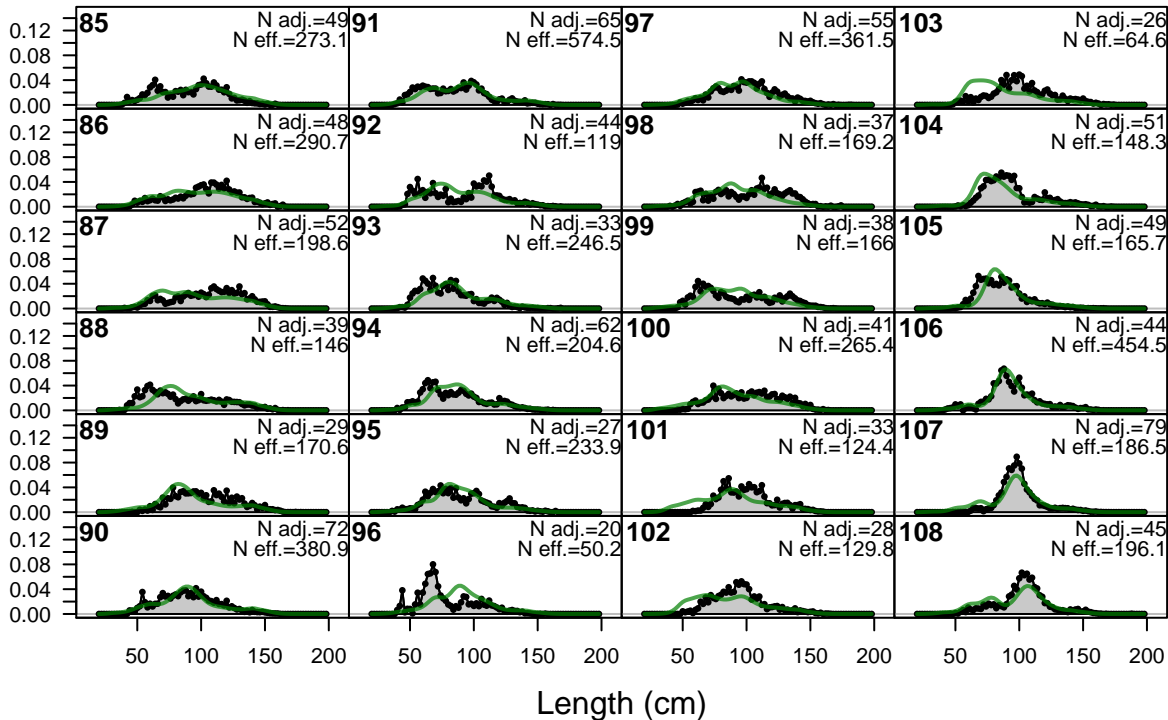
Proportion



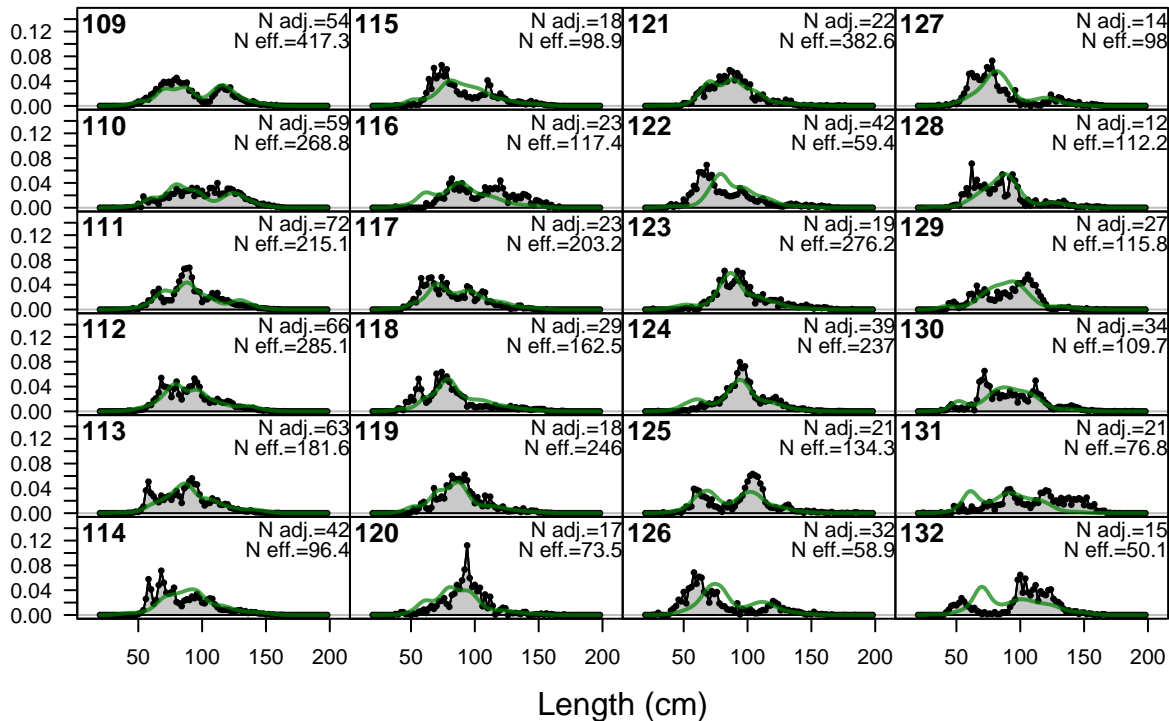
Proportion



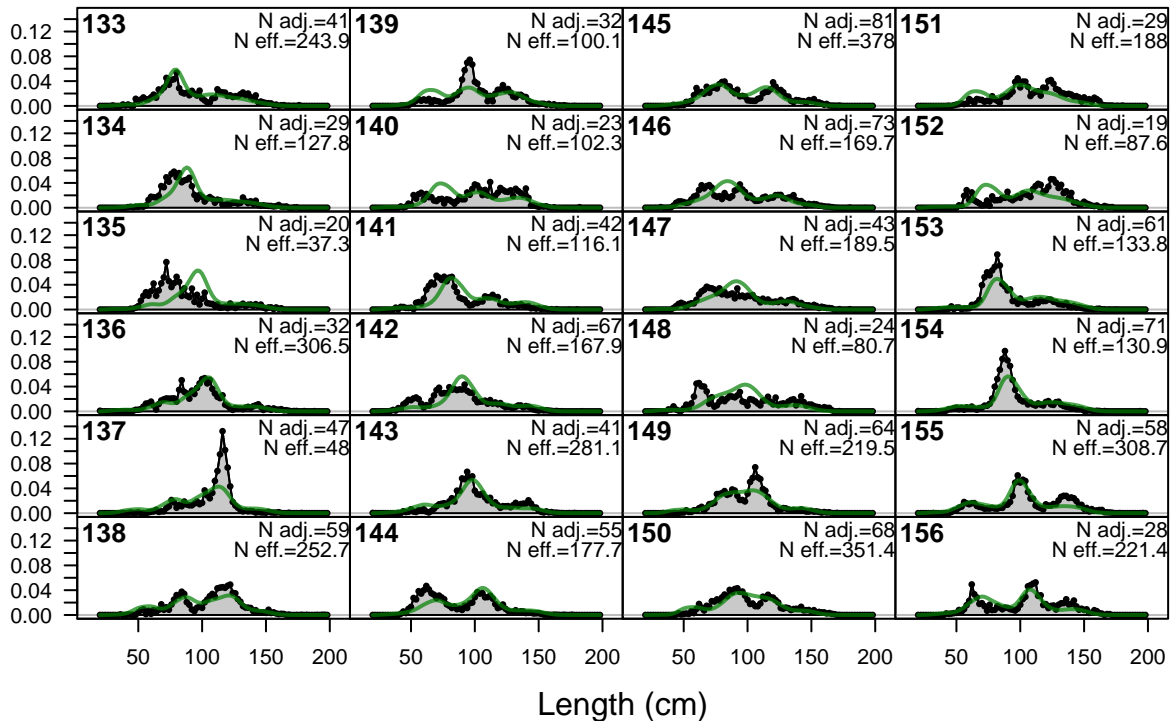
Proportion



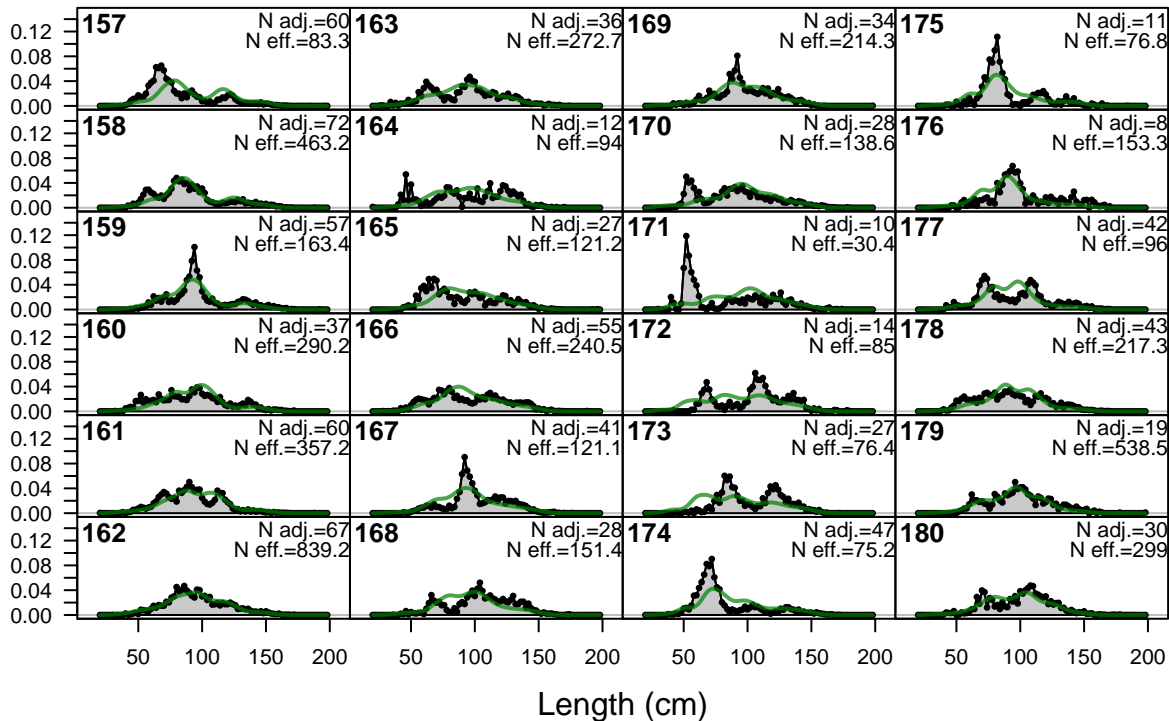
Proportion



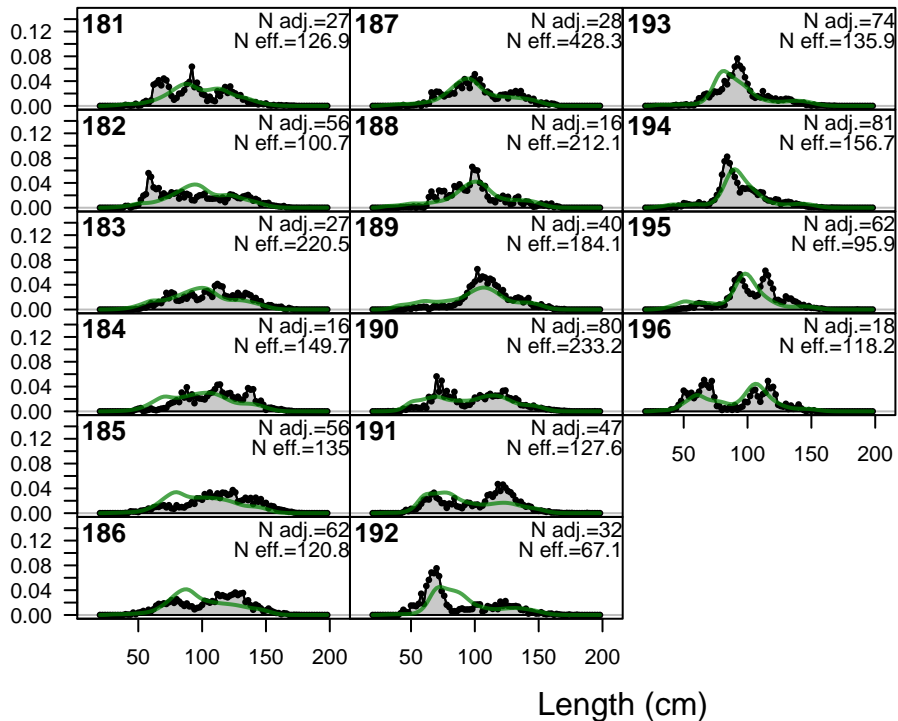
Proportion

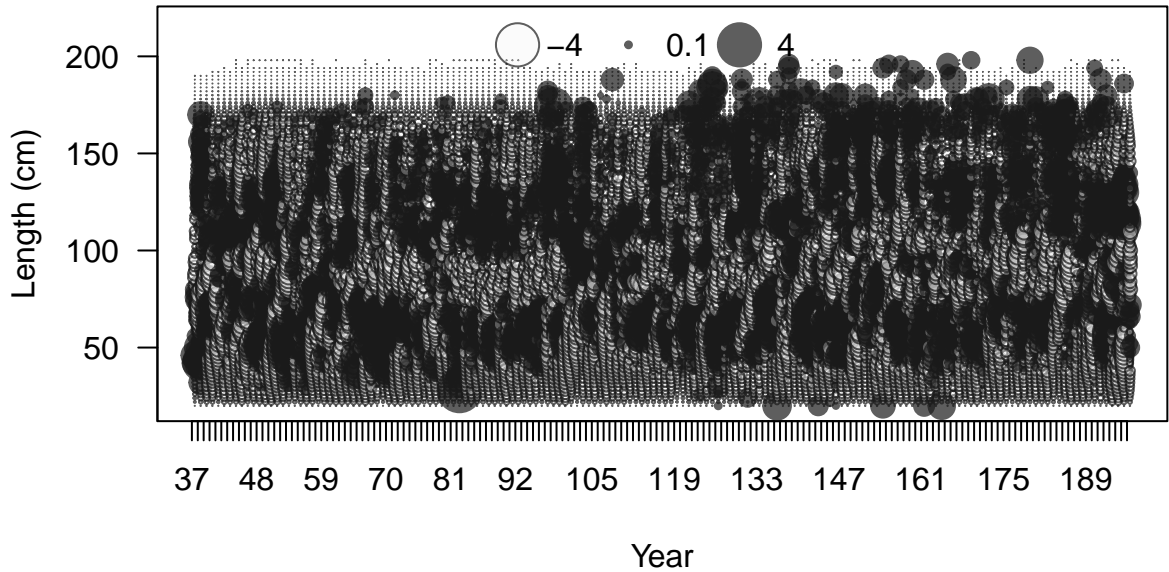


Proportion

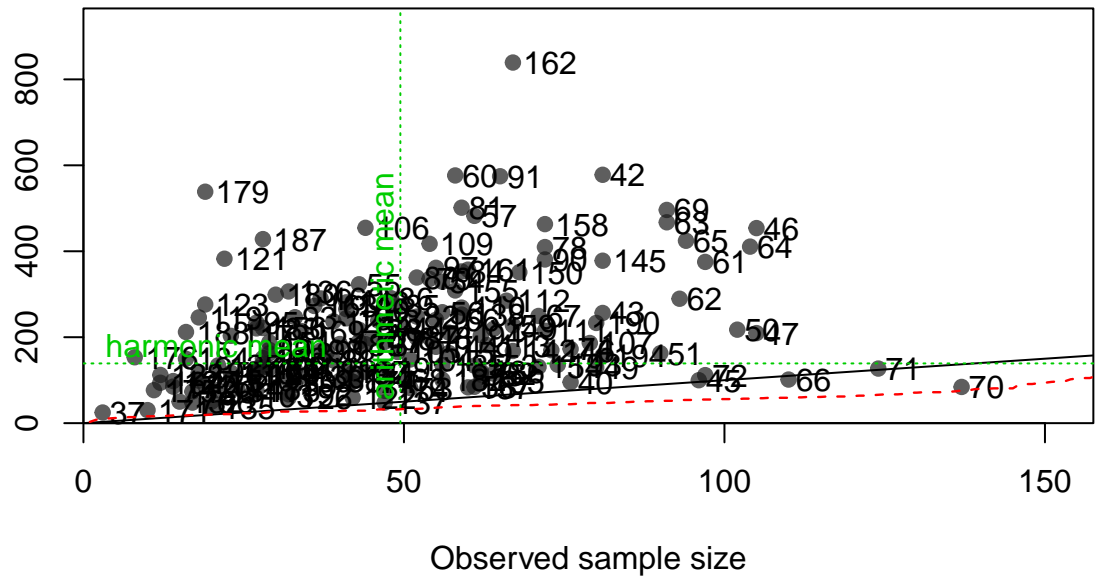


Proportion





Effective sample size

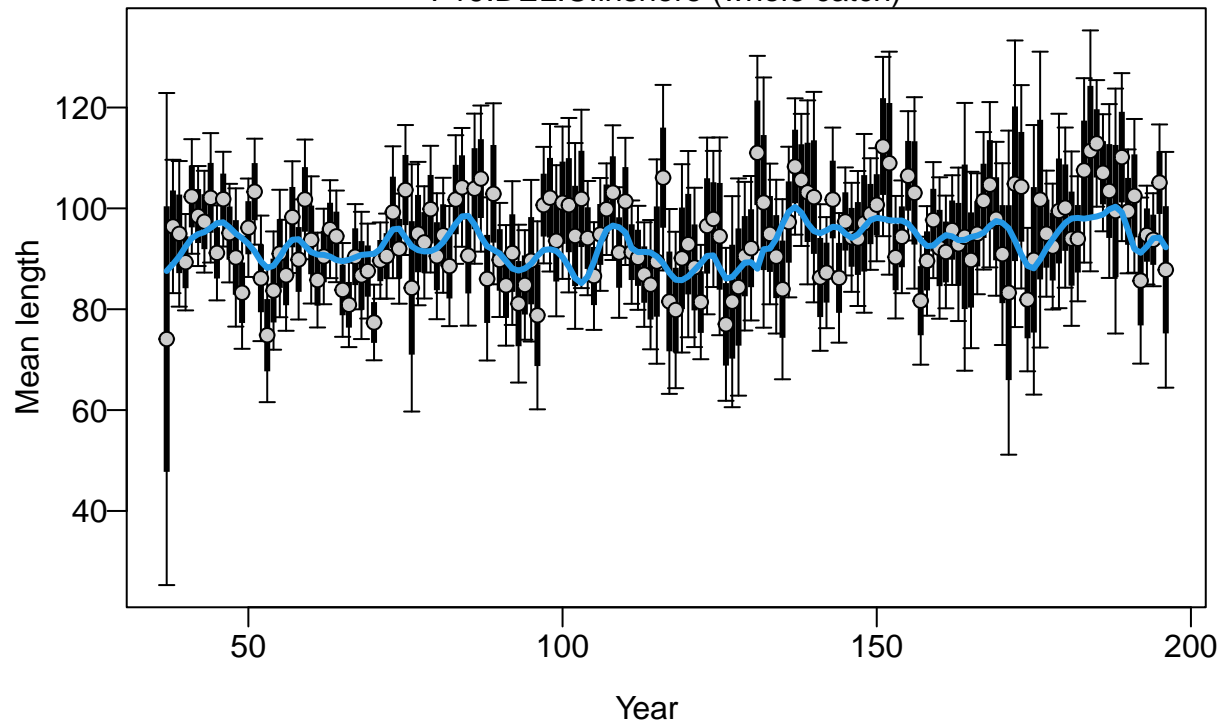


harmans mean

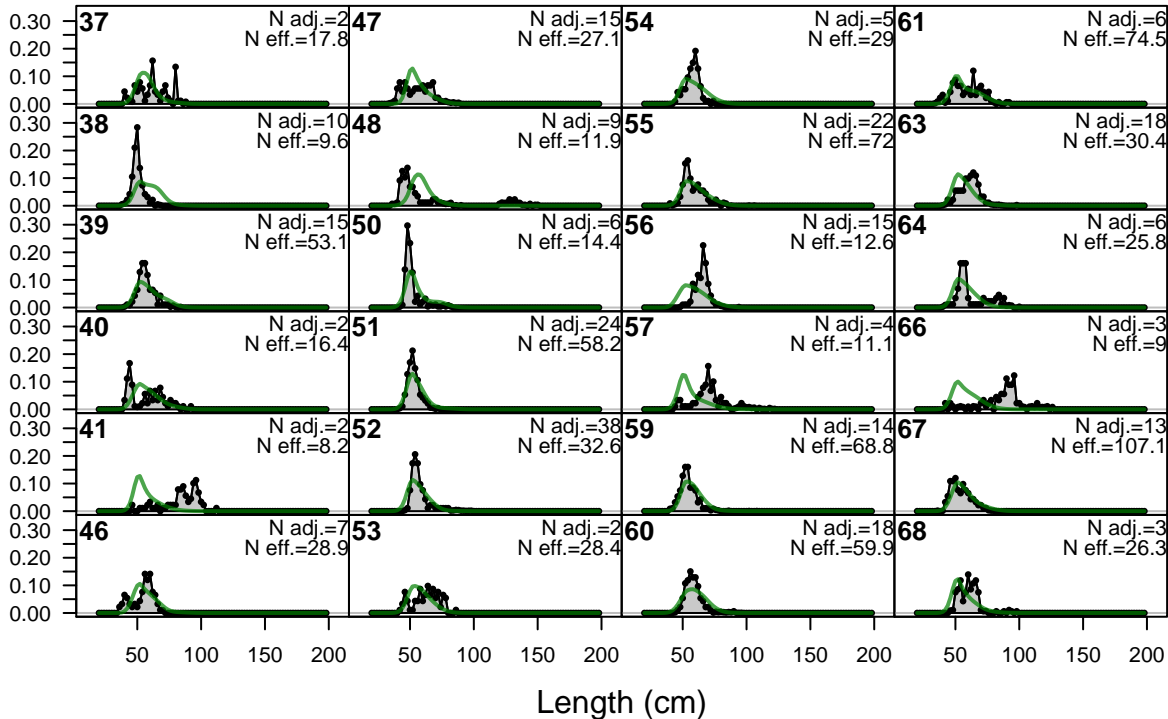
empiric mean

Observed sample size

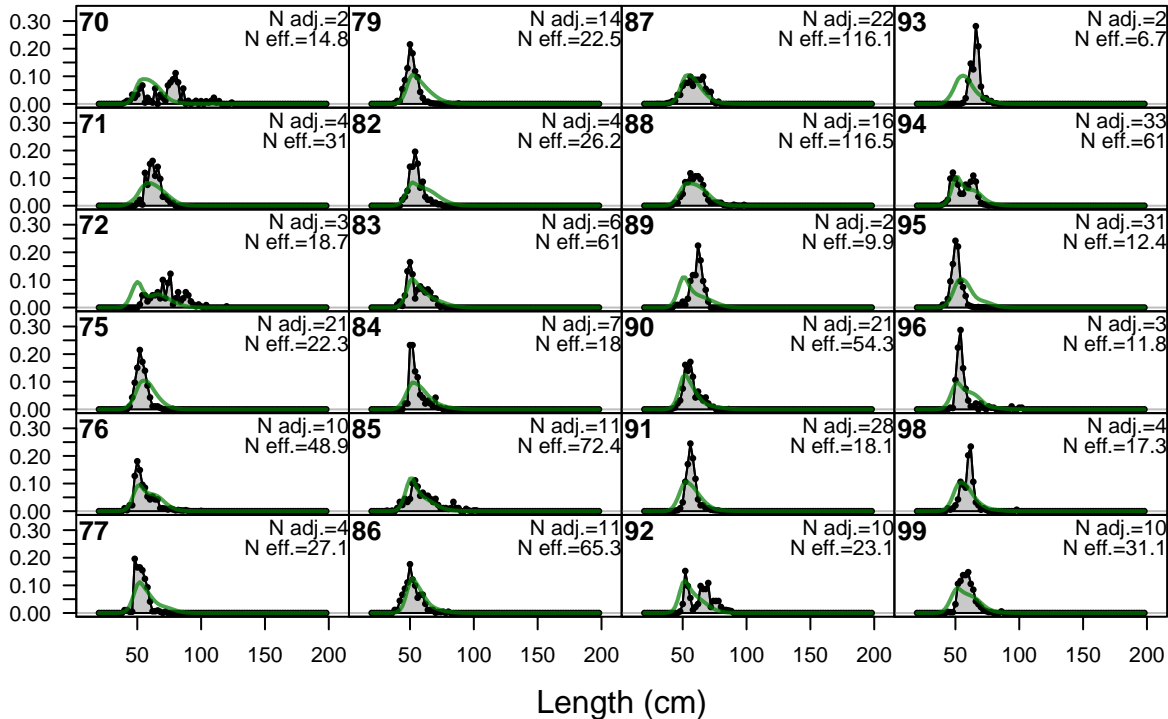
F19.DEL.C.inshore (whole catch)

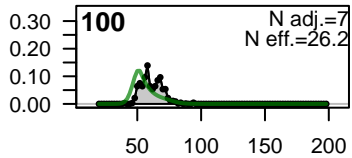


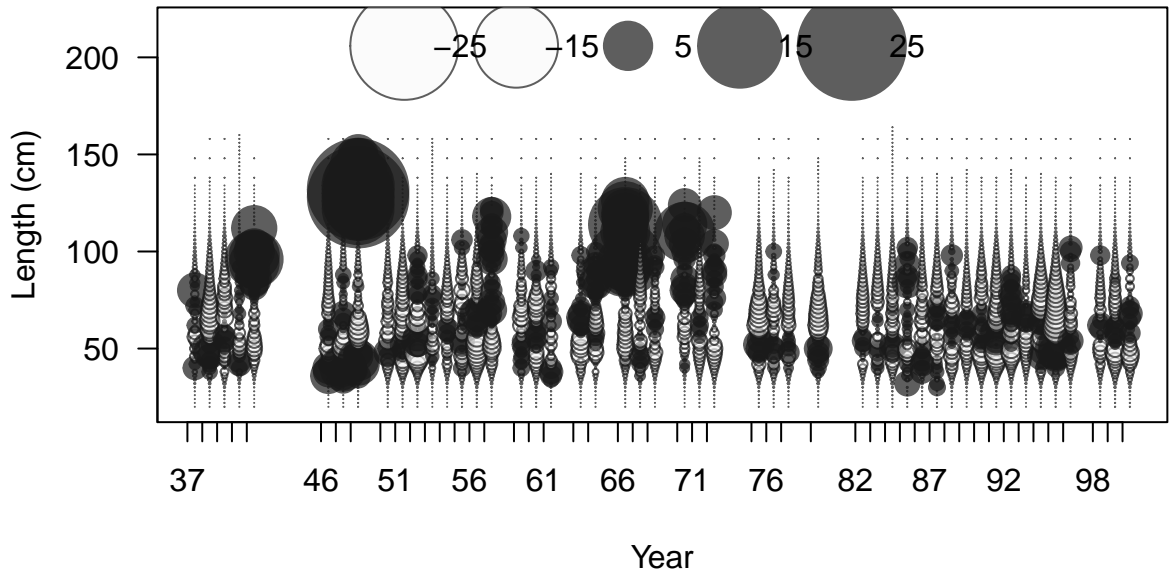
Proportion



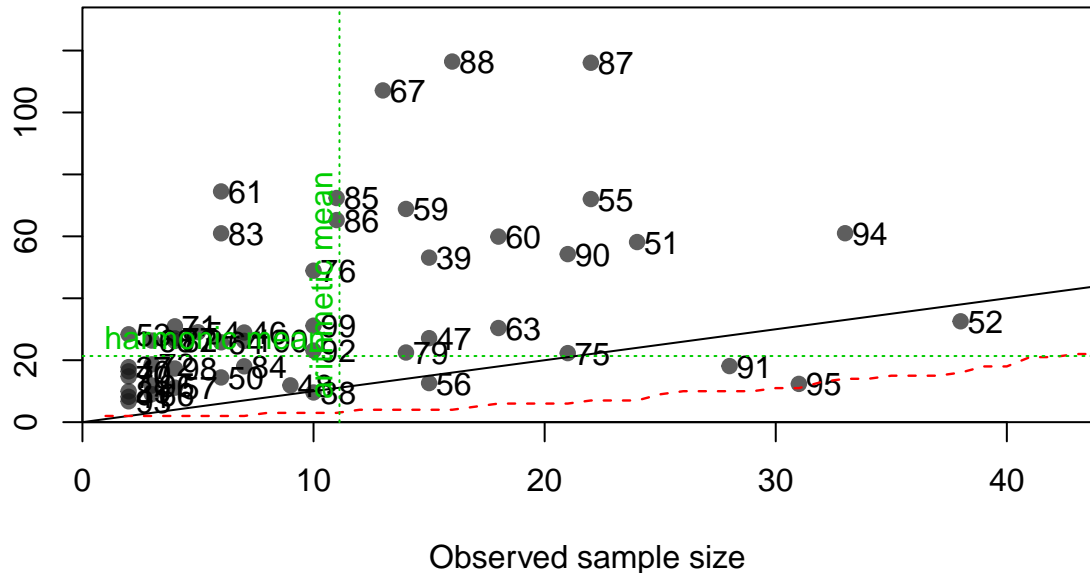
Proportion



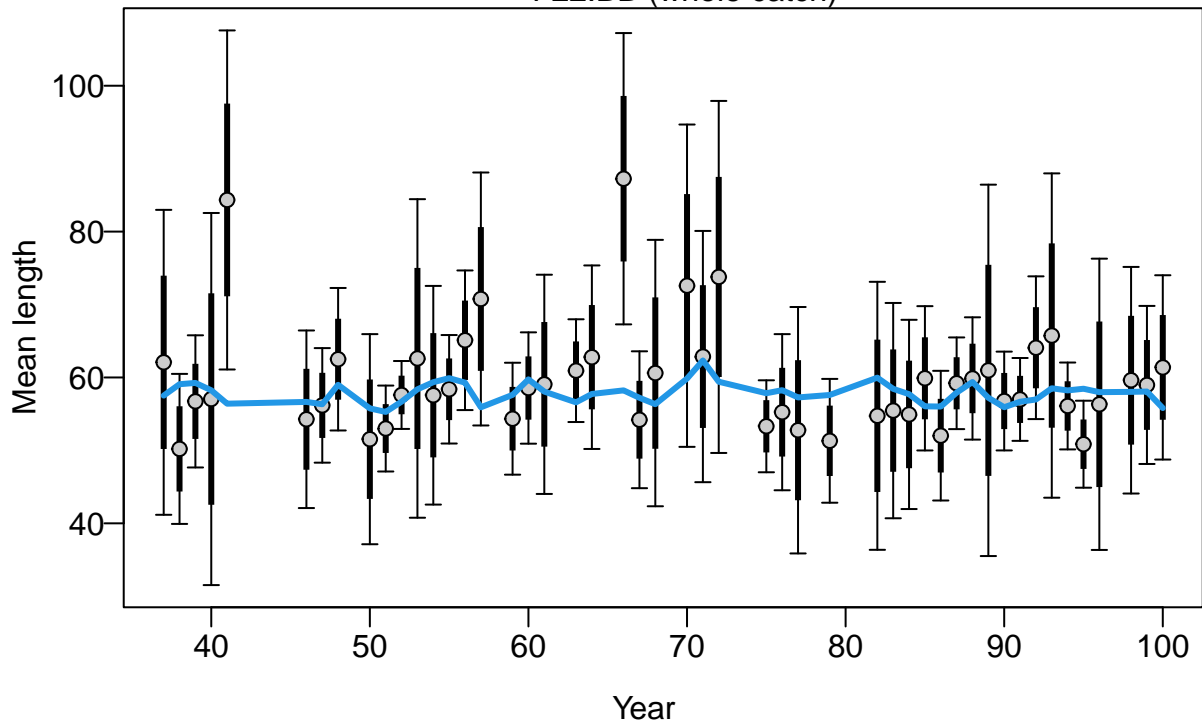


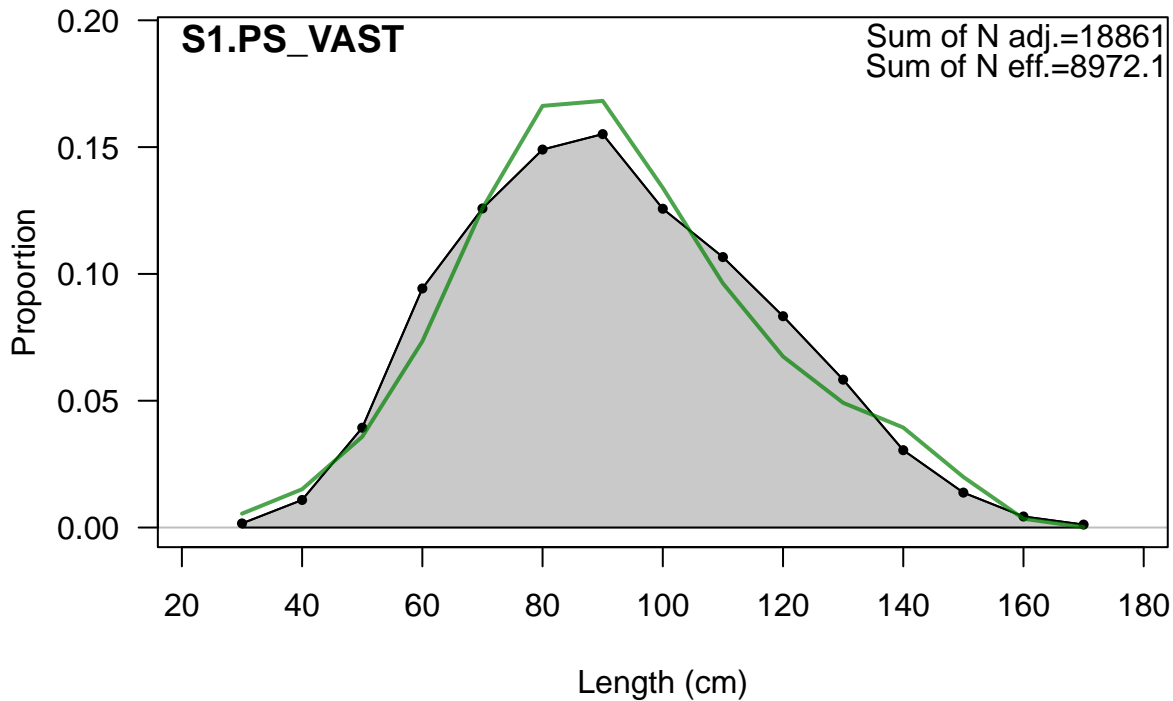


Effective sample size

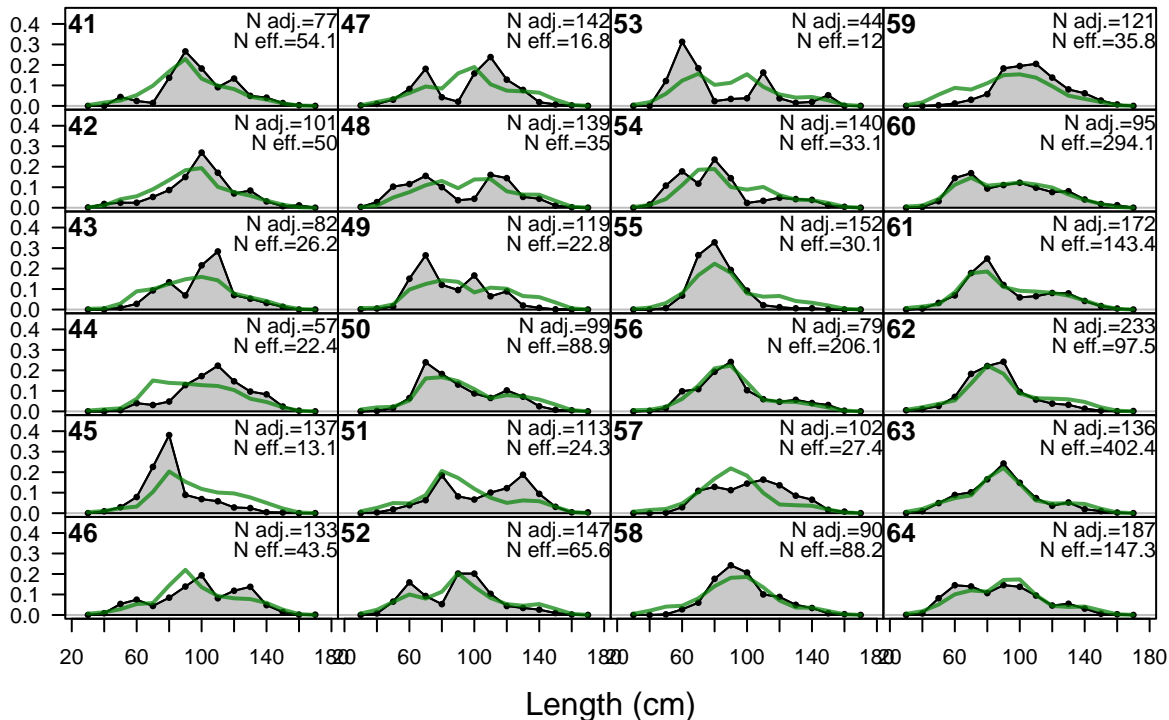


F22.BB (whole catch)

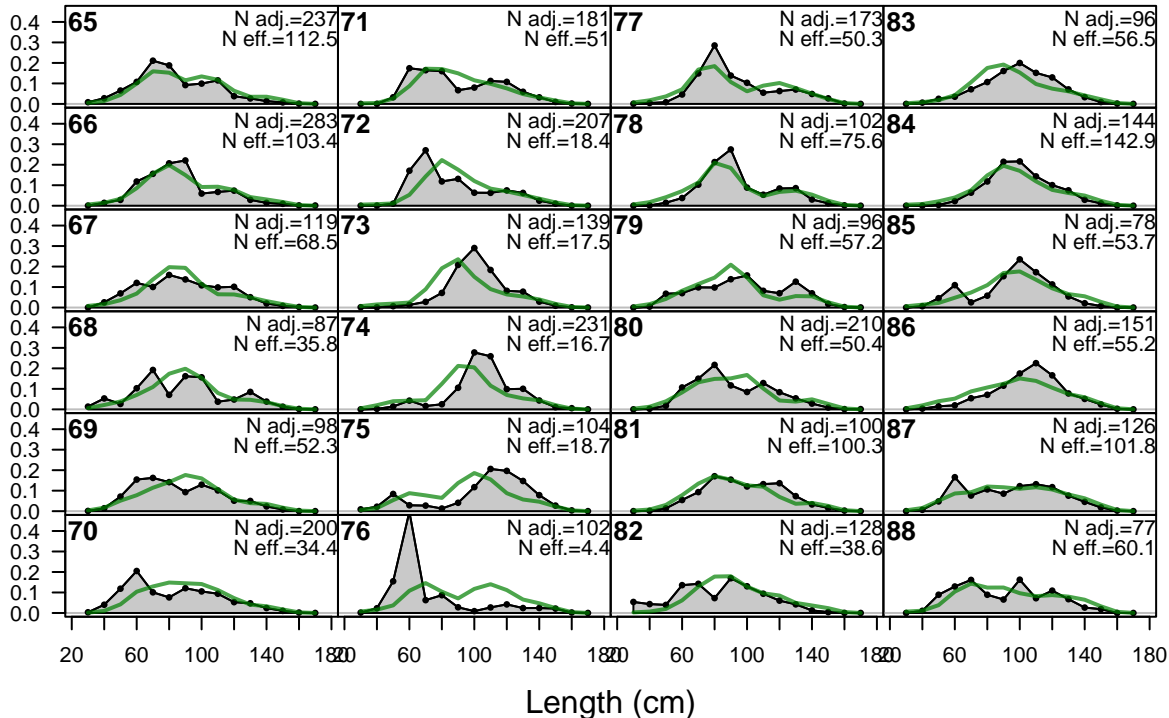




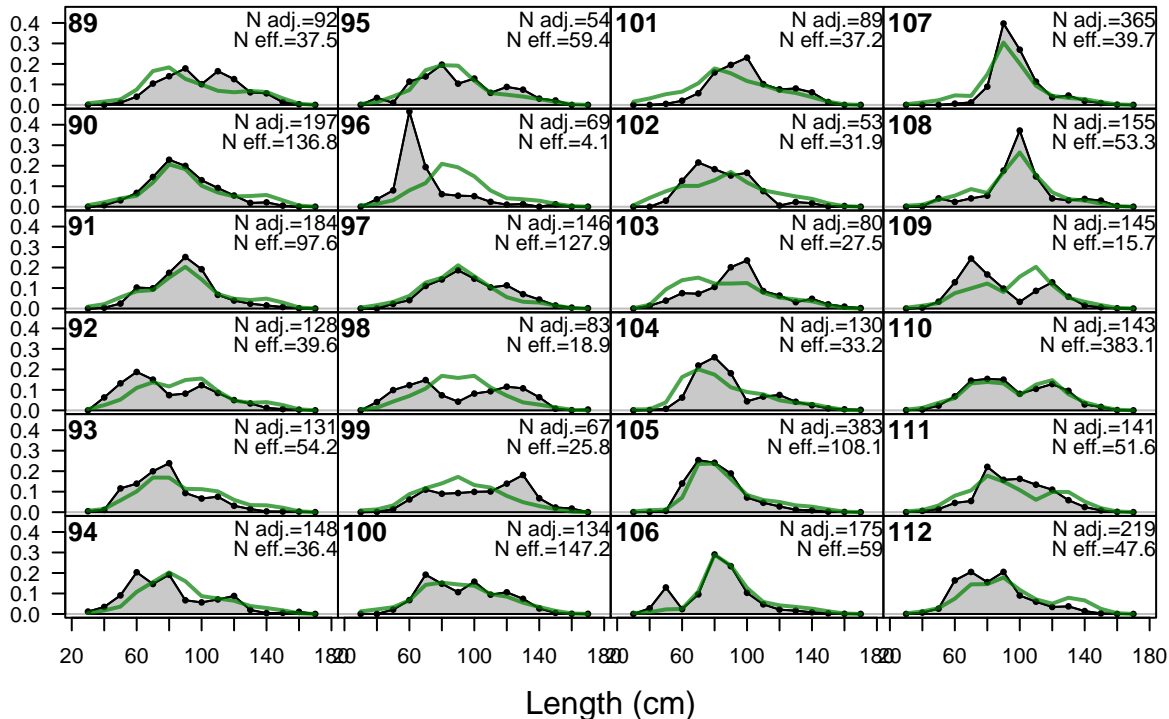
Proportion



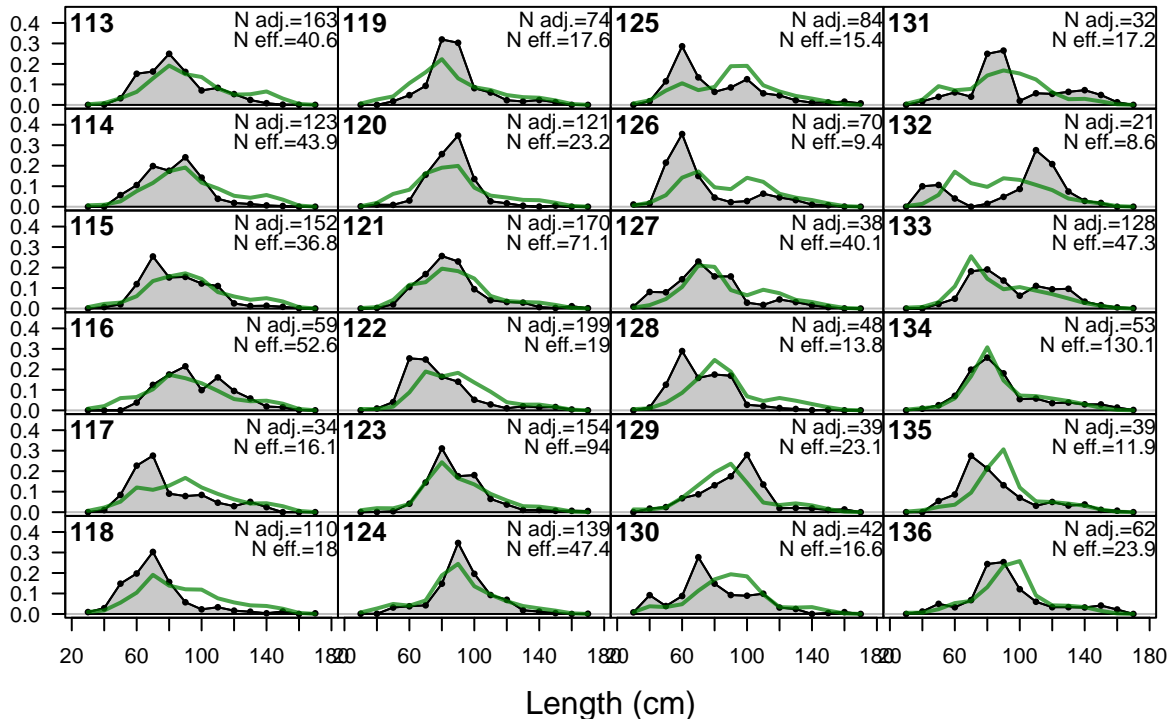
Proportion



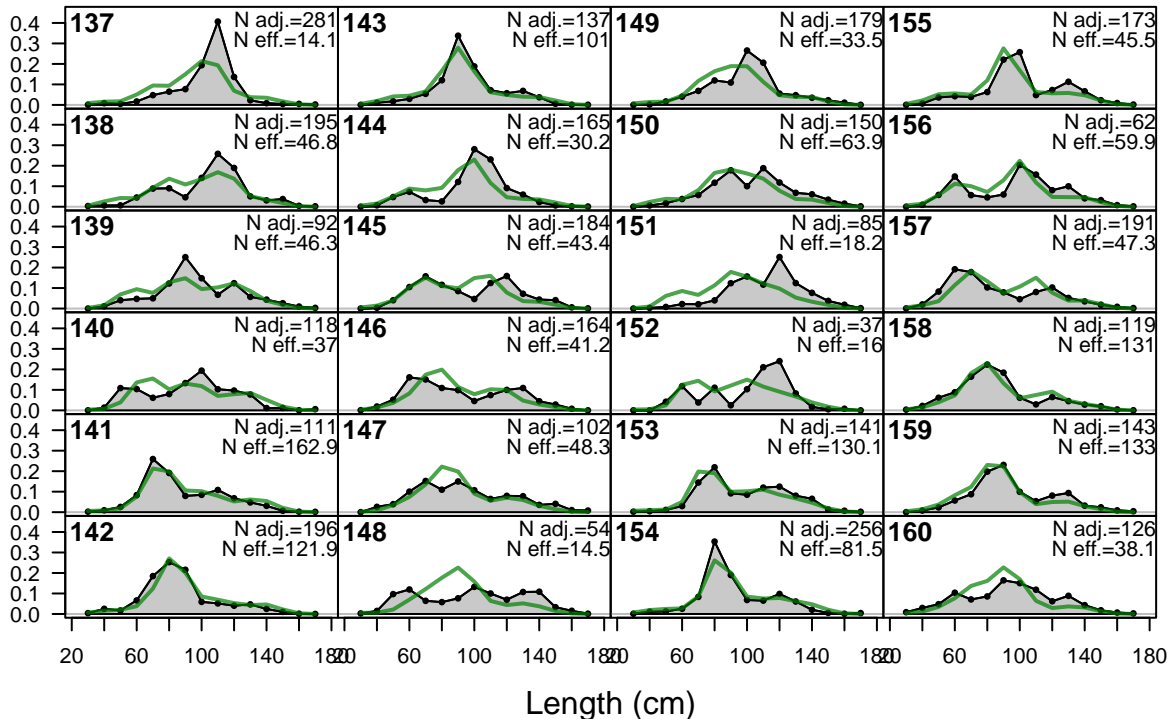
Proportion



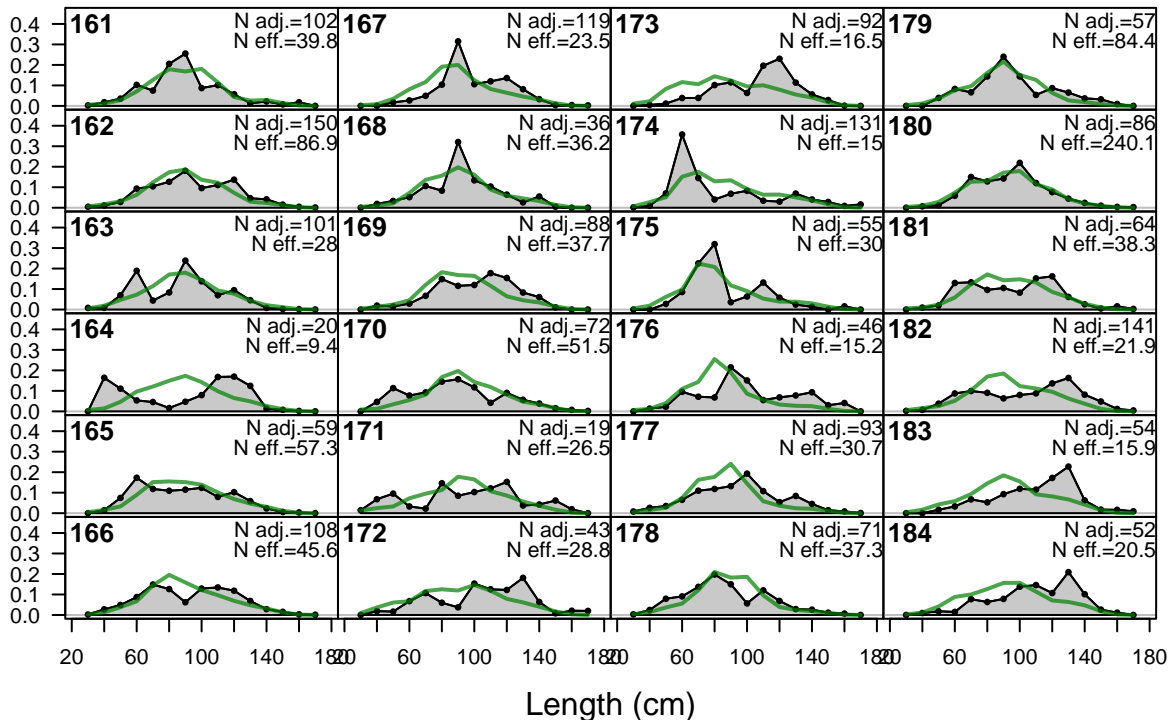
Proportion



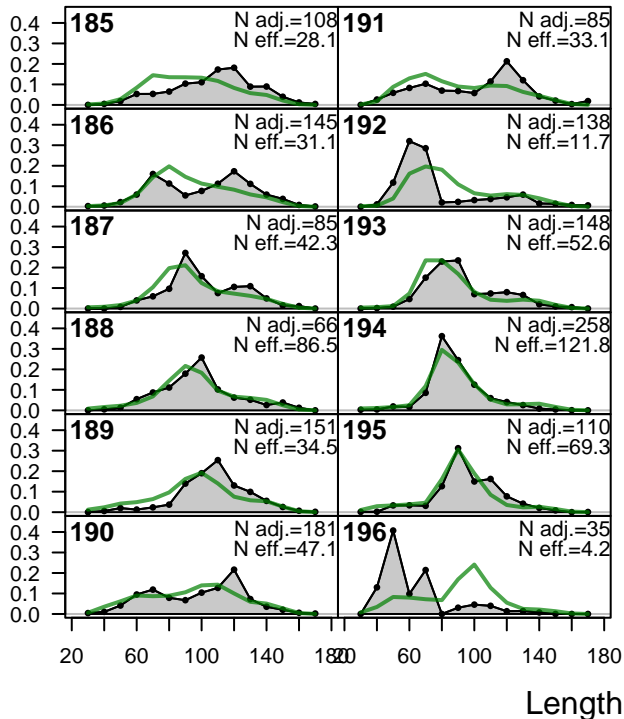
Proportion

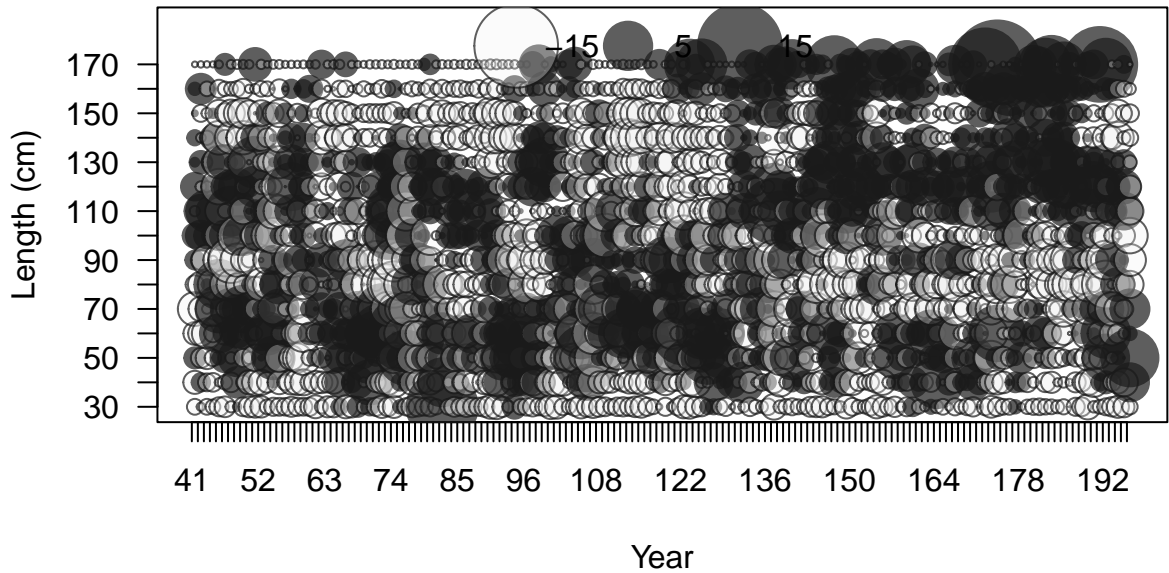


Proportion

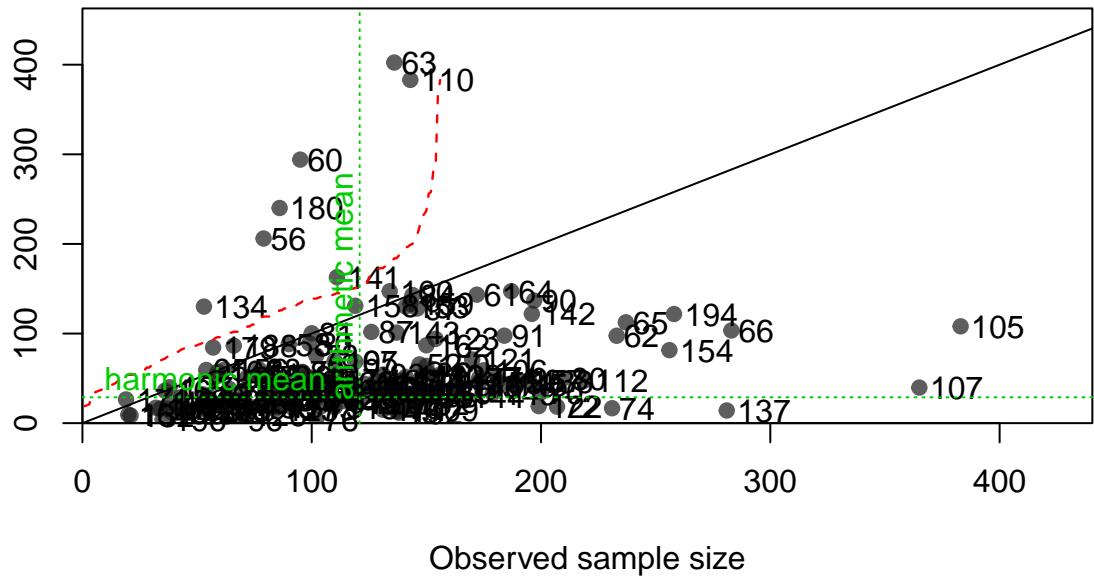


Proportion

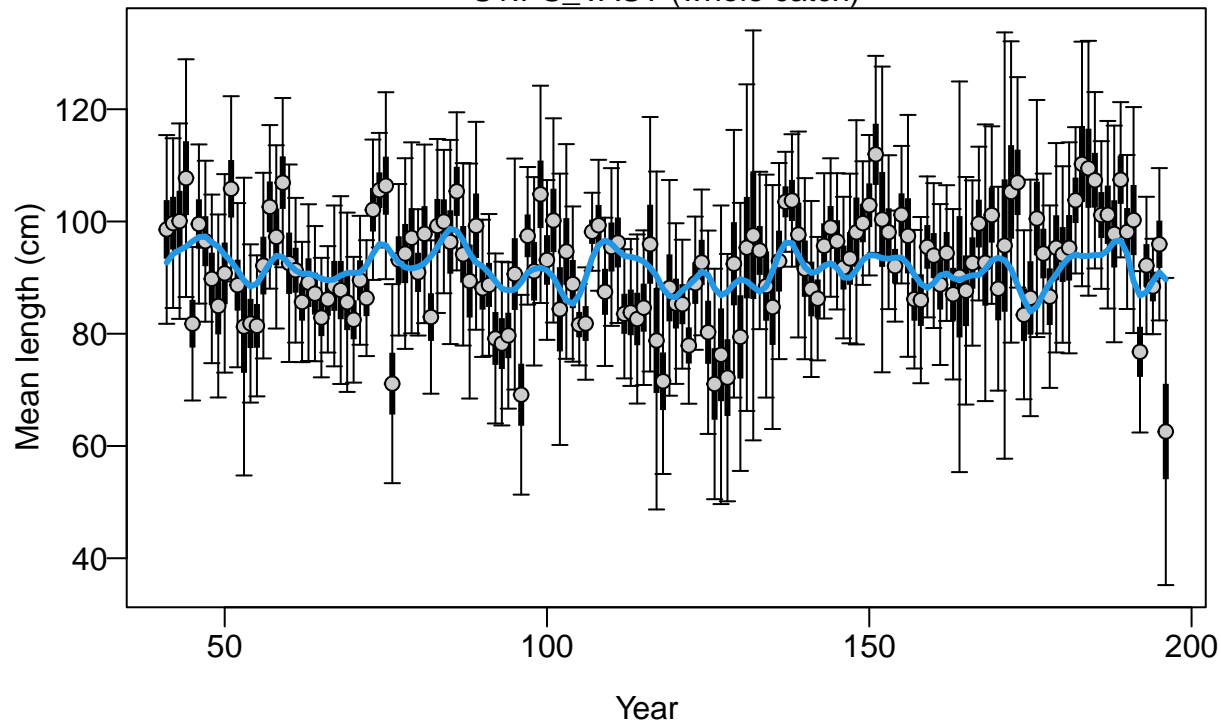


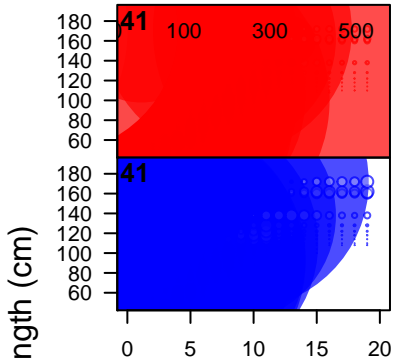


Effective sample size

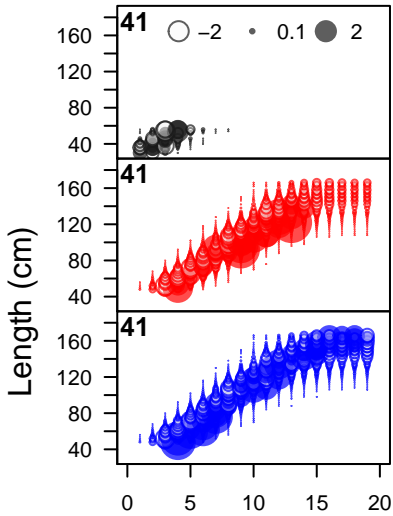


S1.PS_VAST (whole catch)

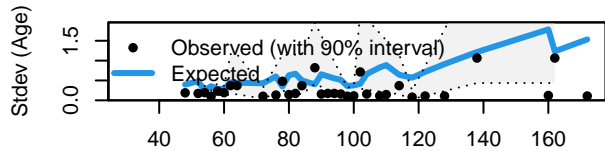
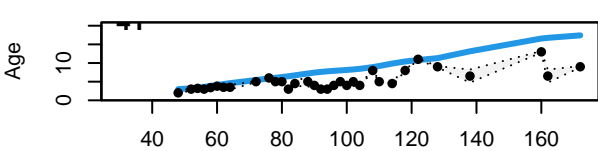




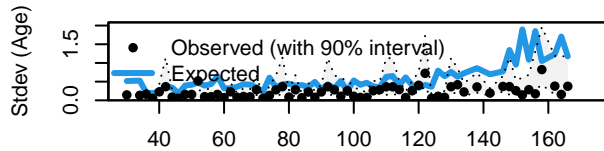
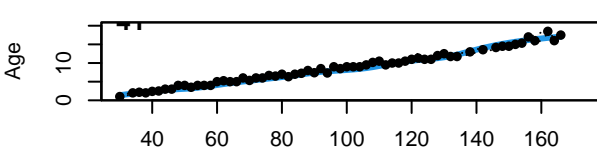
Age (yr)



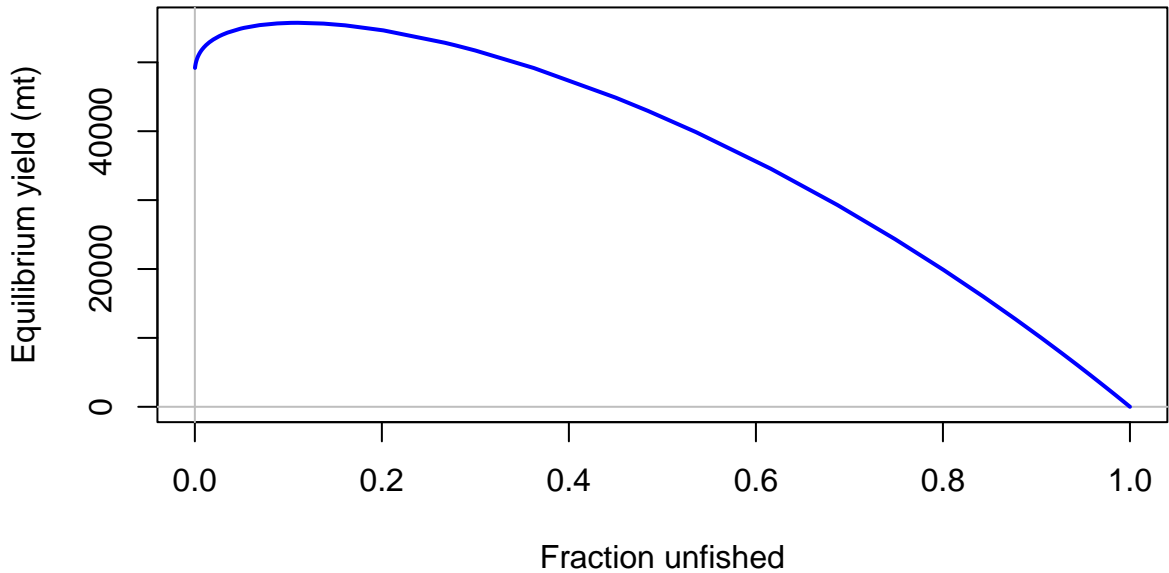
Age (yr)

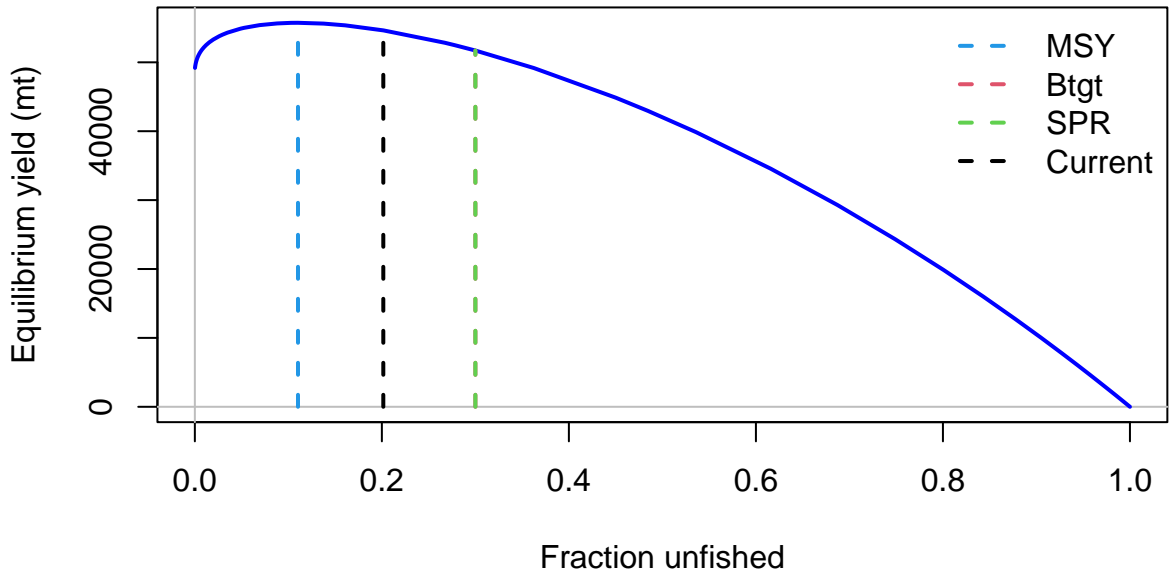


Length (cm)

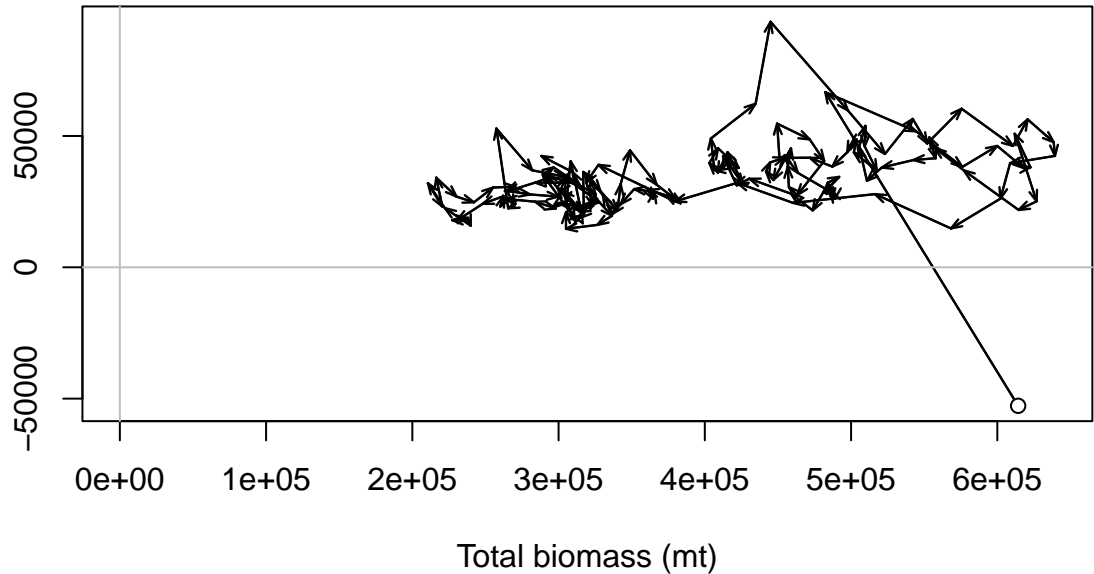


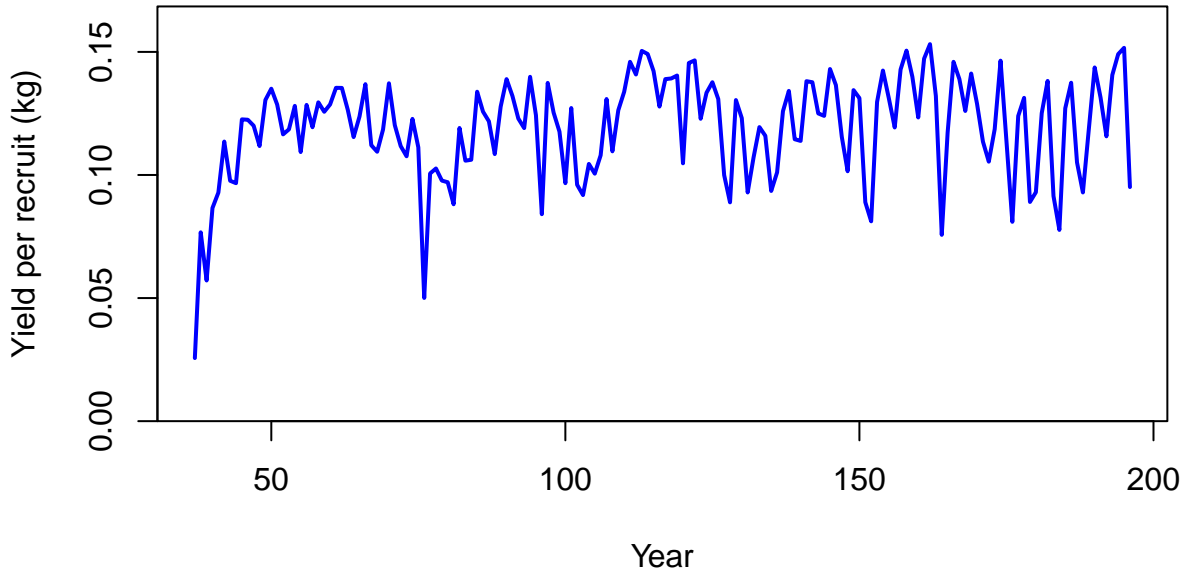
Length (cm)

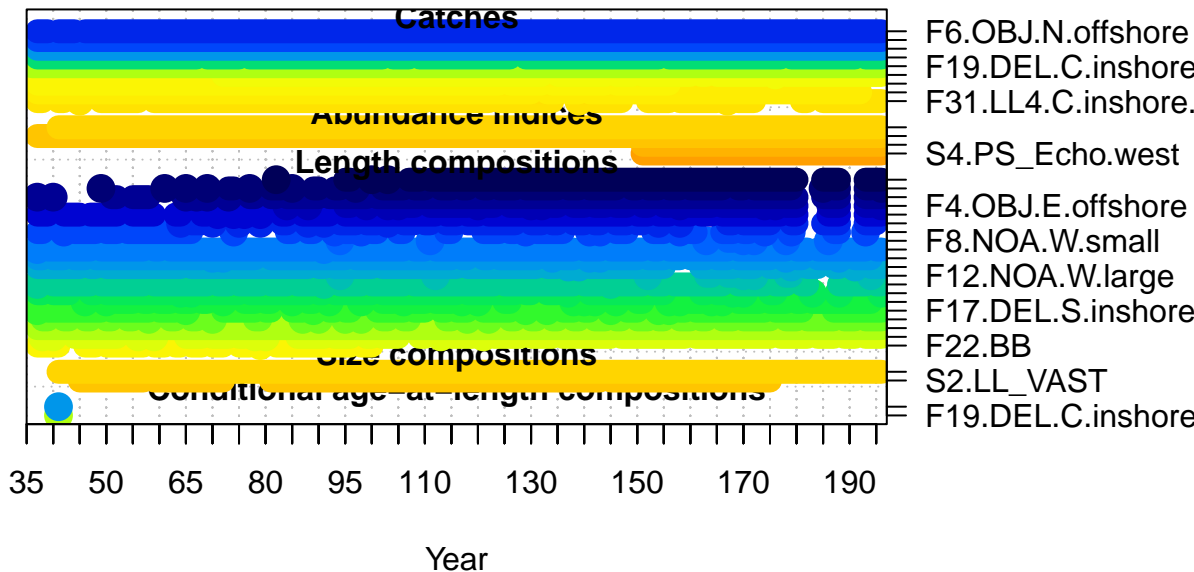


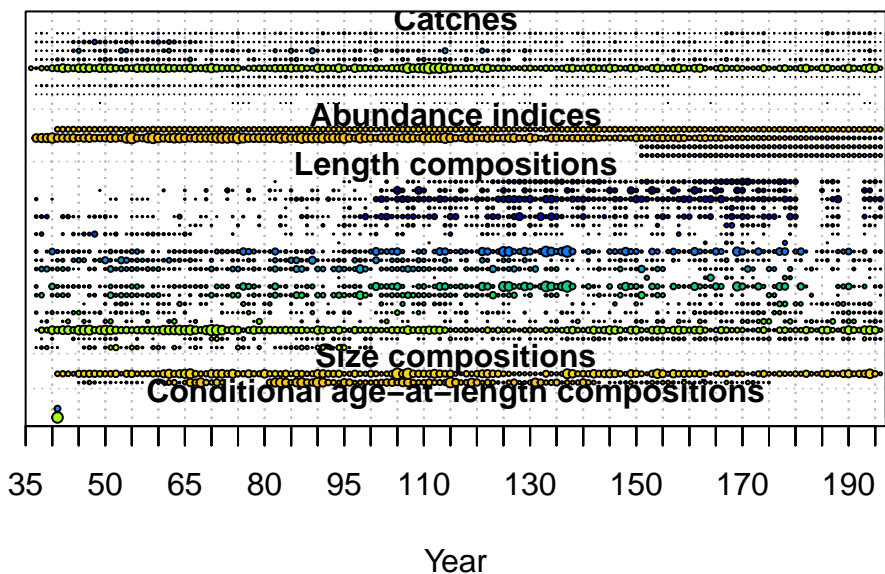


Surplus production (mt)









F6.OBJ.N.offshore

F19.DEL.C.inshore

F31.LL4.C.inshore

S4.PS_Echo.west

F4.OBJ.E.offshore

F8.NOA.W.small

F12.NOA.W.large

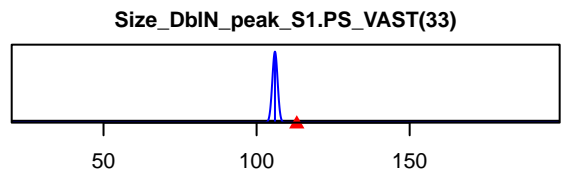
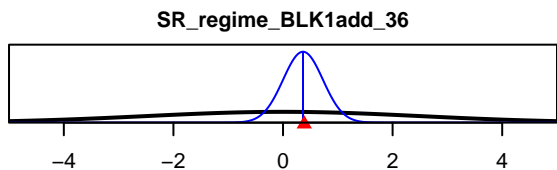
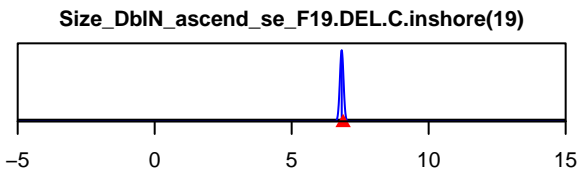
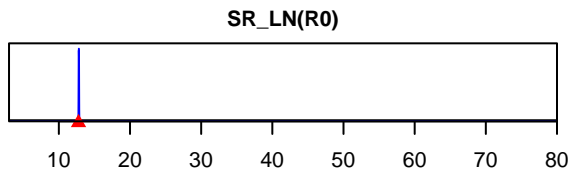
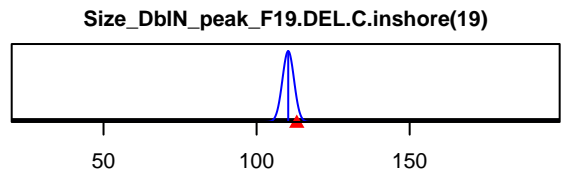
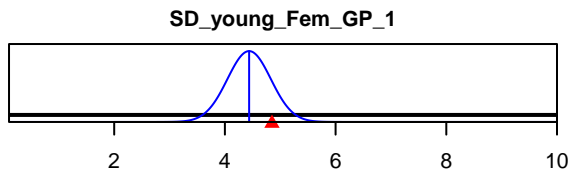
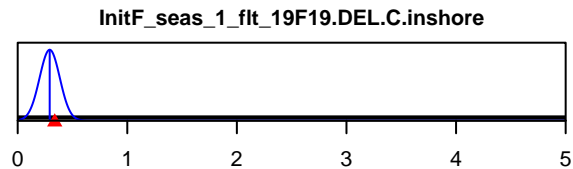
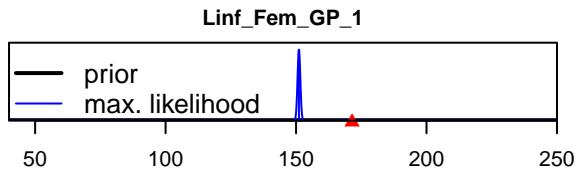
F17.DEL.S.inshore

F22.BB

S2.LL_VAST

F19.DEL.C.inshore

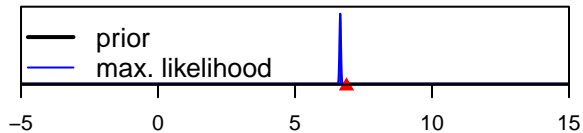
Density



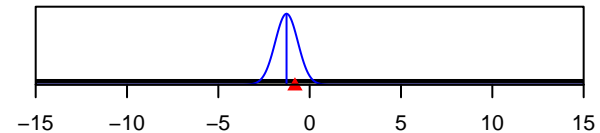
Parameter value

Density

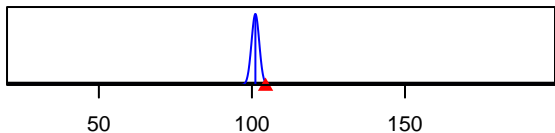
Size_DbIN_ascend_se_S1.PS_VAST(33)



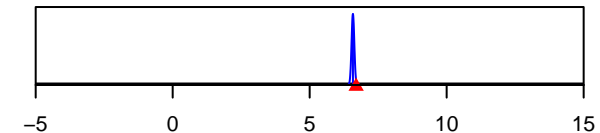
Size_DbIN_top_logit_F19.DEL.C.inshore(19)_BLK2repl_111



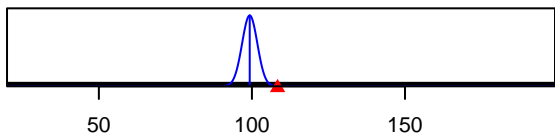
Size_DbIN_peak_F19.DEL.C.inshore(19)_BLK2repl_36



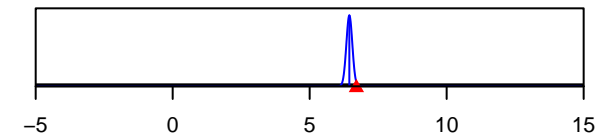
Size_DbIN_ascend_se_F19.DEL.C.inshore(19)_BLK2repl_36



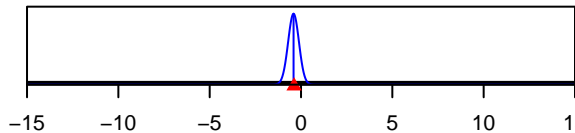
Size_DbIN_peak_F19.DEL.C.inshore(19)_BLK2repl_111



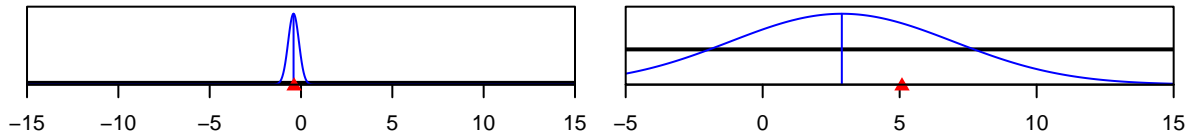
Size_DbIN_ascend_se_F19.DEL.C.inshore(19)_BLK2repl_111



Size_DbIN_top_logit_F19.DEL.C.inshore(19)_BLK2repl_36

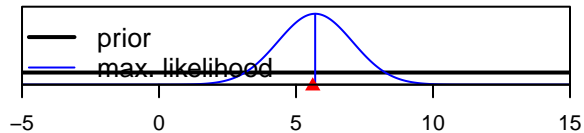


Size_DbIN_descend_se_F19.DEL.C.inshore(19)_BLK2repl_36

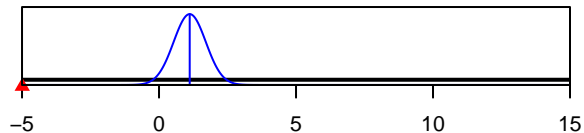


Parameter value

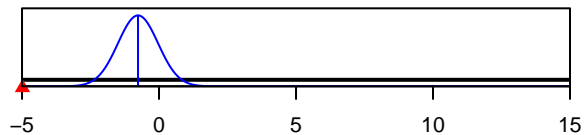
ize_DbIN_descend_se_F19.DEL.C.inshore(19)_BLK2repl_11



Size_DbIN_end_logit_F19.DEL.C.inshore(19)_BLK2repl_36



Size_DbIN_end_logit_F19.DEL.C.inshore(19)_BLK2repl_111



Parameter value