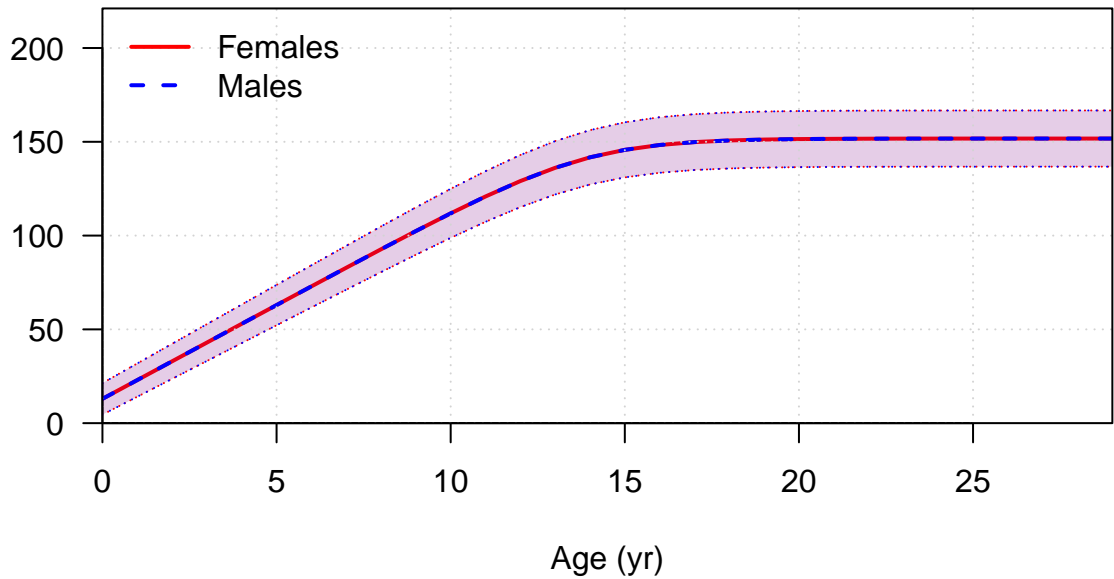
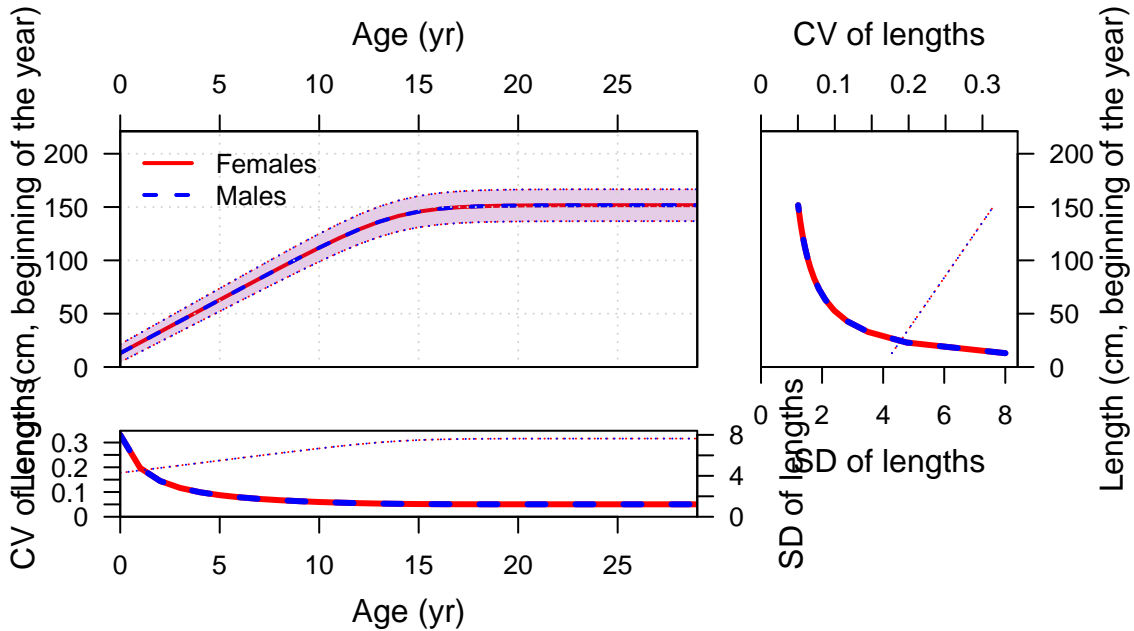
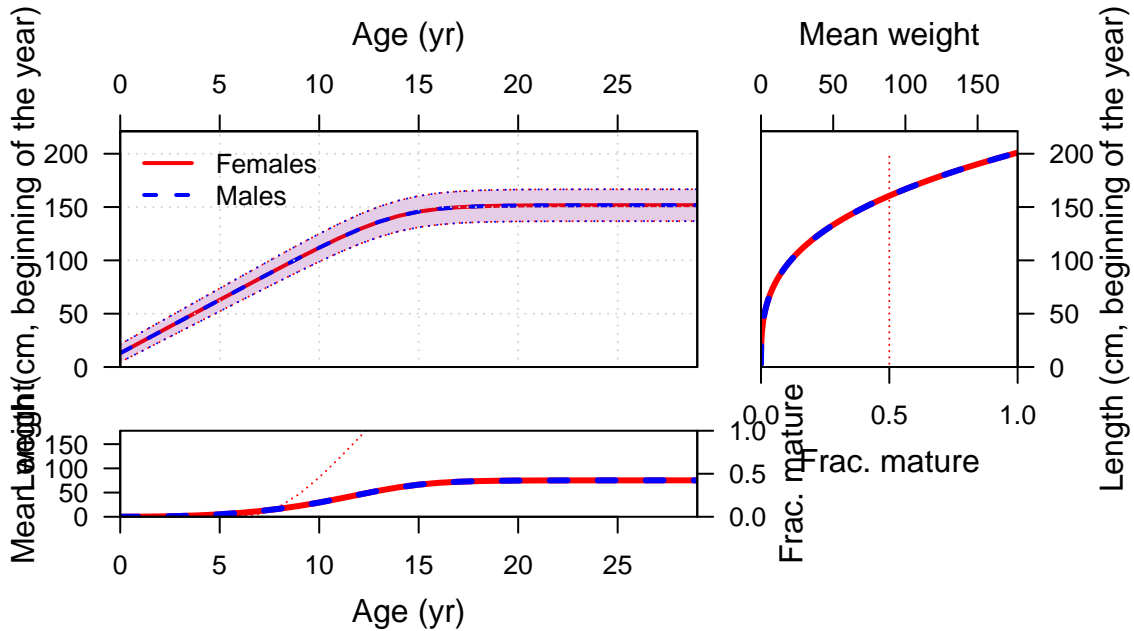


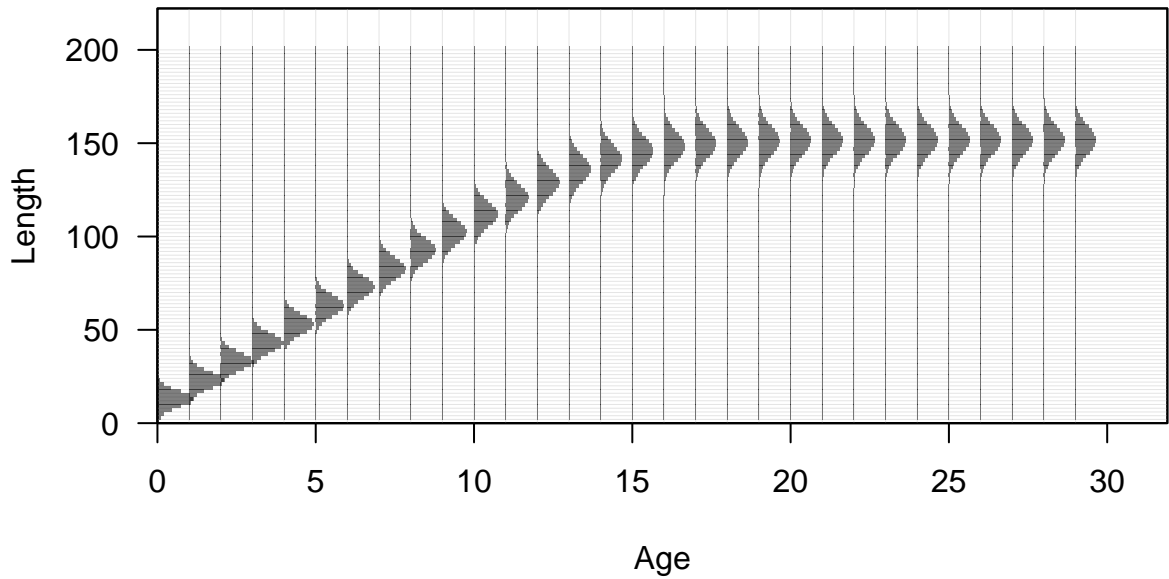
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StartTime: Sat Jun 8 16:50:40 2024
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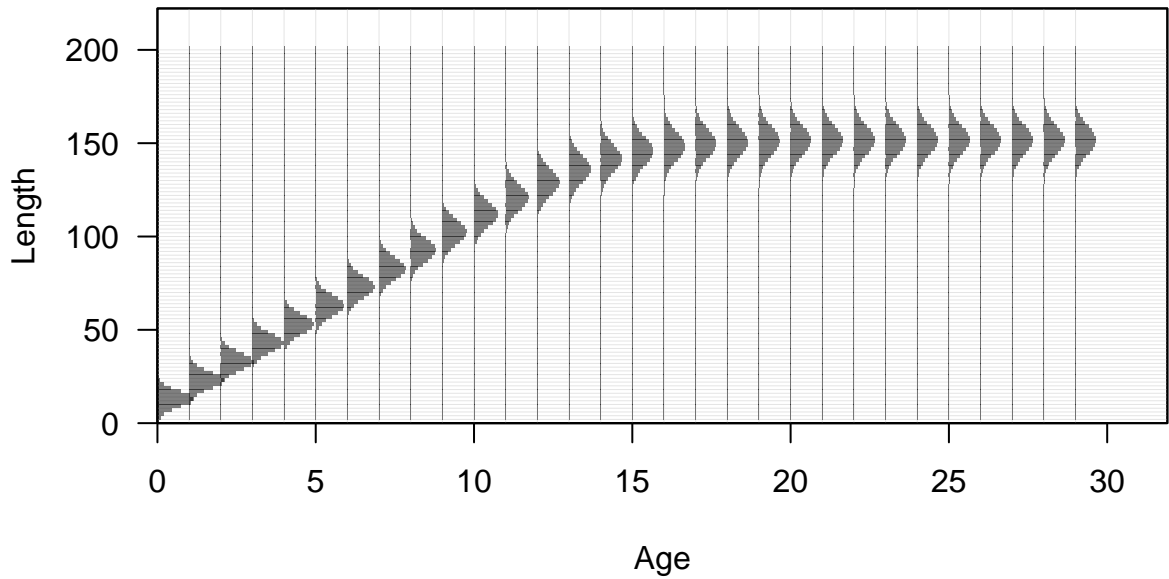
Length (cm, beginning of the year)

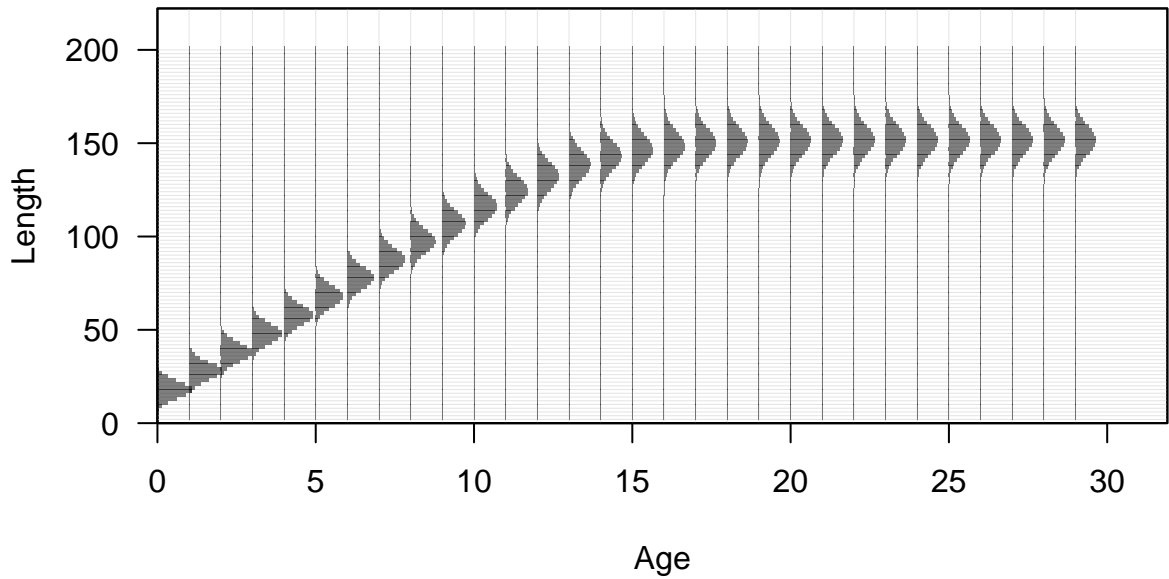


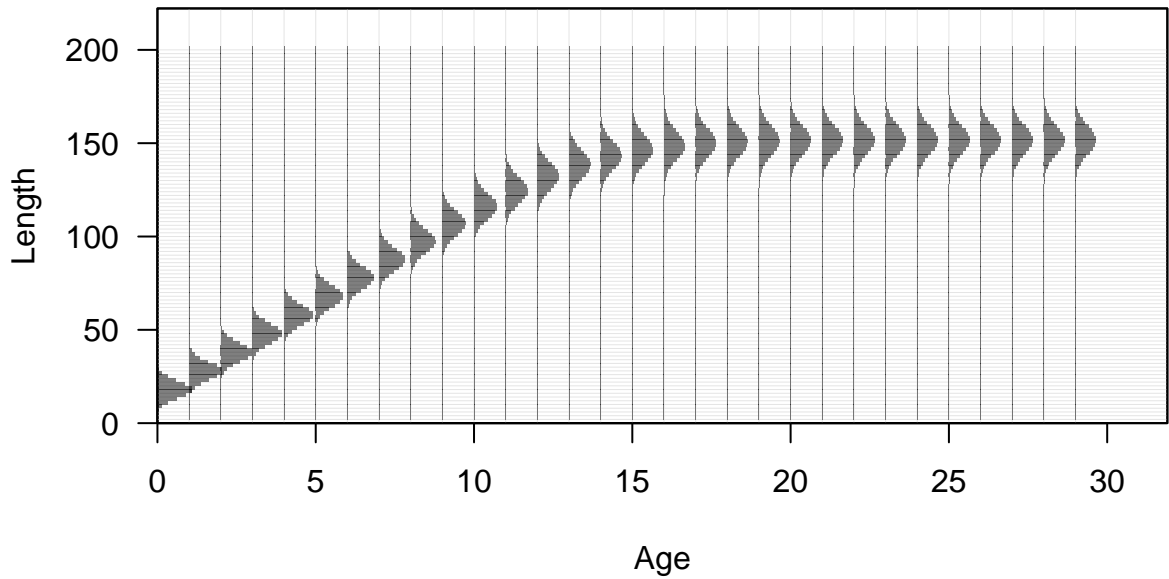


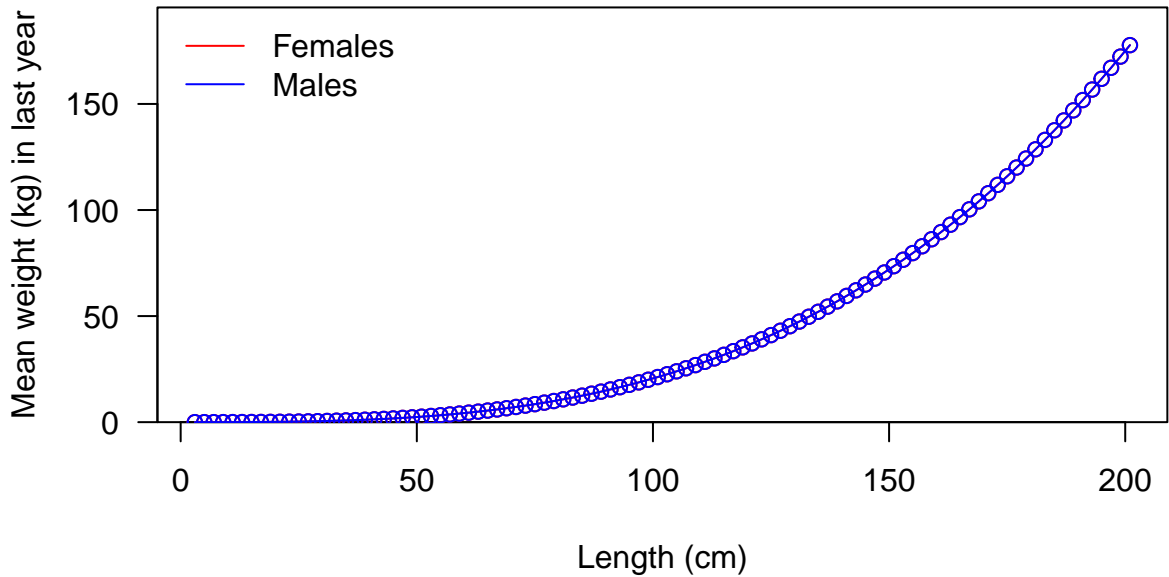


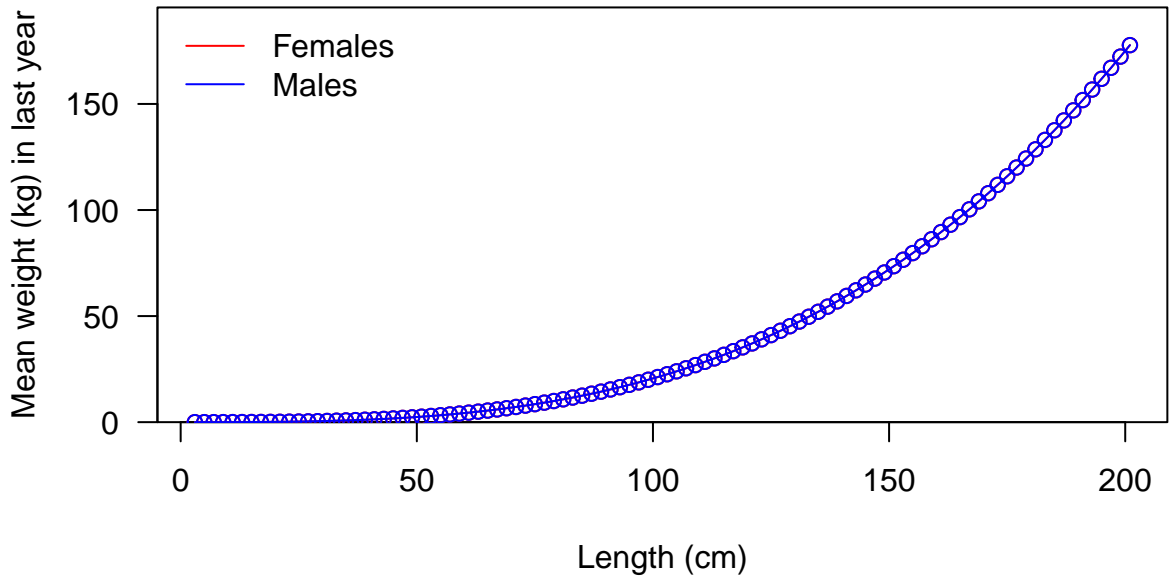


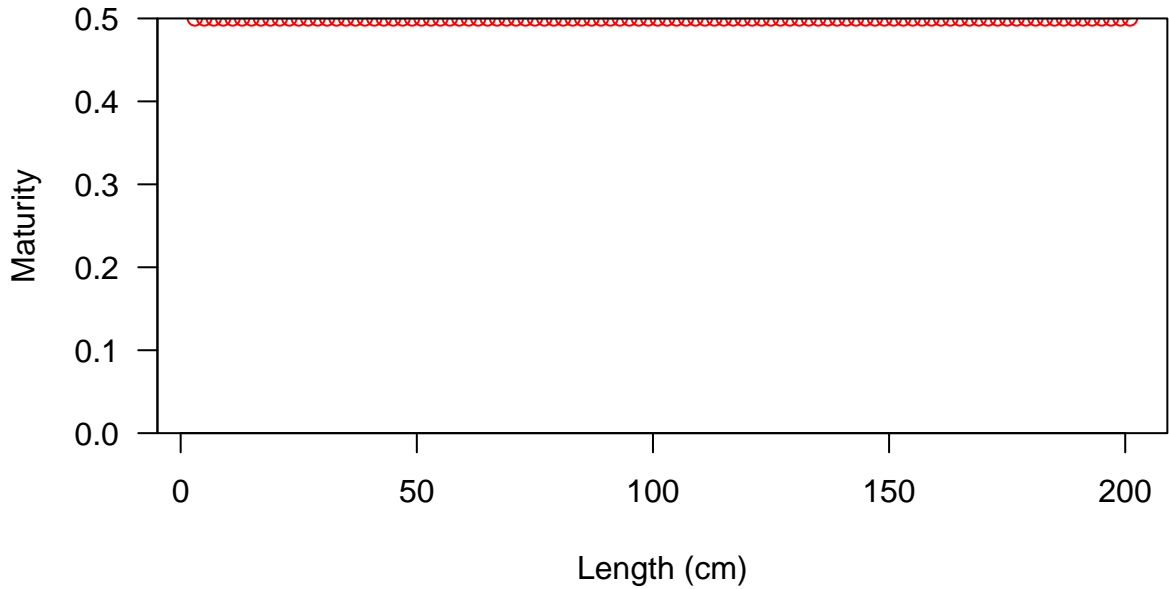


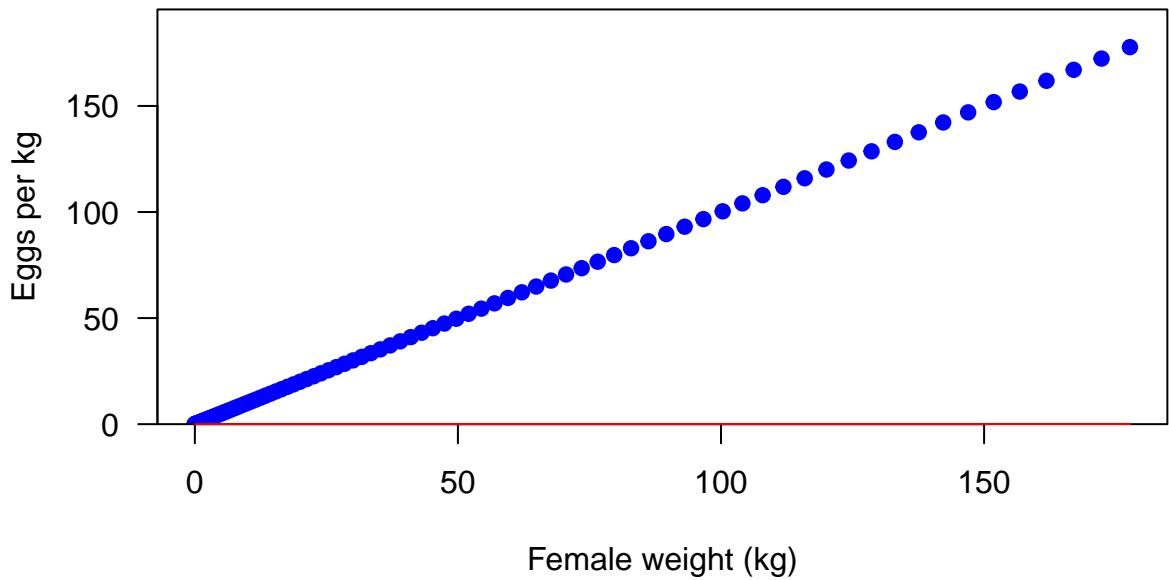


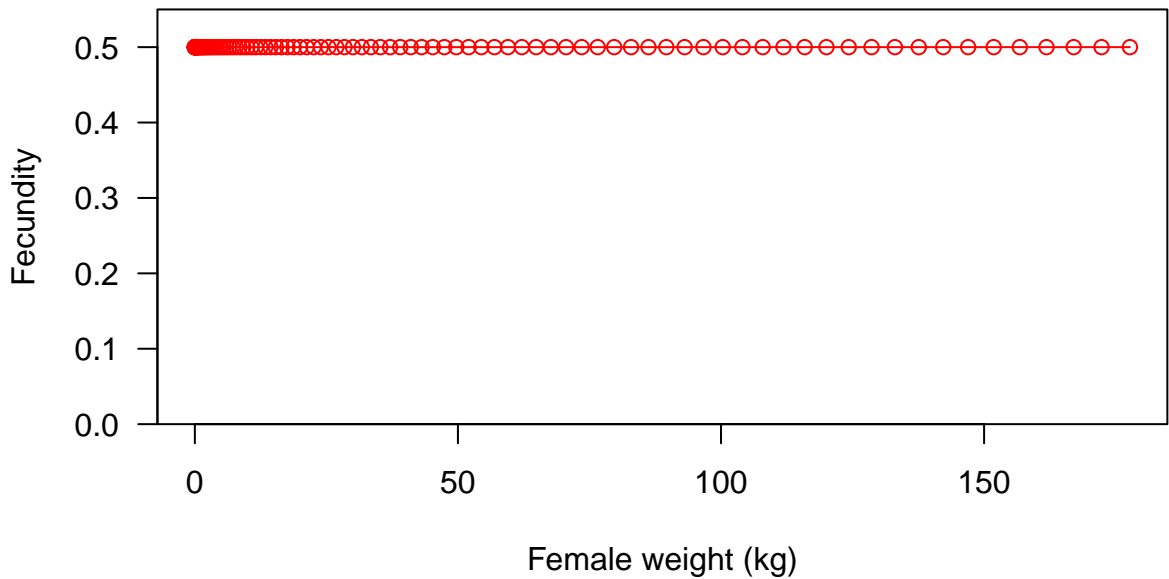


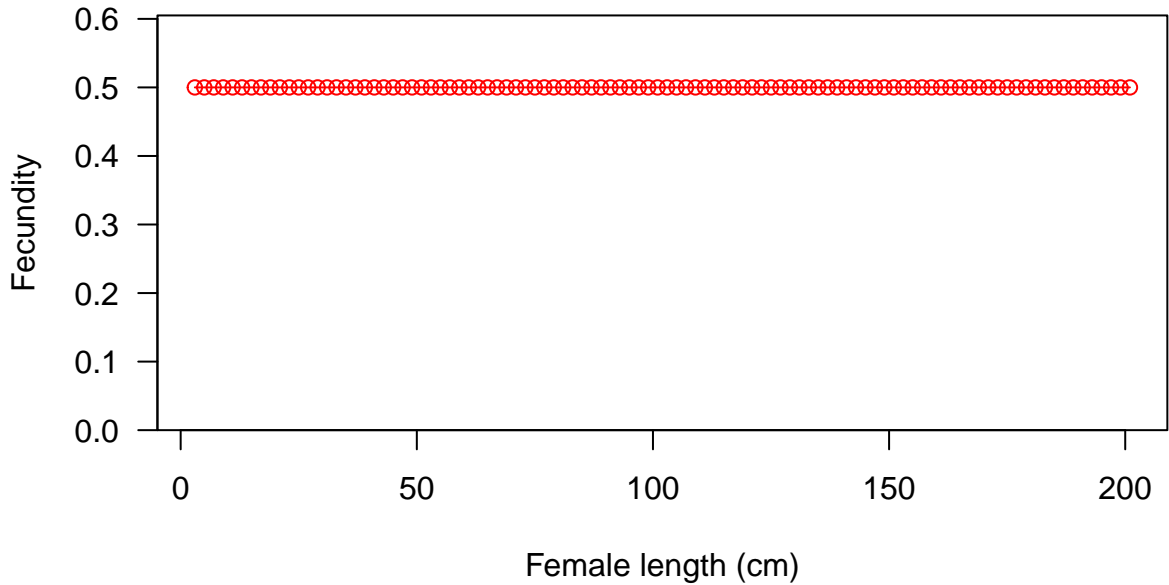


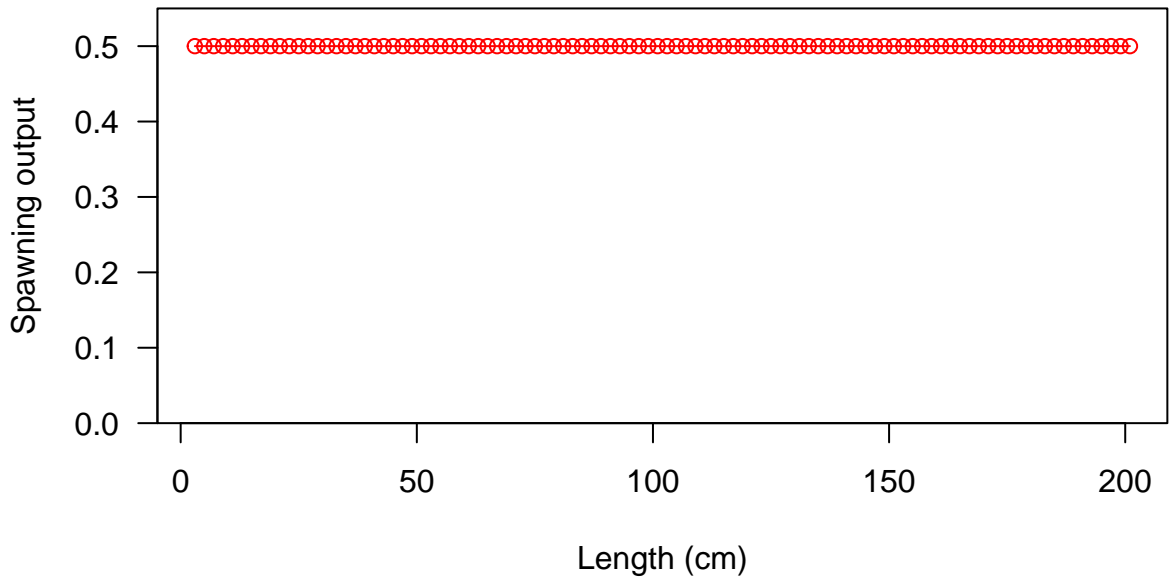




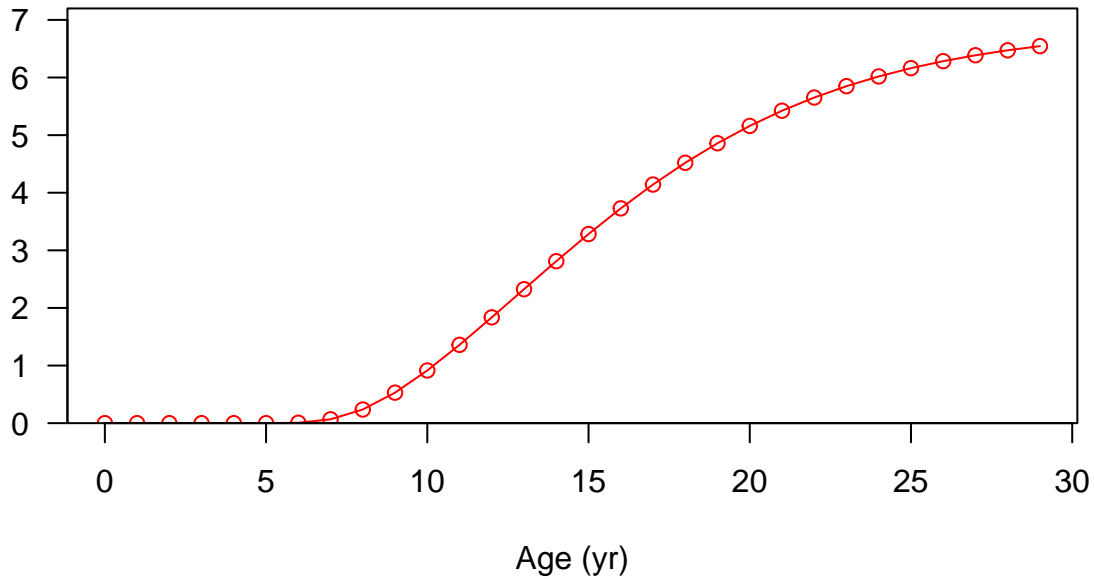




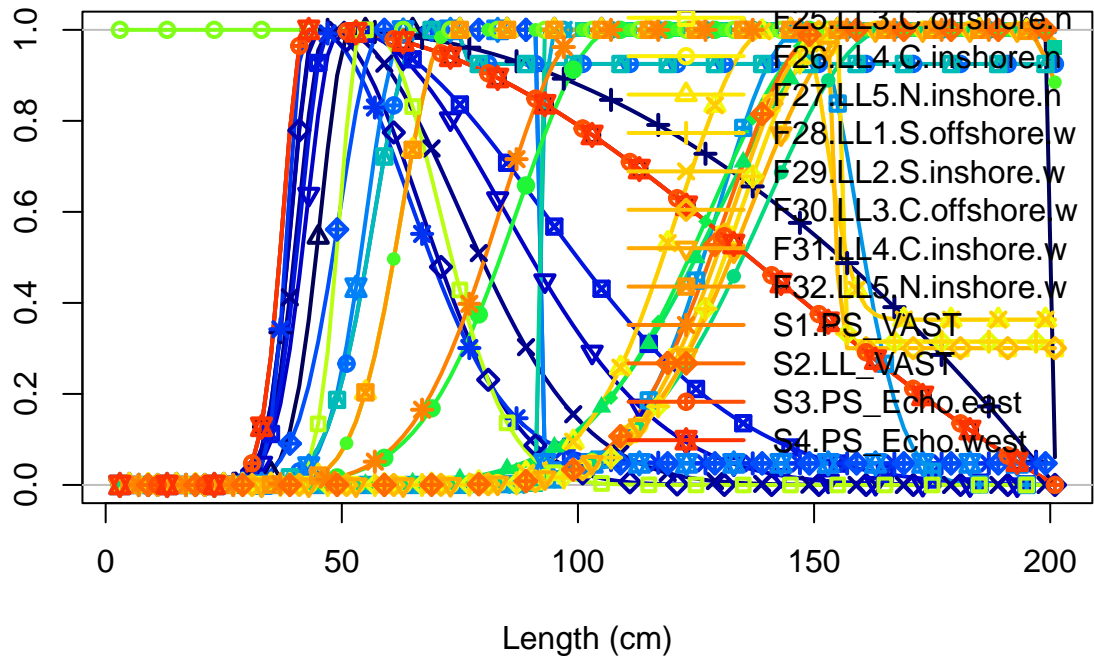




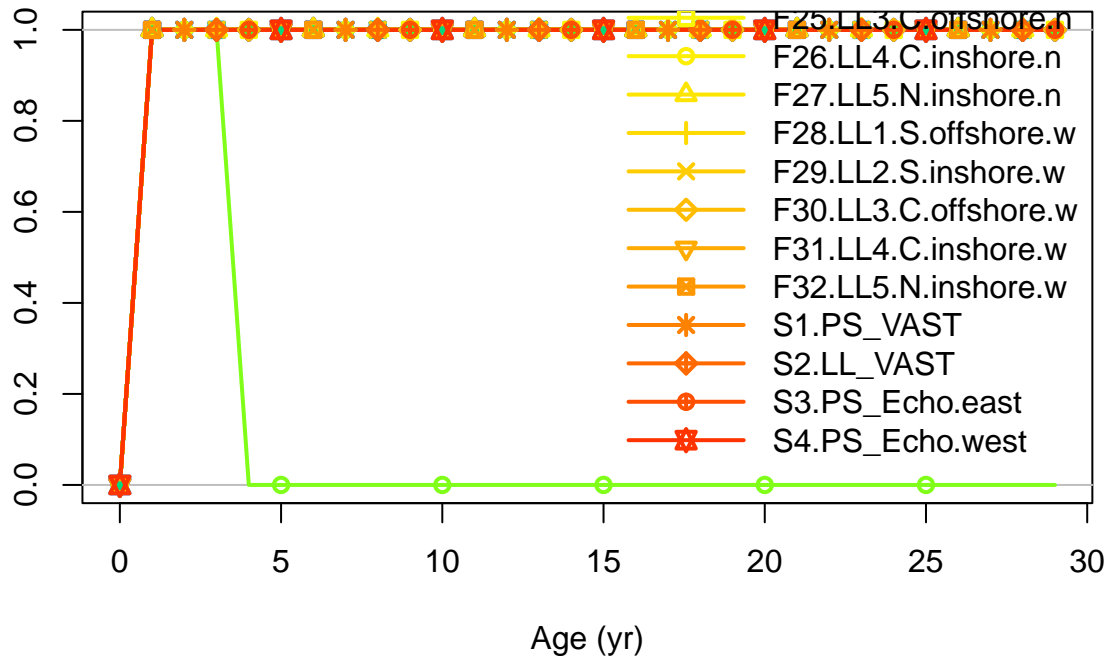
Spawning output



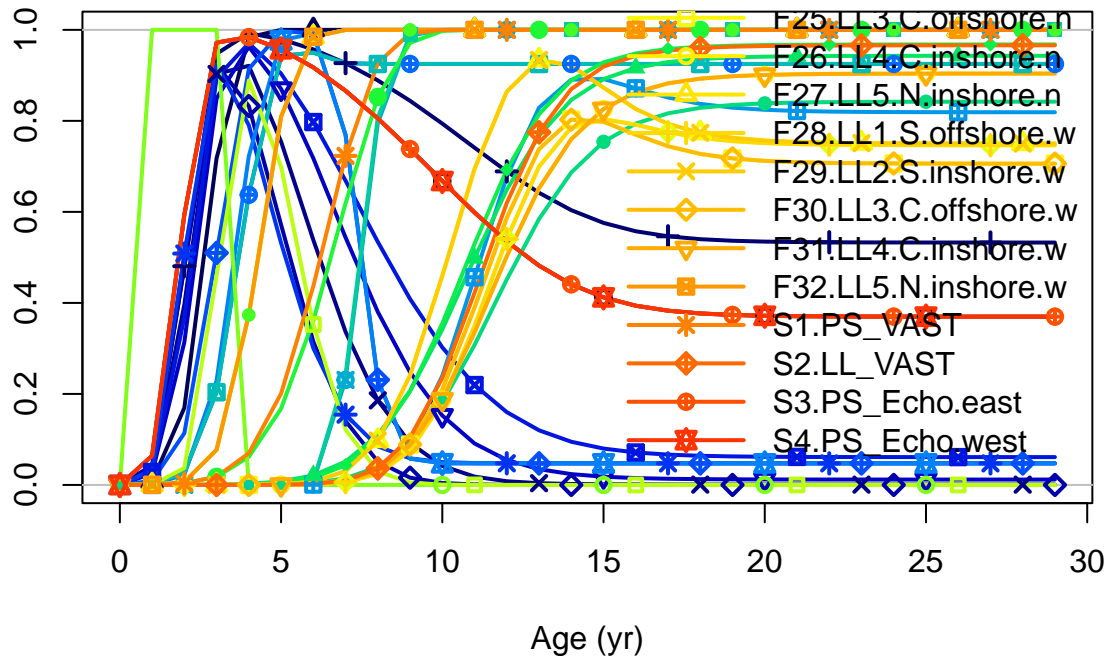
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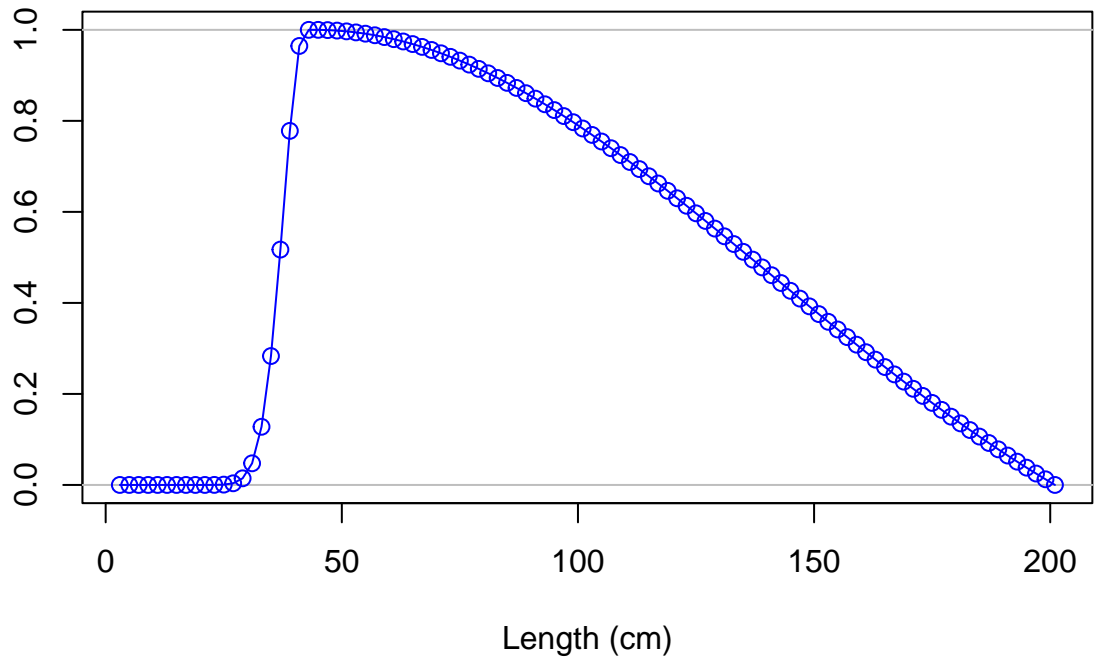
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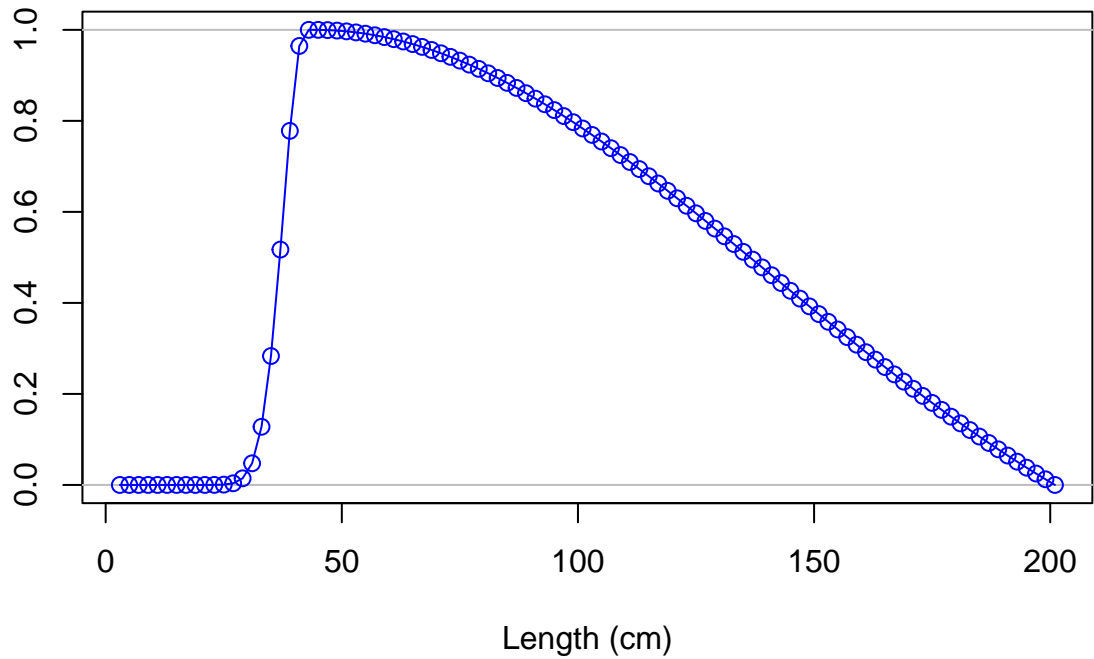
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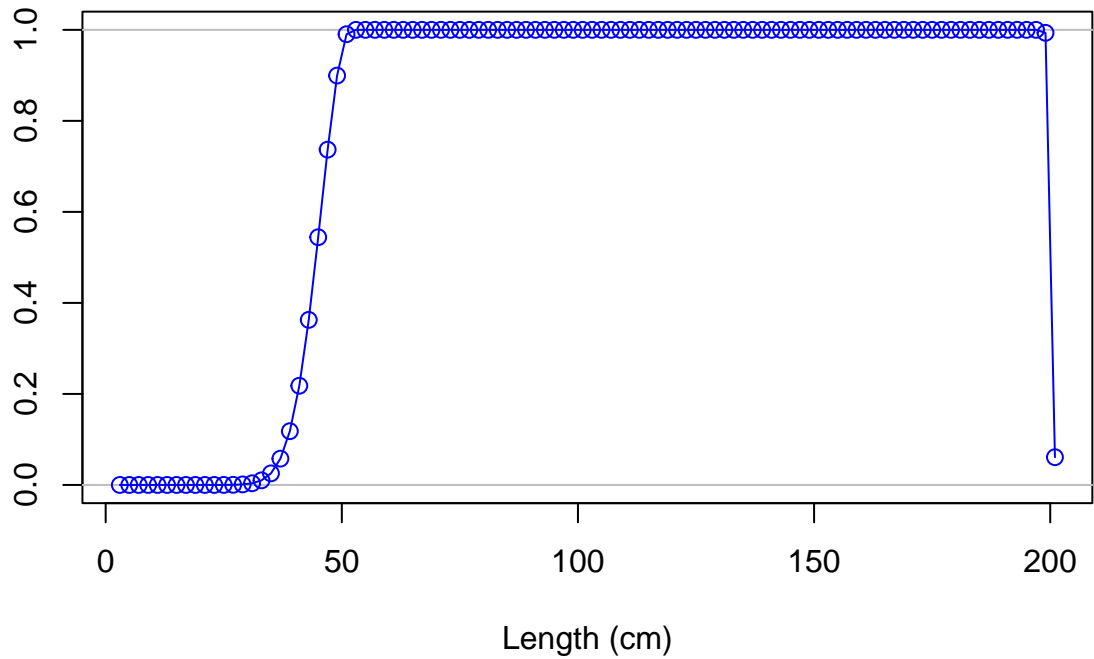
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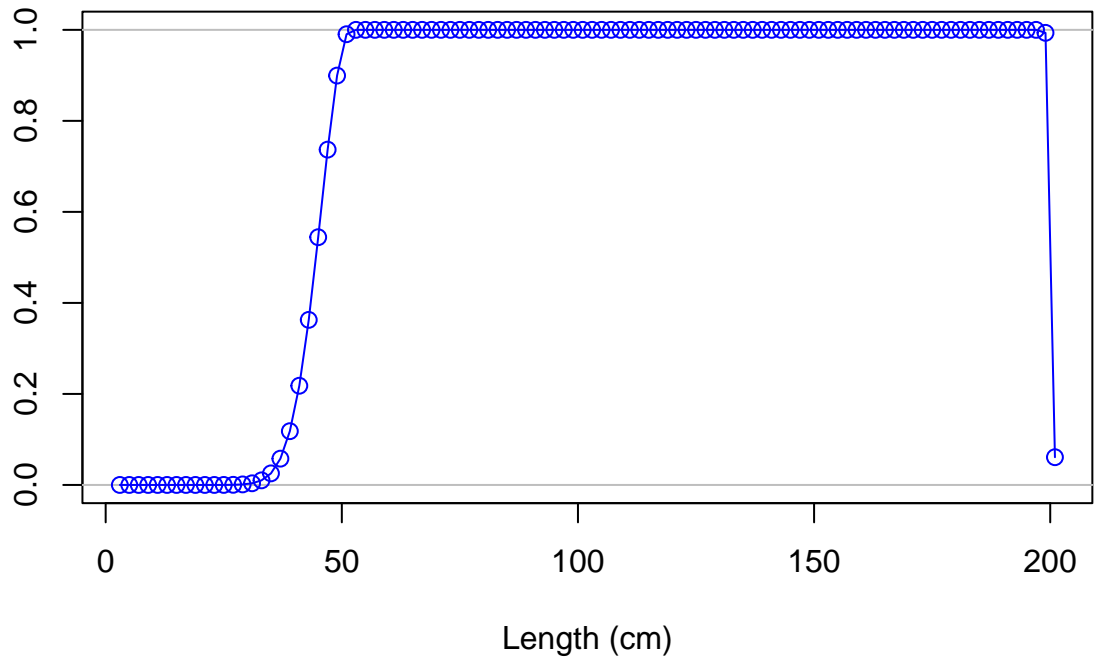
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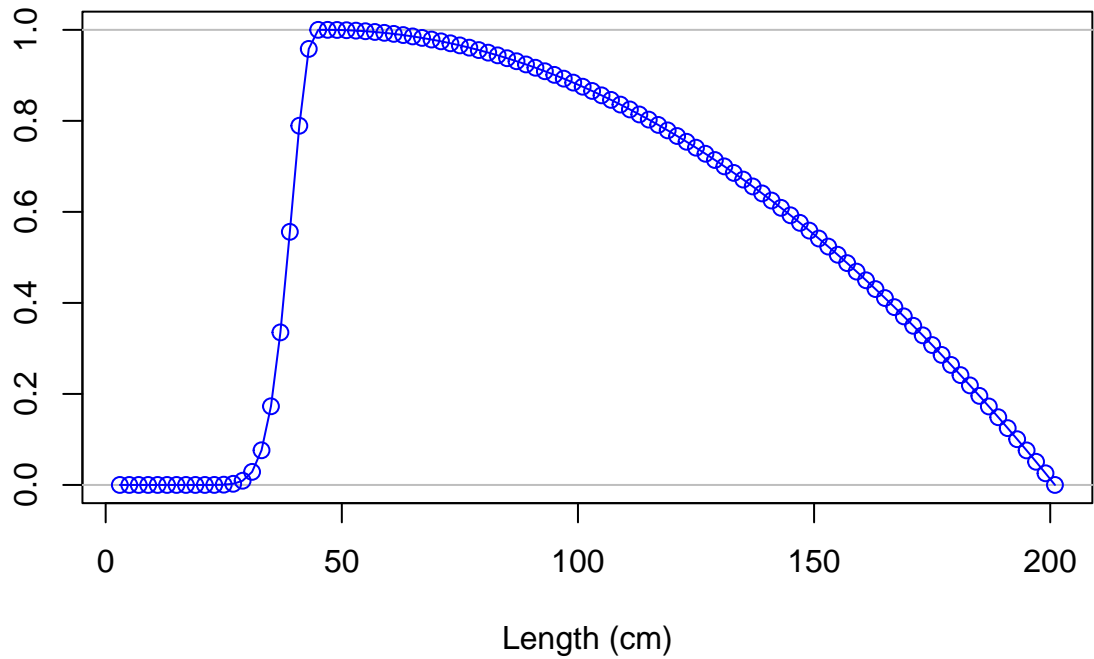
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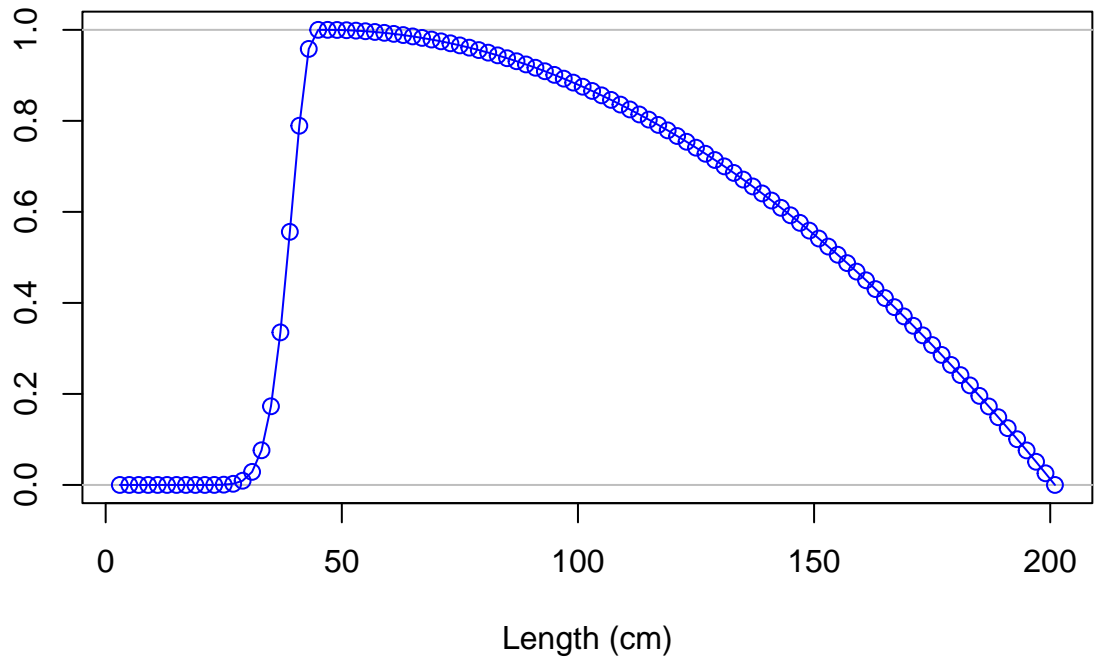
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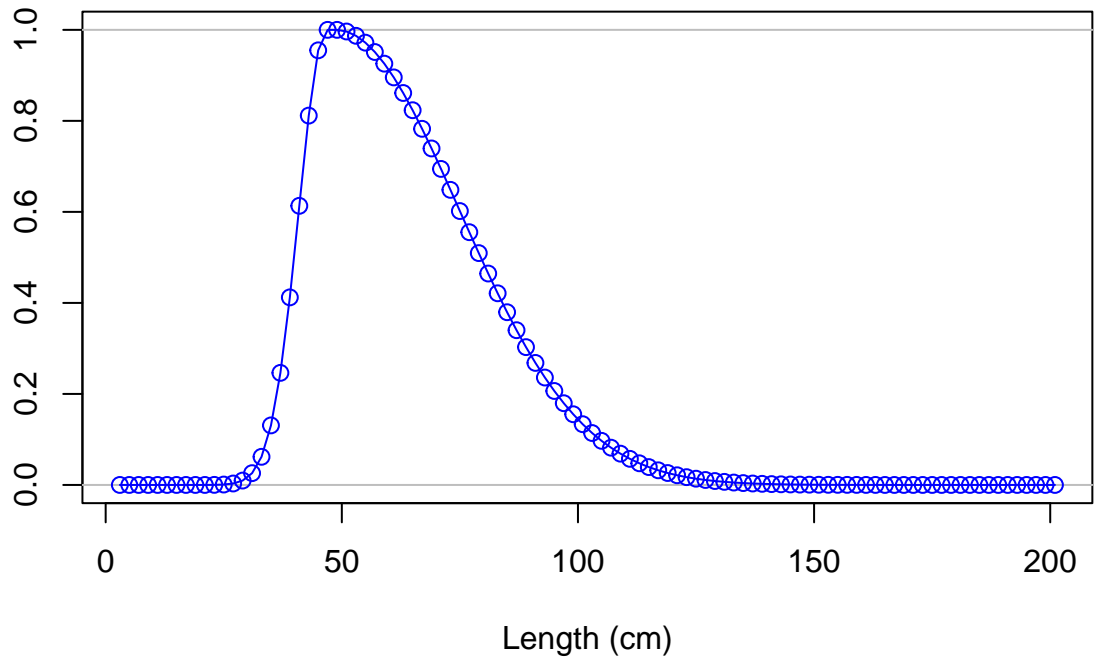
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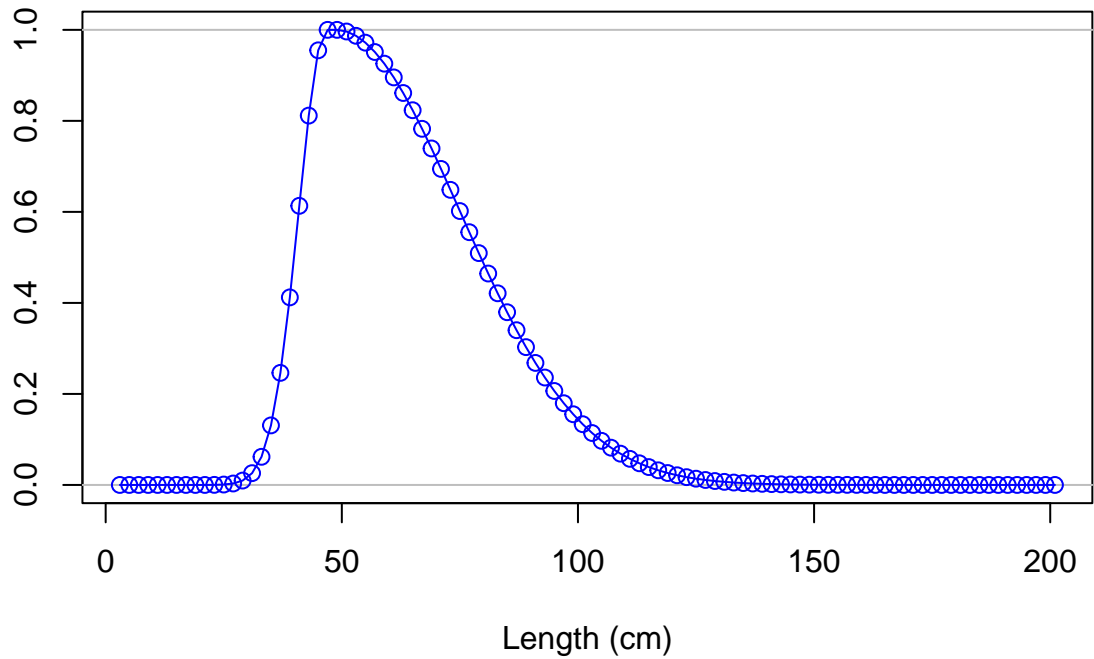
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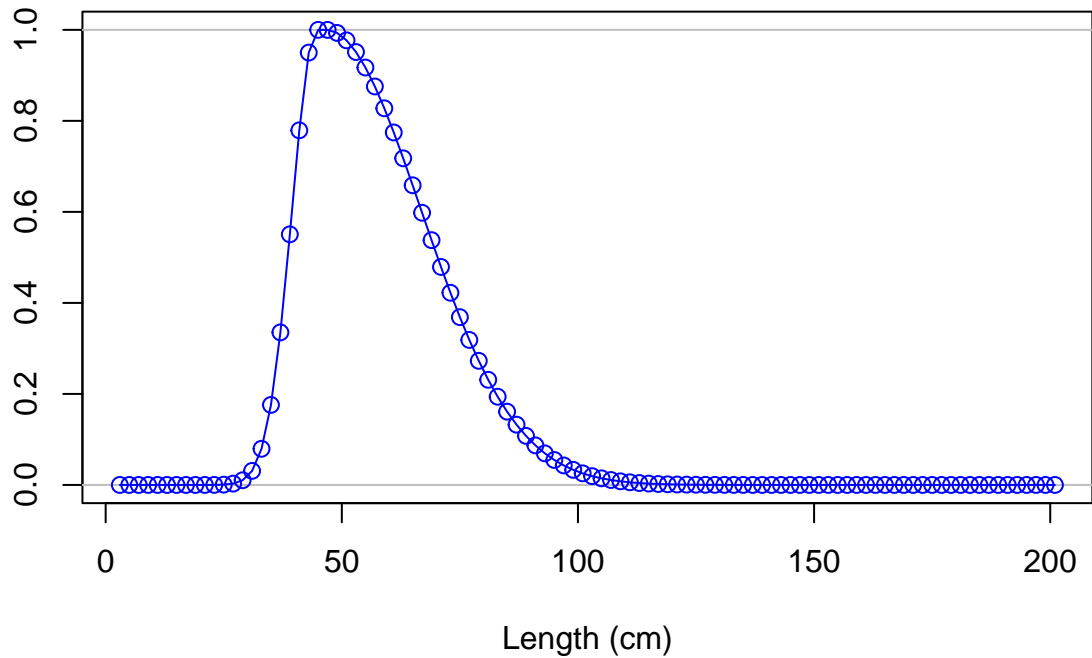
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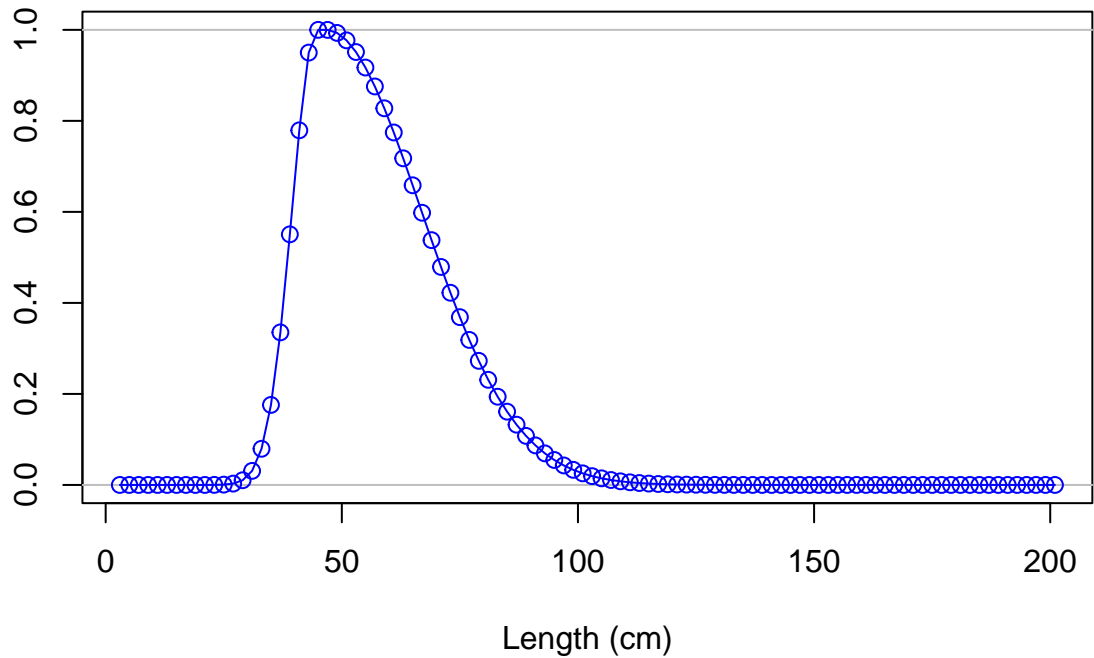
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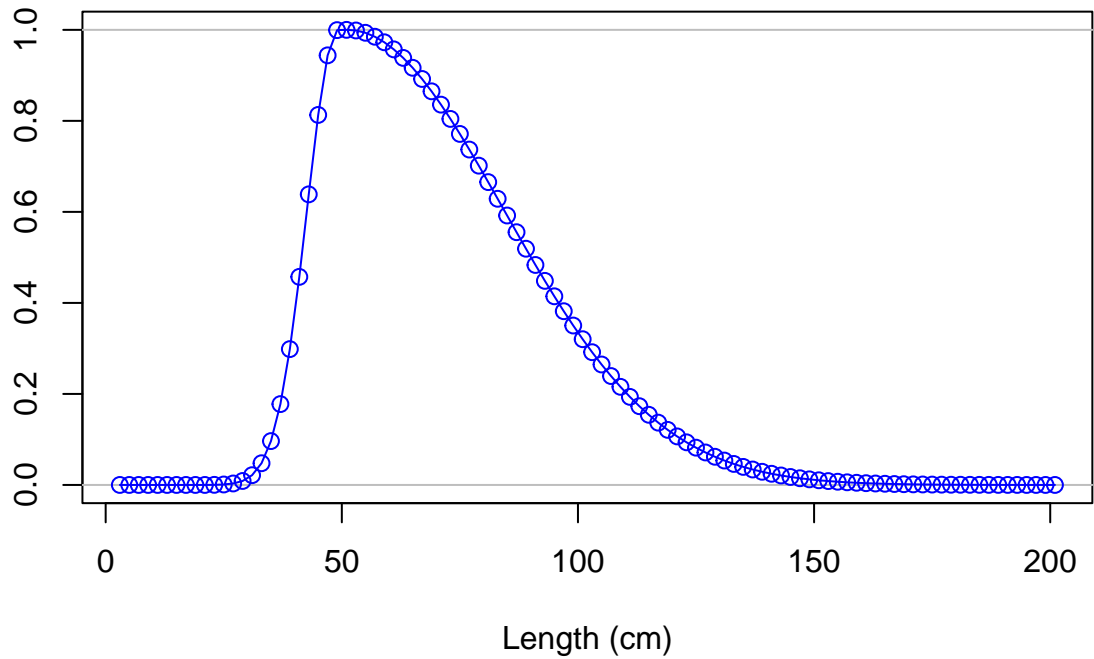
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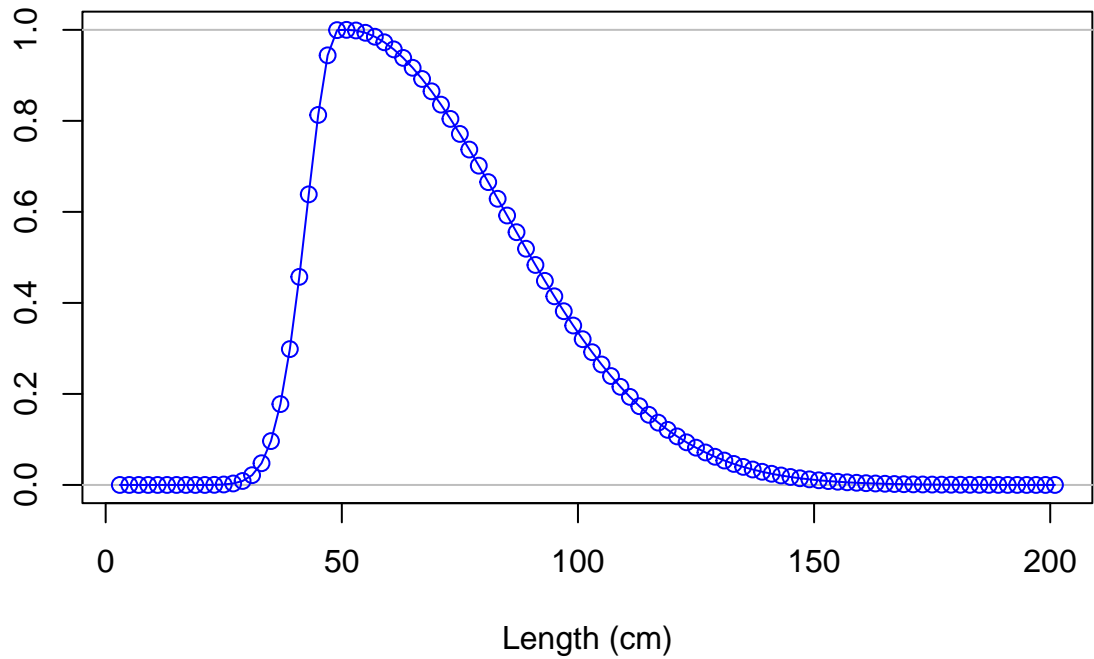
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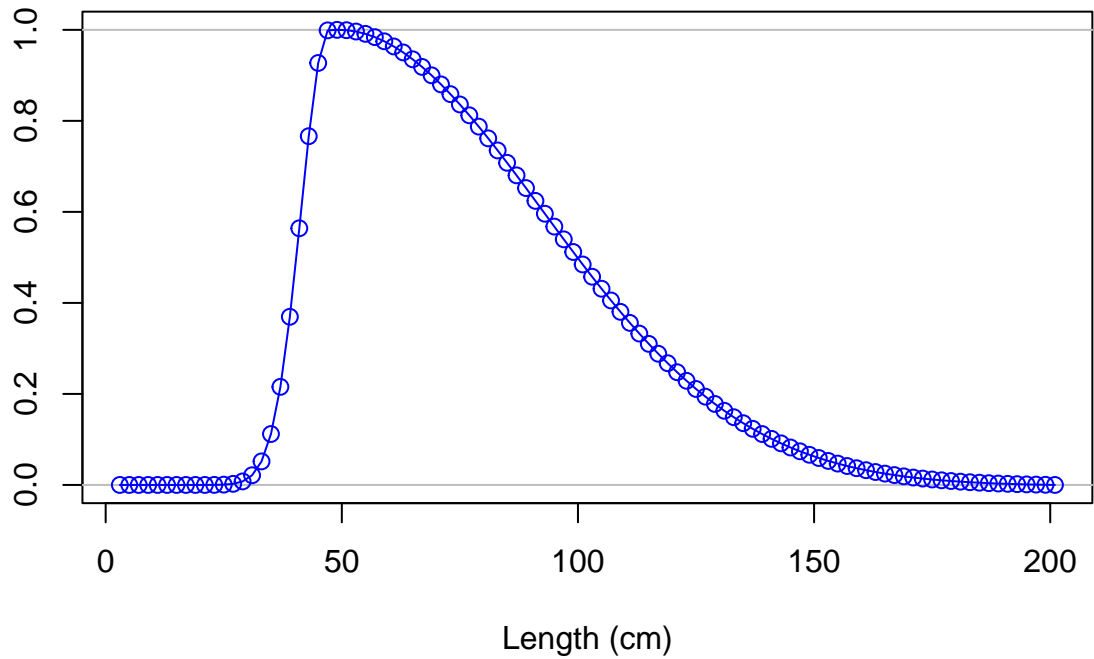
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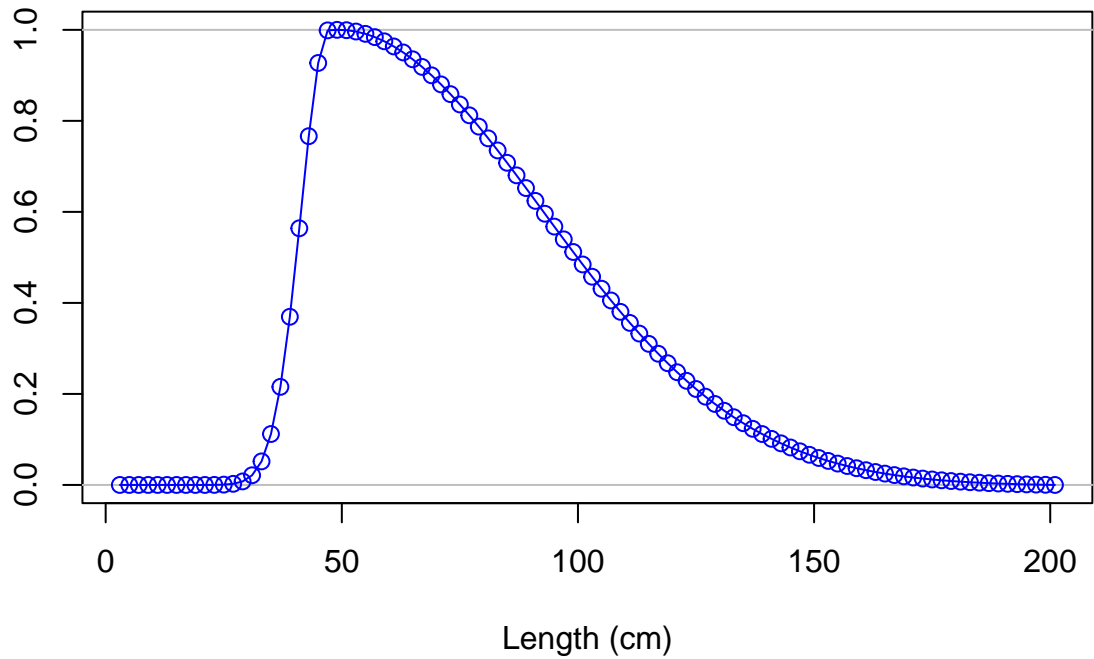
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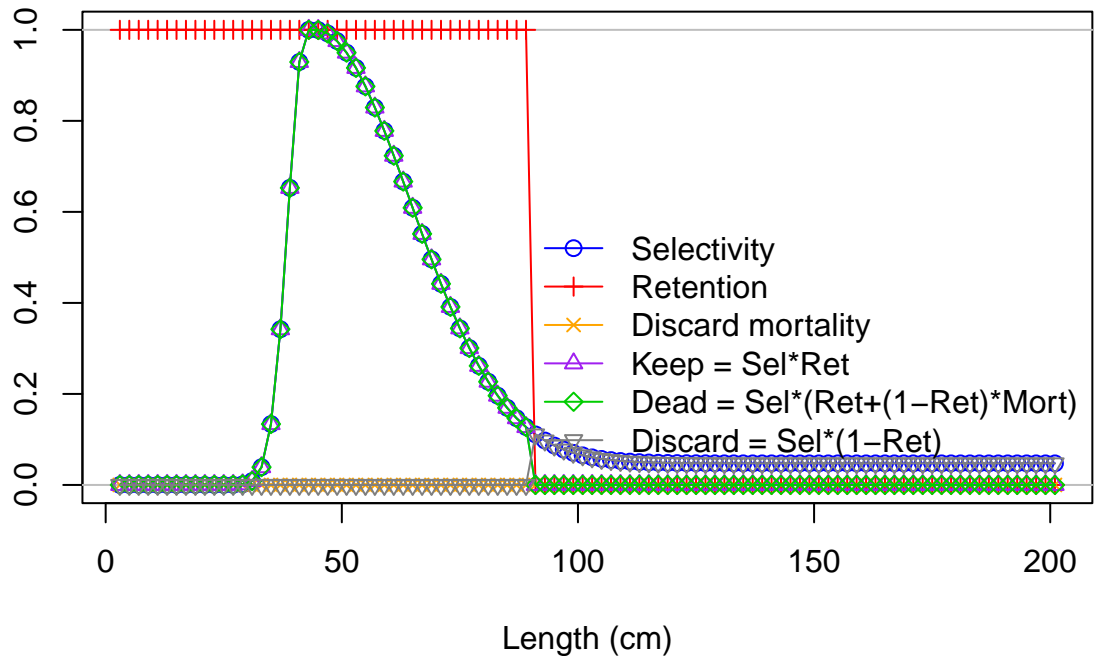
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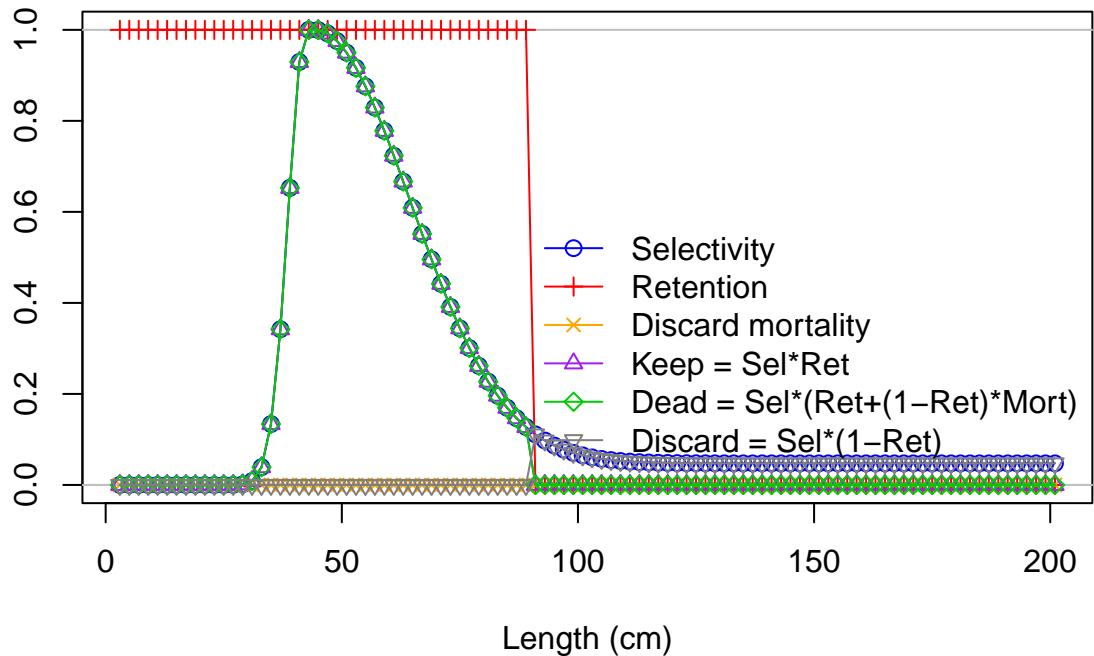
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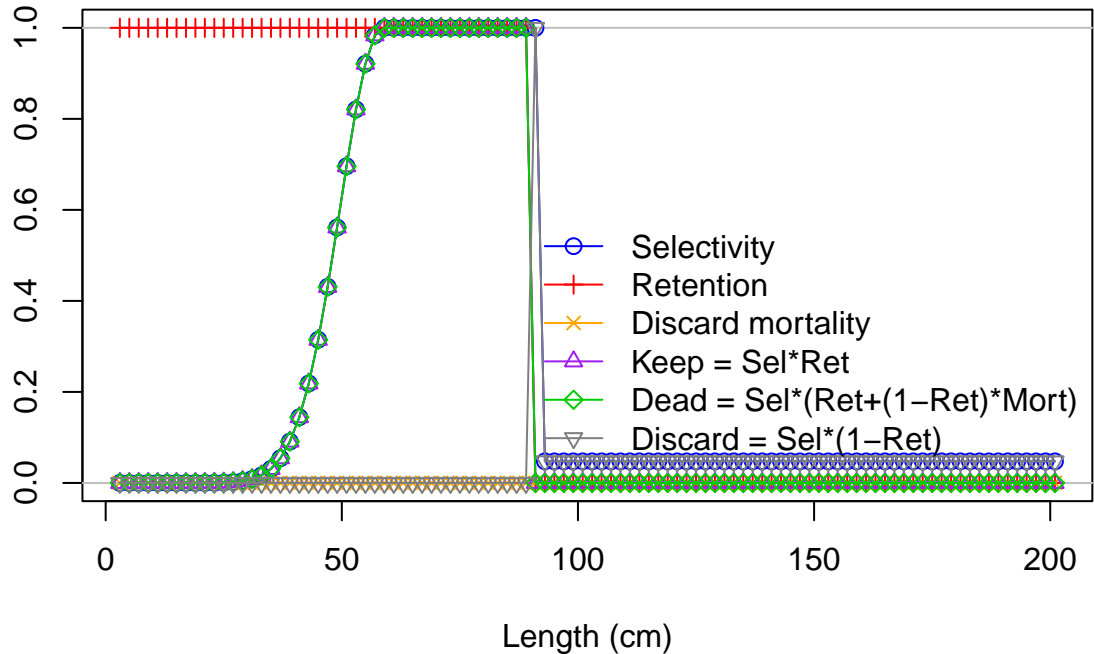
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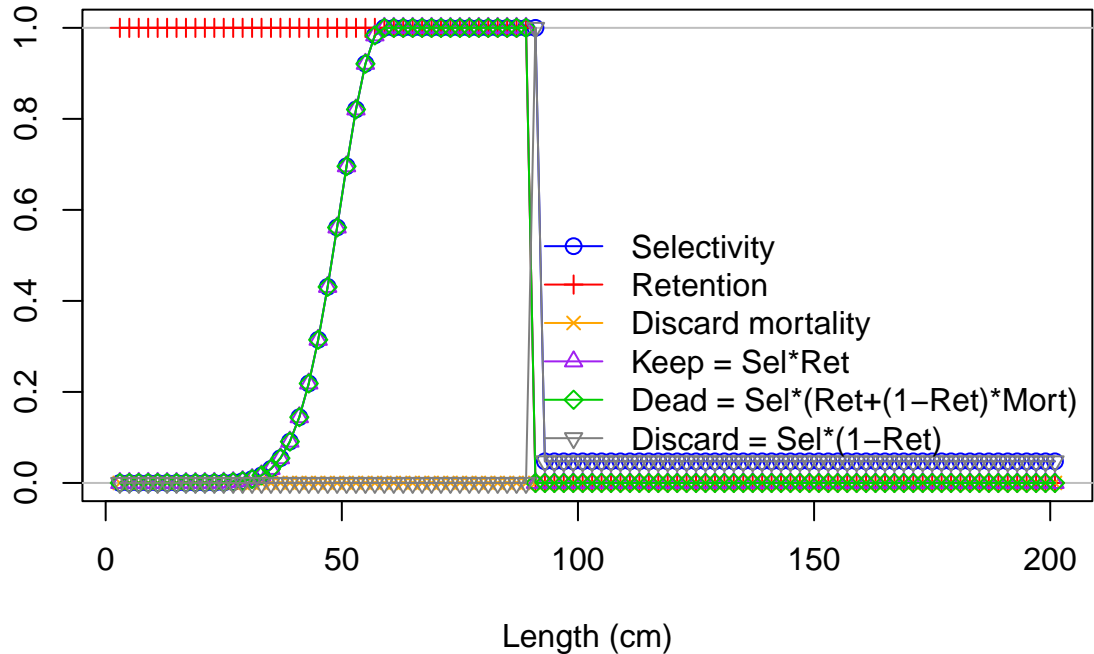
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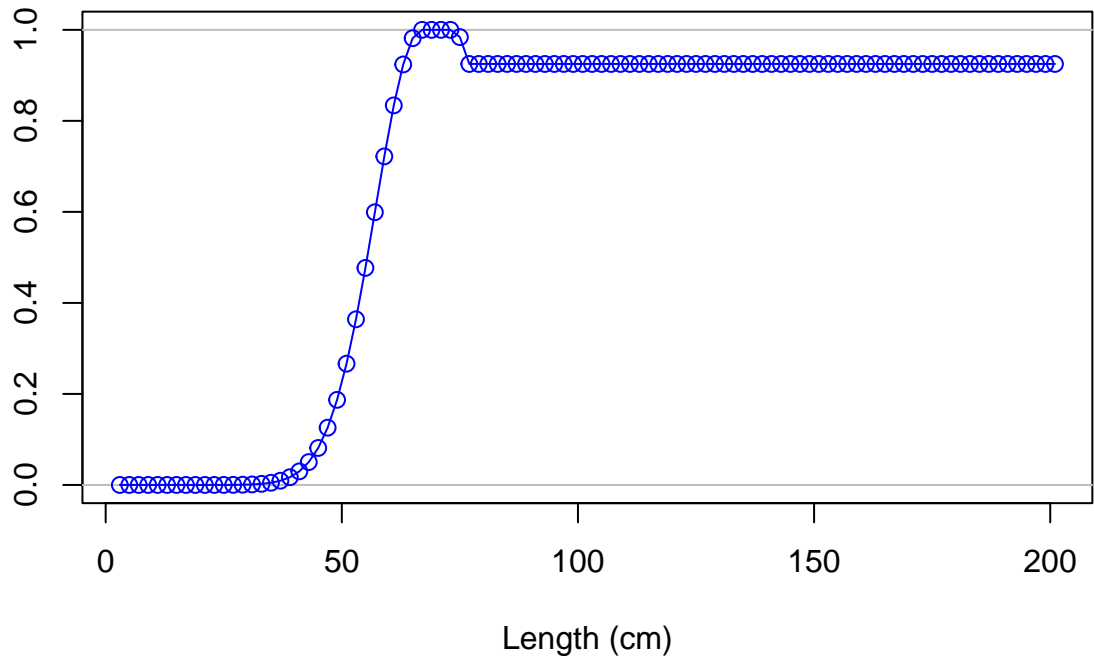
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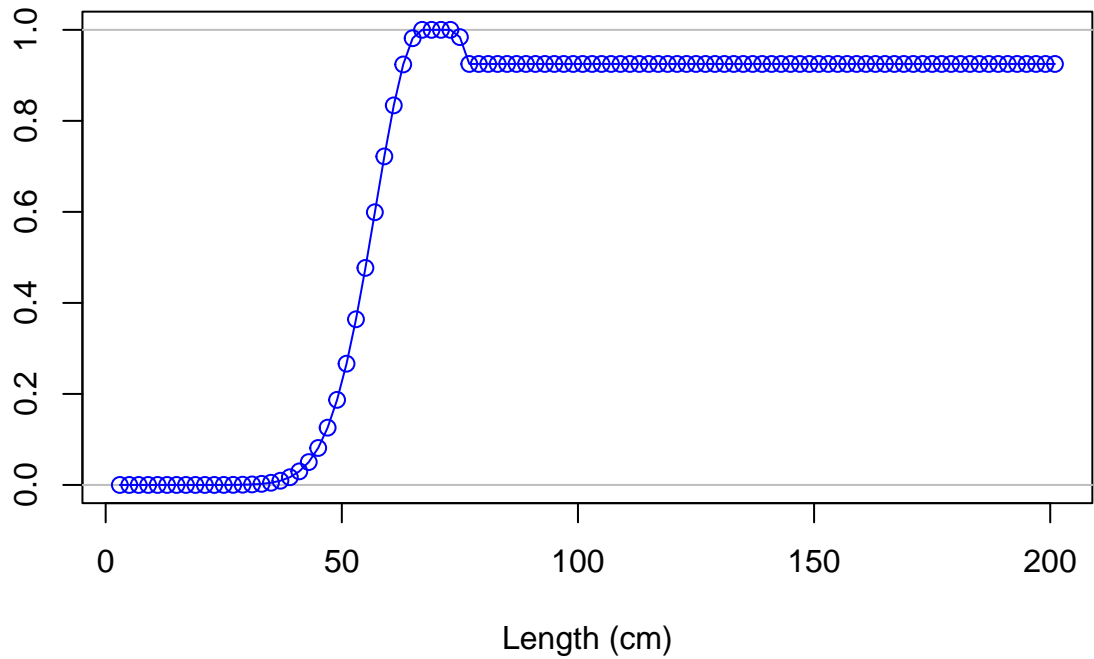
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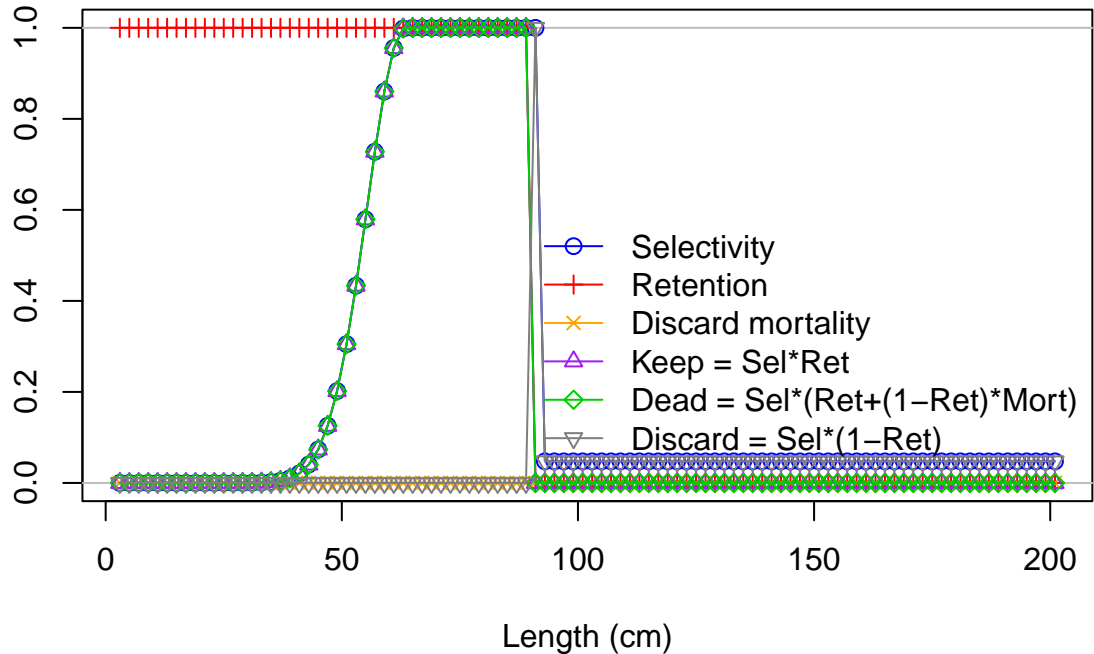
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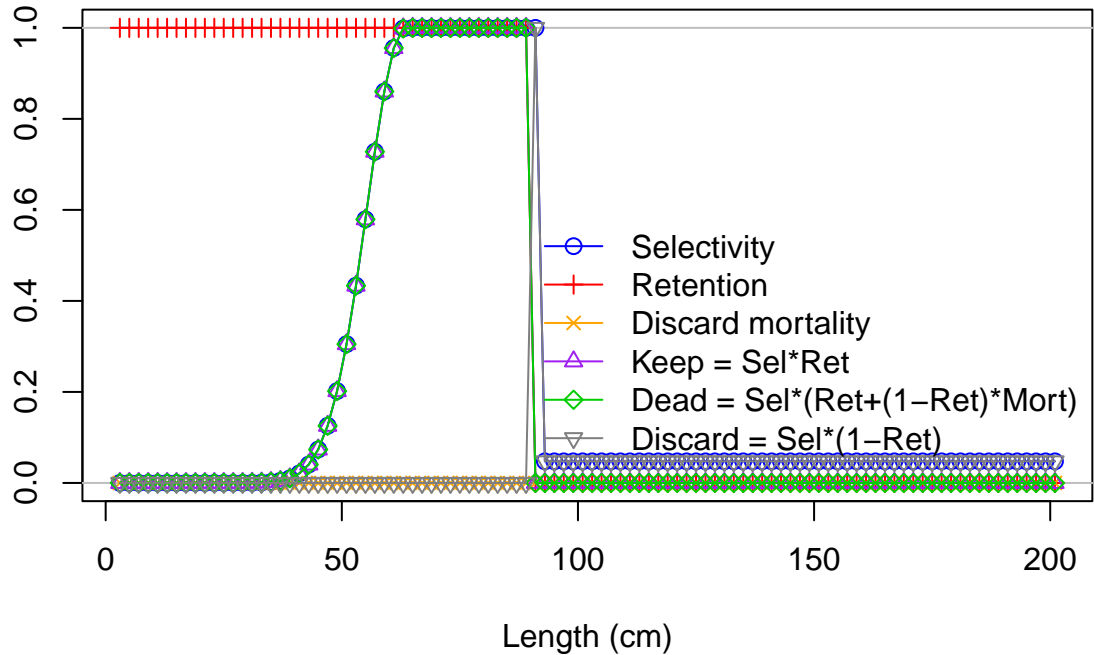
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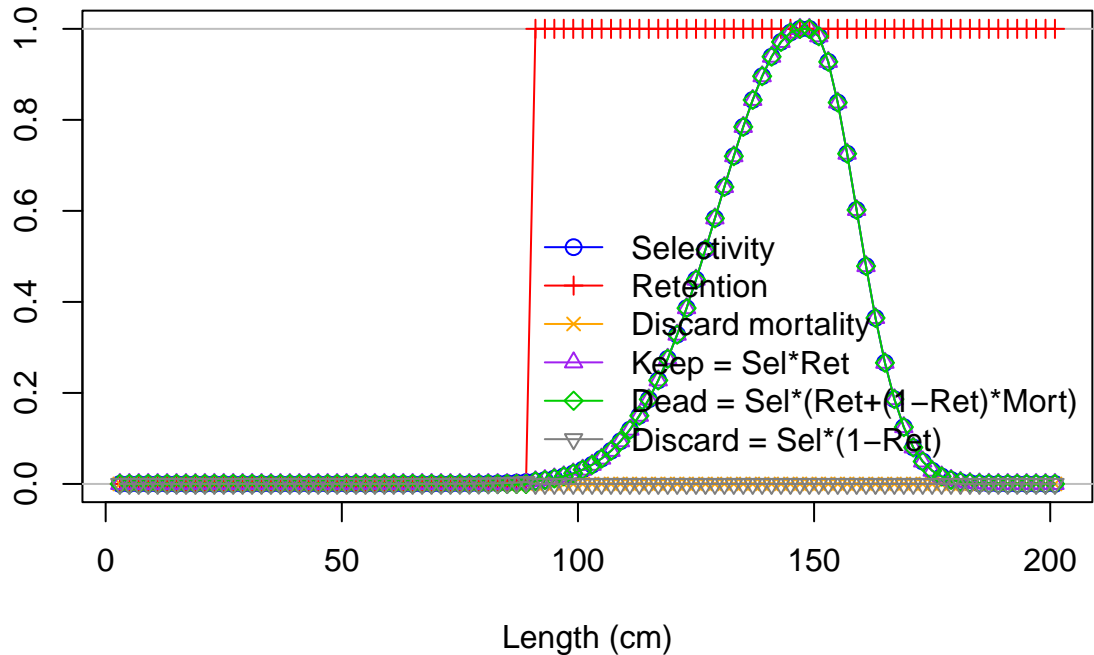
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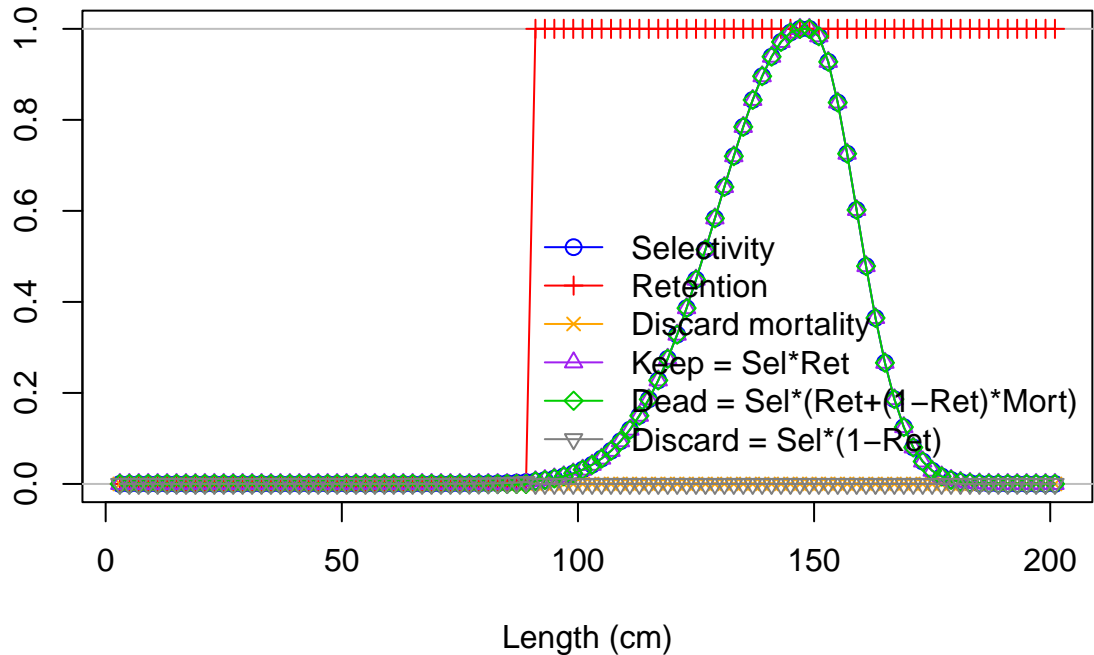
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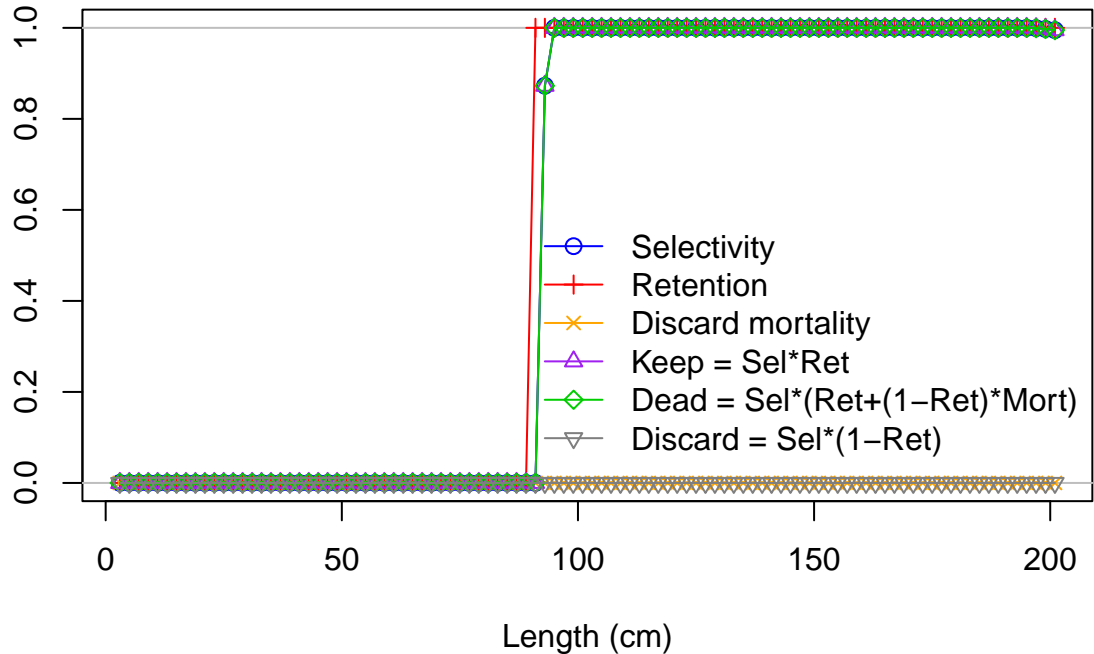
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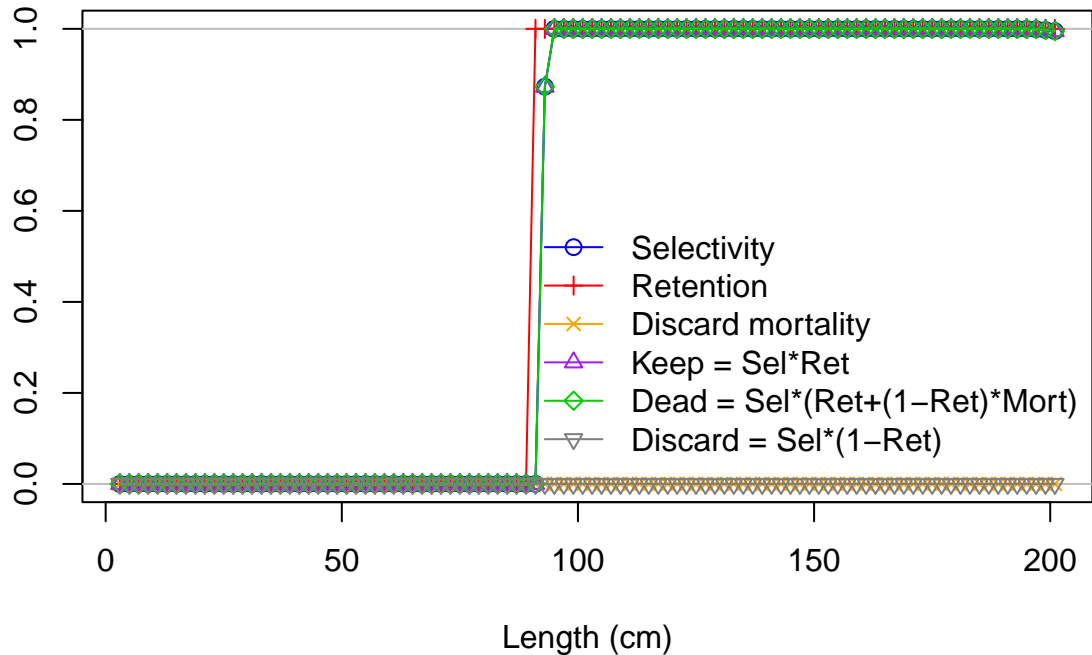
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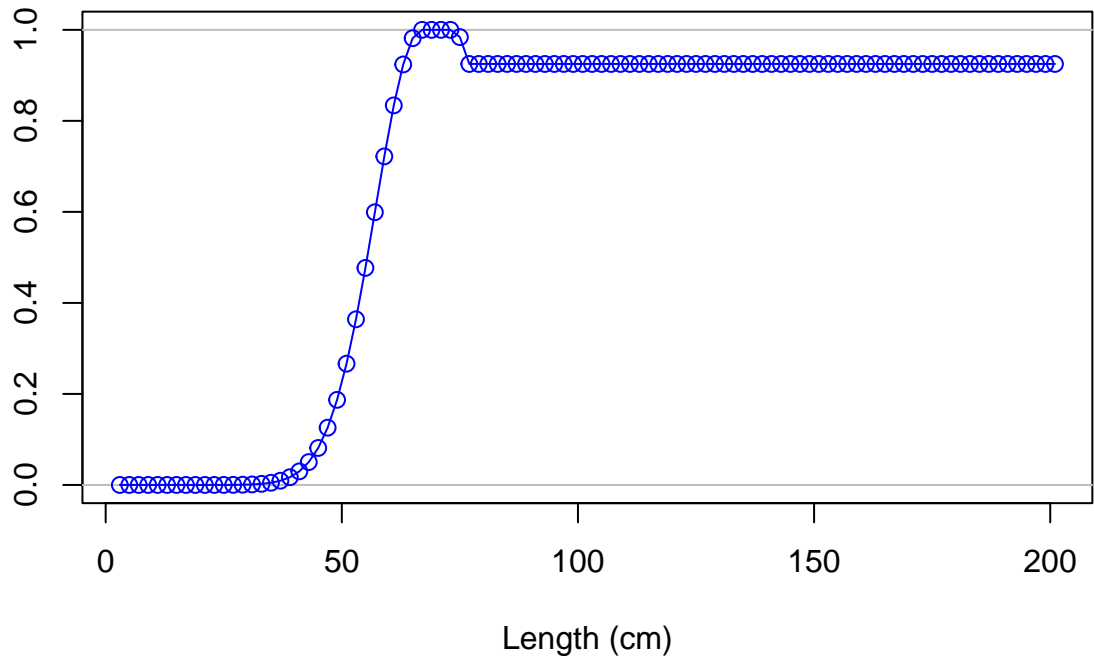
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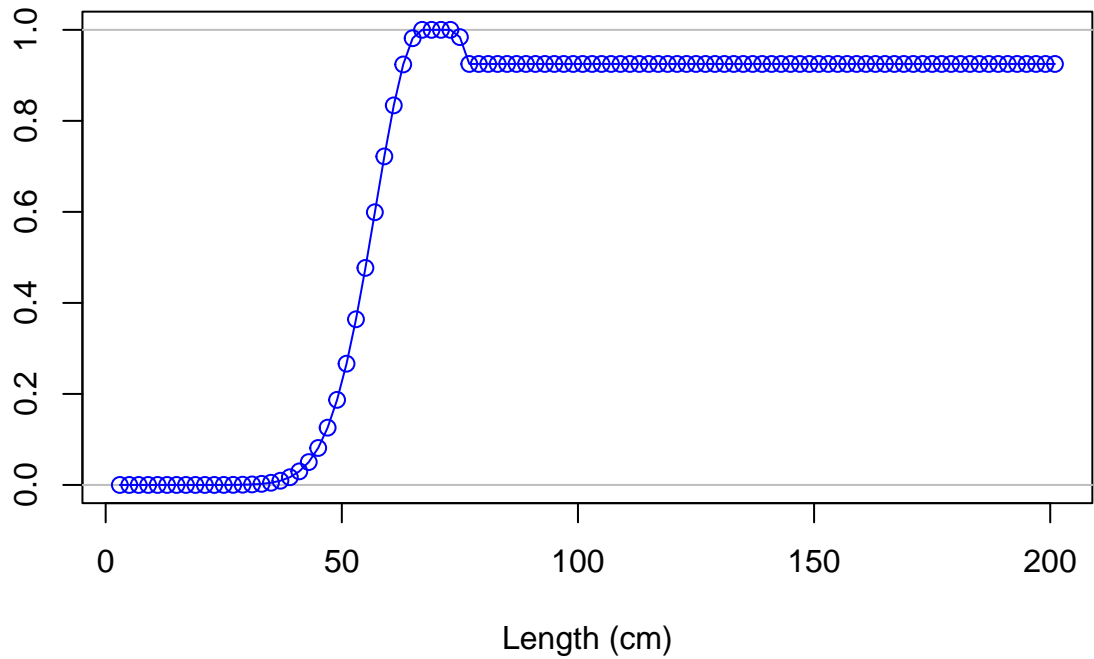
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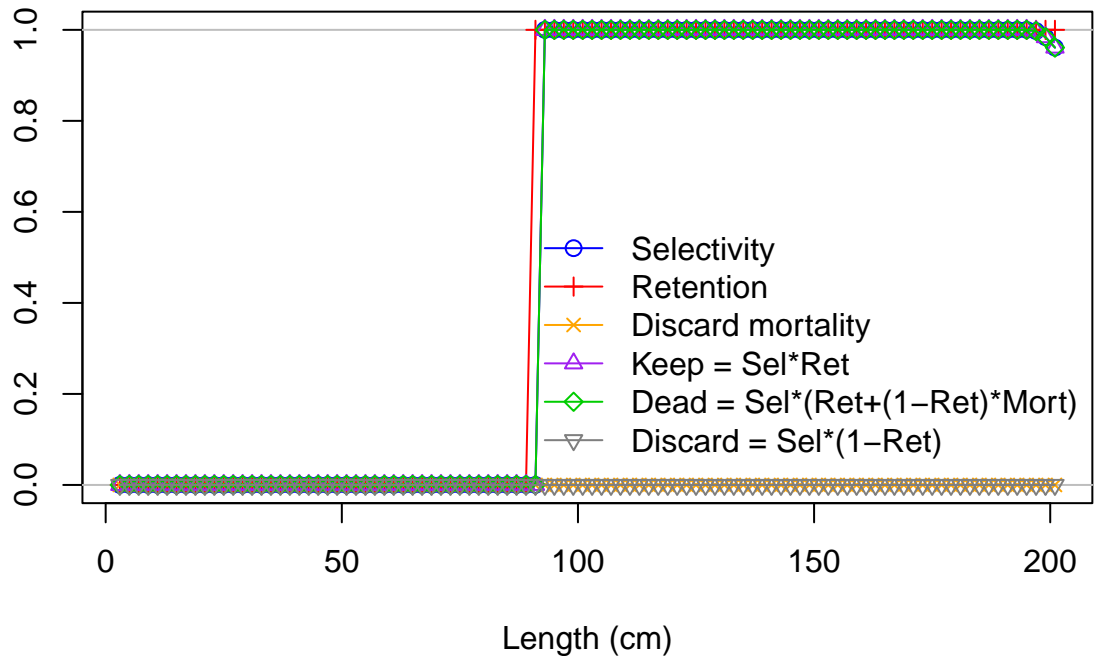
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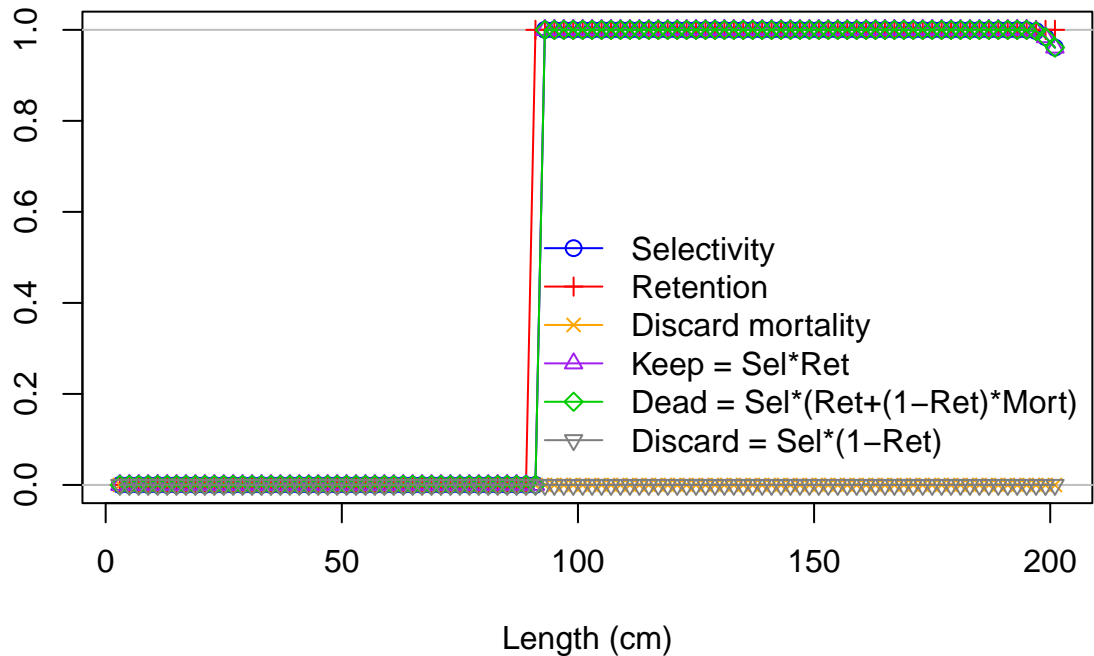
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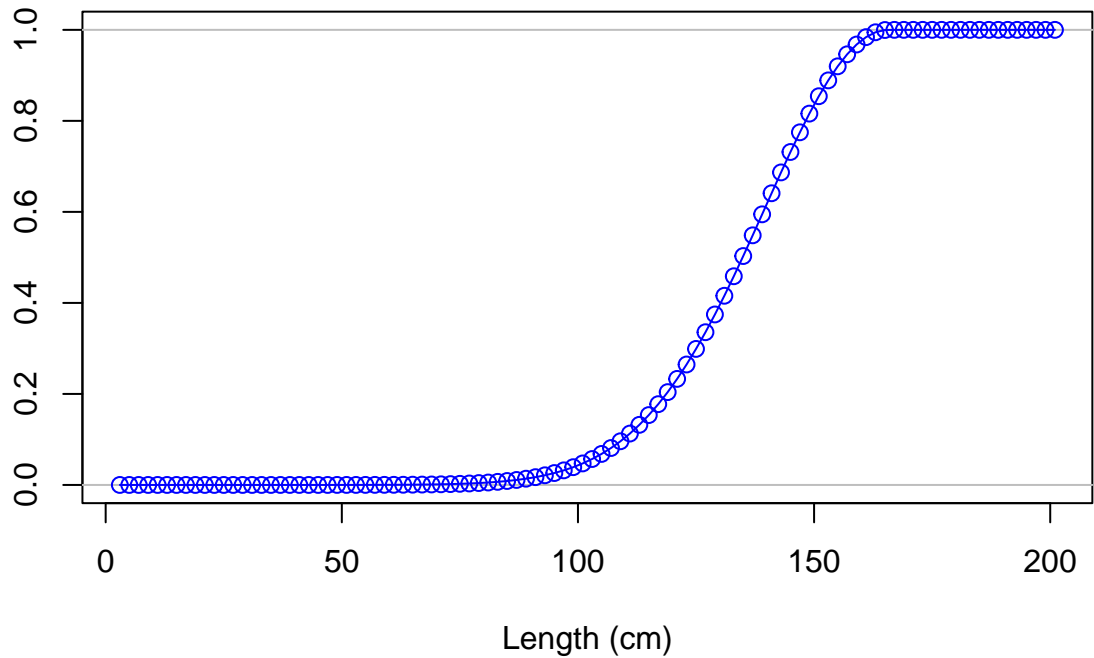
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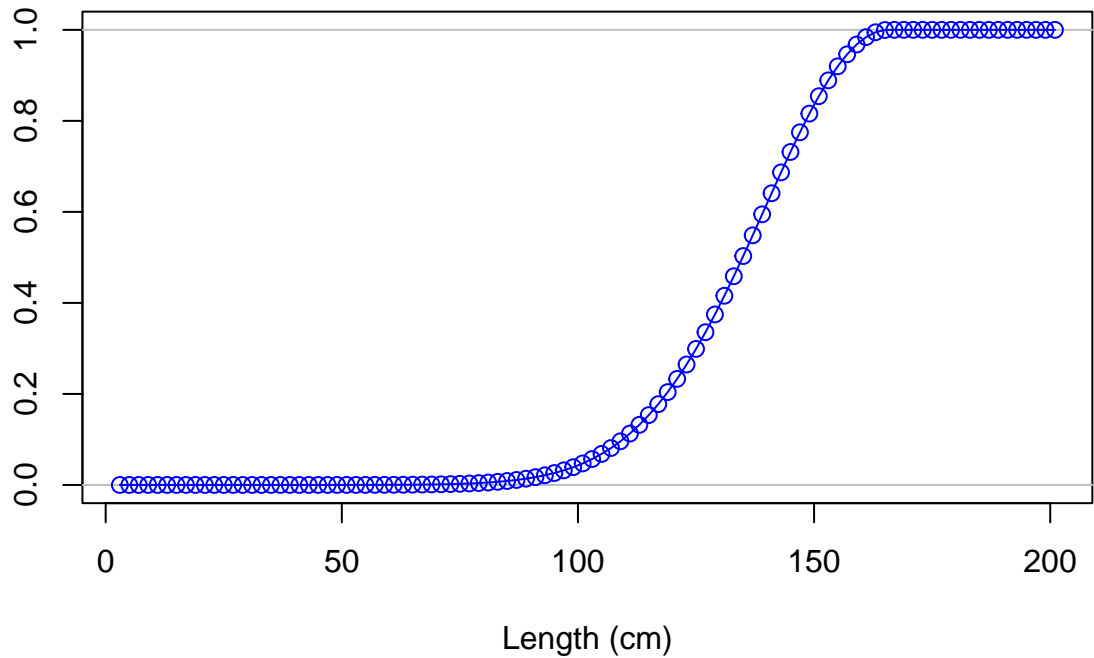
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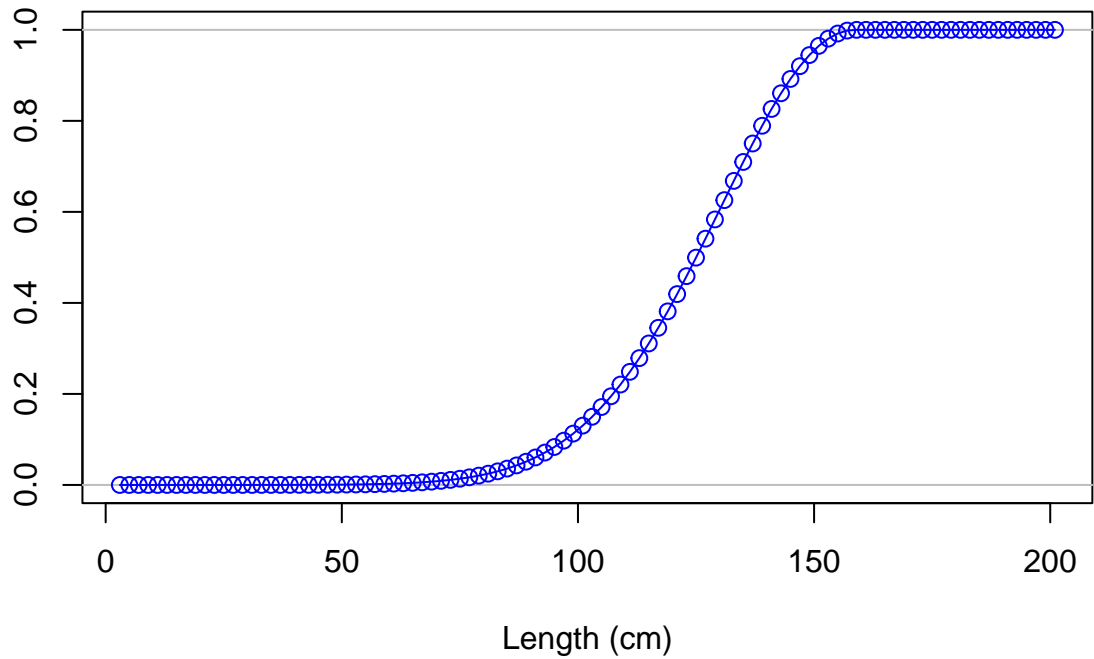
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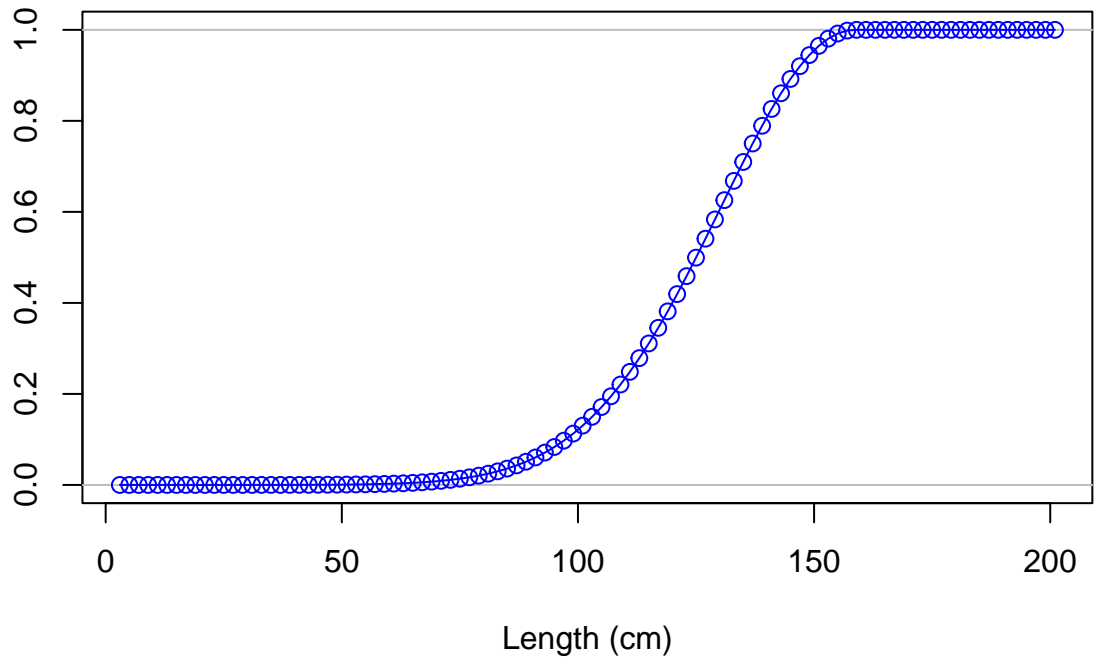
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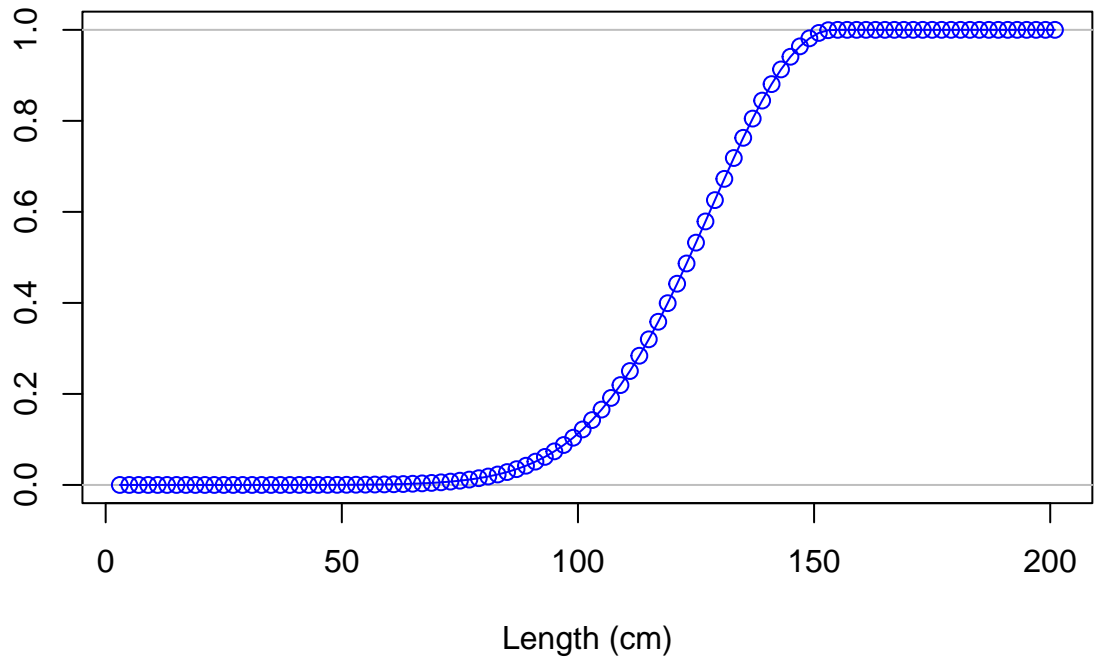
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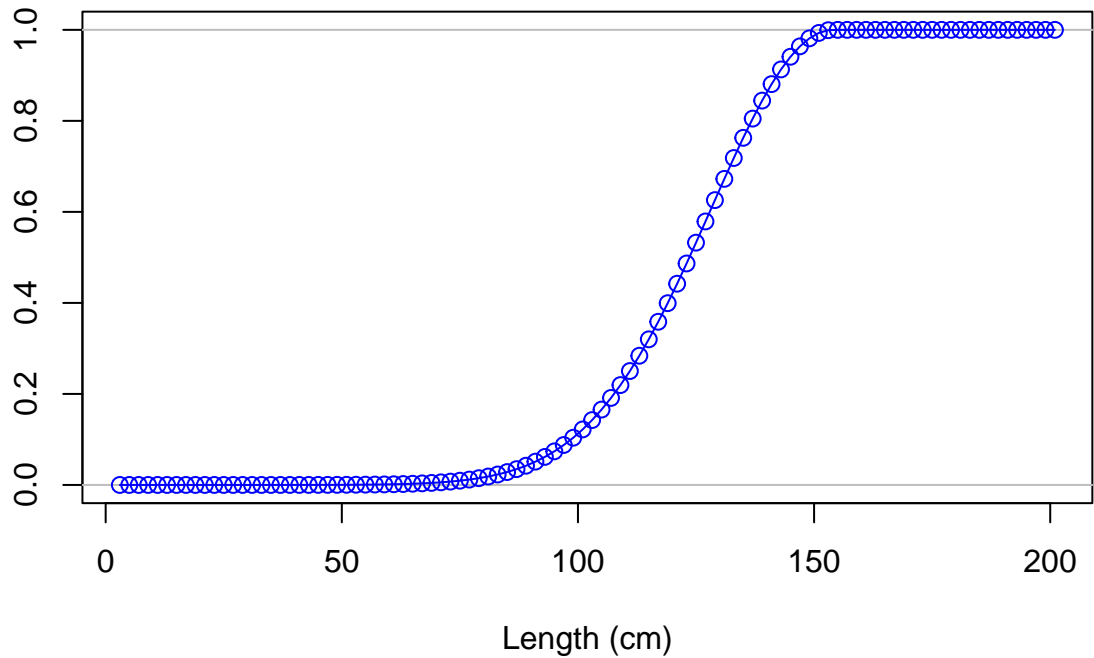
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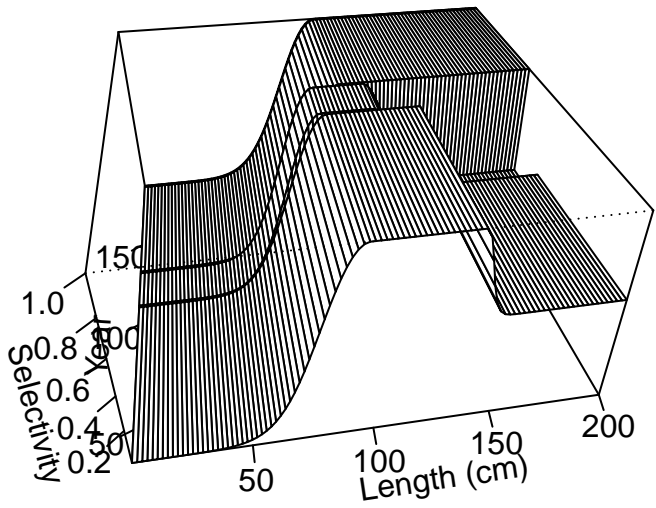


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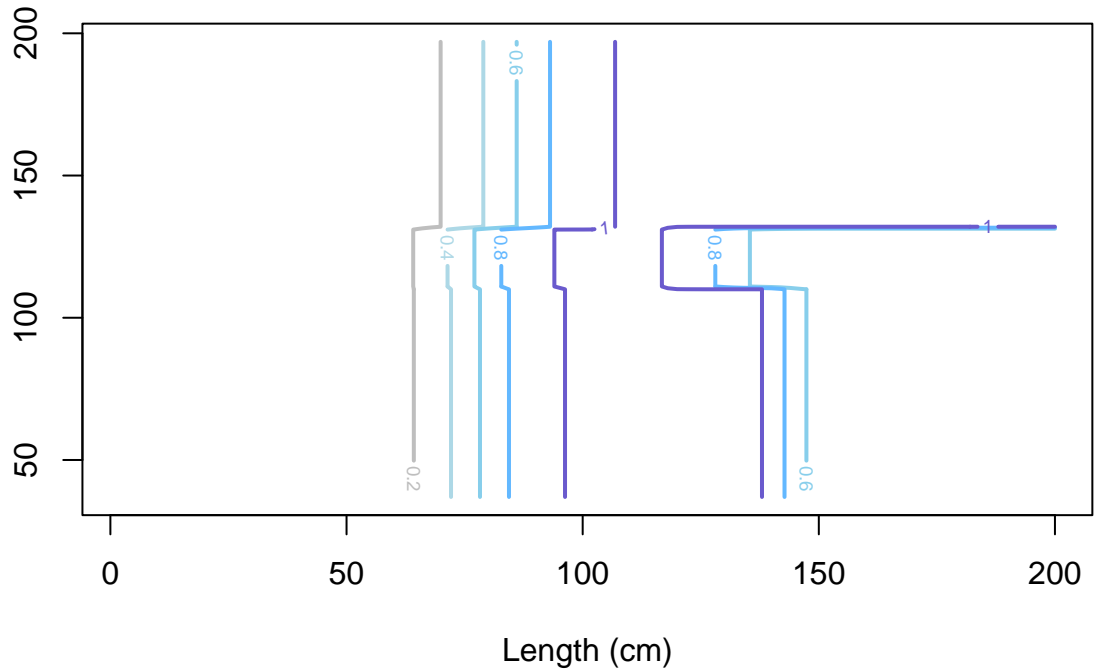


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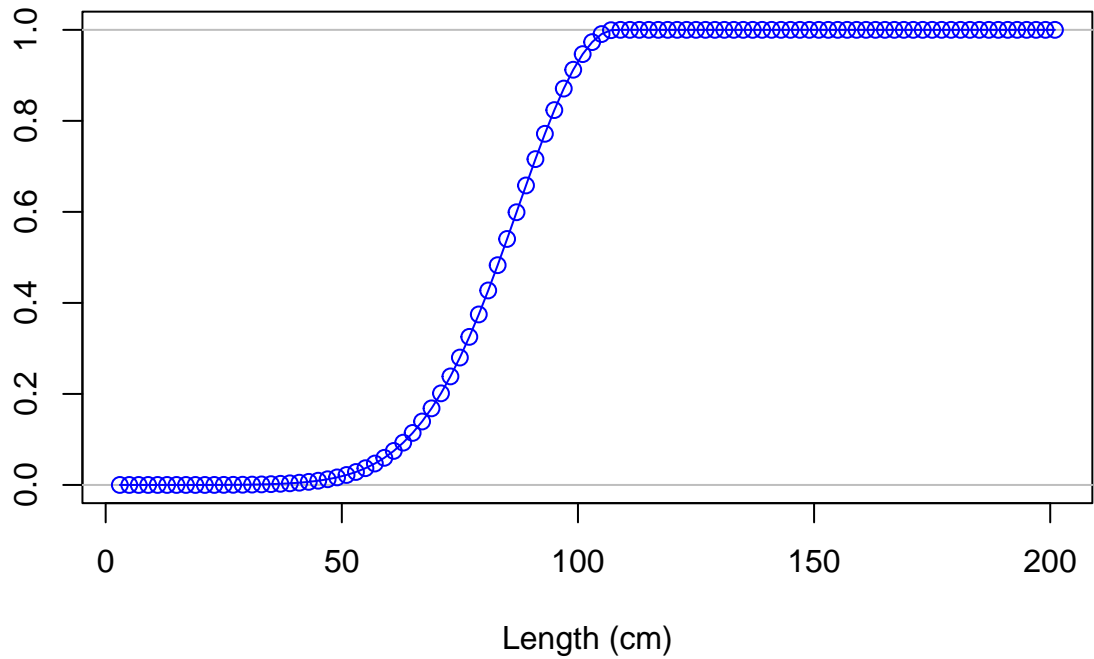


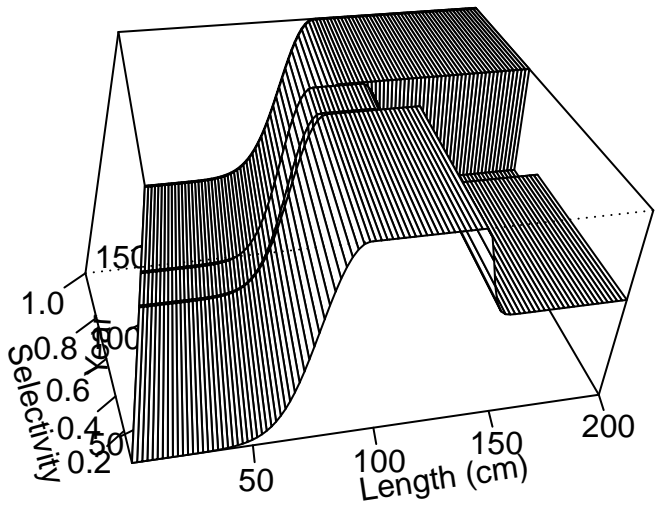


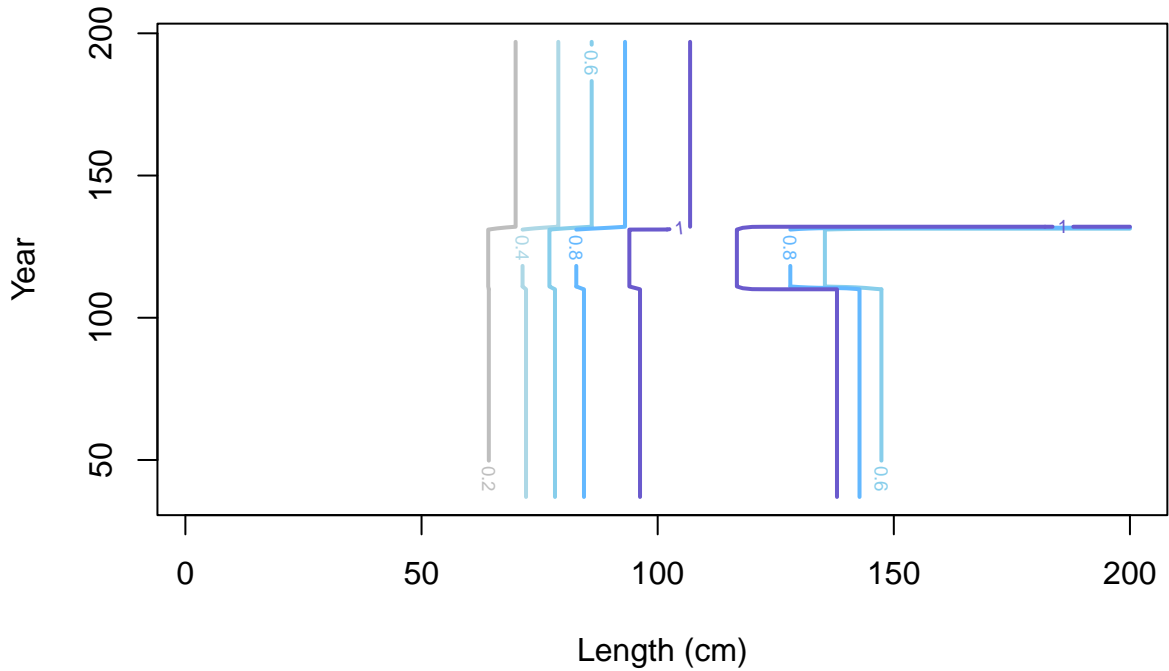
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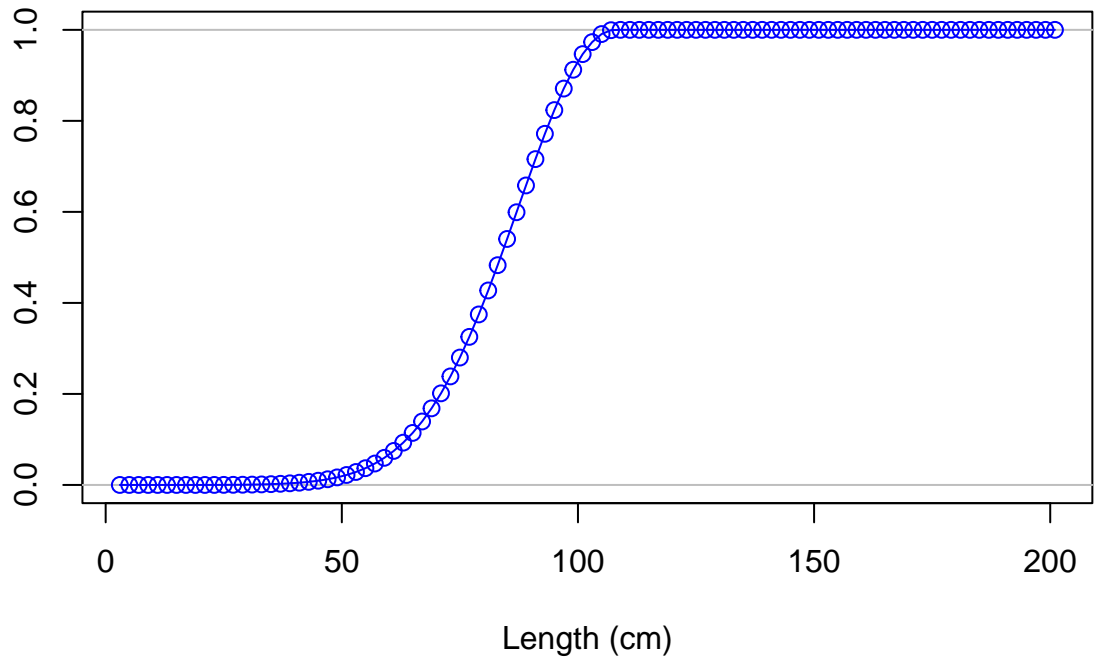
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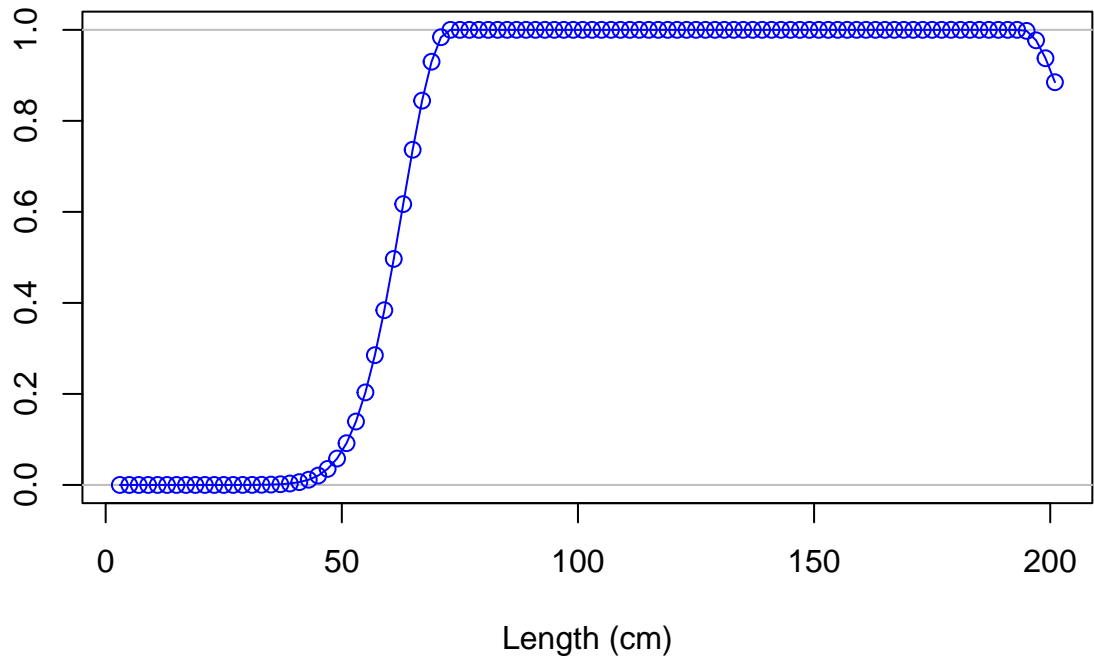




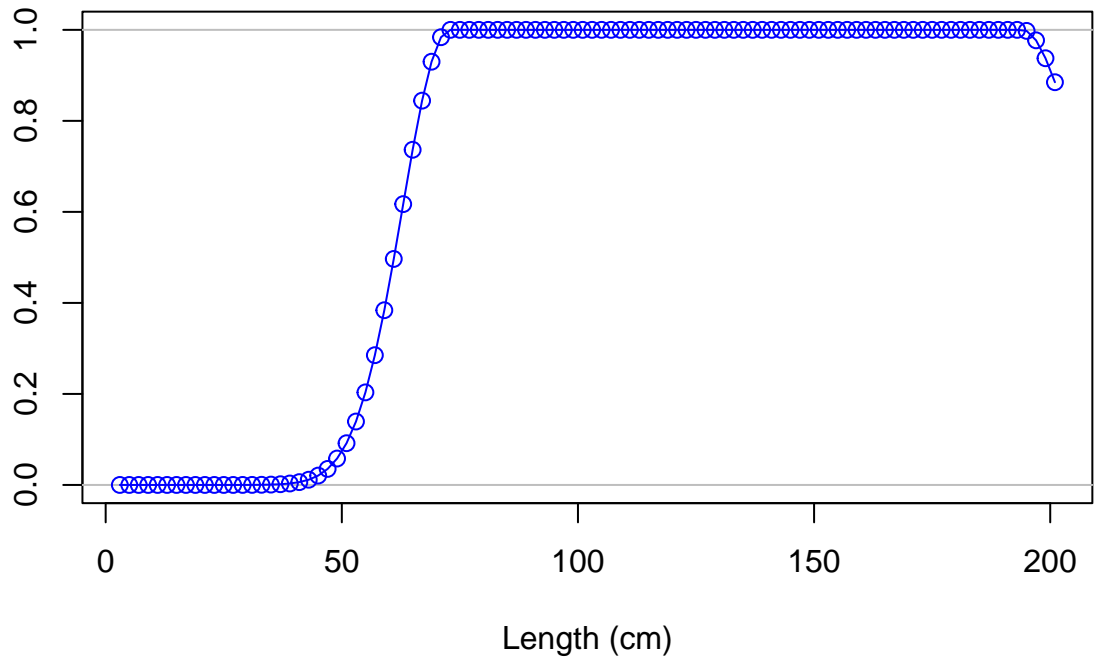
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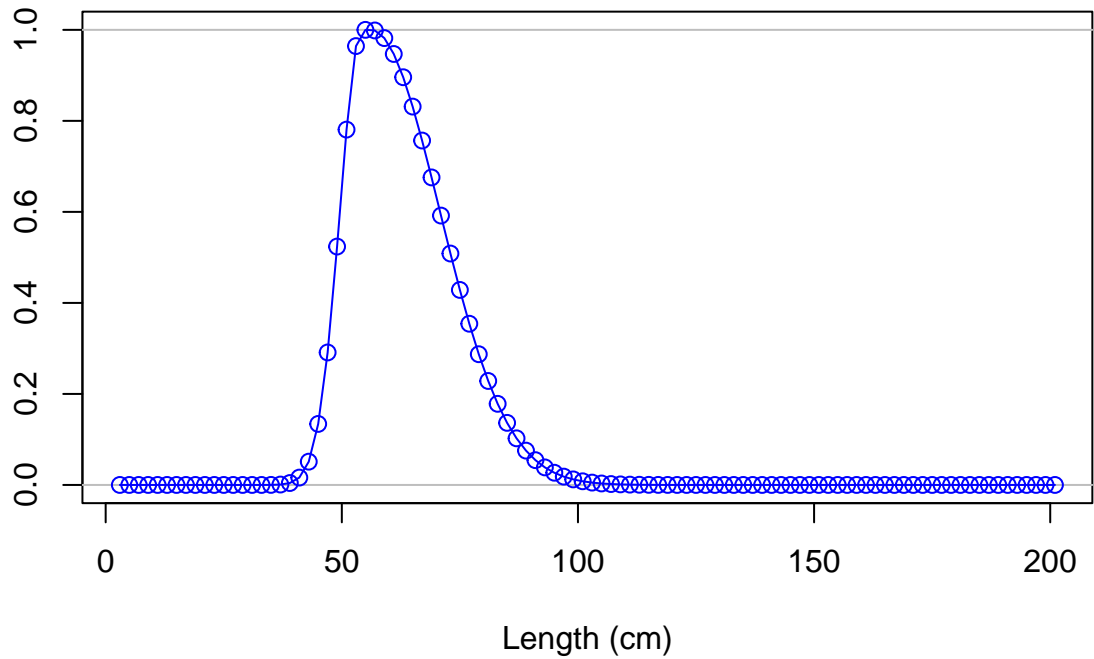
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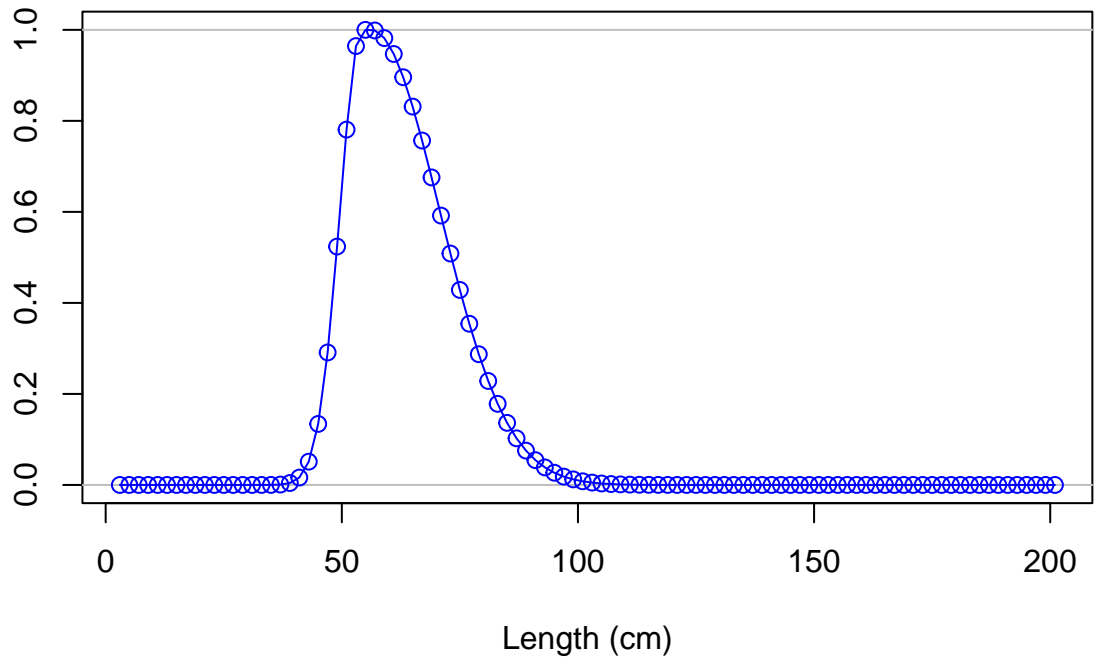
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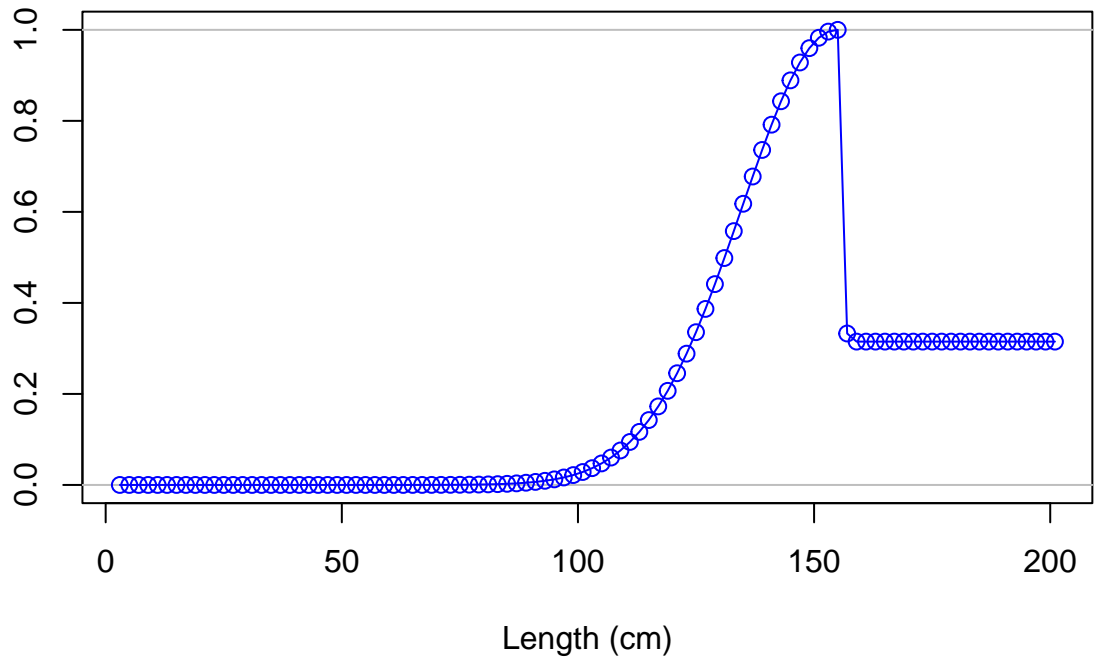
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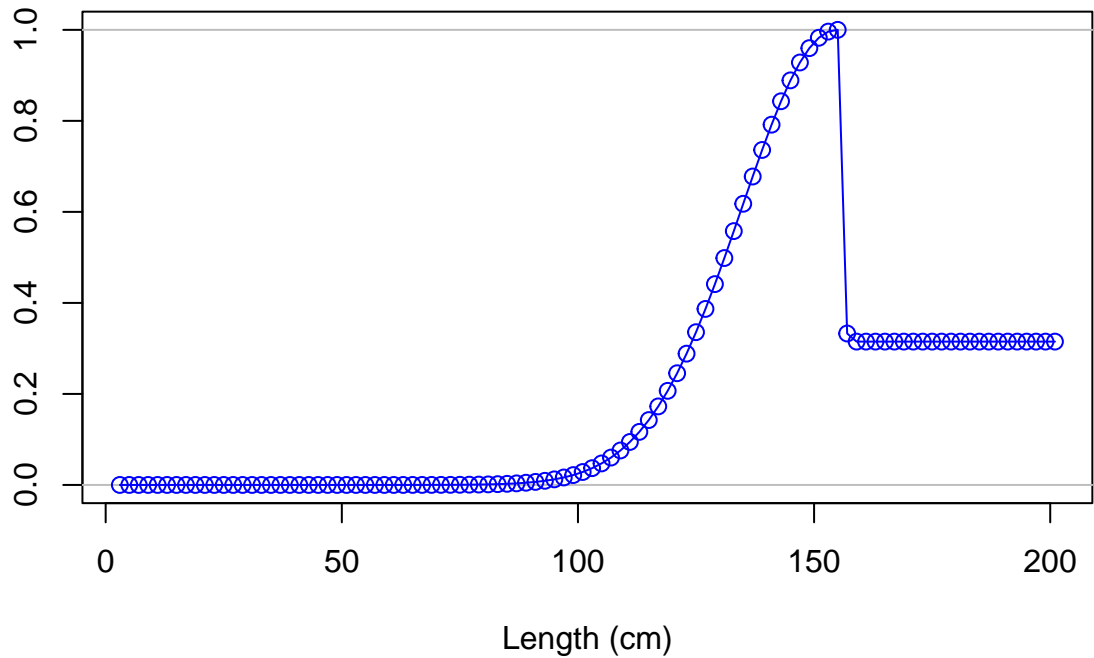
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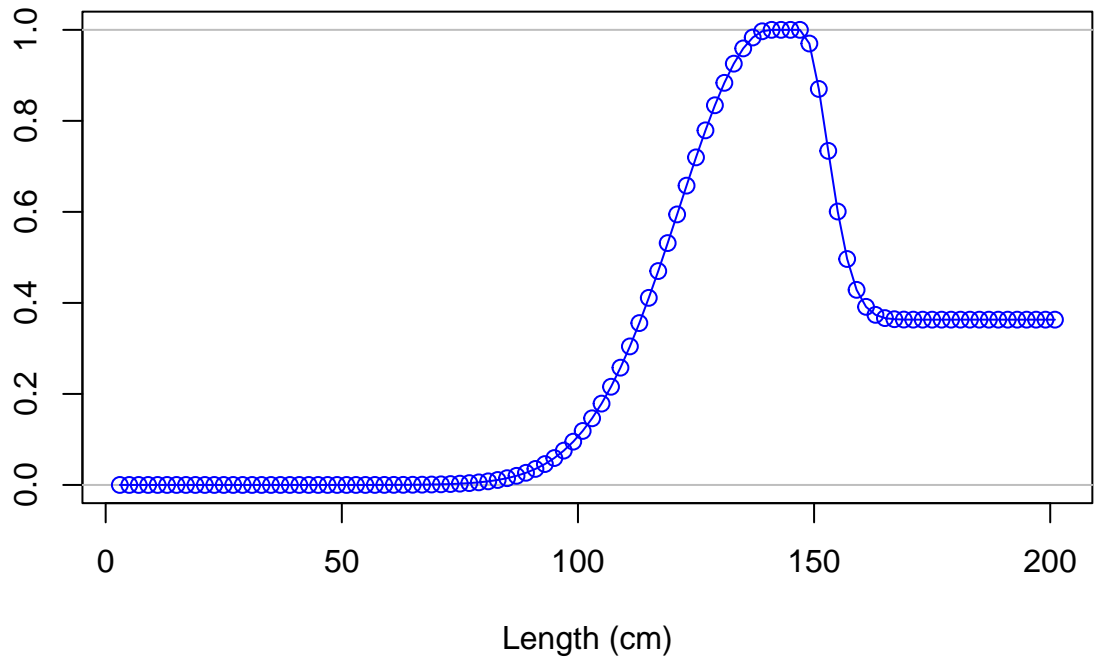
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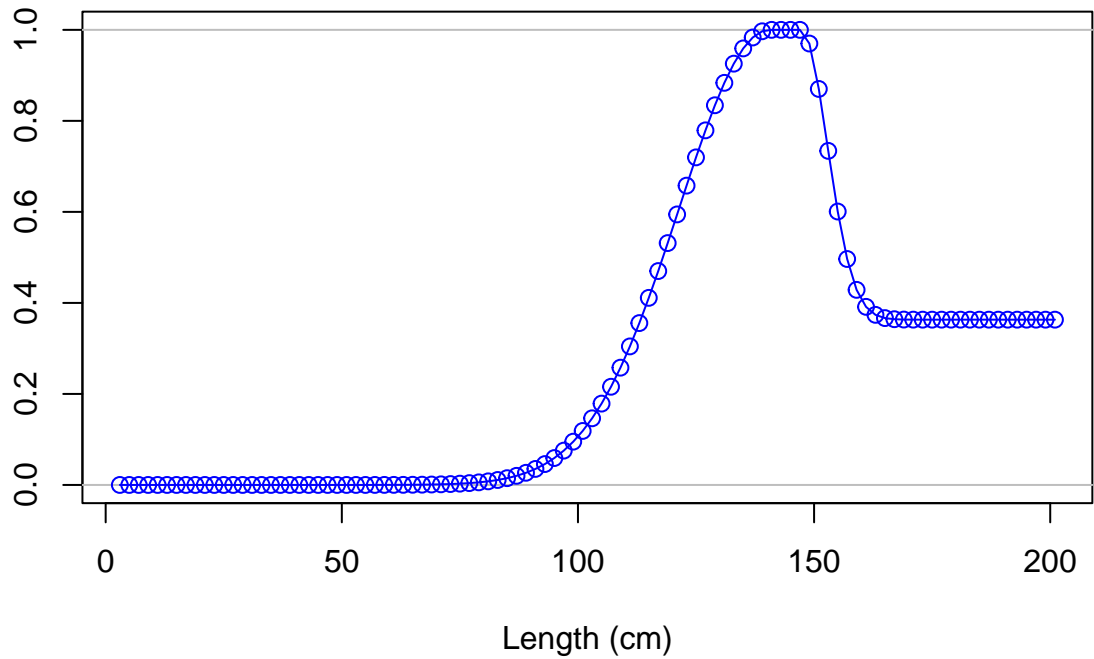
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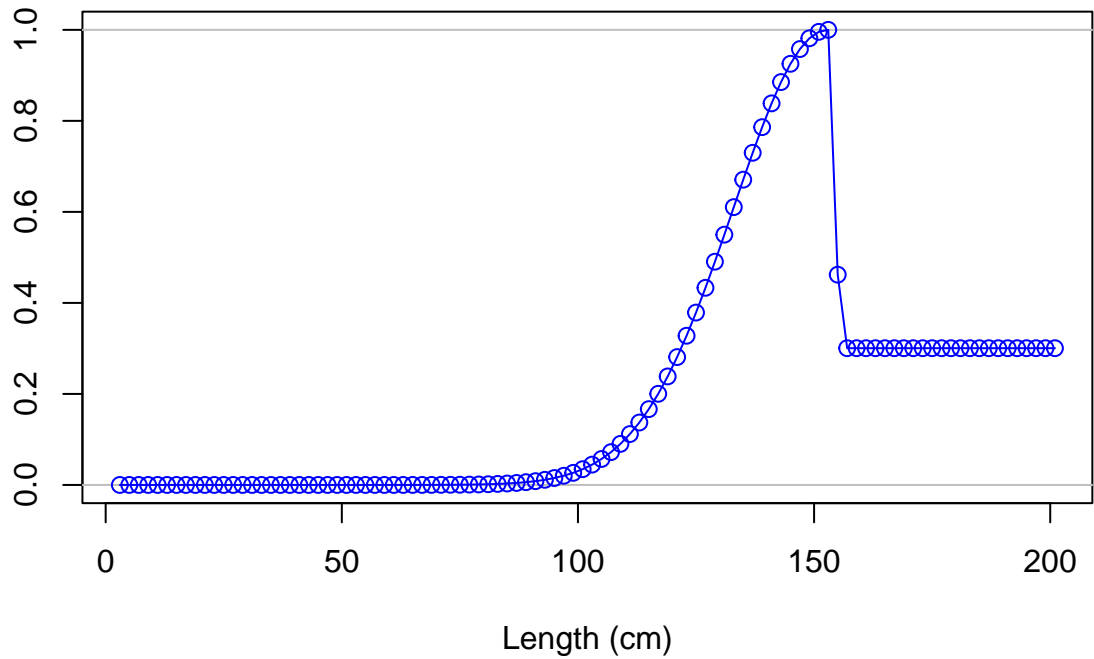
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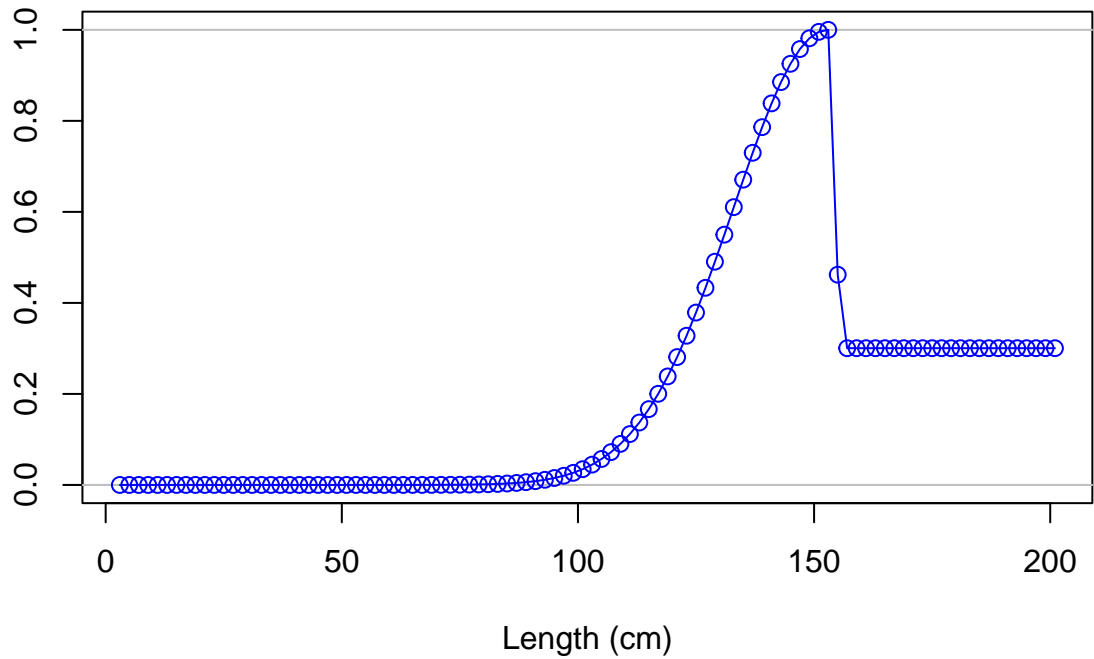
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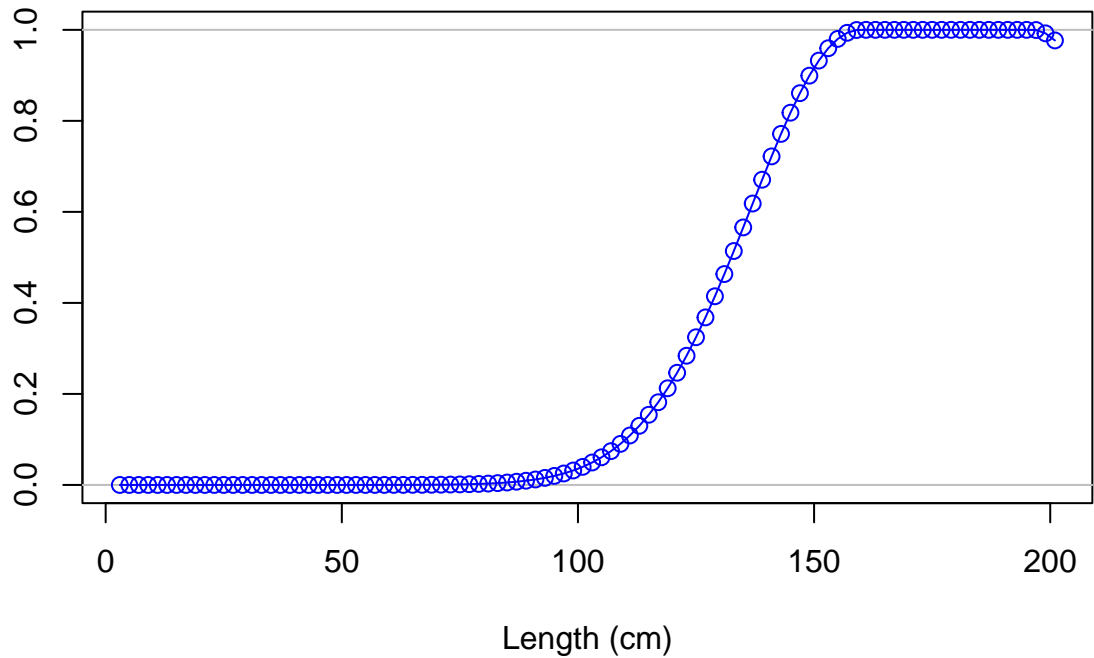
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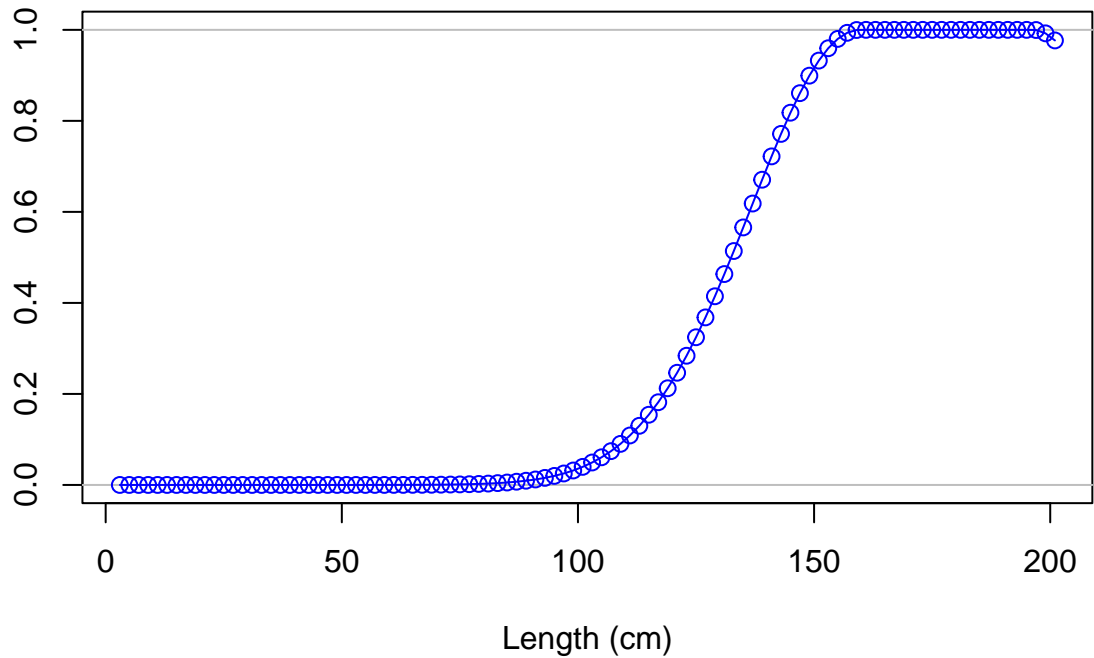
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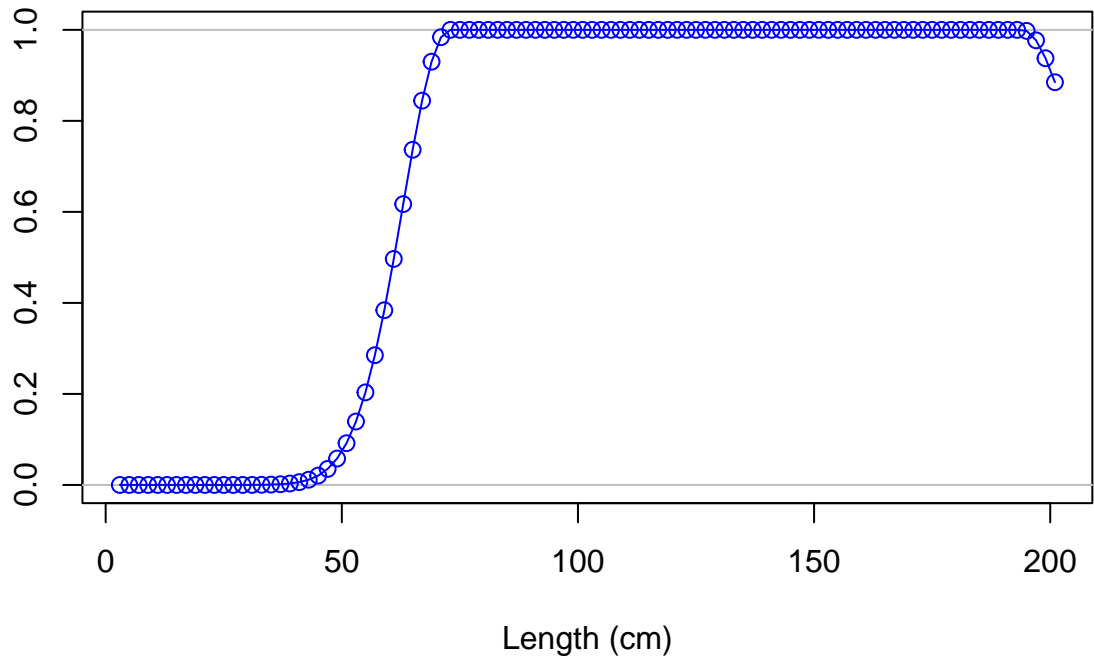
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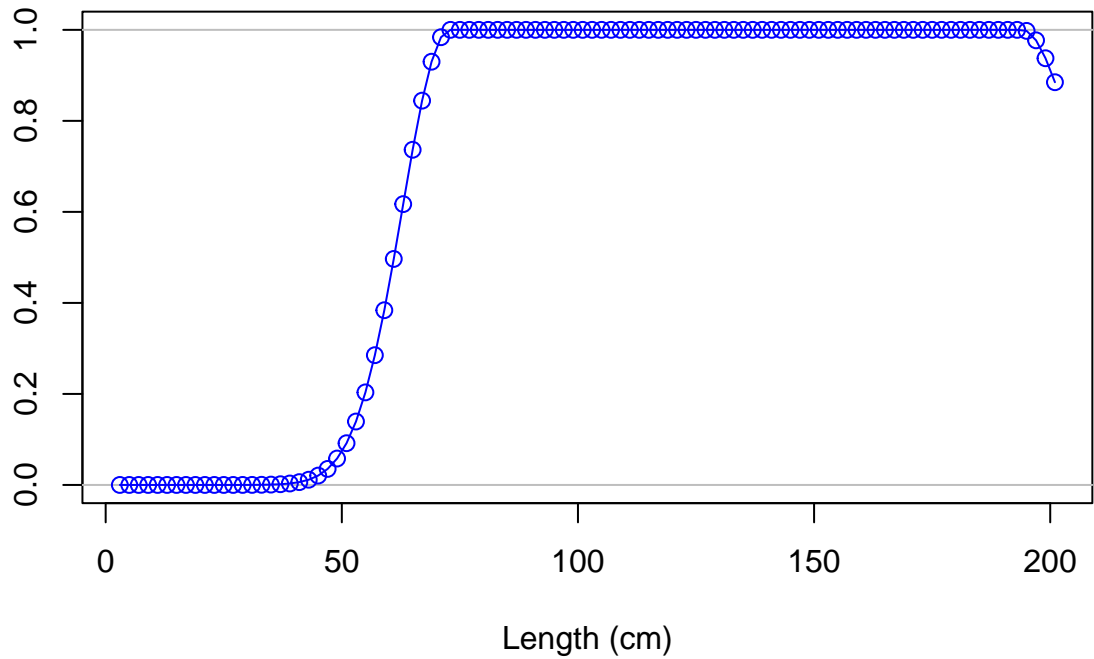
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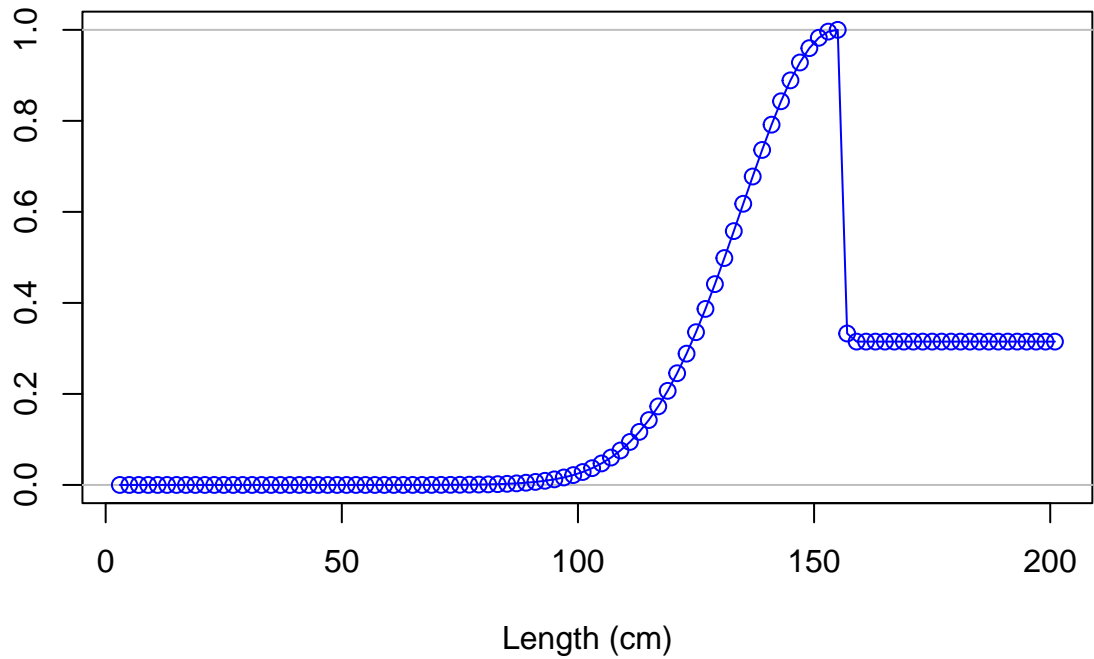
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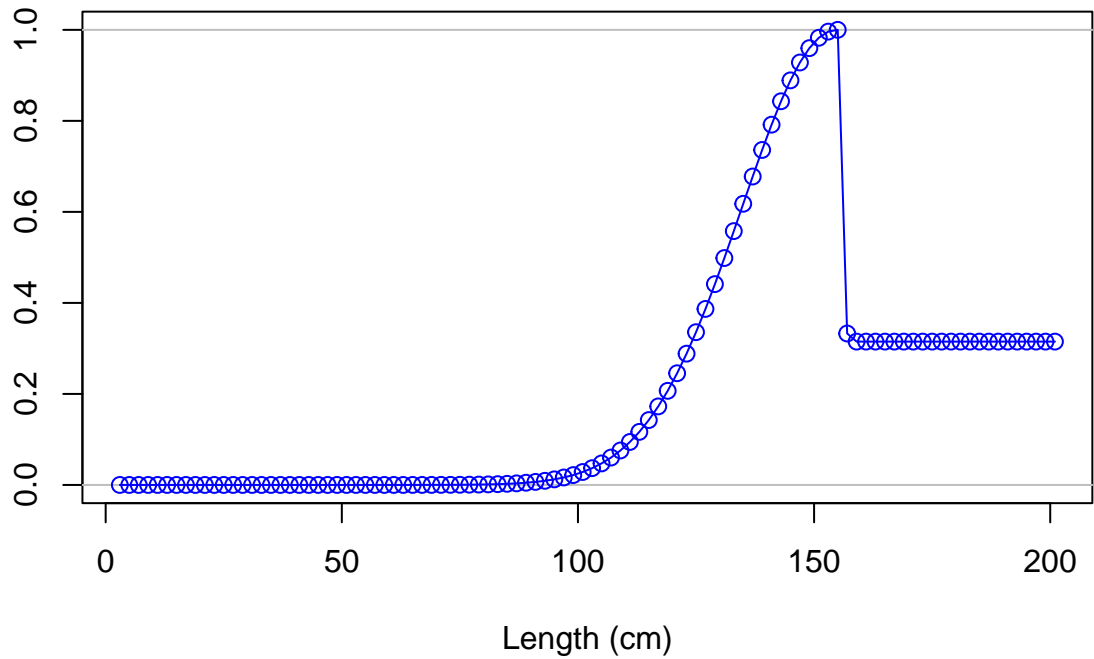
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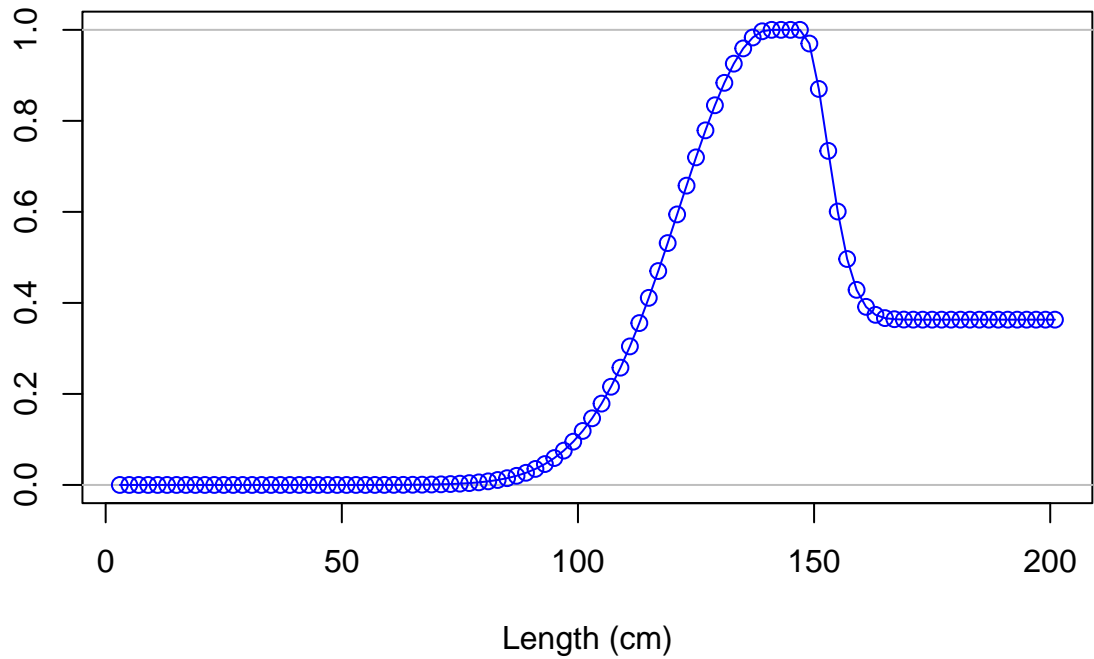
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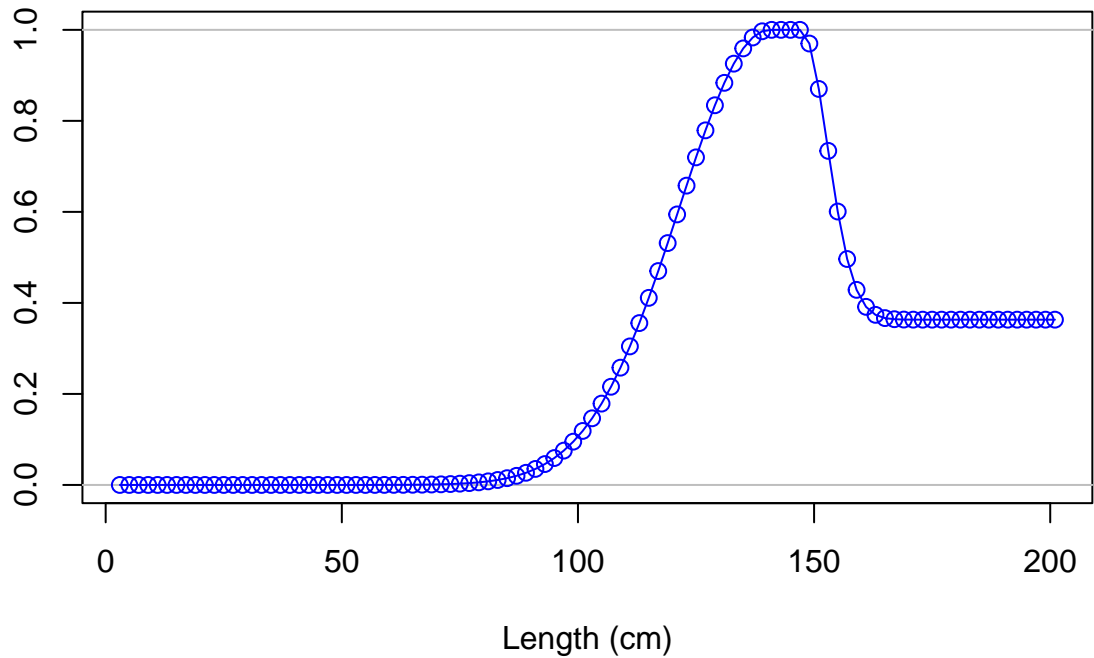
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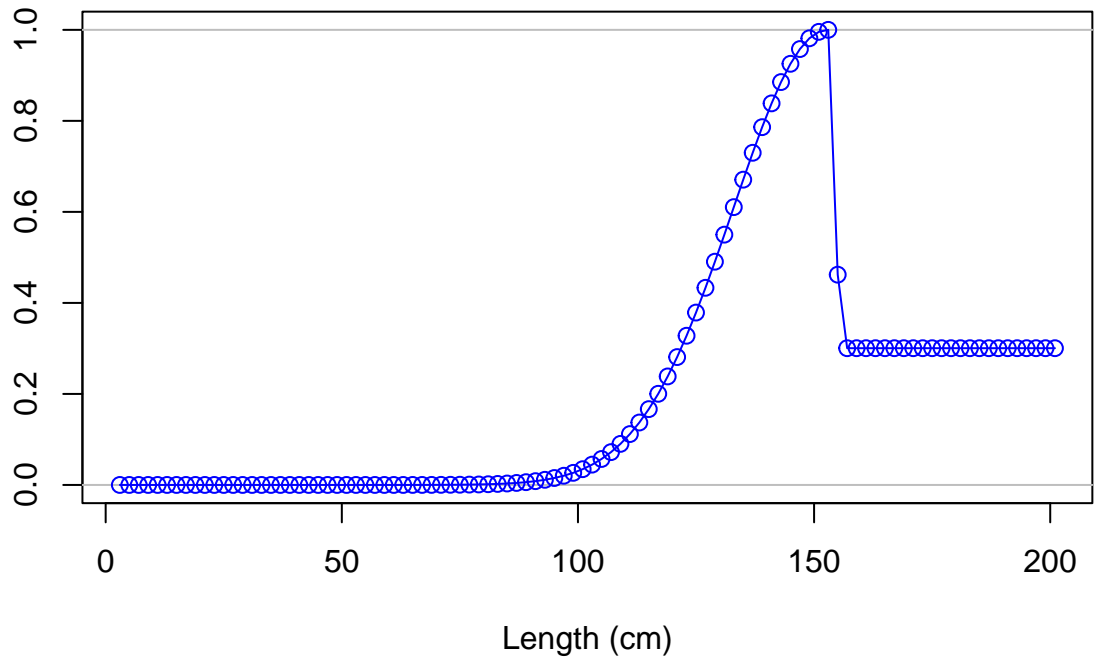
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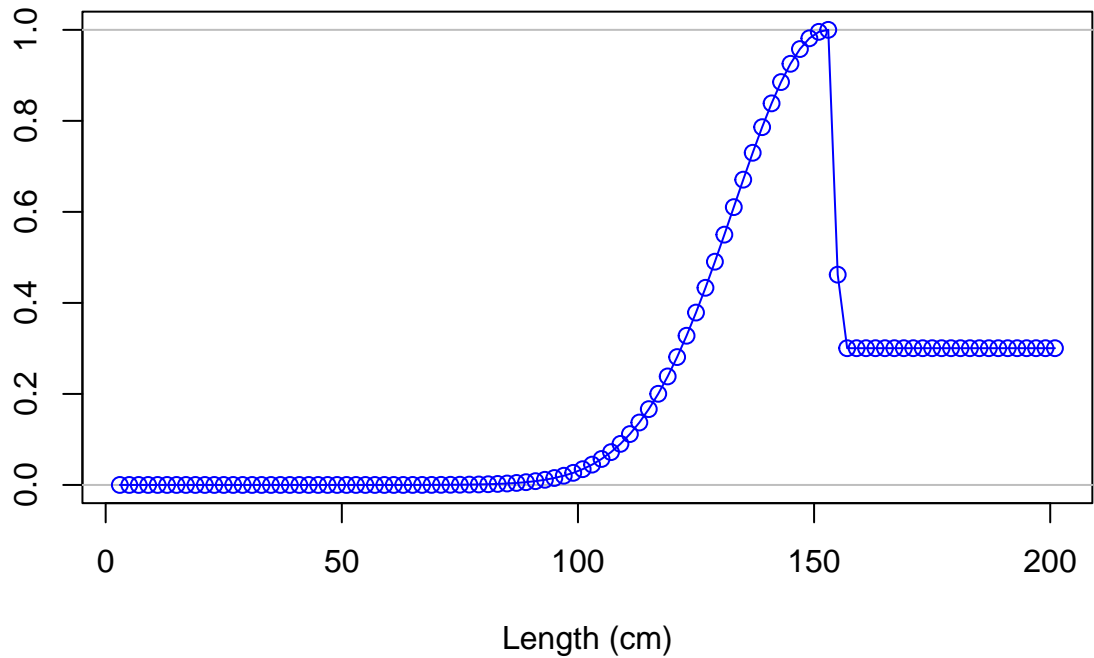
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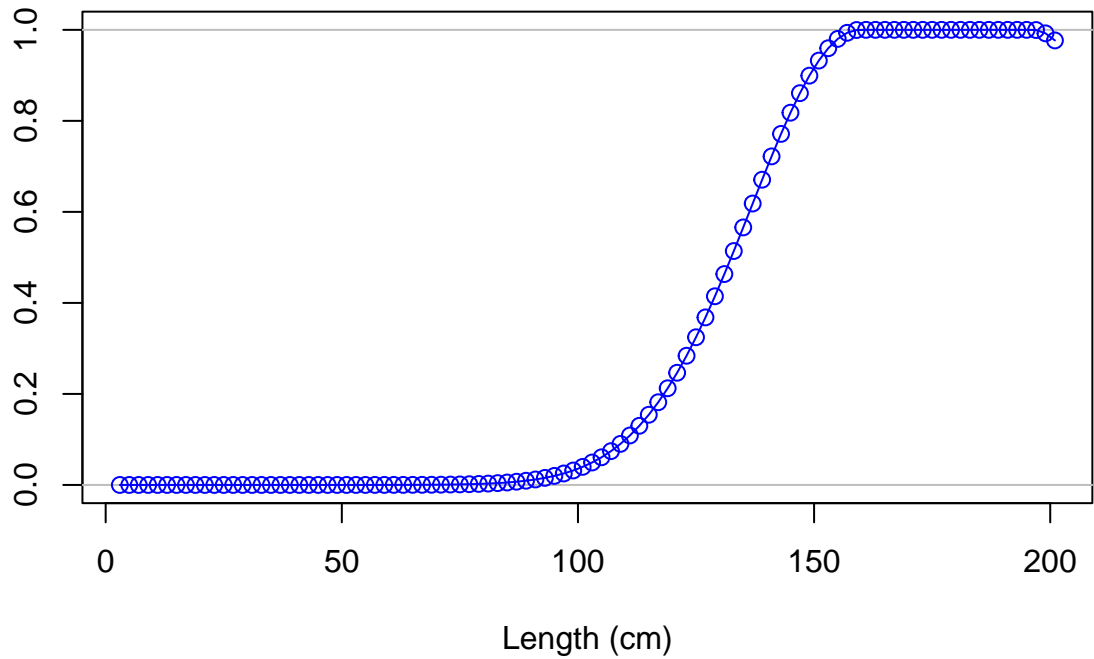
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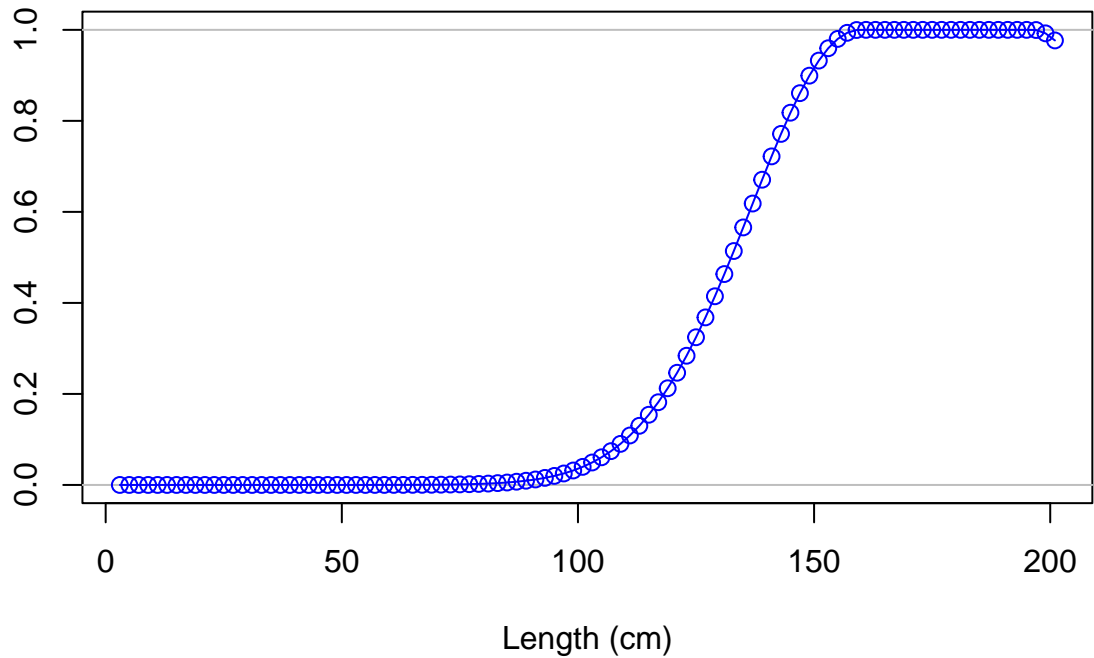
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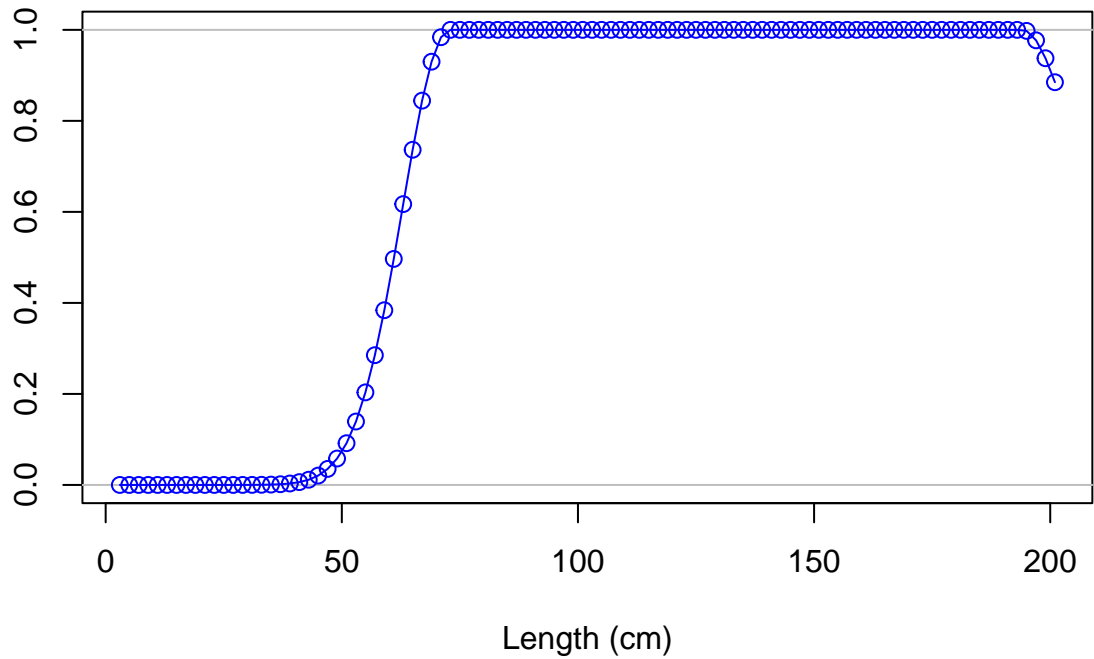
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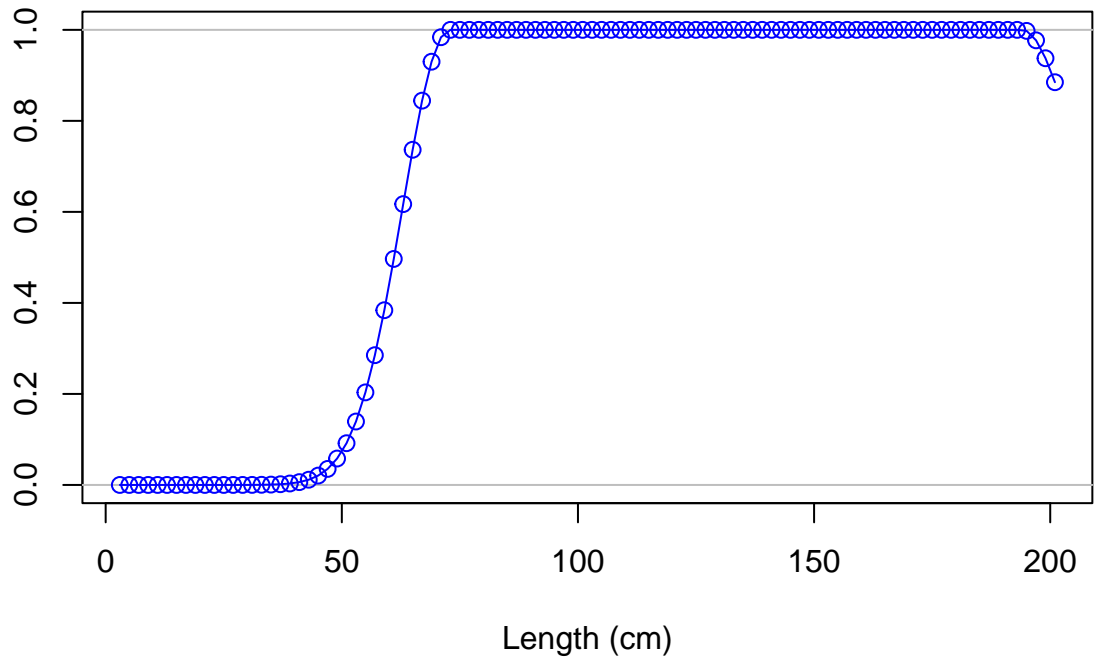
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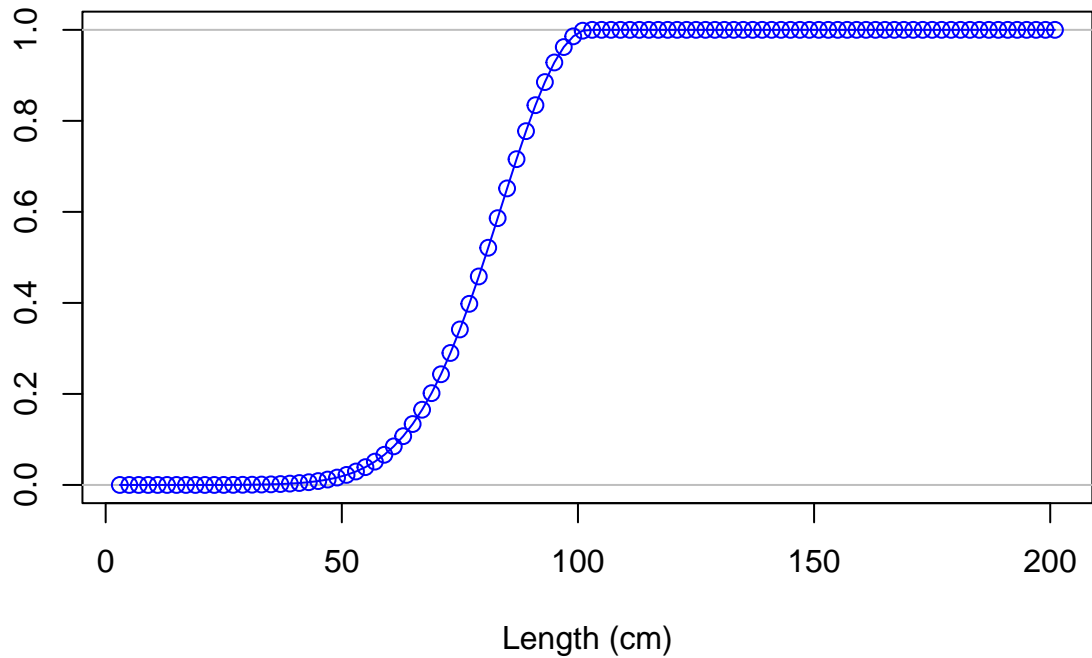
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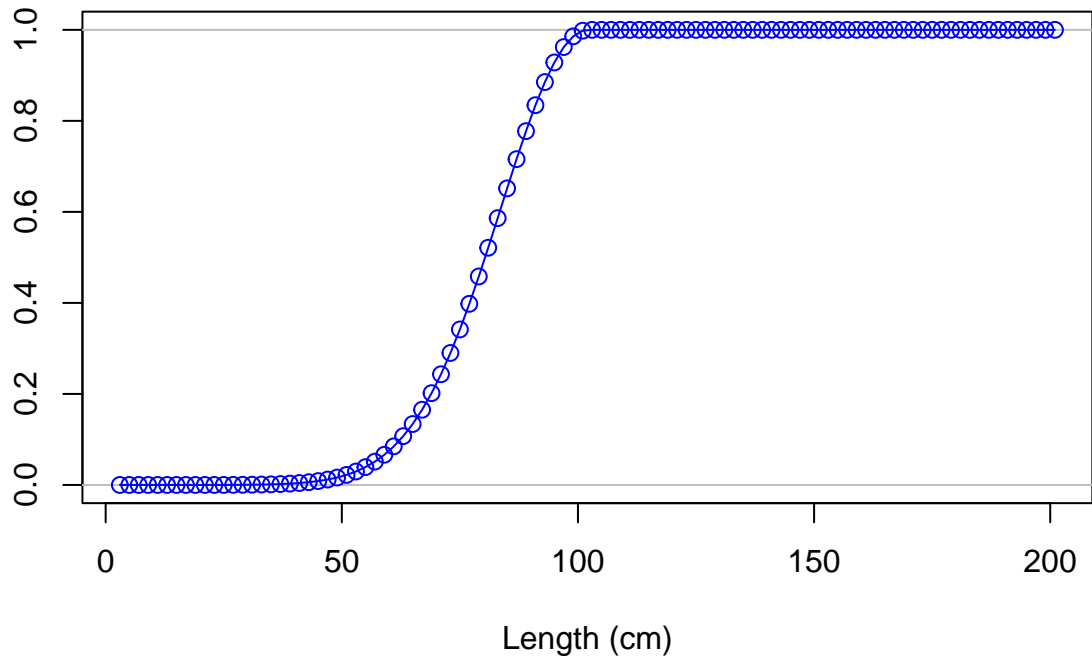
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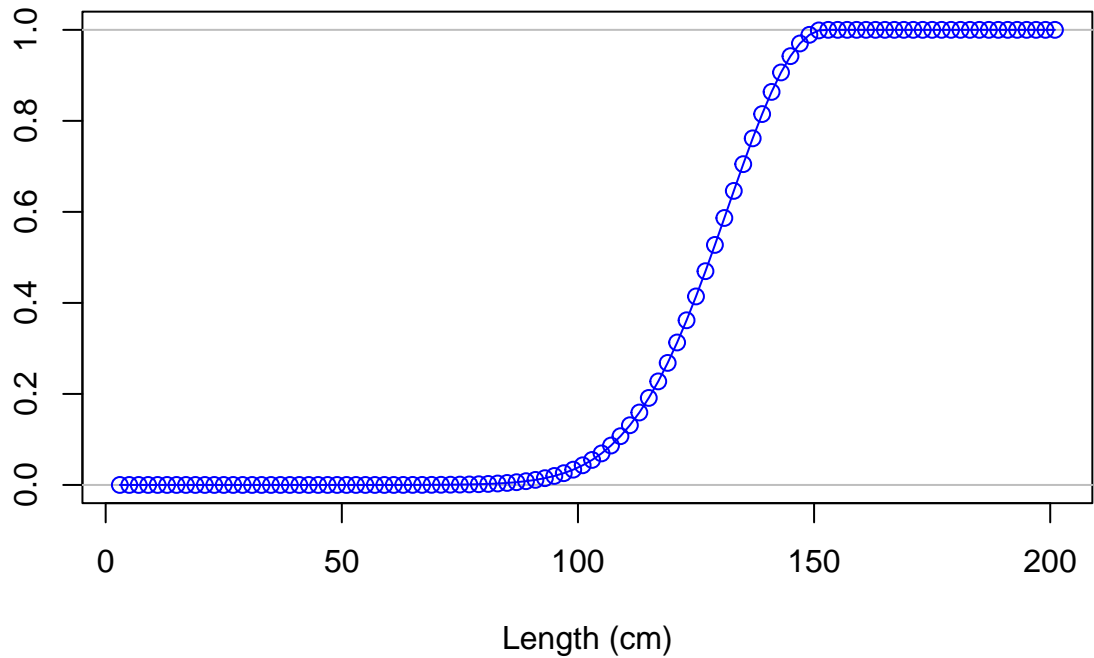
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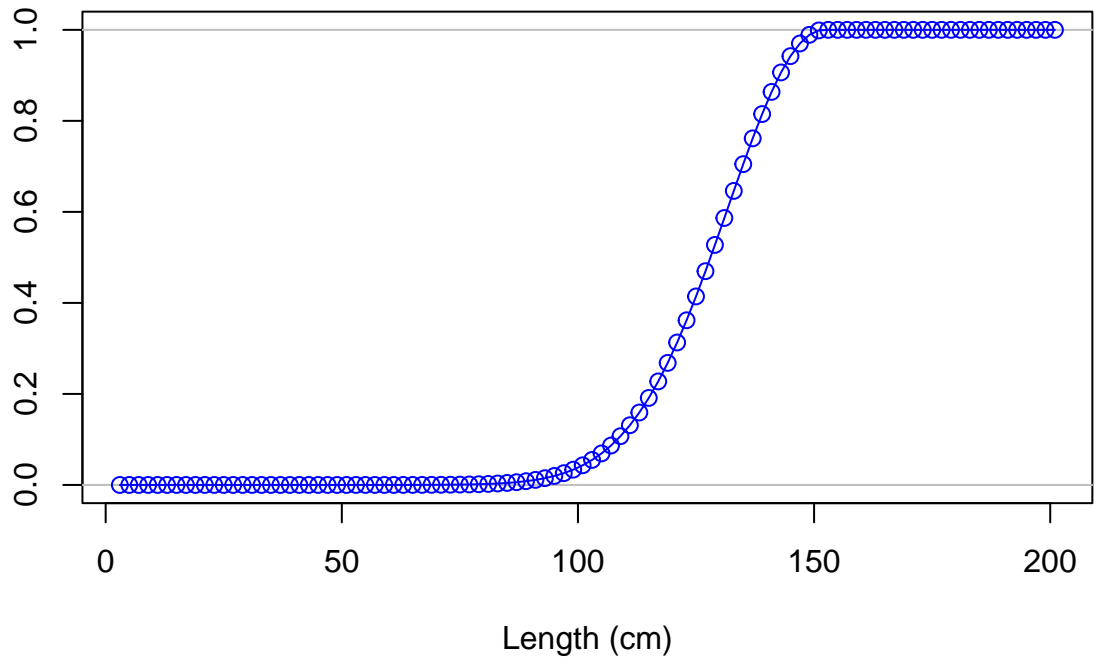
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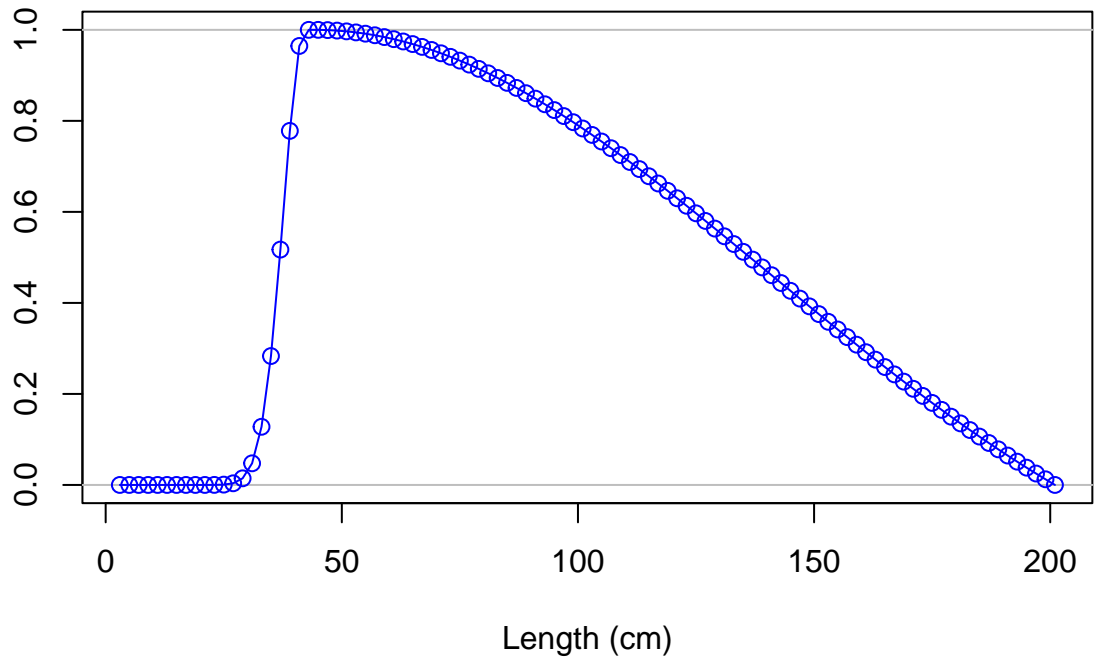
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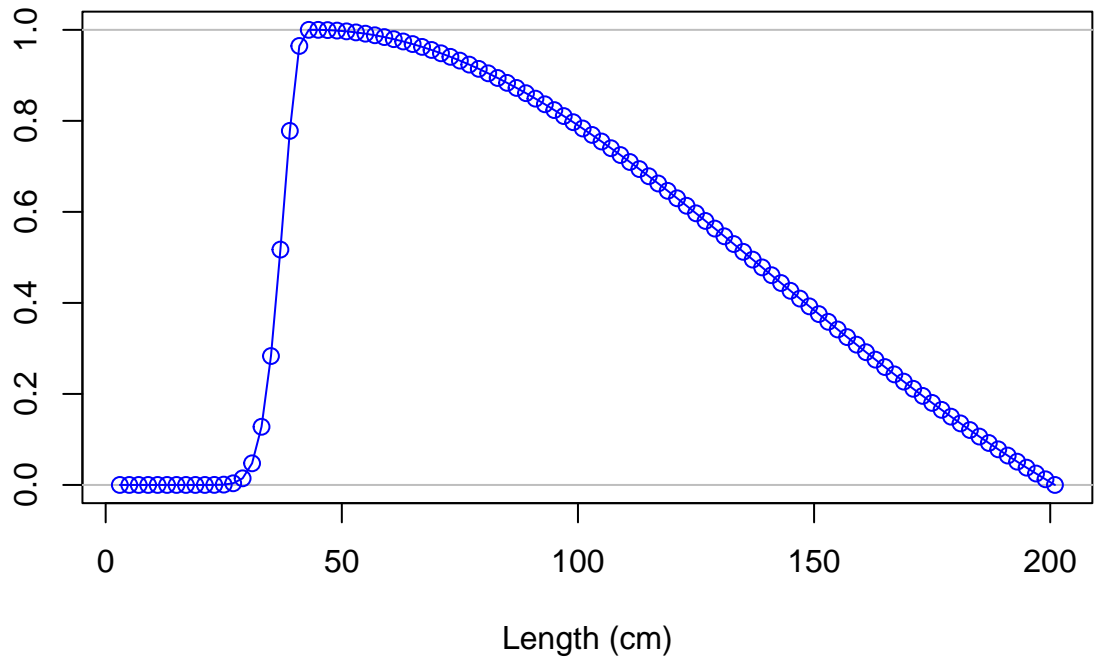
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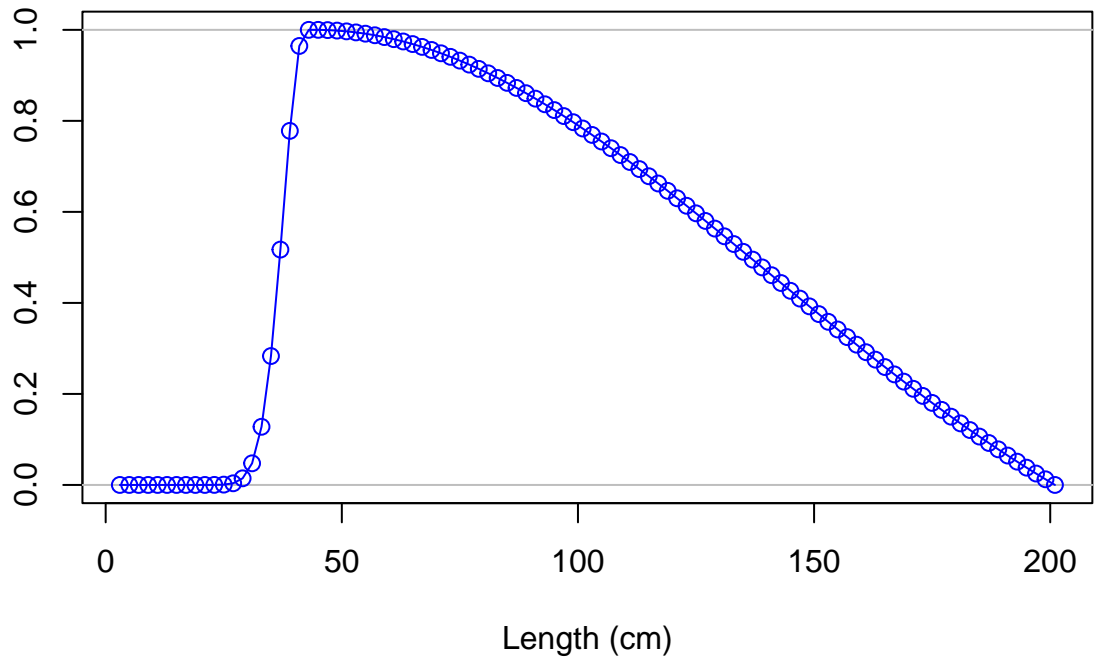
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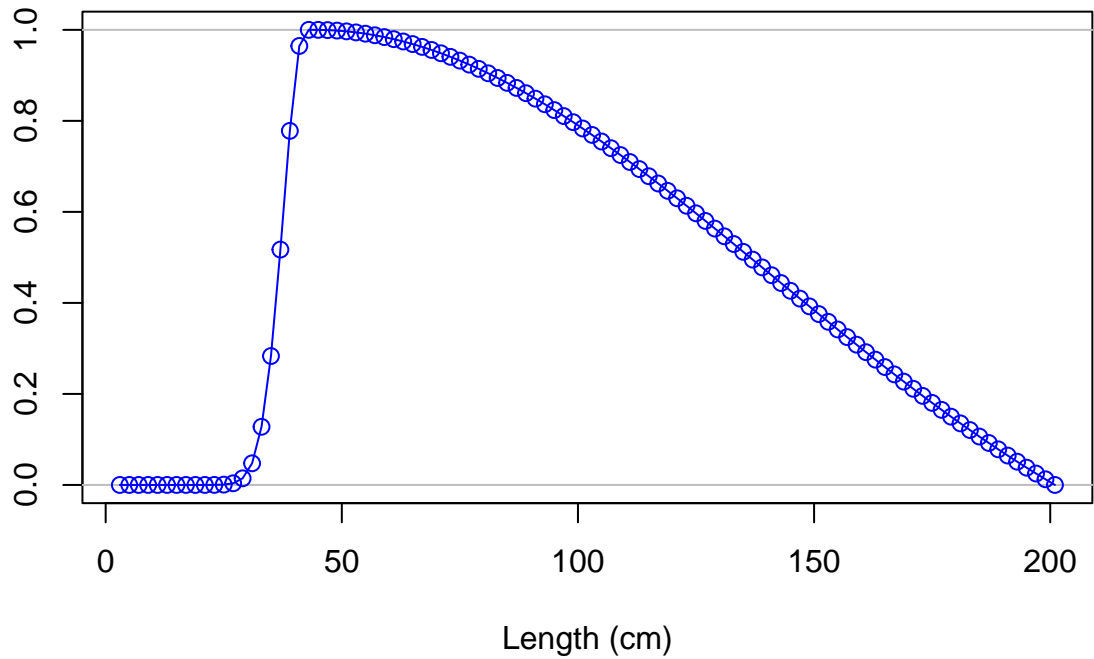
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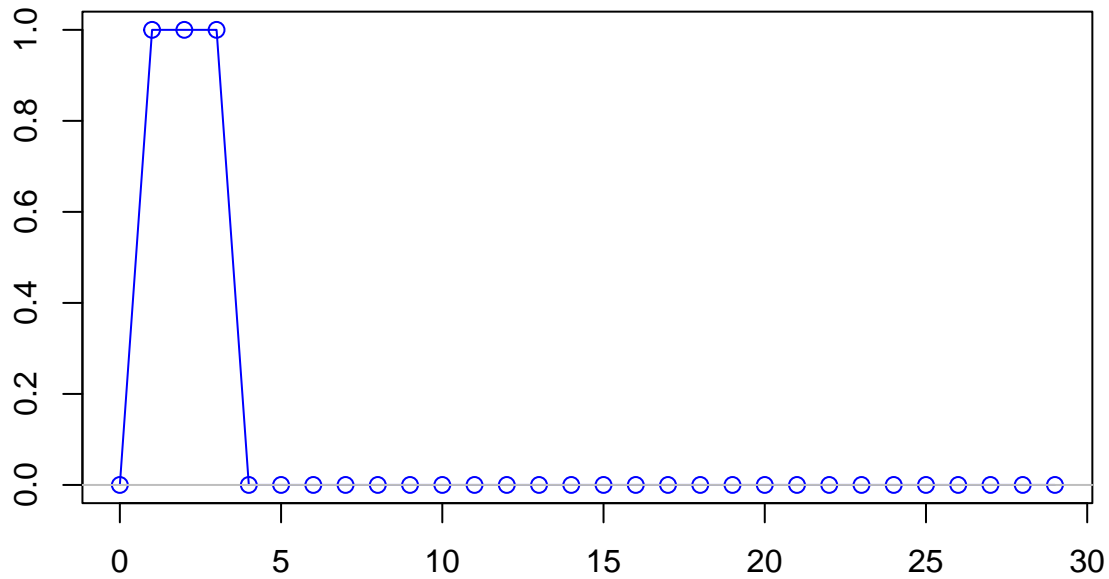
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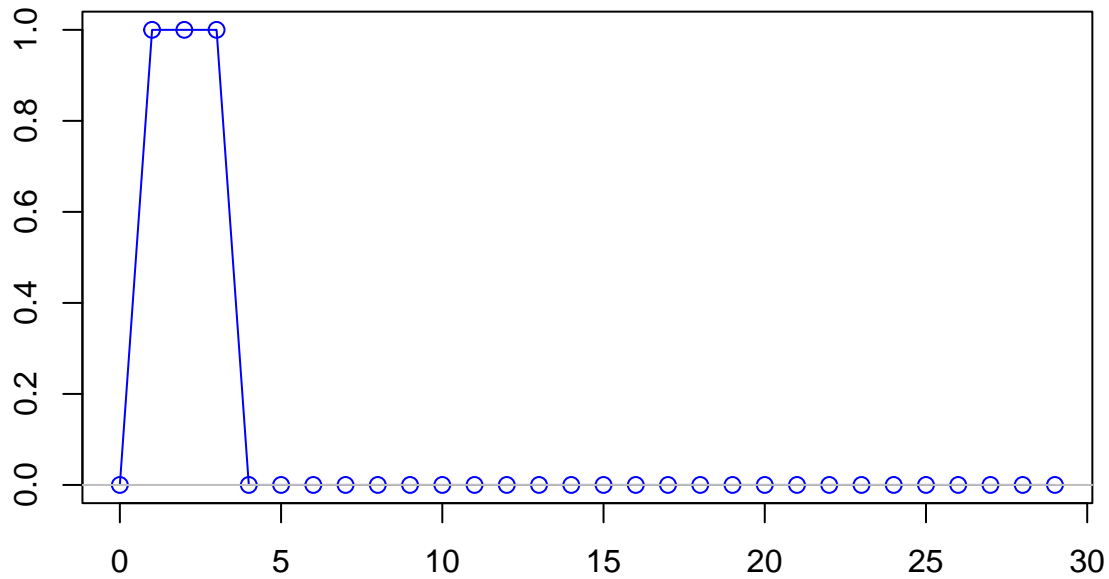


Selectivity

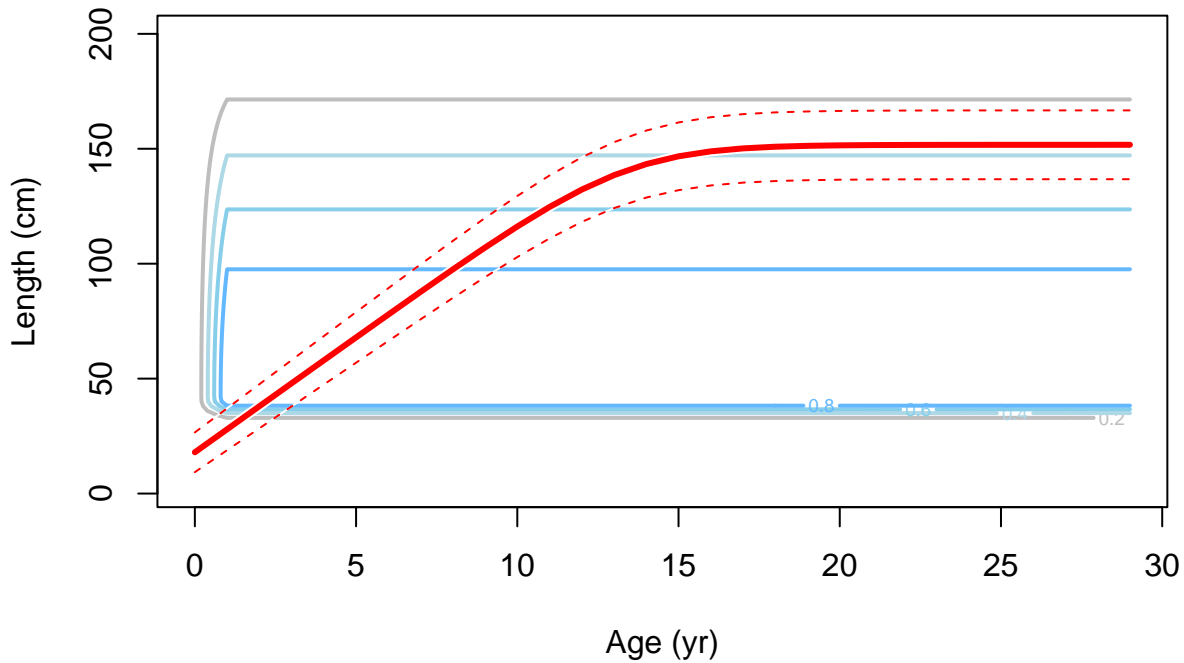


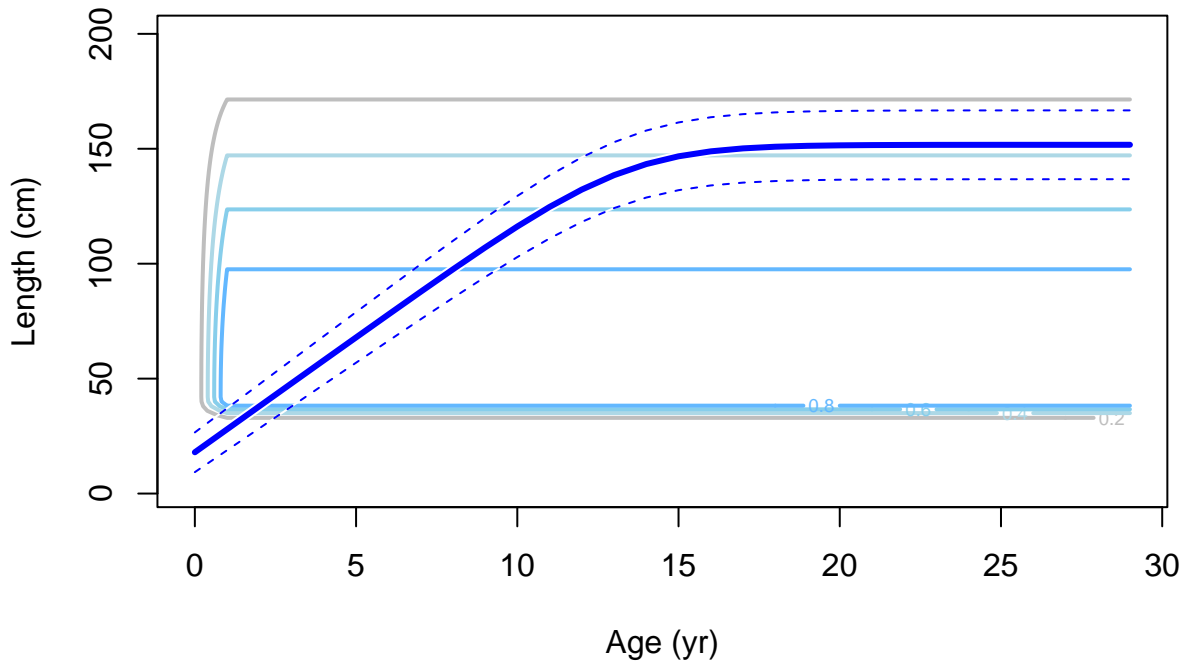
Age (yr)

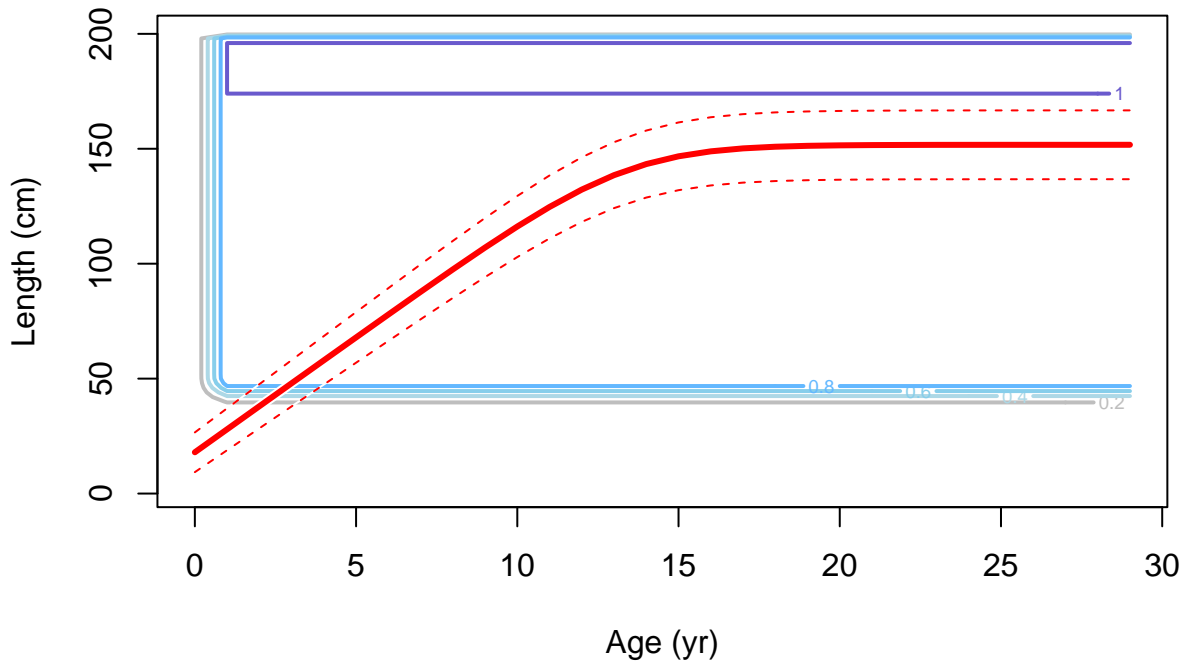
Selectivity

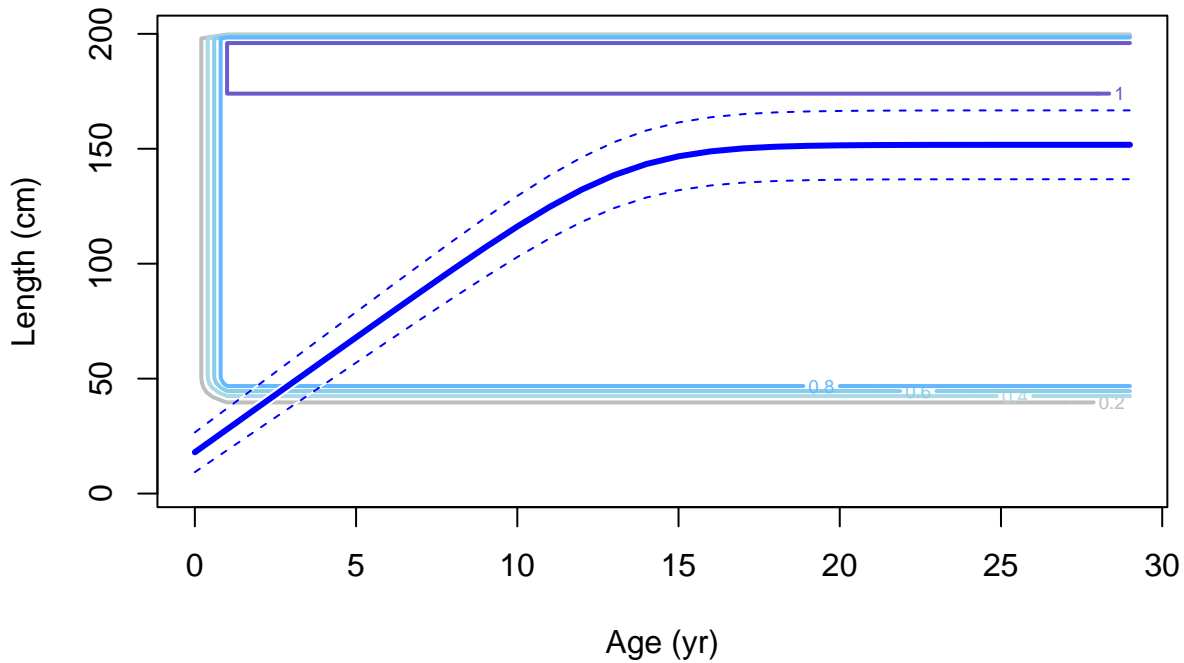


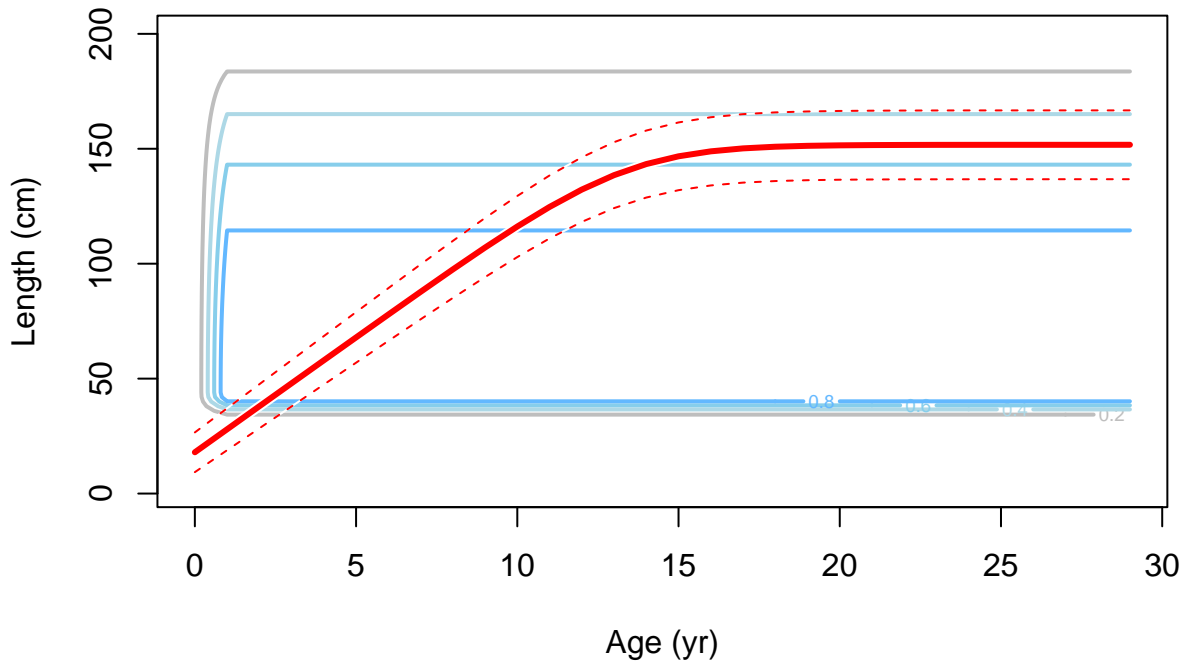
Age (yr)

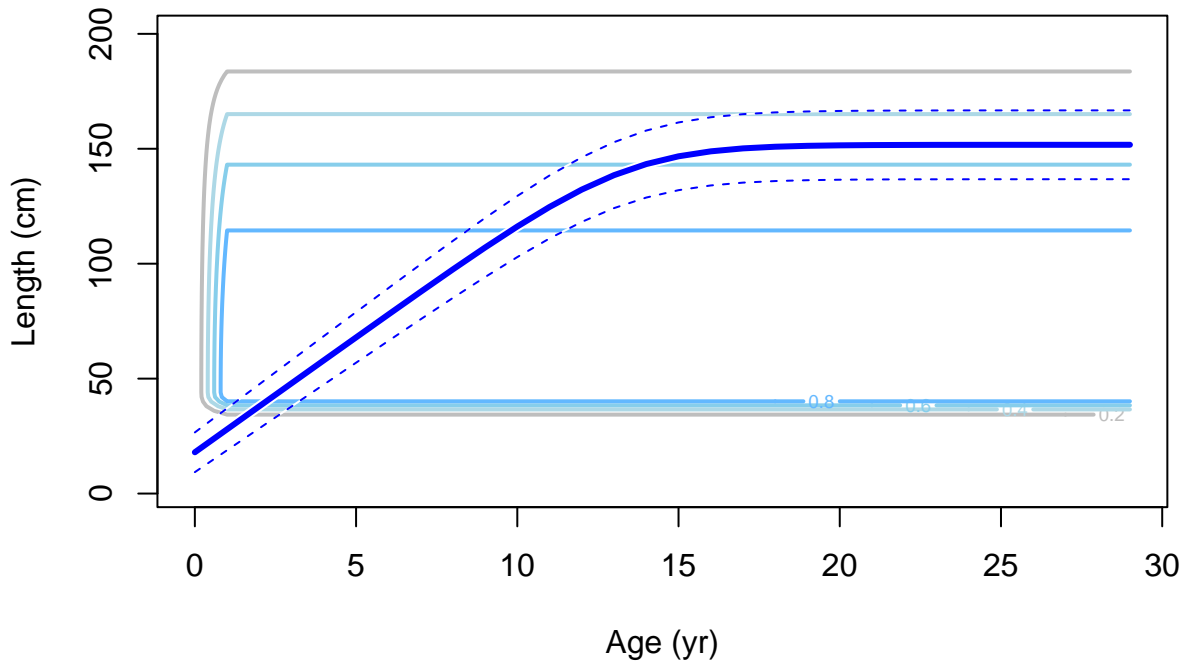


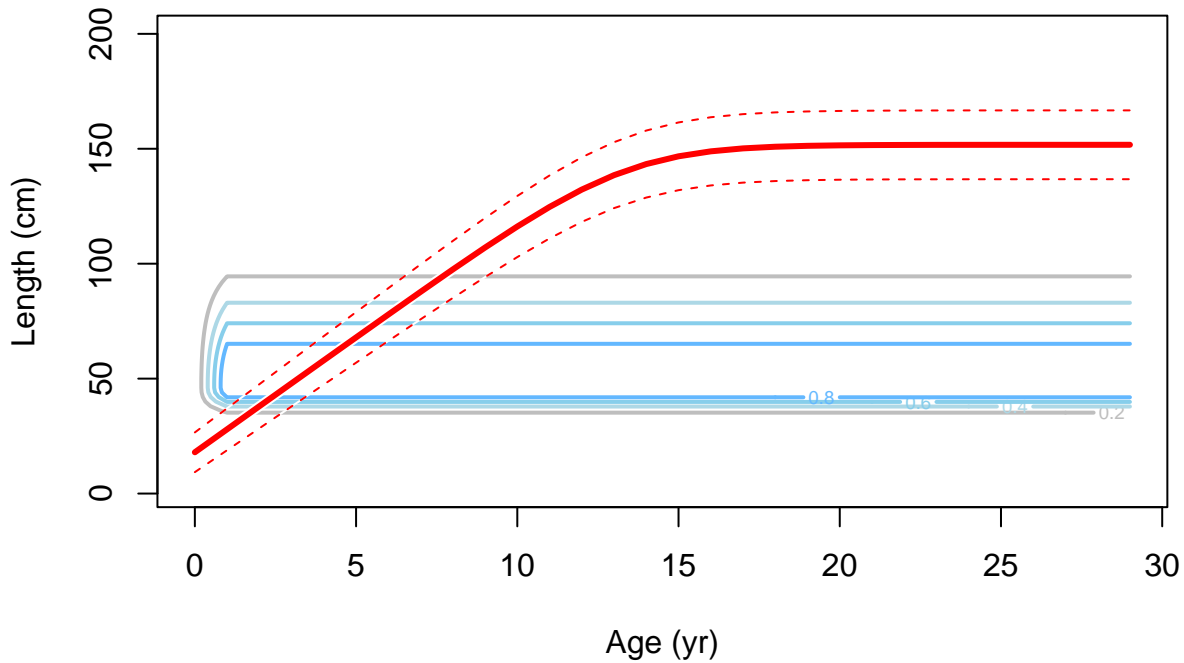


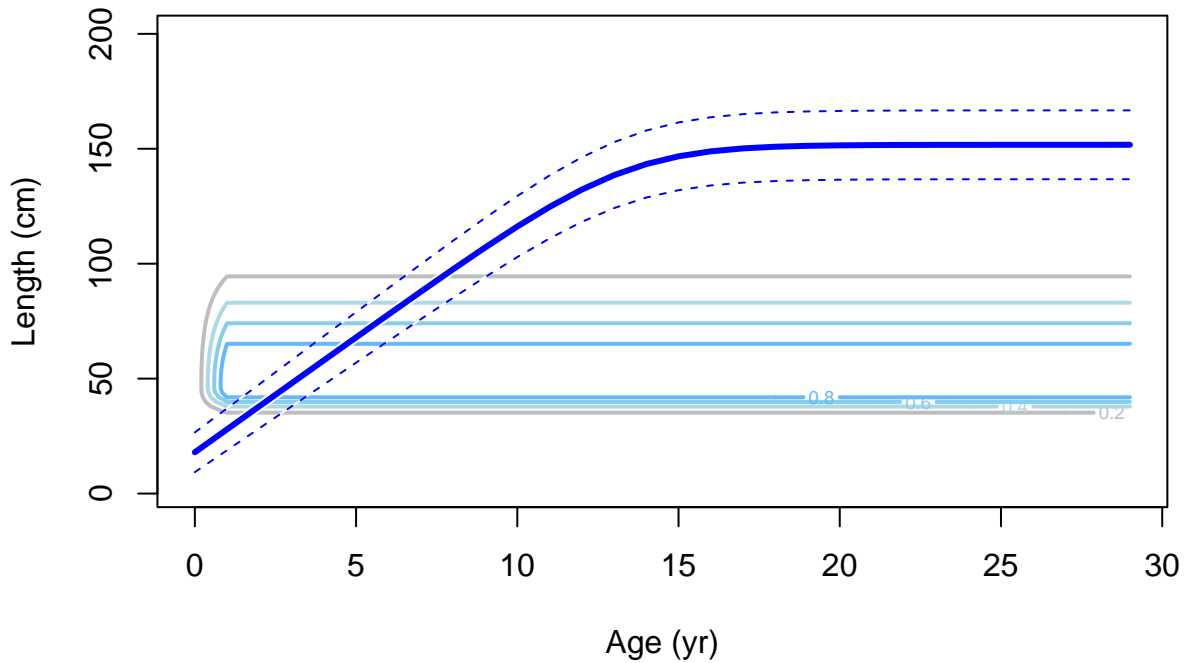


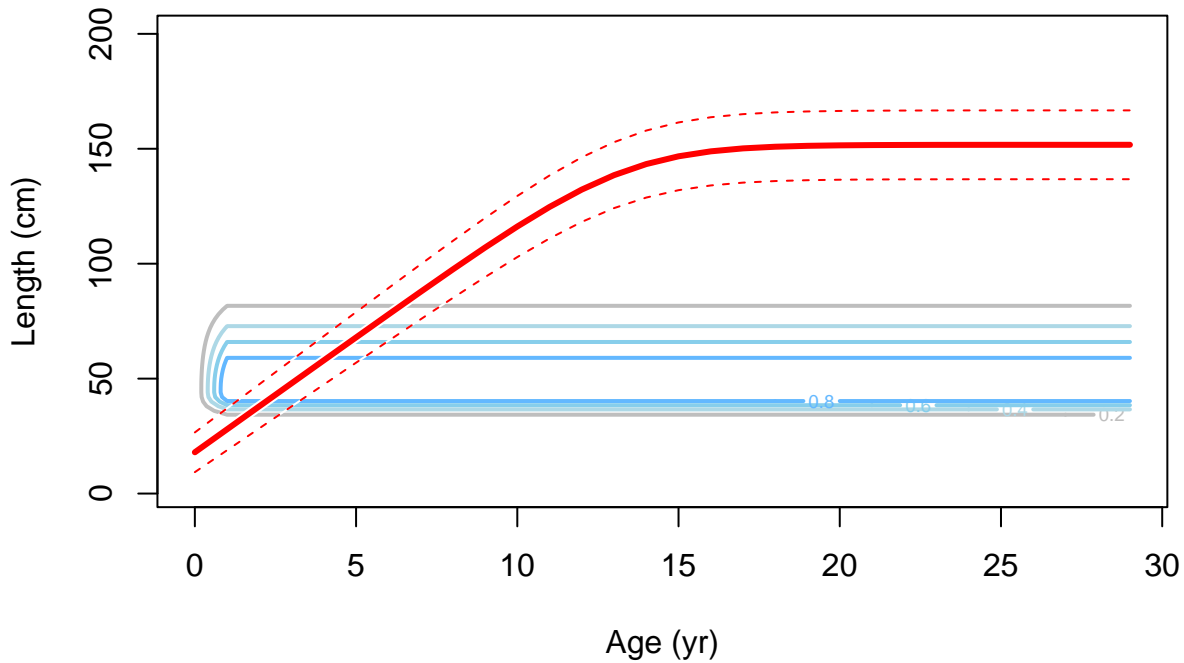


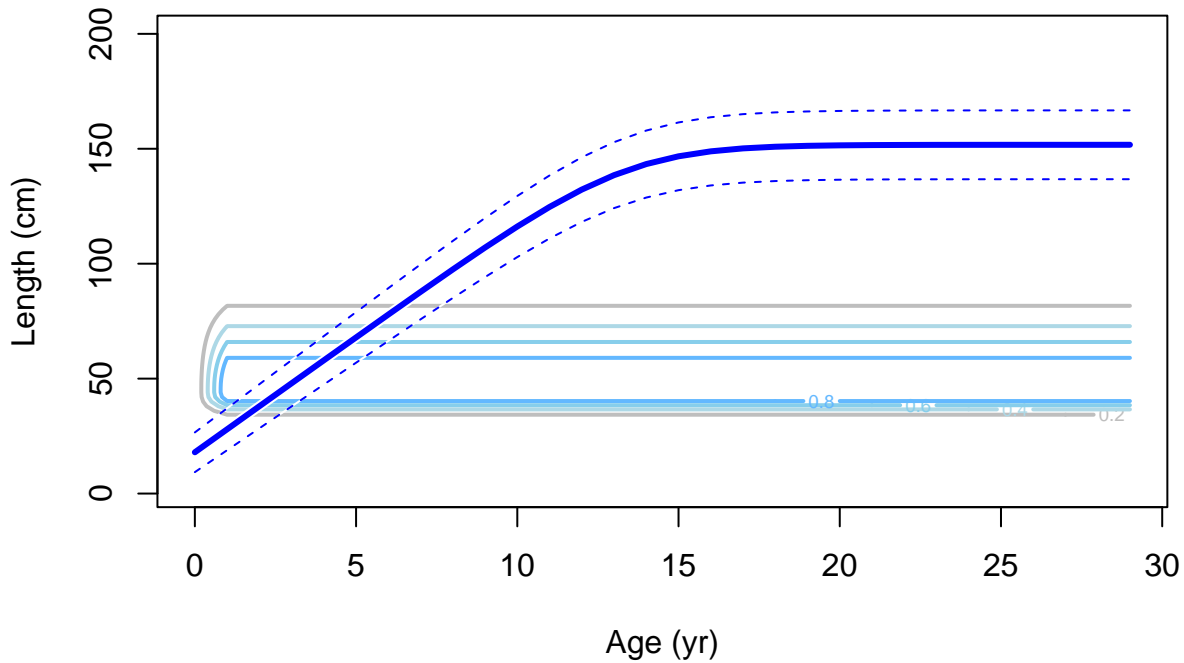


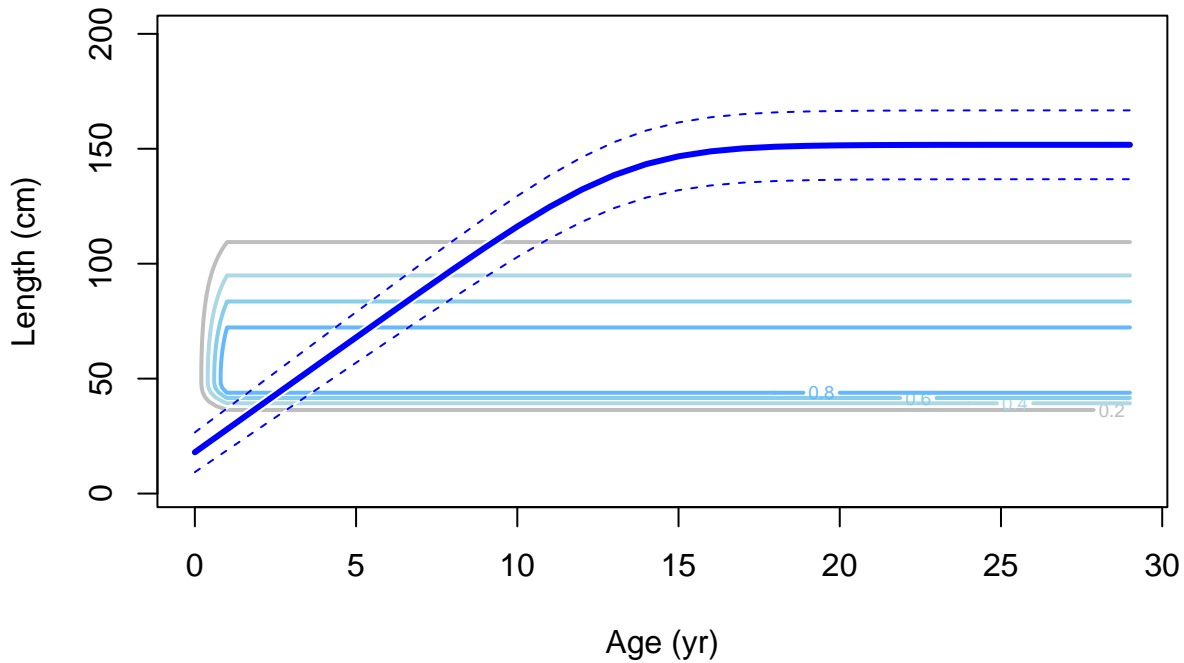


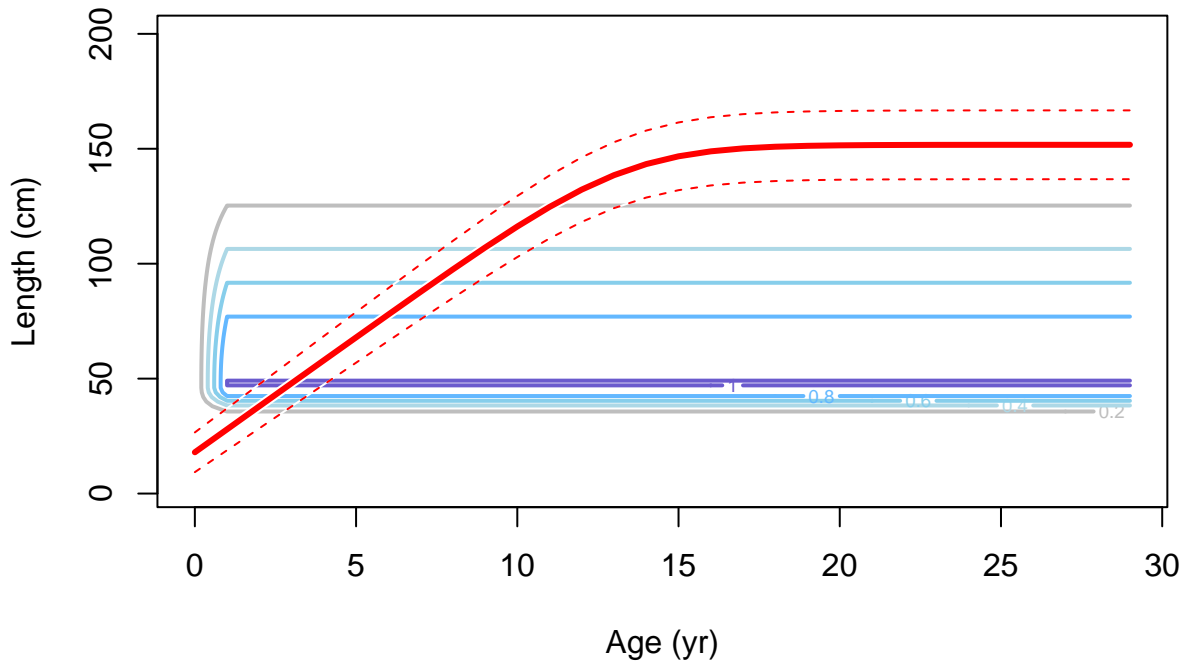


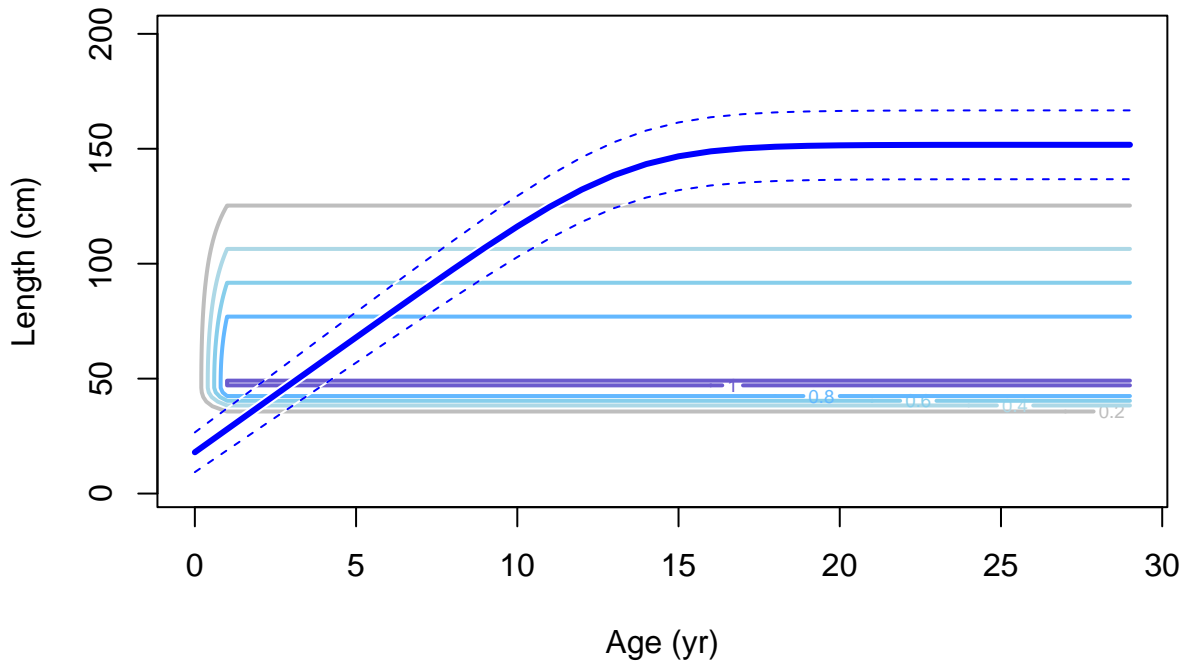


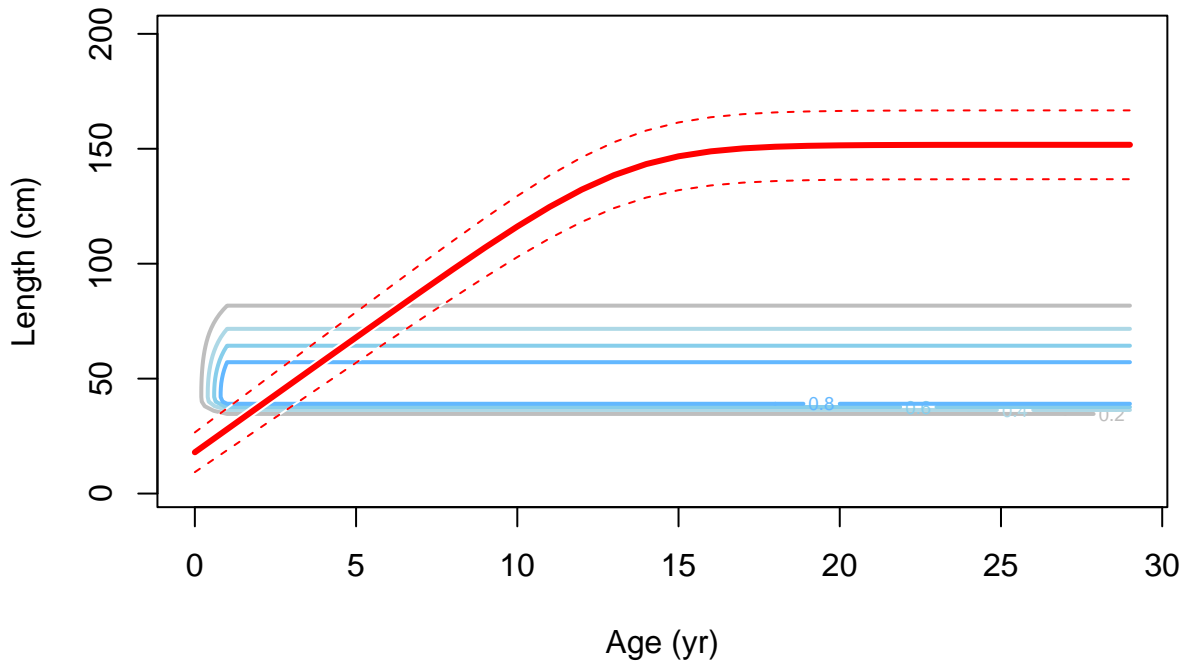


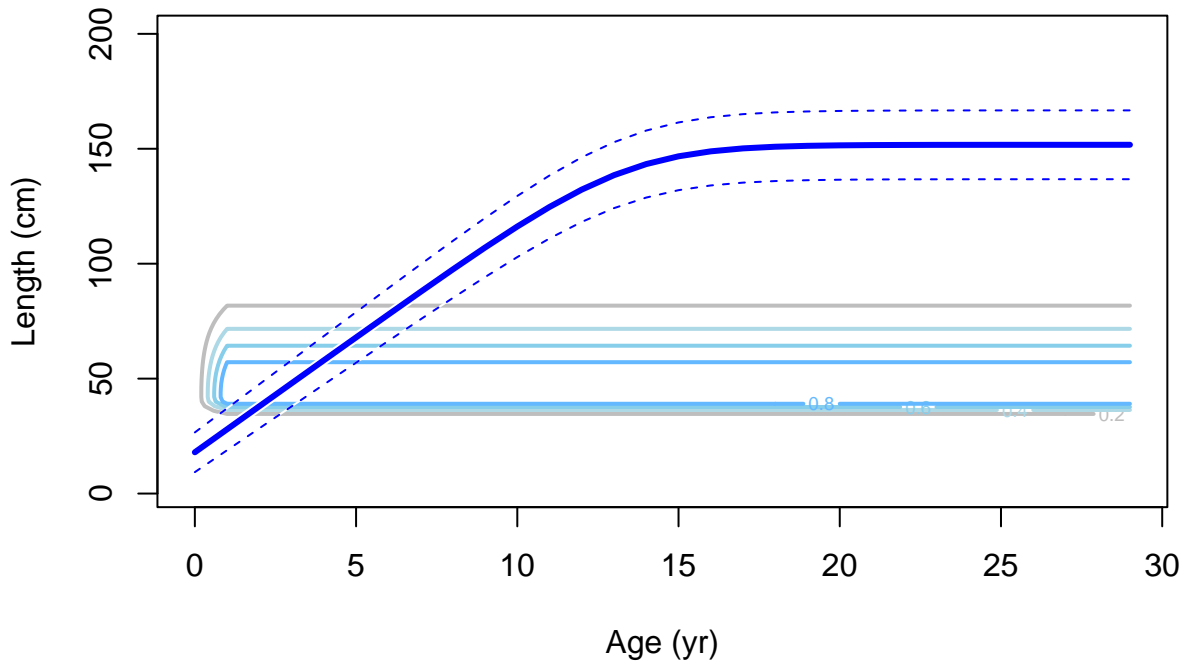


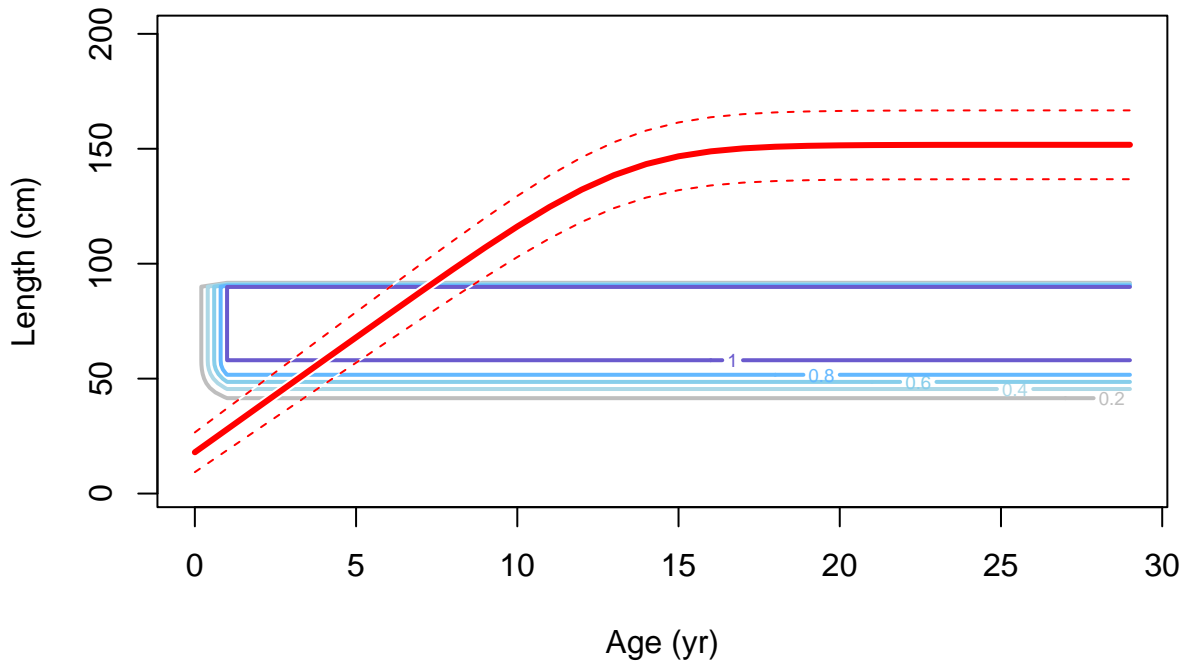


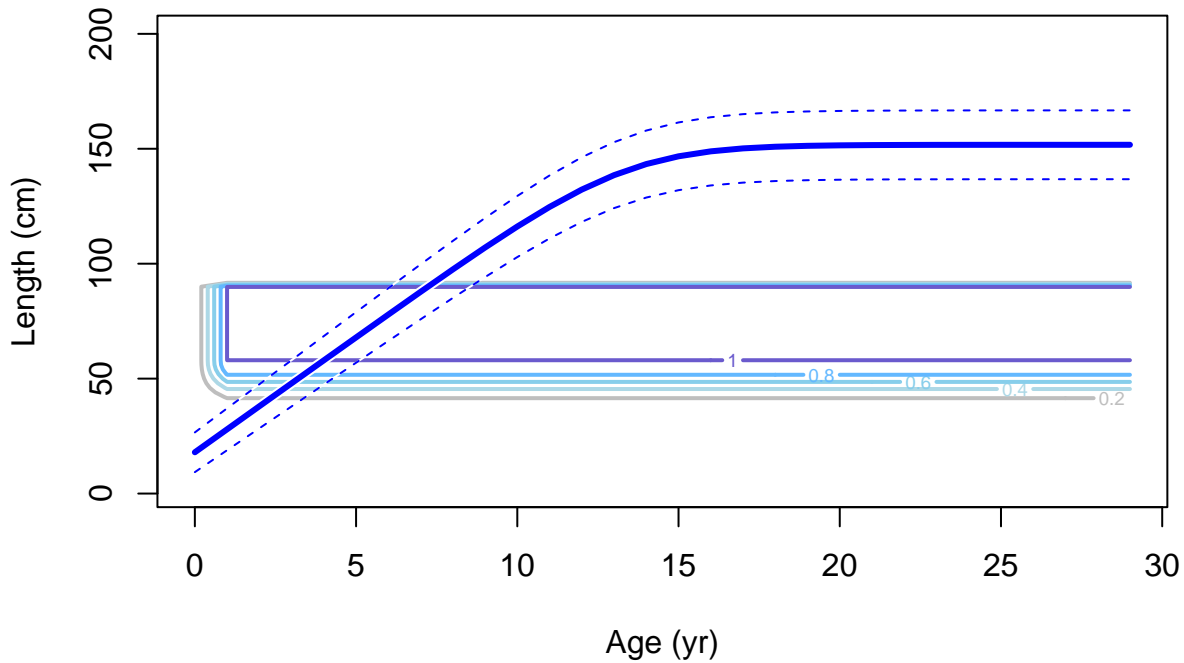


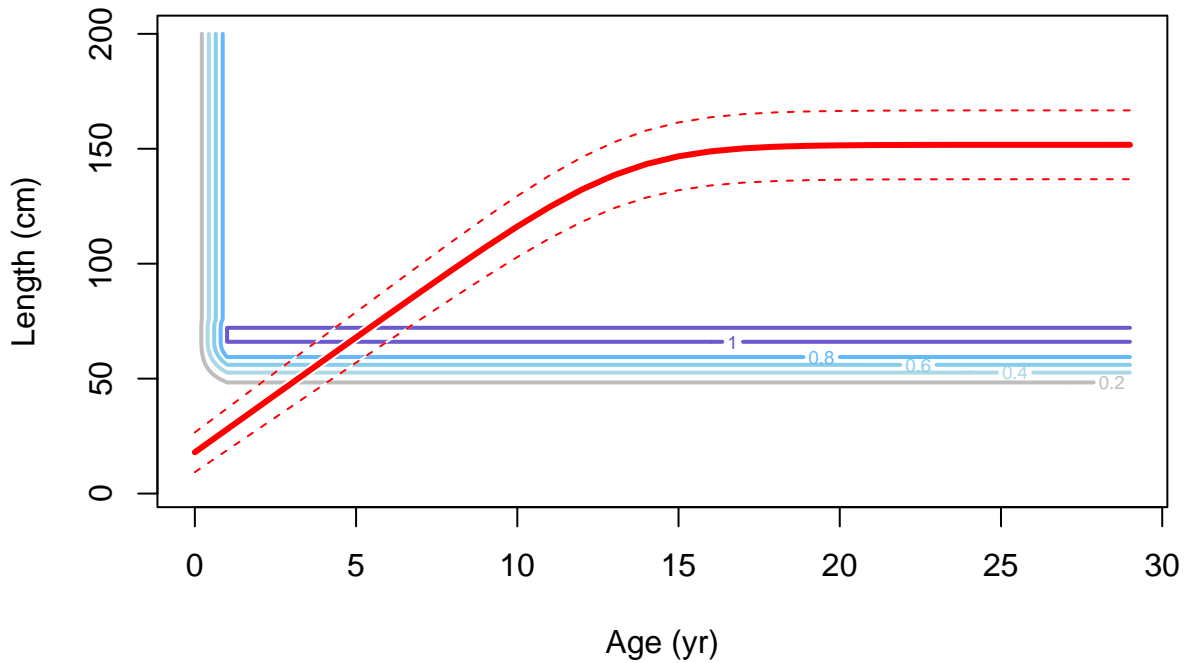


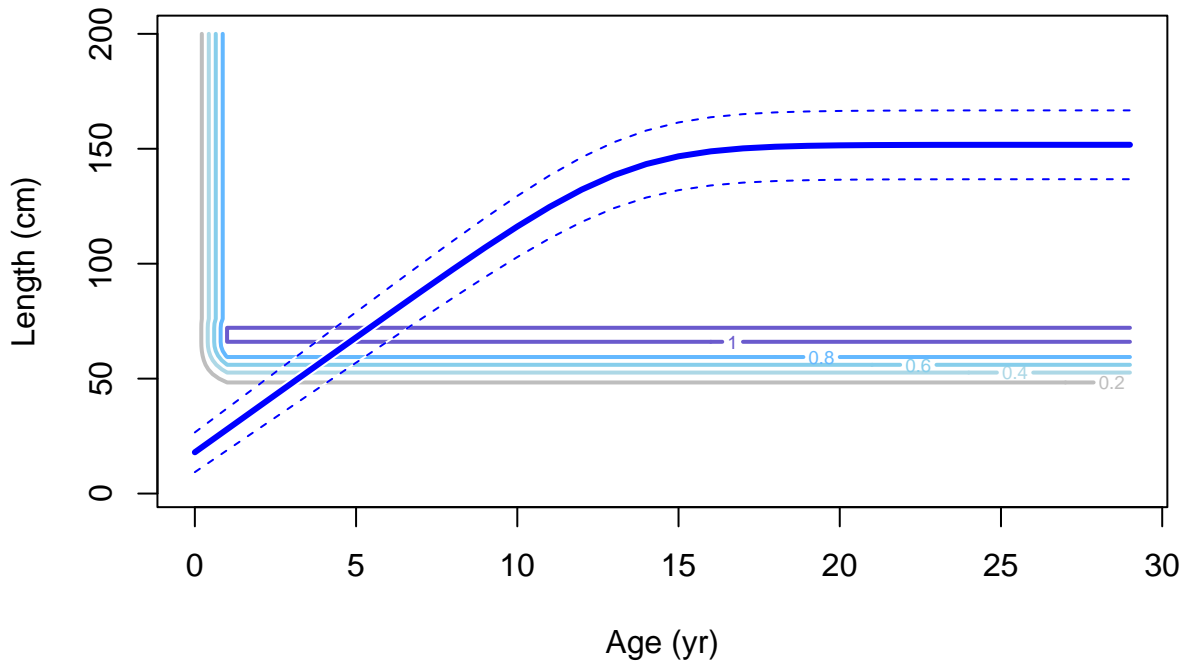


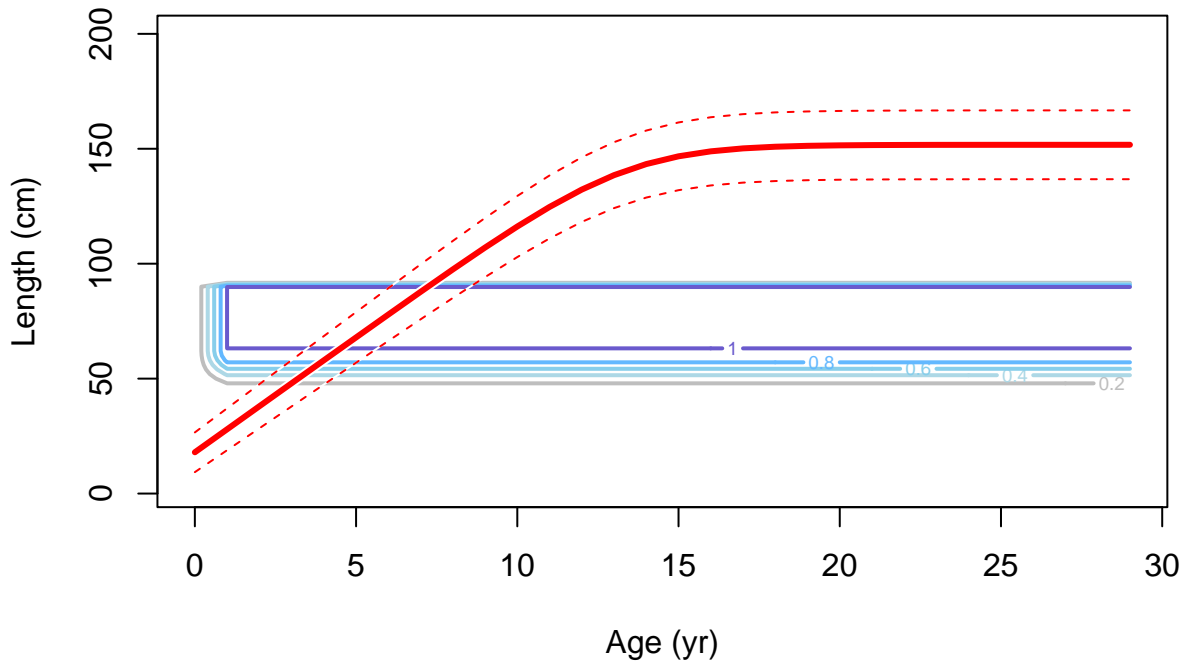


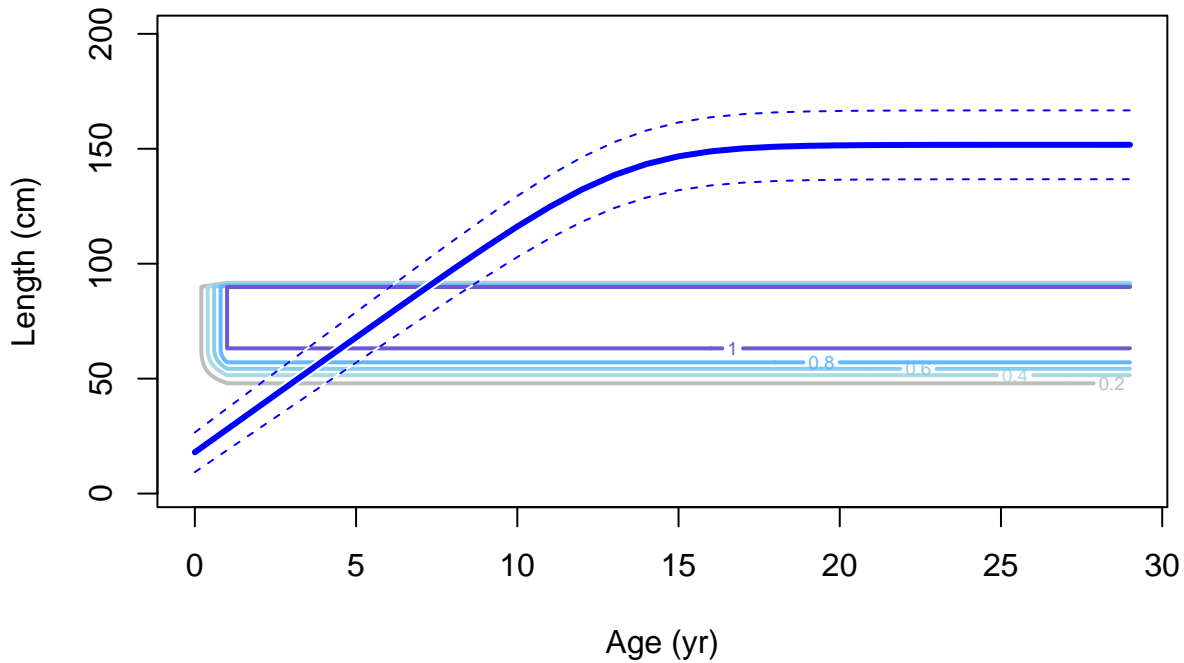


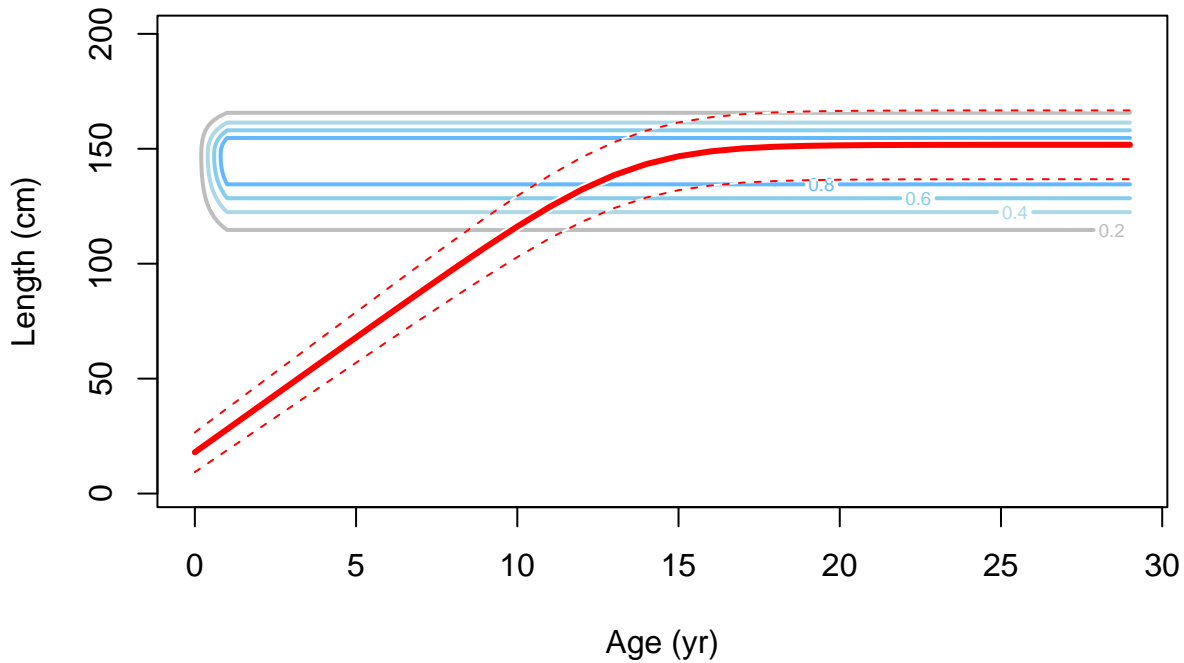


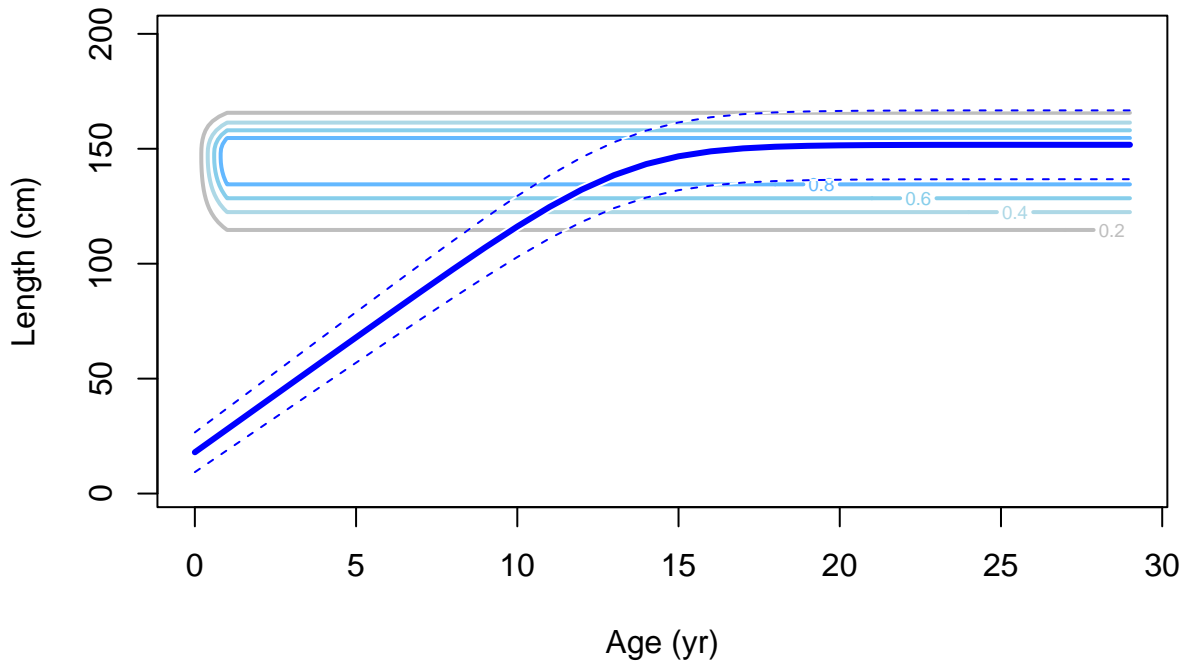


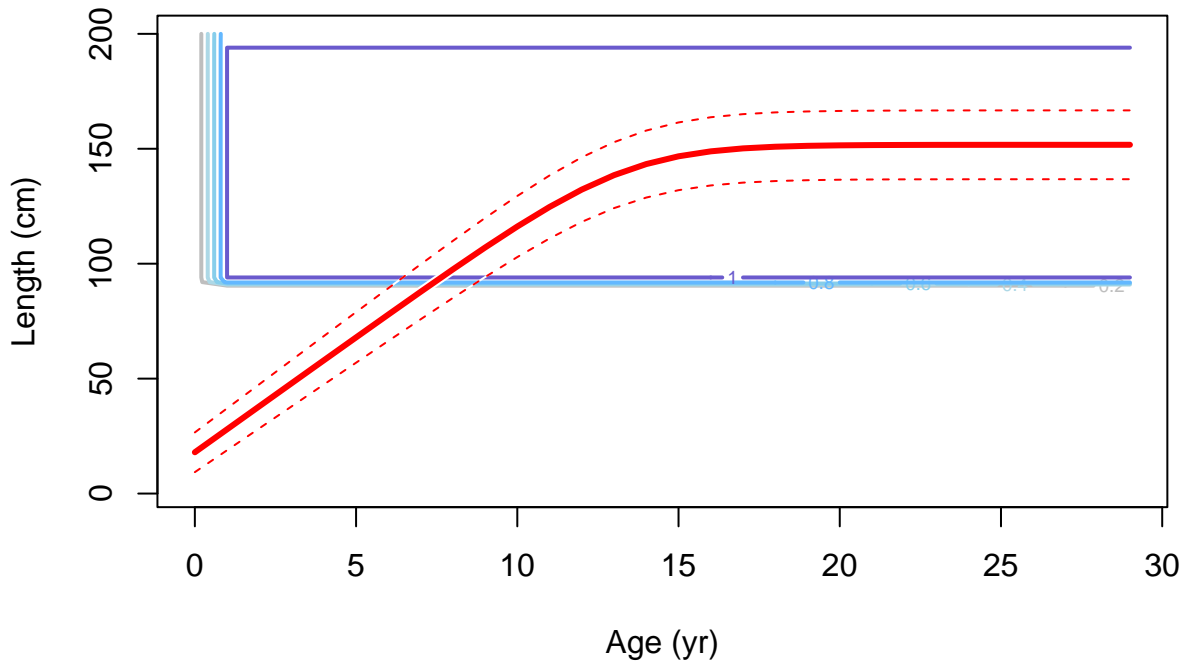


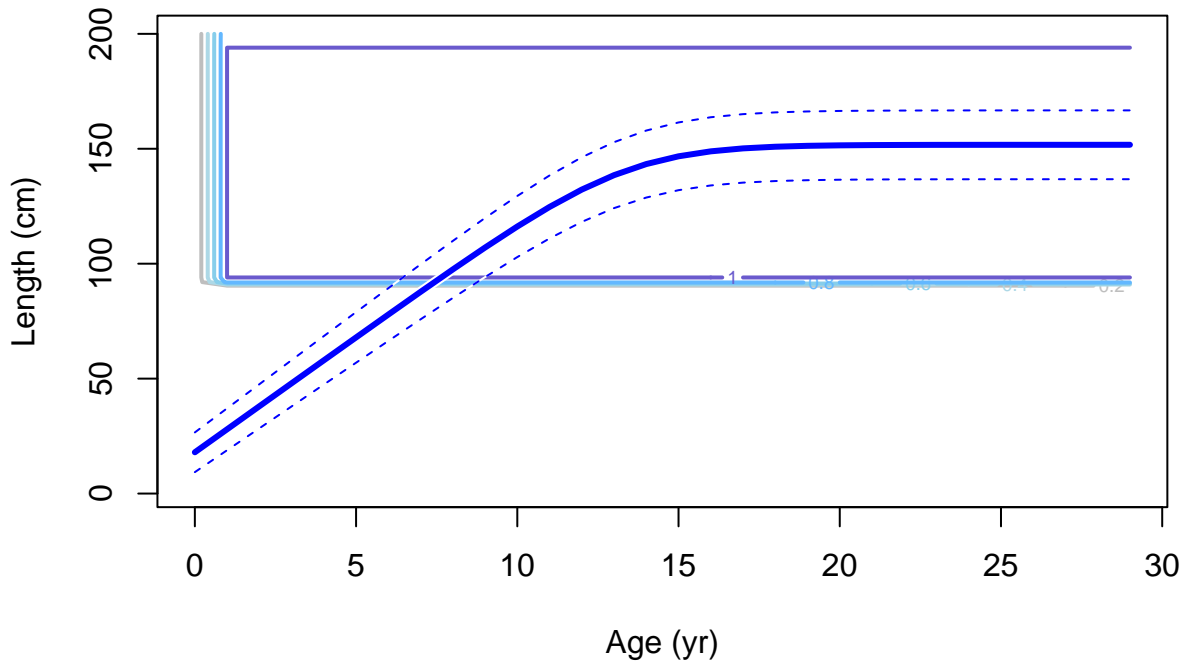


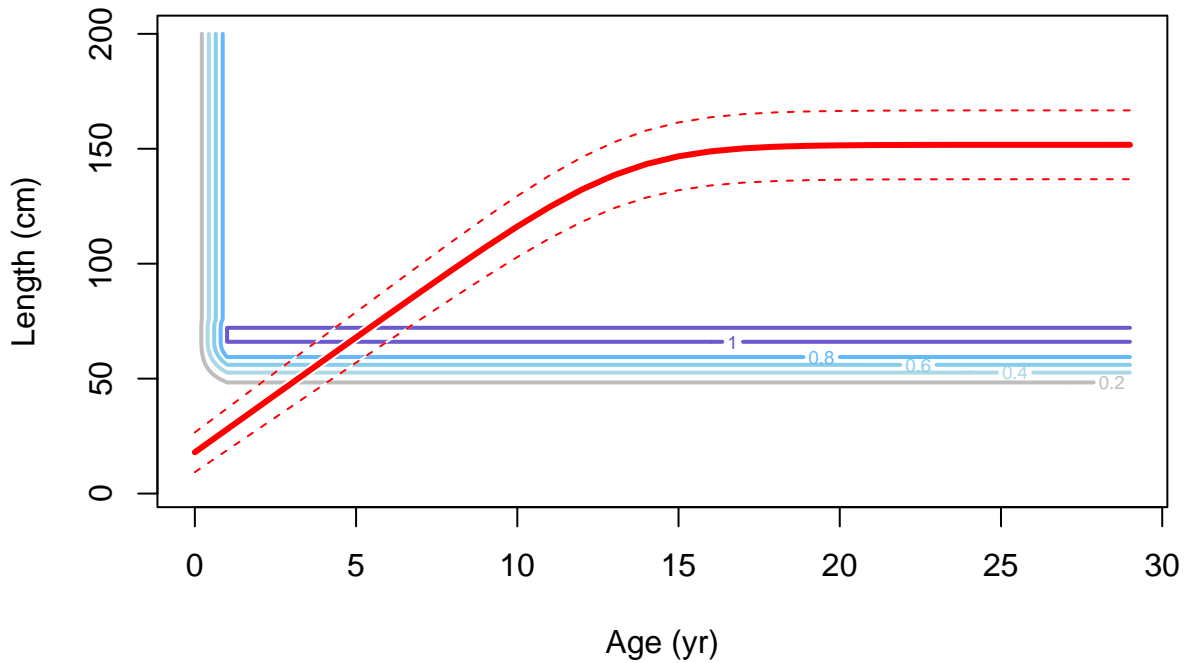


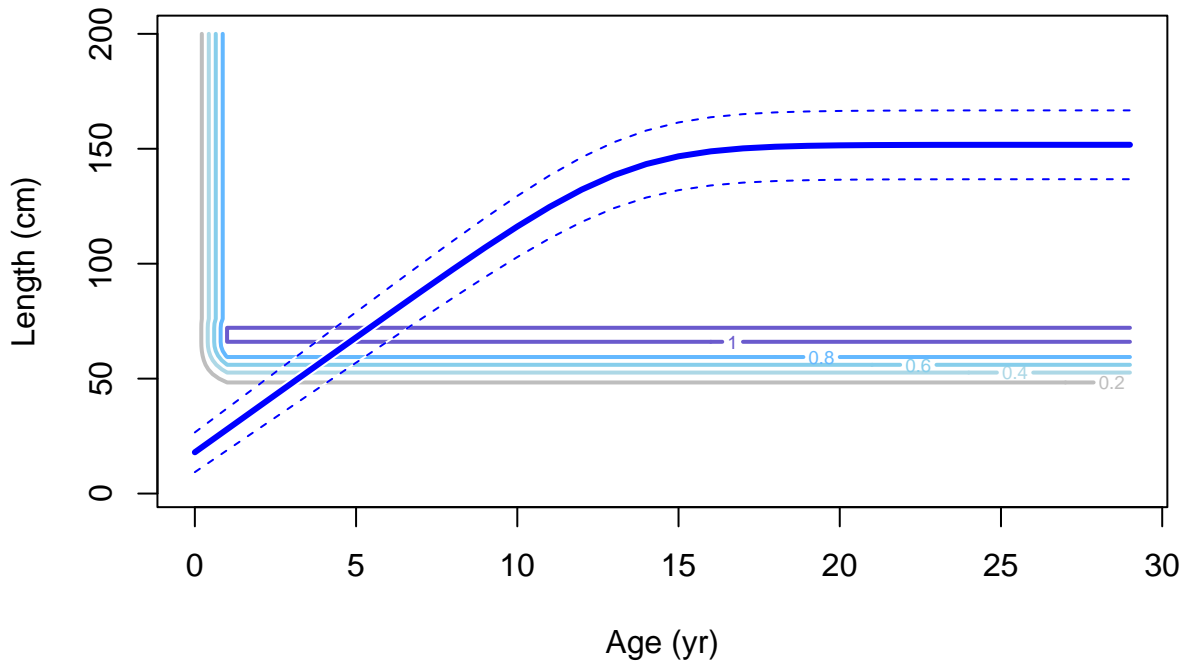


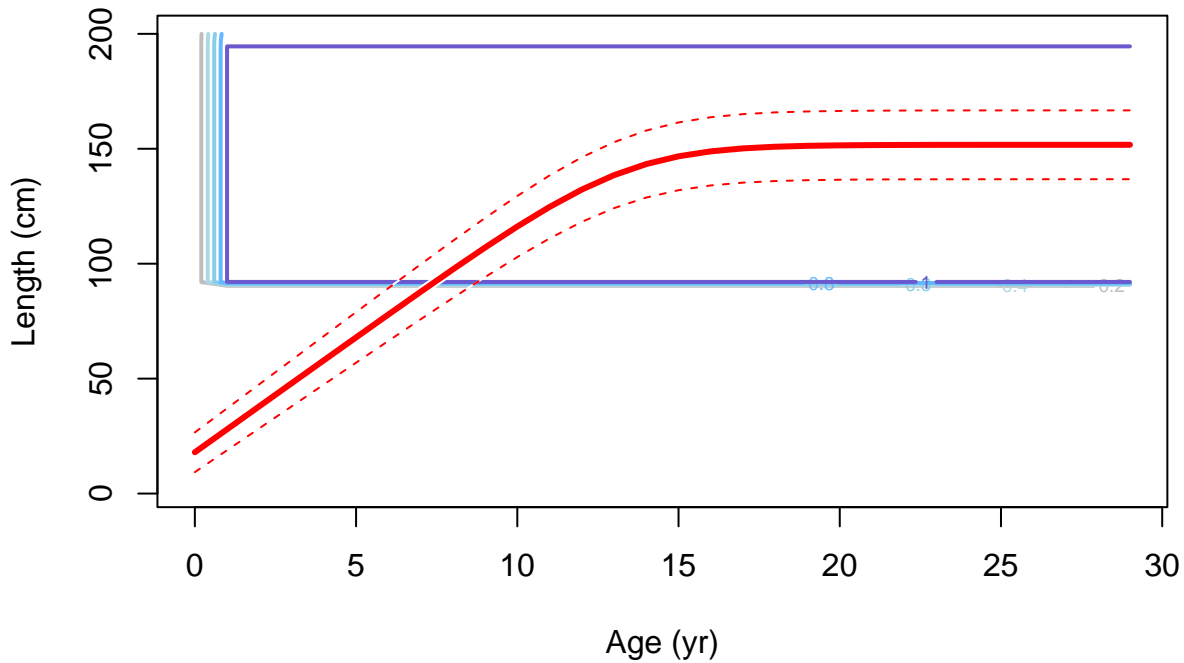


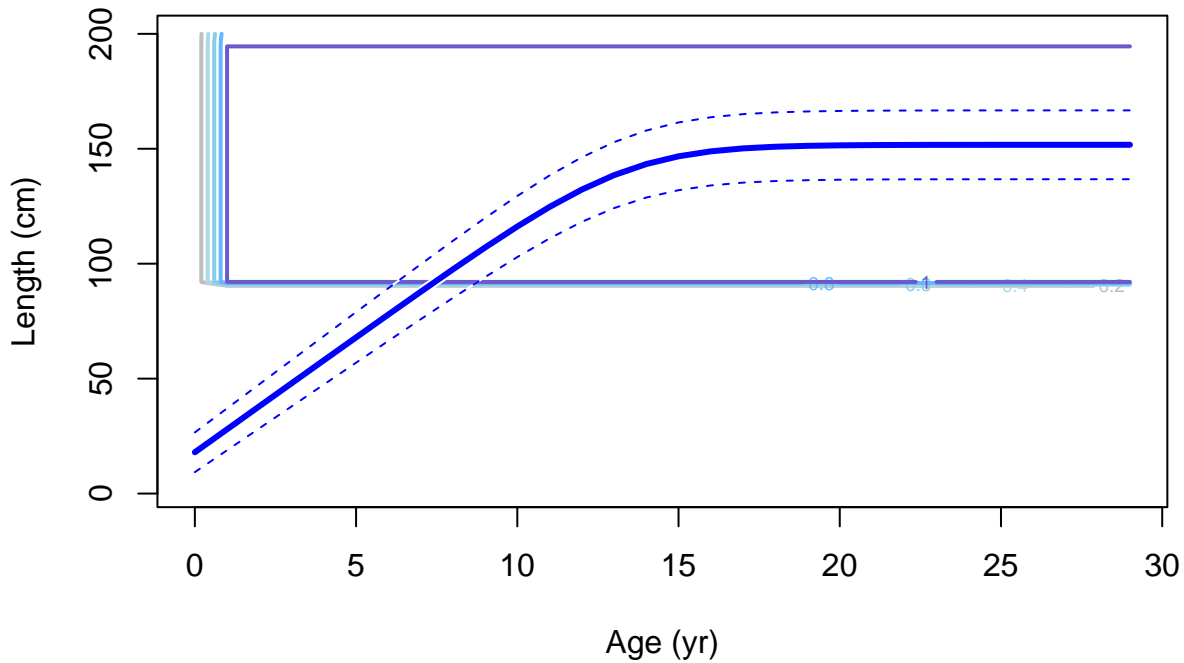


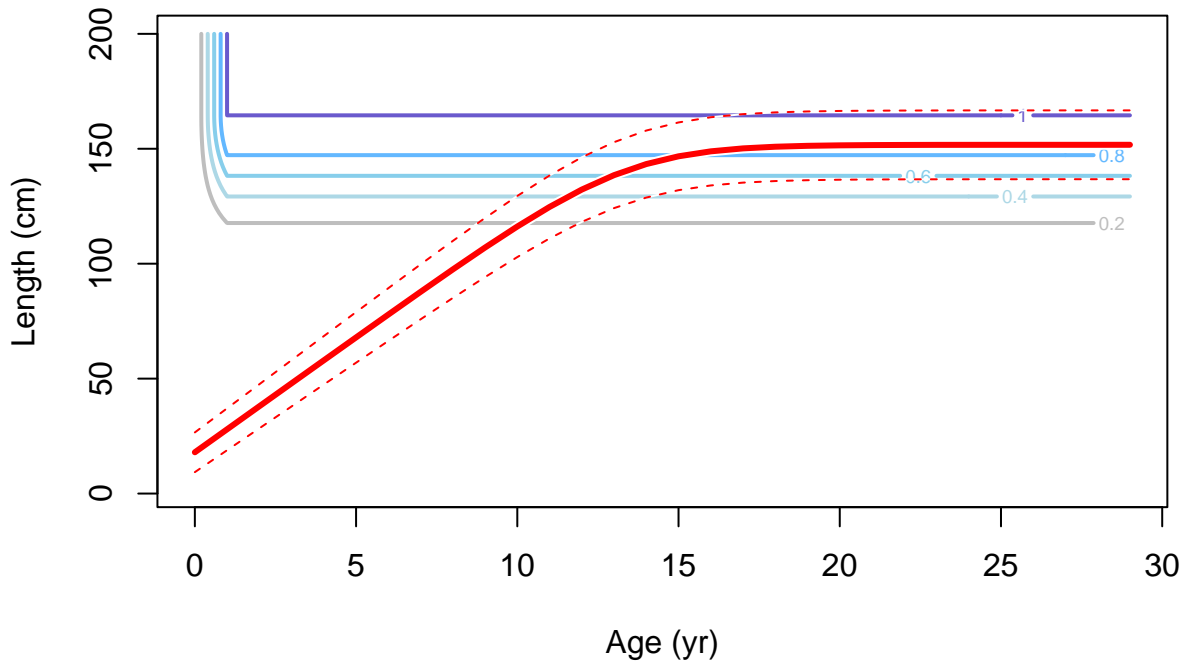


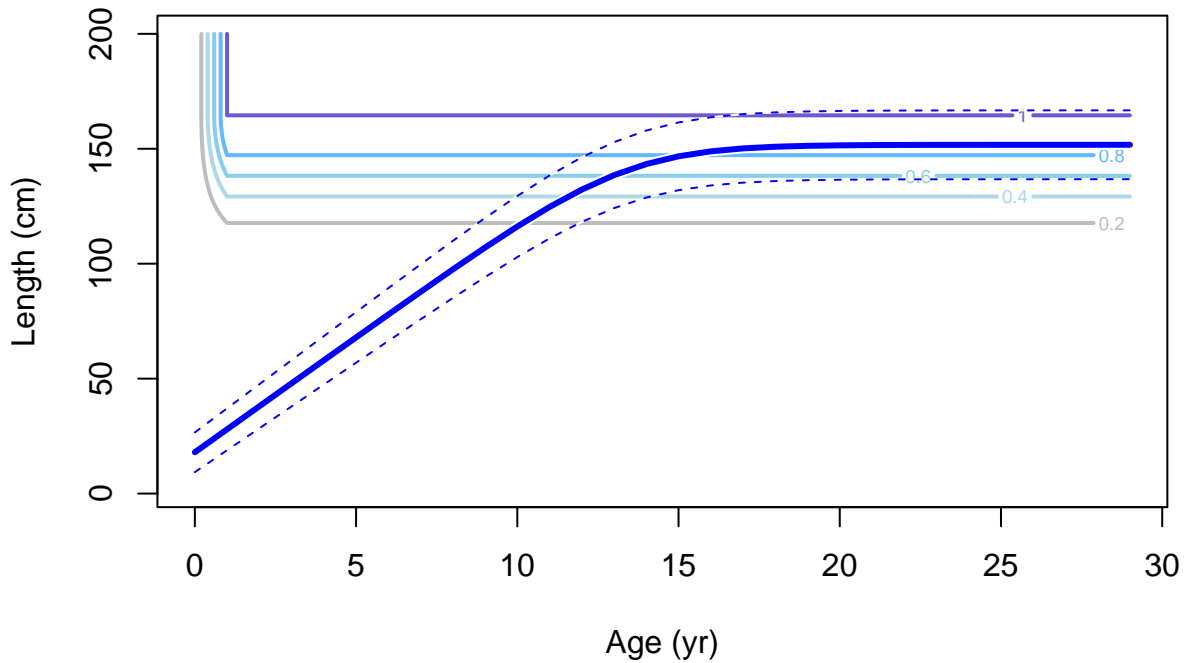


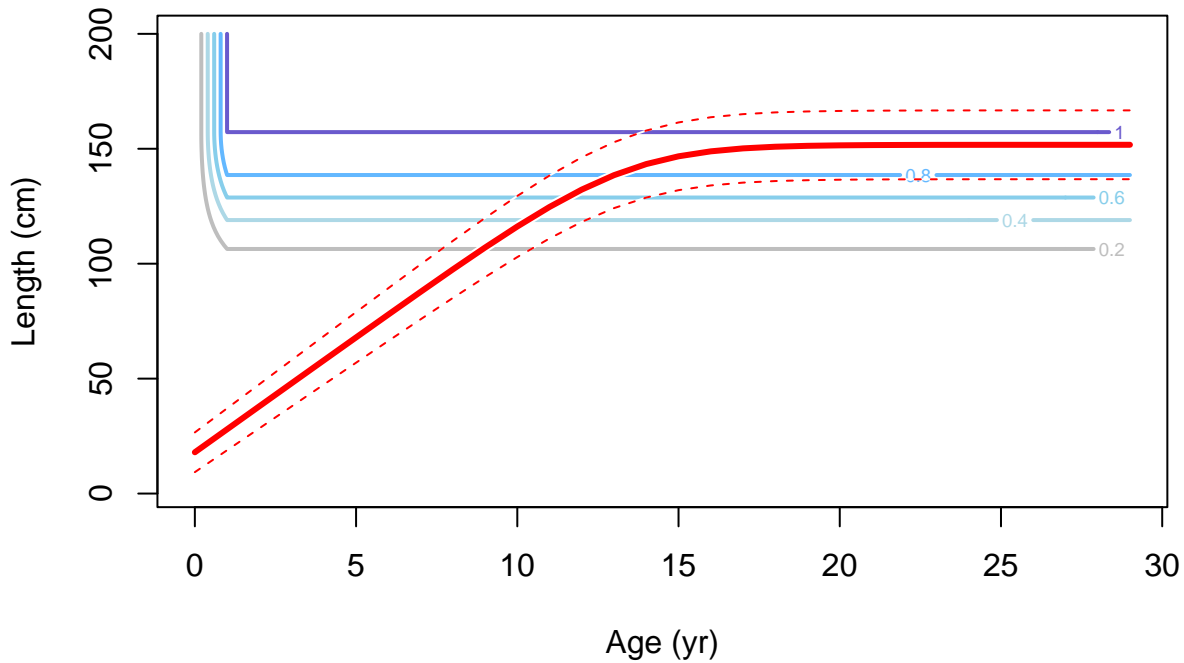


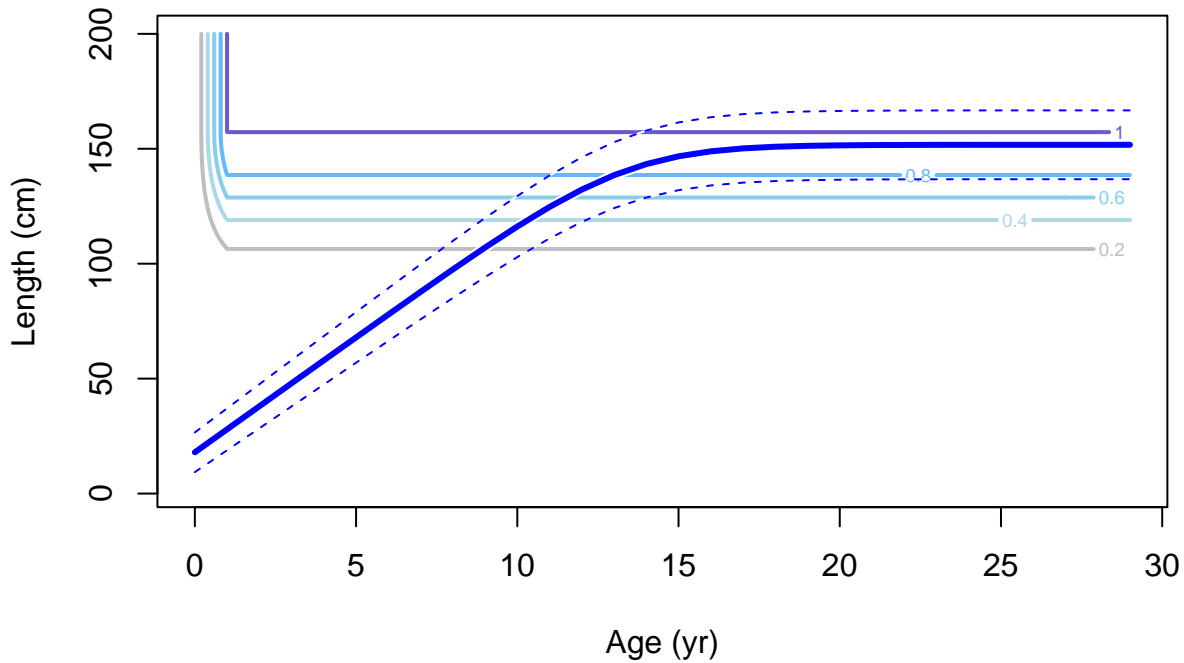


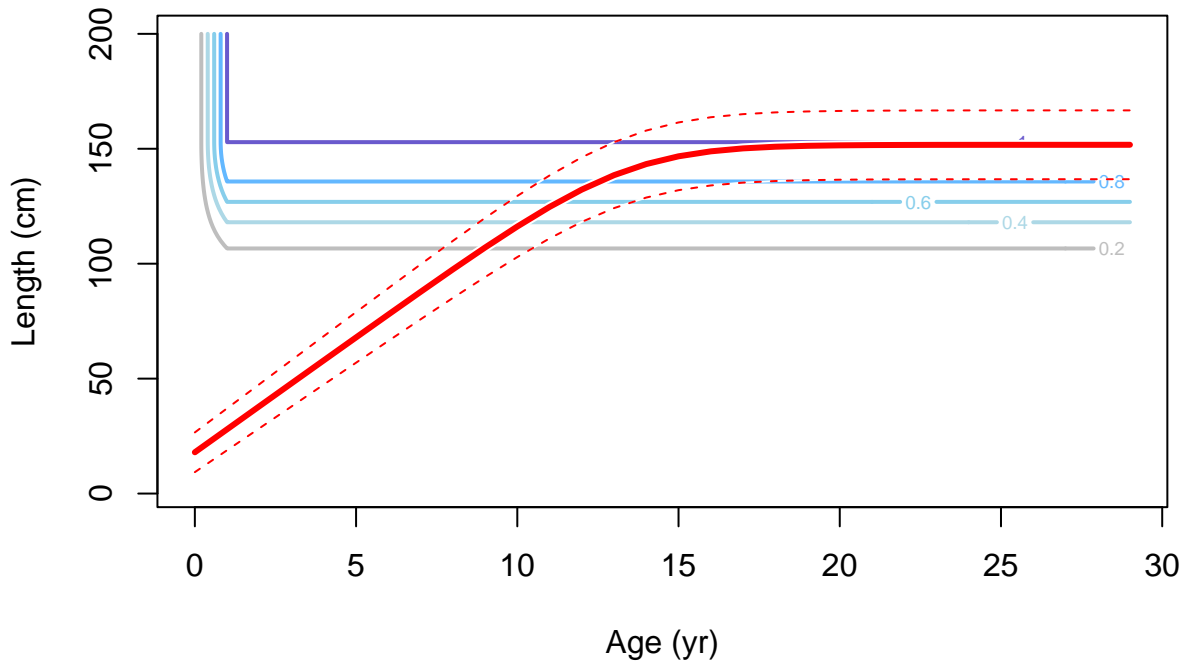


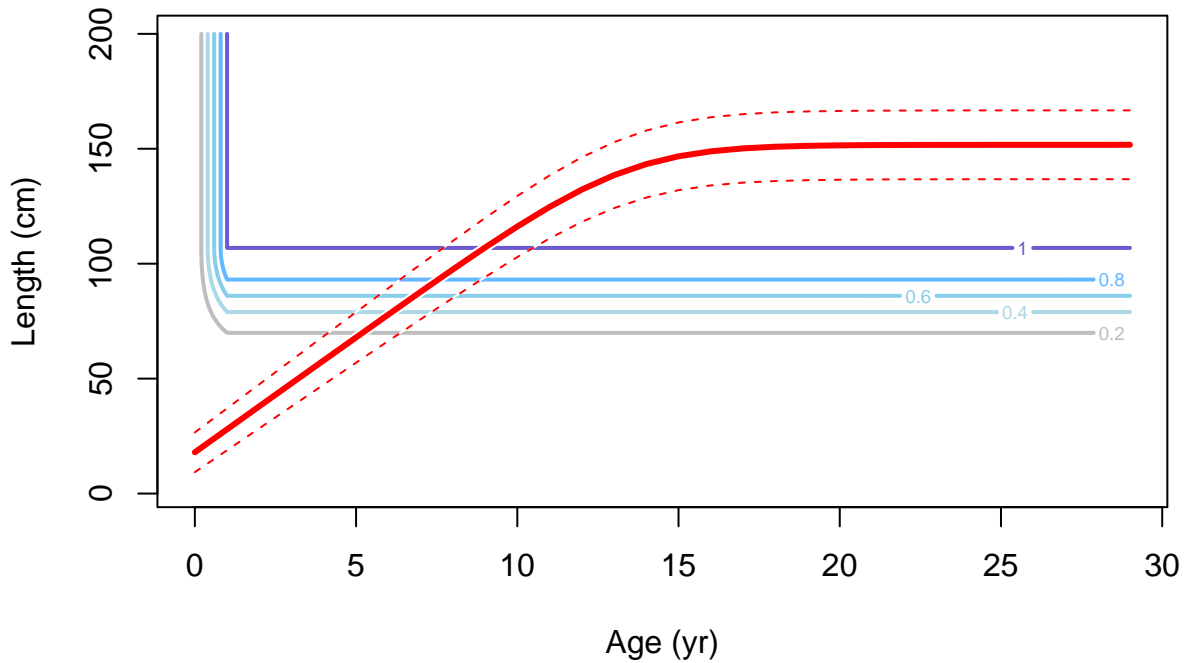


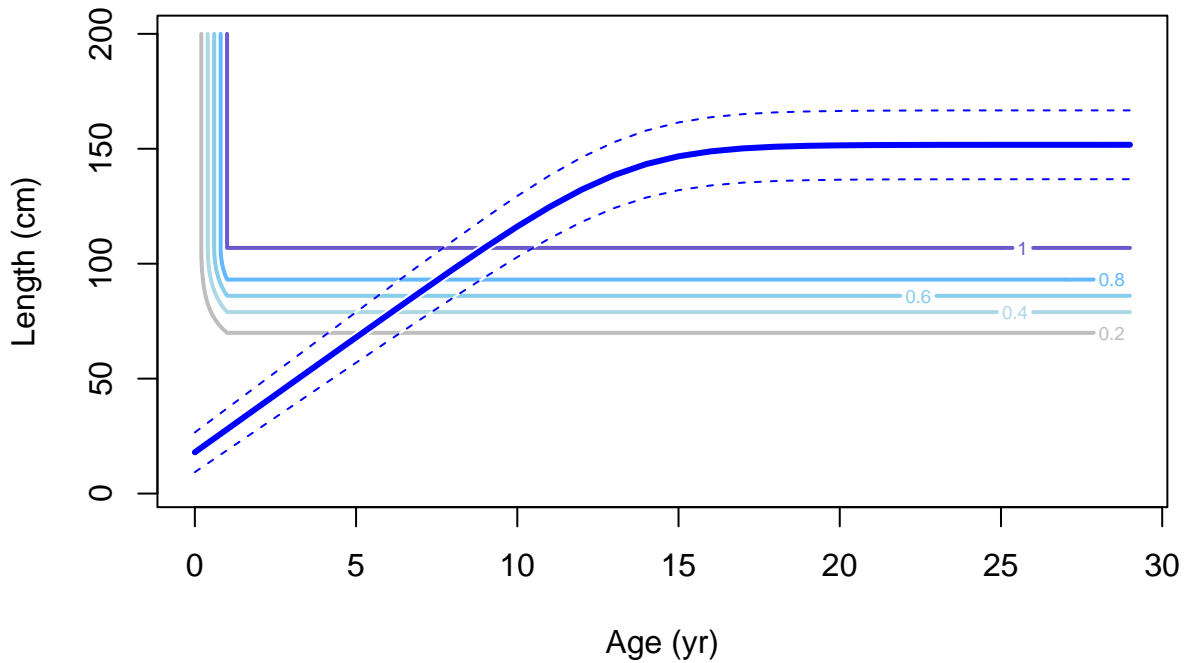


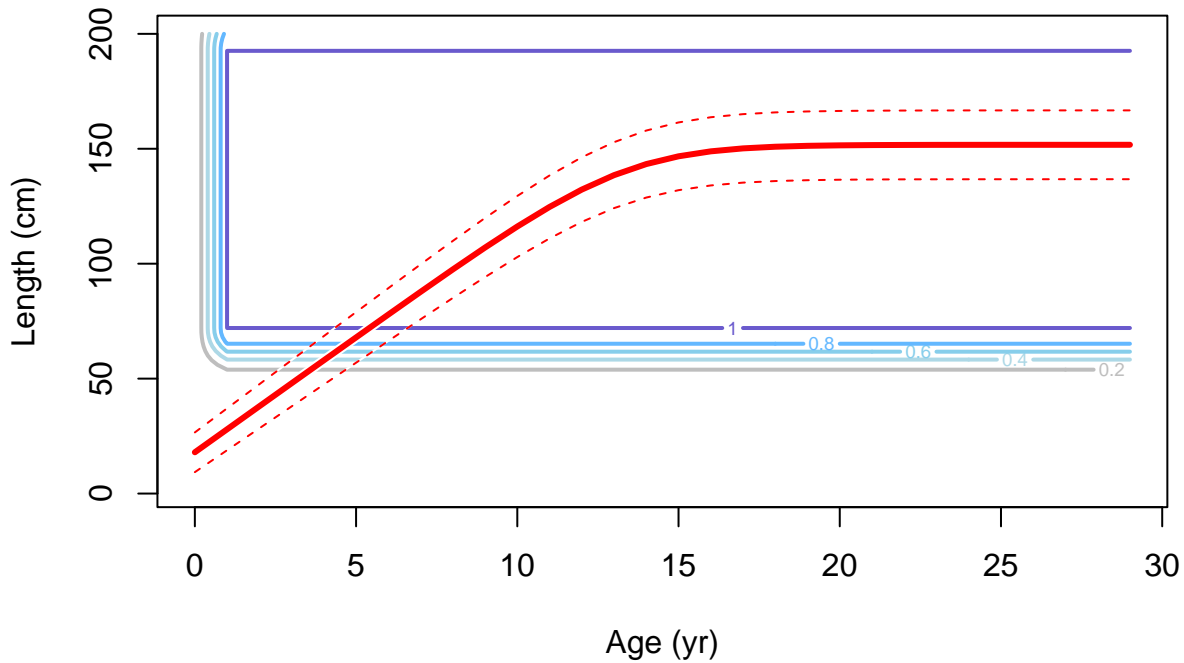


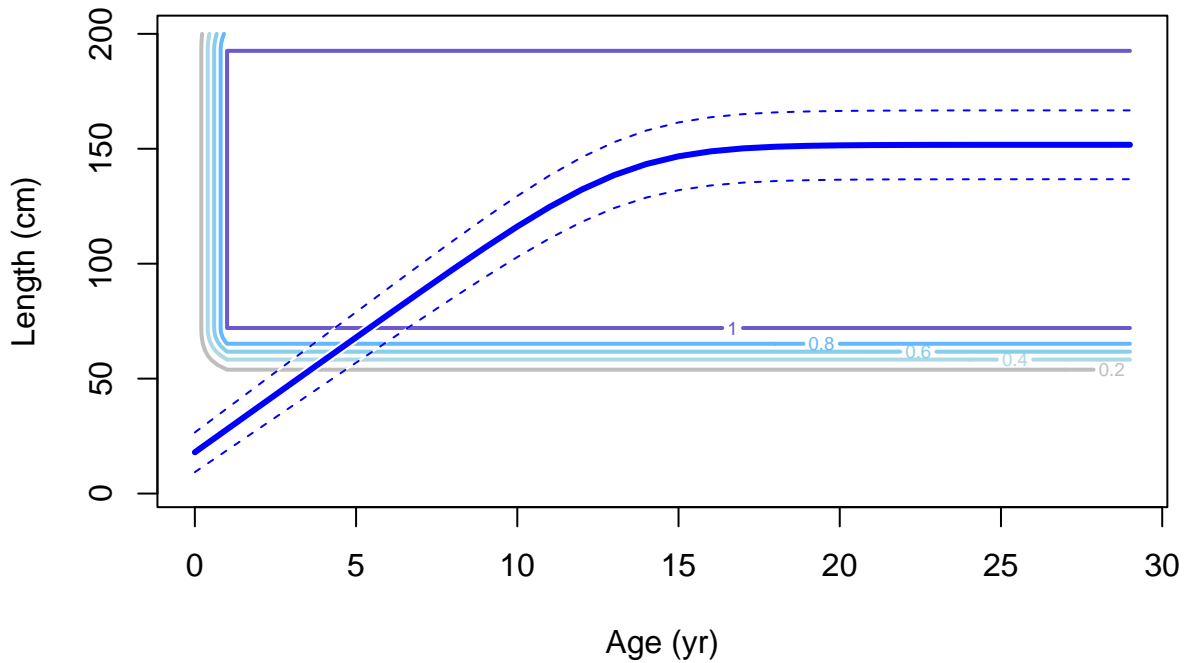


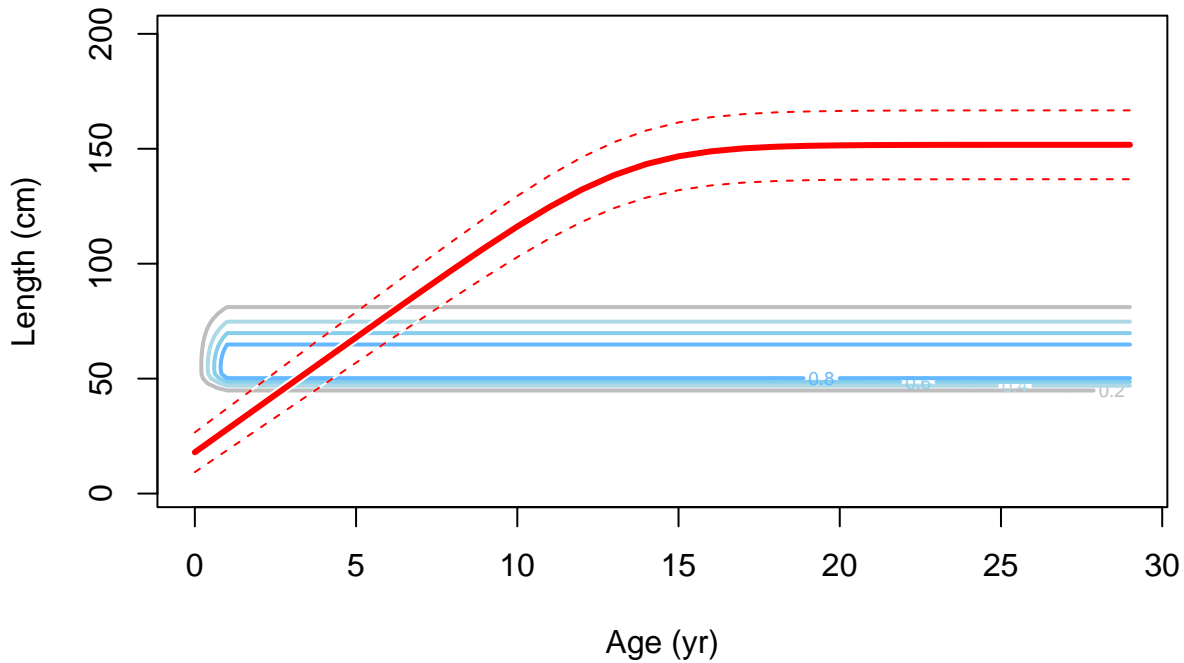


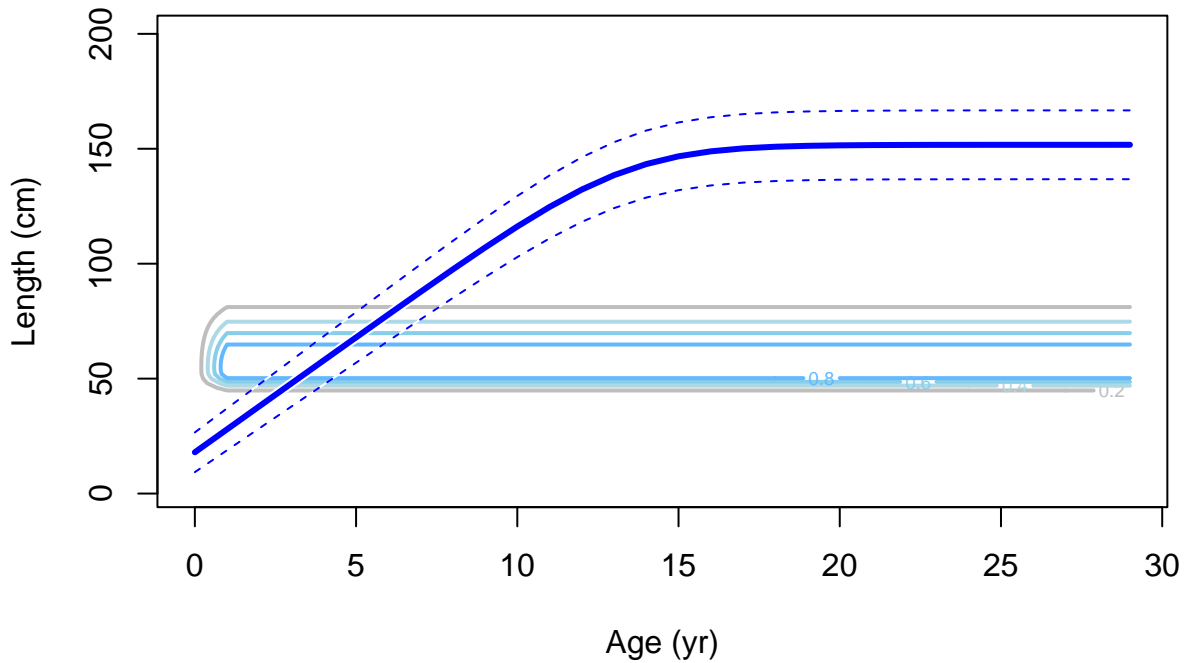


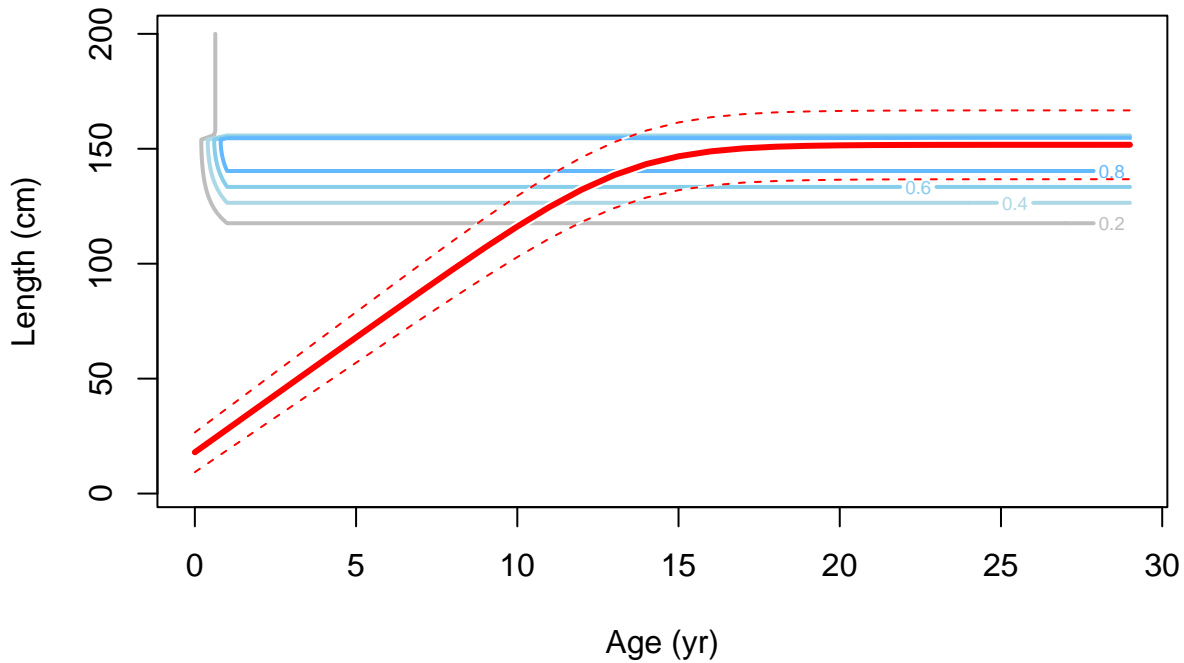


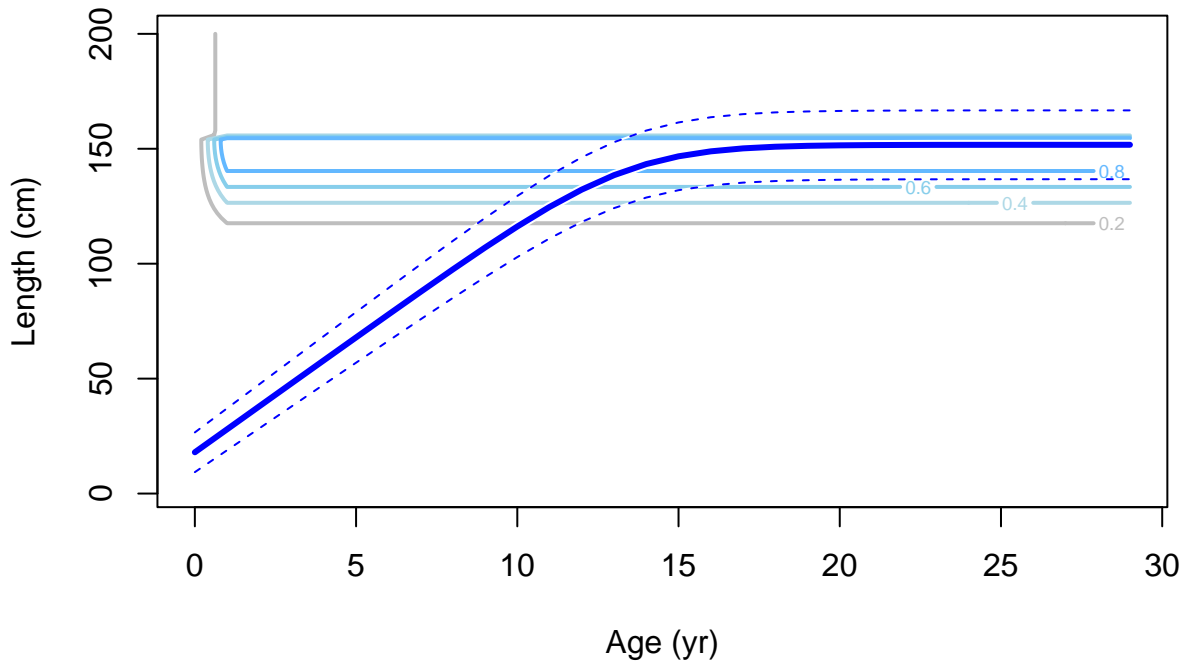


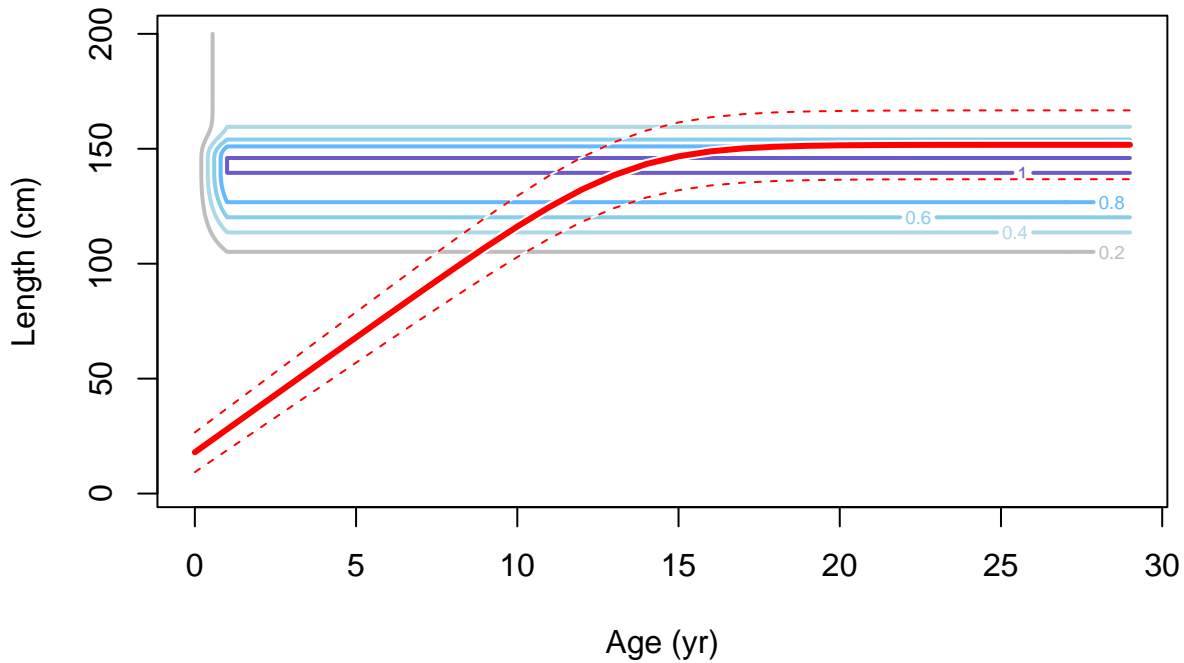


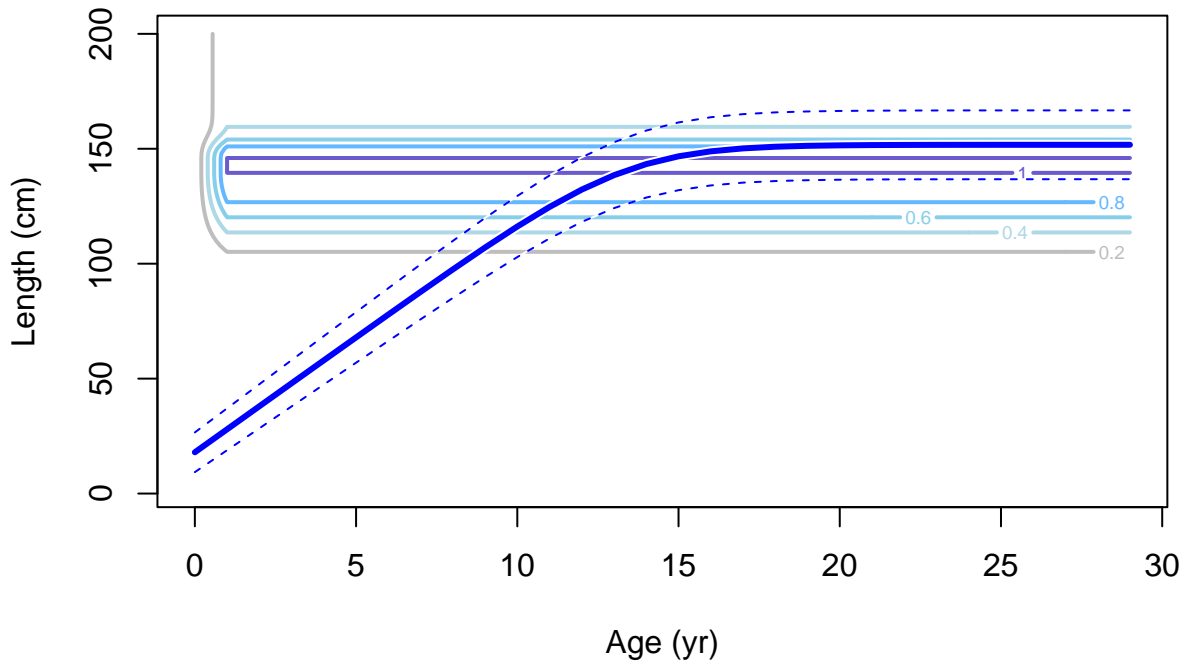


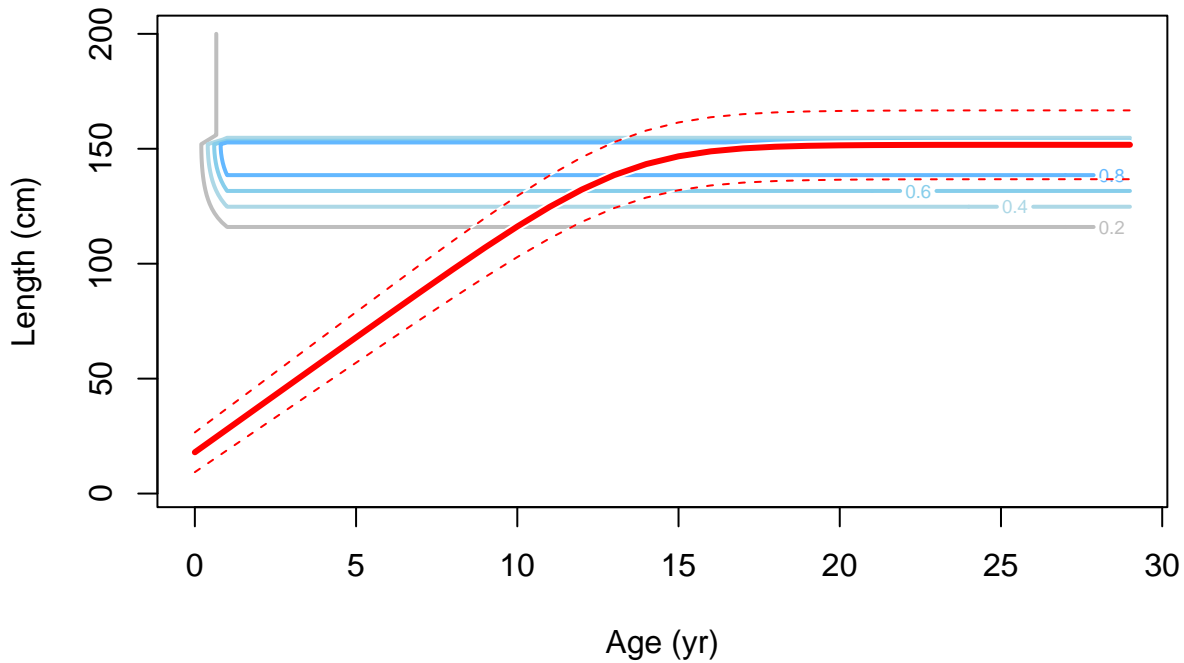


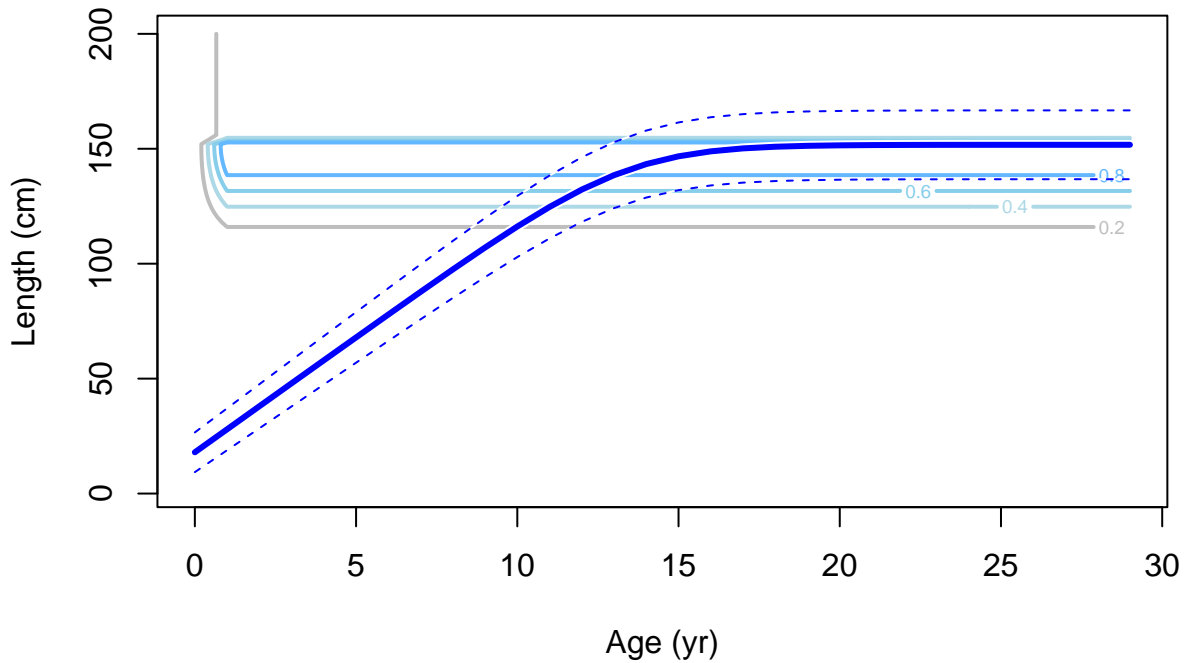


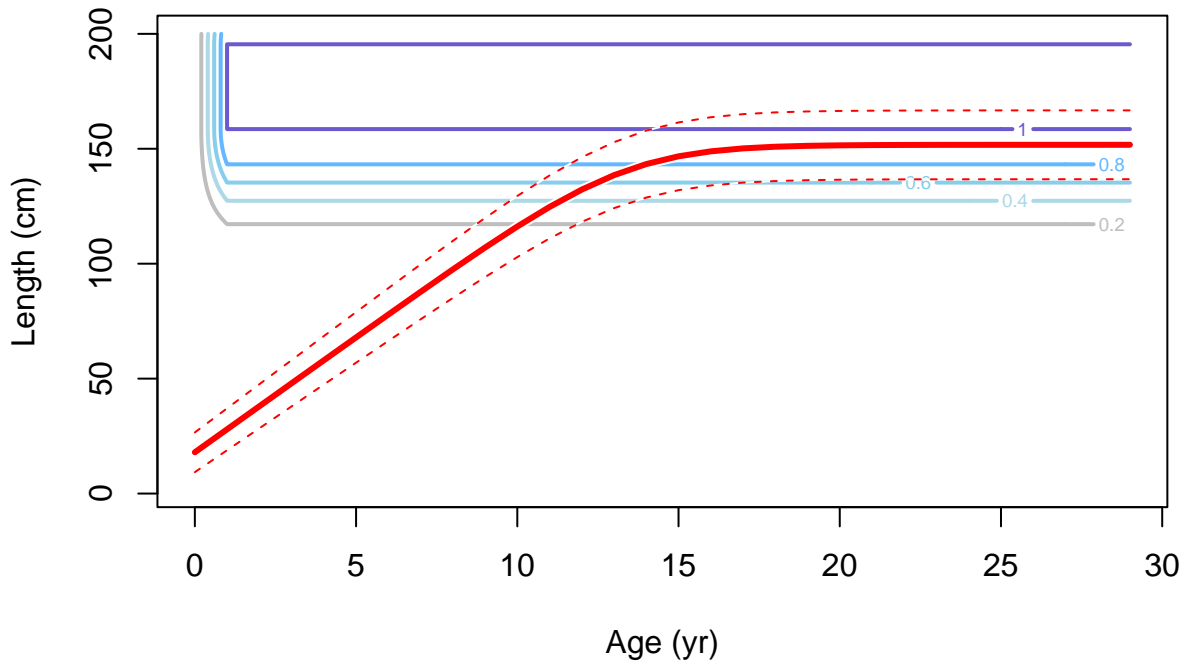


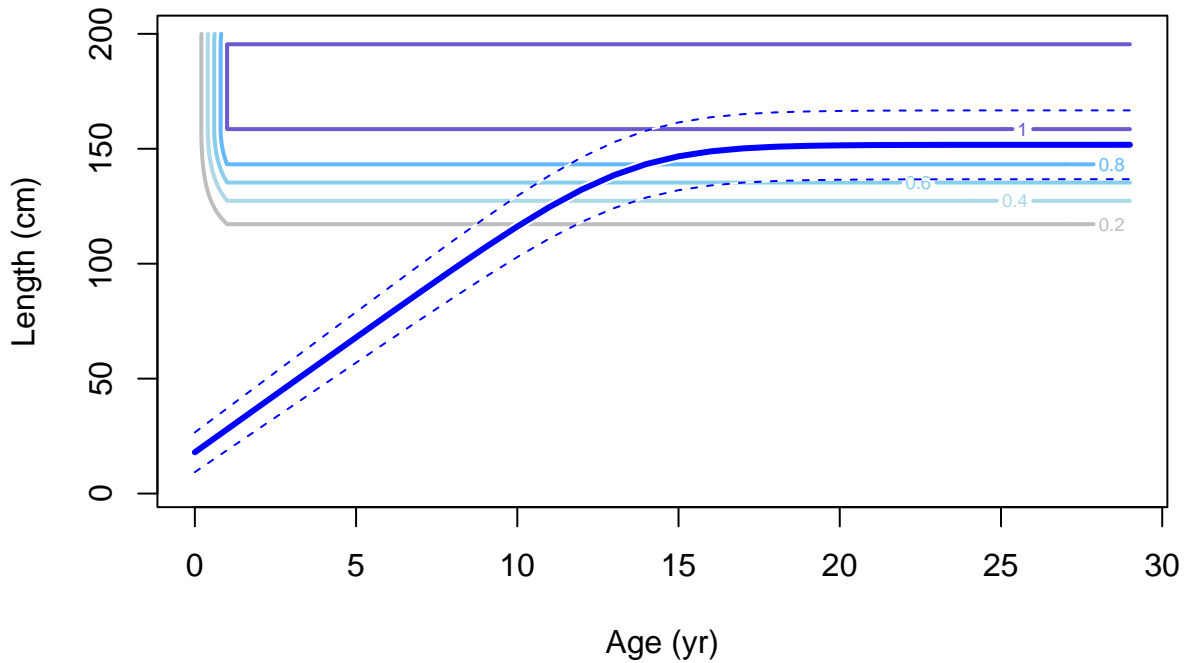


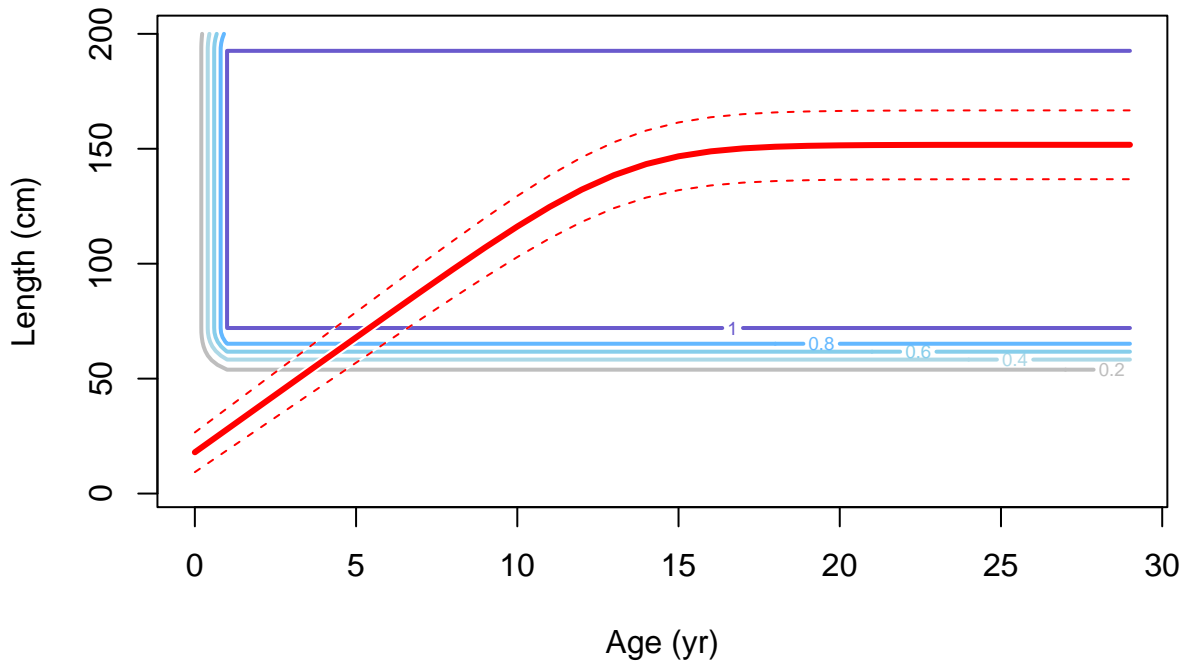


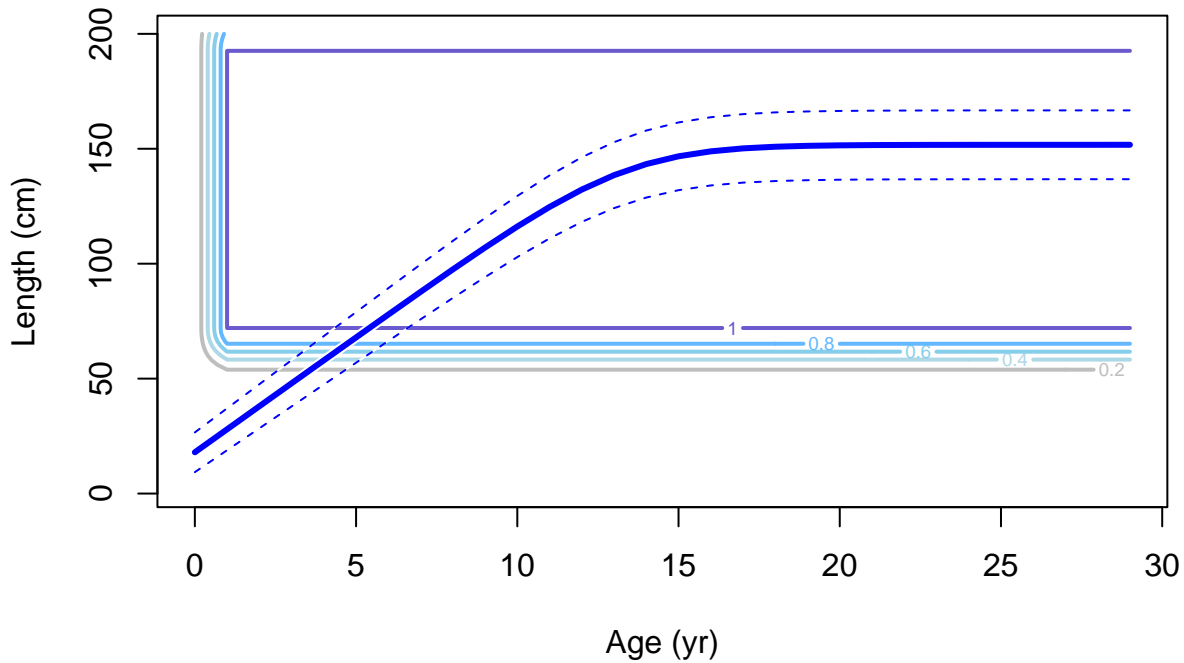


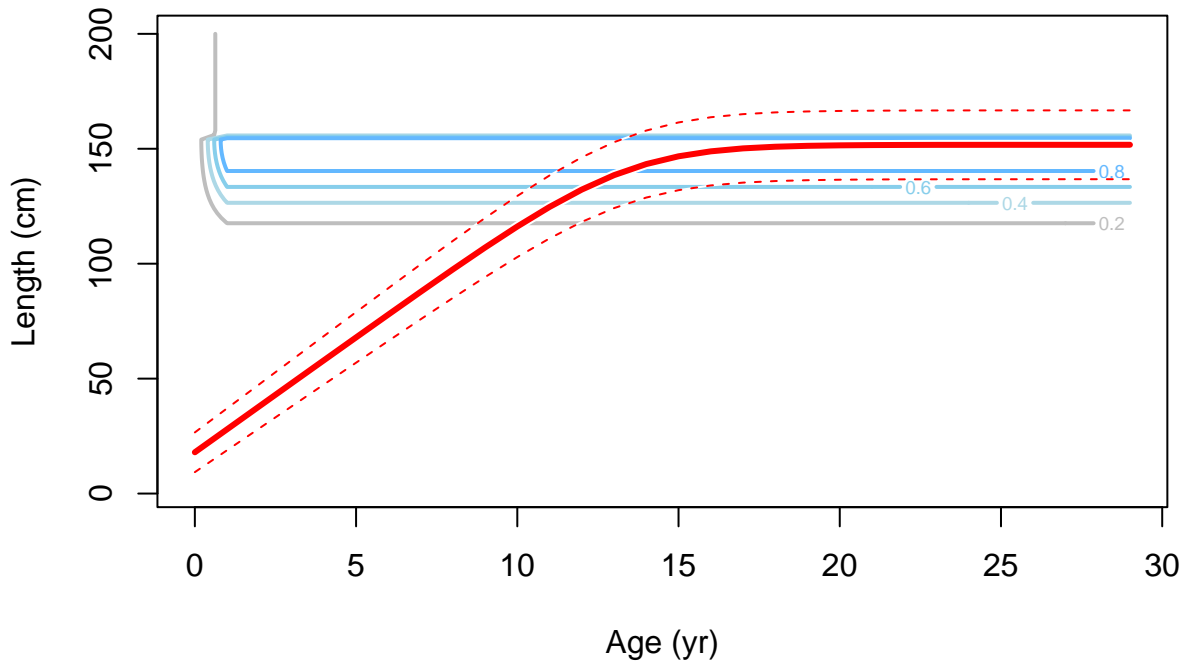


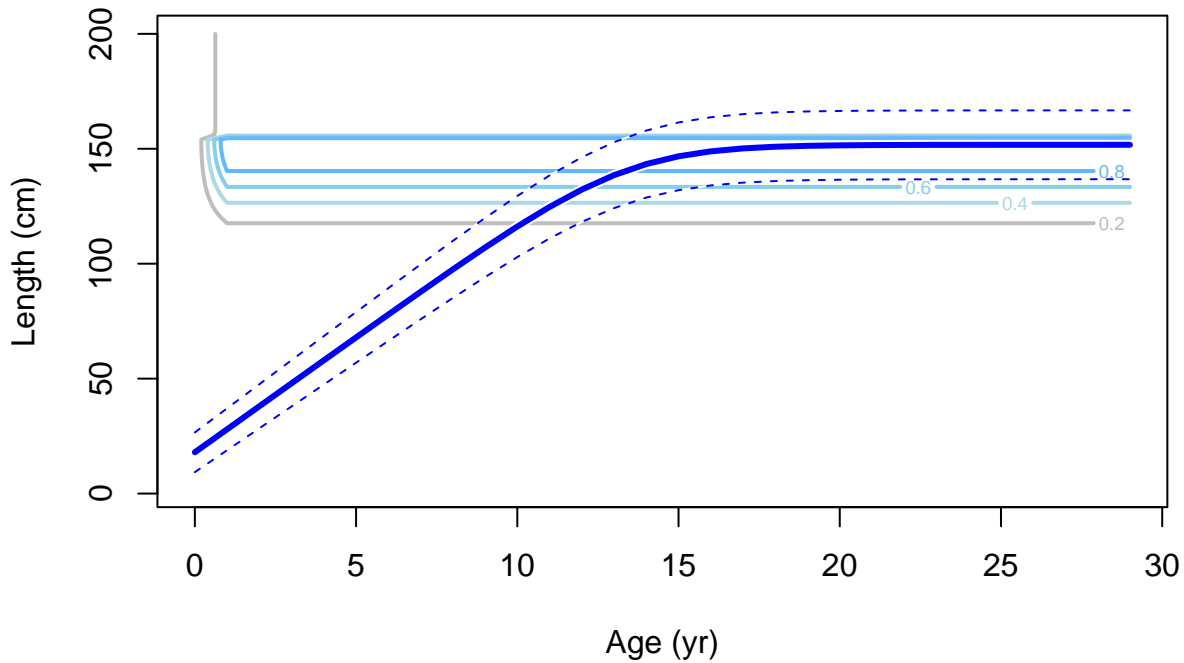


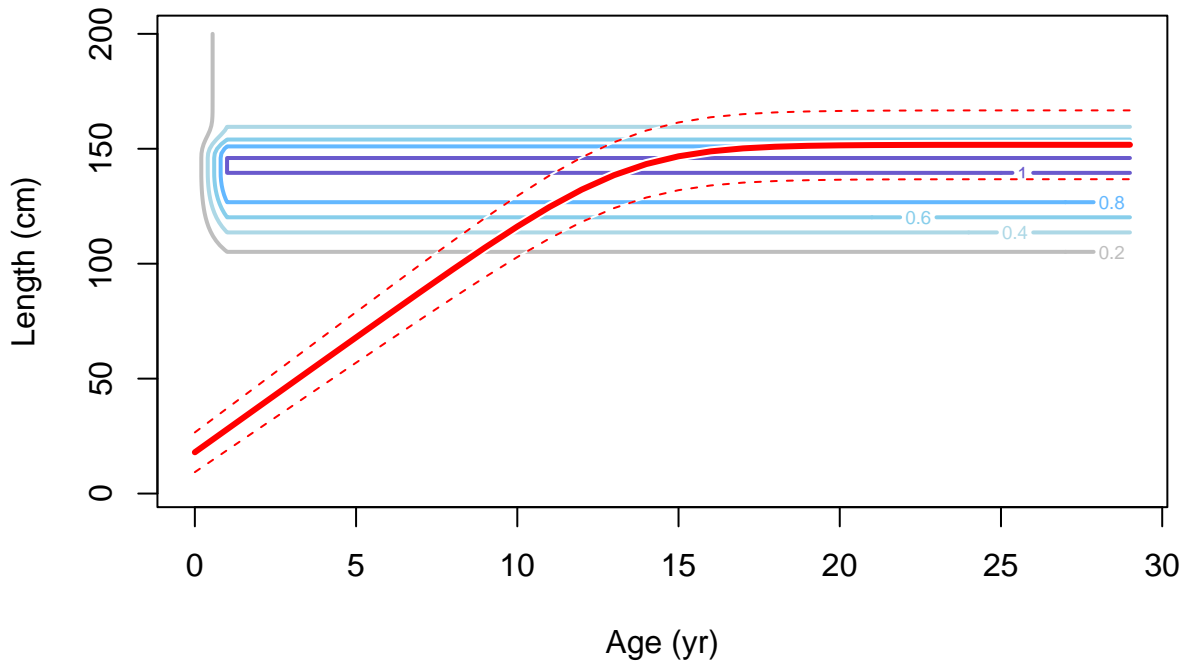


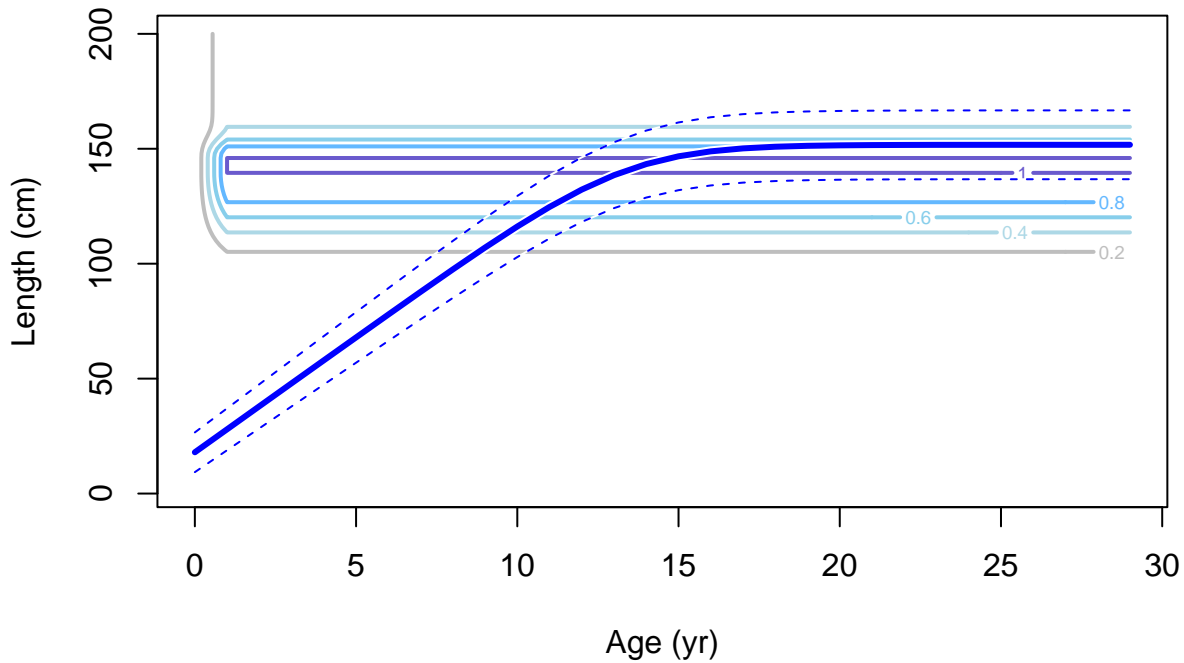


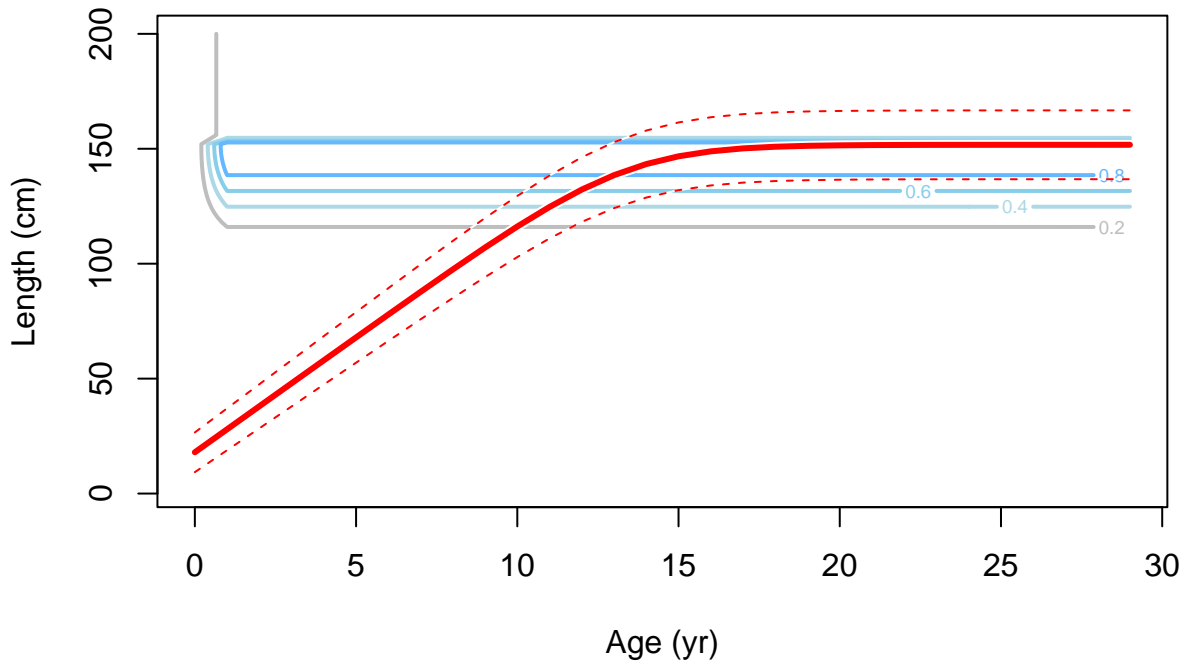


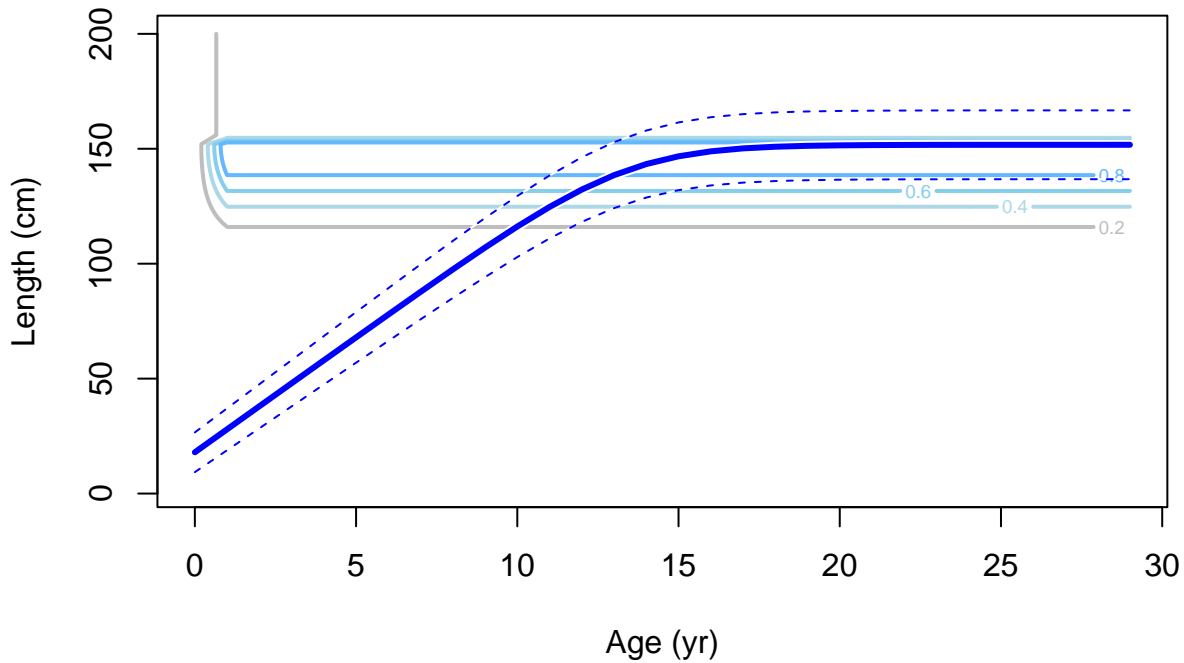


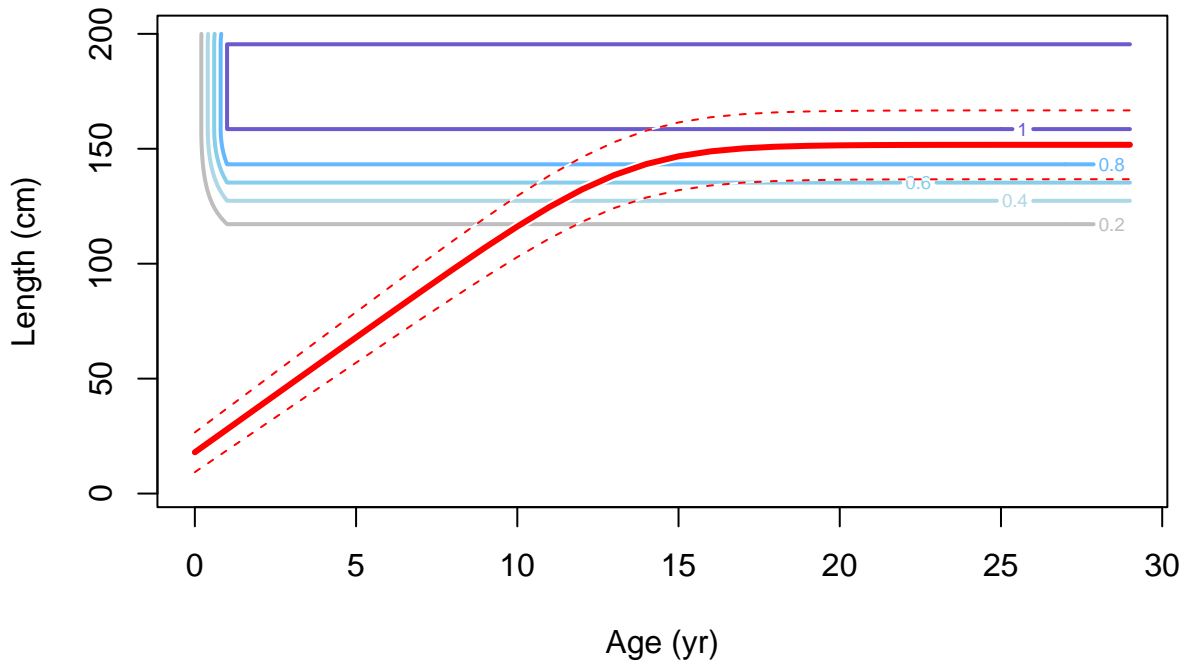


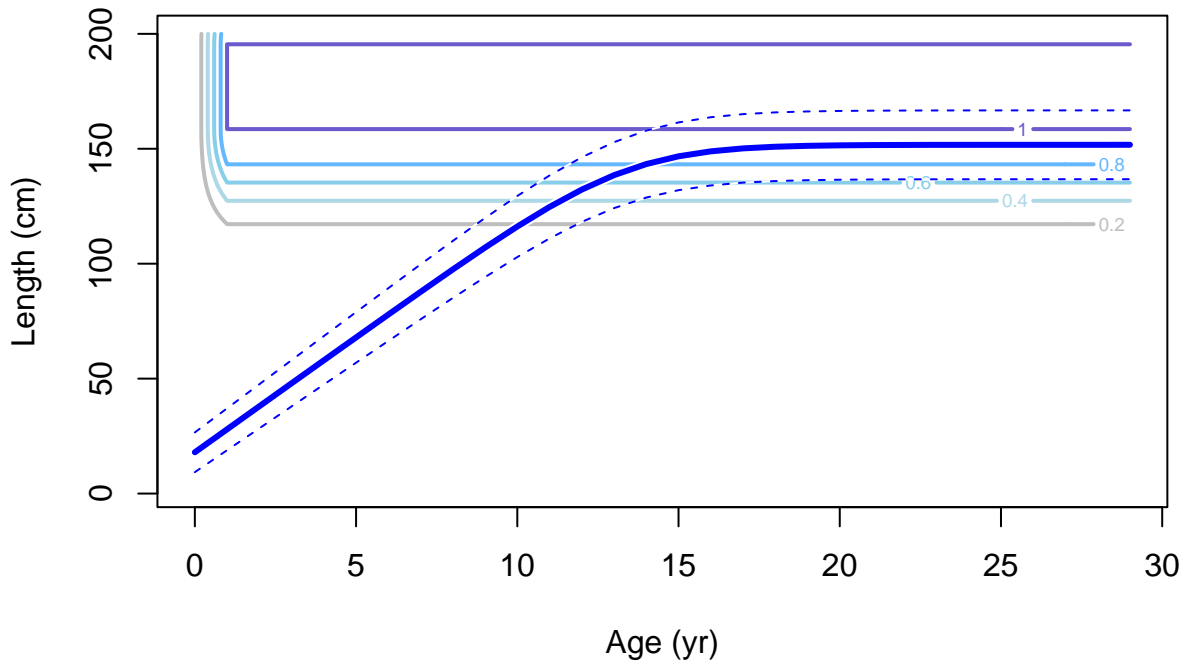


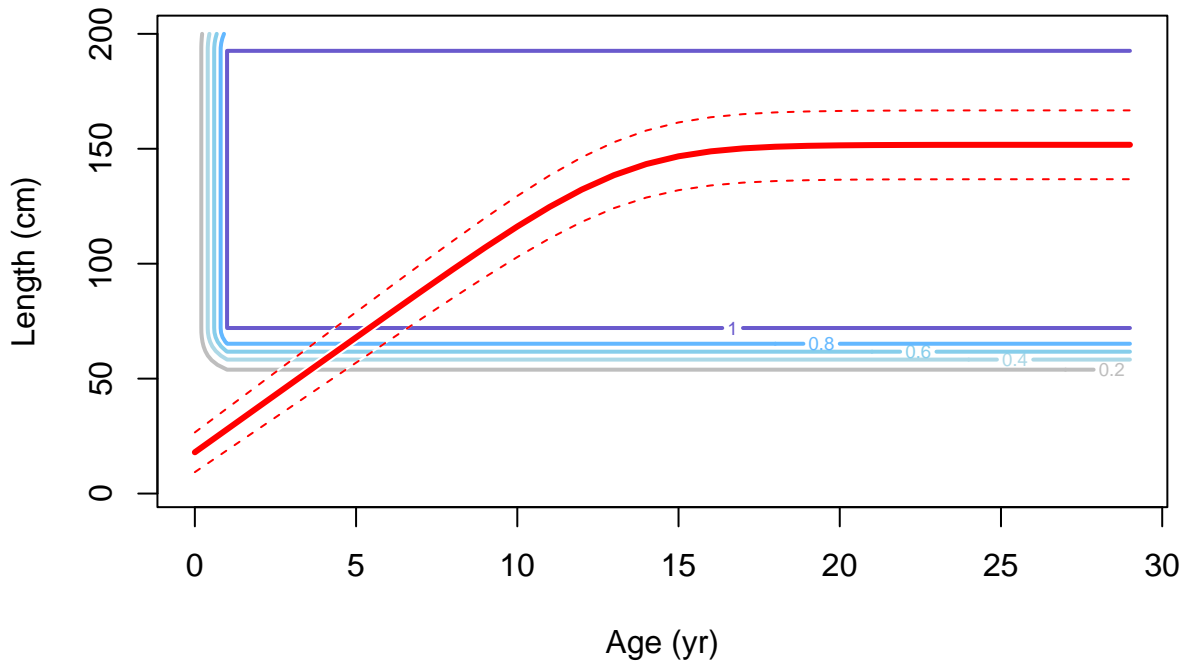


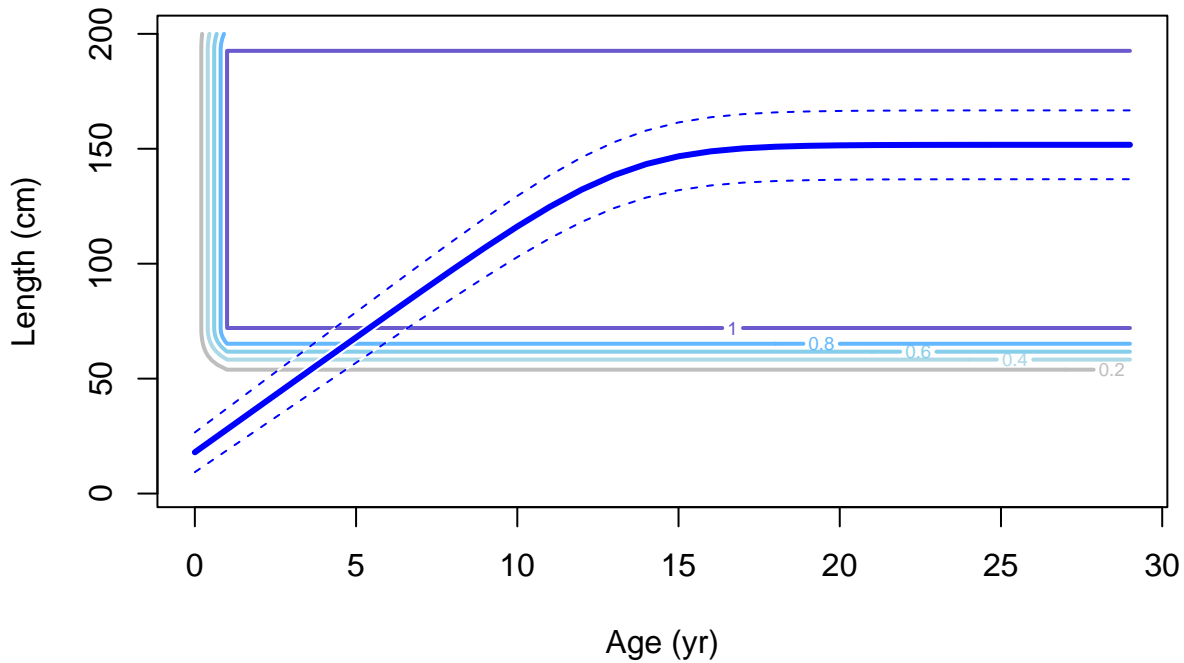


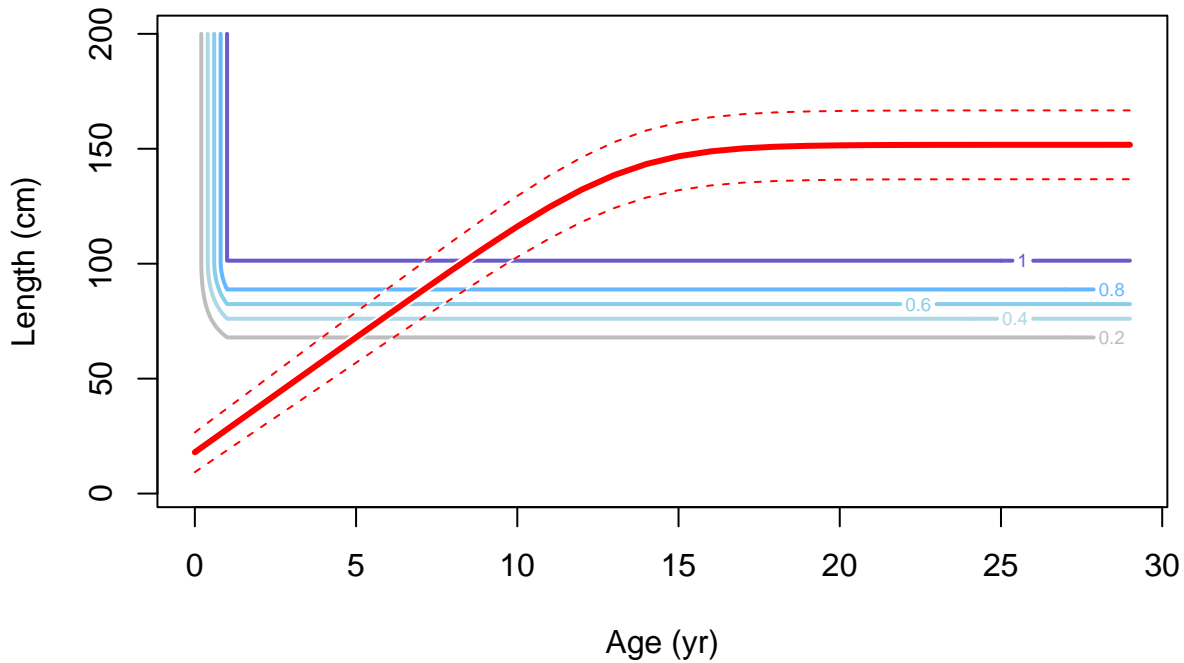


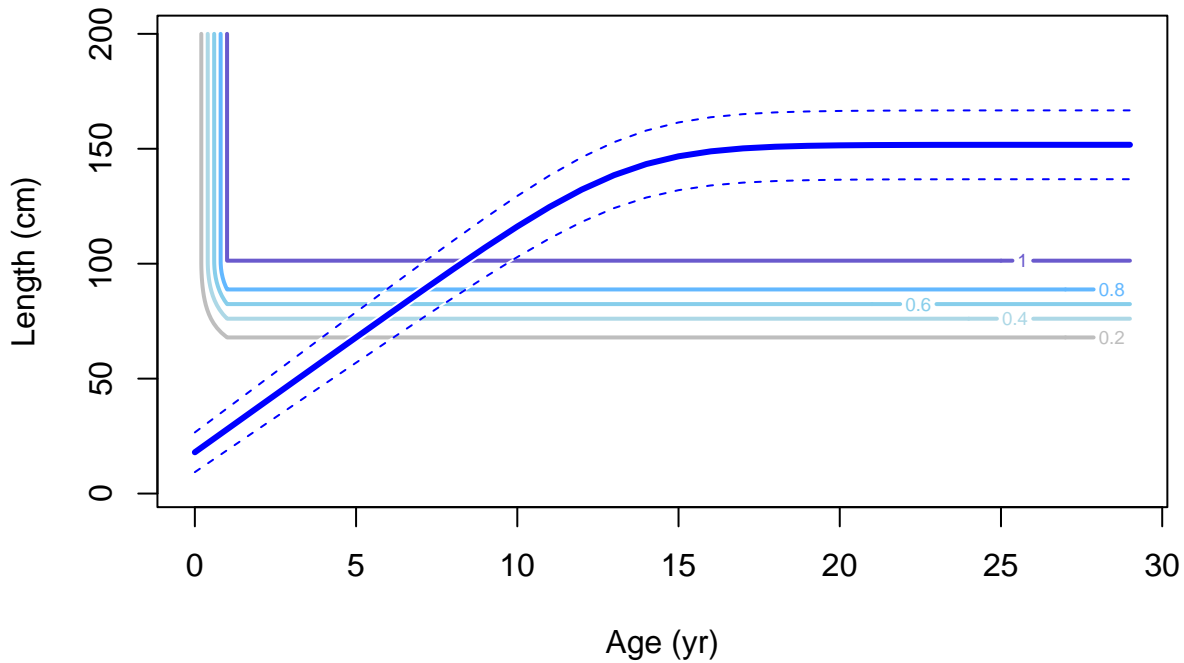


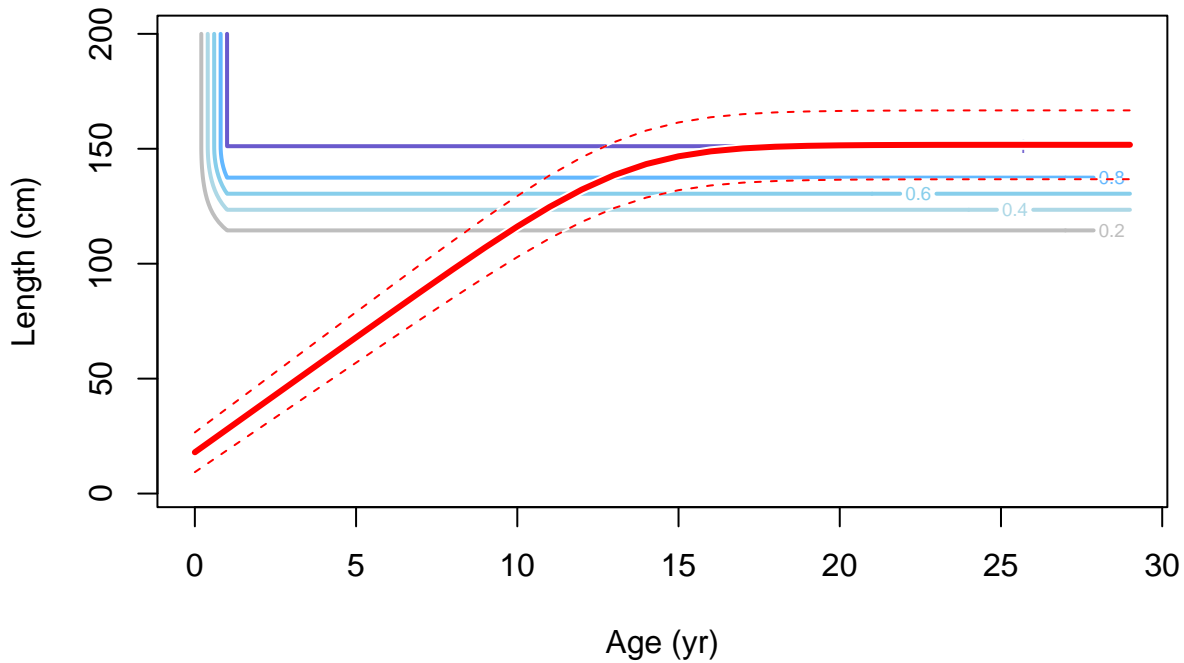


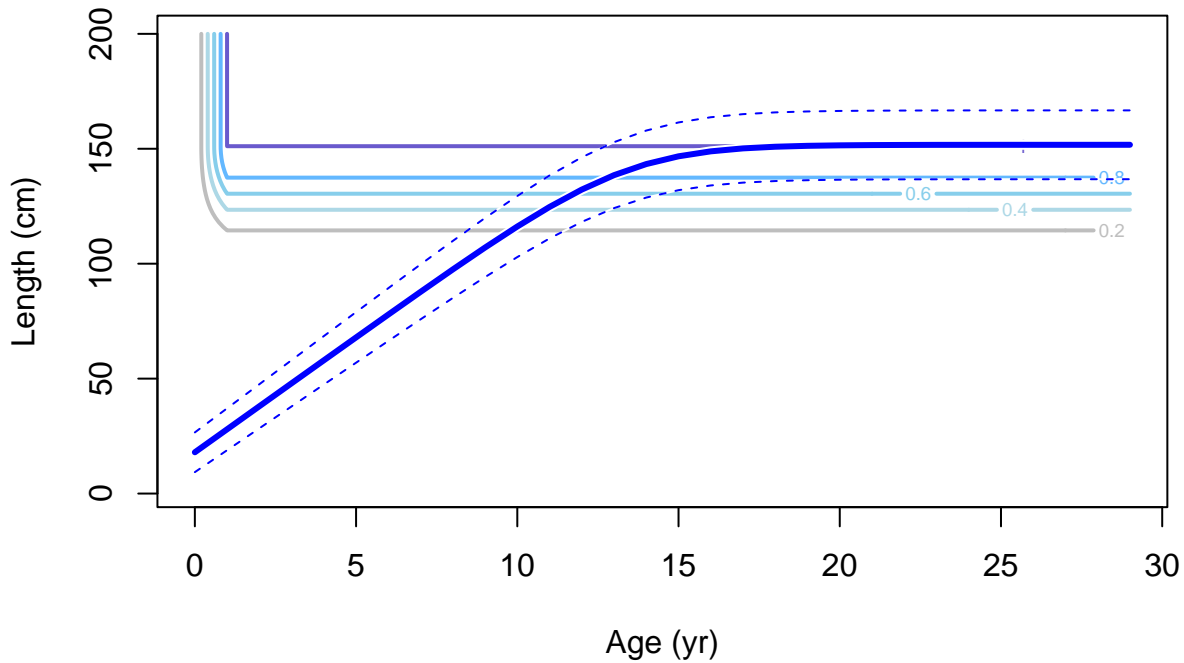


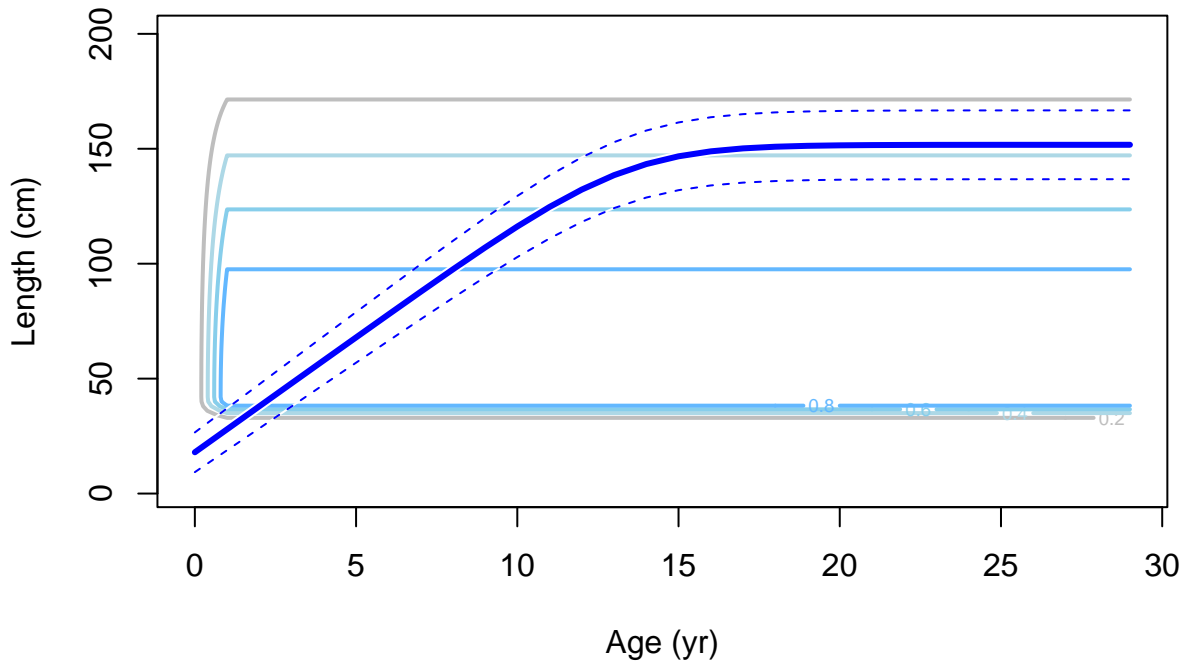


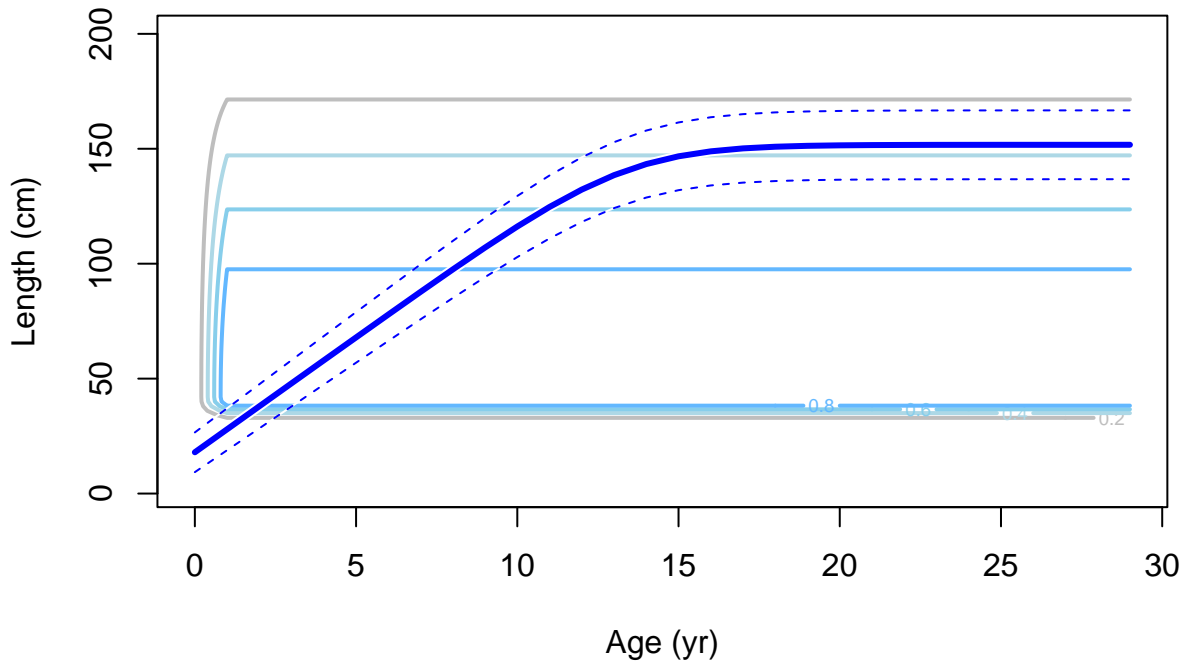




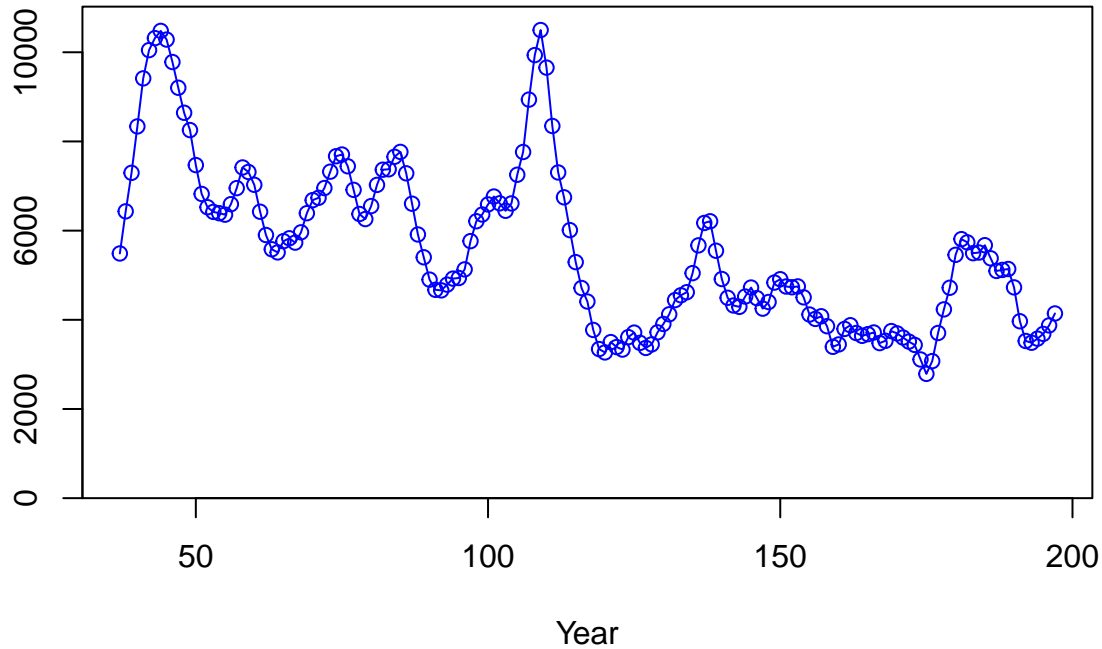




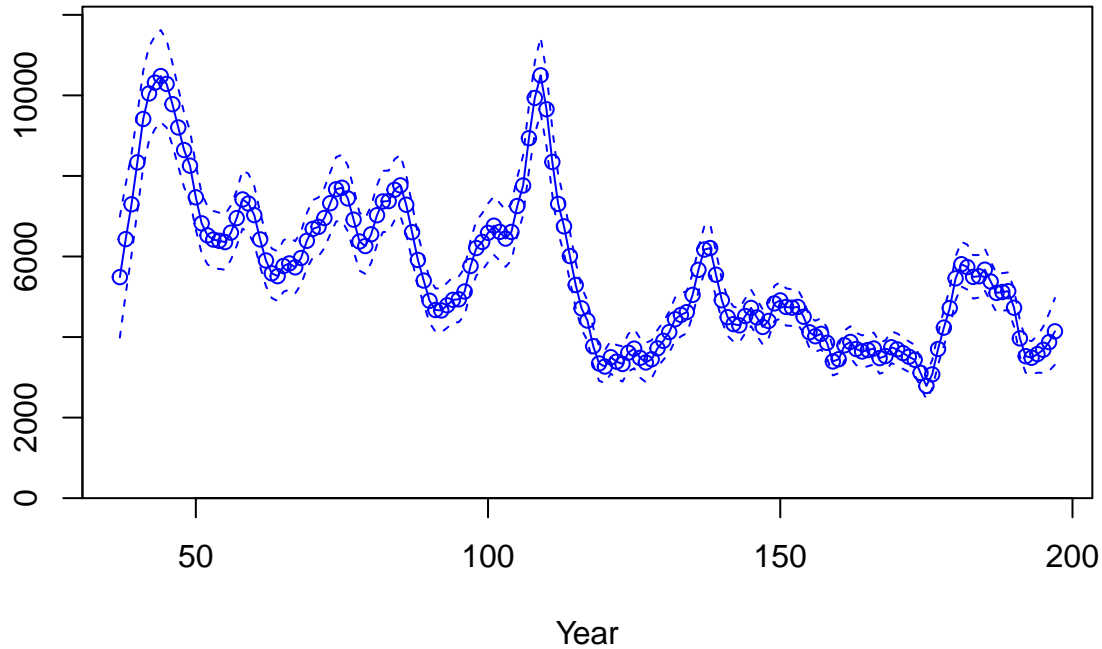




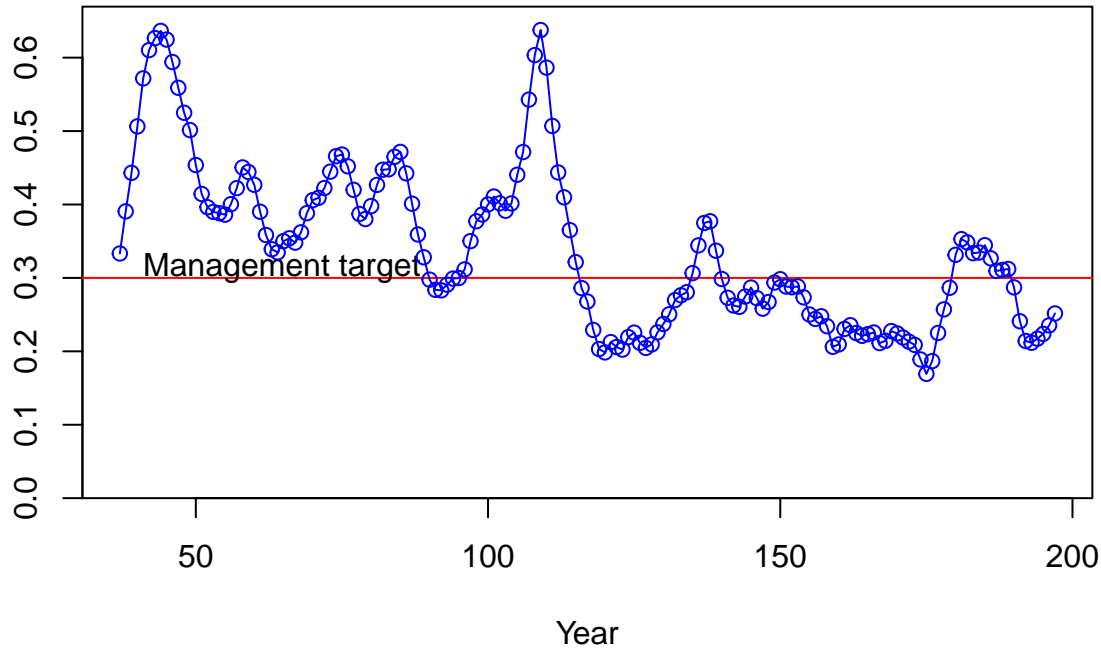
Spawning output



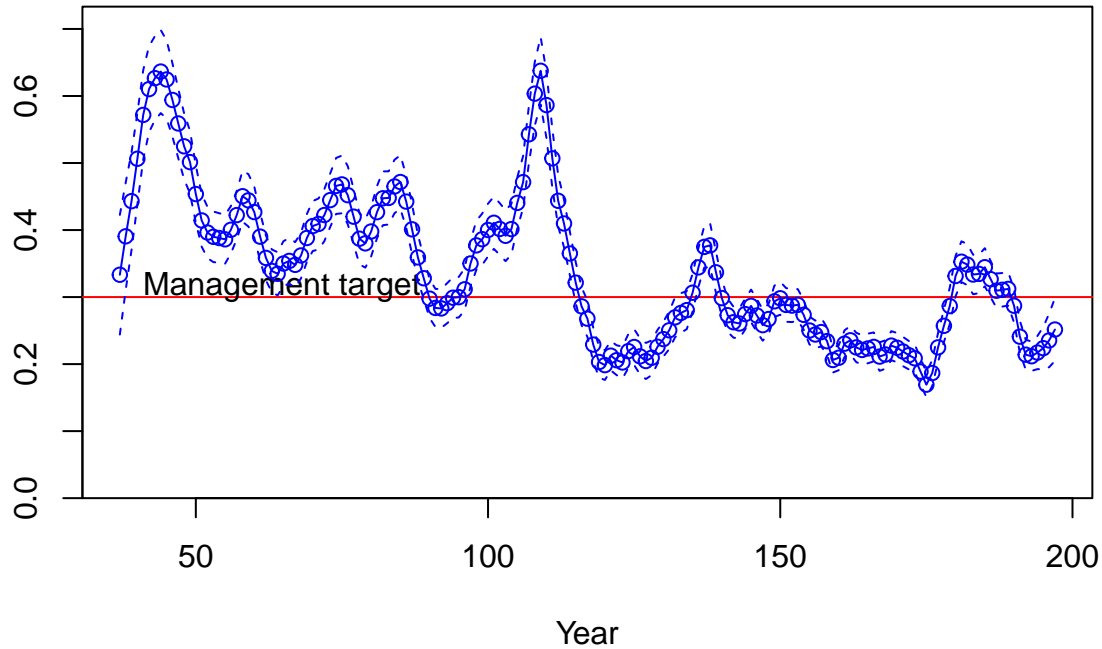
Spawning output

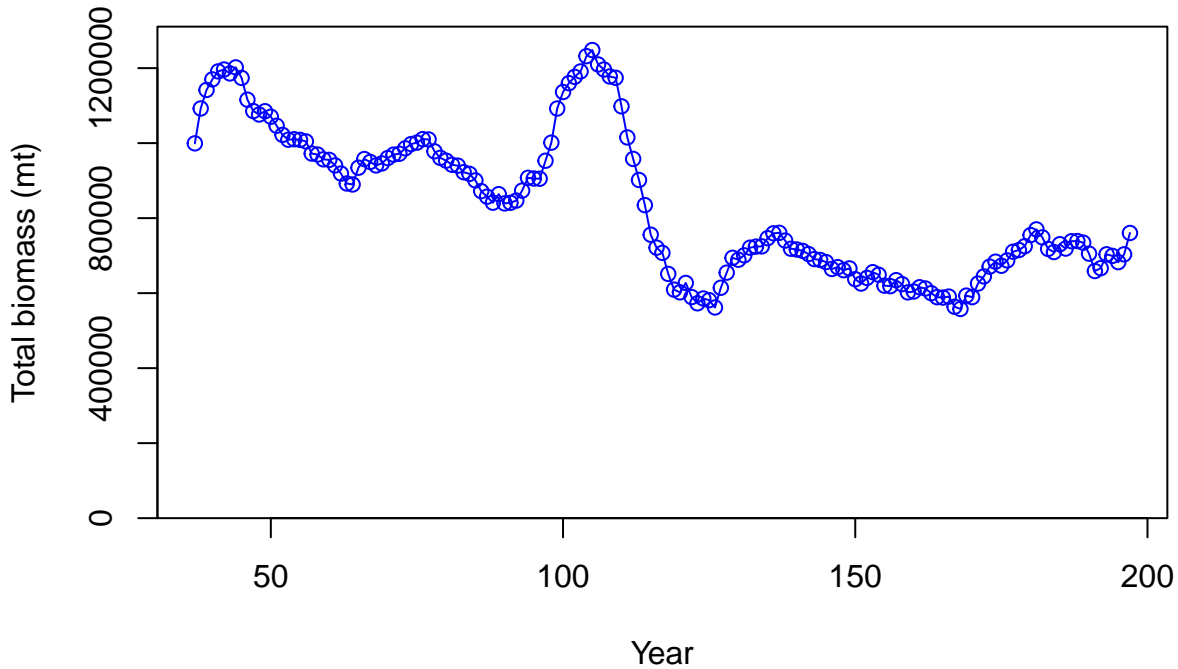


Relative spawning output: B/B_0

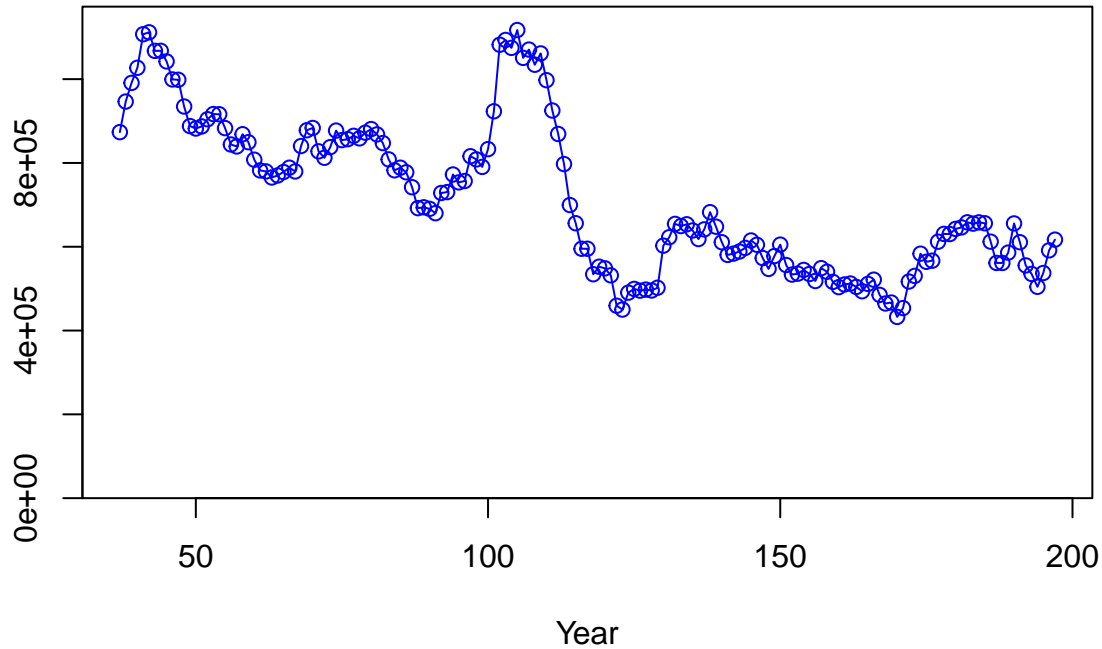


Relative spawning output: B/B_0

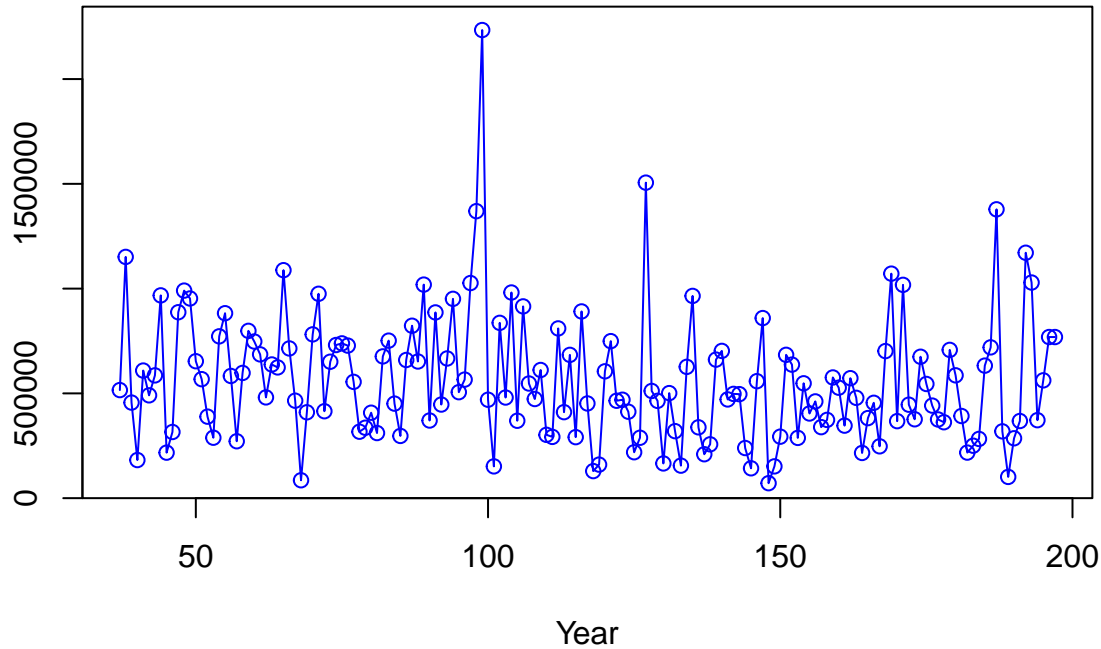




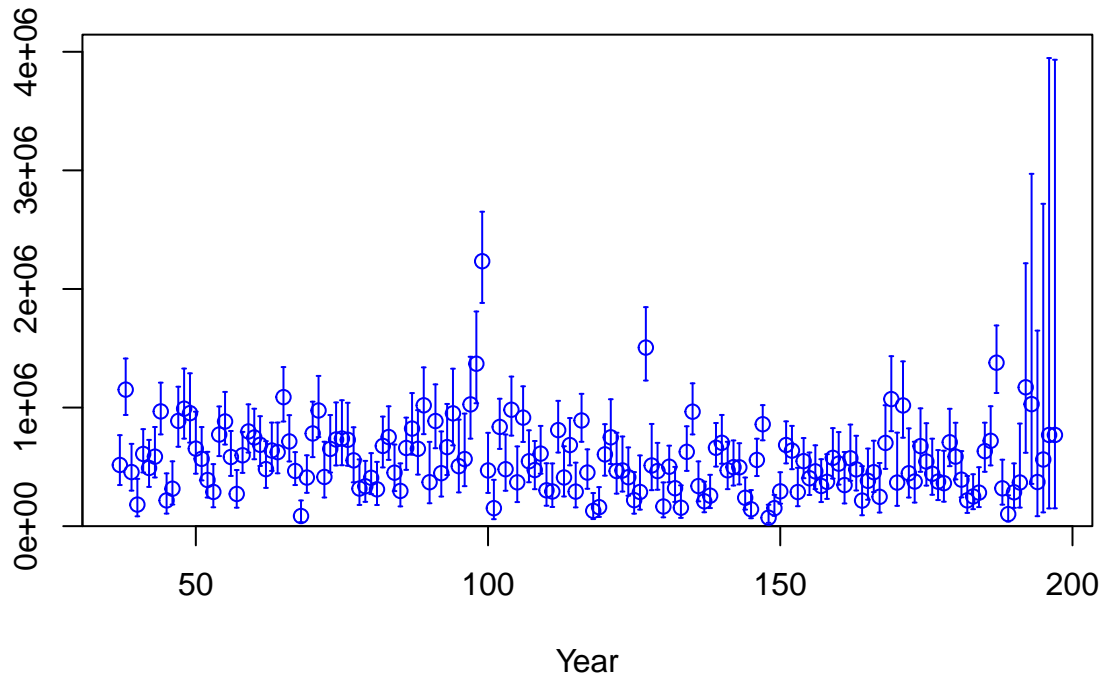
Summary biomass (mt)



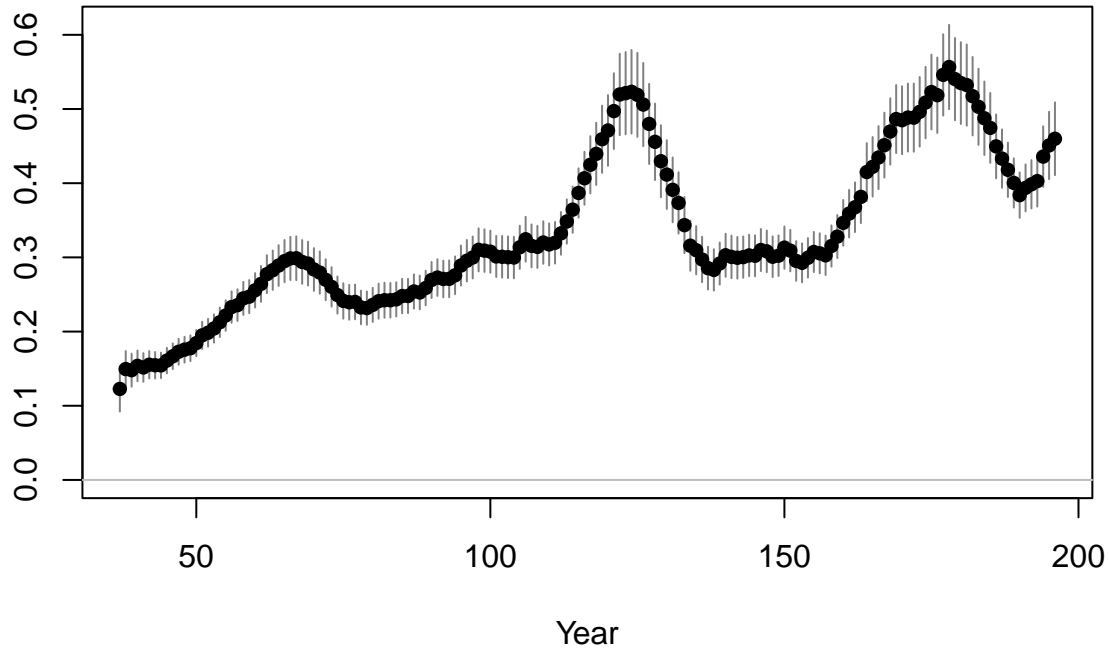
Age-0 recruits (1,000s)



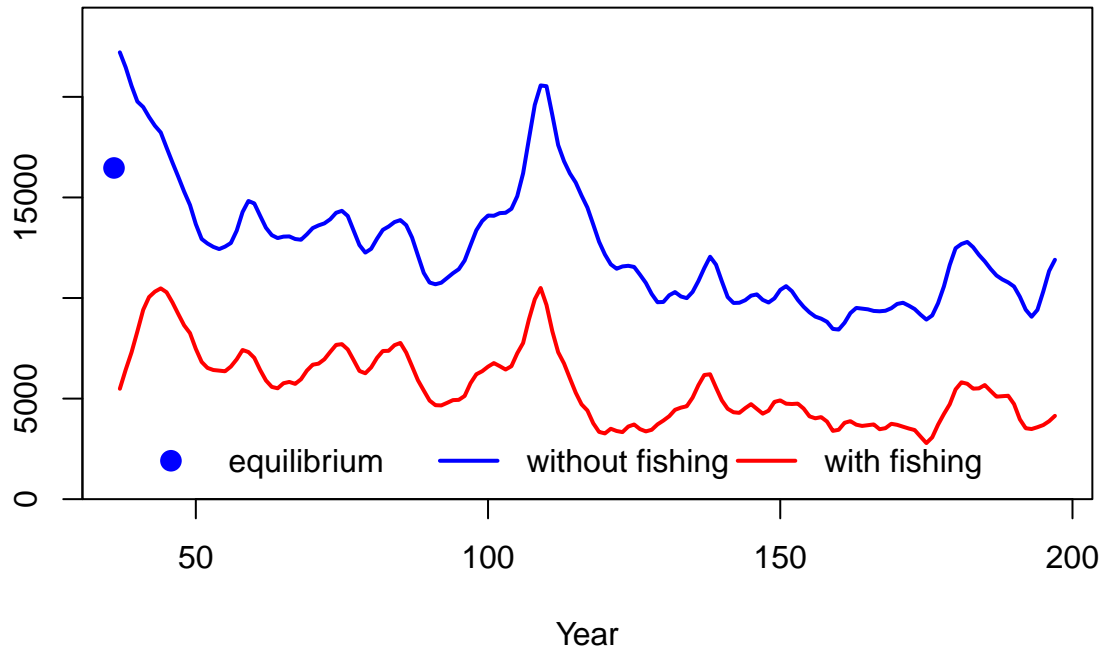
Age-0 recruits (1,000s)



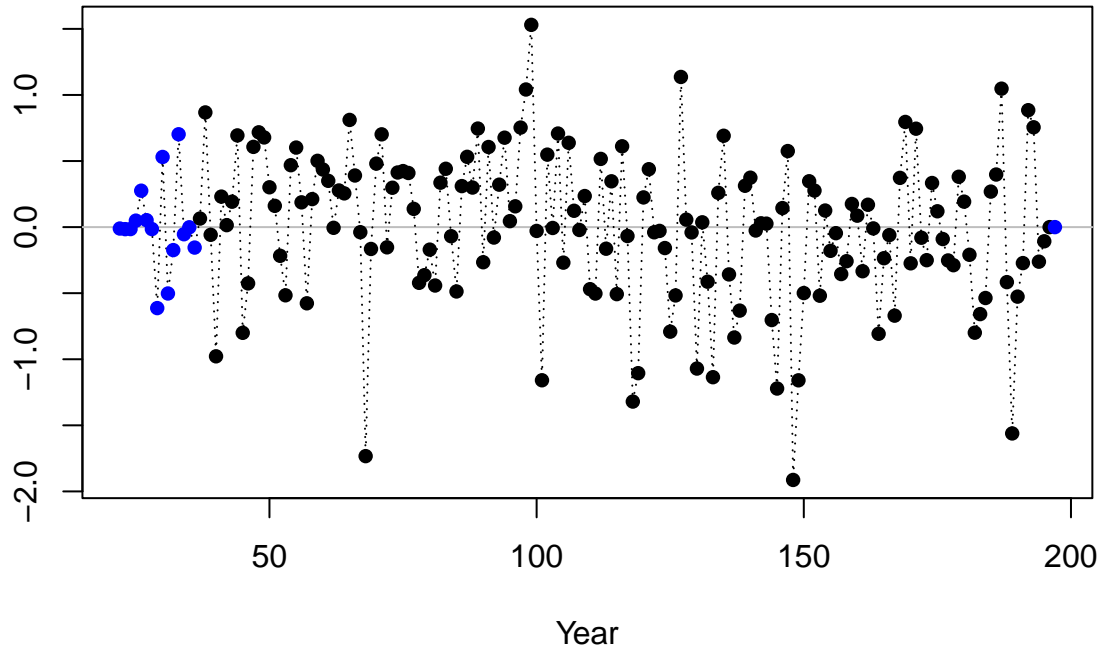
Summary Fishing Mortality



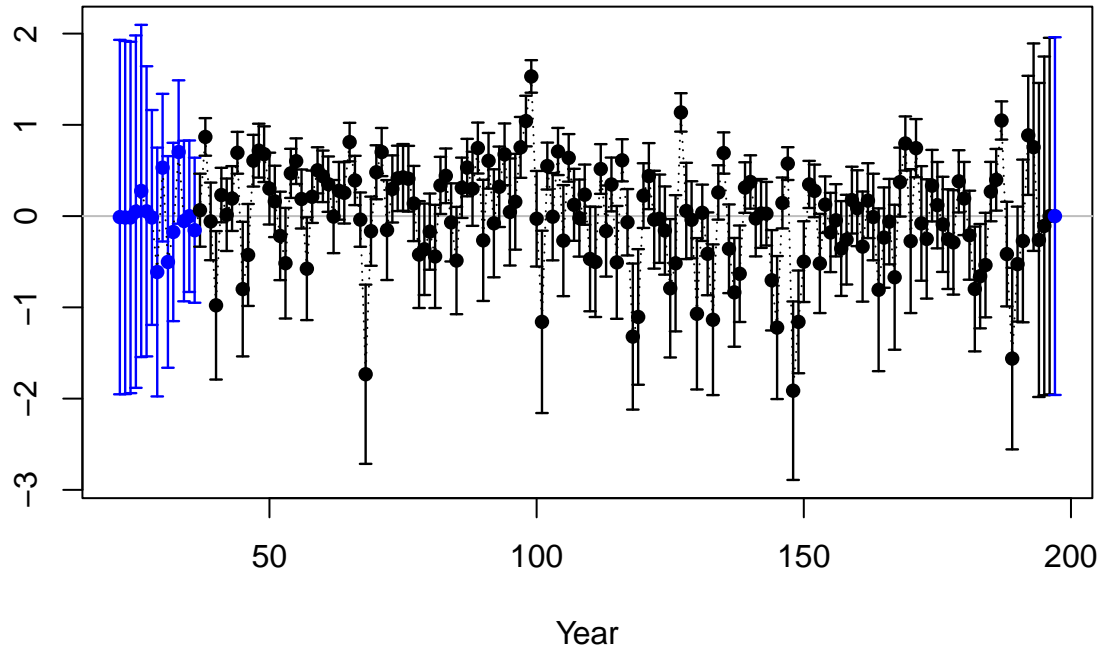
Spawning output



Log recruitment deviation

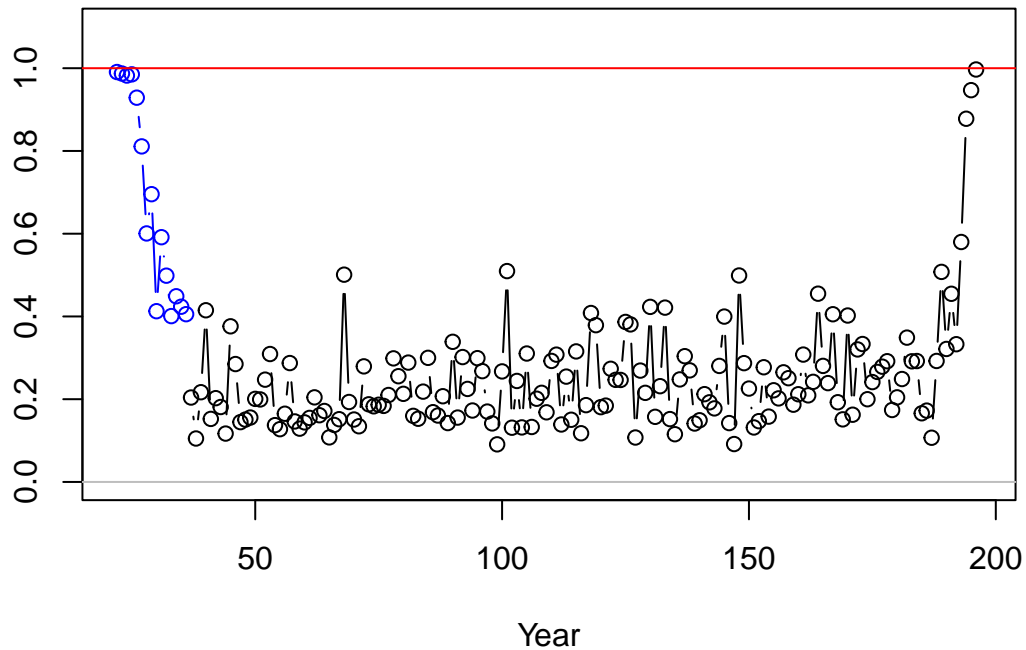


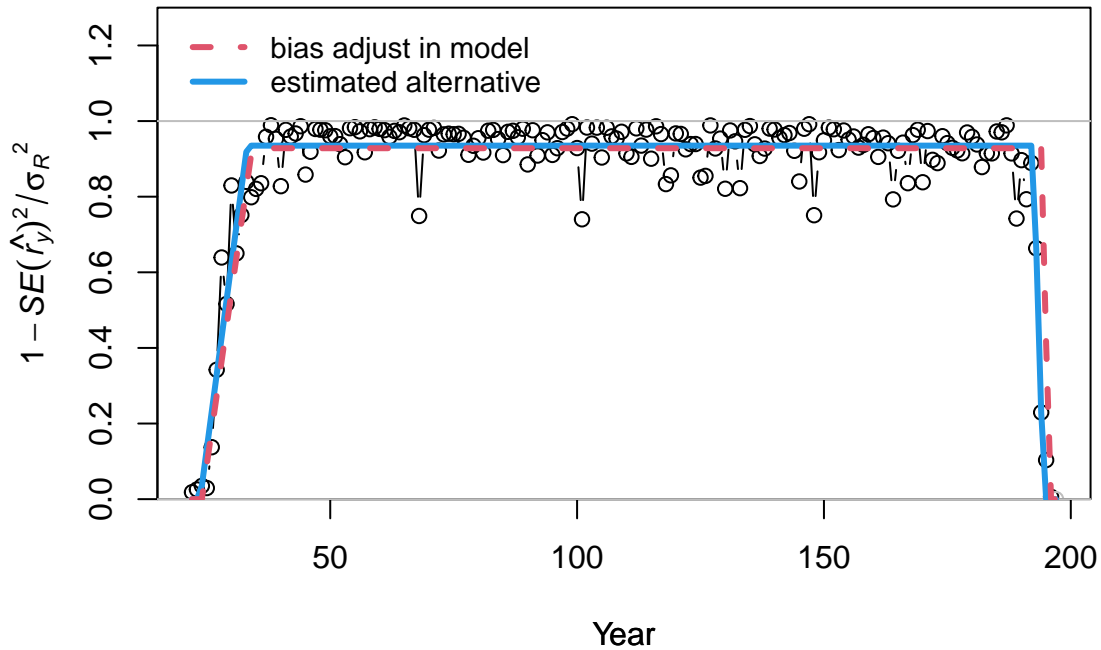
Log recruitment deviation

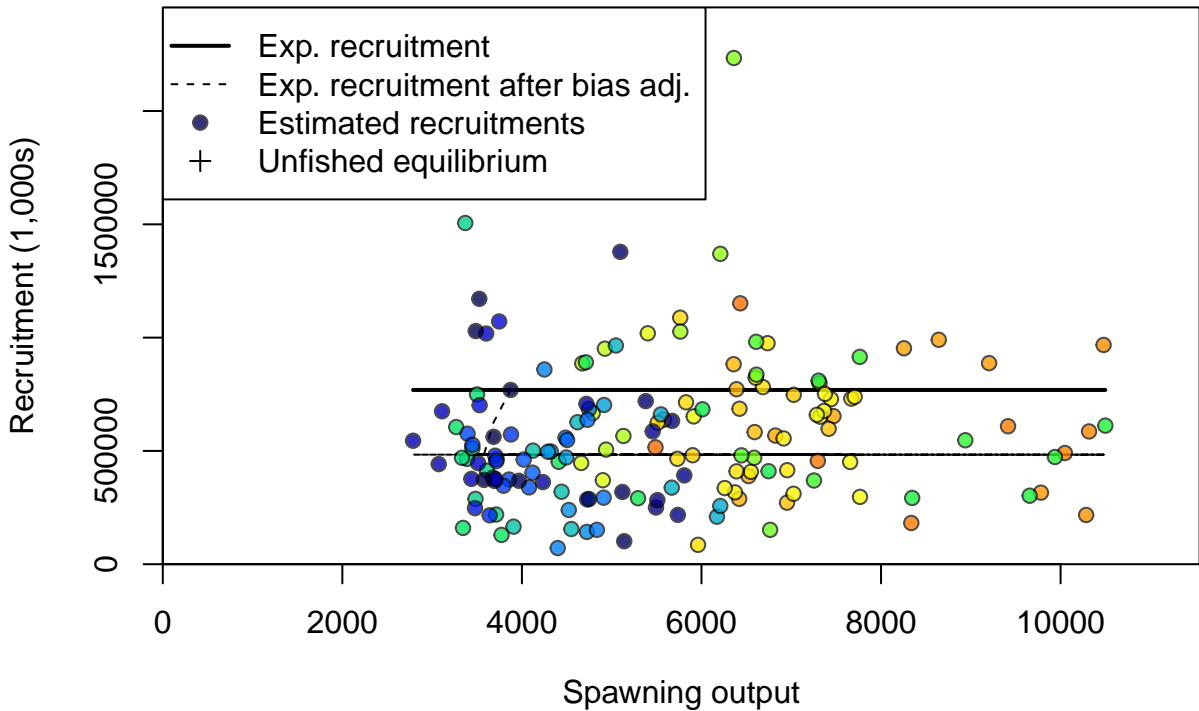


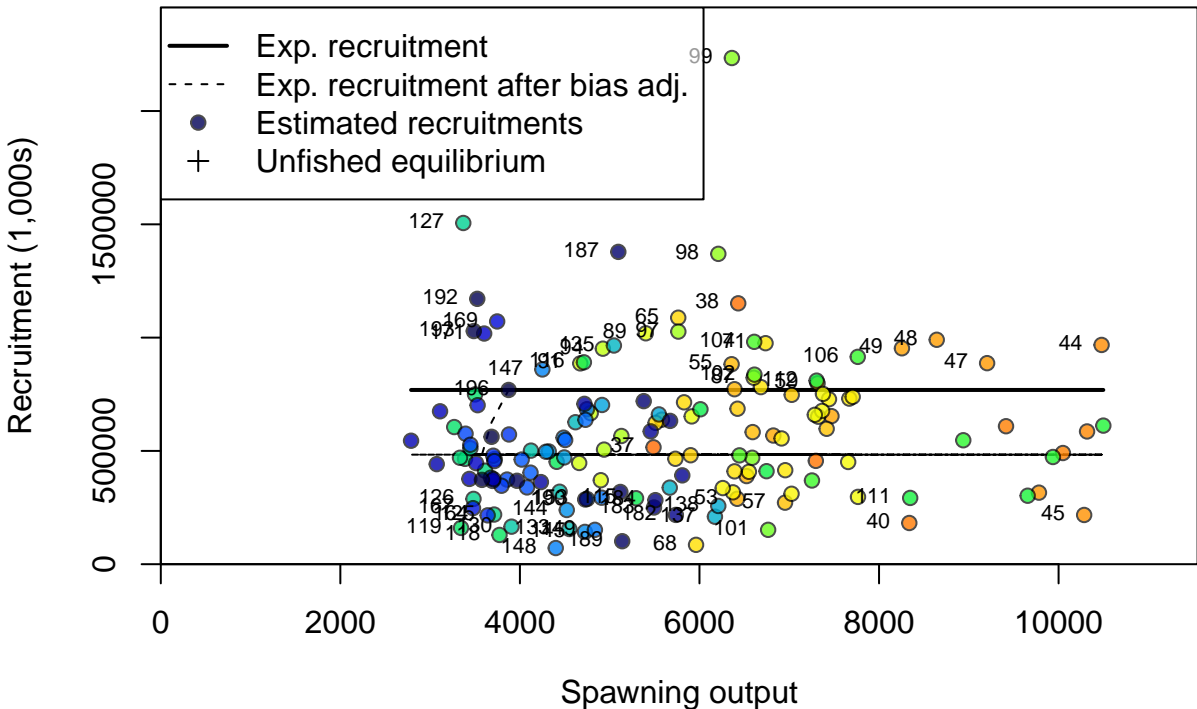
Recruitment deviation variance

Asymptotic standard error estimate

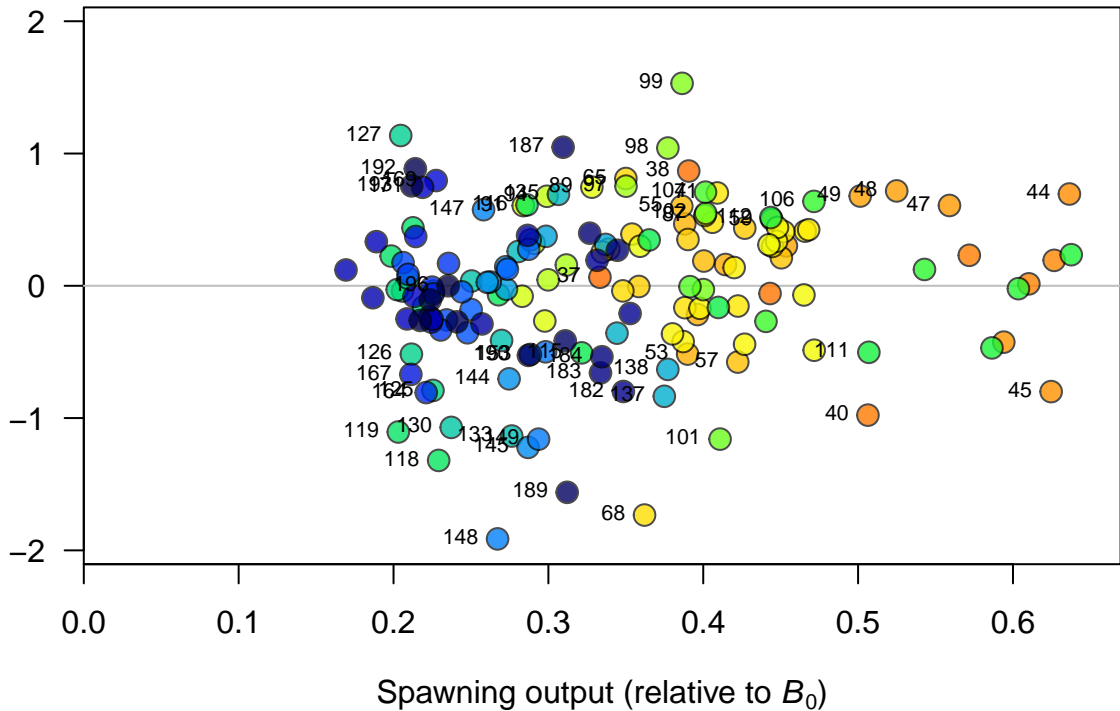


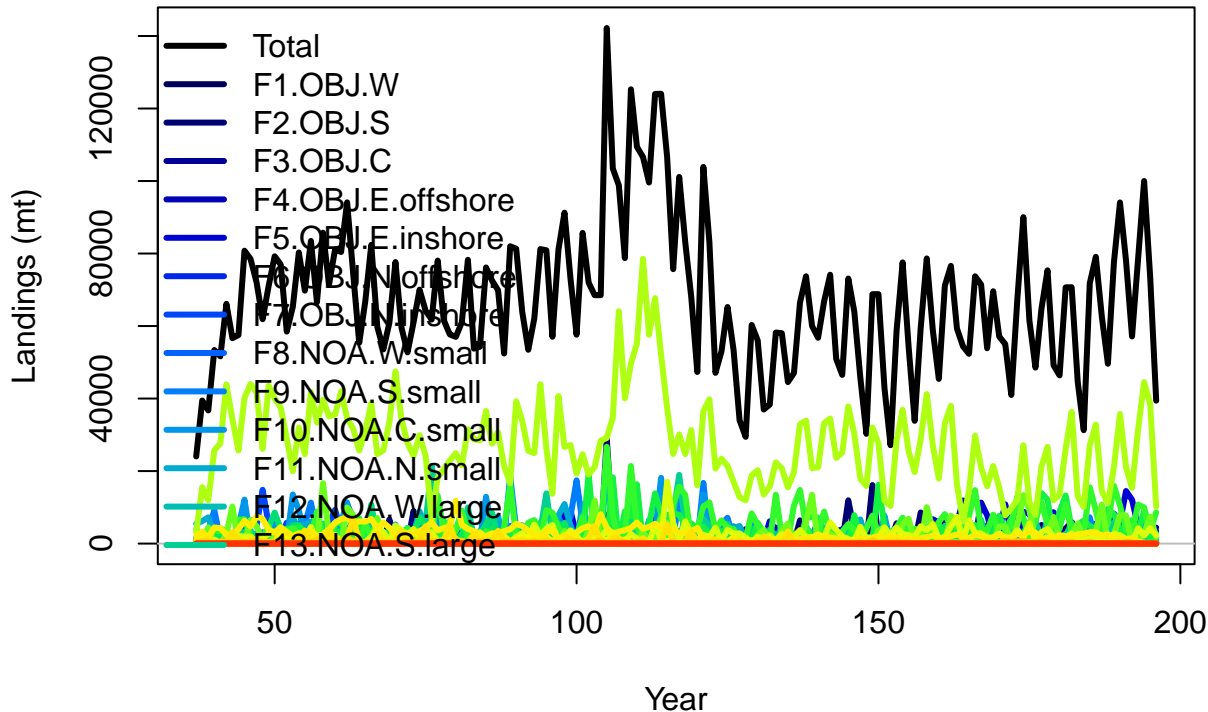


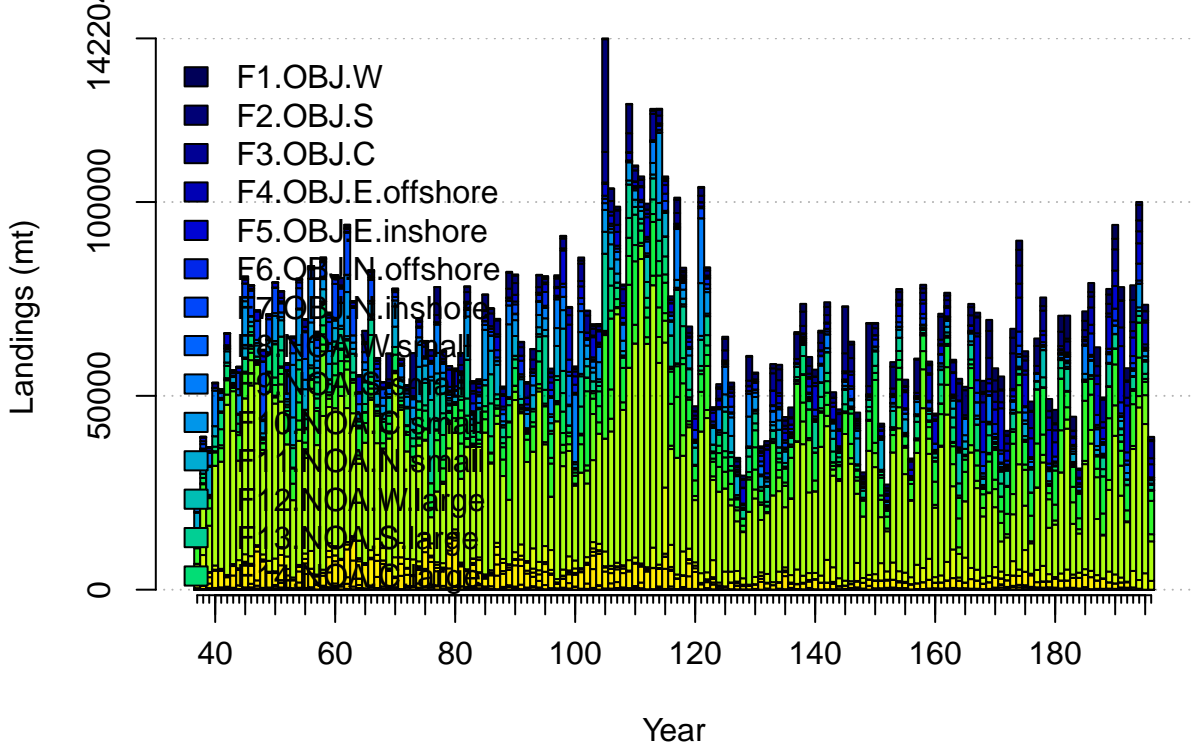


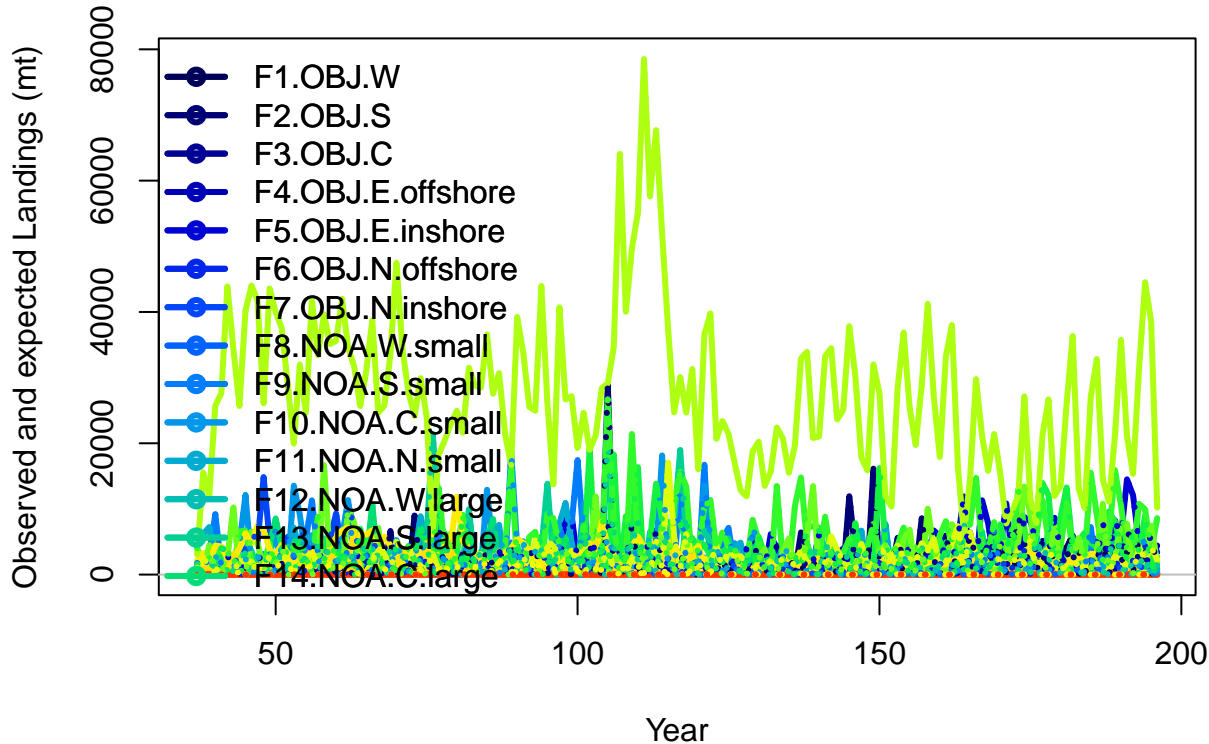


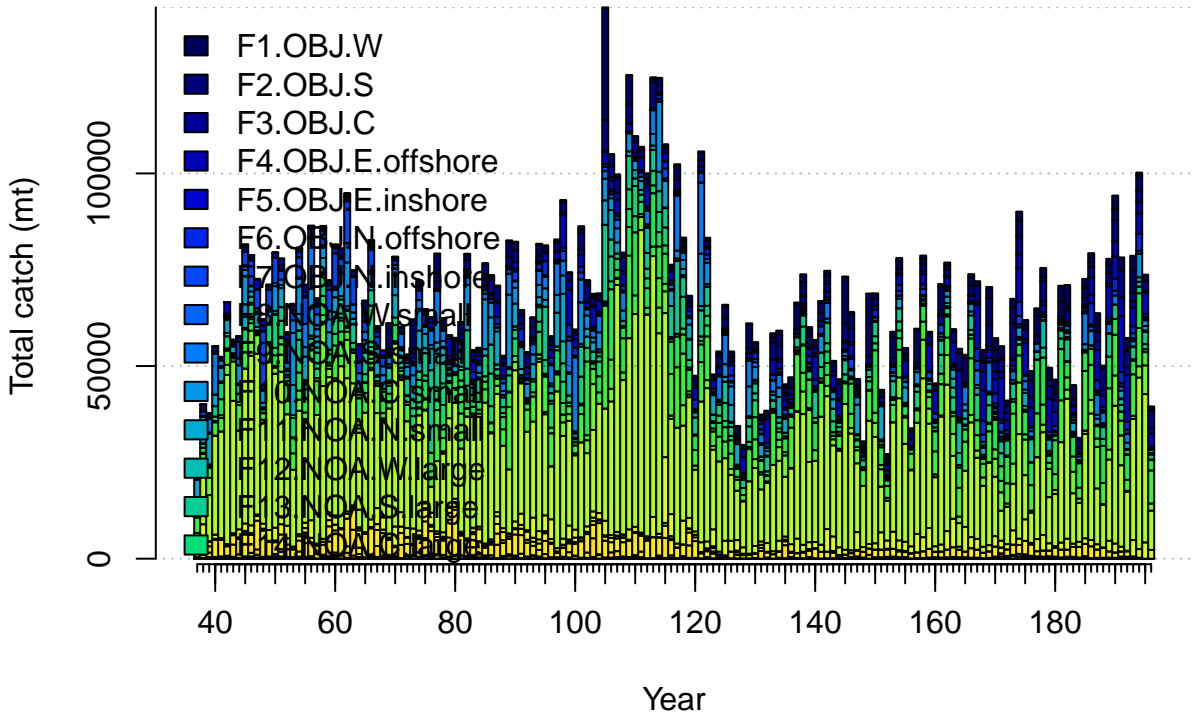
Log recruitment deviation

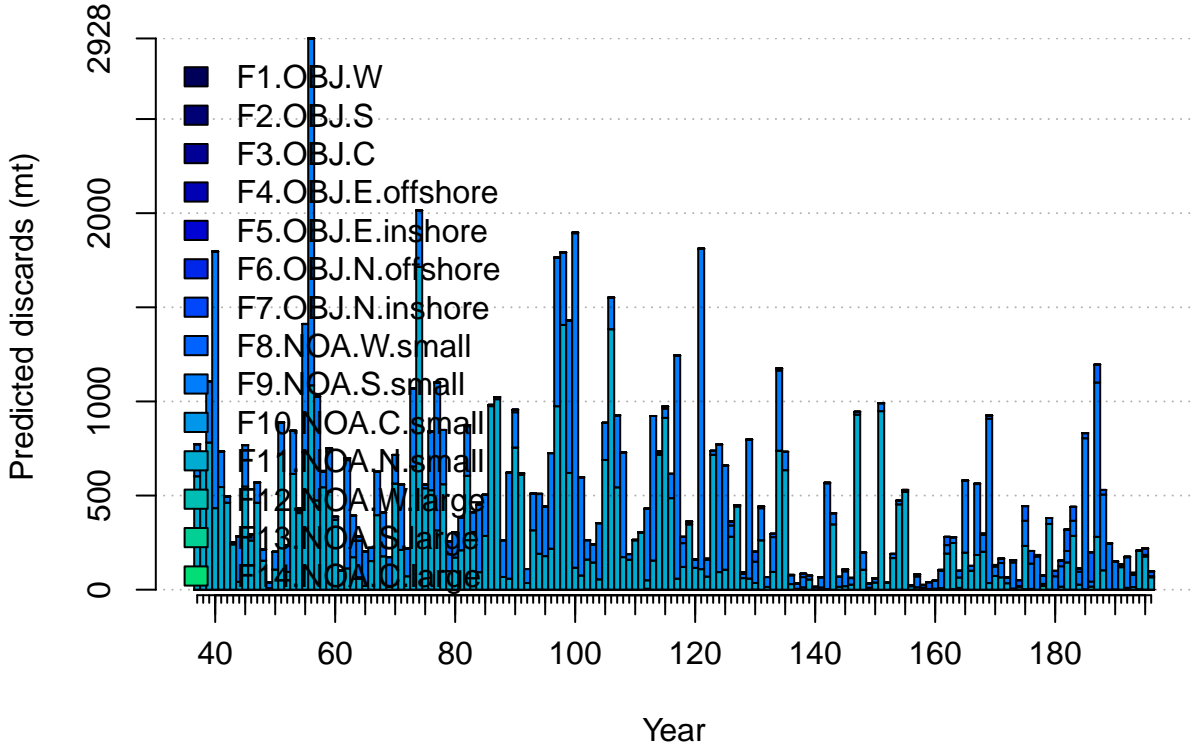


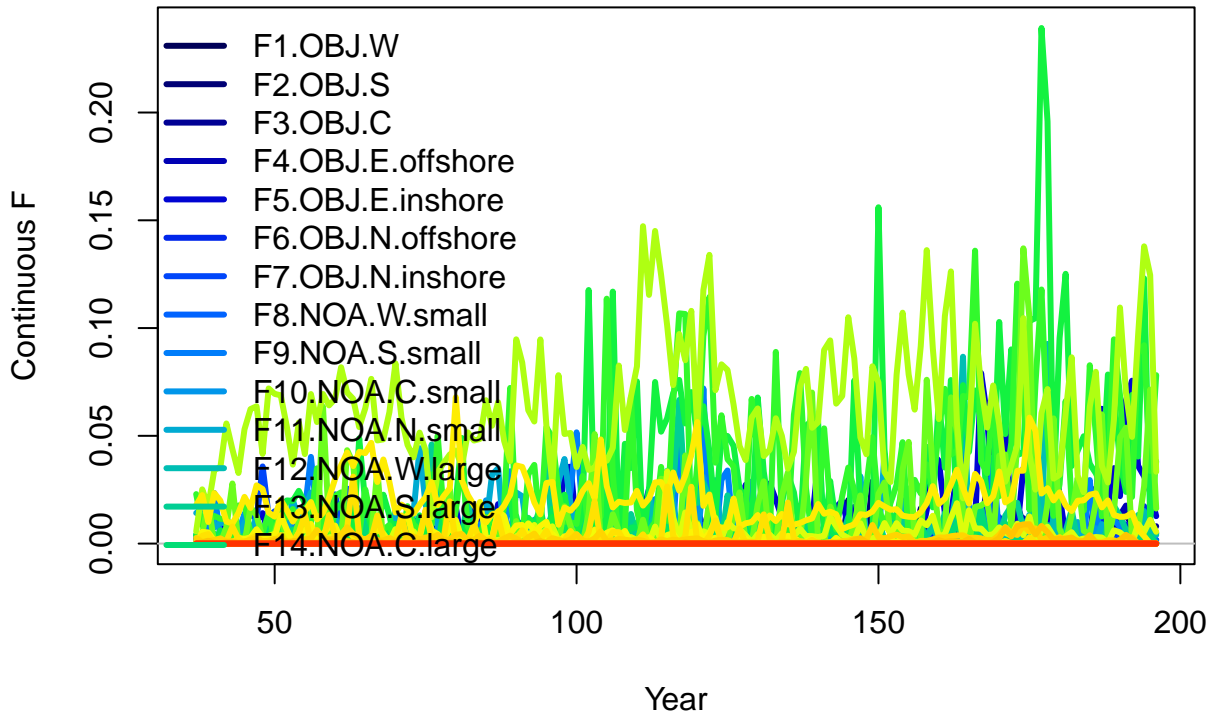


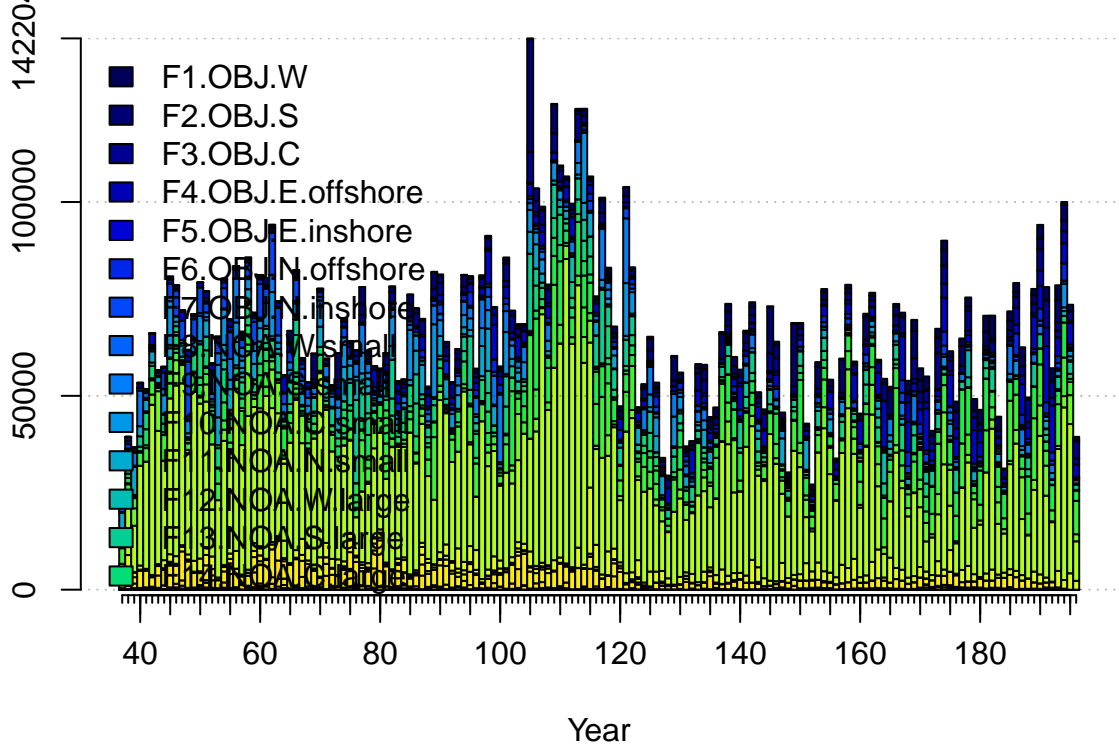


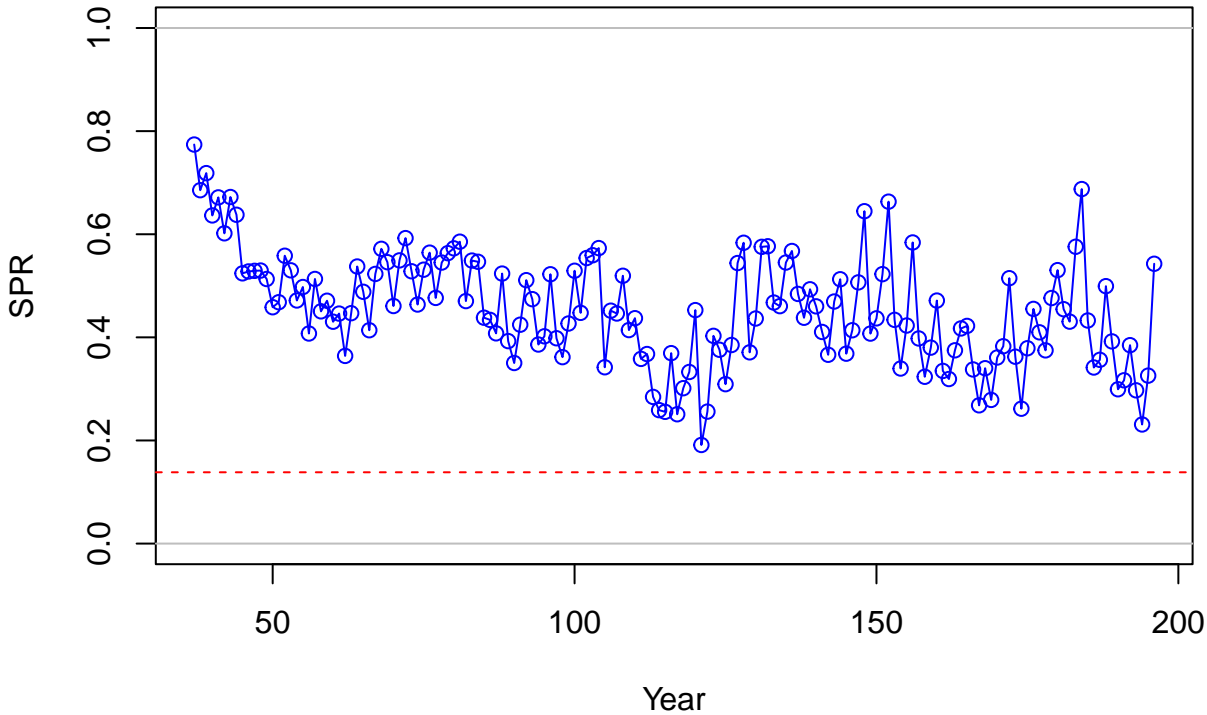


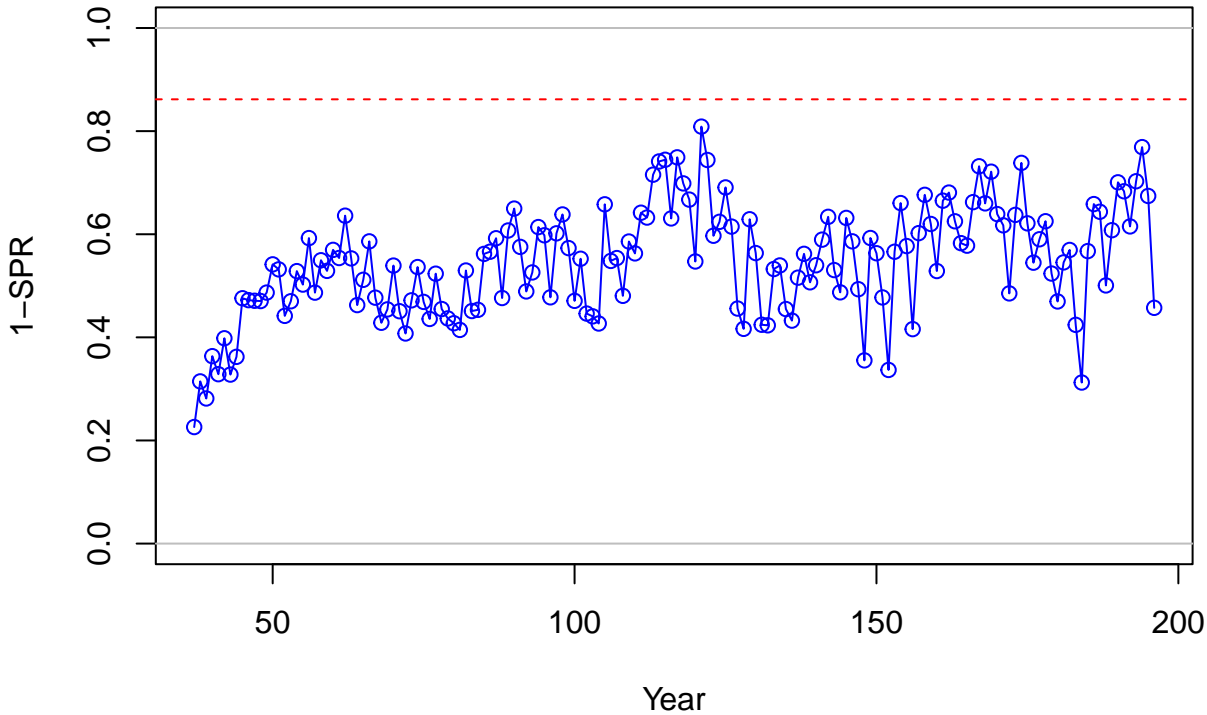


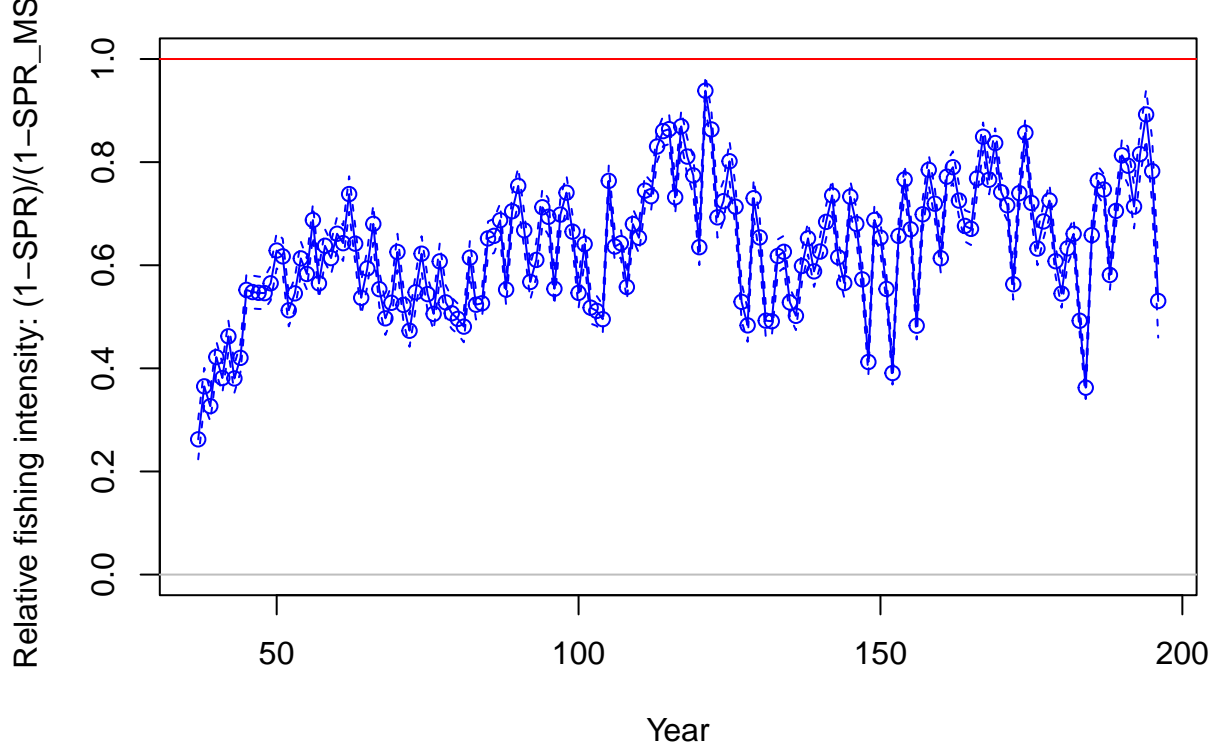




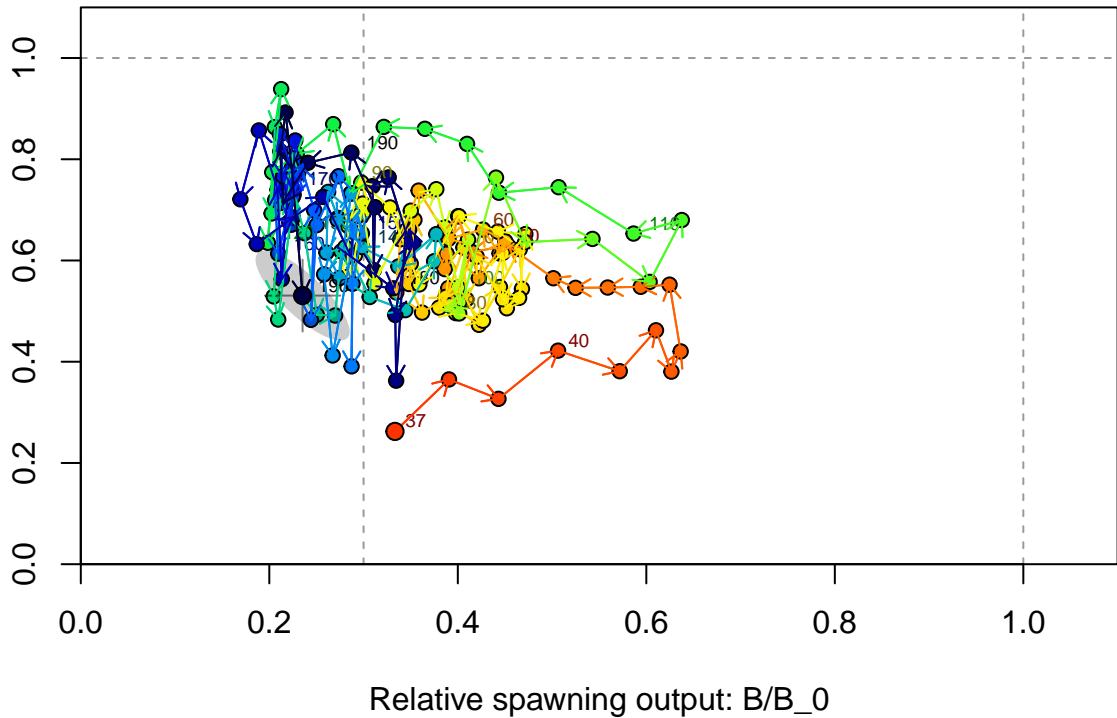




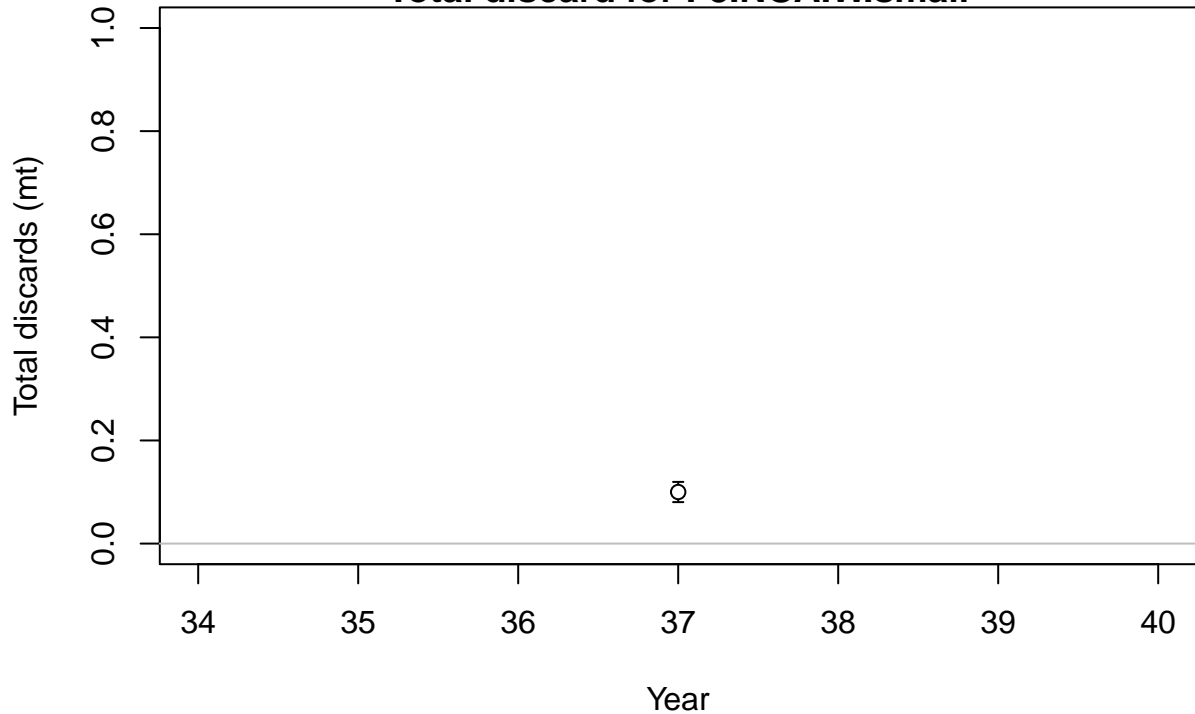




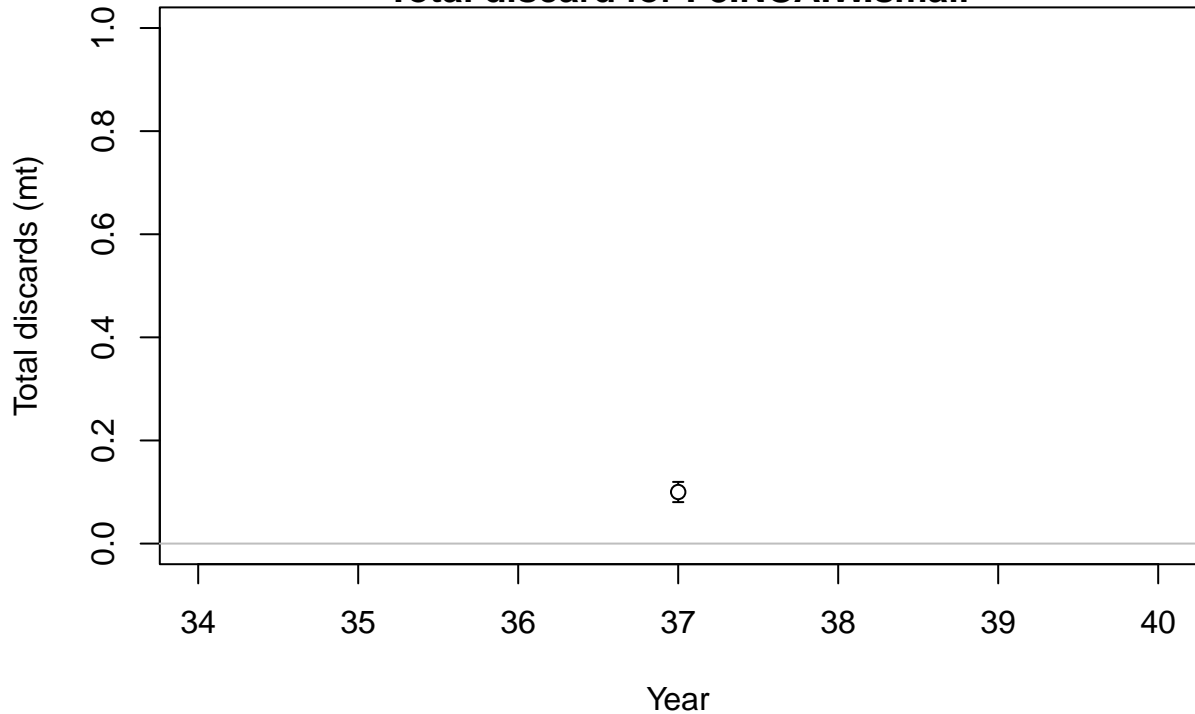
Relative fishing intensity: $(1-SPR)/(1-SPR_{MS})$



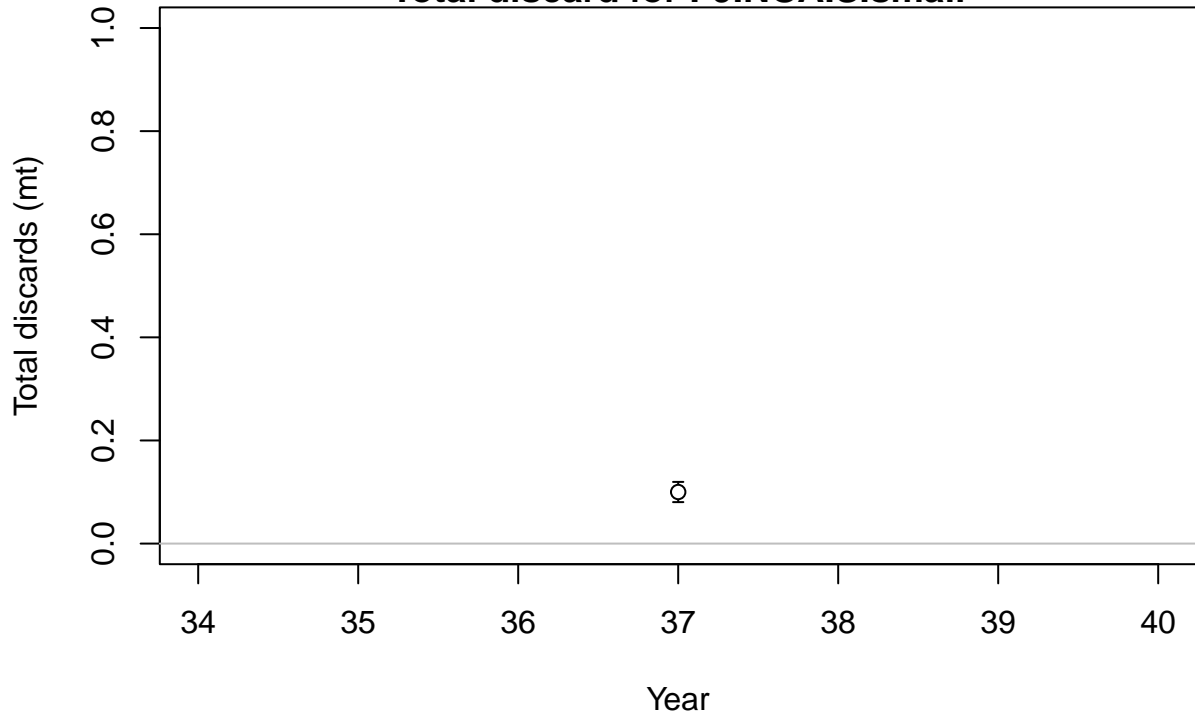
Total discard for F8.NOA.W.small



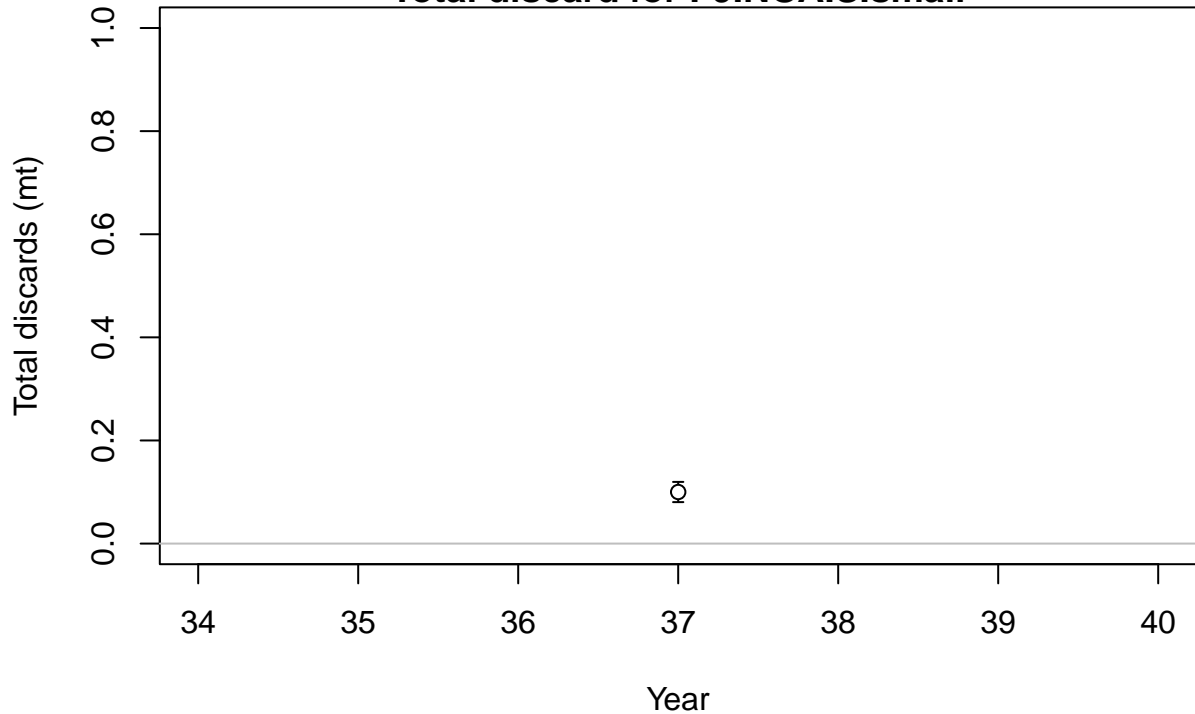
Total discard for F8.NOA.W.small



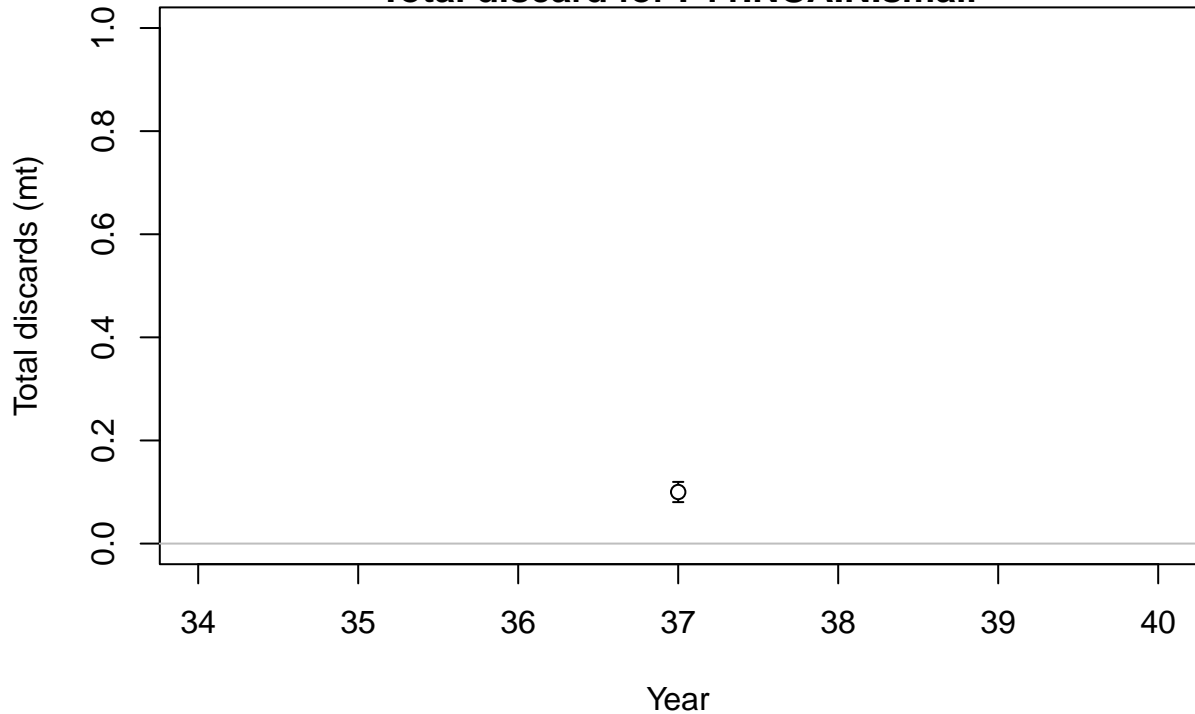
Total discard for F9.NOA.S.small



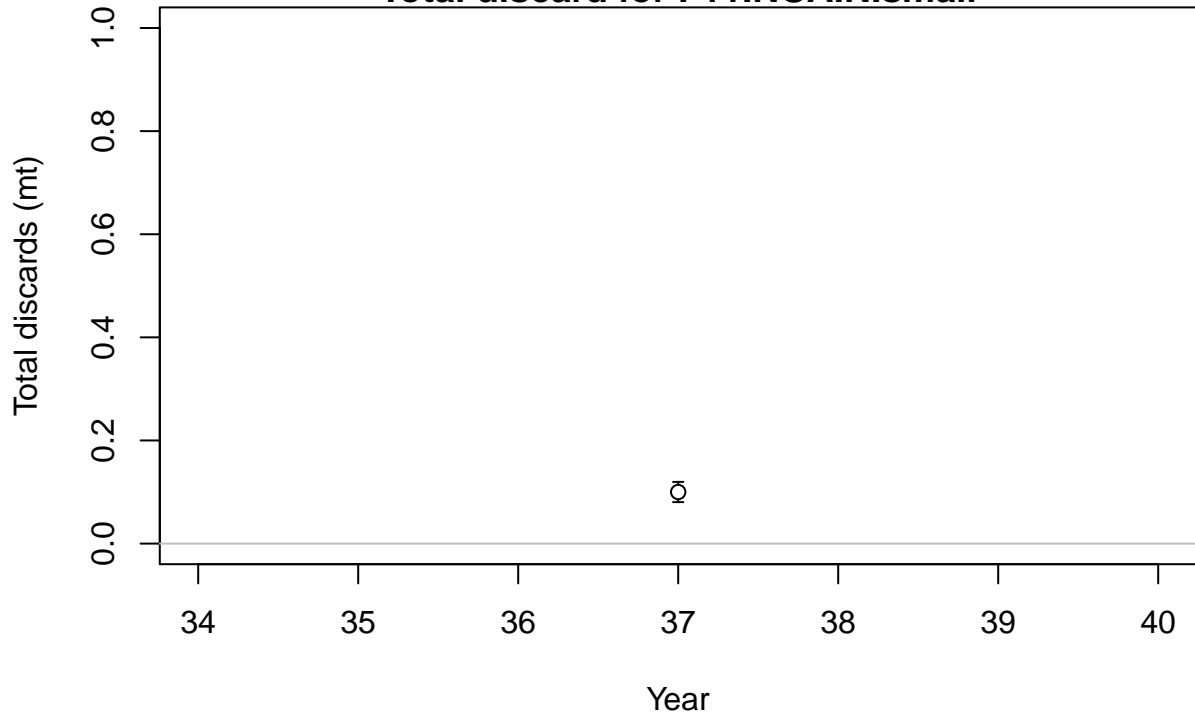
Total discard for F9.NOA.S.small



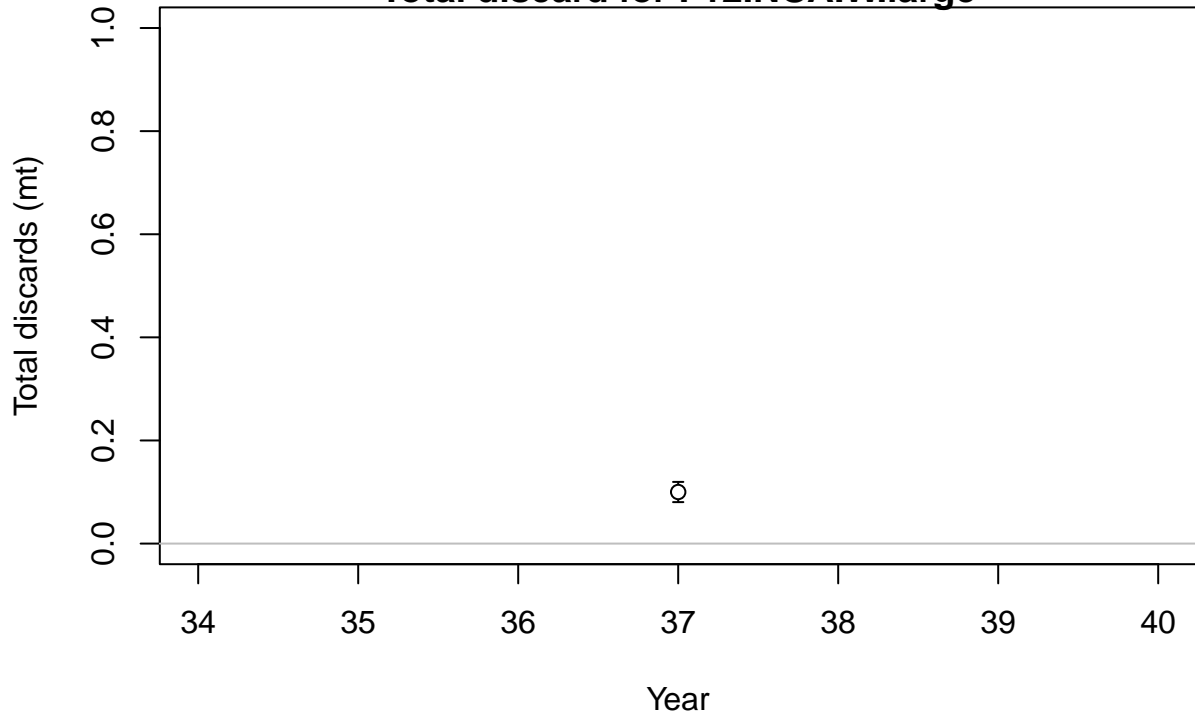
Total discard for F11.NOA.N.small



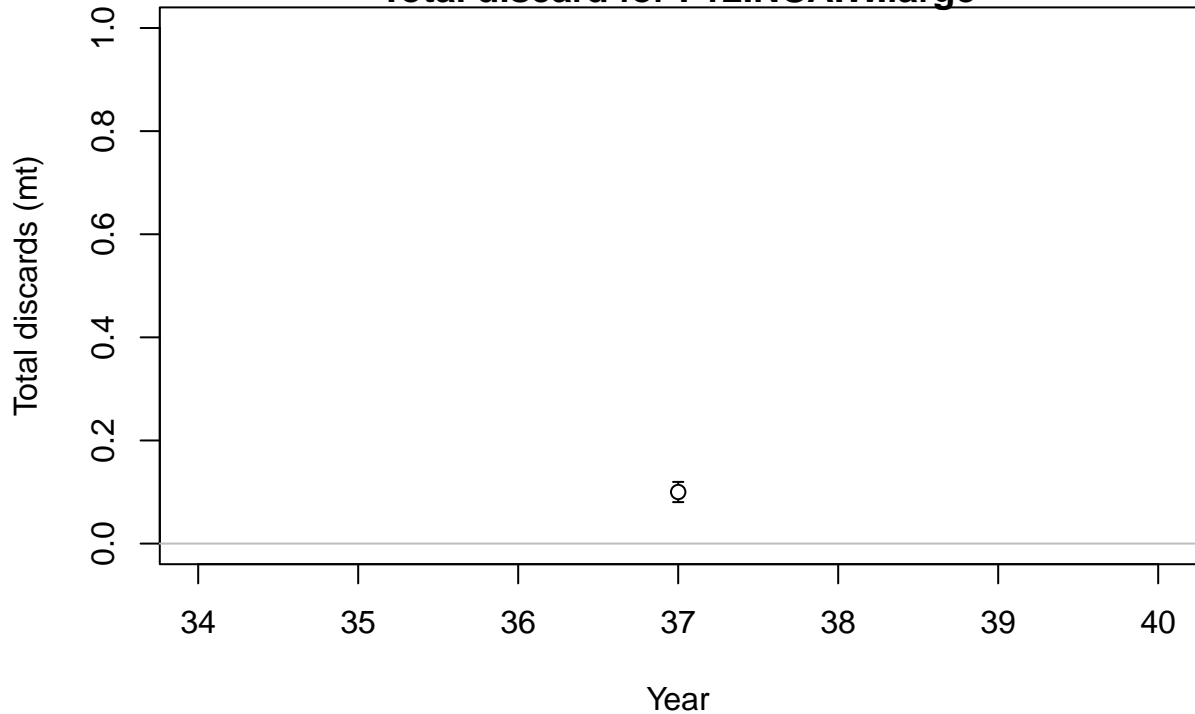
Total discard for F11.NOA.N.small



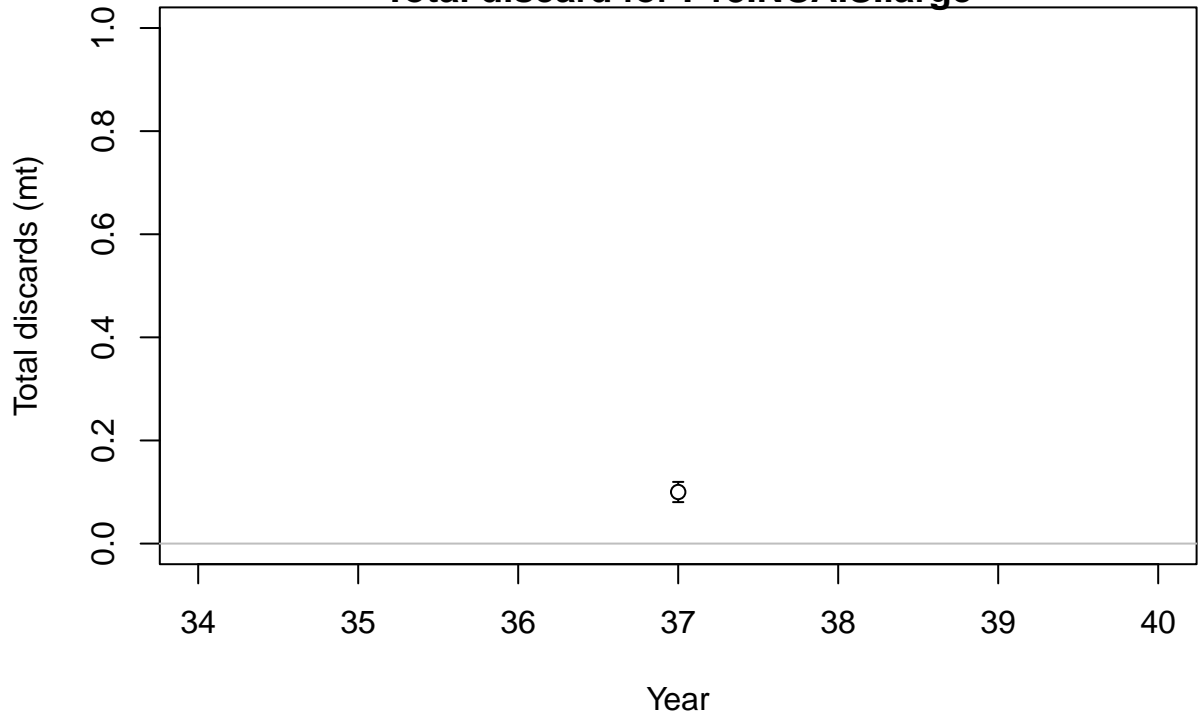
Total discard for F12.NOA.W.large



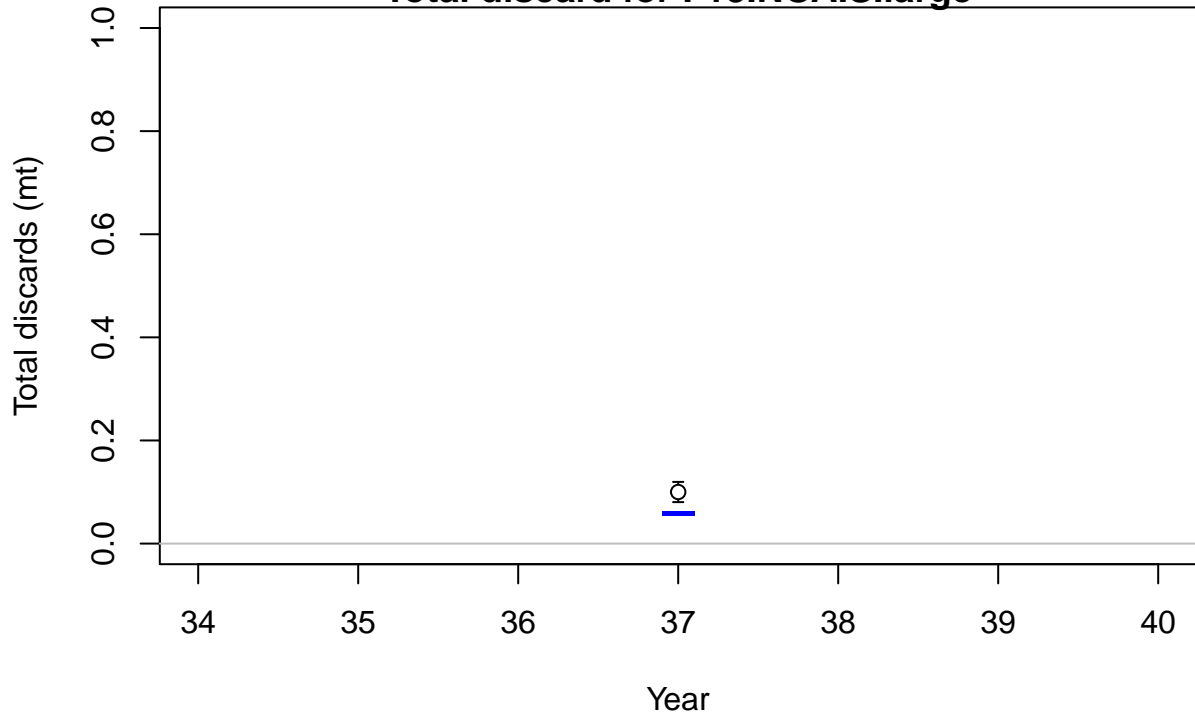
Total discard for F12.NOA.W.large



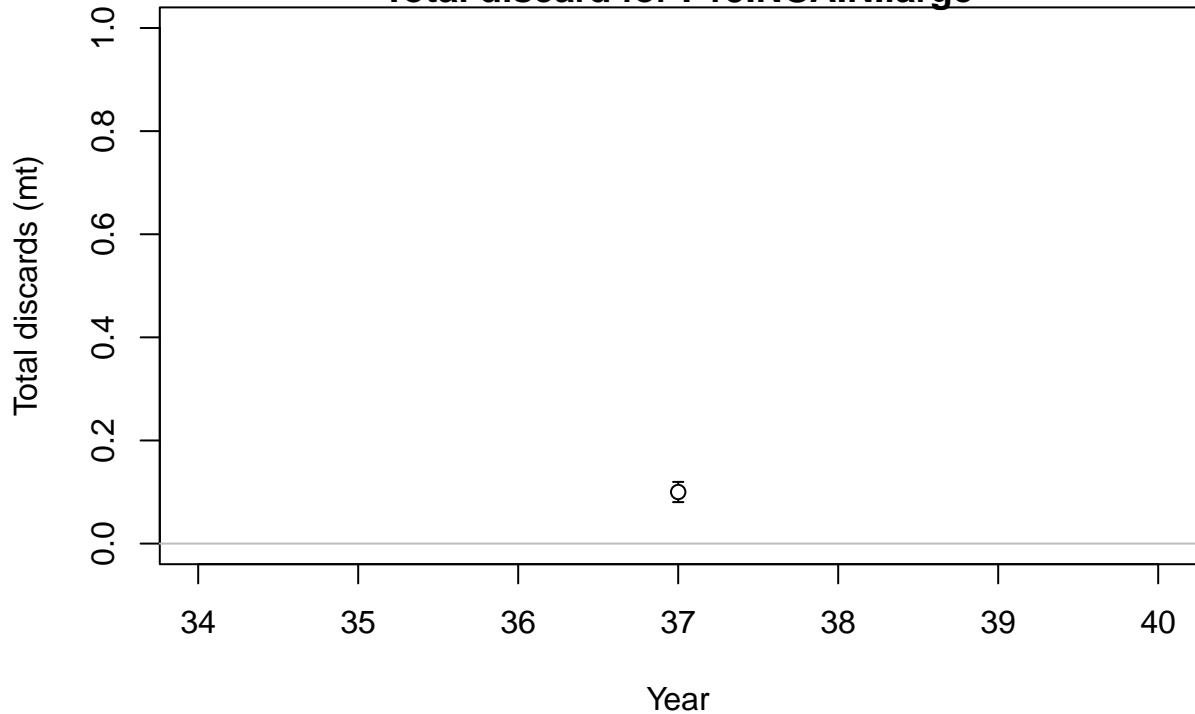
Total discard for F13.NOA.S.large



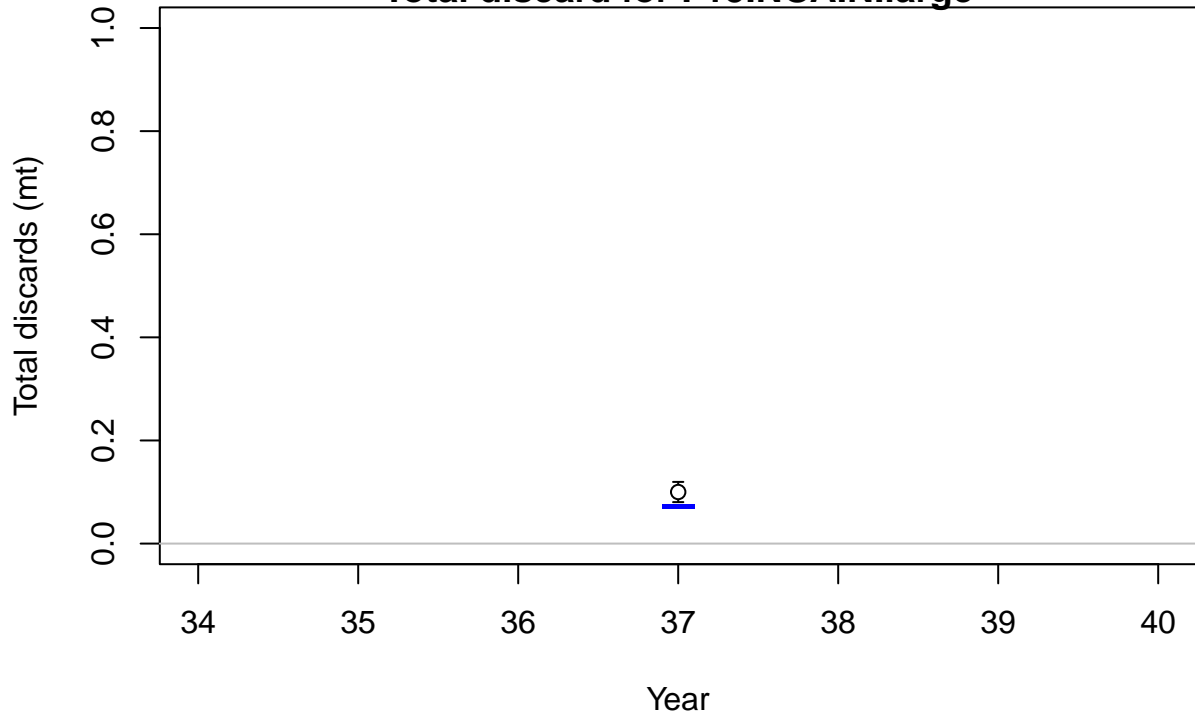
Total discard for F13.NOA.S.large

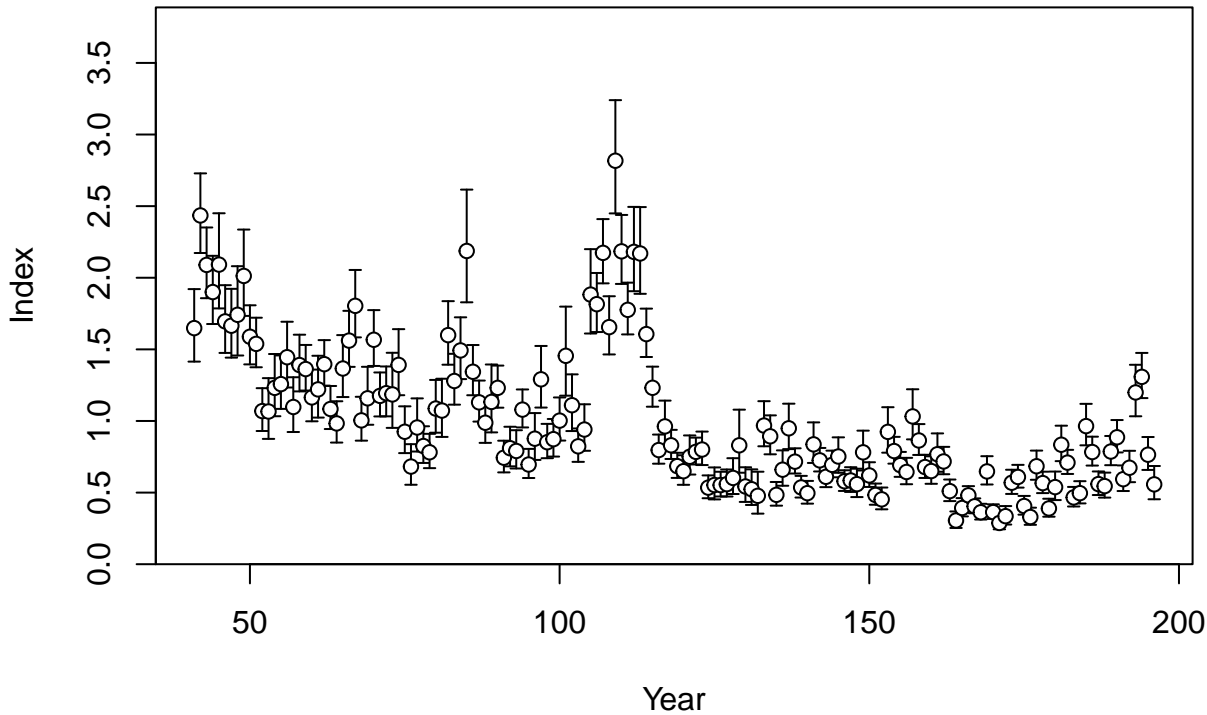


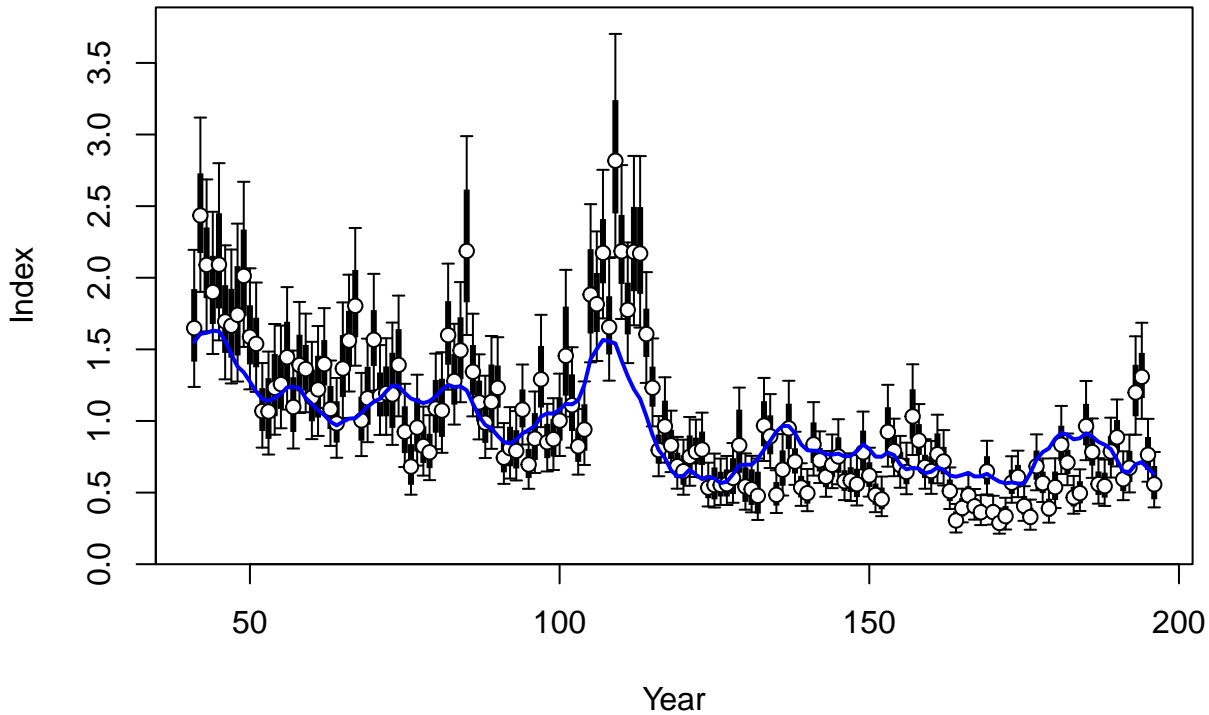
Total discard for F15.NOA.N.large

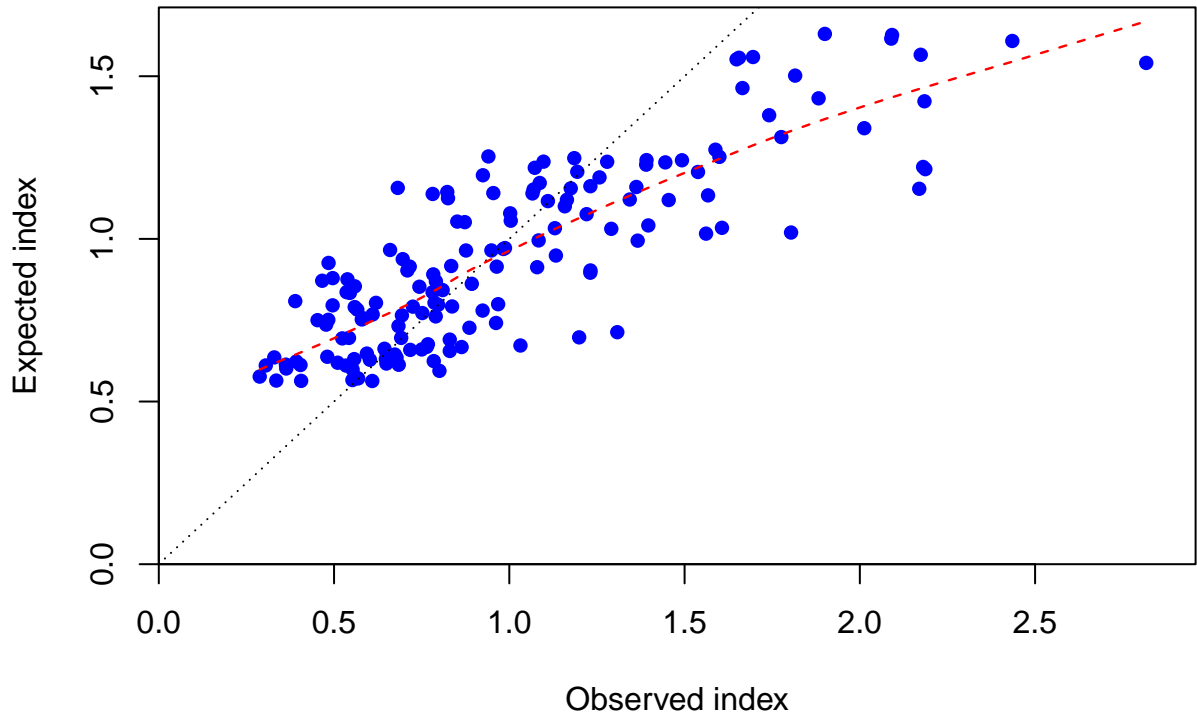


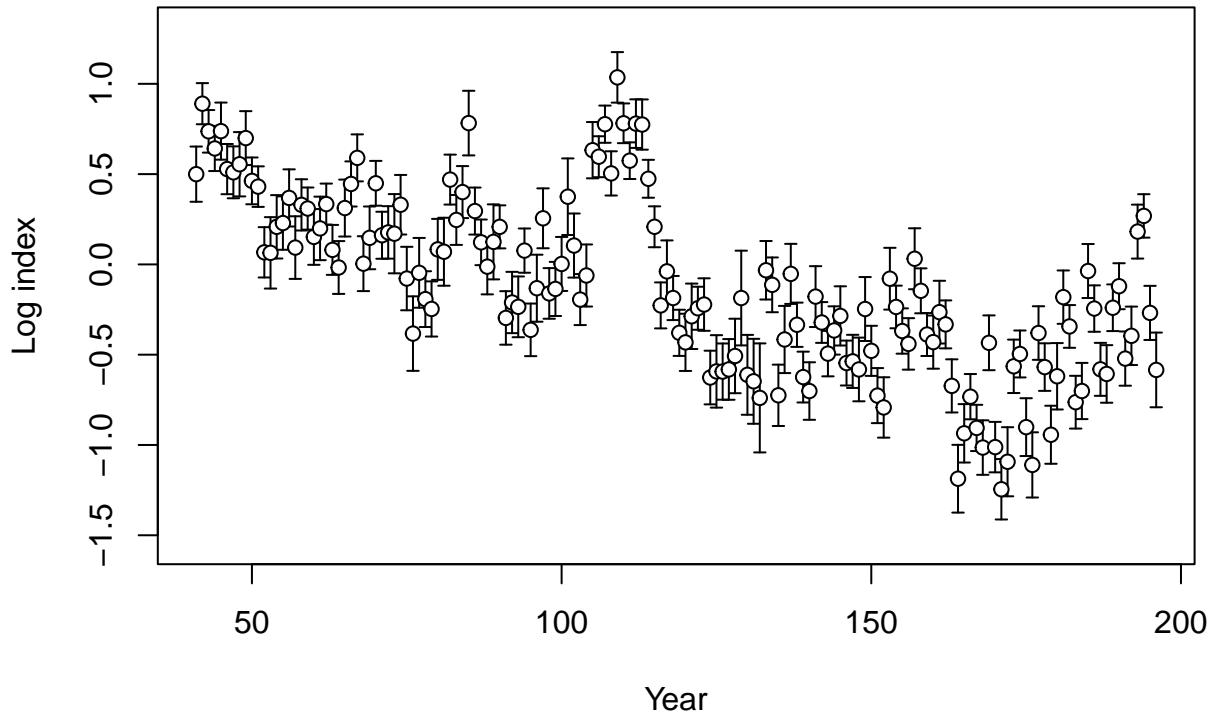
Total discard for F15.NOA.N.large

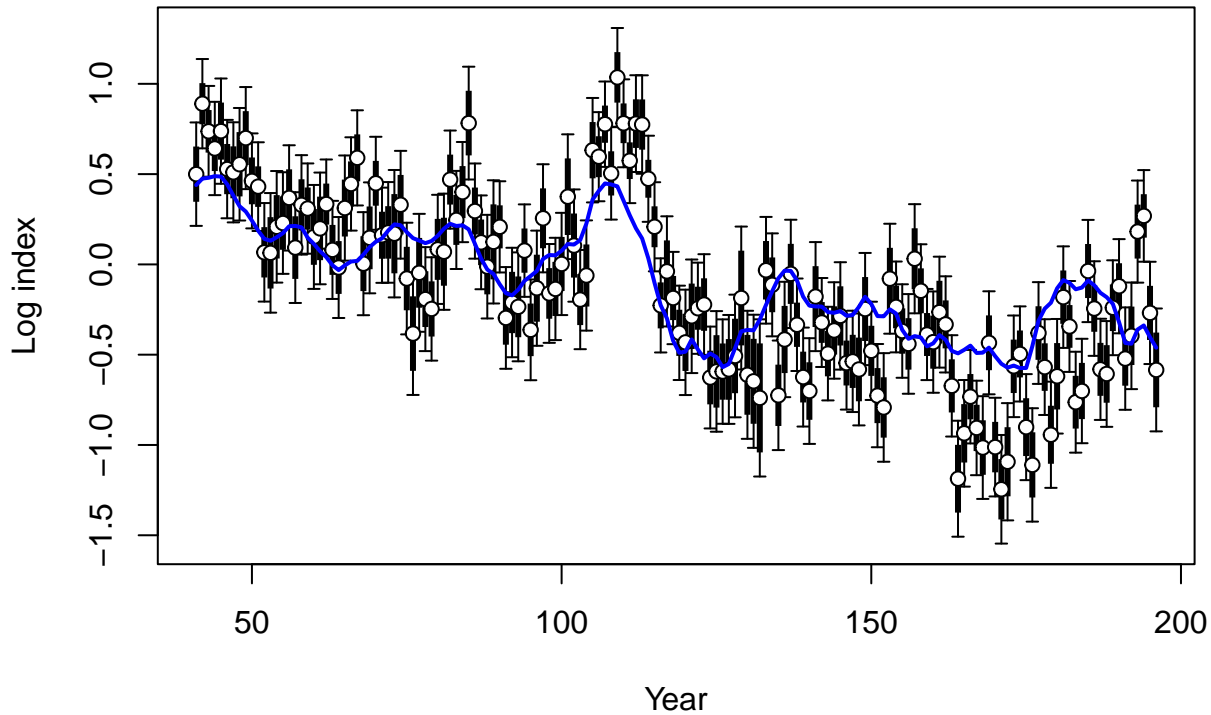


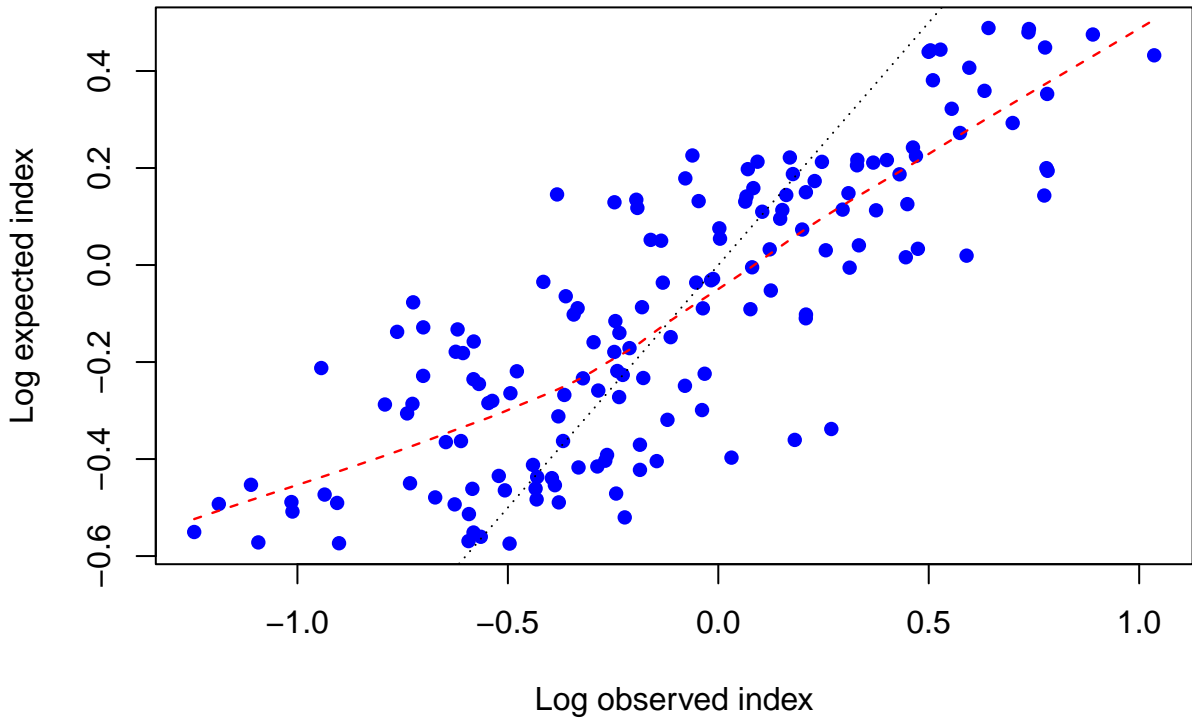


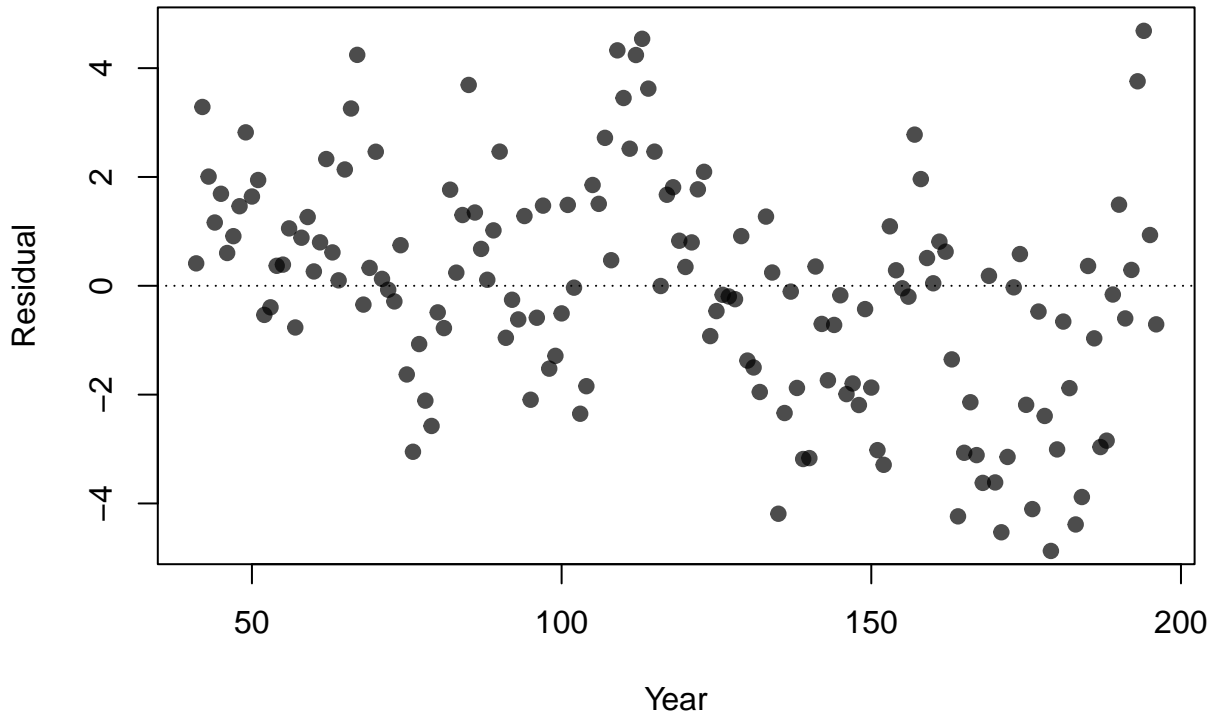


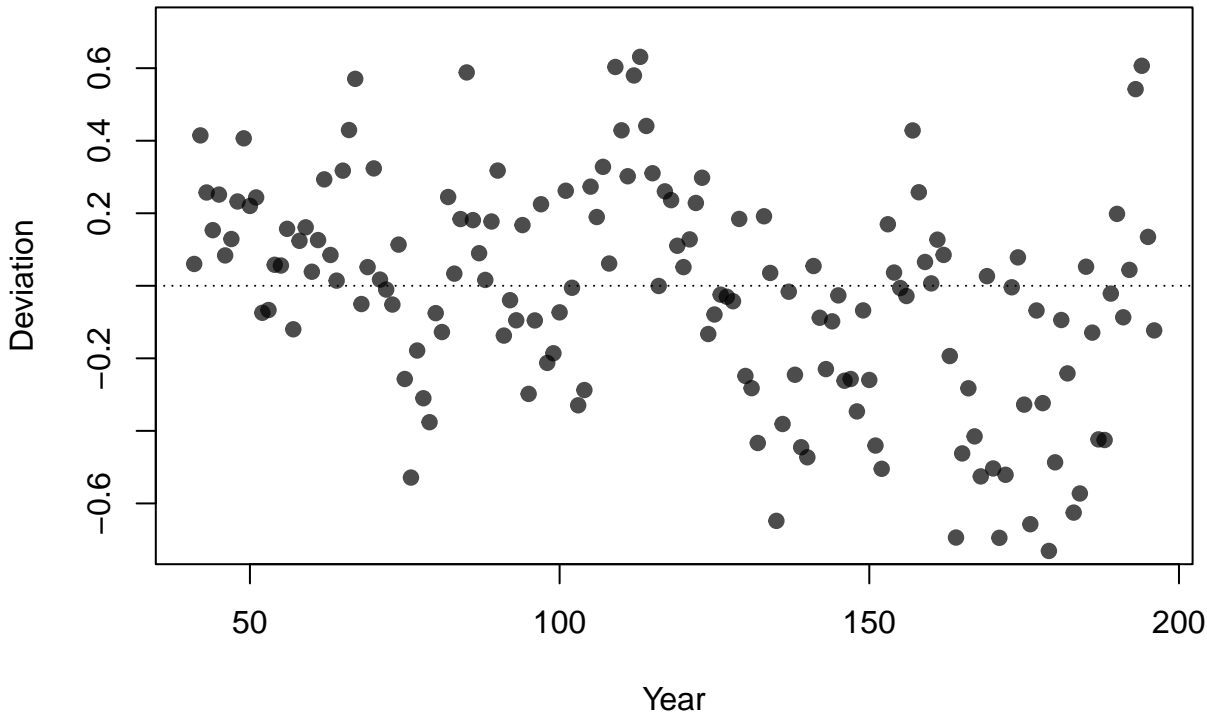




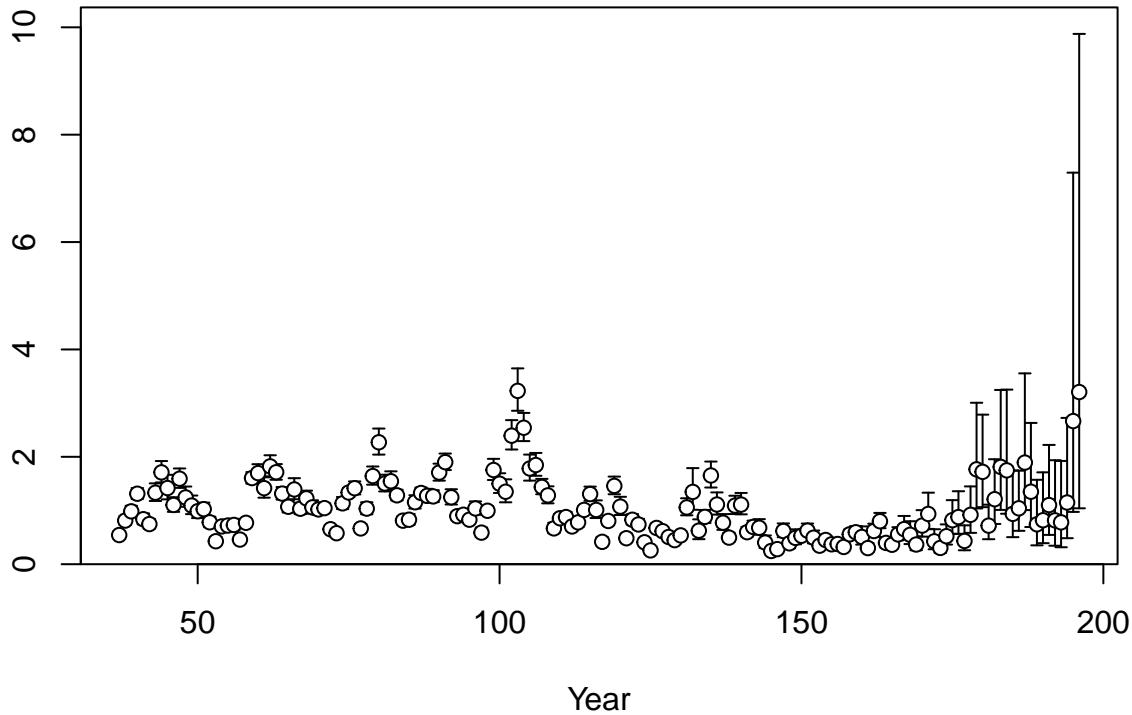




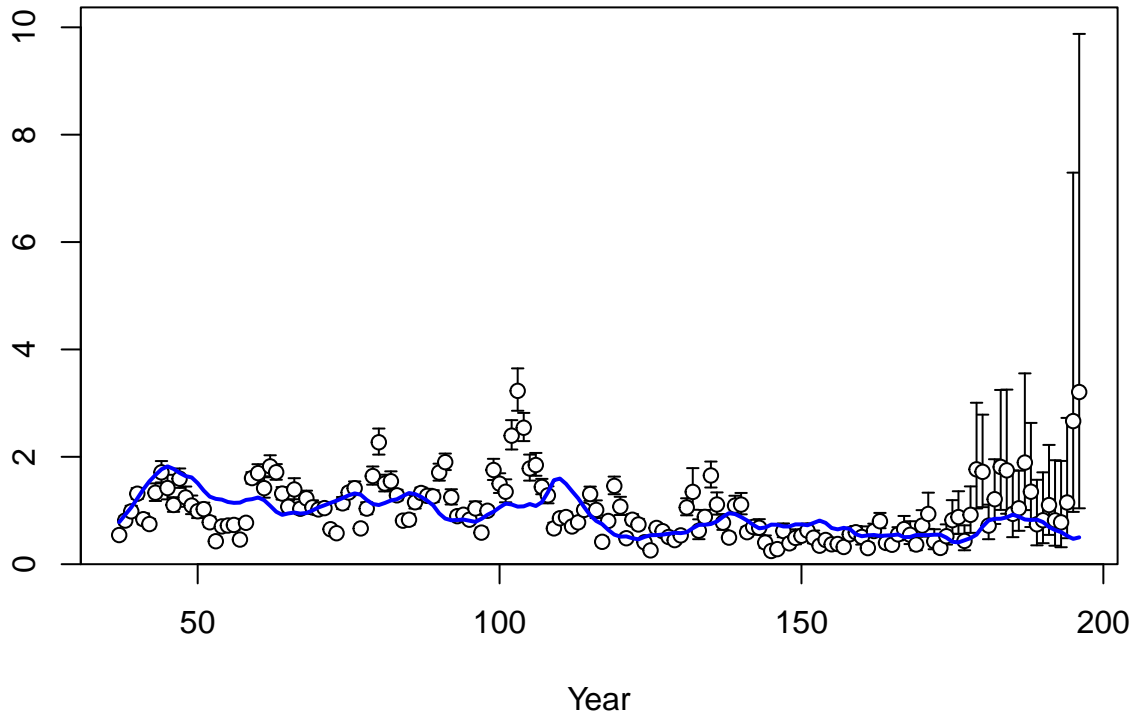


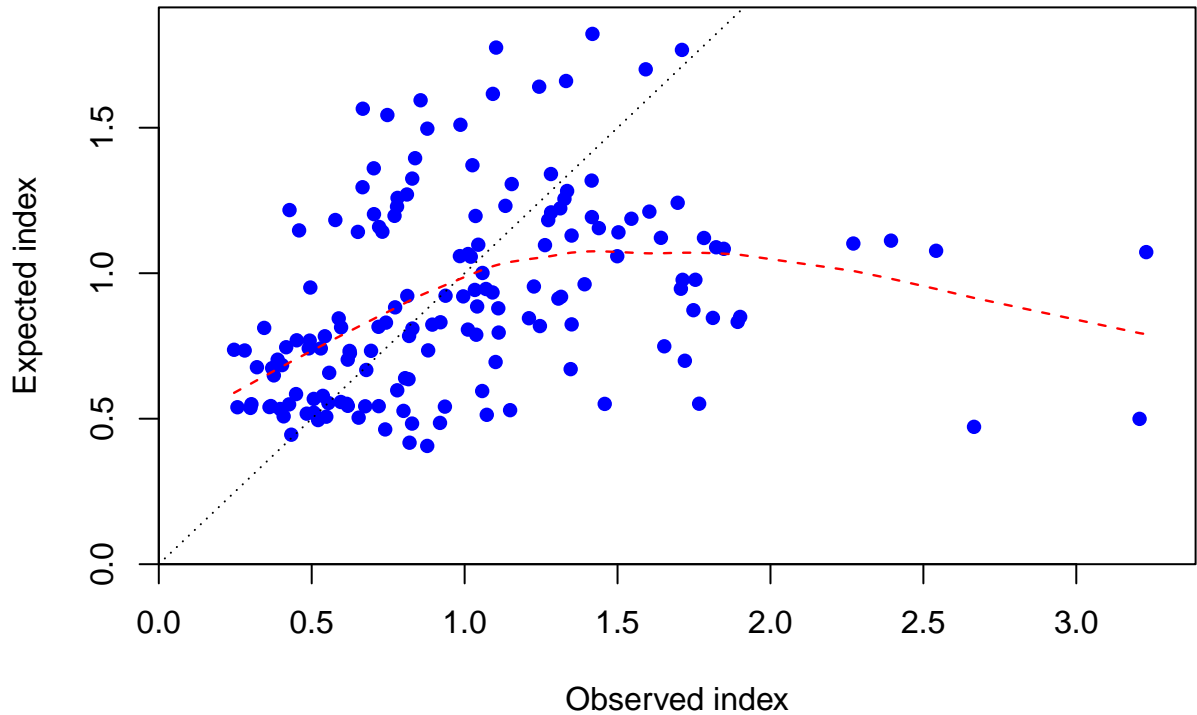


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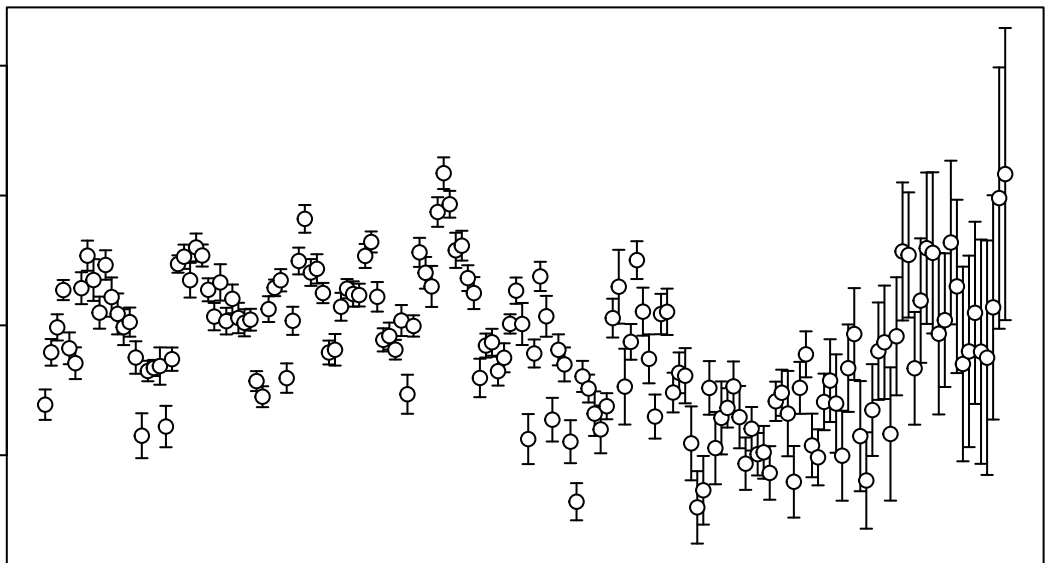
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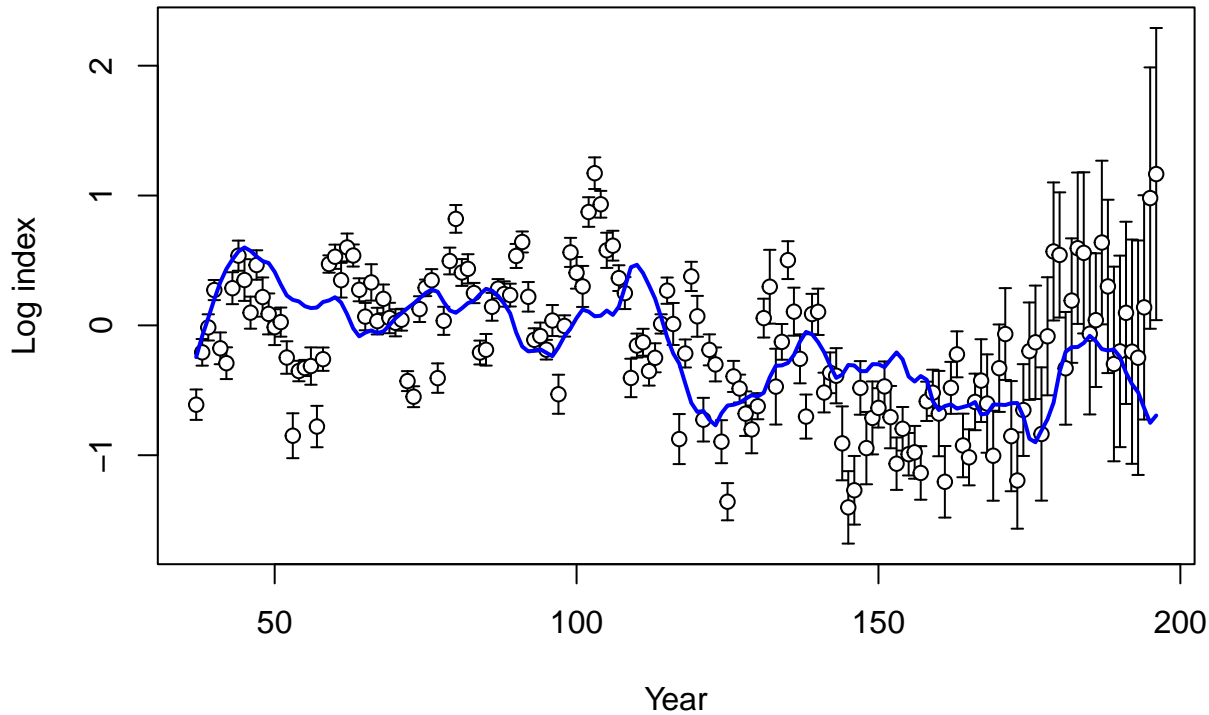
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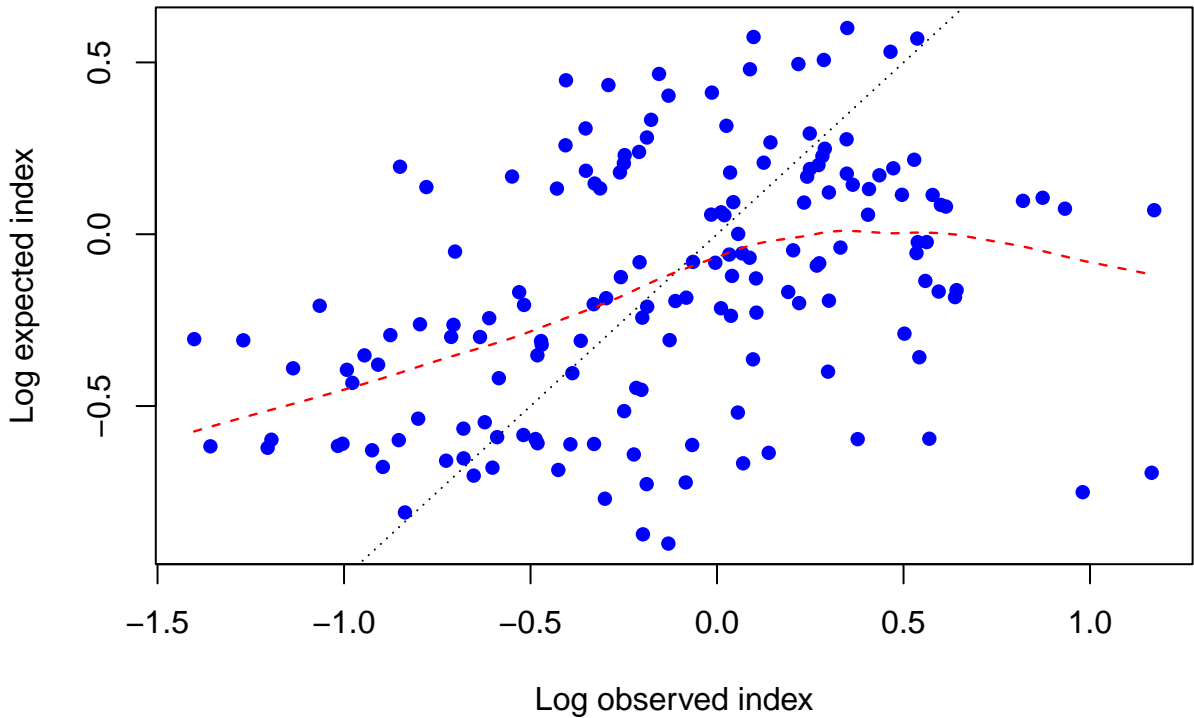
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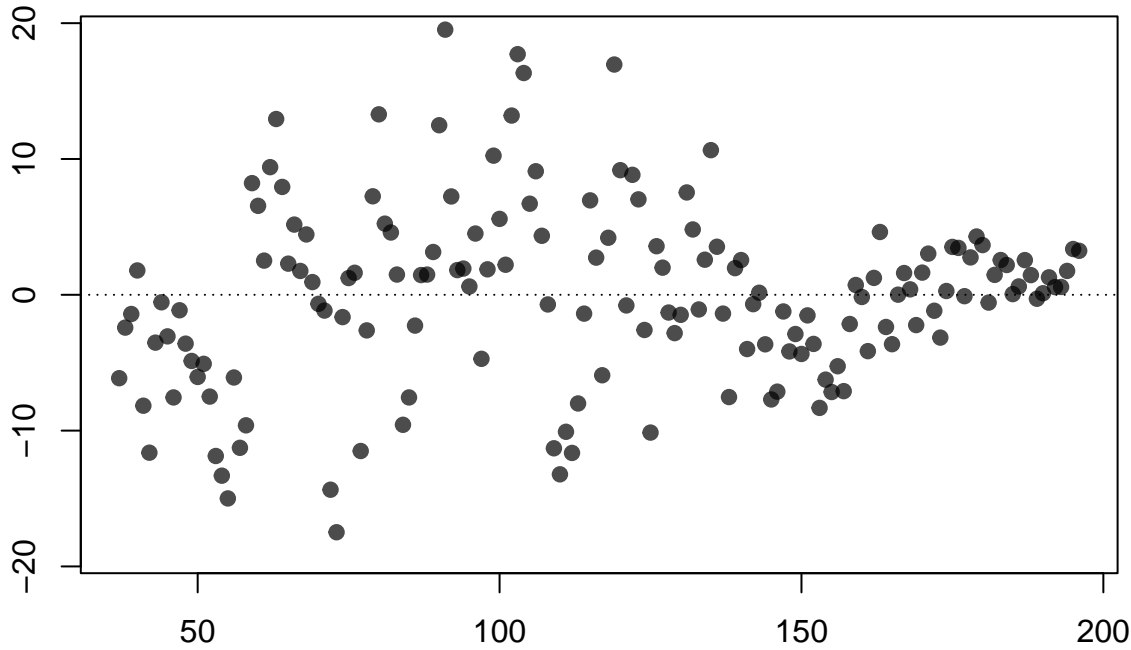
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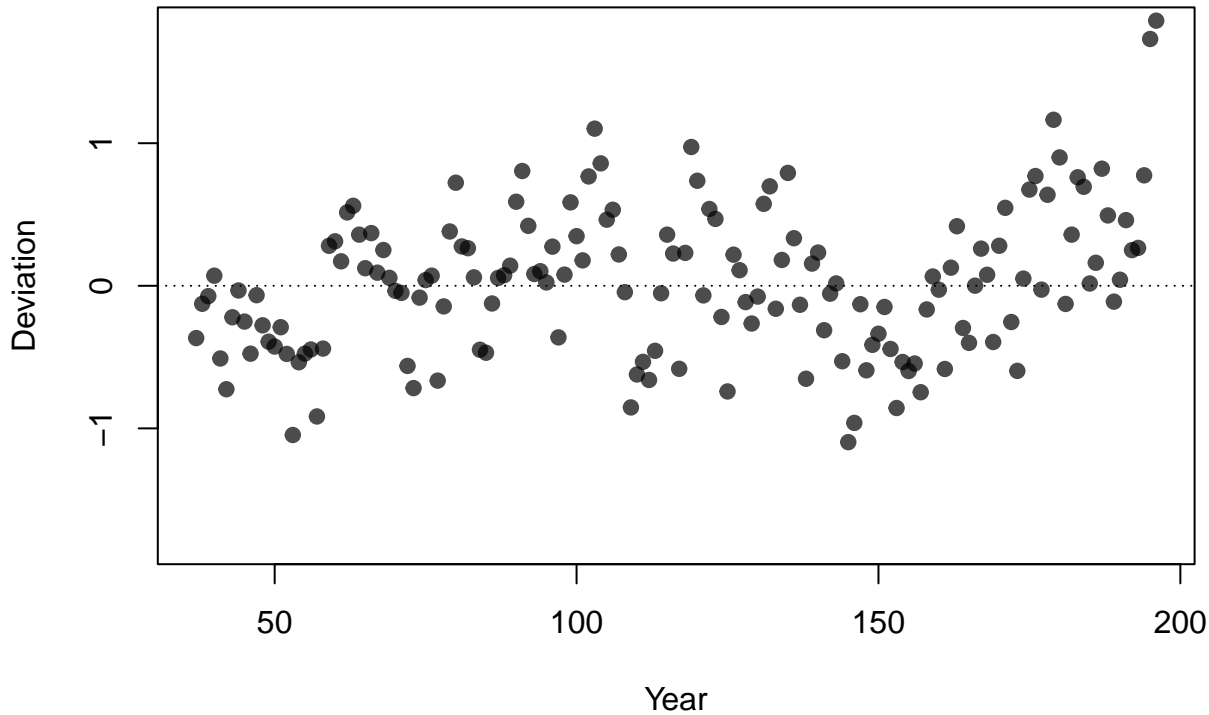




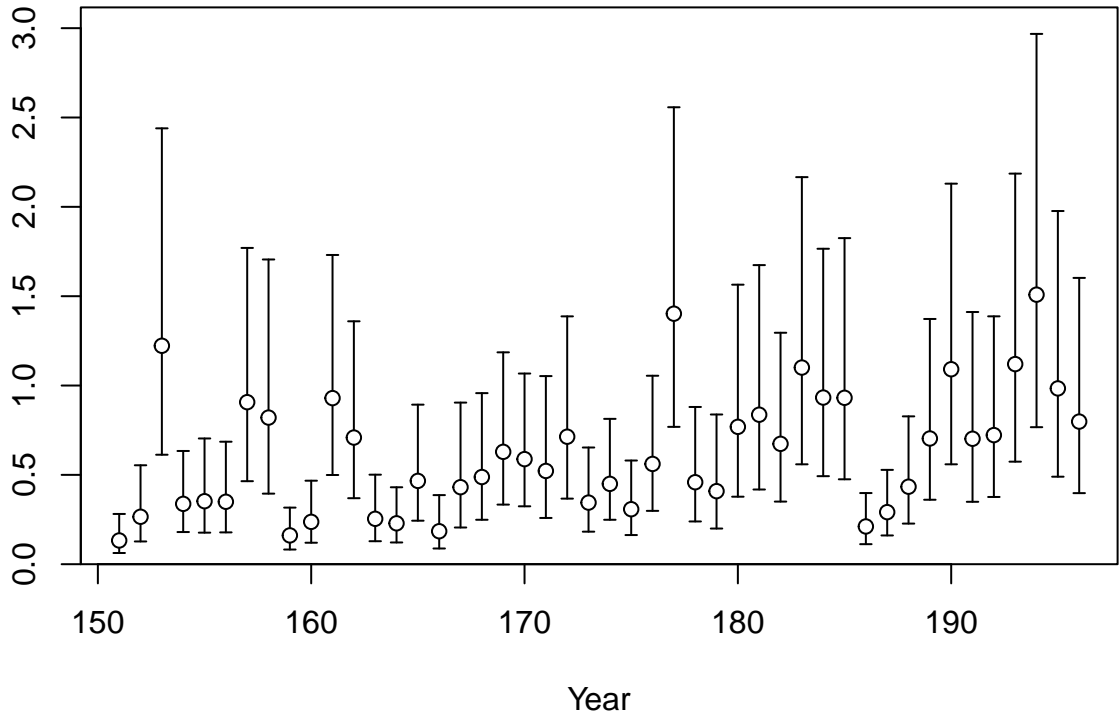
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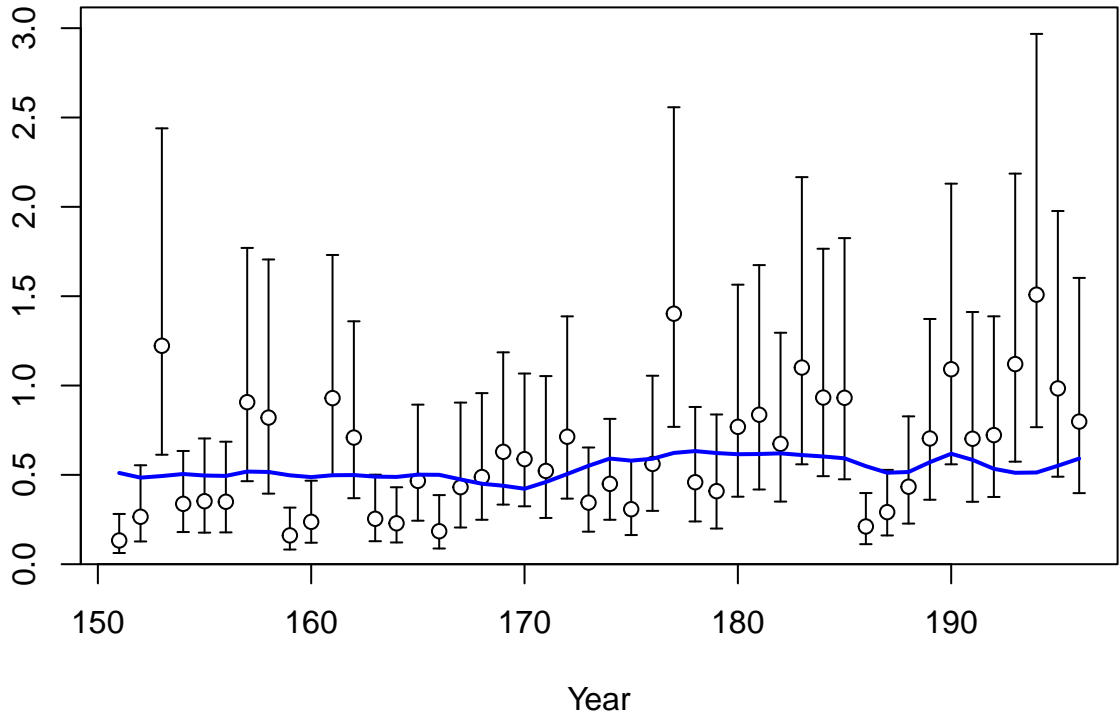
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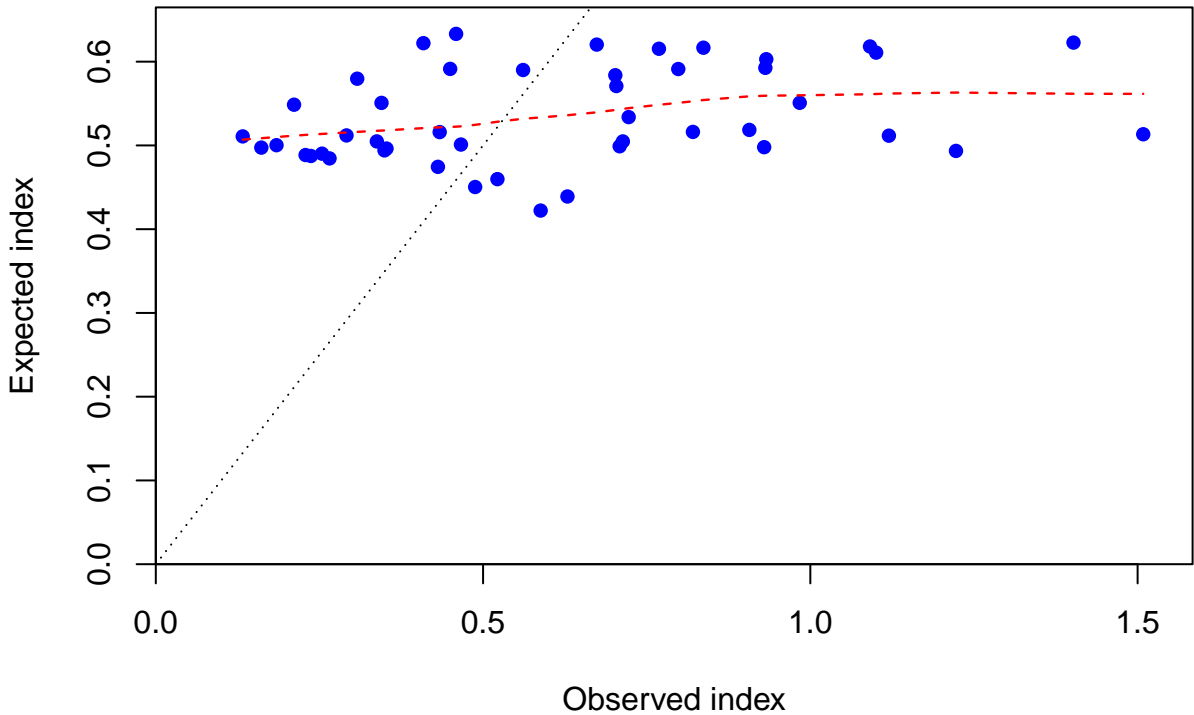


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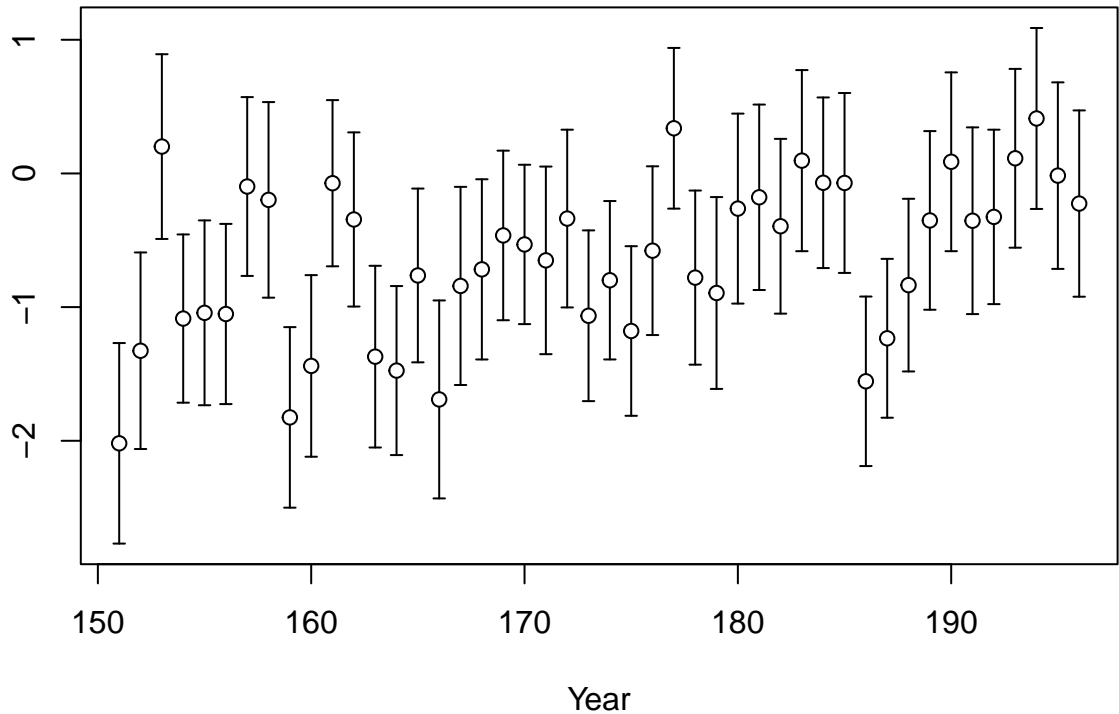


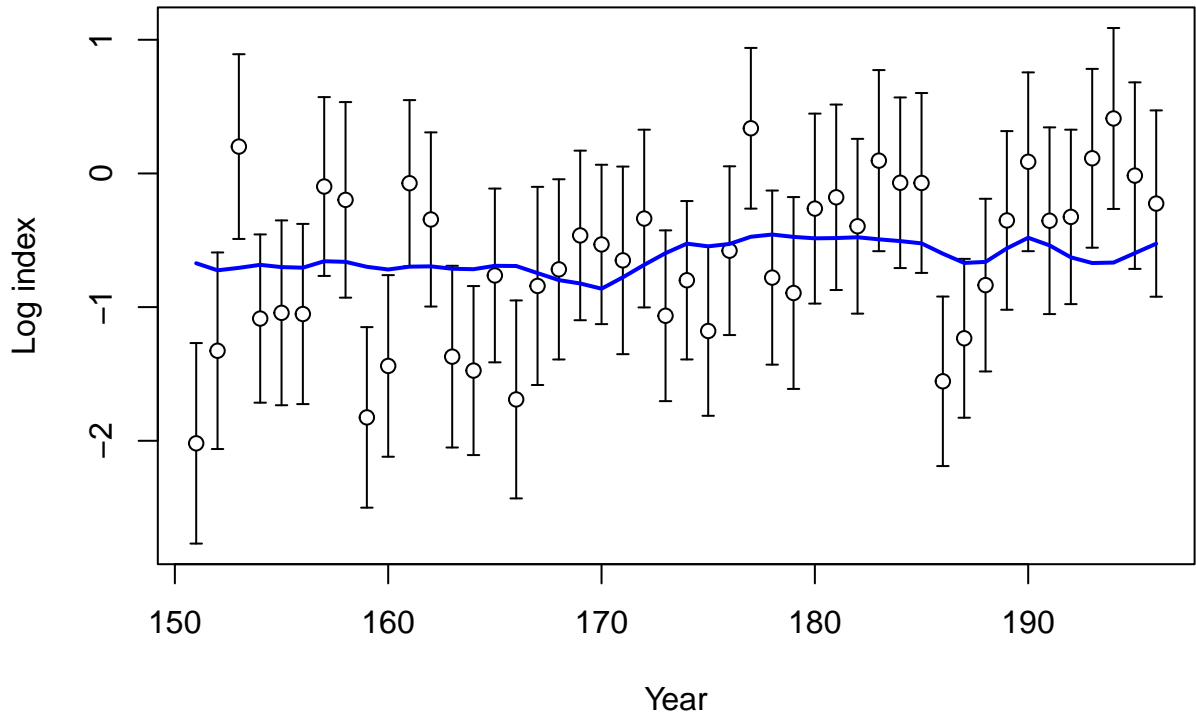
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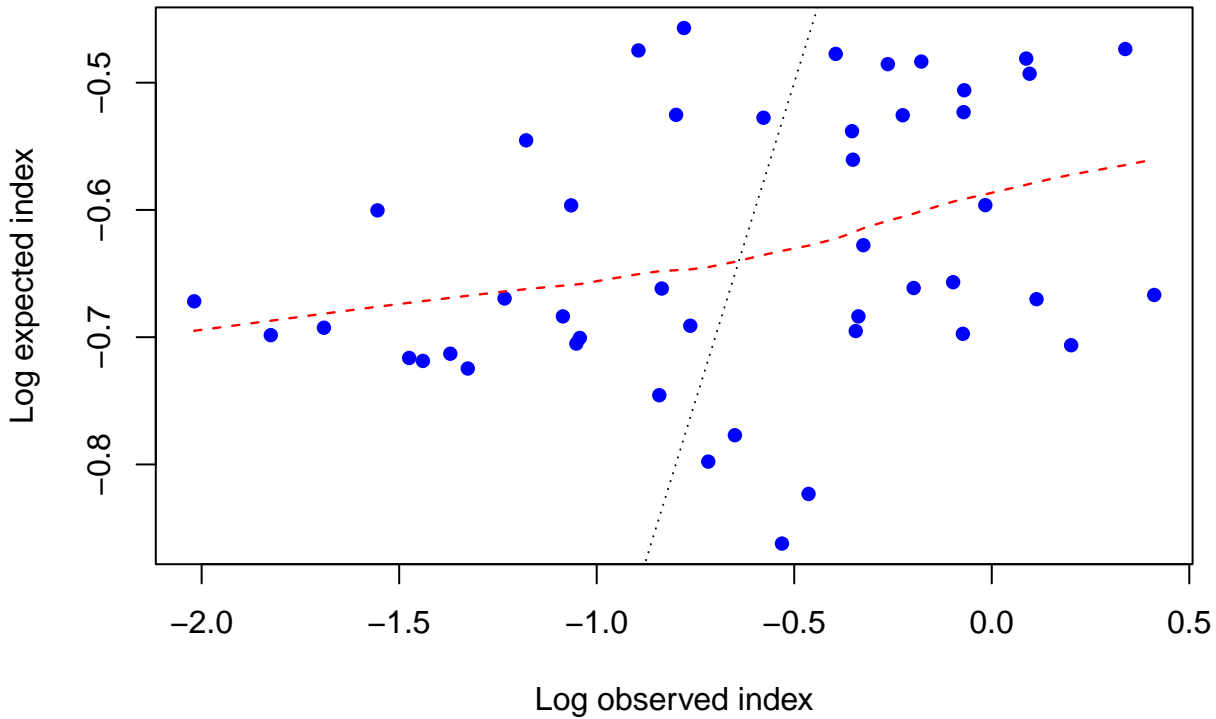


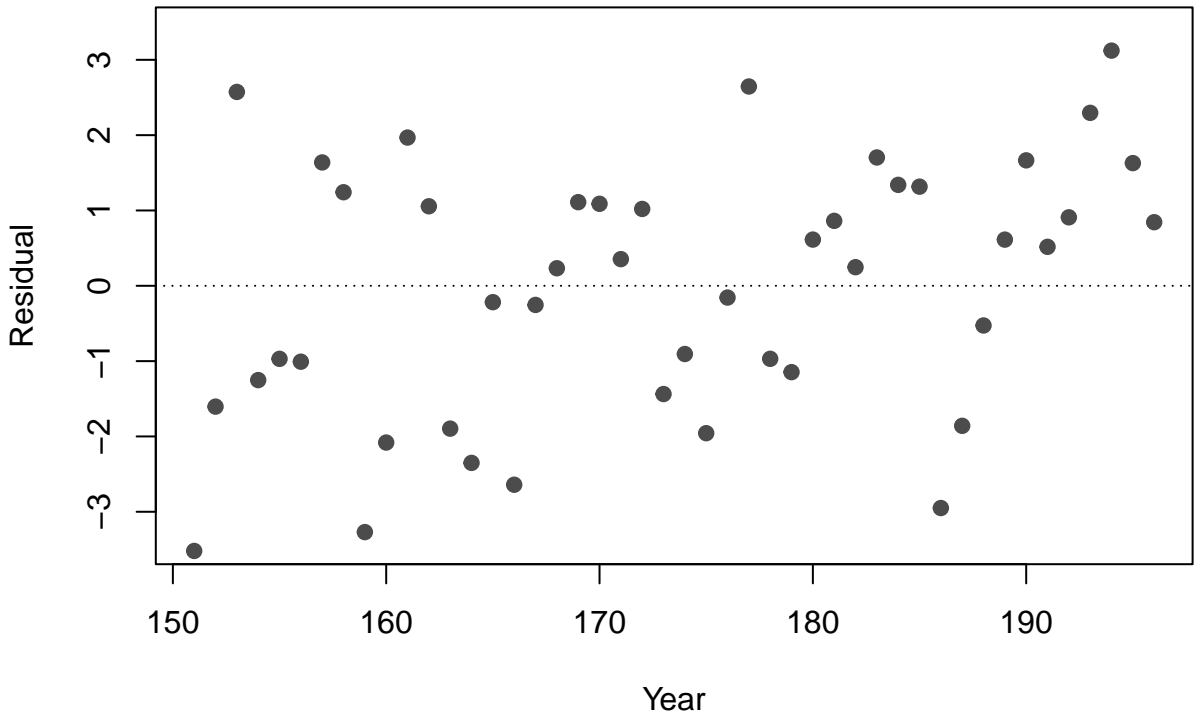


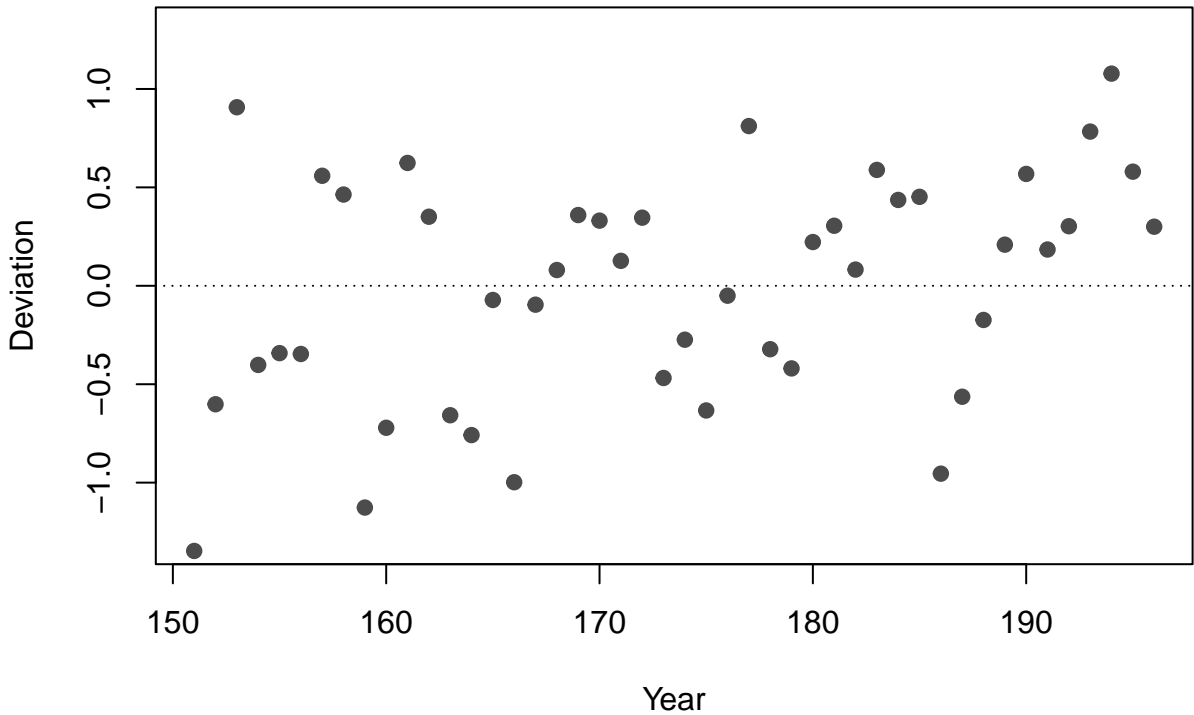
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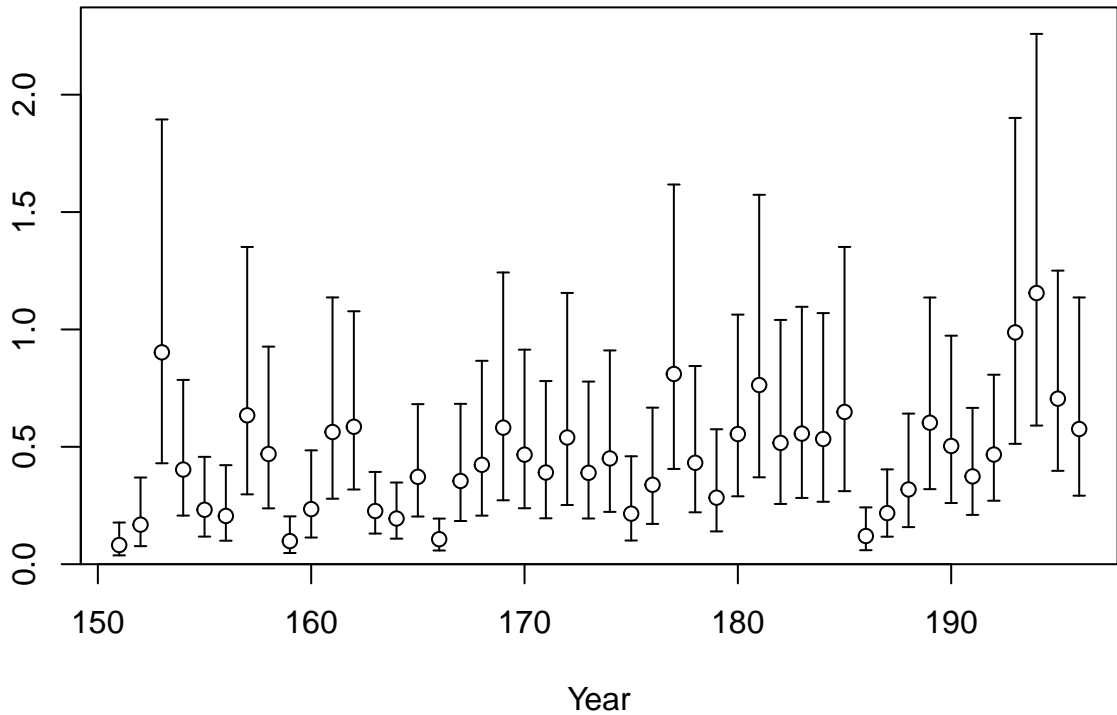




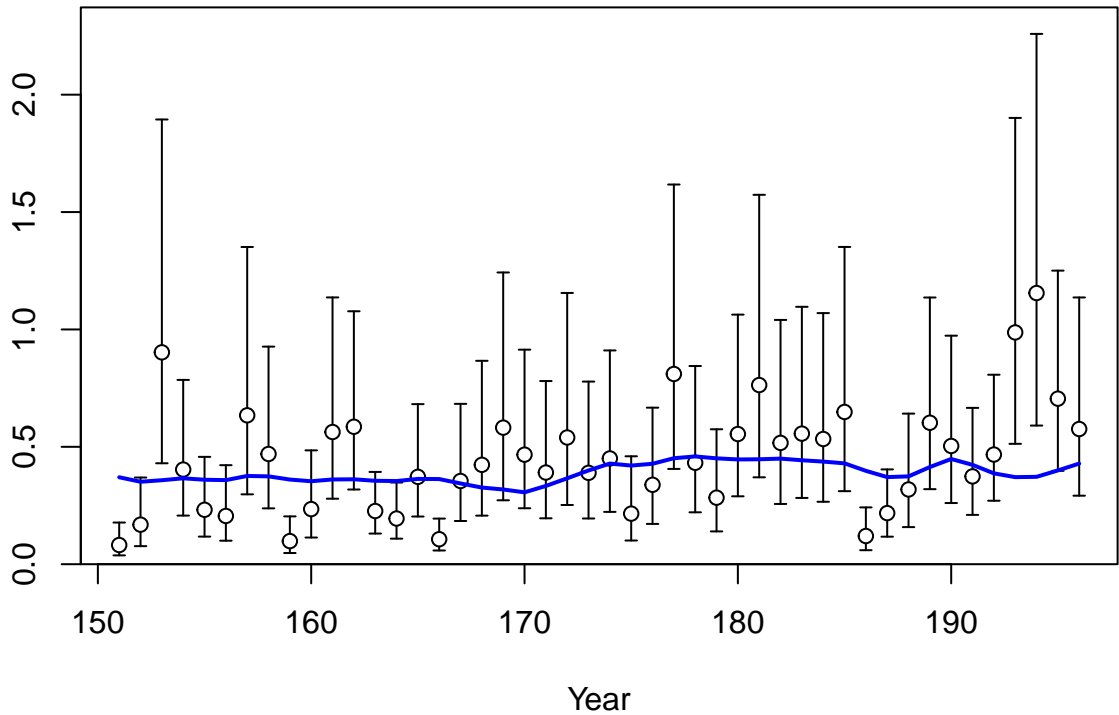


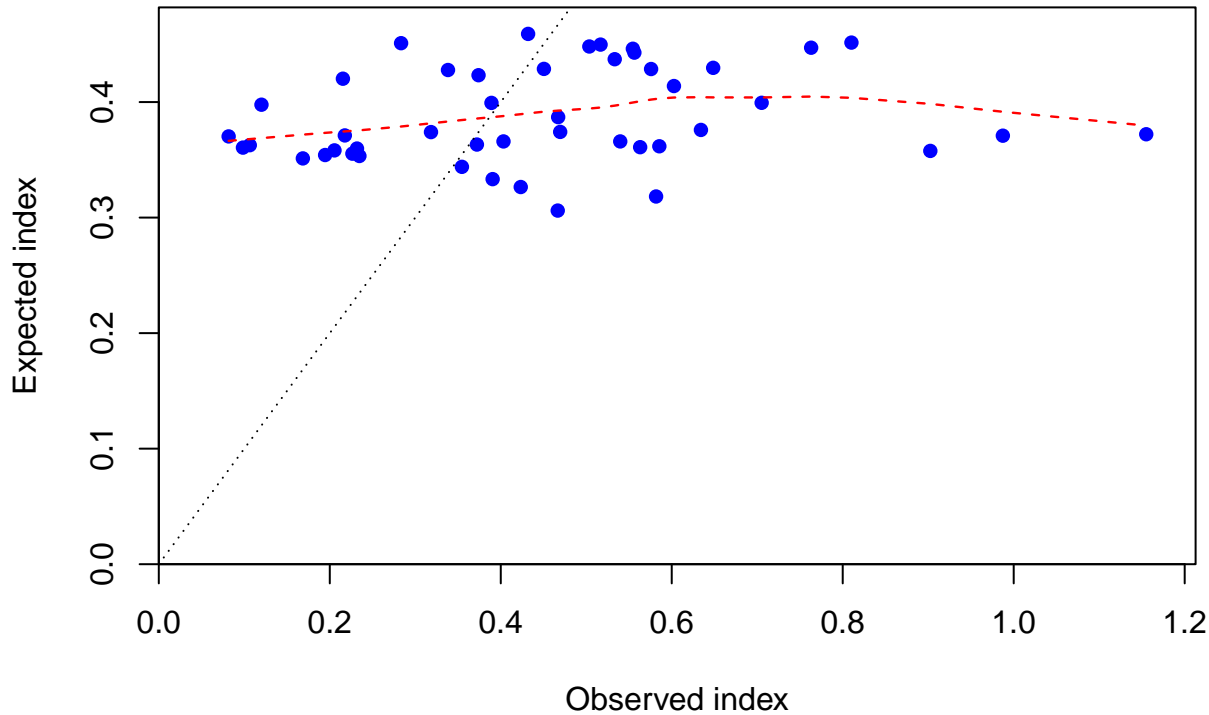


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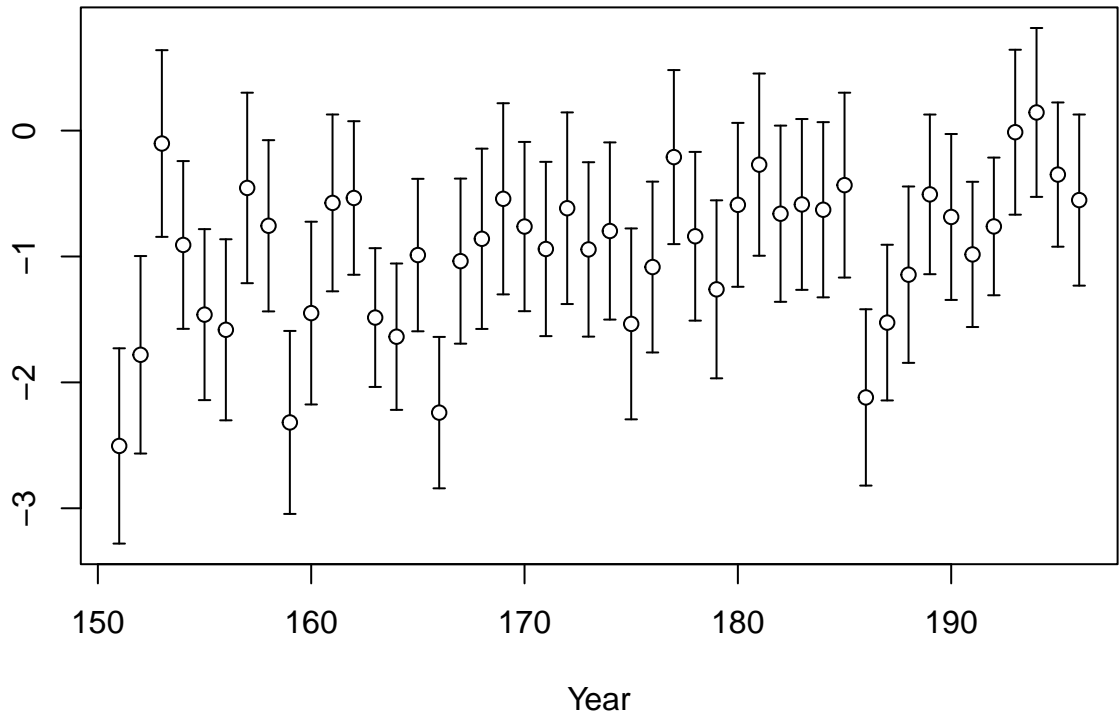


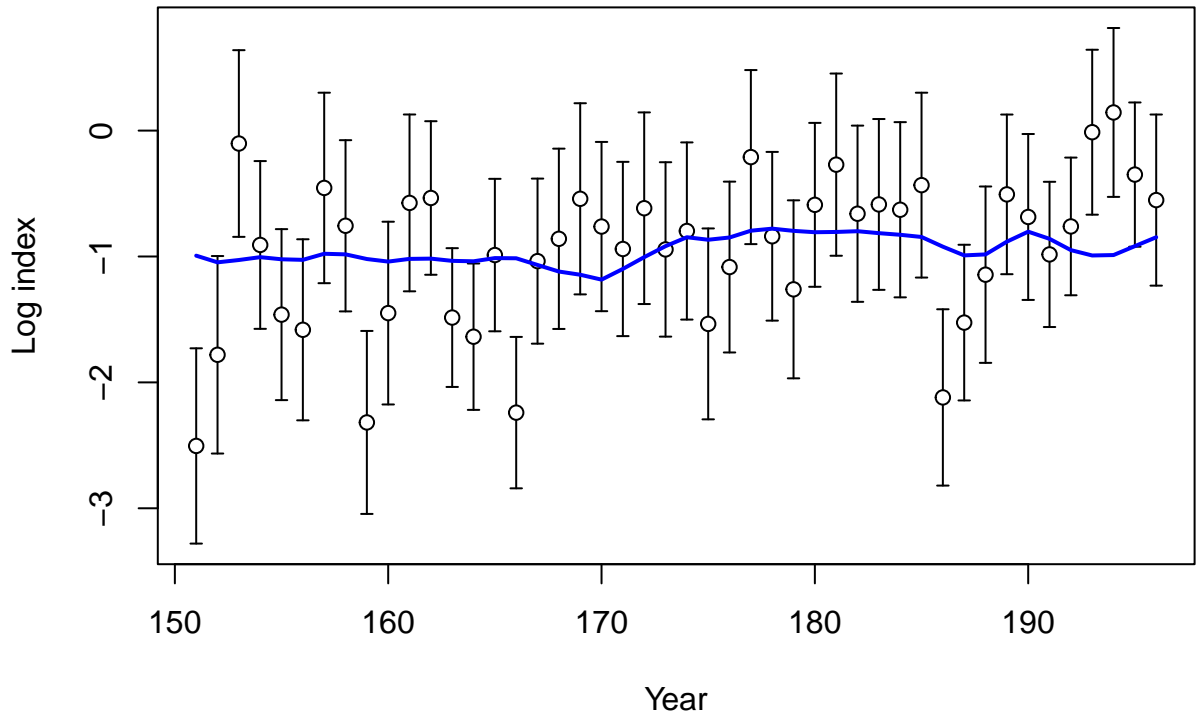
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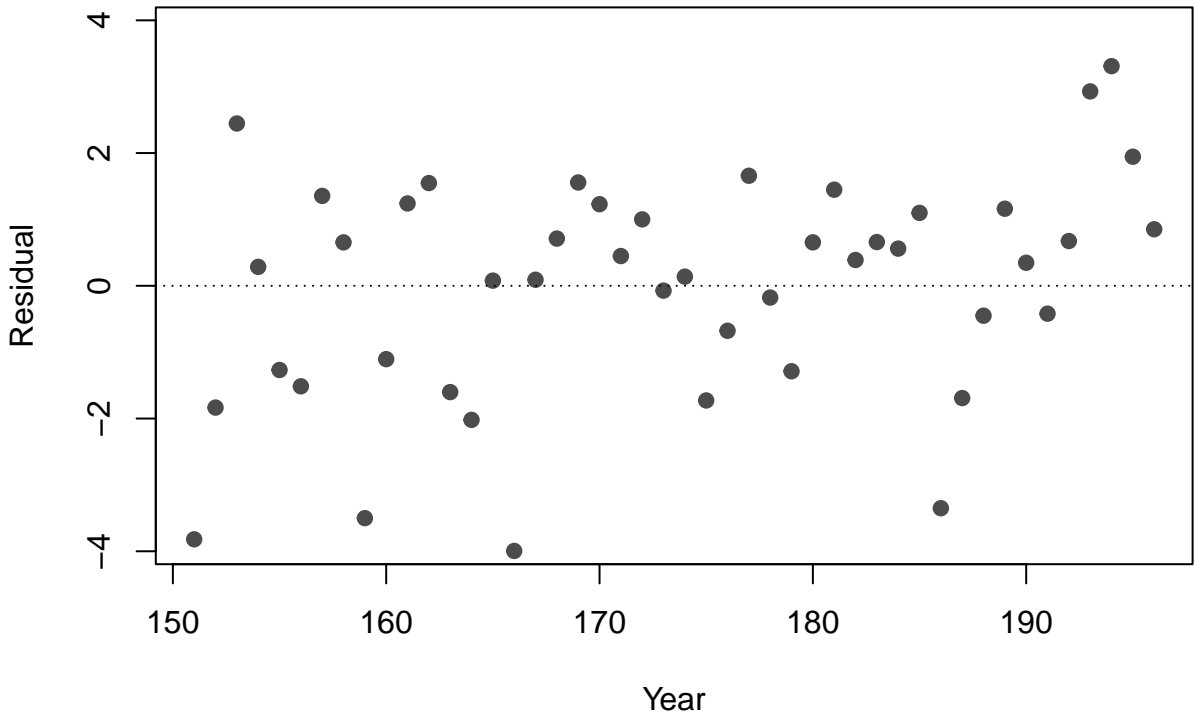




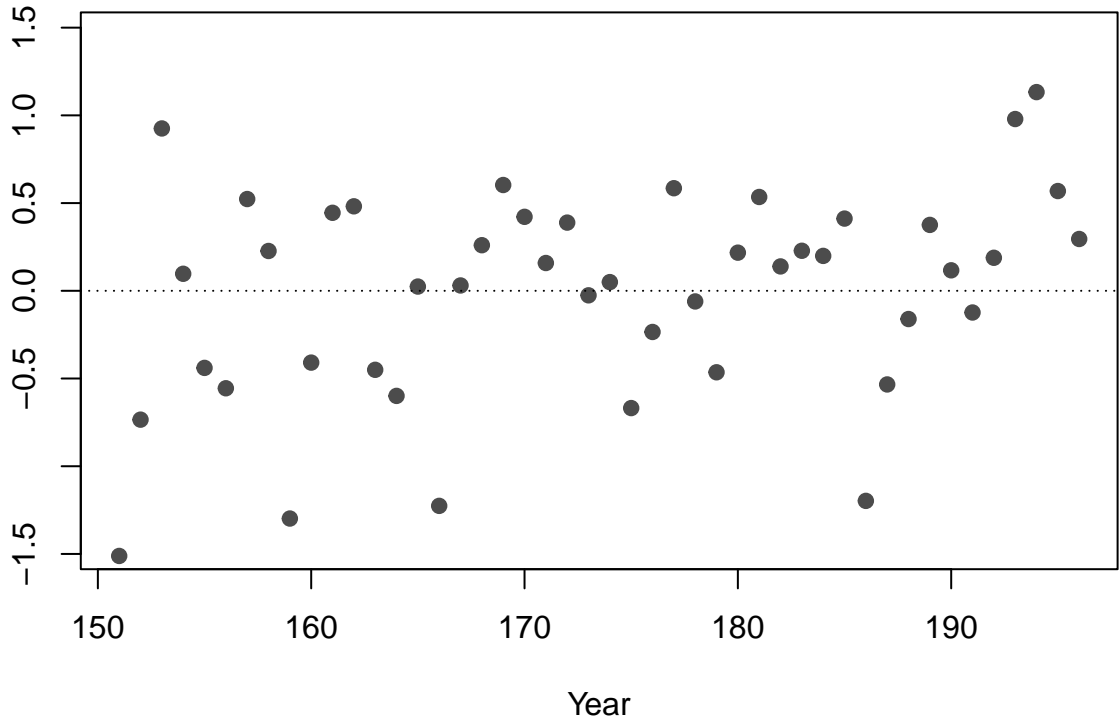
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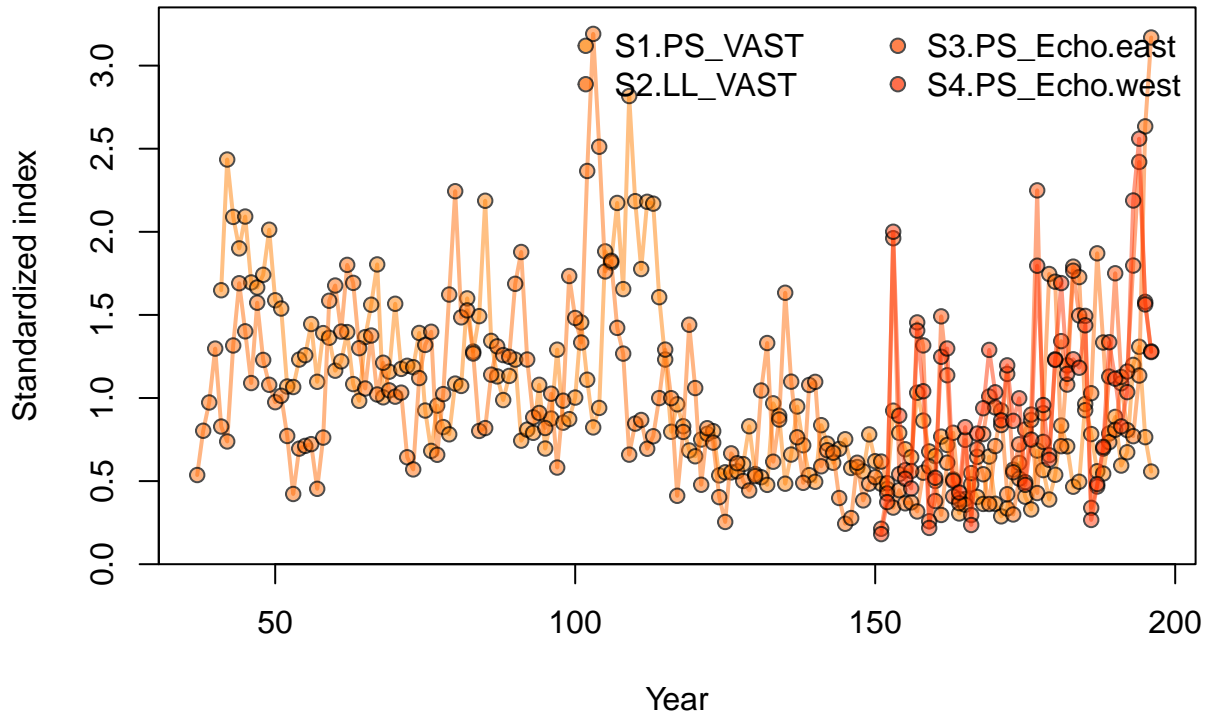




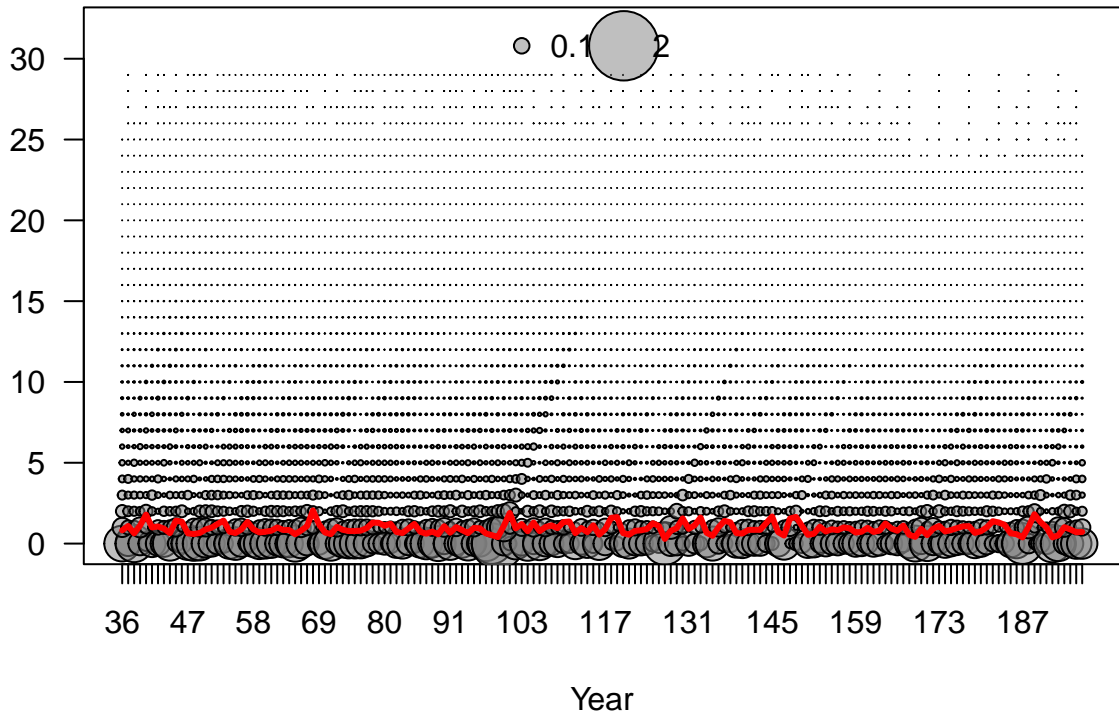


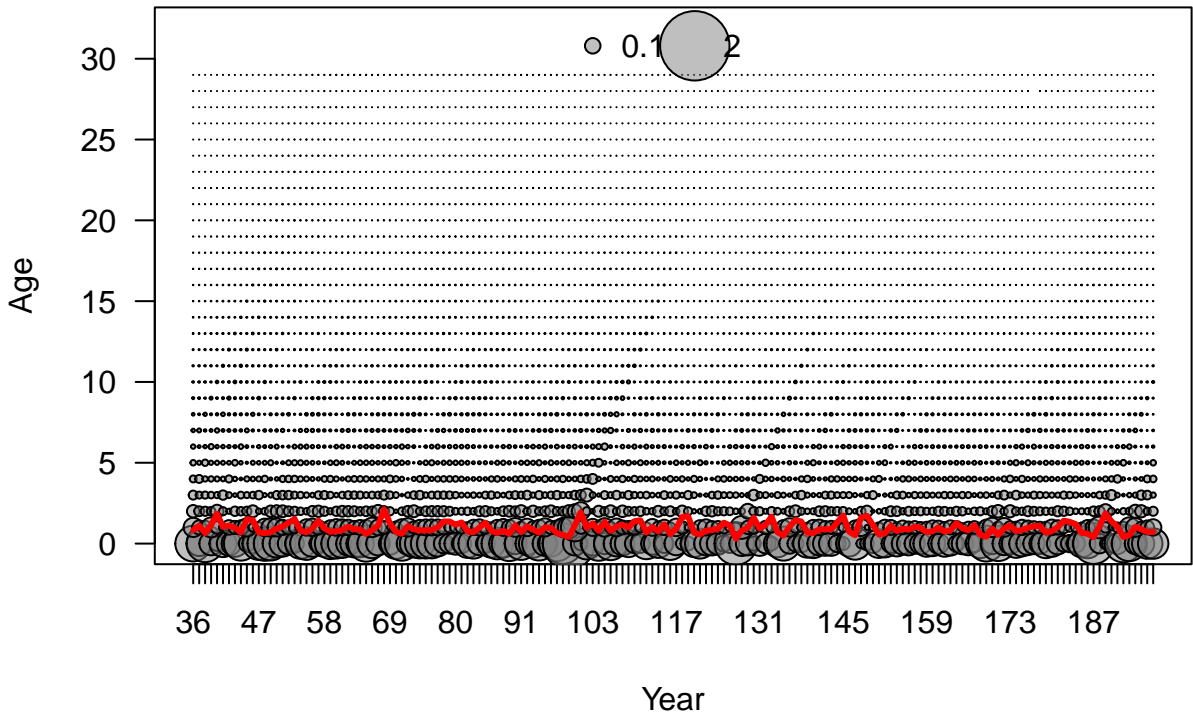
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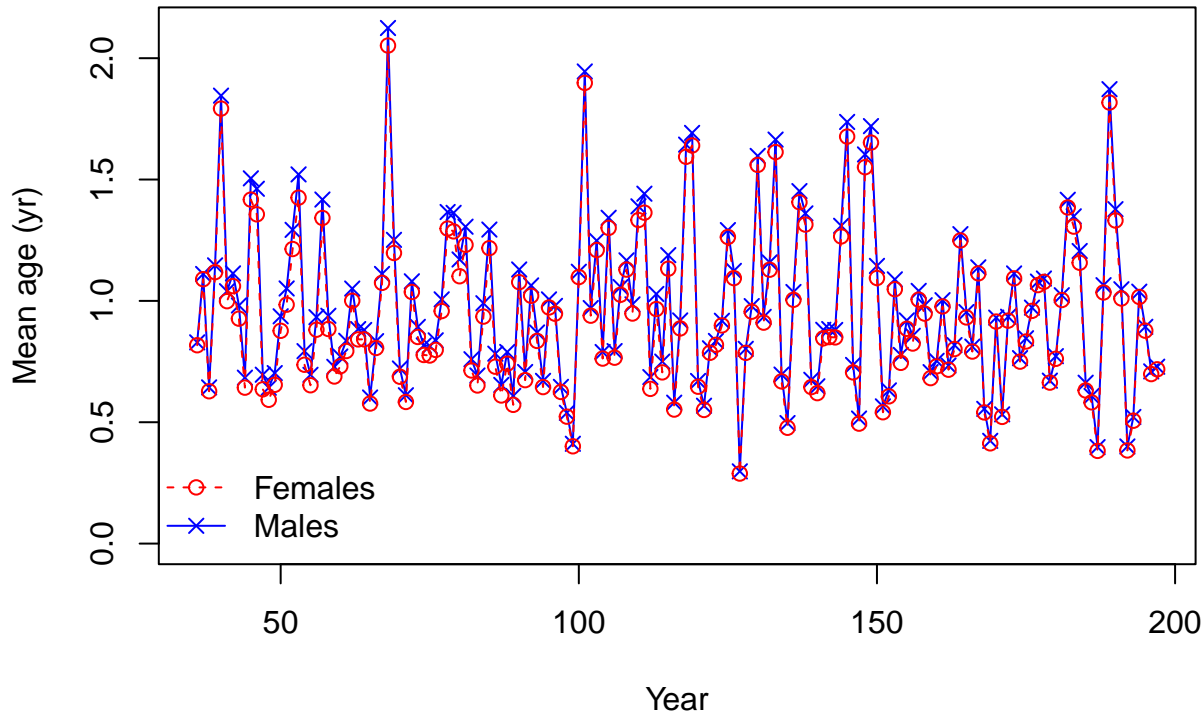


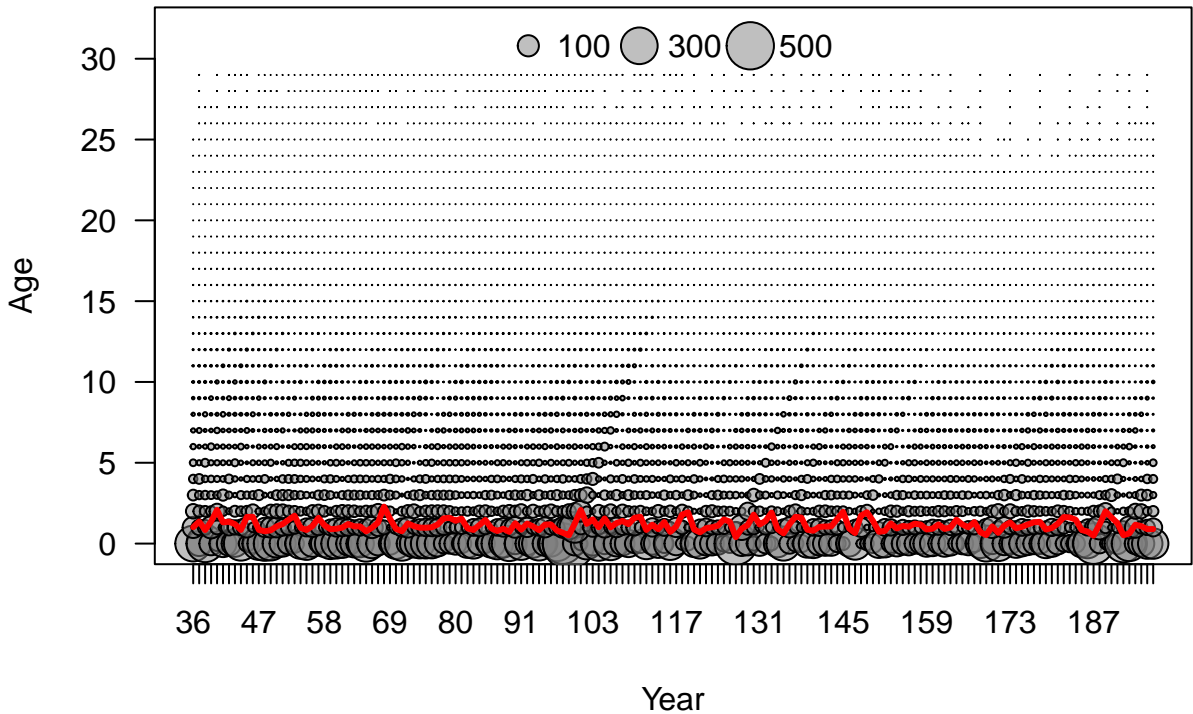


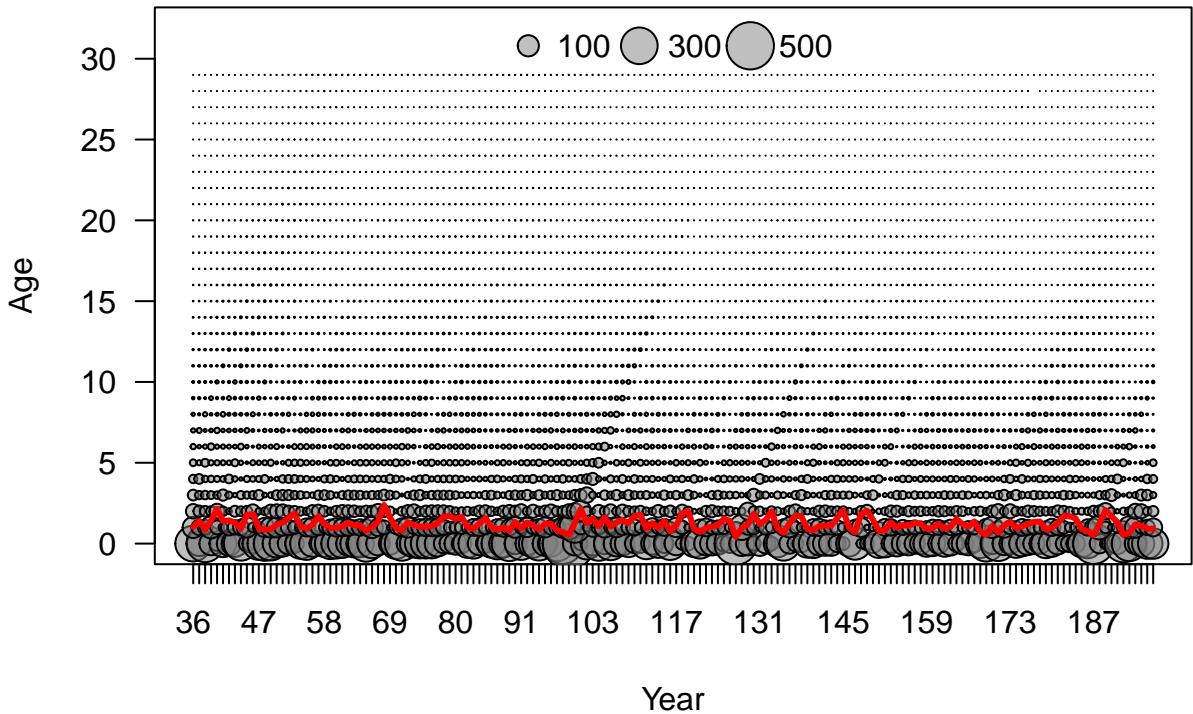
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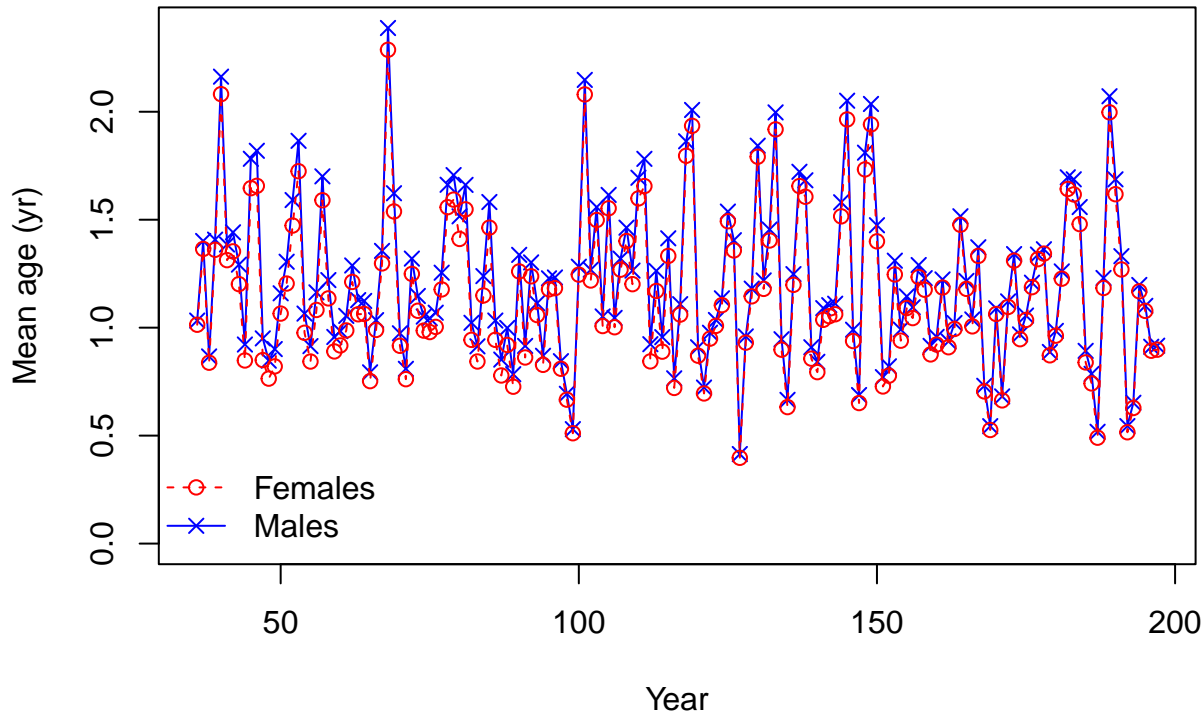


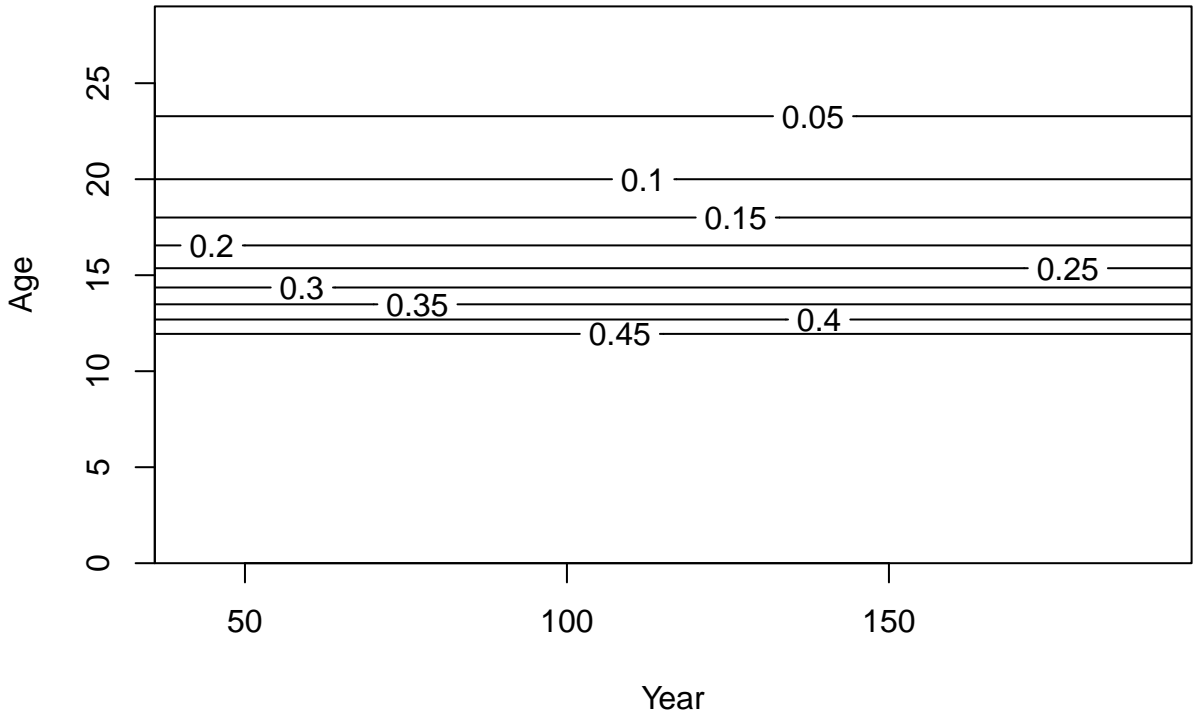


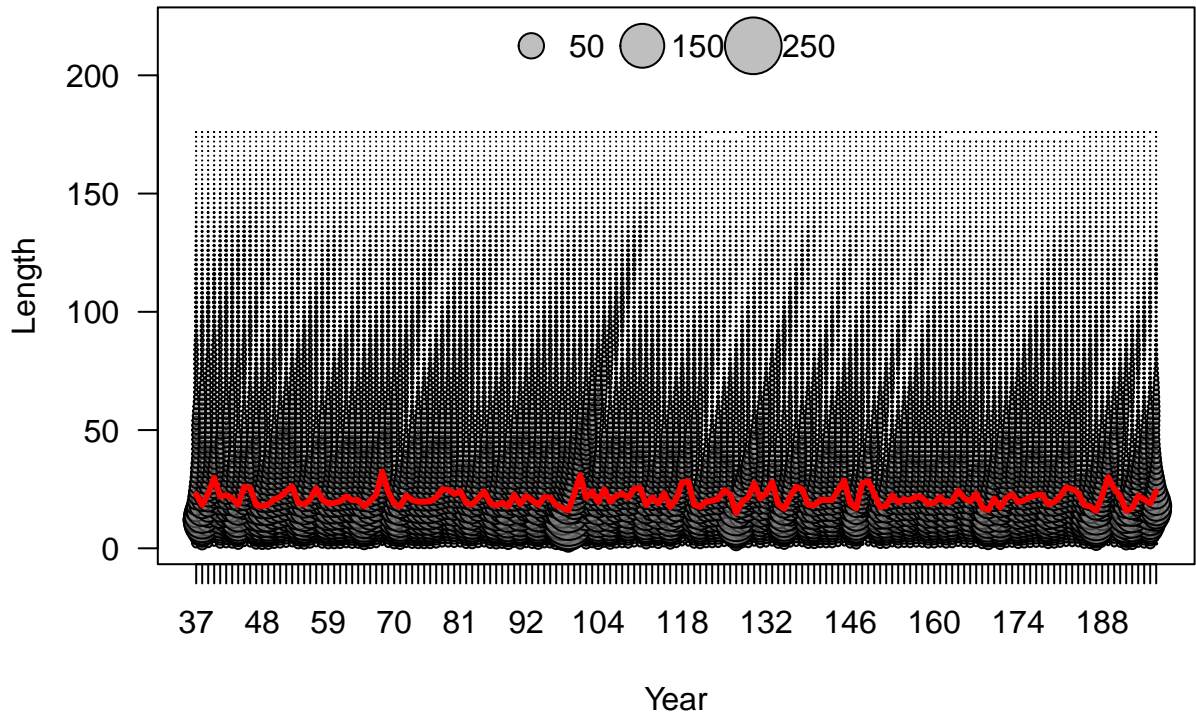


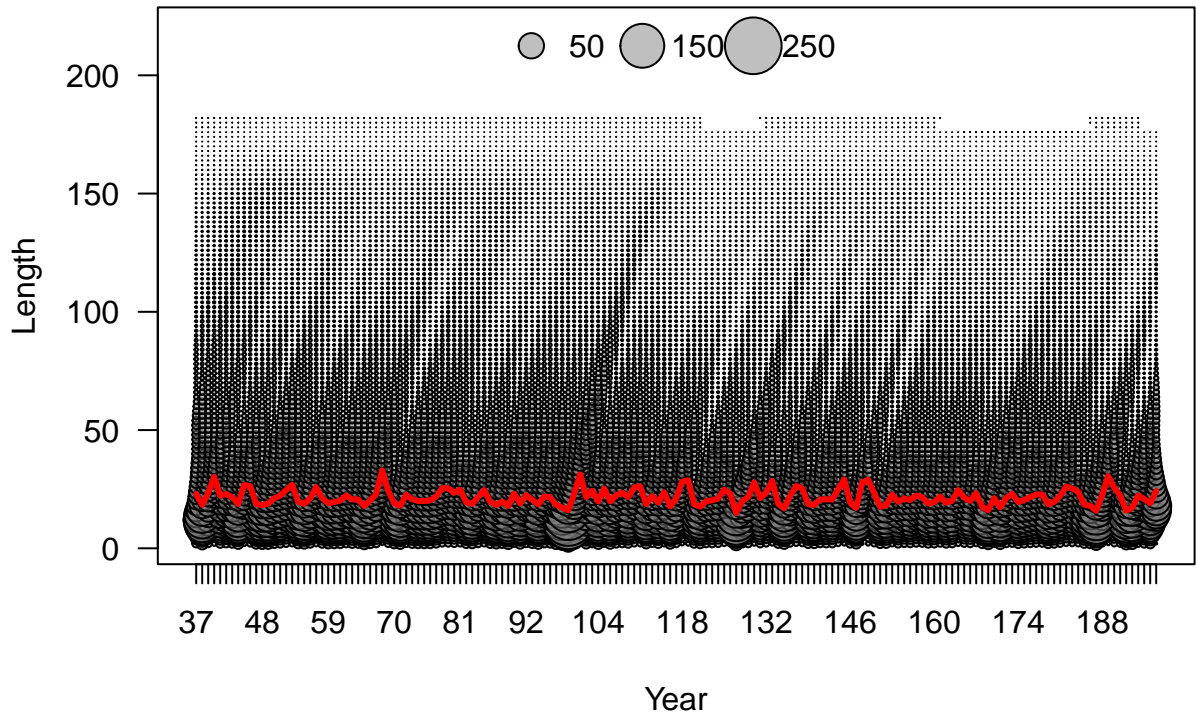


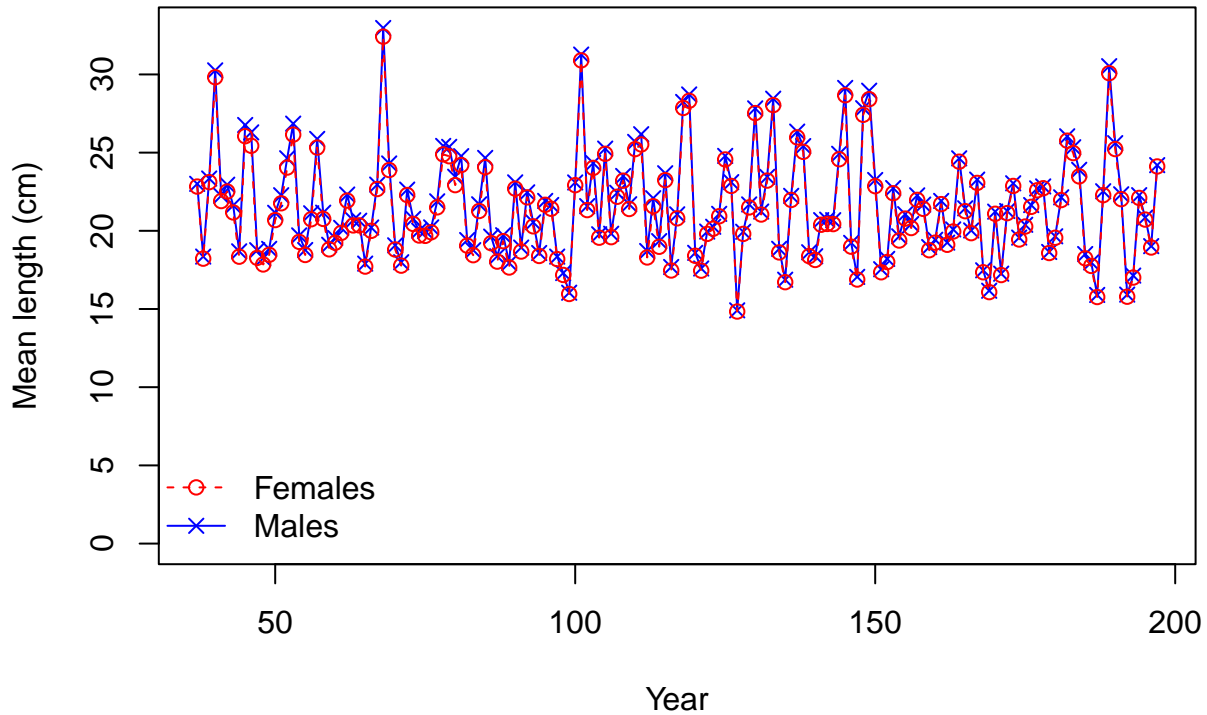


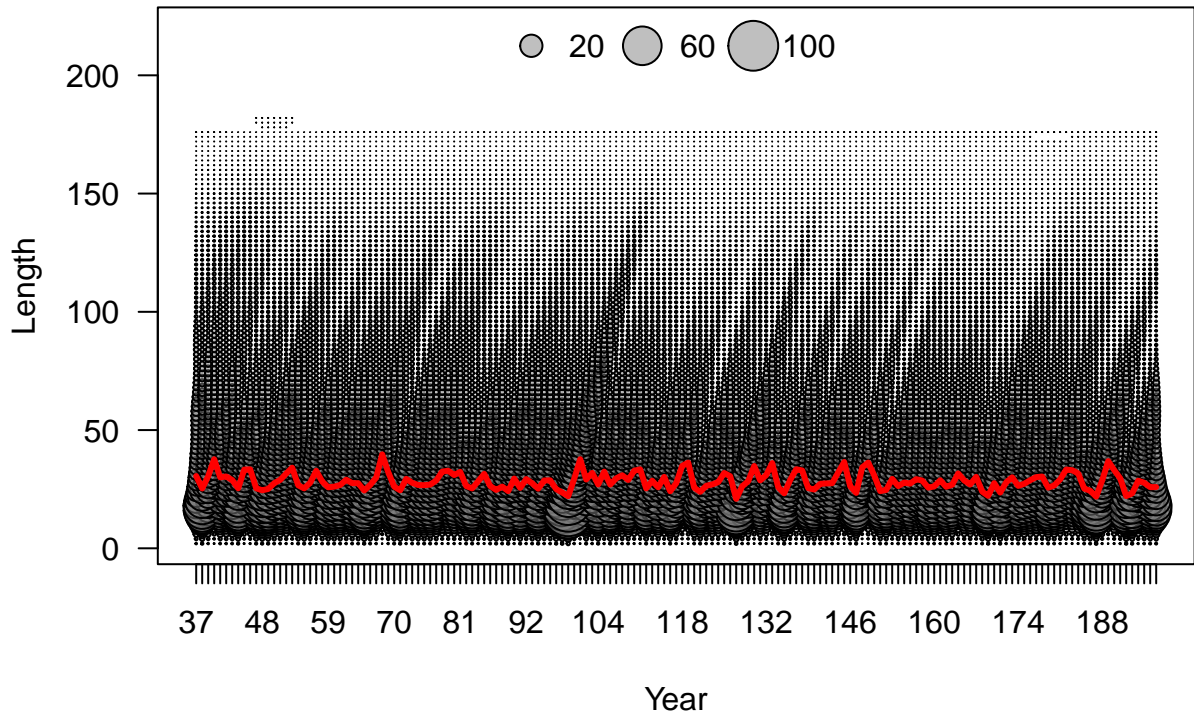


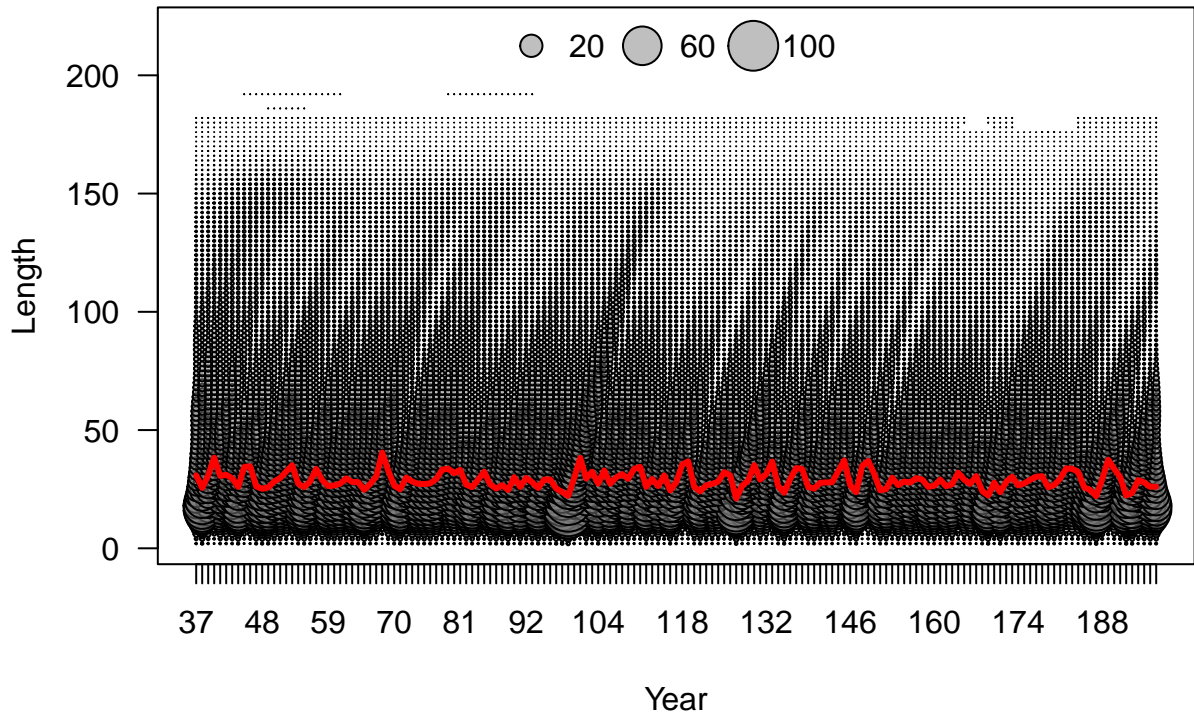


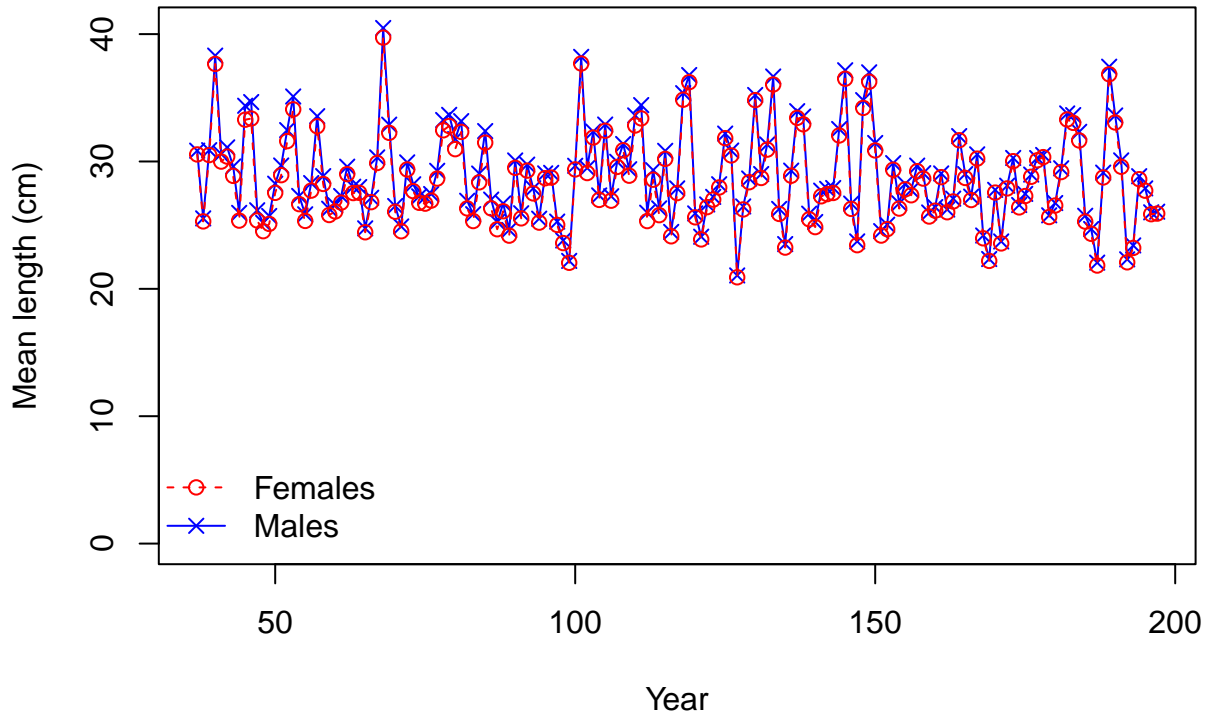


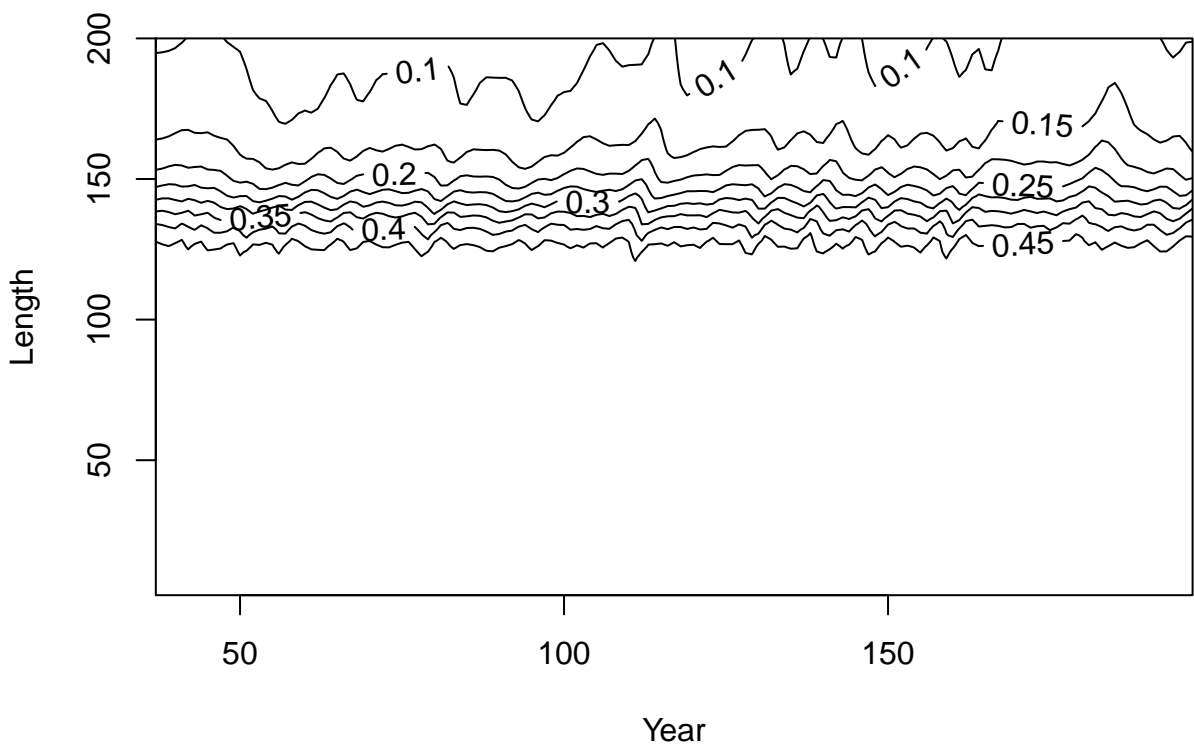


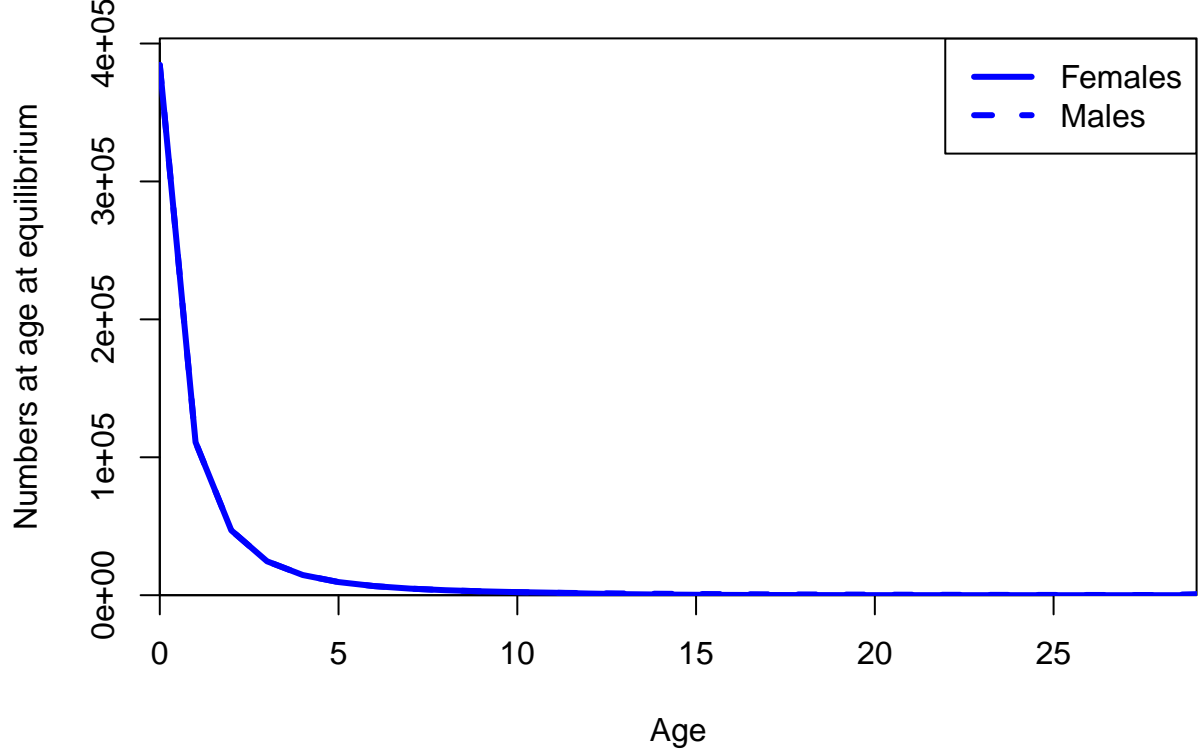


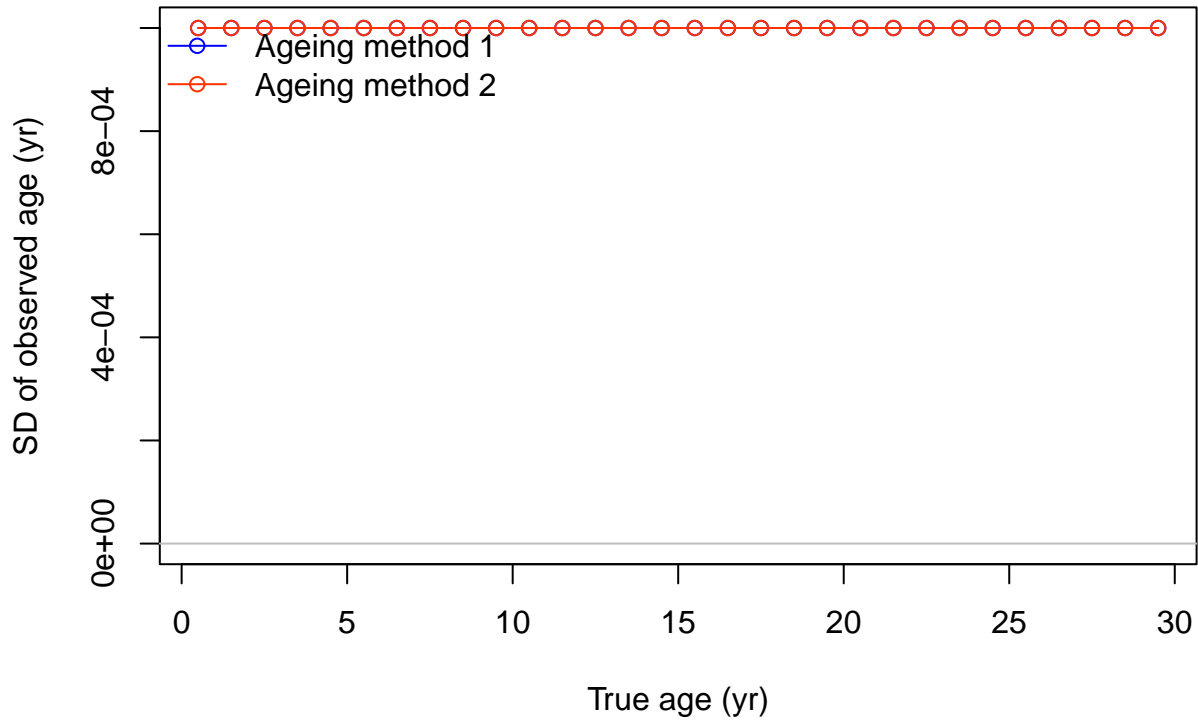


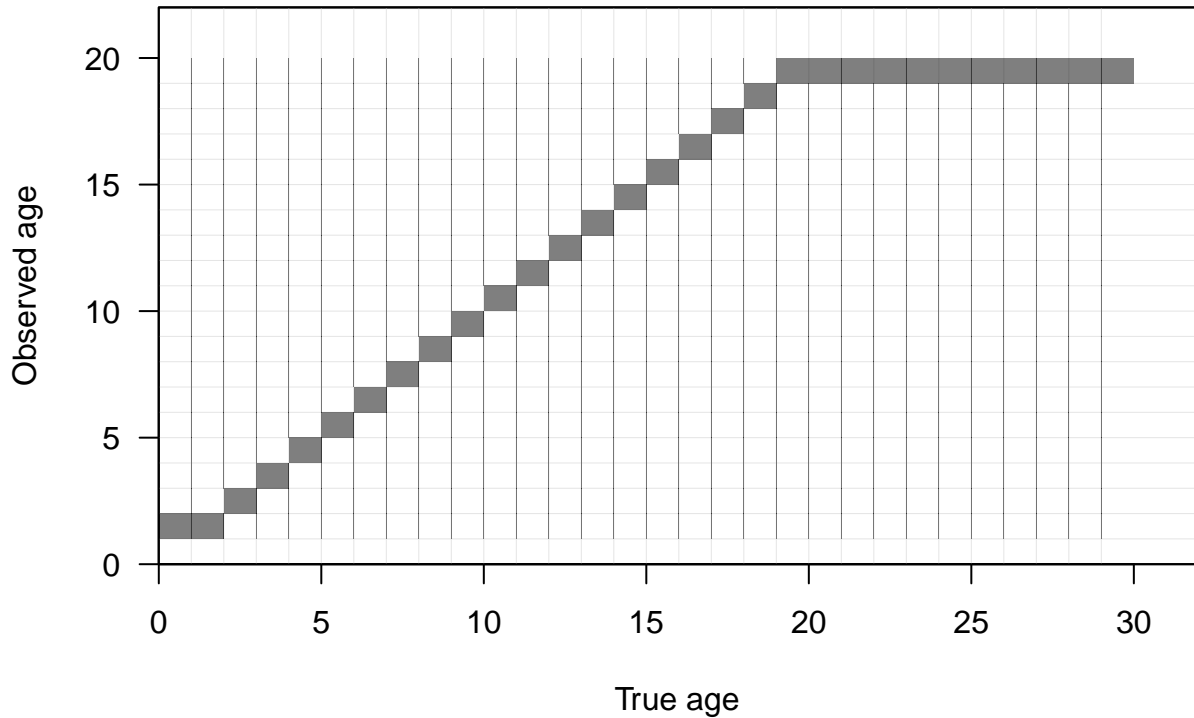


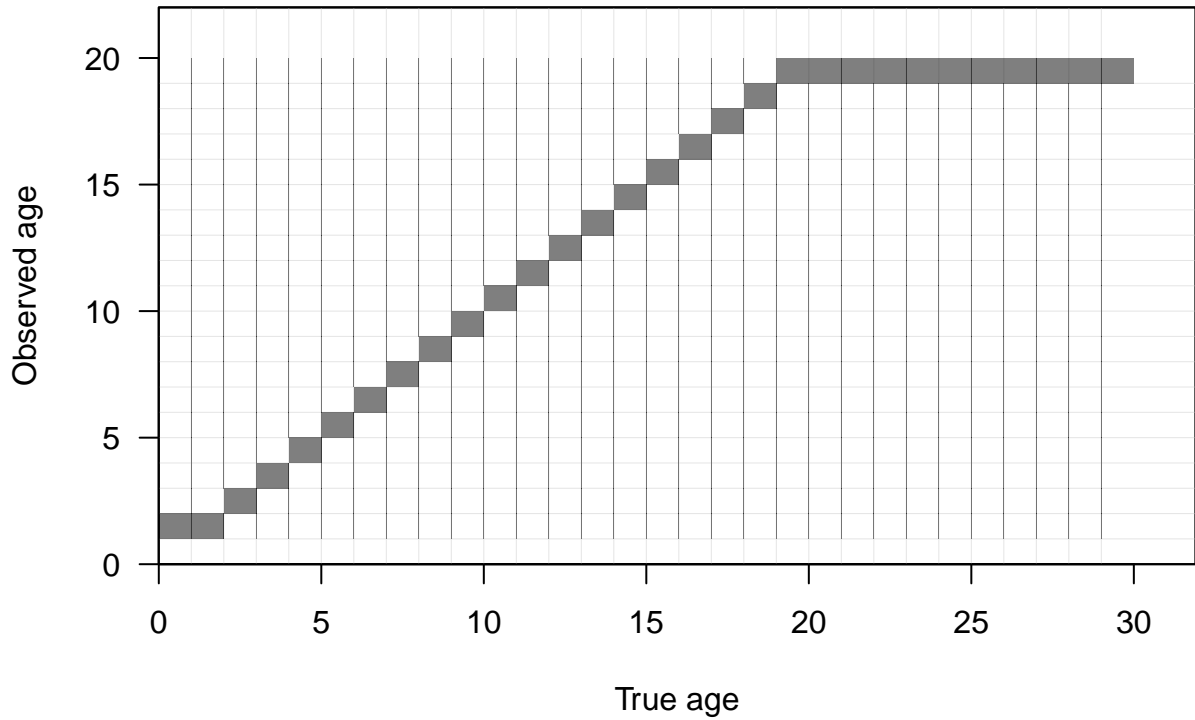




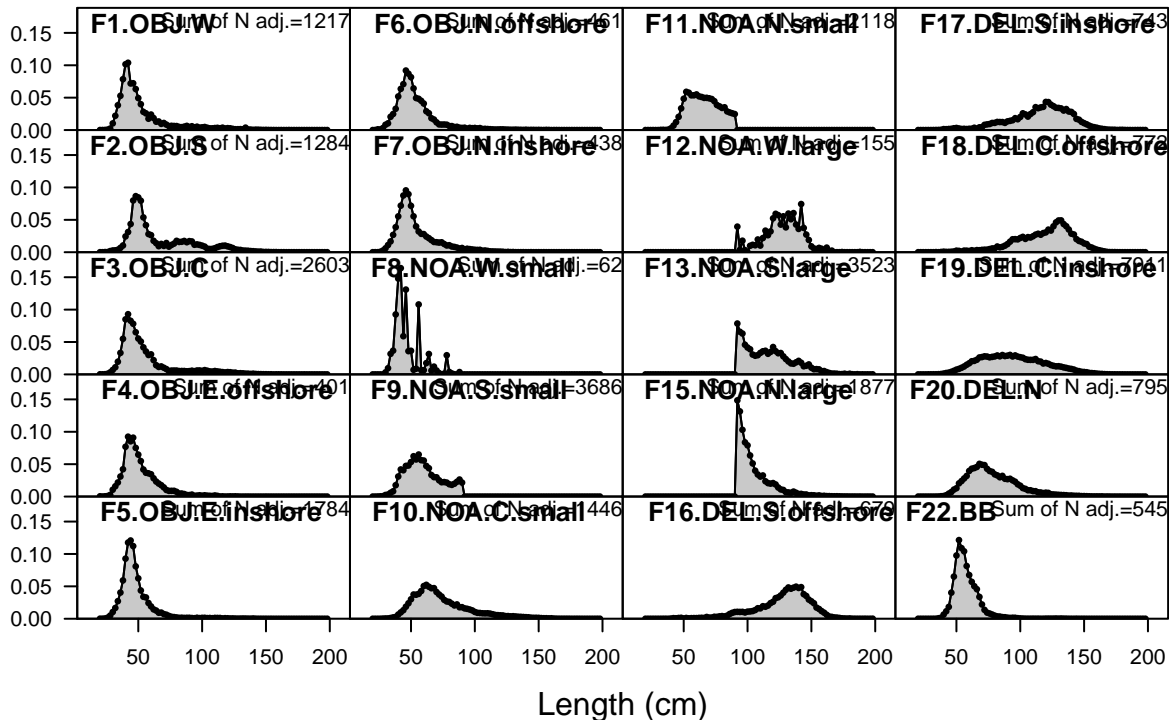


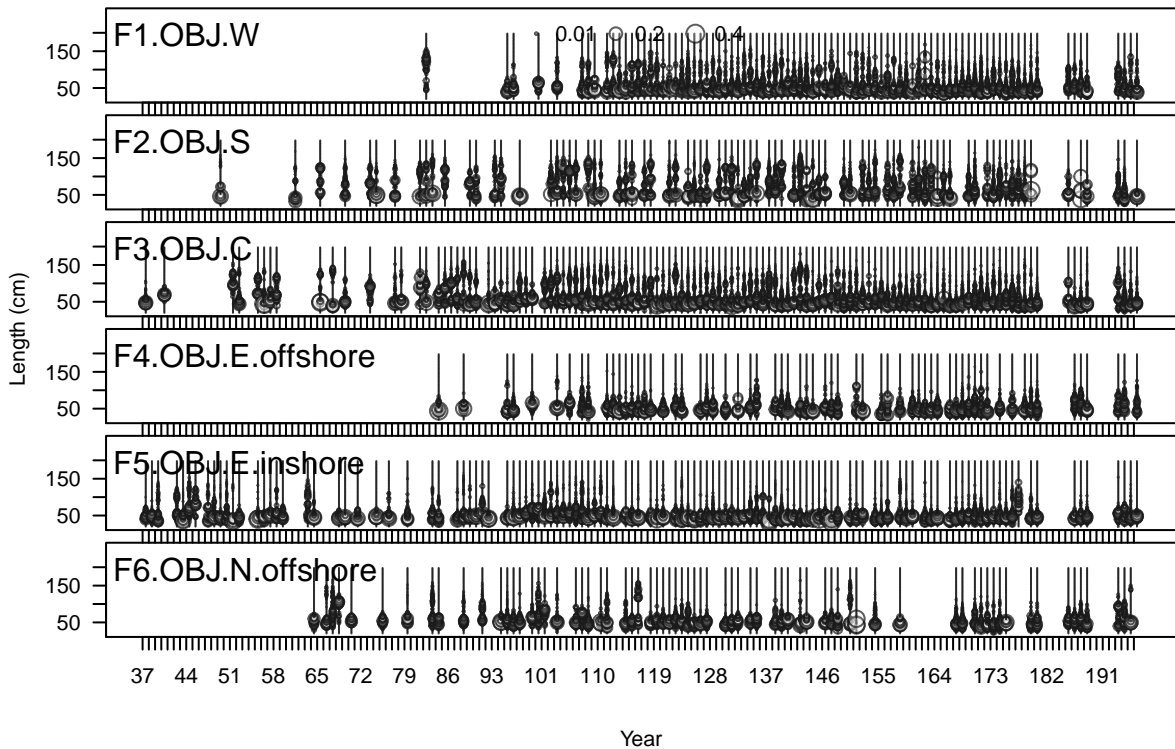


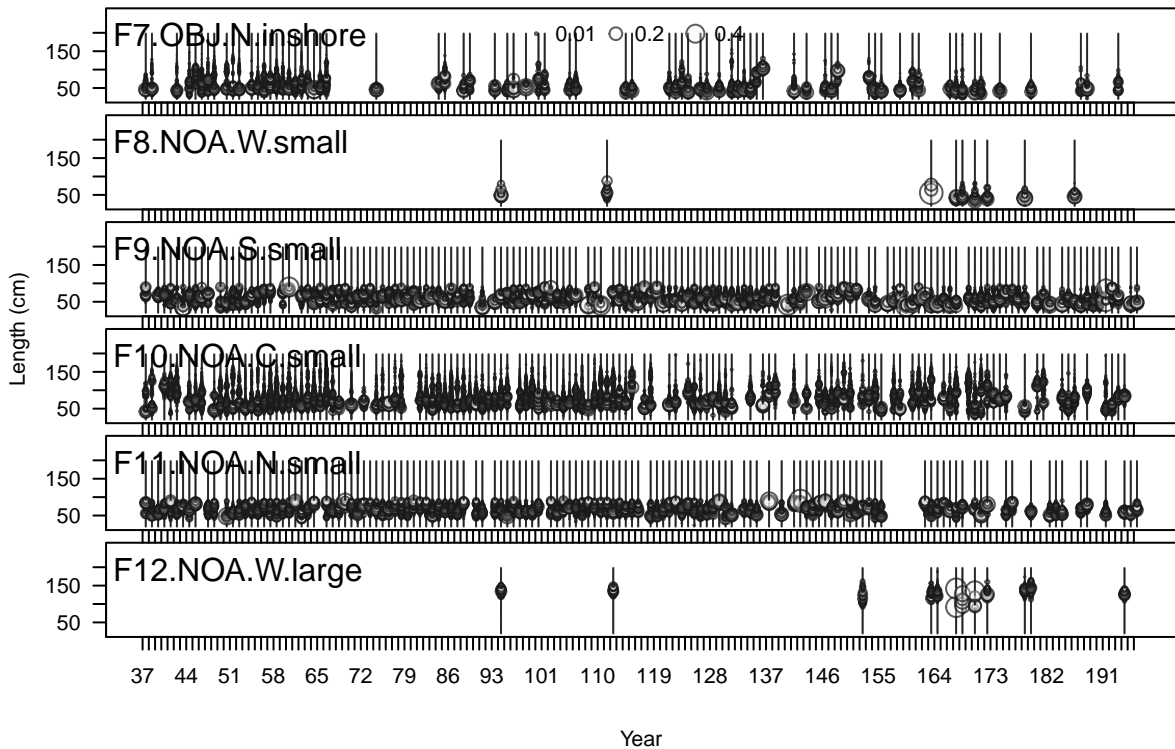


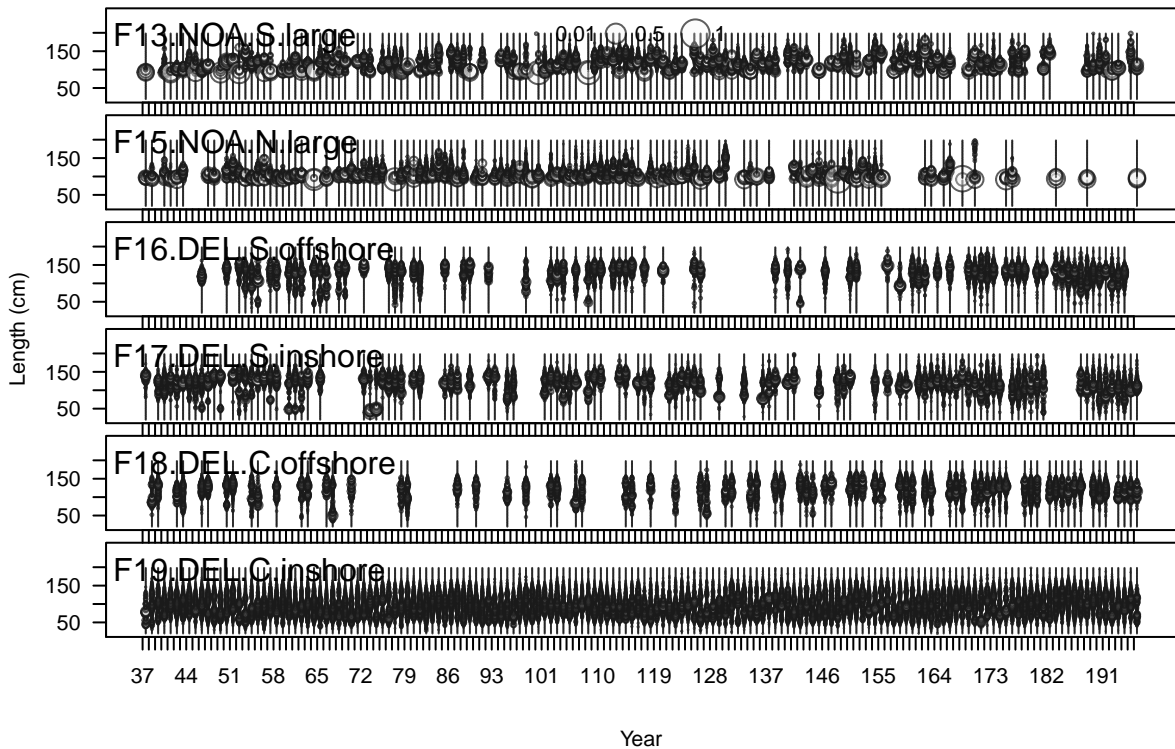


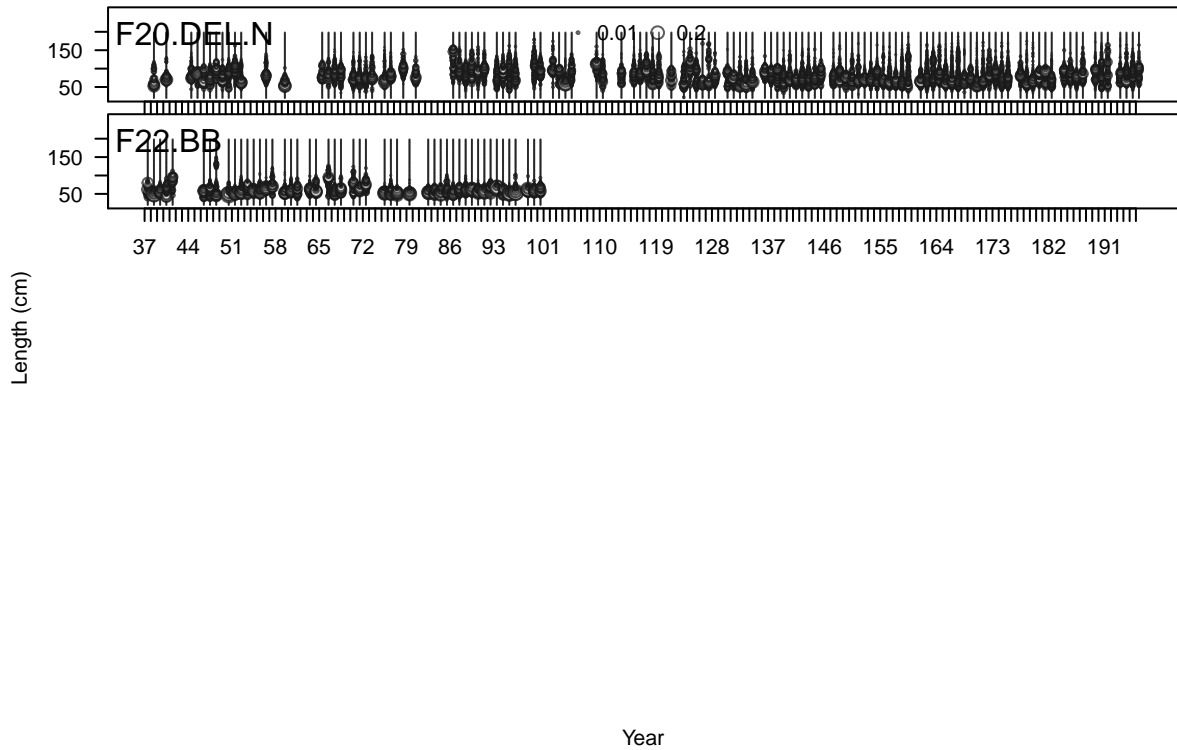
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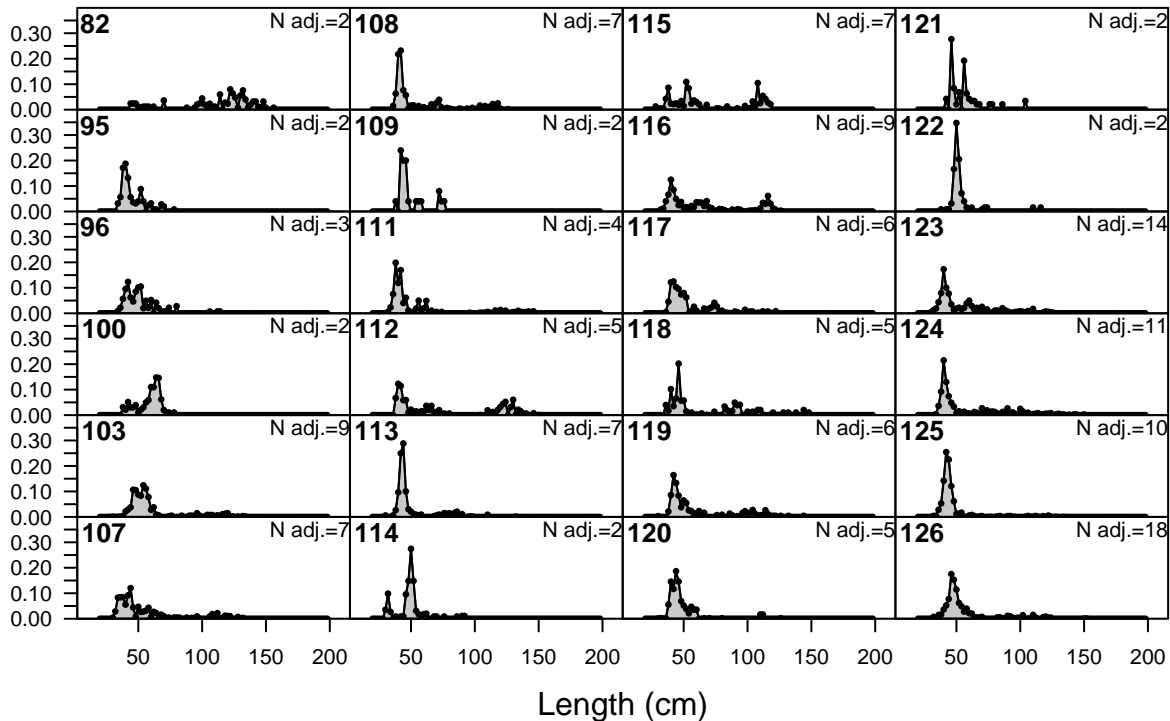




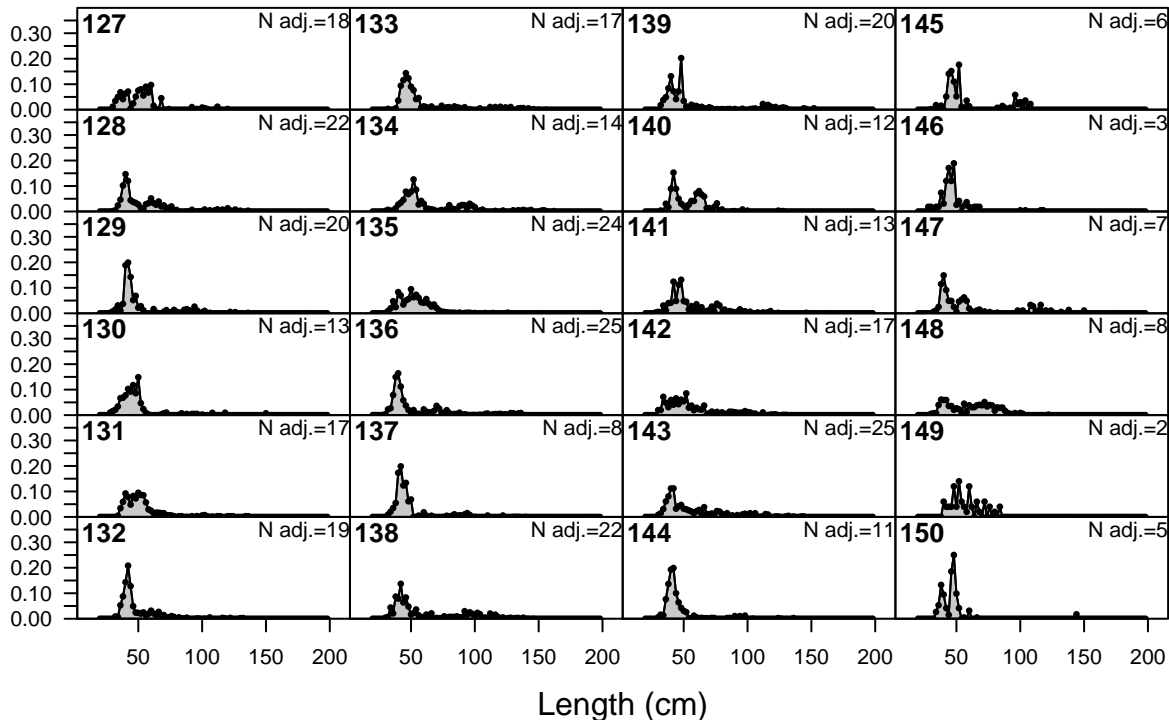




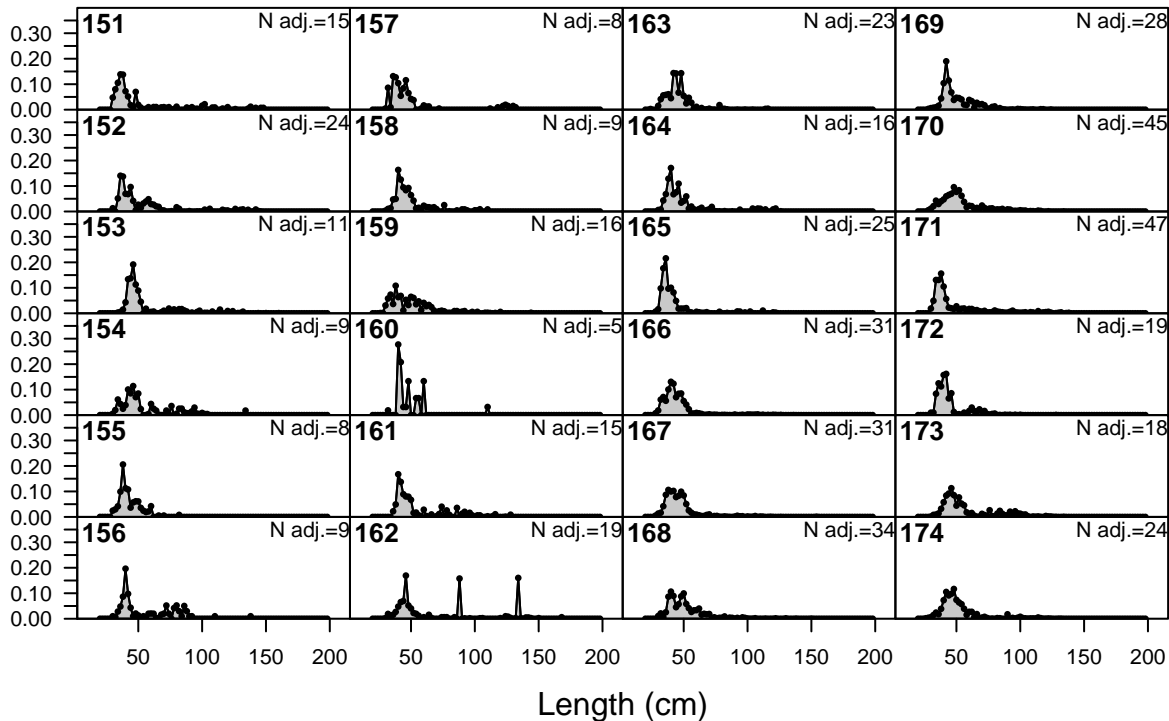
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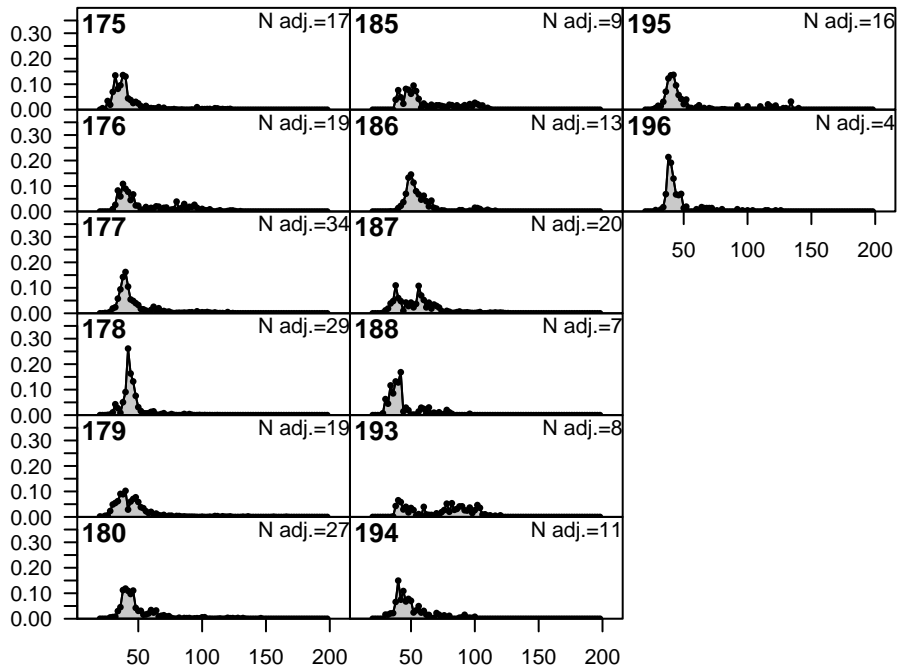
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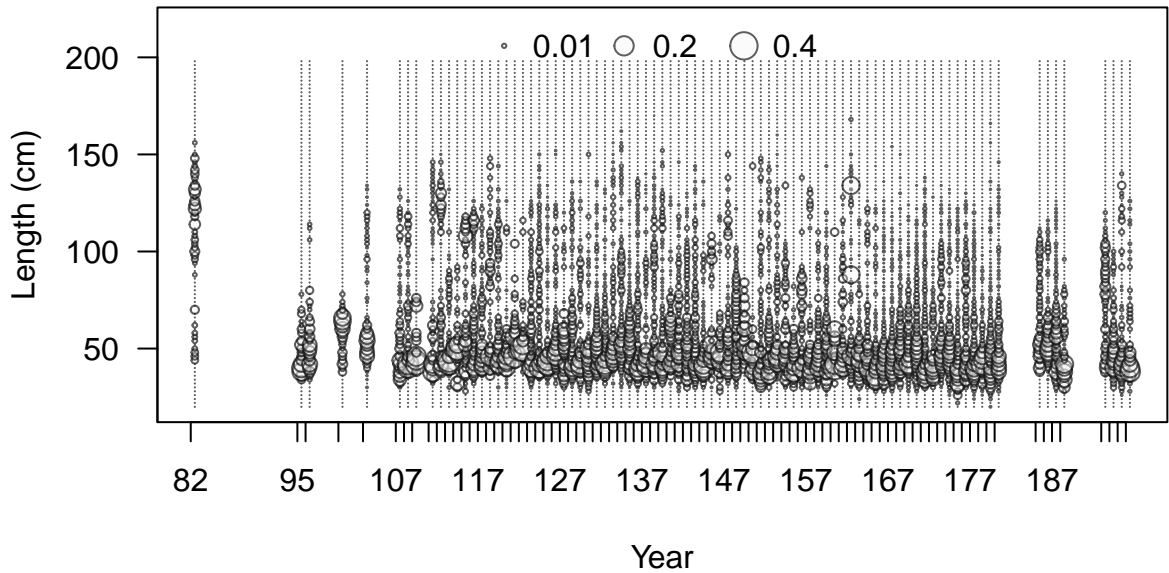
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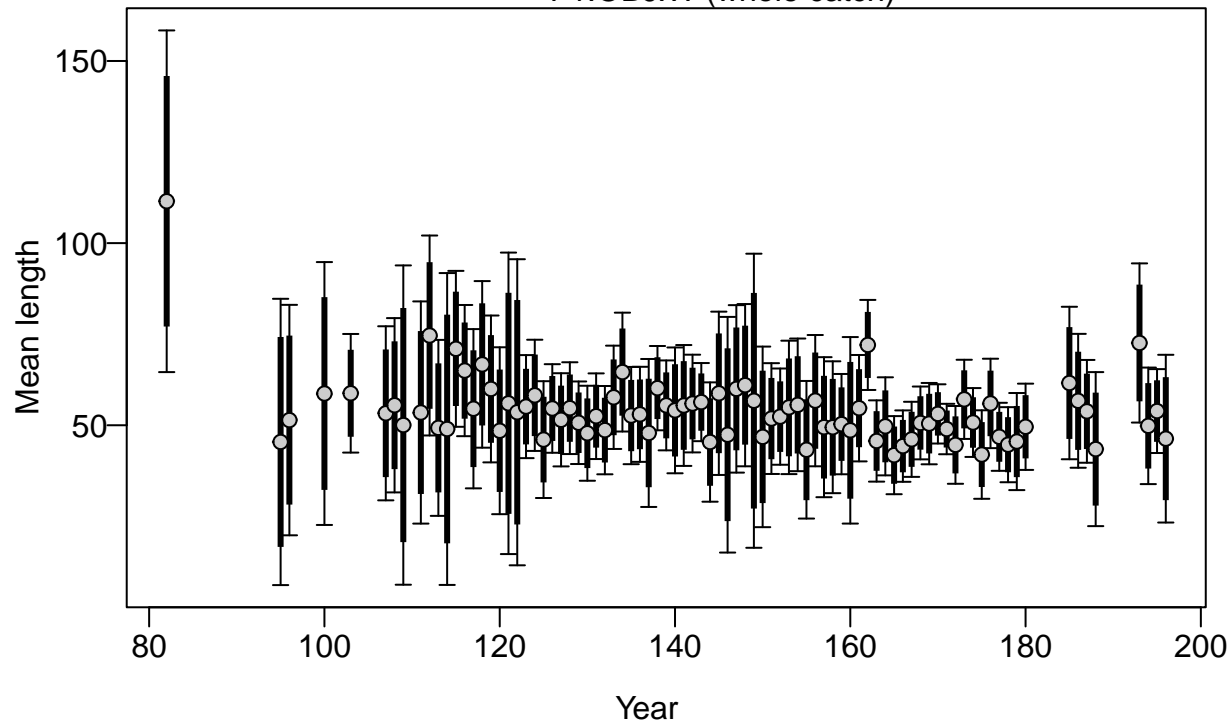
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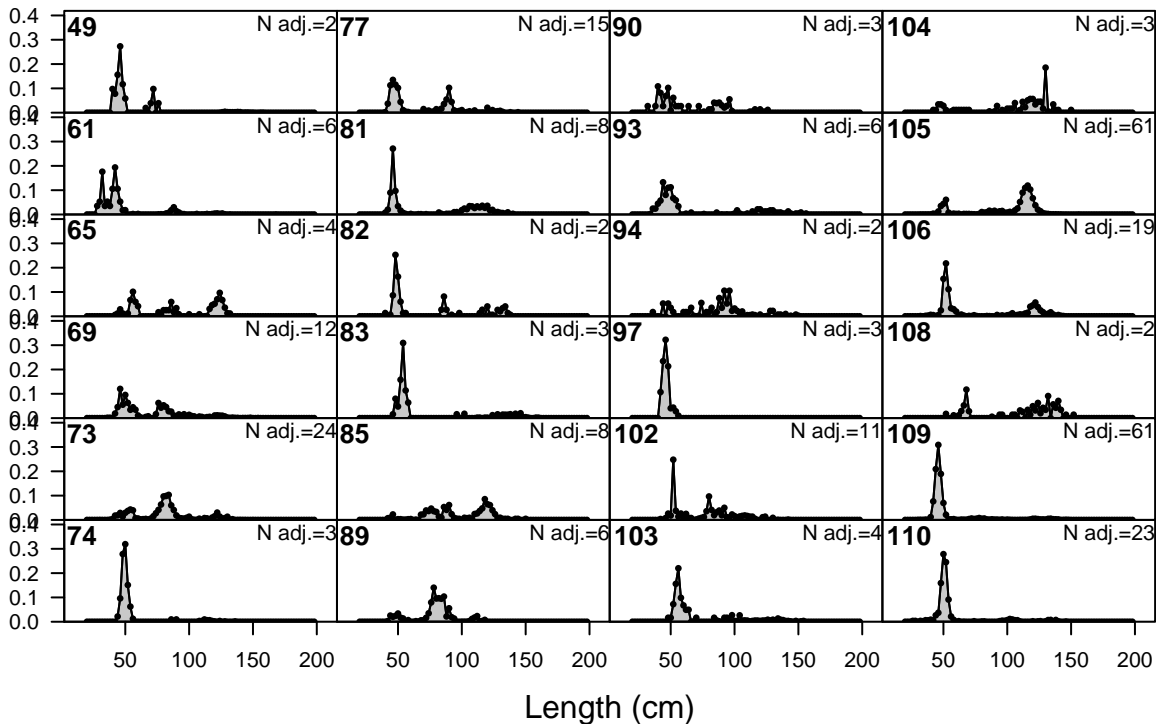
Length (cm)



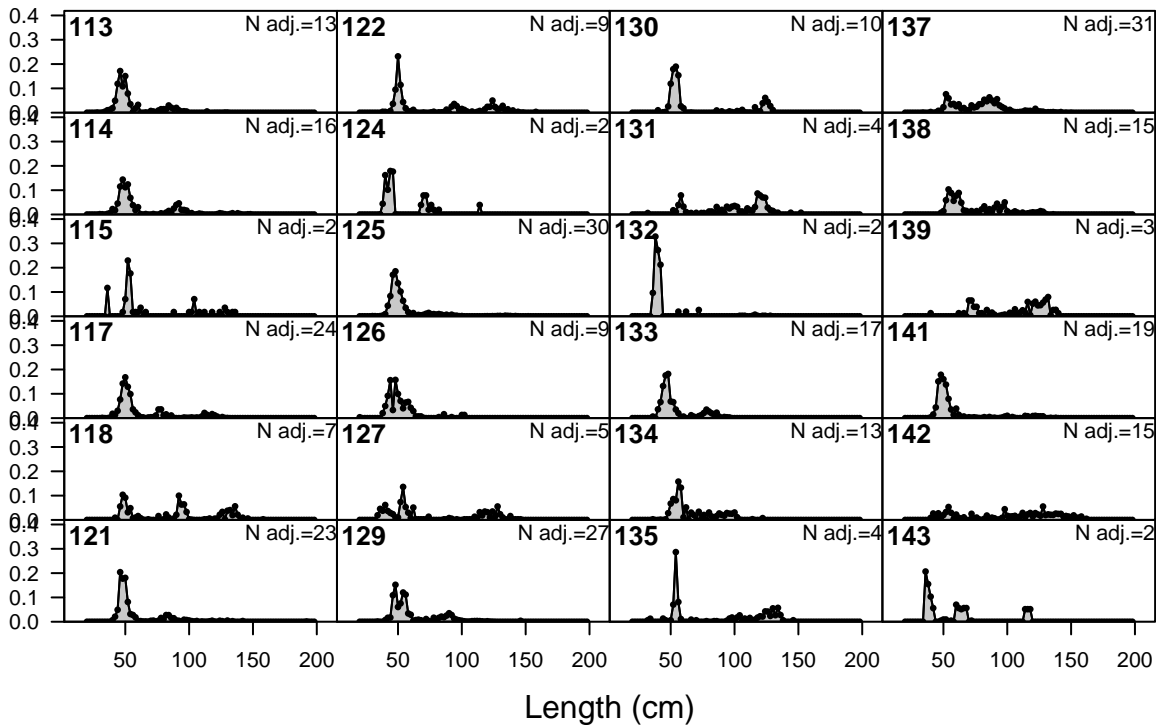
F1.OBJ.W (whole catch)



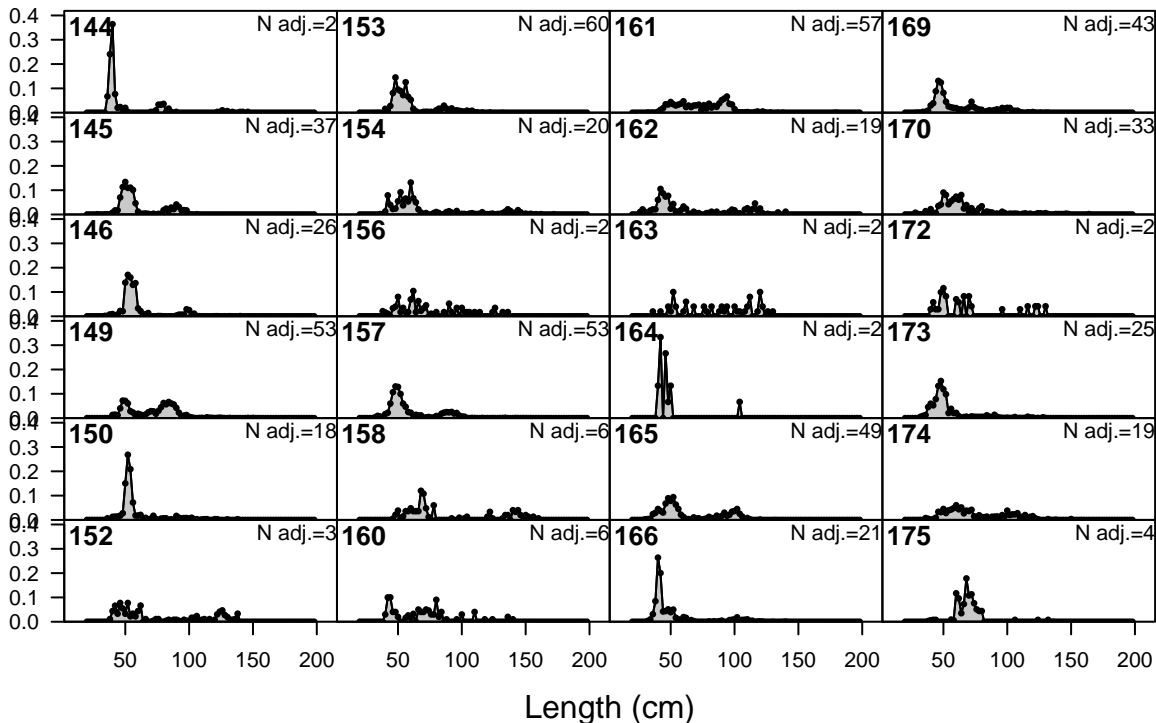
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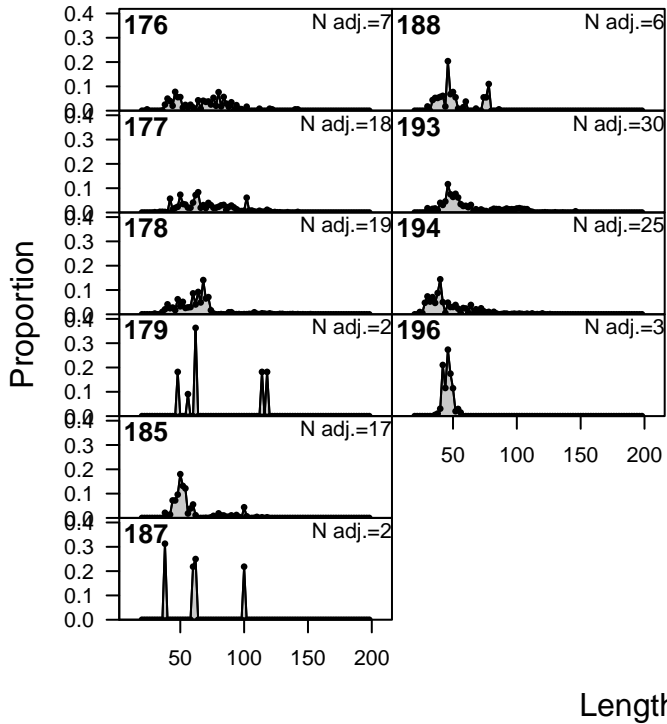


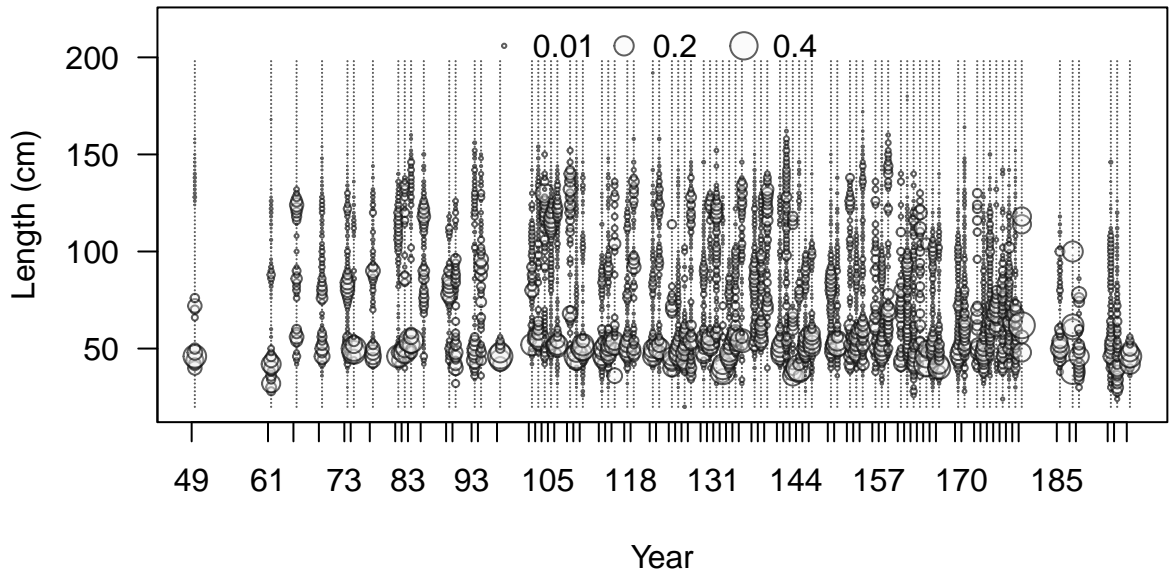
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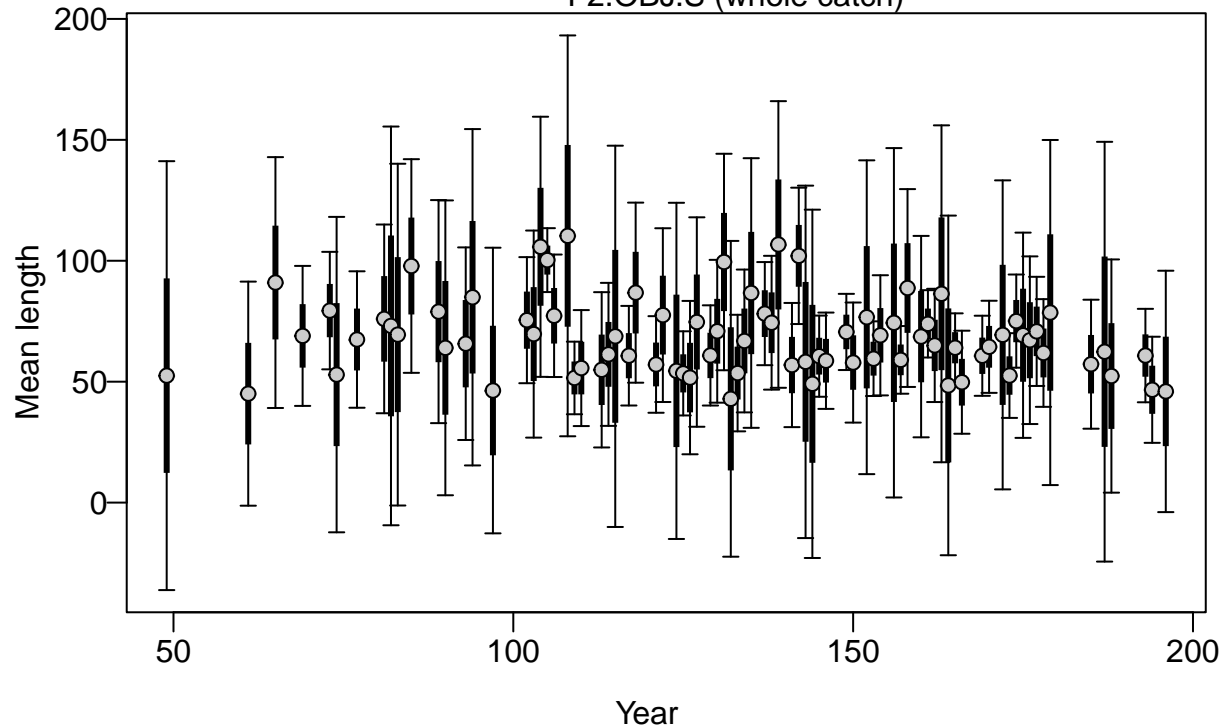
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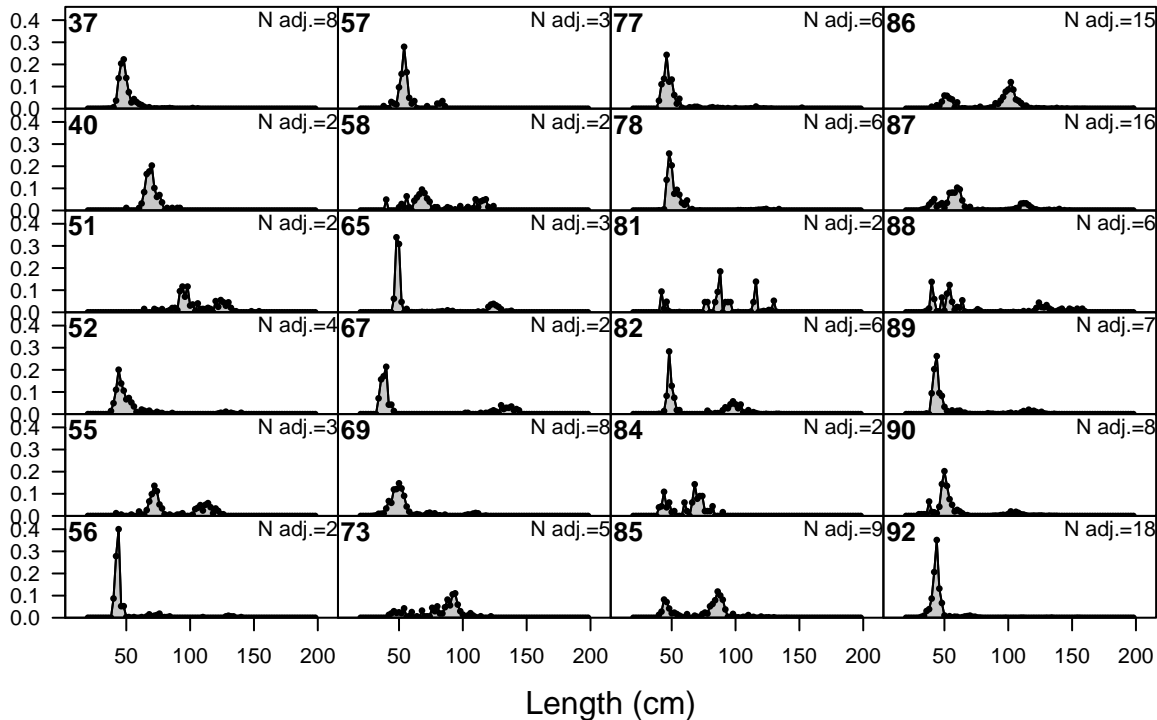




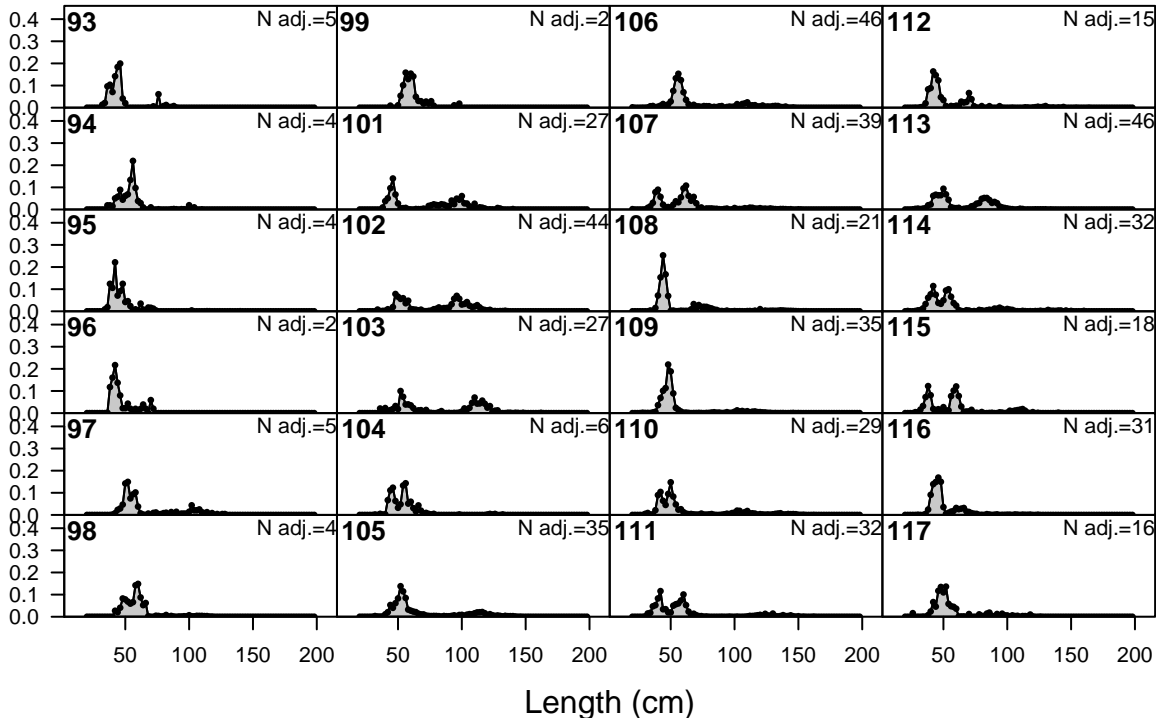
F2.OBJ.S (whole catch)



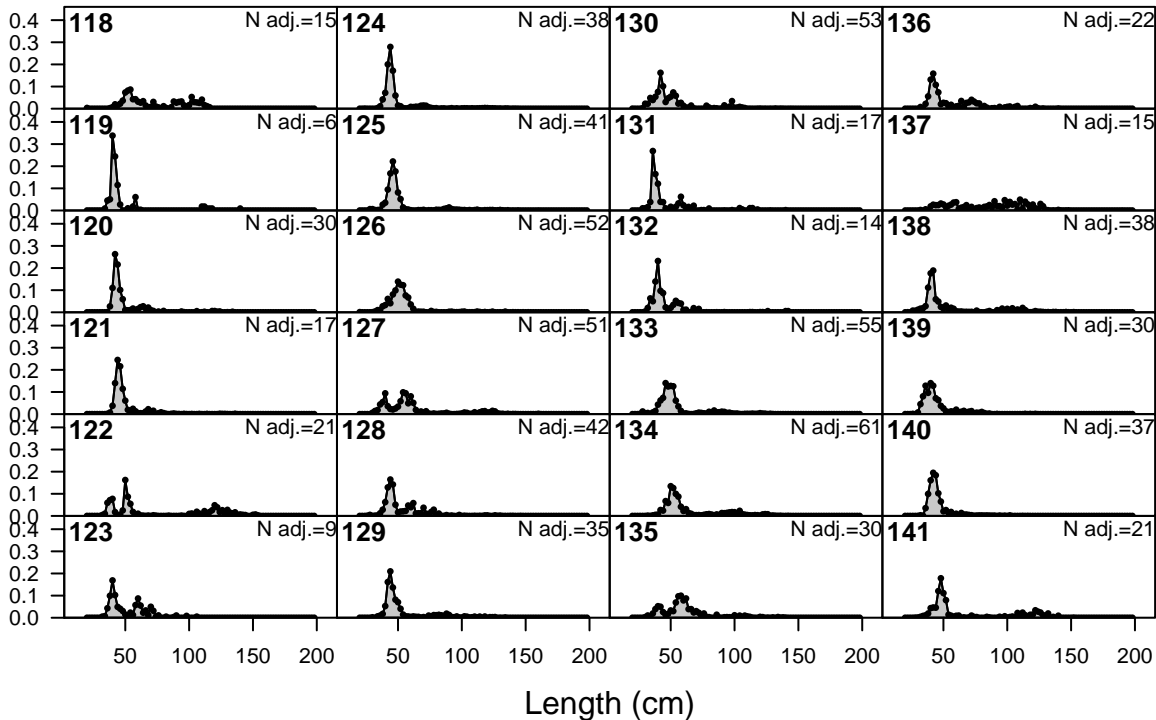
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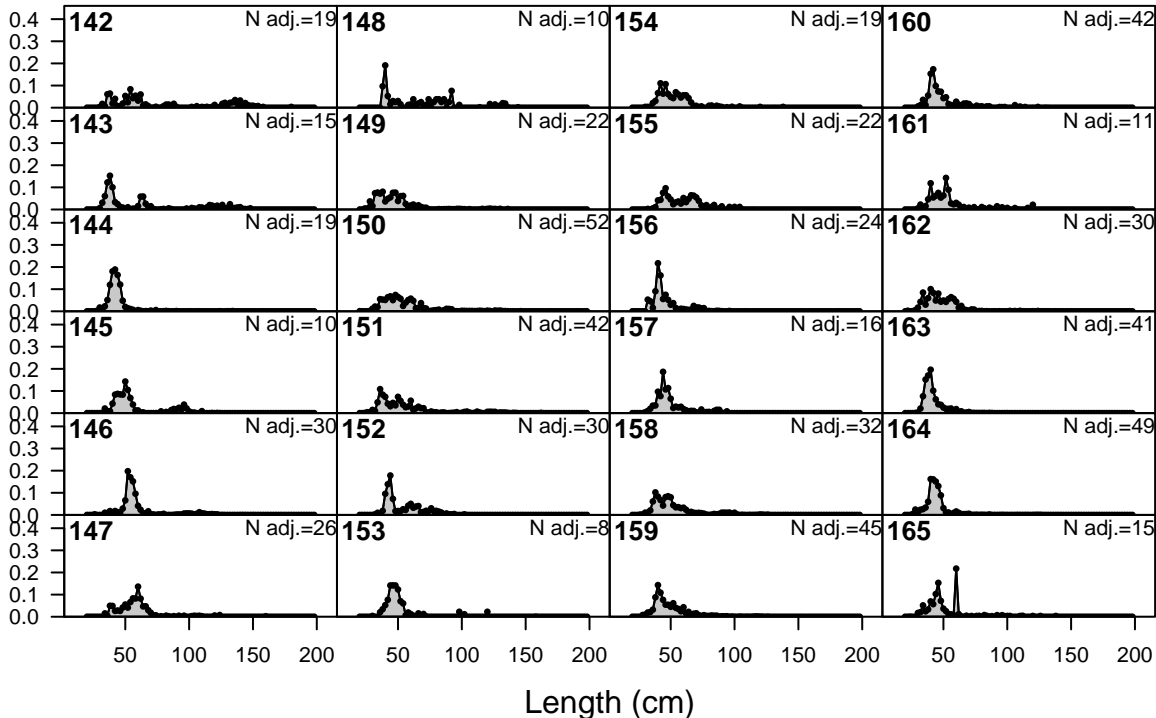
Proportion



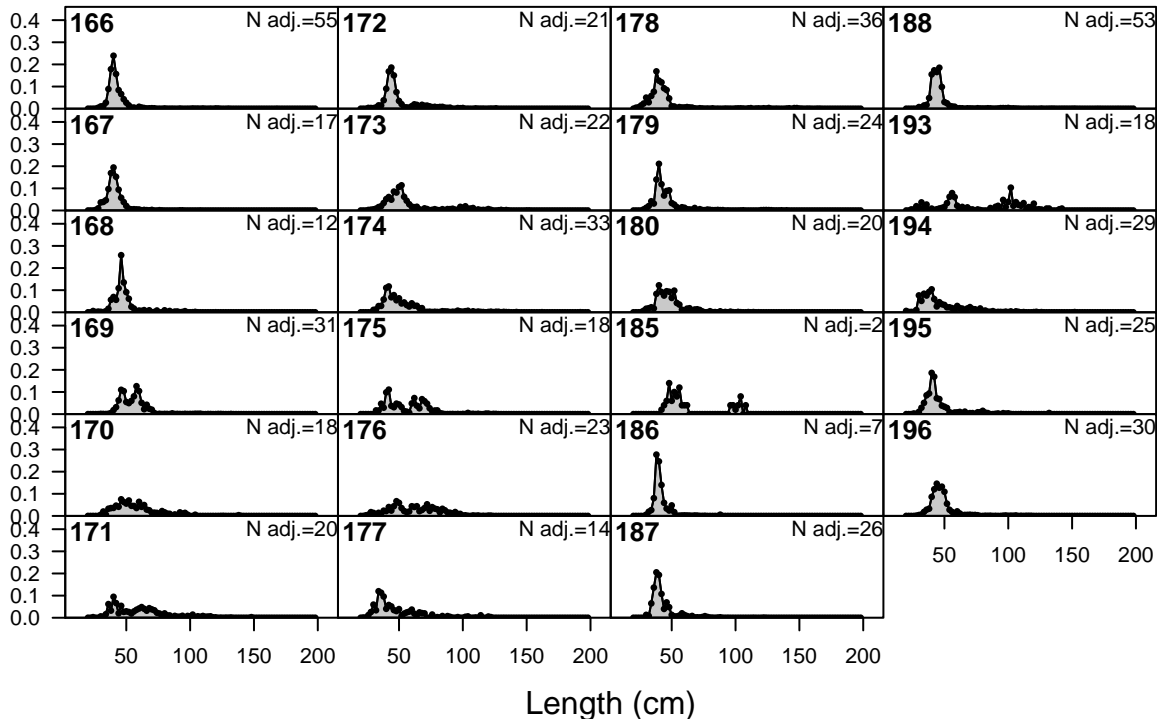
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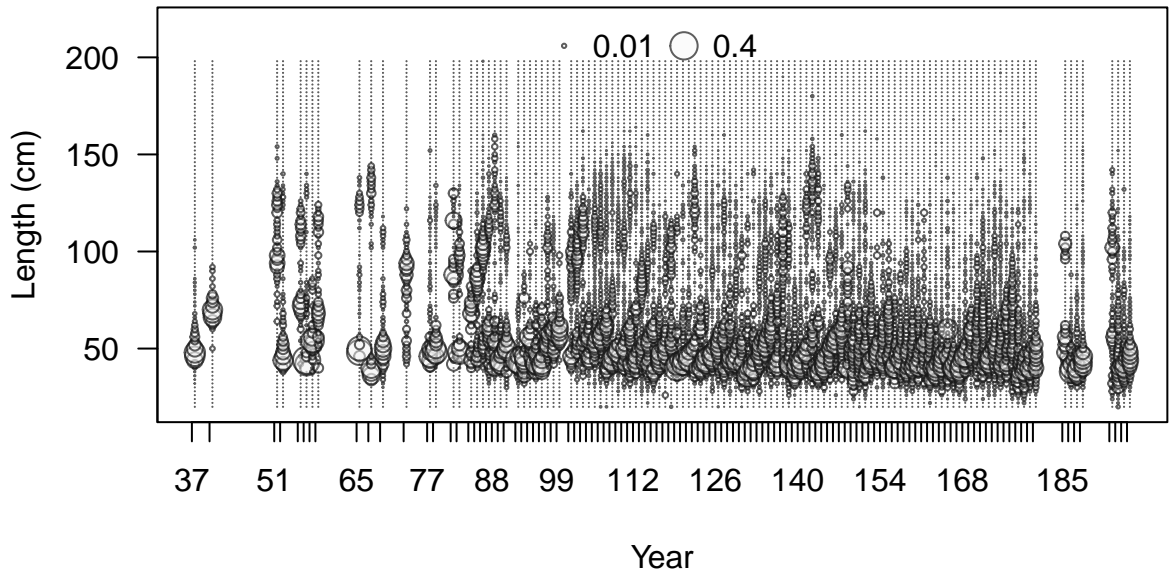


Proportion

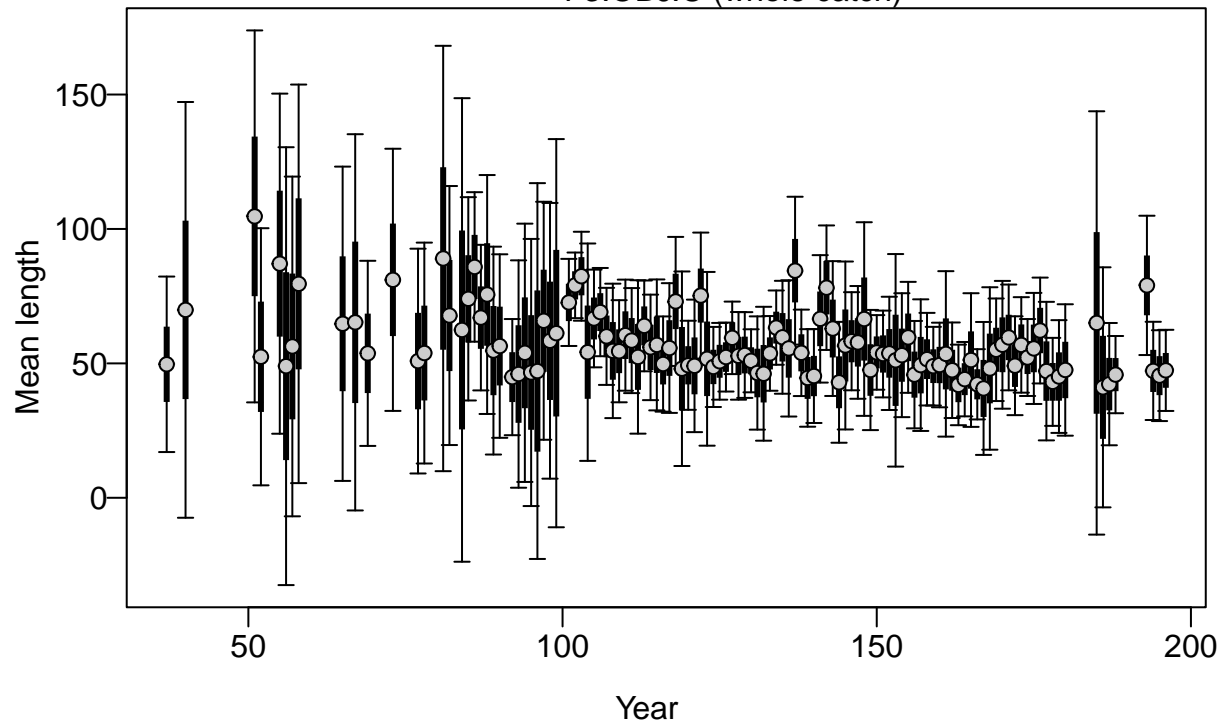


Proportion

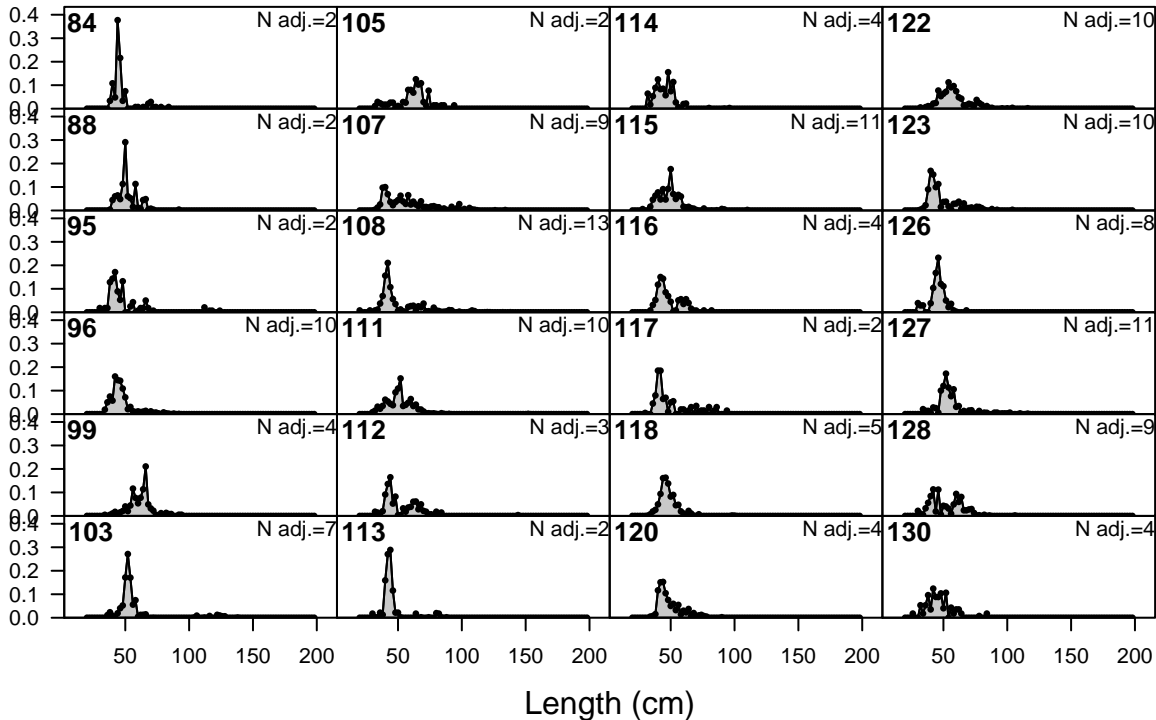




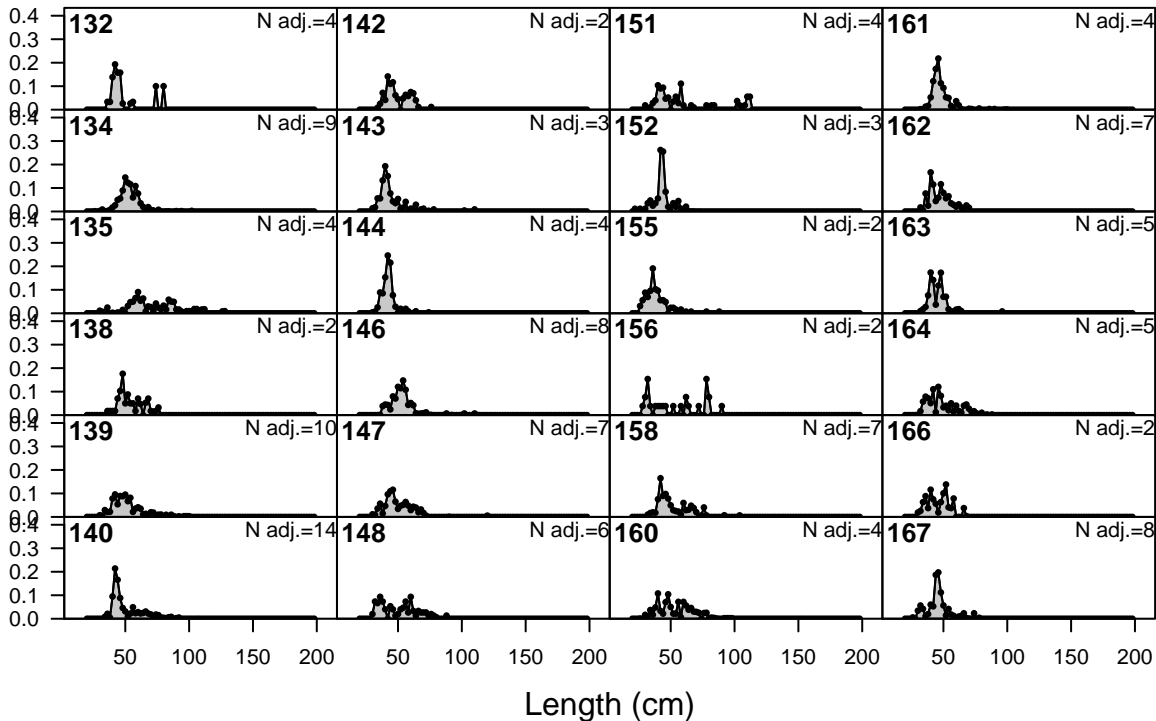
F3.OBJ.C (whole catch)



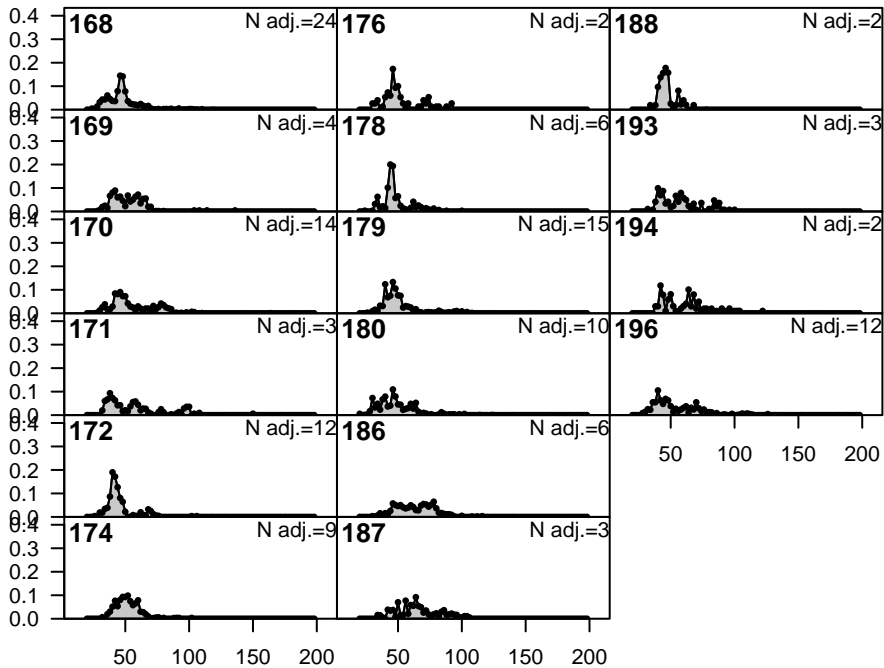
Proportion



Proportion



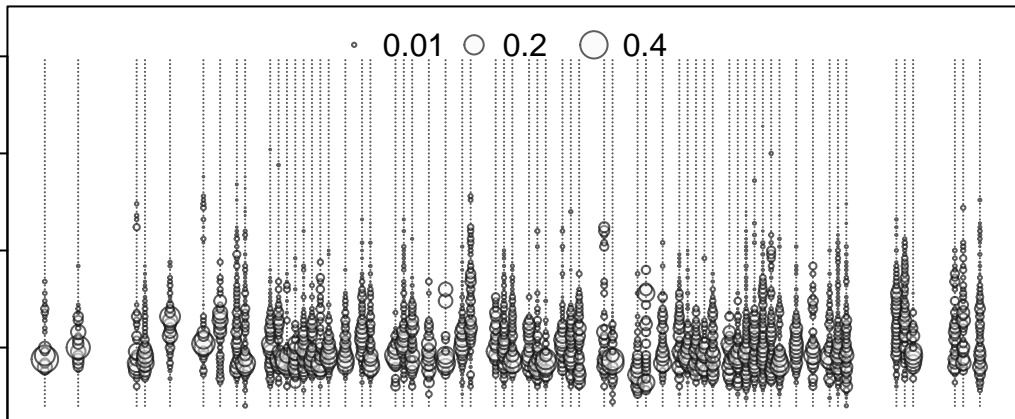
Proportion



Length (cm)

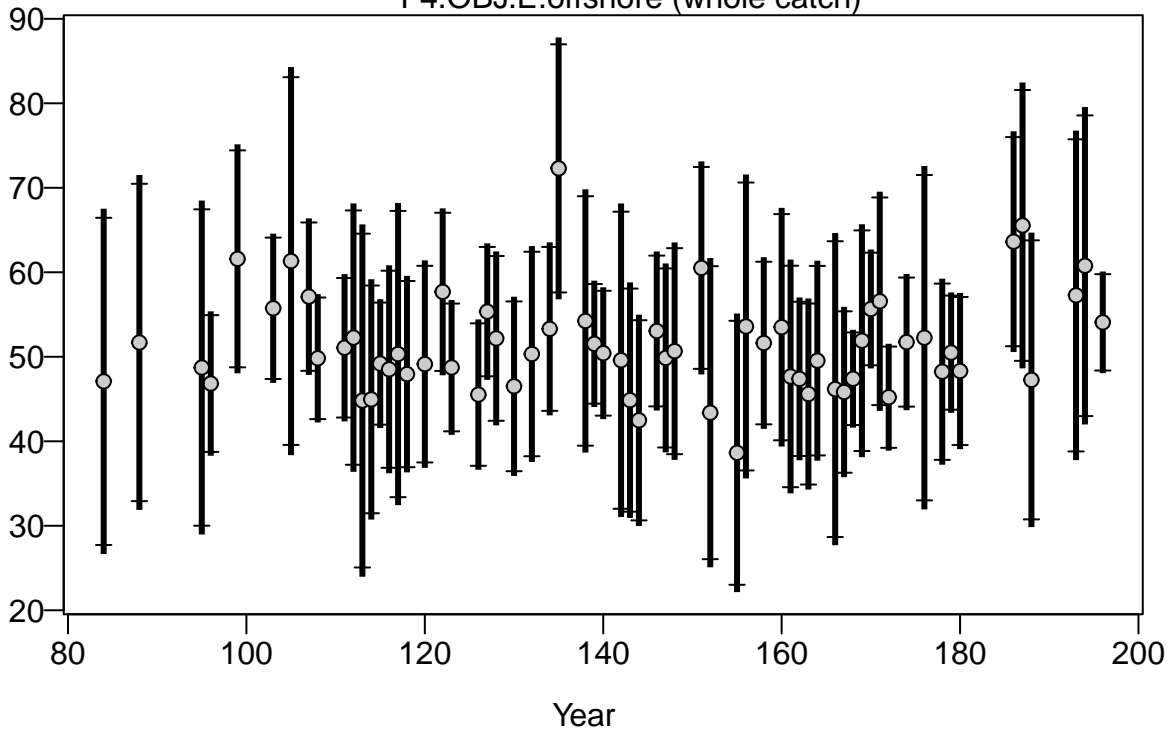
Length (cm)

200
150
100
50

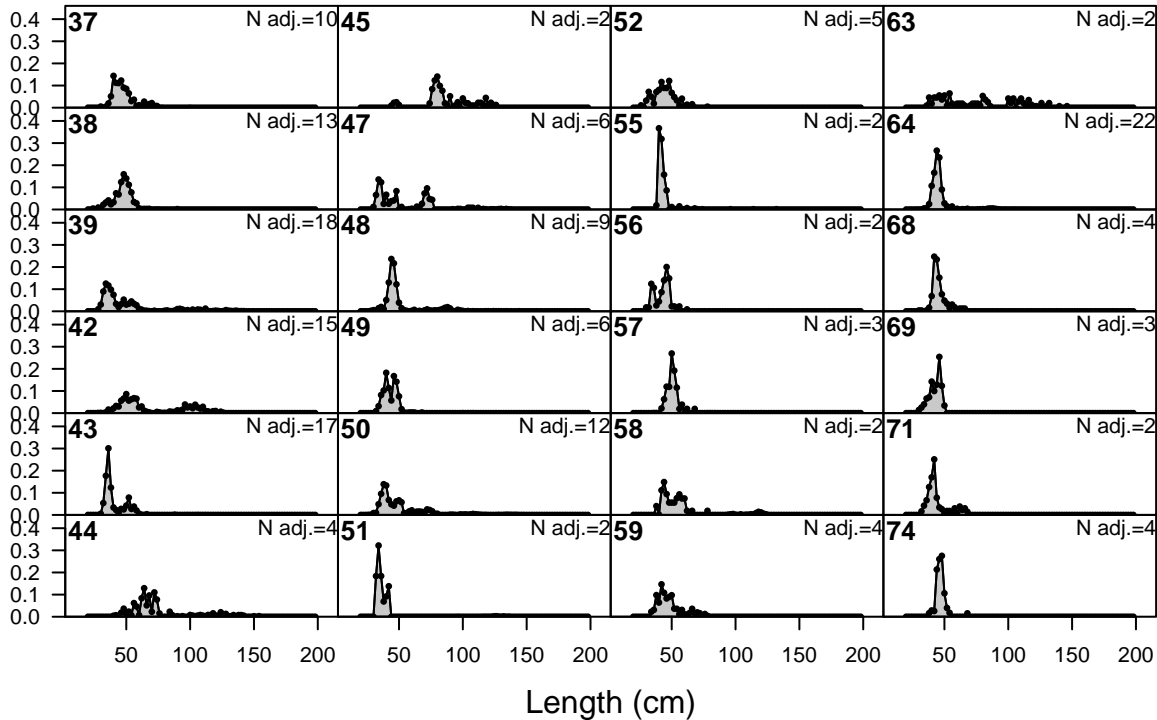


F4.OBJ.E.offshore (whole catch)

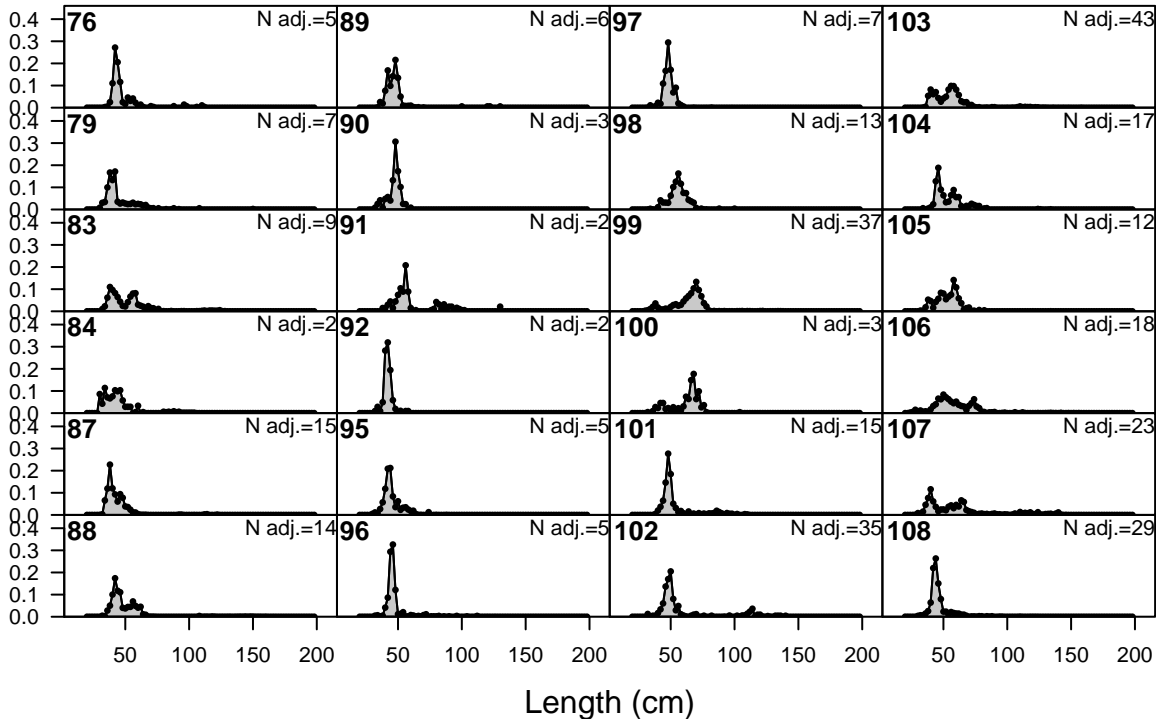
Mean length



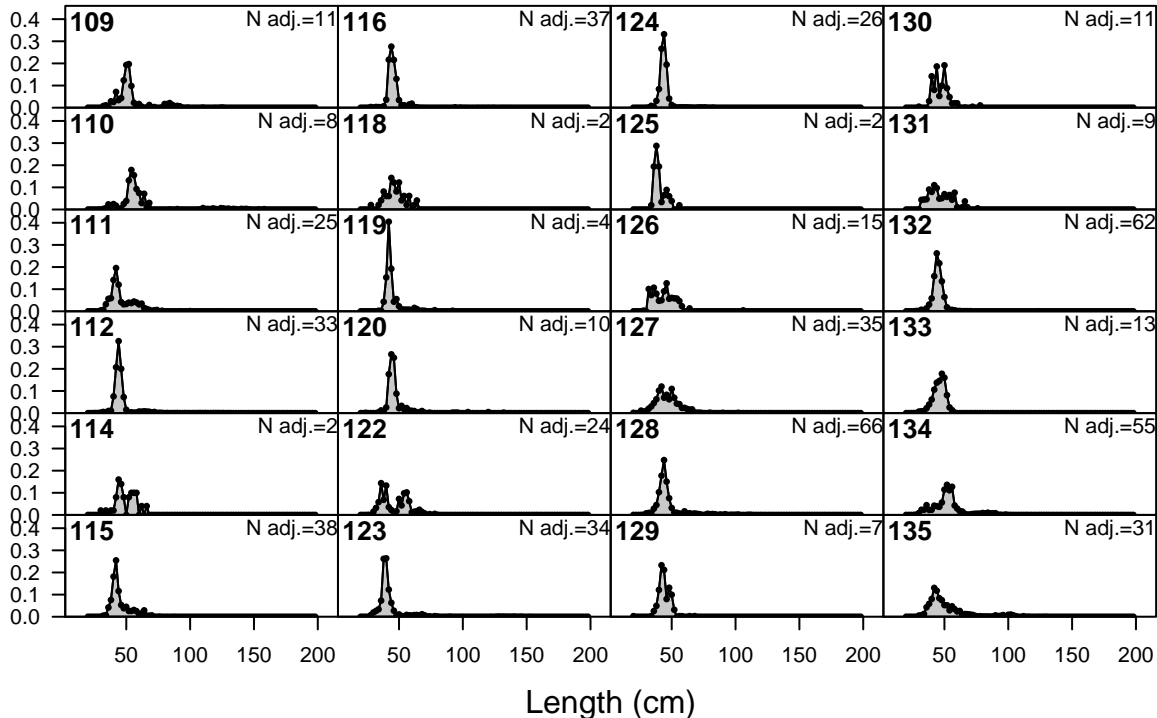
Proportion



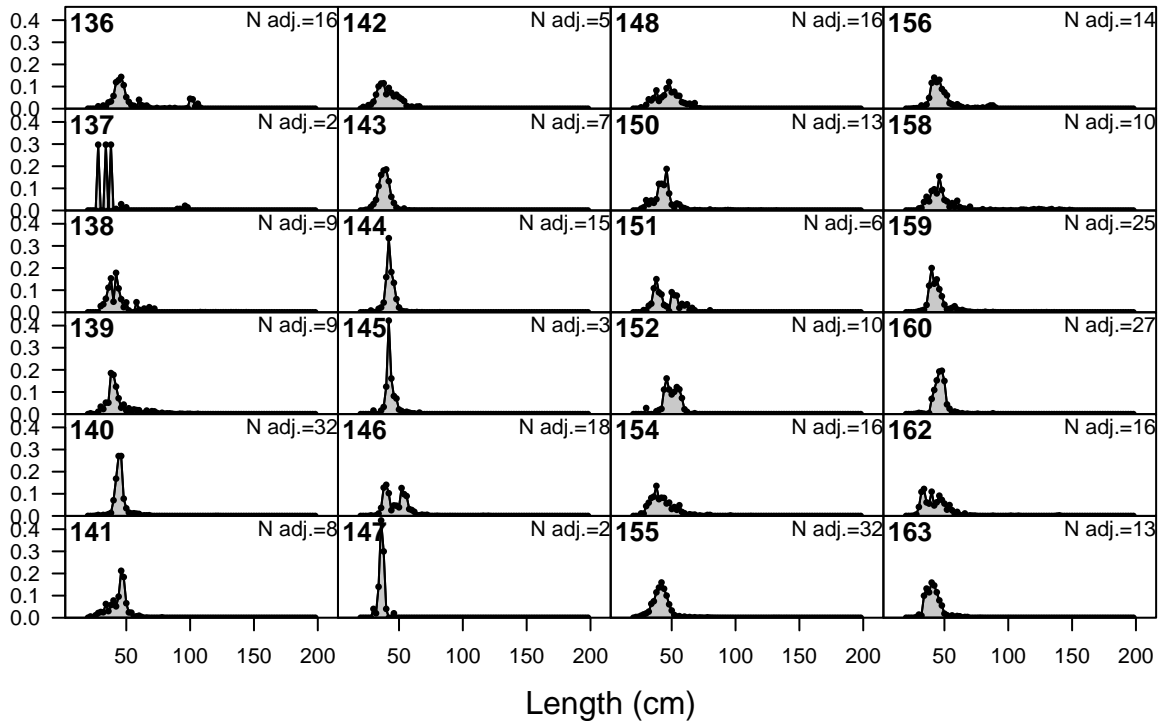
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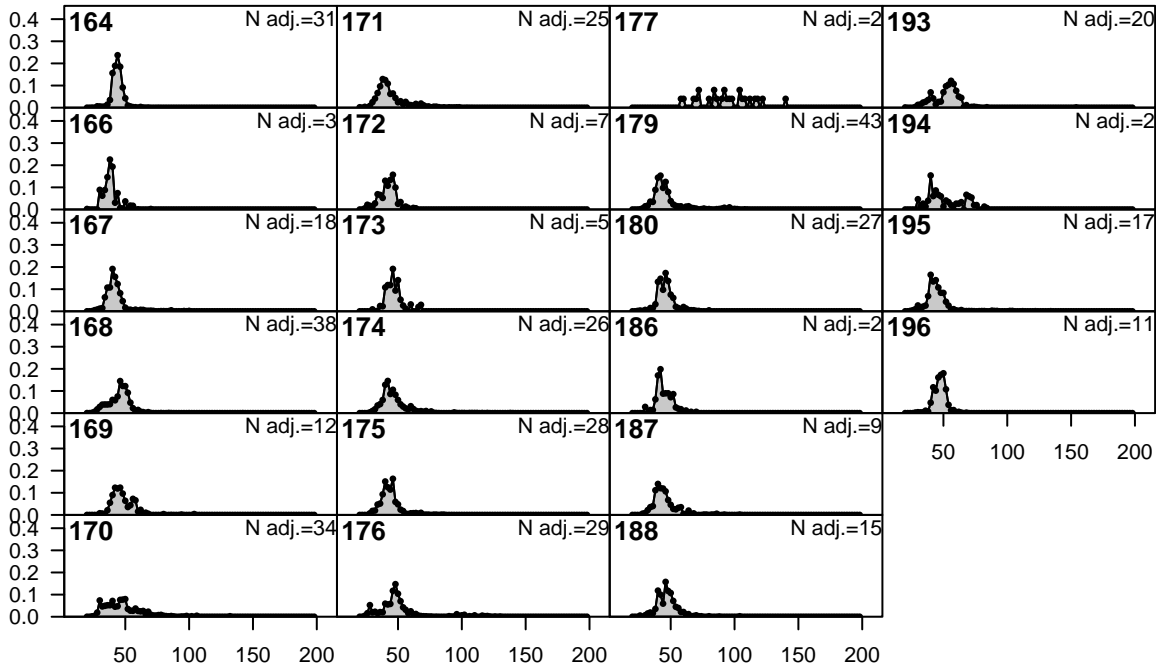
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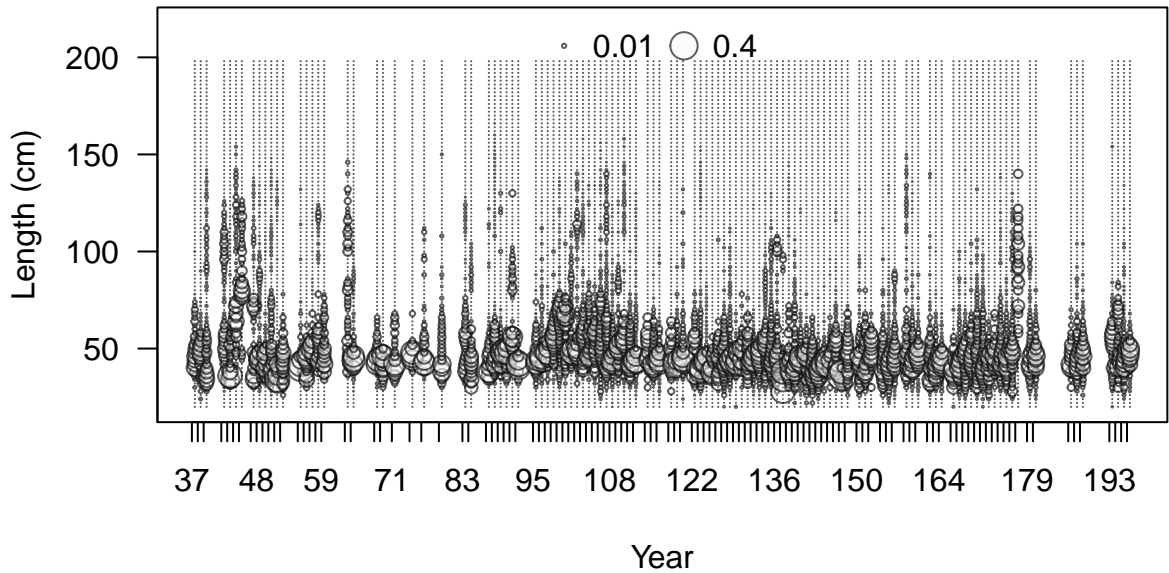
Proportion



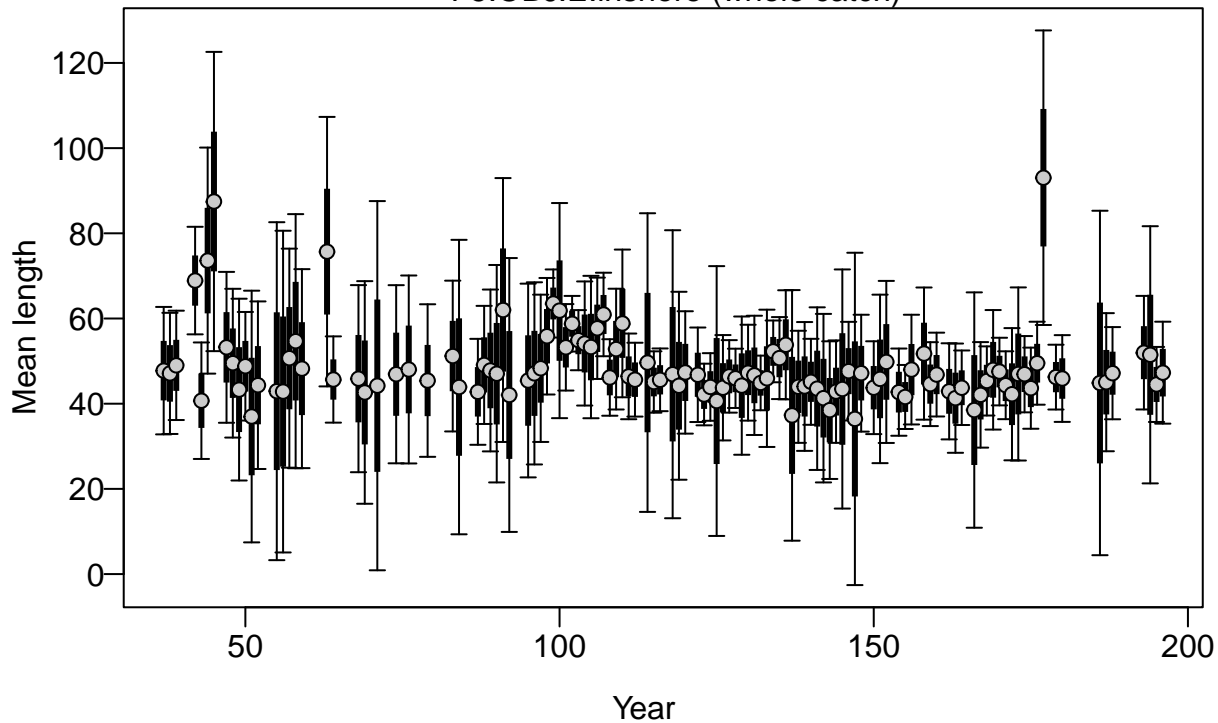
Proportion



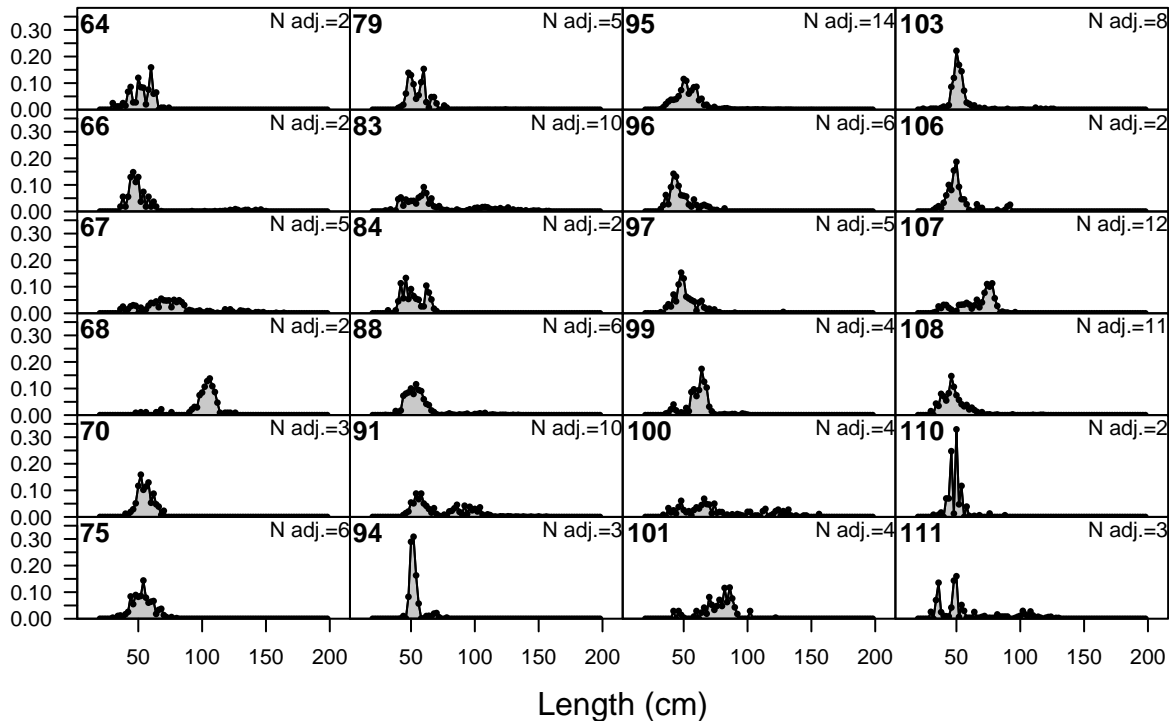
Length (cm)



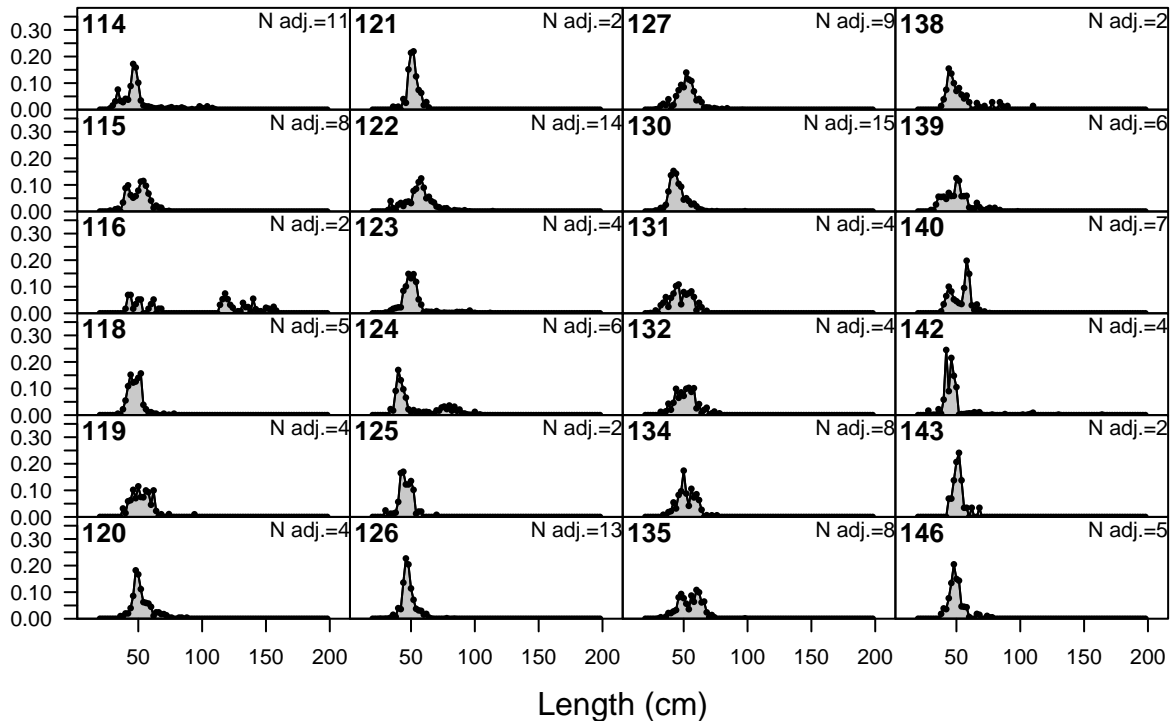
F5.OBJ.E.inshore (whole catch)



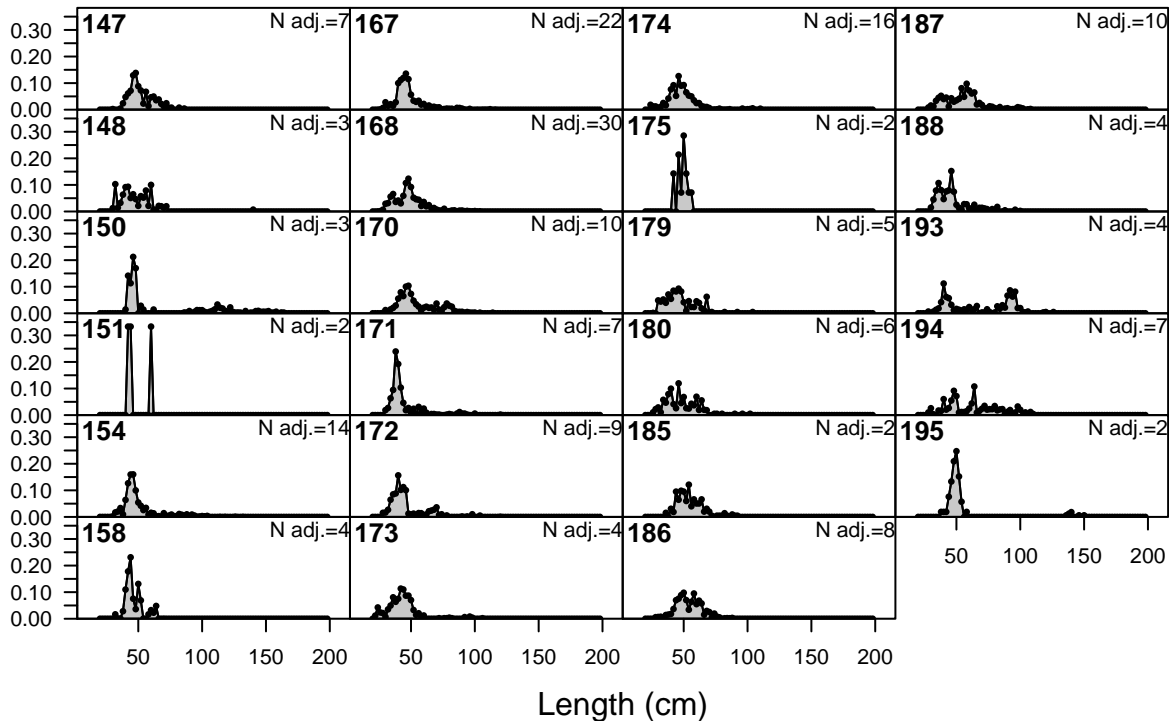
Proportion

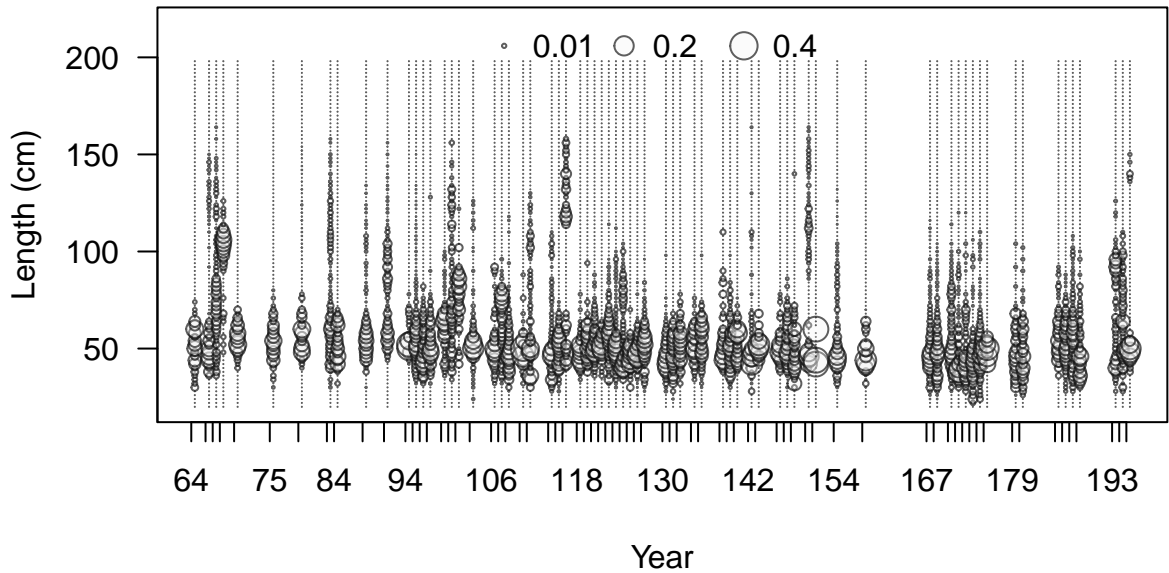


Proportion

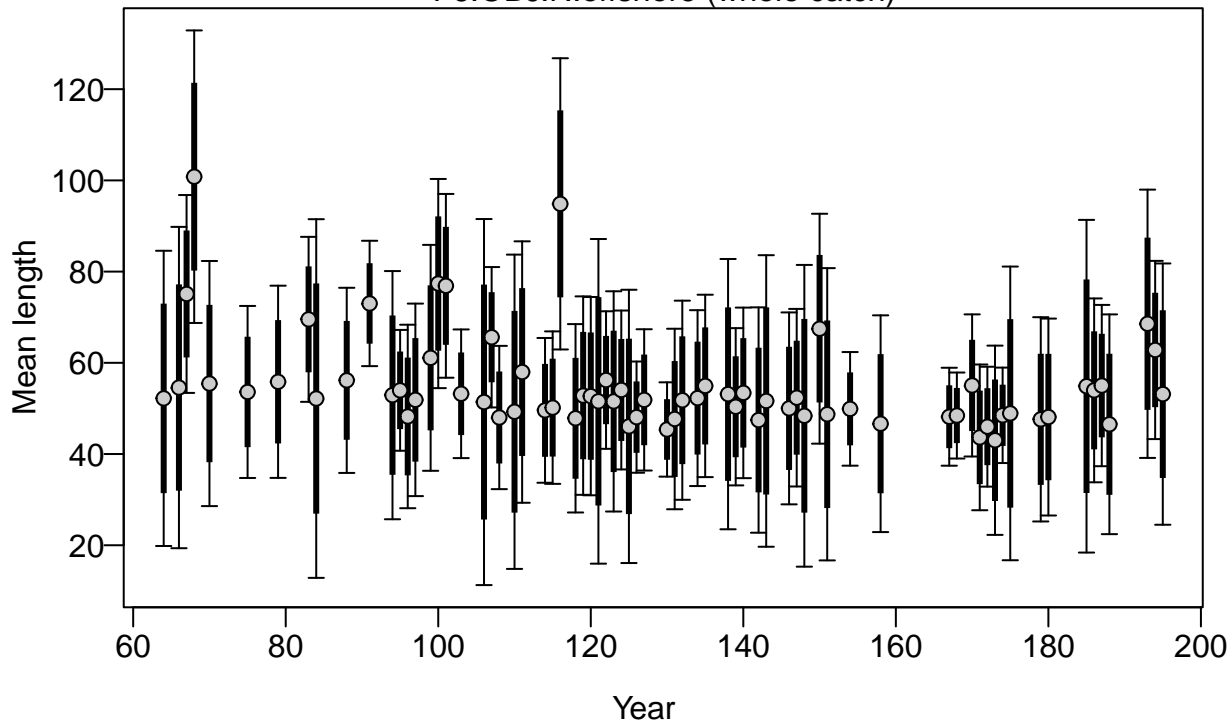


Proportion

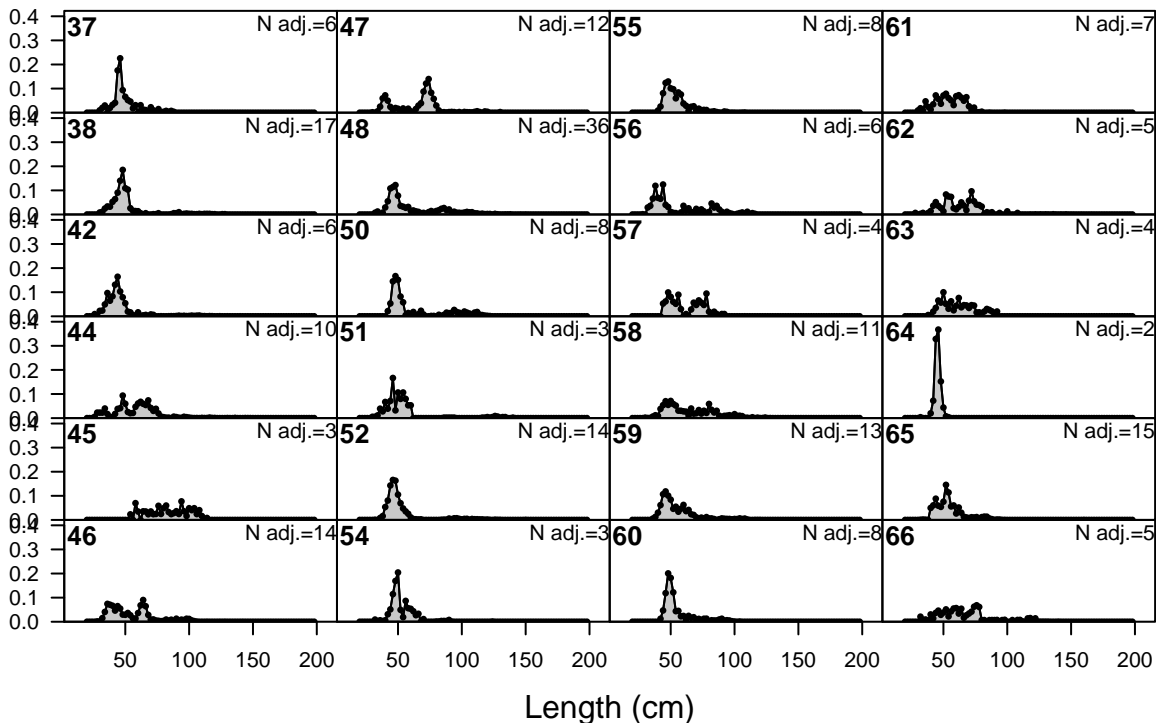




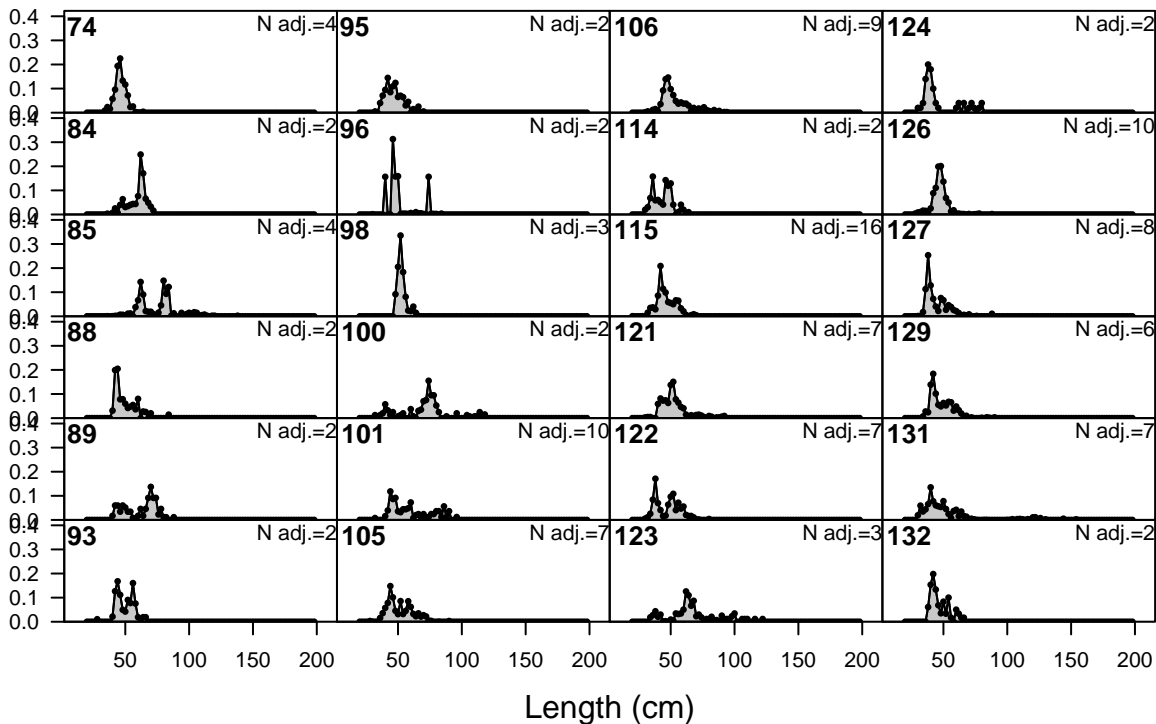
F6.OBJ.N.offshore (whole catch)



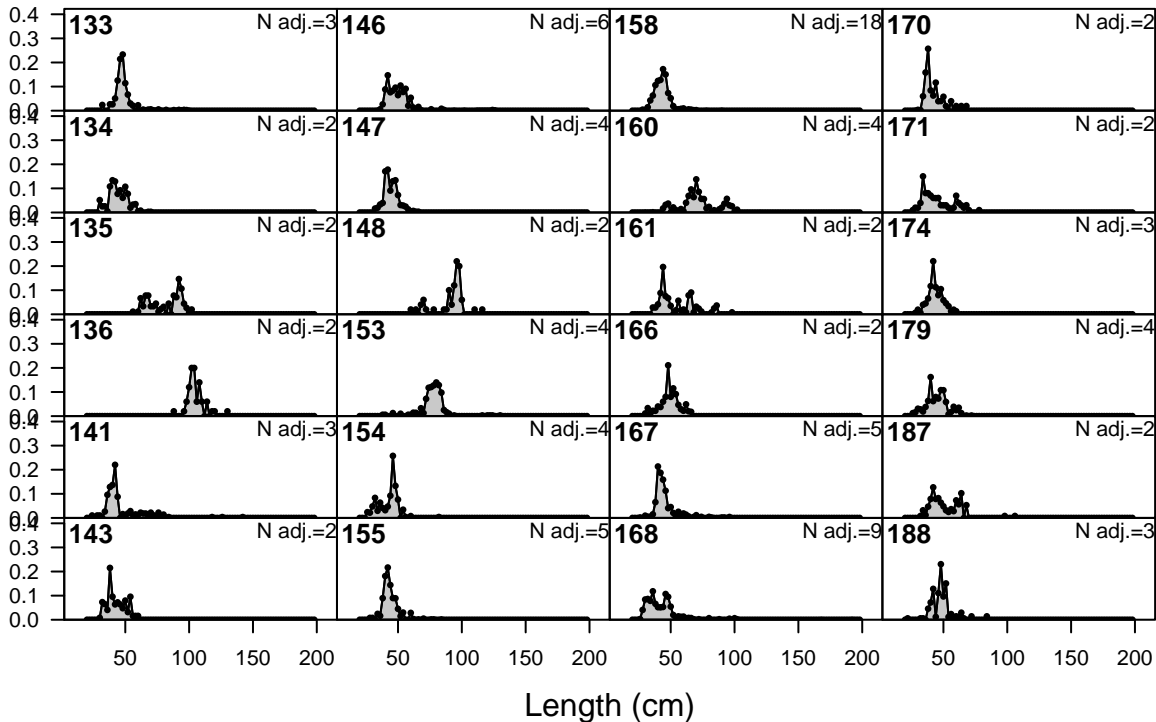
Proportion

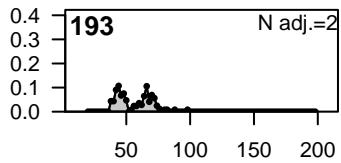


Proportion



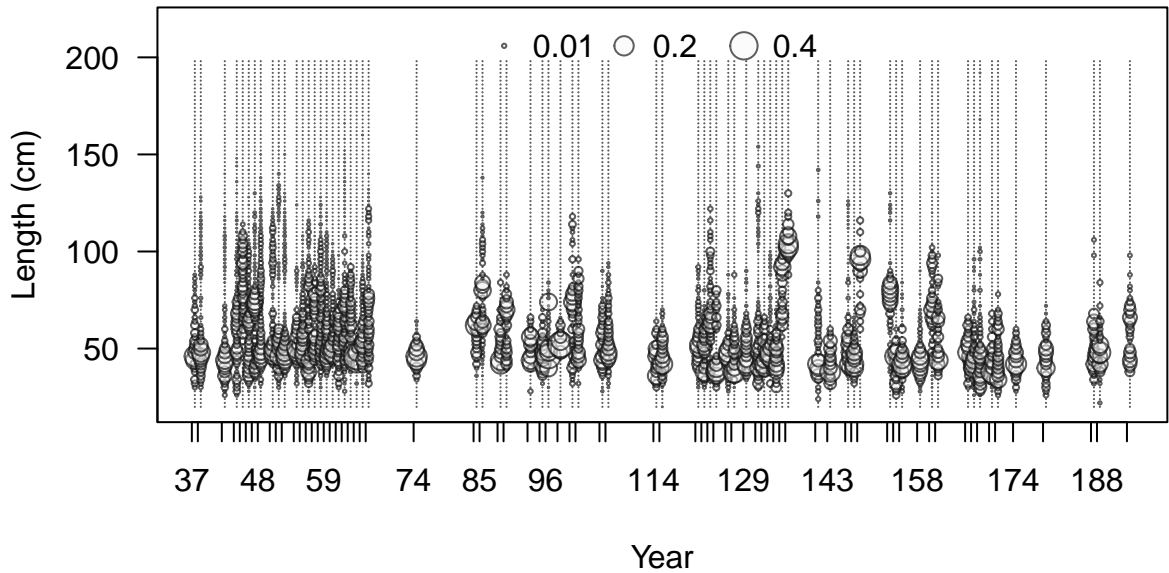
Proportion



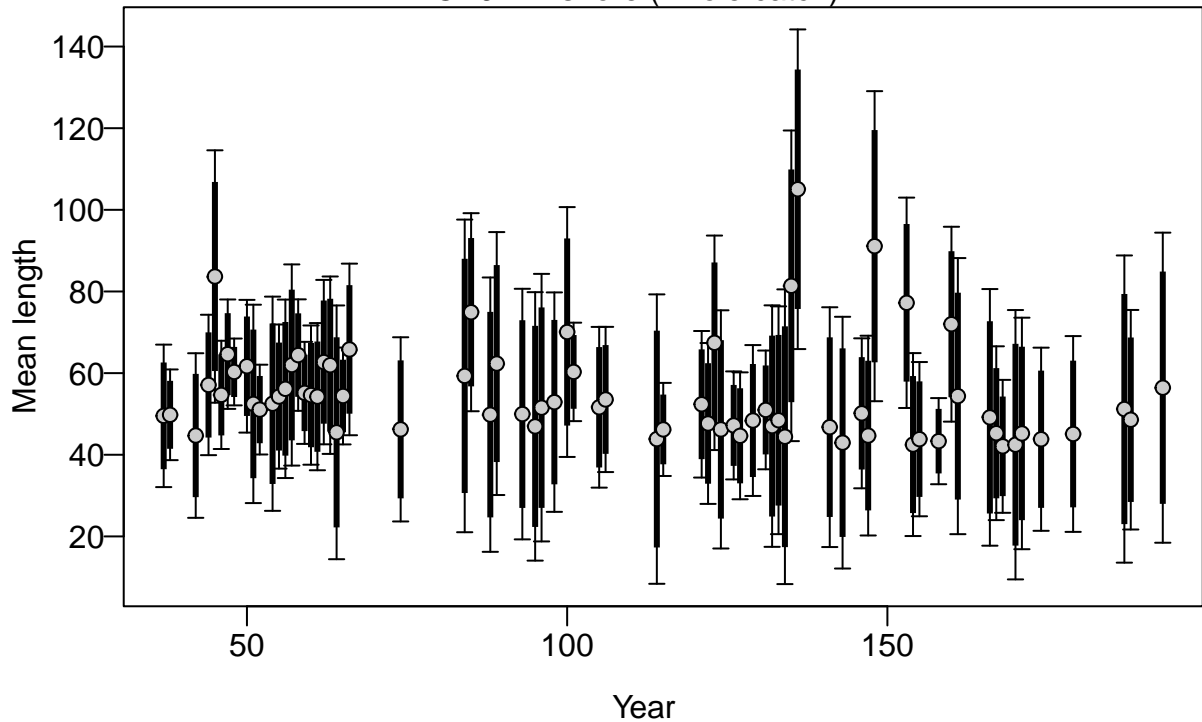


Proportion

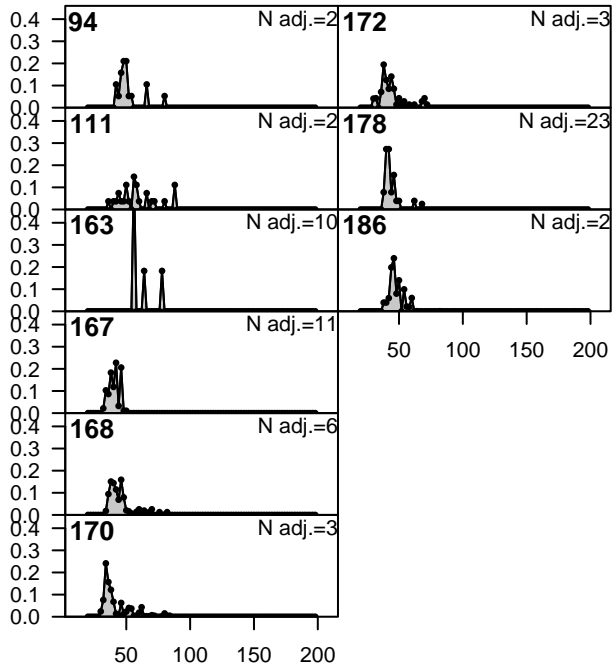
Length (cm)



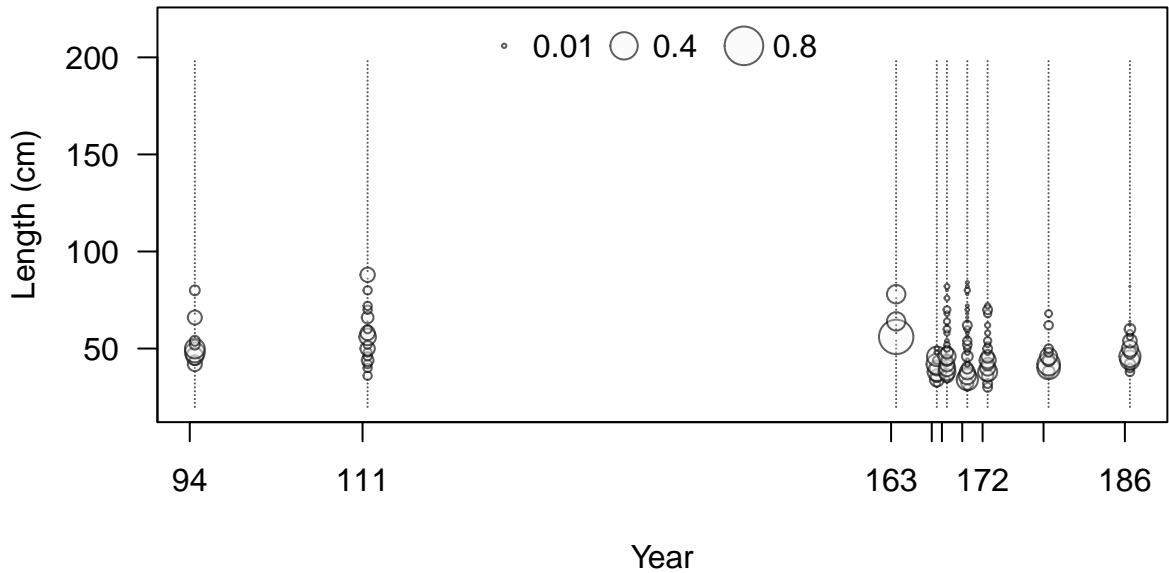
F7.OBJ.N.inshore (whole catch)



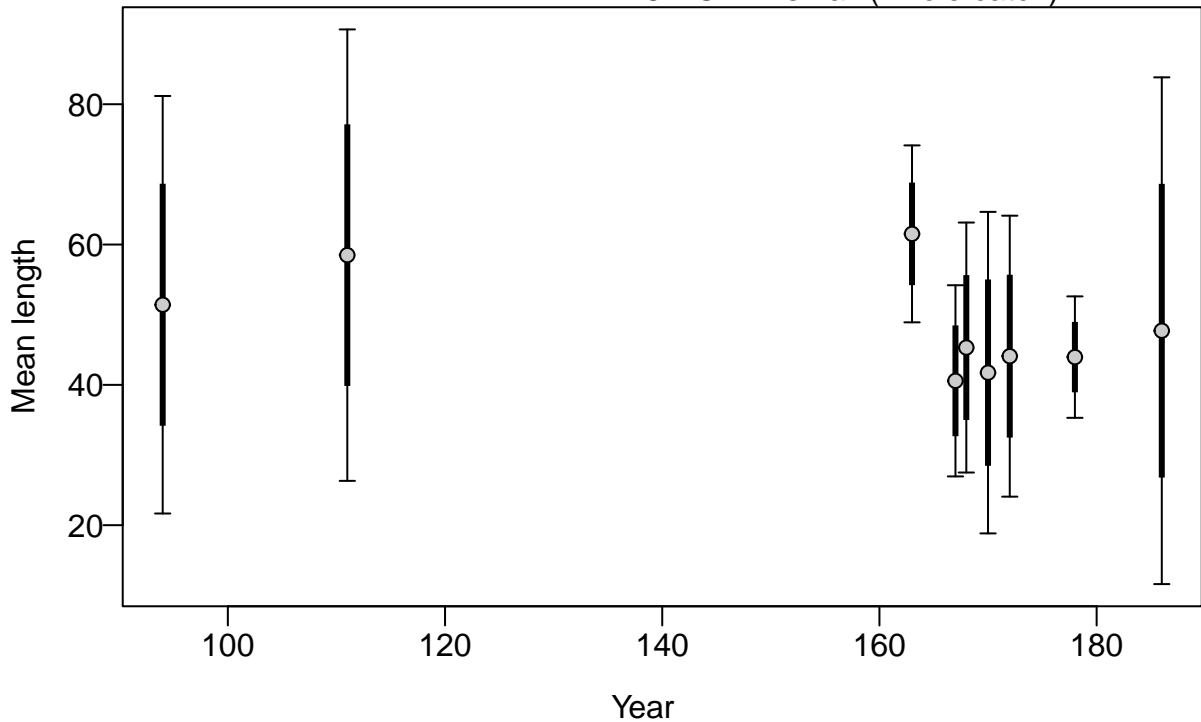
Proportion



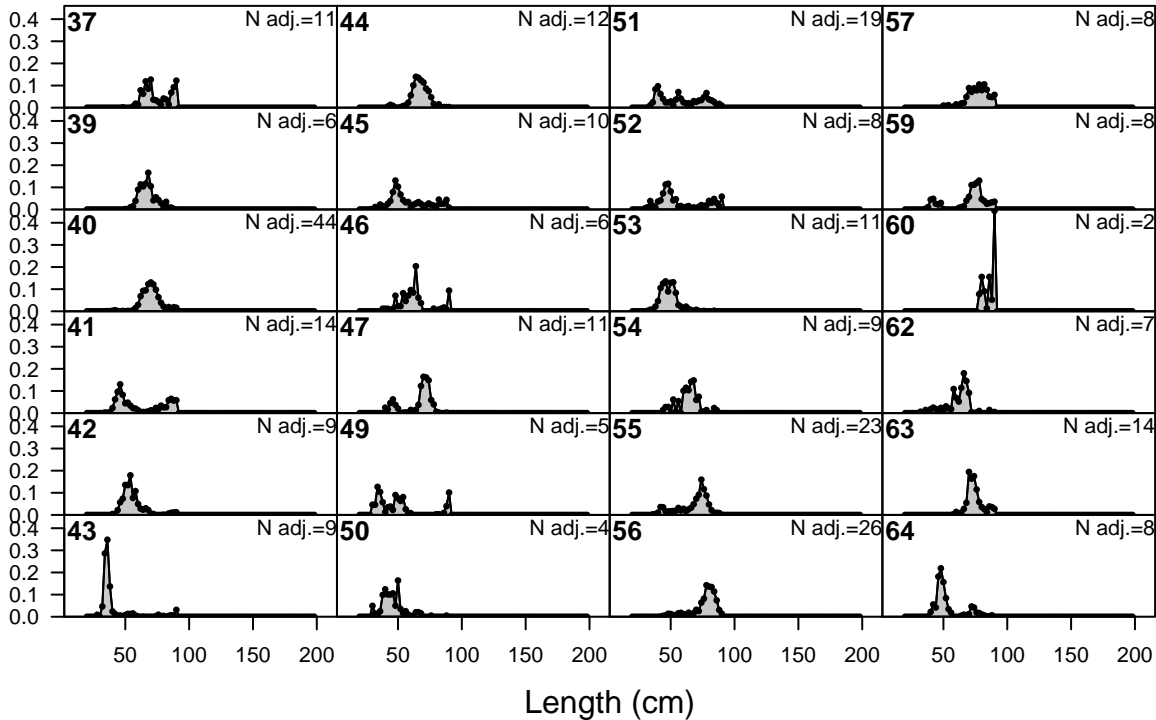
Length (cm)



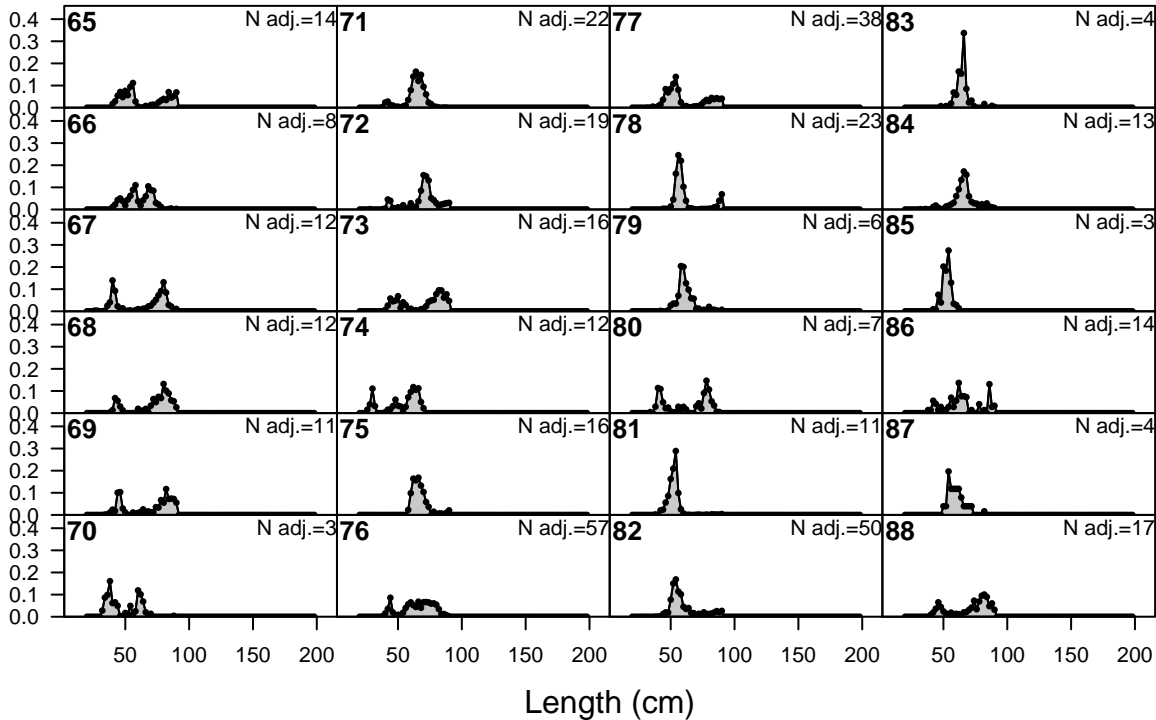
F8.NOA.W.small (whole catch)



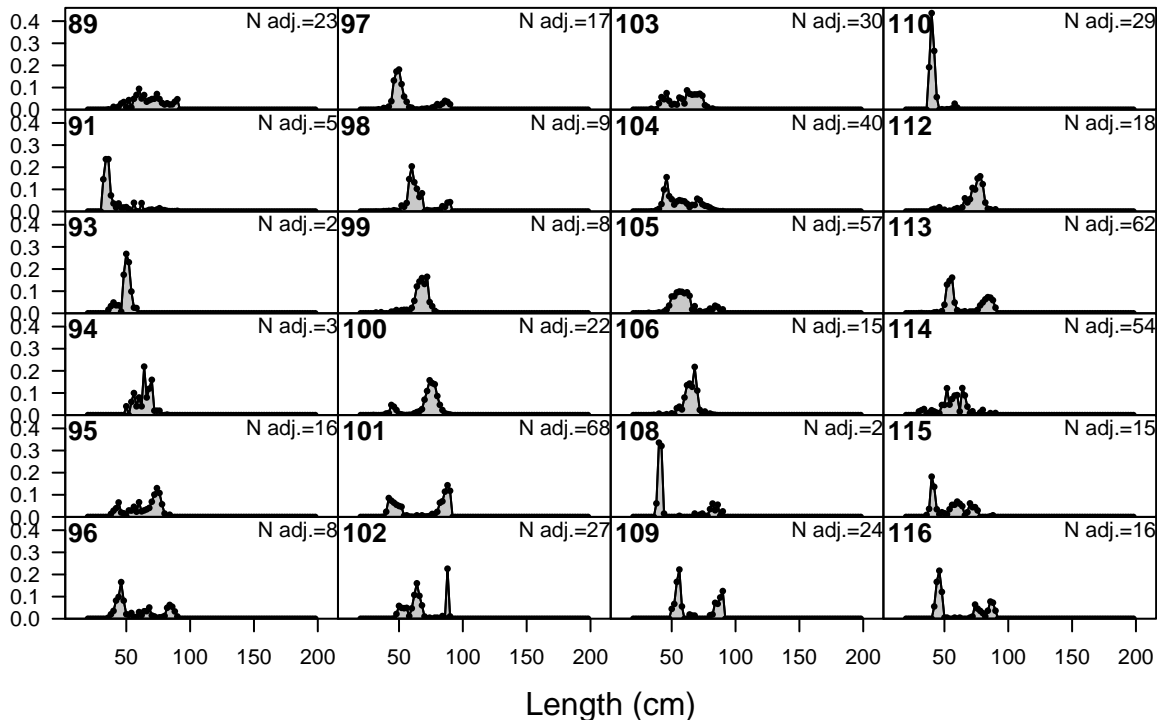
Proportion



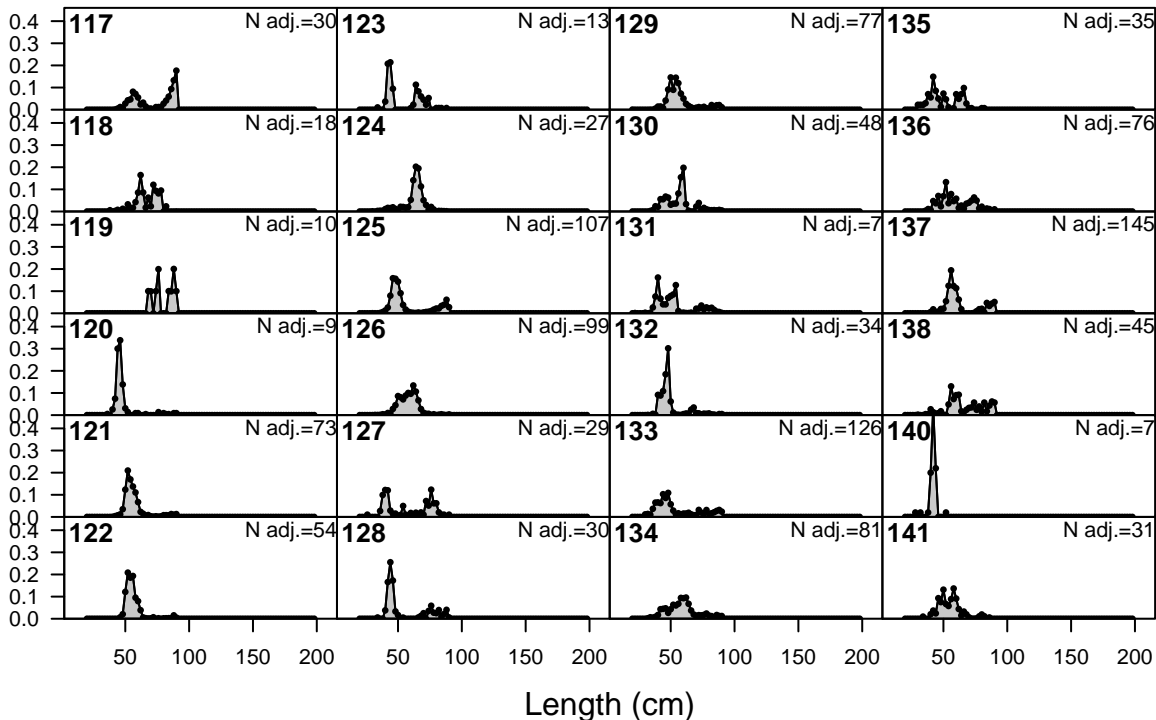
Proportion



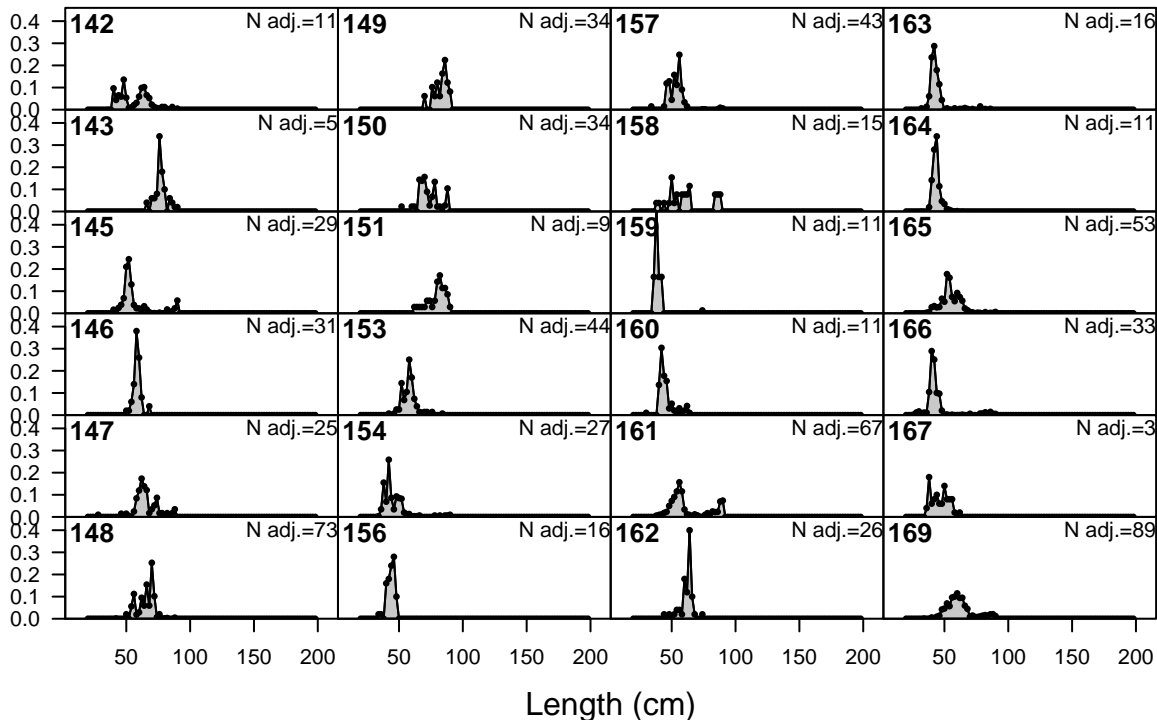
Proportion



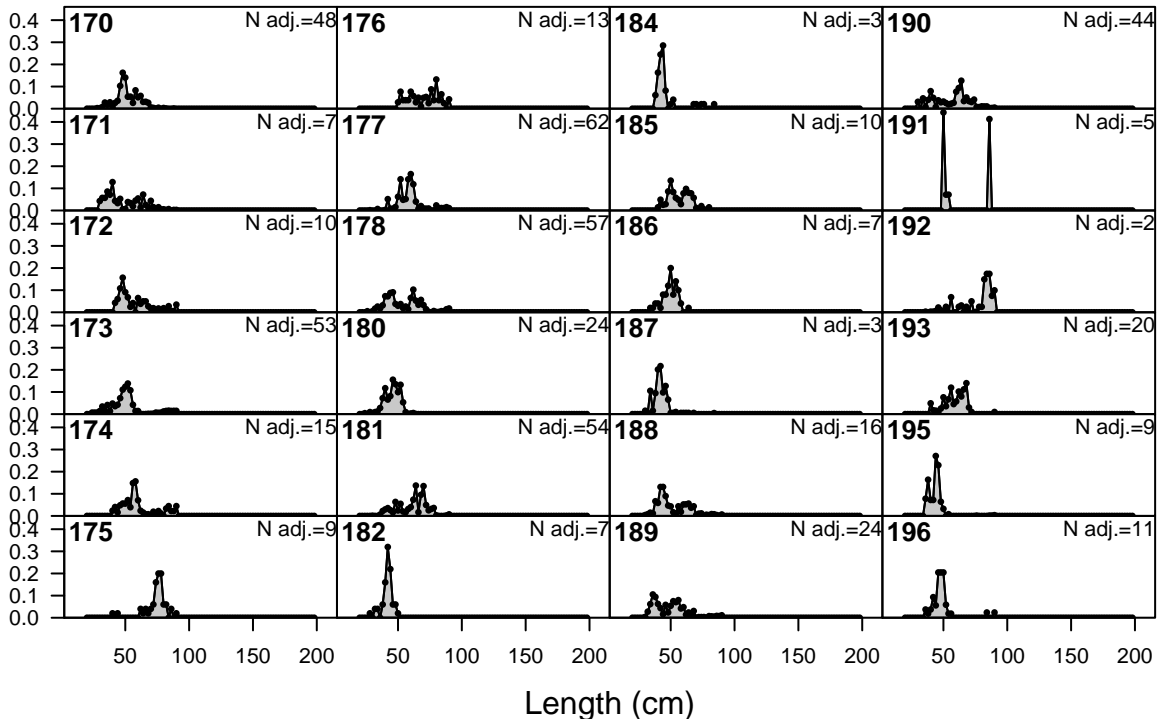
Proportion

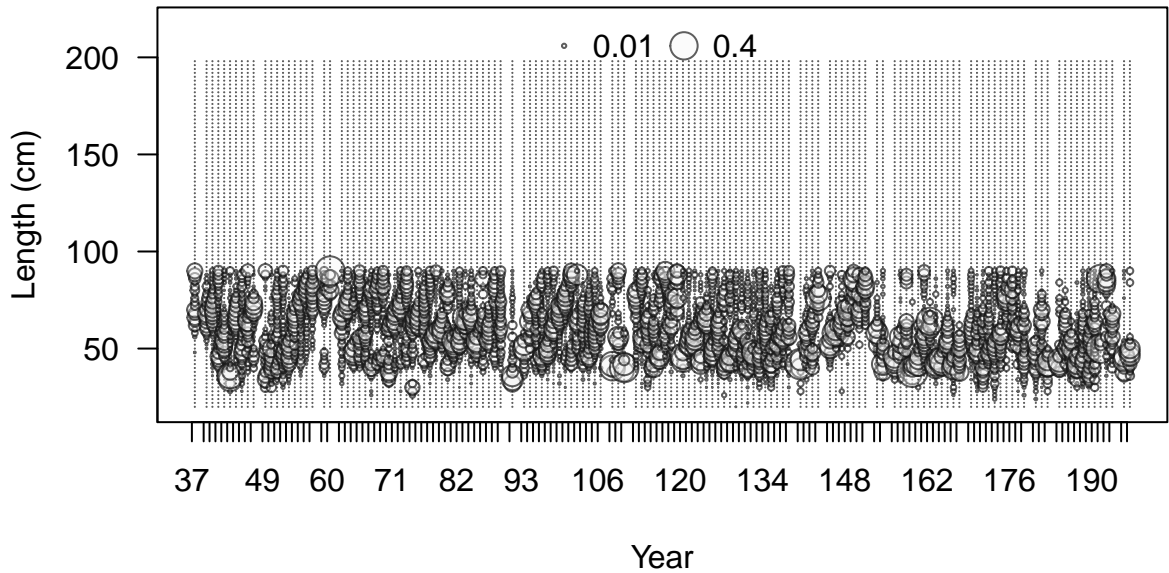


Proportion

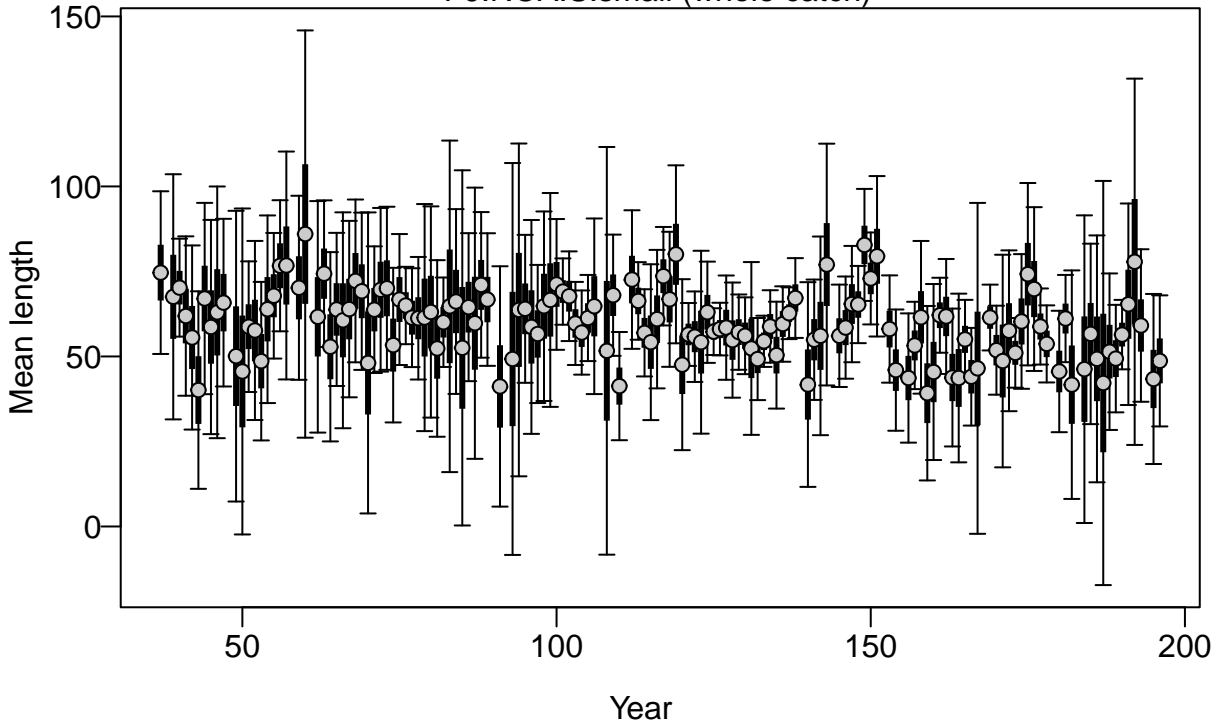


Proportion

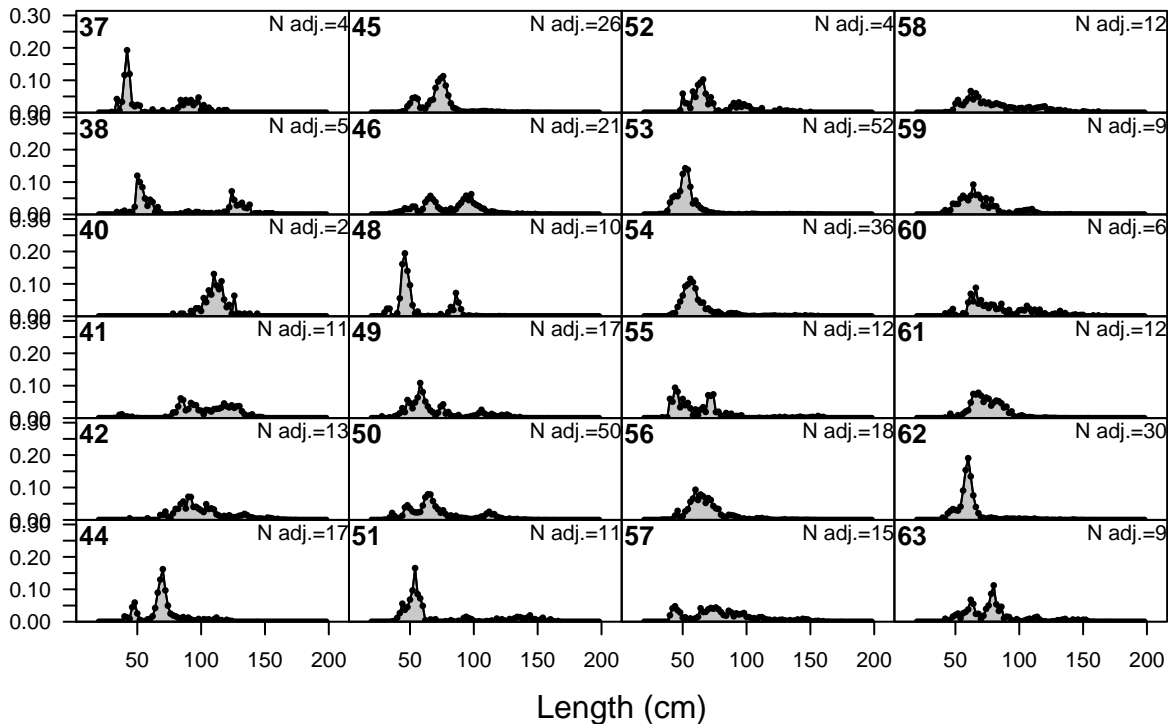




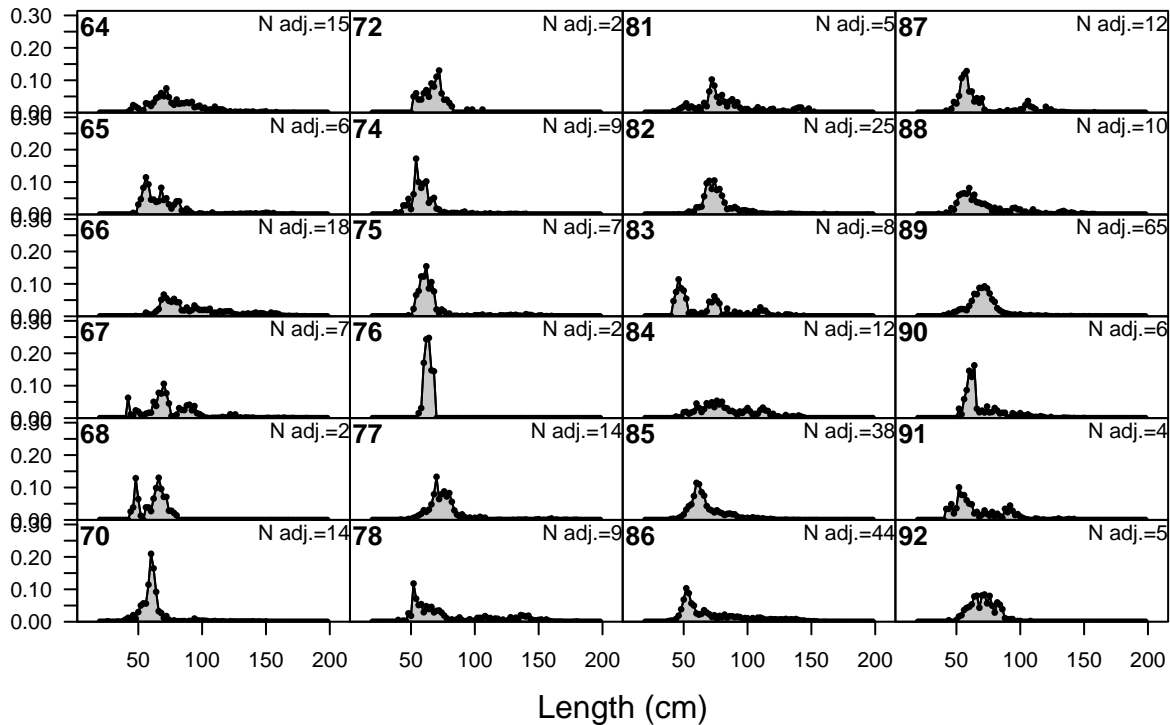
F9.NOA.S.small (whole catch)



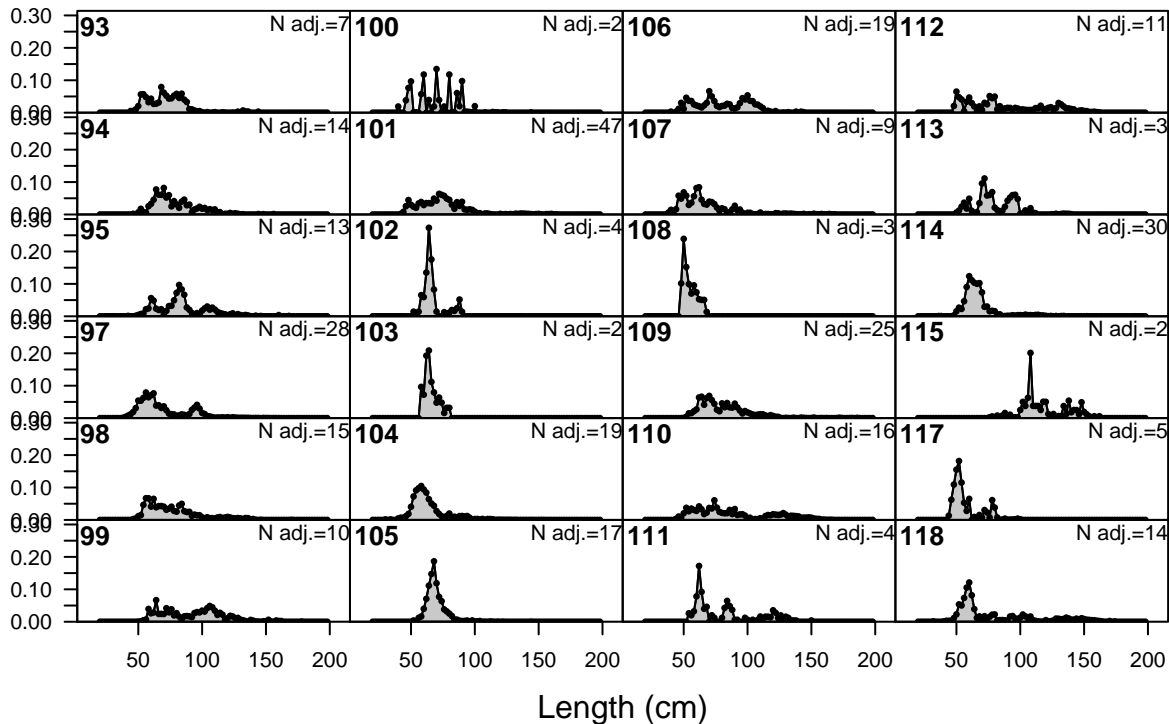
Proportion



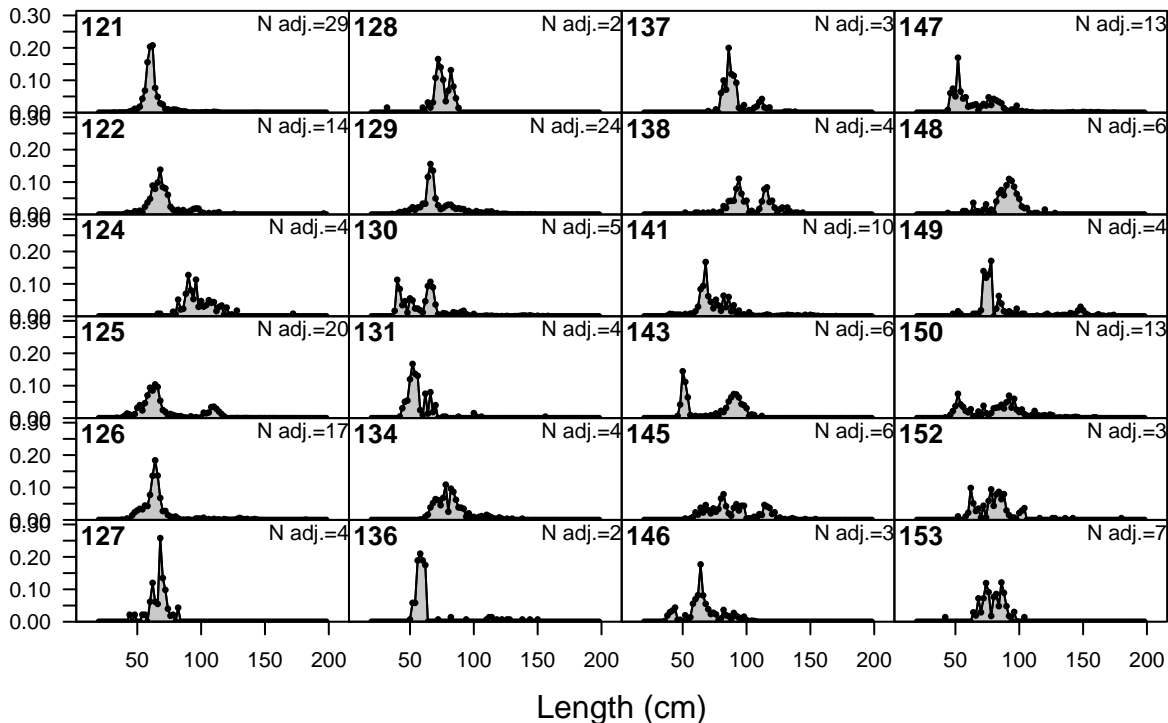
Proportion



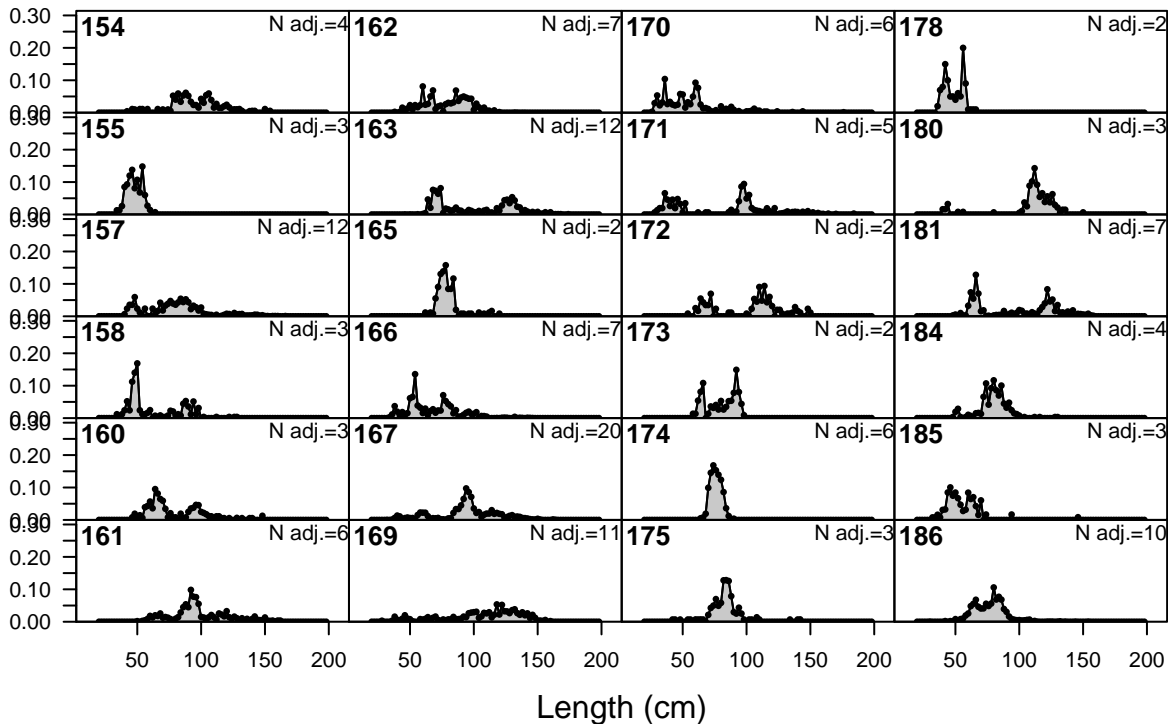
Proportion

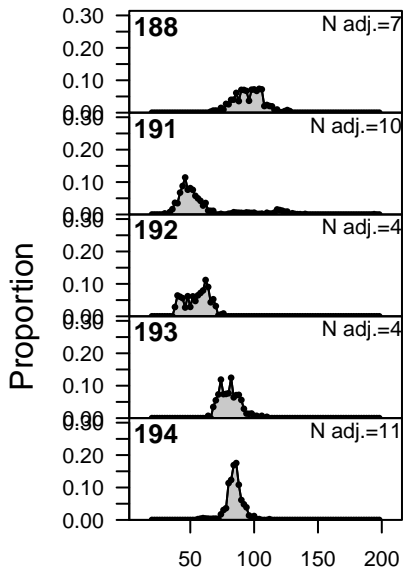


Proportion

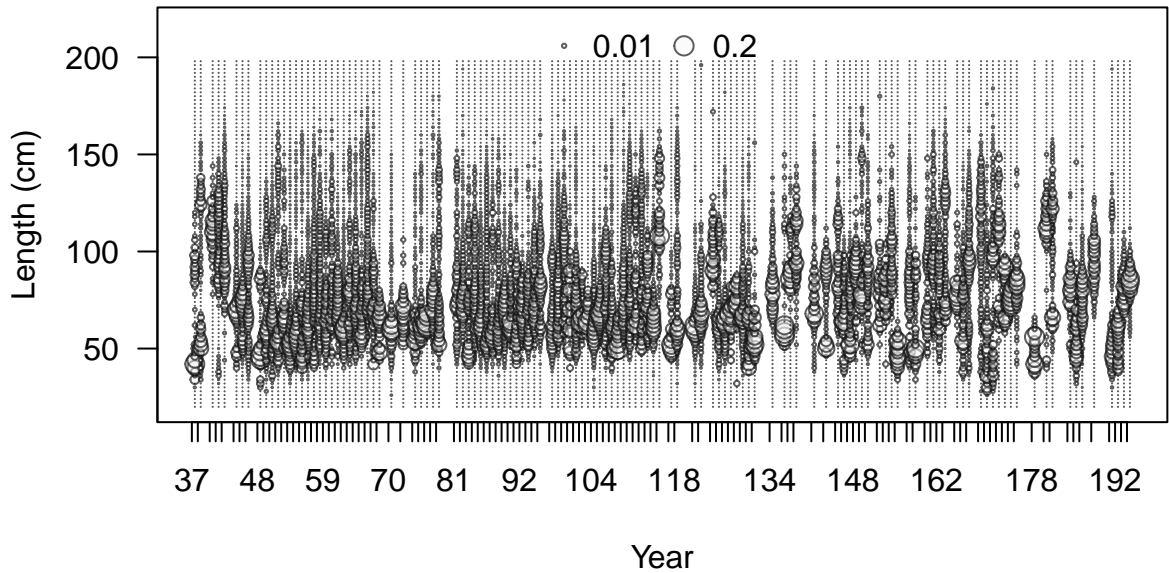


Proportion

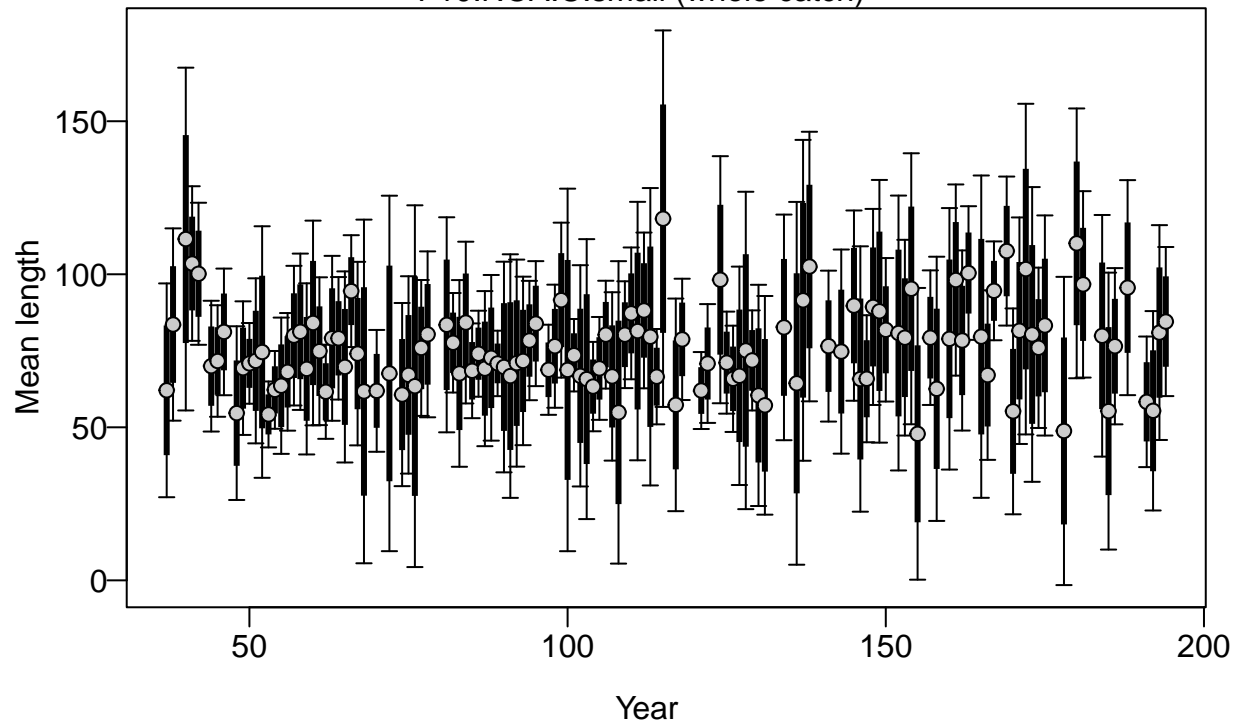




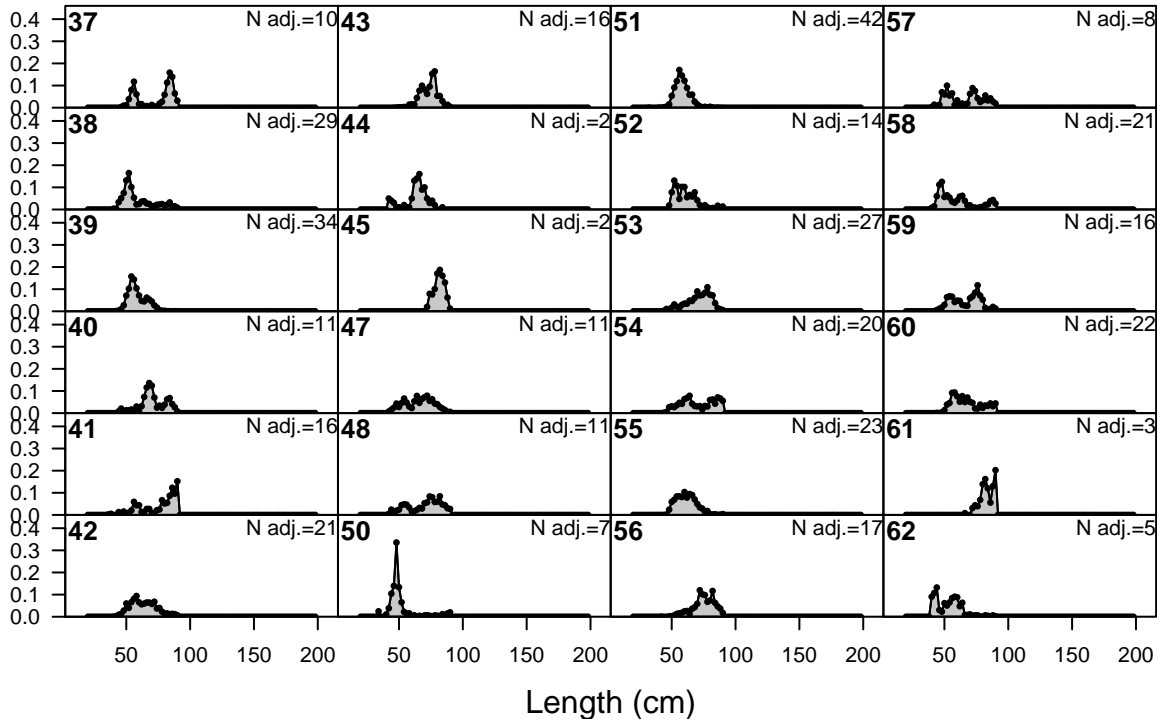
Length (cm)



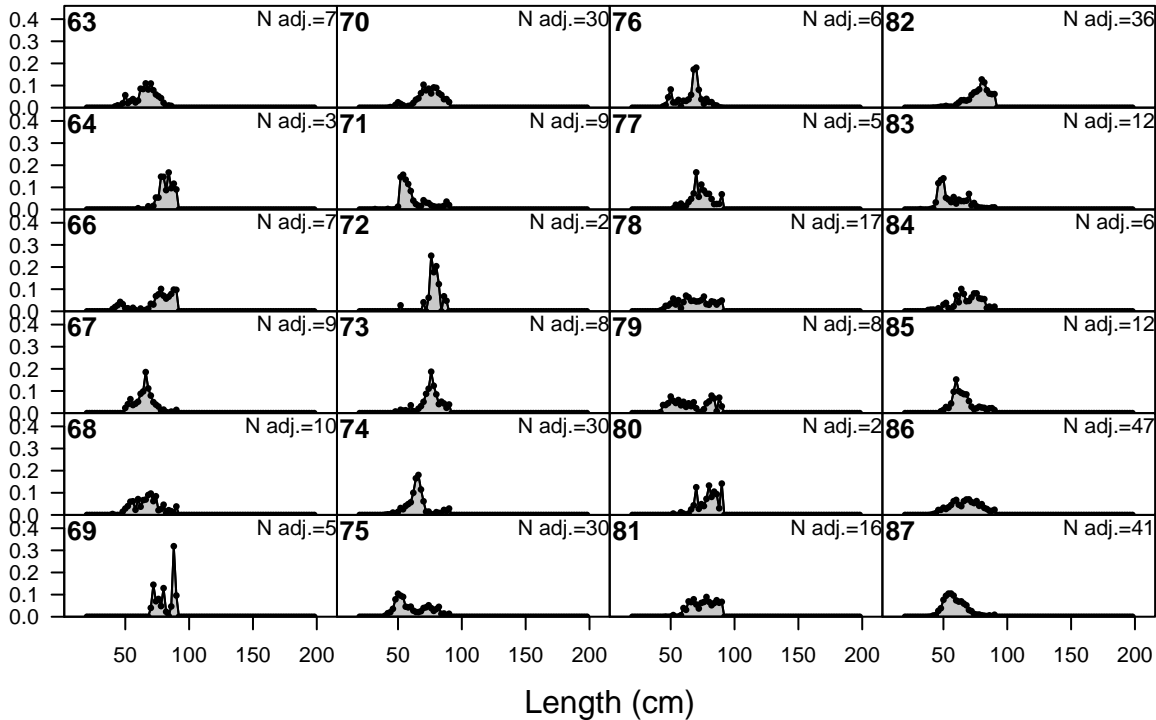
F10.NOA.C.small (whole catch)



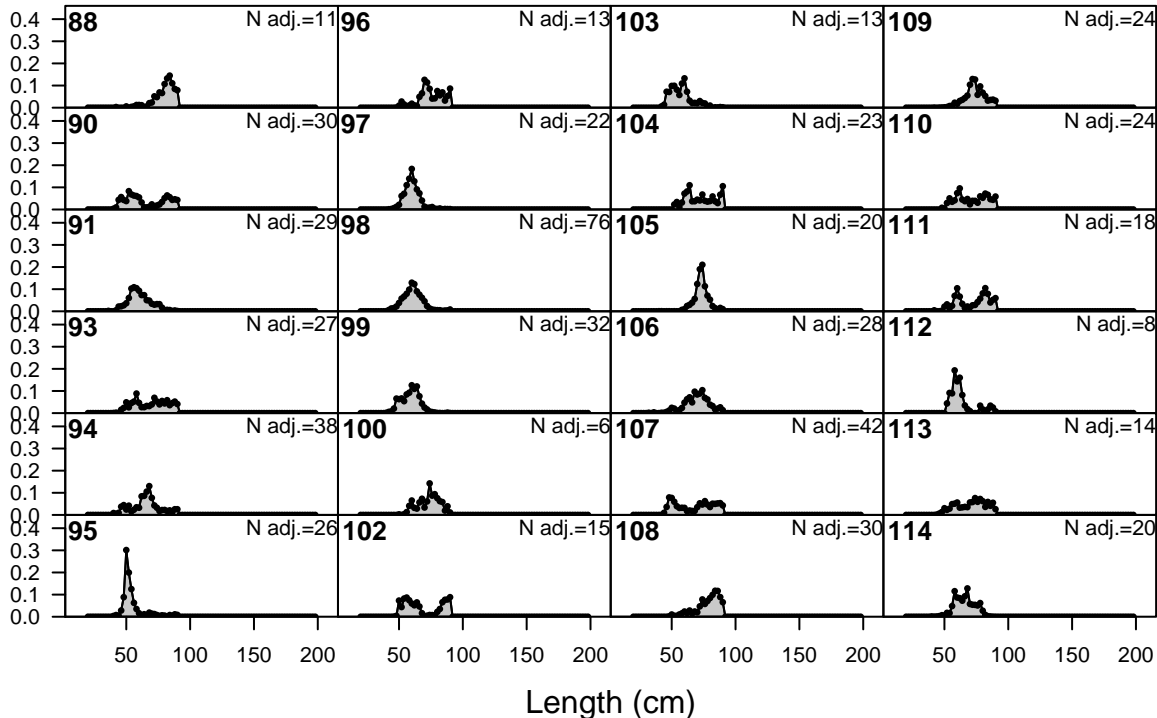
Proportion



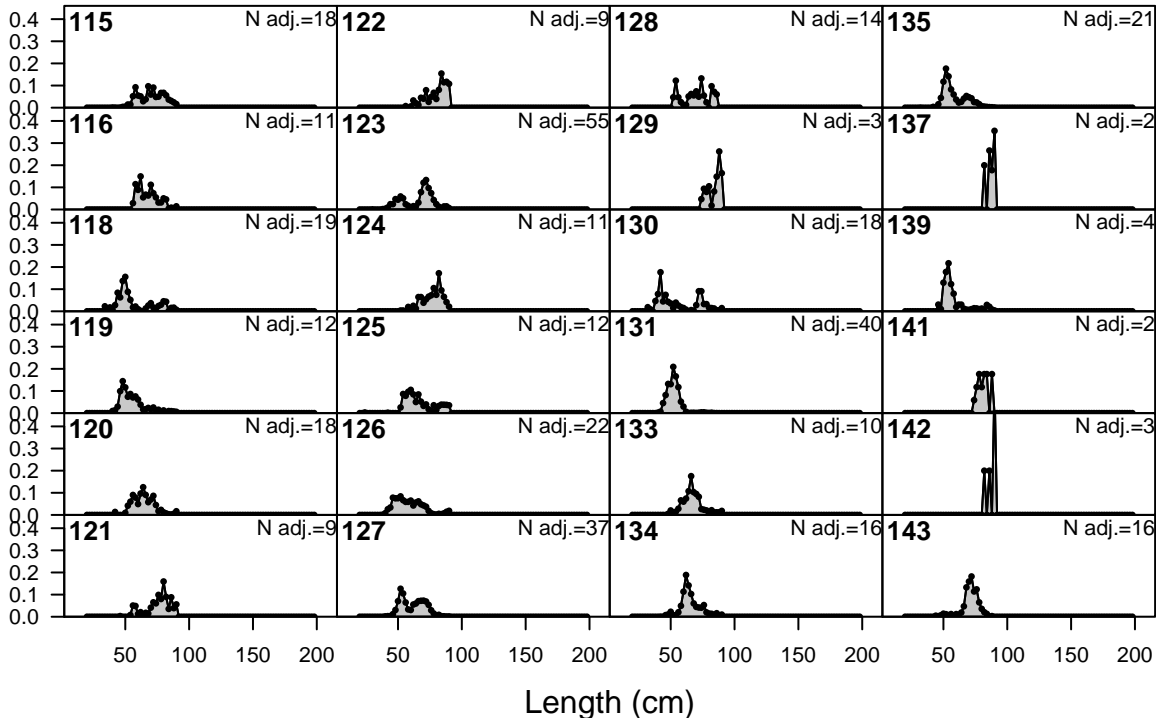
Proportion



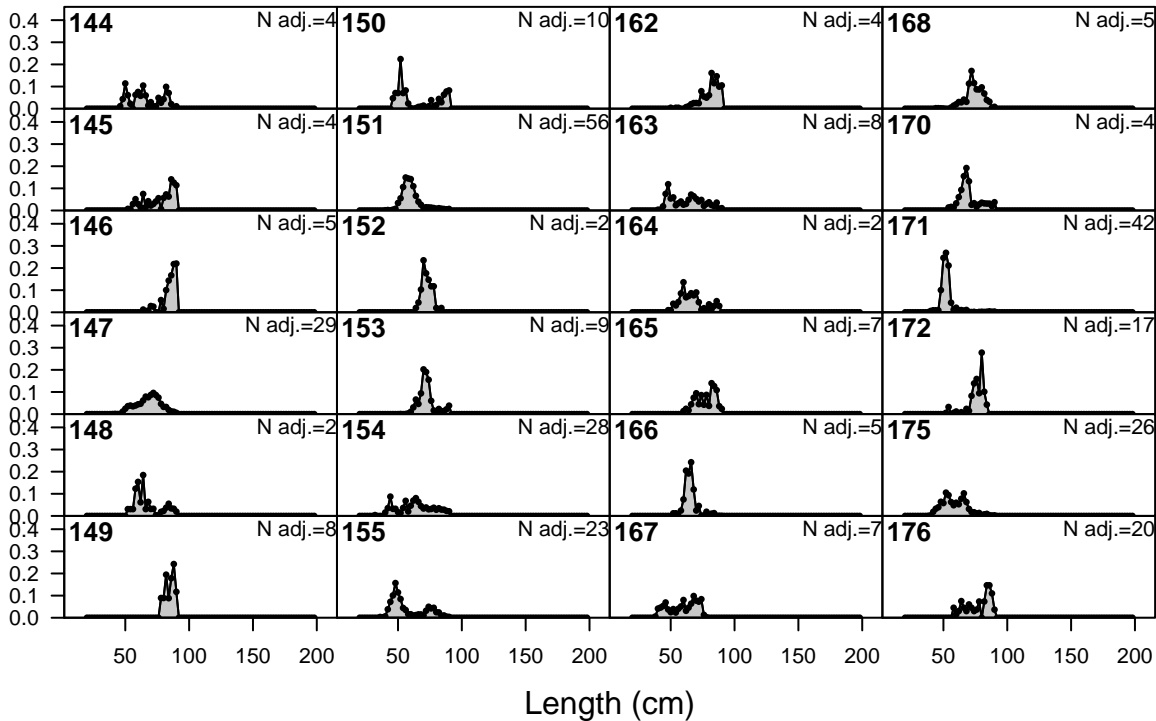
Proportion



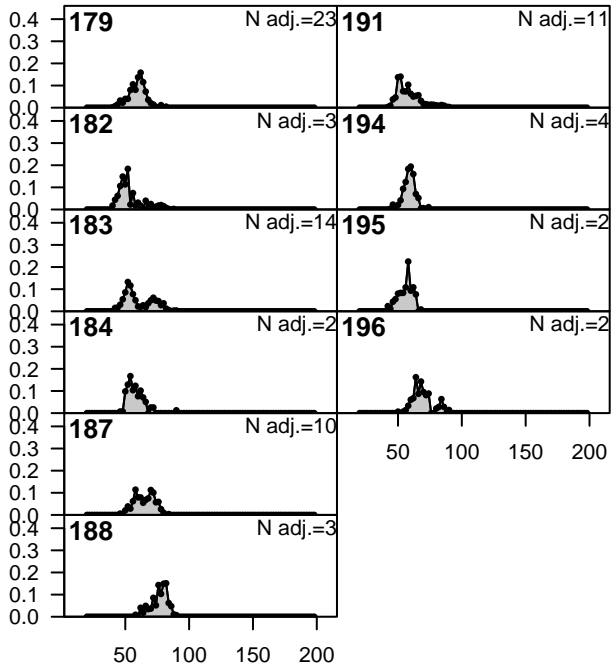
Proportion



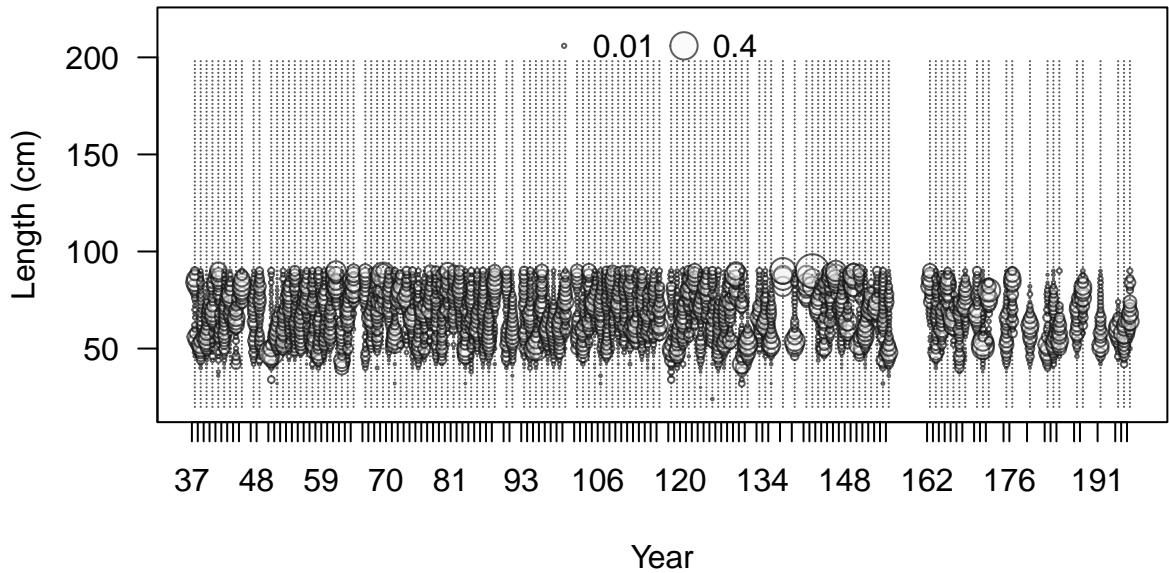
Proportion



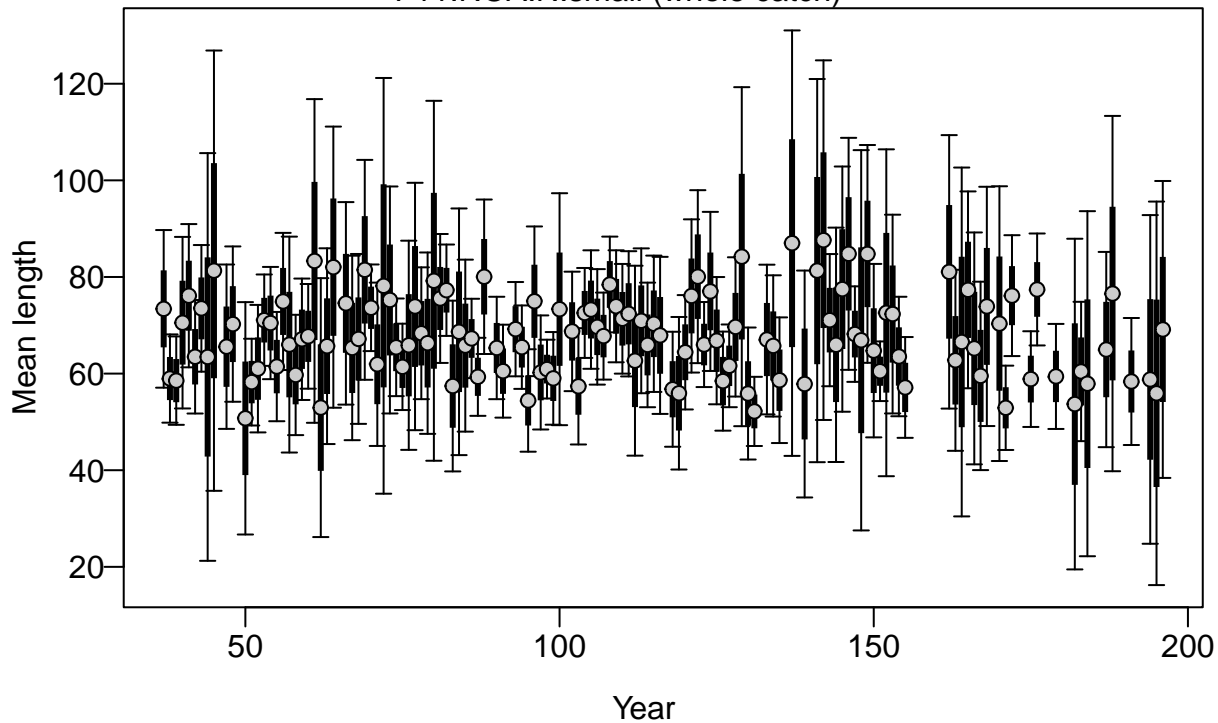
Proportion



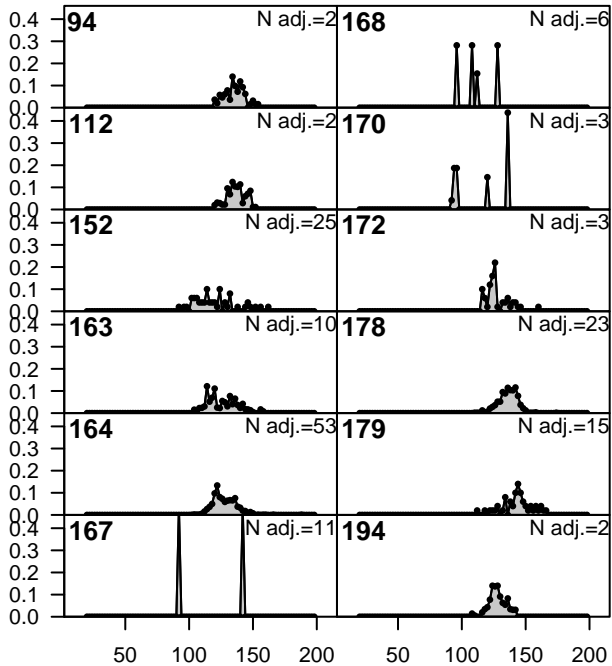
Length (cm)



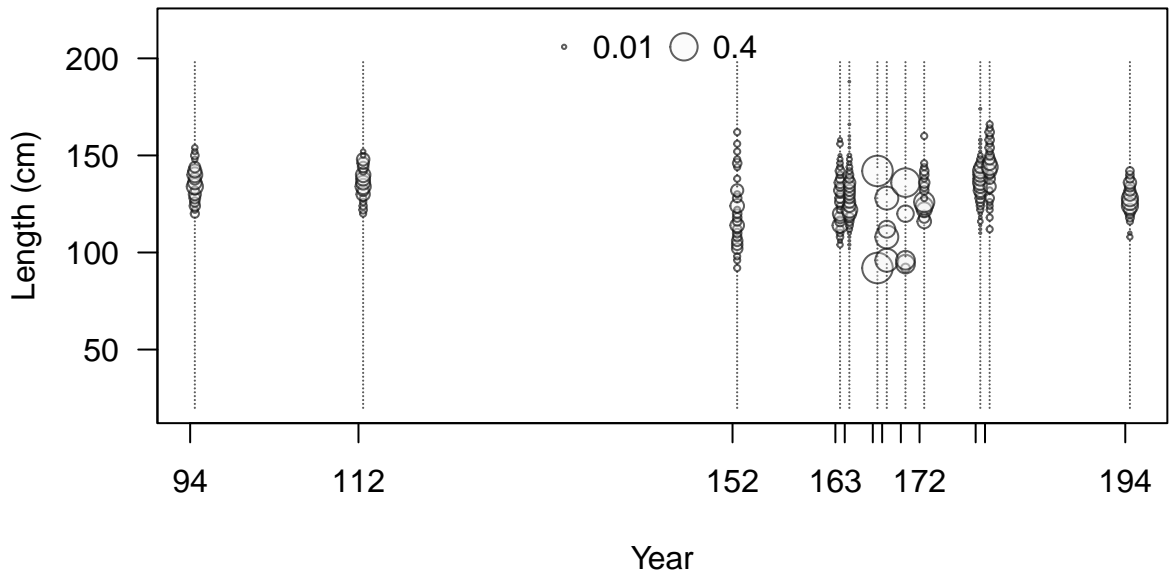
F11.NOA.N.small (whole catch)



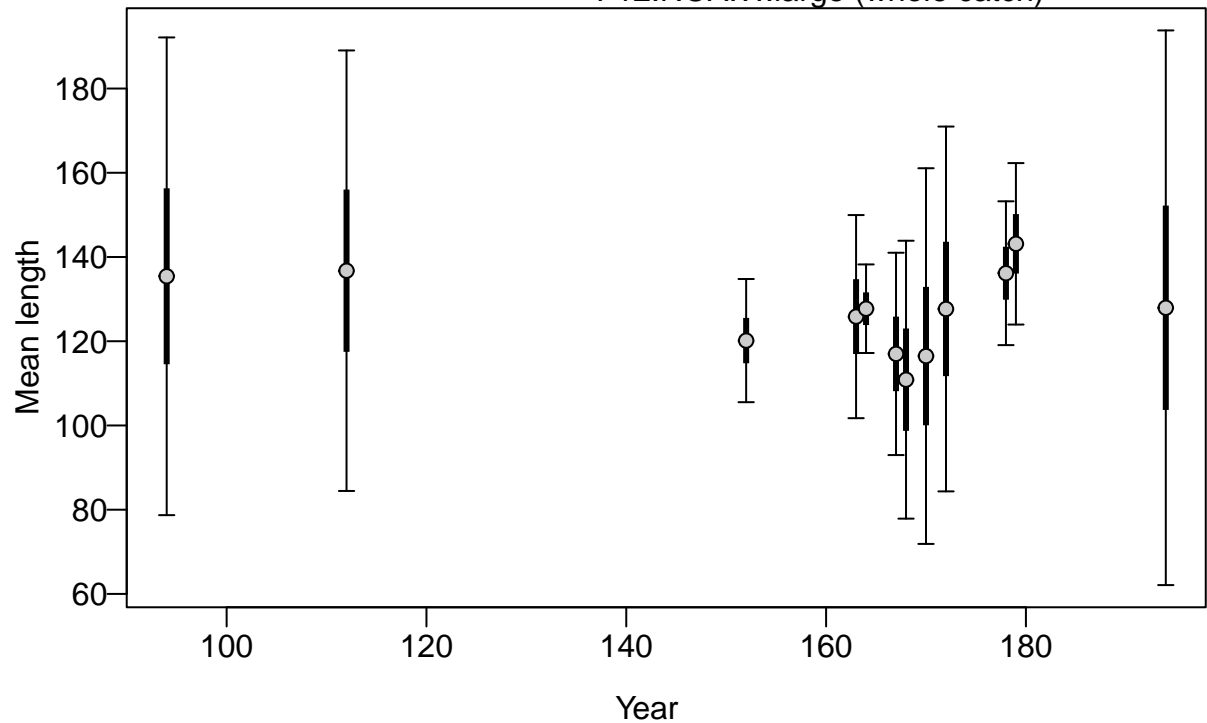
Proportion



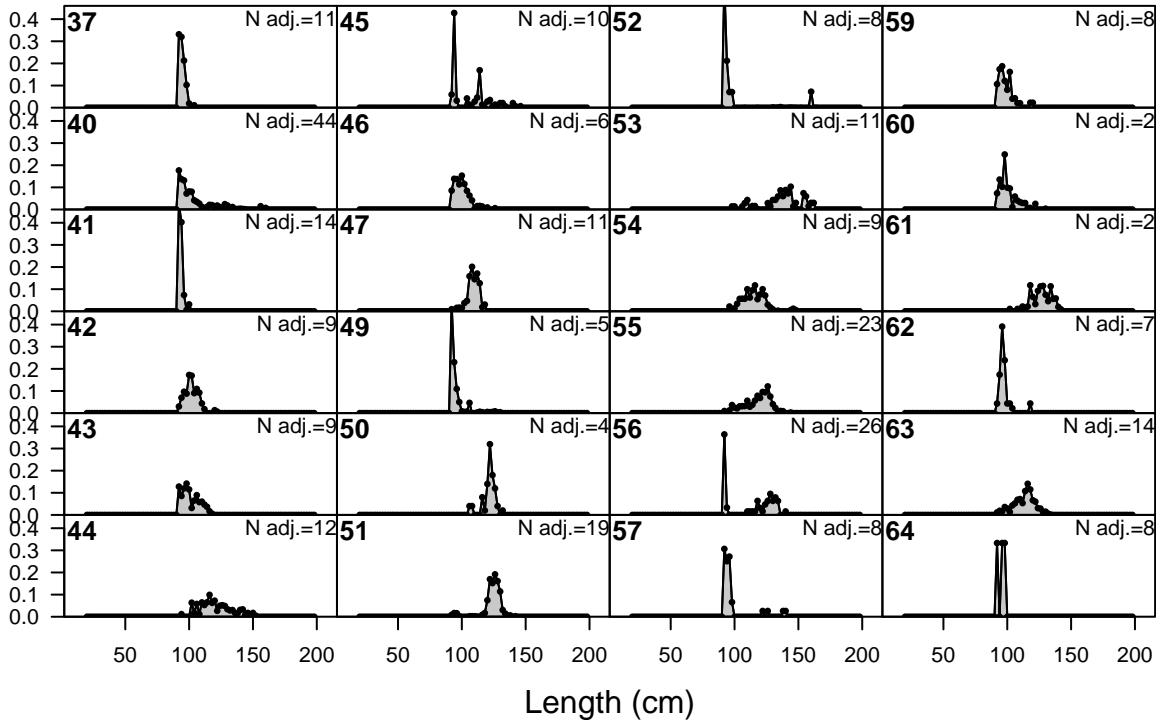
Length (cm)



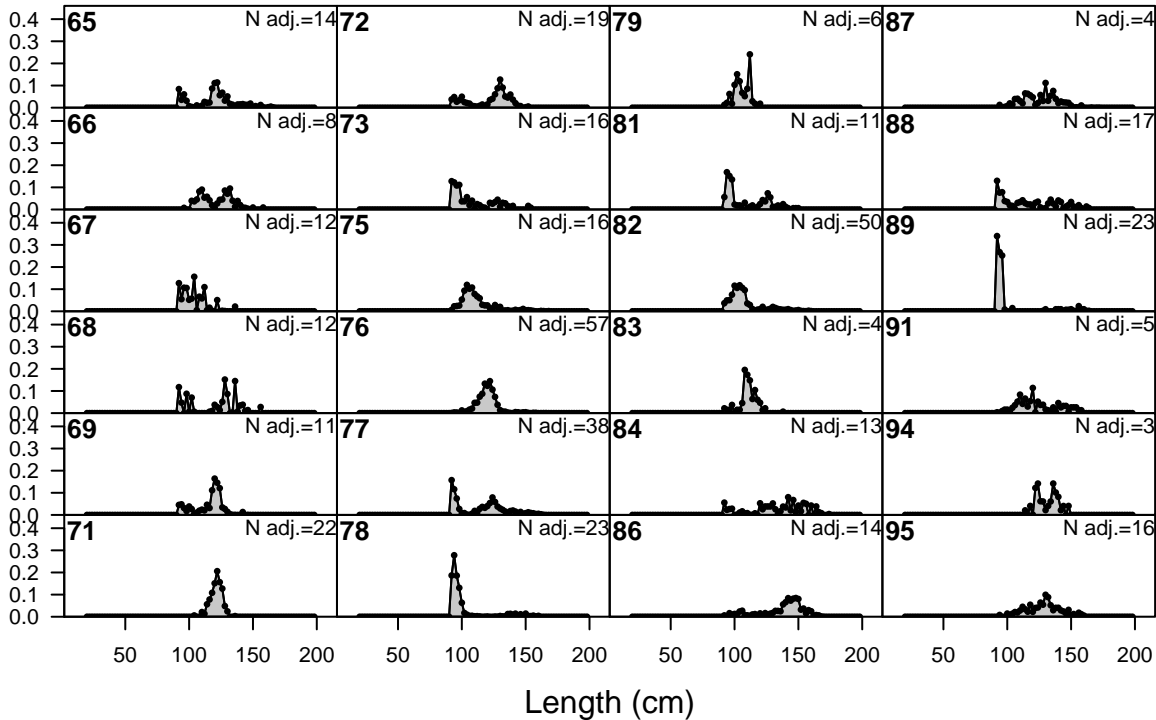
F12.NOA.W.large (whole catch)



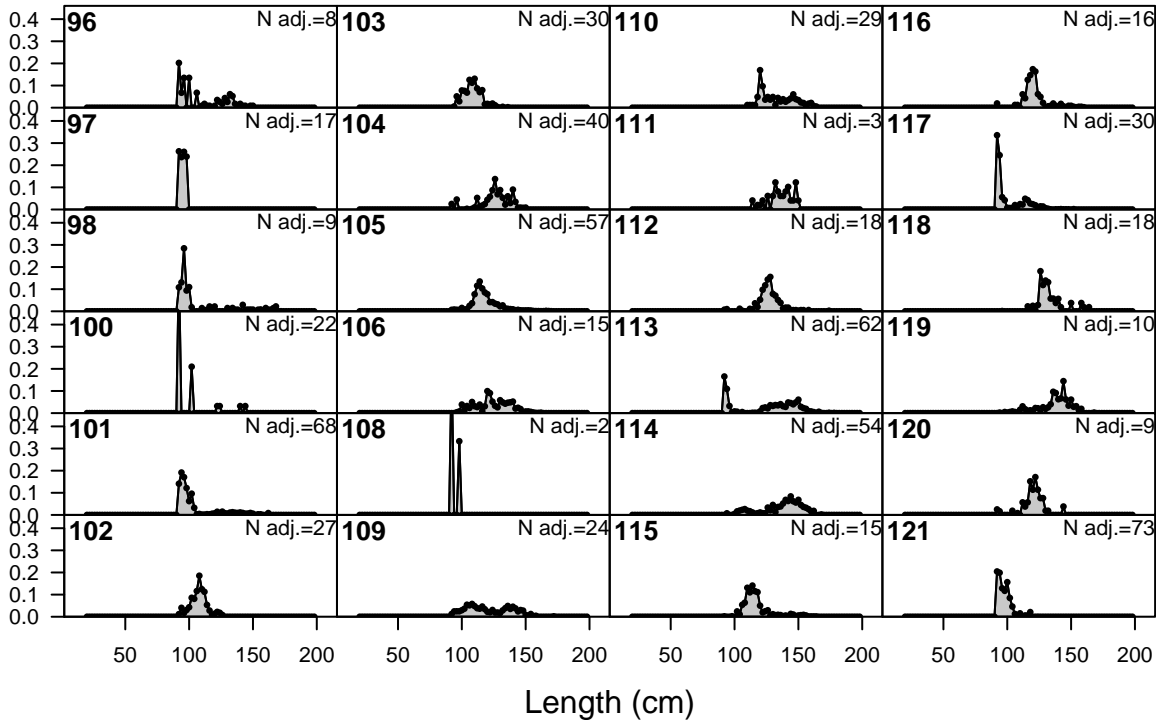
Proportion



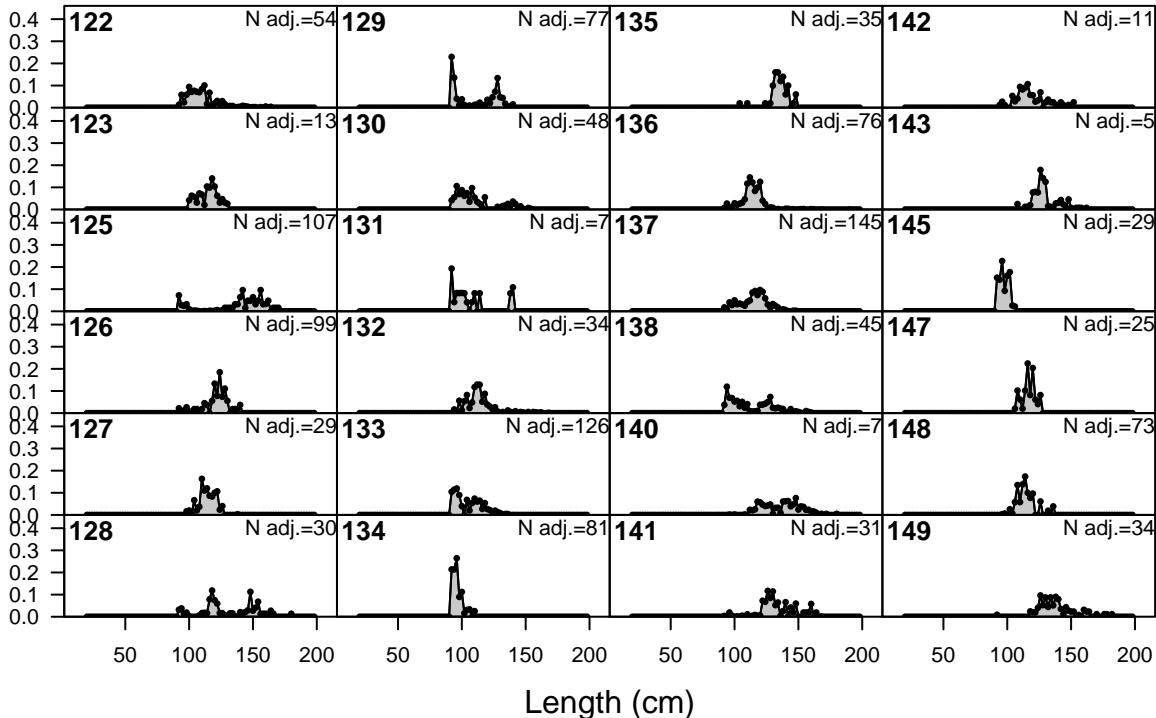
Proportion



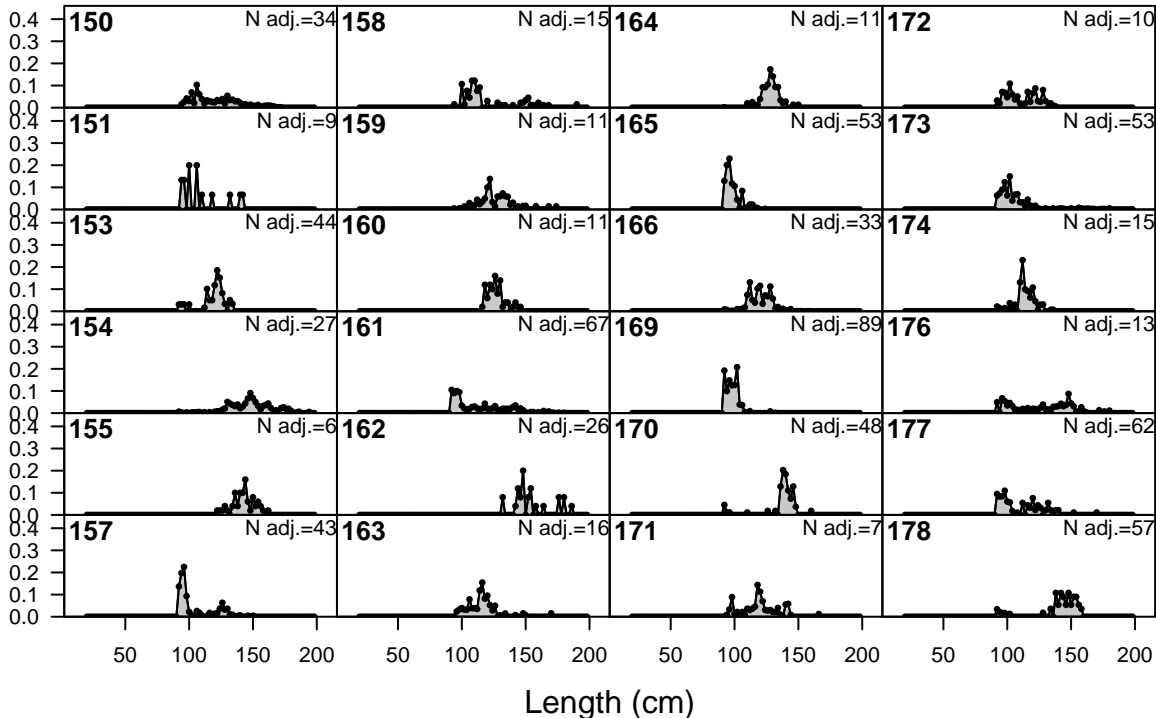
Proportion



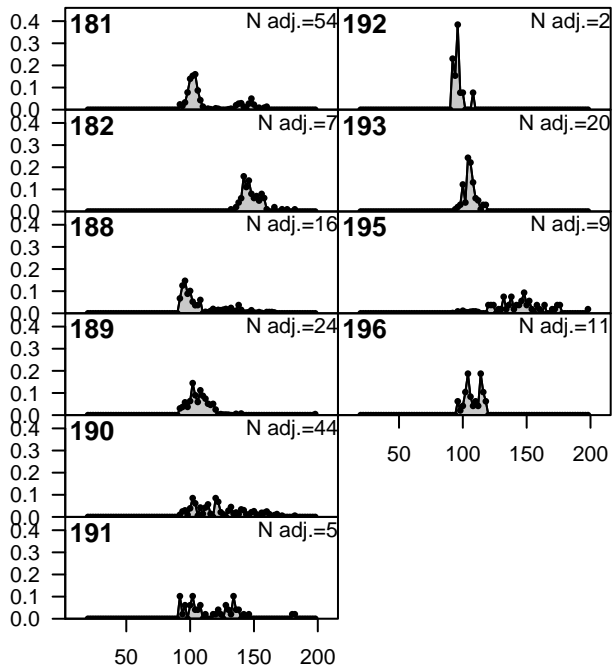
Proportion



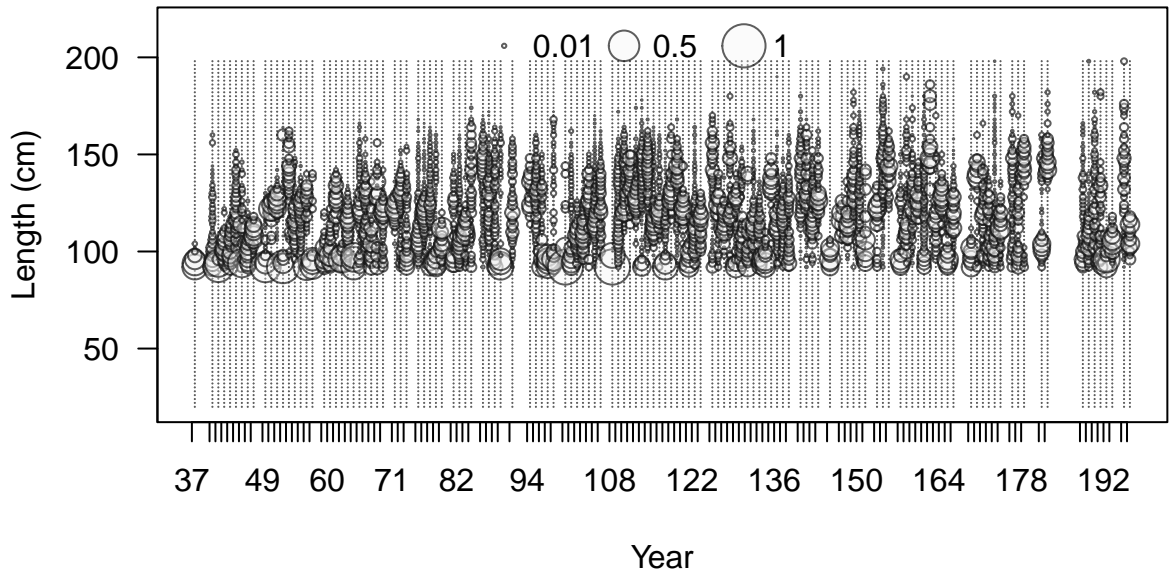
Proportion



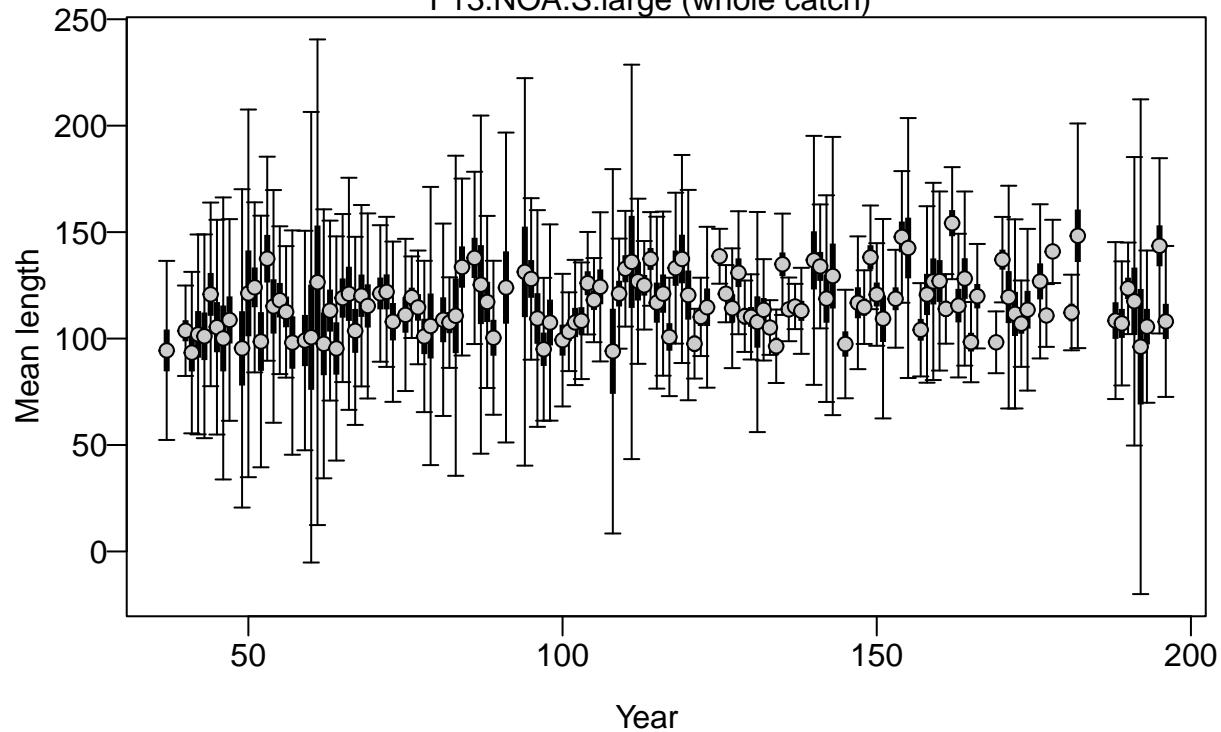
Proportion



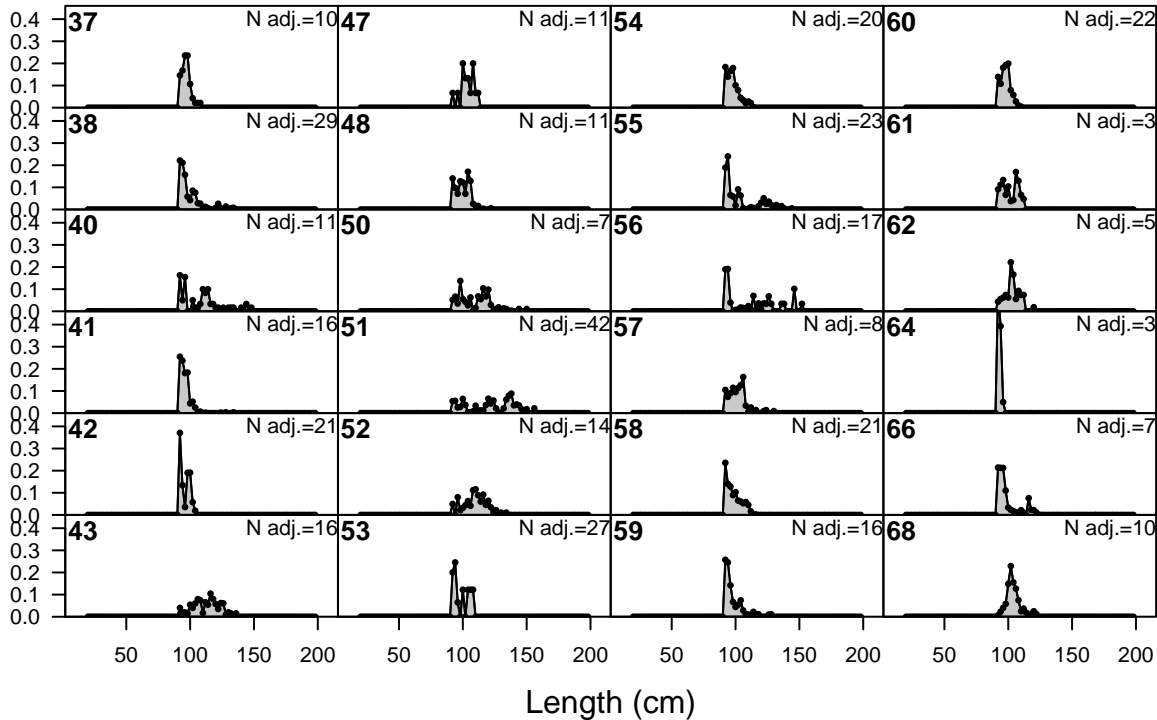
Length (cm)



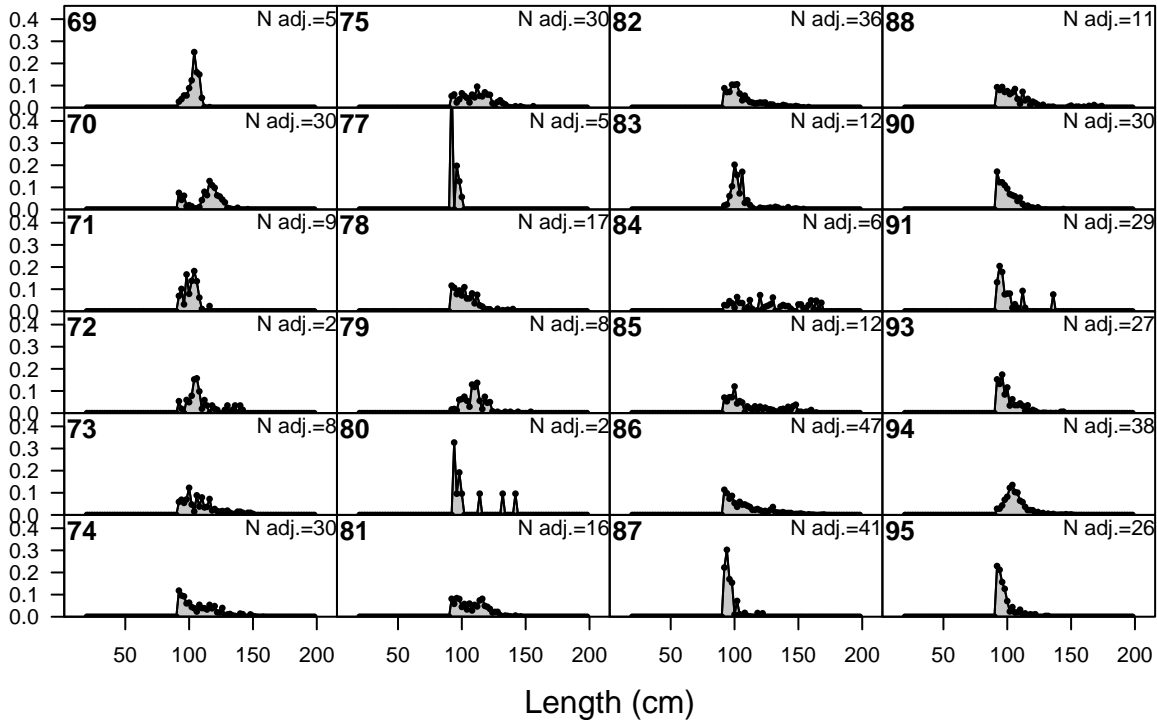
F13.NOA.S.large (whole catch)



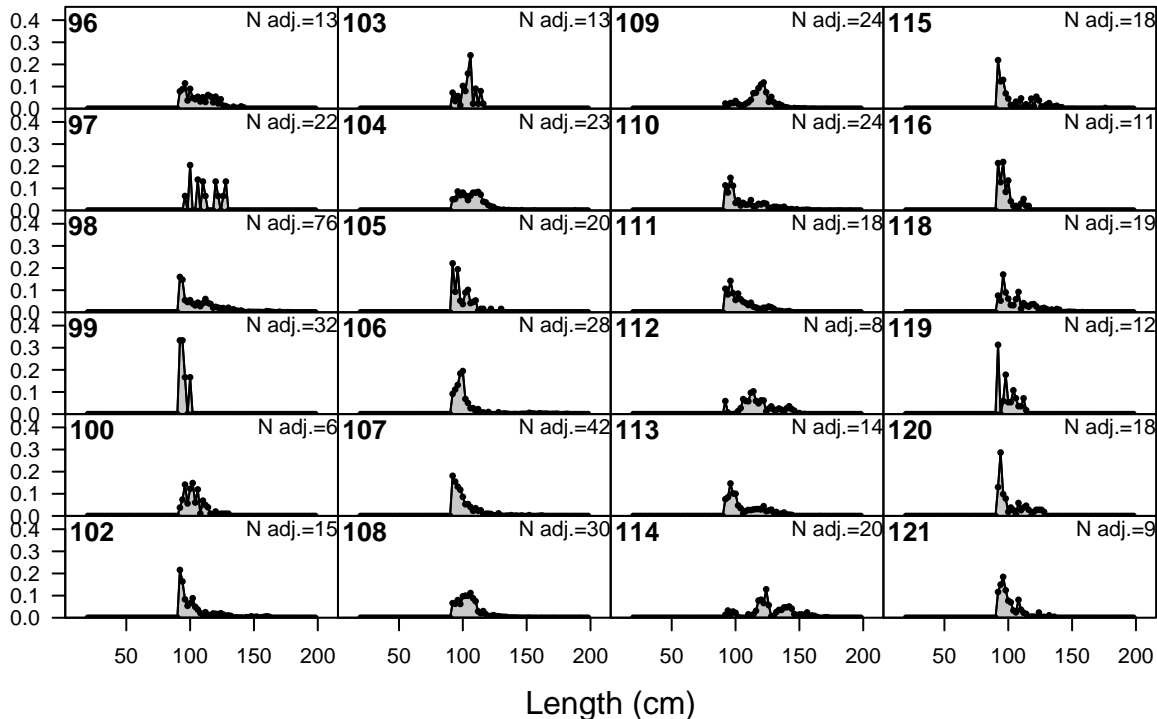
Proportion



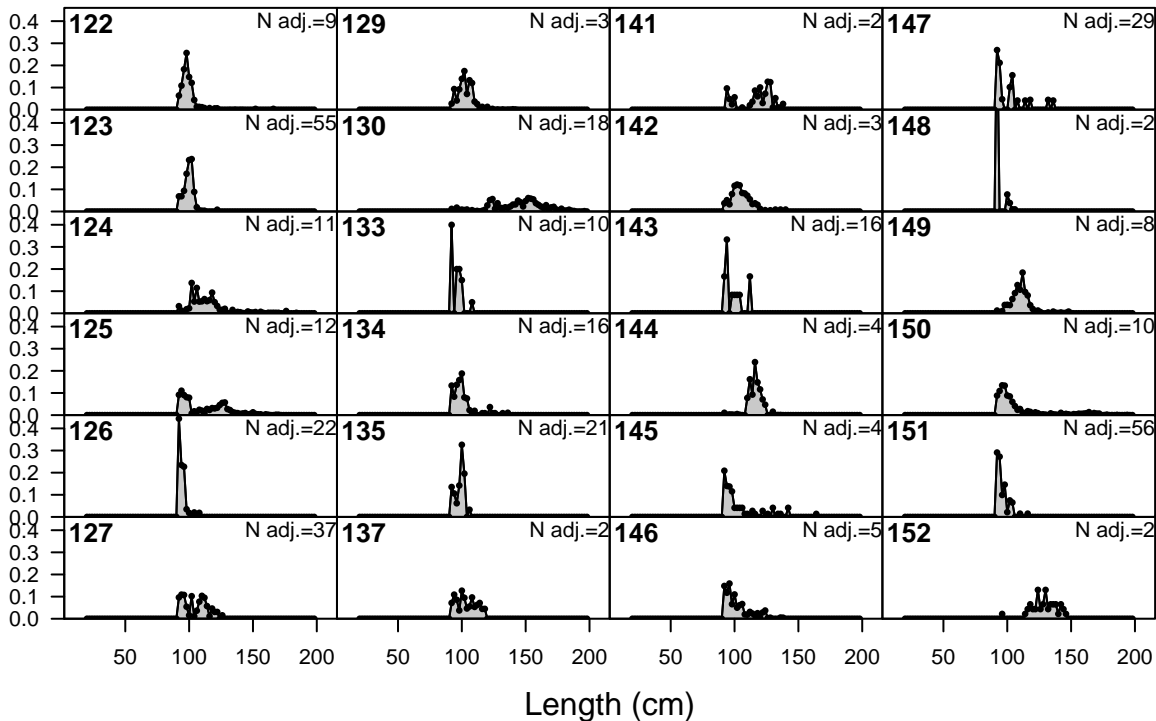
Proportion



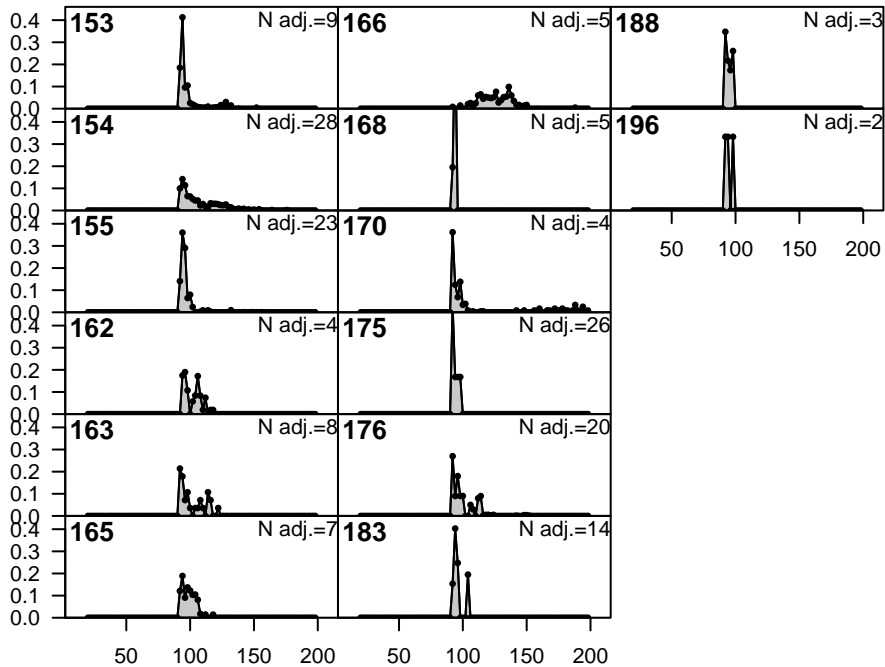
Proportion



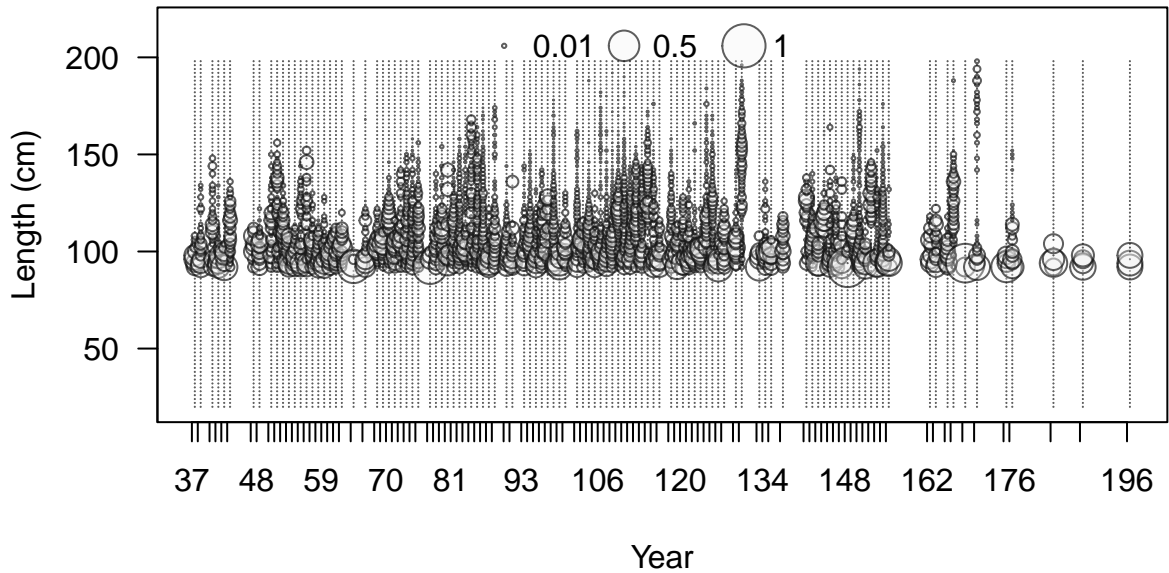
Proportion



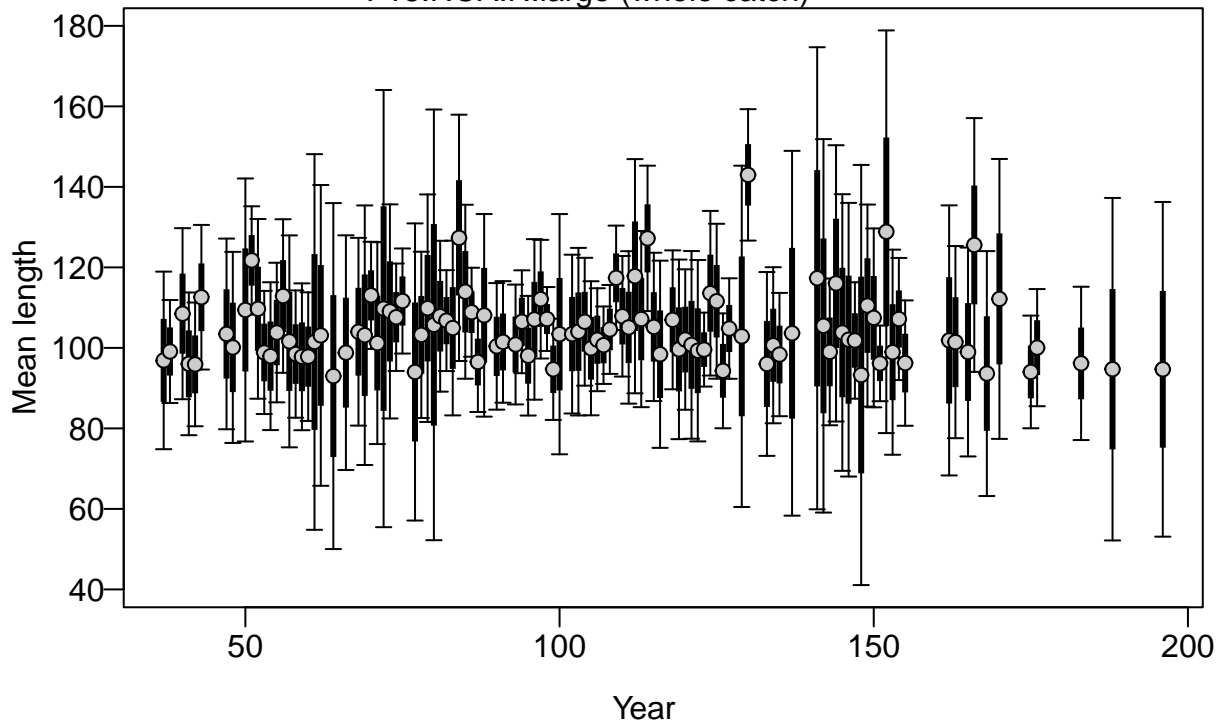
Proportion



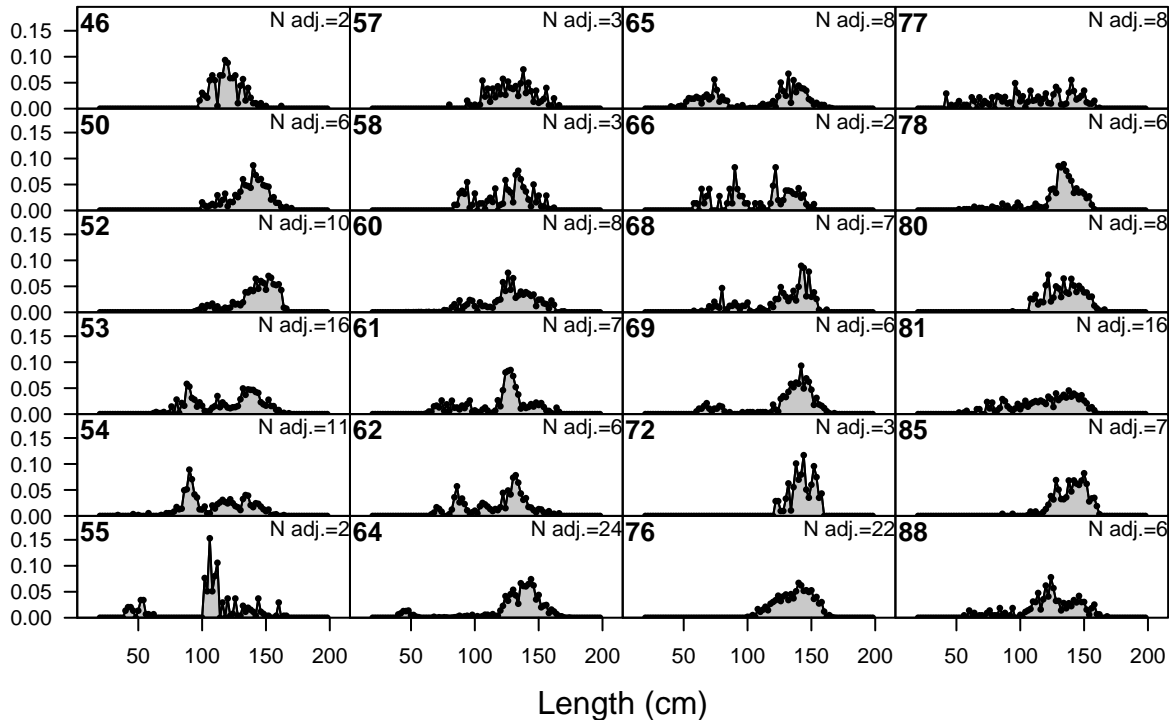
Length (cm)



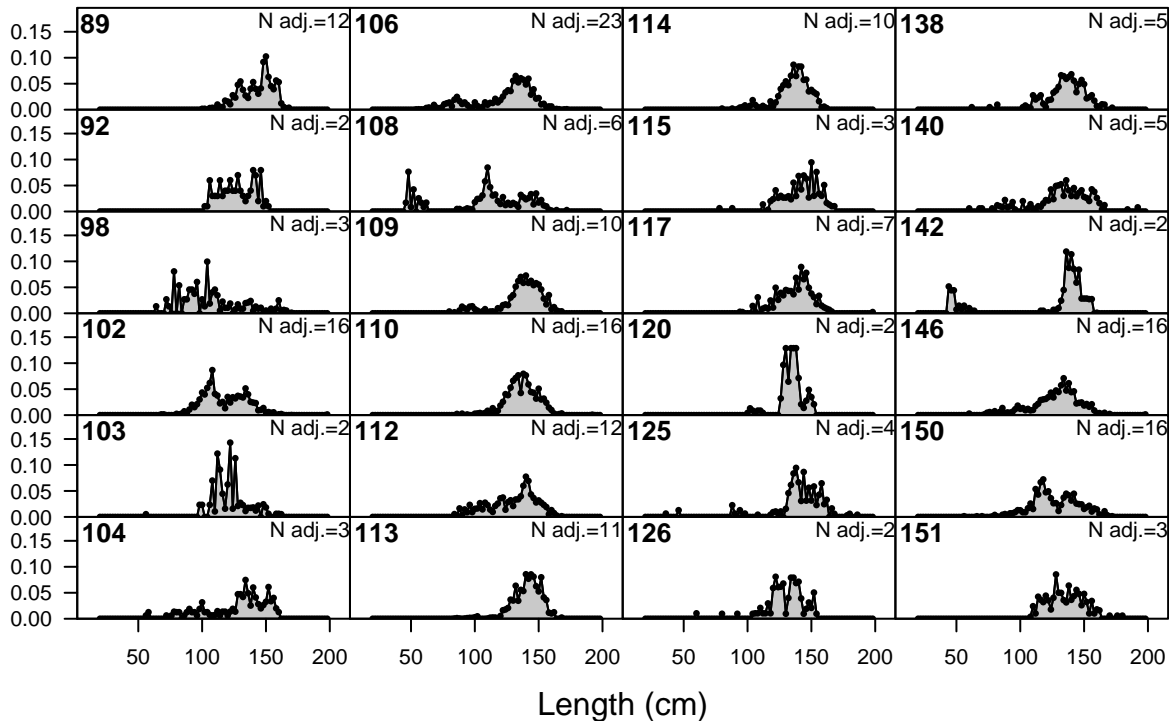
F15.NOA.N.large (whole catch)



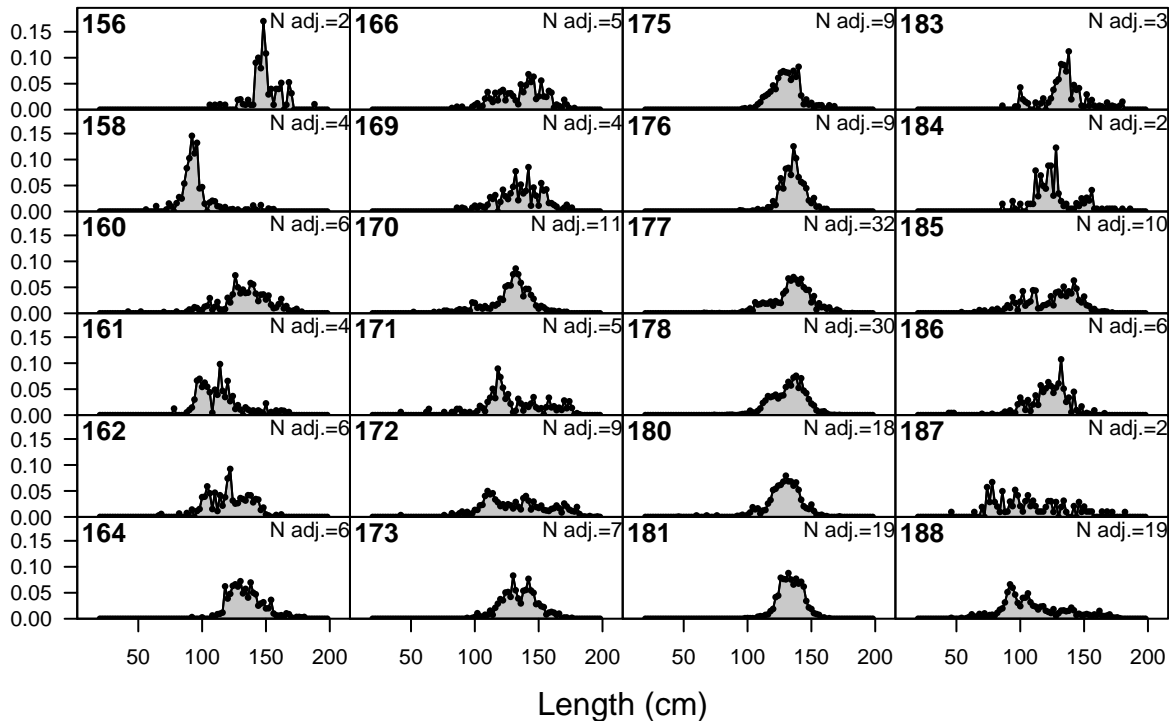
Proportion



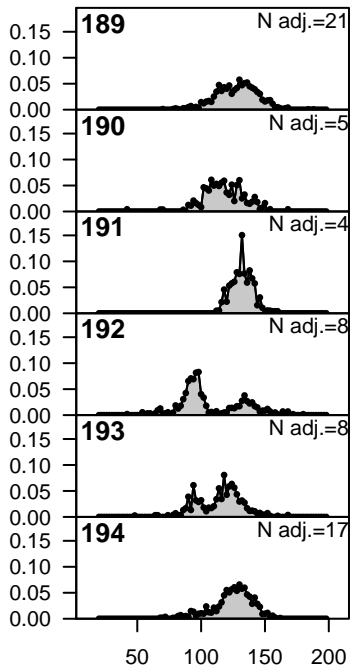
Proportion



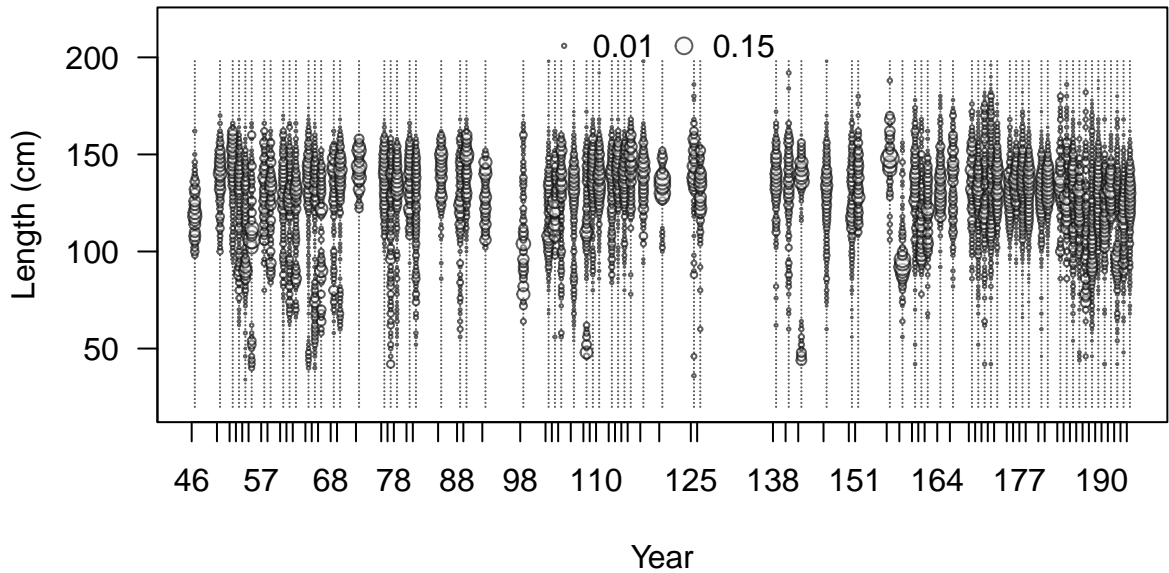
Proportion



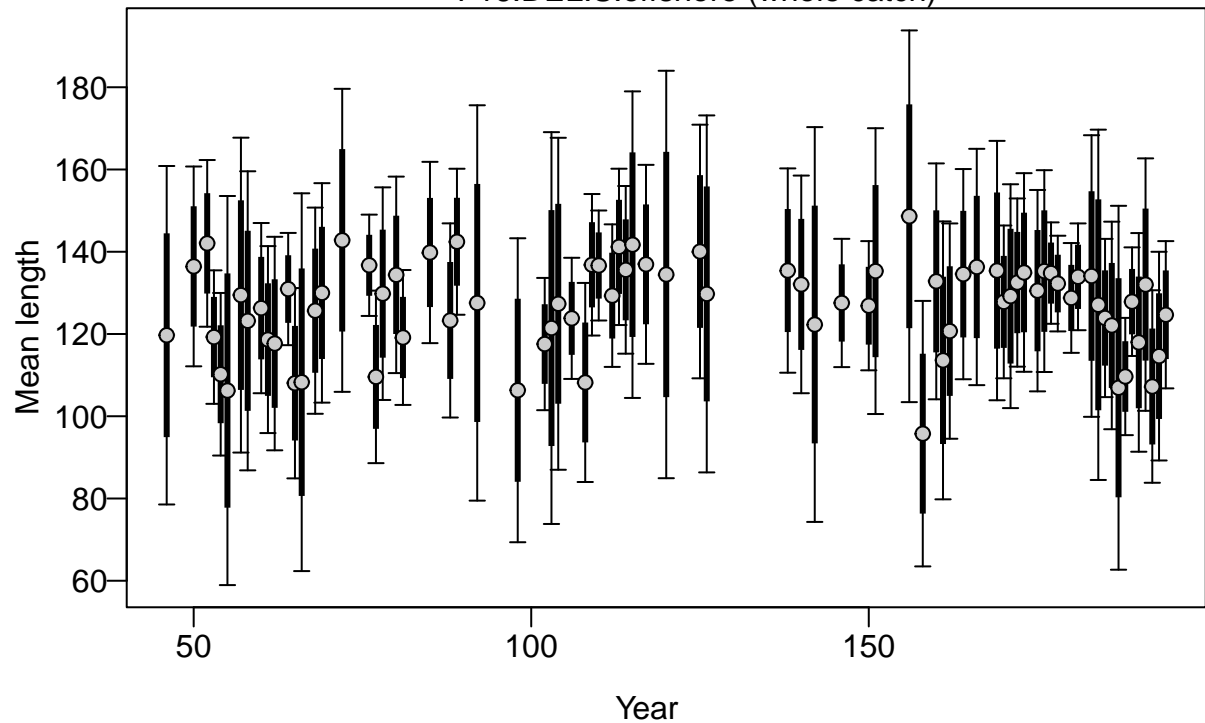
Proportion



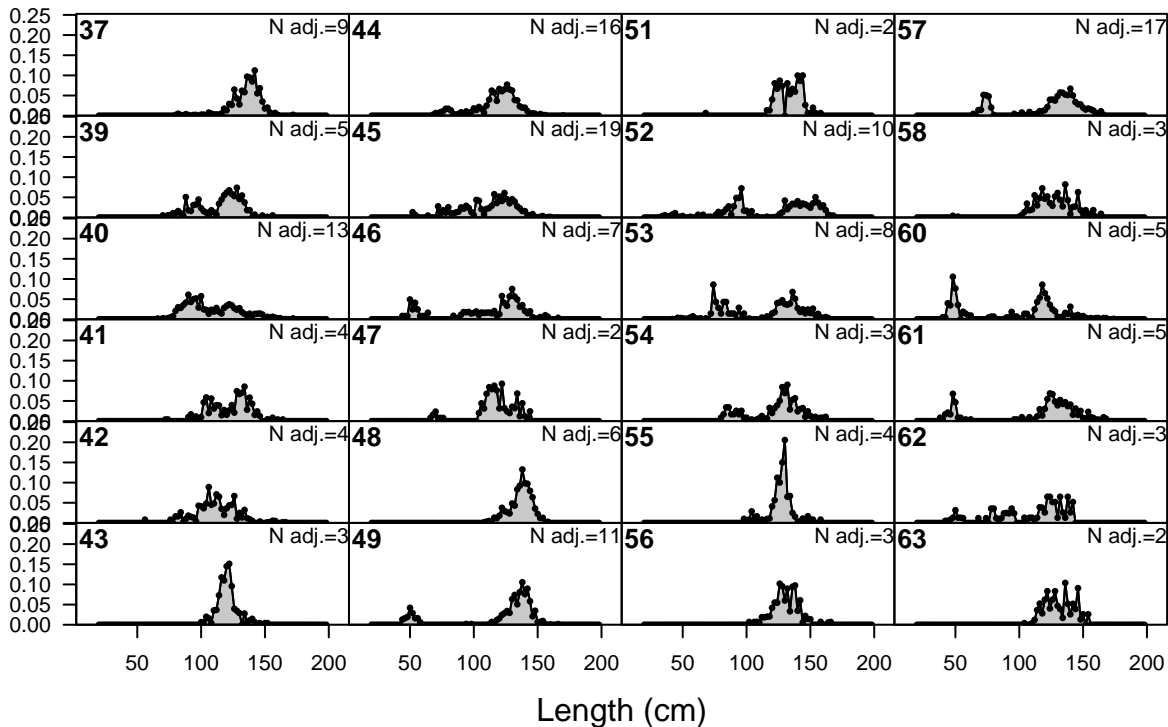
Length (cm)



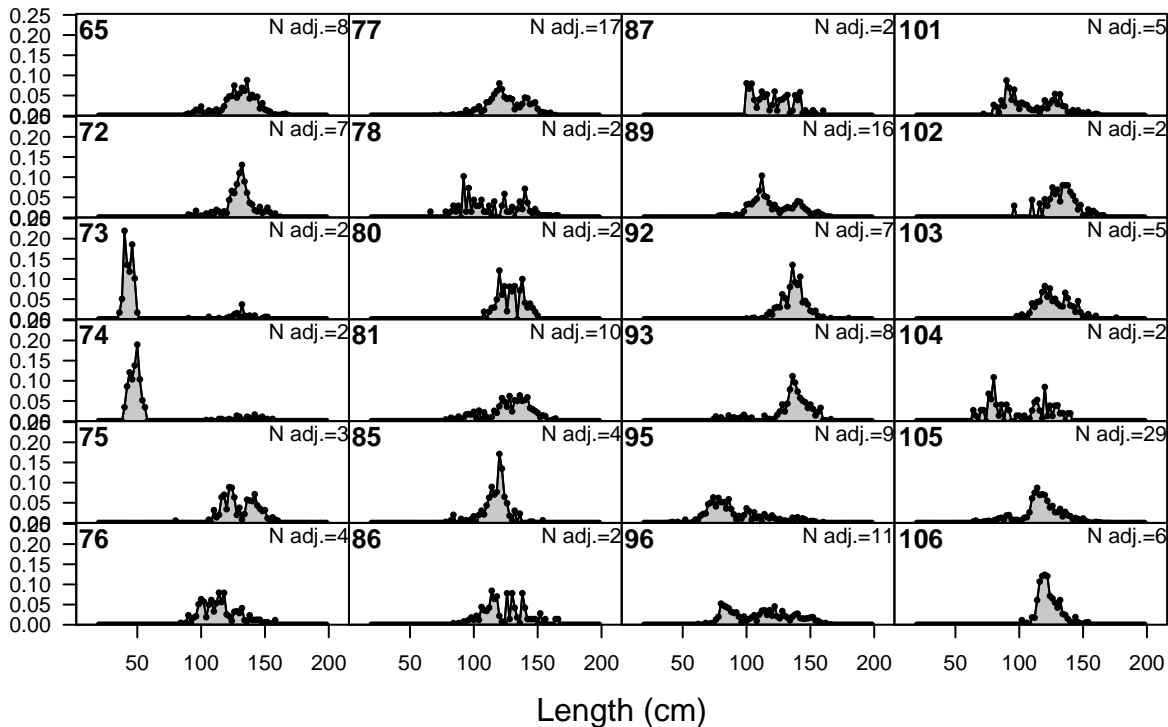
F16.DEL.S.offshore (whole catch)



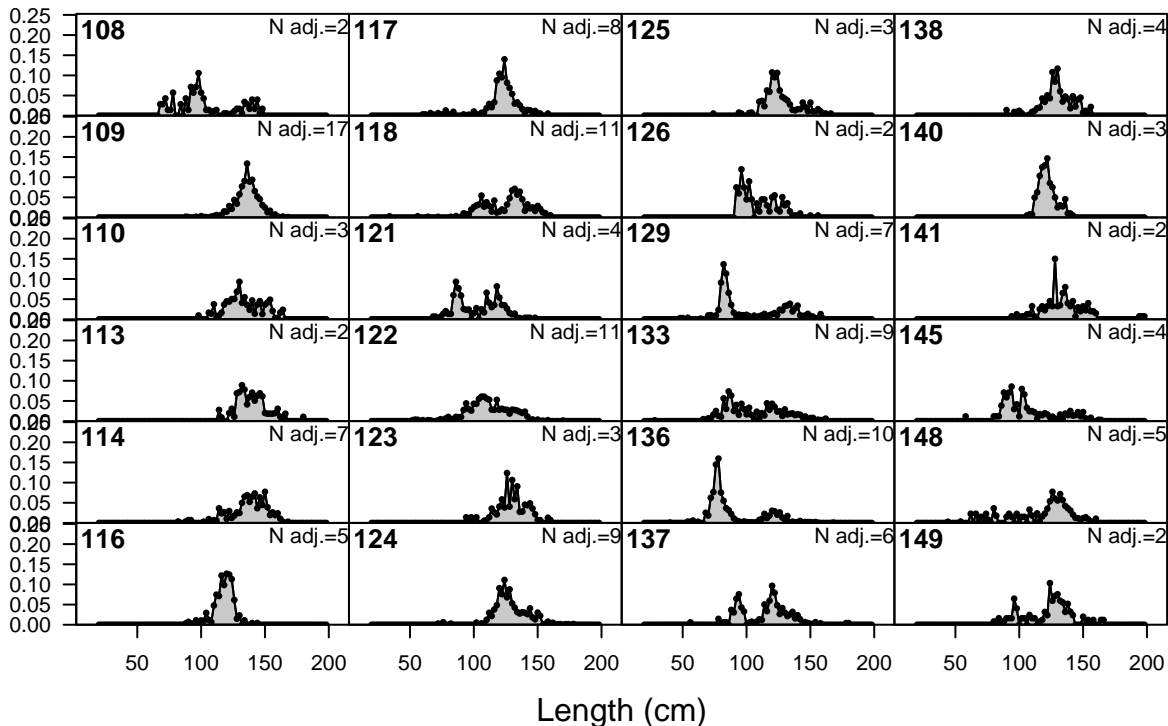
Proportion



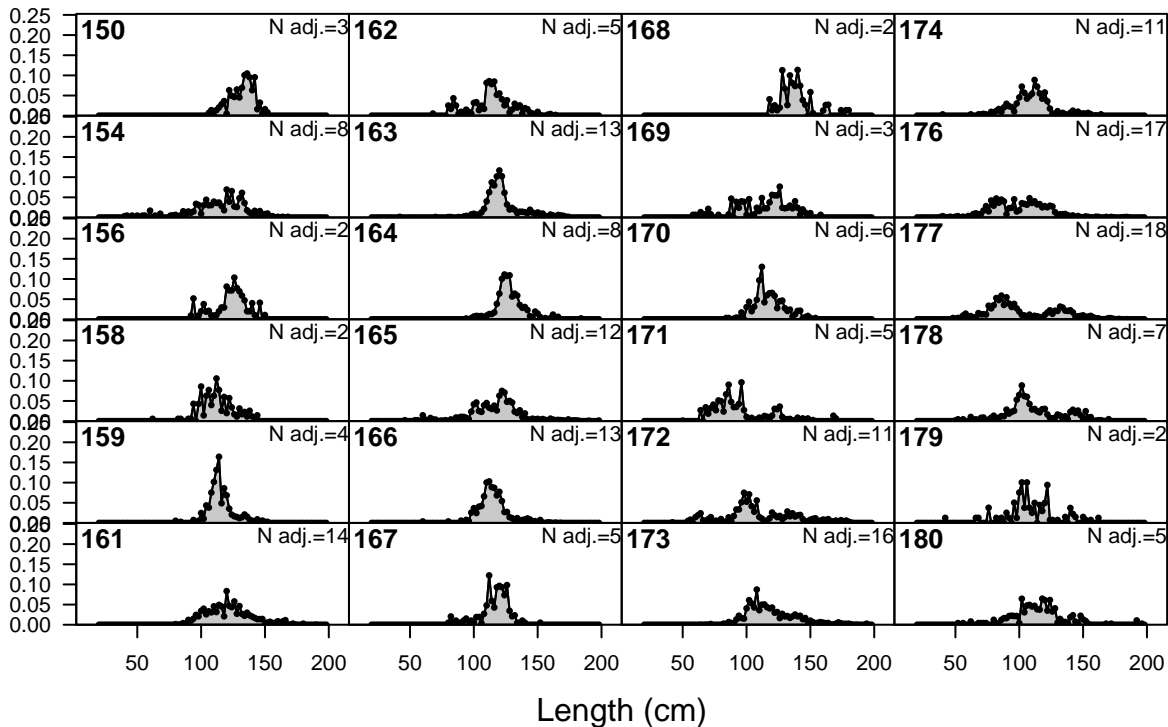
Proportion



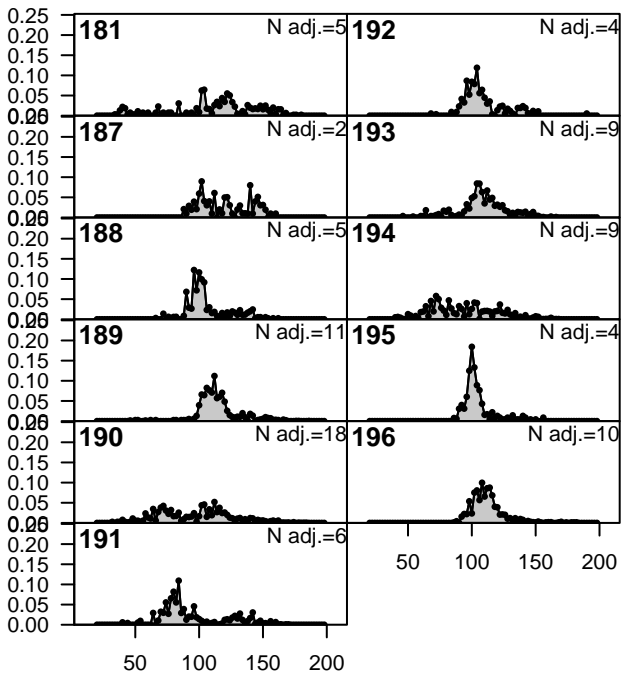
Proportion



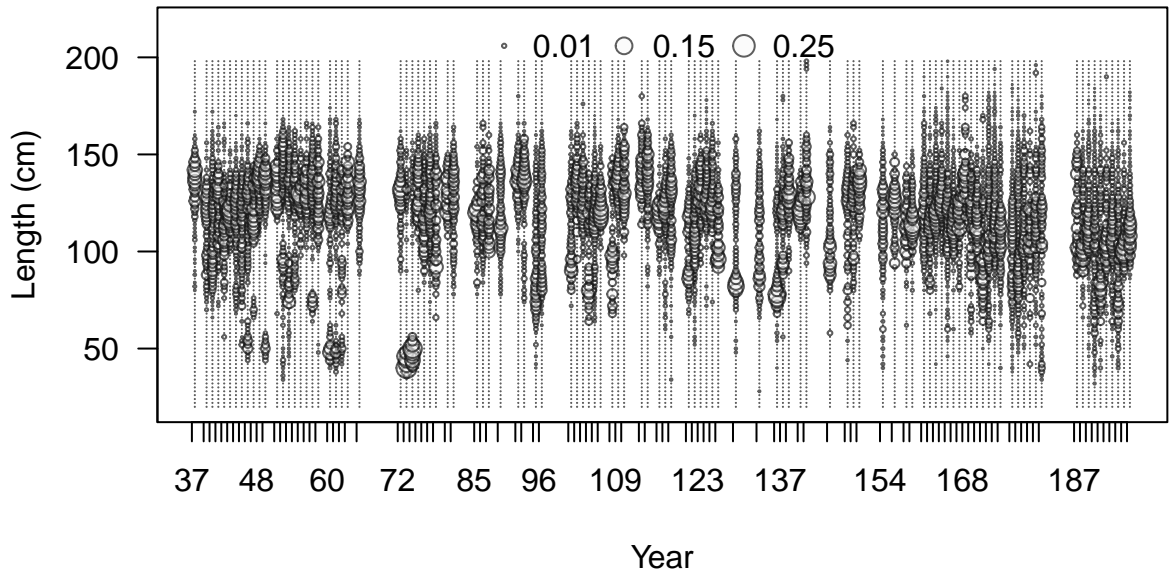
Proportion



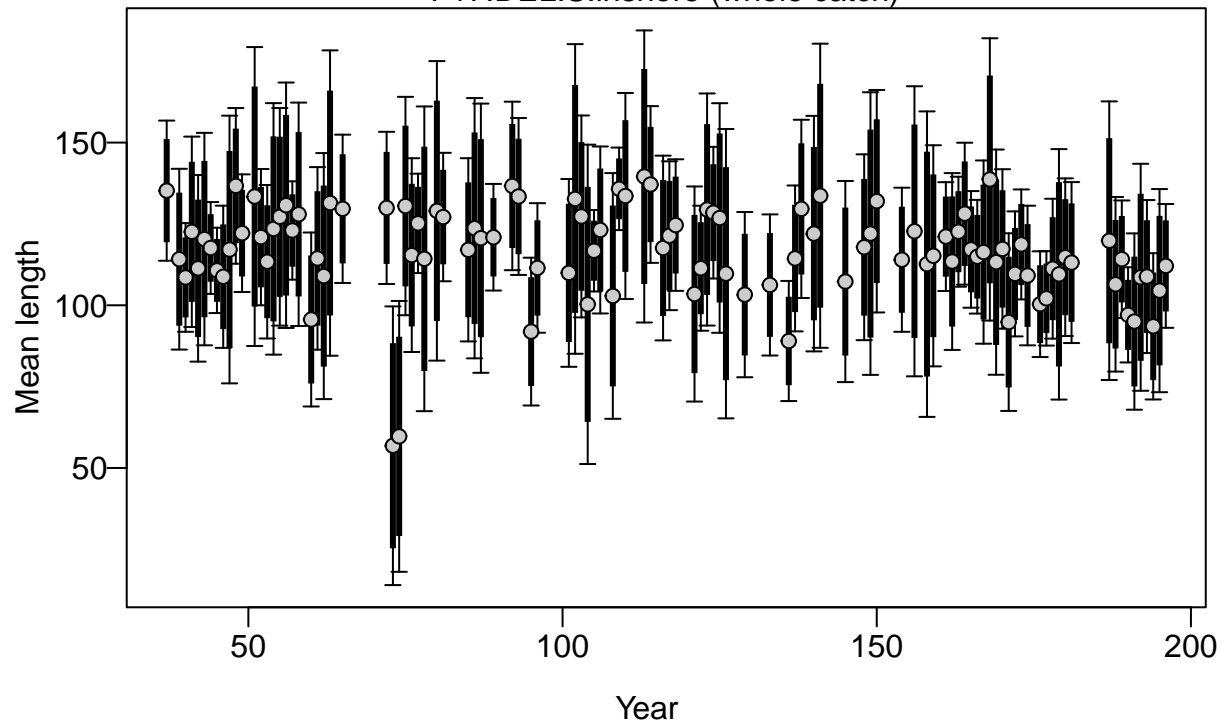
Proportion



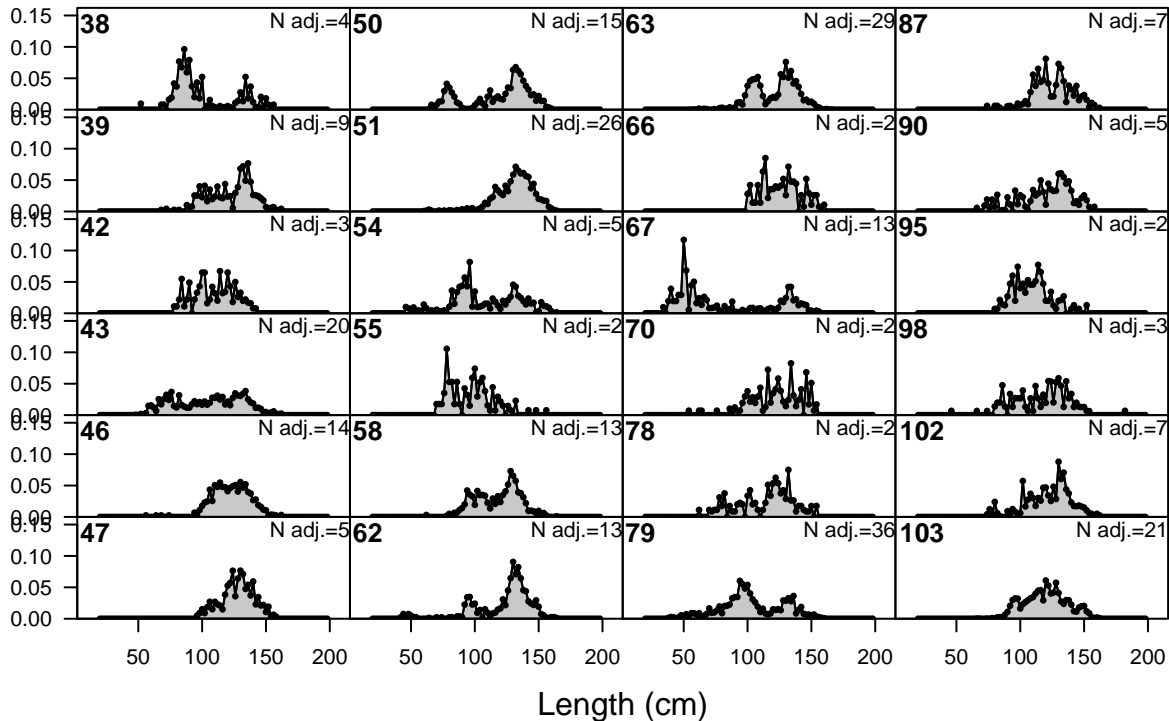
Length (cm)



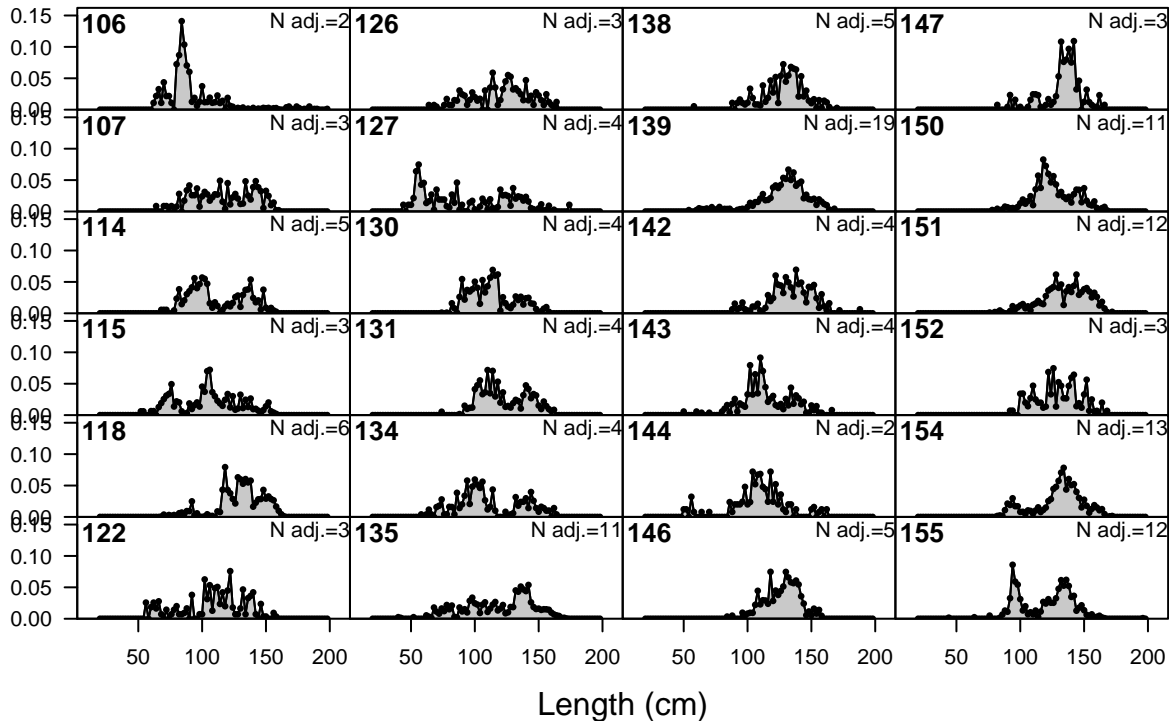
F17.DEL.S.inshore (whole catch)



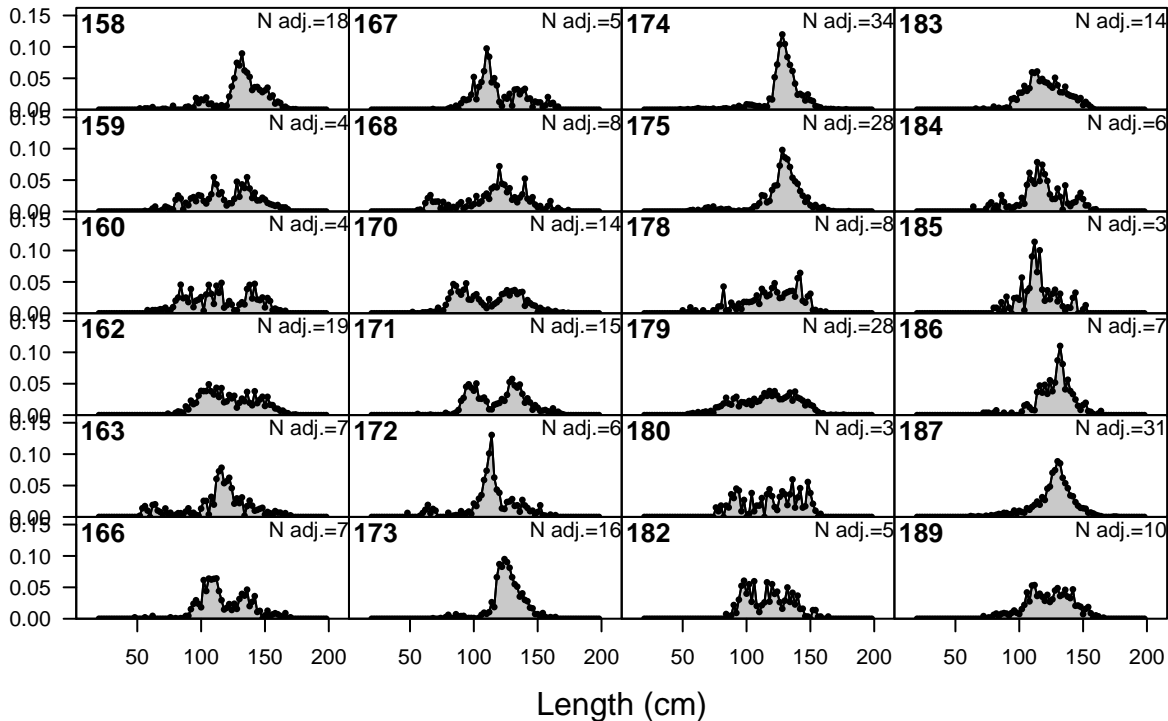
Proportion



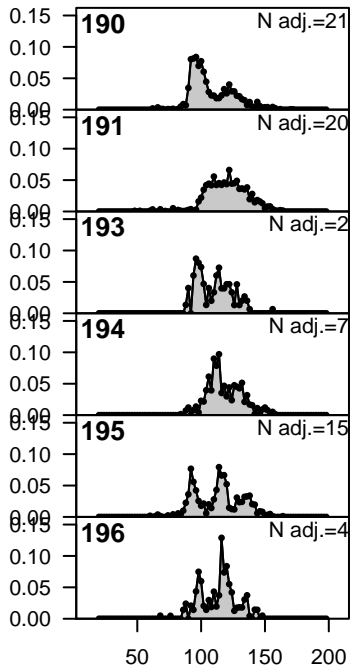
Proportion



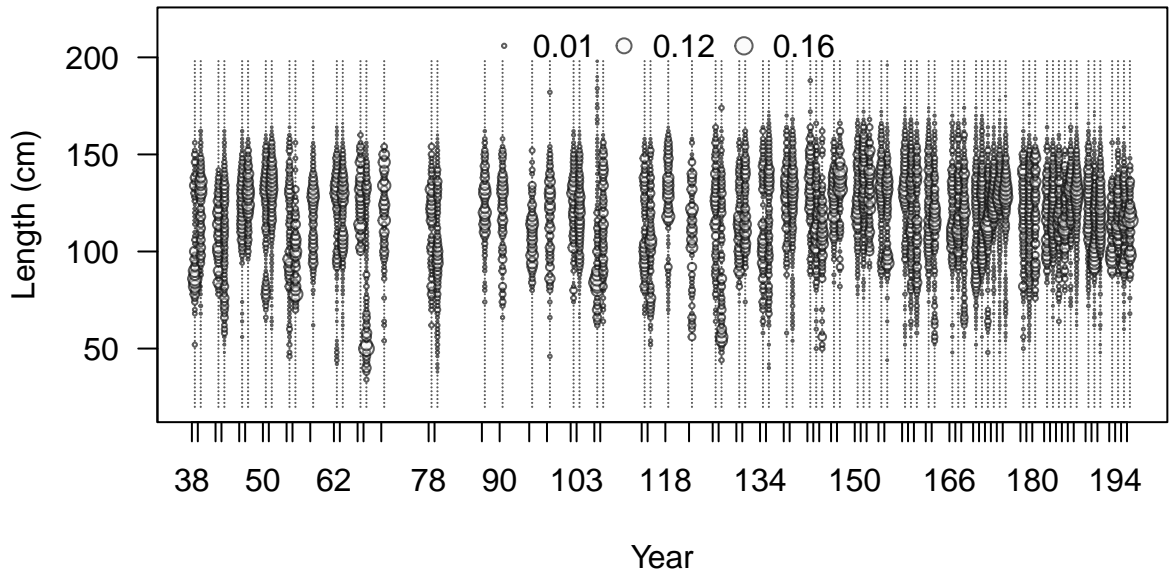
Proportion



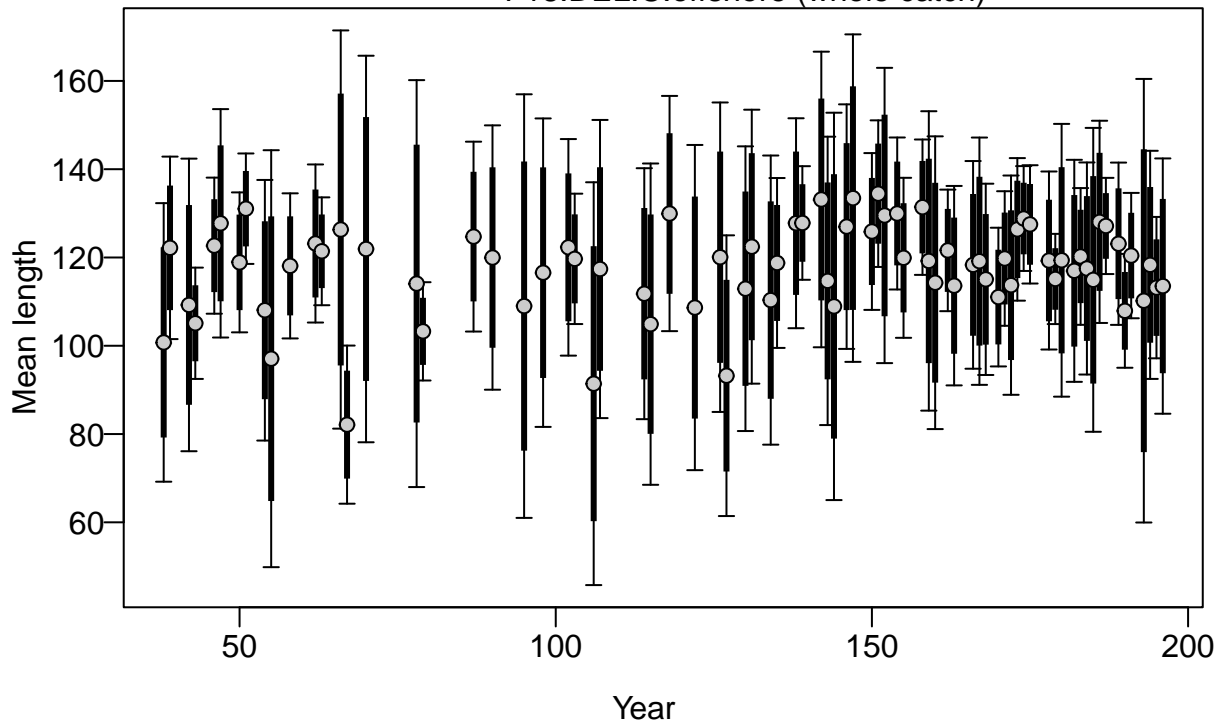
Proportion



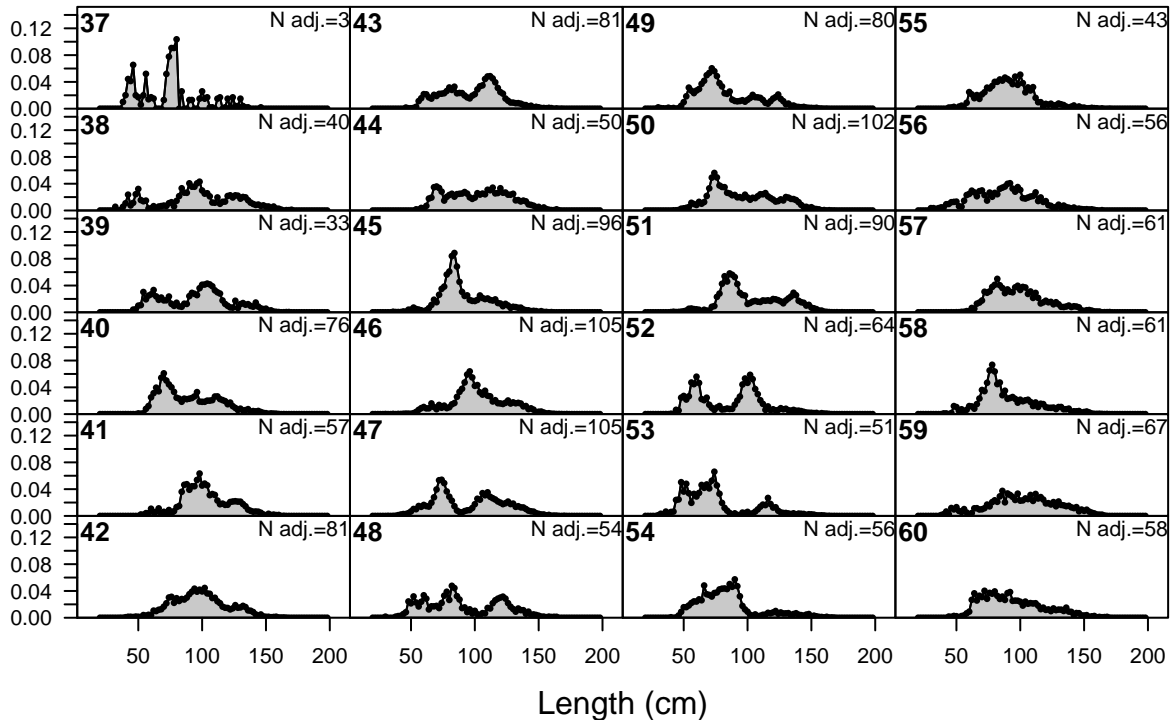
Length (cm)



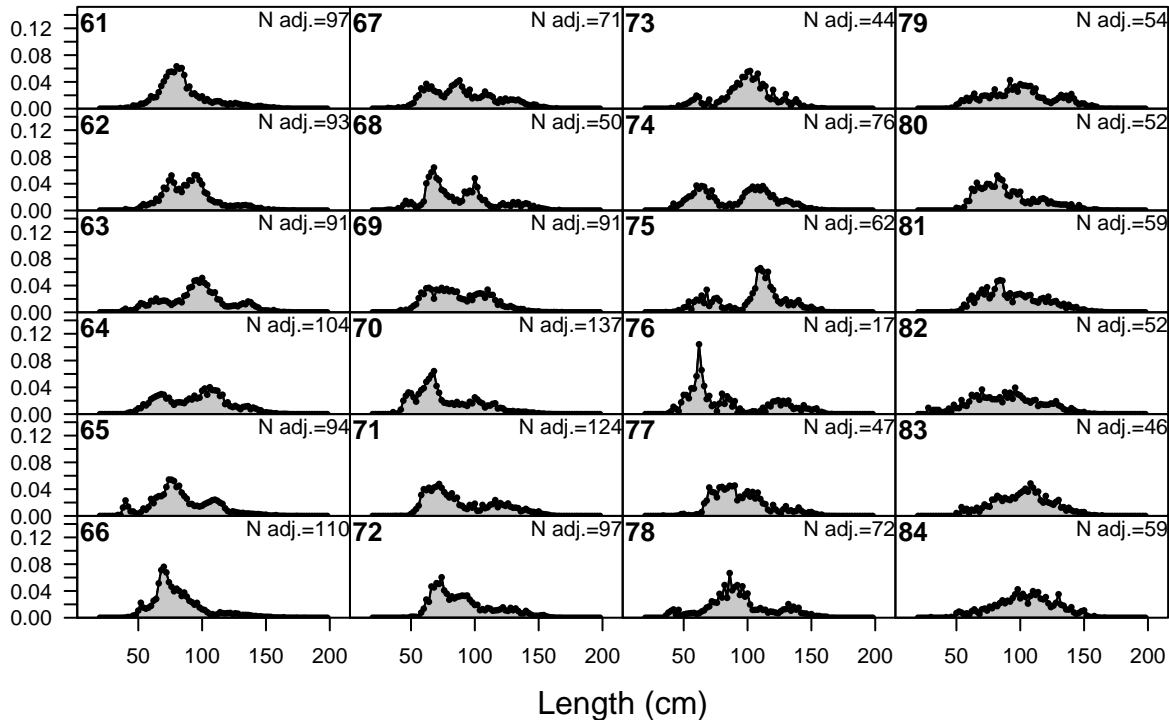
F18.DEL.C.offshore (whole catch)



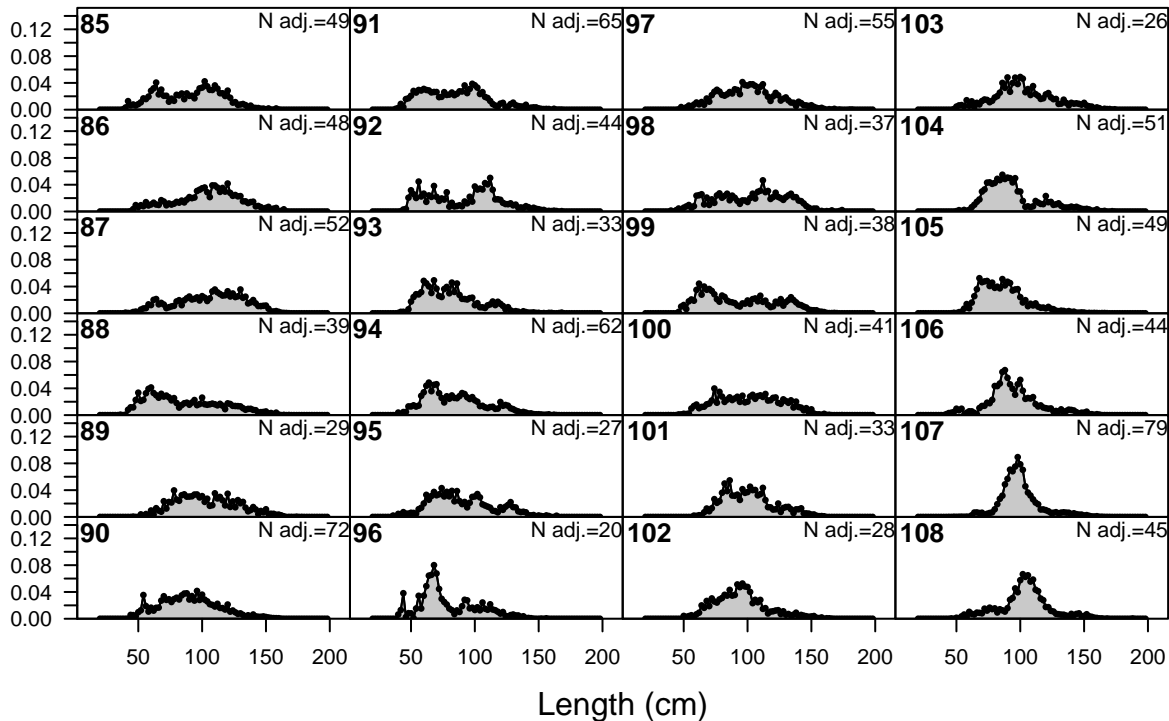
Proportion



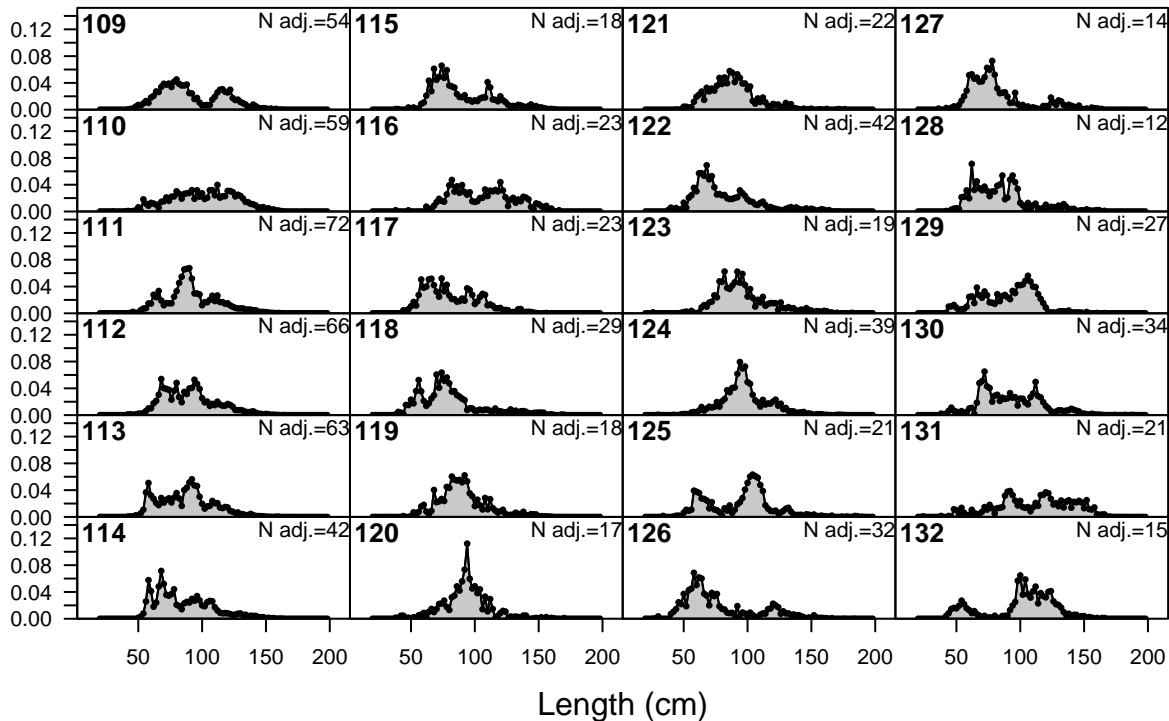
Proportion



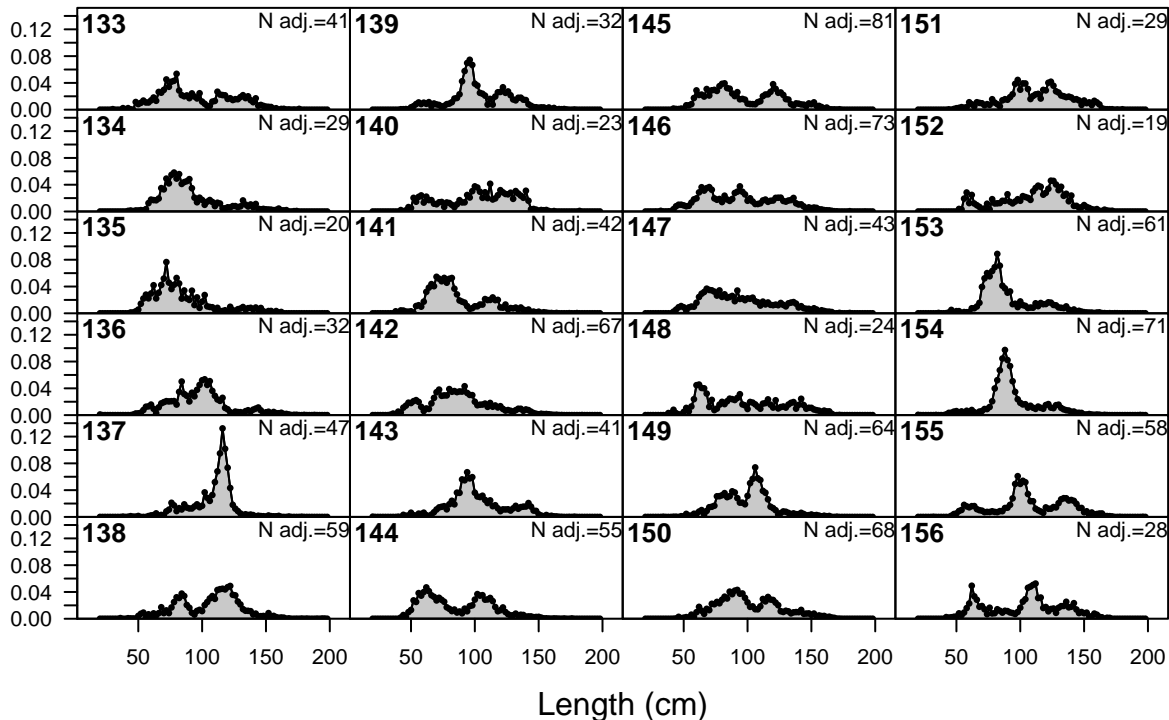
Proportion



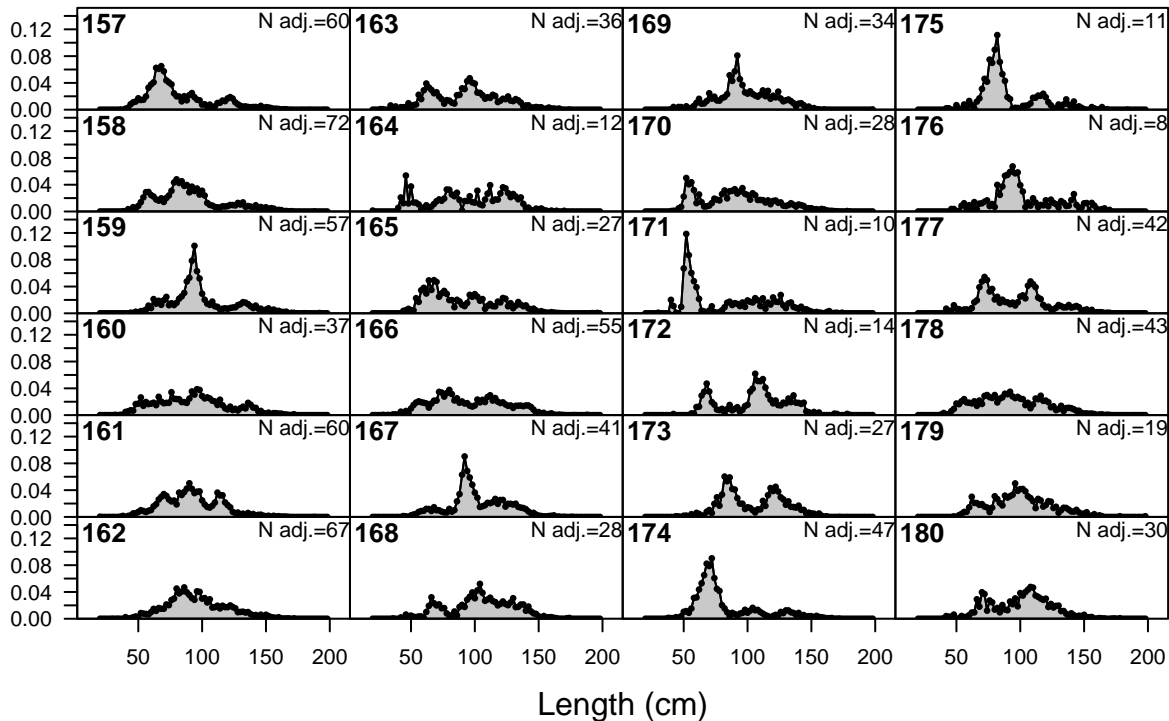
Proportion



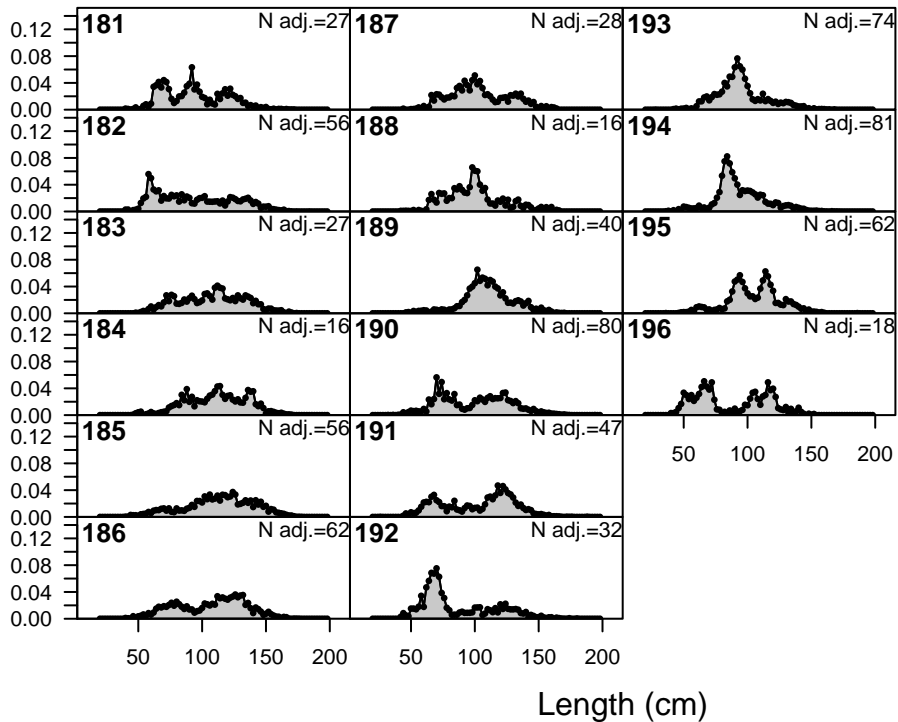
Proportion

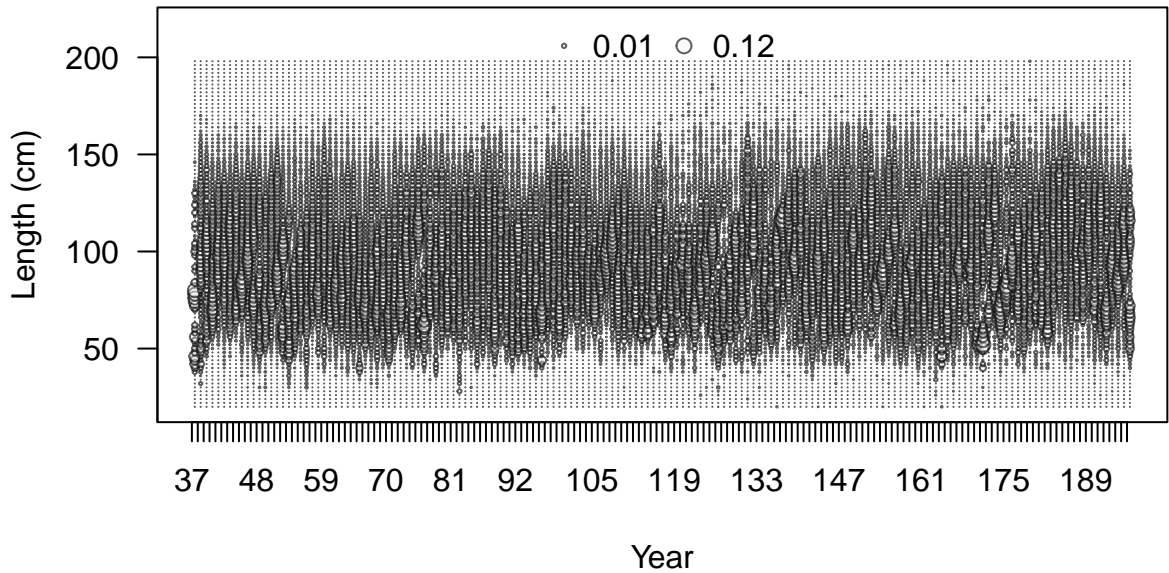


Proportion

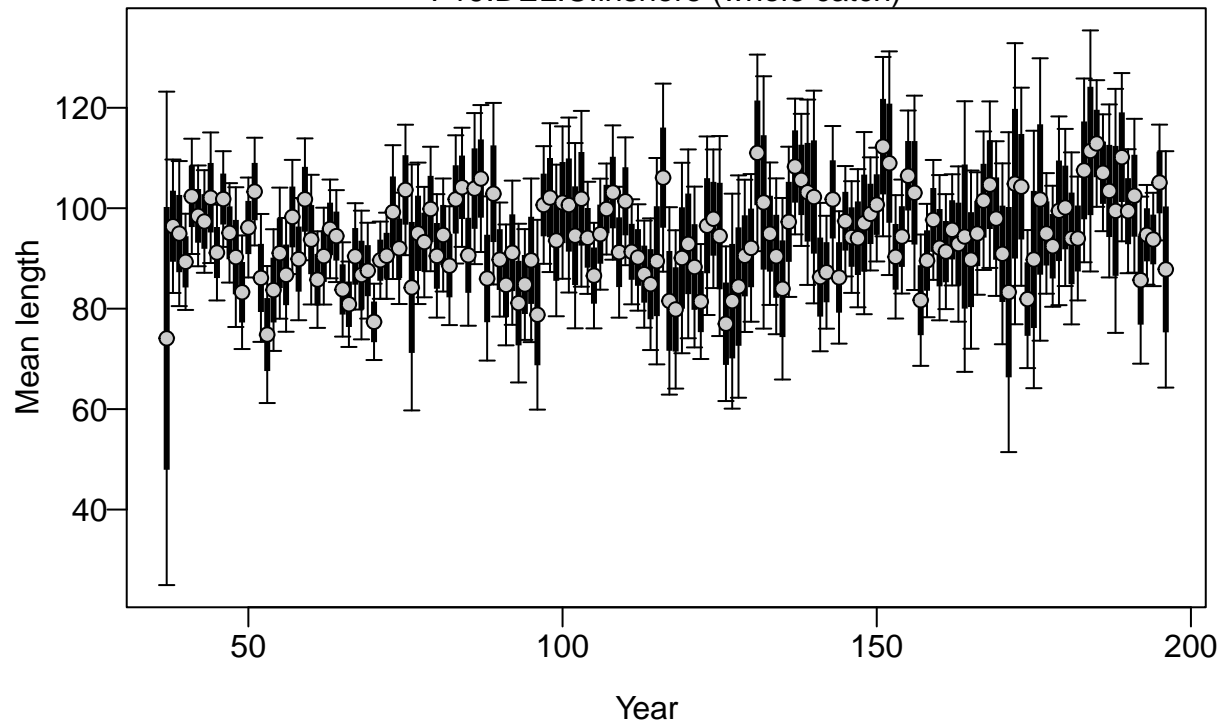


Proportion

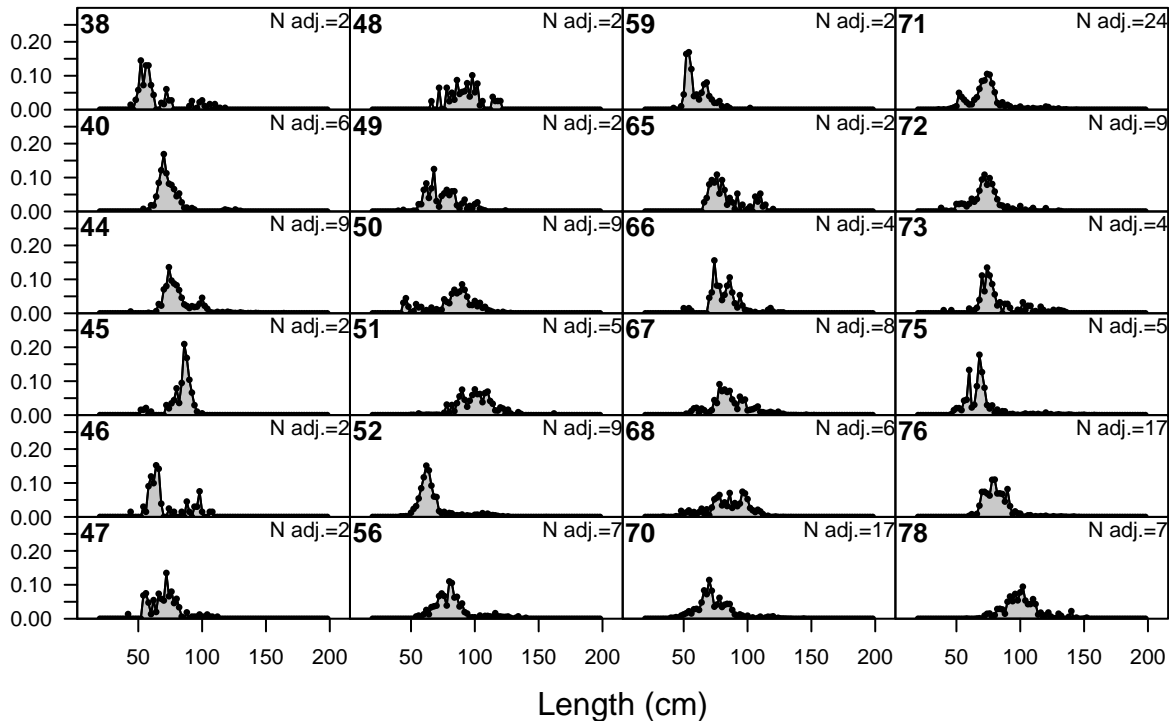




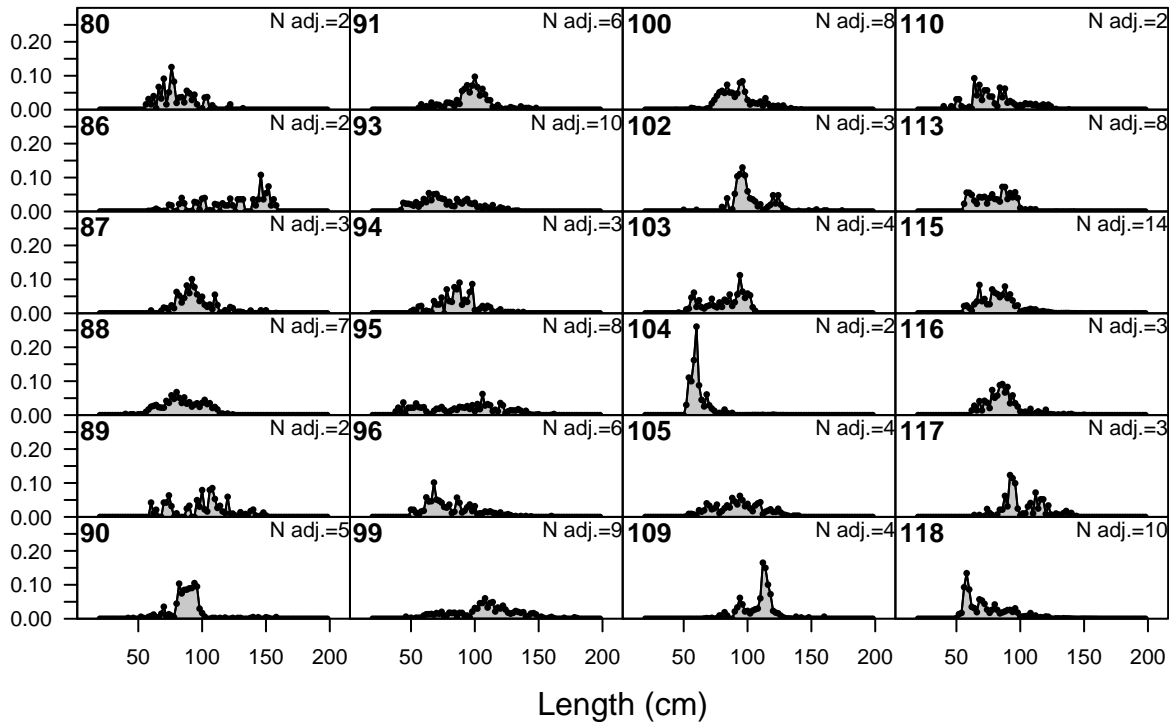
F19.DEL.C.inshore (whole catch)



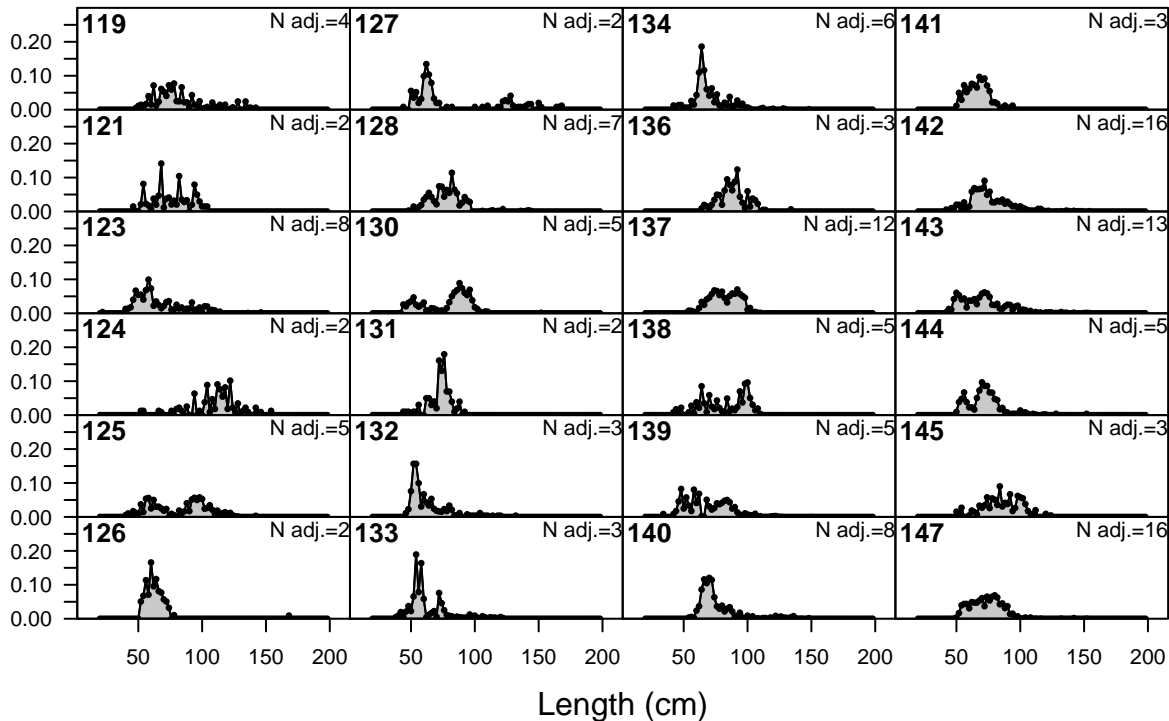
Proportion



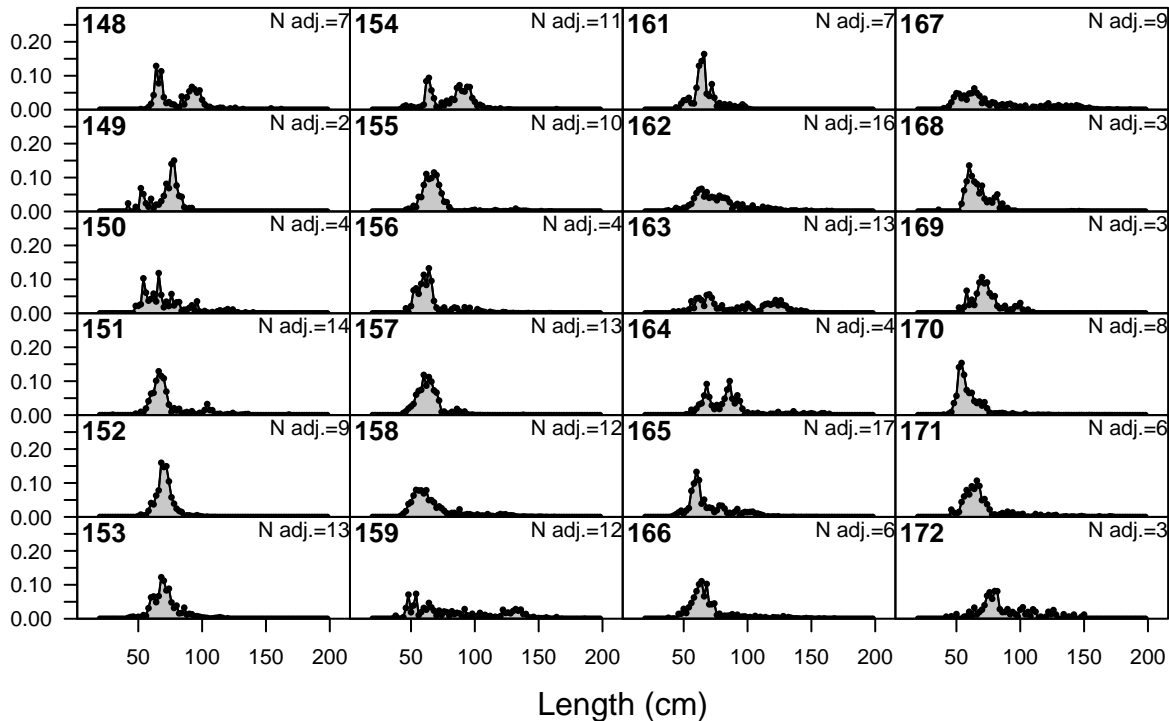
Proportion



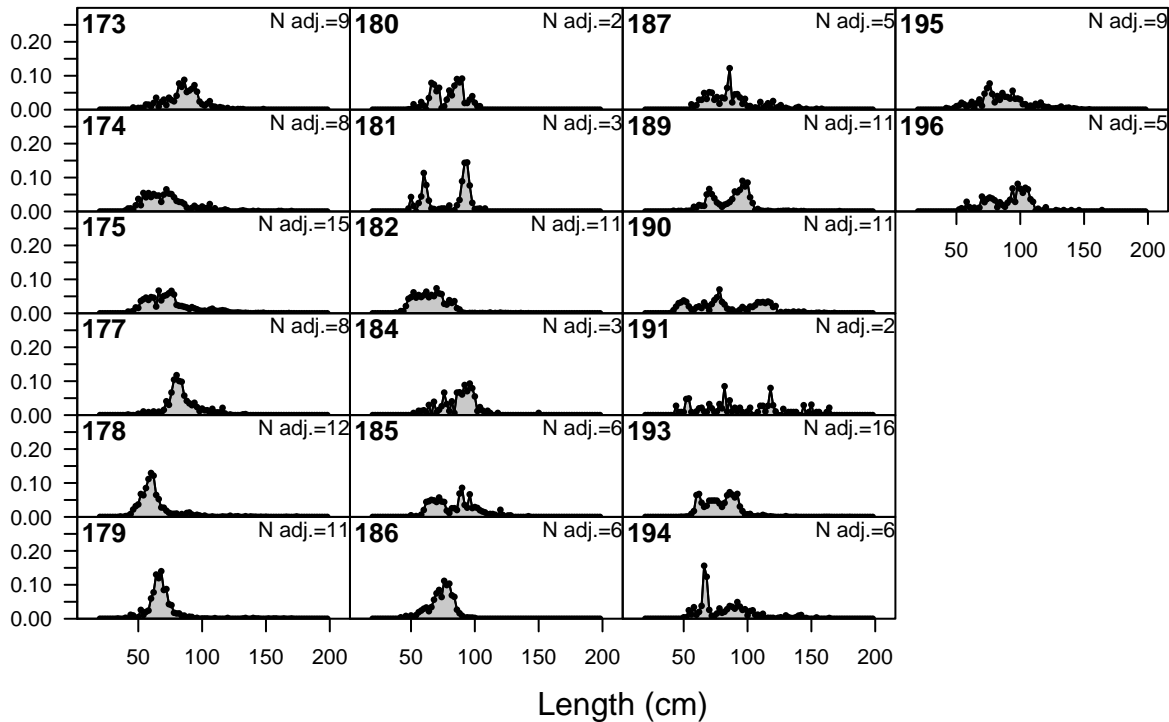
Proportion



Proportion



Proportion



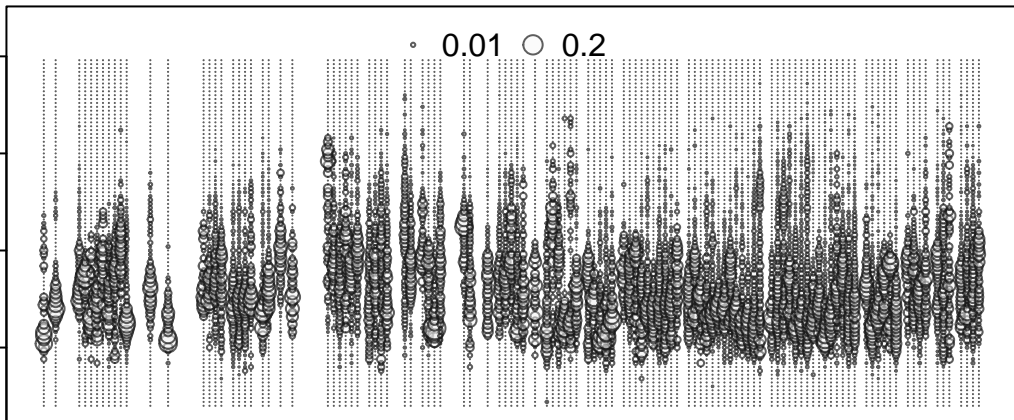
Length (cm)

200
150
100
50

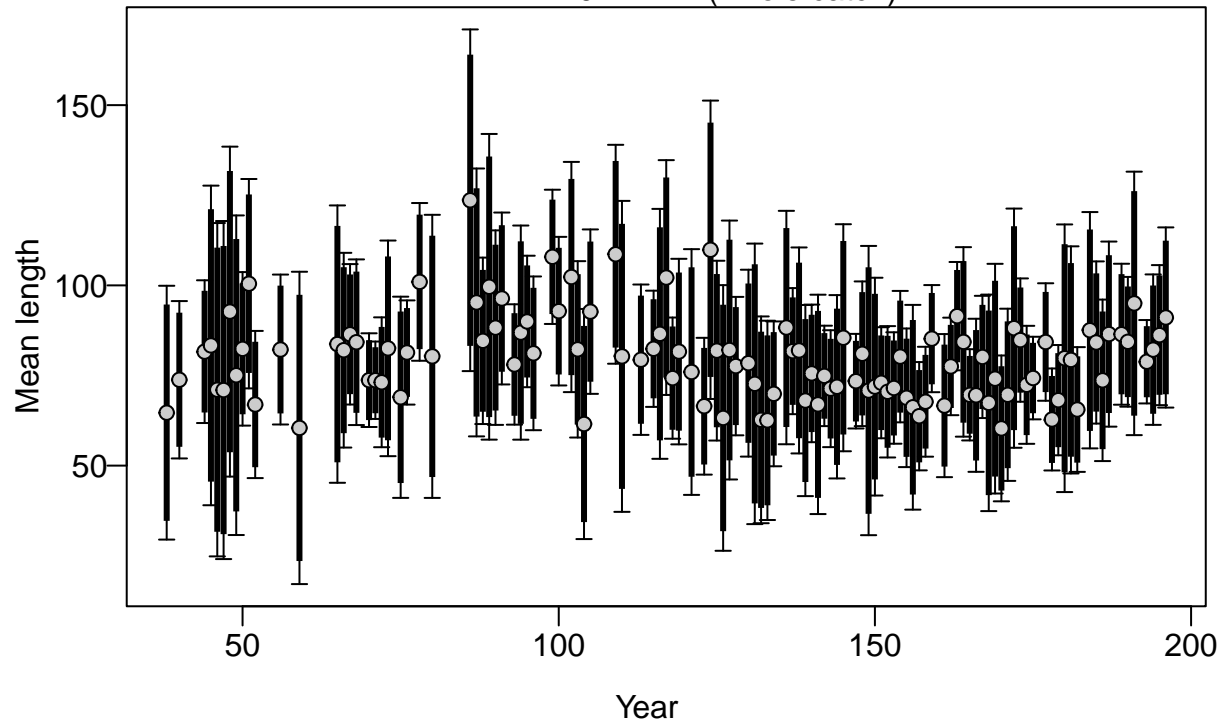
◦ 0.01 ○ 0.2

38 49 65 76 87 99 113 127 141 155 169 184

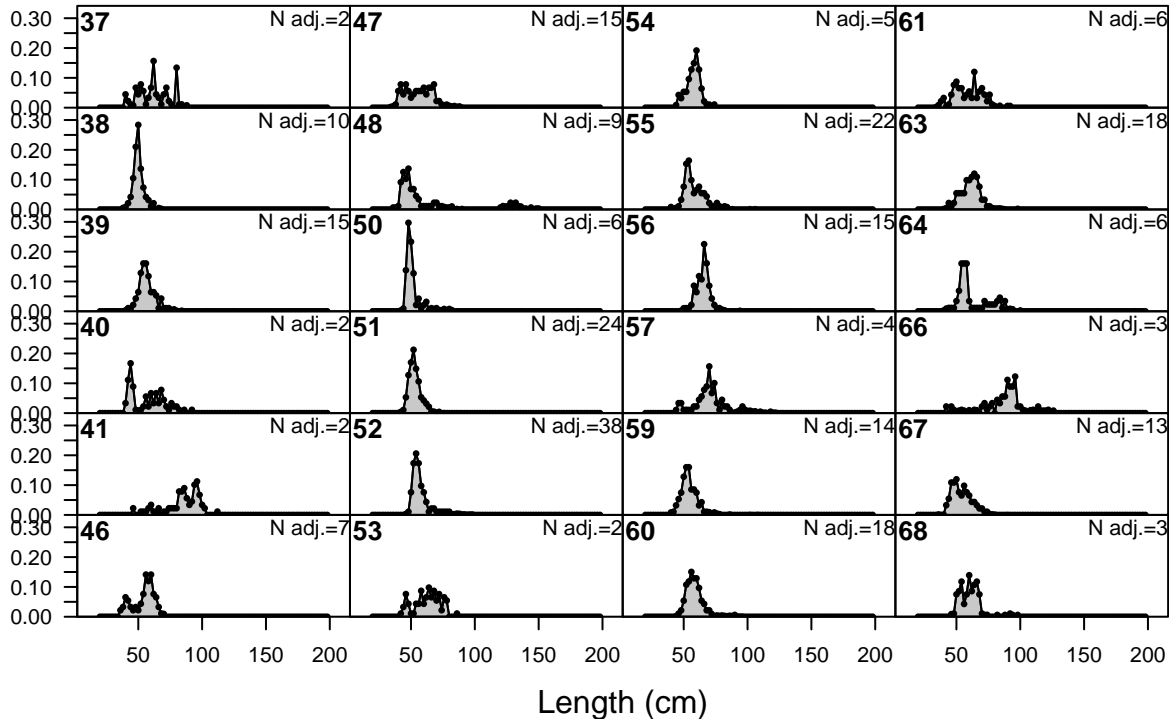
Year



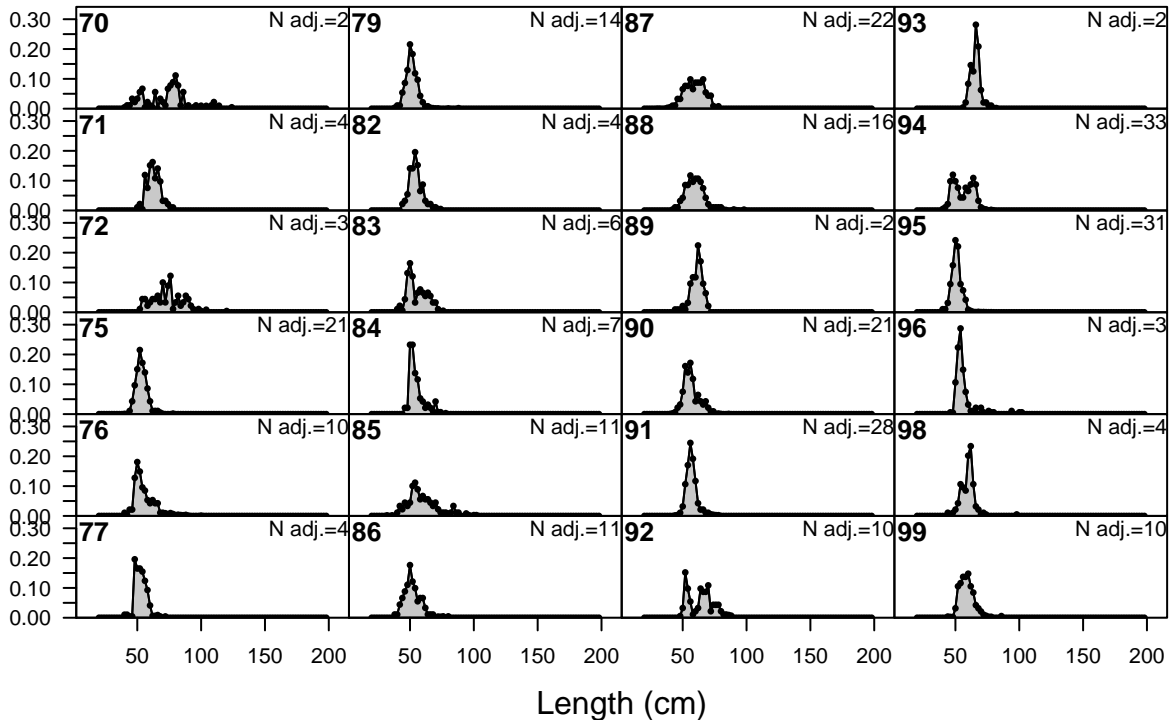
F20.DEL.N (whole catch)

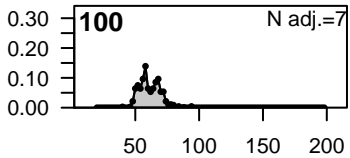


Proportion



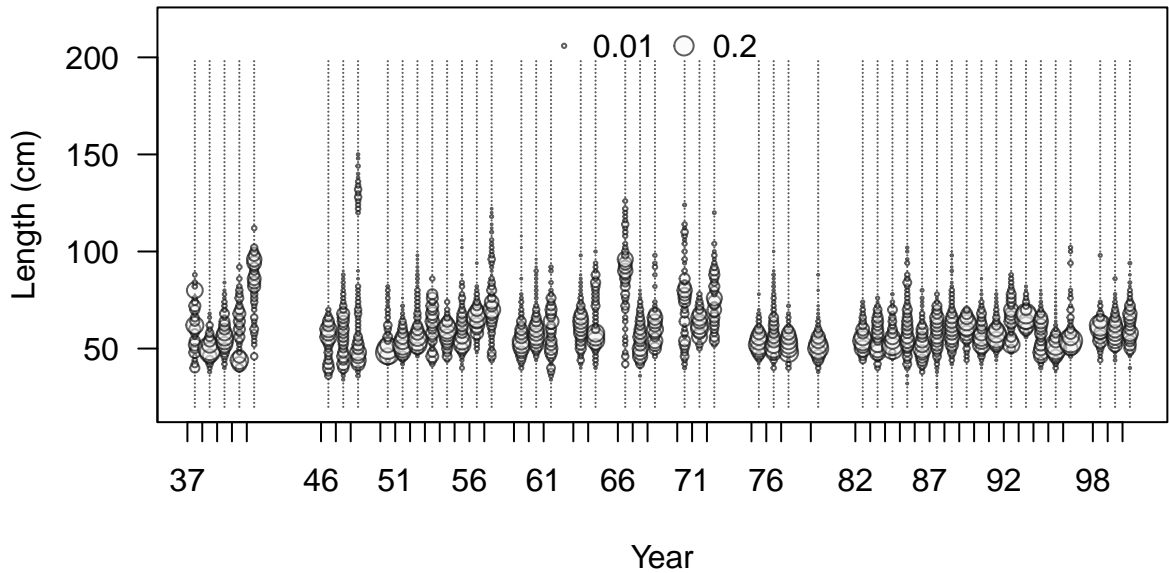
Proportion



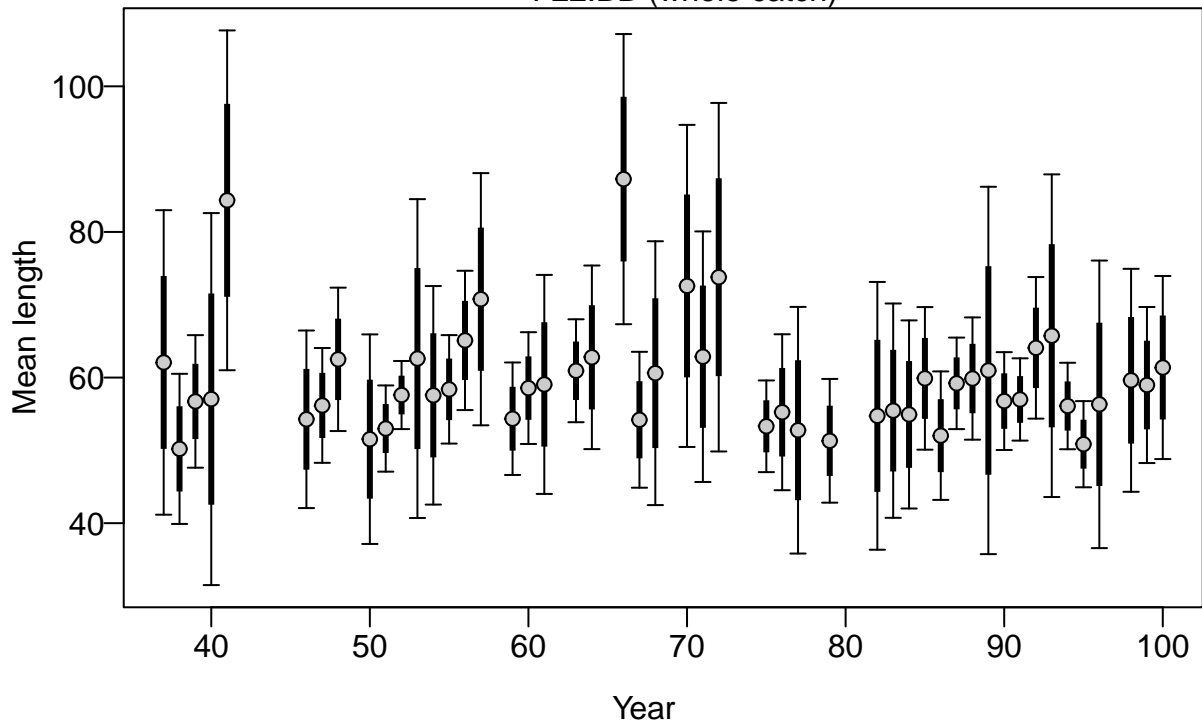


Proportion

Length (cm)



F22.BB (whole catch)



S1.PS_VAST

Sum of N adj.=18861

Proportion

0.15

0.10

0.05

0.00

20

40

60

80

100

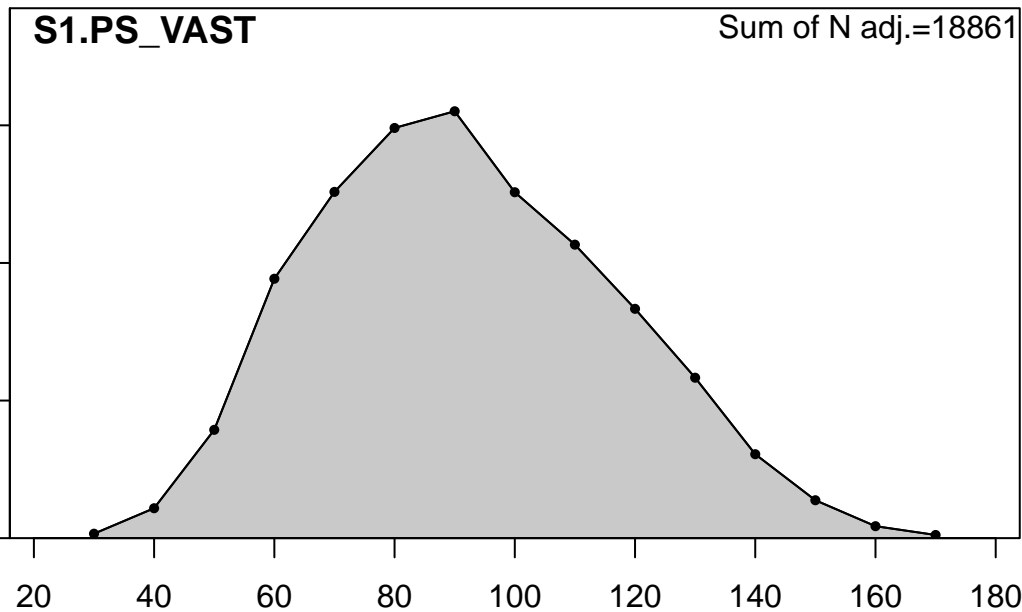
120

140

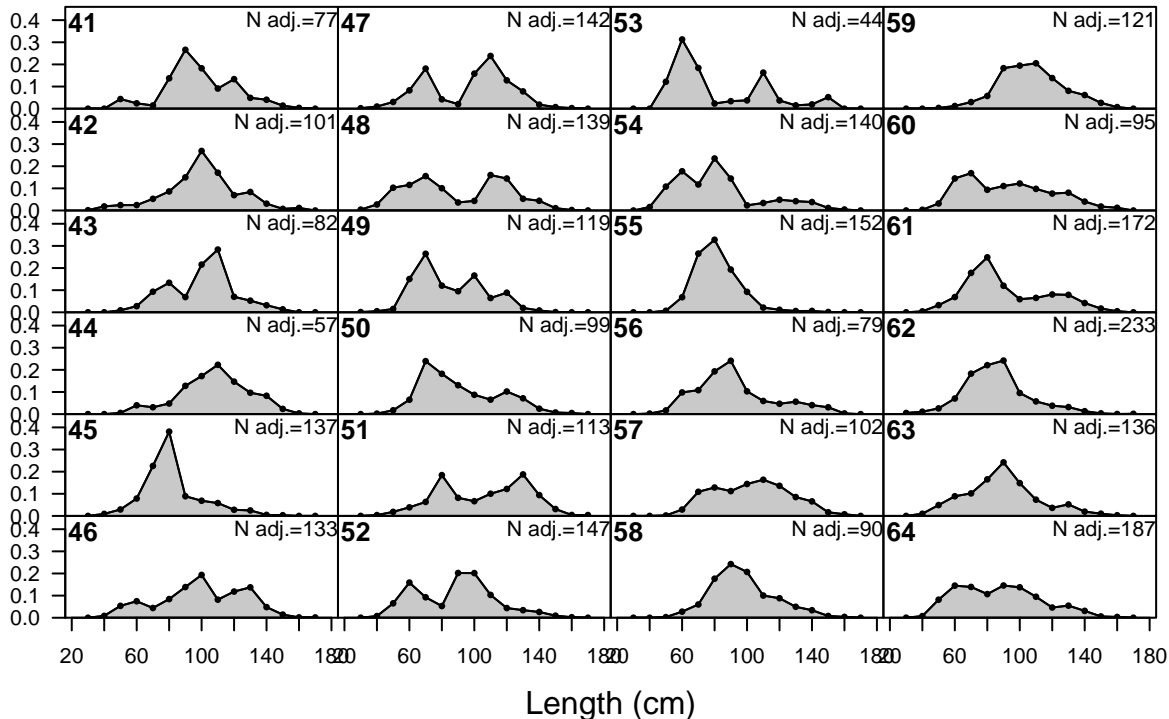
160

180

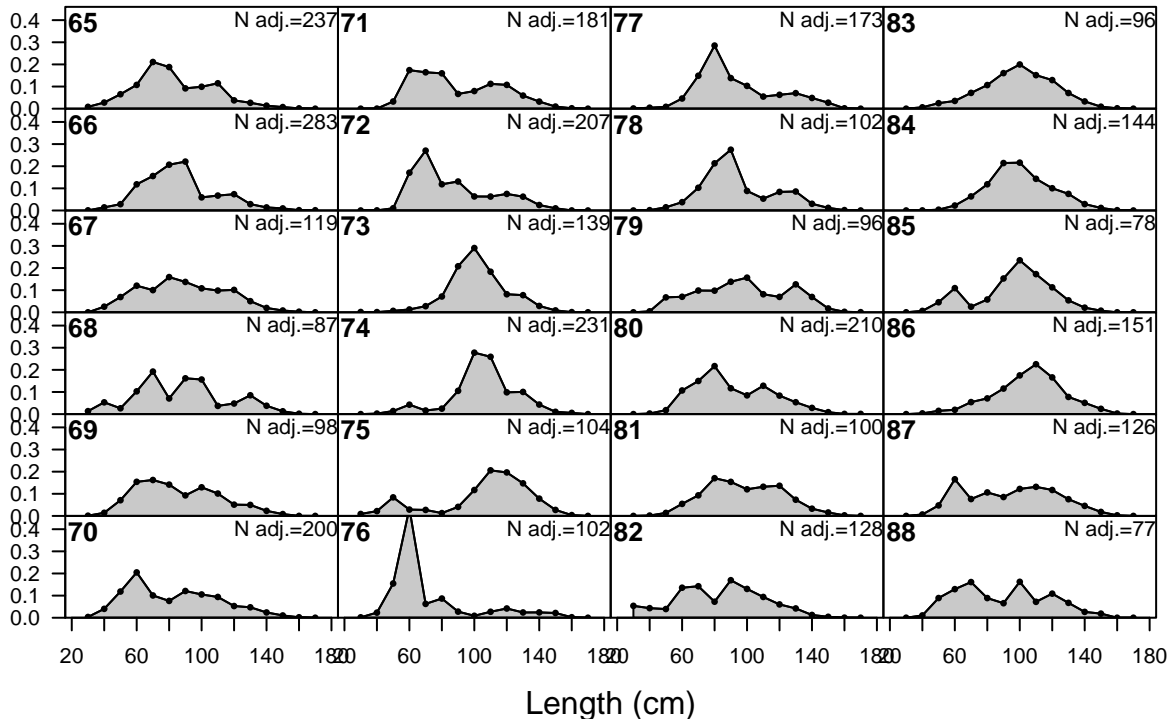
Length (cm)



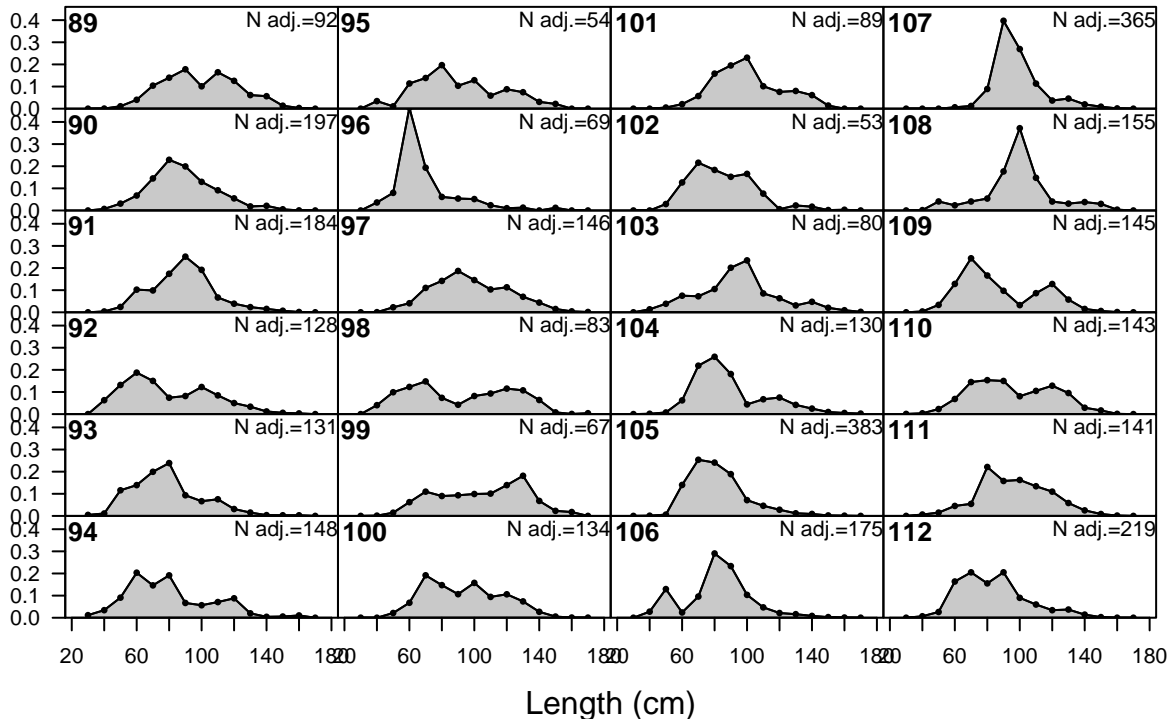
Proportion



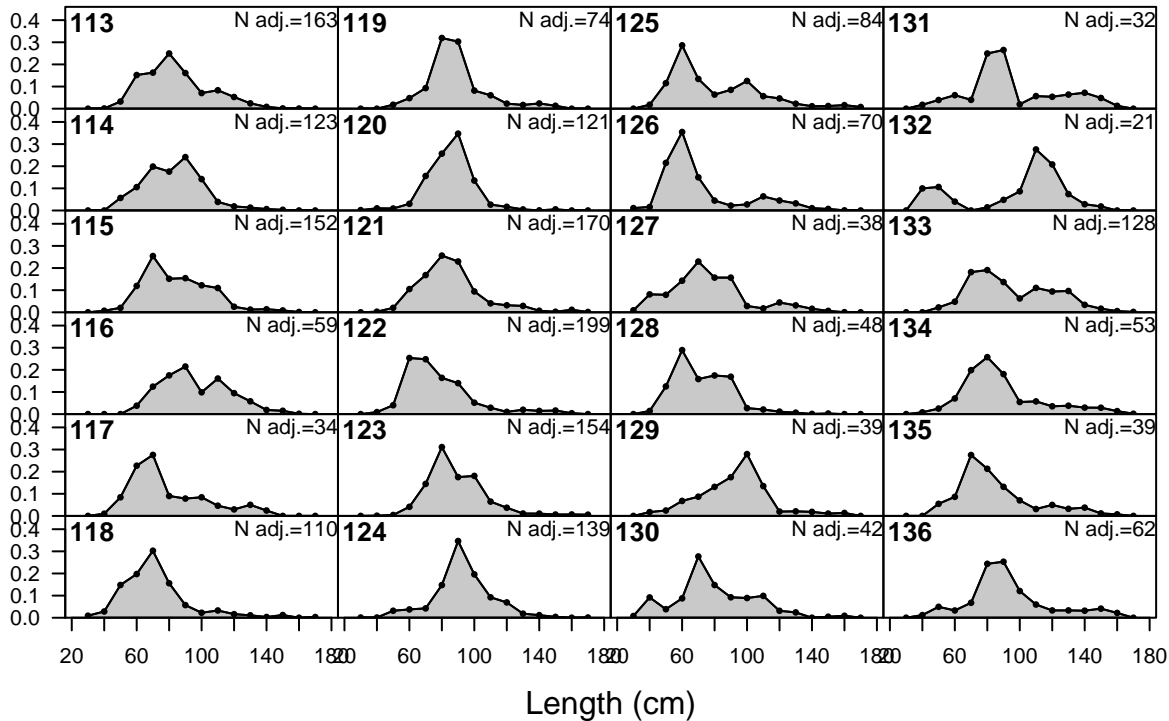
Proportion



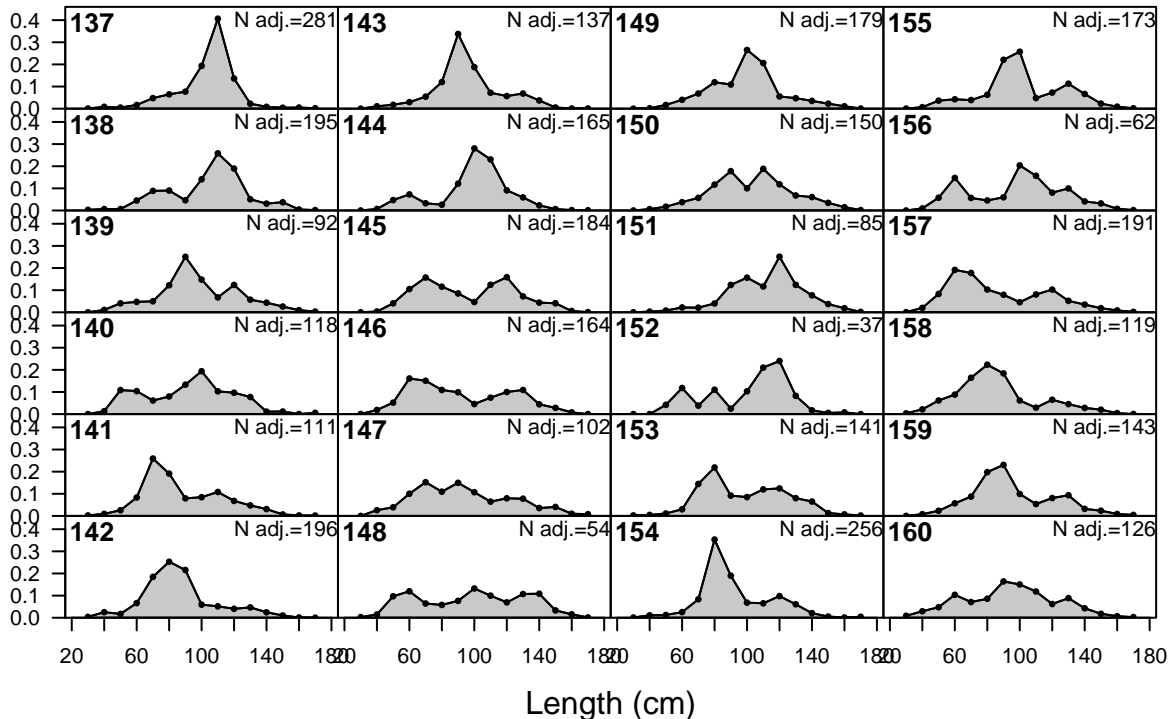
Proportion



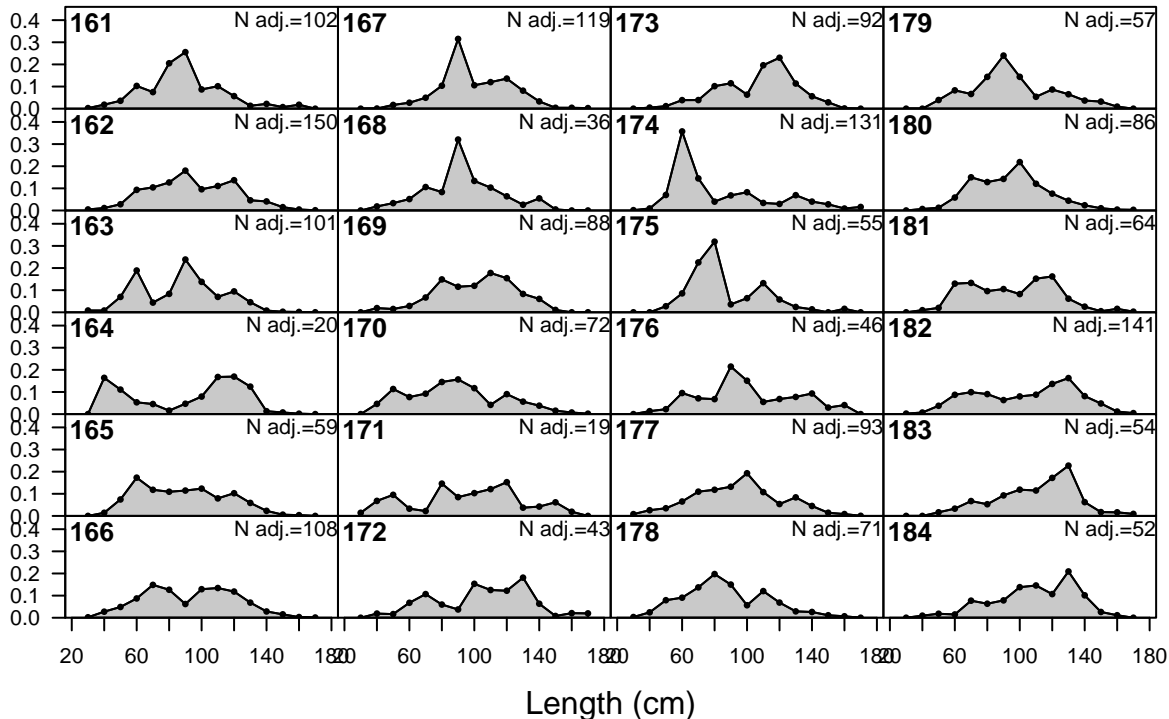
Proportion



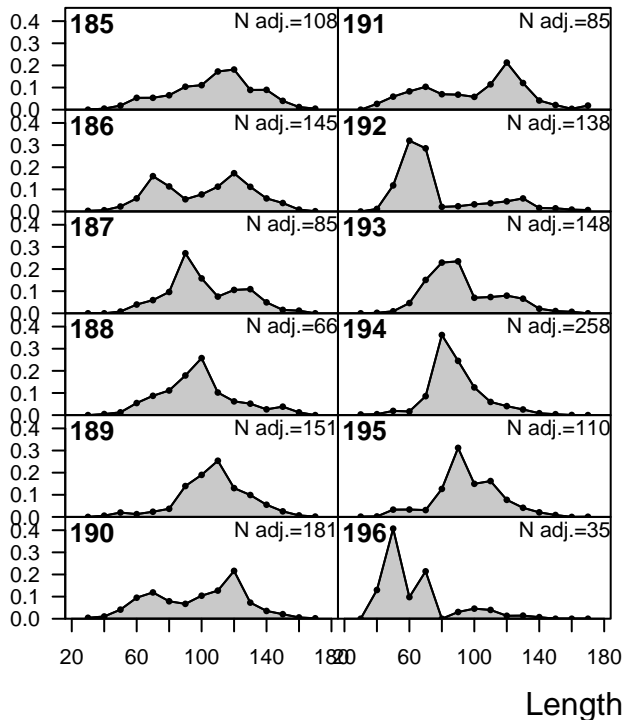
Proportion

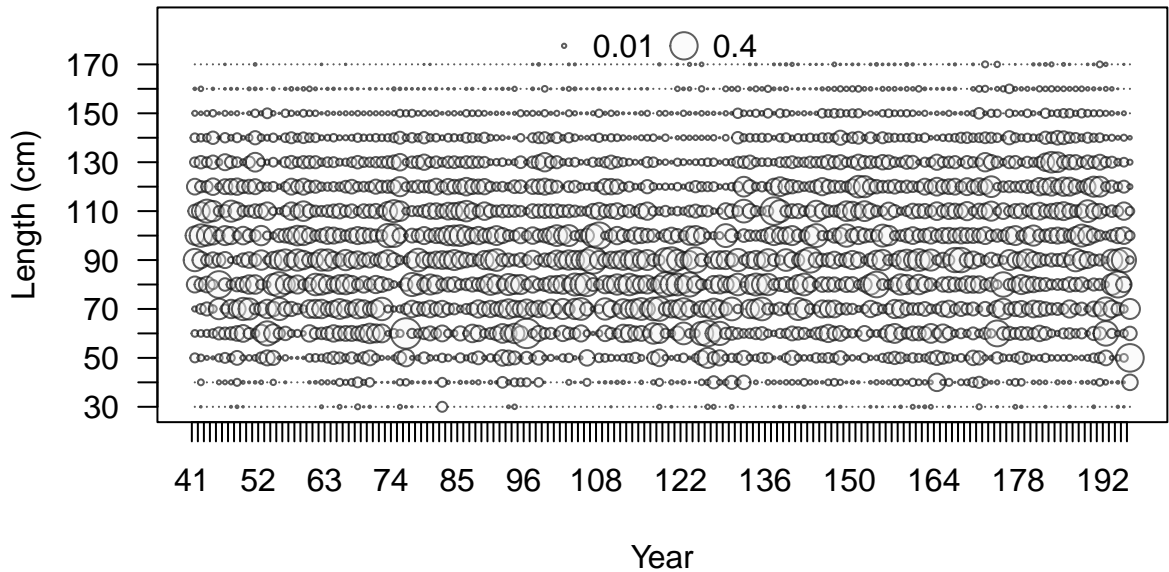


Proportion

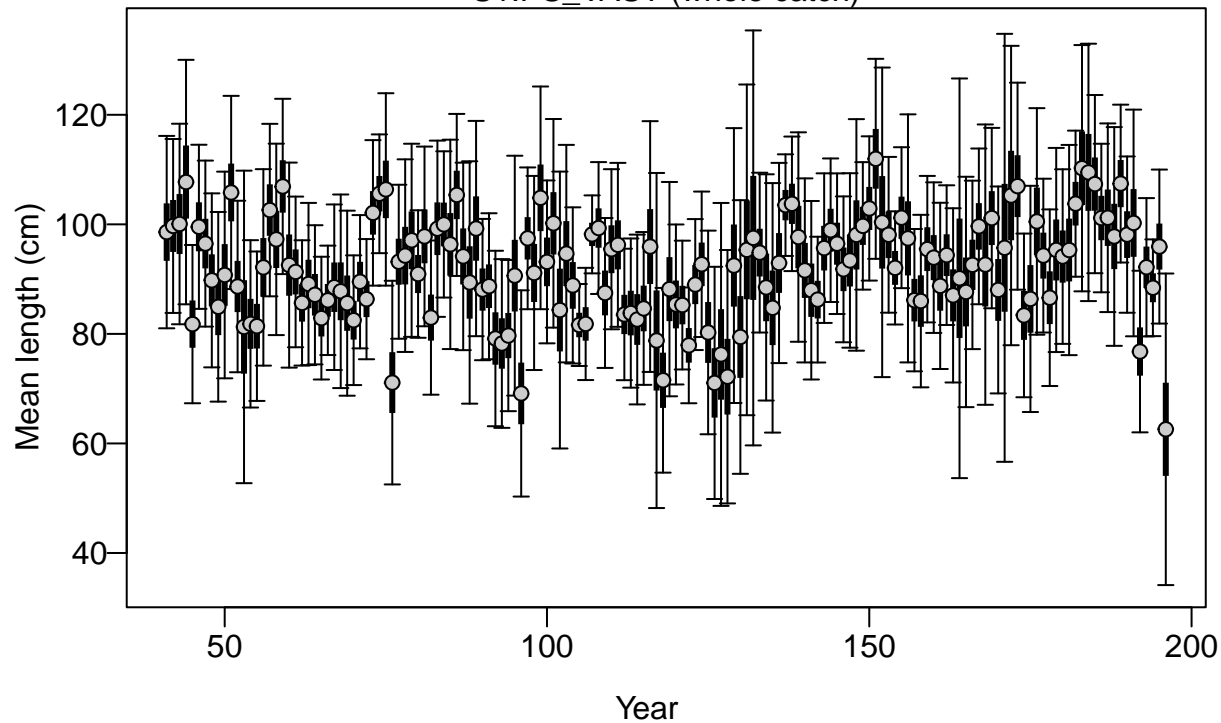


Proportion

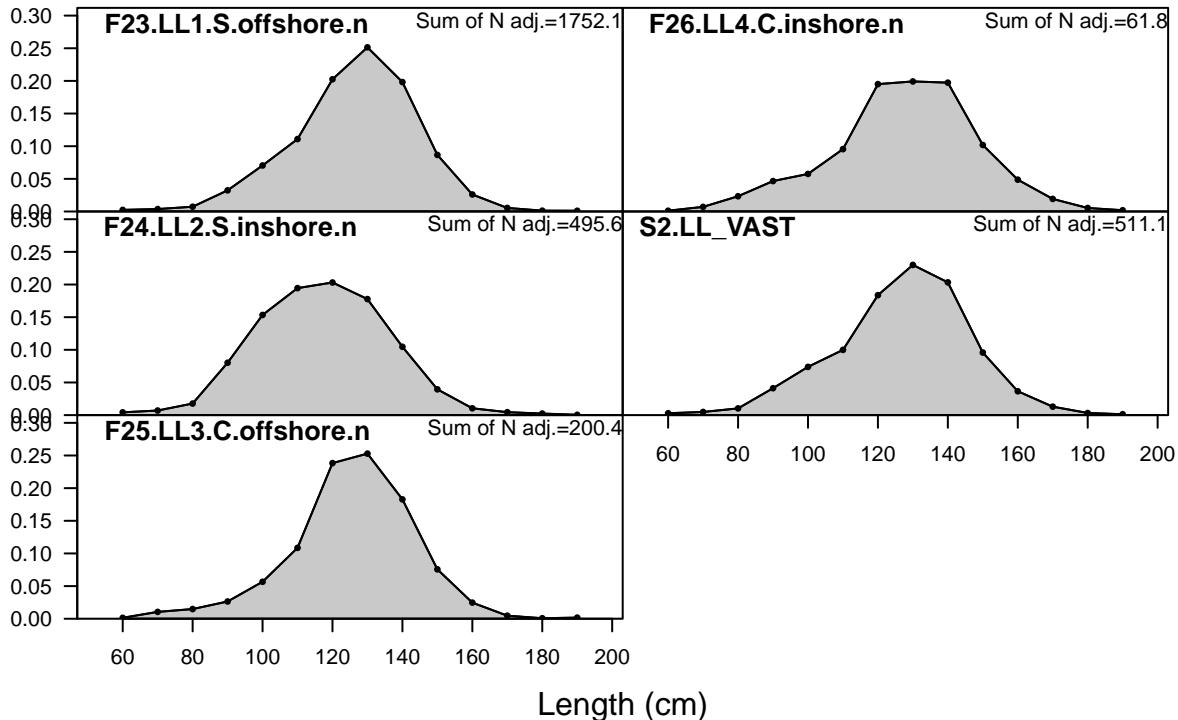




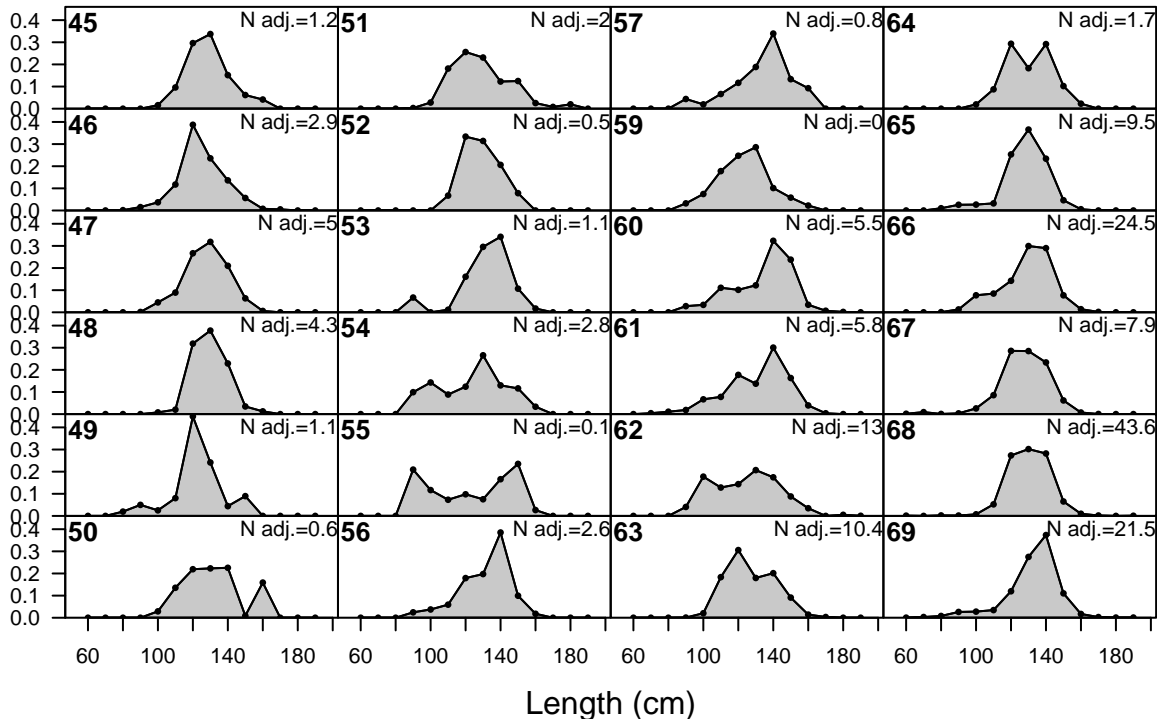
S1.PS_VAST (whole catch)



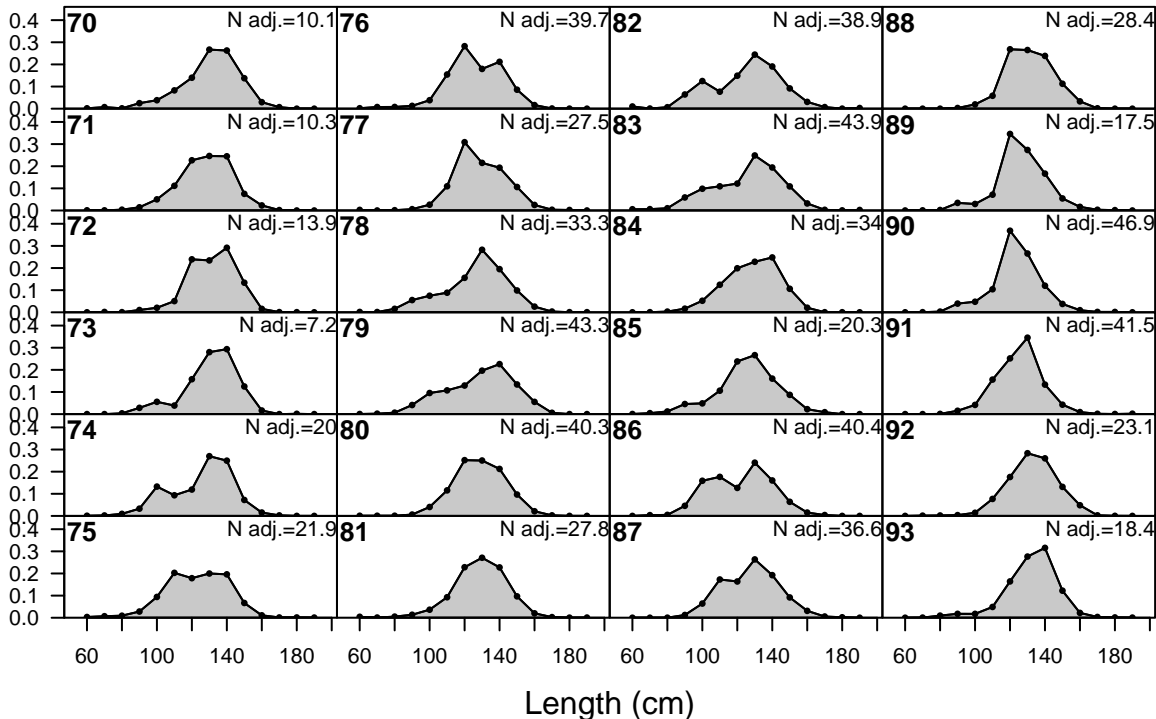
Proportion



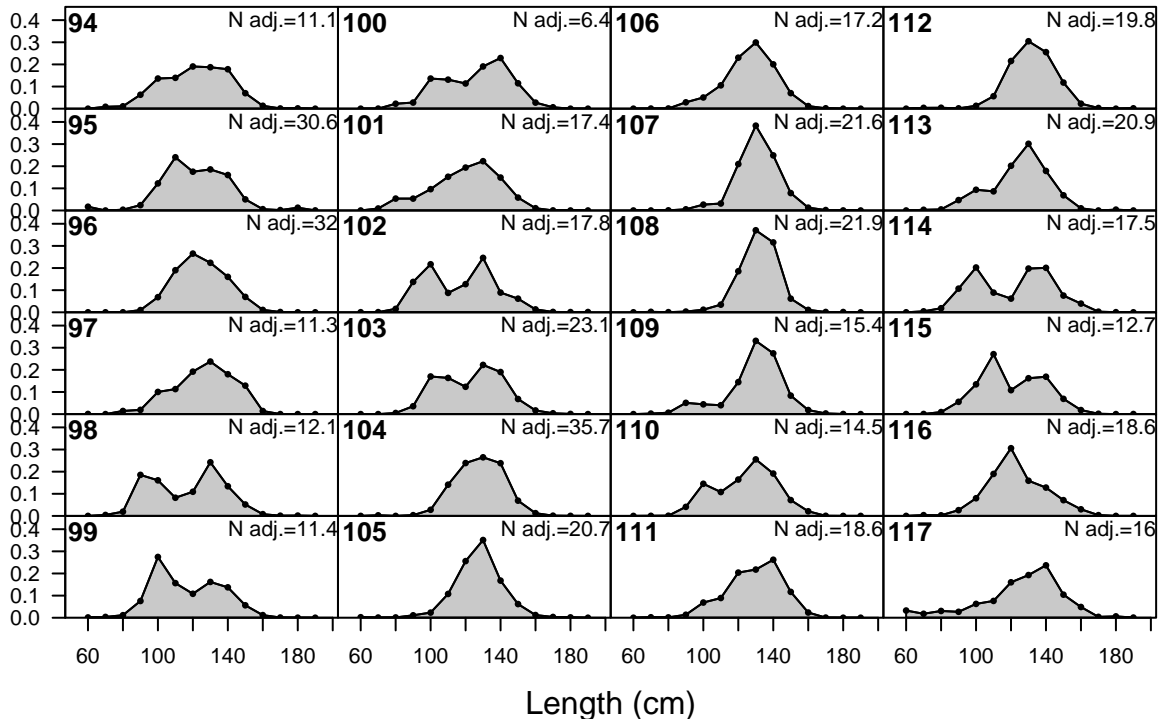
Proportion



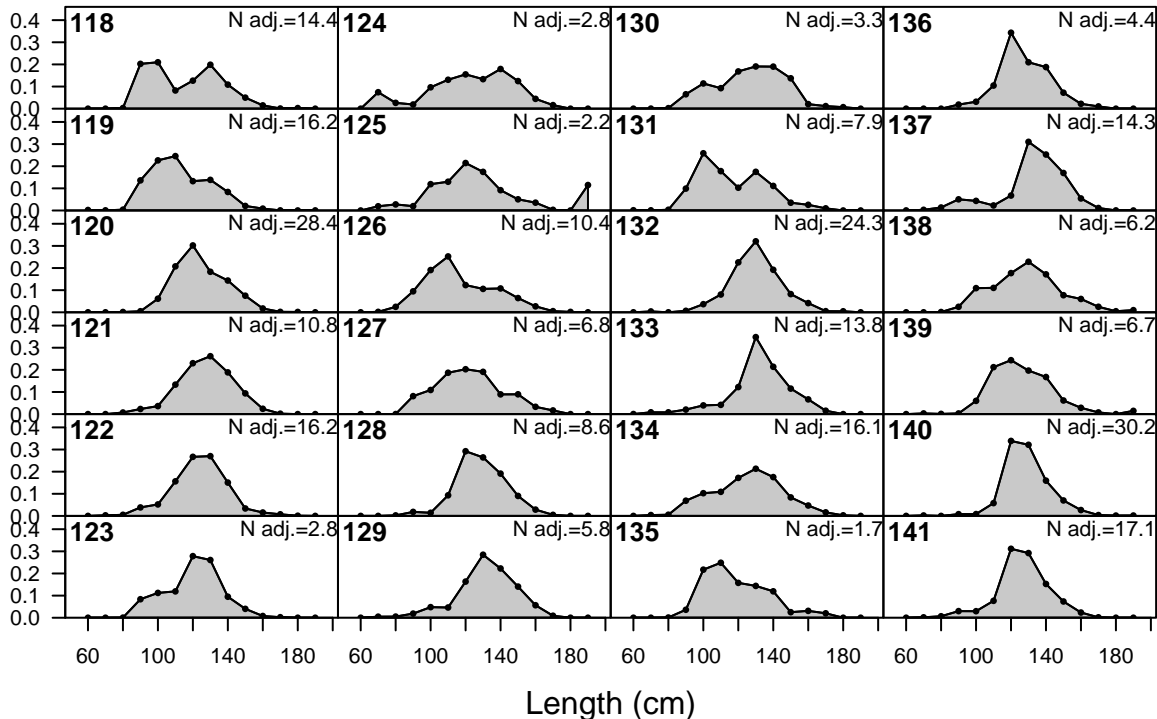
Proportion



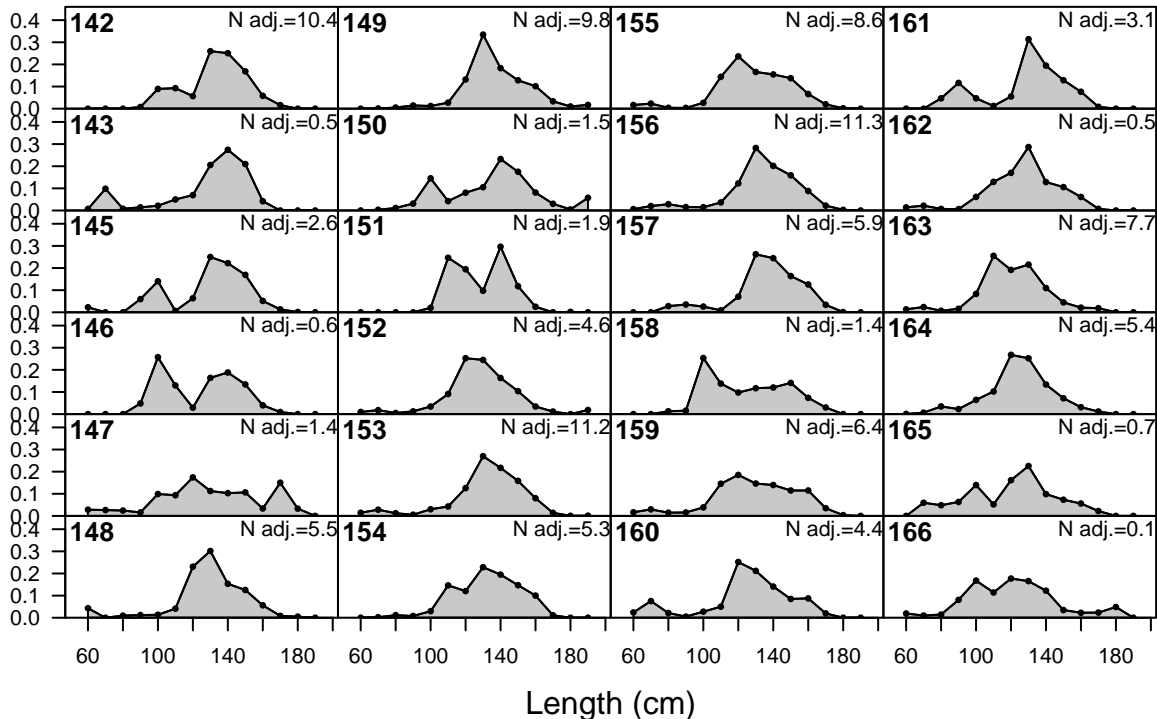
Proportion



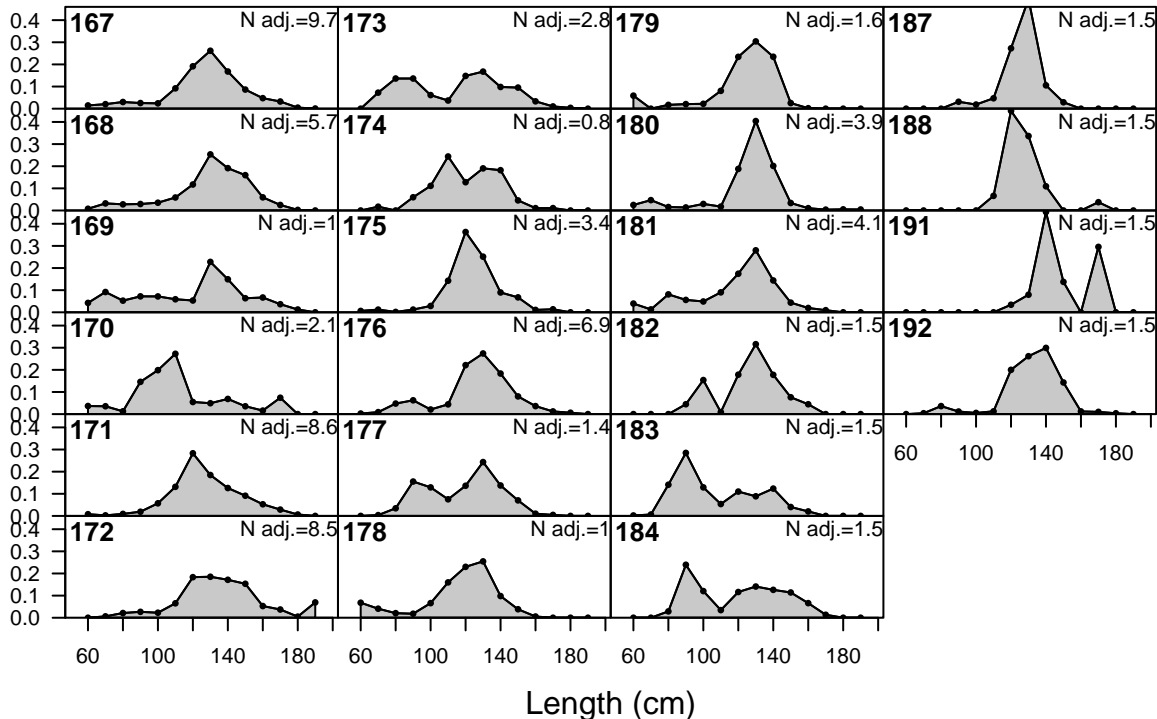
Proportion

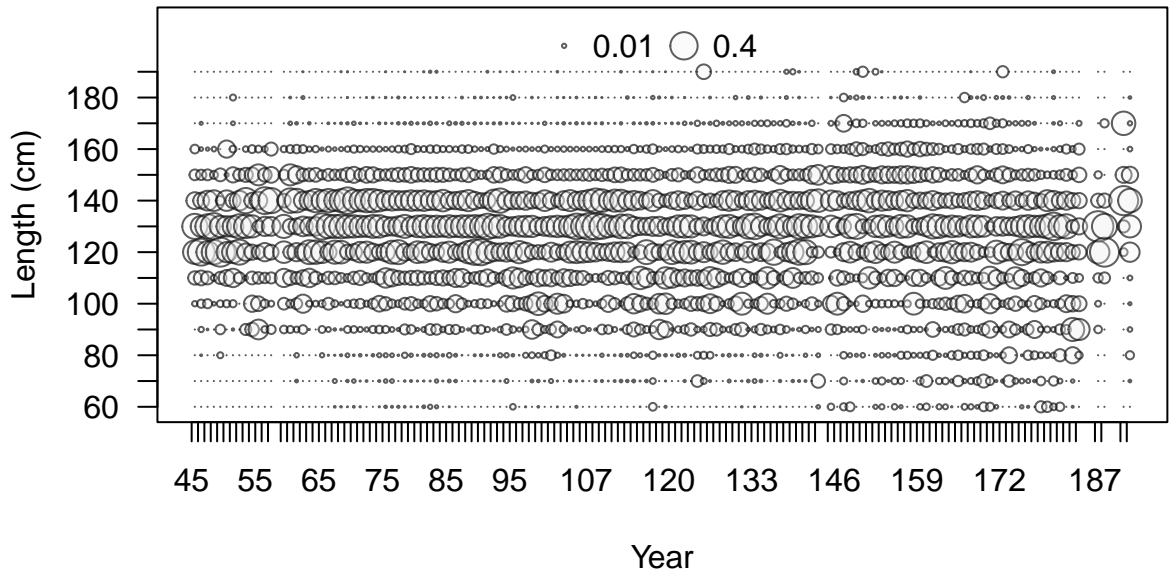


Proportion

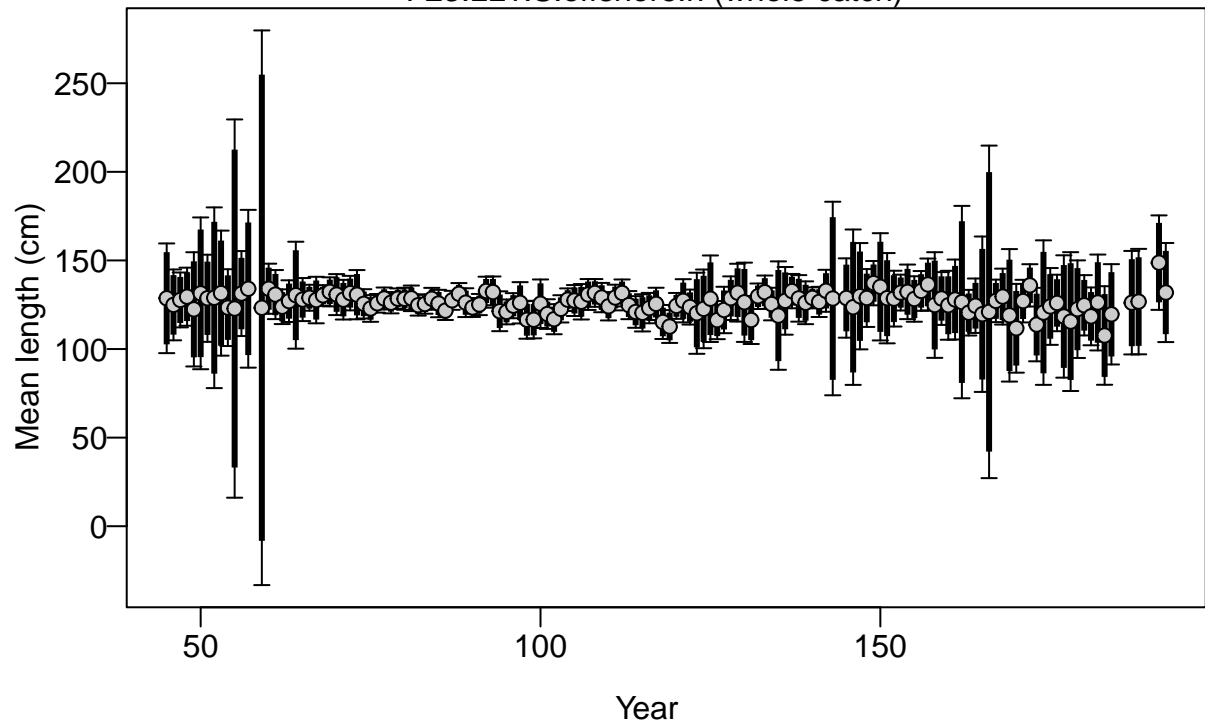


Proportion

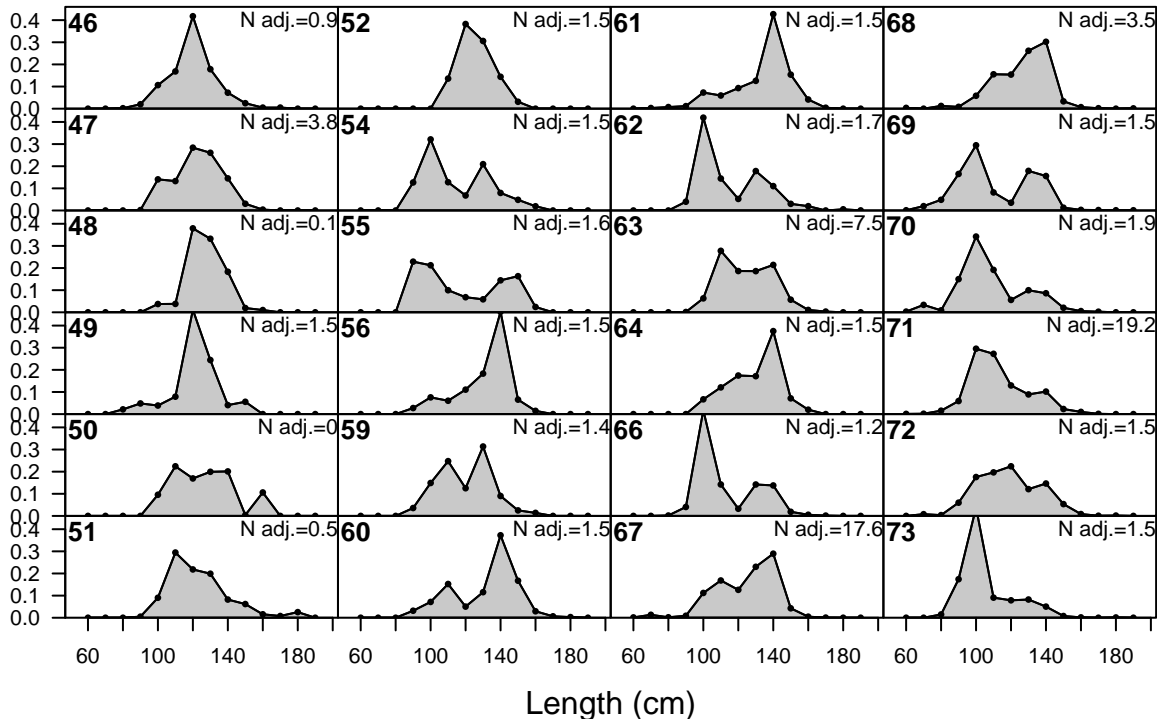




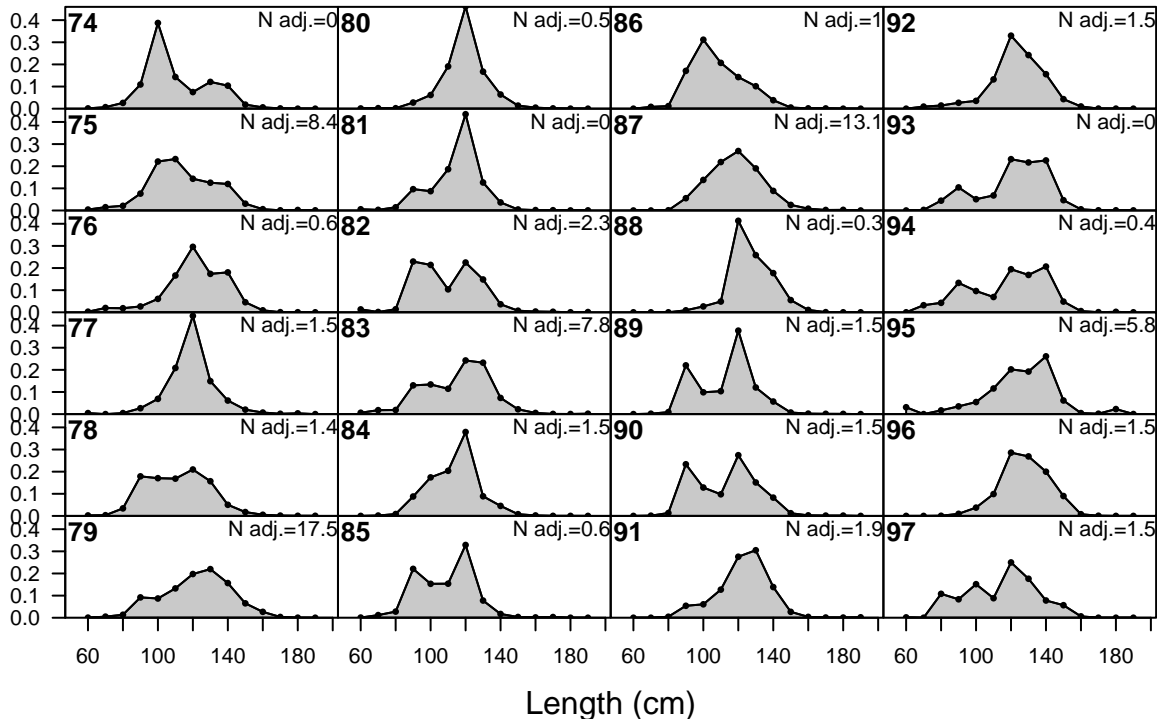
F23.LL1.S.offshore.n (whole catch)



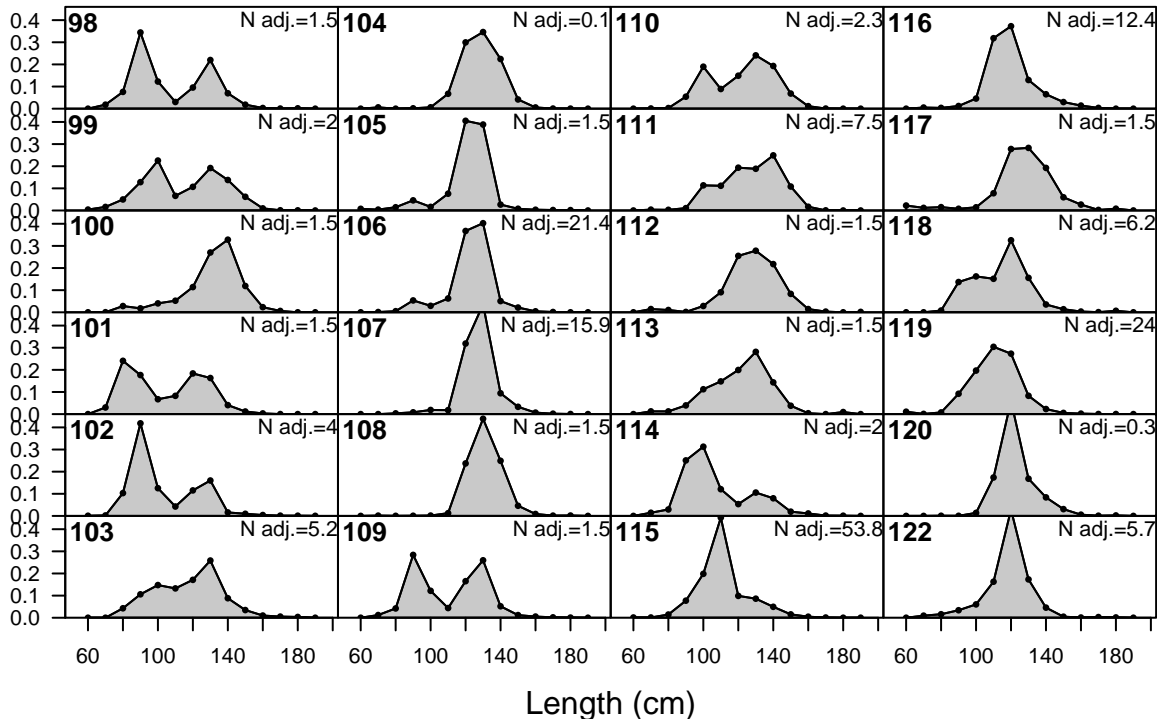
Proportion



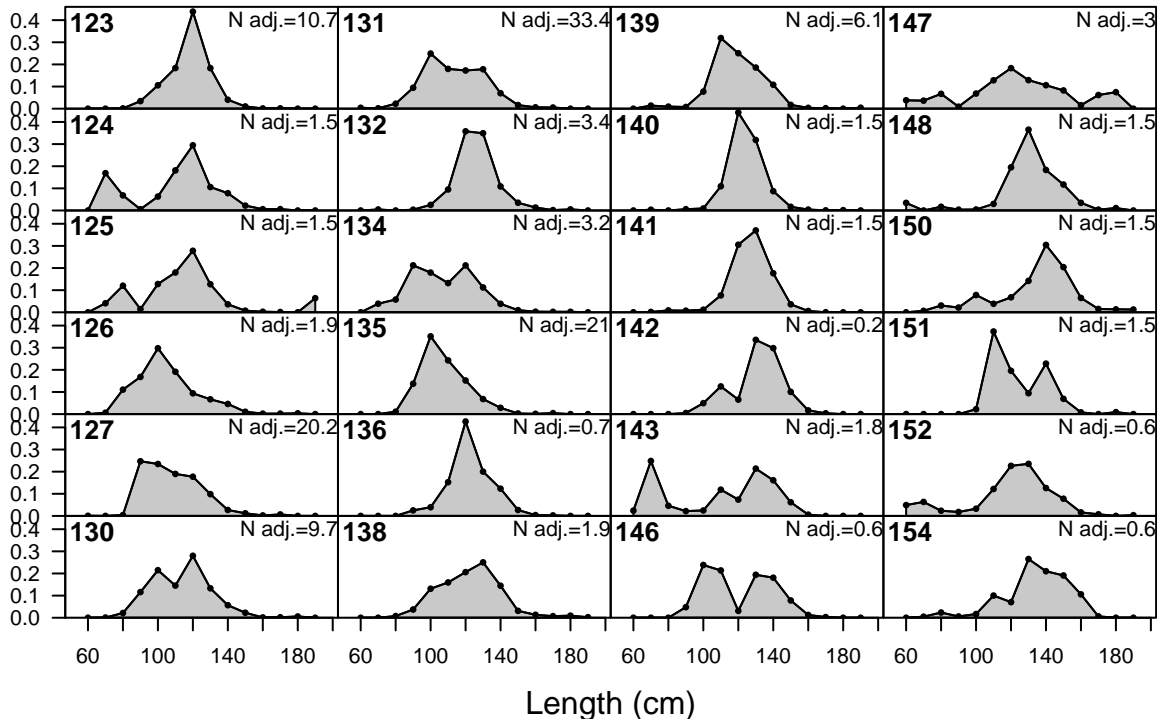
Proportion



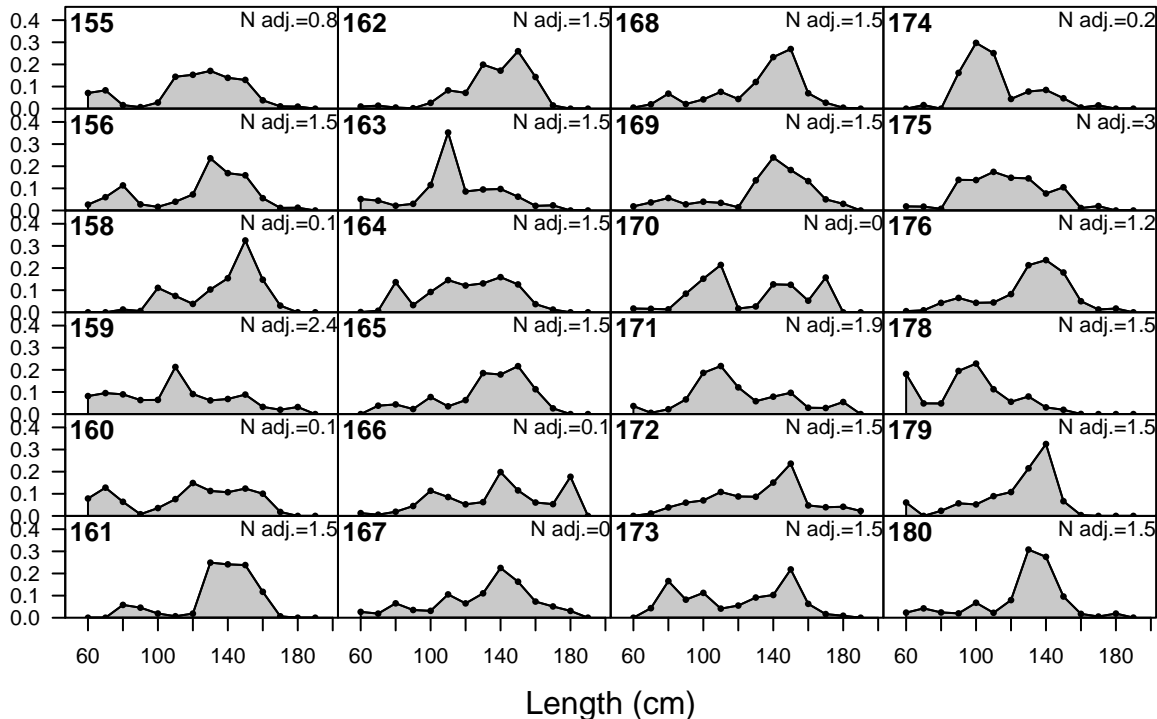
Proportion



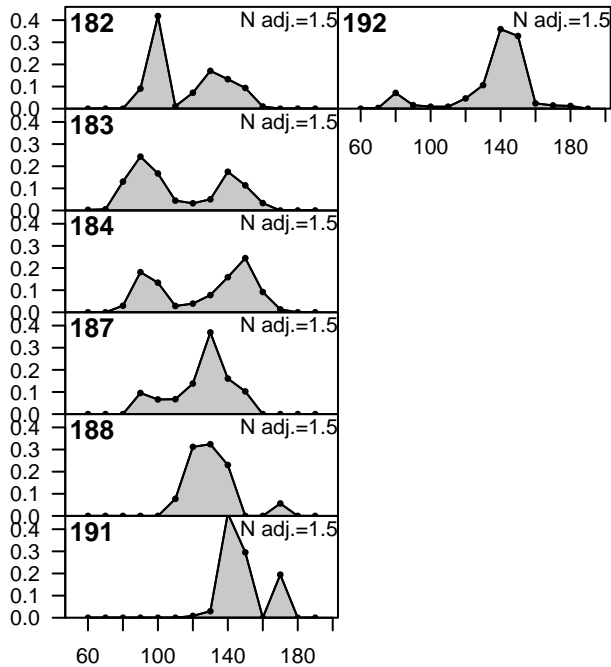
Proportion



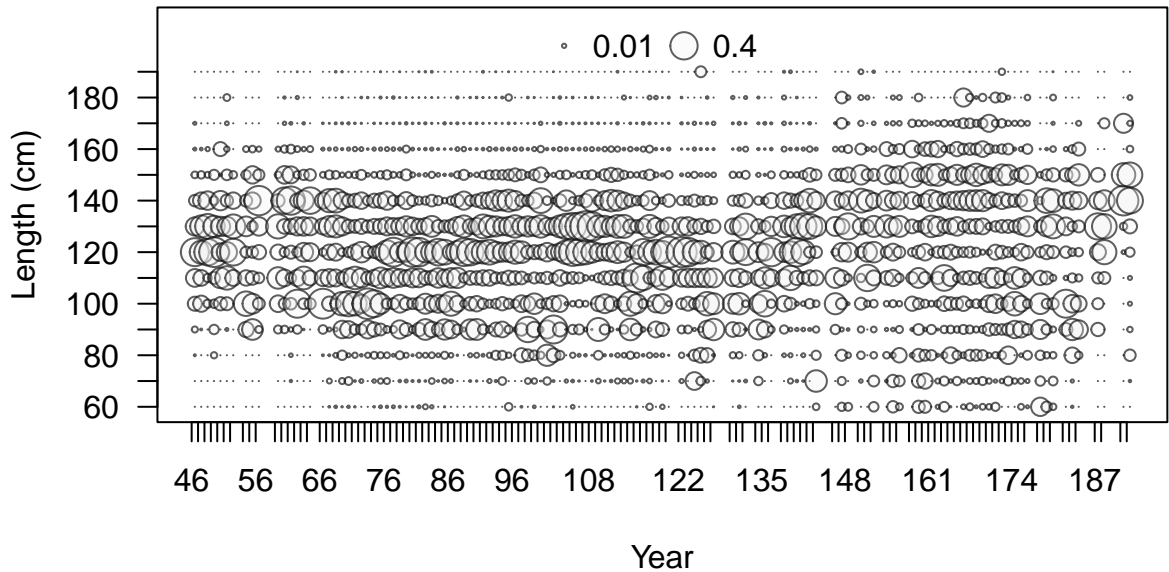
Proportion



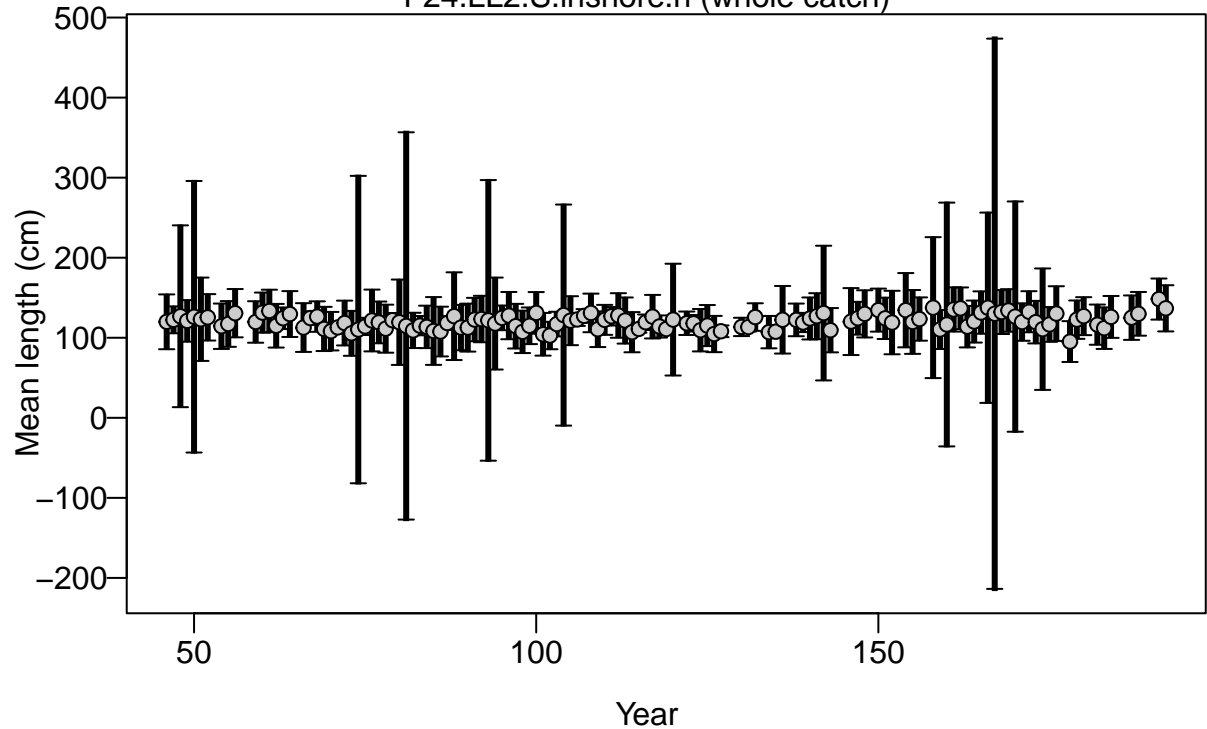
Proportion



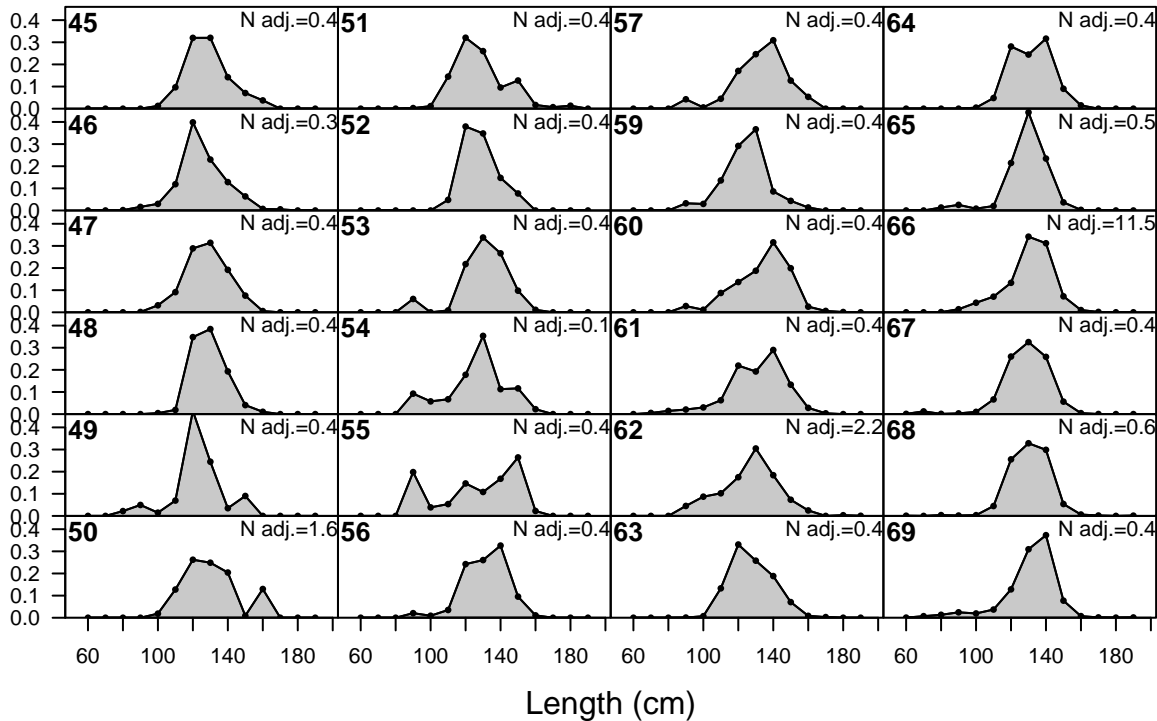
Length (cm)



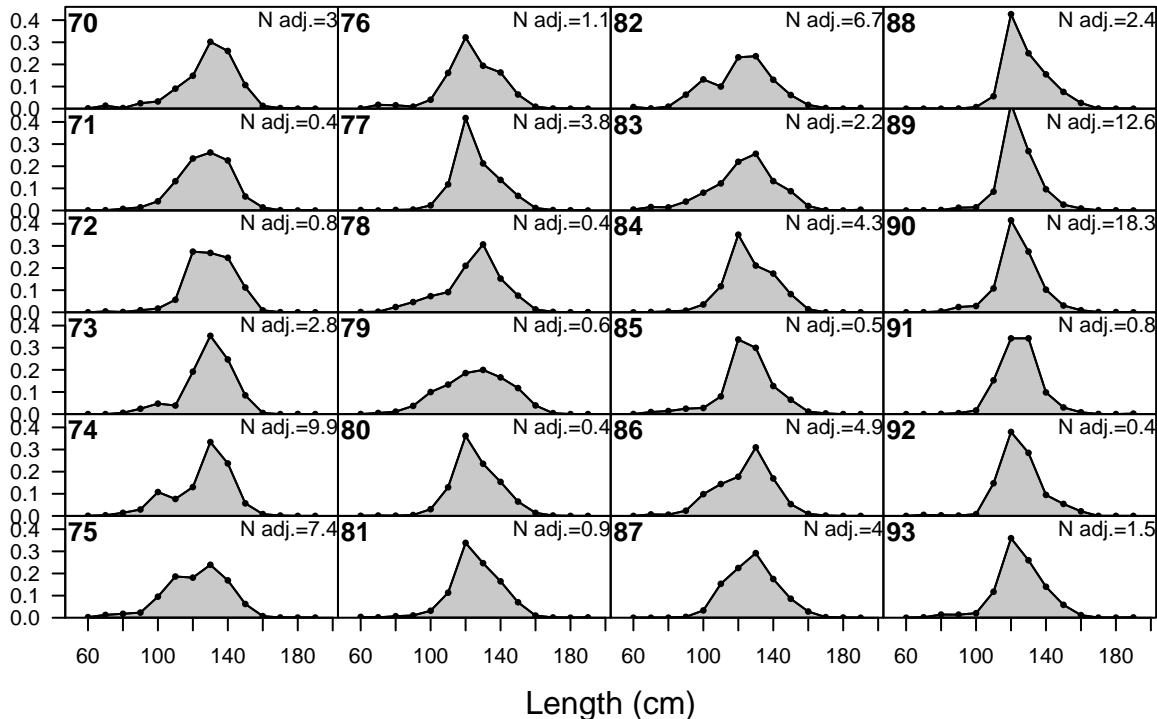
F24.LL2.S.inshore.n (whole catch)



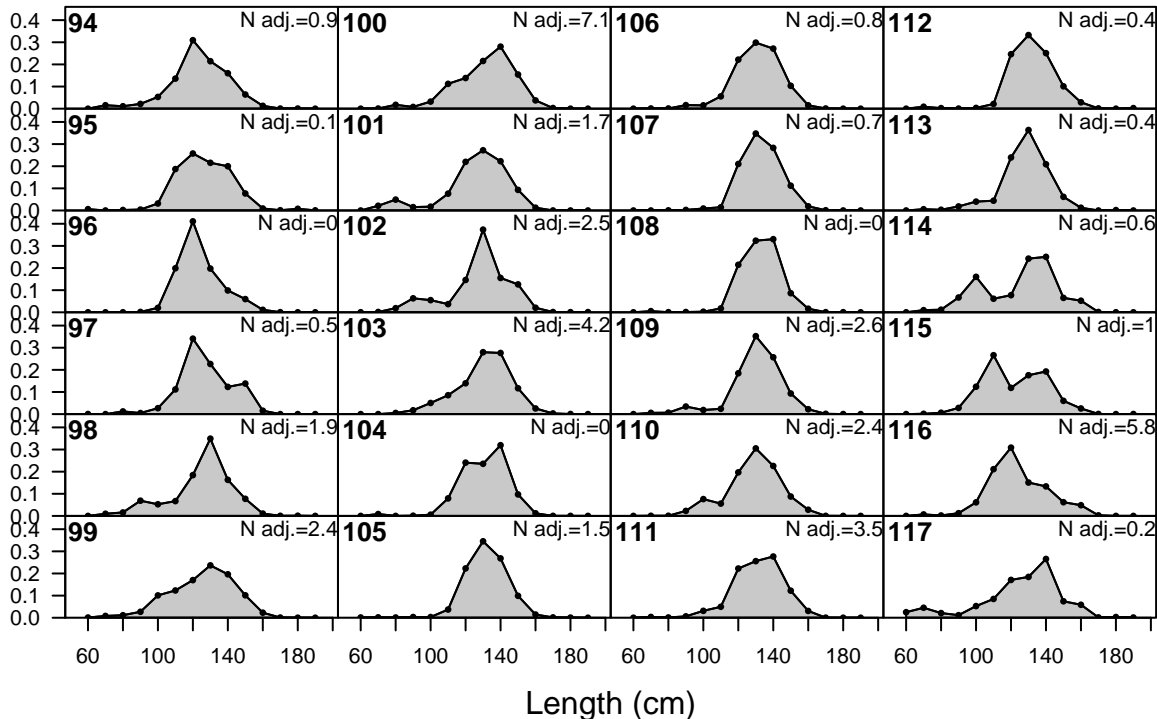
Proportion



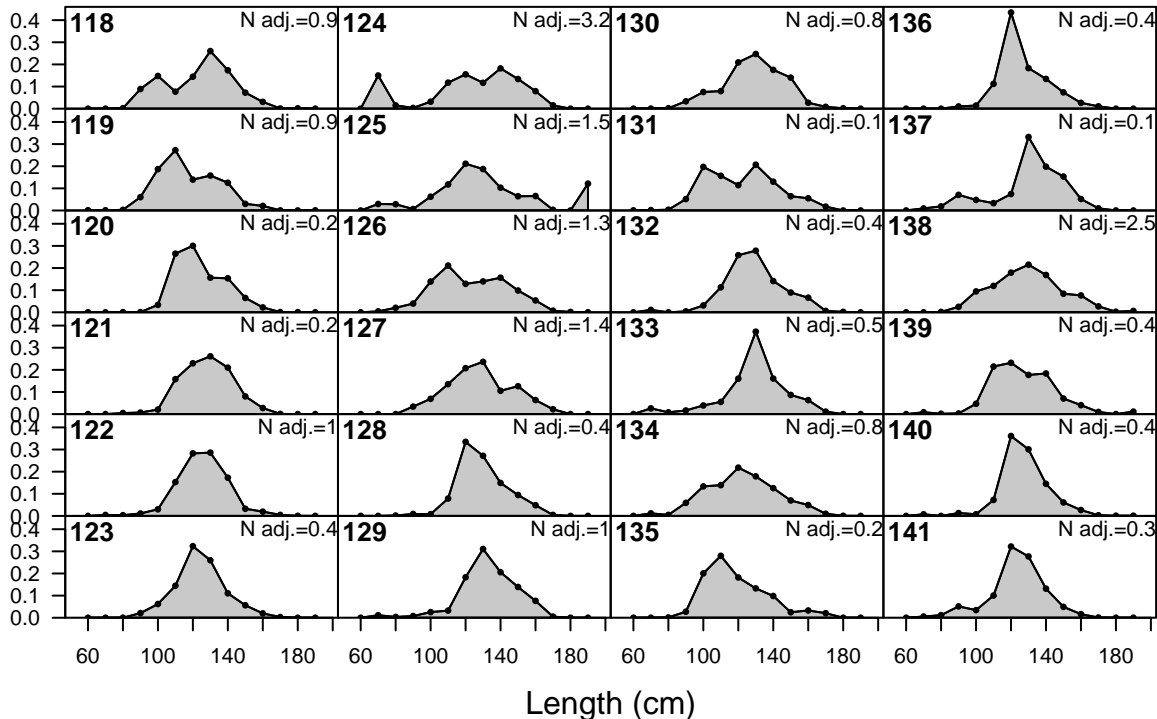
Proportion



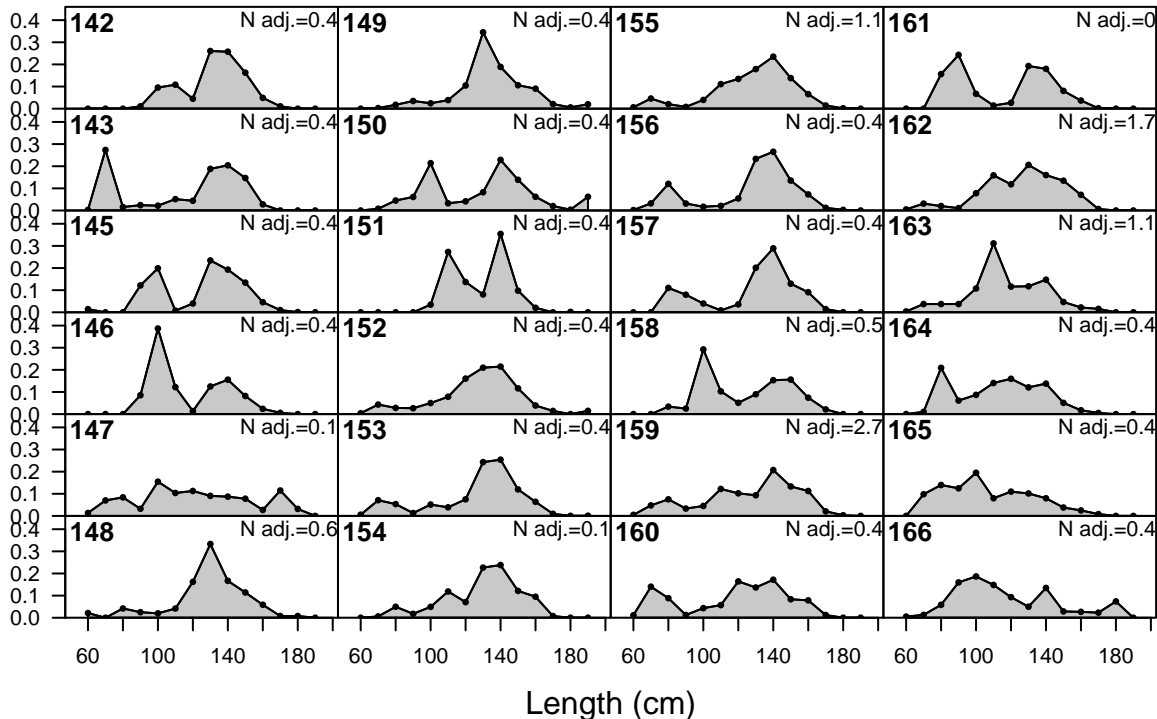
Proportion



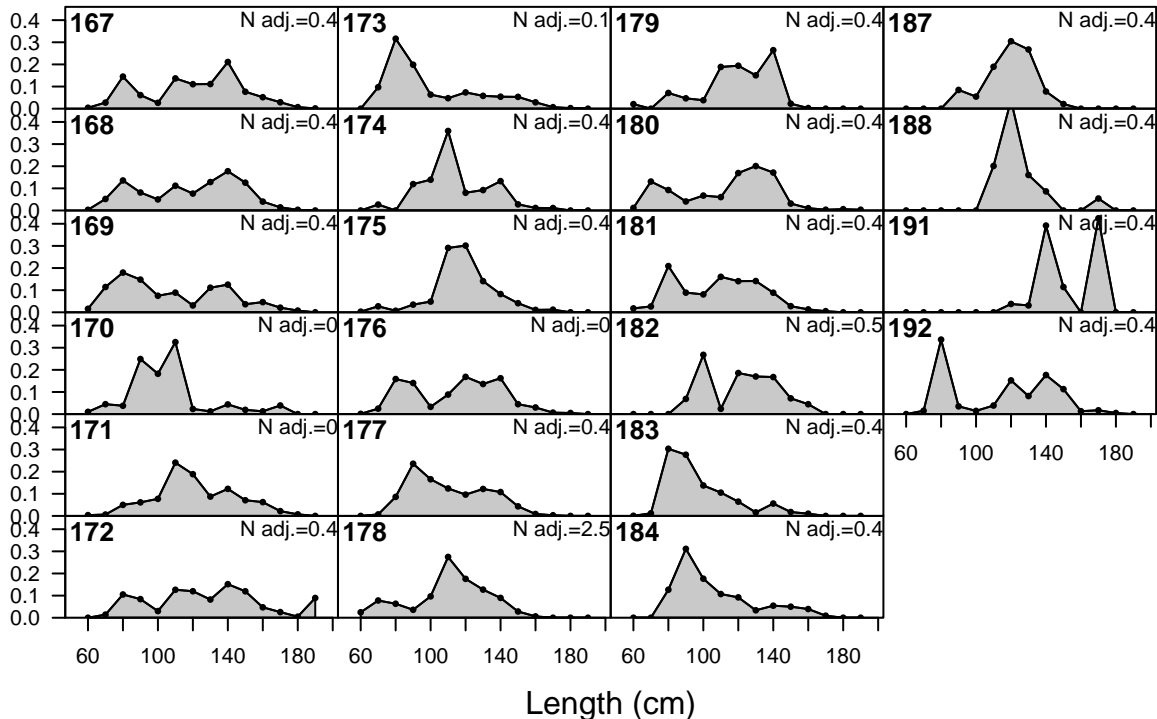
Proportion

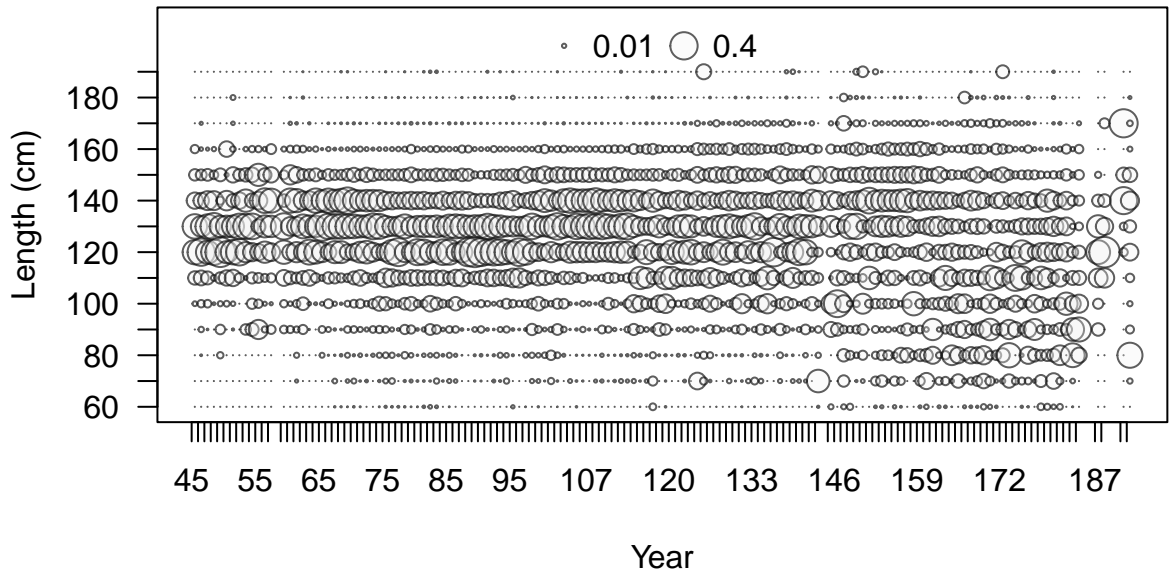


Proportion

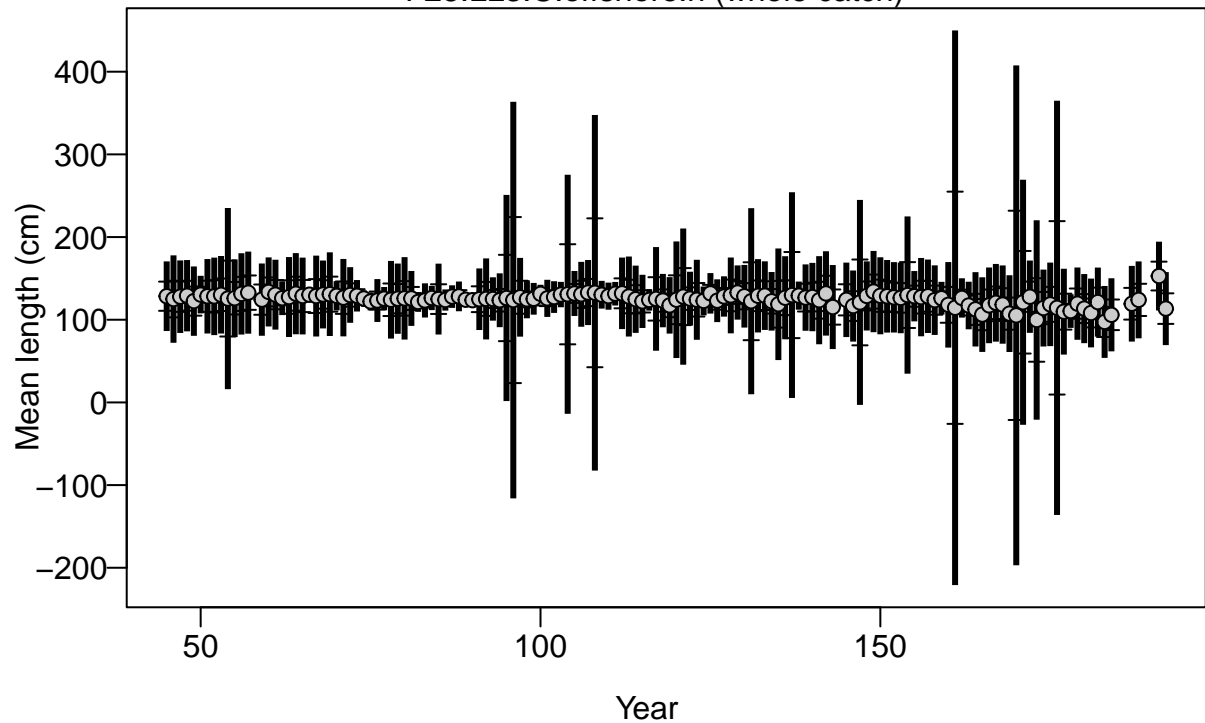


Proportion

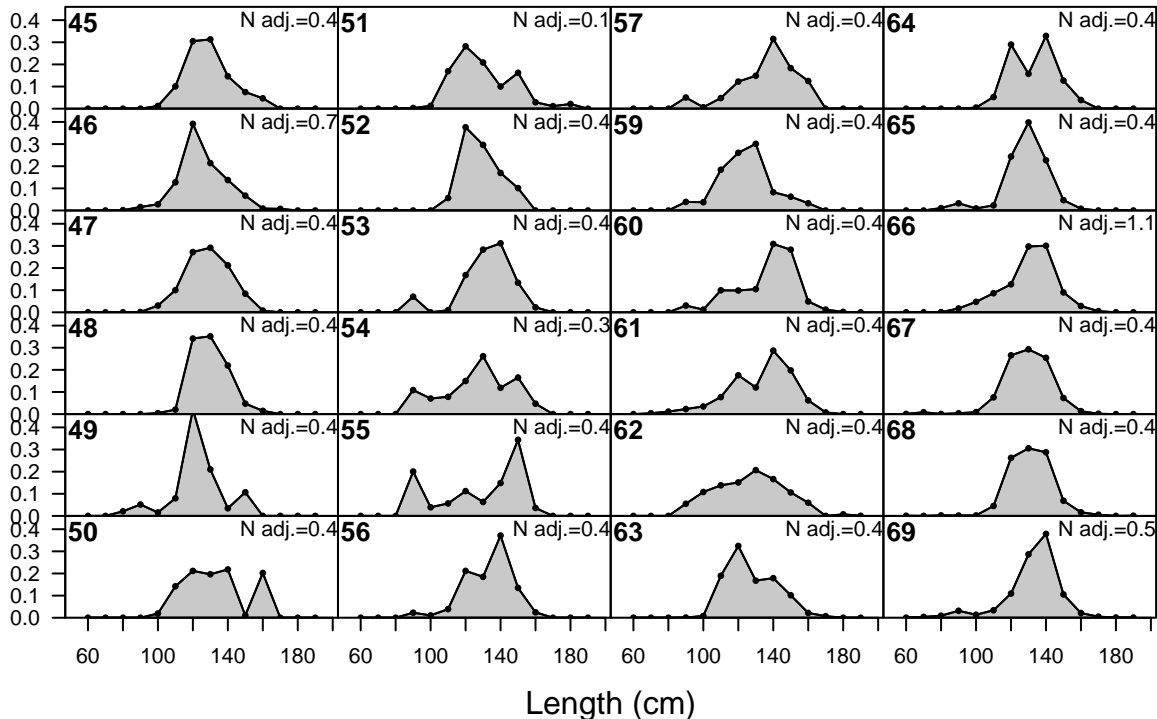




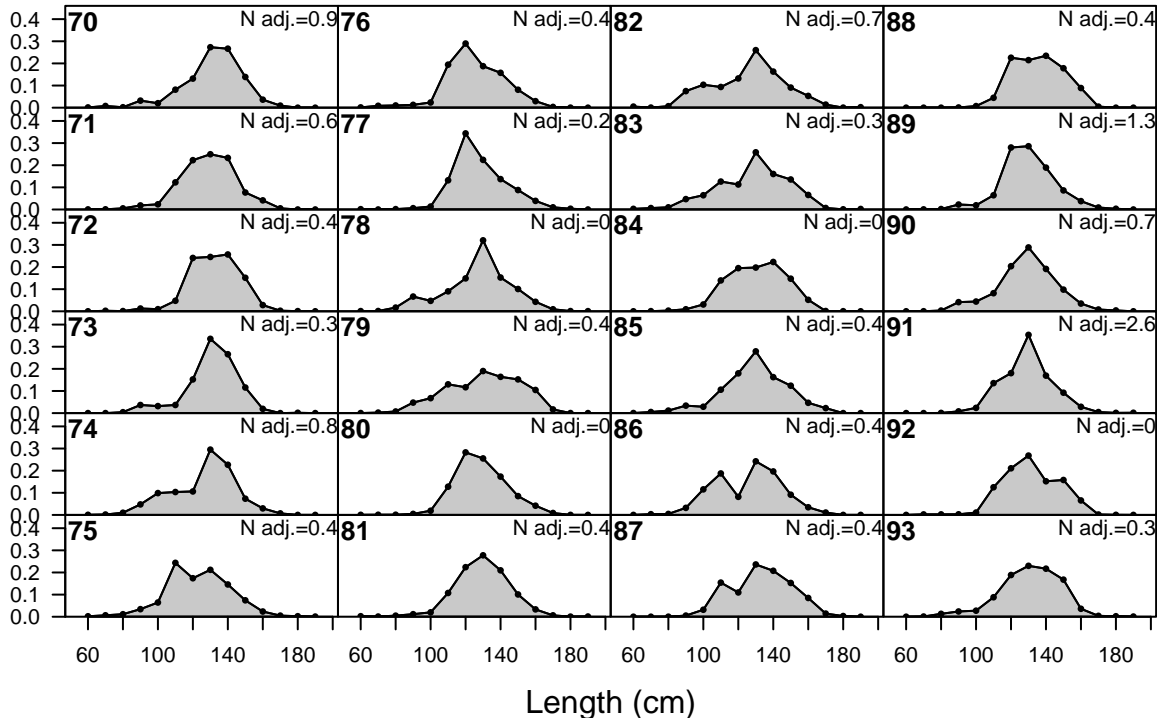
F25.LL3.C.offshore.n (whole catch)



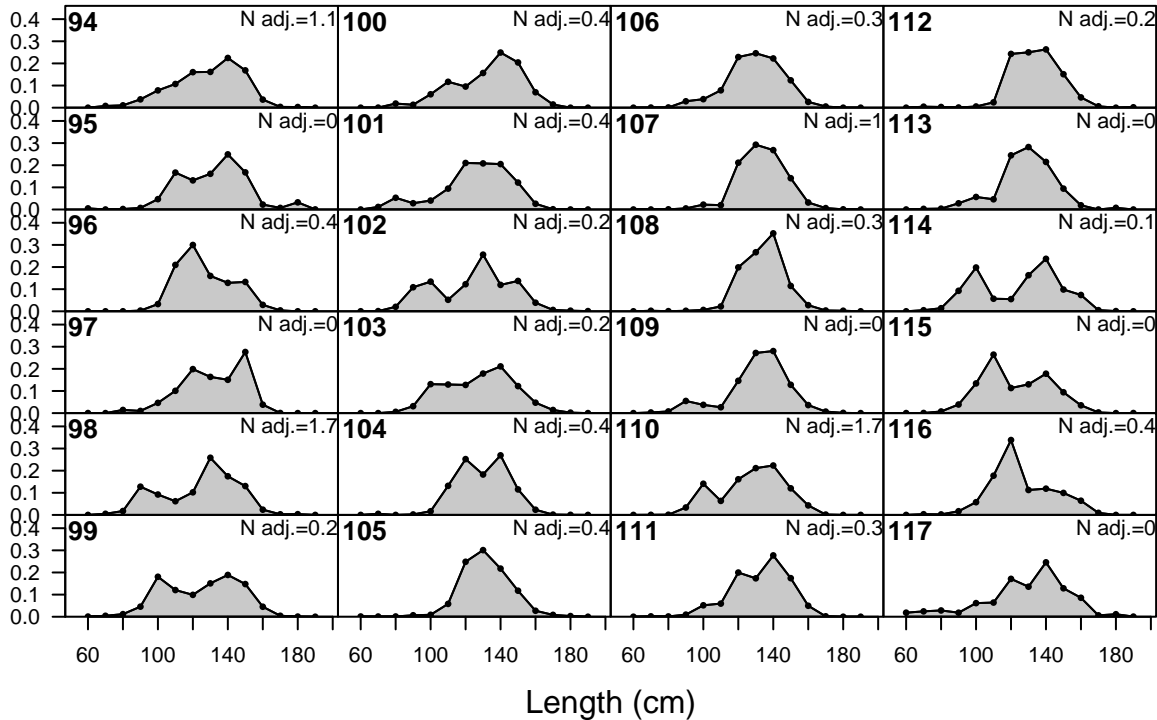
Proportion



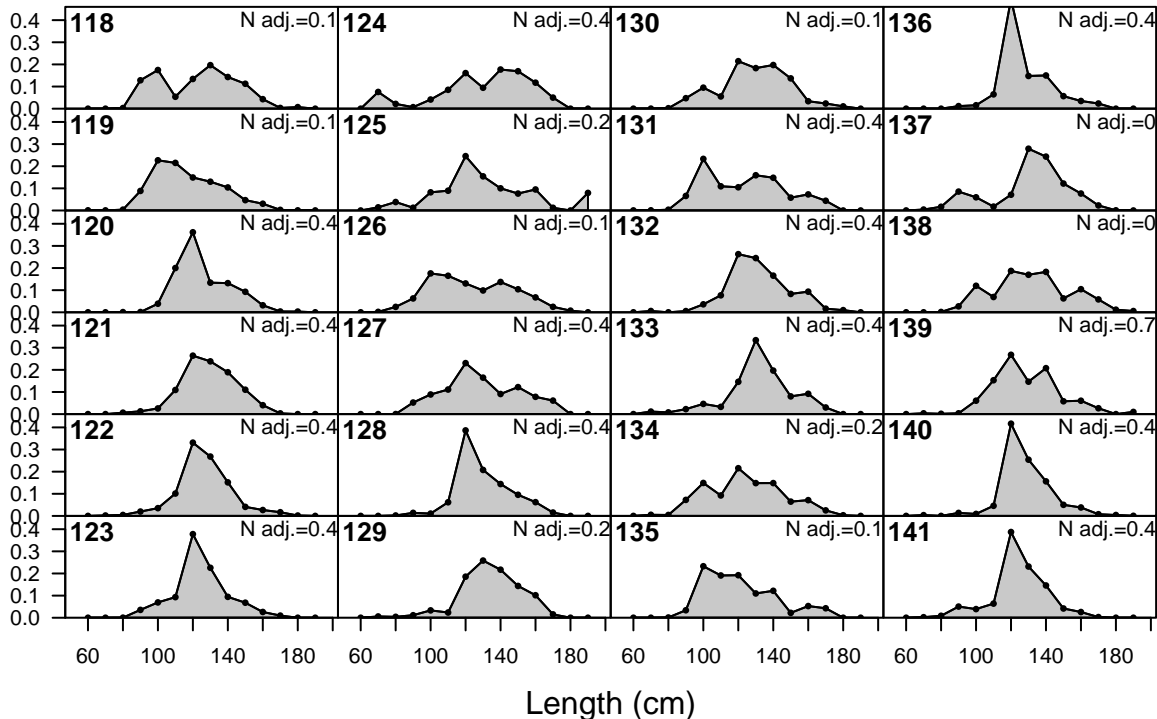
Proportion



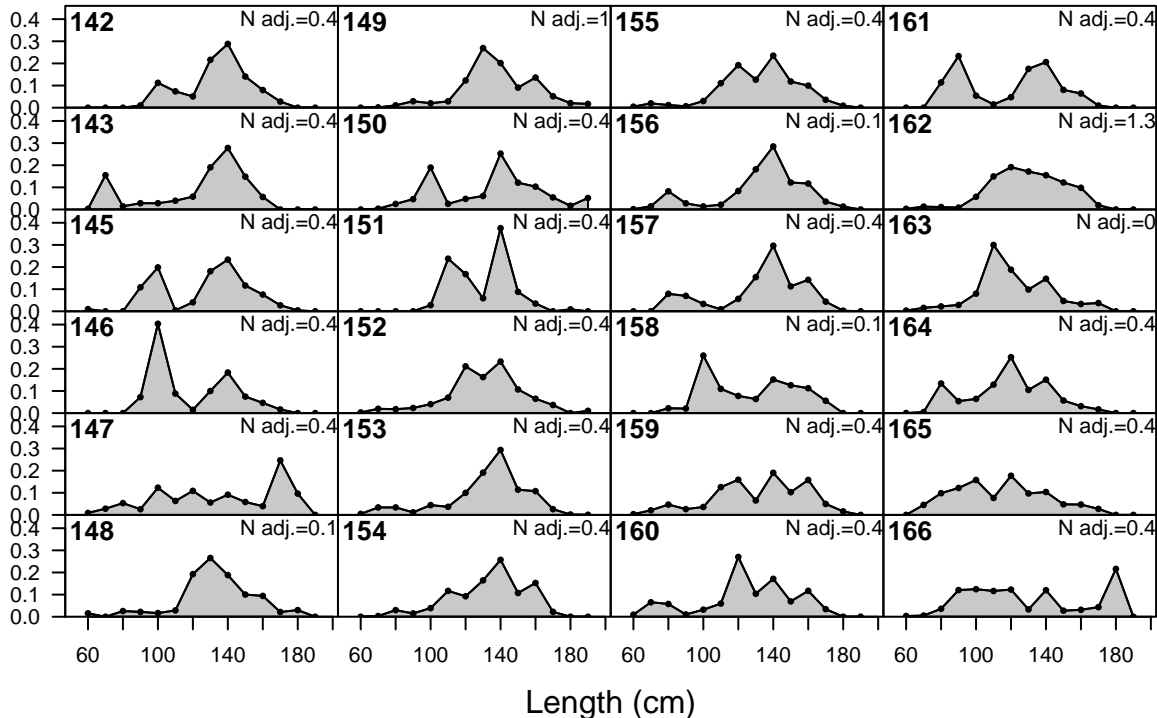
Proportion



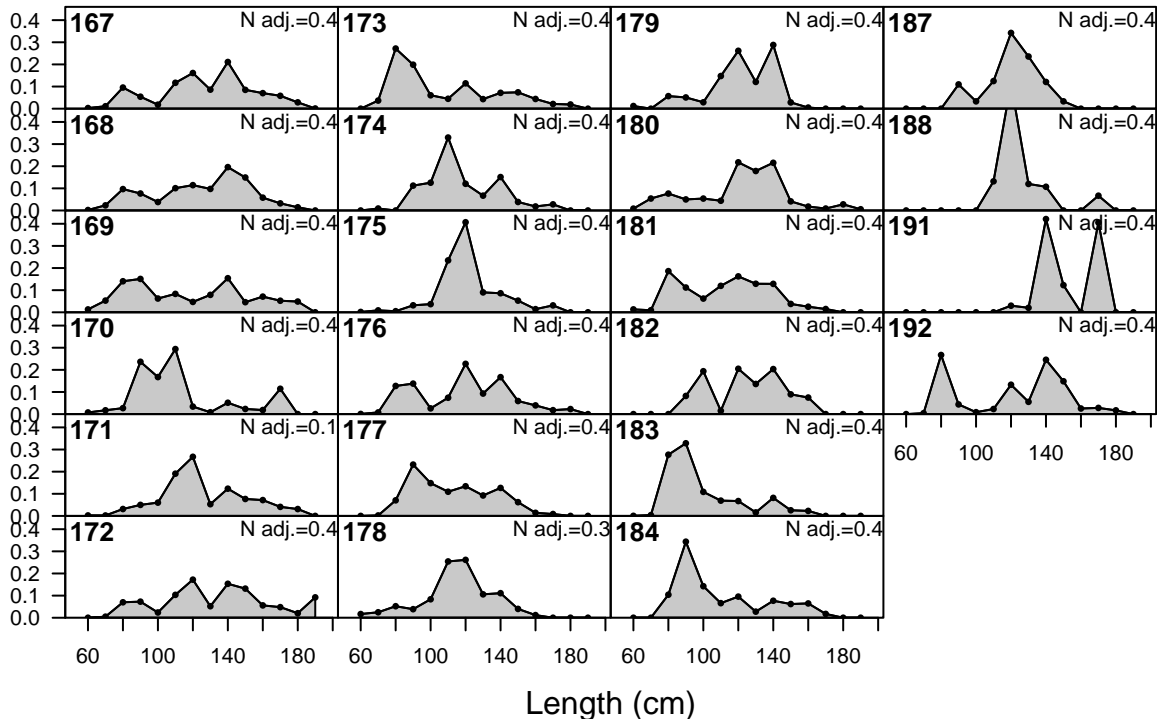
Proportion

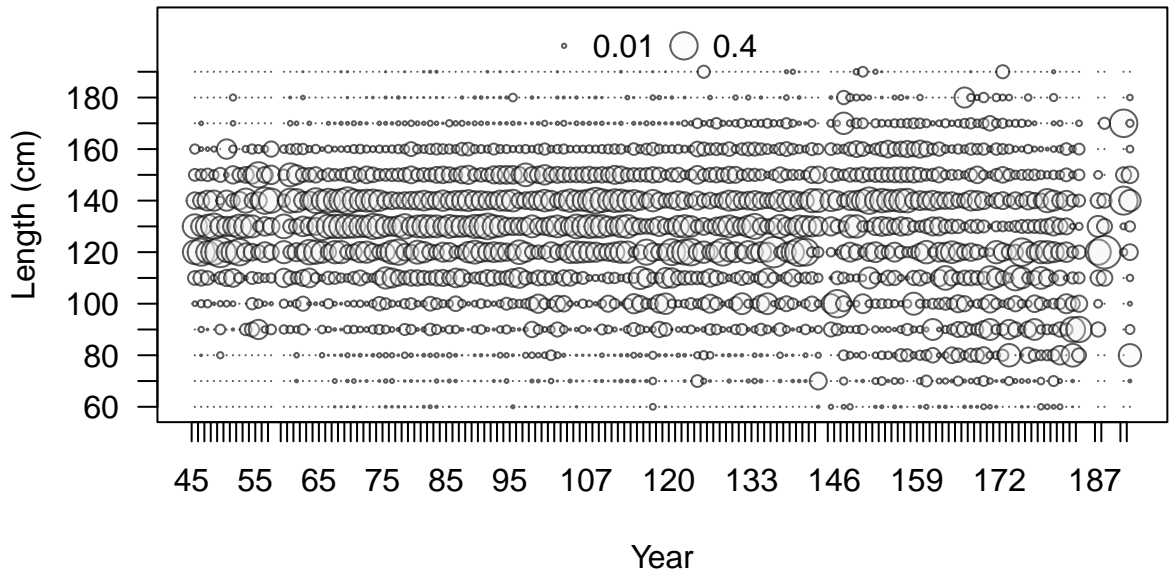


Proportion

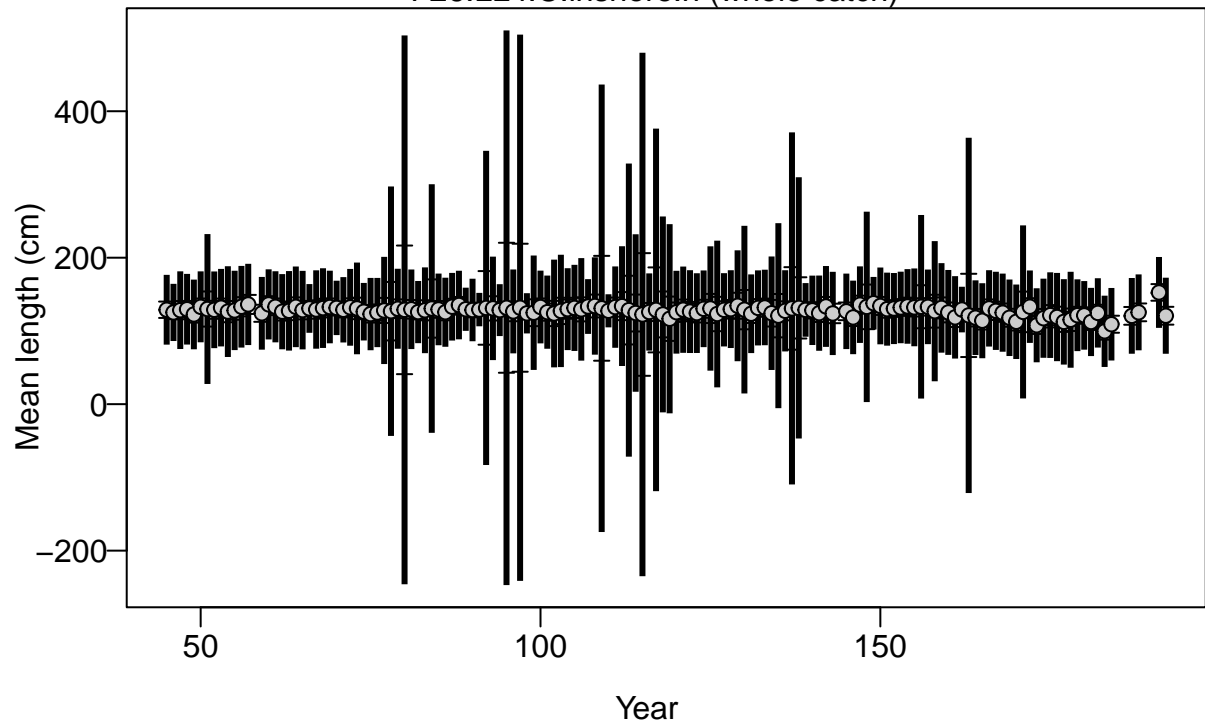


Proportion

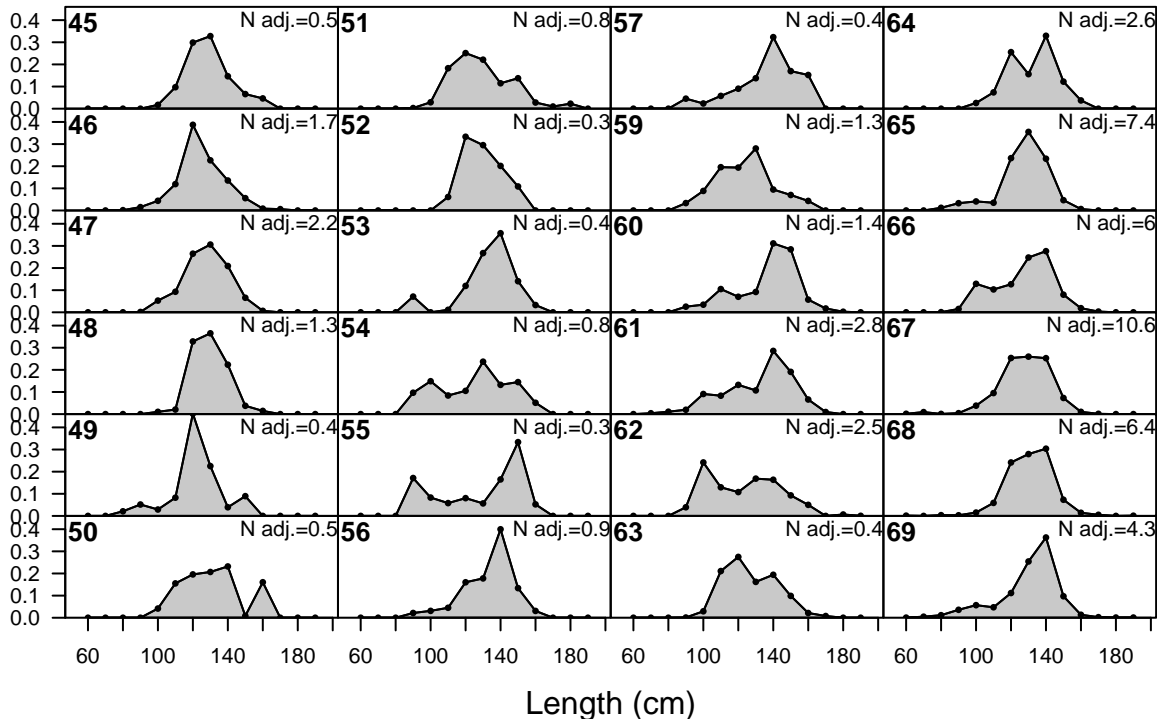




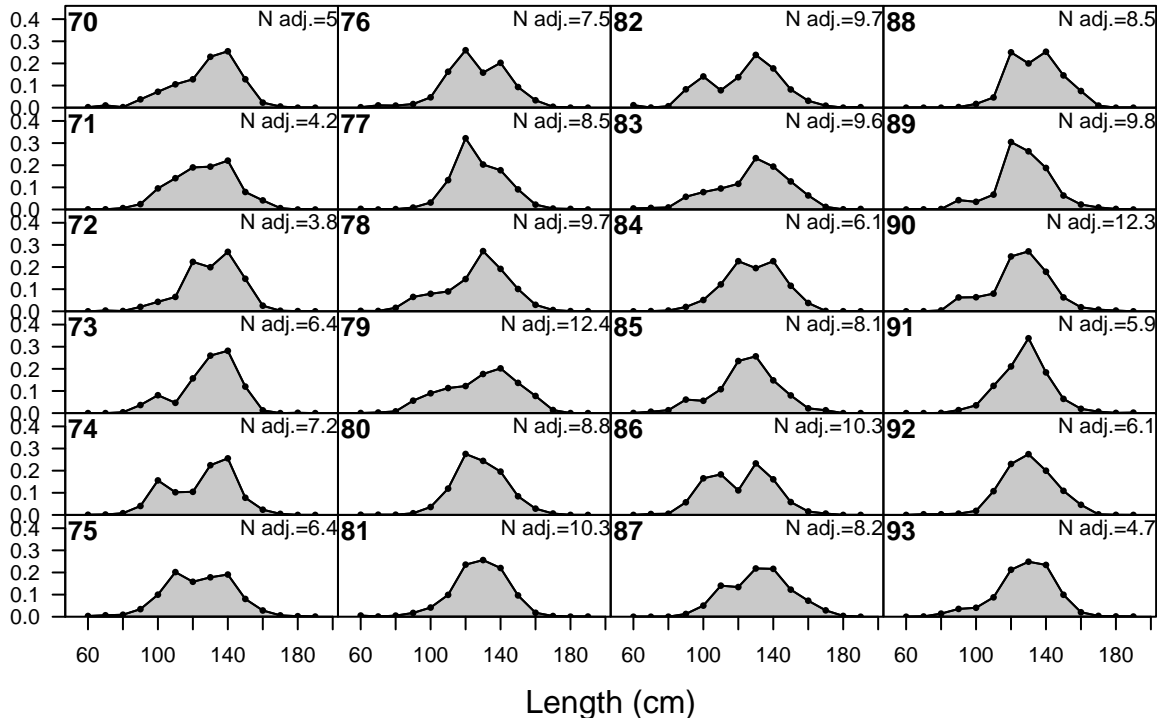
F26.LL4.C.inshore.n (whole catch)



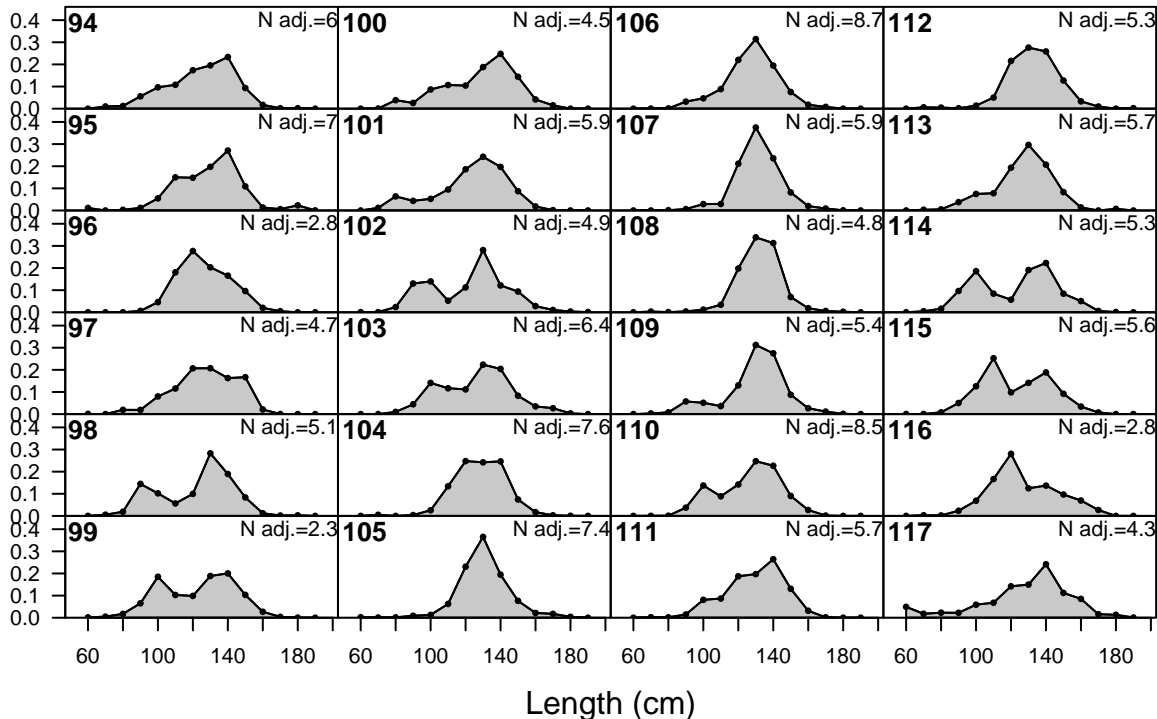
Proportion



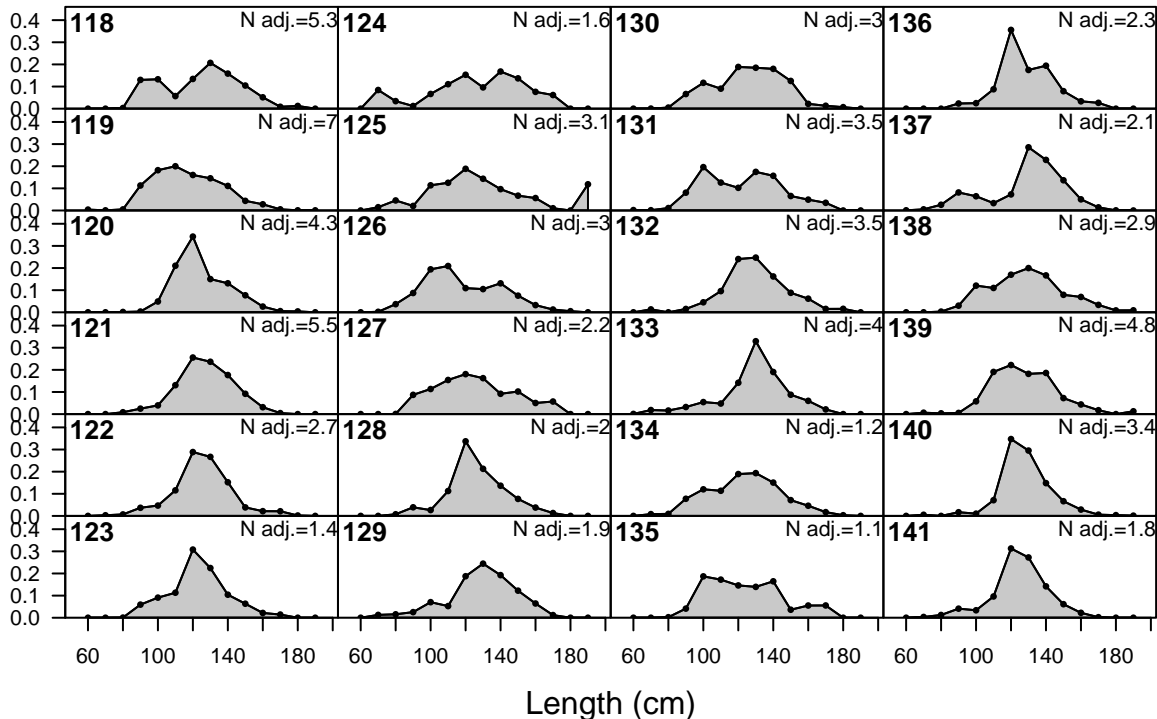
Proportion



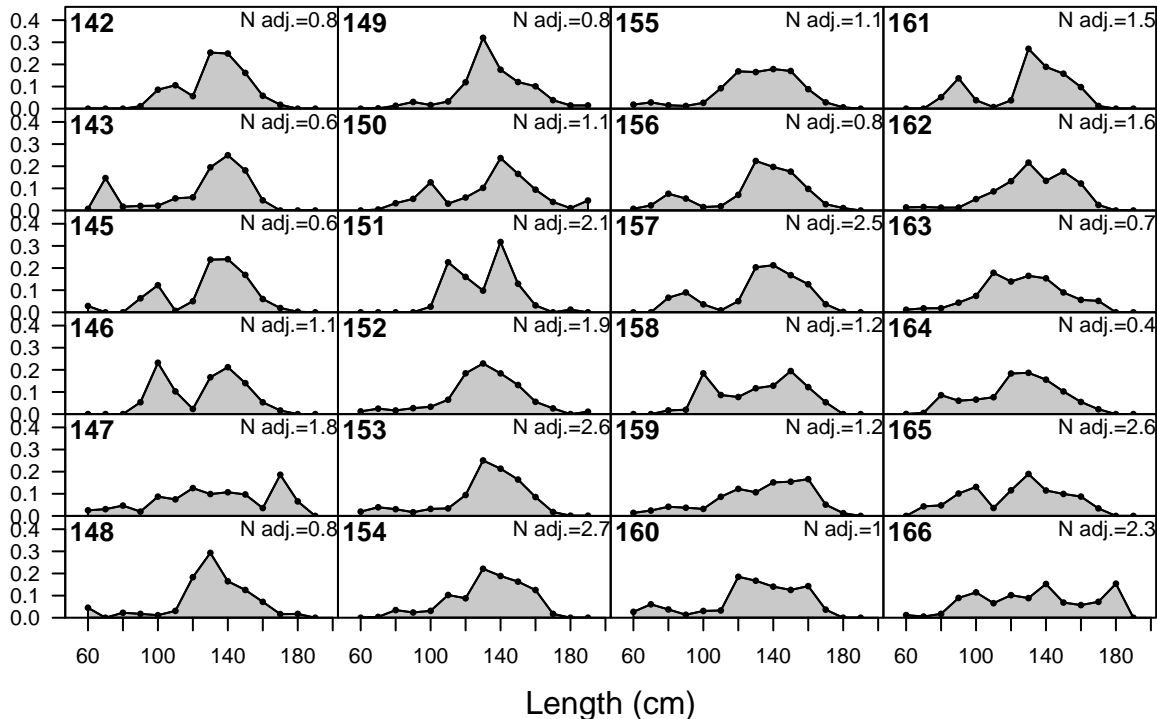
Proportion



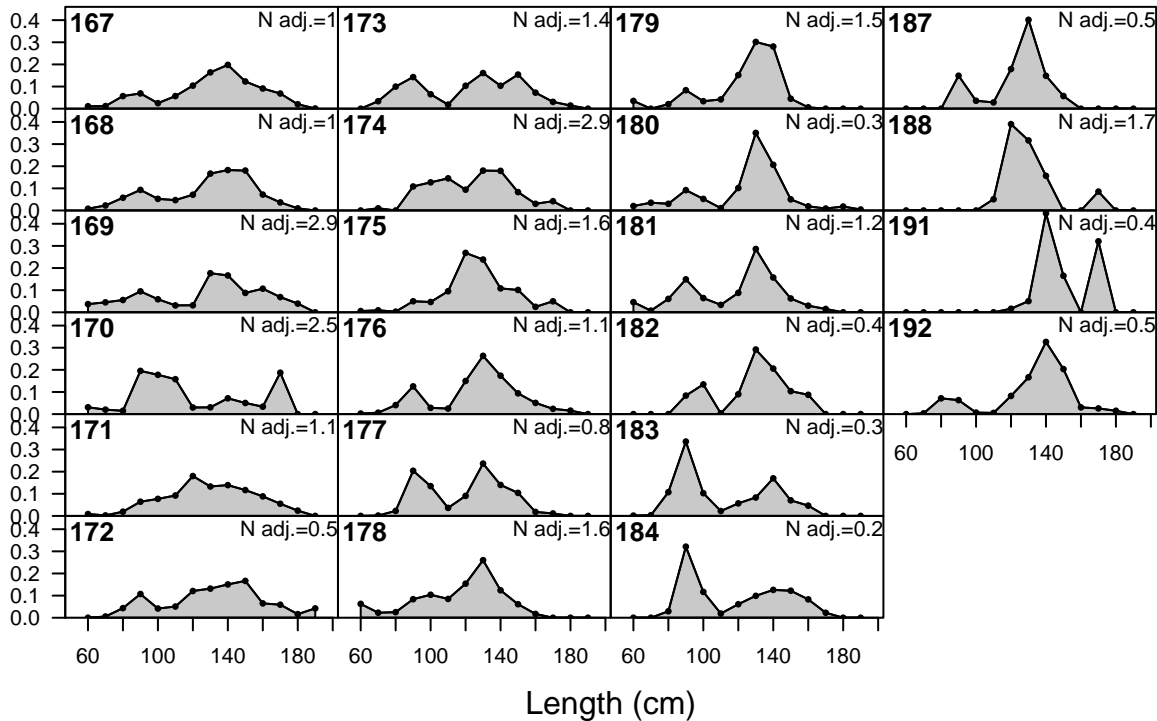
Proportion

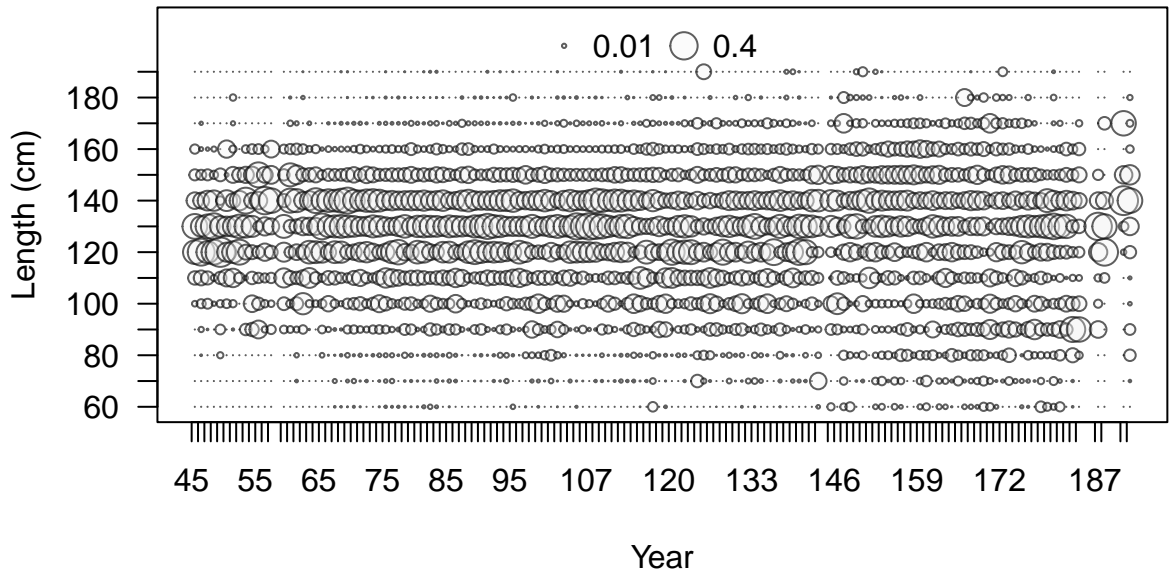


Proportion

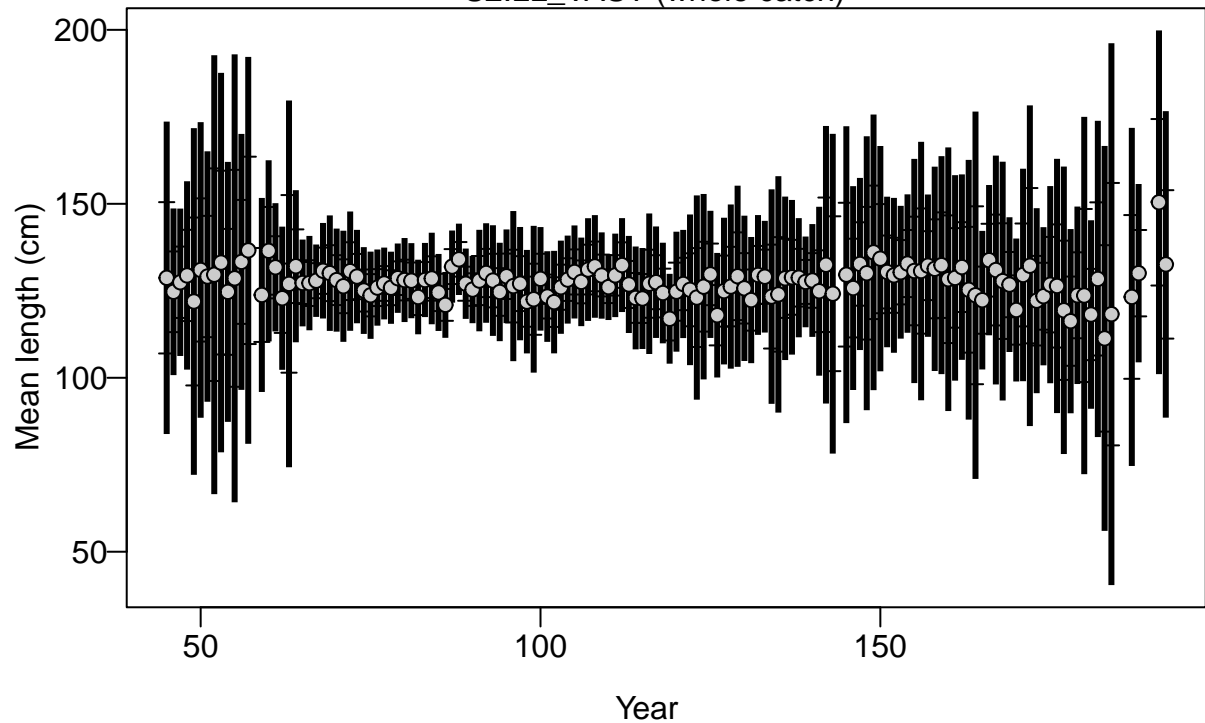


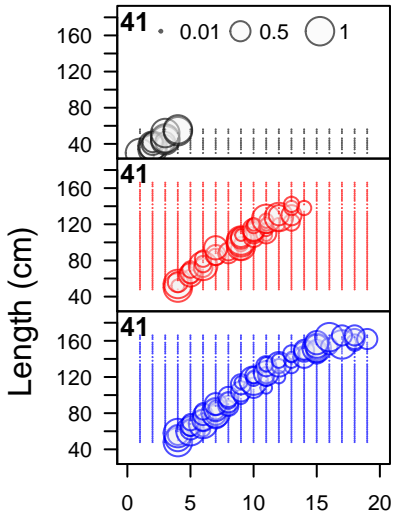
Proportion





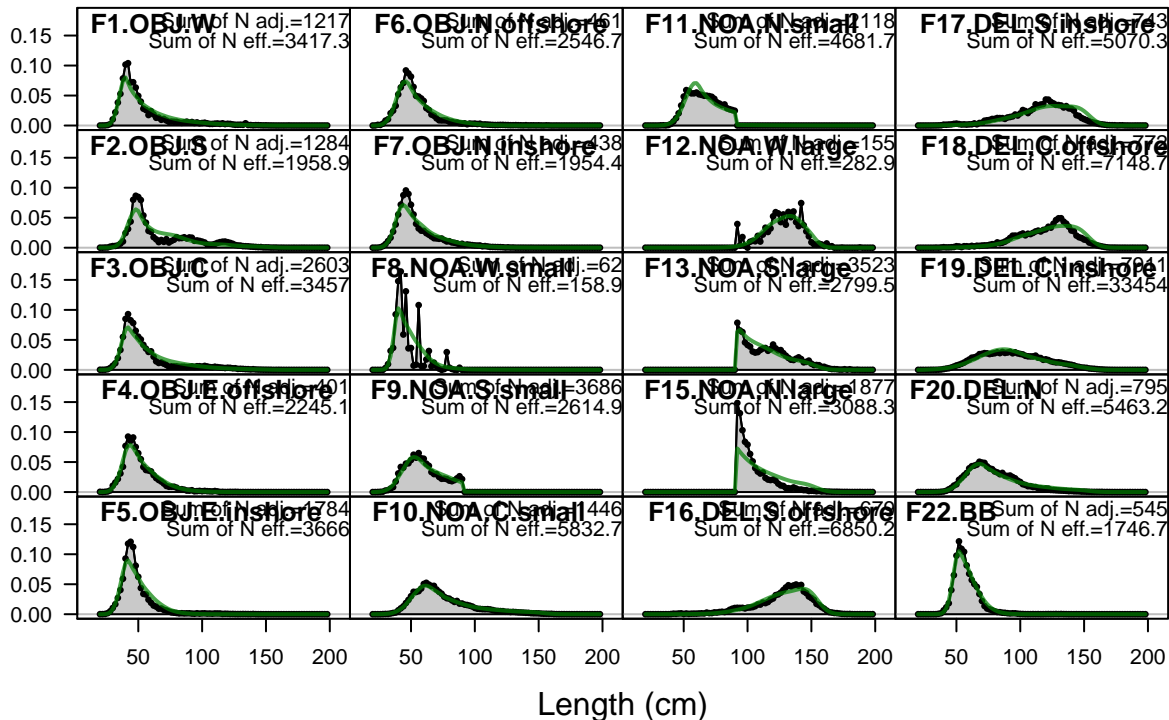
S2.LL_VAST (whole catch)

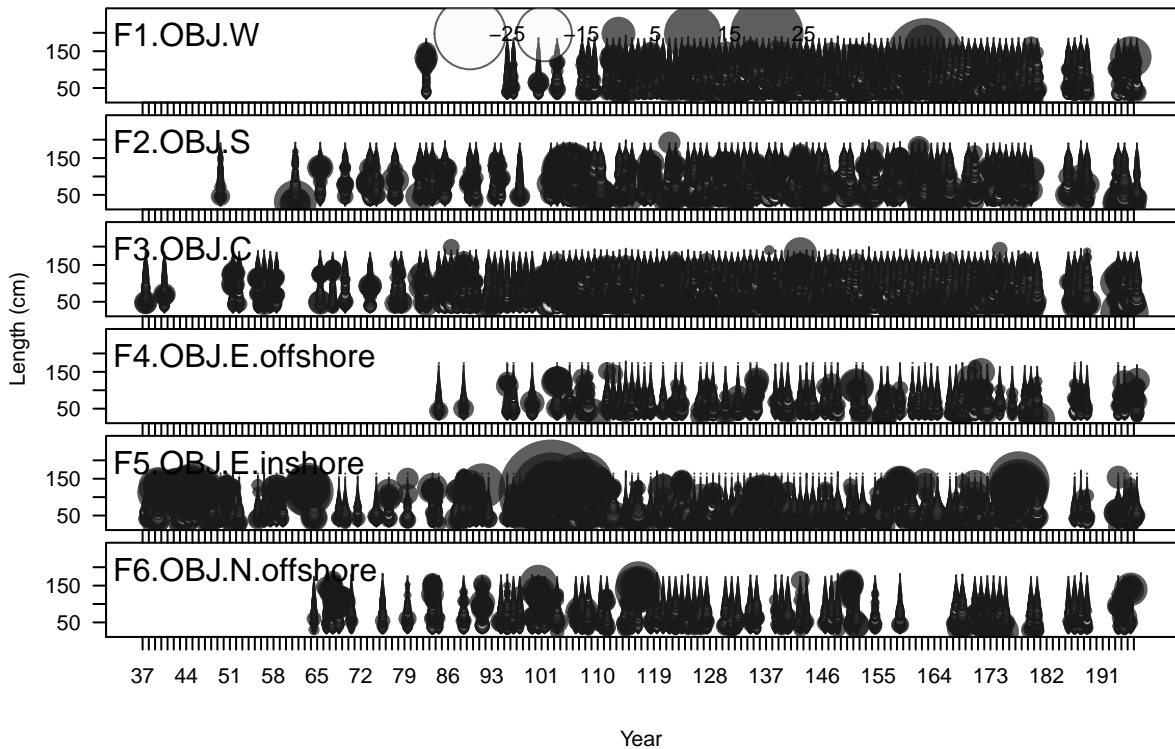


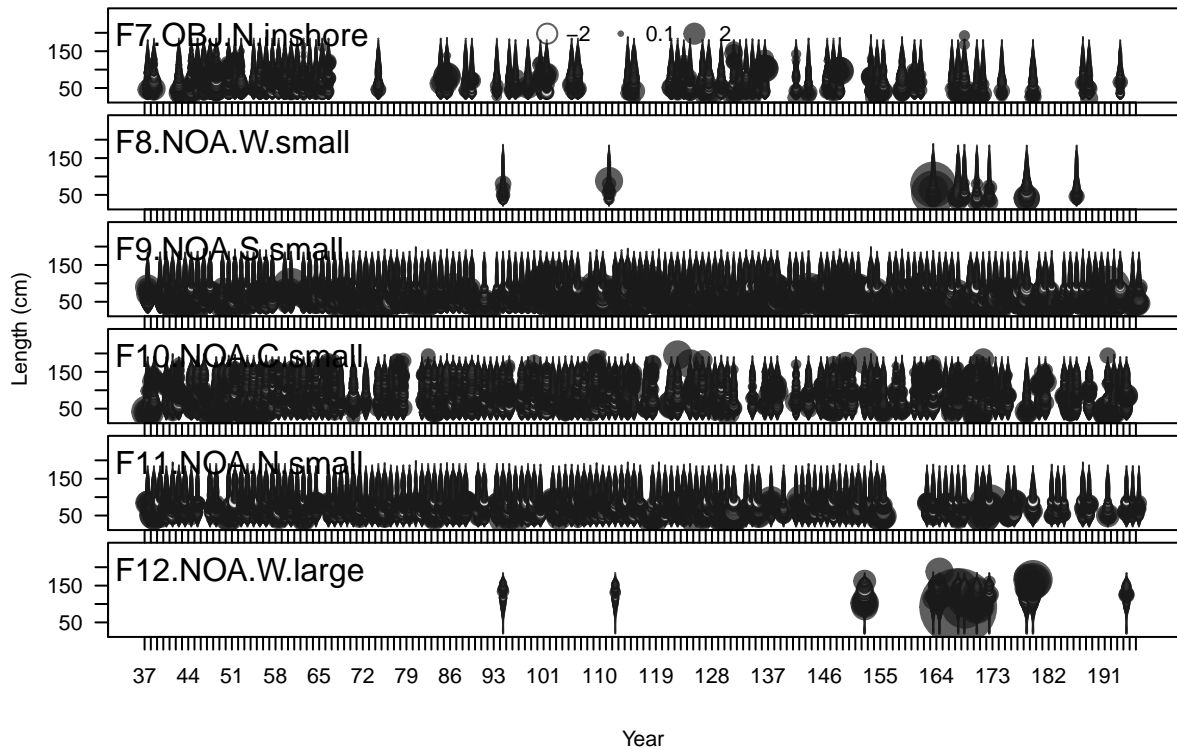


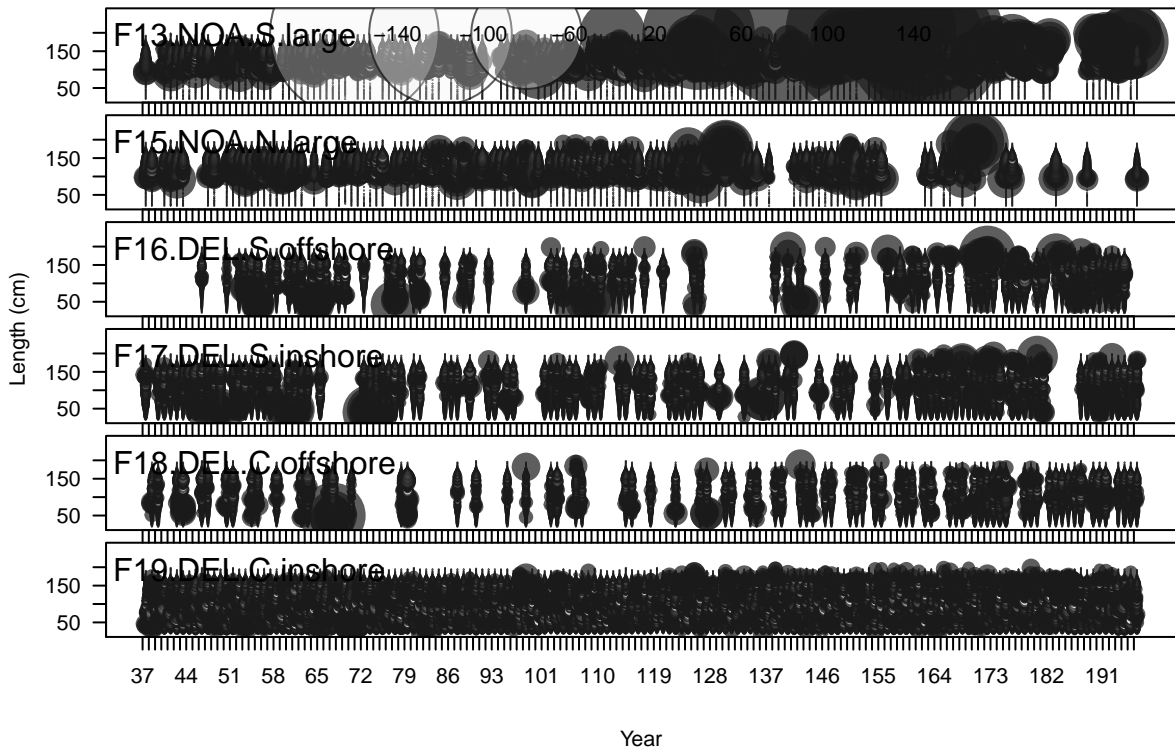
Age (yr)

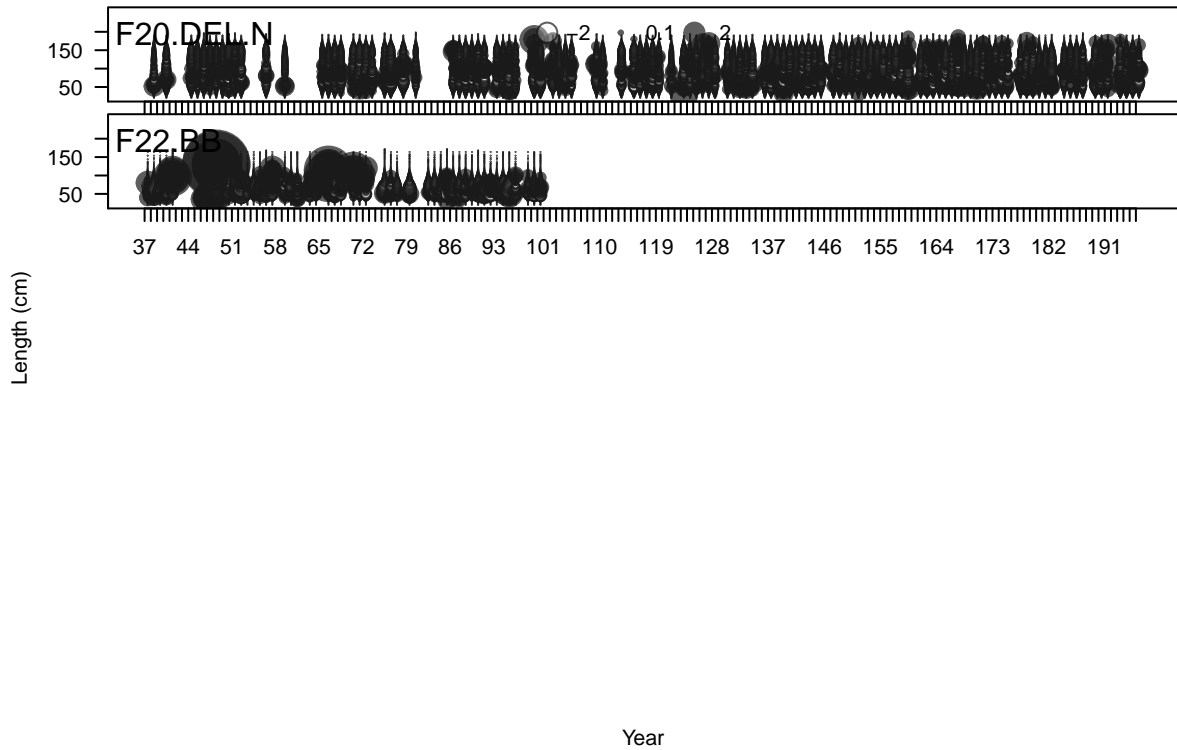
Proportion



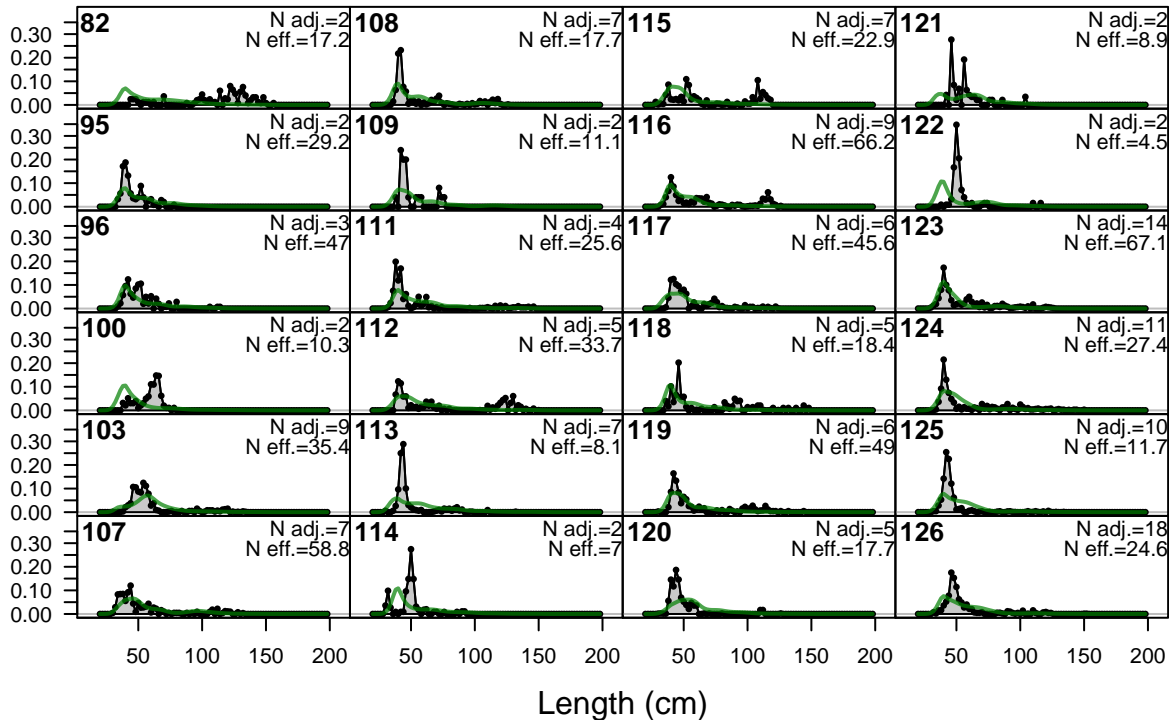




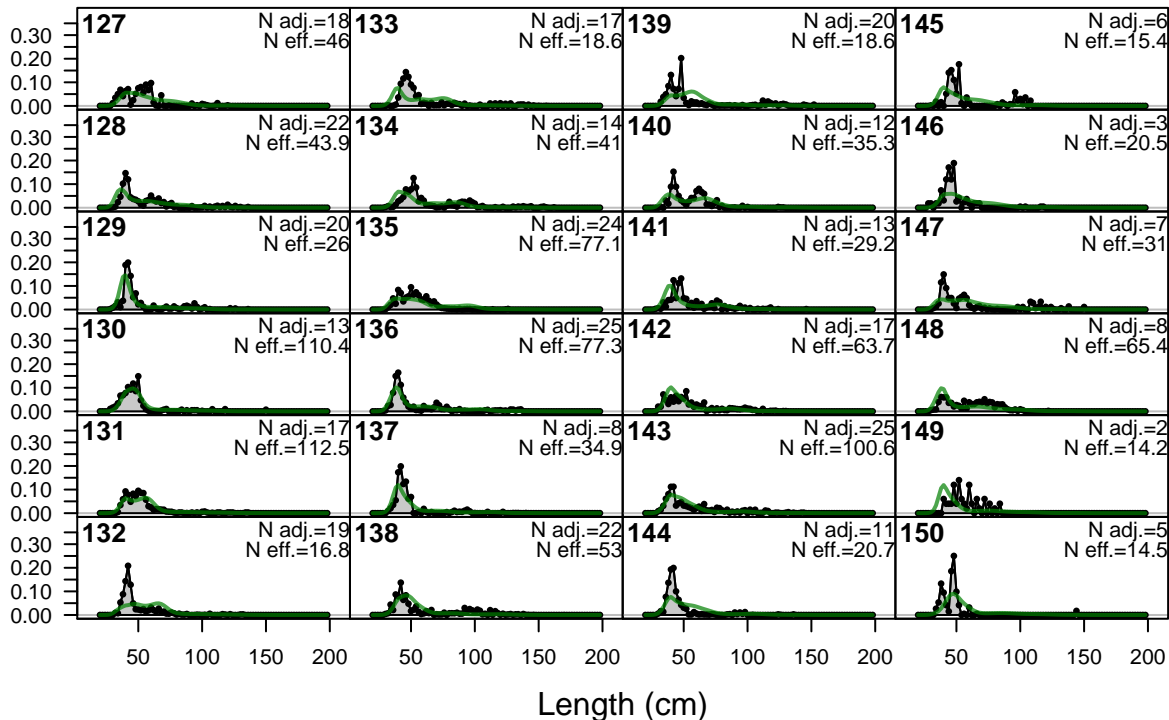




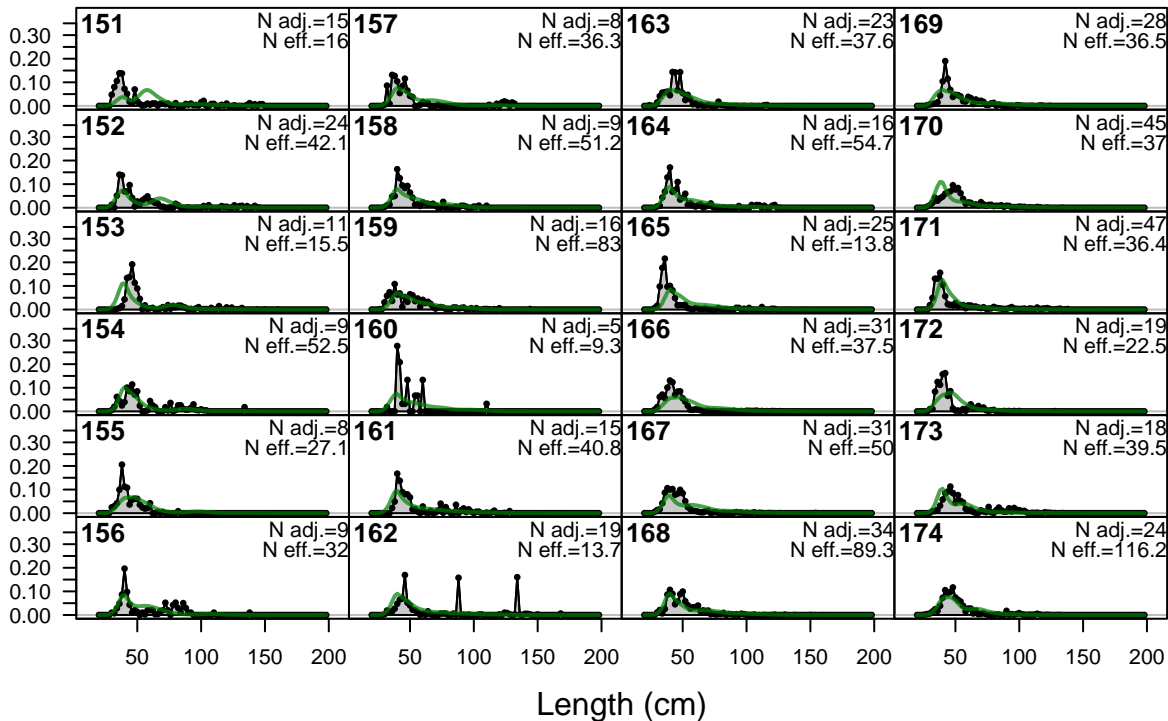
Proportion



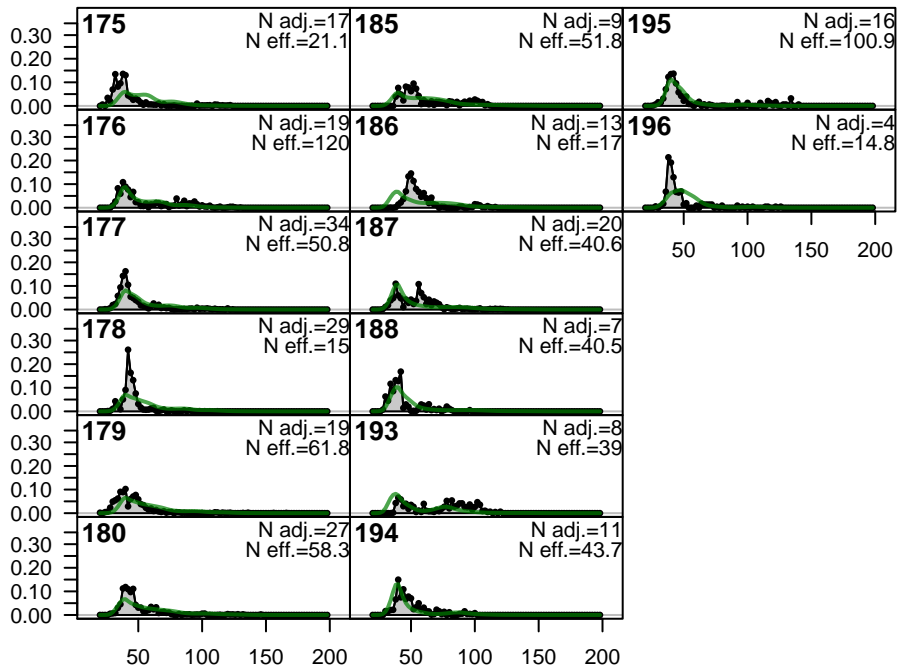
Proportion



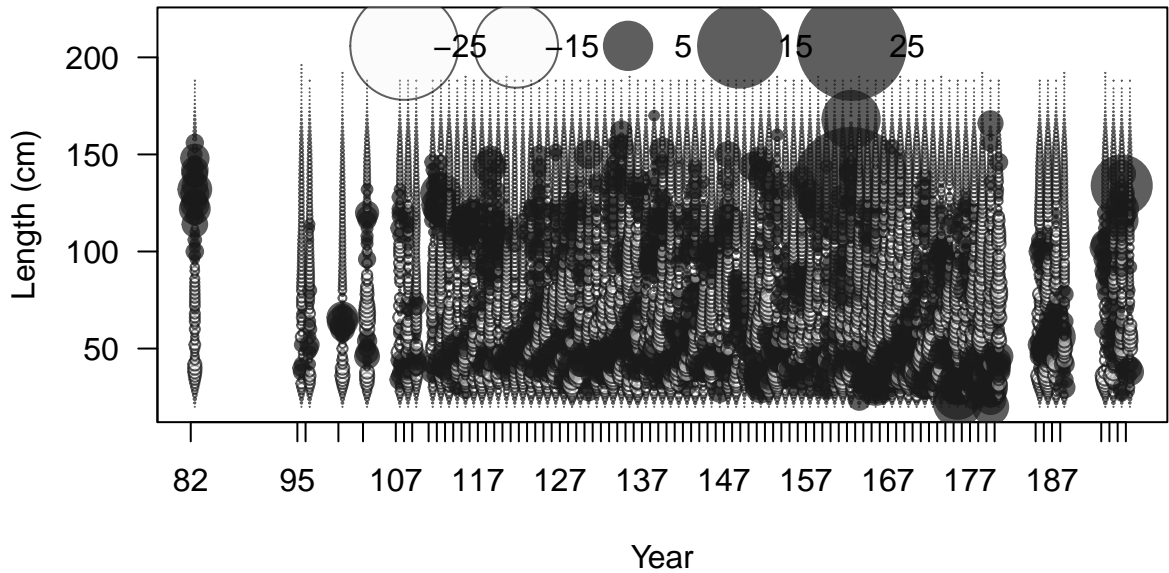
Proportion



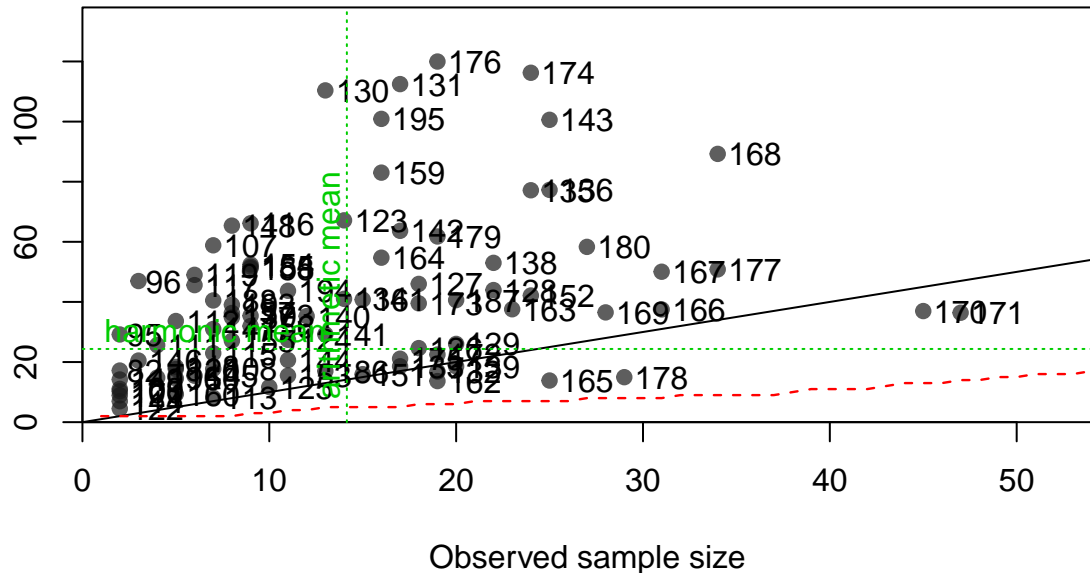
Proportion



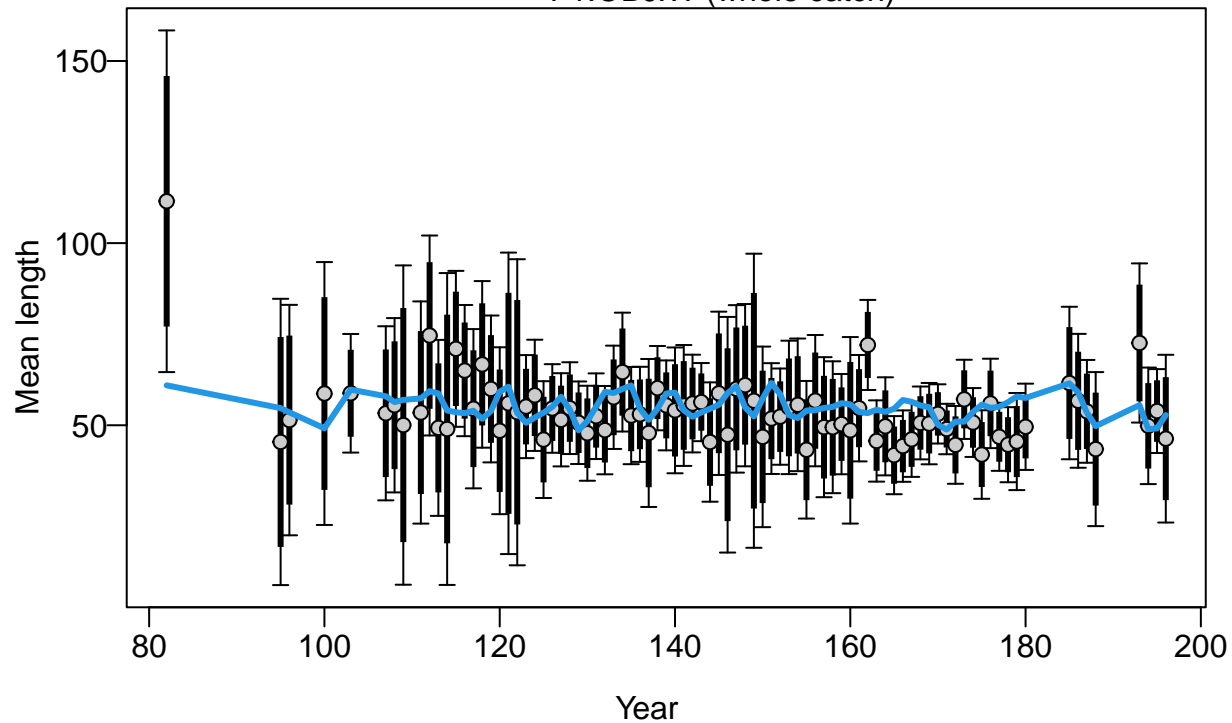
Length (cm)



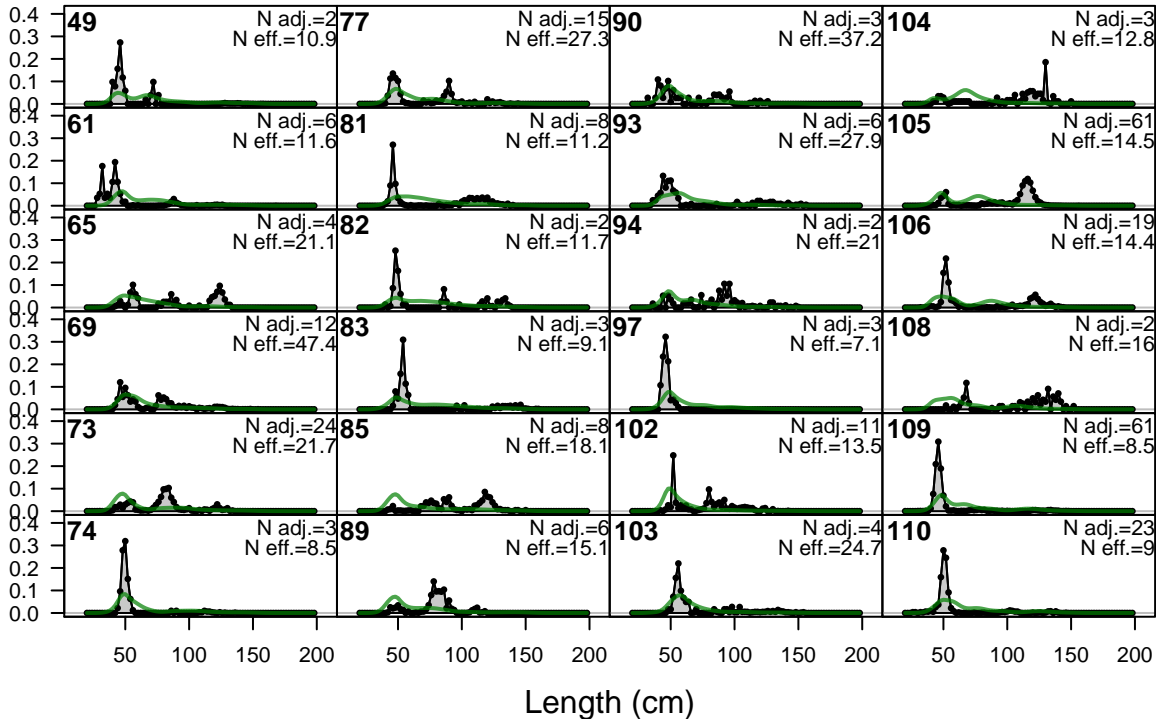
Effective sample size



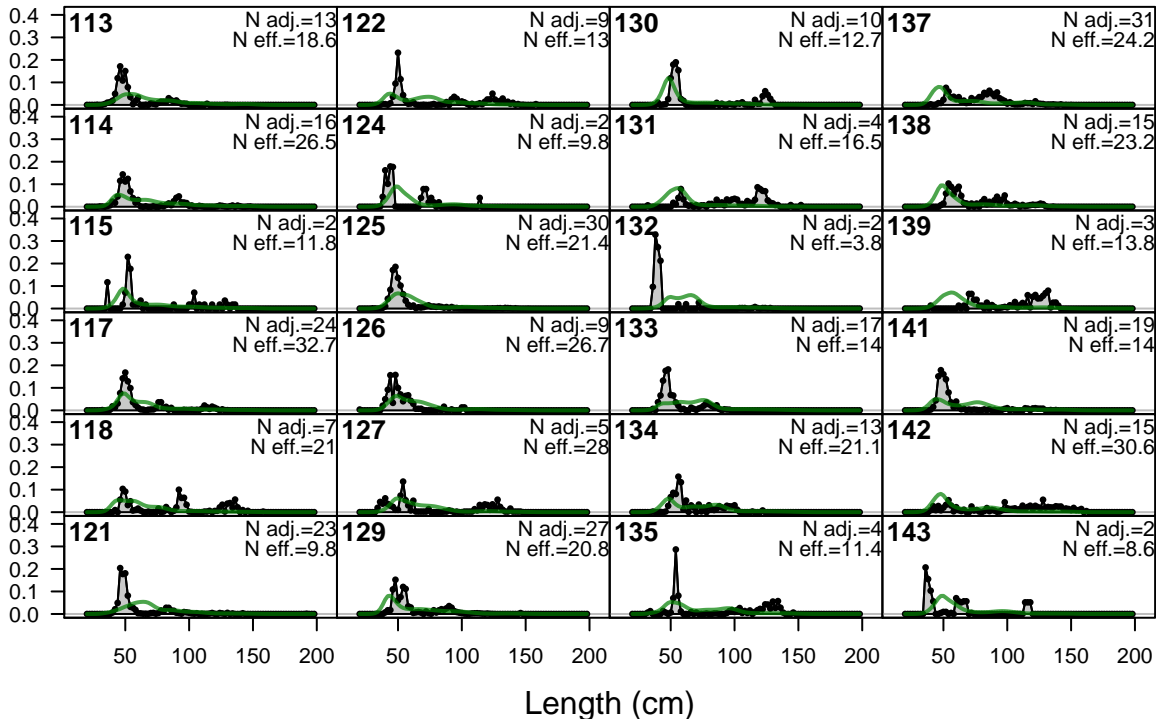
F1.OBJ.W (whole catch)



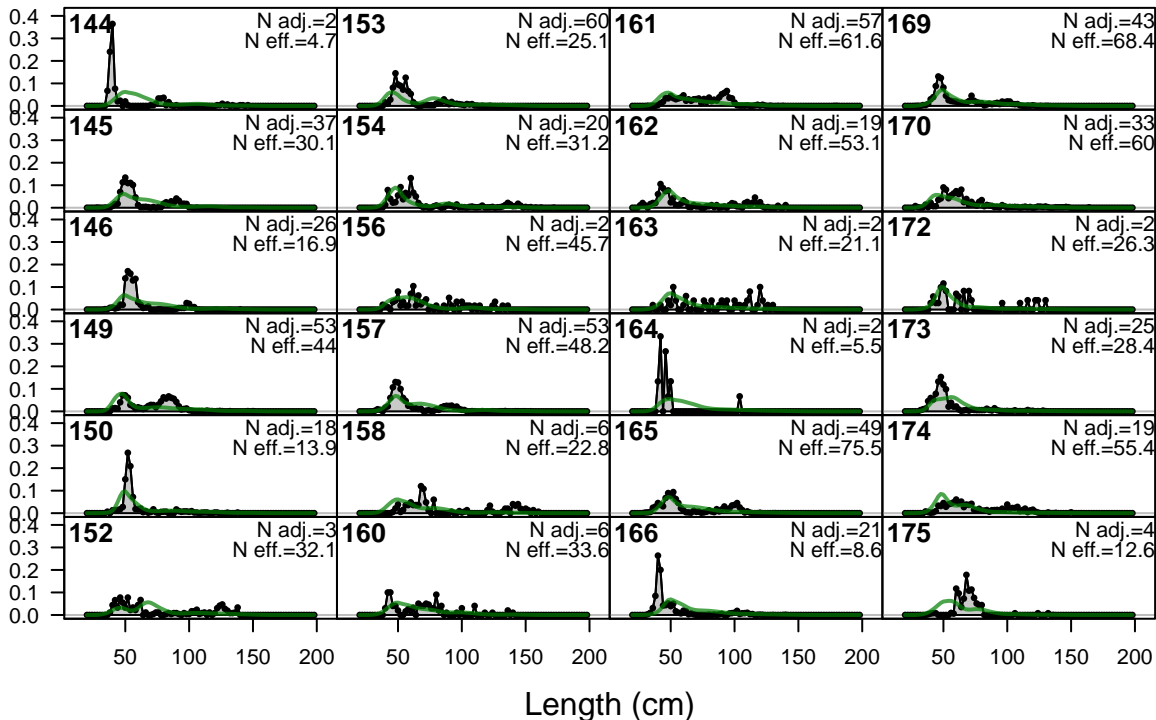
Proportion



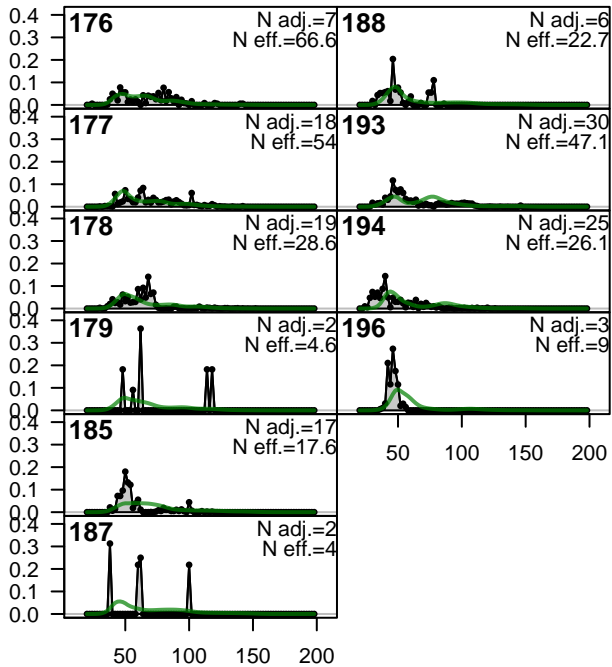
Proportion



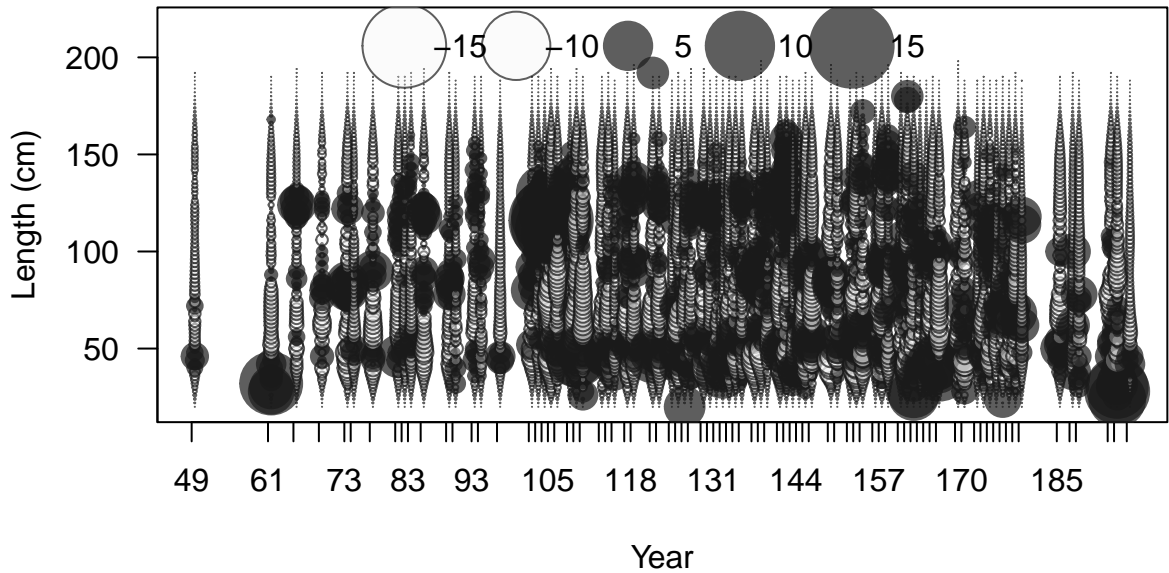
Proportion



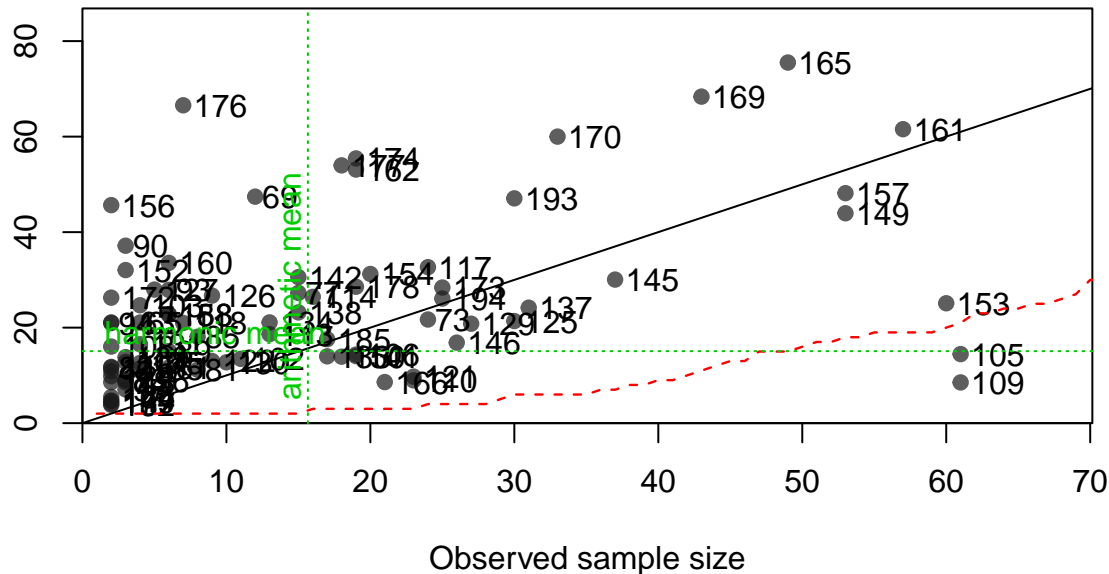
Proportion



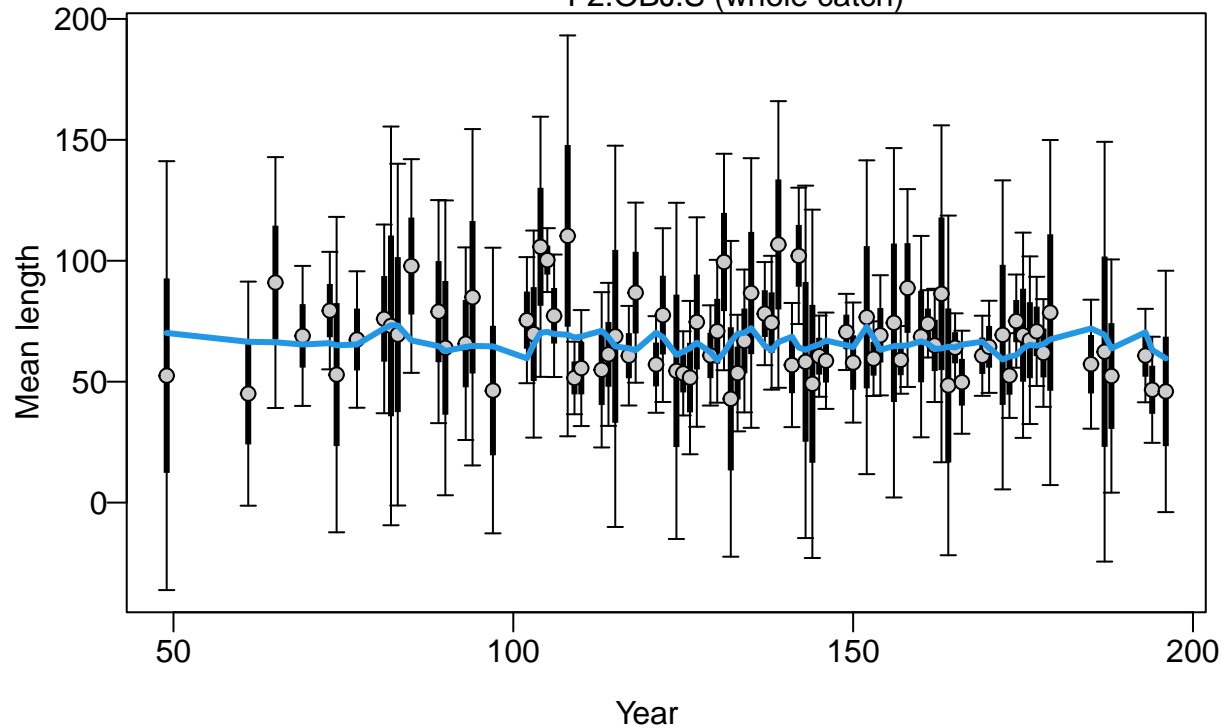
Length (cm)



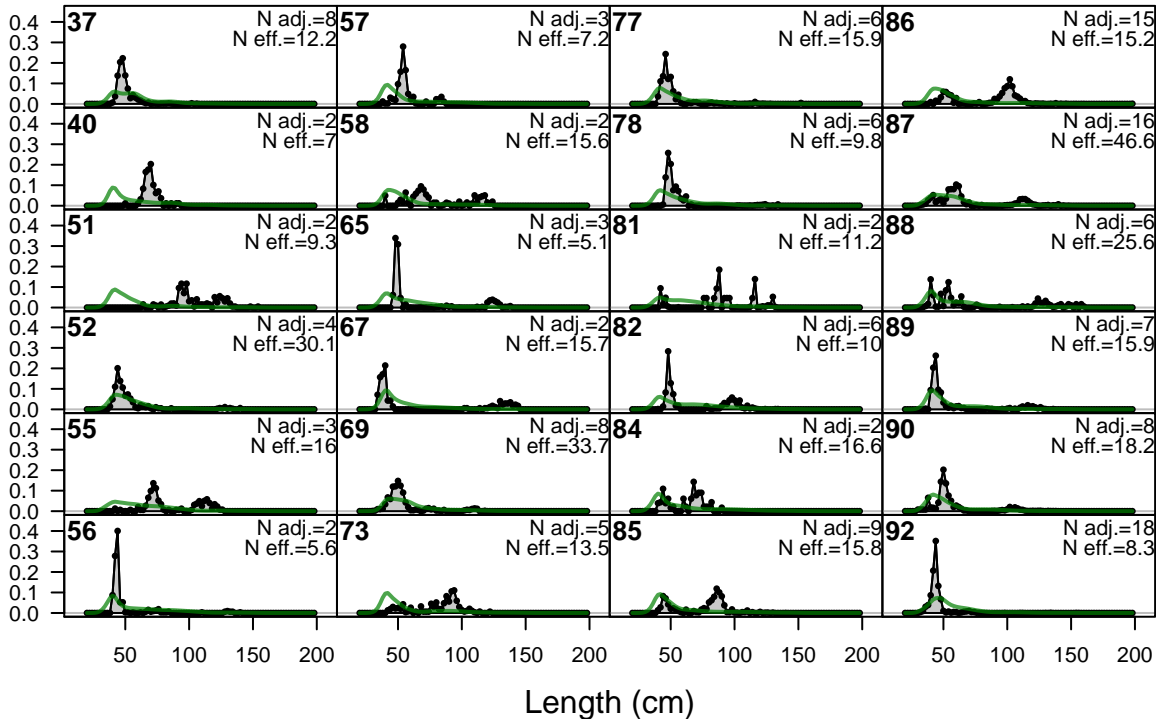
Effective sample size



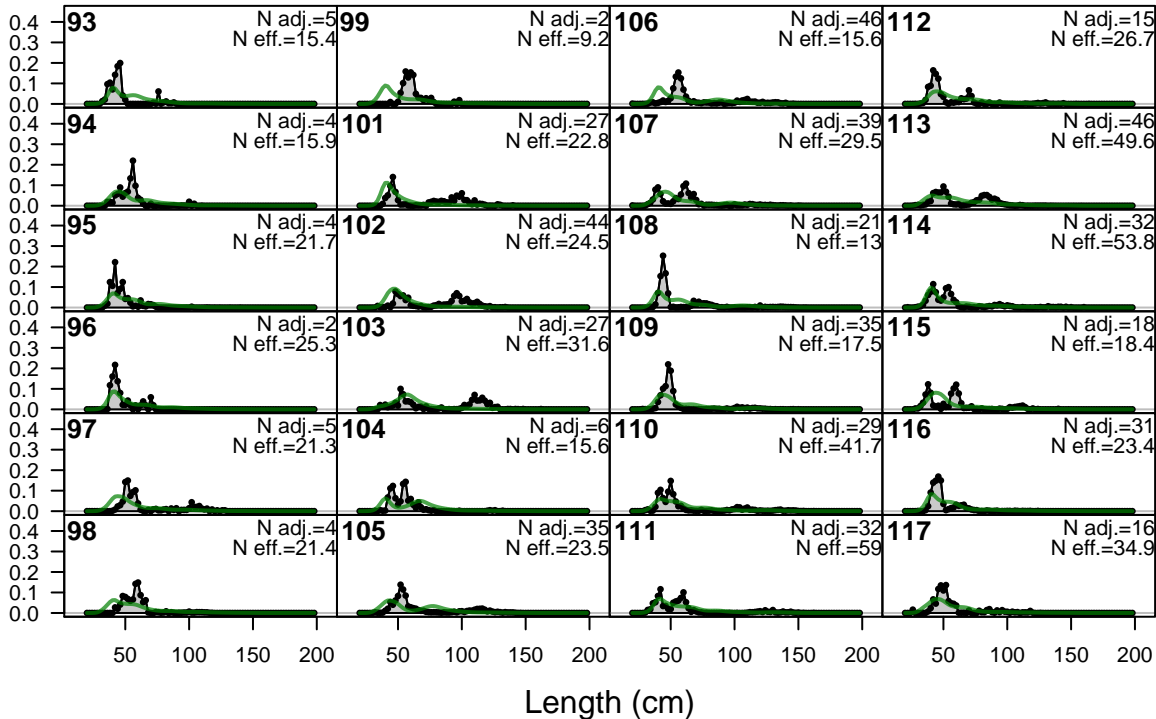
F2.OBJ.S (whole catch)



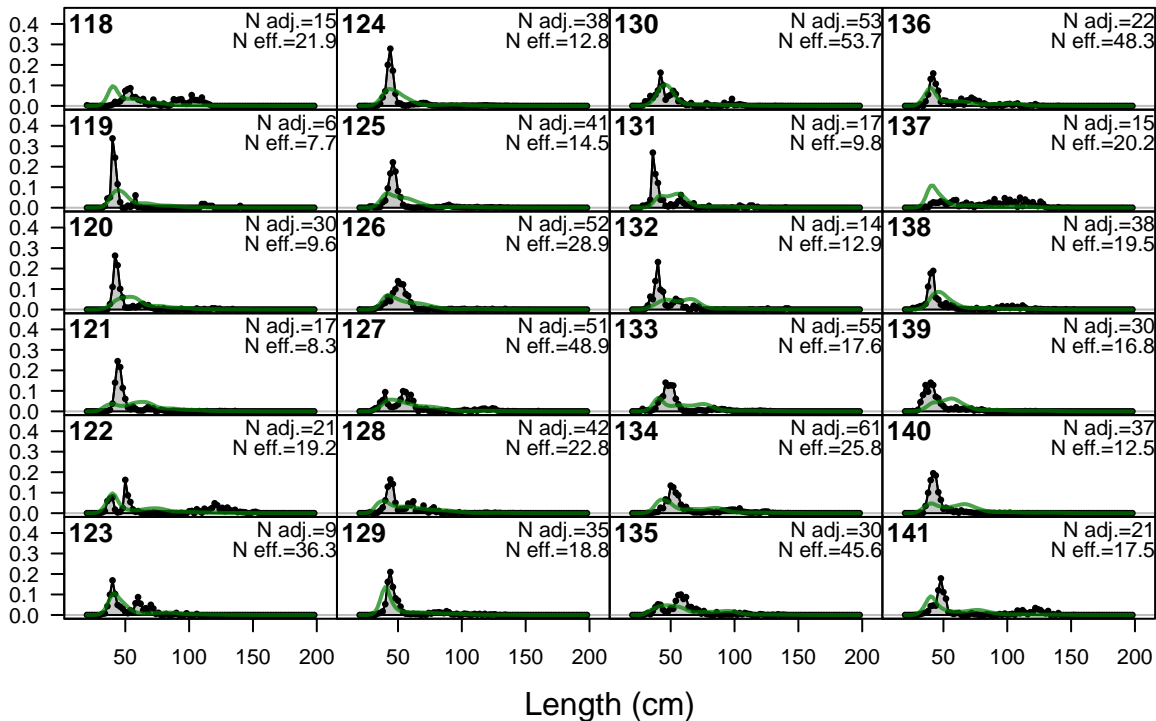
Proportion



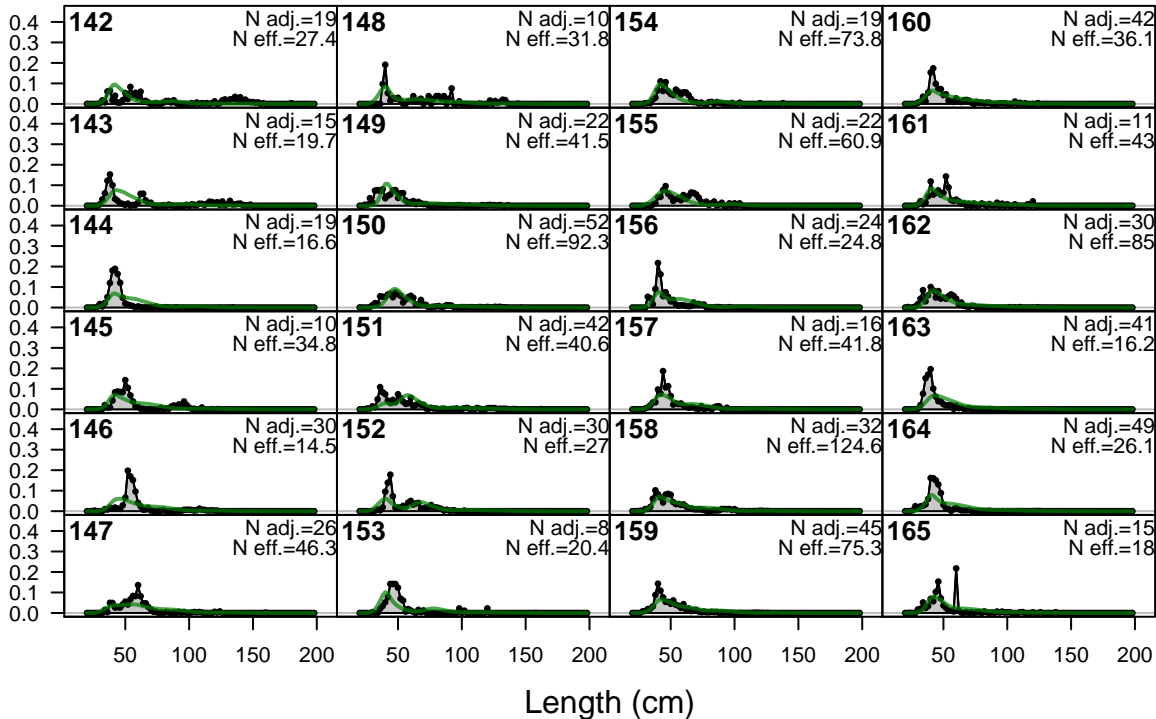
Proportion



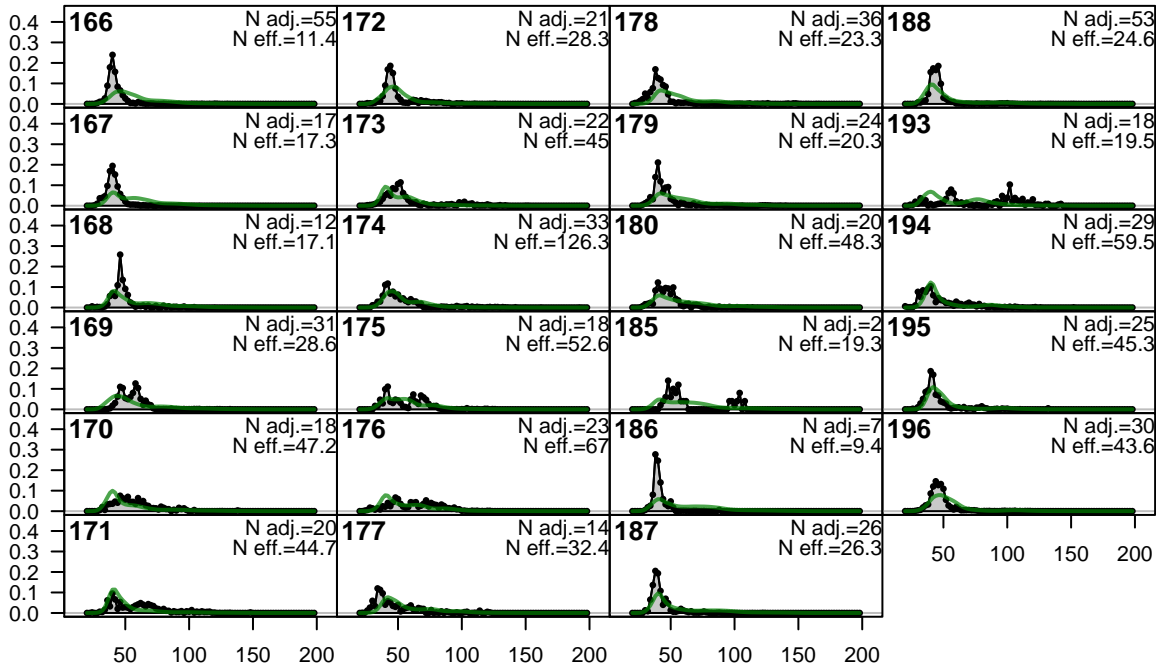
Proportion



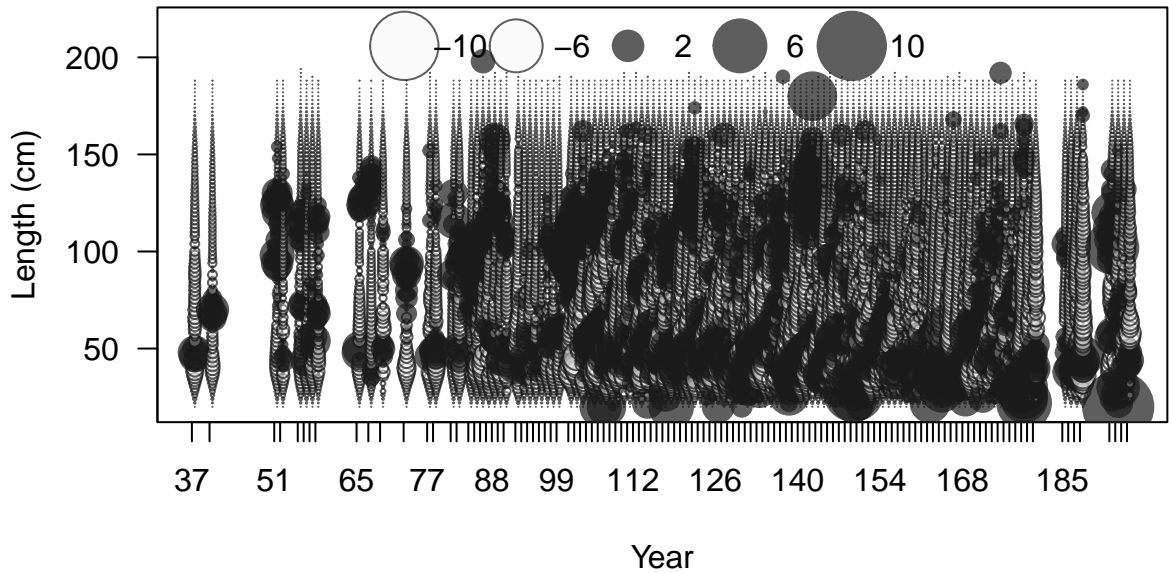
Proportion



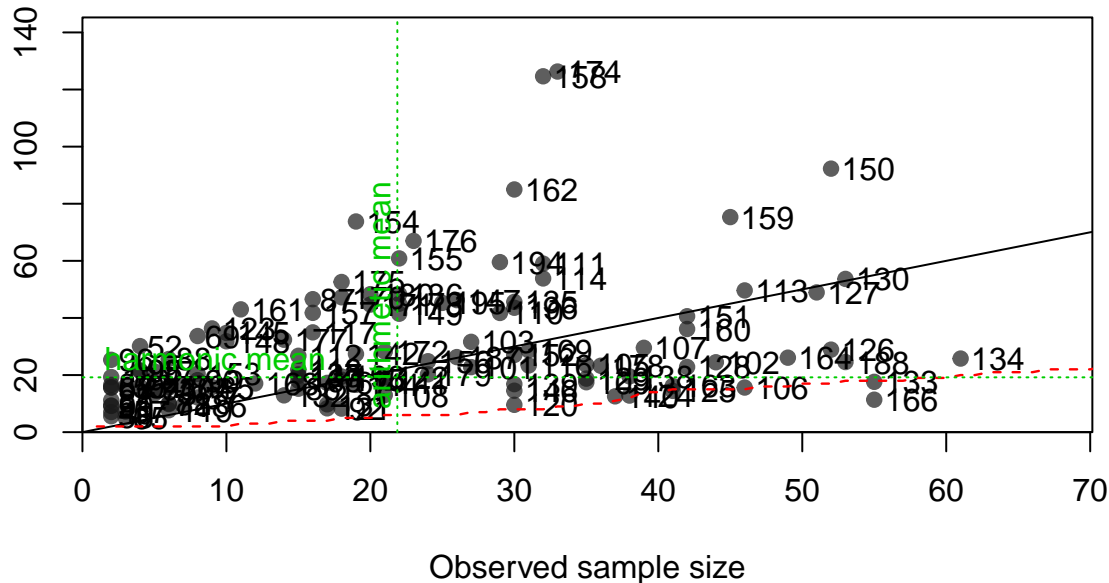
Proportion



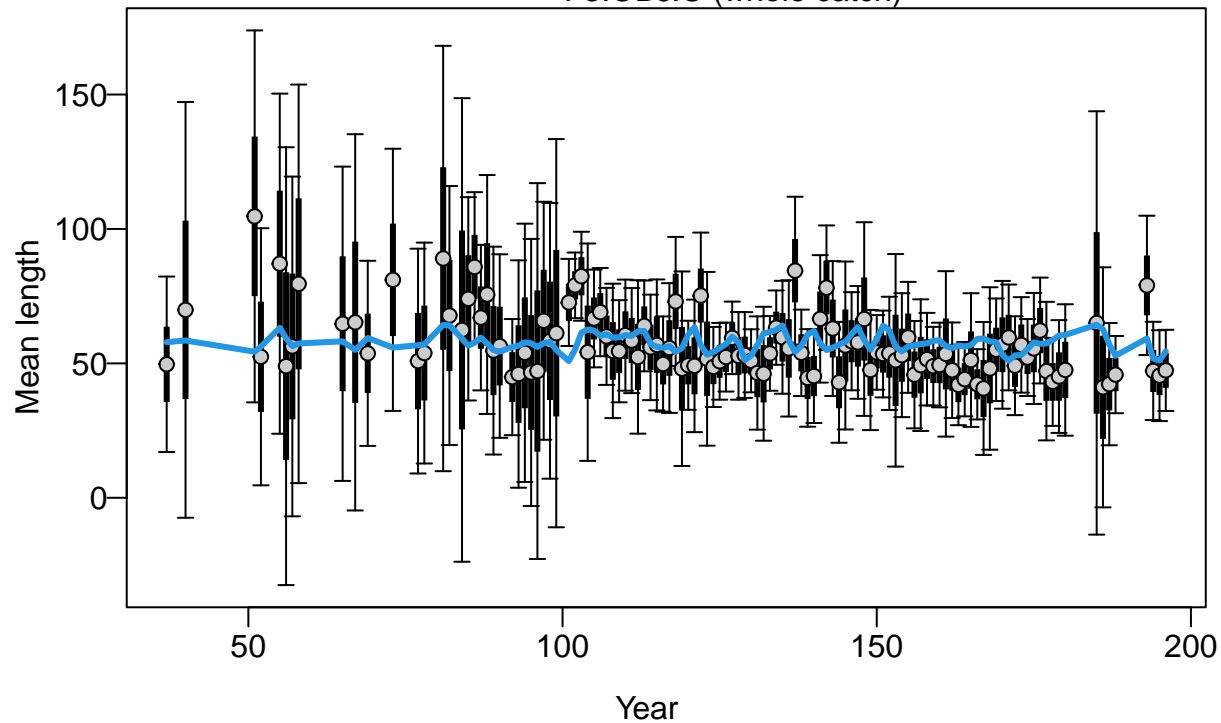
Length (cm)



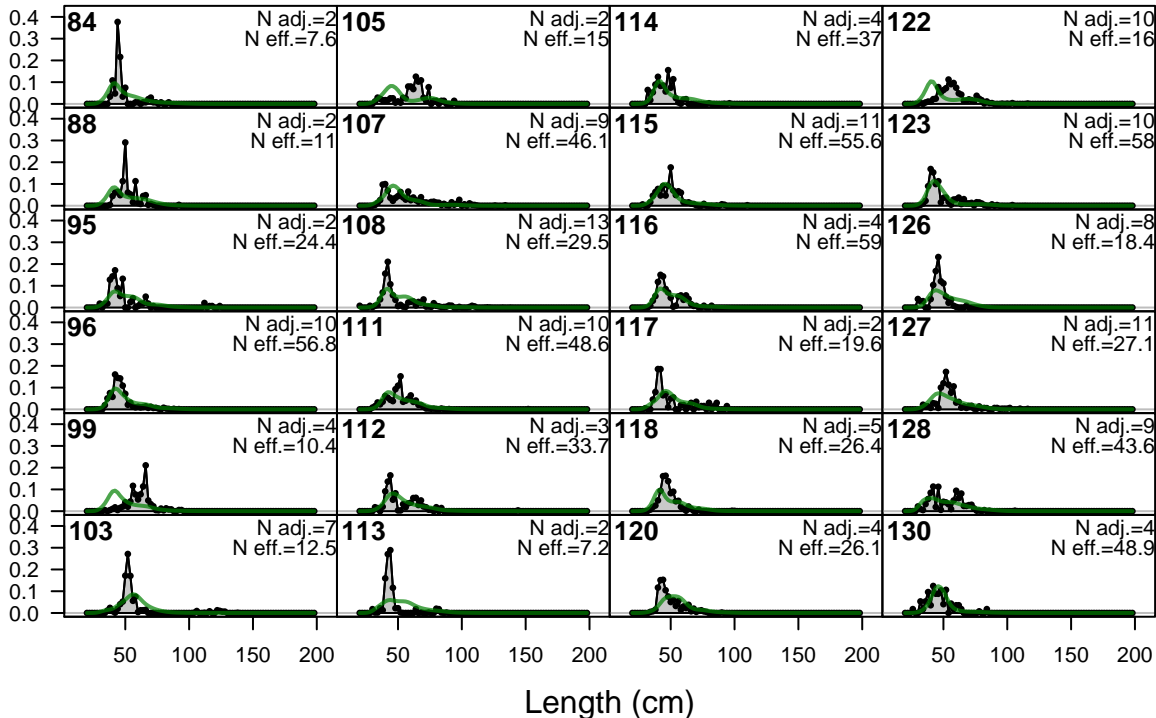
Effective sample size



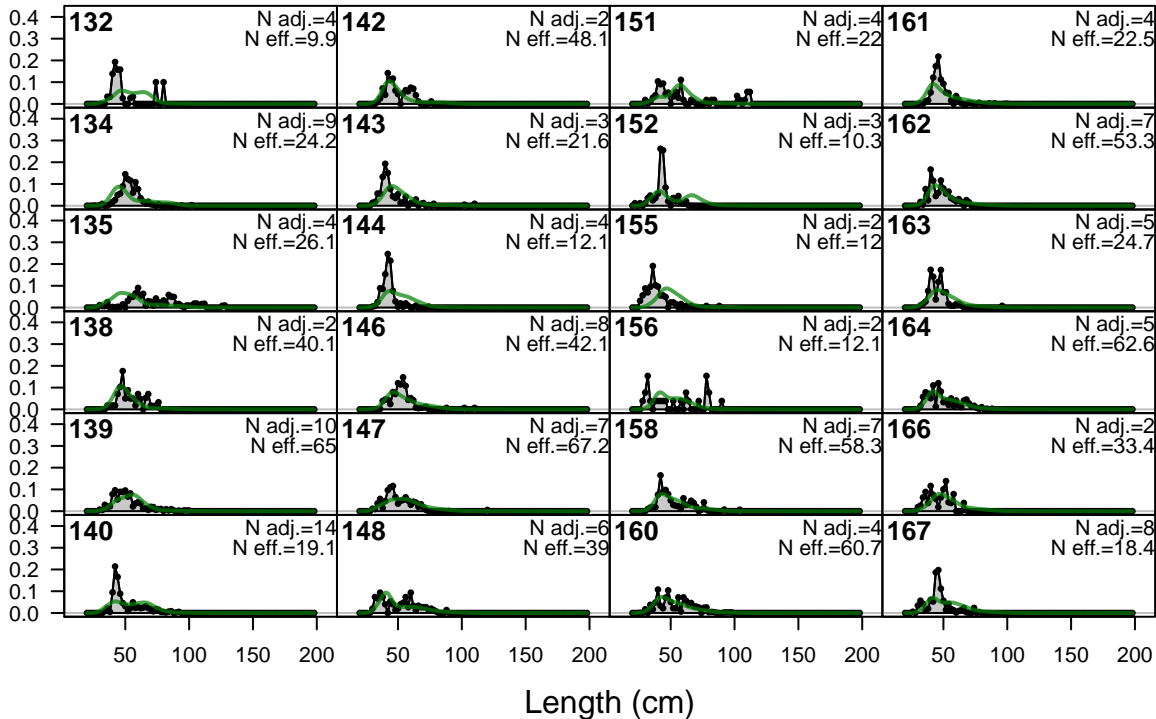
F3.OBJ.C (whole catch)



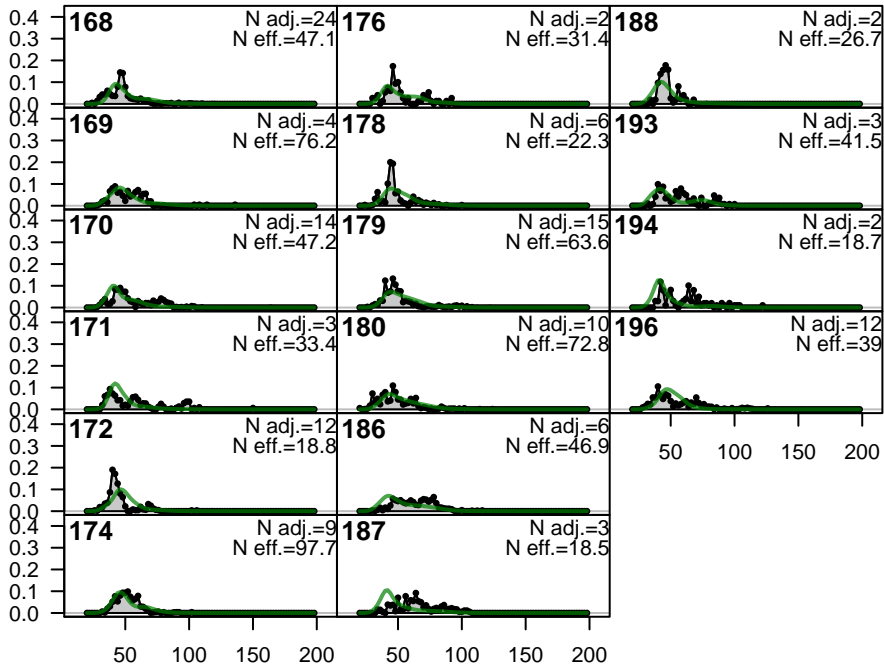
Proportion



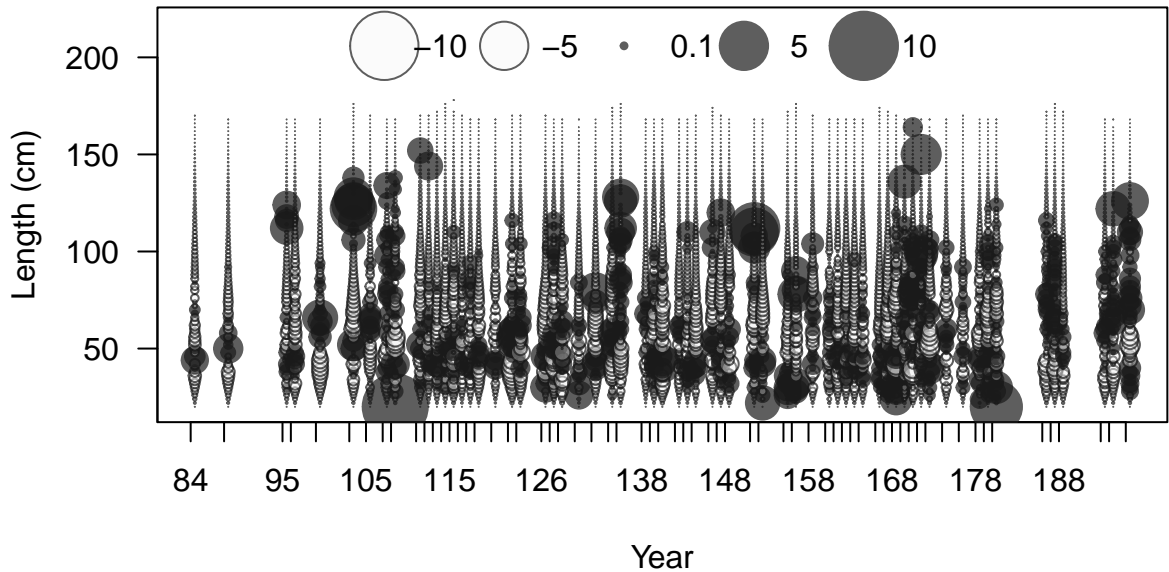
Proportion



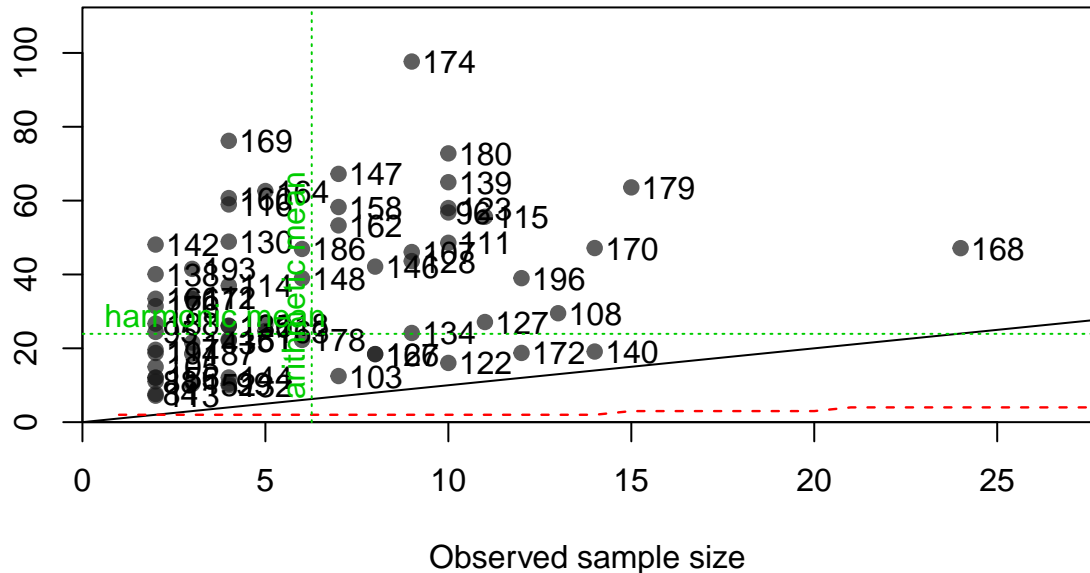
Proportion



Length (cm)

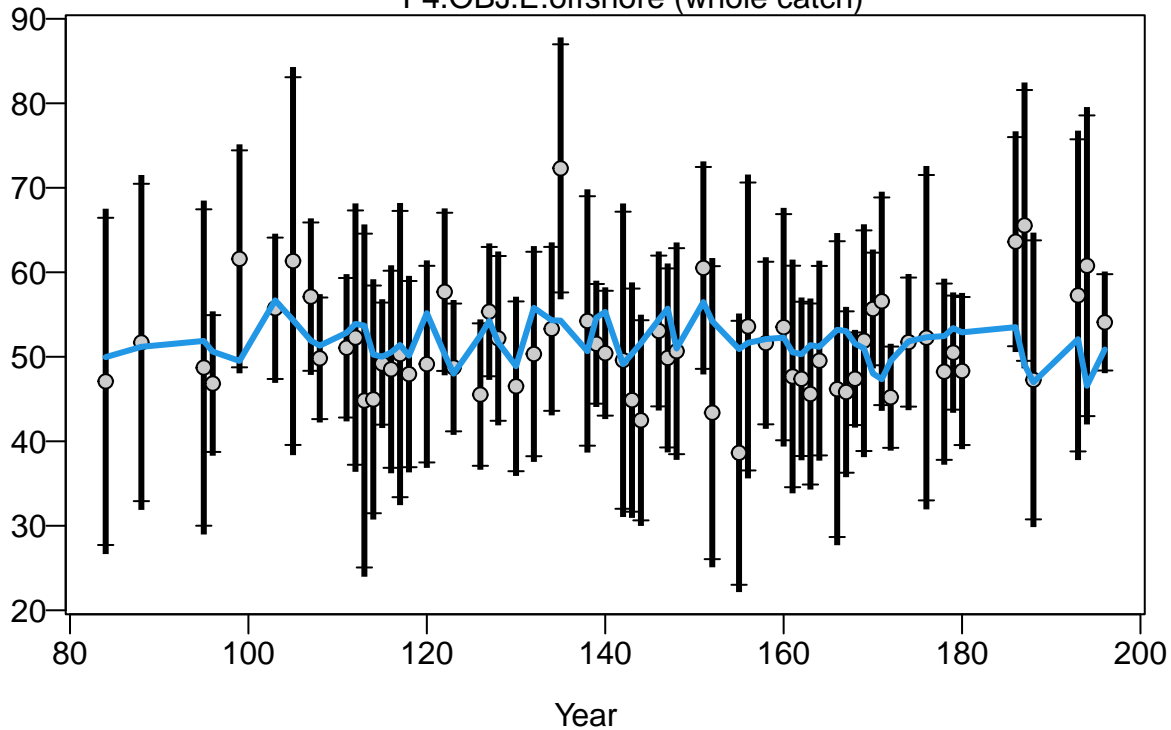


Effective sample size

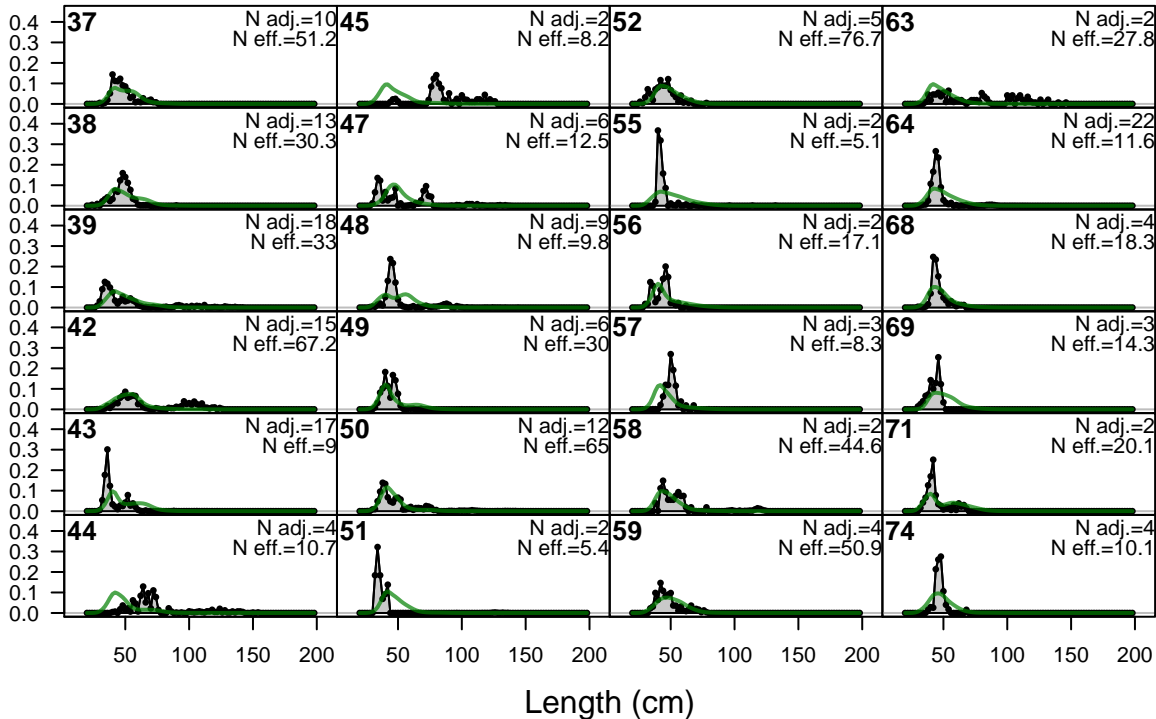


F4.OBJ.E.offshore (whole catch)

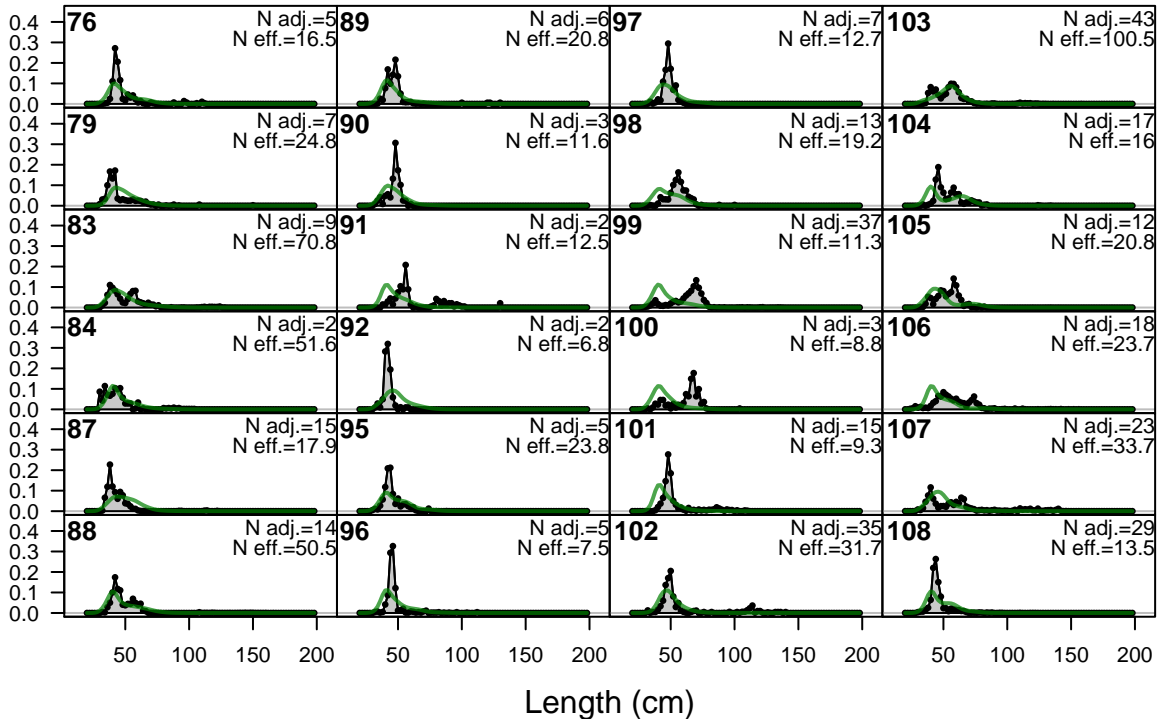
Mean length



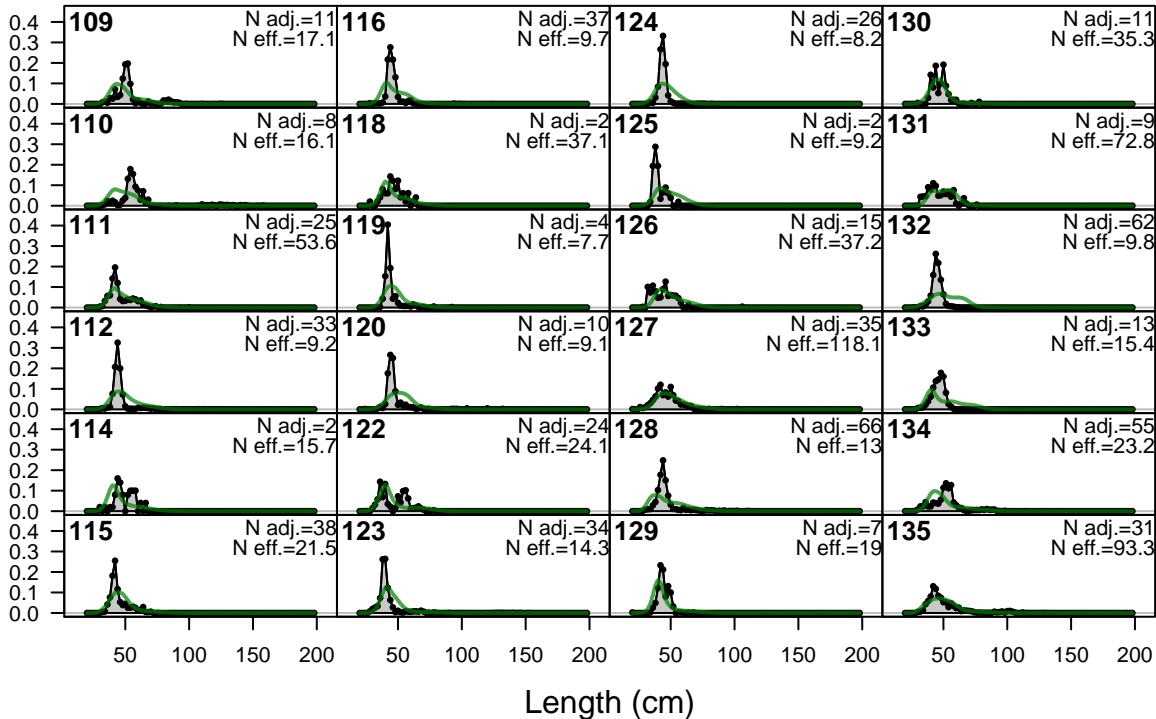
Proportion



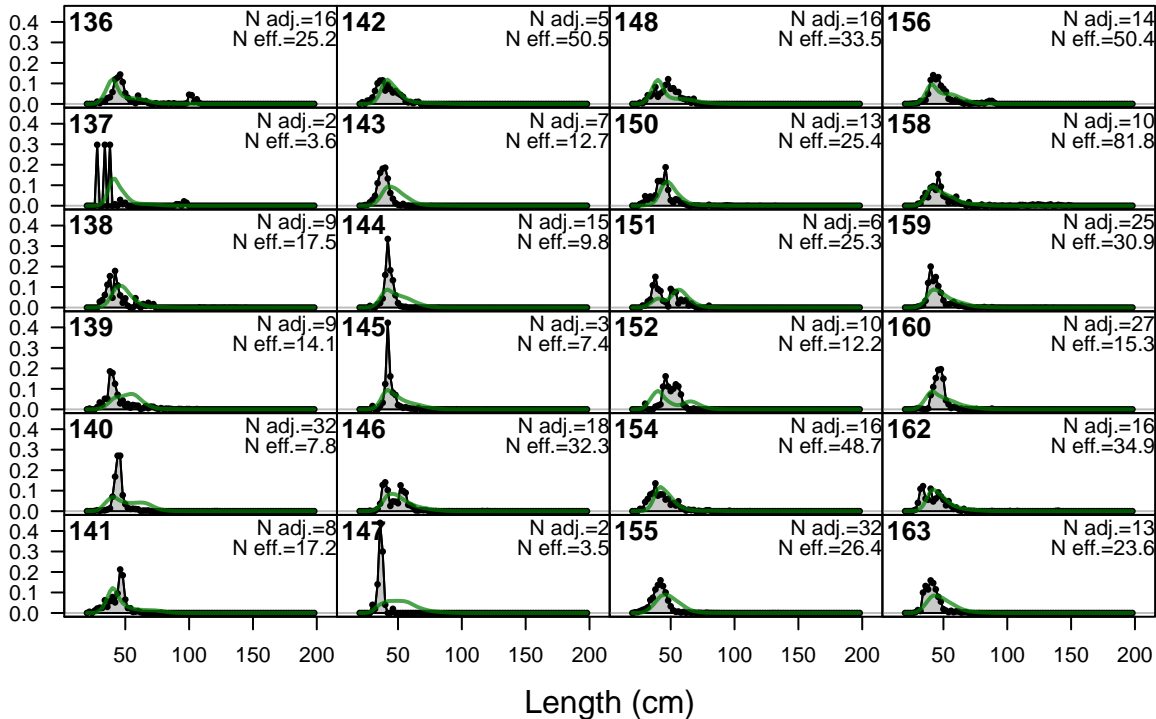
Proportion



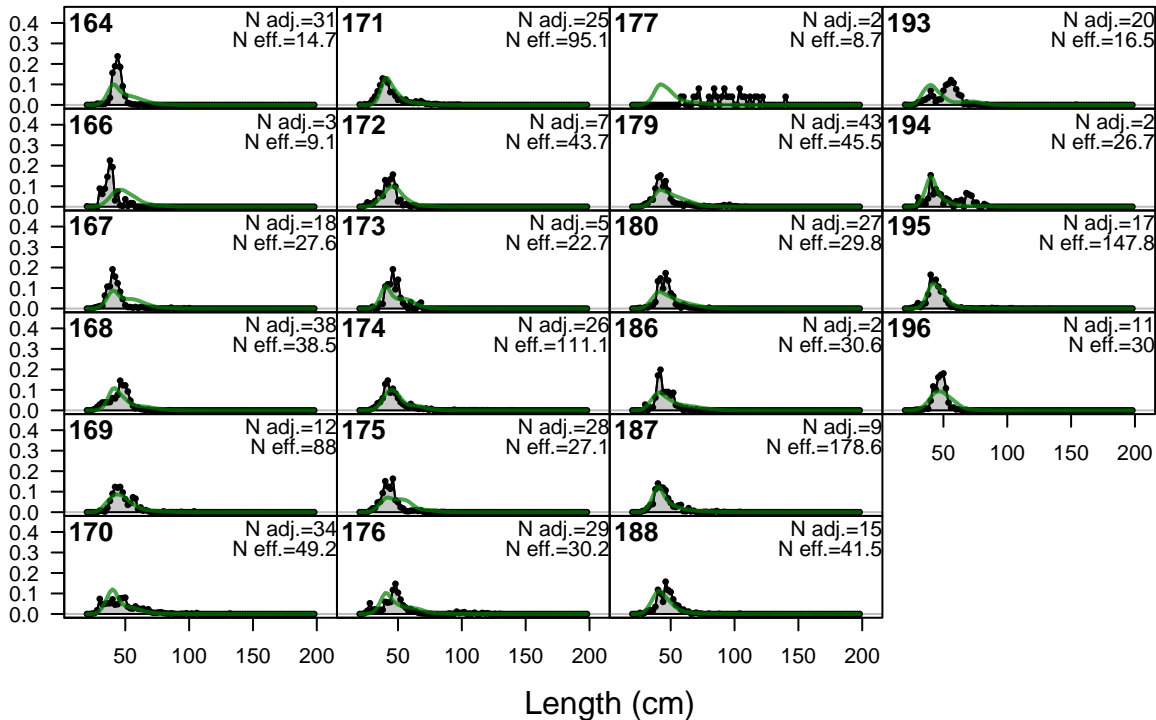
Proportion

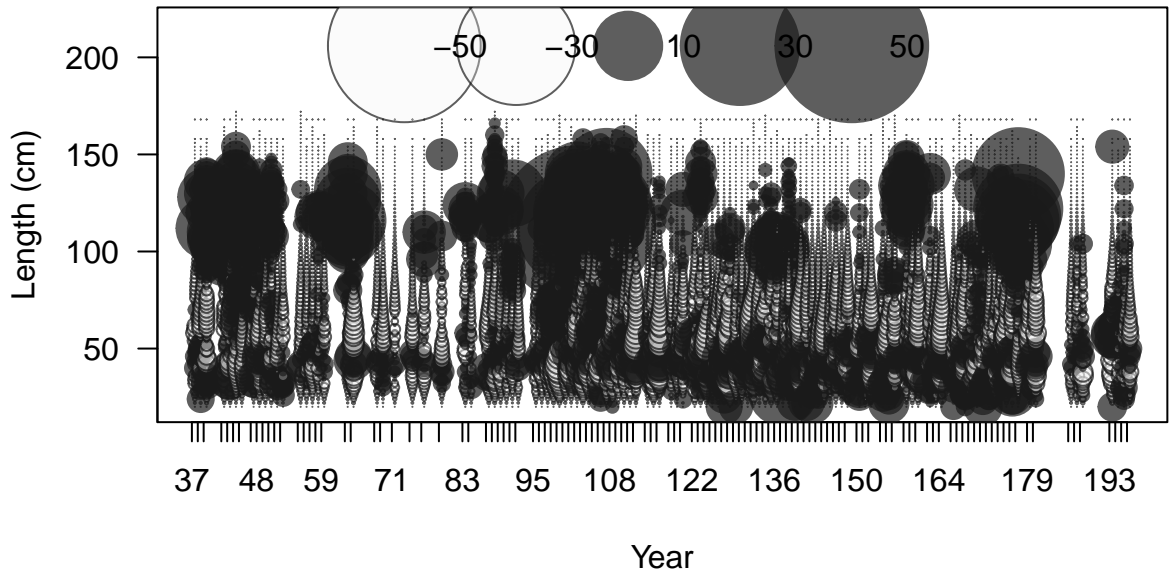


Proportion

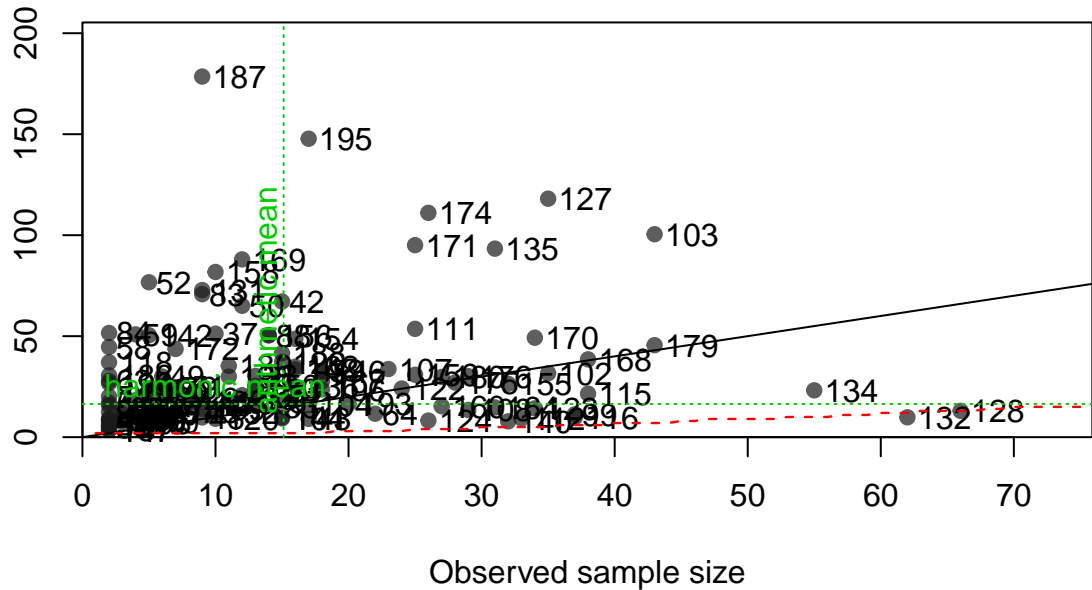


Proportion

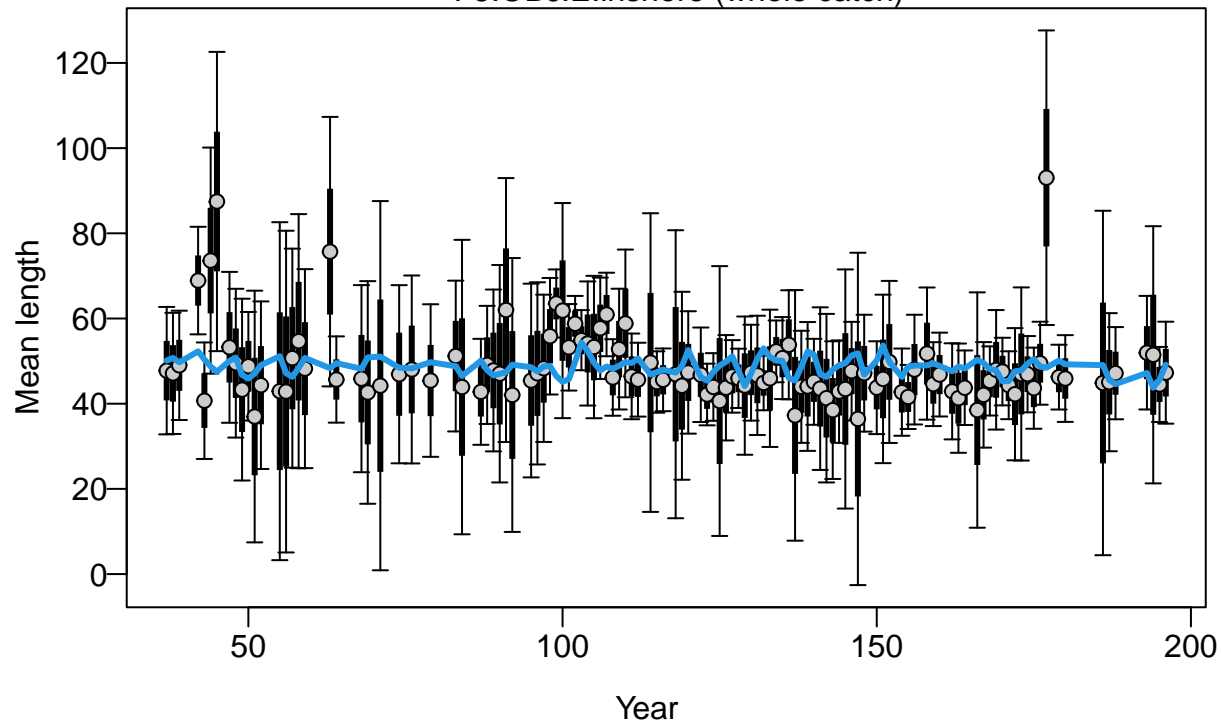




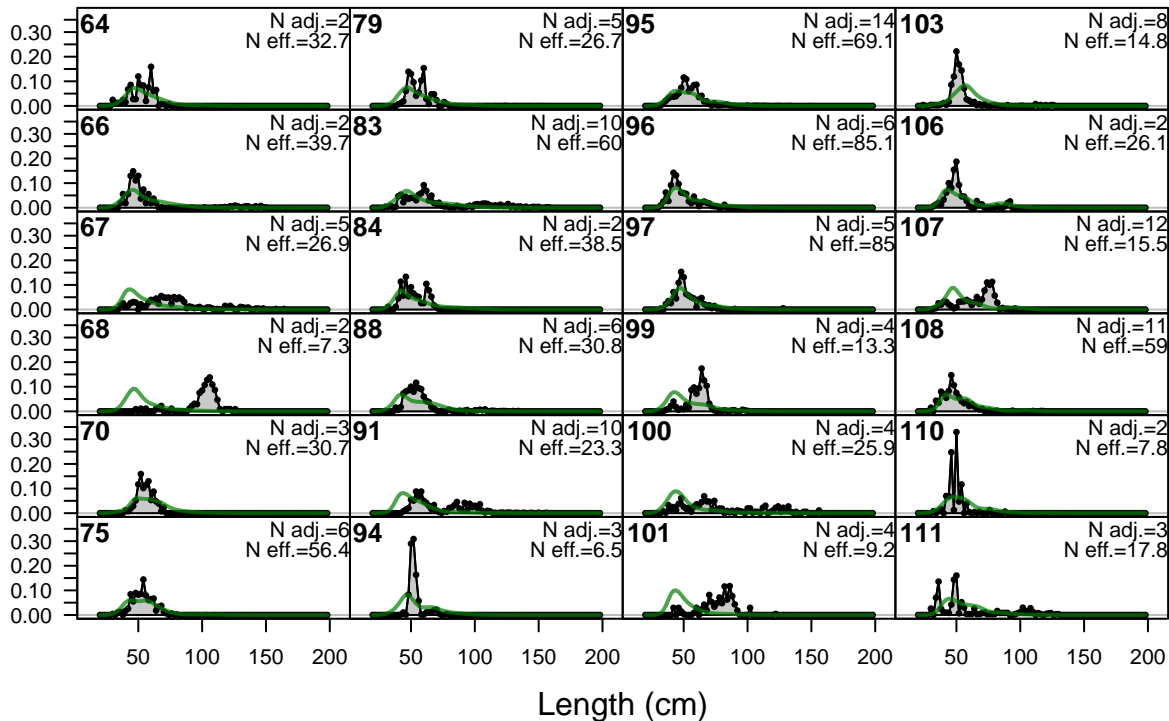
Effective sample size



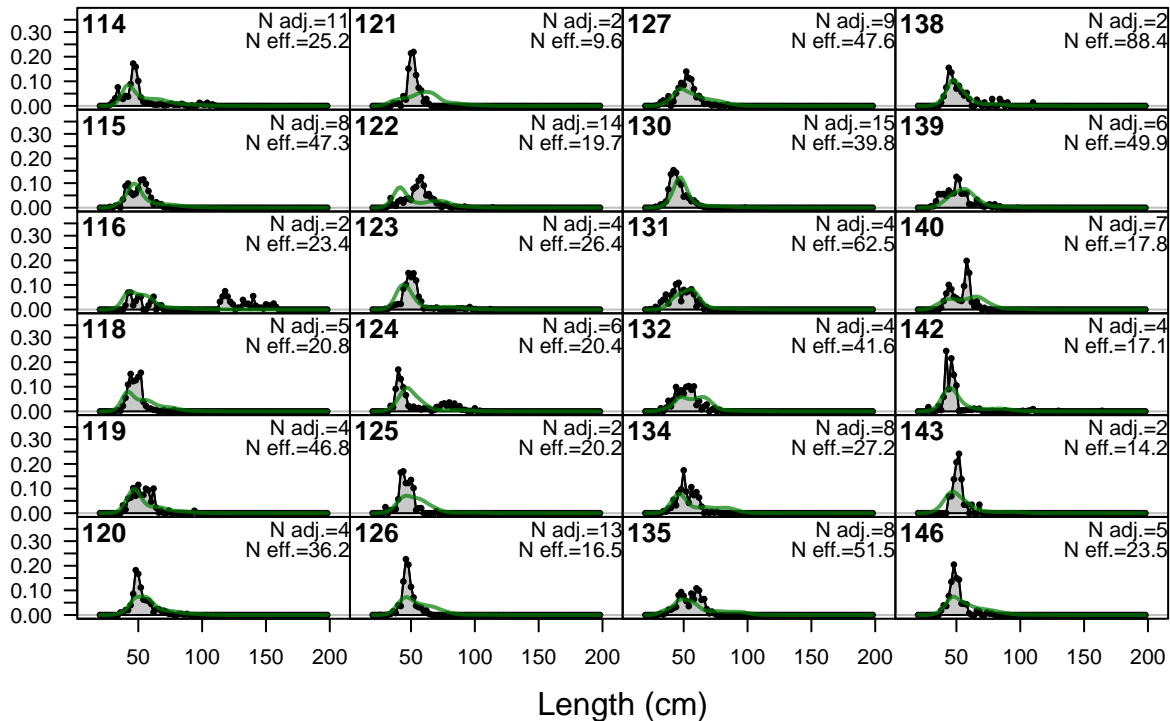
F5.OBJ.E.inshore (whole catch)



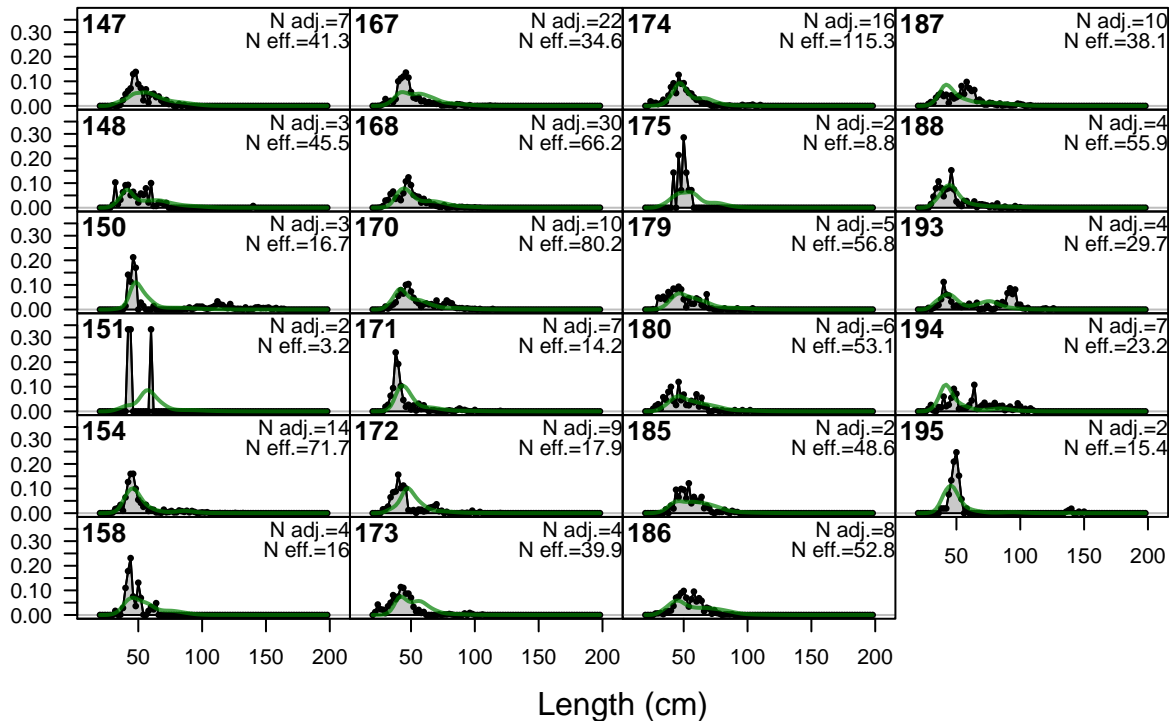
Proportion

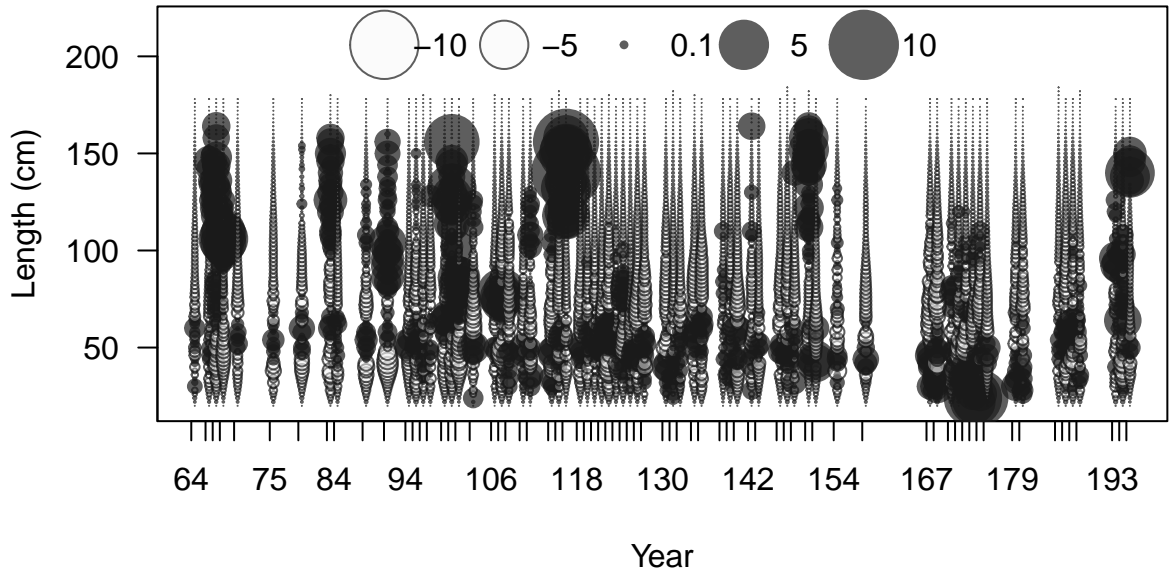


Proportion

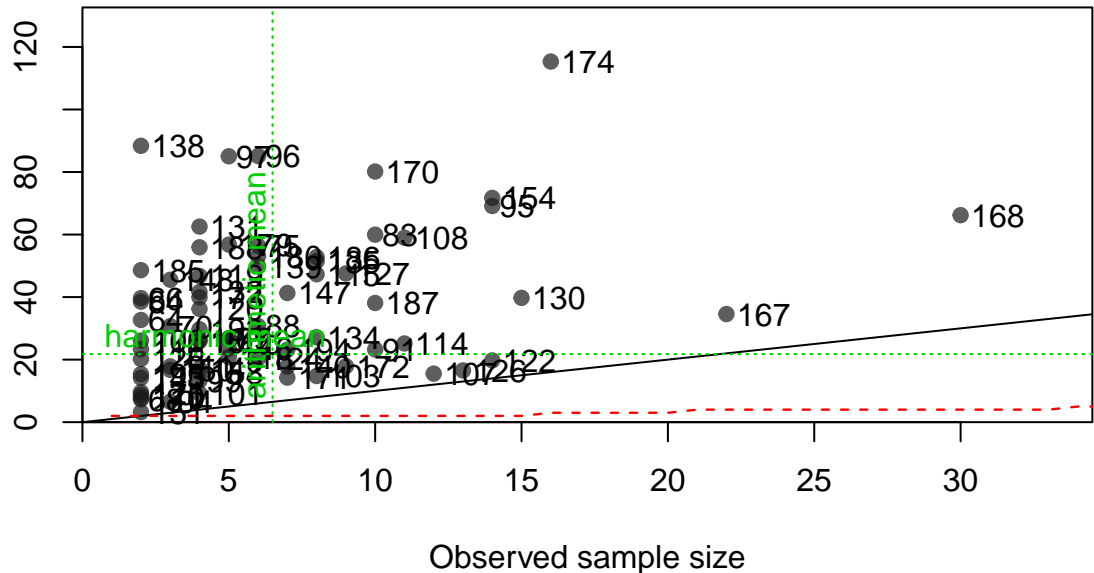


Proportion

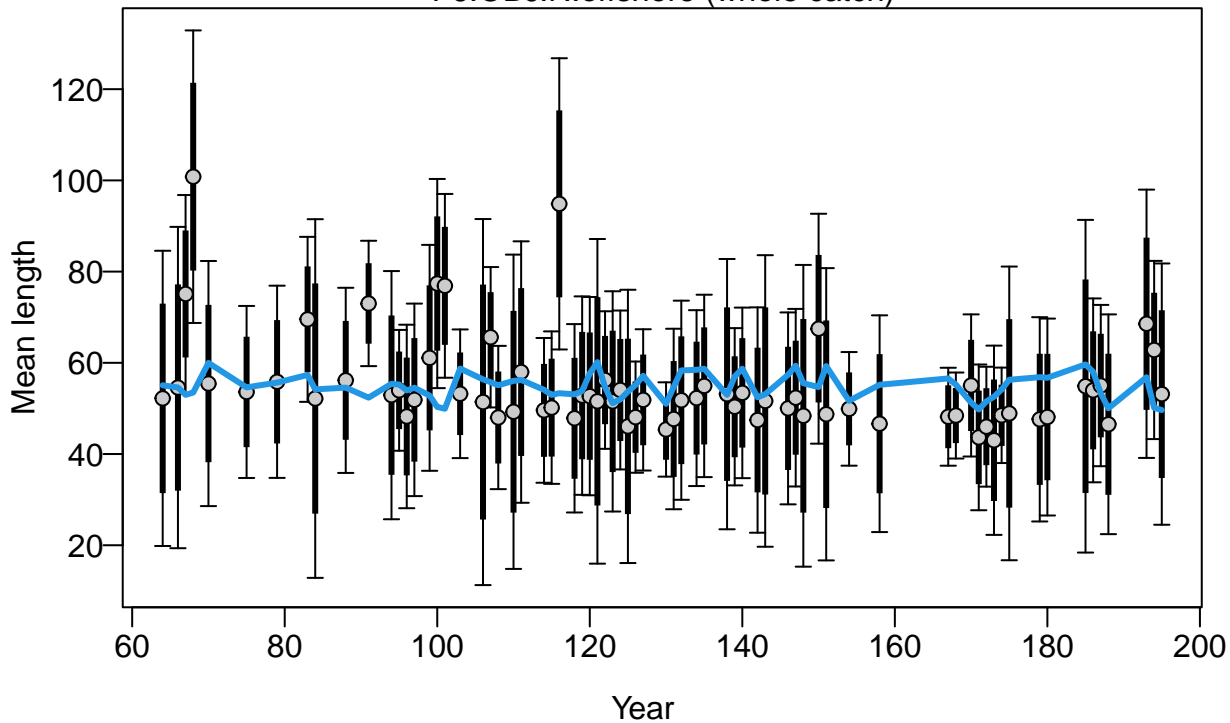




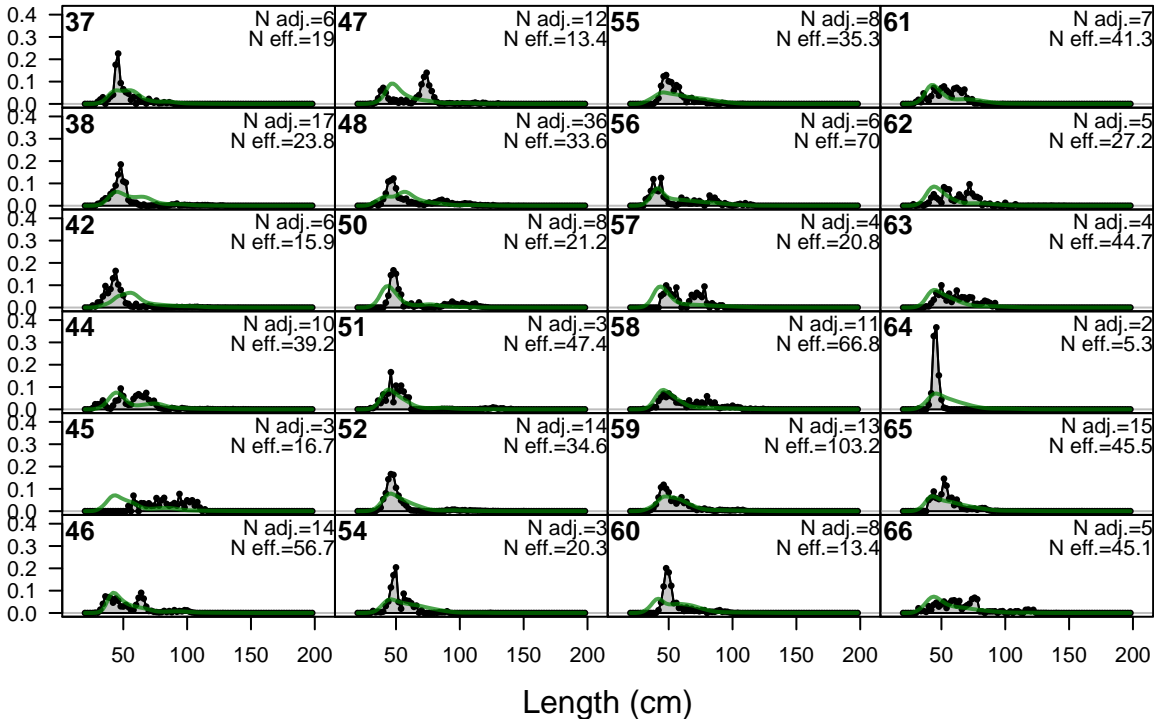
Effective sample size



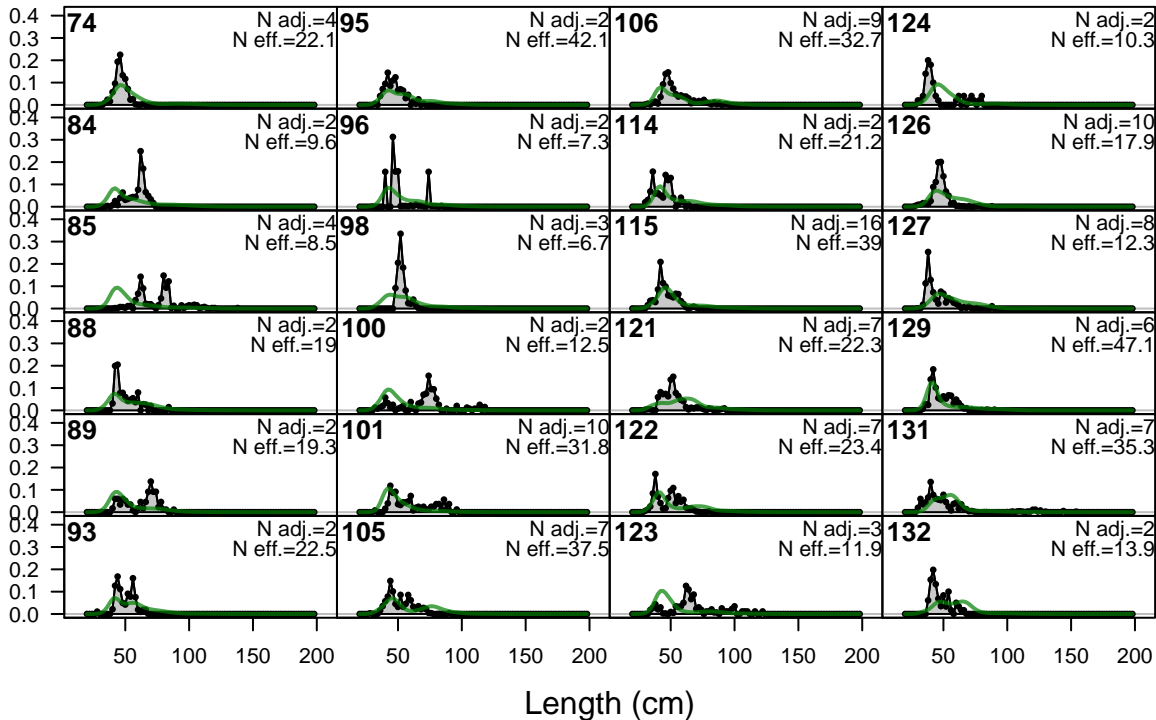
F6.OBJ.N.offshore (whole catch)



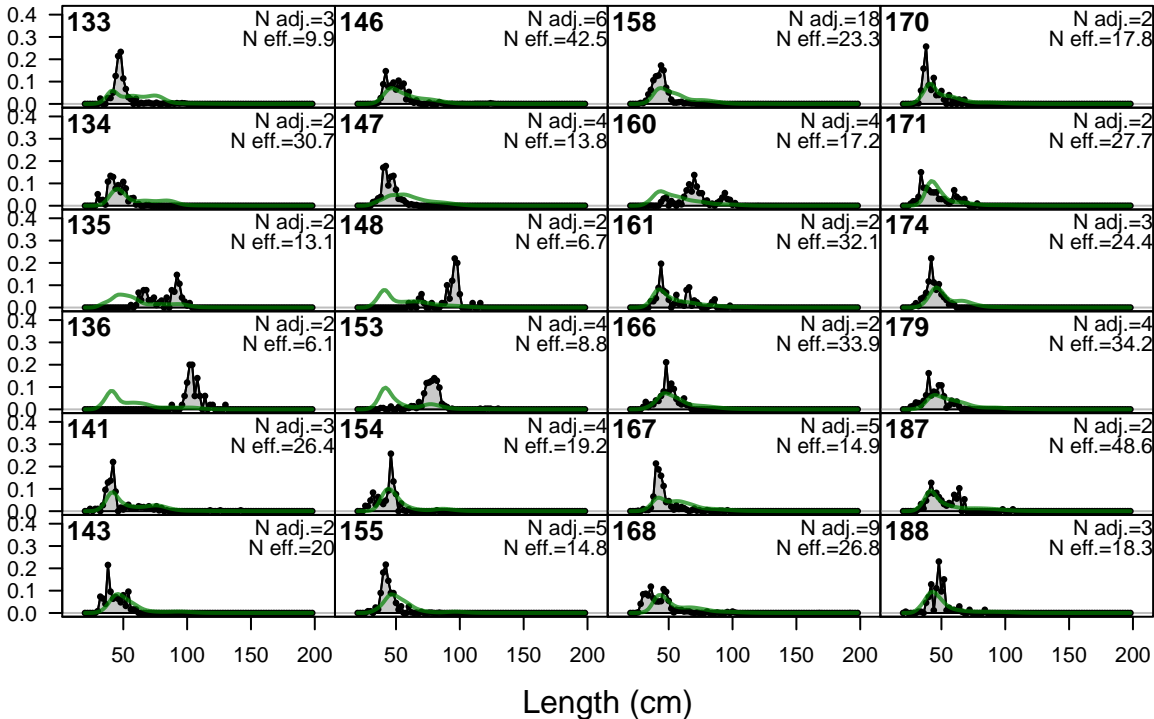
Proportion

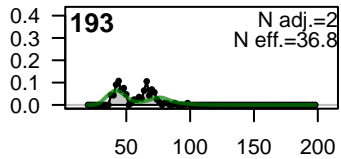


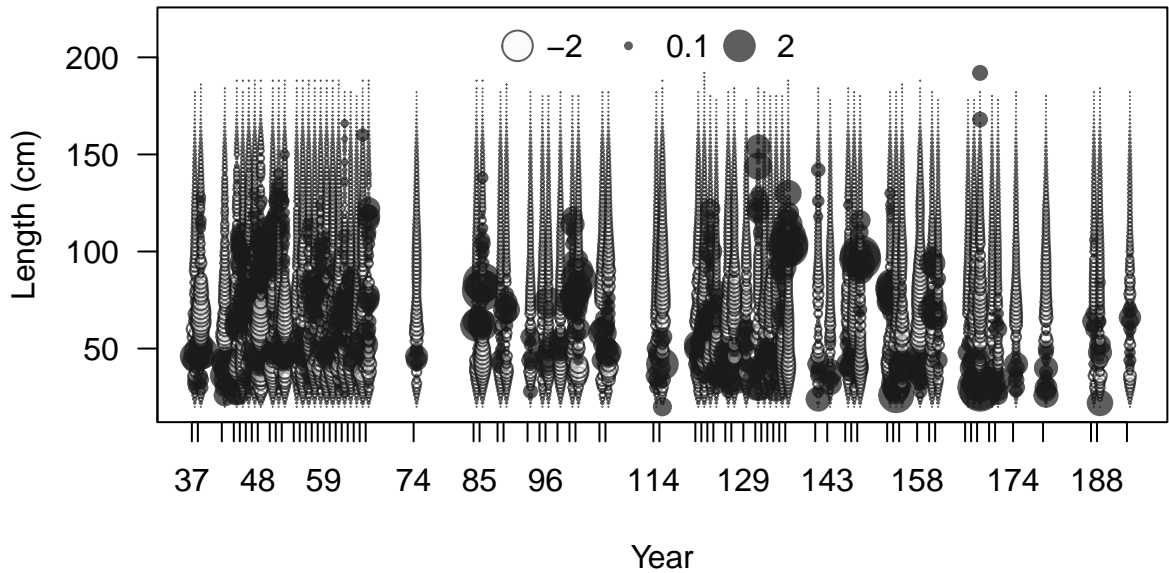
Proportion



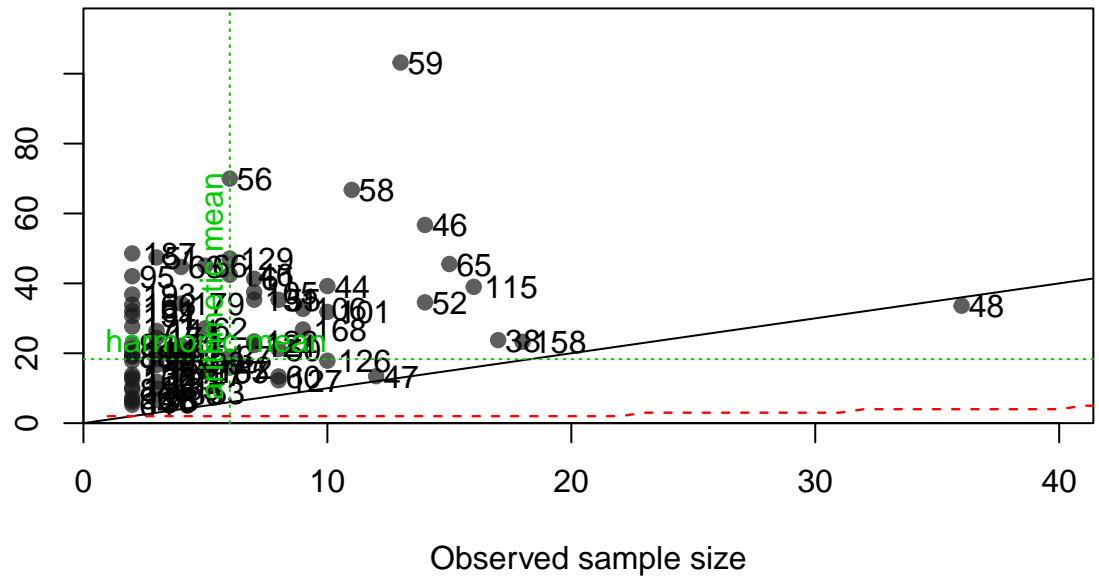
Proportion



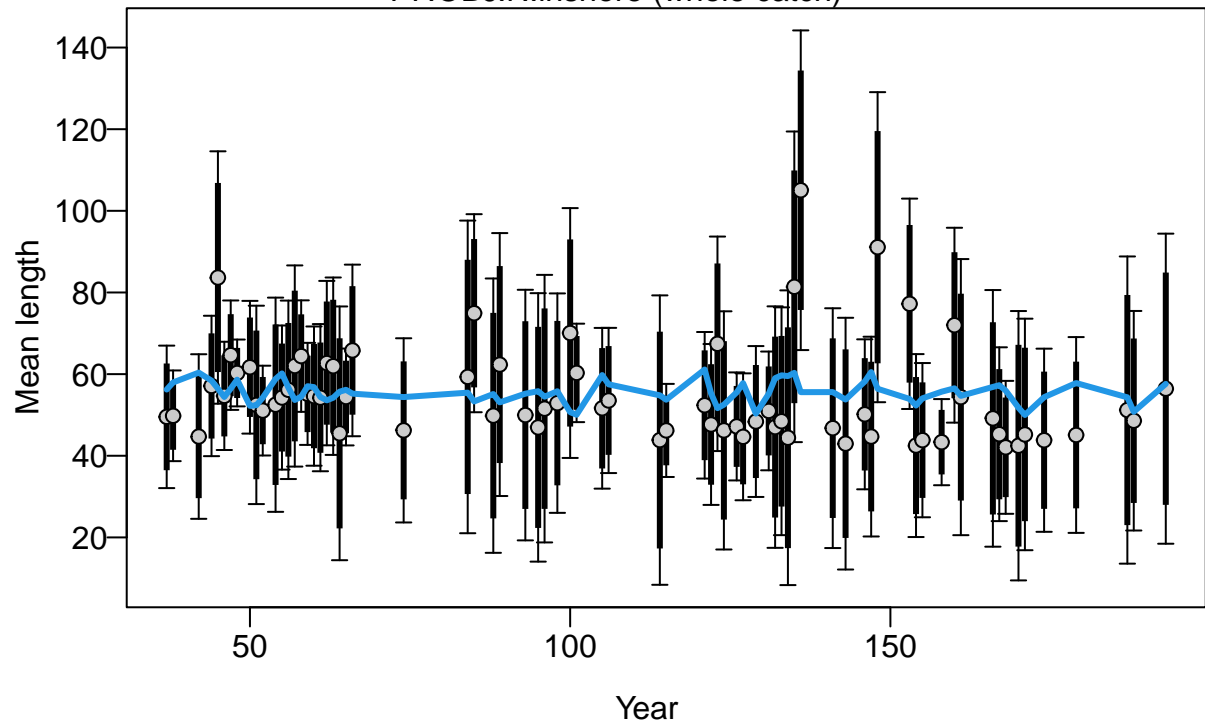




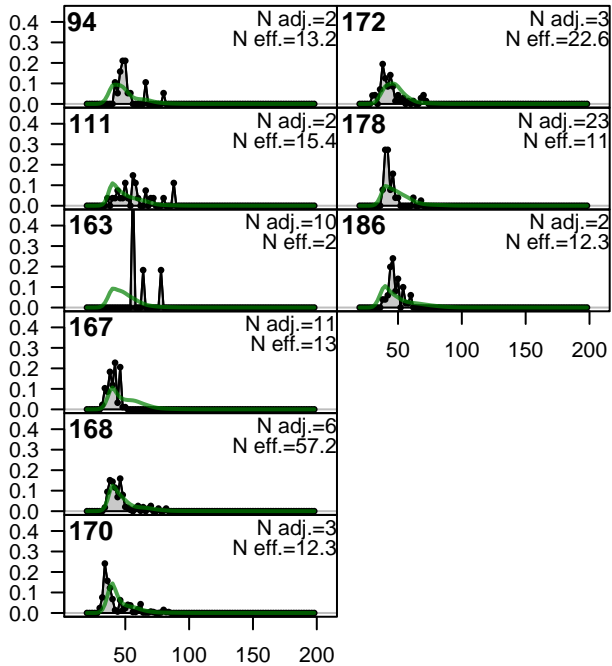
Effective sample size



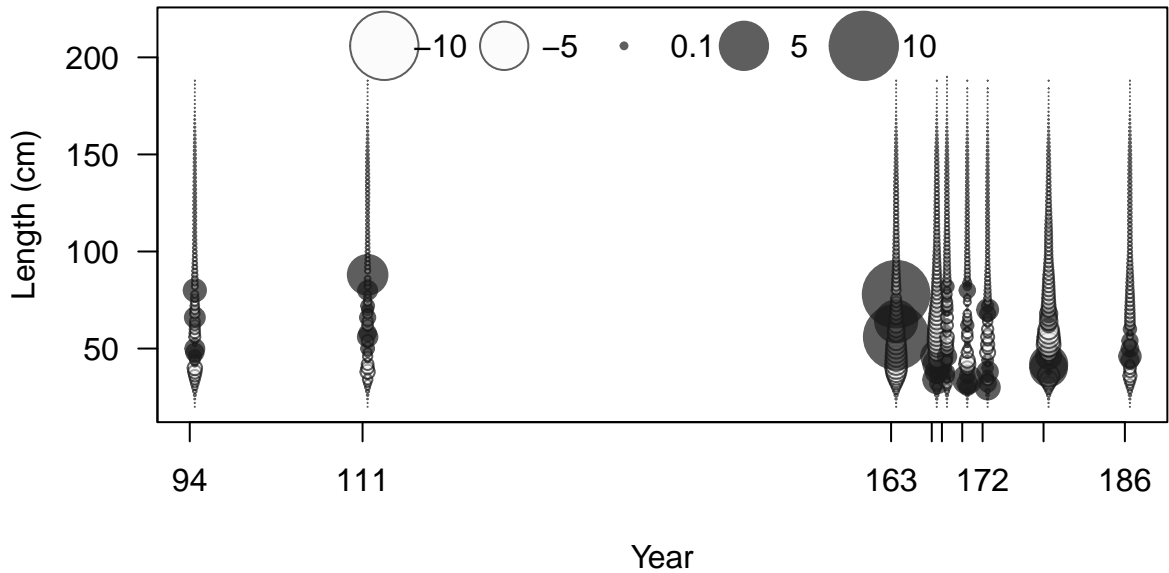
F7.OBJ.N.inshore (whole catch)



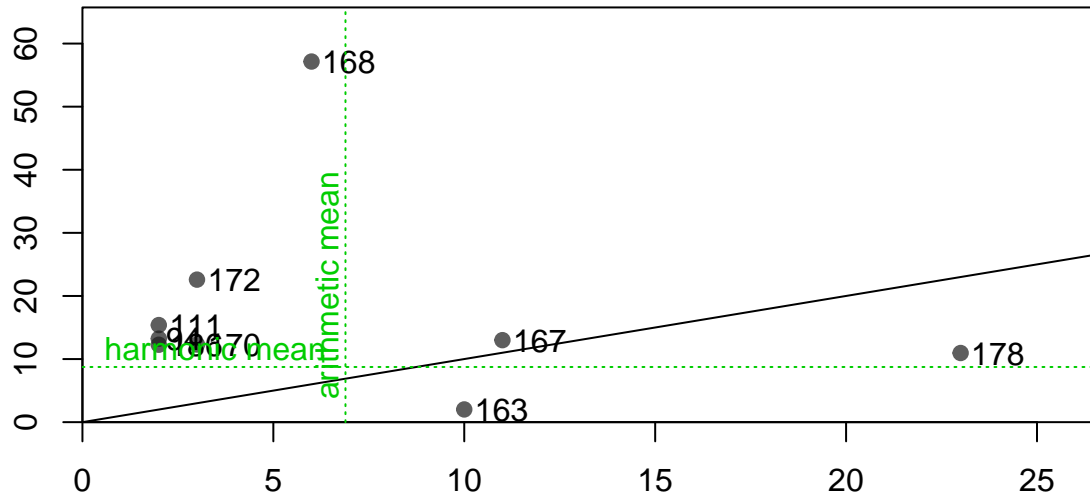
Proportion



Length (cm)

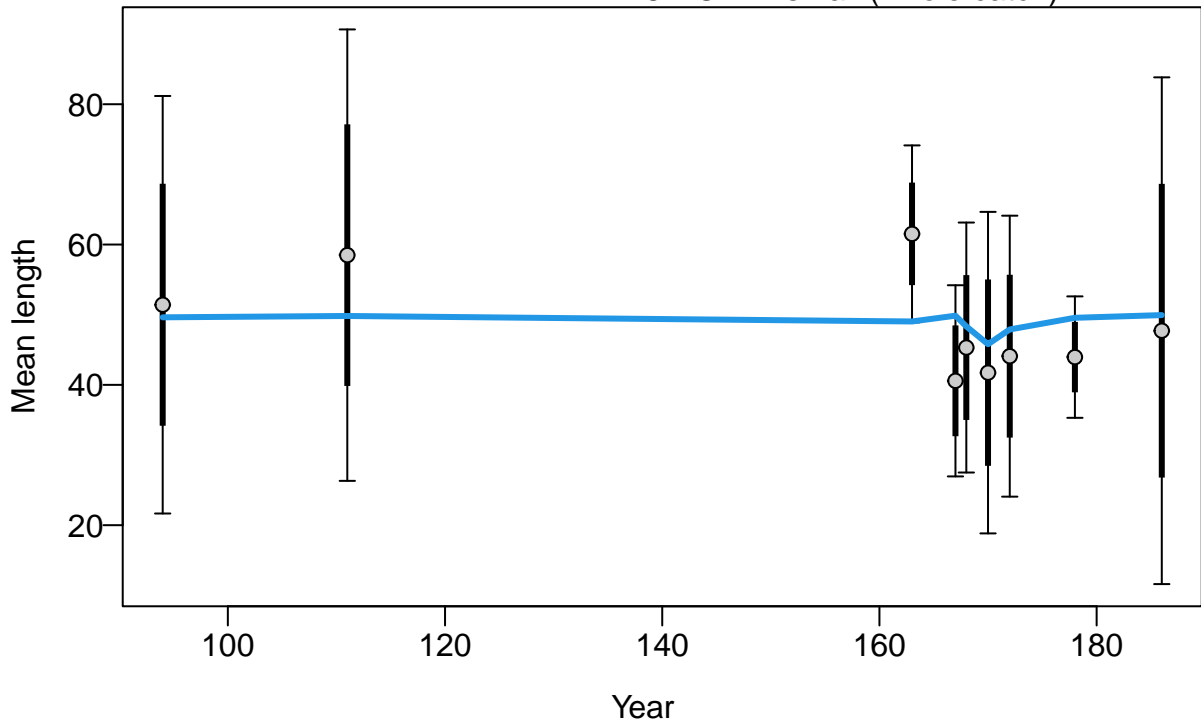


Effective sample size

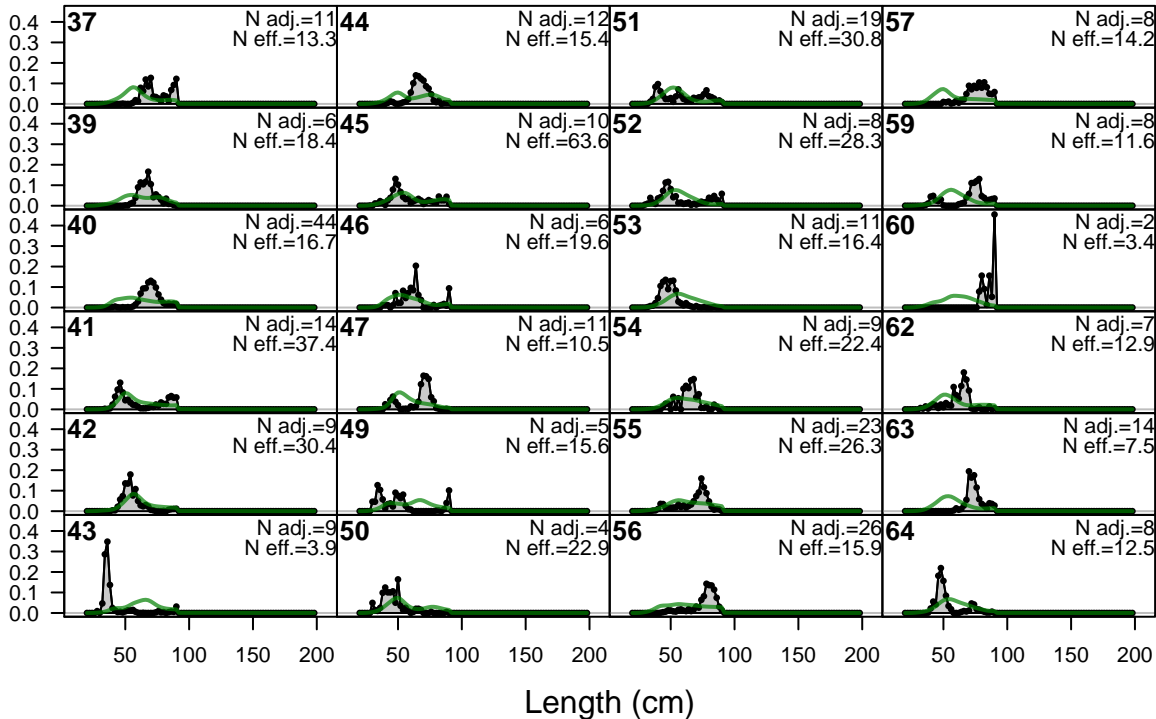


Observed sample size

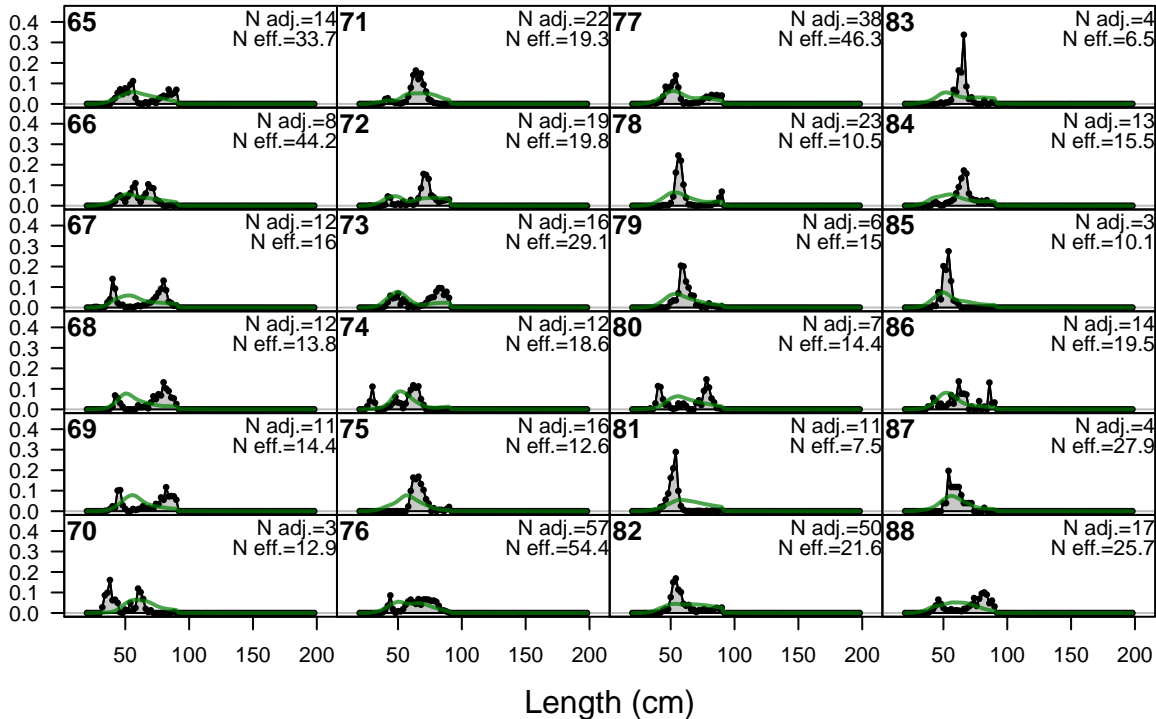
F8.NOA.W.small (whole catch)



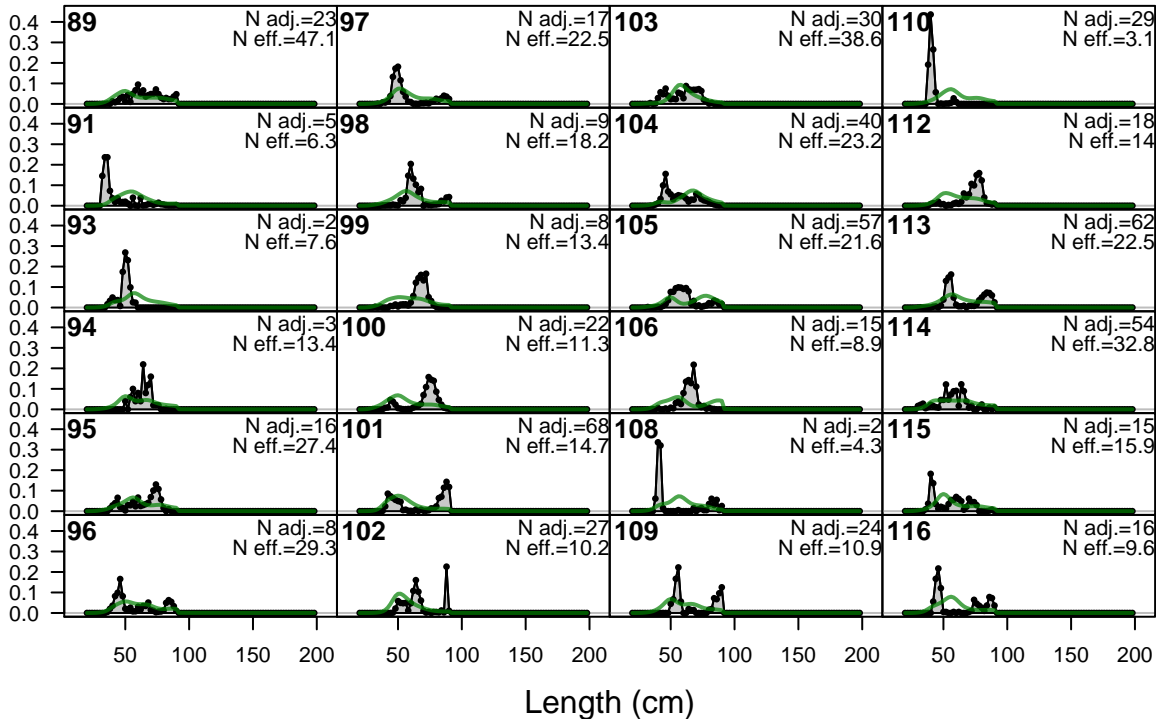
Proportion



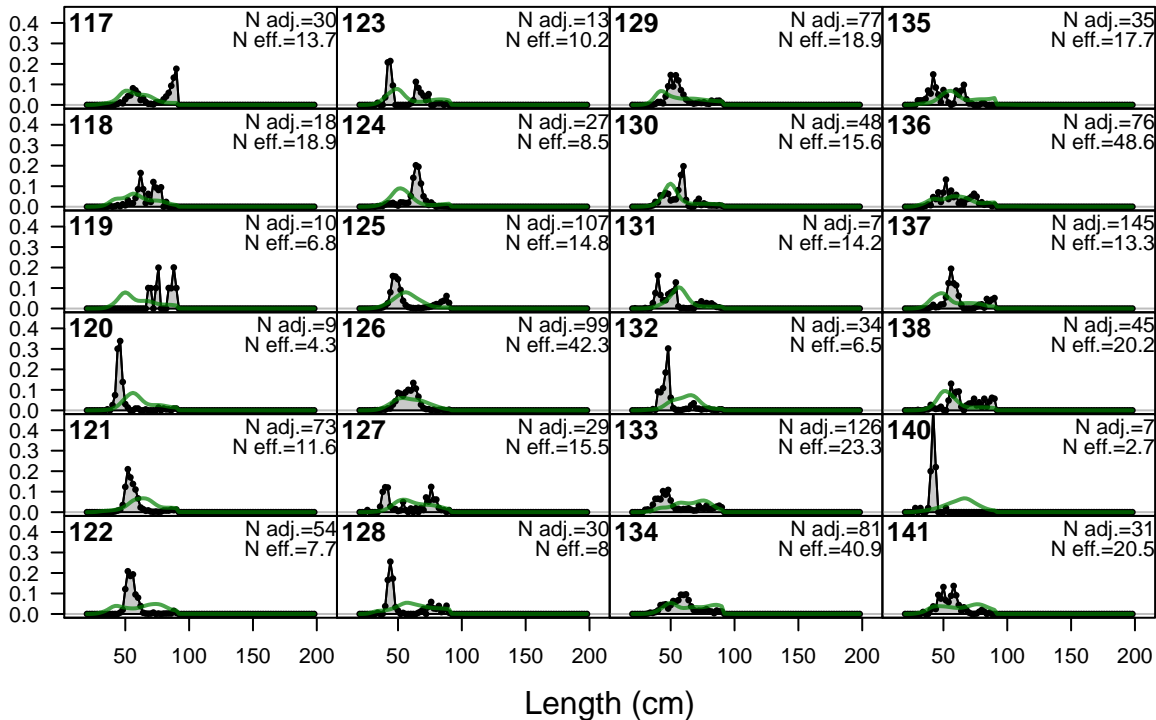
Proportion



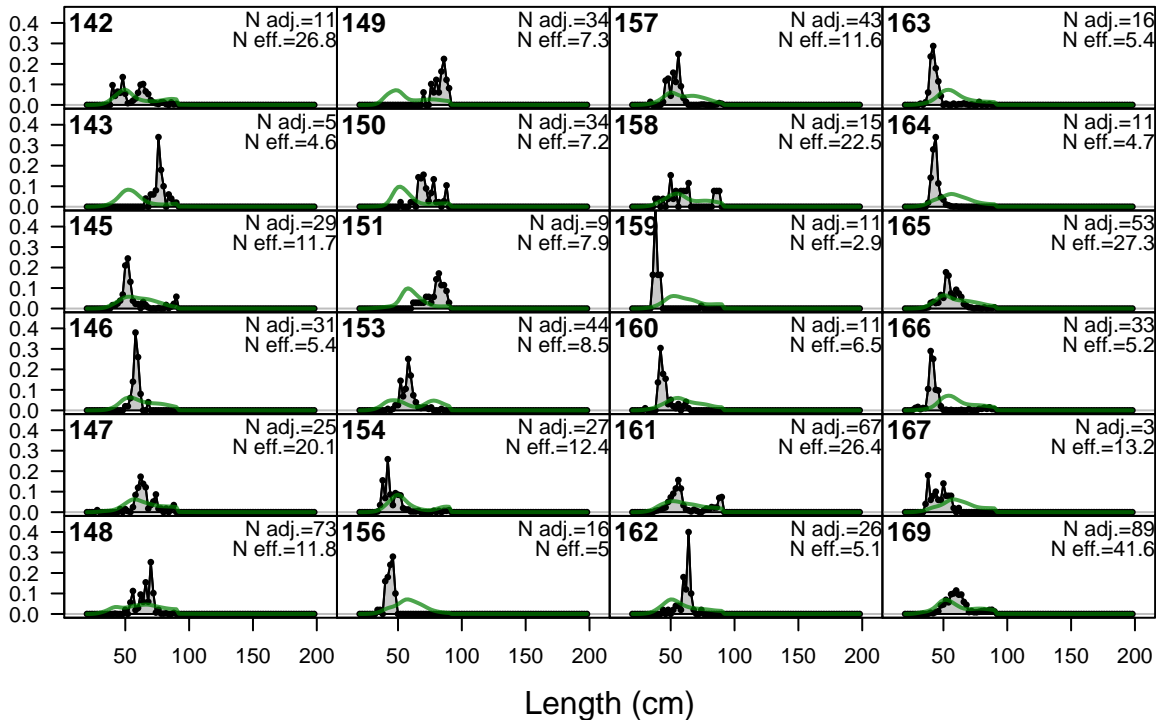
Proportion



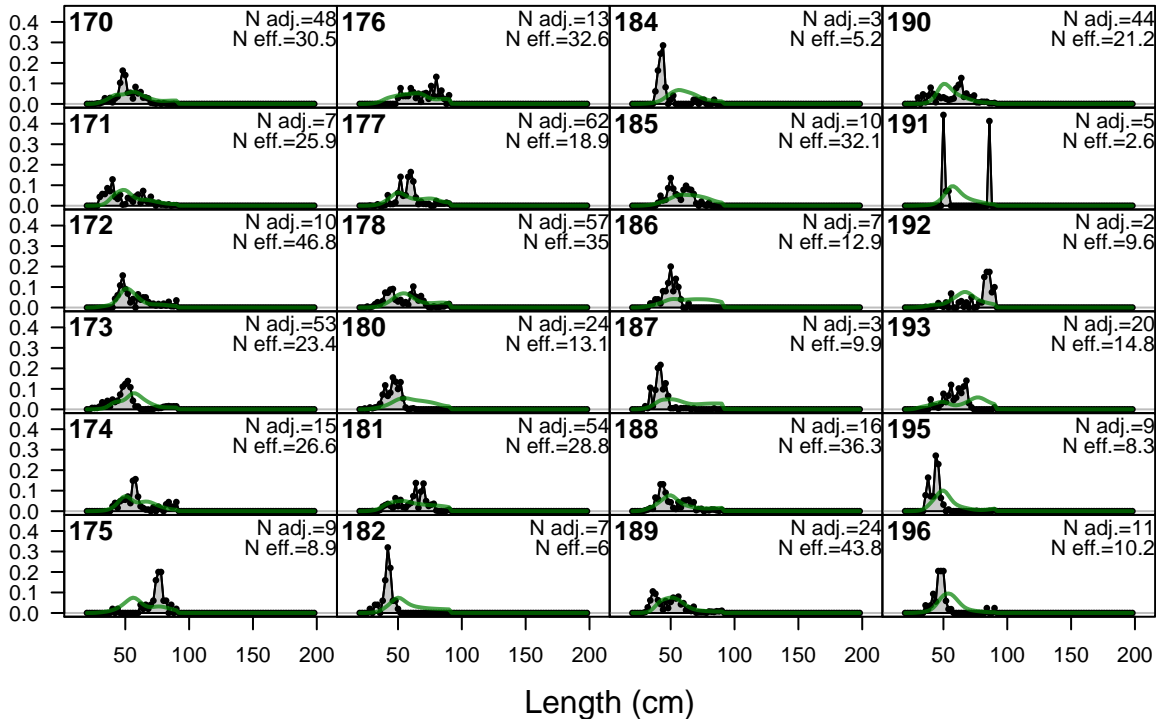
Proportion

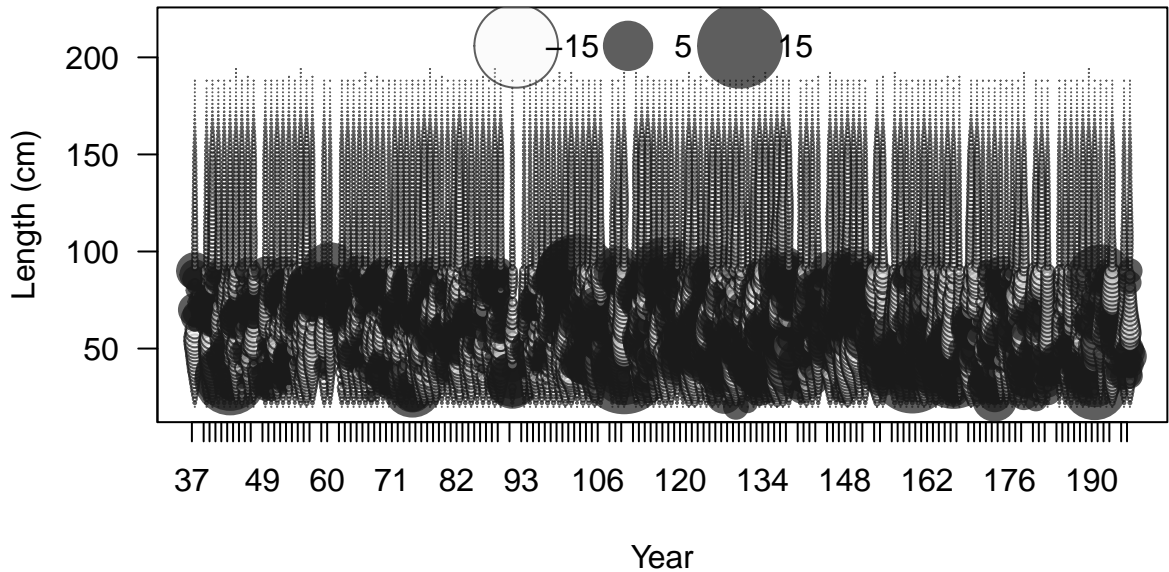


Proportion

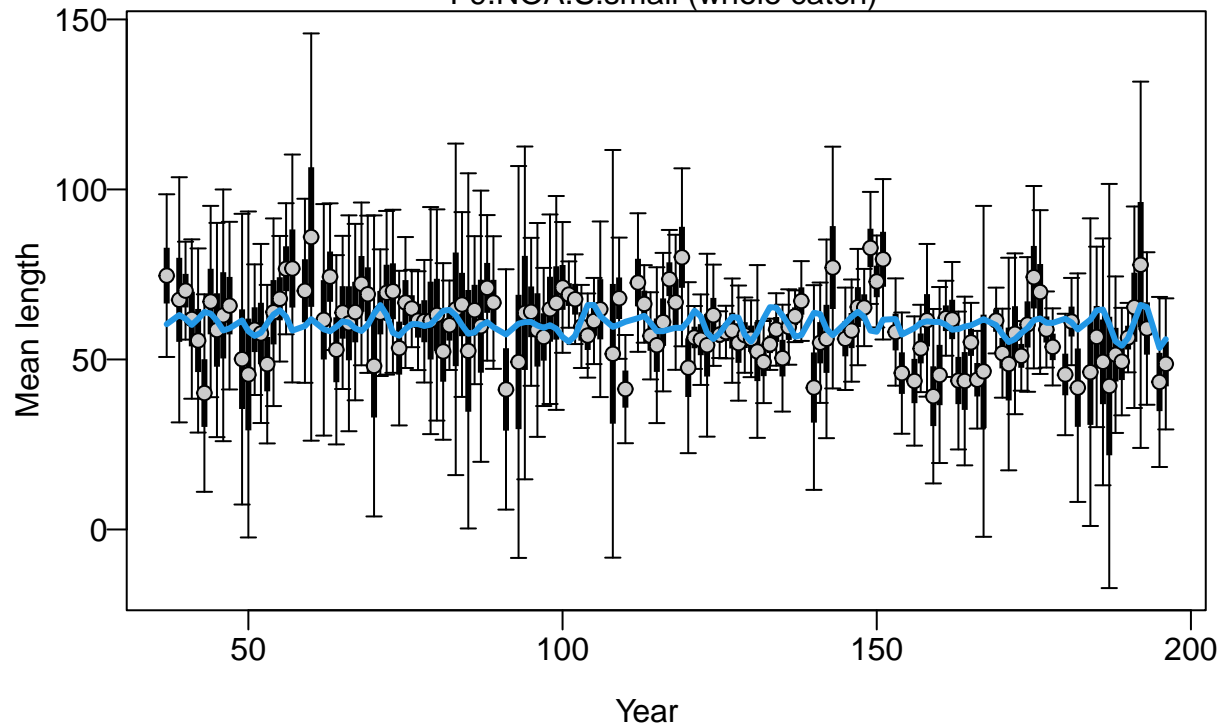


Proportion

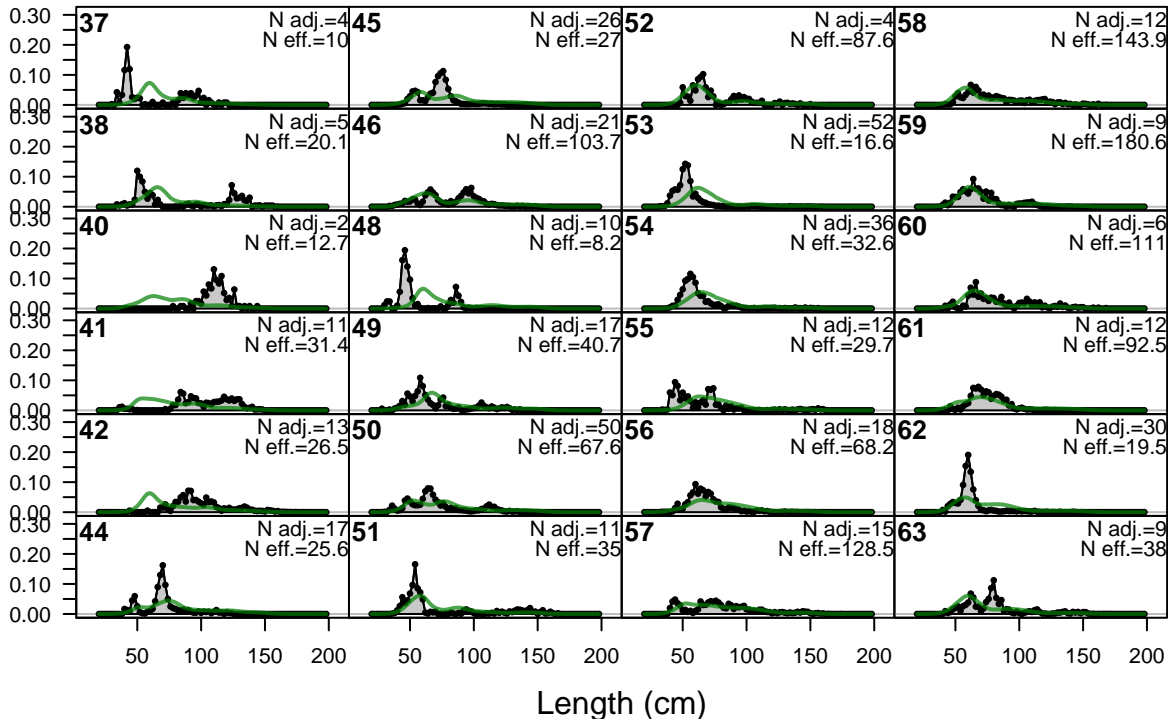




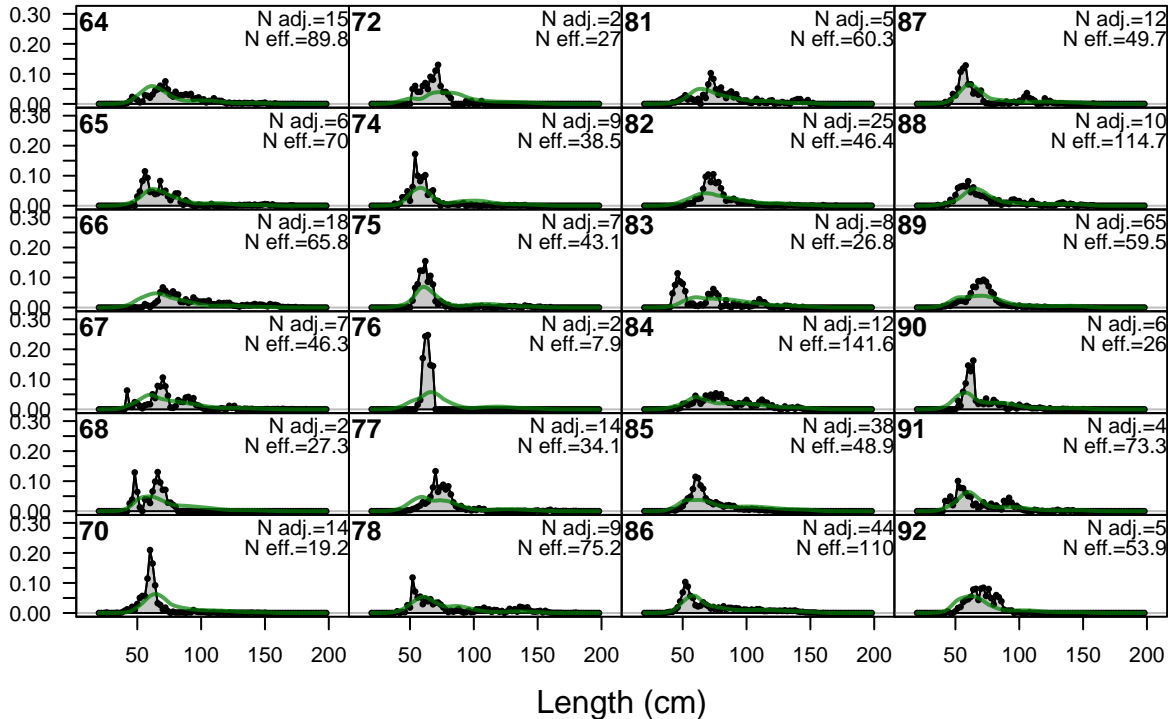
F9.NOA.S.small (whole catch)



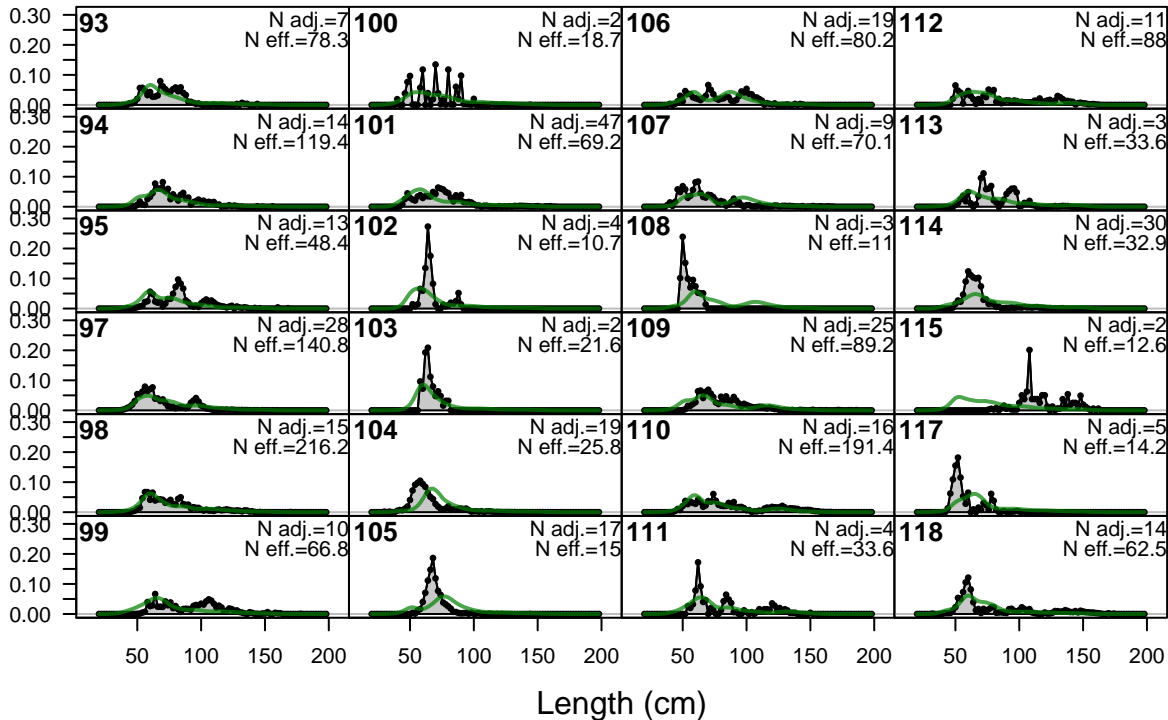
Proportion



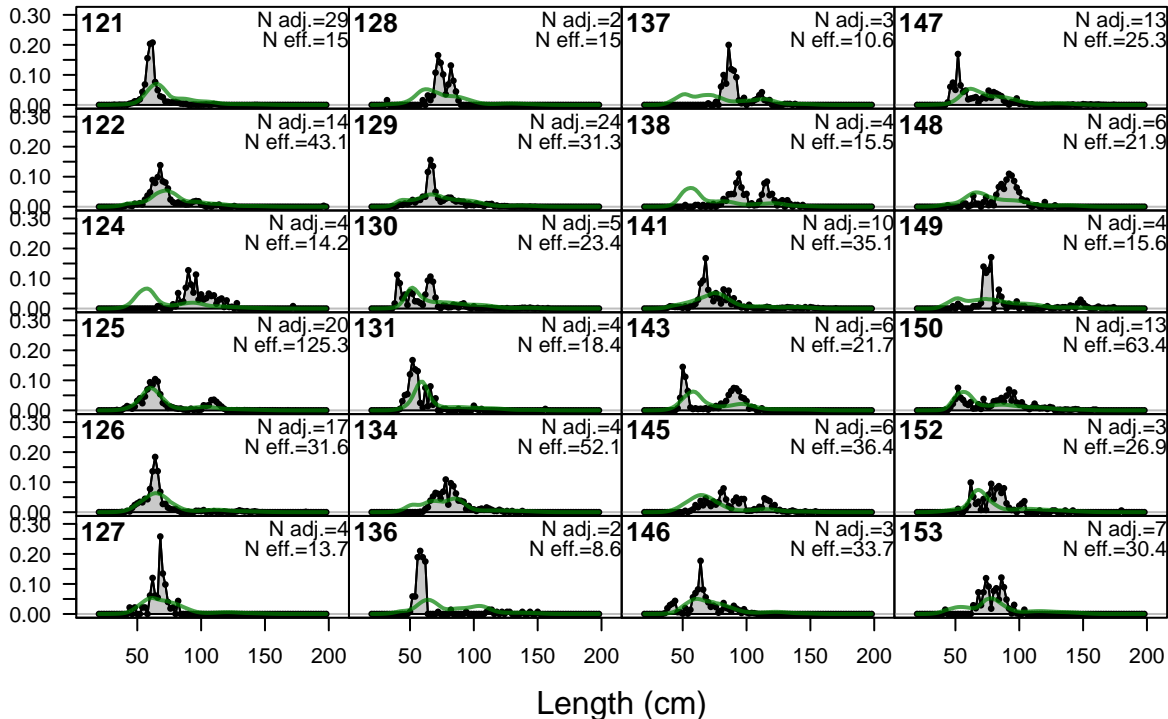
Proportion



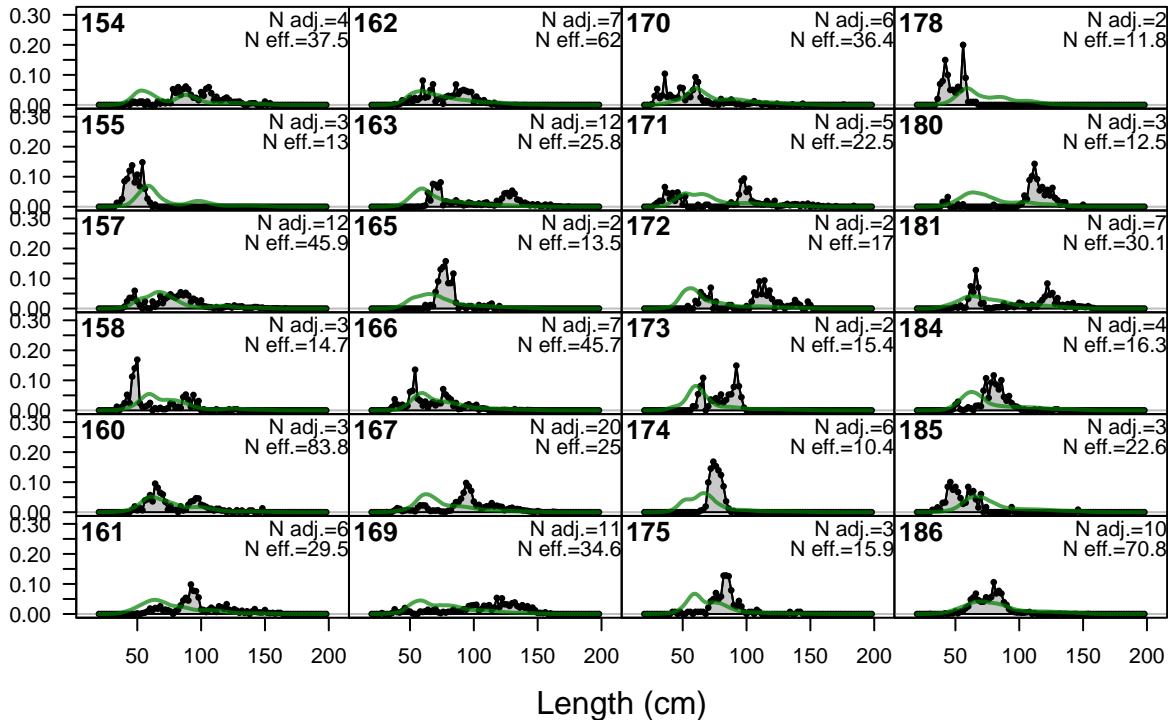
Proportion



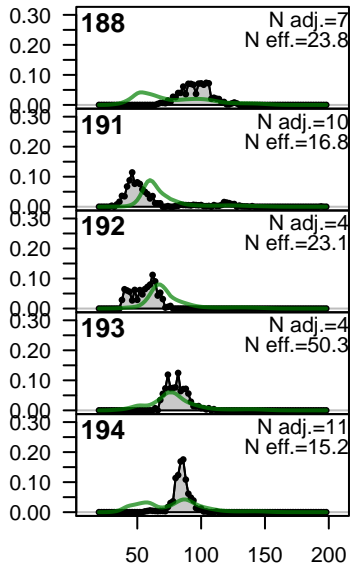
Proportion



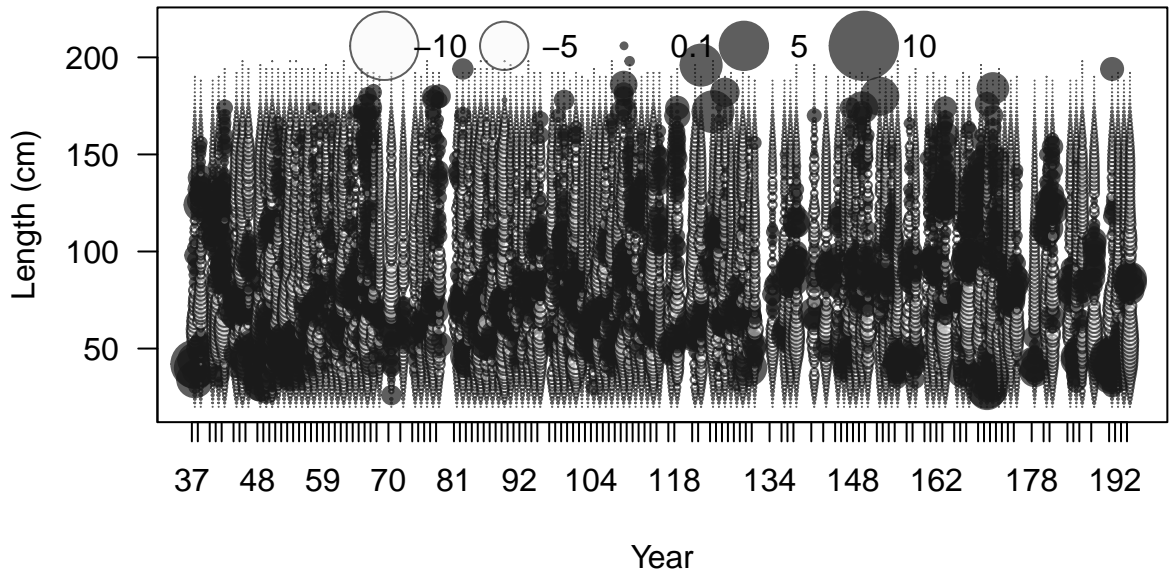
Proportion



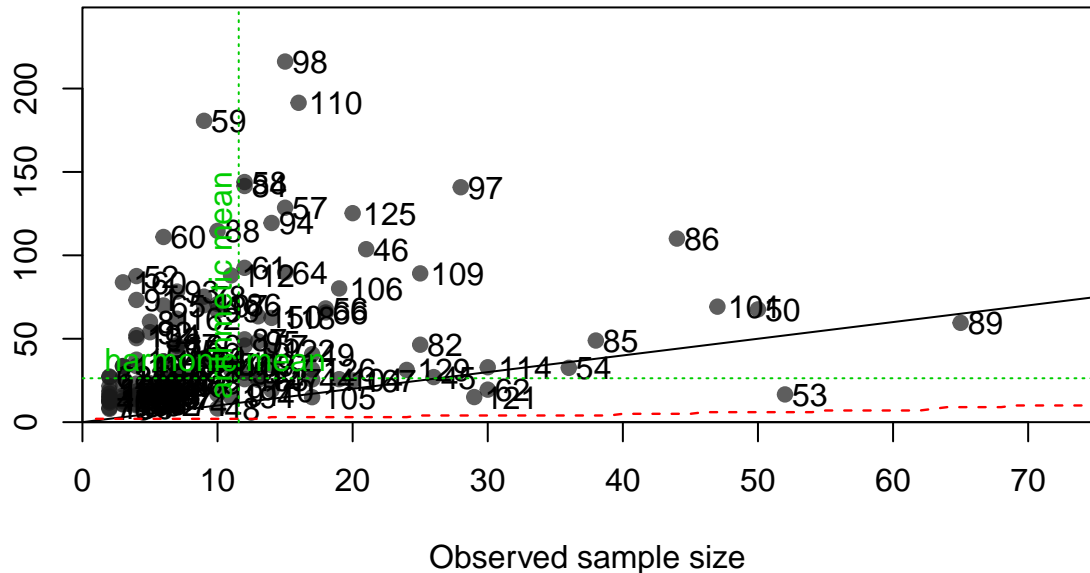
Proportion



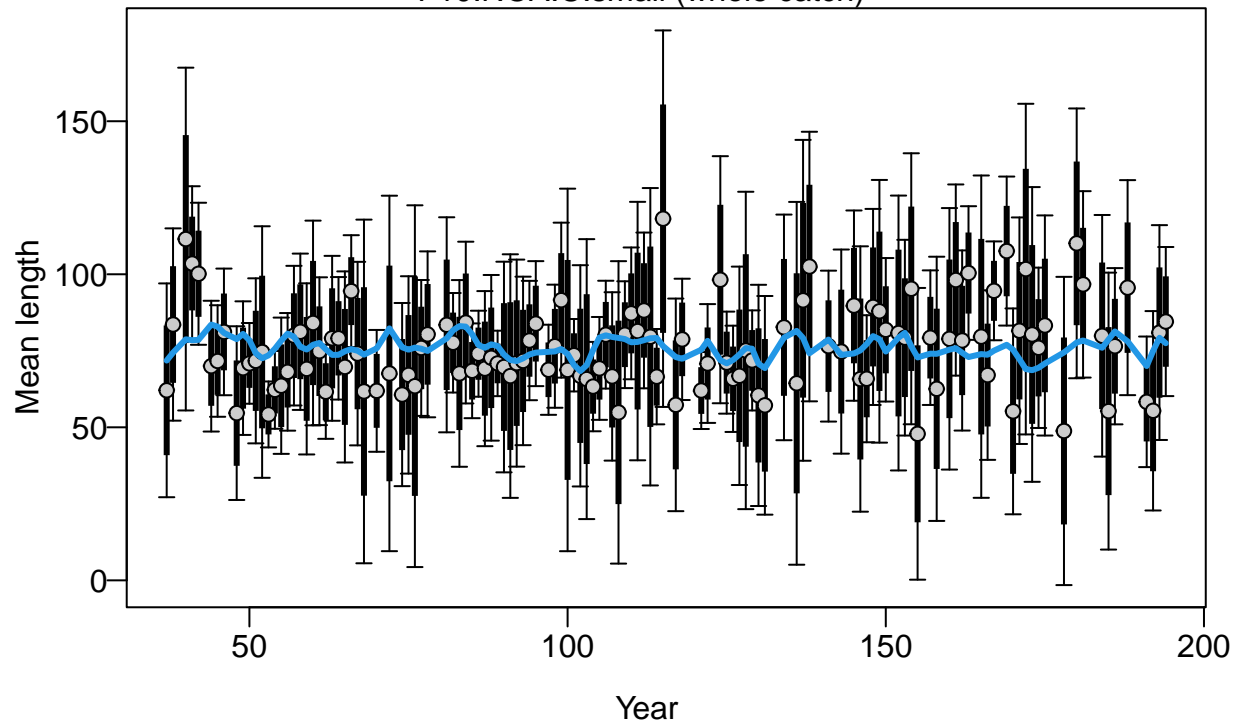
Length (cm)



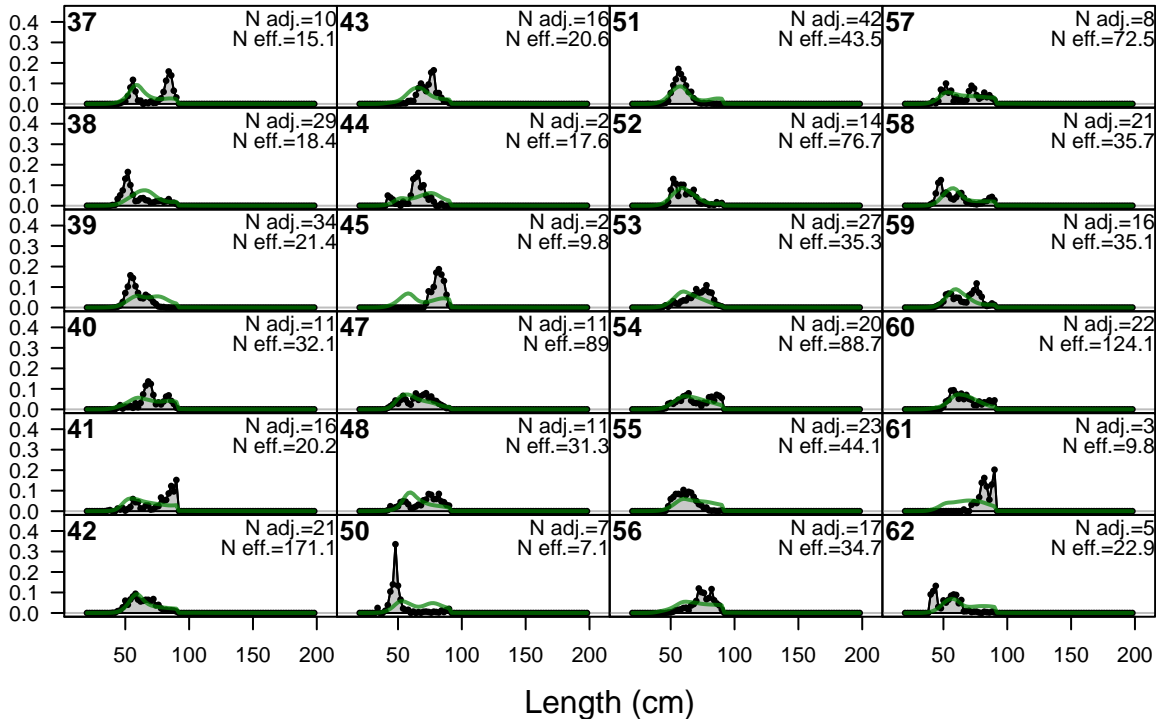
Effective sample size



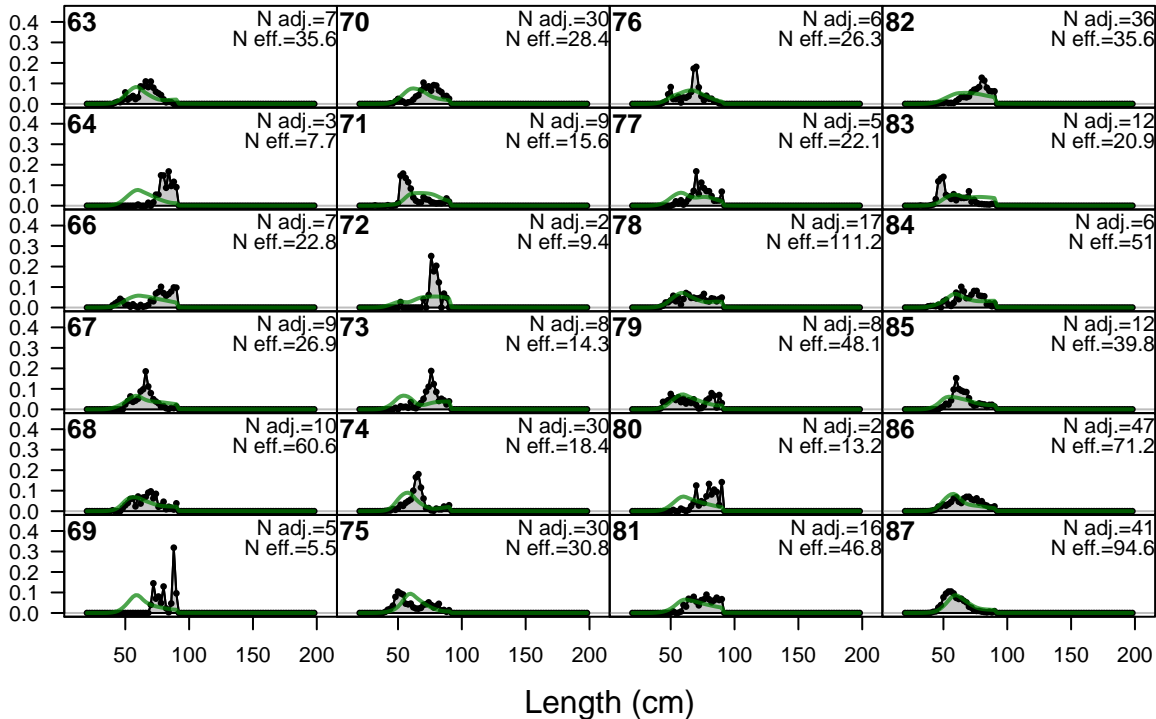
F10.NOA.C.small (whole catch)



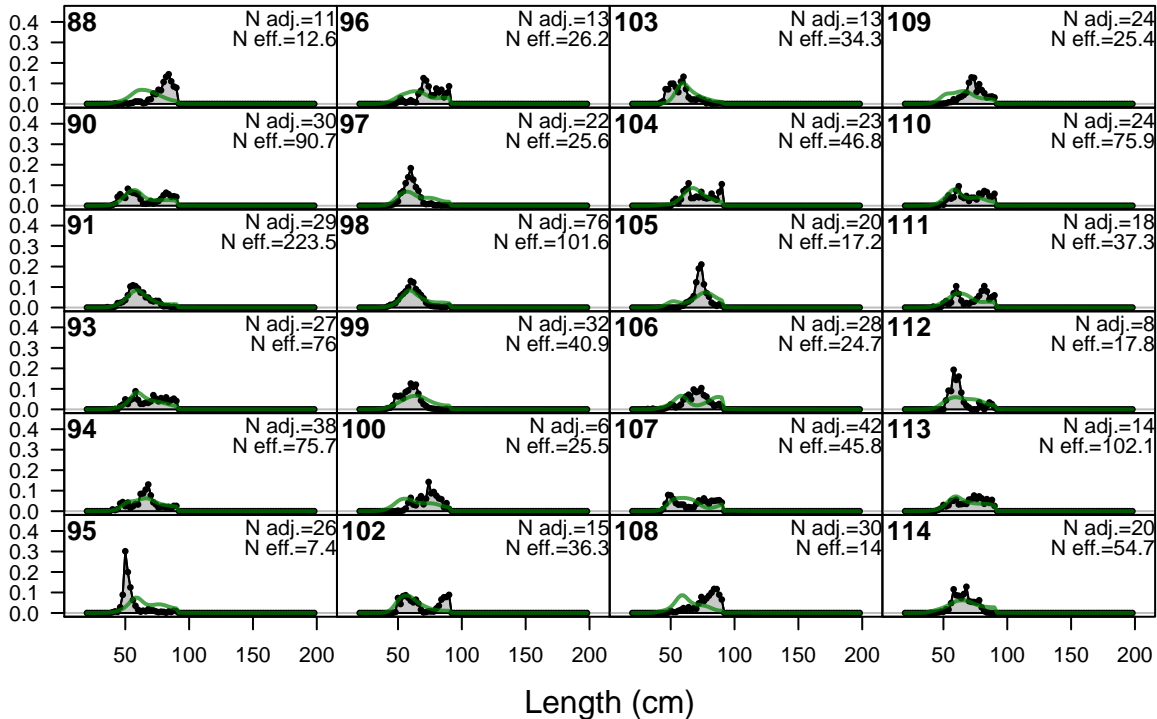
Proportion



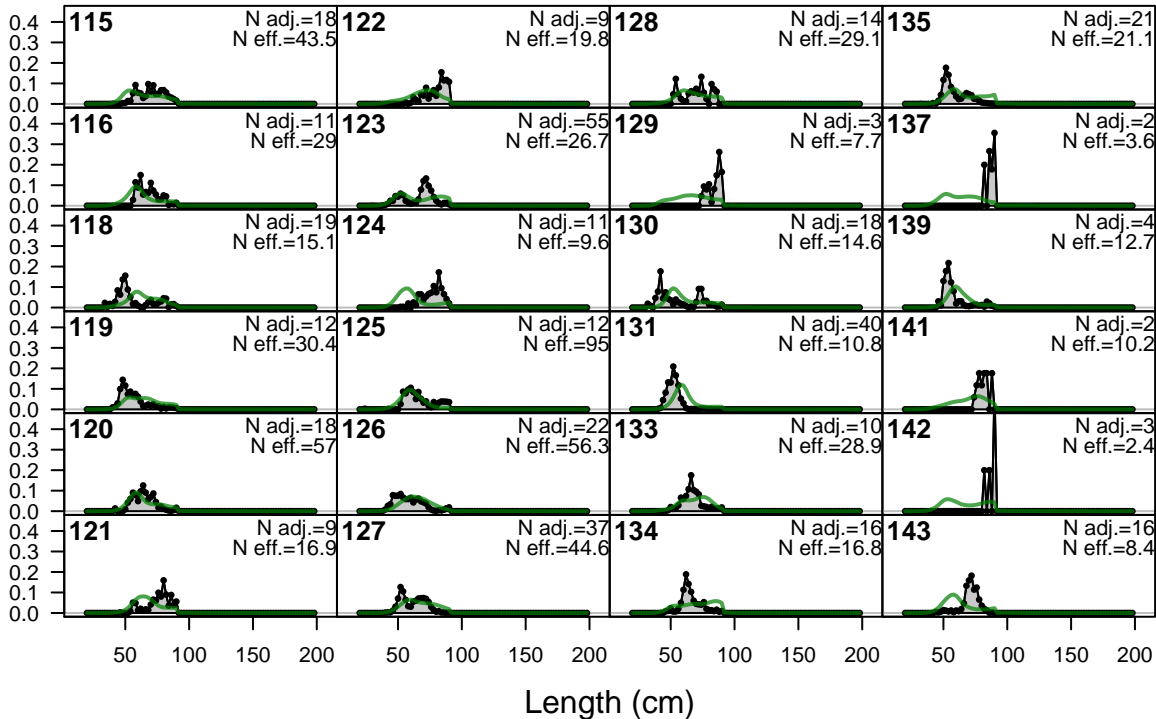
Proportion



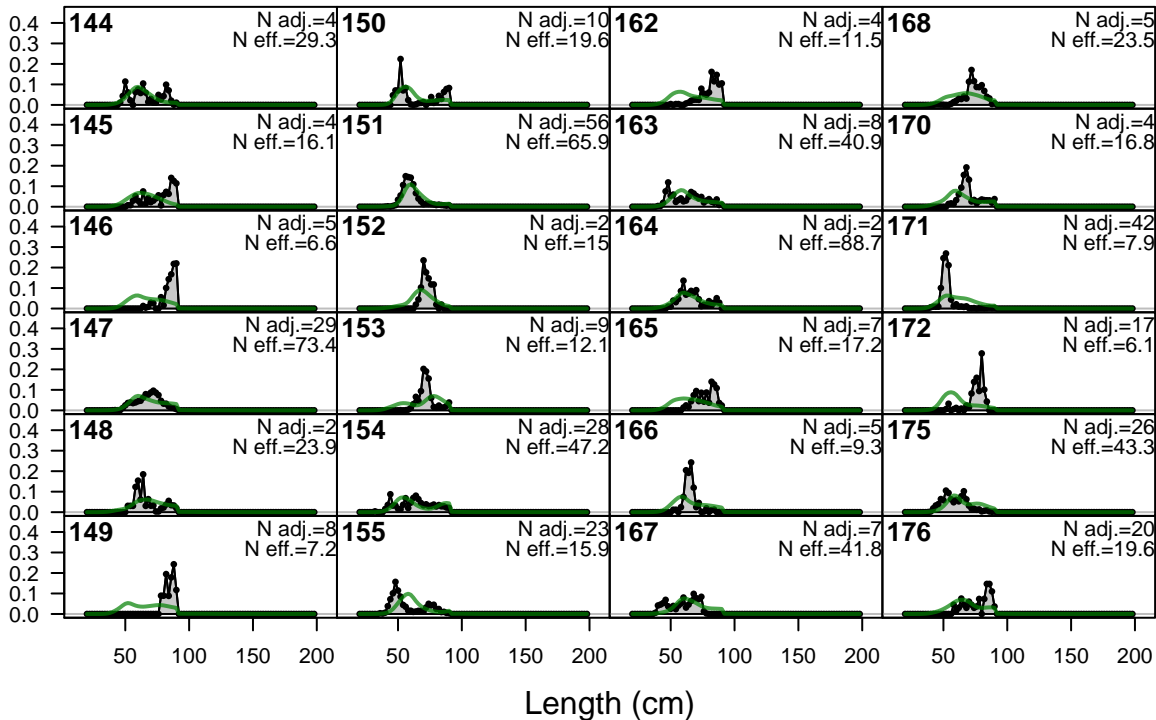
Proportion



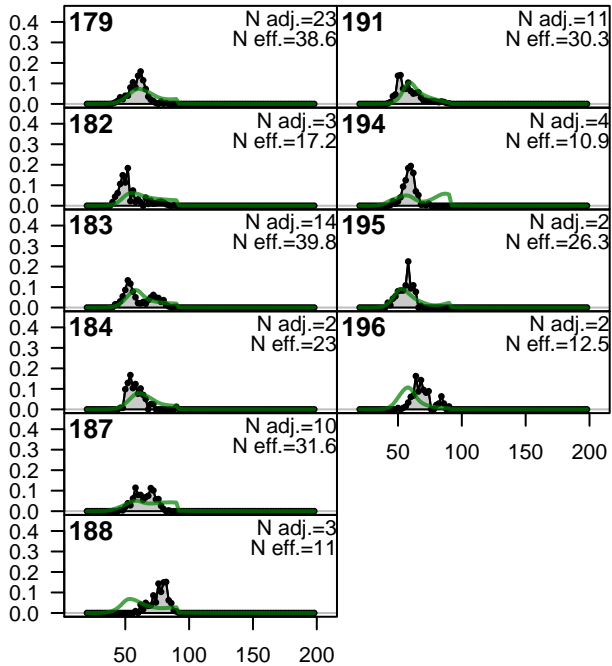
Proportion



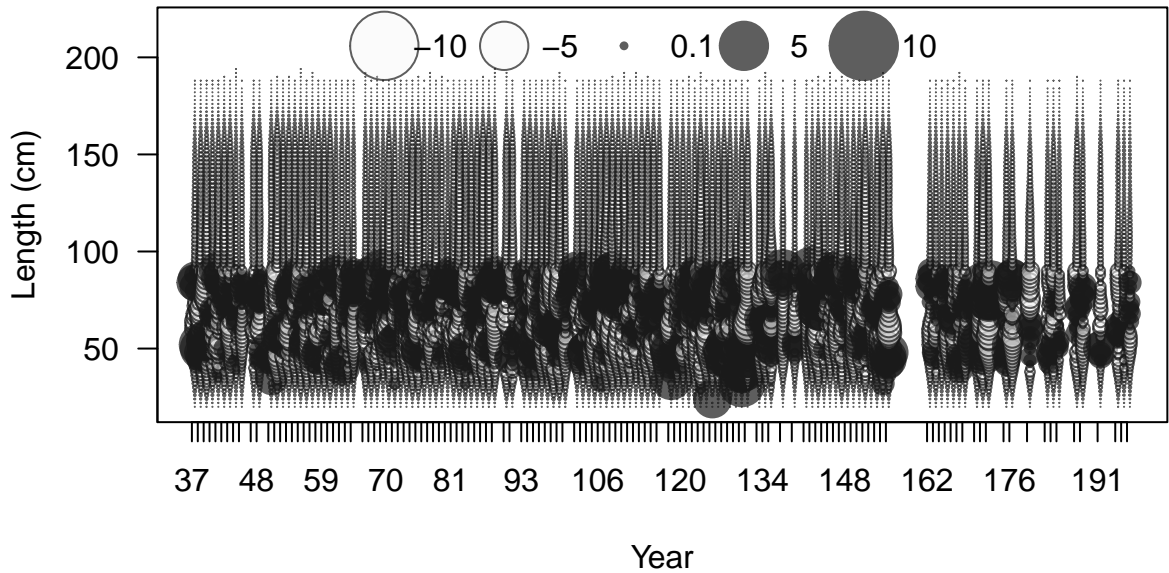
Proportion

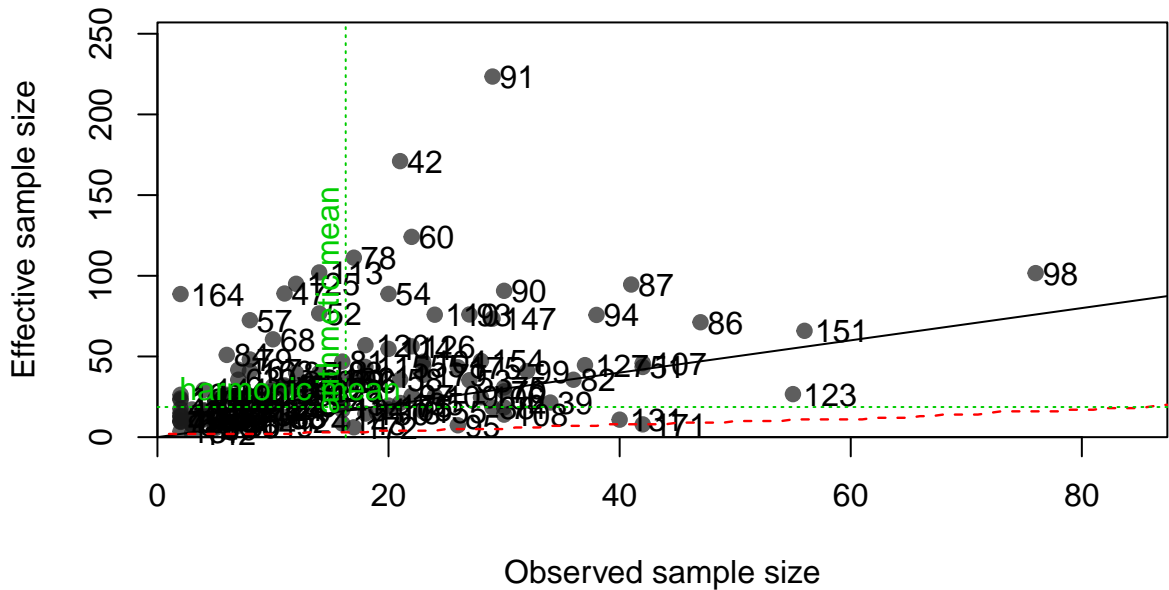


Proportion

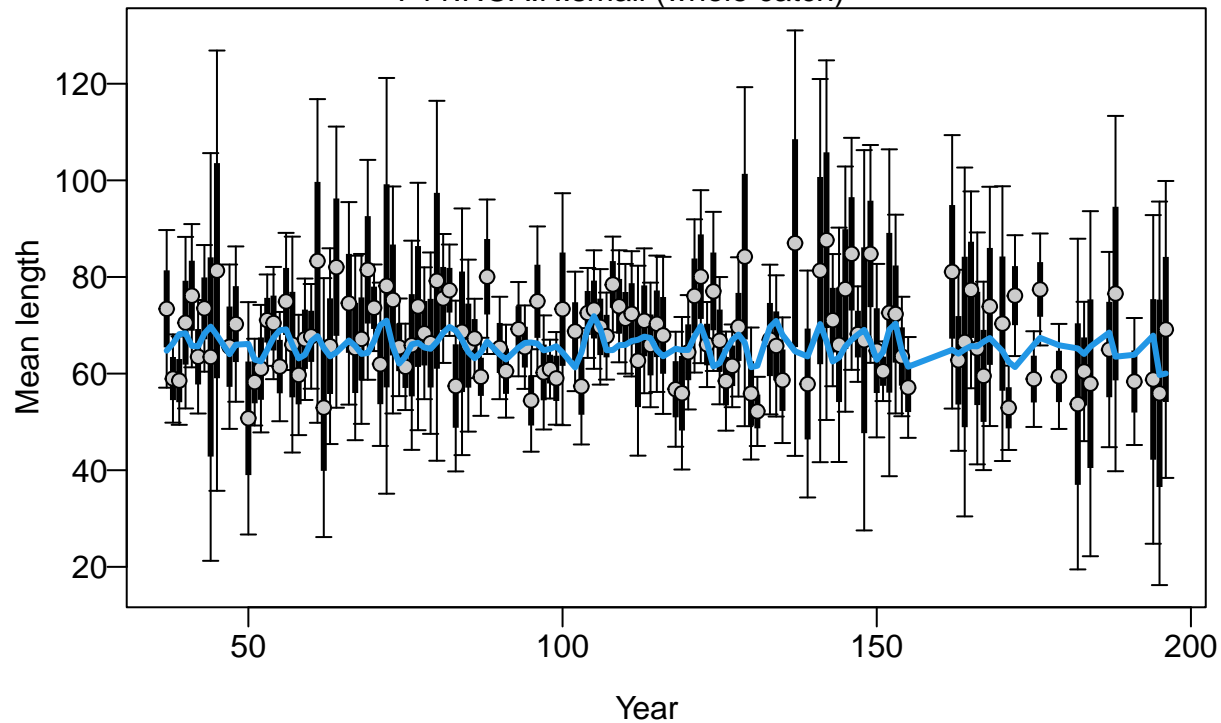


Length (cm)

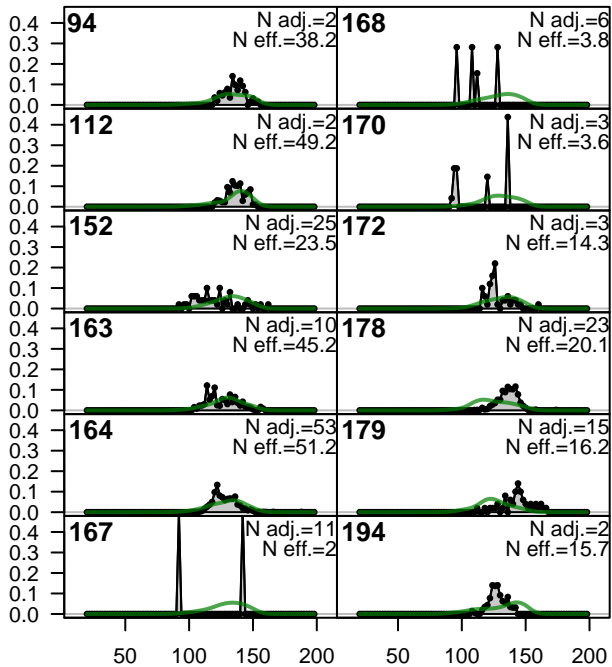




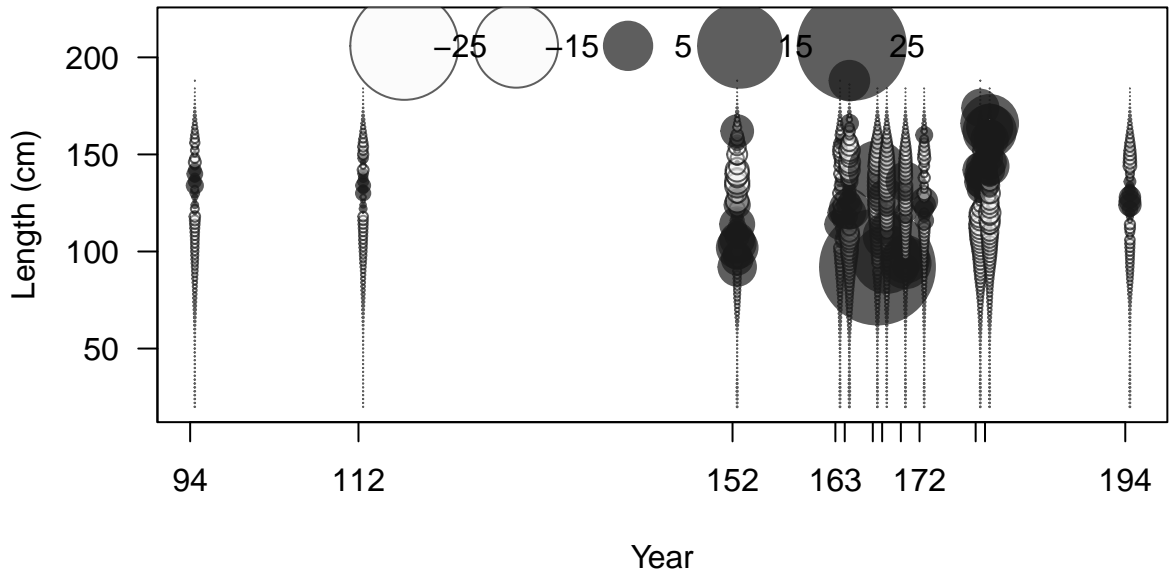
F11.NOA.N.small (whole catch)



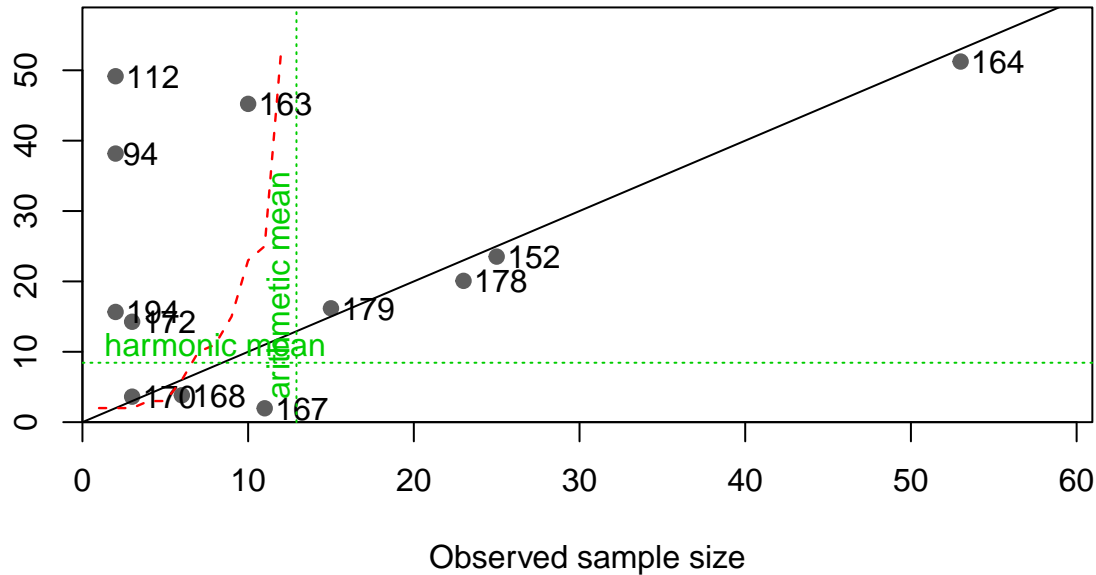
Proportion



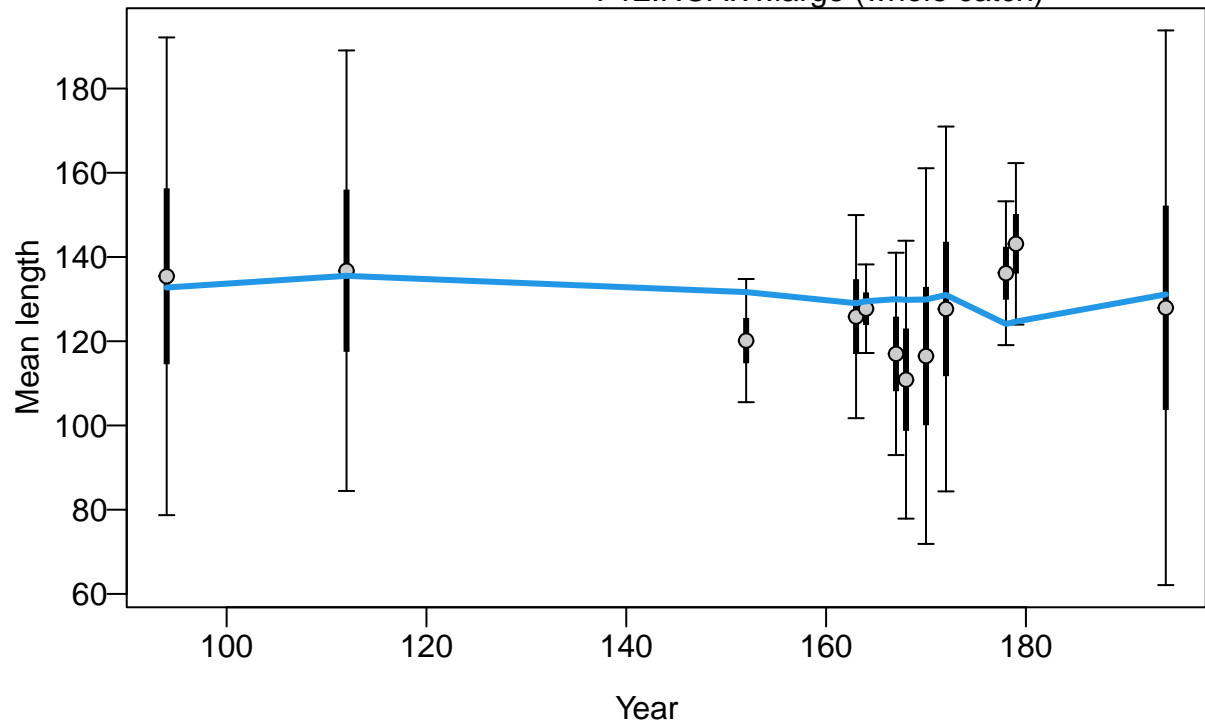
Length (cm)



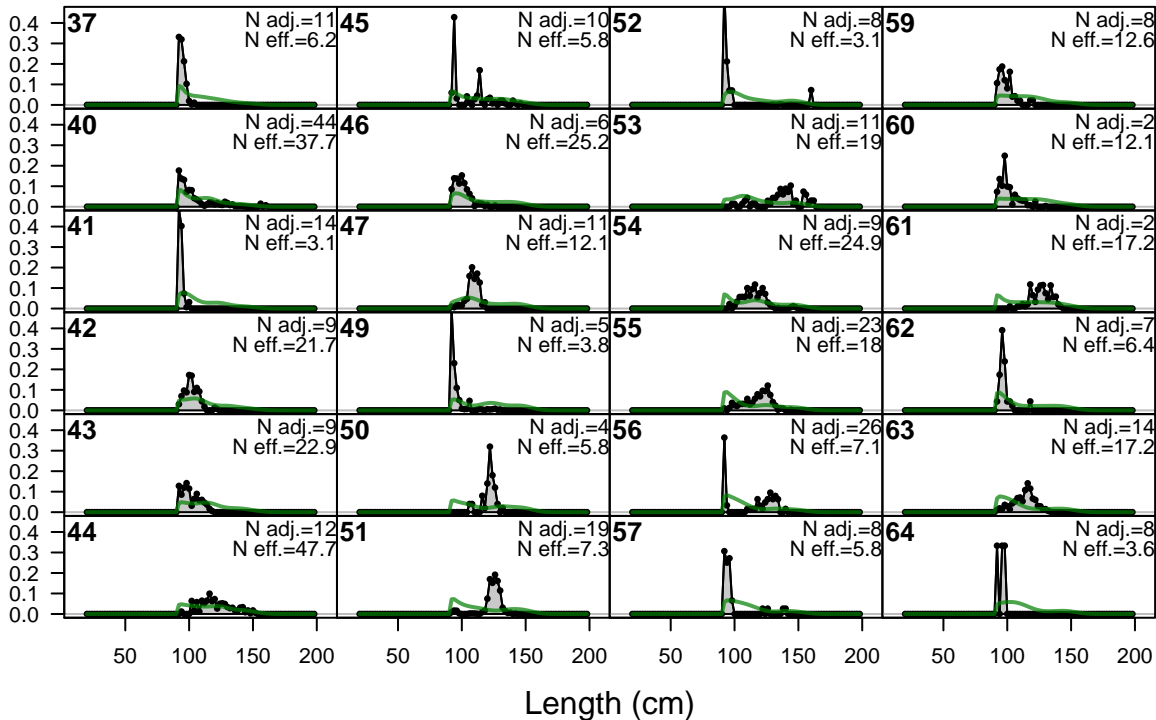
Effective sample size



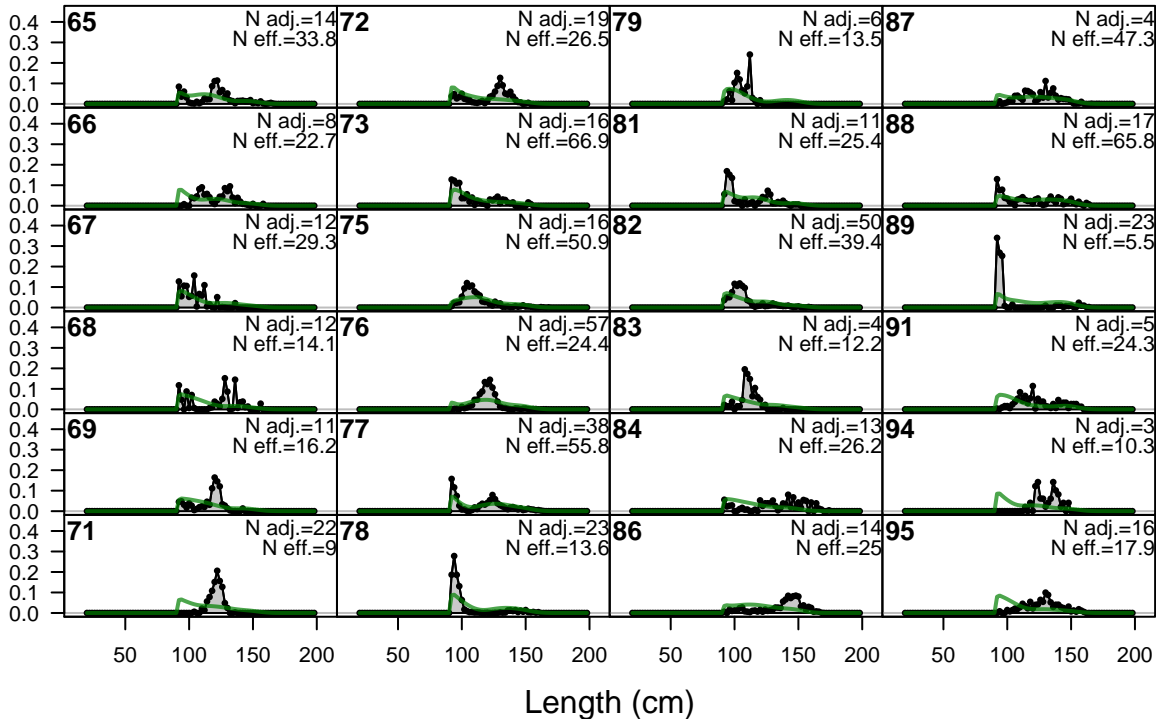
F12.NOA.W.large (whole catch)



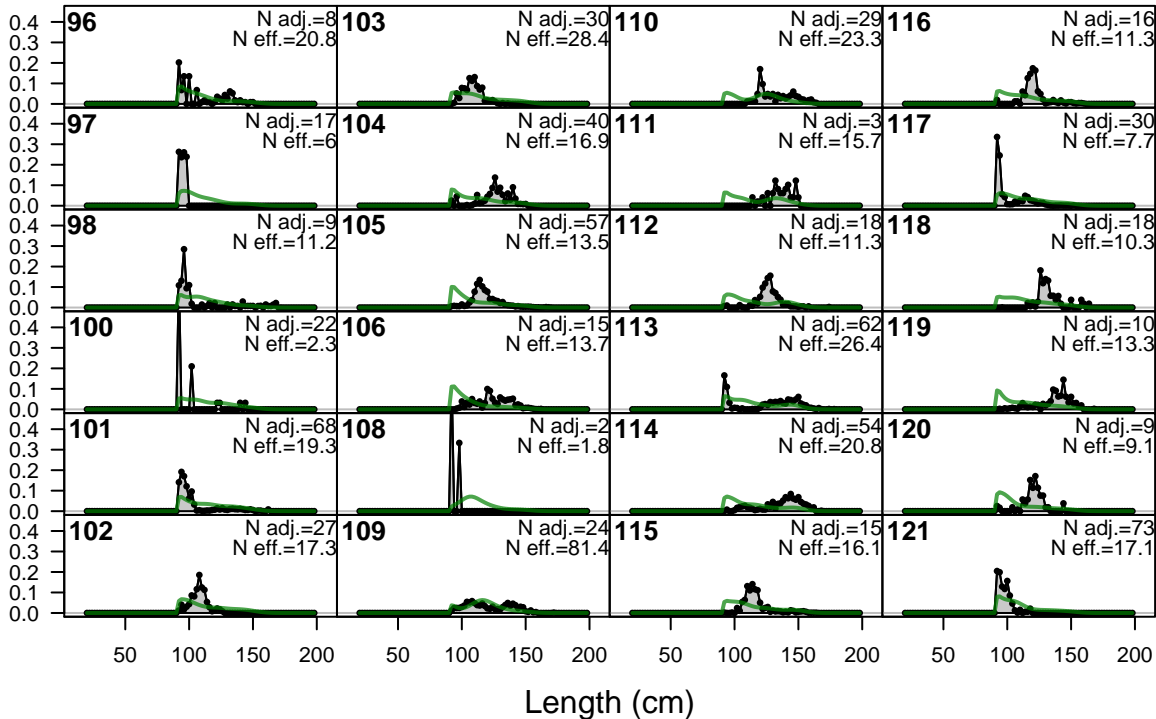
Proportion



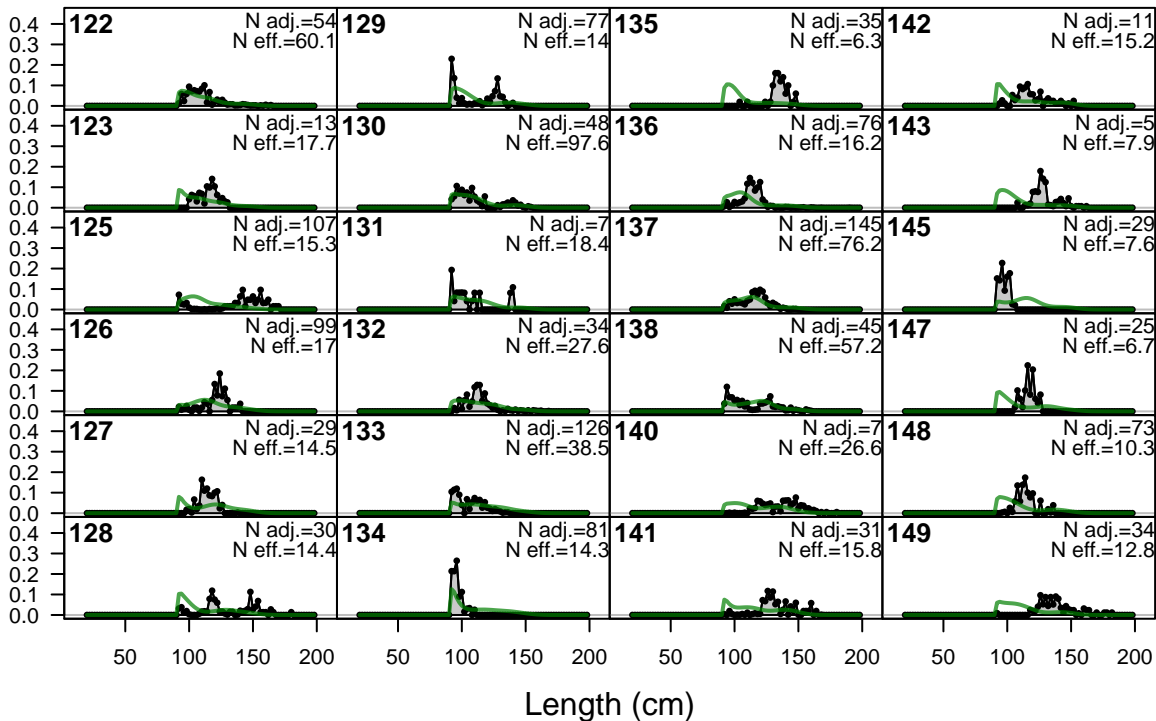
Proportion



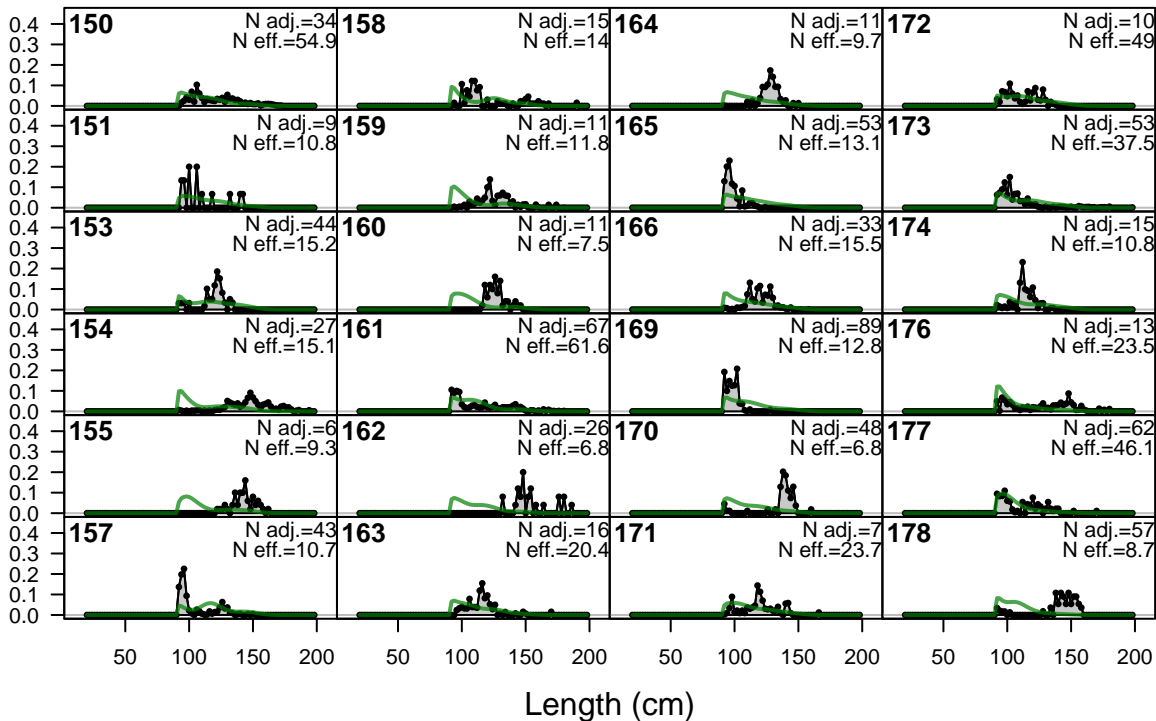
Proportion



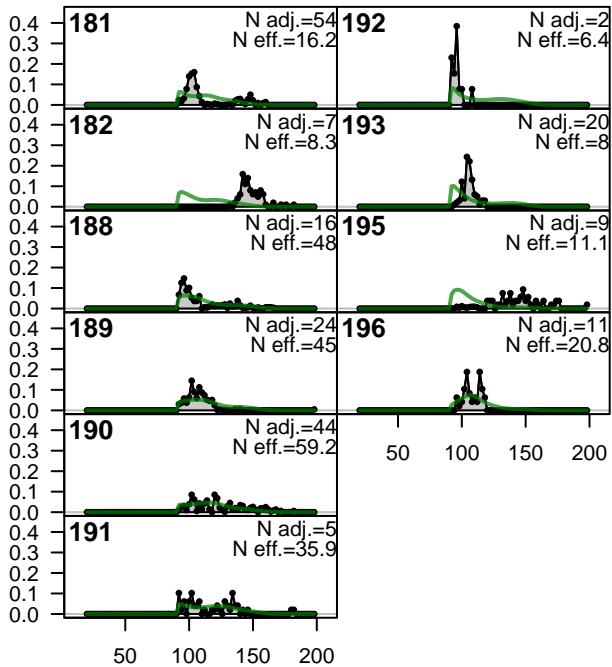
Proportion



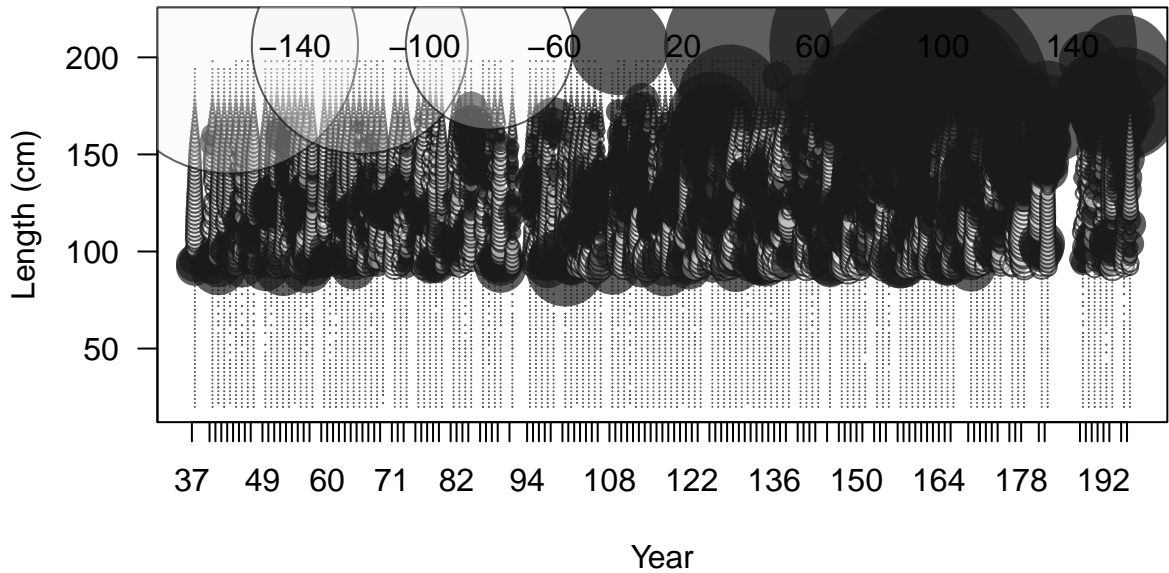
Proportion



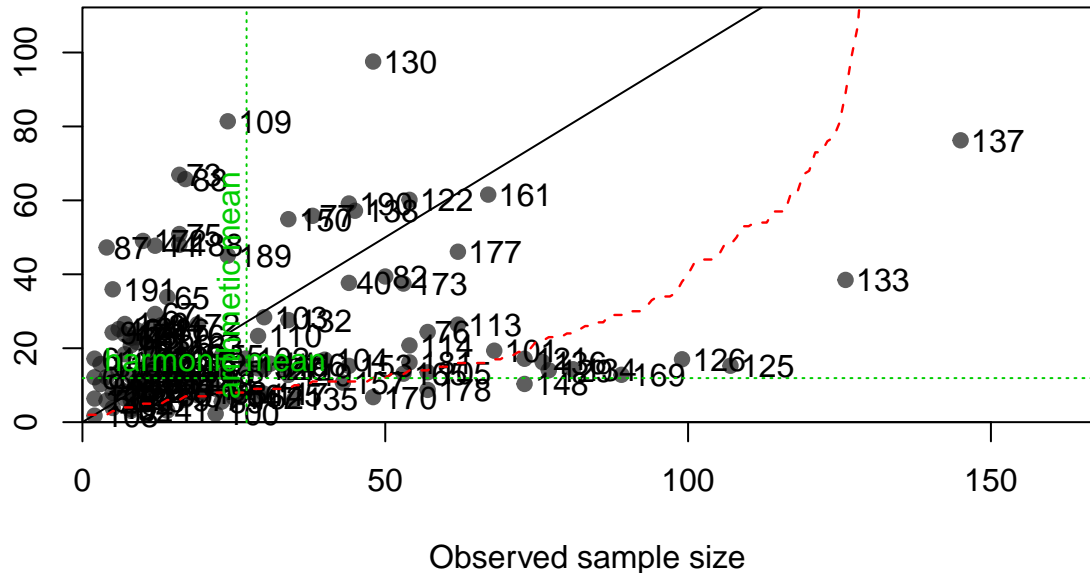
Proportion



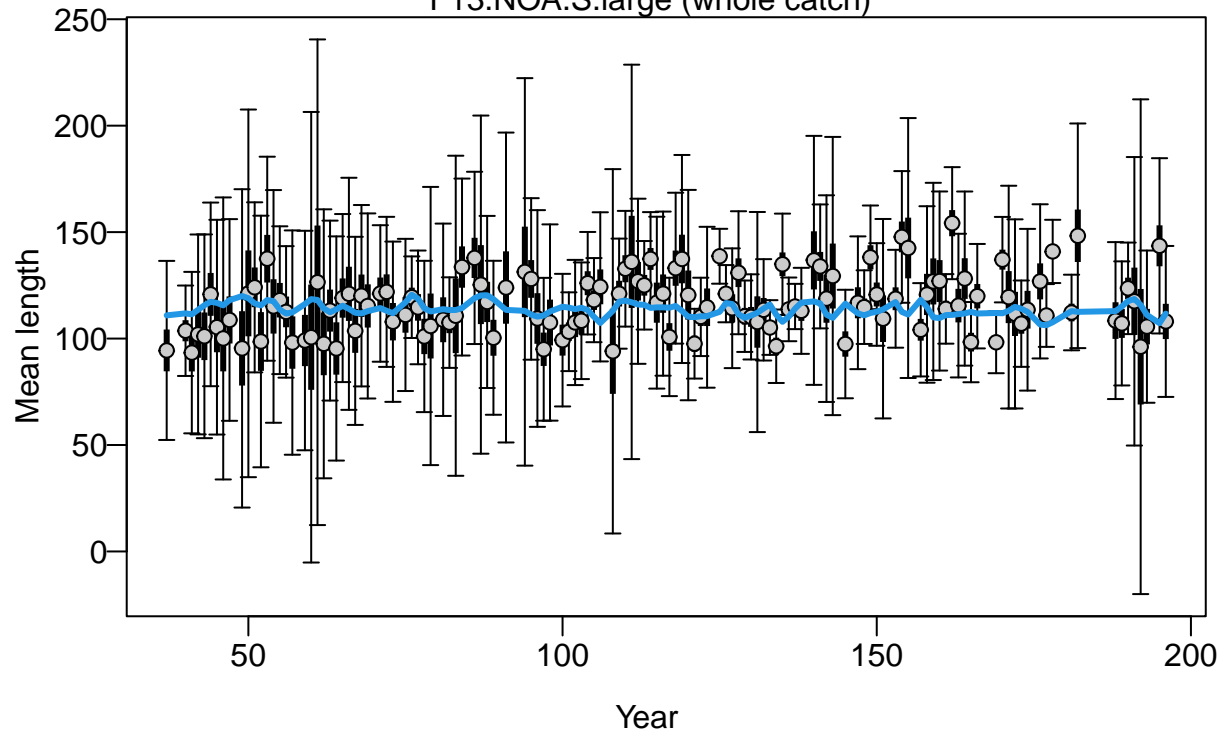
Length (cm)



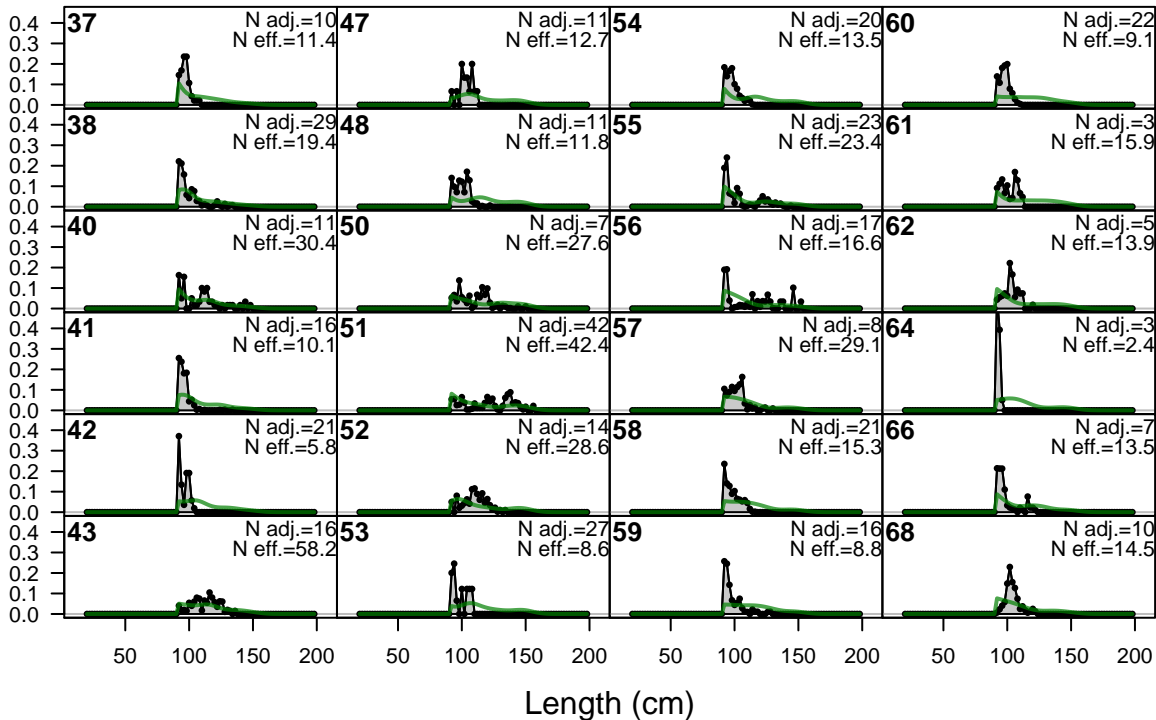
Effective sample size



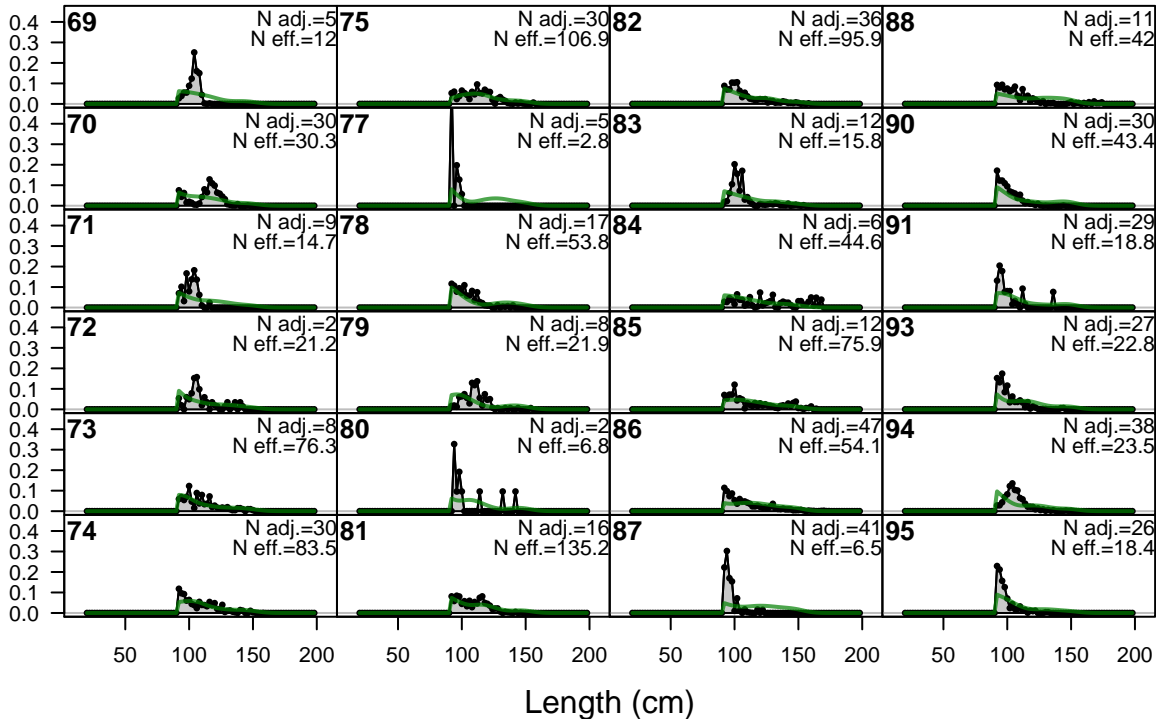
F13.NOA.S.large (whole catch)



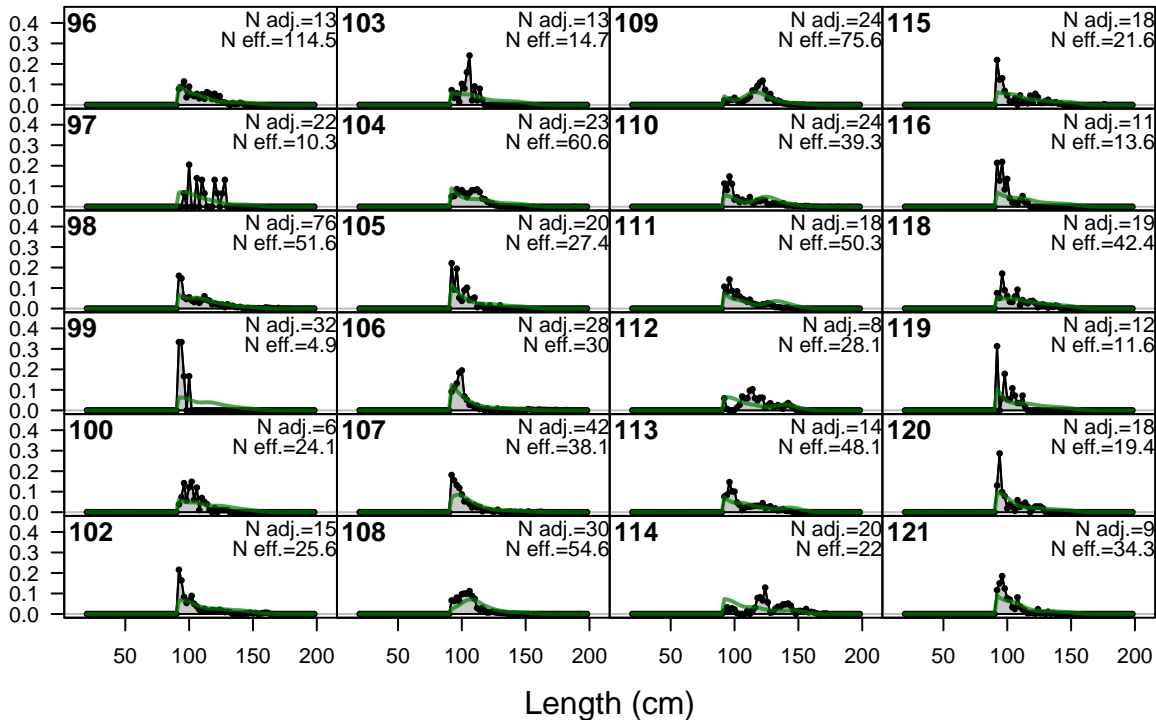
Proportion



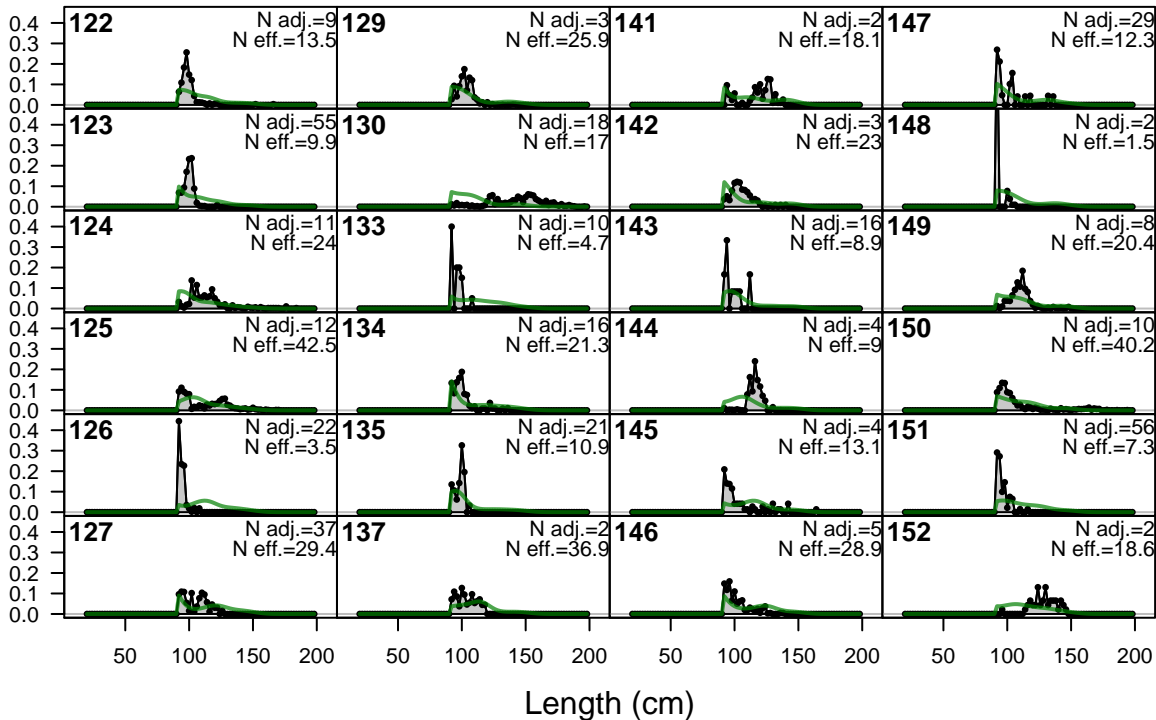
Proportion



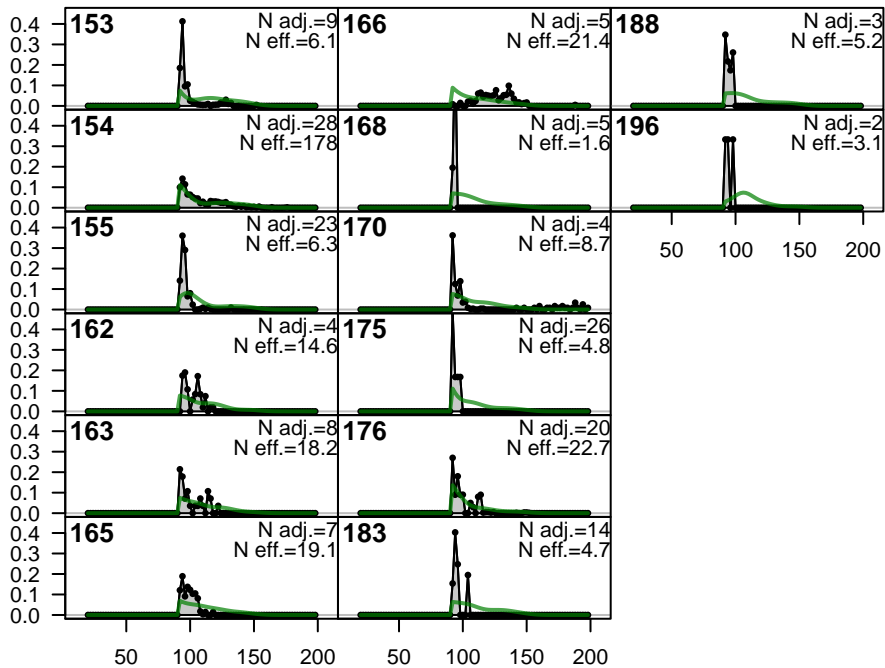
Proportion



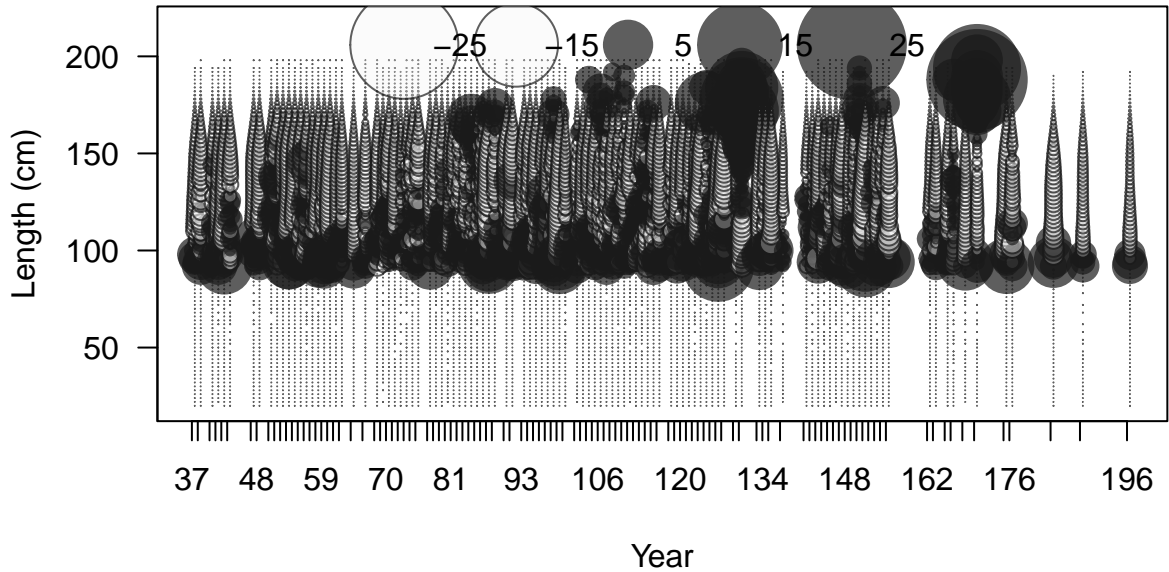
Proportion

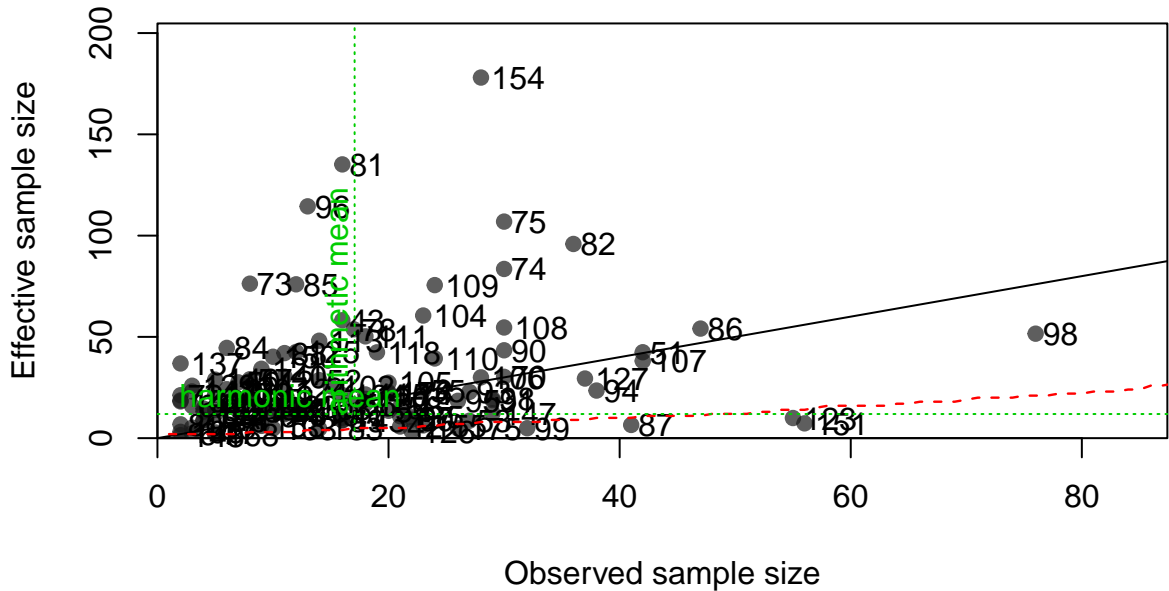


Proportion

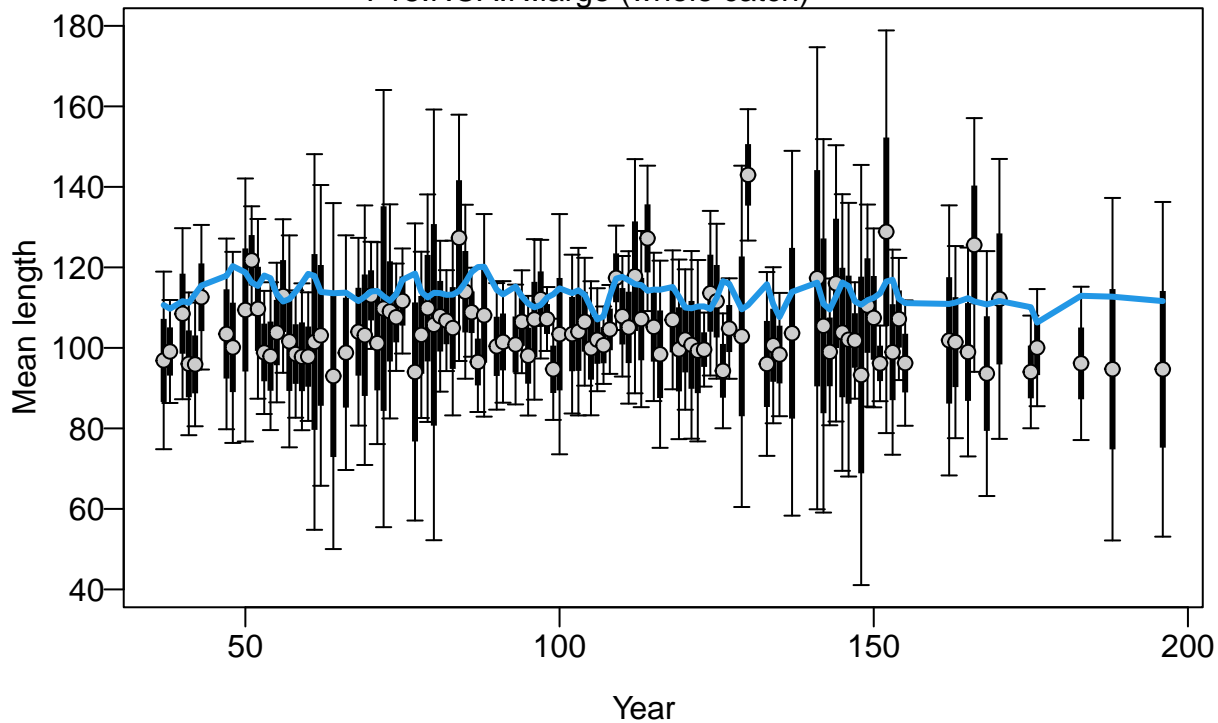


Length (cm)

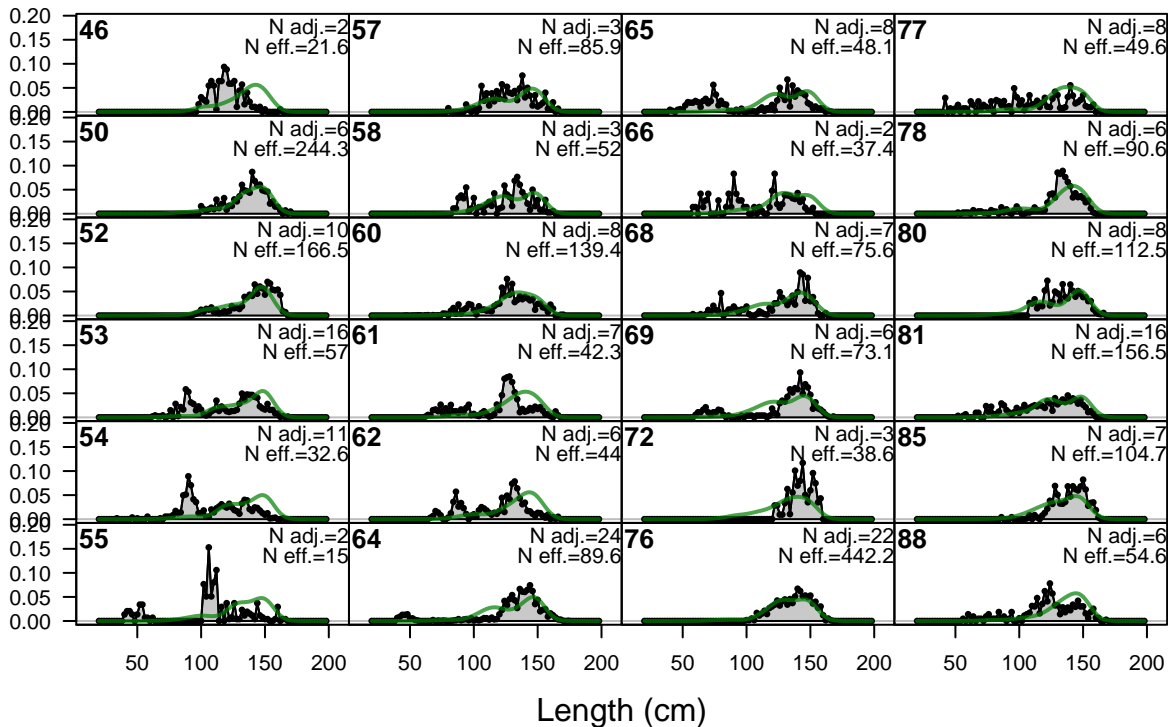




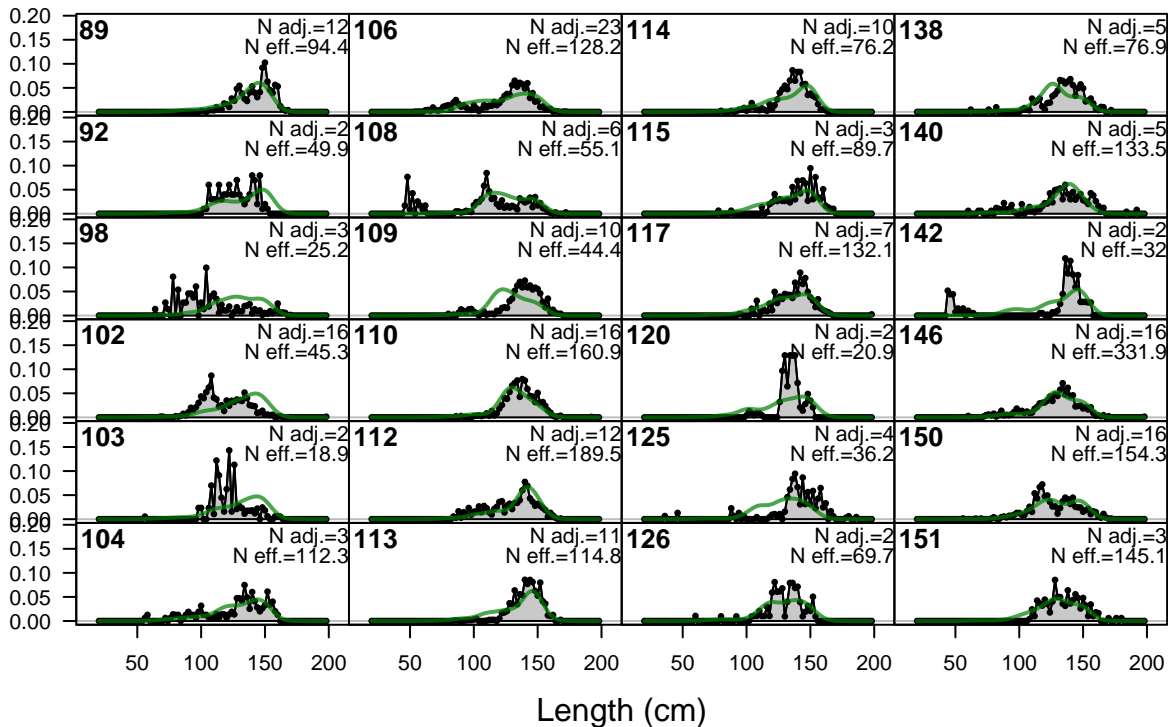
F15.NOA.N.large (whole catch)



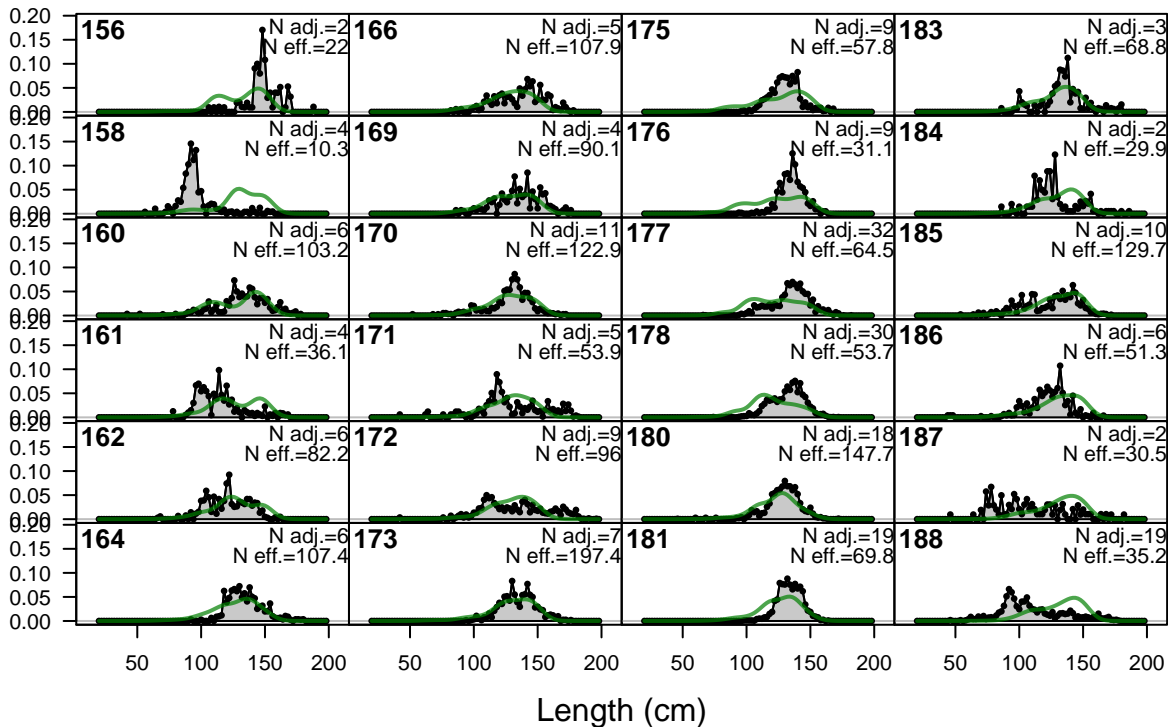
Proportion



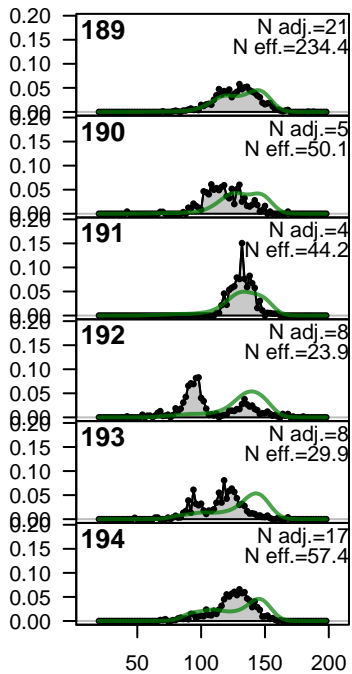
Proportion



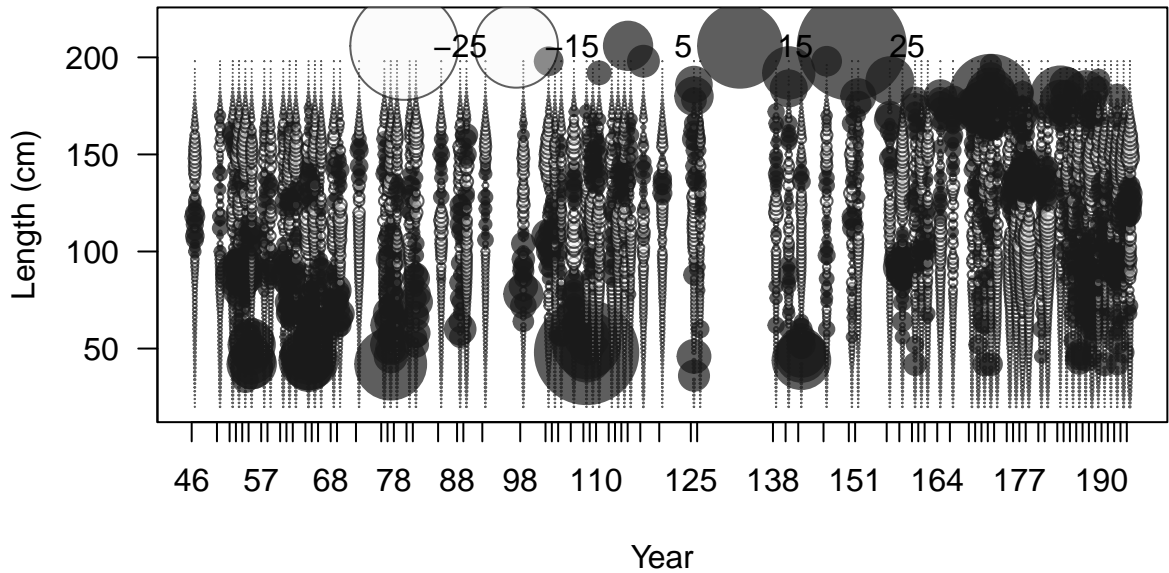
Proportion

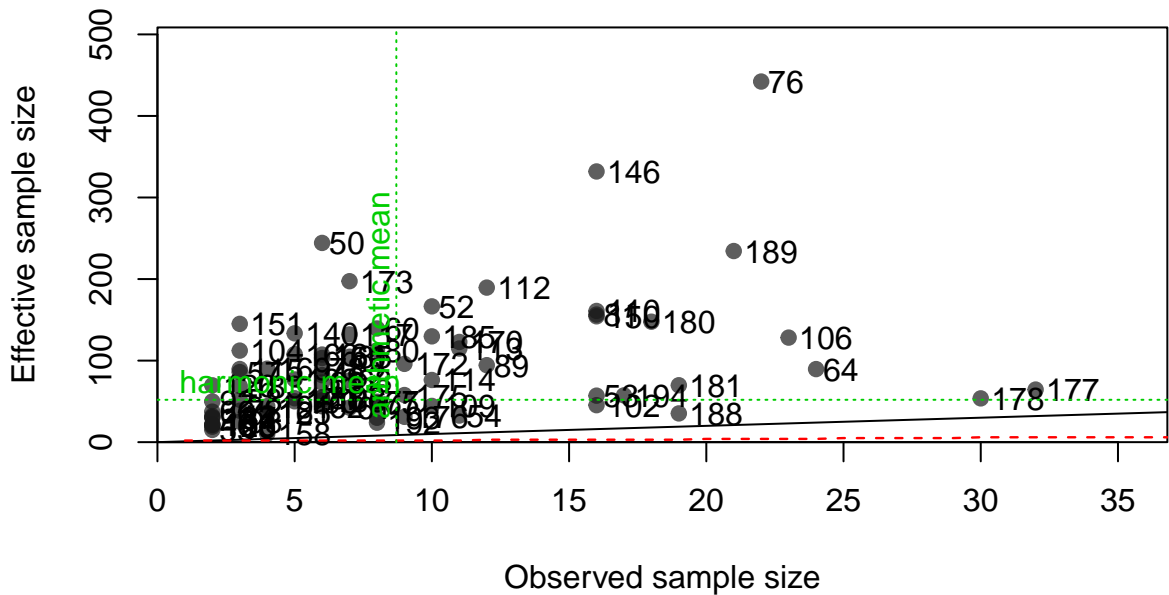


Proportion

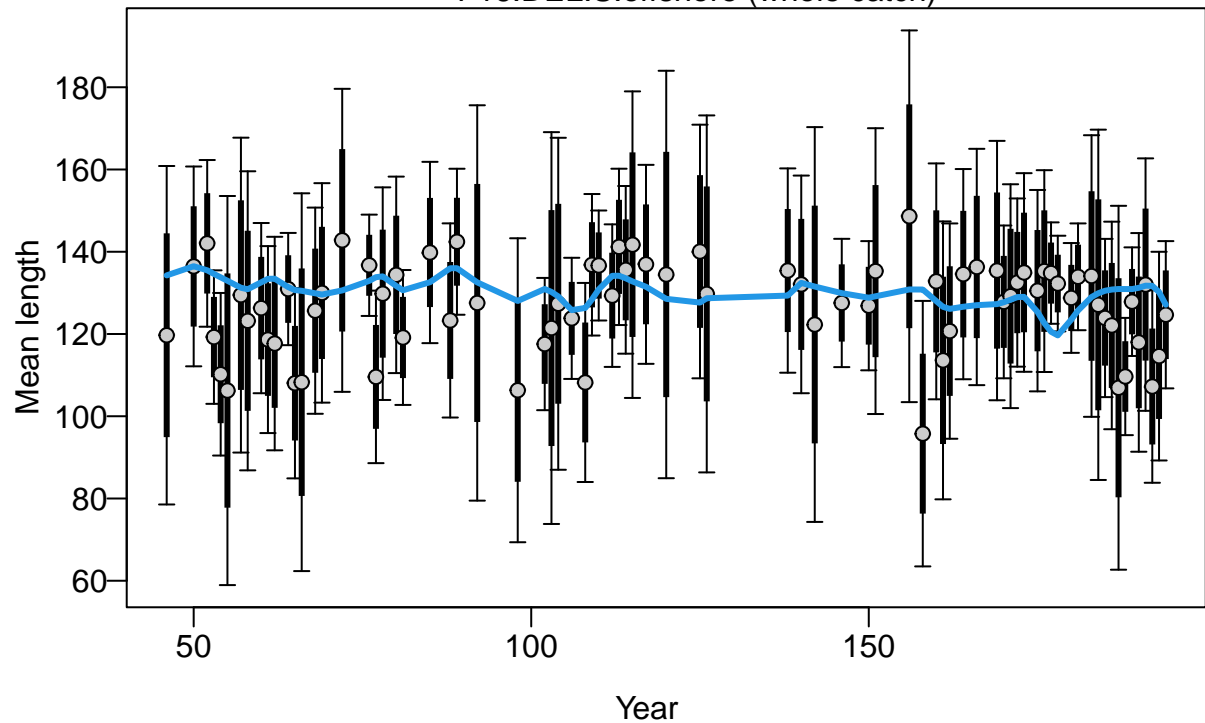


Length (cm)

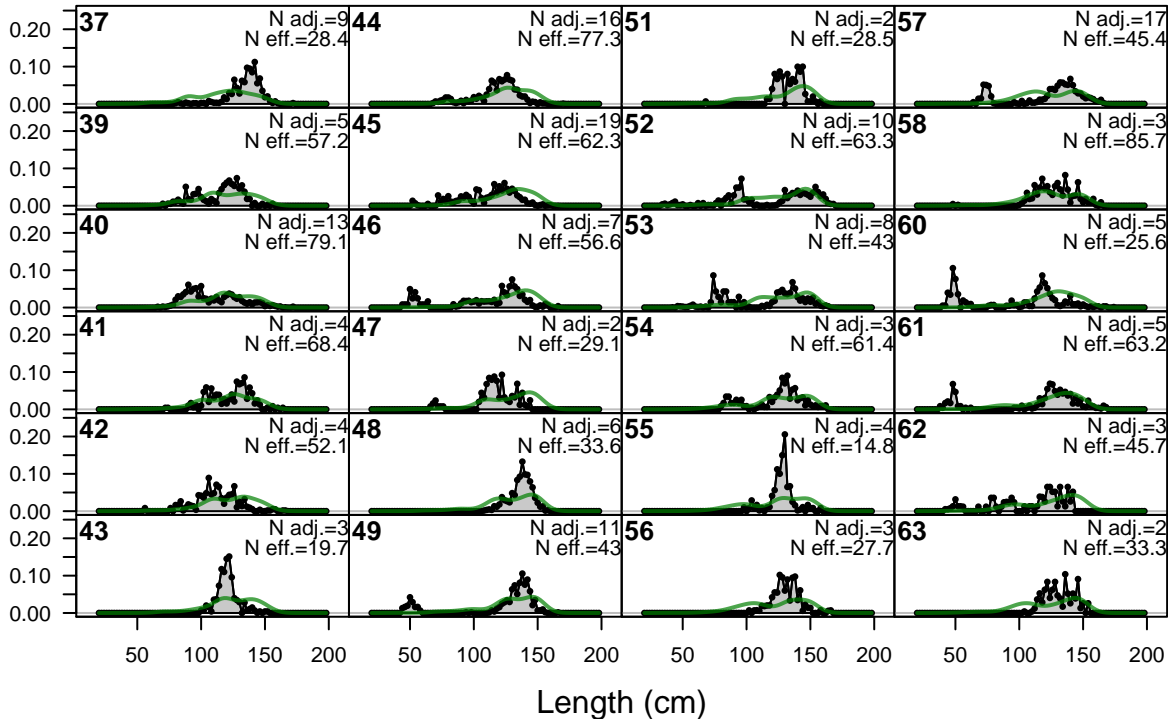




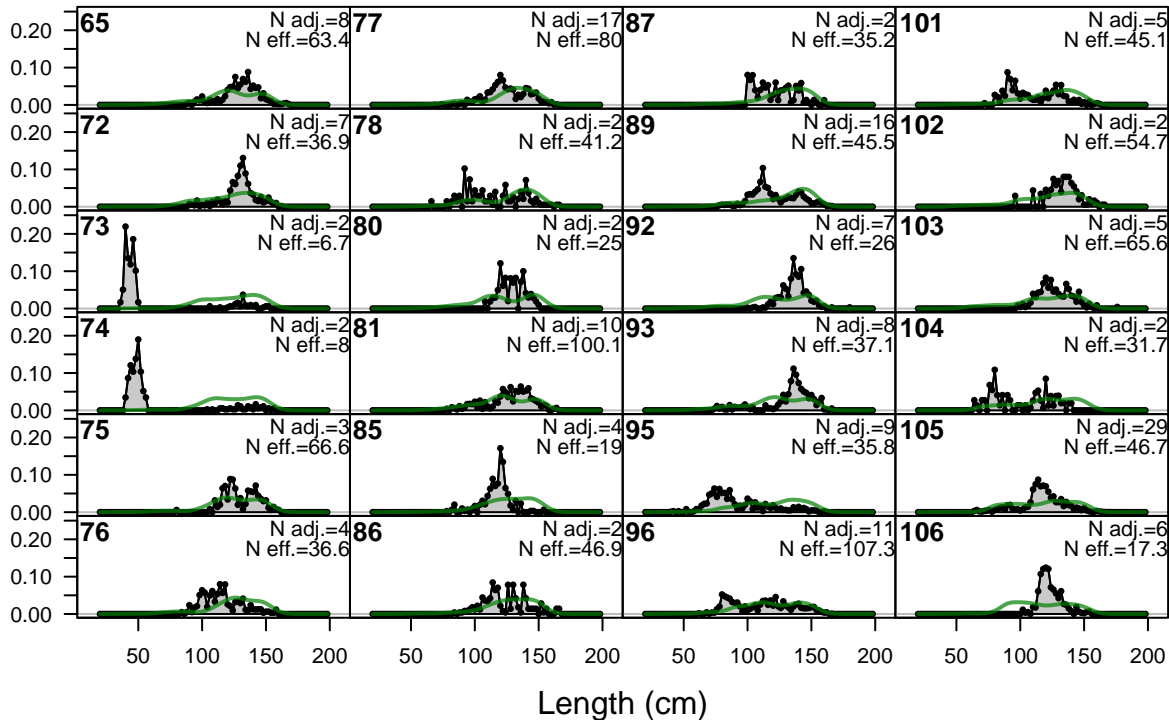
F16.DEL.S.offshore (whole catch)



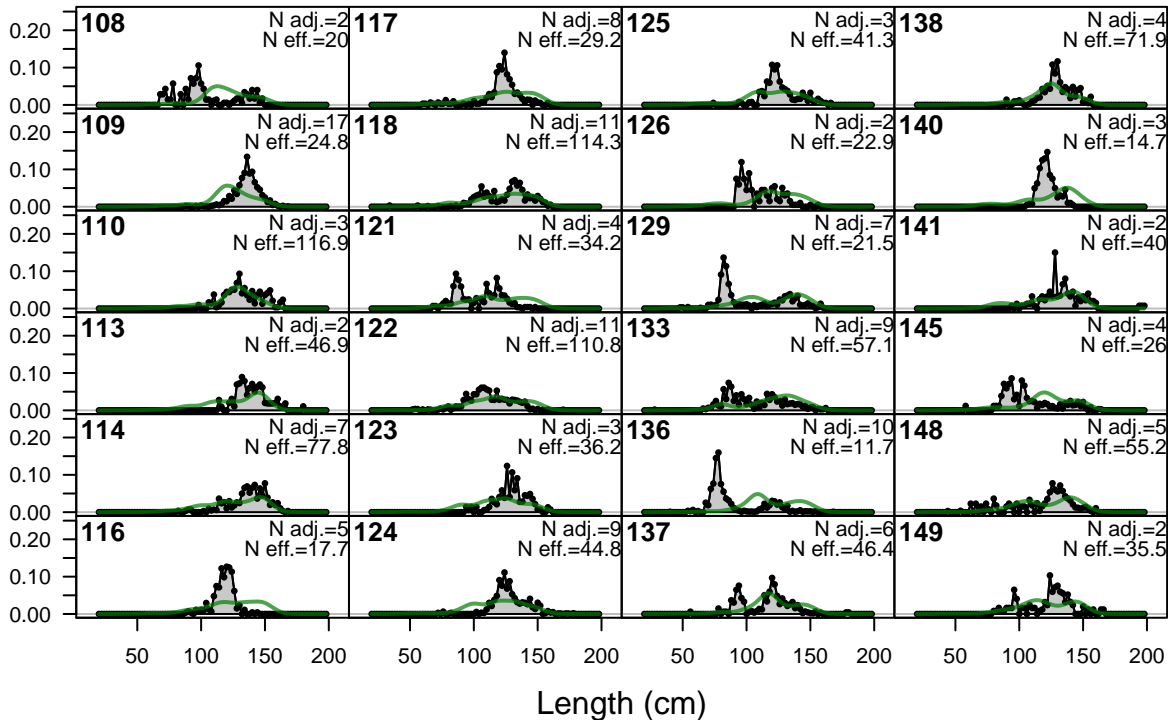
Proportion



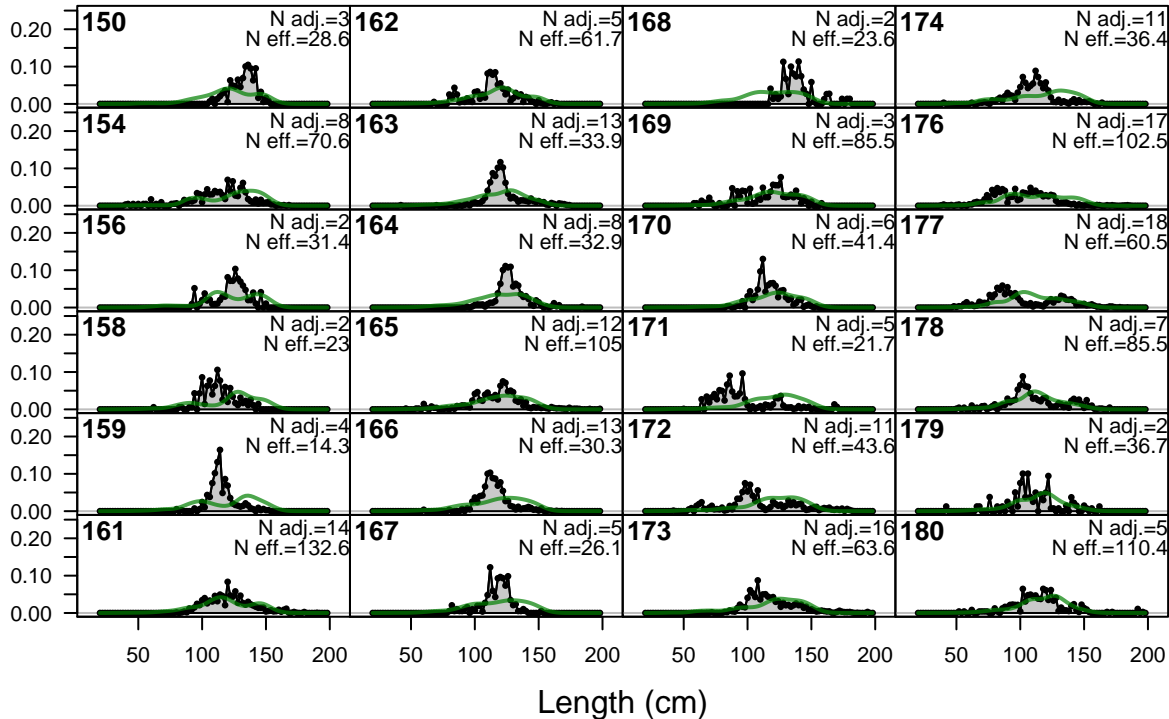
Proportion



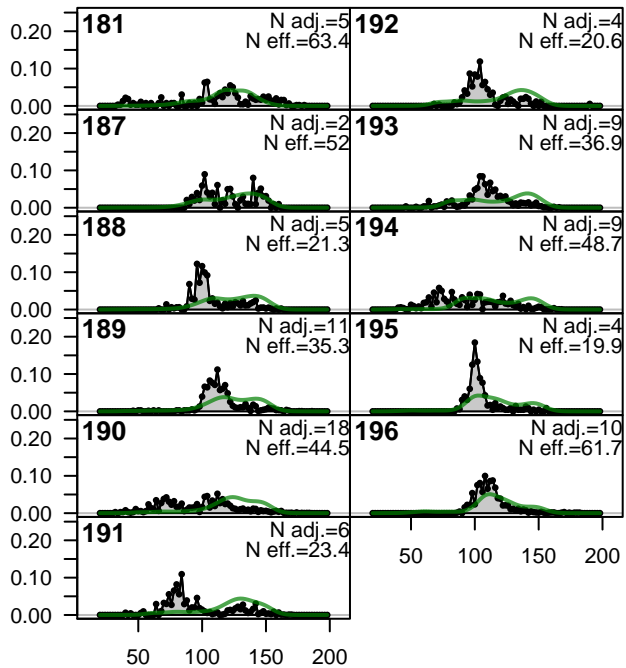
Proportion



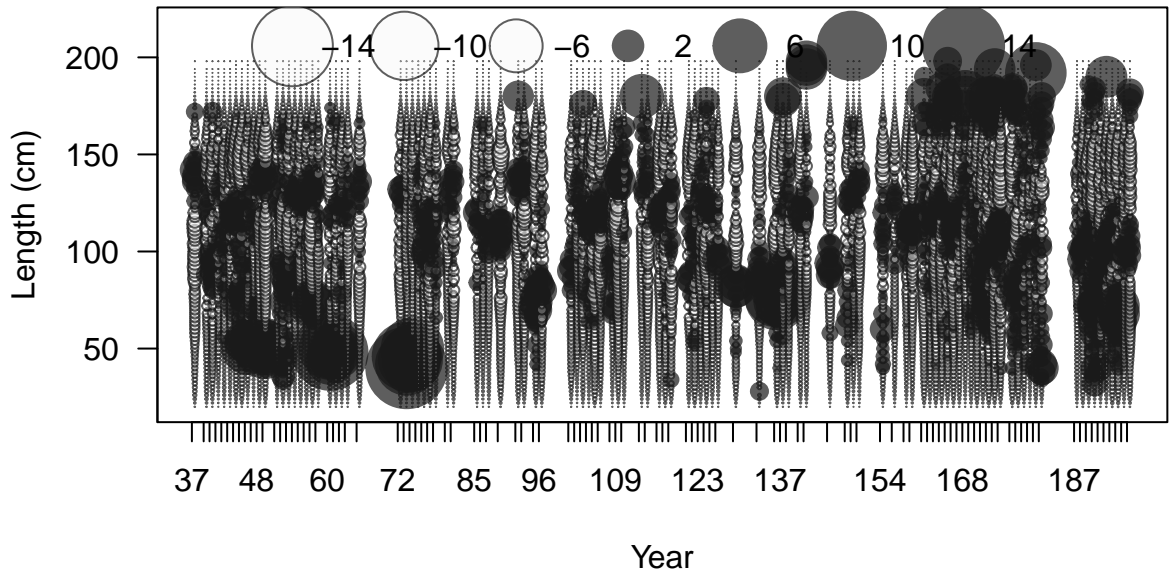
Proportion



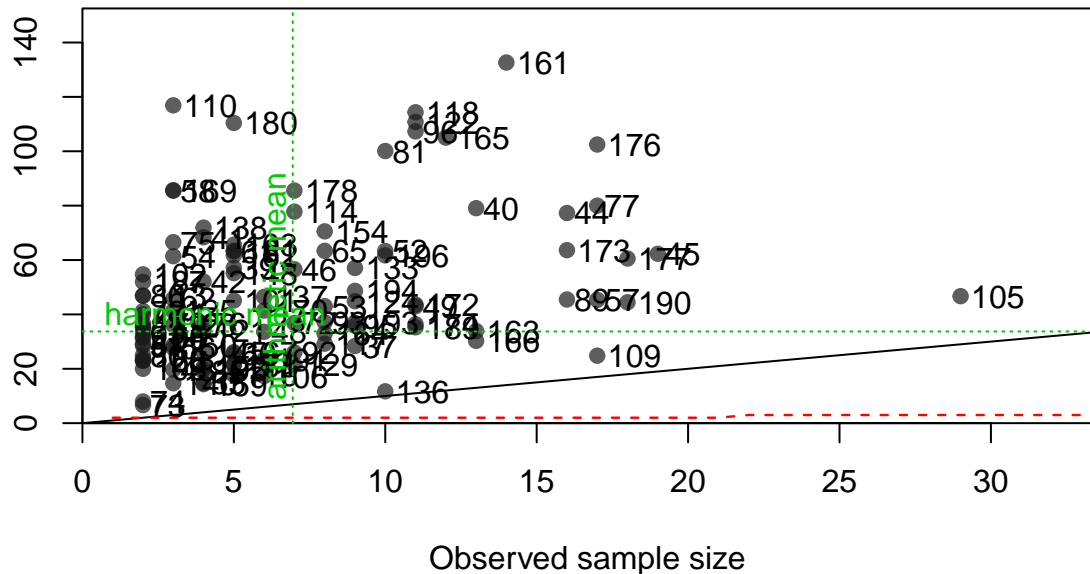
Proportion



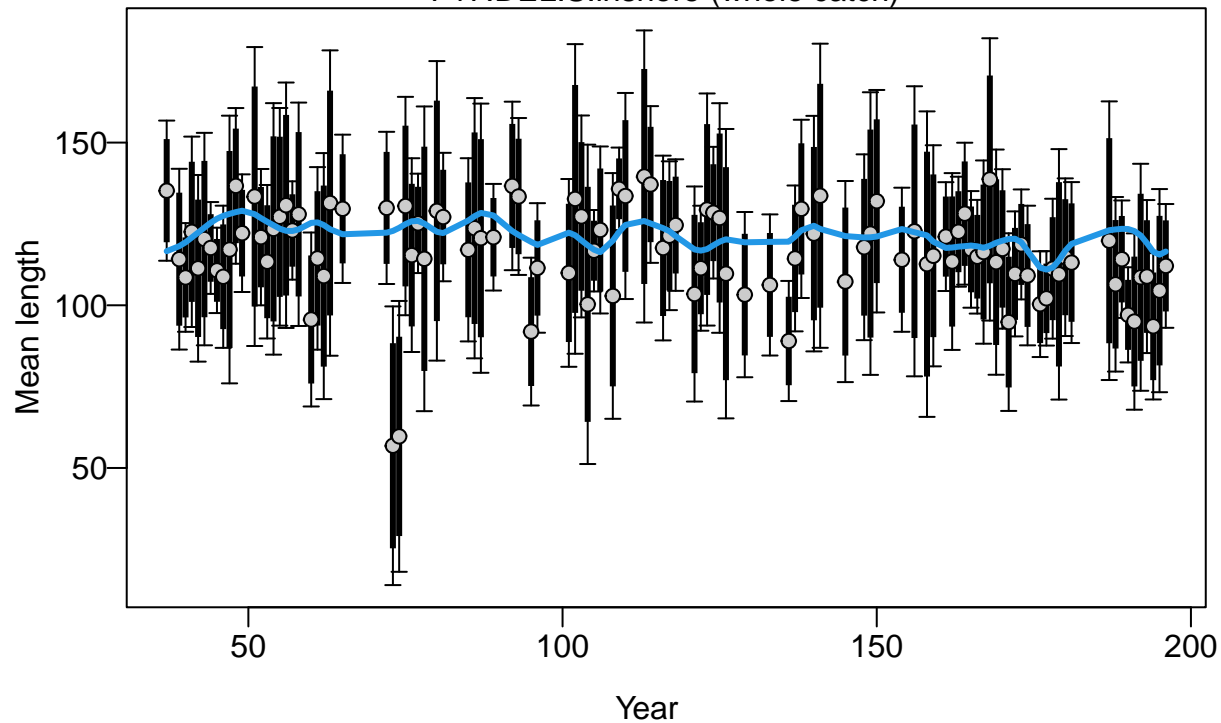
Length (cm)



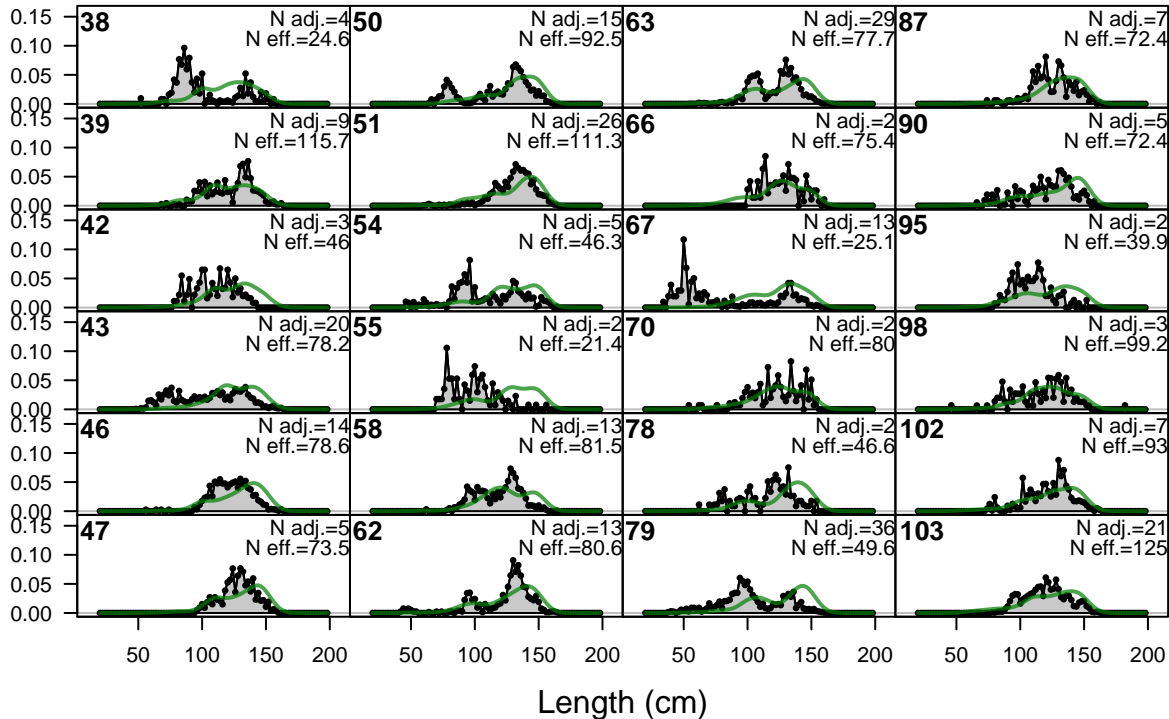
Effective sample size



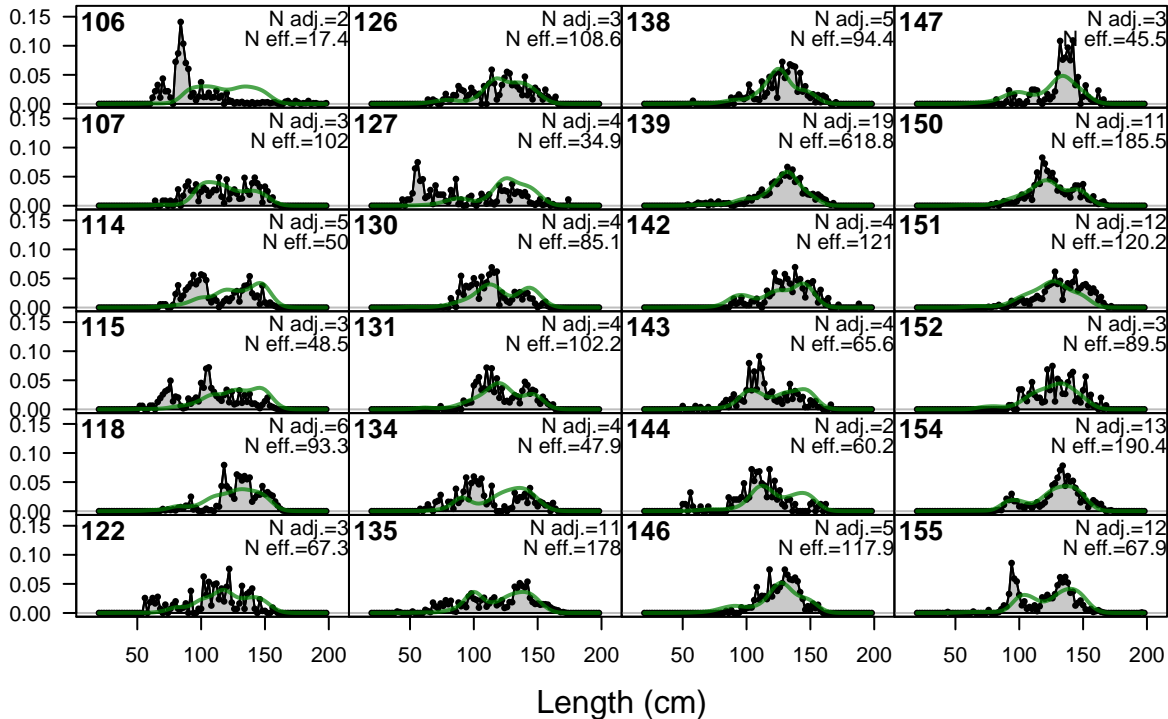
F17.DEL.S.inshore (whole catch)



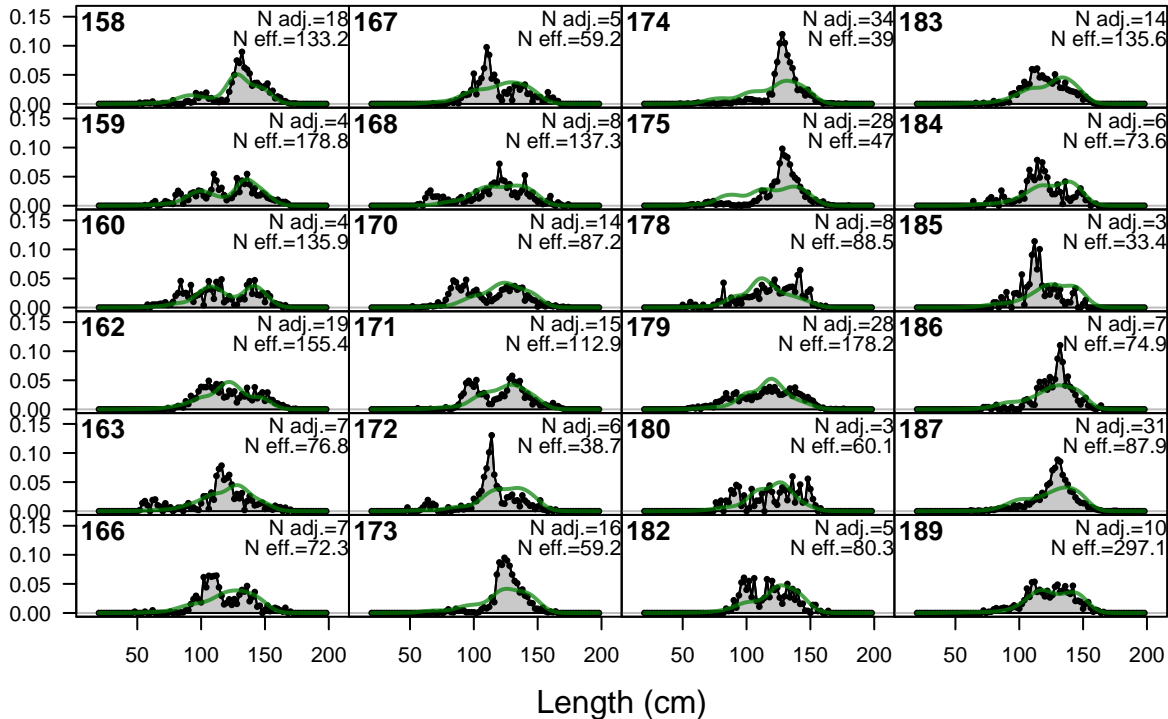
Proportion



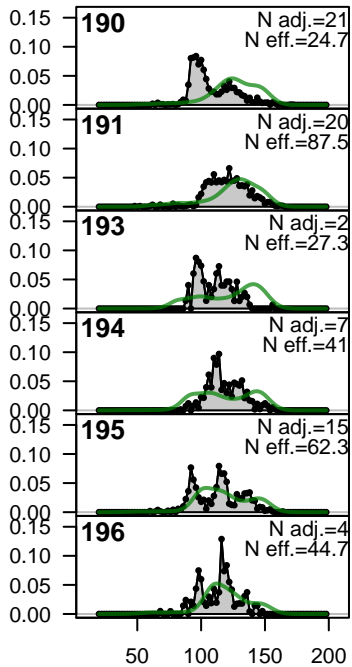
Proportion



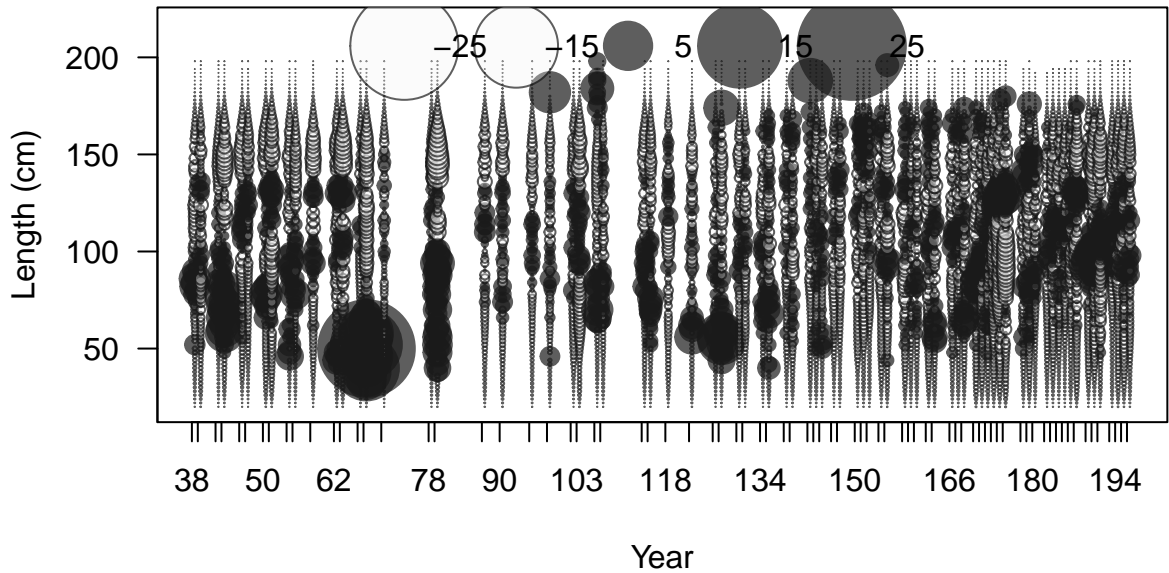
Proportion



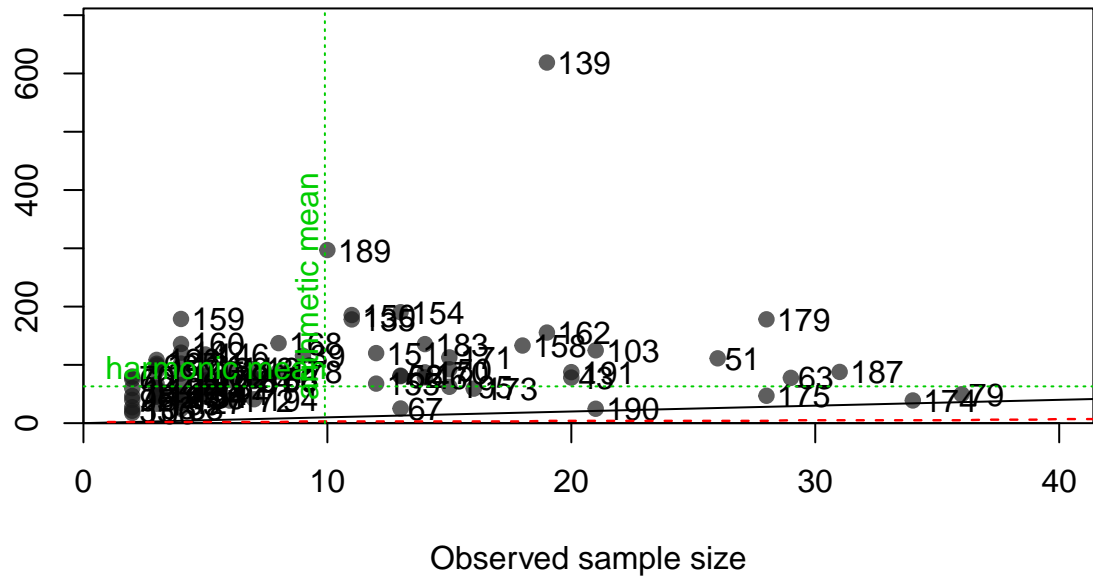
Proportion



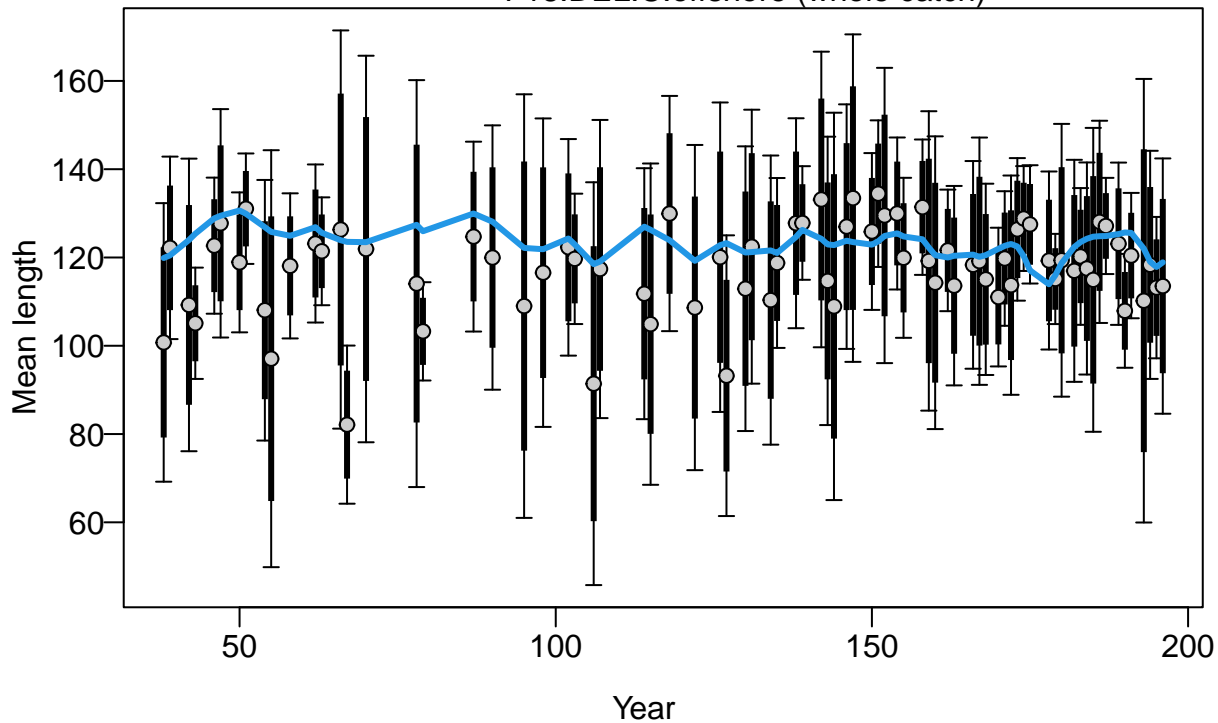
Length (cm)



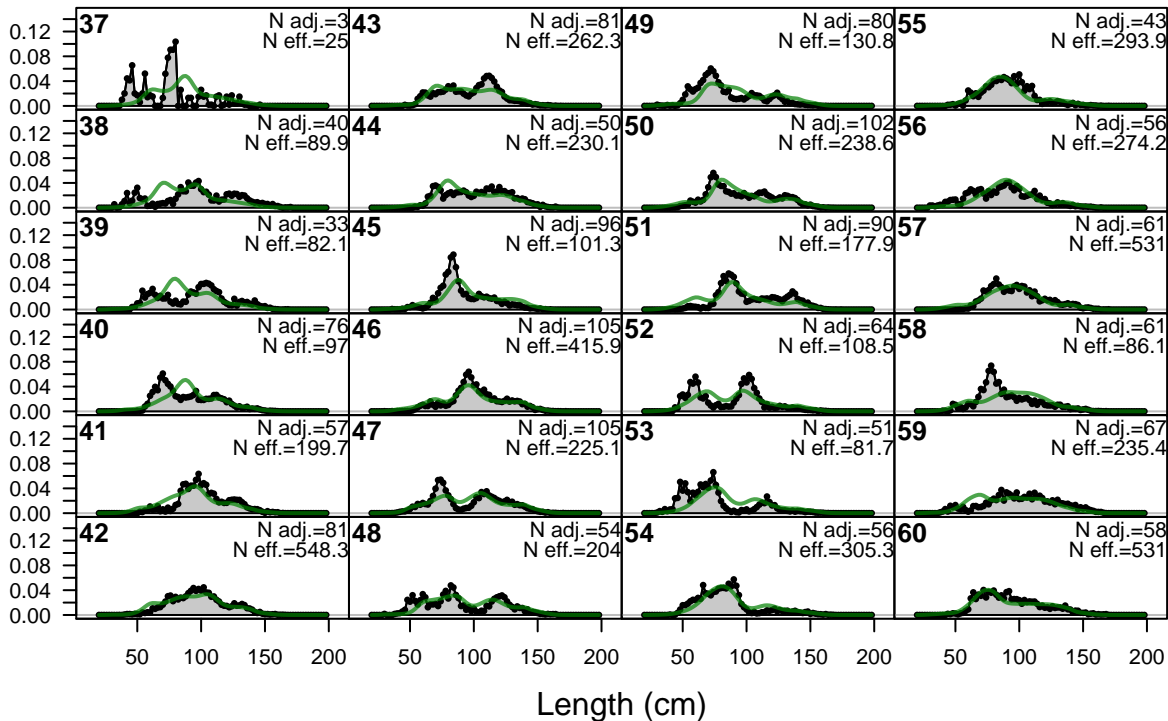
Effective sample size



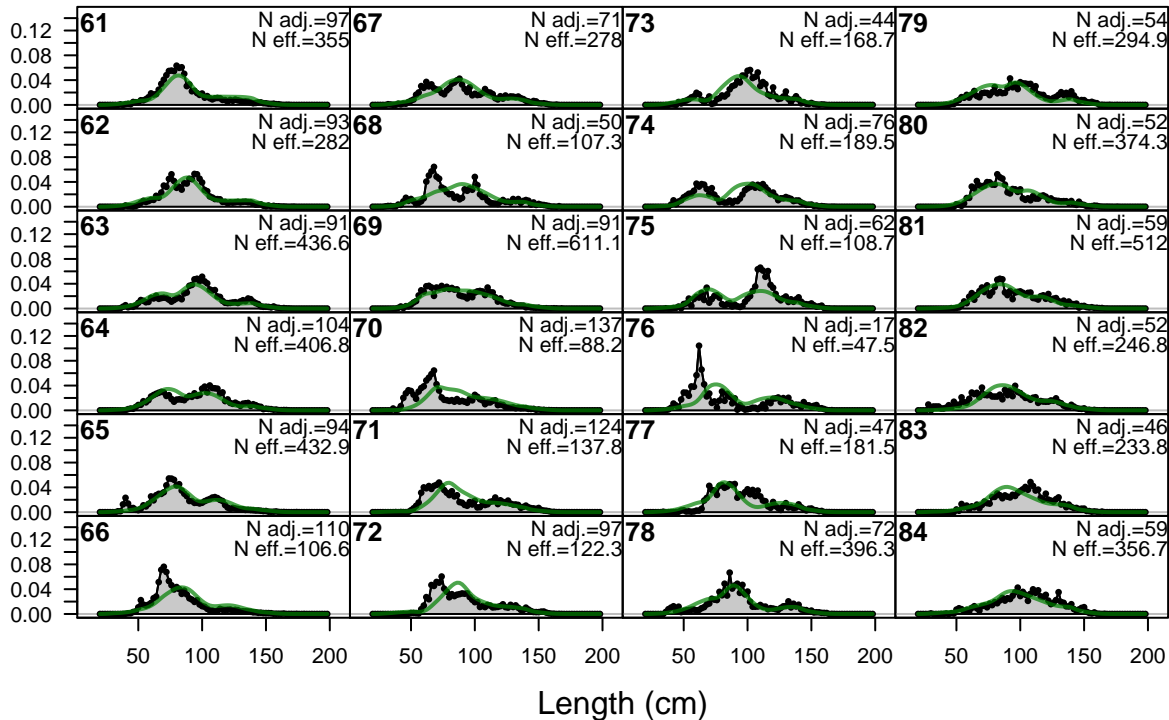
F18.DEL.C.offshore (whole catch)



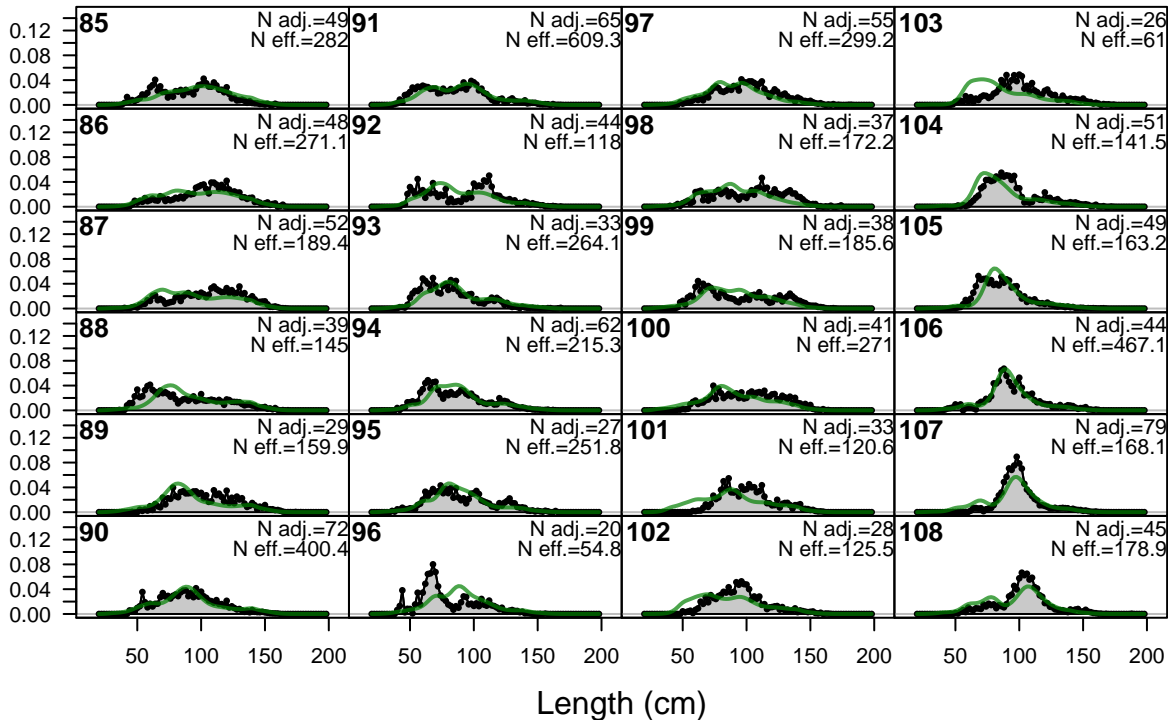
Proportion



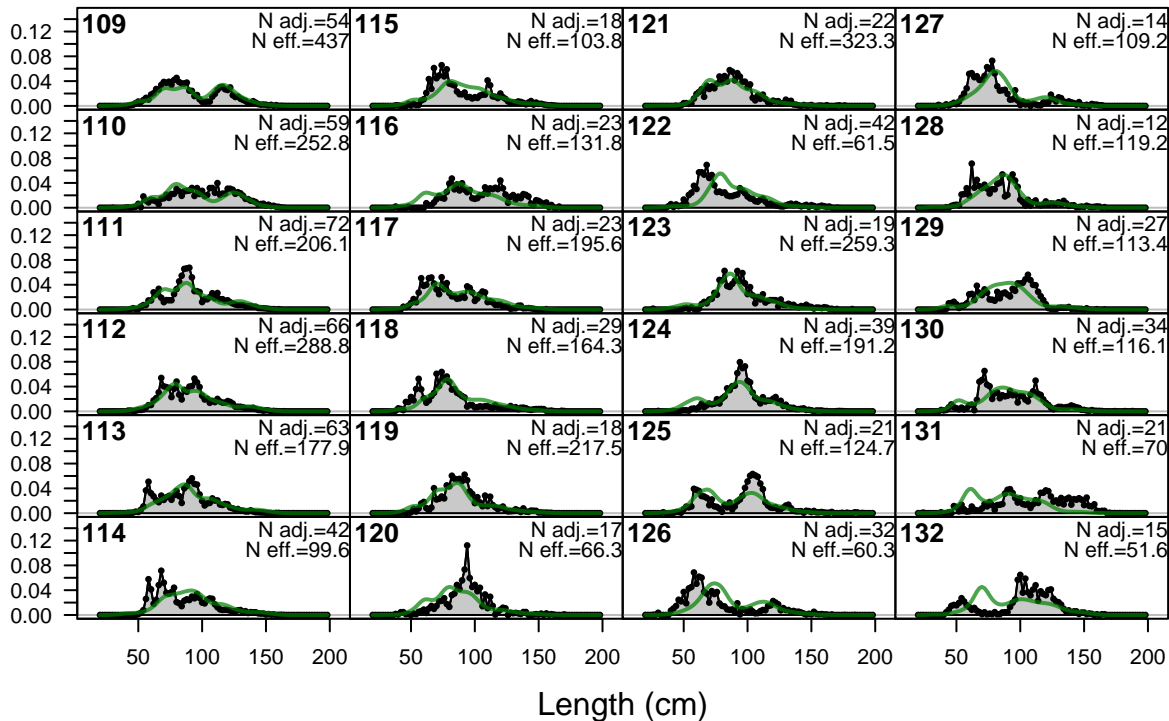
Proportion



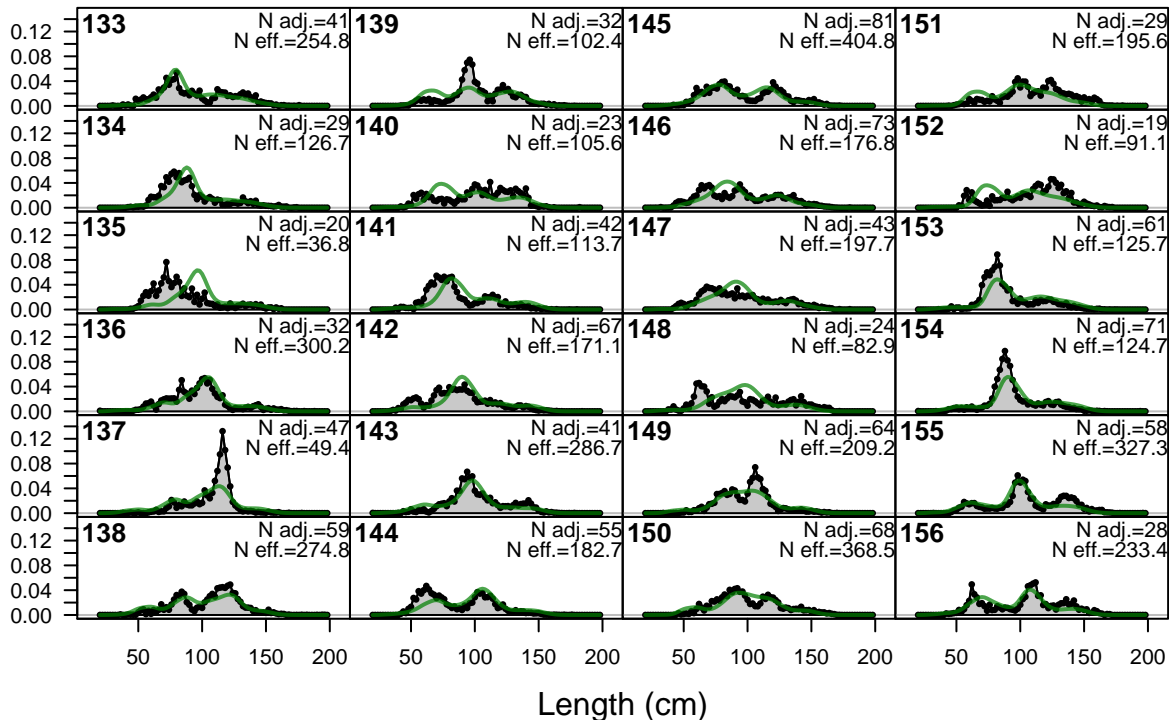
Proportion



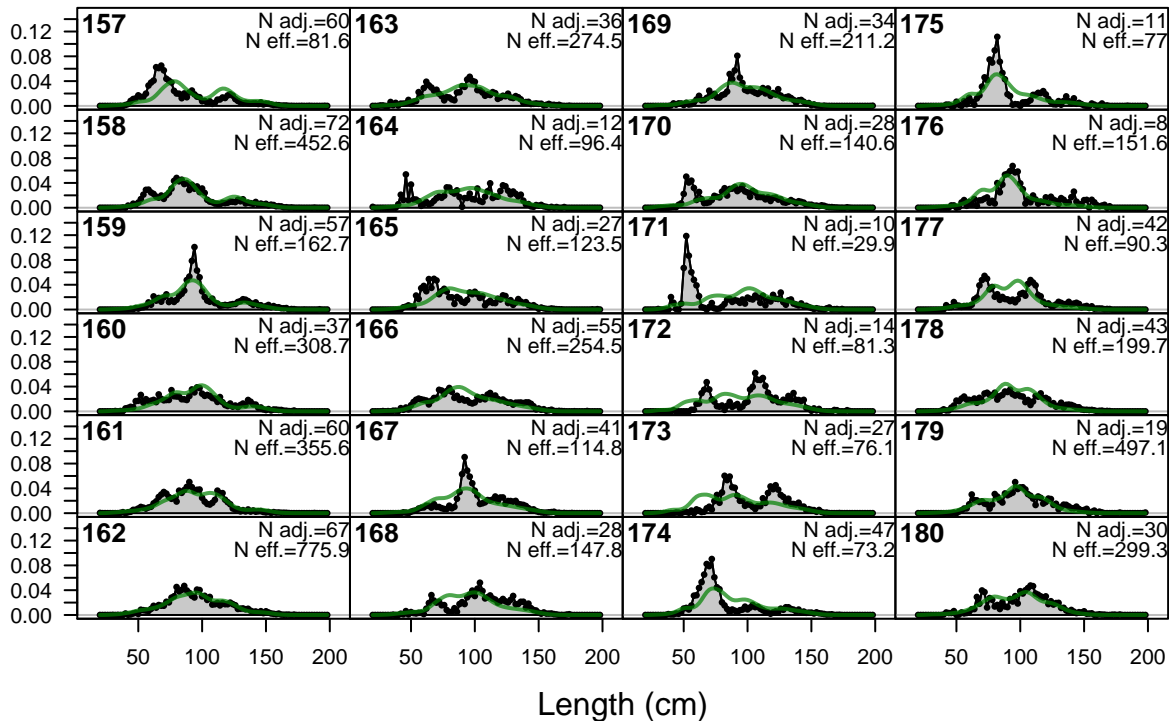
Proportion



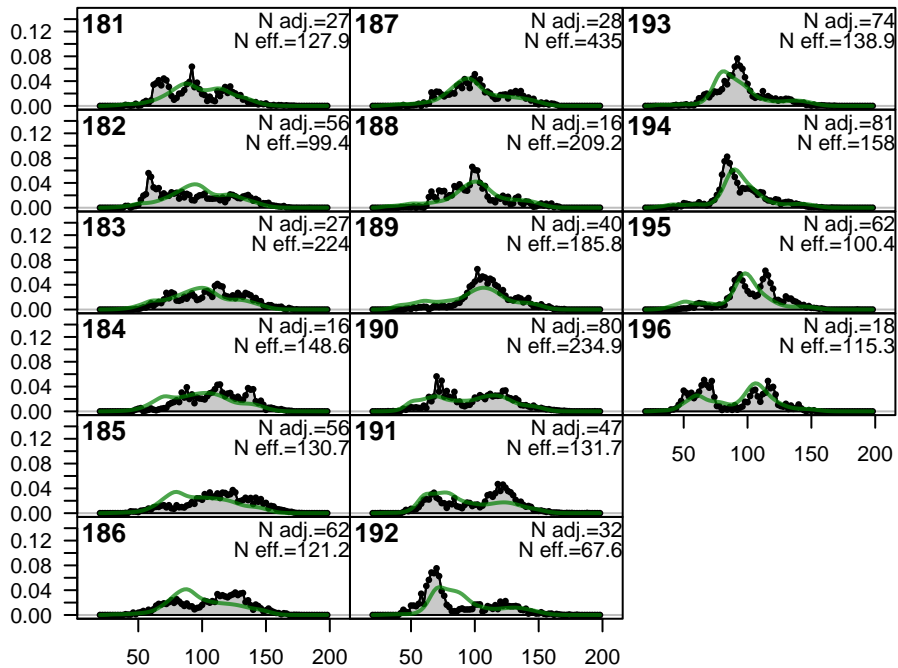
Proportion



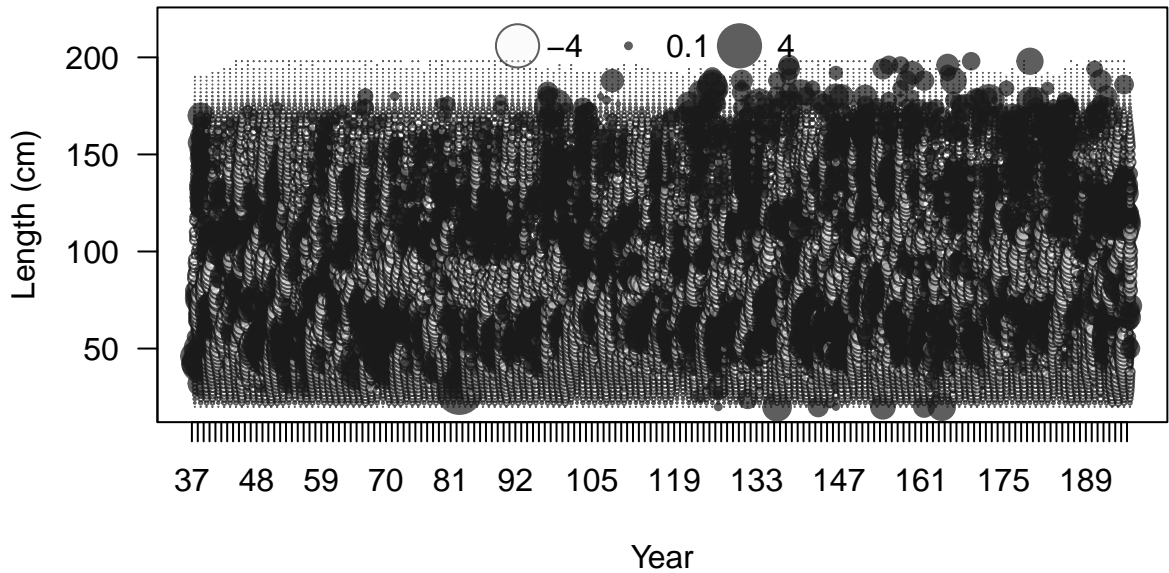
Proportion



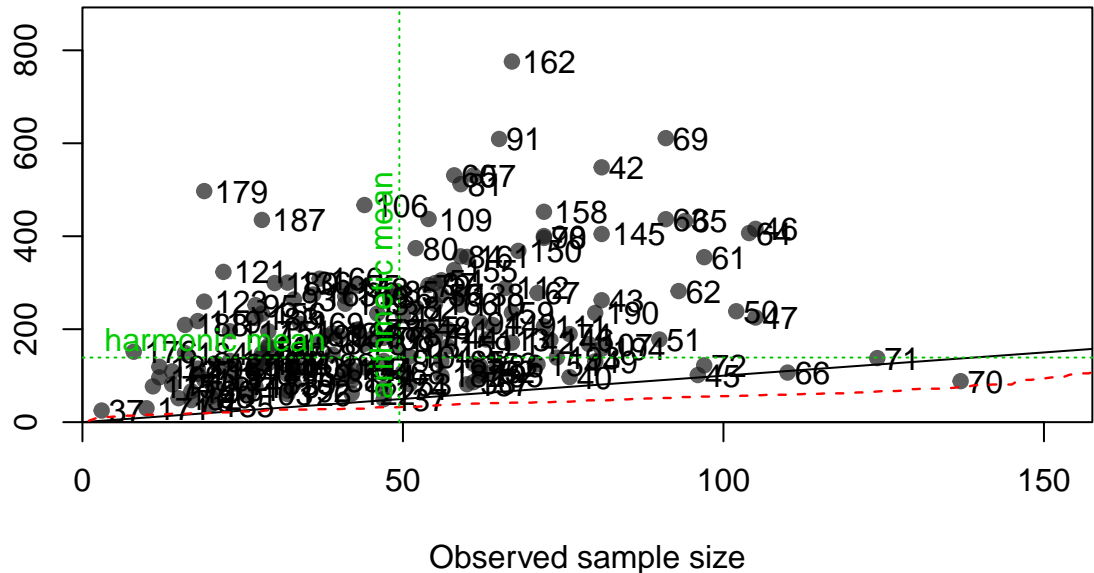
Proportion



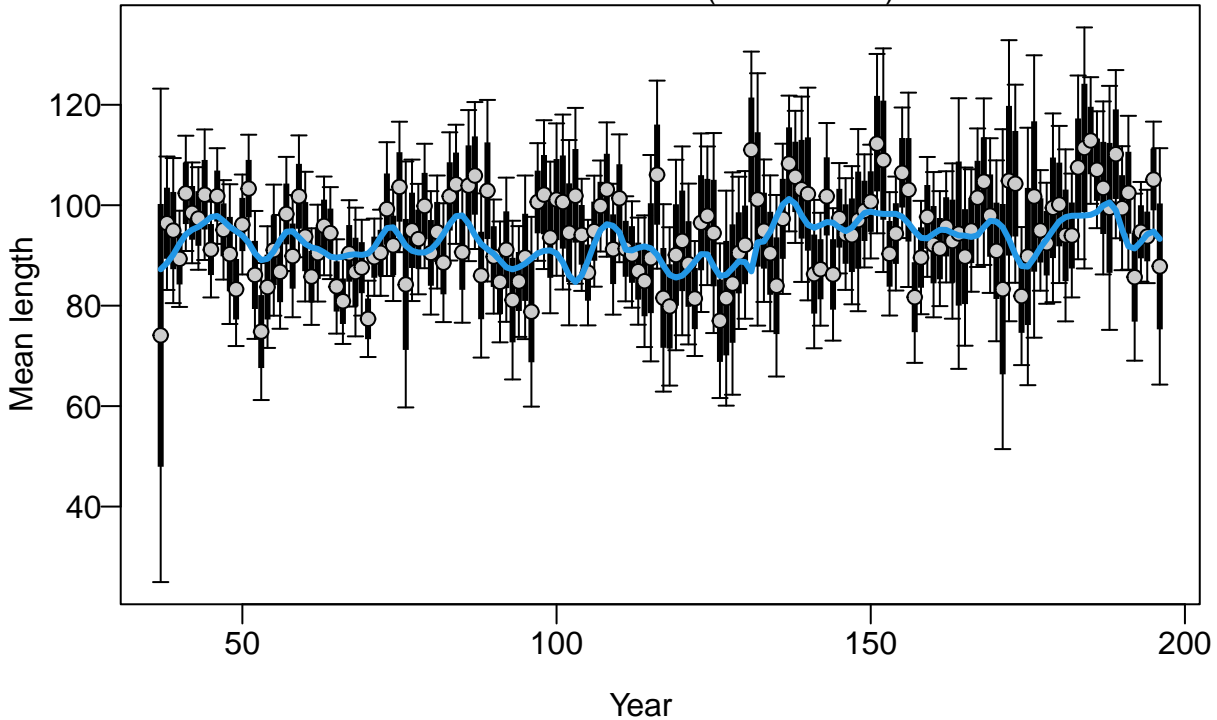
Length (cm)



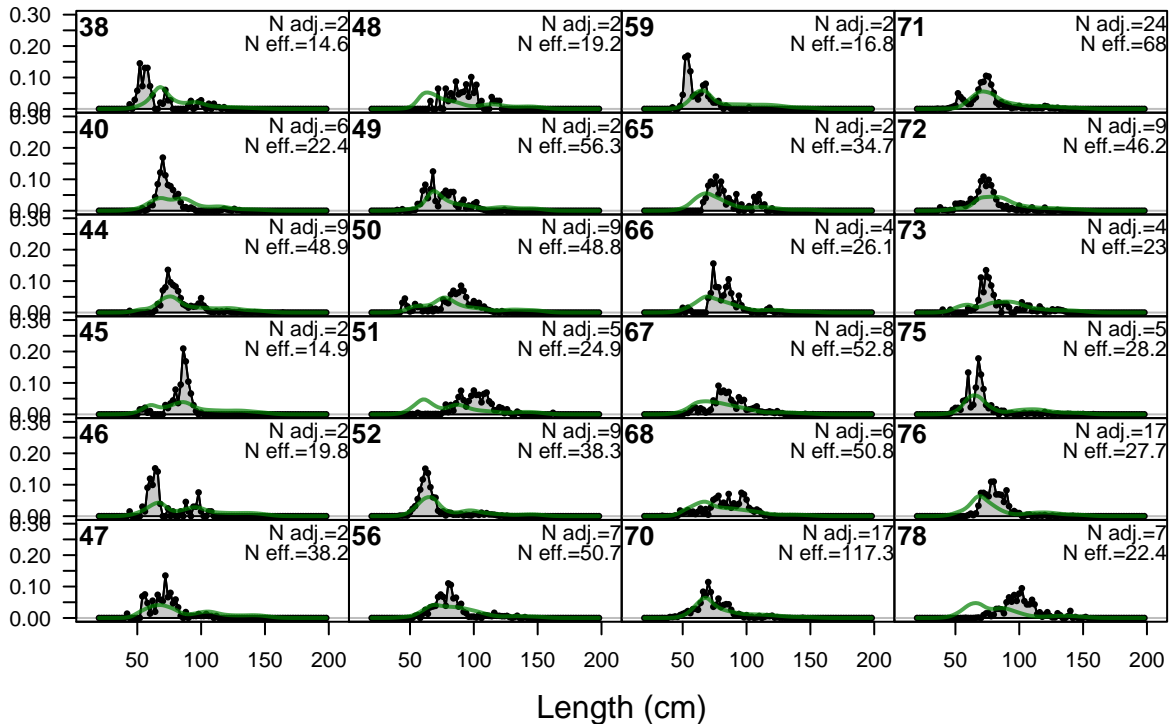
Effective sample size



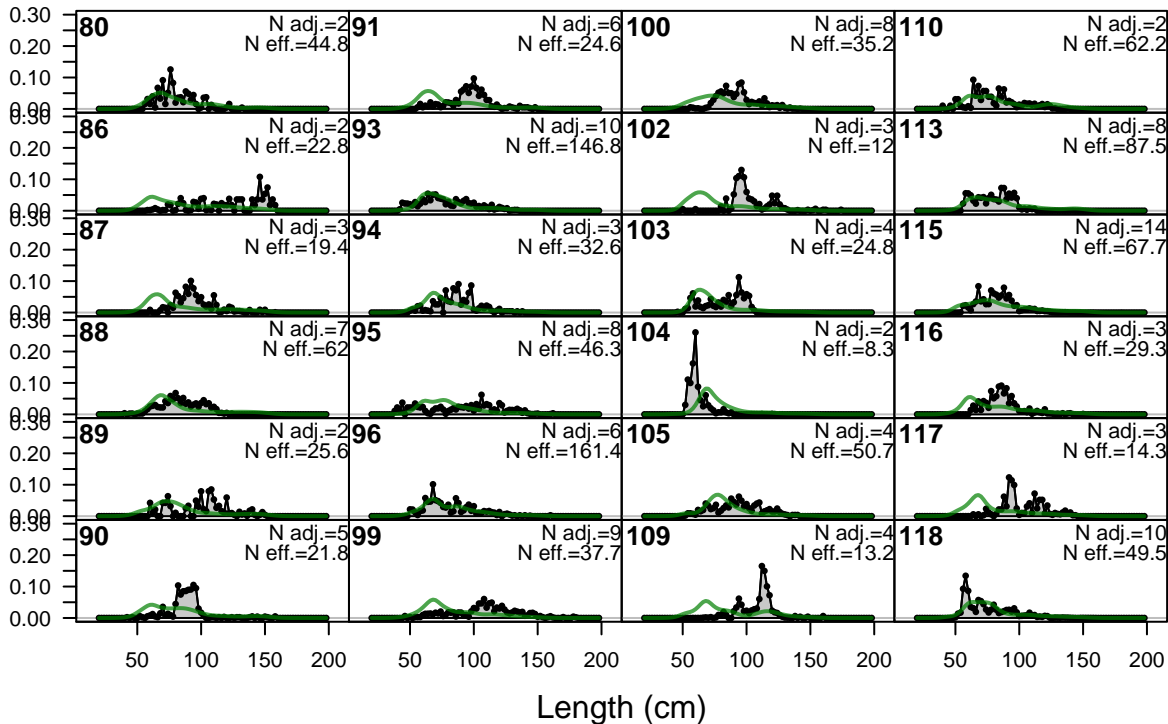
F19.DEL.C.inshore (whole catch)



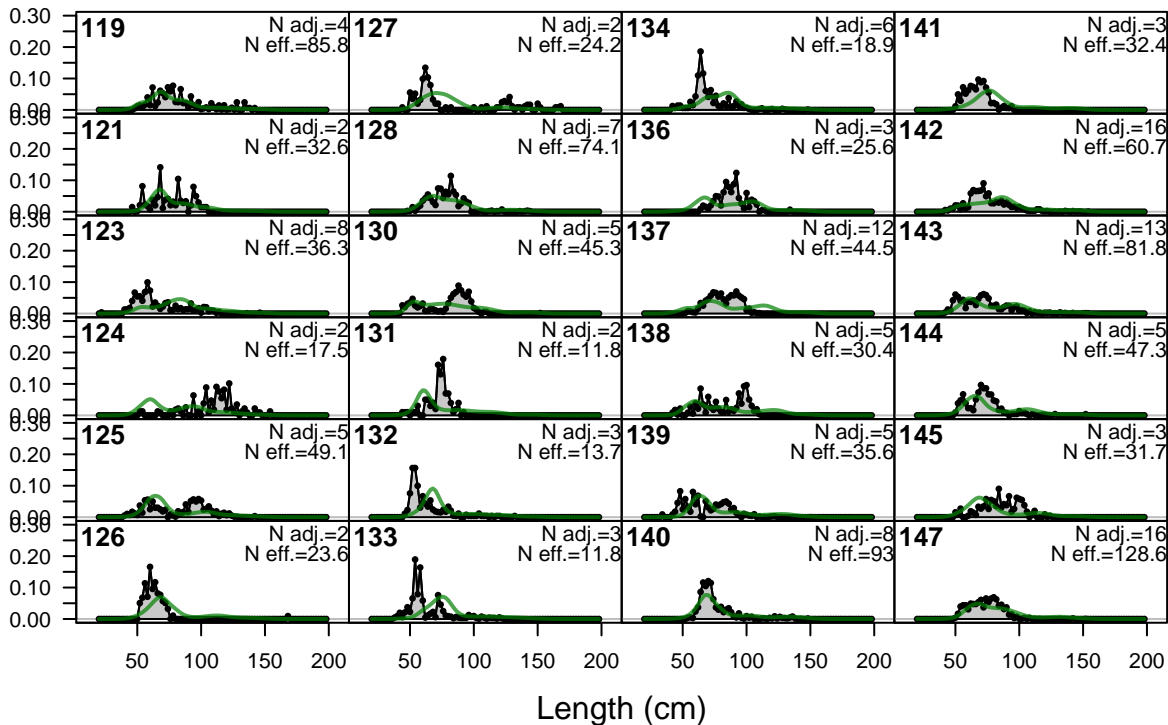
Proportion



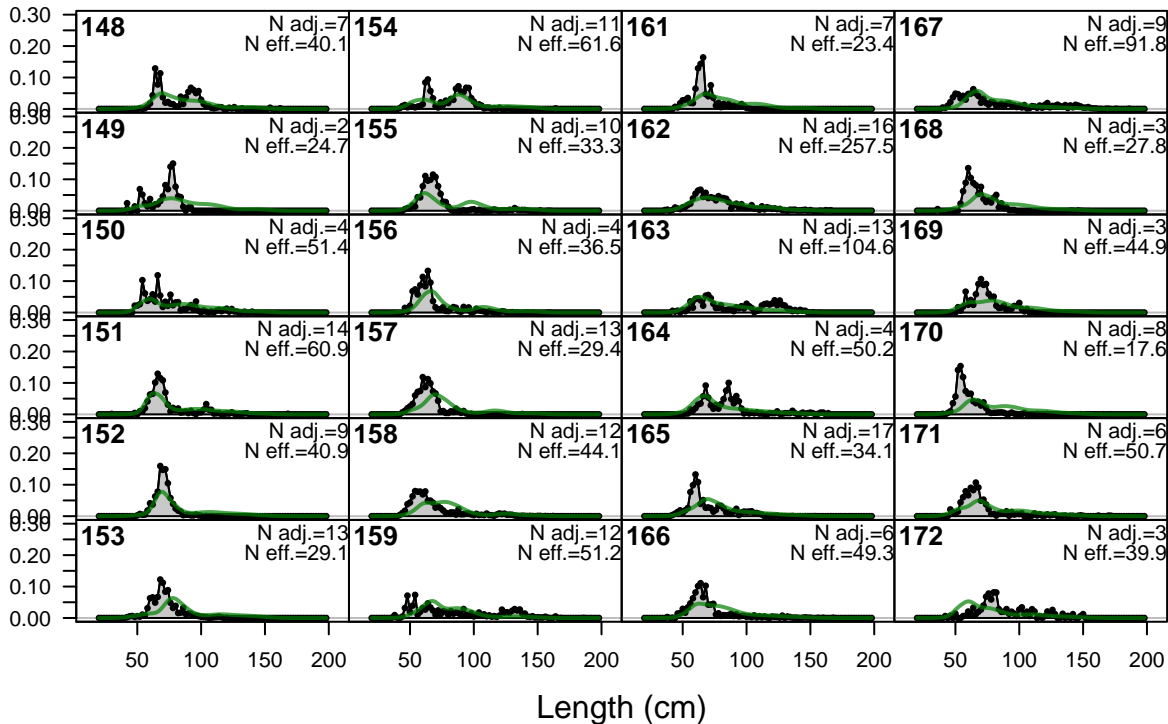
Proportion



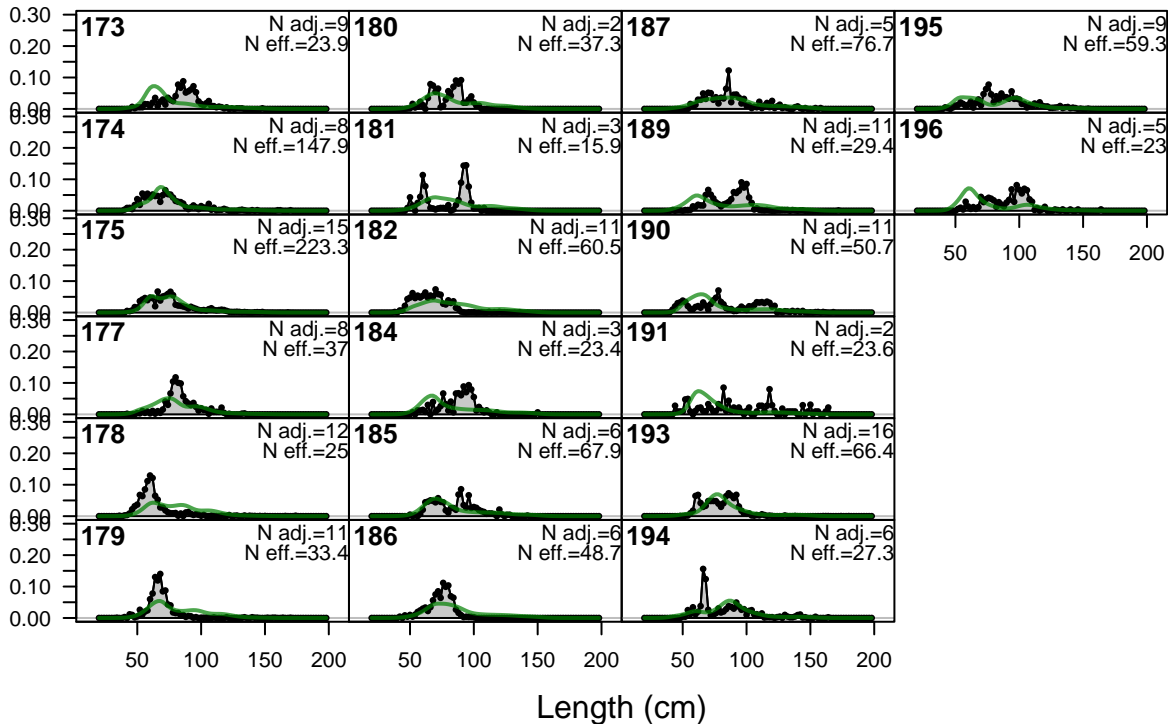
Proportion

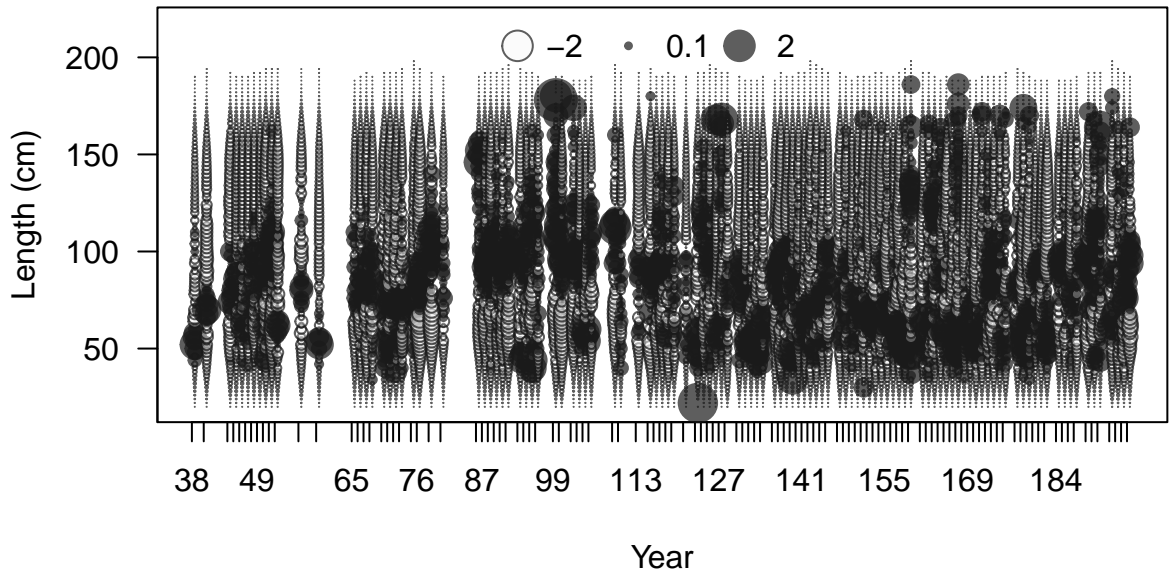


Proportion

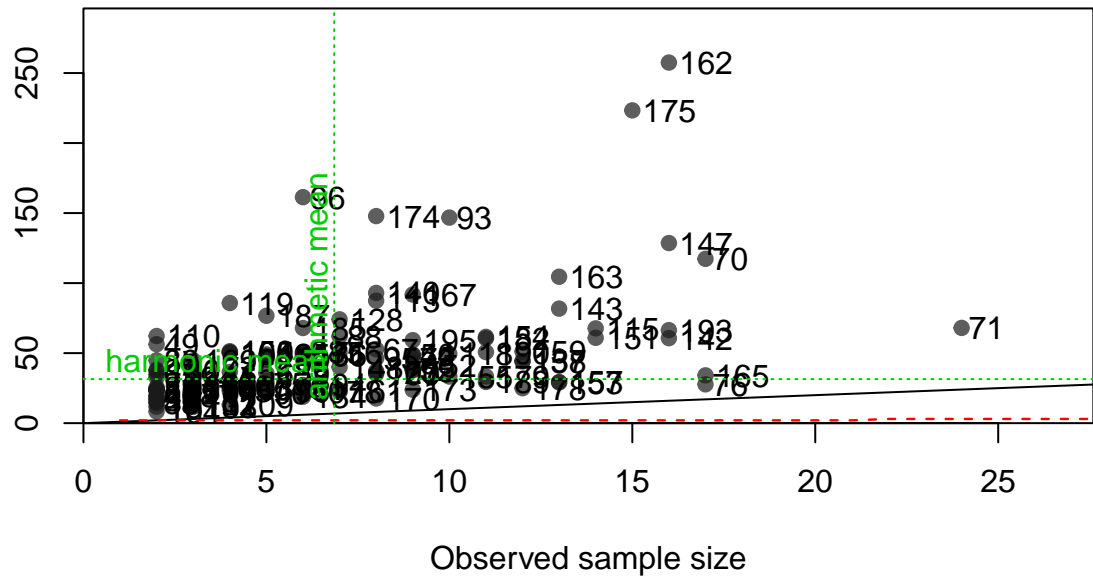


Proportion

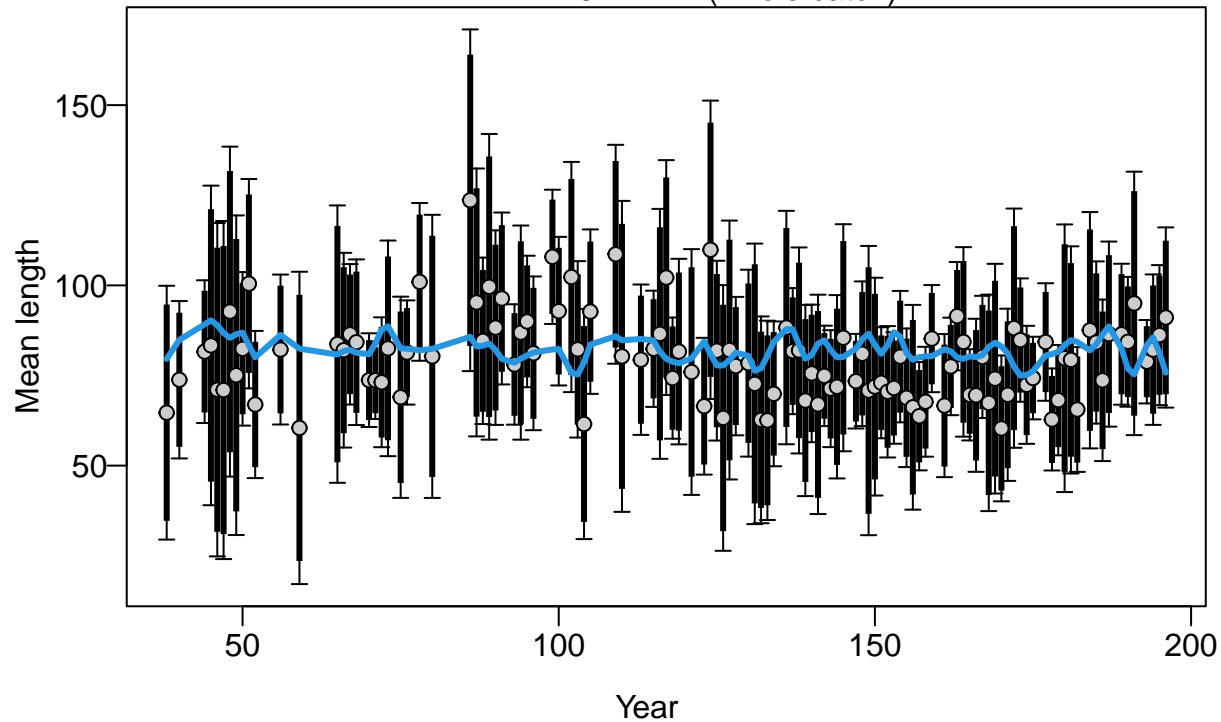




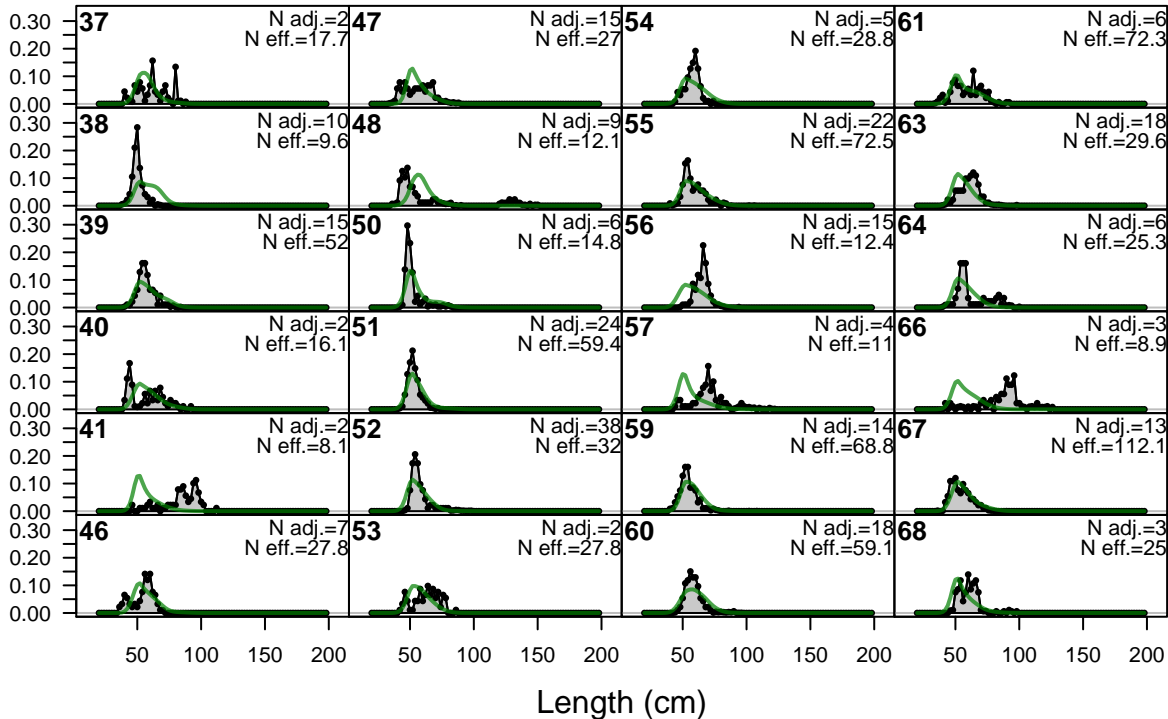
Effective sample size



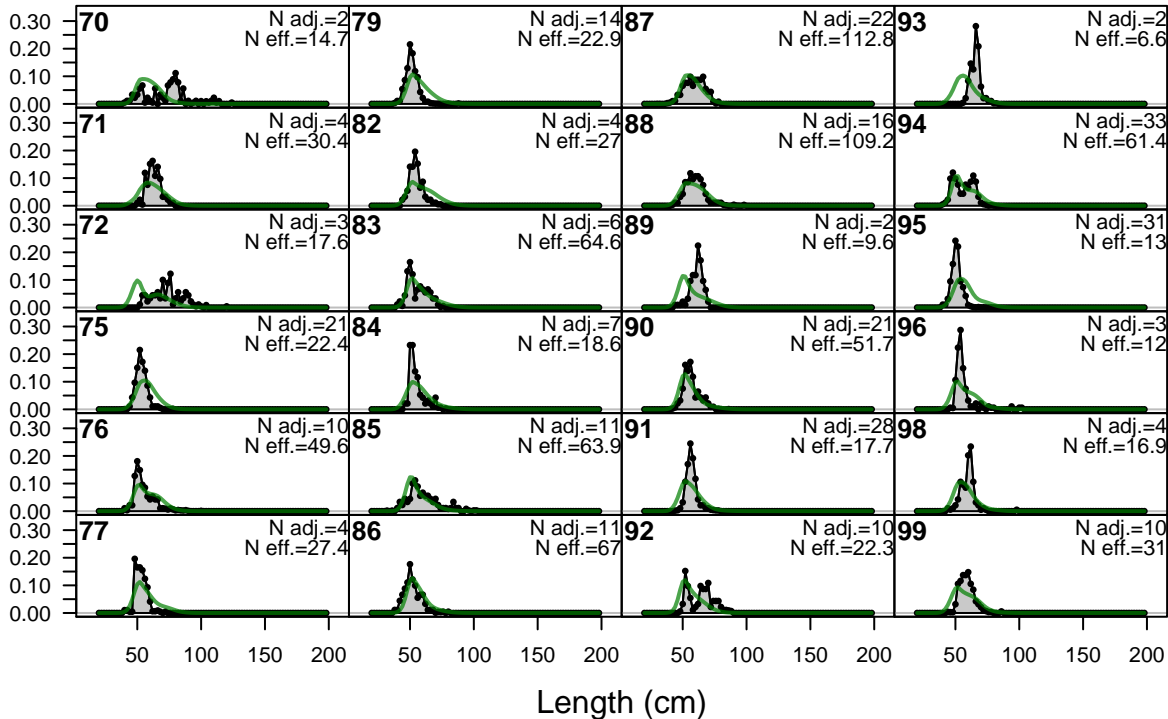
F20.DEL.N (whole catch)

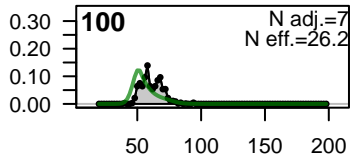


Proportion



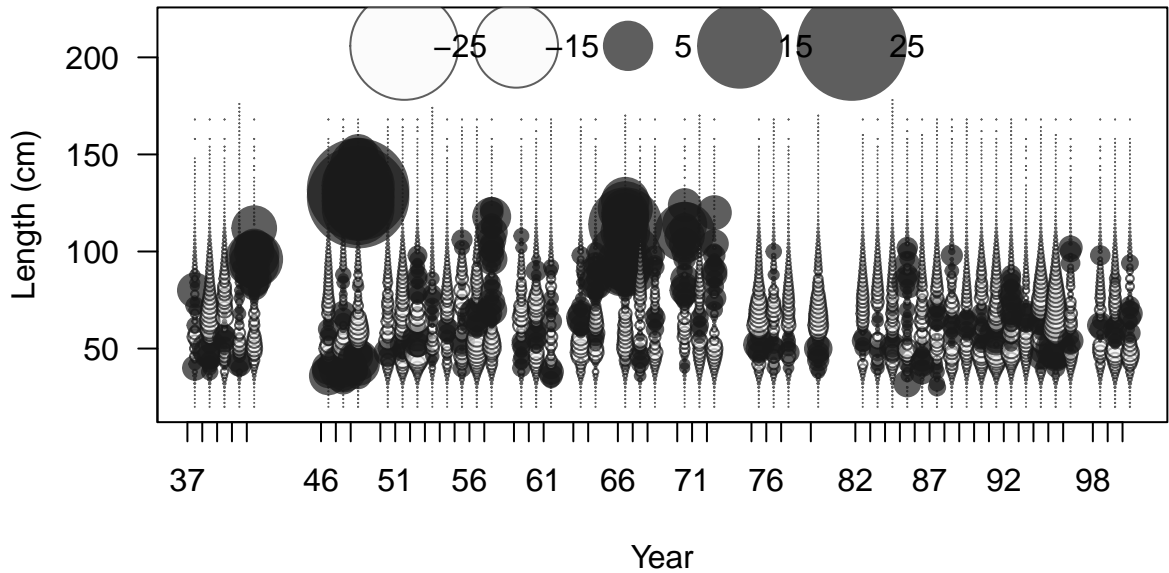
Proportion



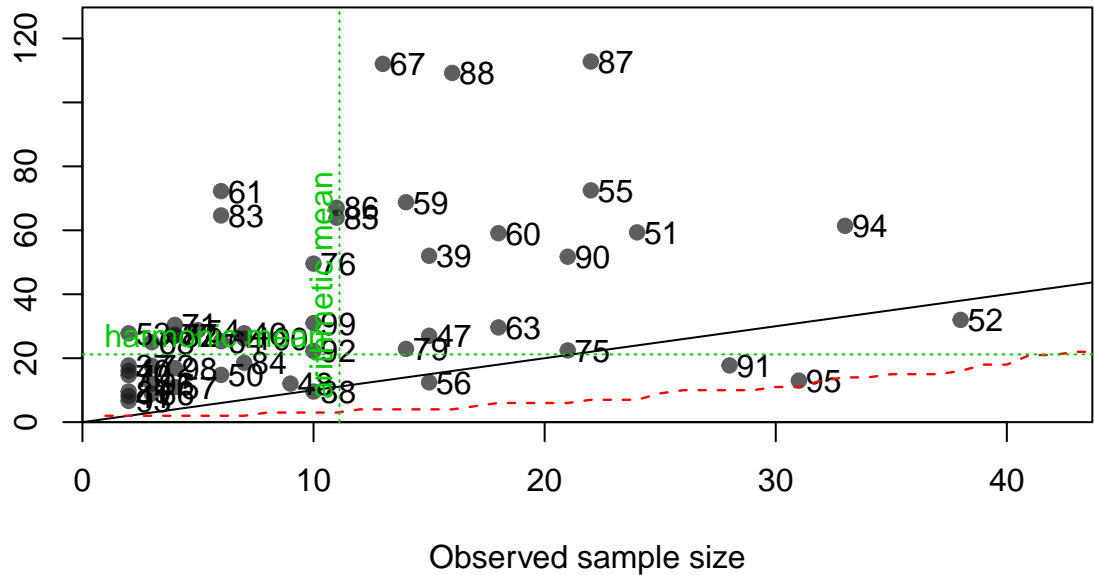


Proportion

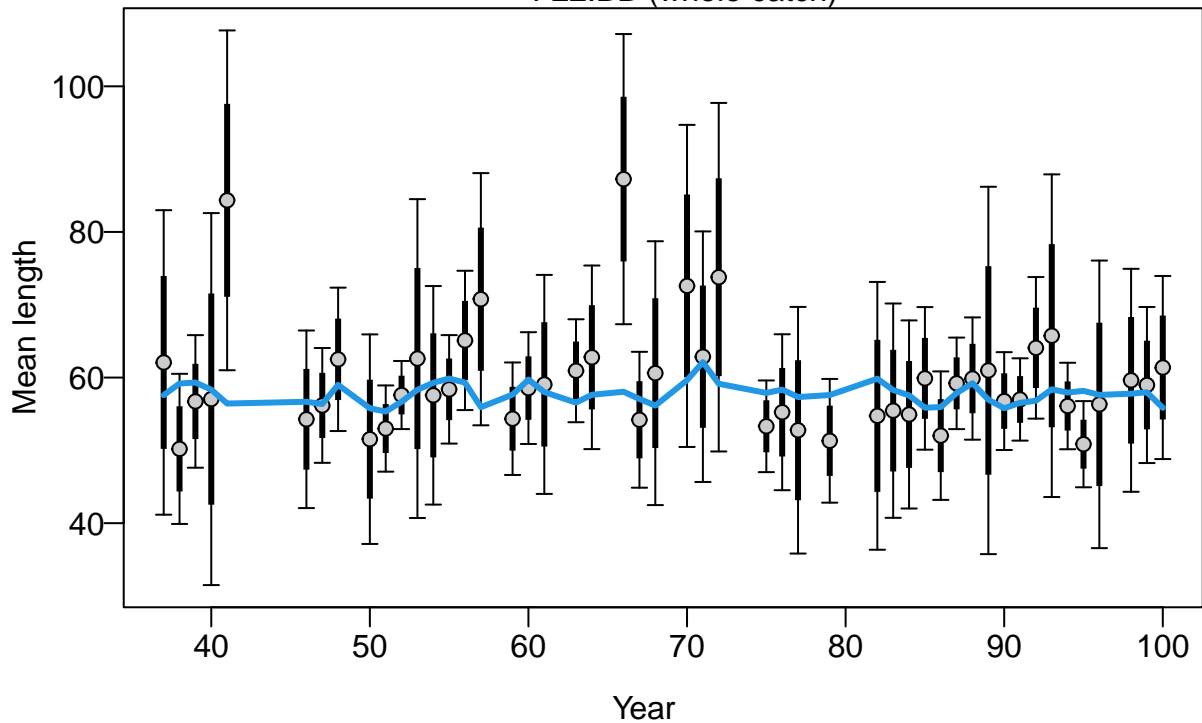
Length (cm)

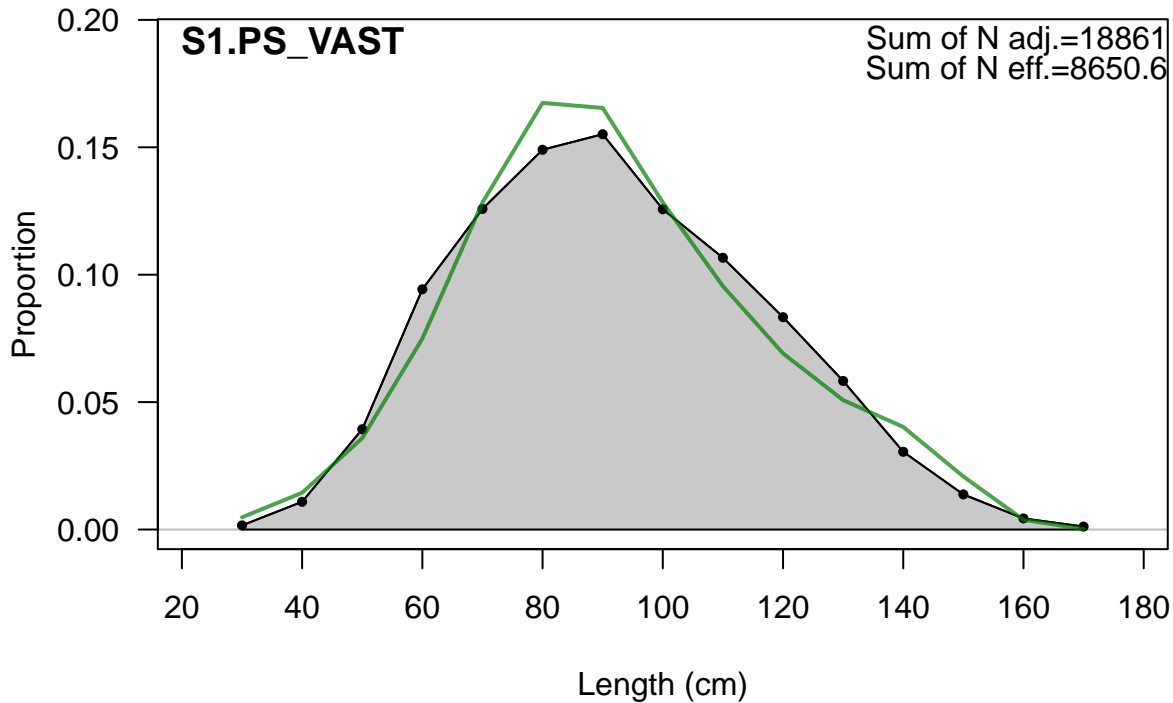


Effective sample size

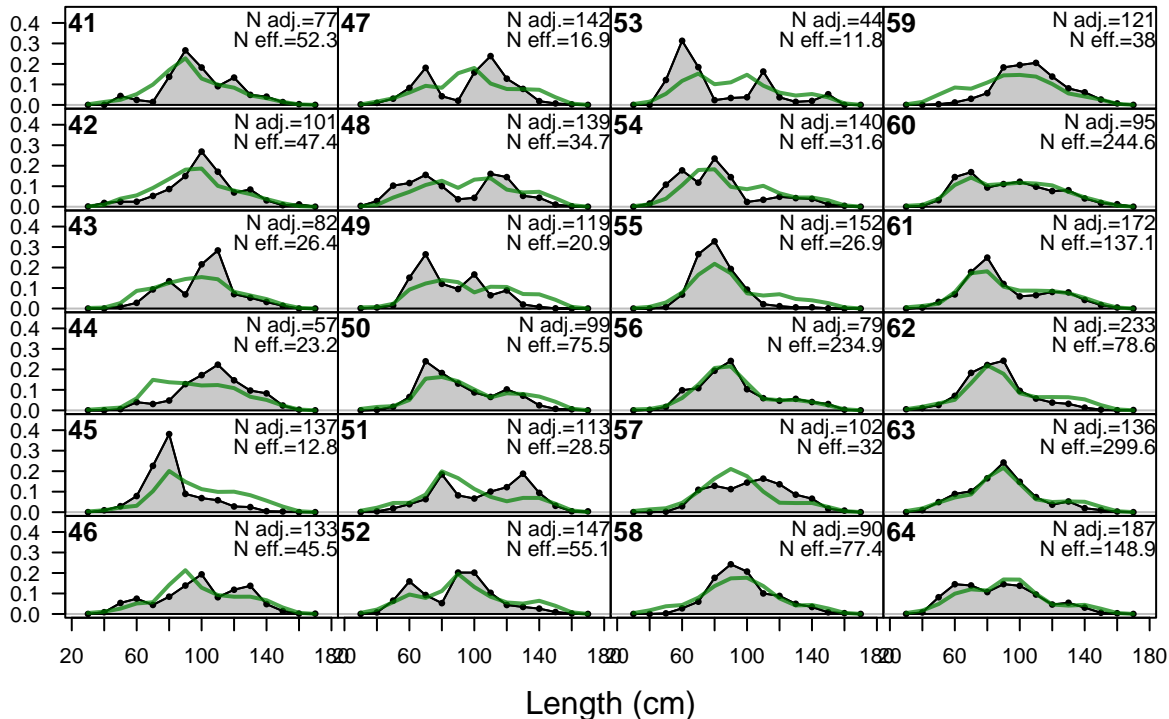


F22.BB (whole catch)

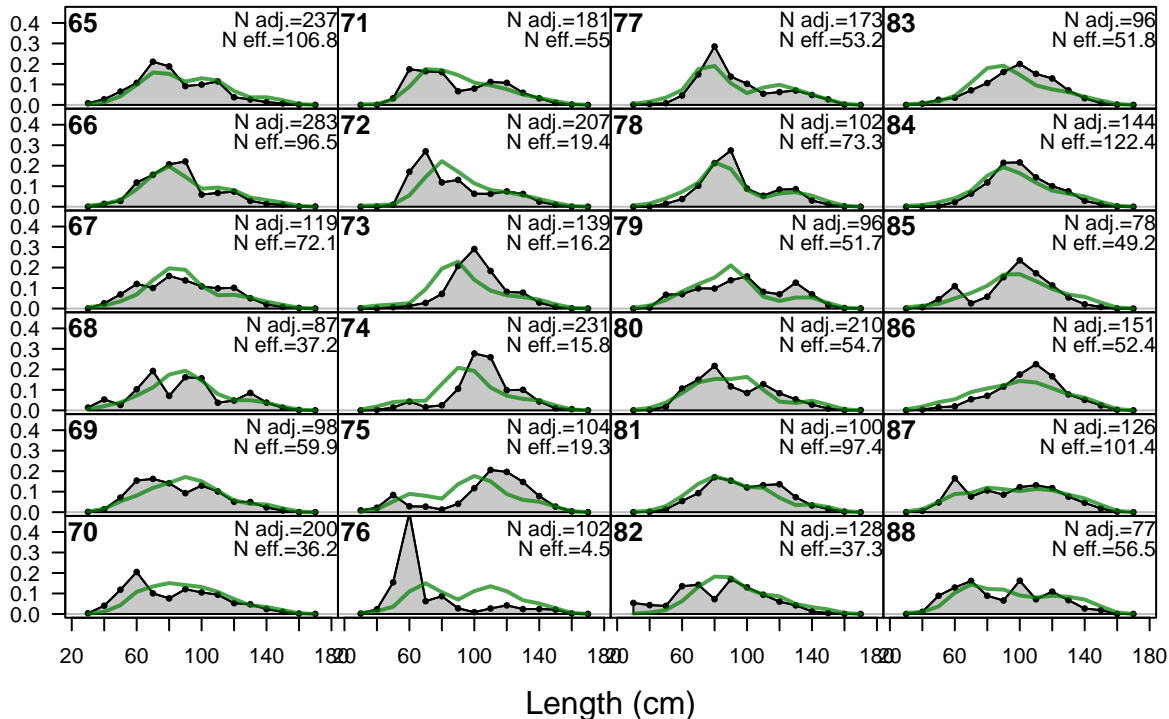




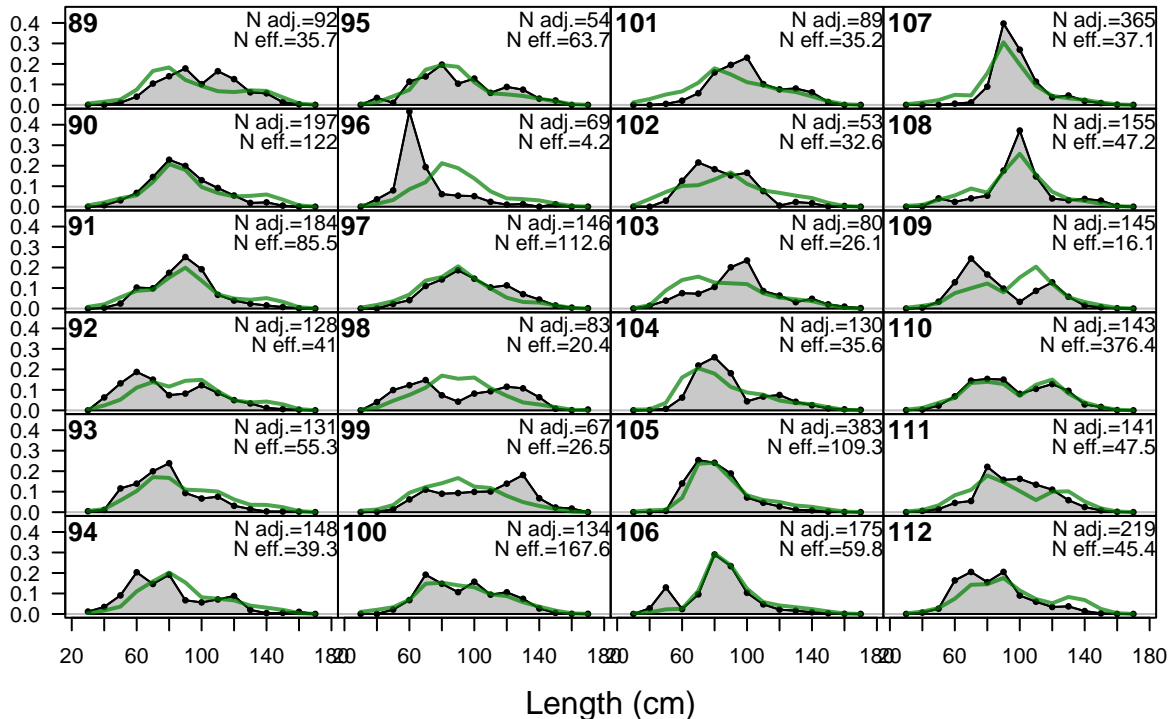
Proportion



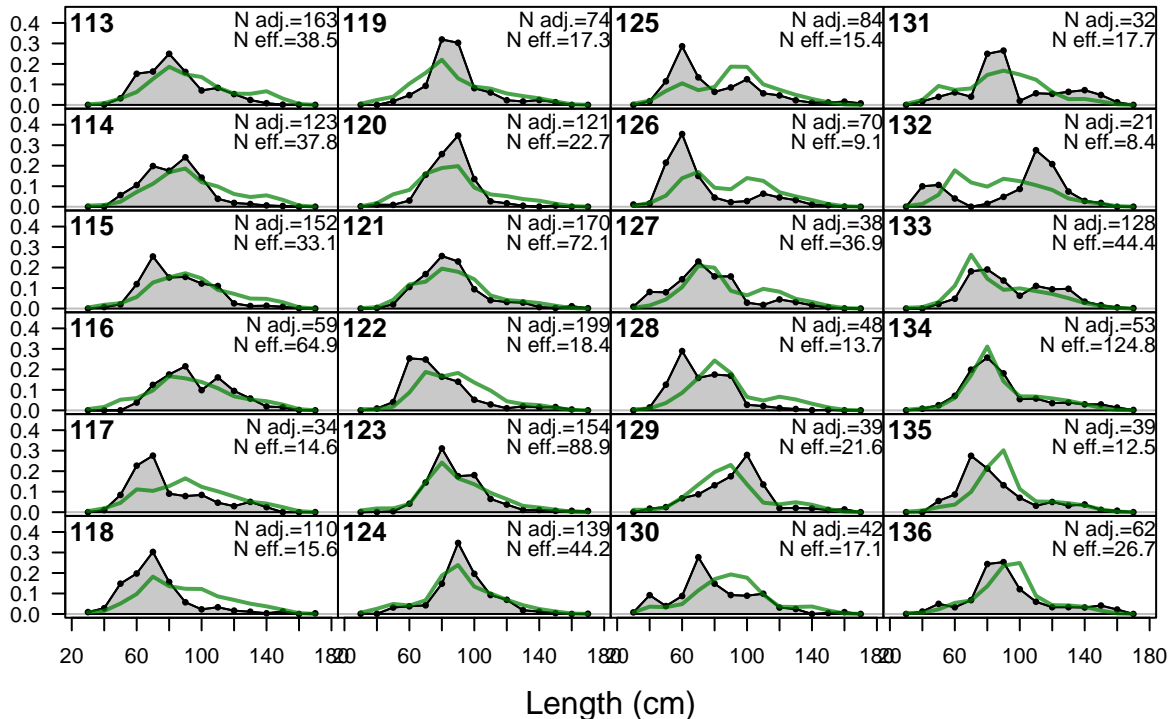
Proportion



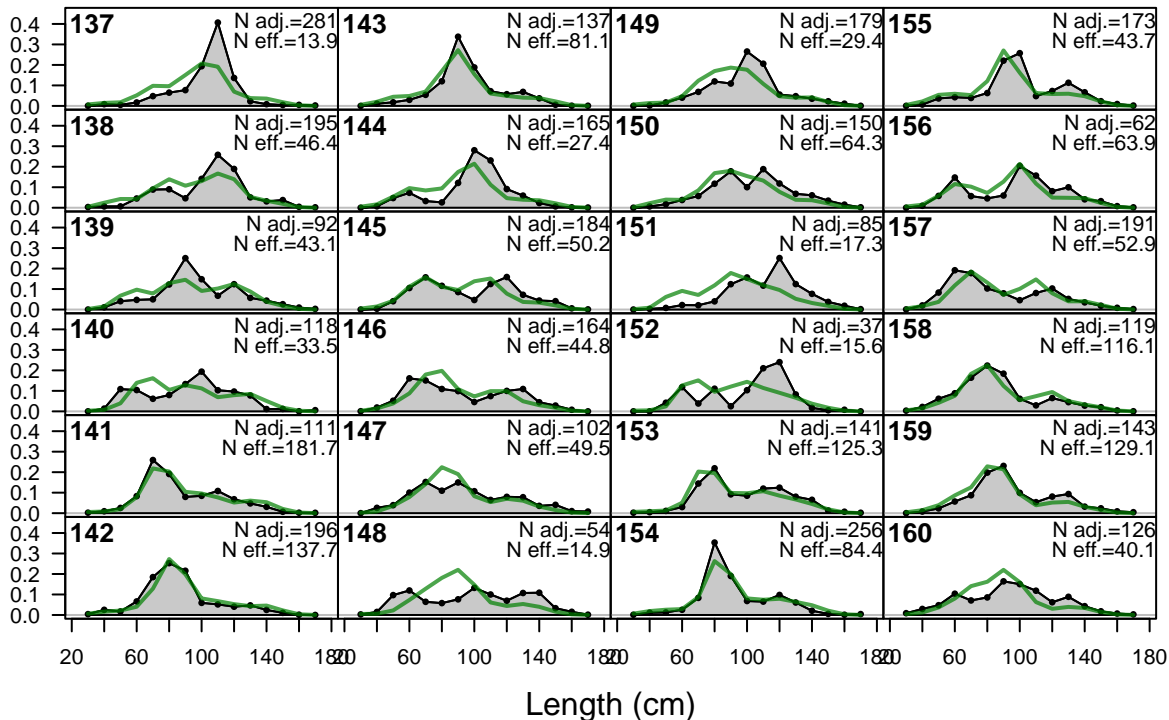
Proportion



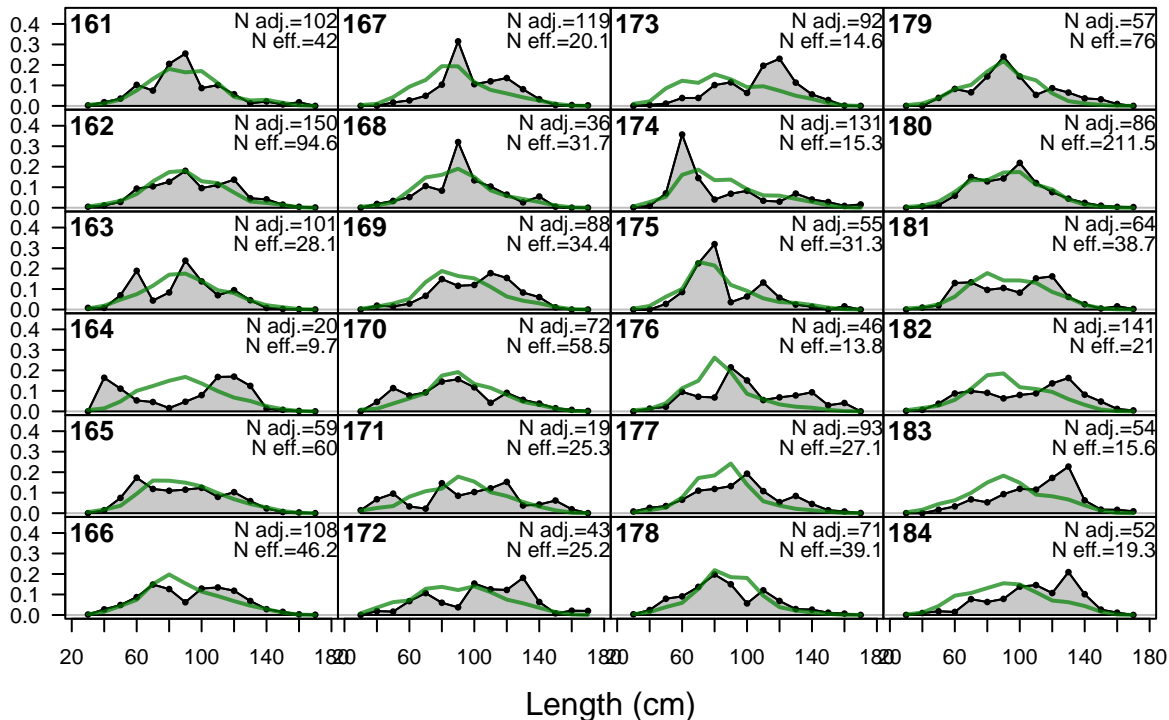
Proportion



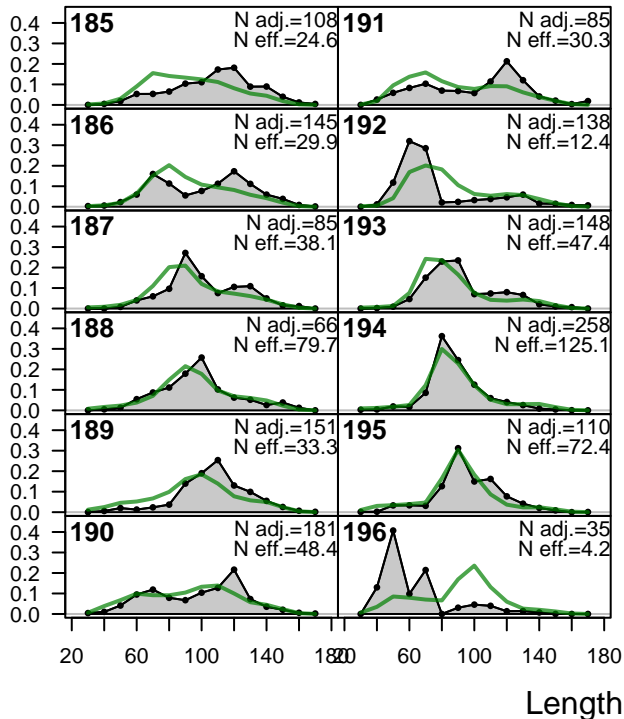
Proportion

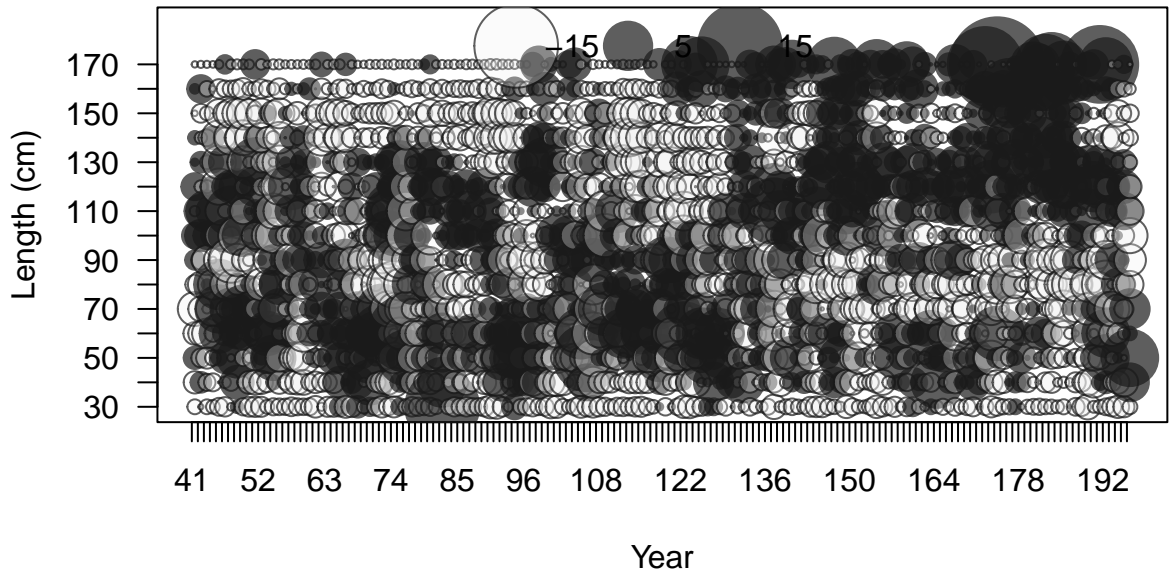


Proportion

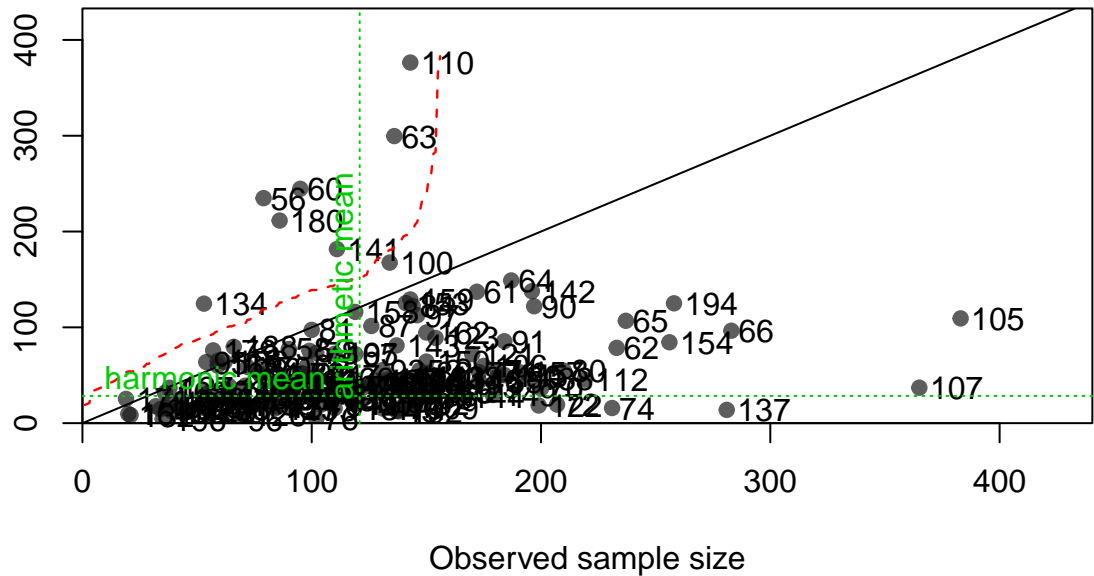


Proportion

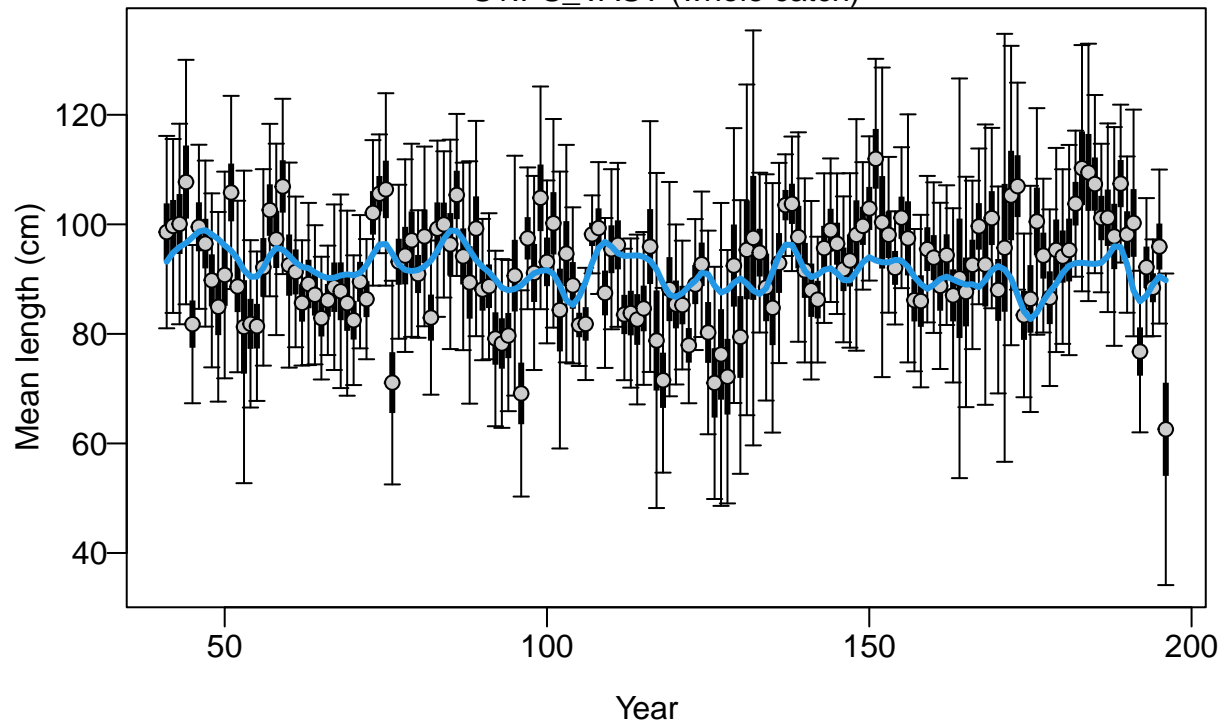




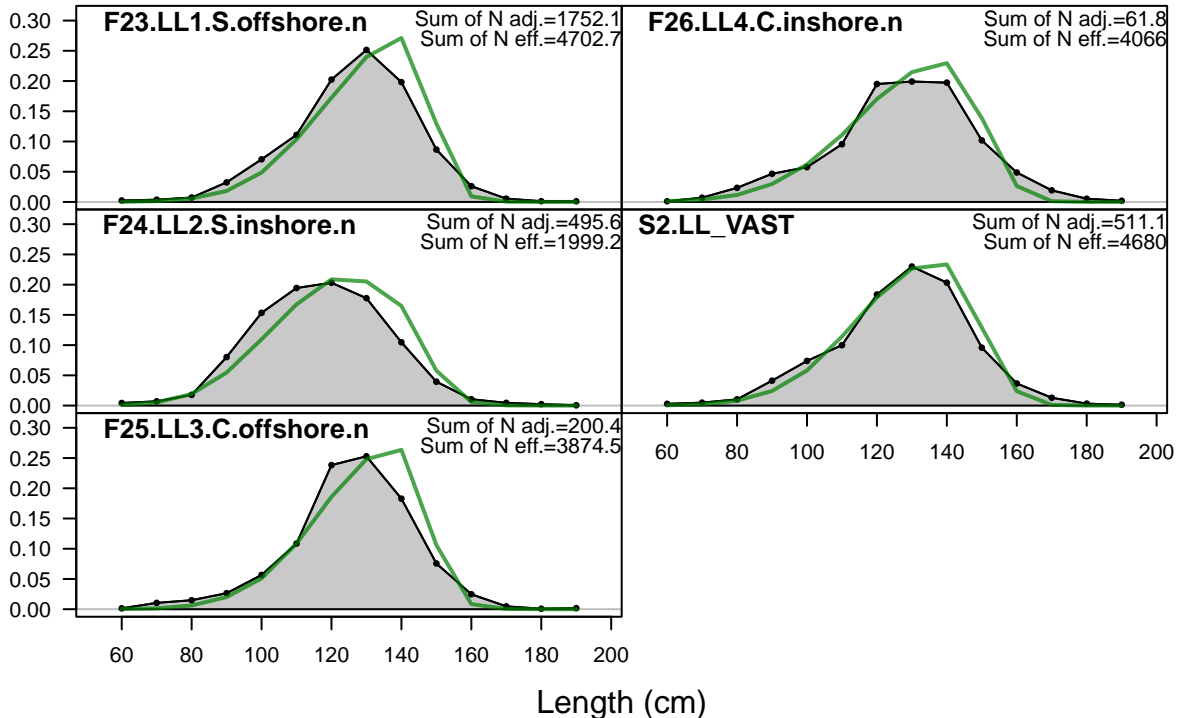
Effective sample size



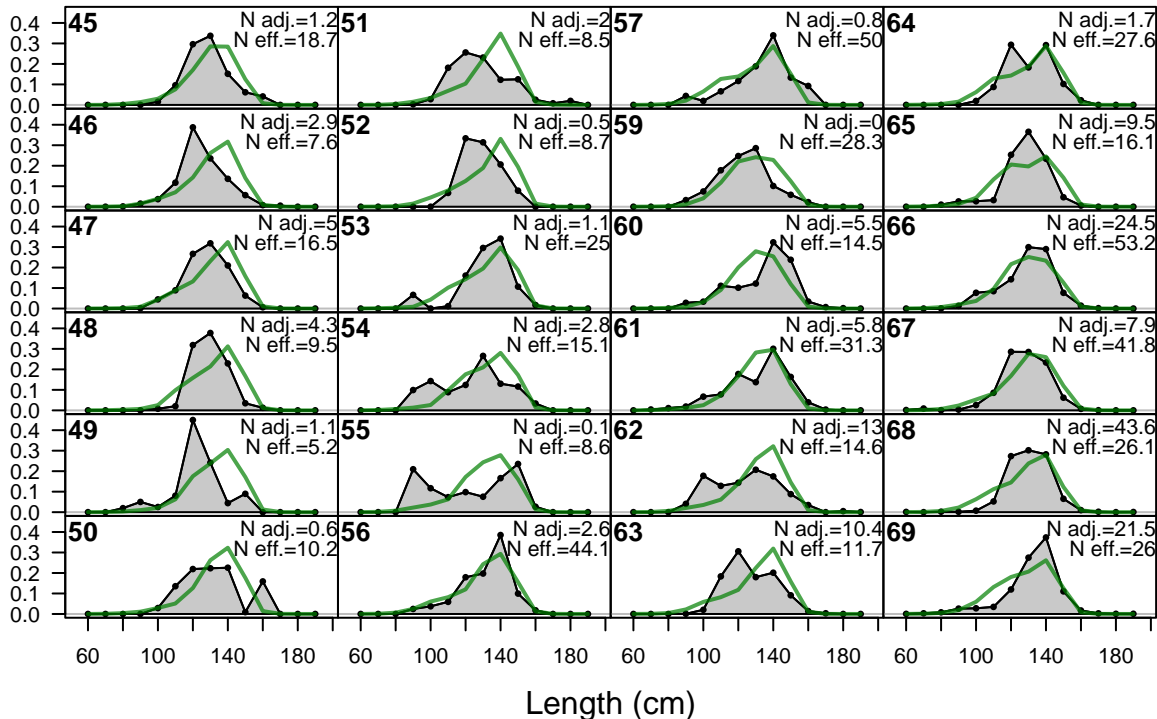
S1.PS_VAST (whole catch)



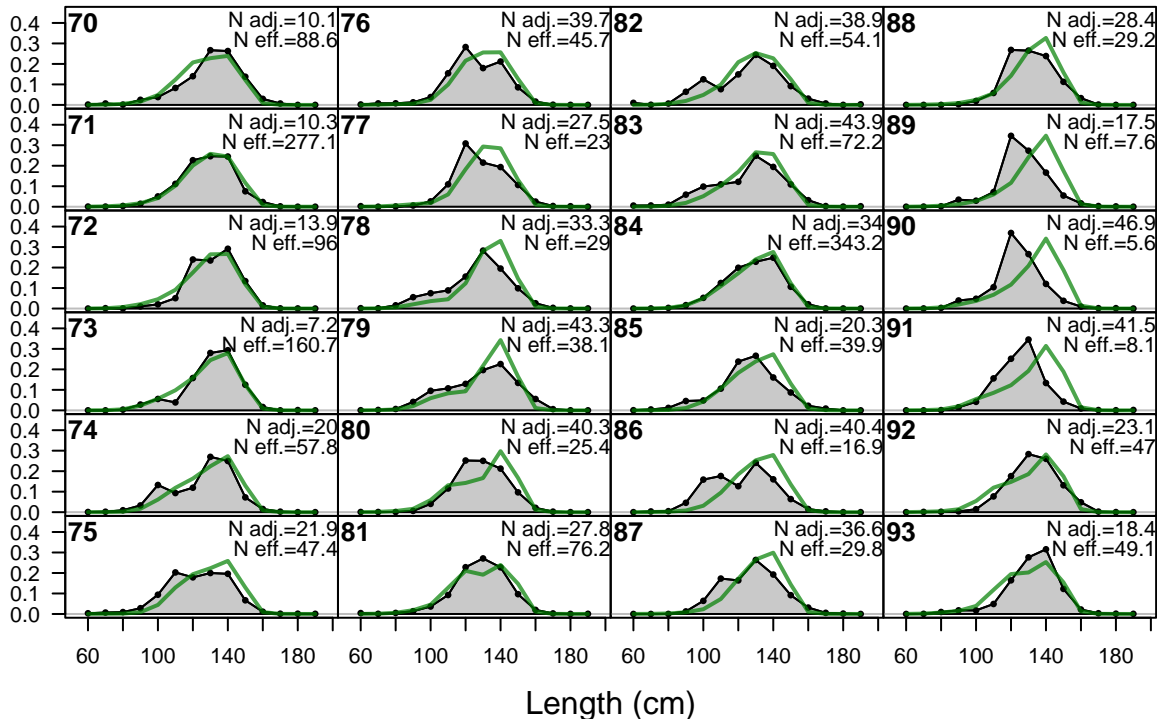
Proportion



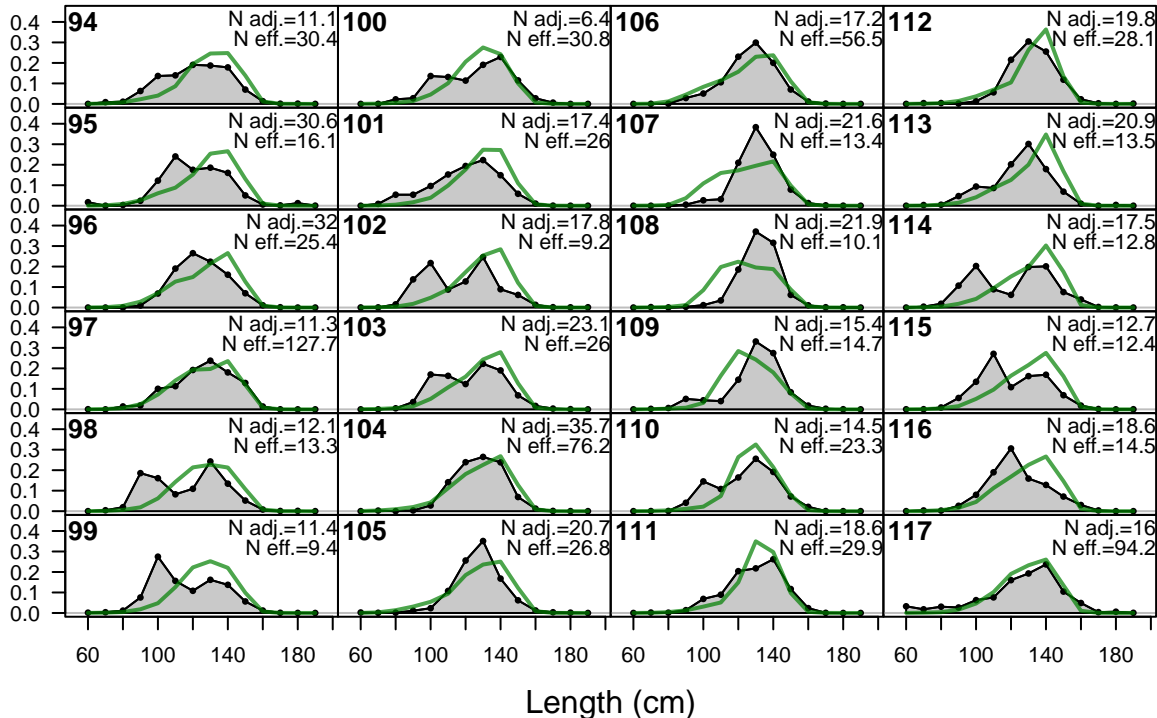
Proportion



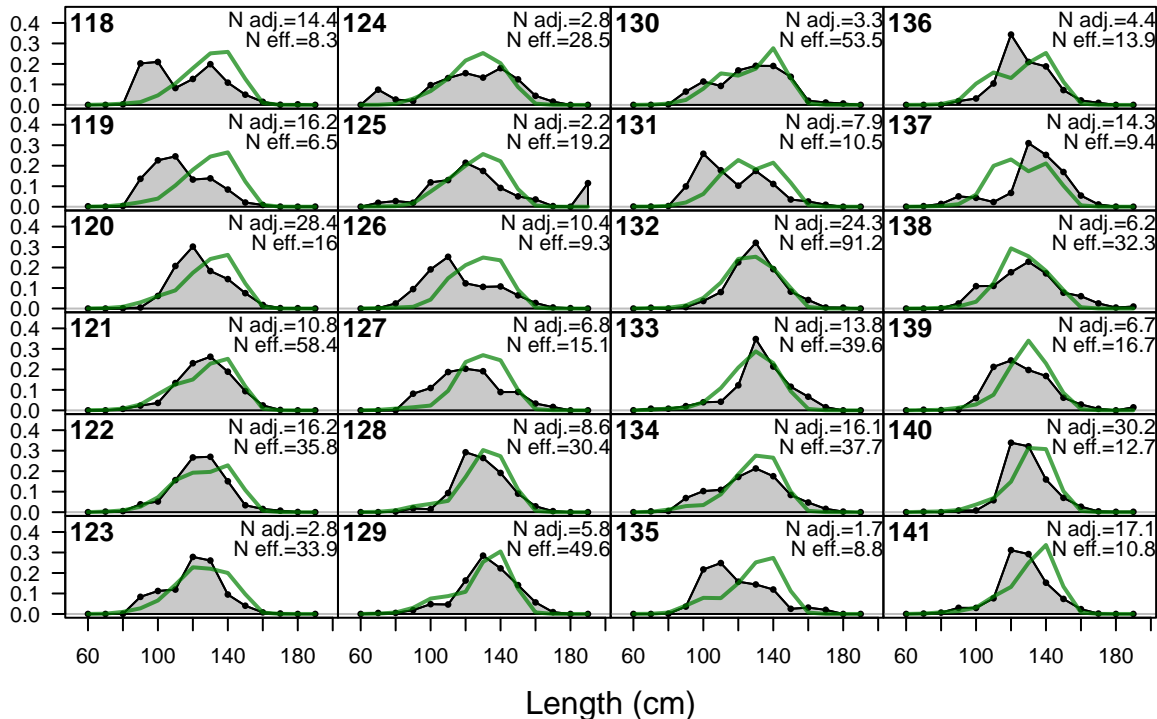
Proportion



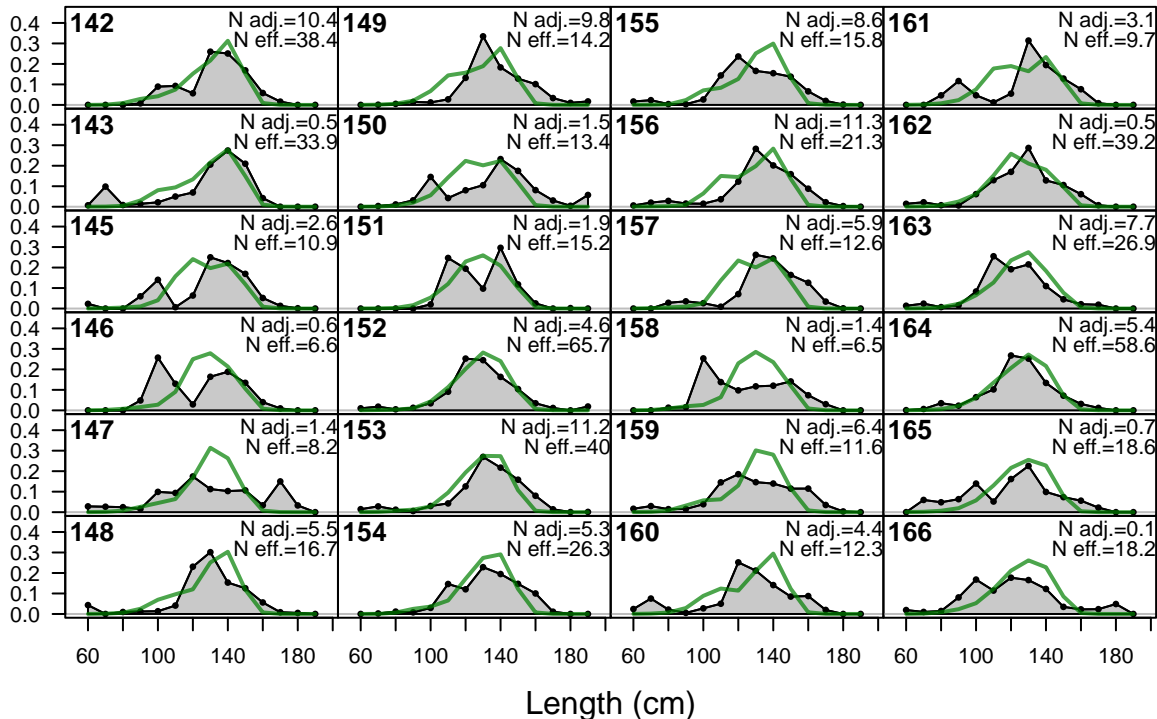
Proportion



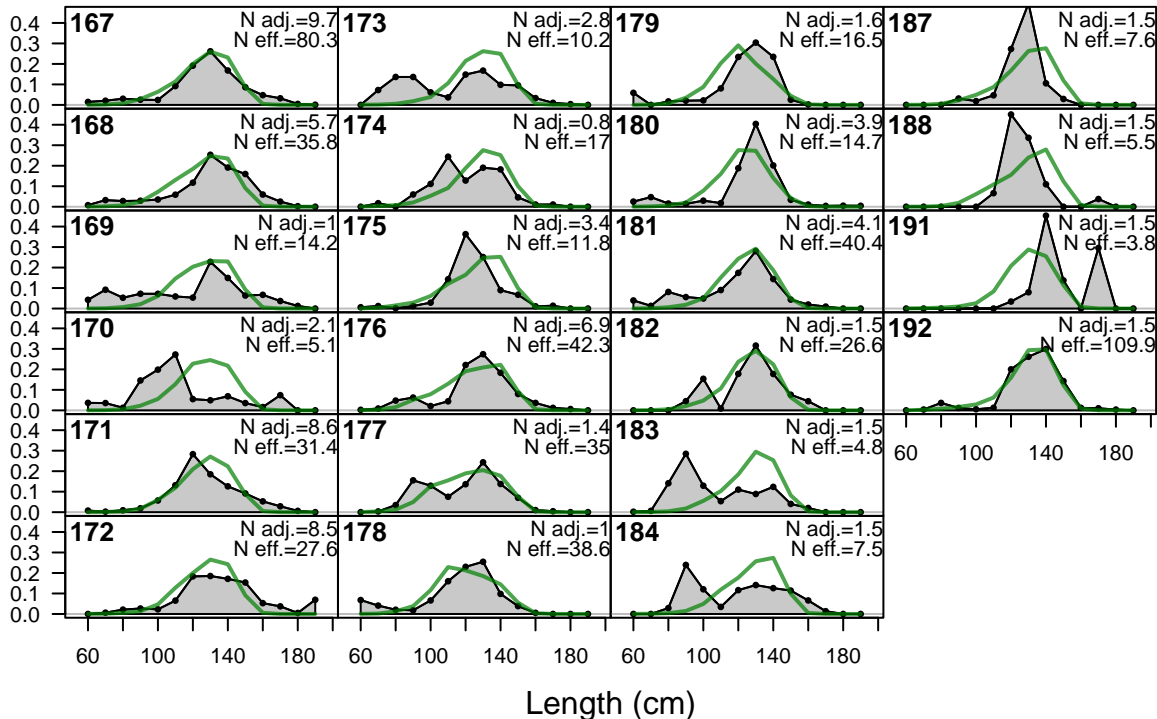
Proportion

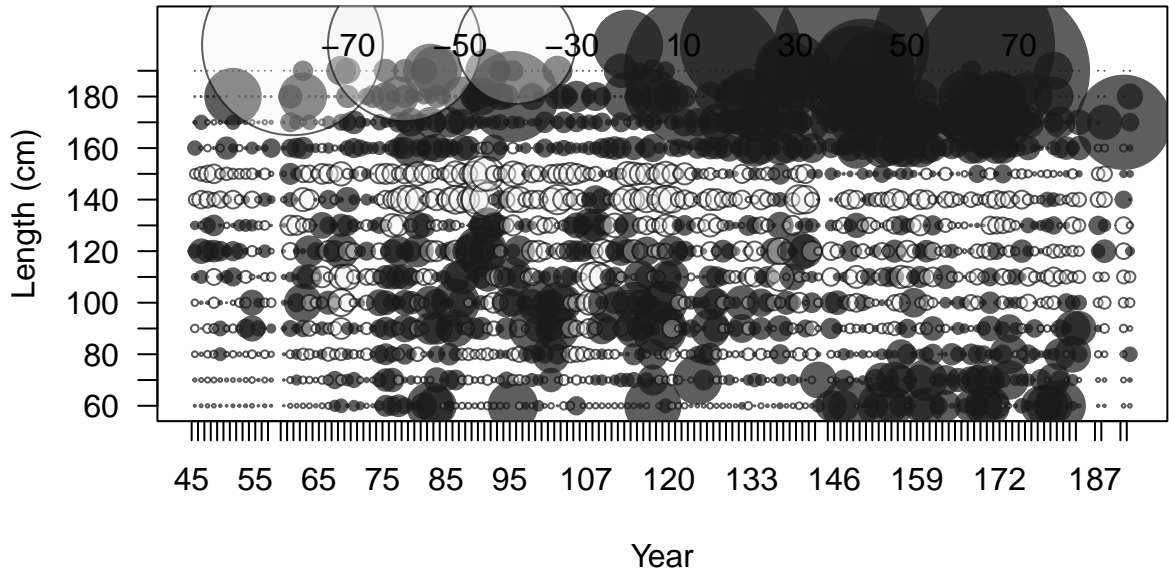


Proportion

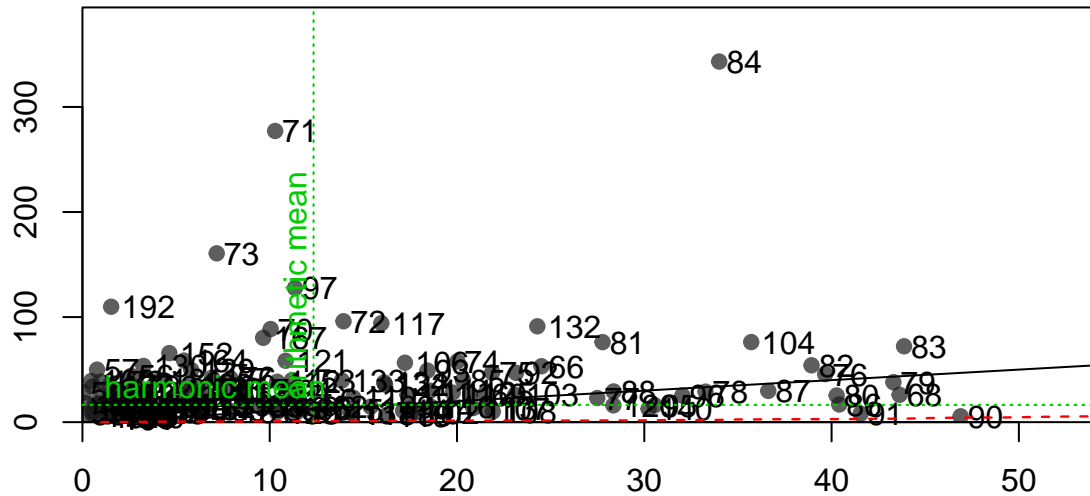


Proportion



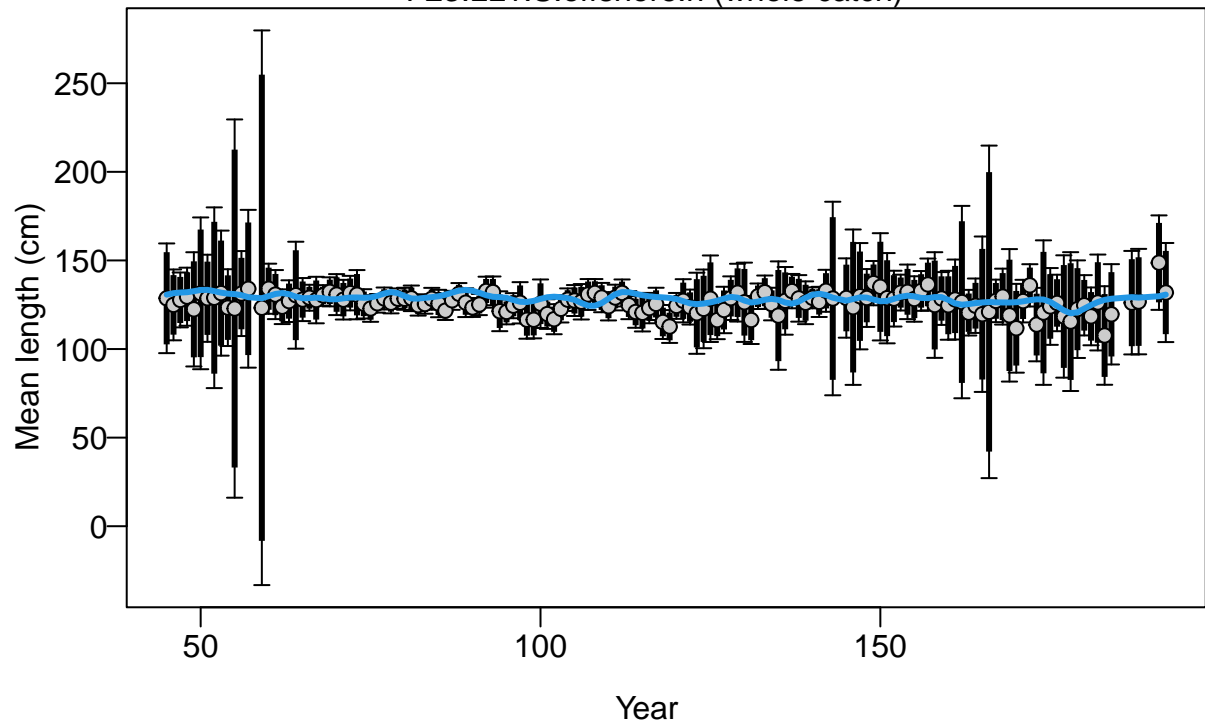


Effective sample size

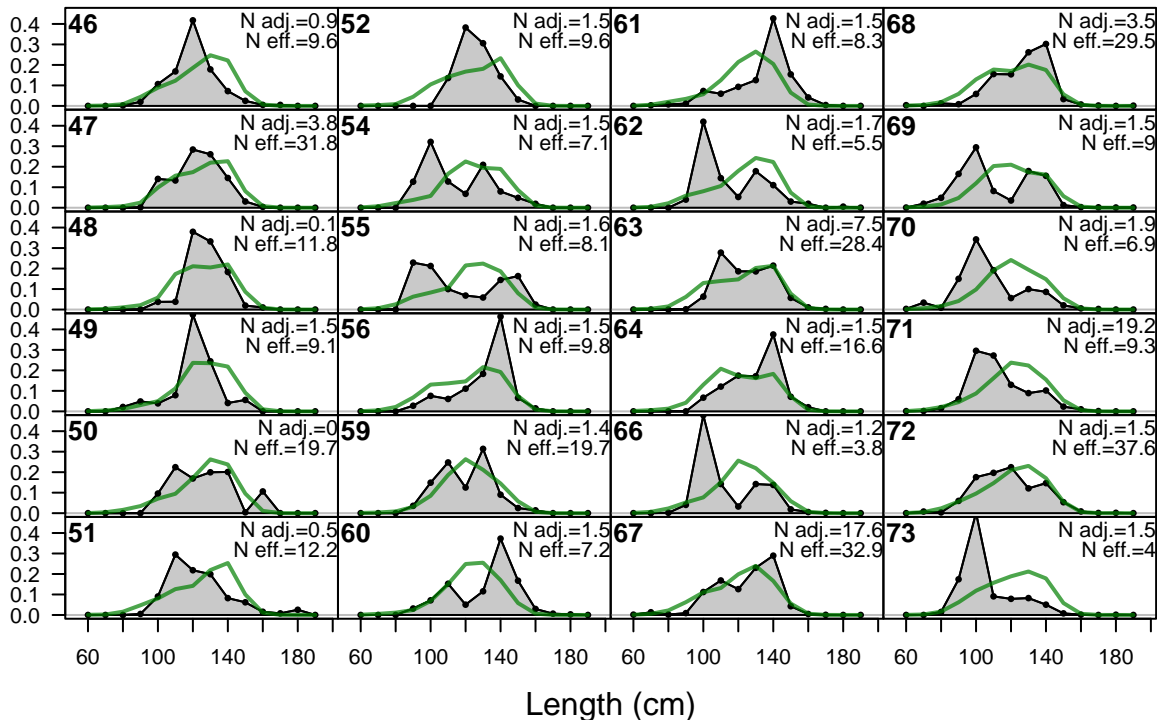


Observed sample size

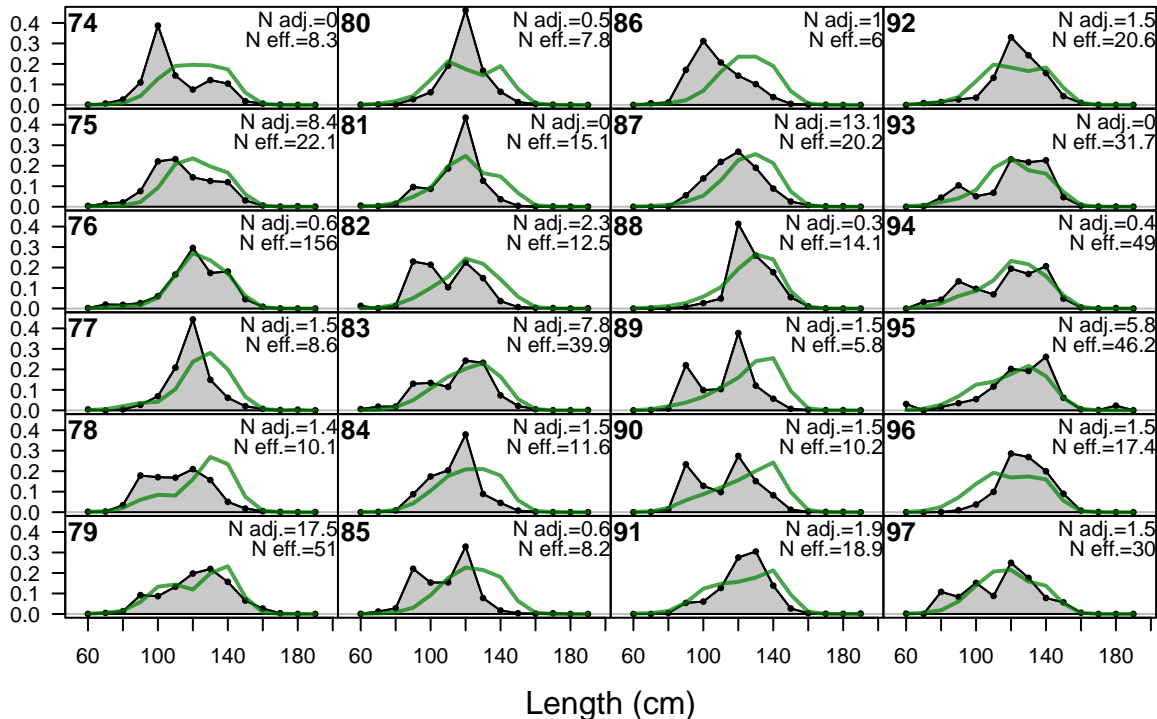
F23.LL1.S.offshore.n (whole catch)



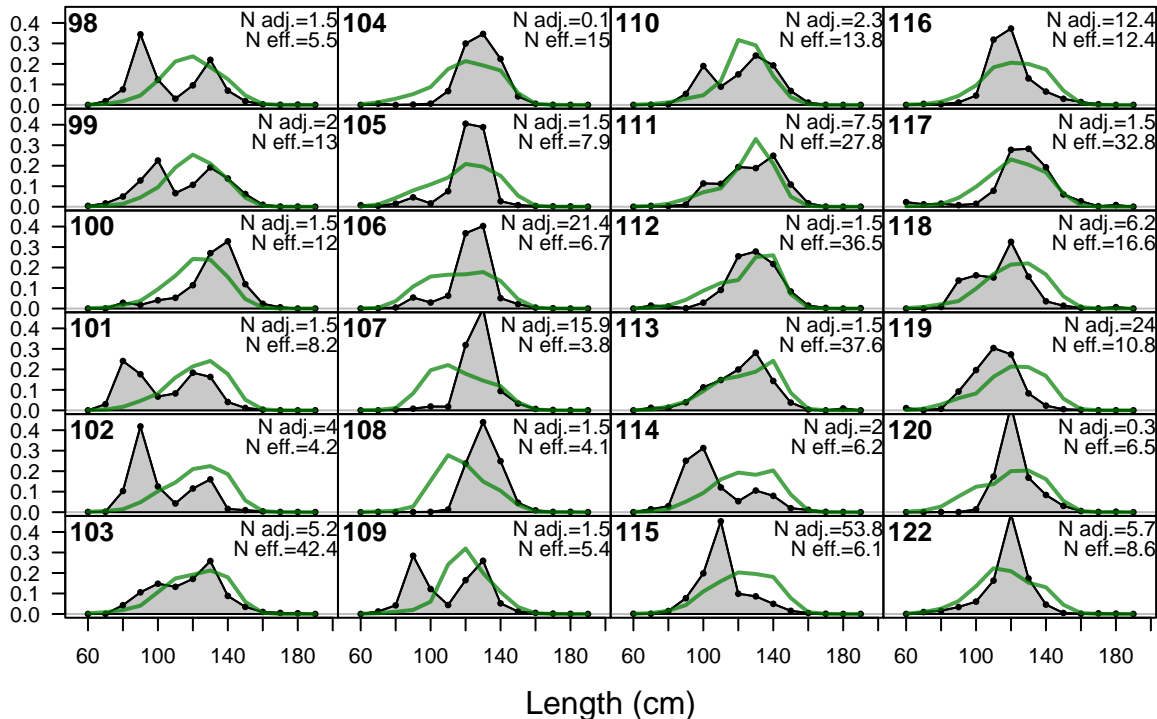
Proportion



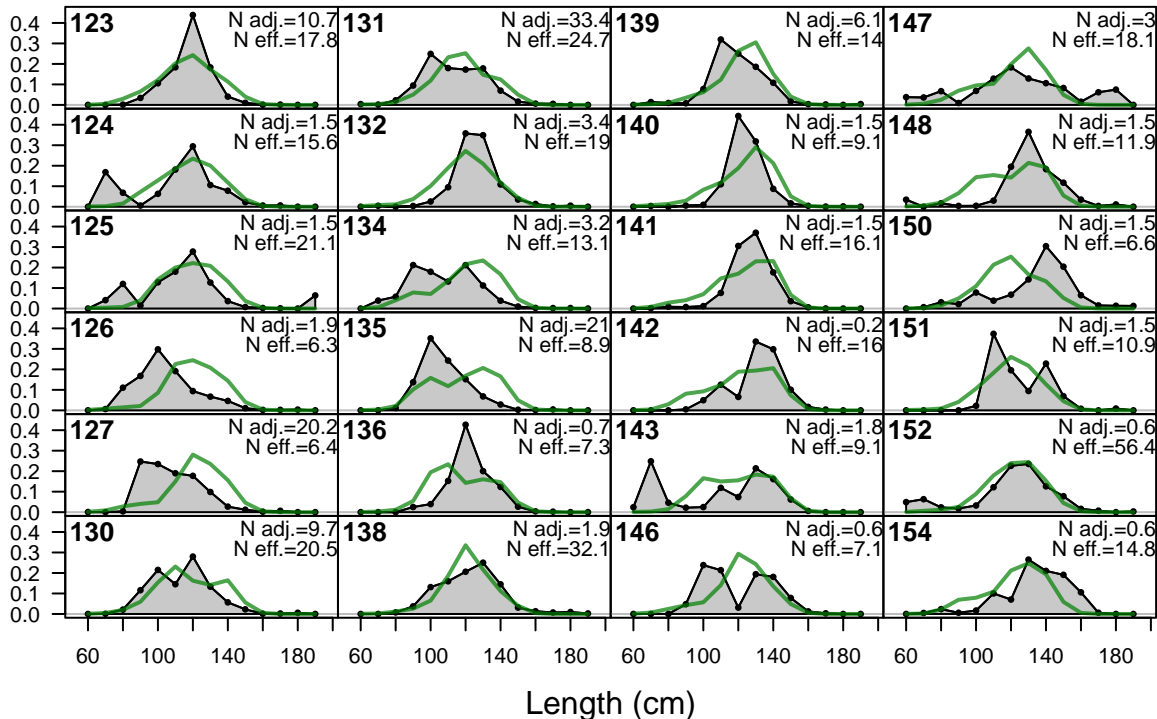
Proportion



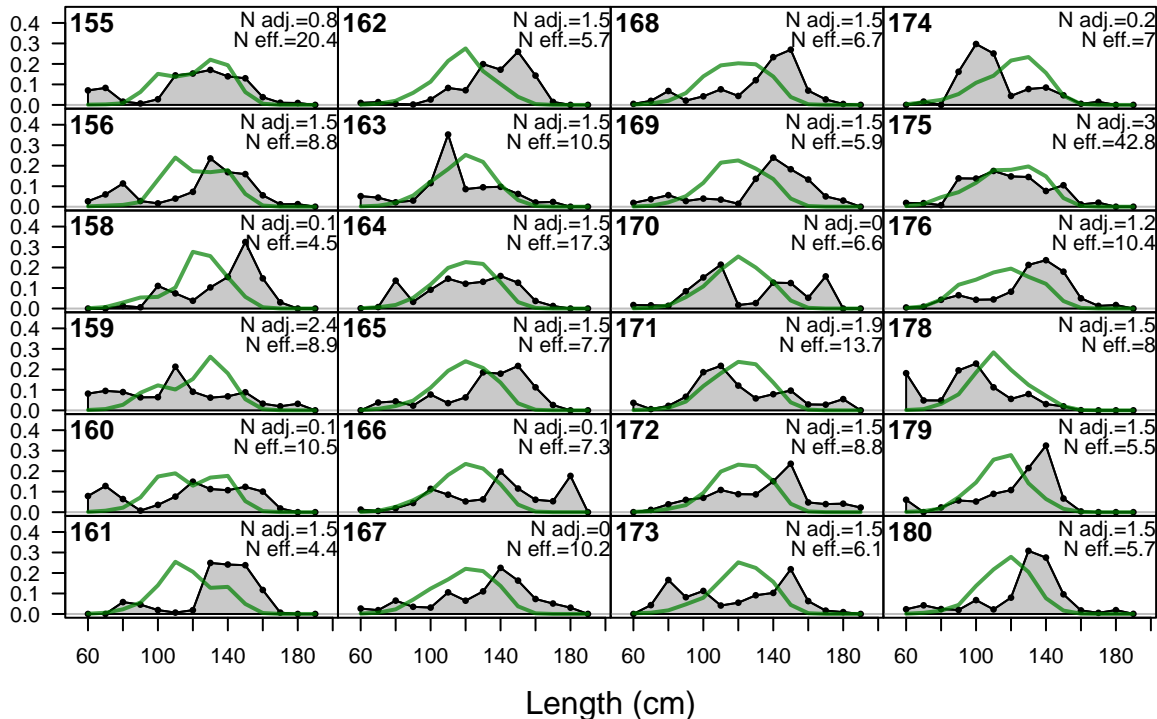
Proportion



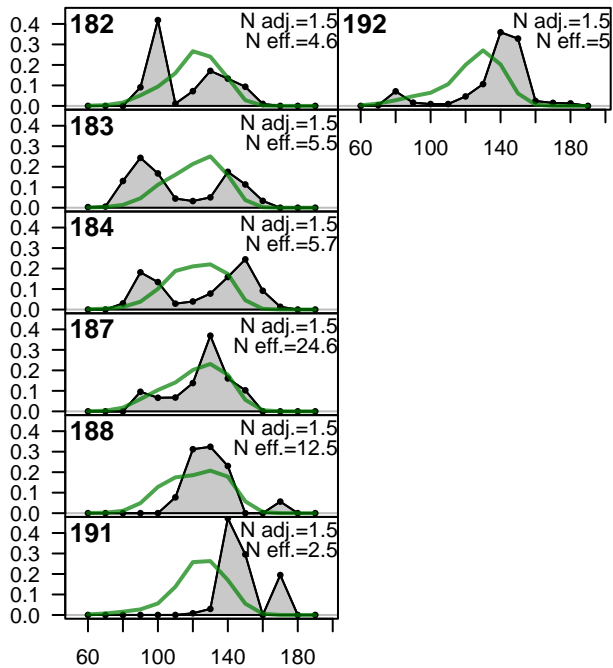
Proportion



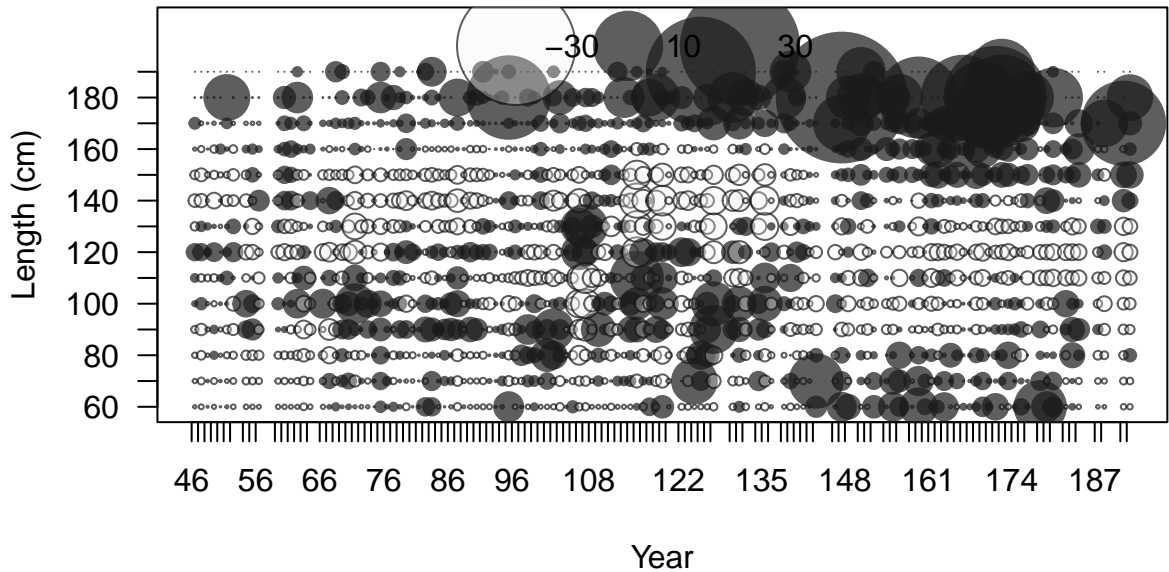
Proportion



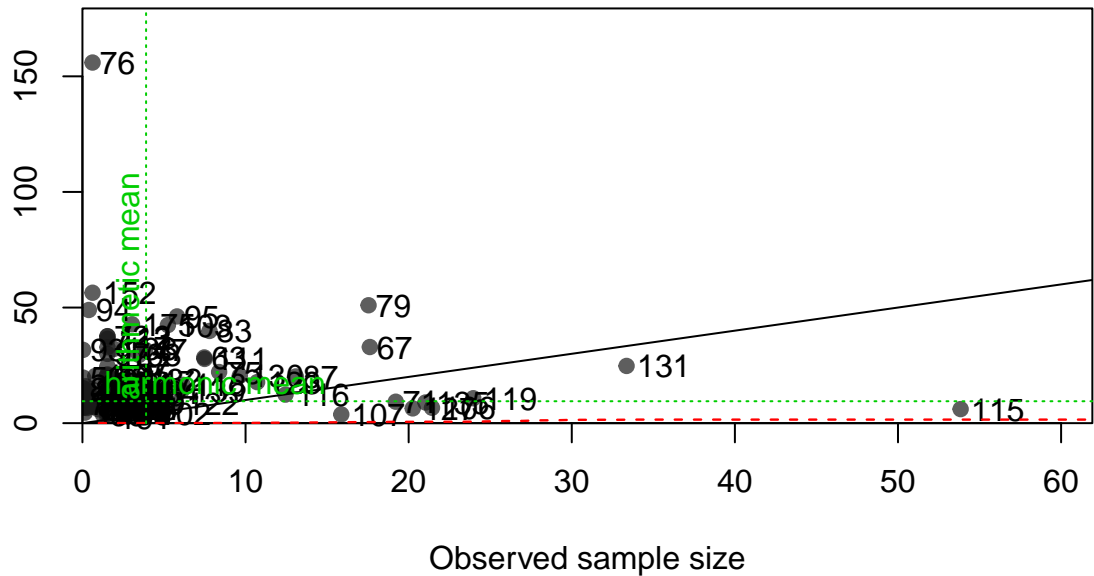
Proportion



Length (cm)

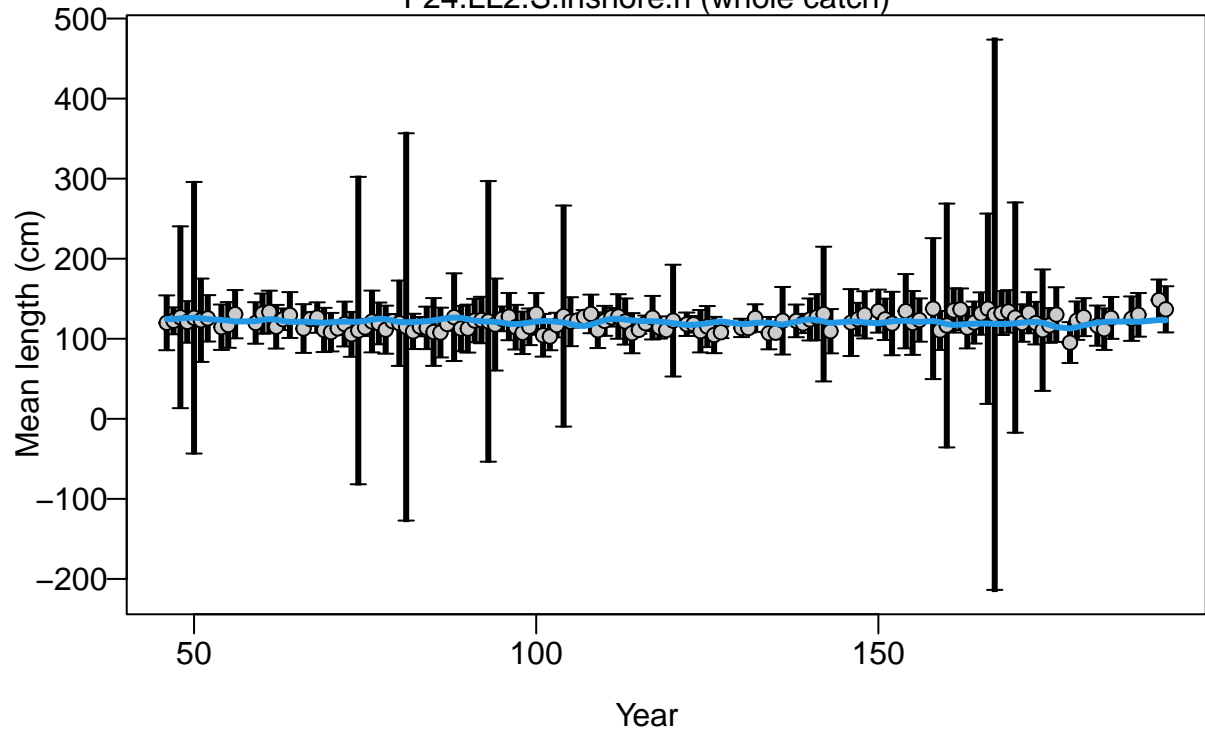


Effective sample size

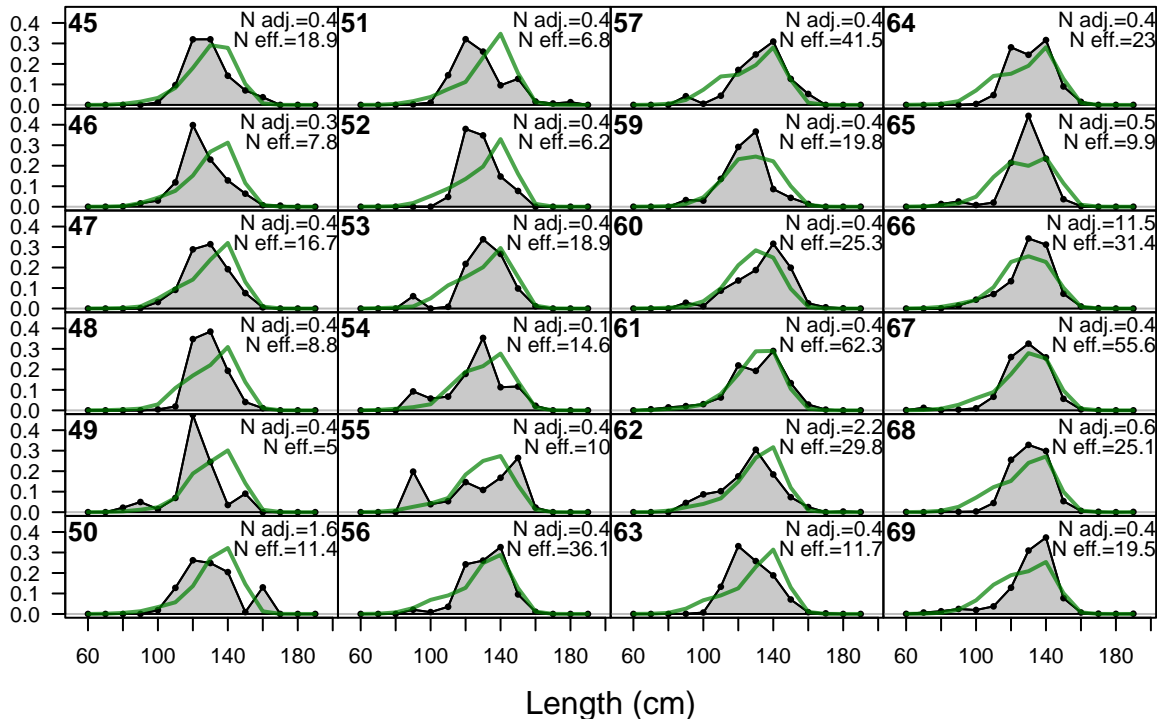


Observed sample size

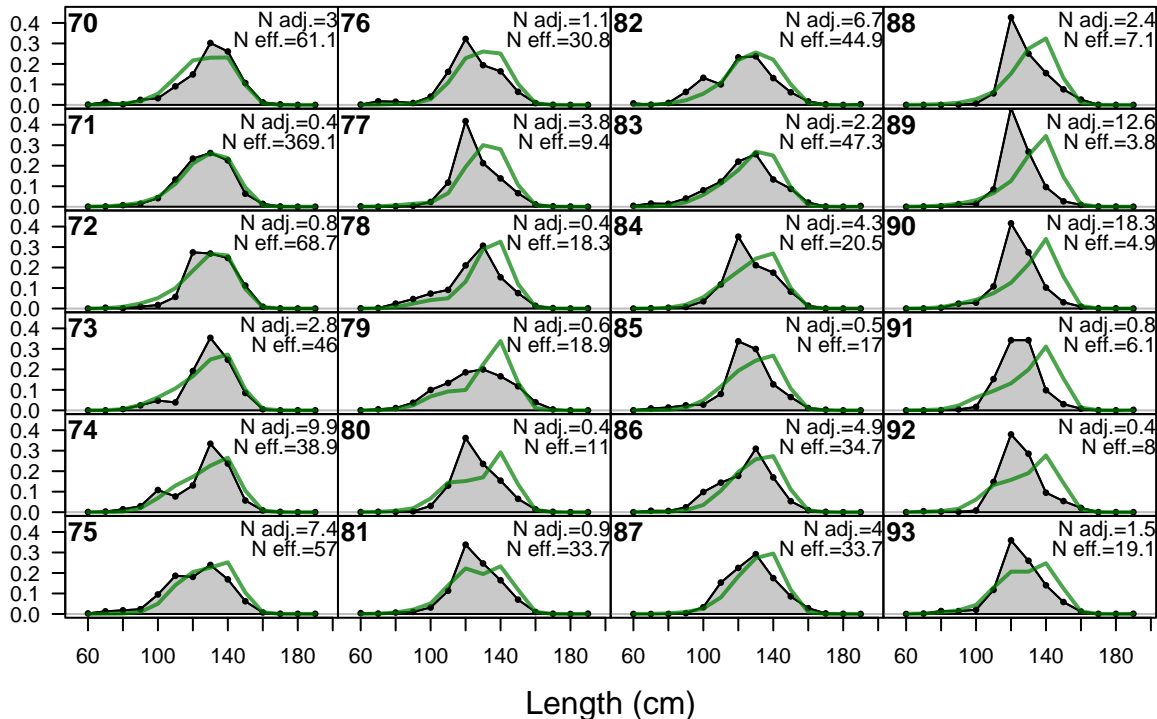
F24.LL2.S.inshore.n (whole catch)



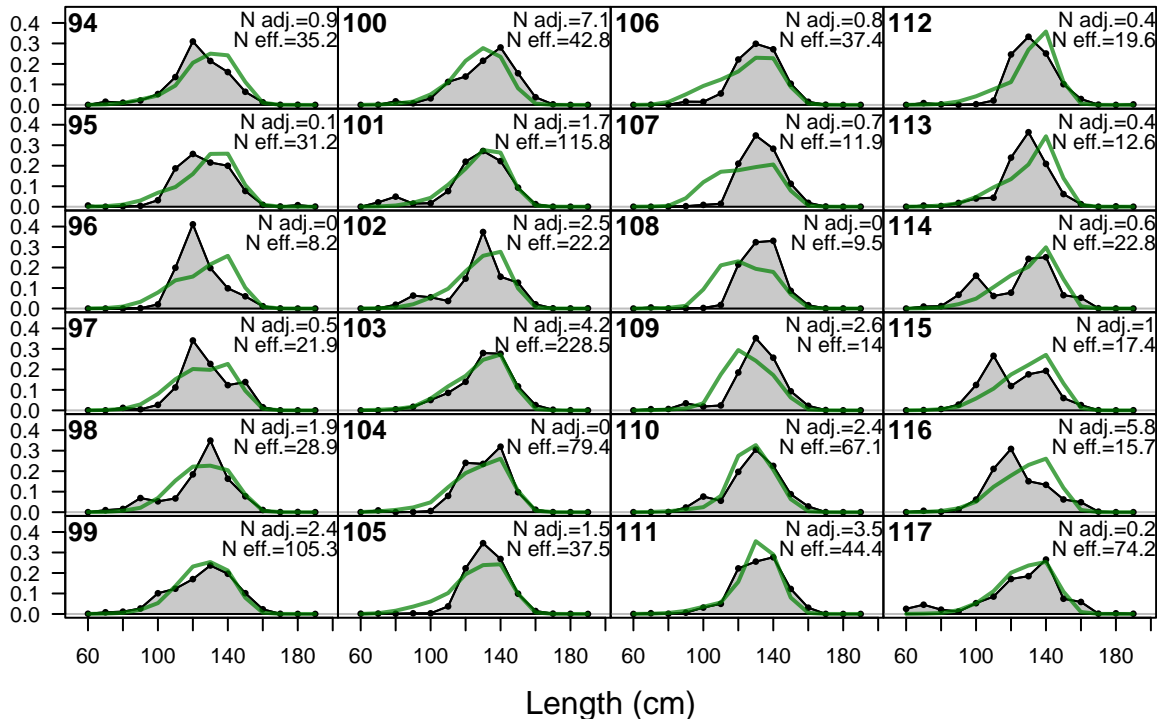
Proportion



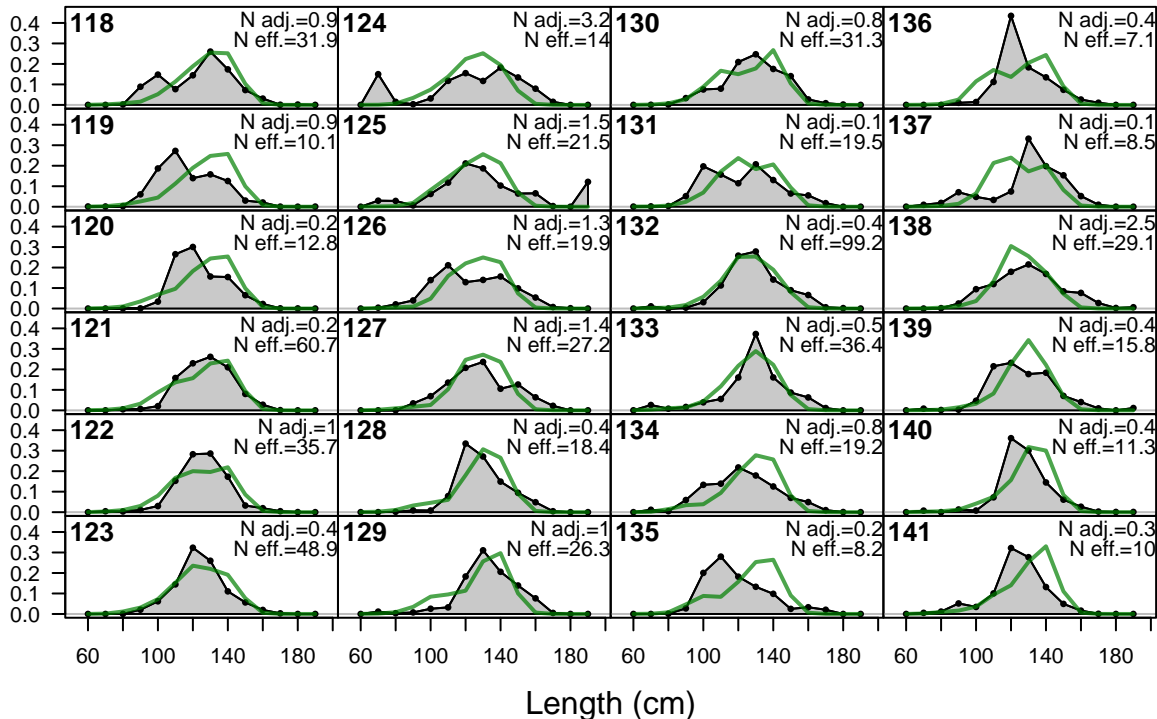
Proportion



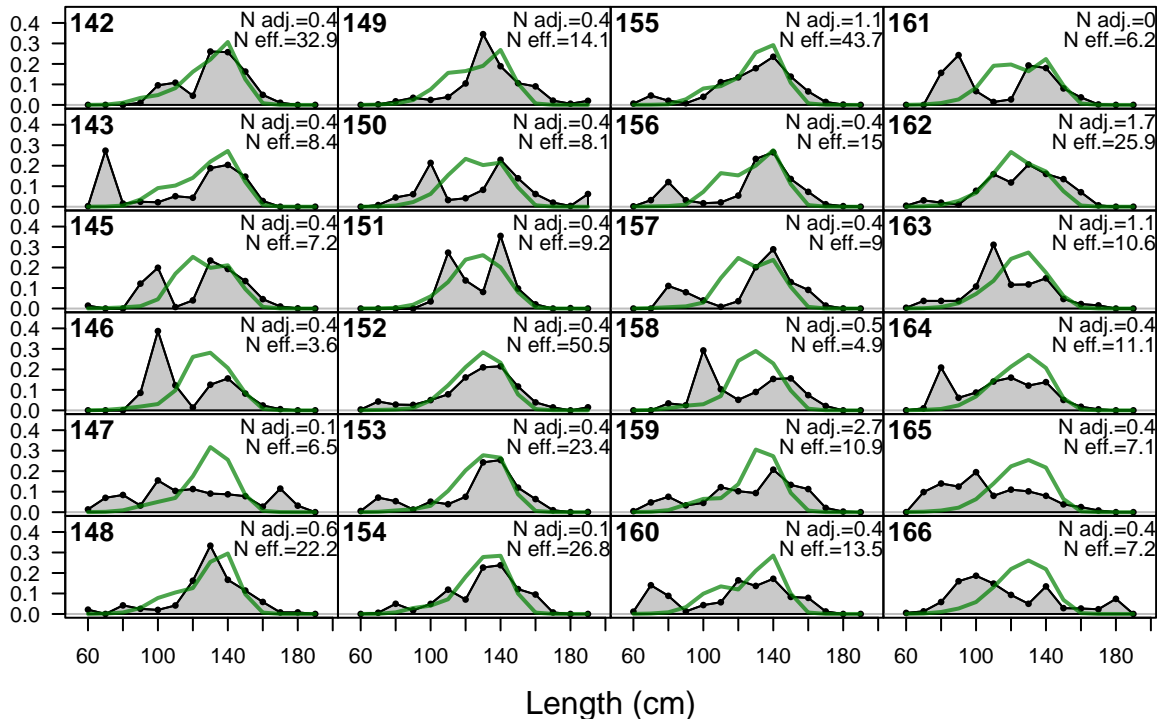
Proportion



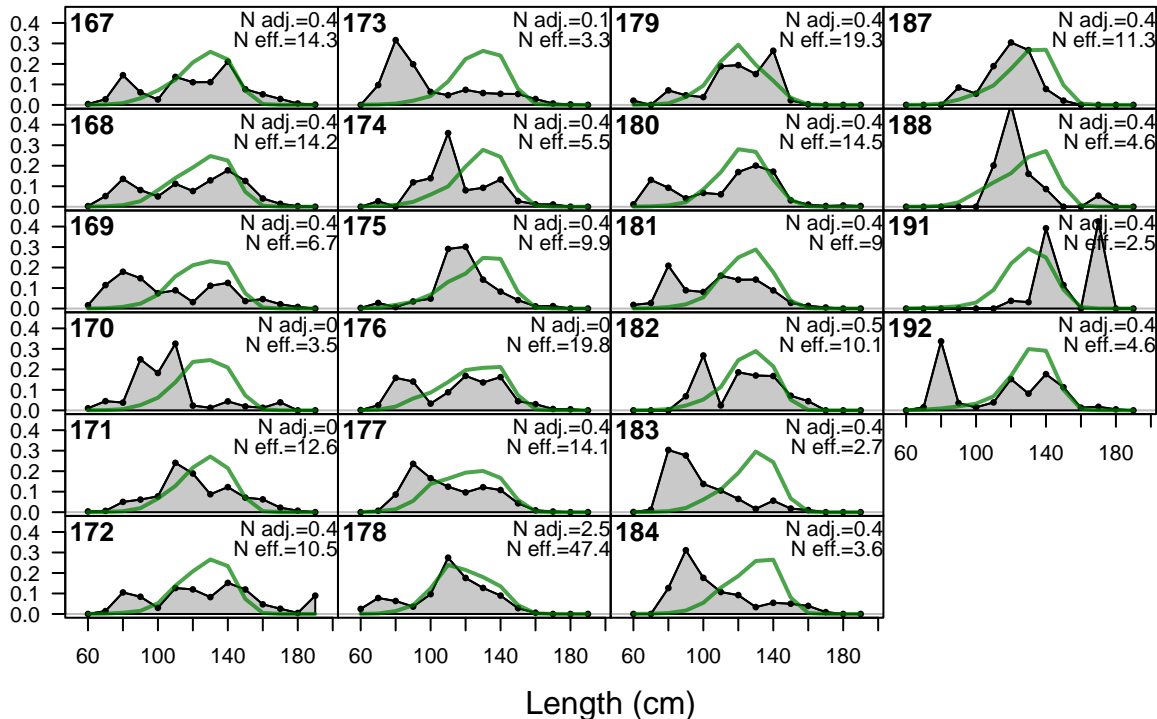
Proportion

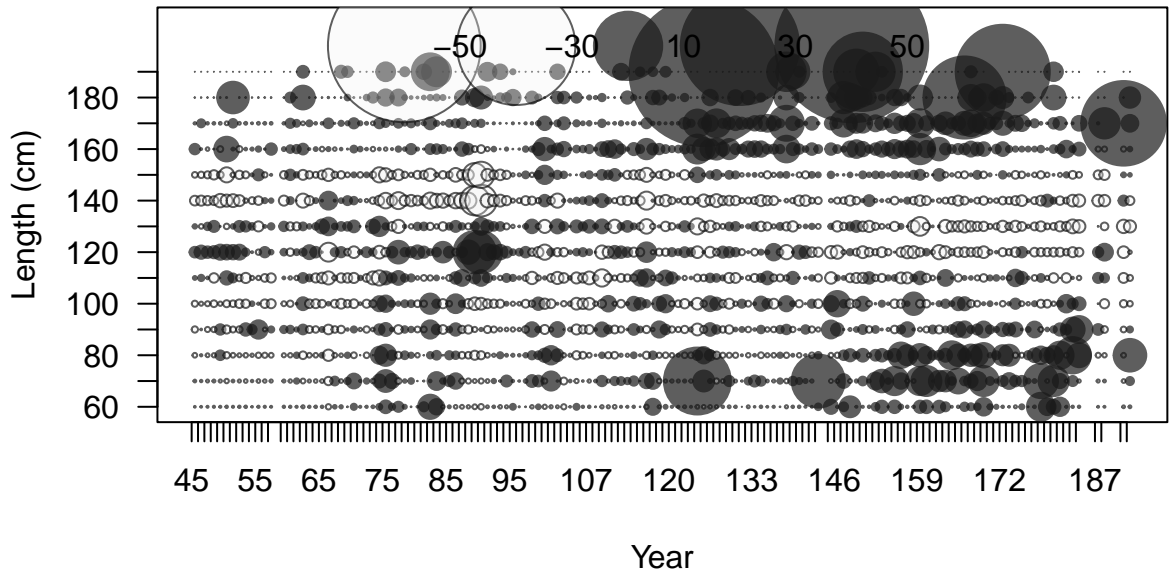


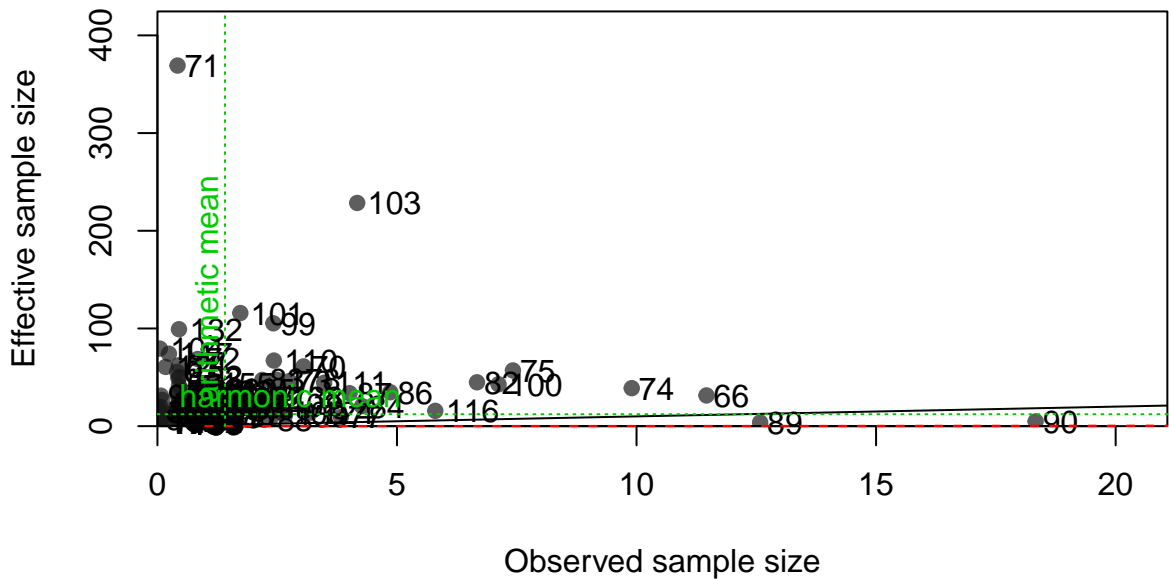
Proportion



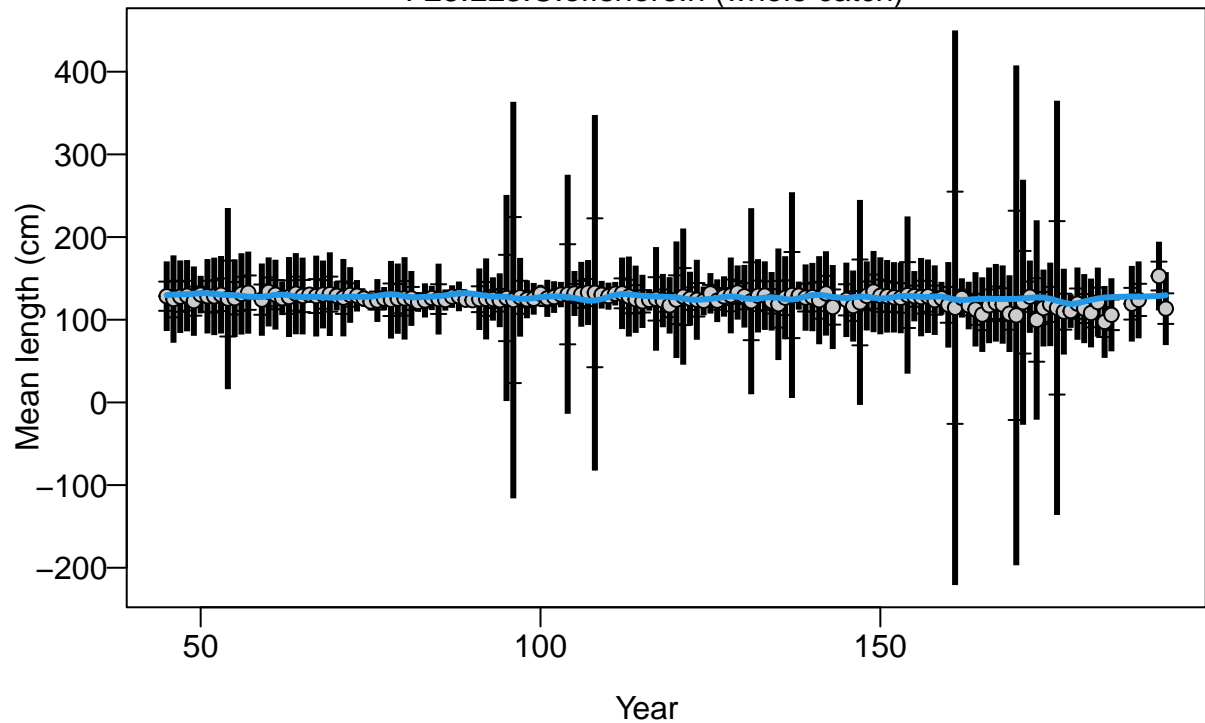
Proportion



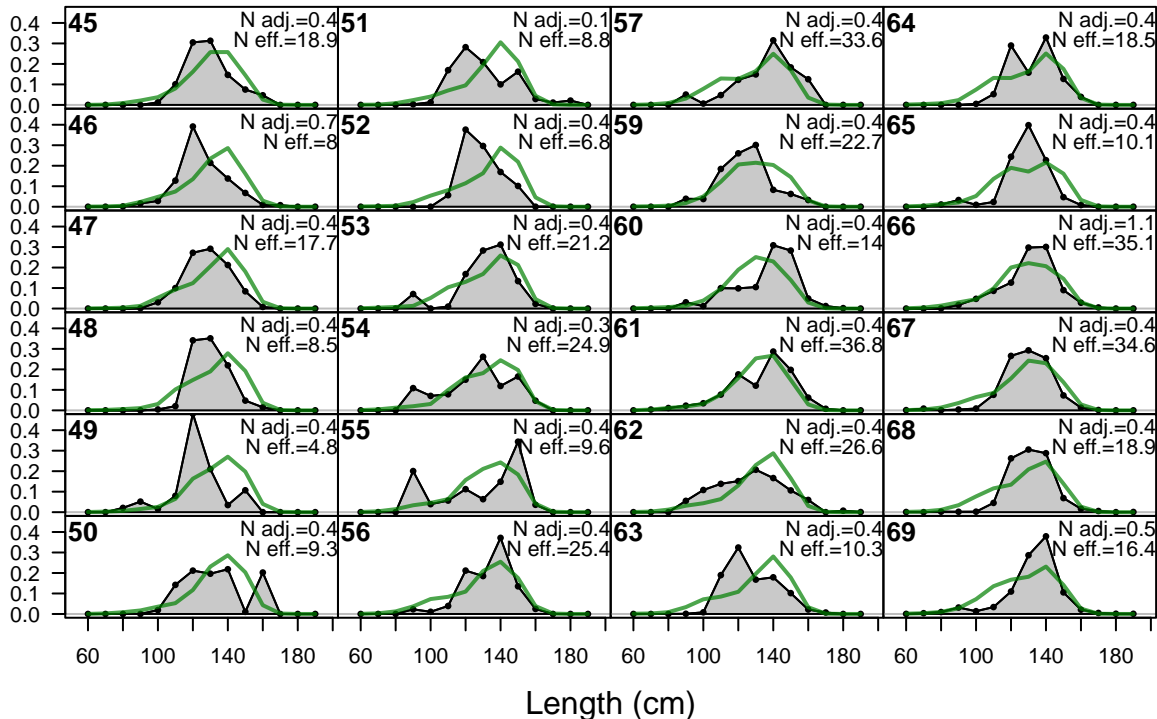




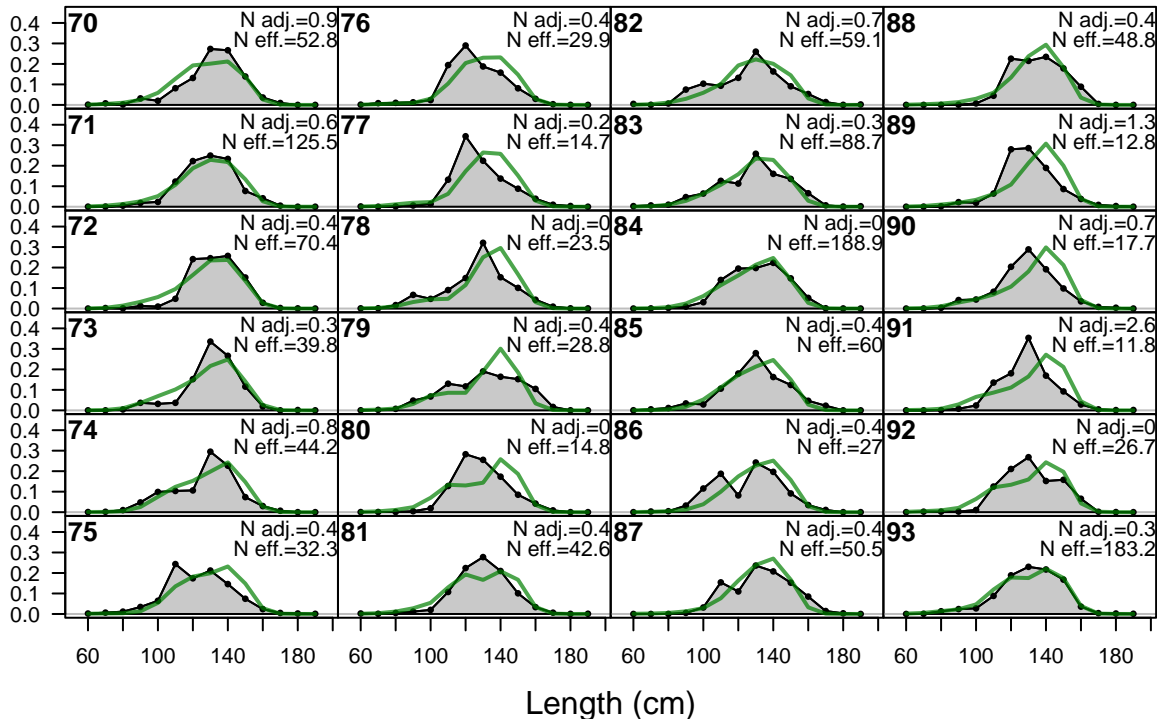
F25.LL3.C.offshore.n (whole catch)



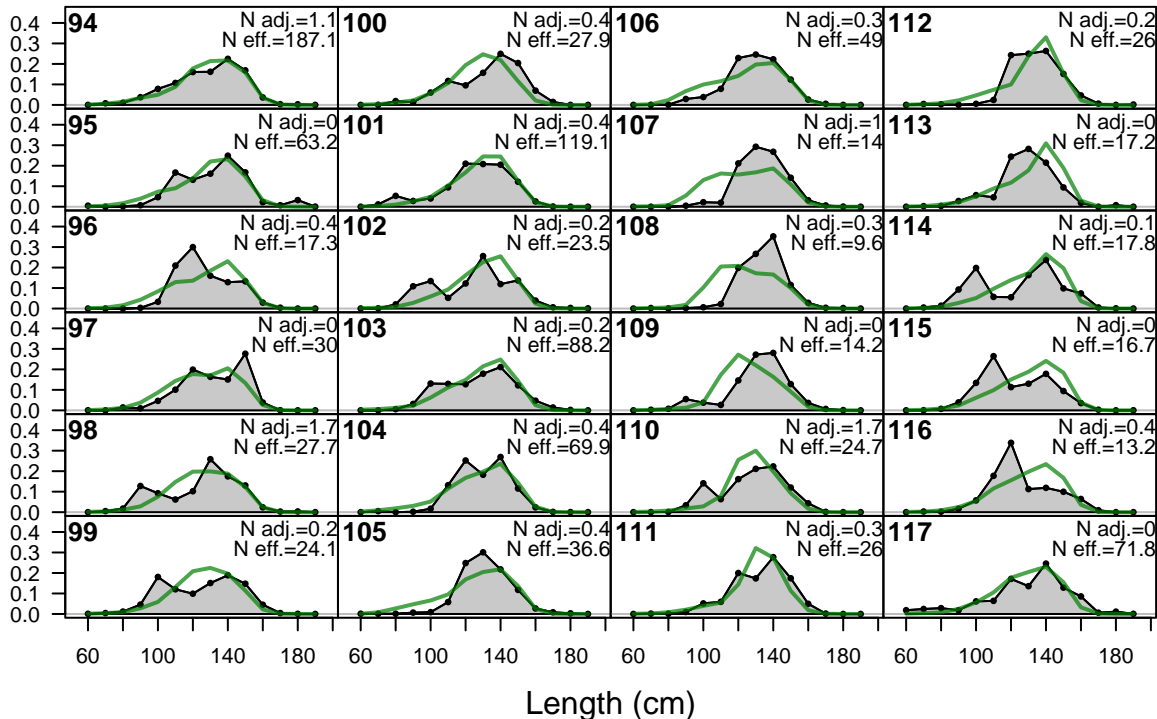
Proportion



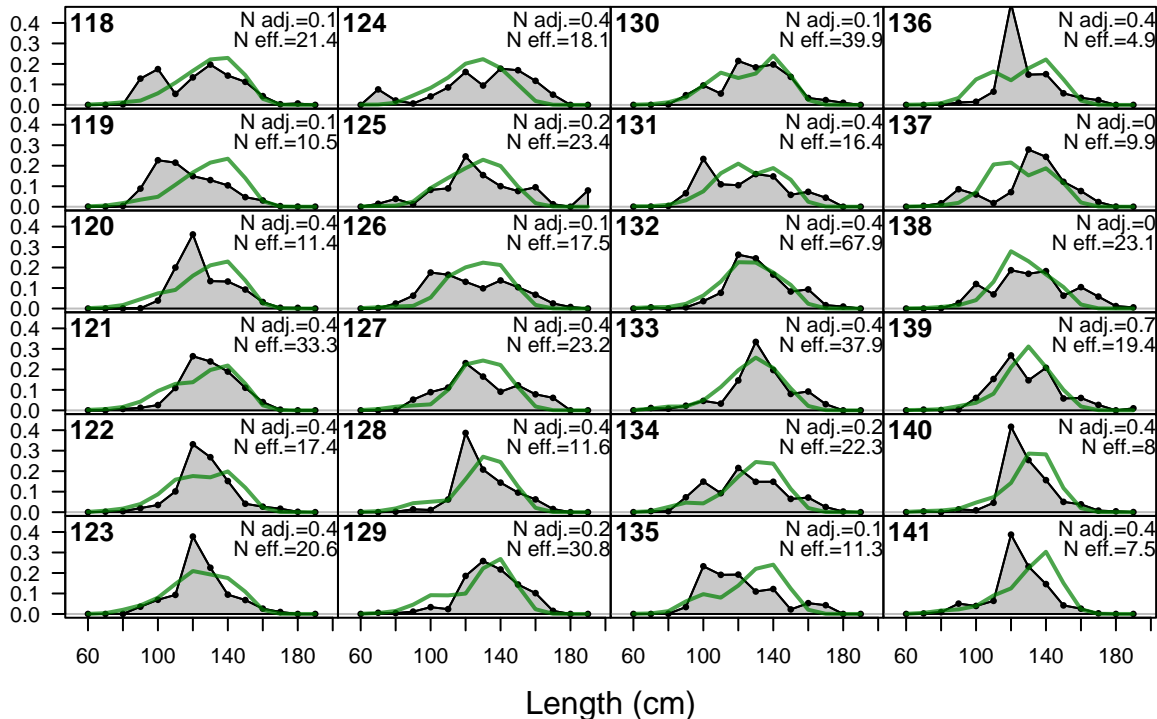
Proportion



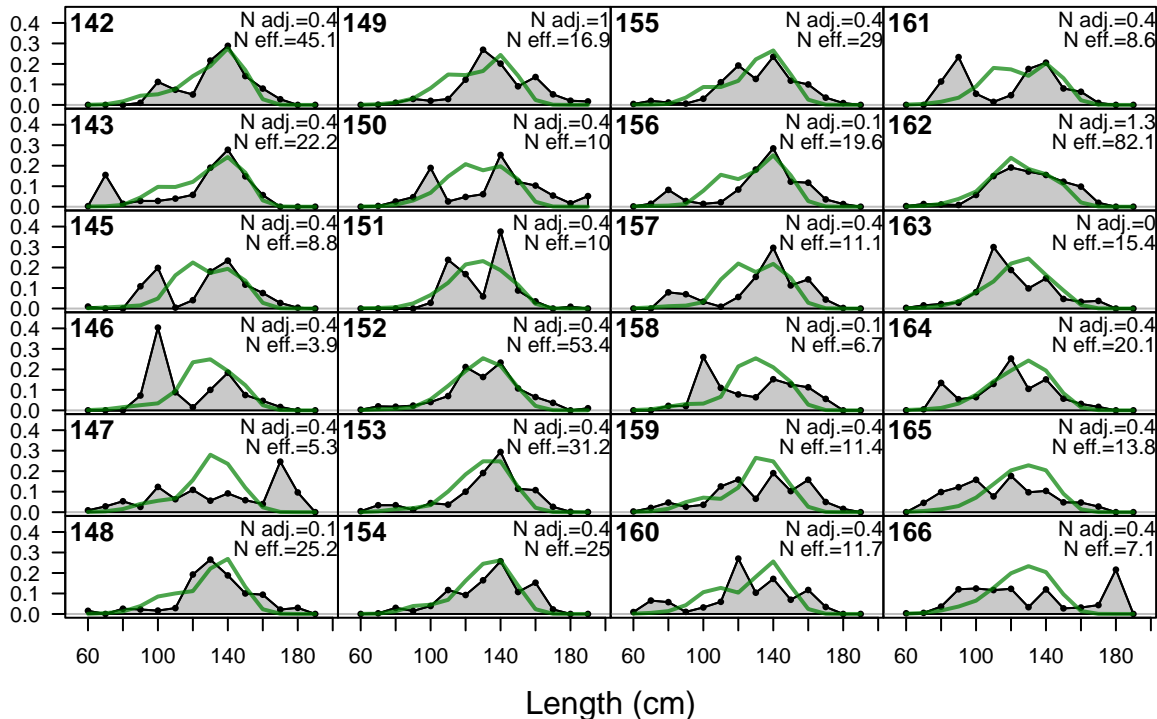
Proportion



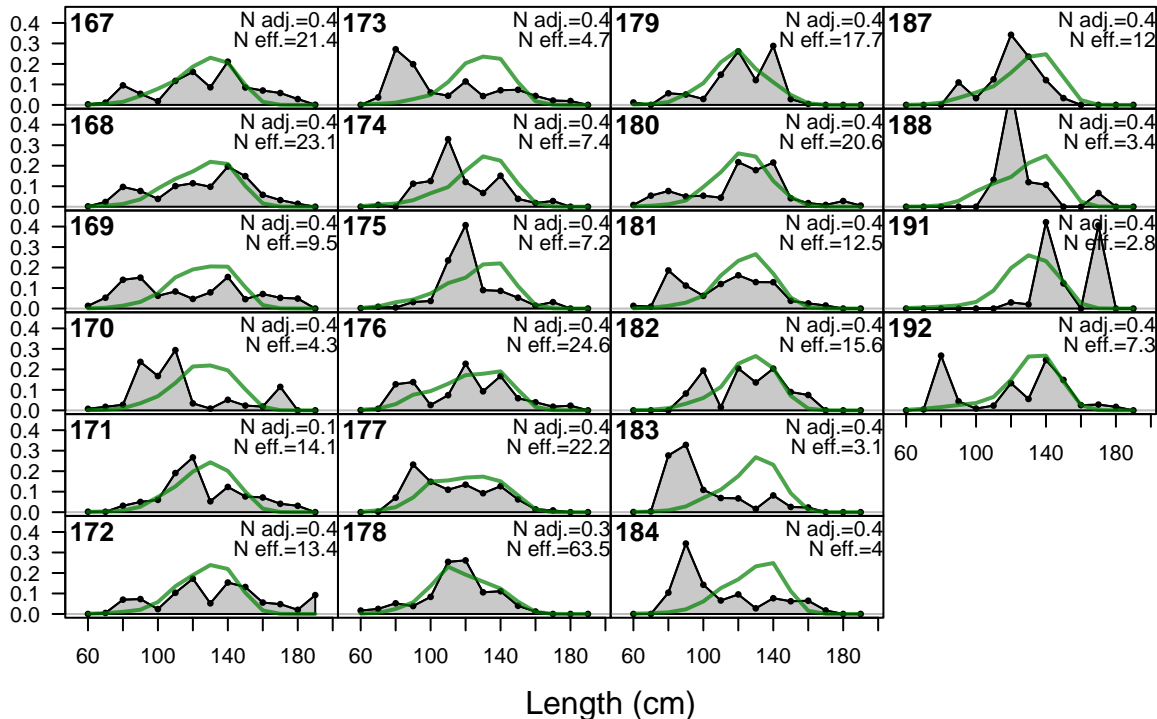
Proportion

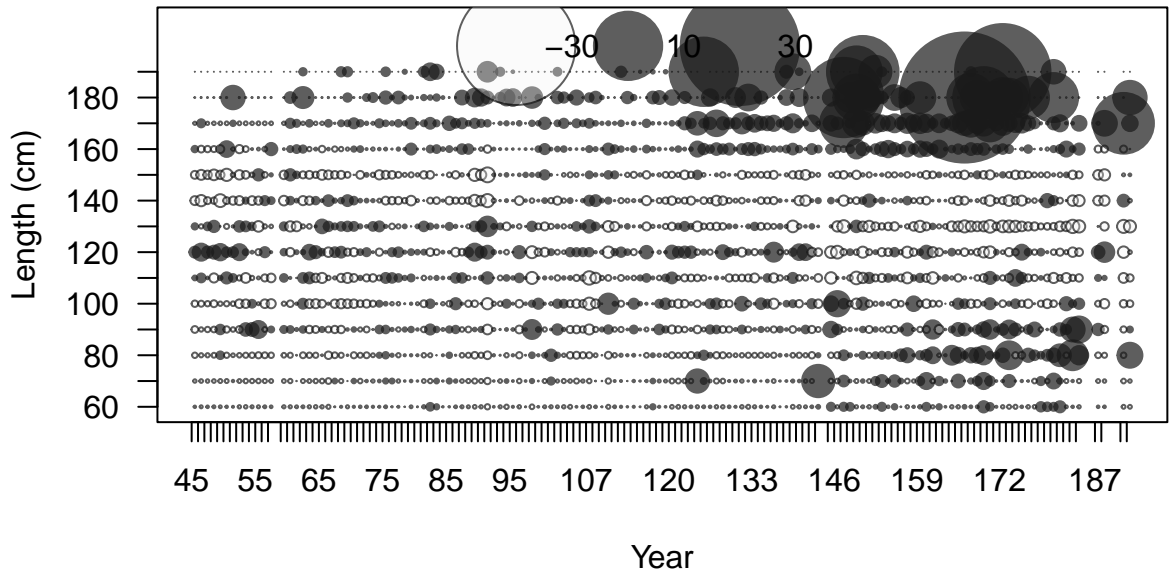


Proportion

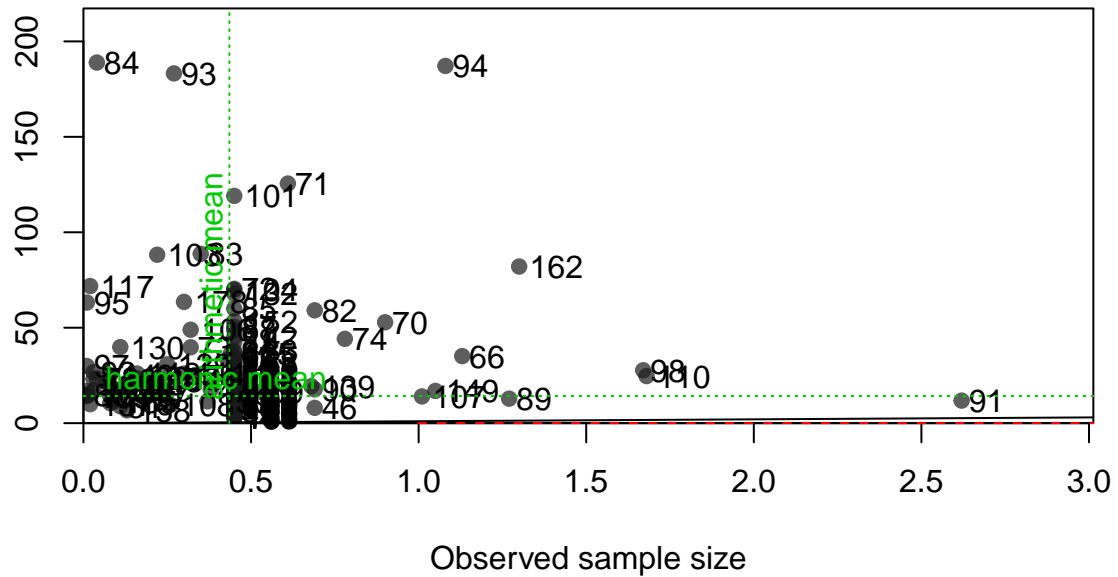


Proportion





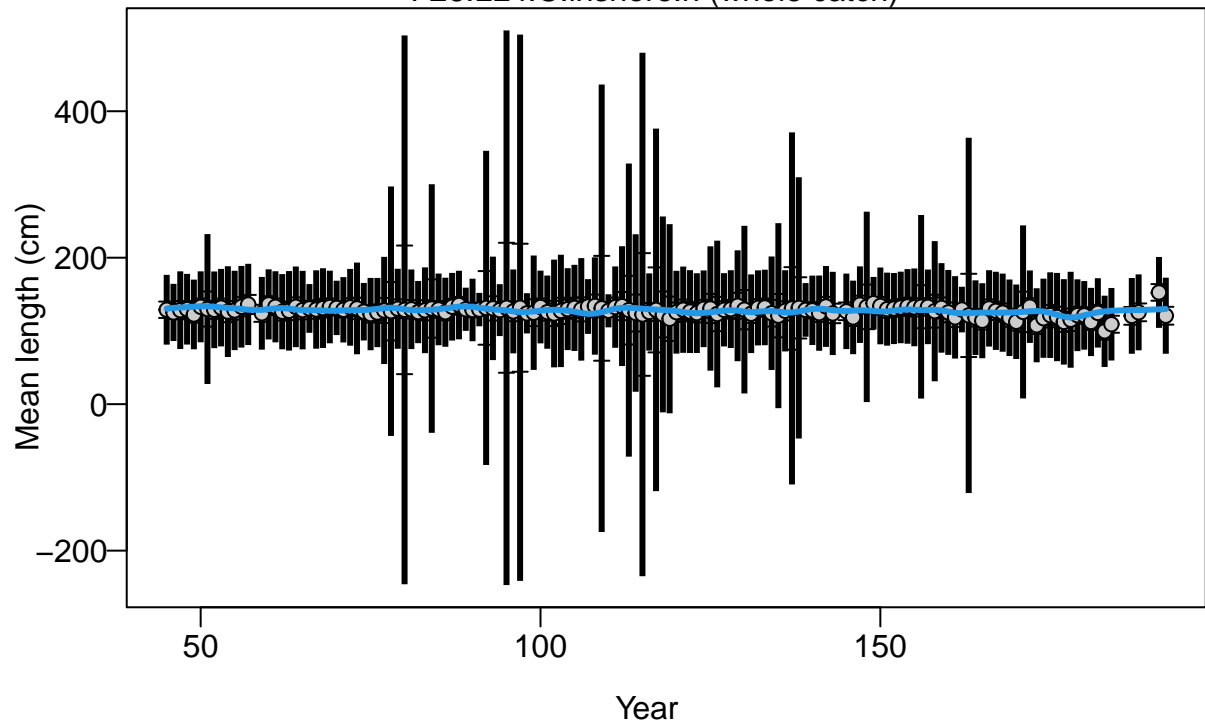
Effective sample size



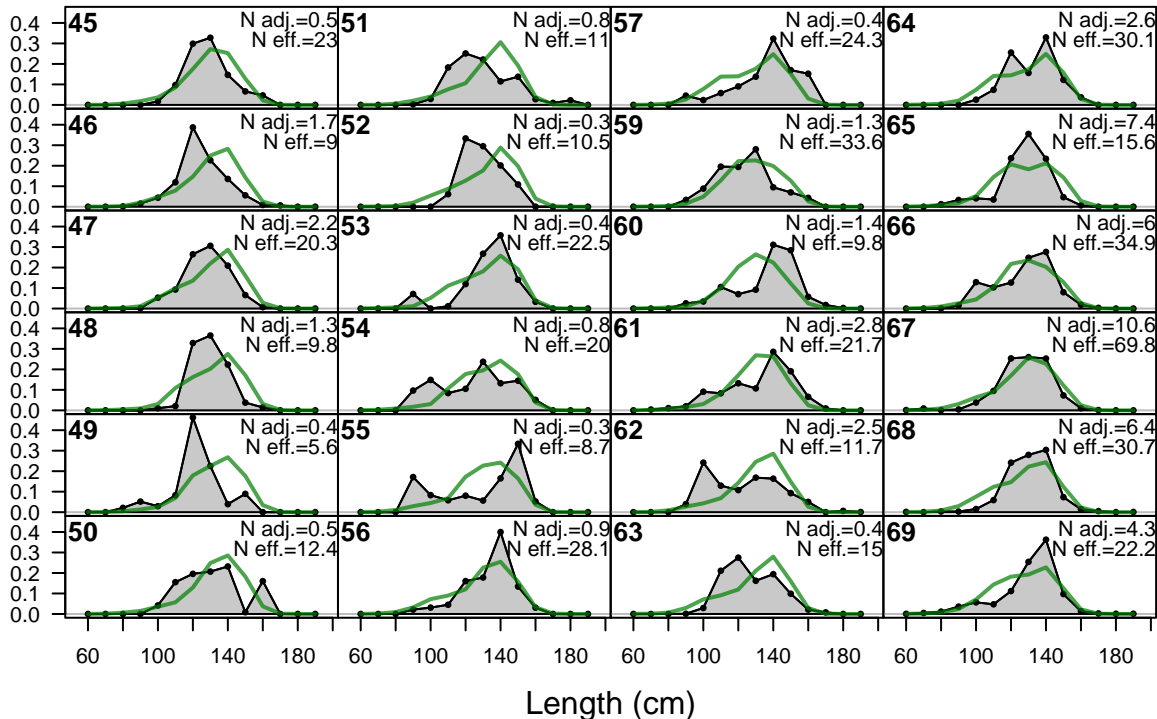
arithmetic mean

harmonic mean

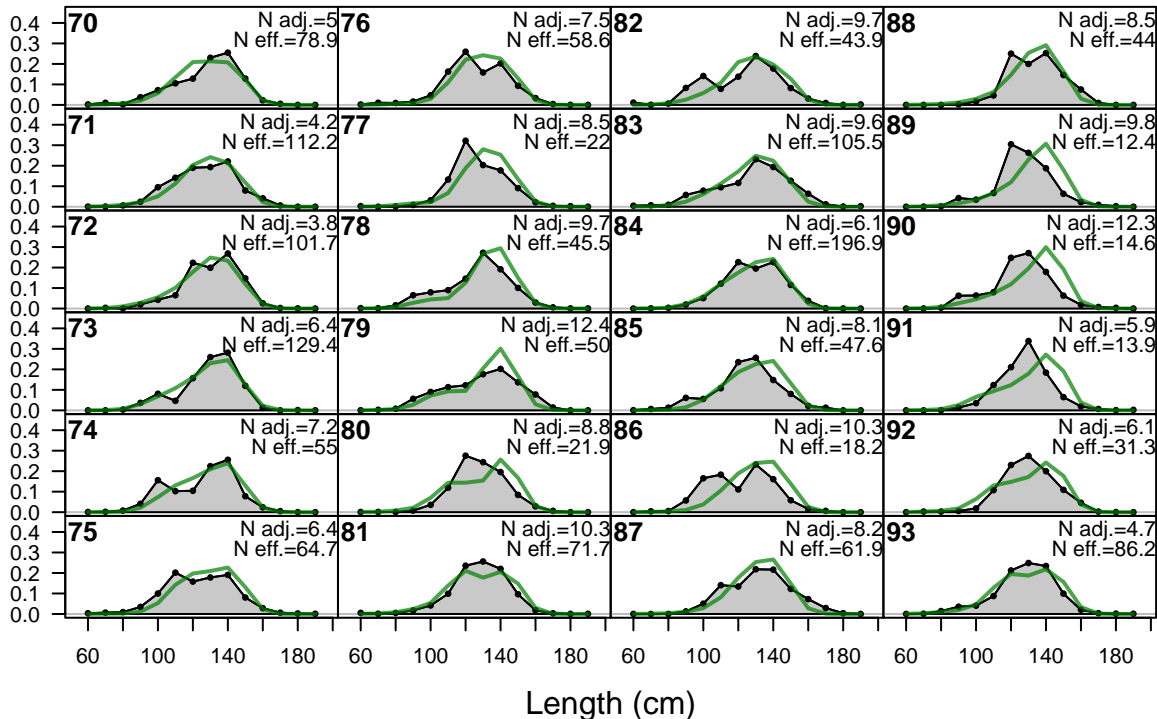
F26.LL4.C.inshore.n (whole catch)



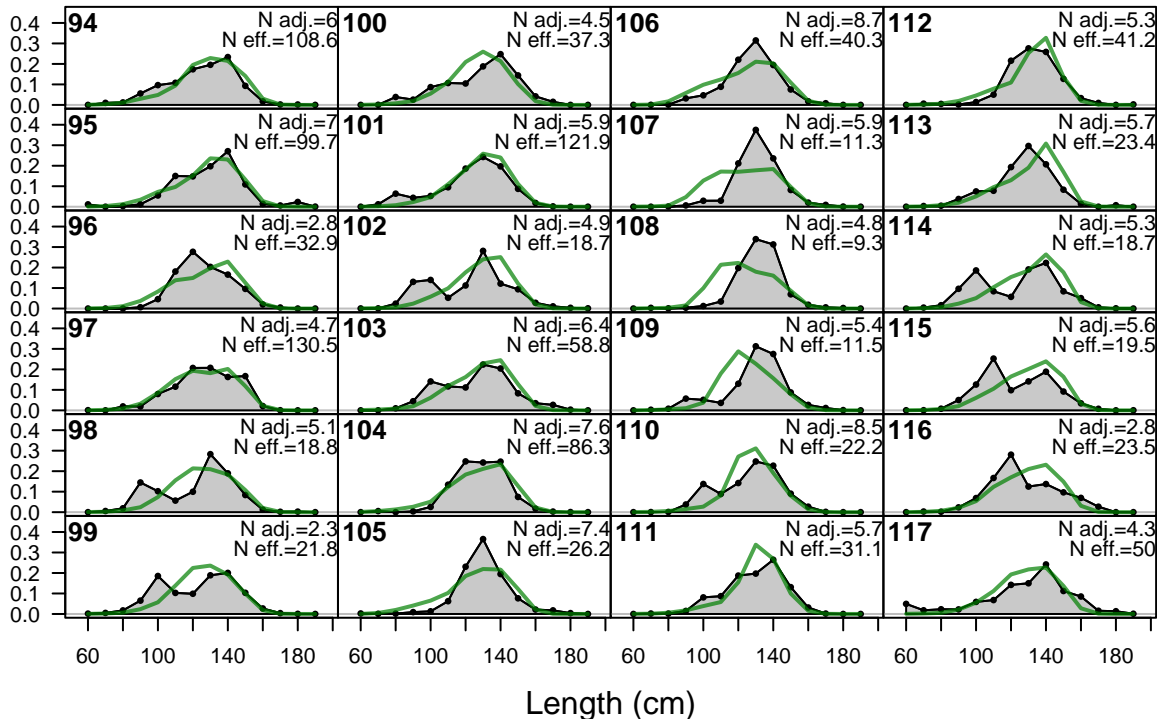
Proportion



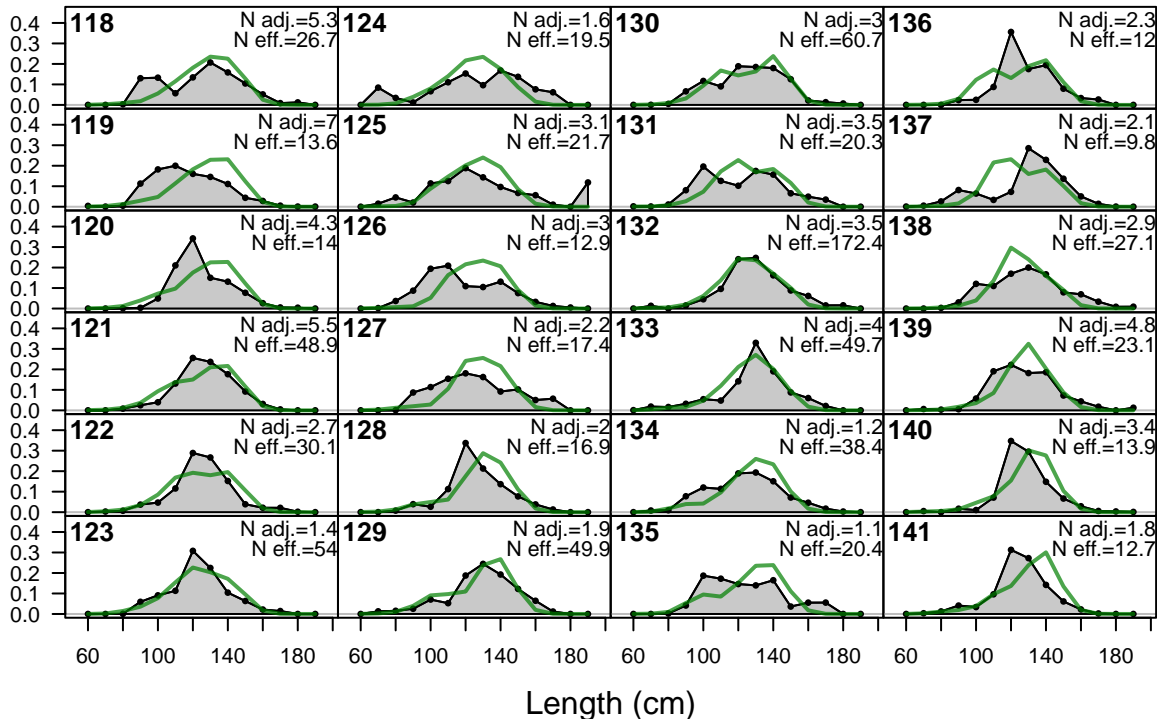
Proportion



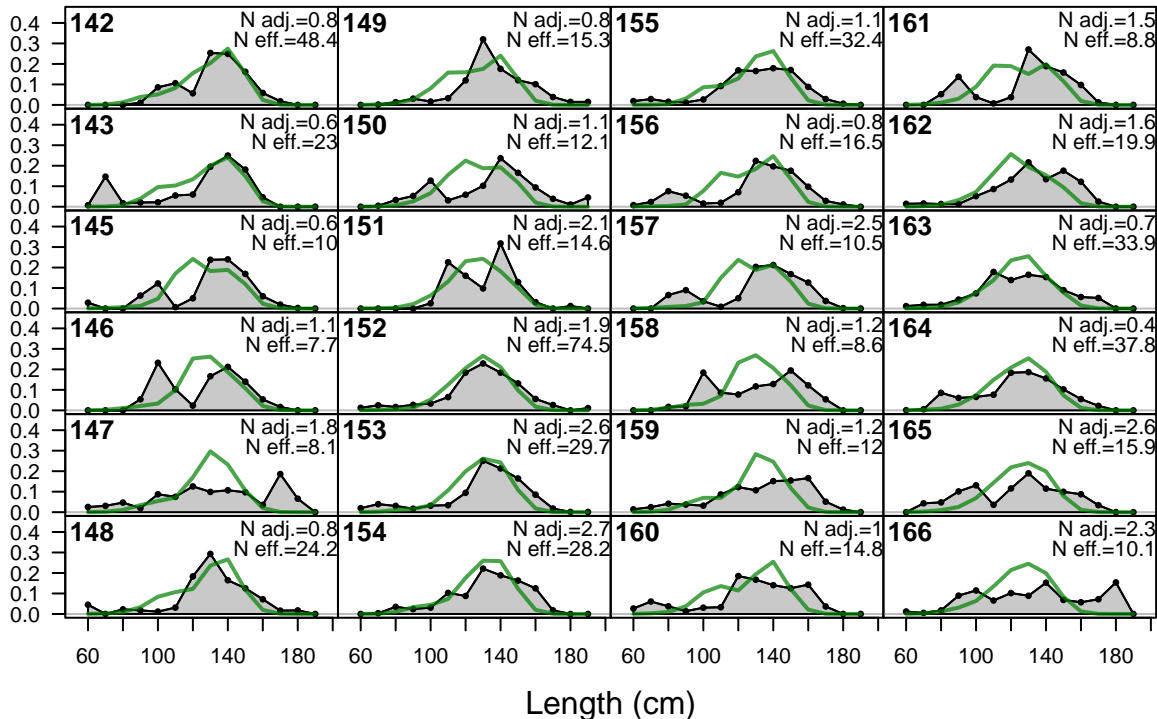
Proportion



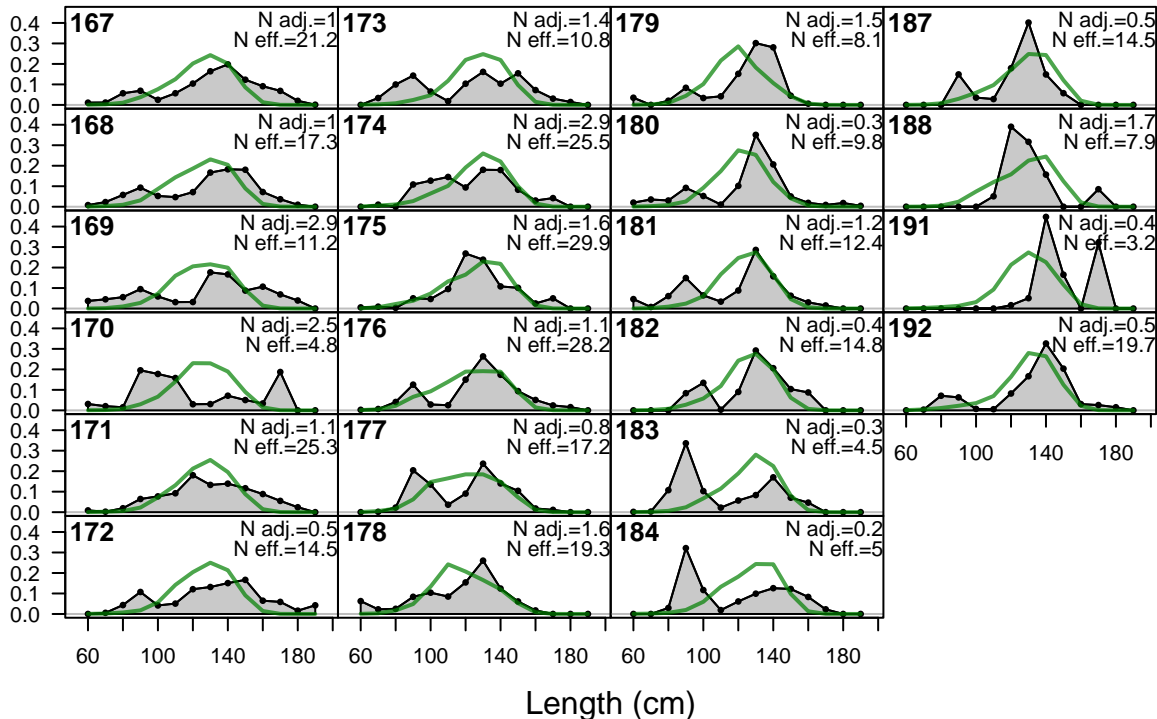
Proportion

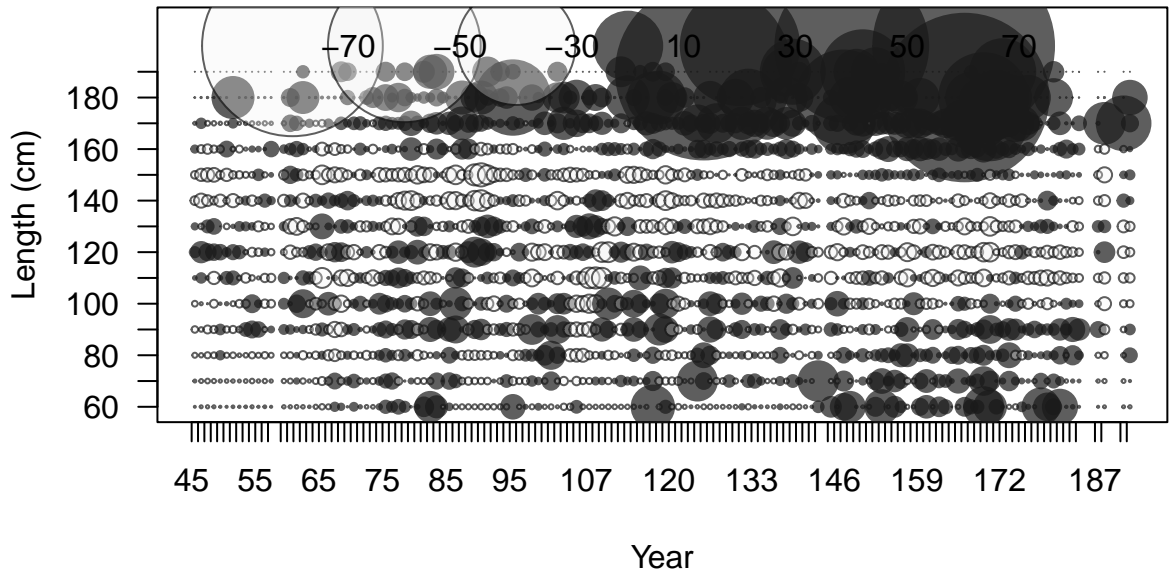


Proportion

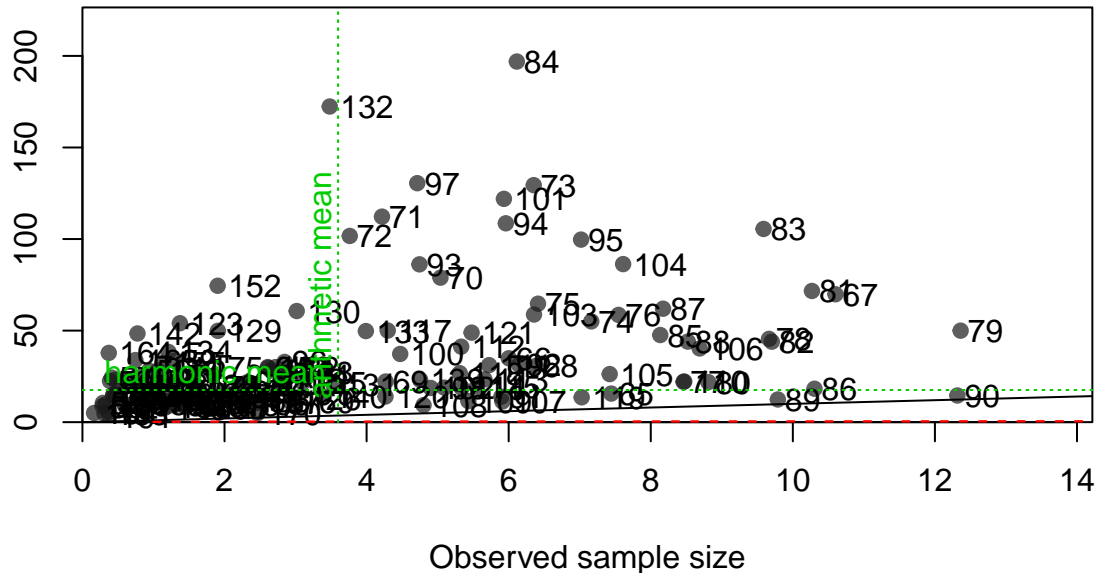


Proportion

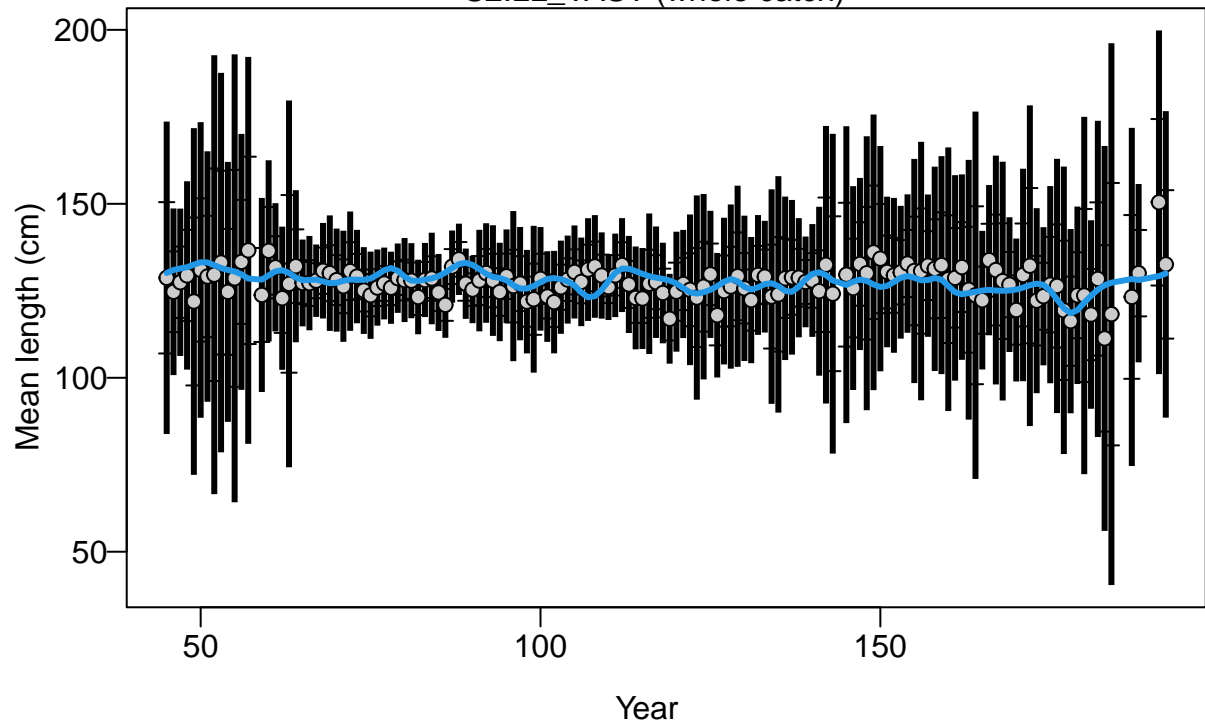


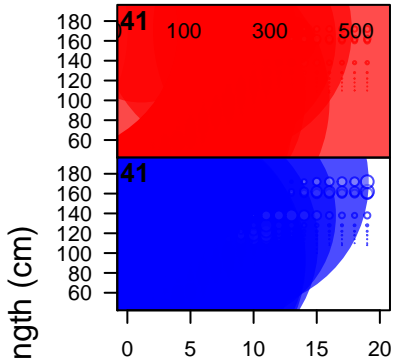


Effective sample size

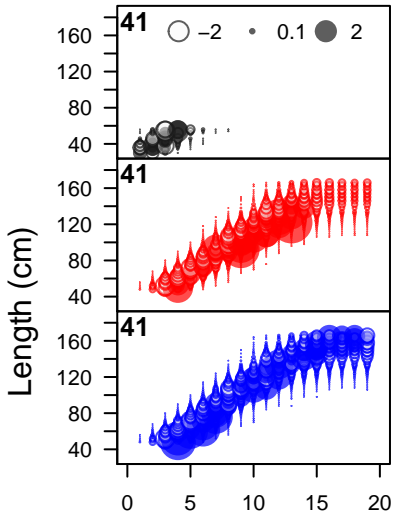


S2.LL_VAST (whole catch)

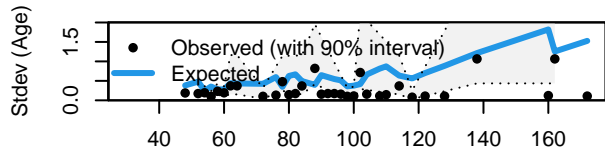
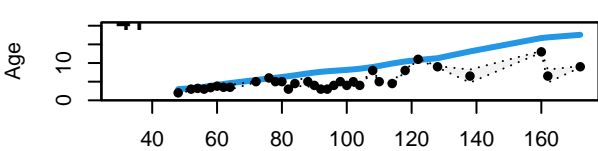




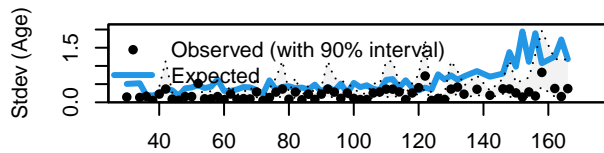
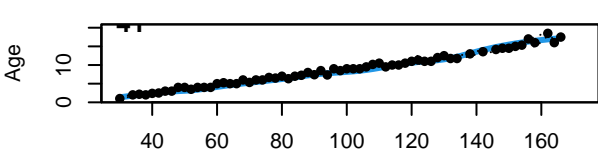
Age (yr)



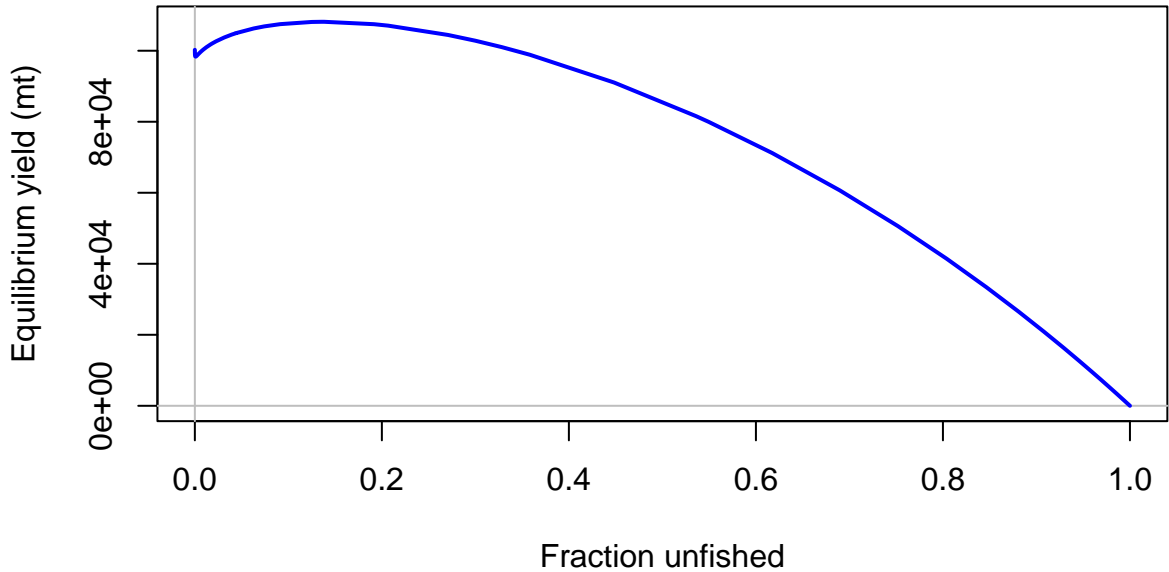
Age (yr)

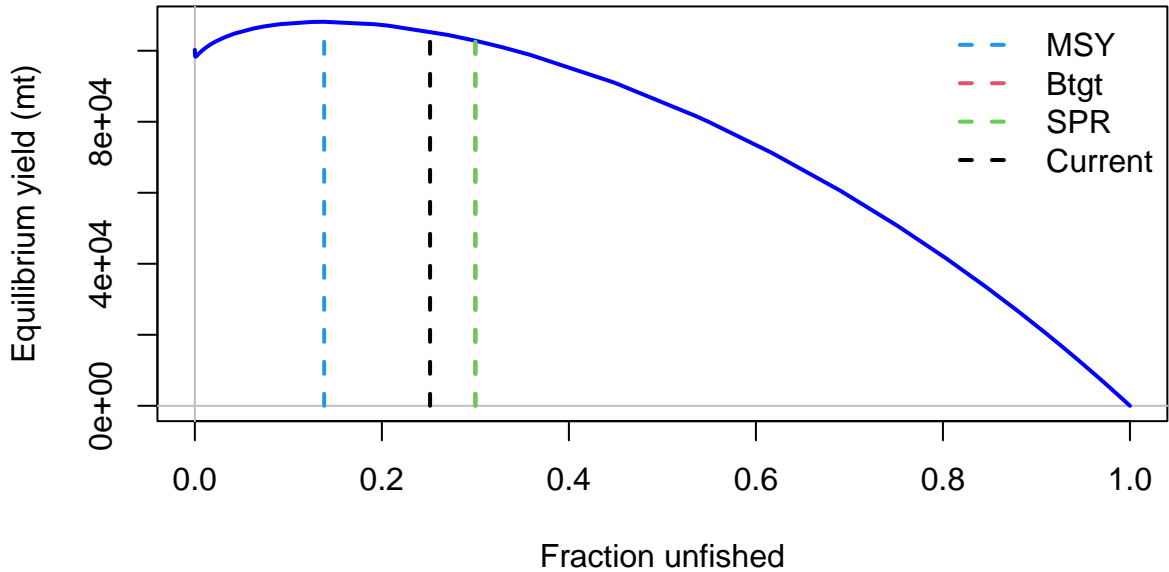


Length (cm)

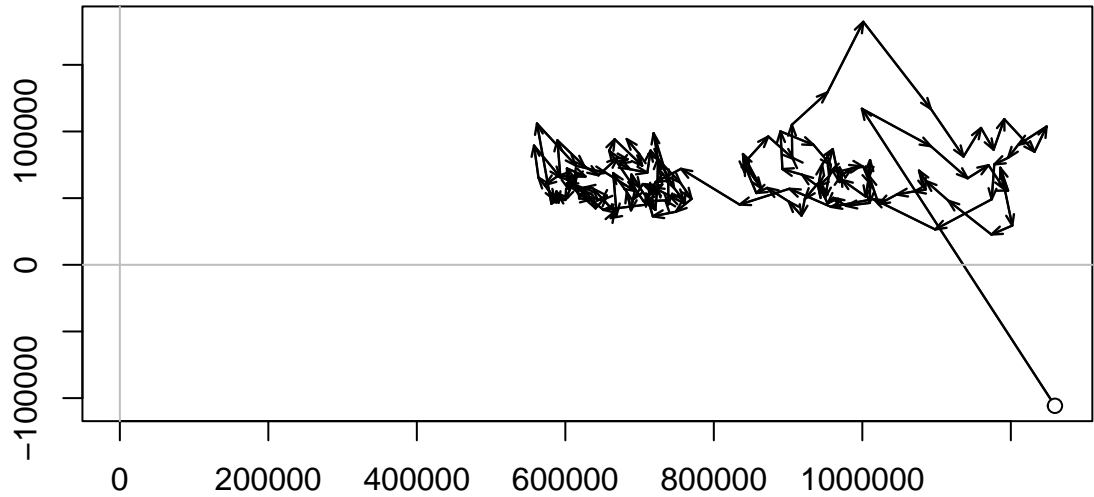


Length (cm)

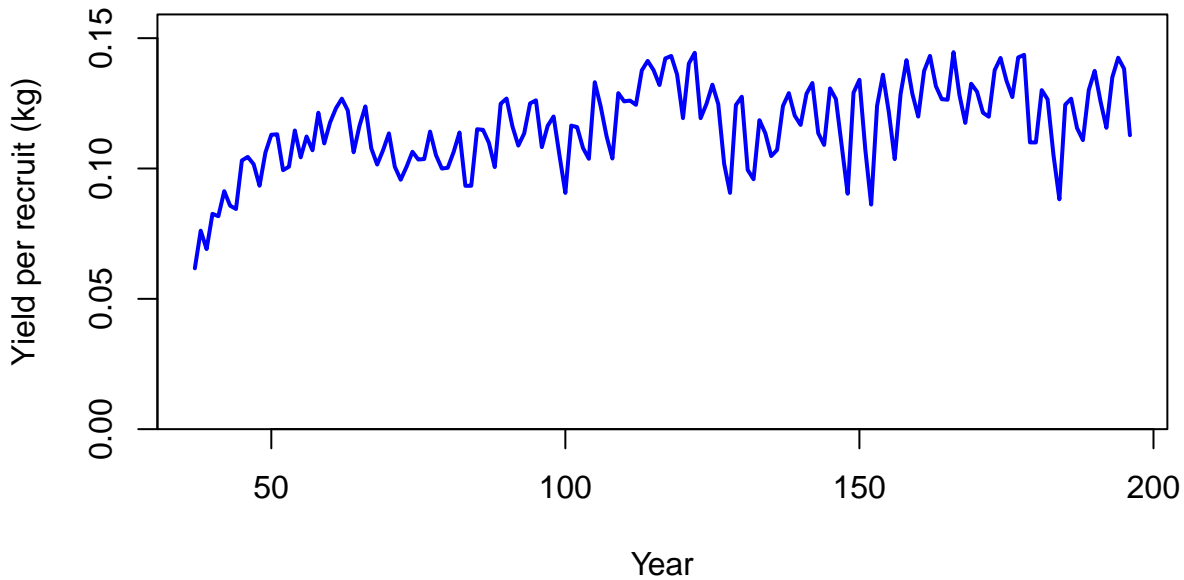


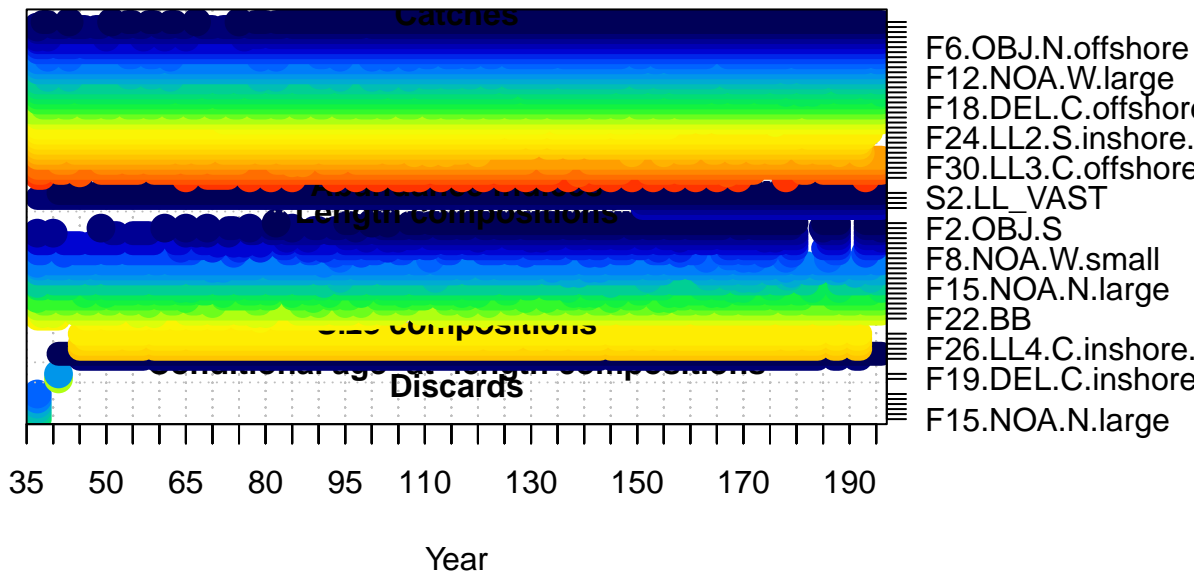


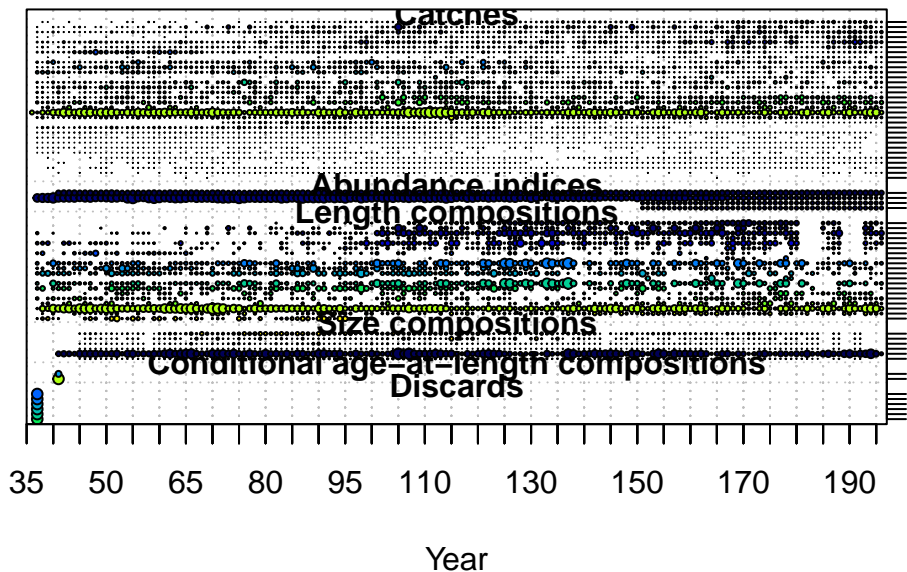
Surplus production (mt)



Total biomass (mt)

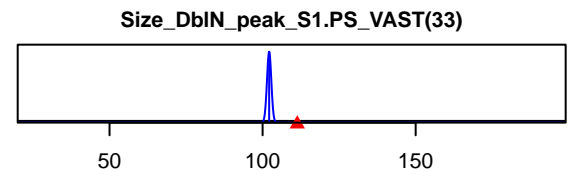
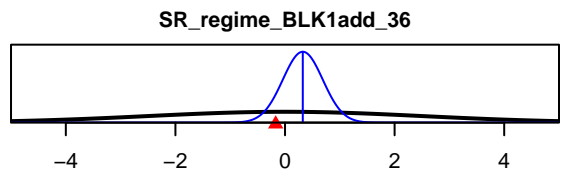
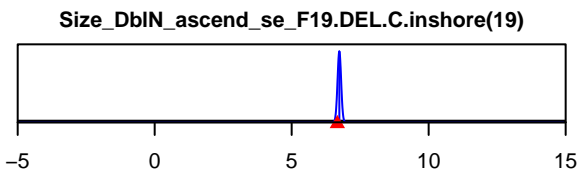
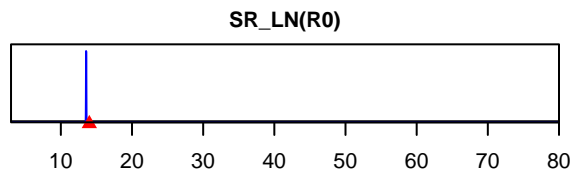
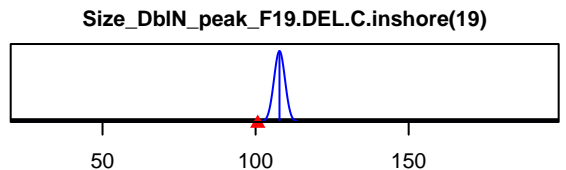
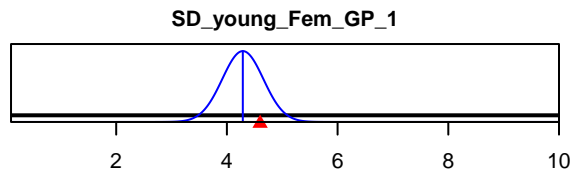
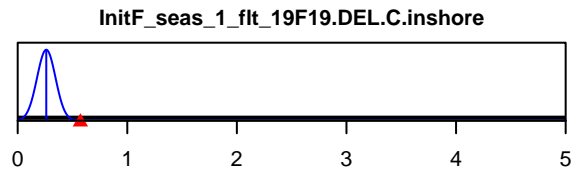
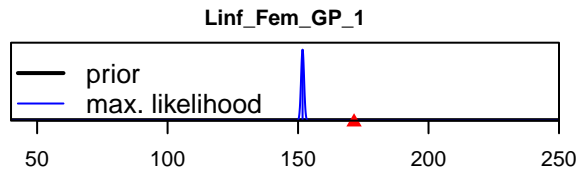






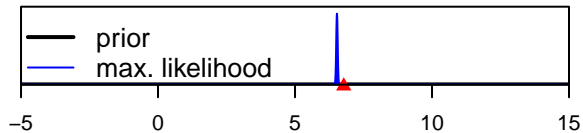
F6.OBJ.N.offshore
 F12.NOA.W.large
 F18.DEL.C.offshore
 F24.LL2.S.inshore.
 F30.LL3.C.offshore
 S2.LL_VAST
 F2.OBJ.S
 F8.NOA.W.small
 F15.NOA.N.large
 F22.BB
 F26.LL4.C.inshore.
 F19.DEL.C.inshore
 F15.NOA.N.large

Density

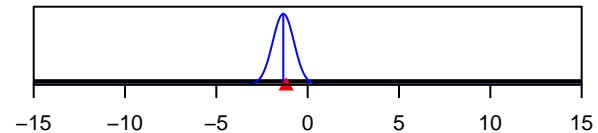


Parameter value

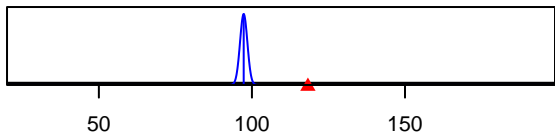
Size_DbIN_ascend_se_S1.PS_VAST(33)



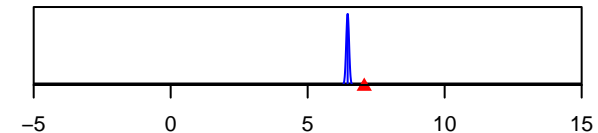
Size_DbIN_top_logit_F19.DEL.C.inshore(19)_BLK2repl_111



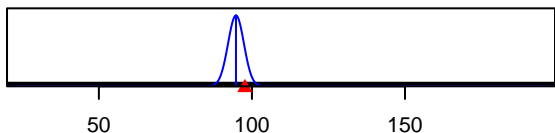
Size_DbIN_peak_F19.DEL.C.inshore(19)_BLK2repl_36



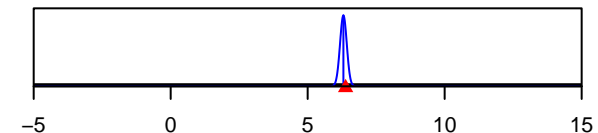
Size_DbIN_ascend_se_F19.DEL.C.inshore(19)_BLK2repl_36



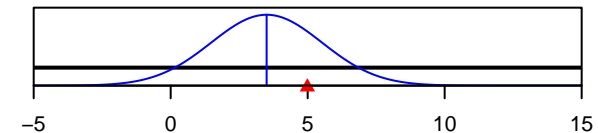
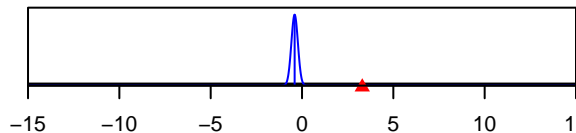
Size_DbIN_peak_F19.DEL.C.inshore(19)_BLK2repl_111



Size_DbIN_ascend_se_F19.DEL.C.inshore(19)_BLK2repl_111

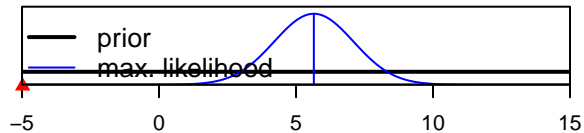


Size_DbIN_top_logit_F19.DEL.C.inshore(19)_BLK2repl_36 Size_DbIN_descend_se_F19.DEL.C.inshore(19)_BLK2repl_36

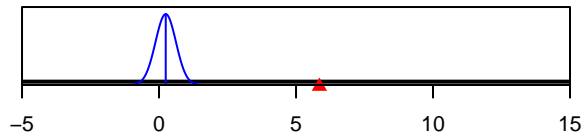


Parameter value

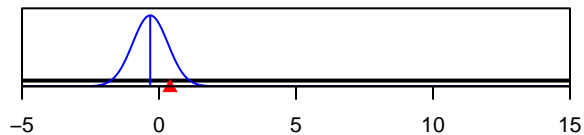
ize_DbIN_descend_se_F19.DEL.C.inshore(19)_BLK2repl_11



Size_DbIN_end_logit_F19.DEL.C.inshore(19)_BLK2repl_36



Size_DbIN_end_logit_F19.DEL.C.inshore(19)_BLK2repl_111



Parameter value