

Plots created using the 'r4ss' package in R

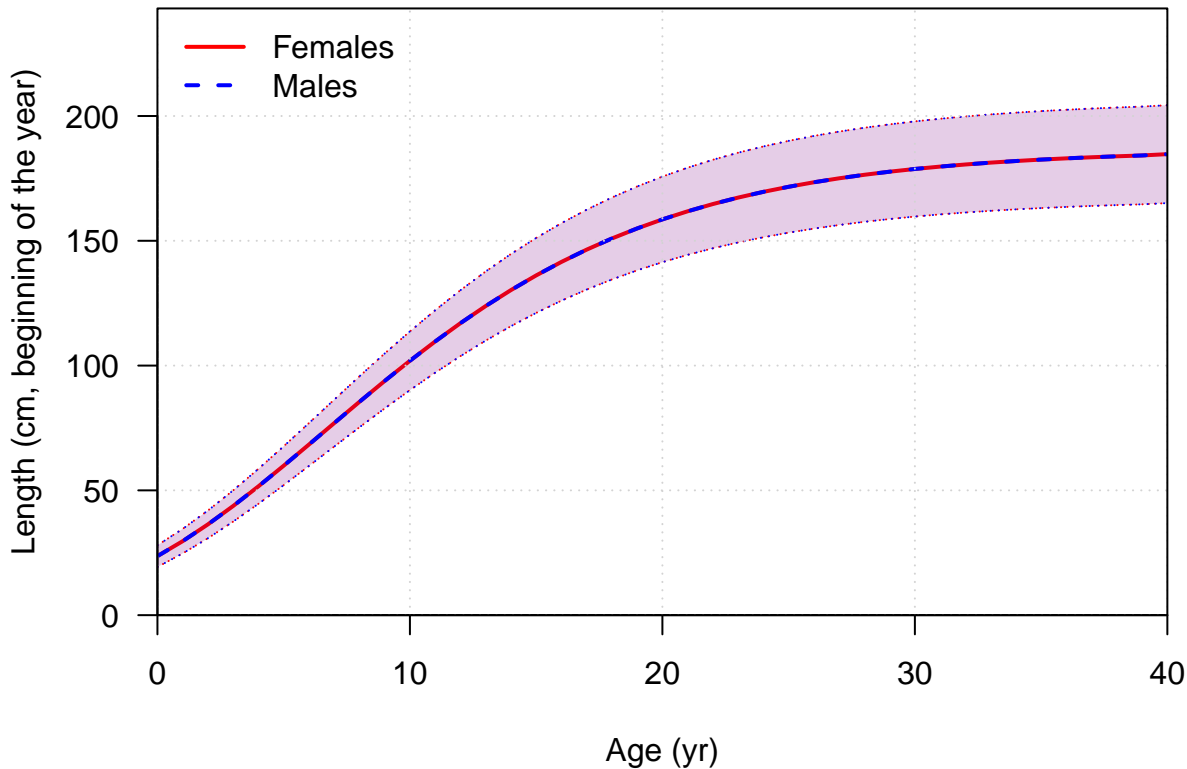
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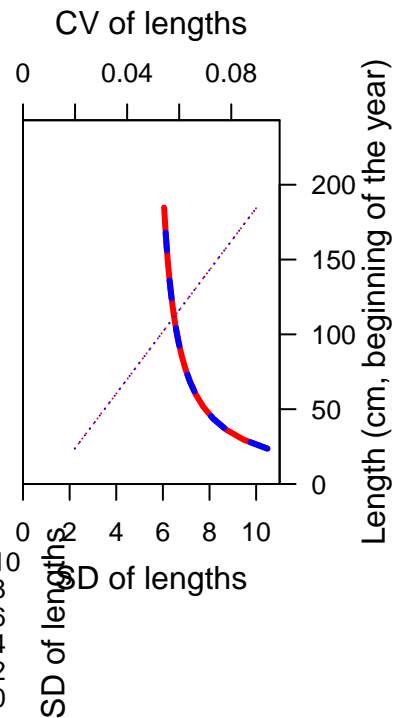
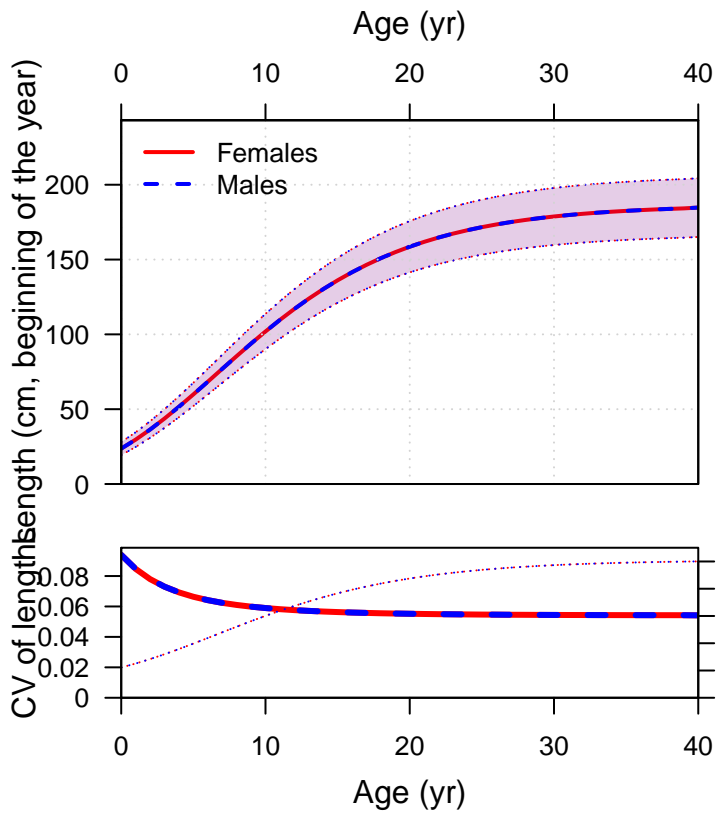
StartTime: Mon May 11 10:51:04 2020

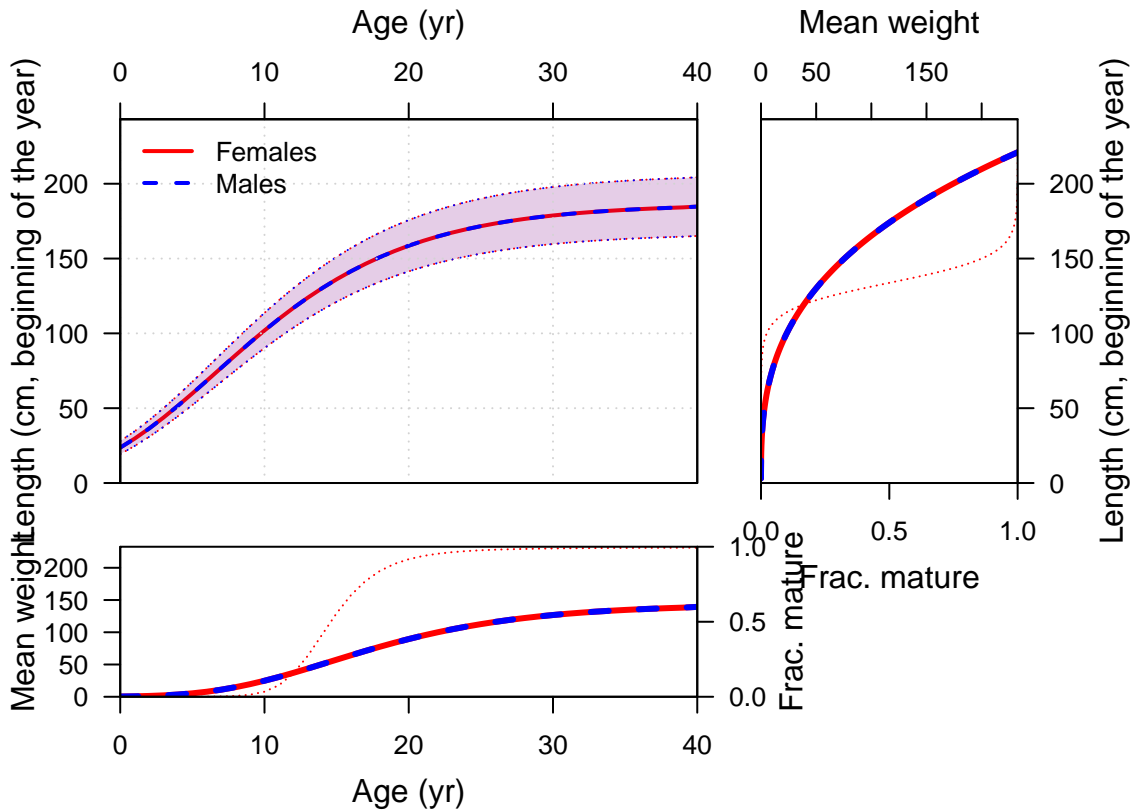
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Control\_File: BET-EPO.ctl

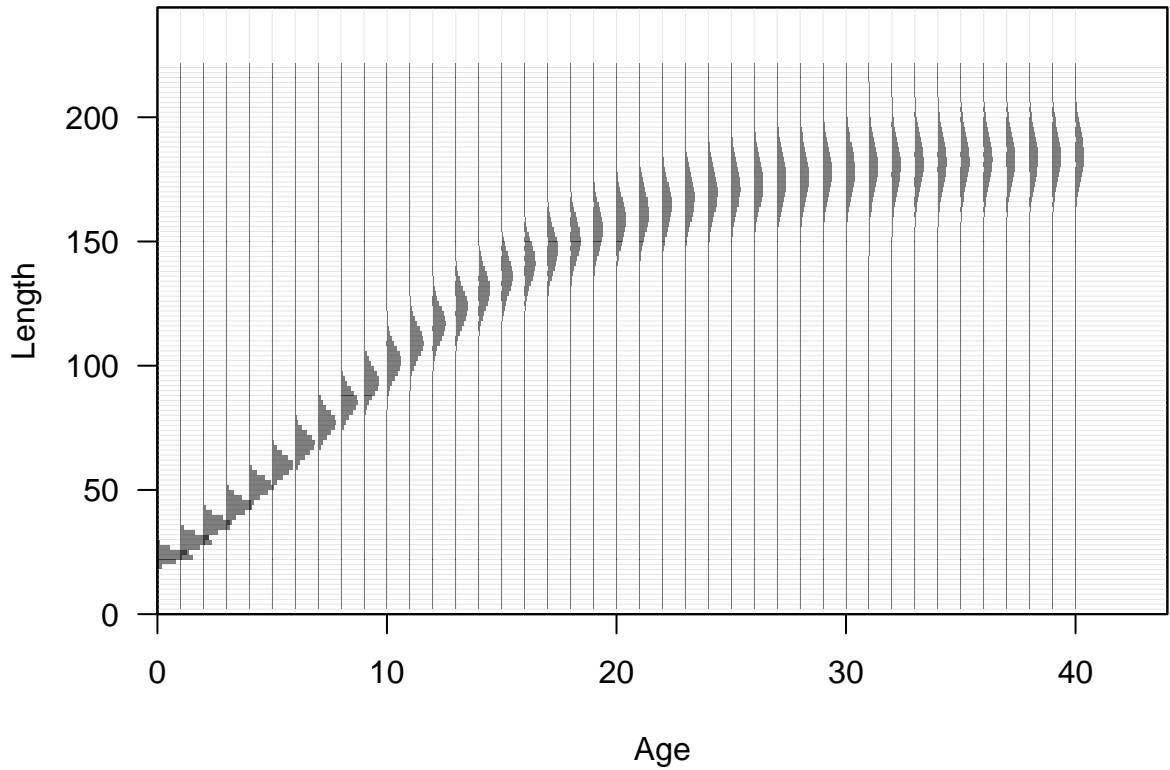
## Ending year expected growth (with 95% intervals)

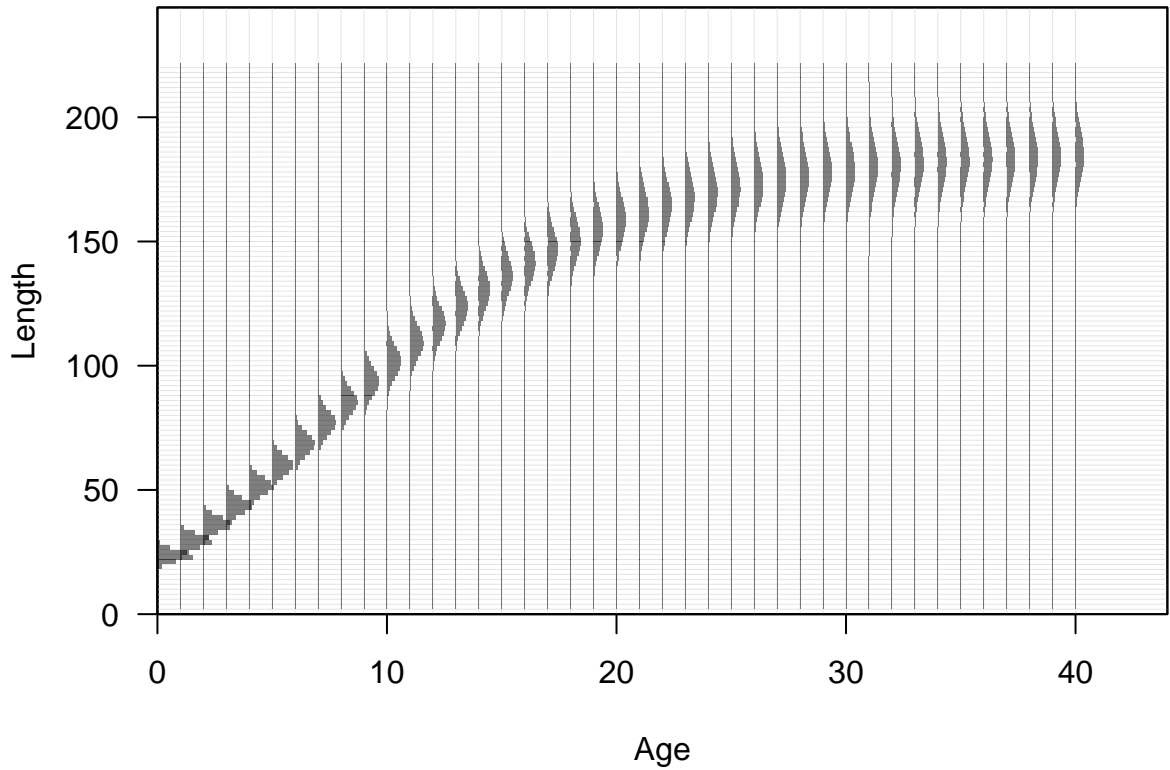


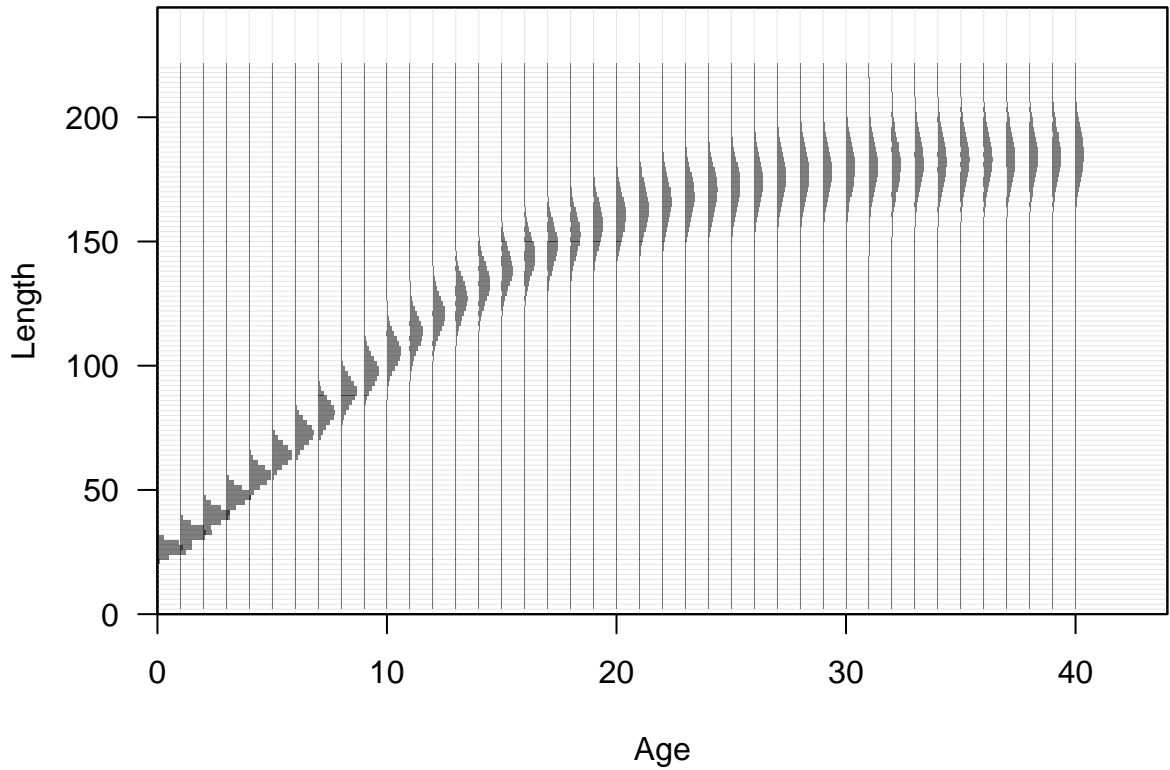


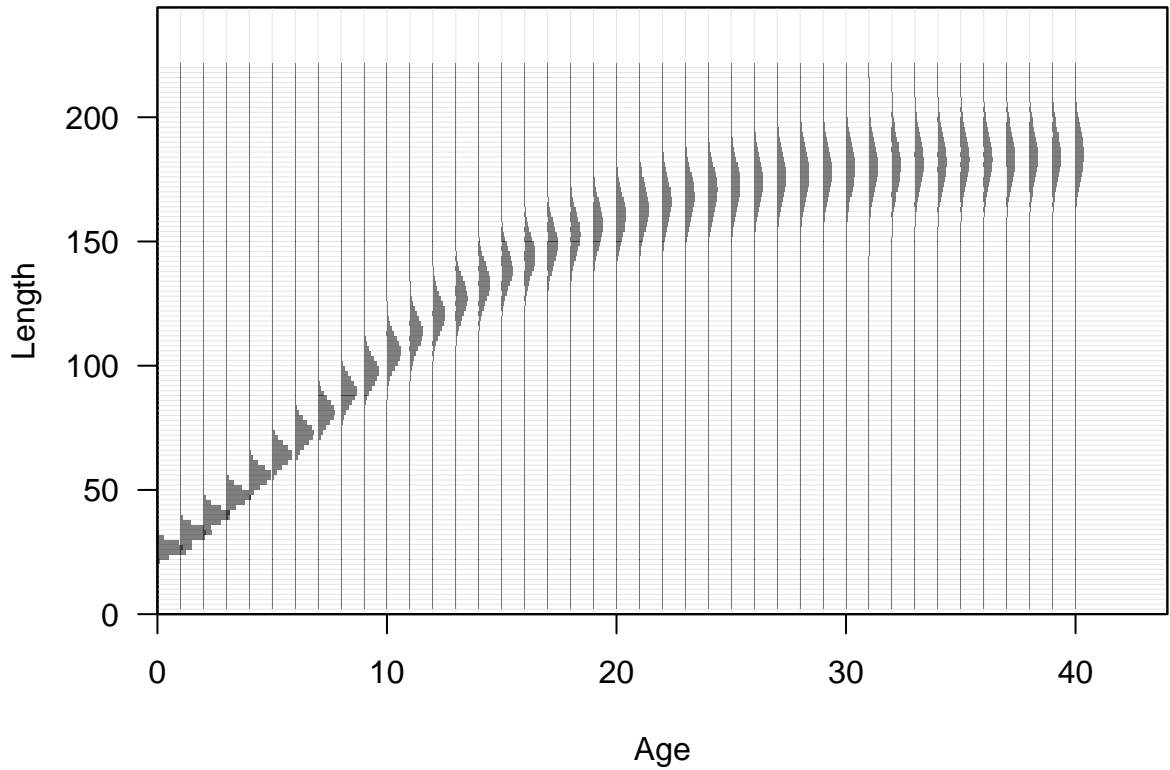


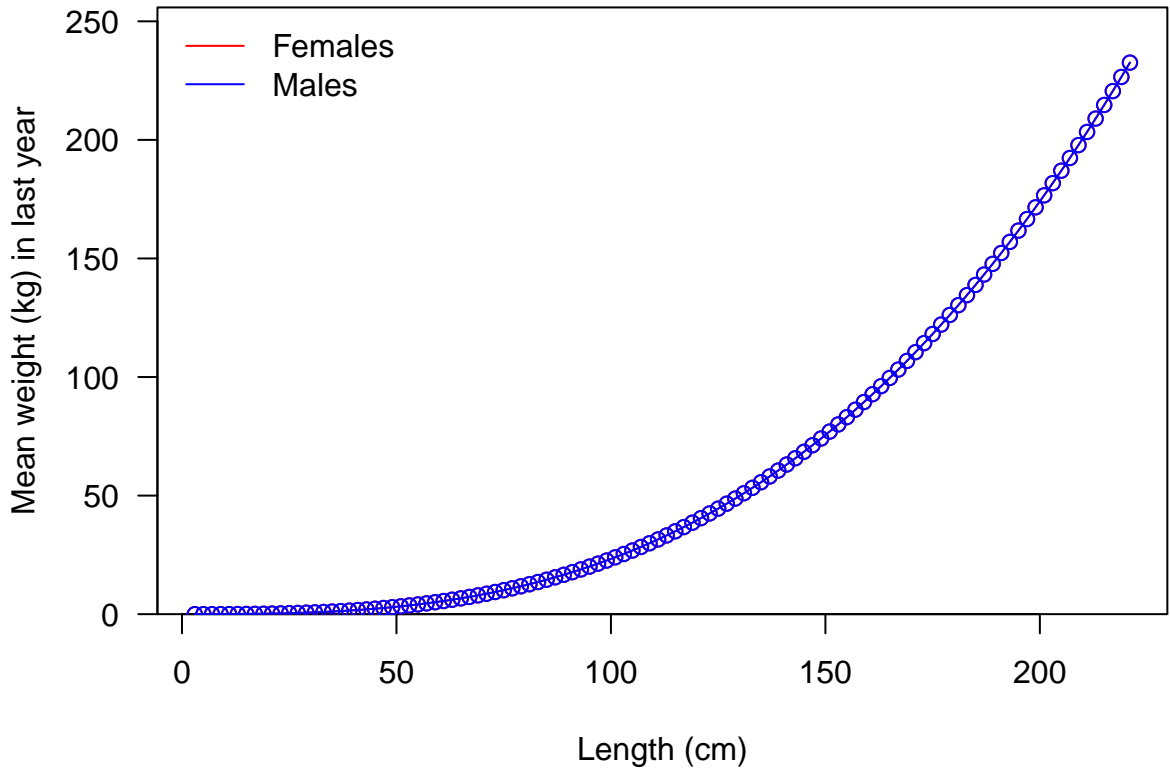


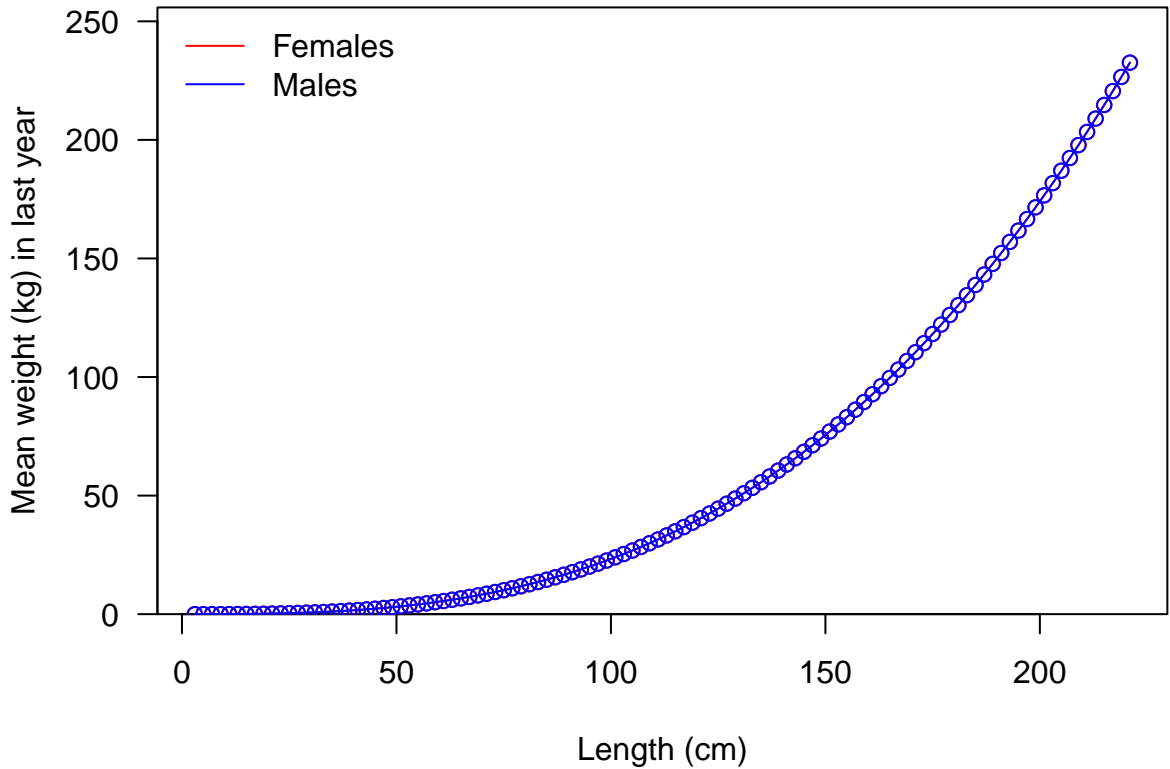


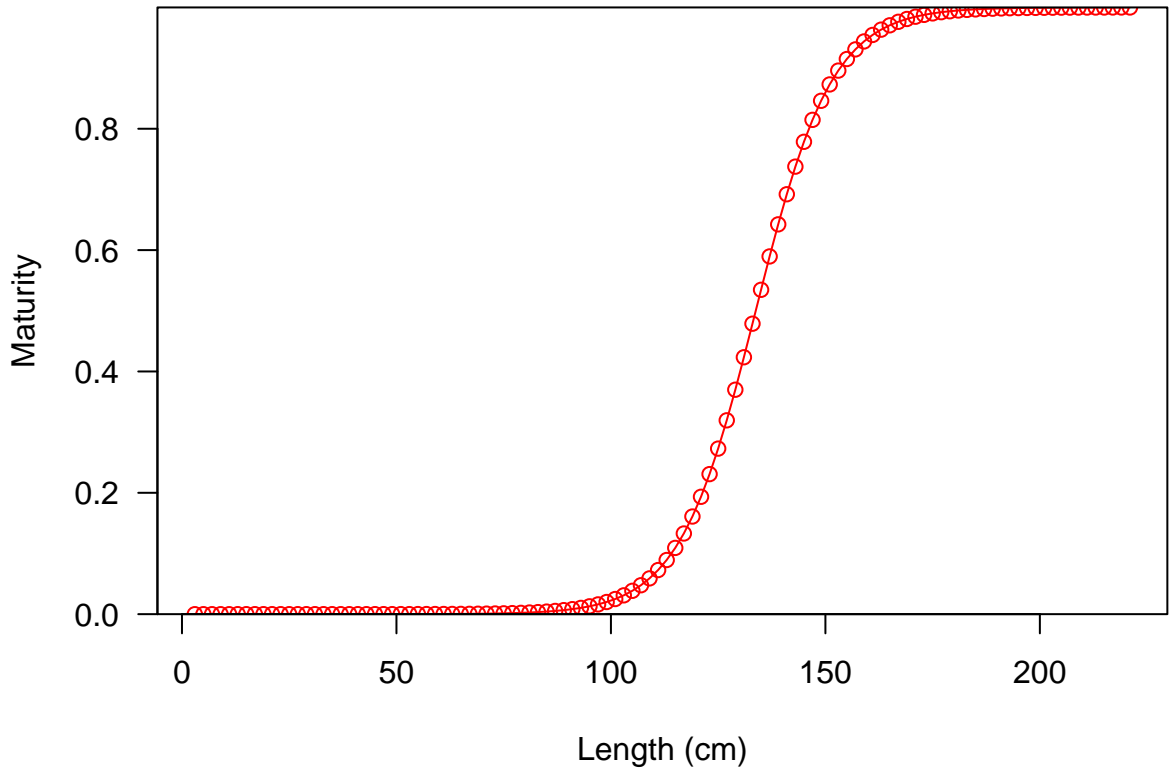


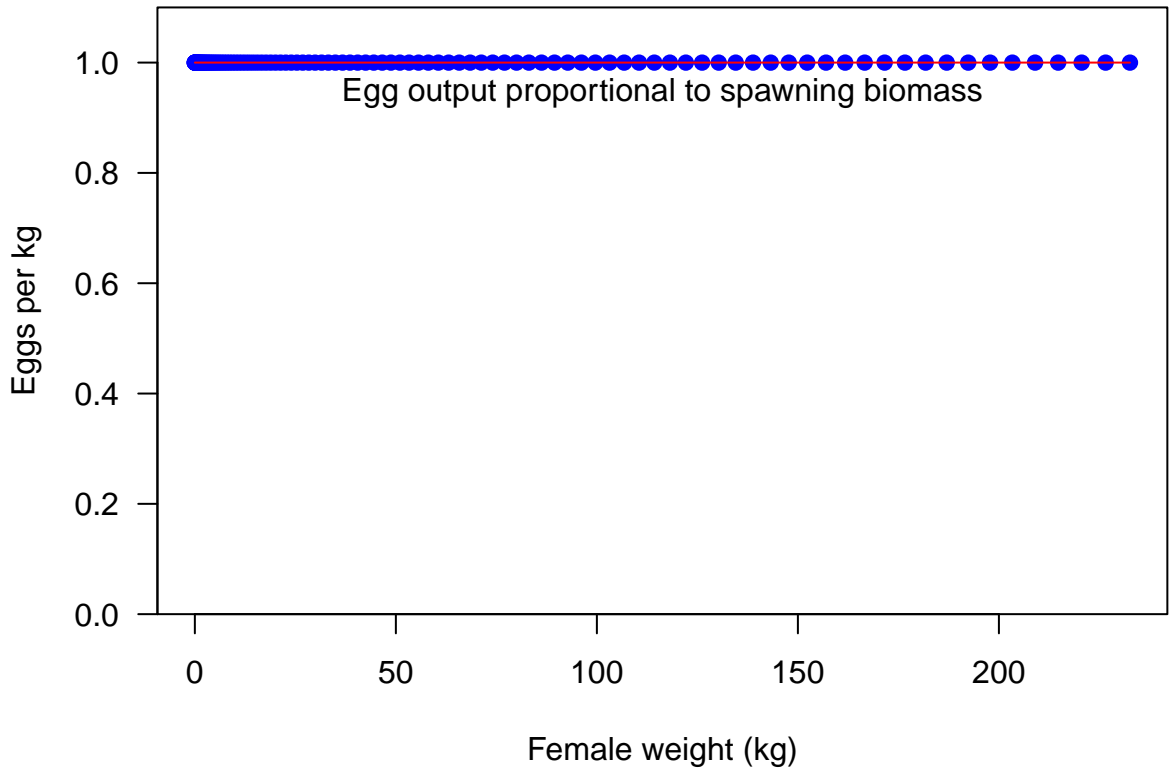




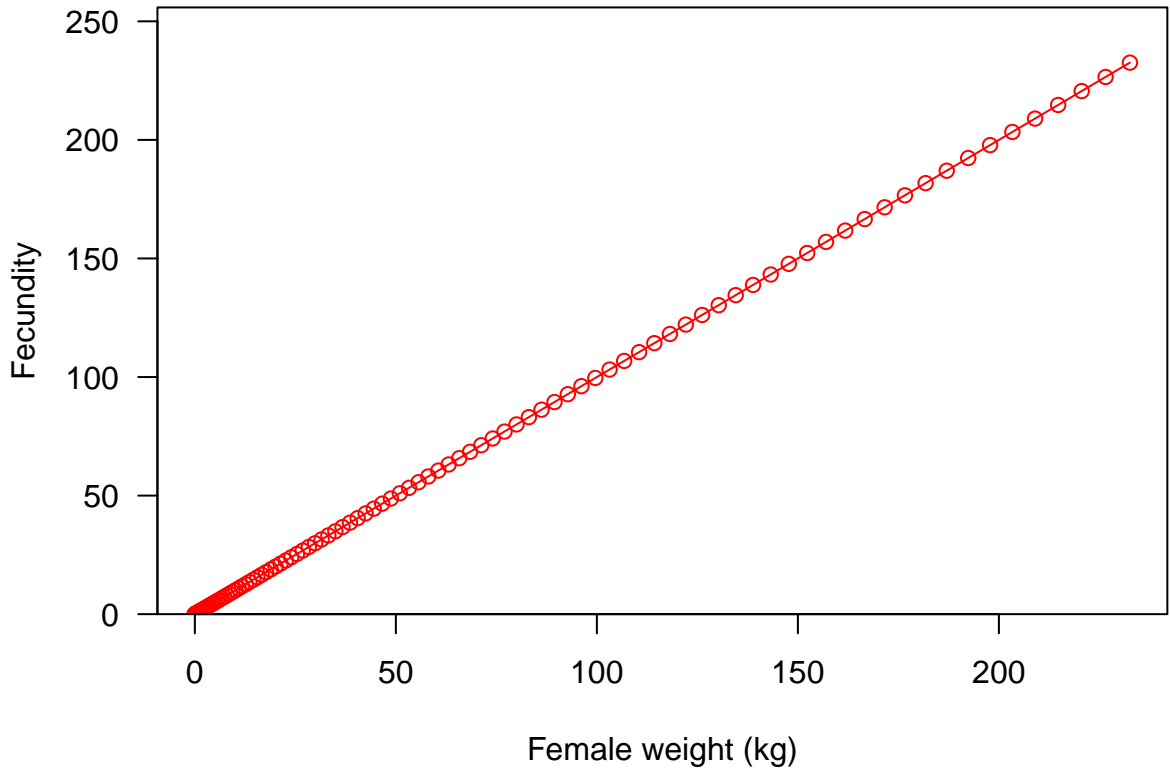


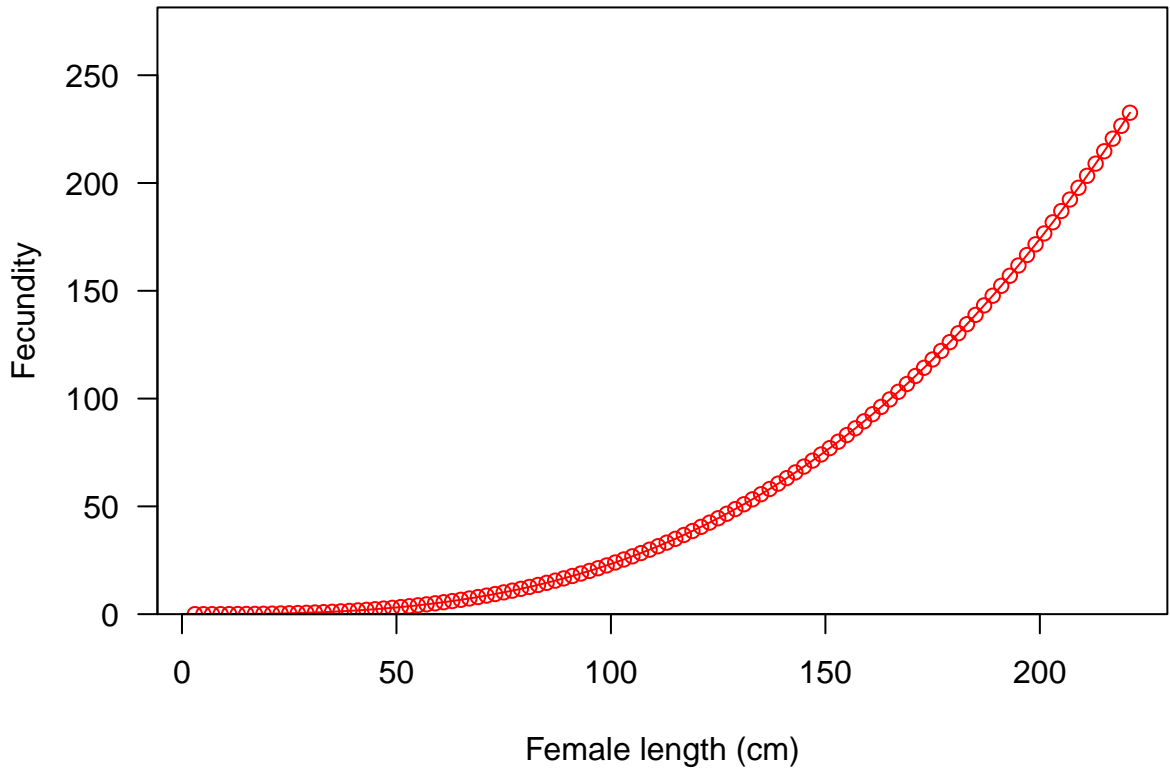


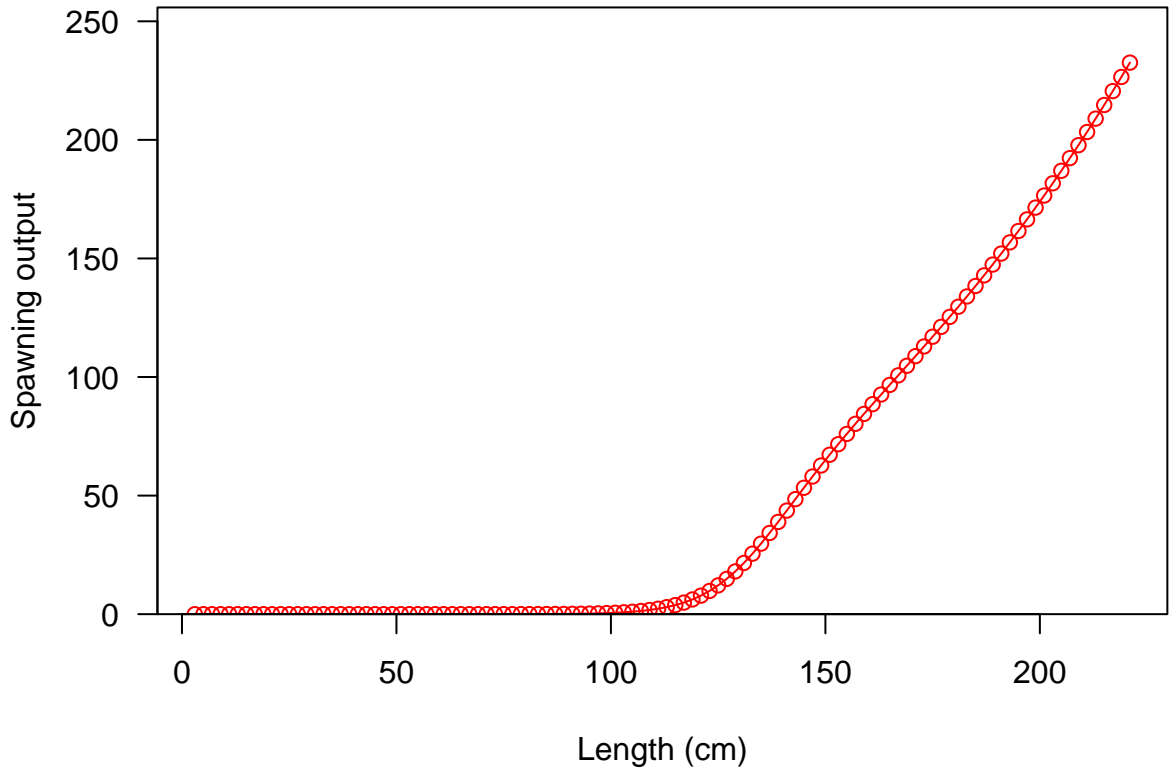


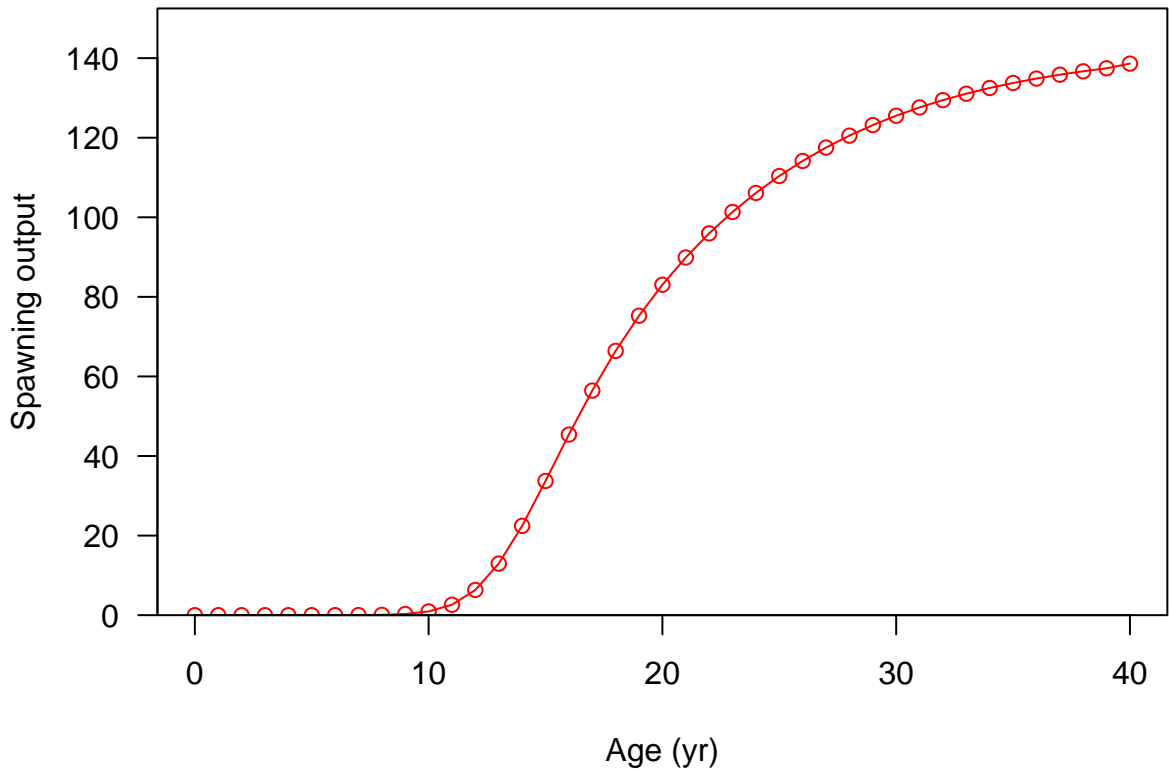




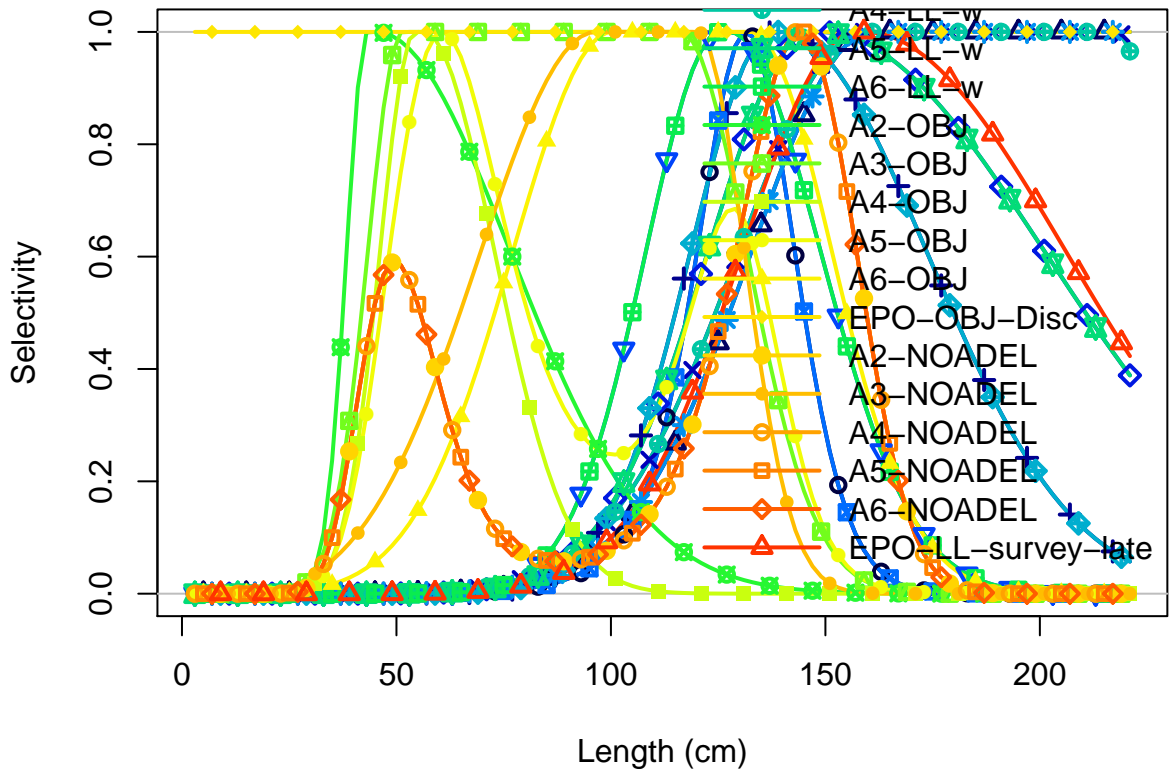




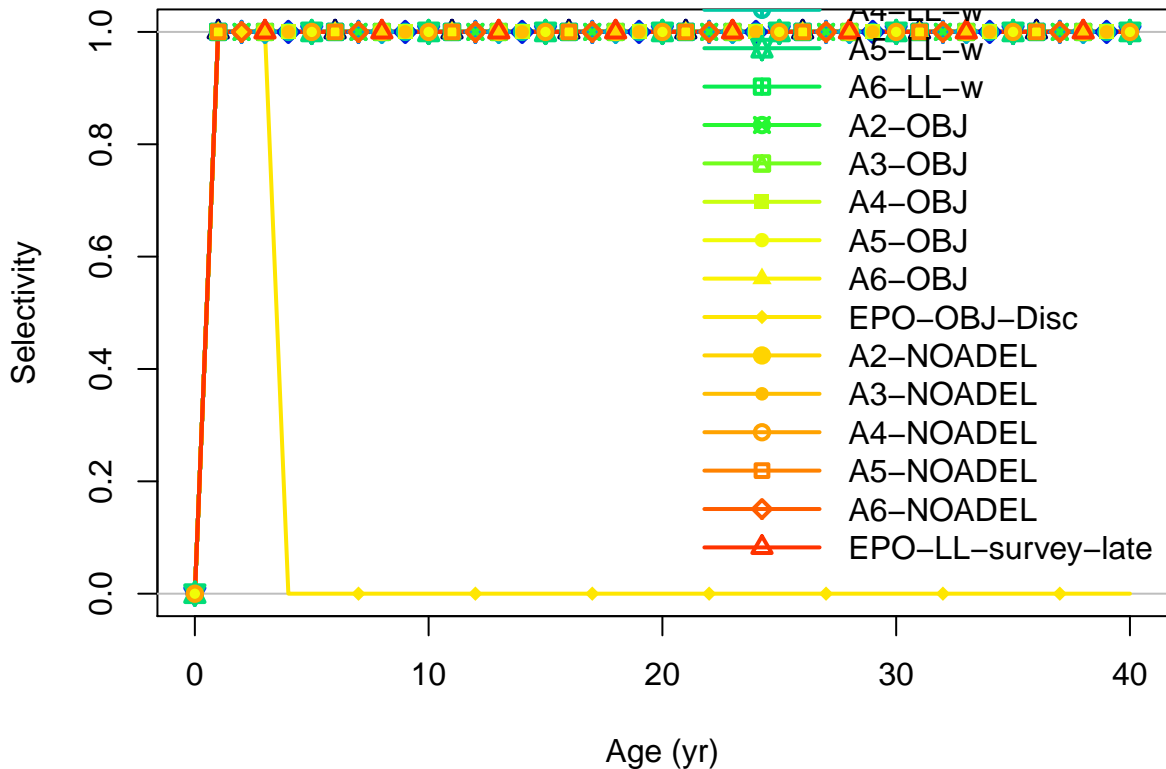




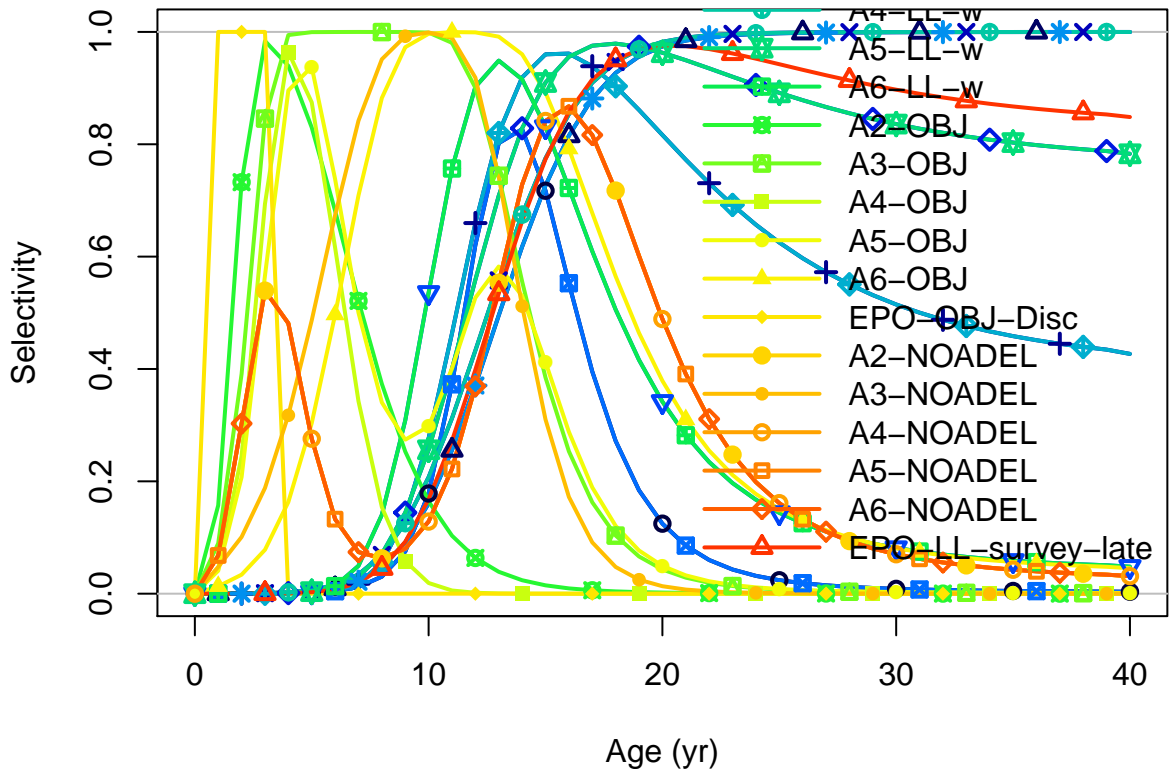
# Length-based selectivity by fleet in 180



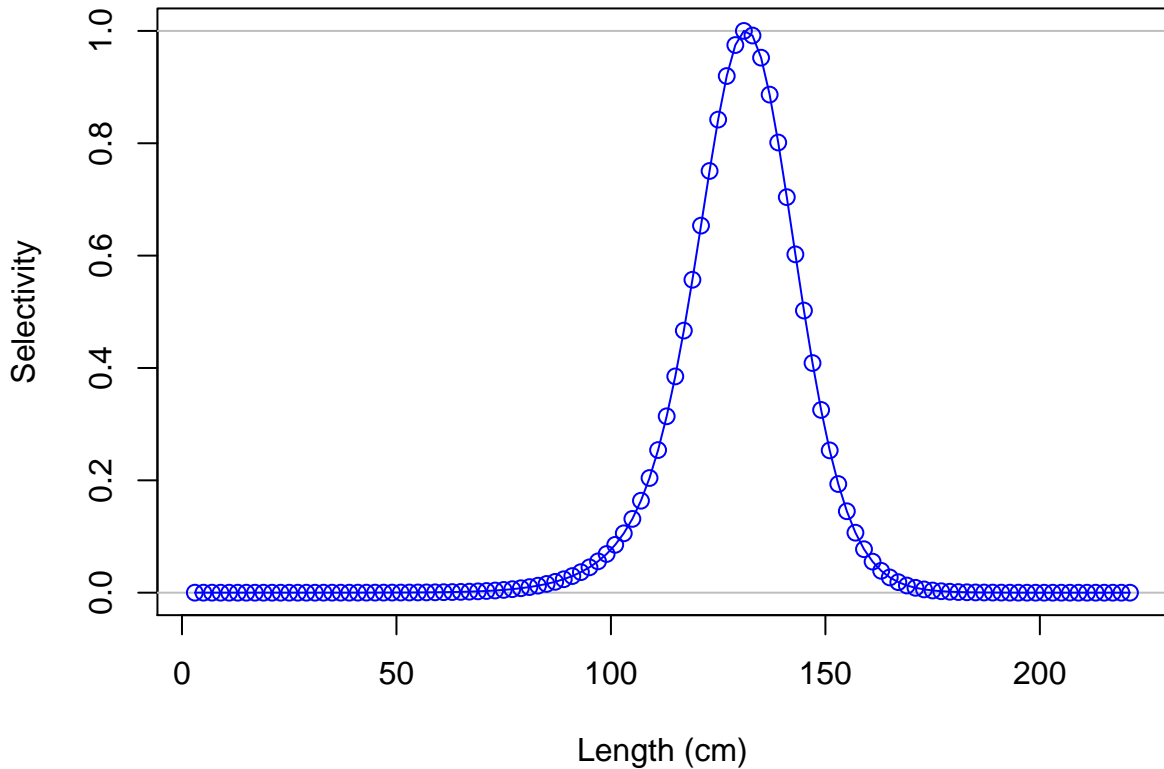
# Age-based selectivity by fleet in 180



# Derived age-based from length-based selectivity by fleet in 180

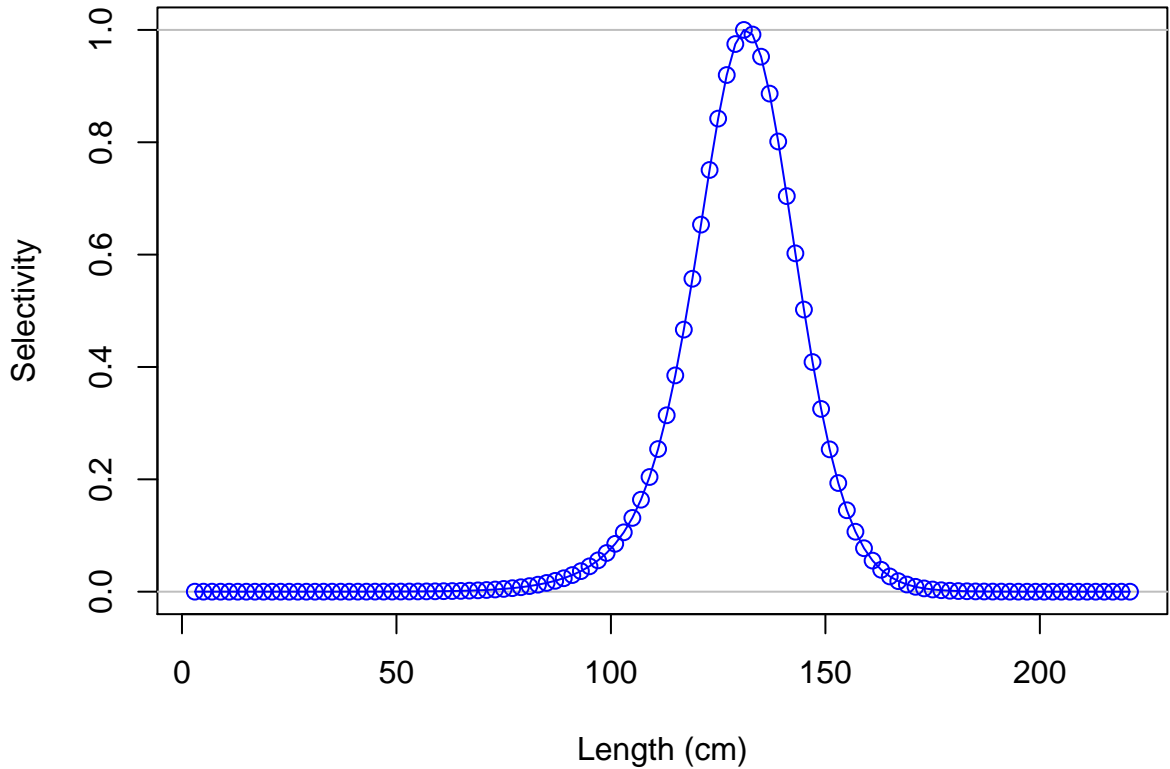


## Female ending year selectivity for A1-LL-n

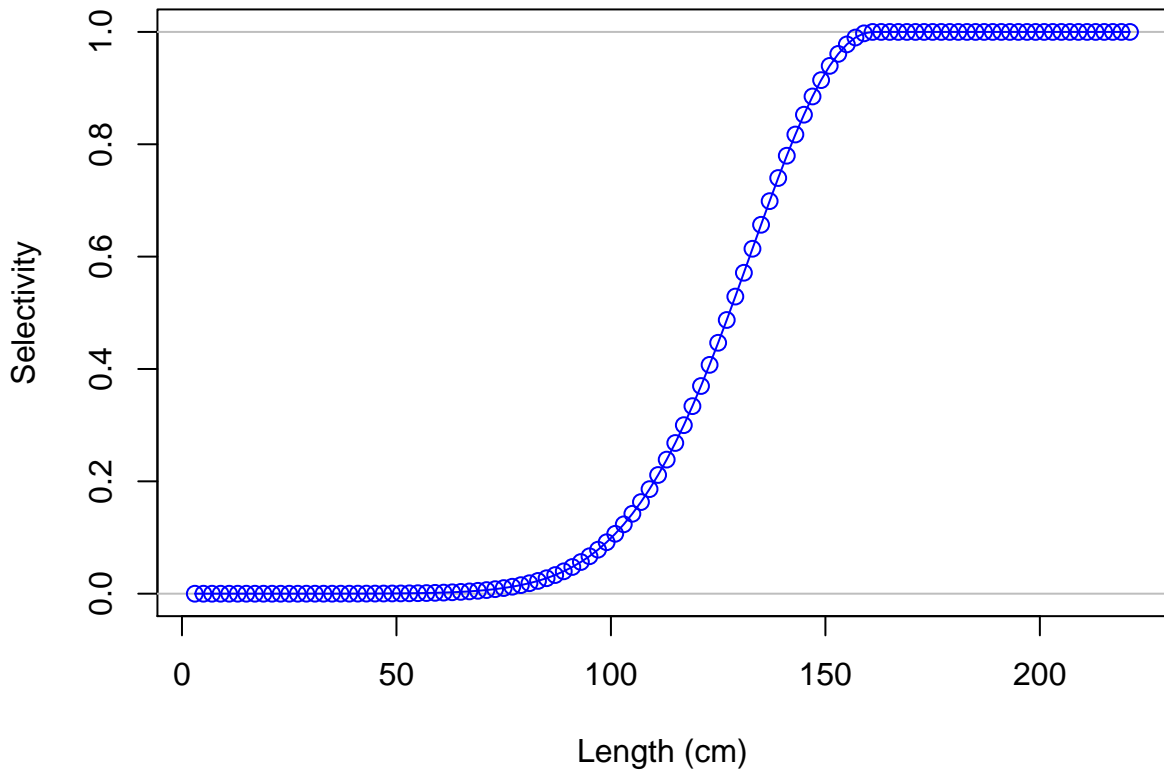




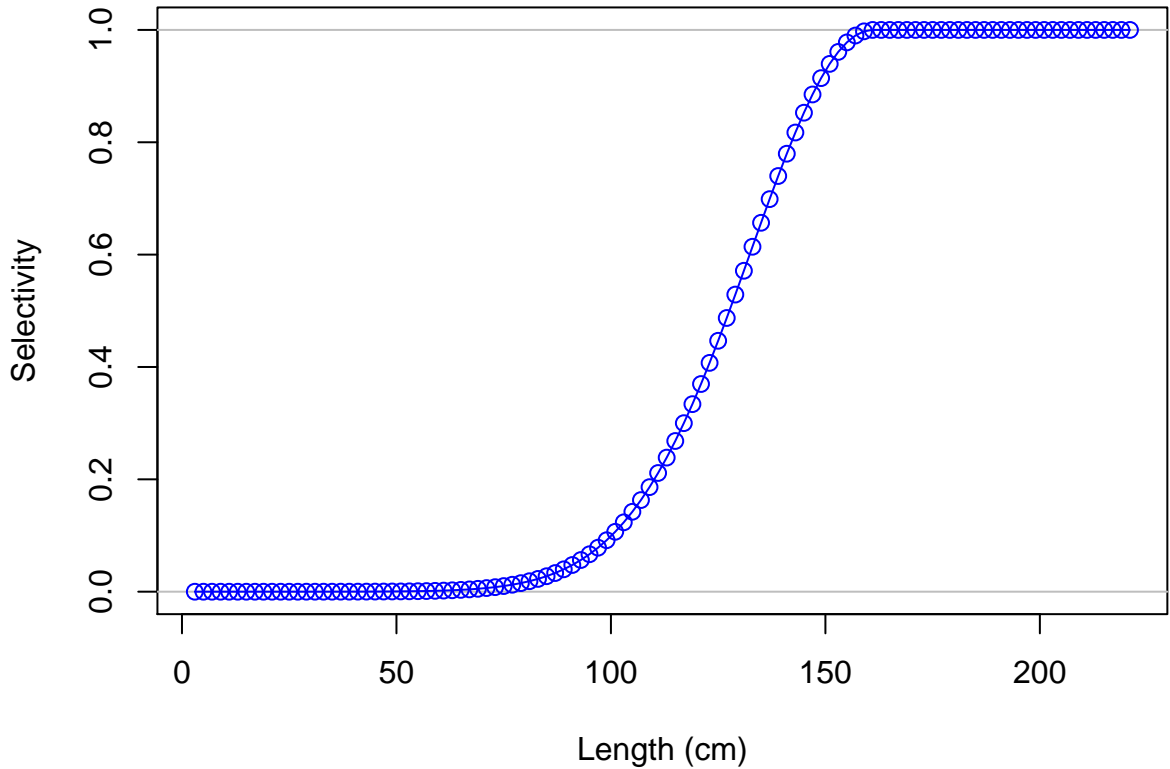
# Male ending year selectivity for A1-LL-n



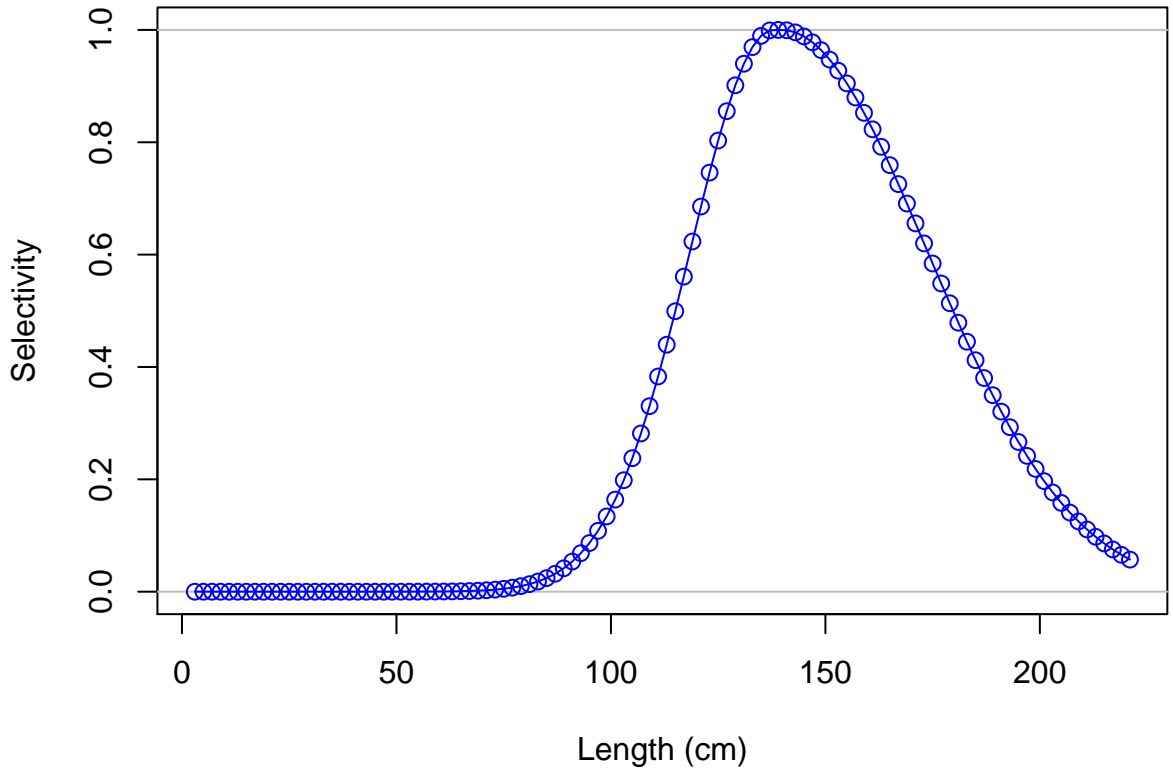
## Female ending year selectivity for A2-LL-n



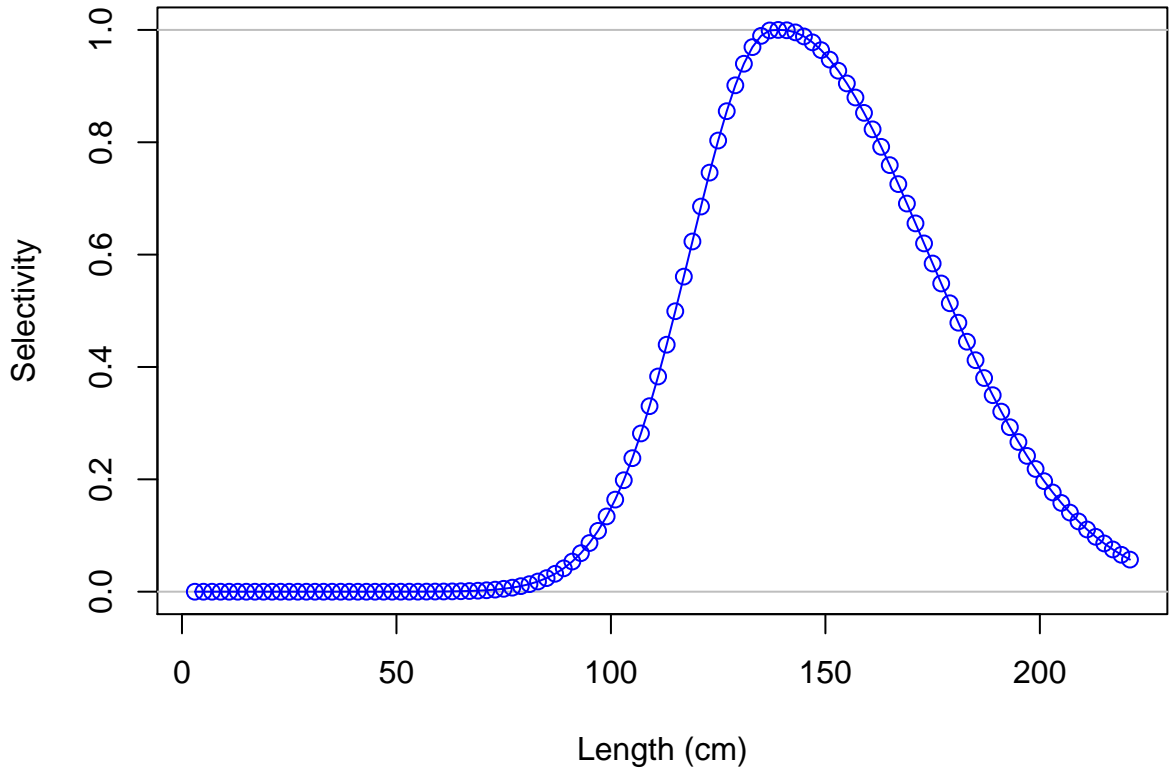
## Male ending year selectivity for A2-LL-n



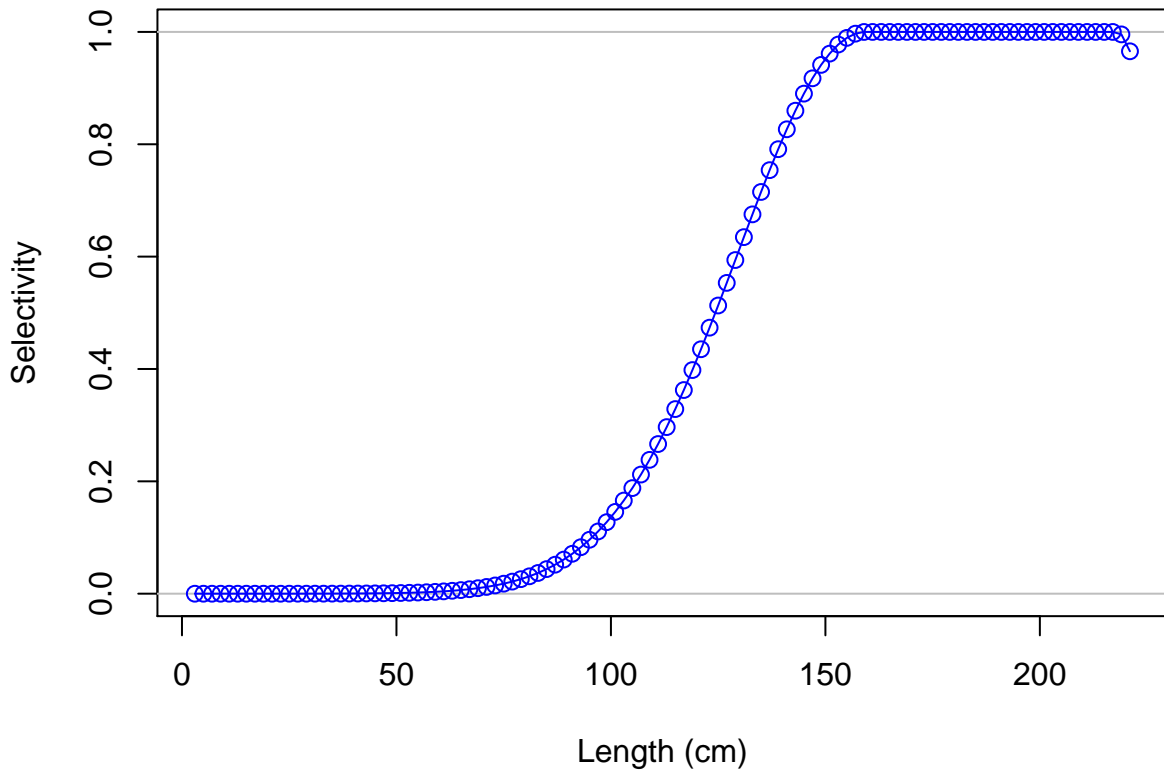
## Female ending year selectivity for A3-LL-n



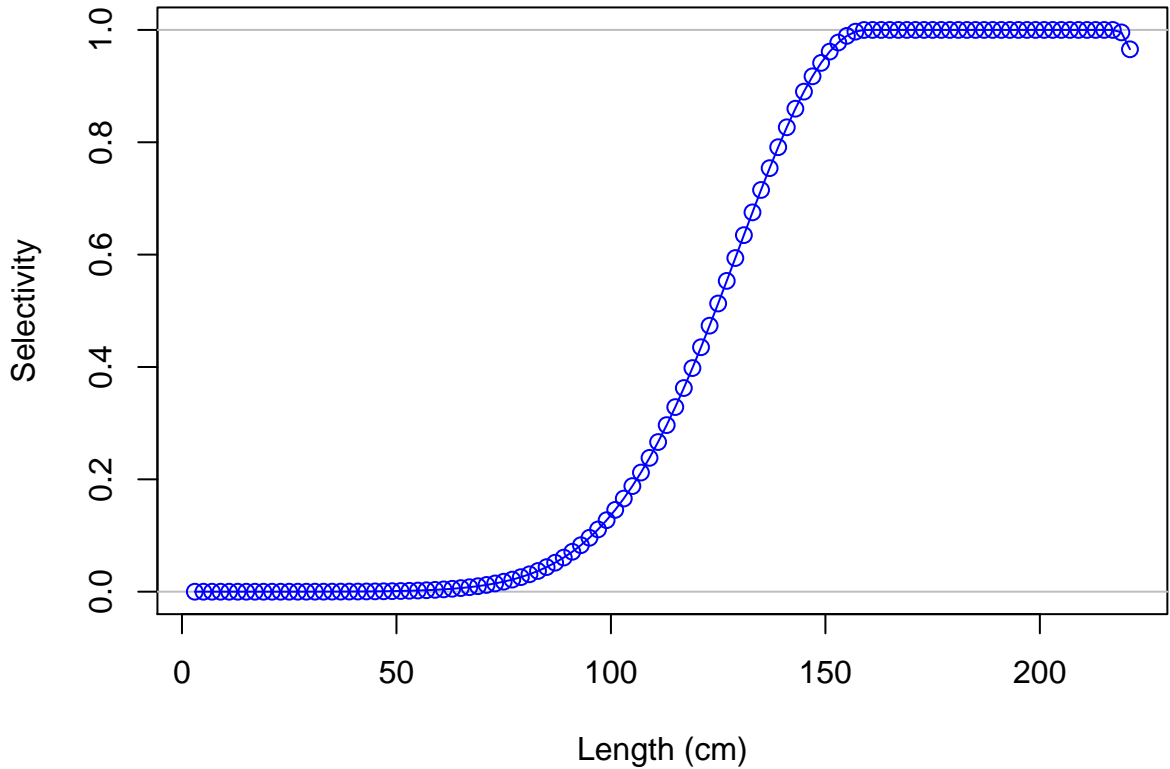
## Male ending year selectivity for A3-LL-n



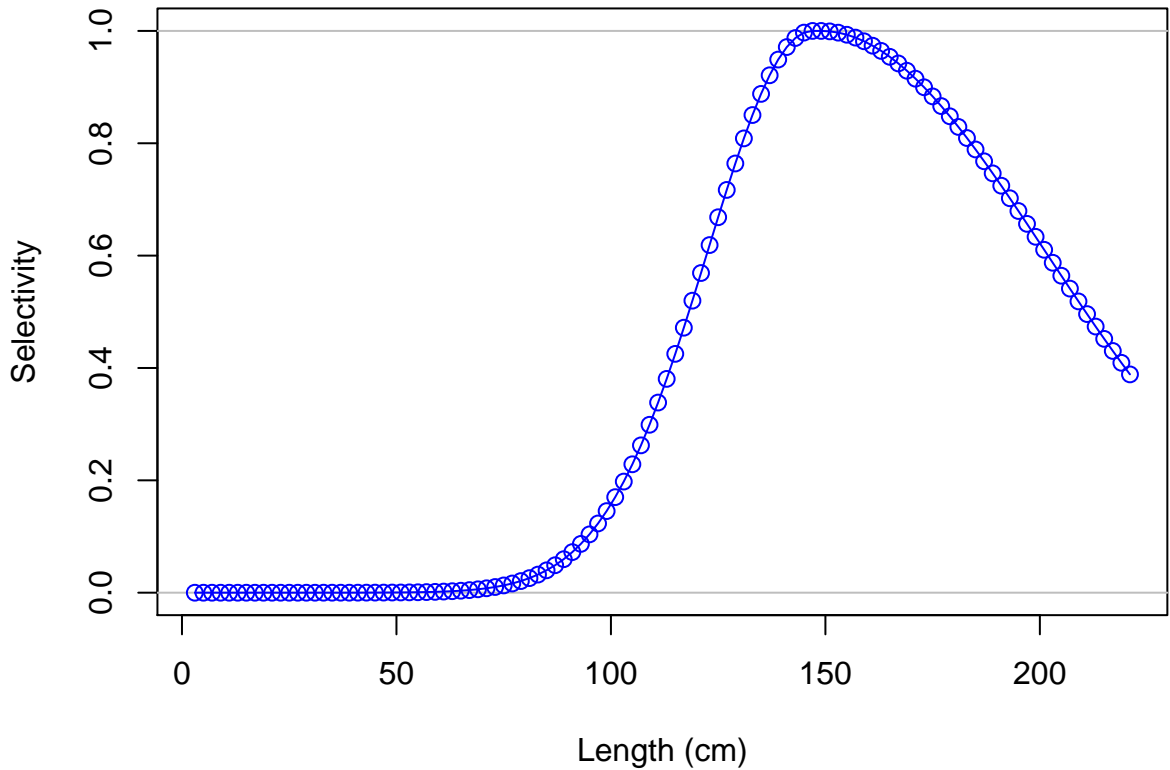
## Female ending year selectivity for A4-LL-n



## Male ending year selectivity for A4-LL-n

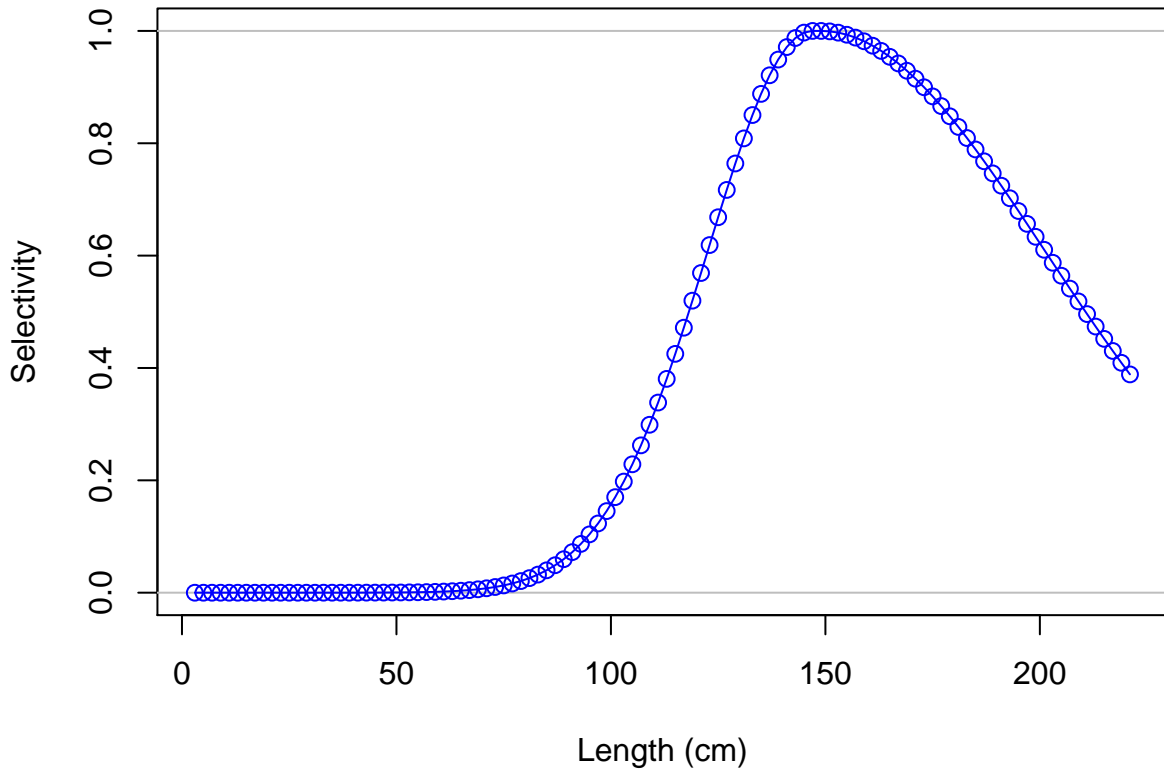


## Female ending year selectivity for A5-LL-n

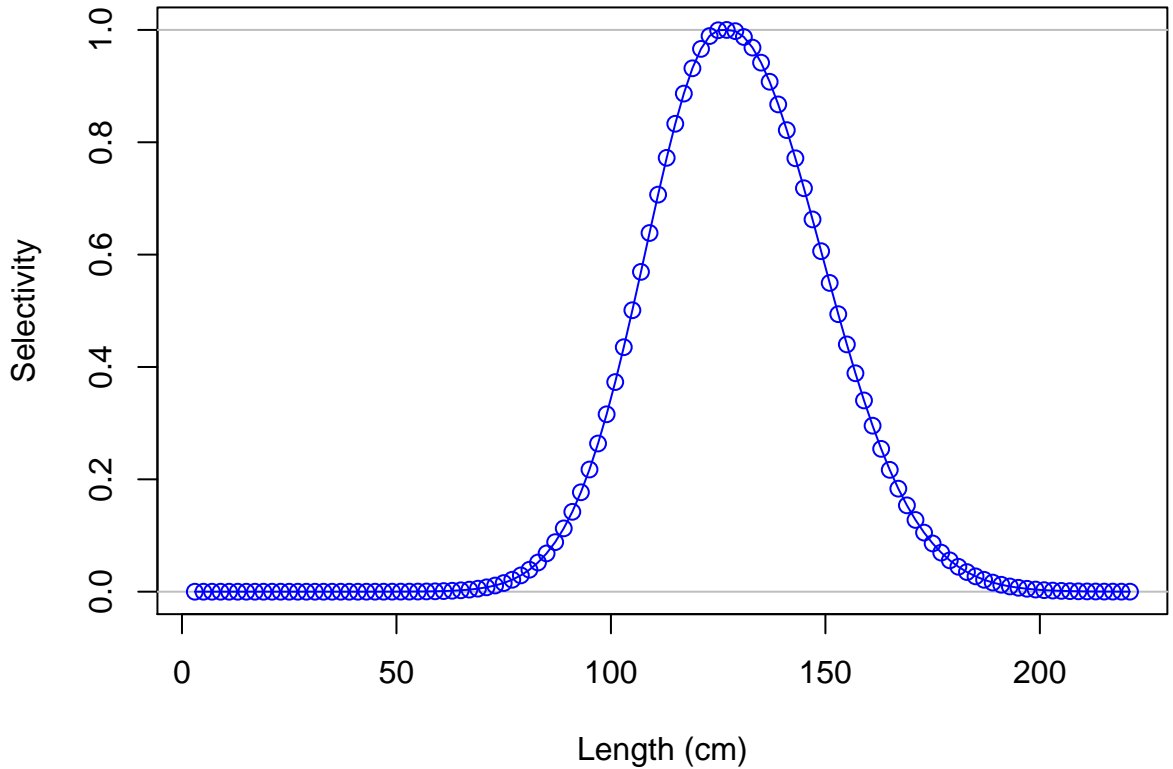




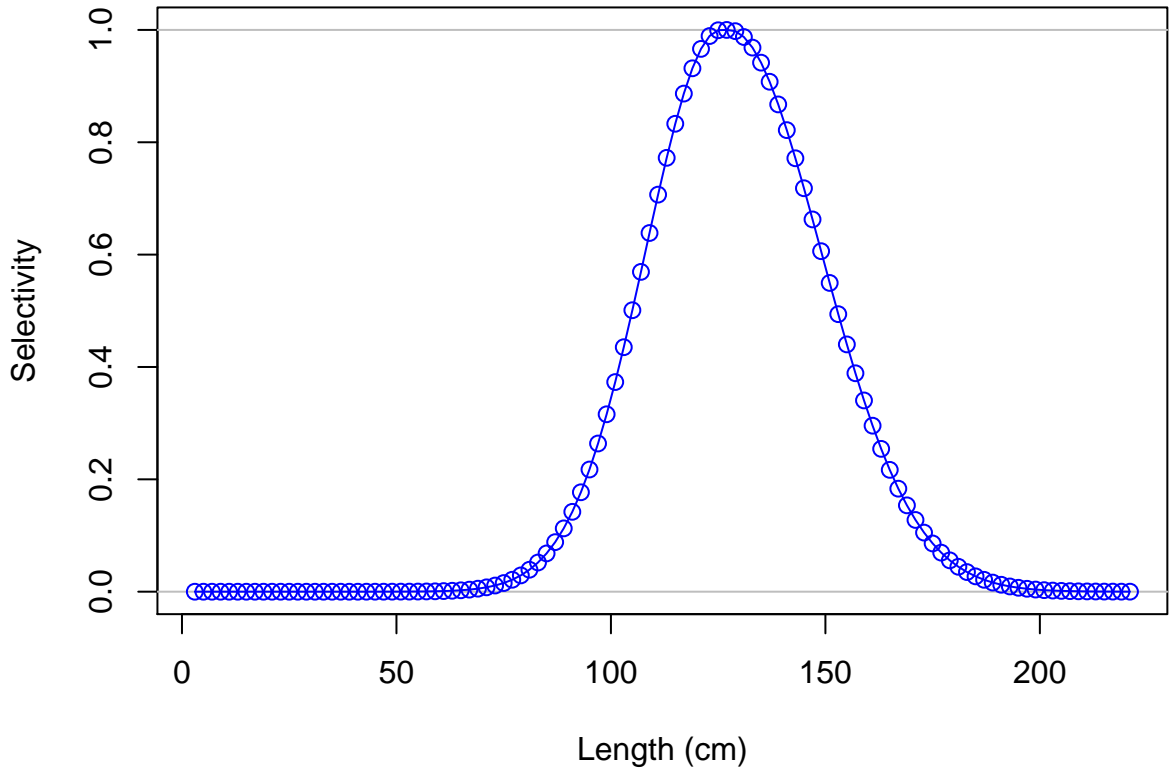
## Male ending year selectivity for A5-LL-n



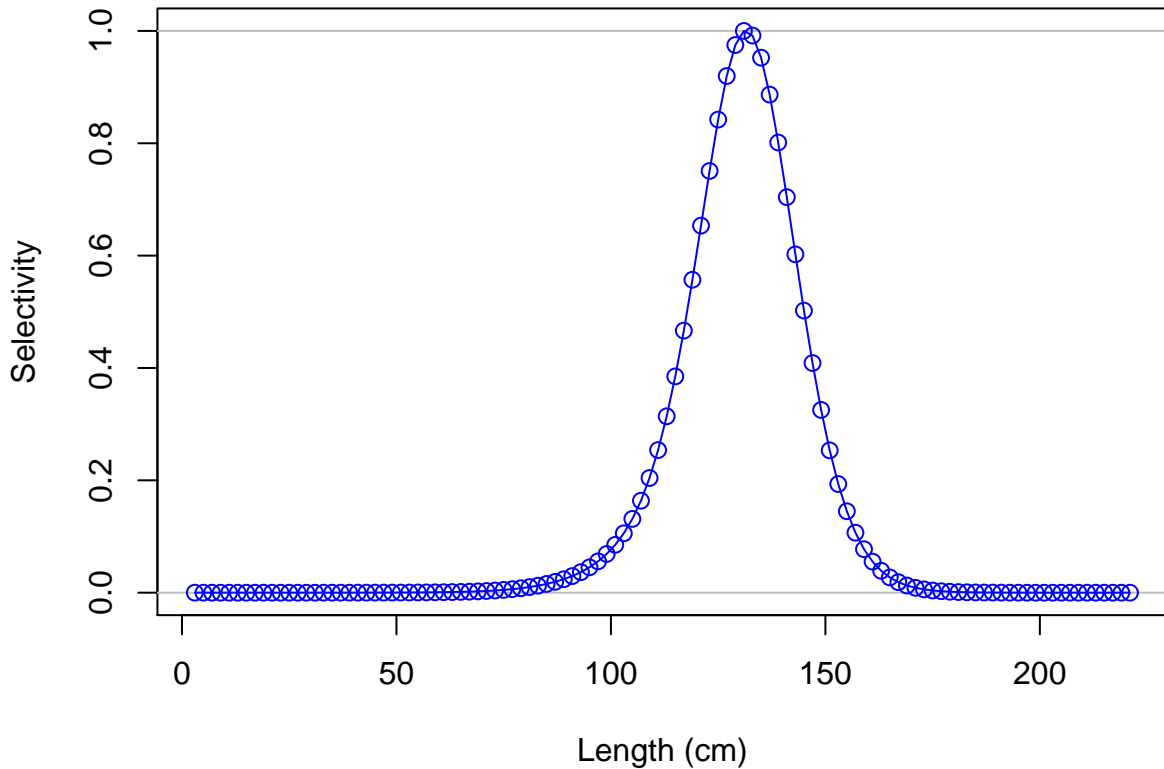
## Female ending year selectivity for A6-LL-n



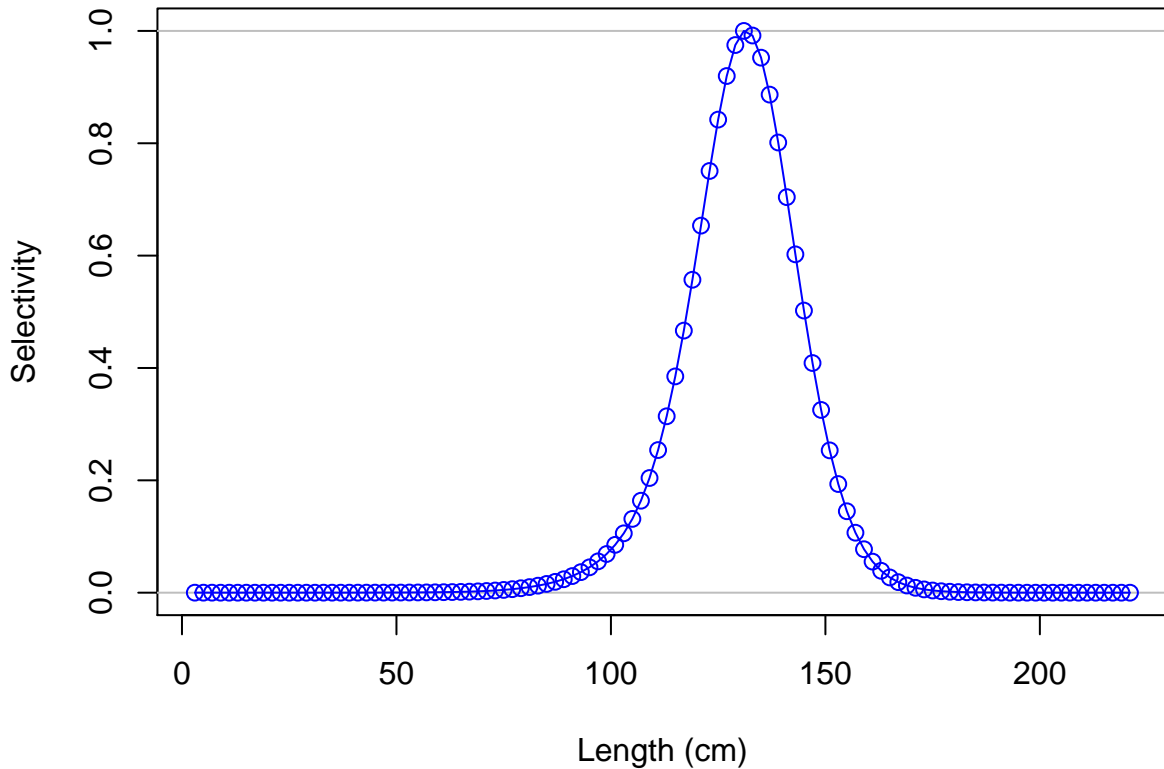
## Male ending year selectivity for A6-LL-n



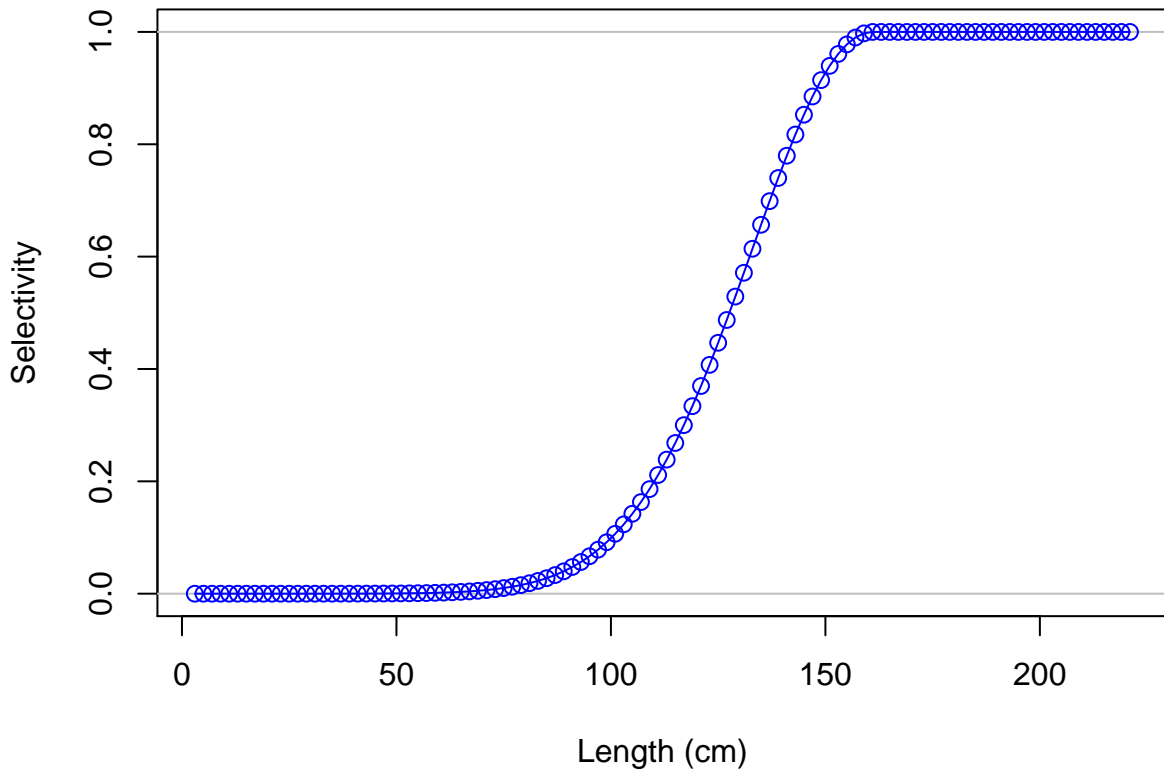
## Female ending year selectivity for A1-LL-w



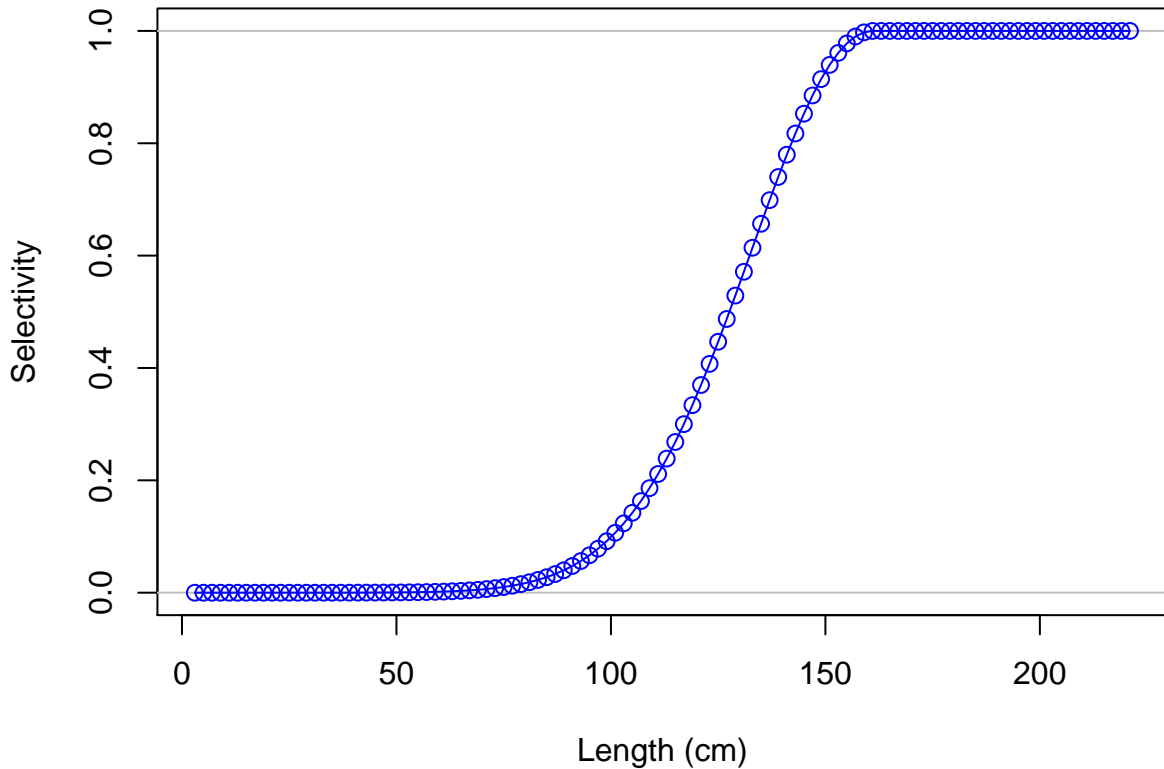
# Male ending year selectivity for A1-LL-w



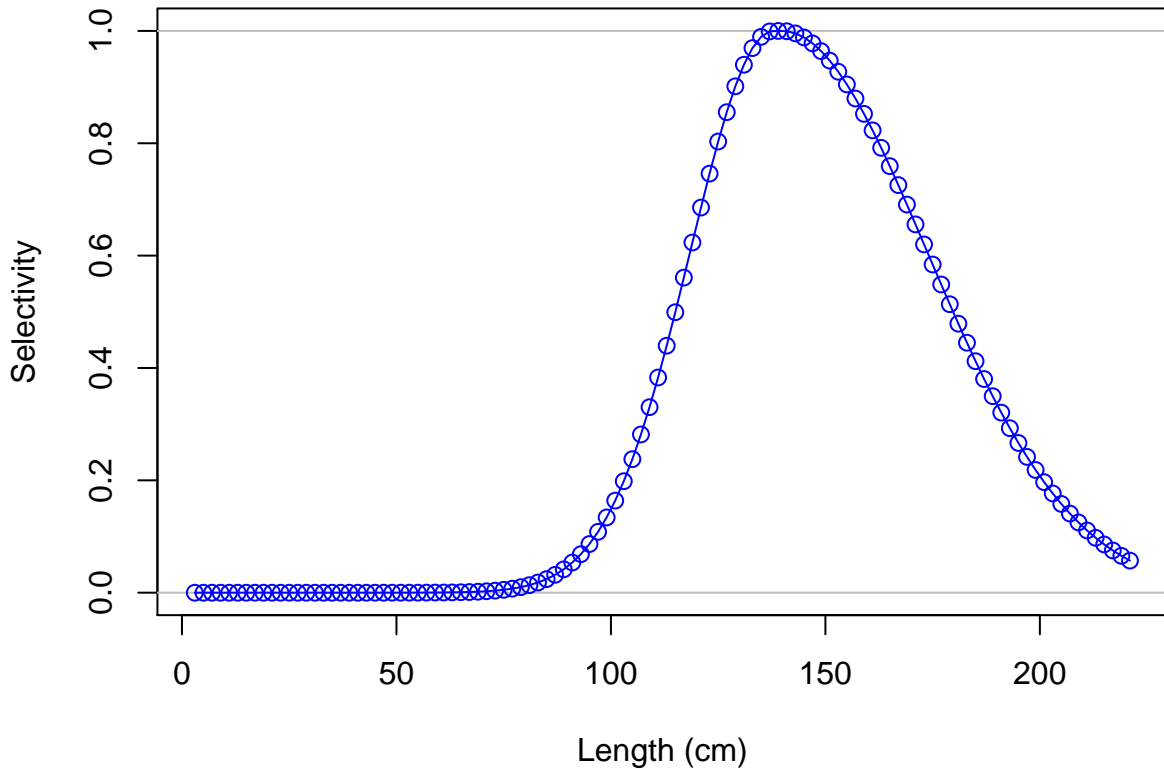
## Female ending year selectivity for A2-LL-w



# Male ending year selectivity for A2-LL-w

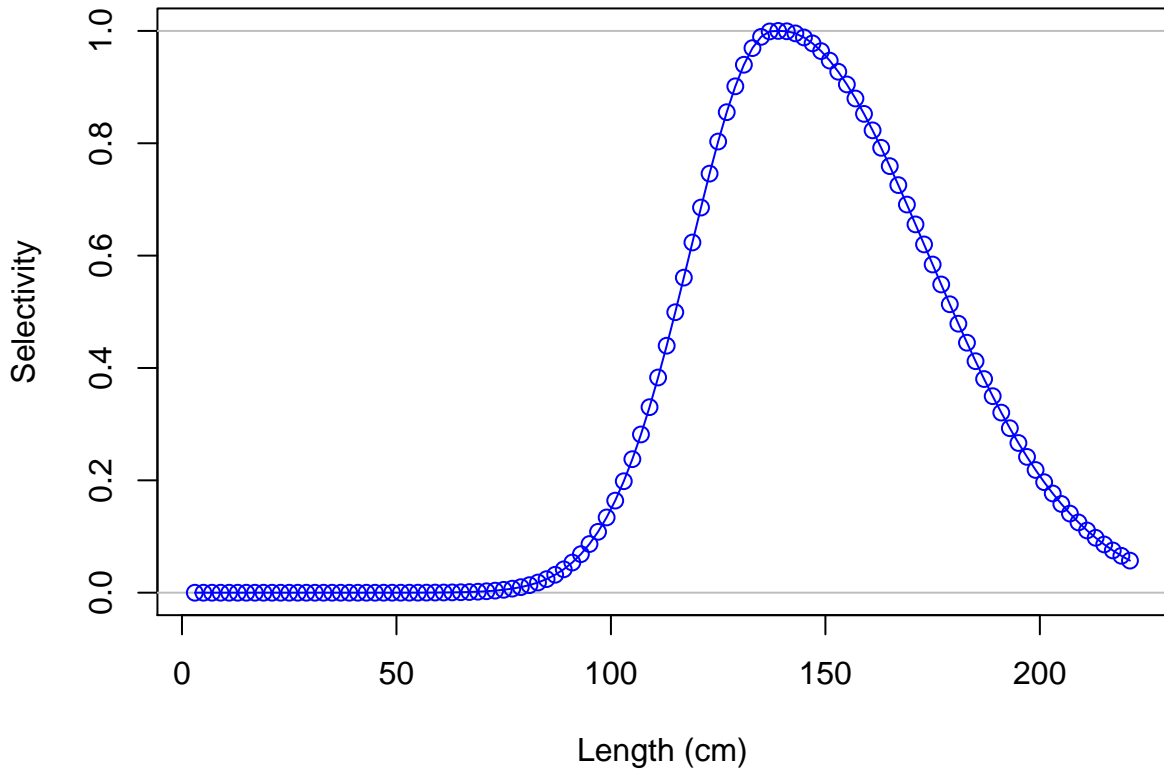


## Female ending year selectivity for A3-LL-w

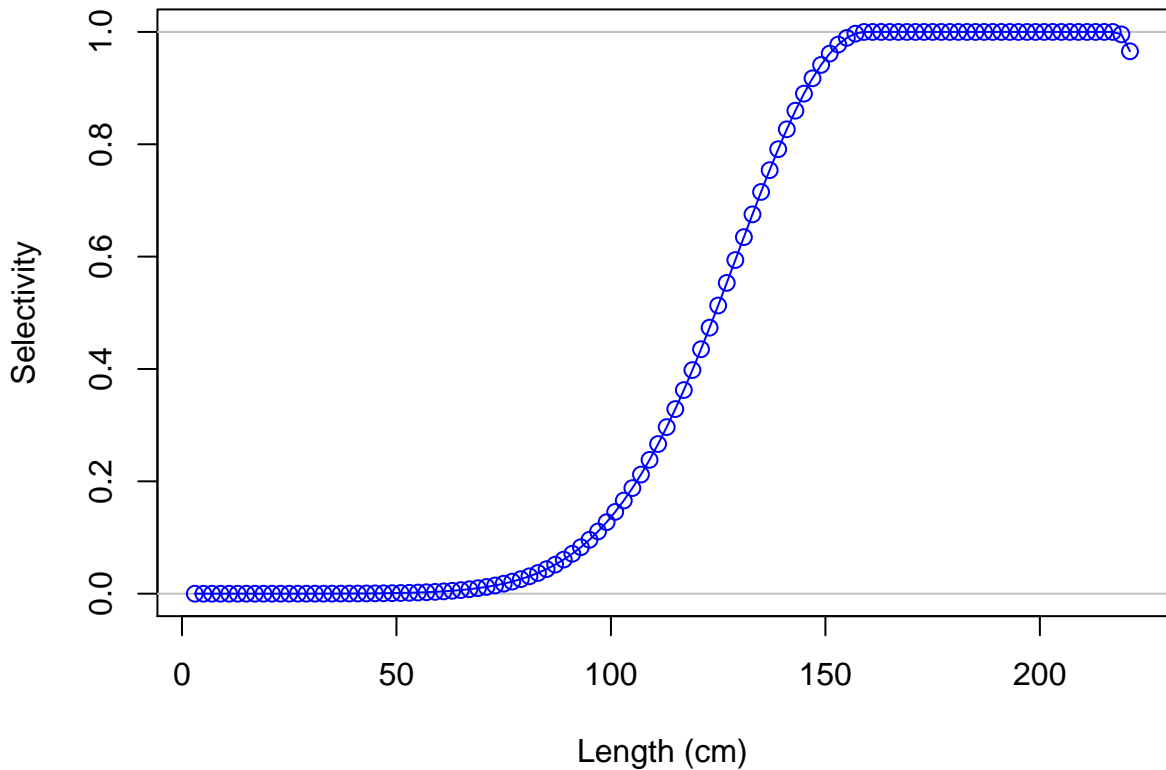




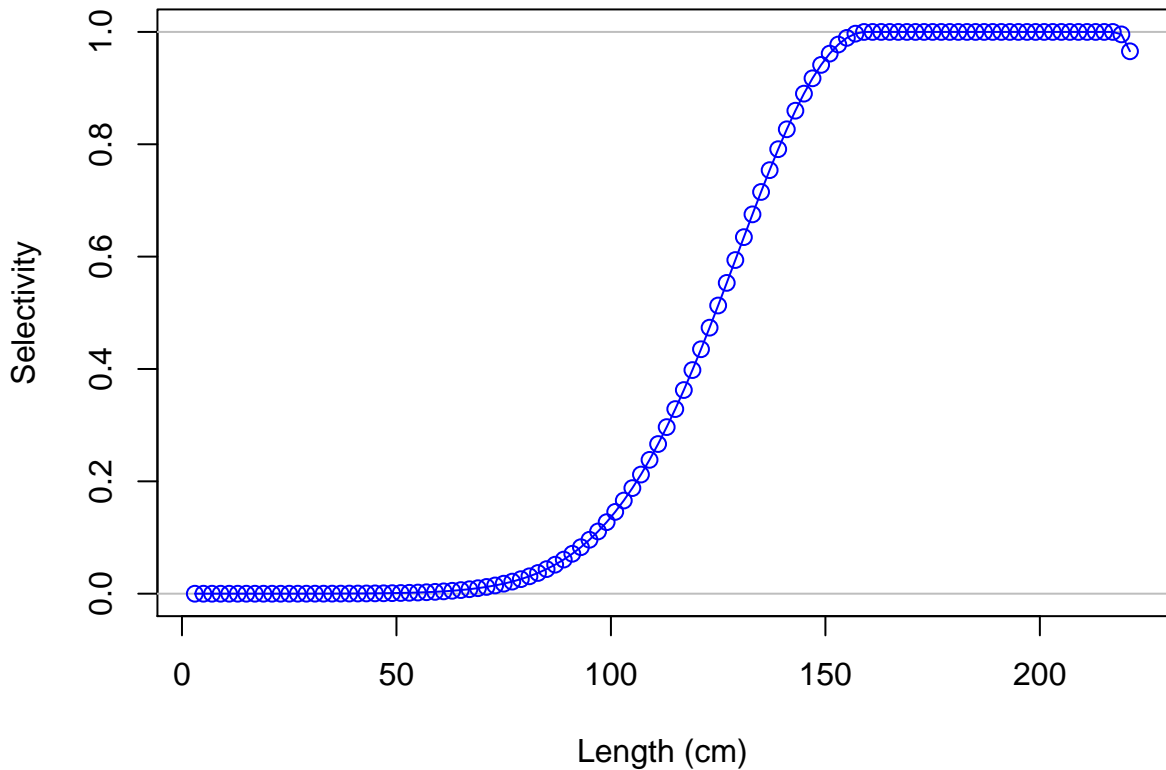
## Male ending year selectivity for A3-LL-w



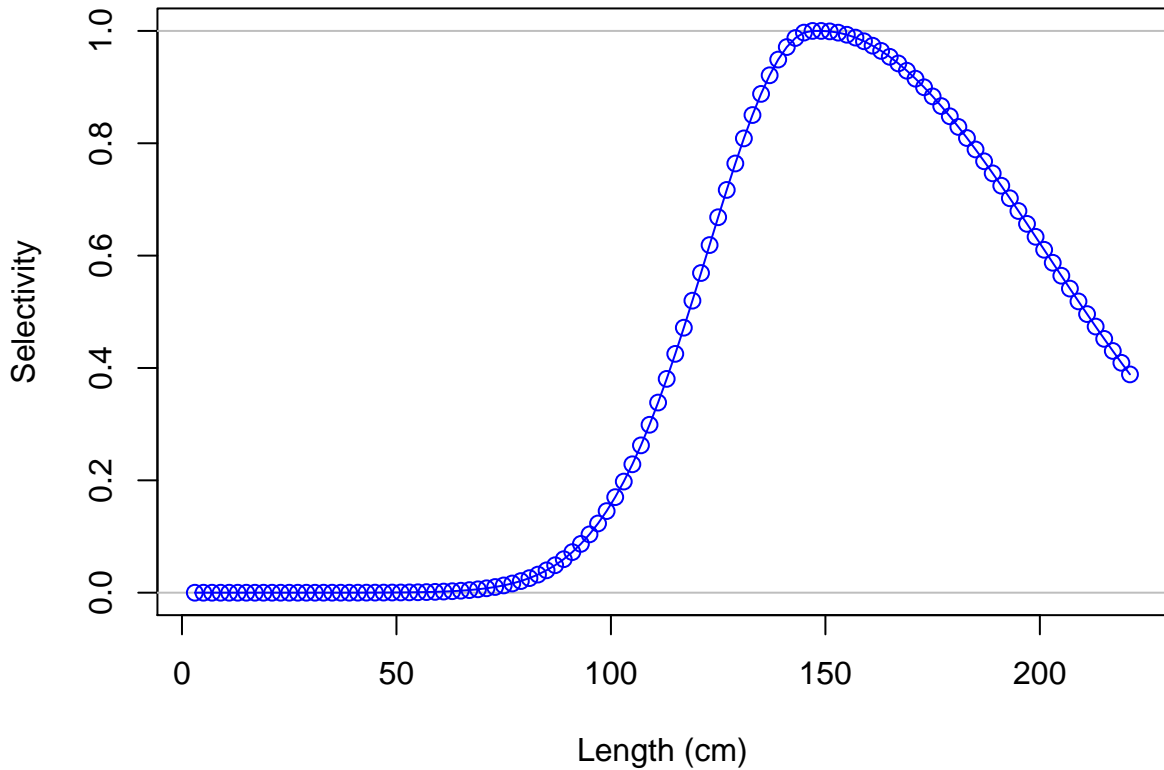
## Female ending year selectivity for A4-LL-w



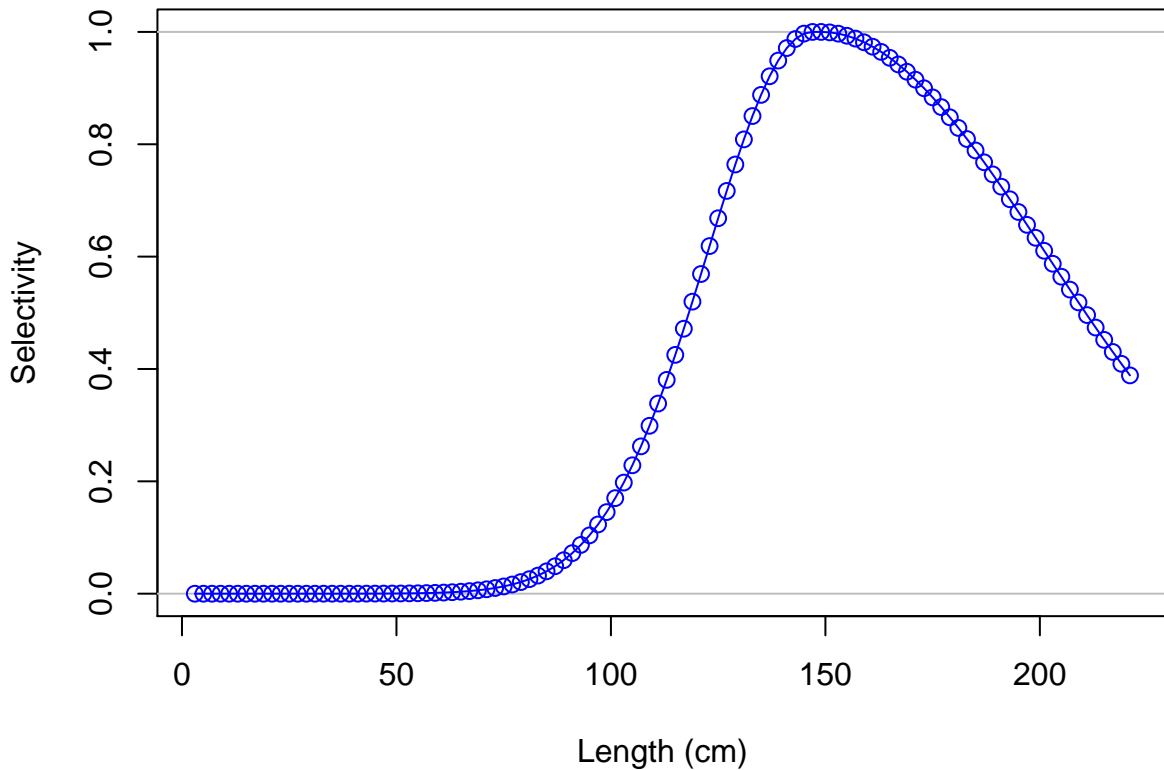
### Male ending year selectivity for A4-LL-w



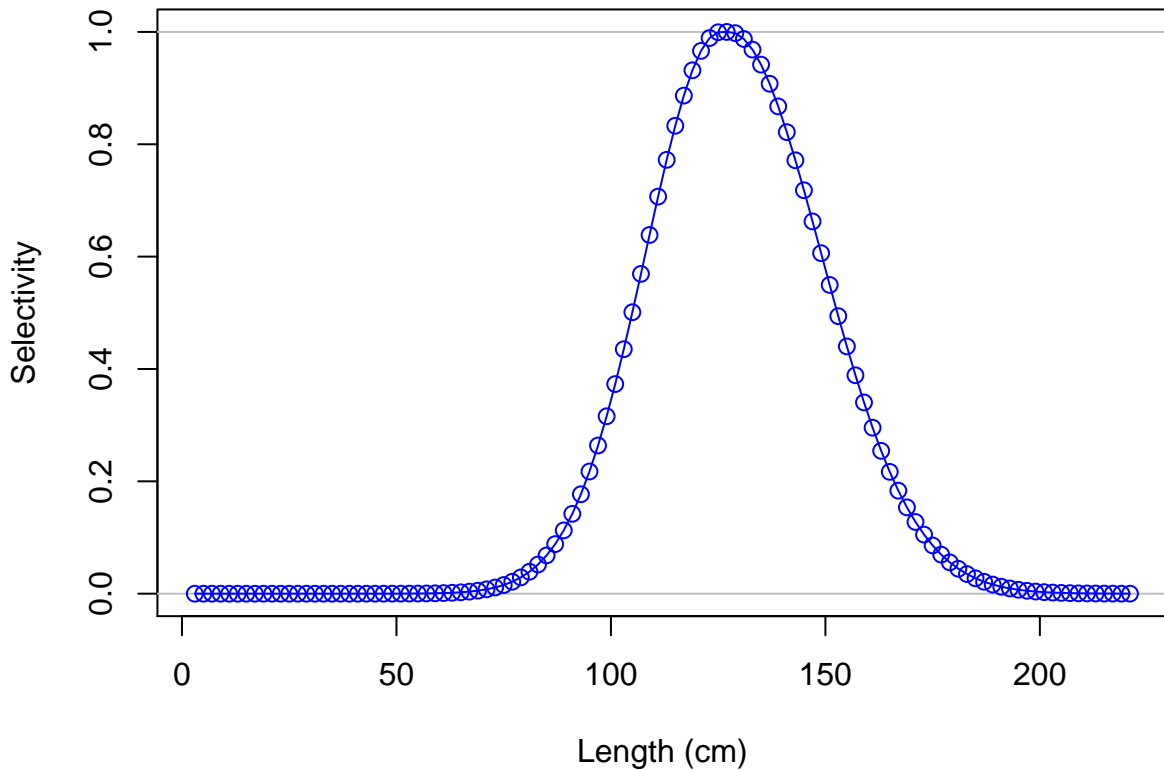
## Female ending year selectivity for A5-LL-w



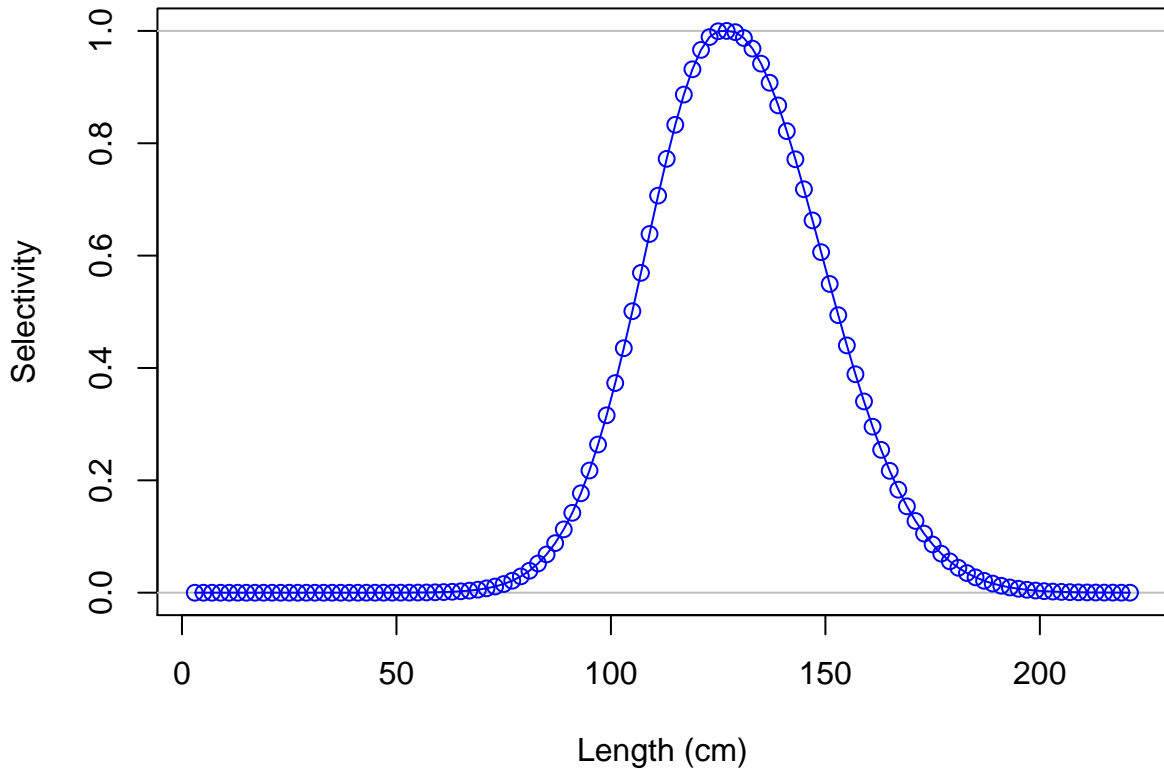
## Male ending year selectivity for A5-LL-w



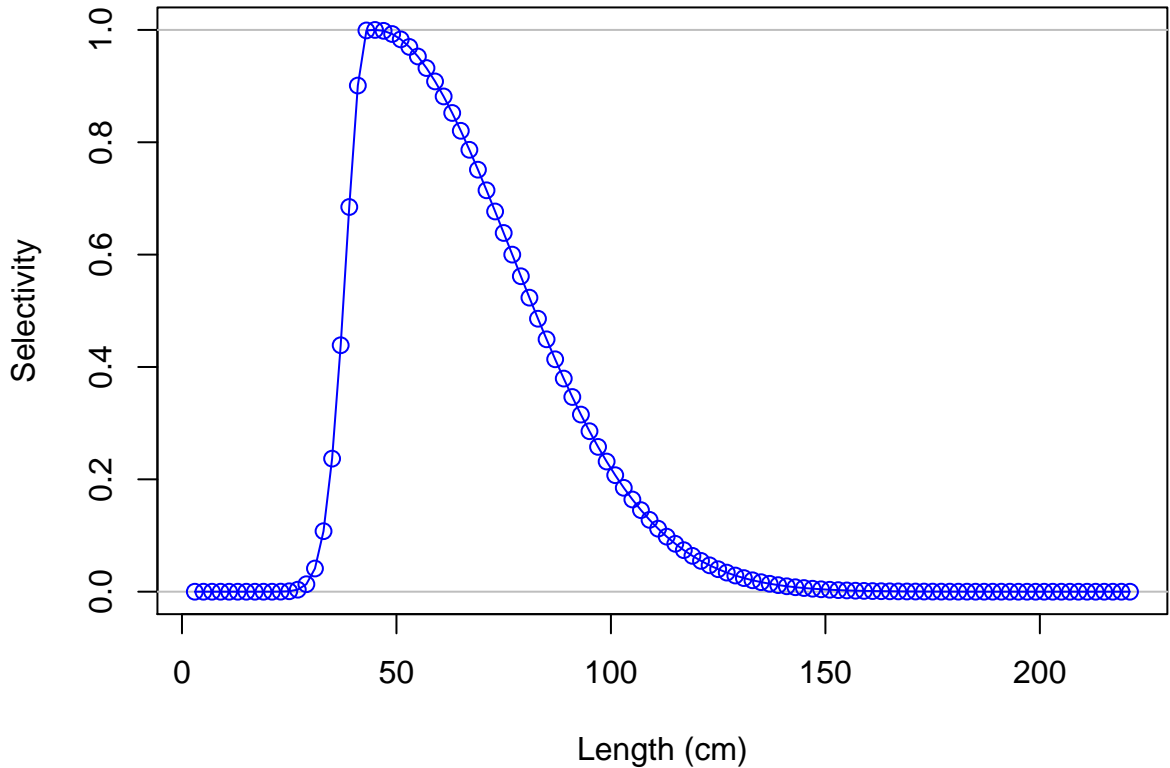
## Female ending year selectivity for A6-LL-w



## Male ending year selectivity for A6-LL-w

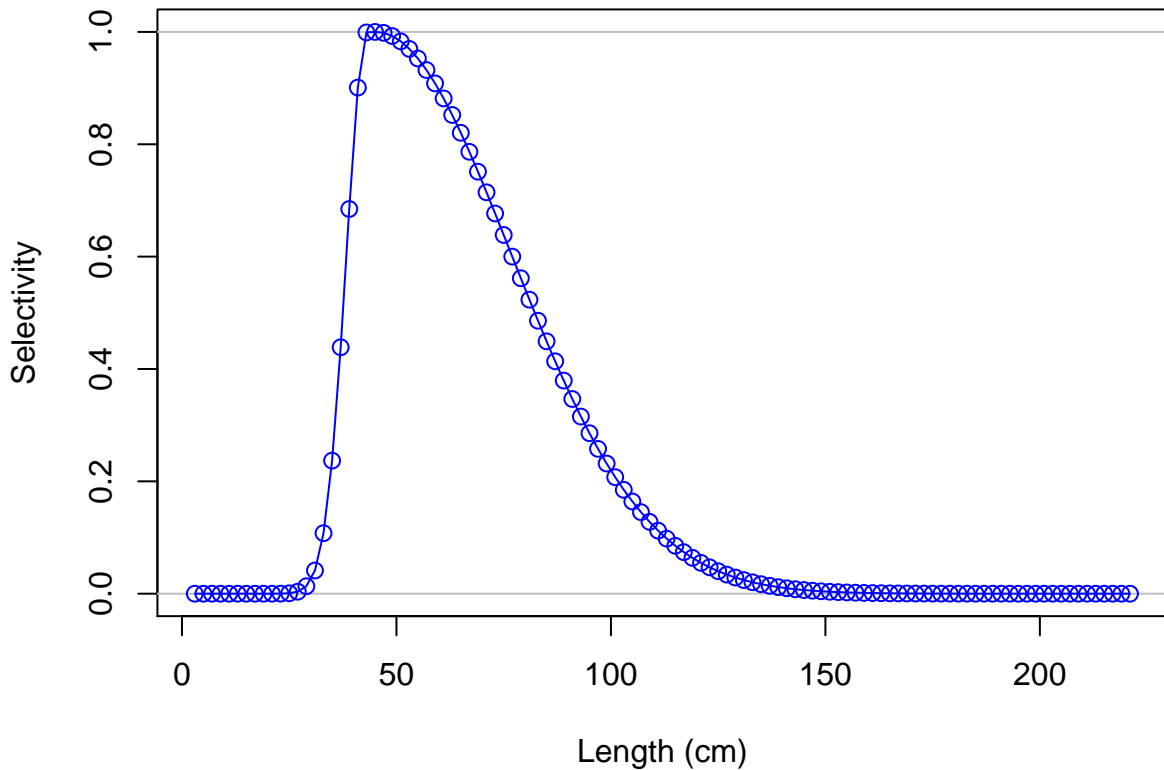


## Female ending year selectivity for A2-OBJ

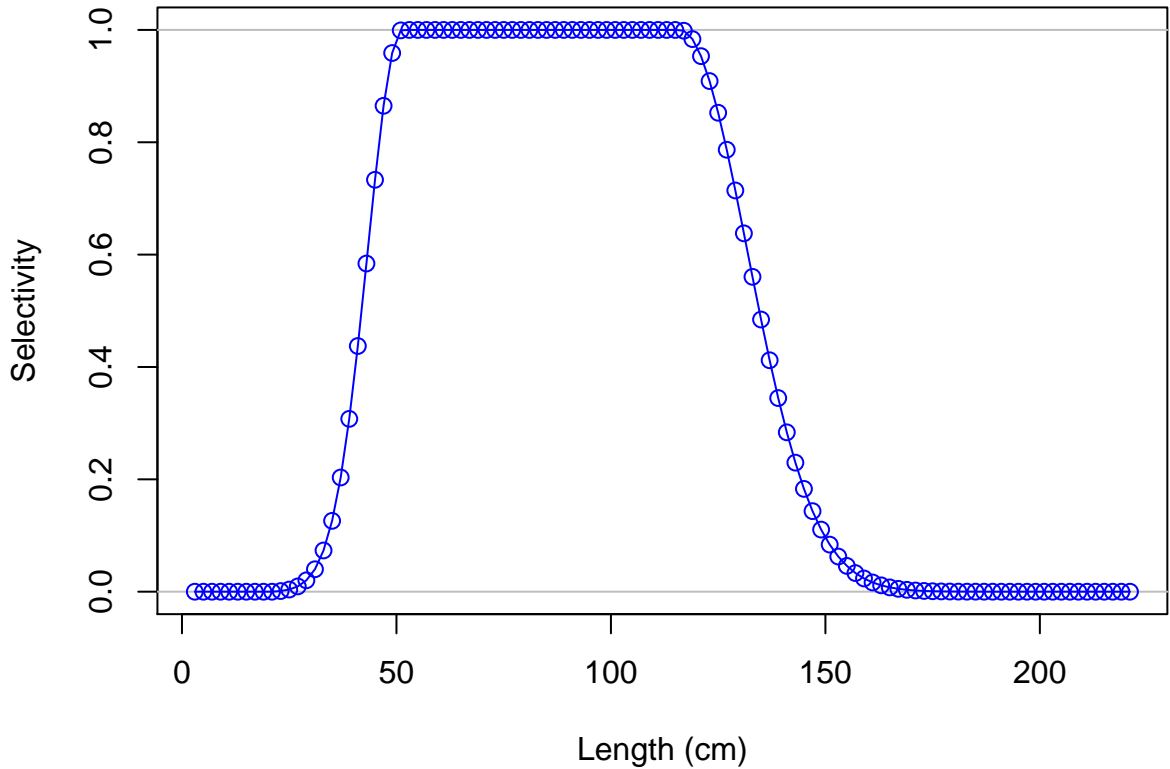




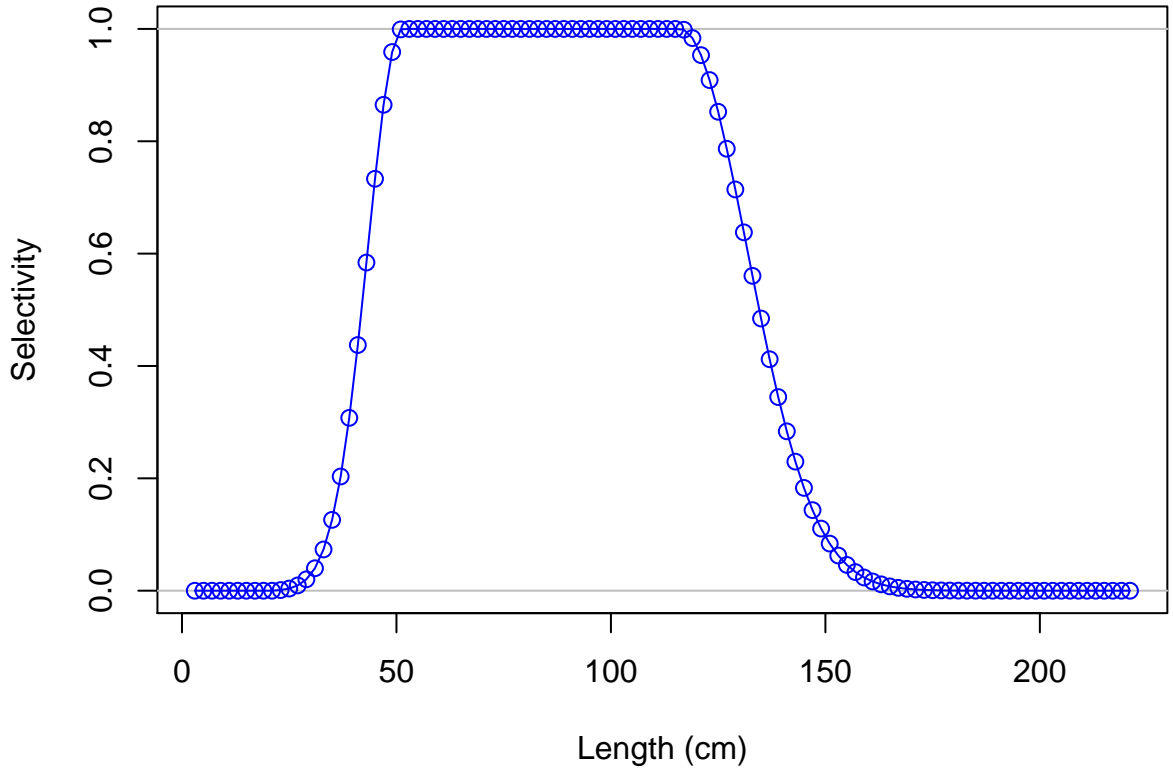
## Male ending year selectivity for A2-OBJ



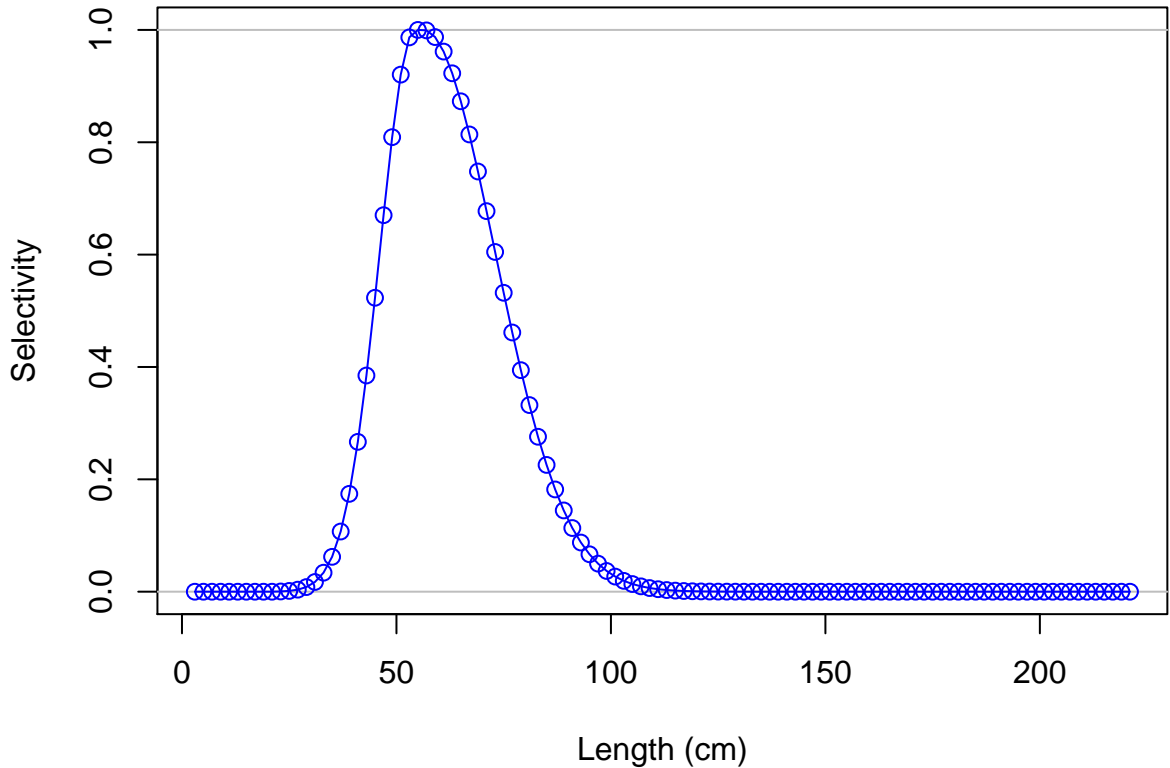
## Female ending year selectivity for A3-OBJ



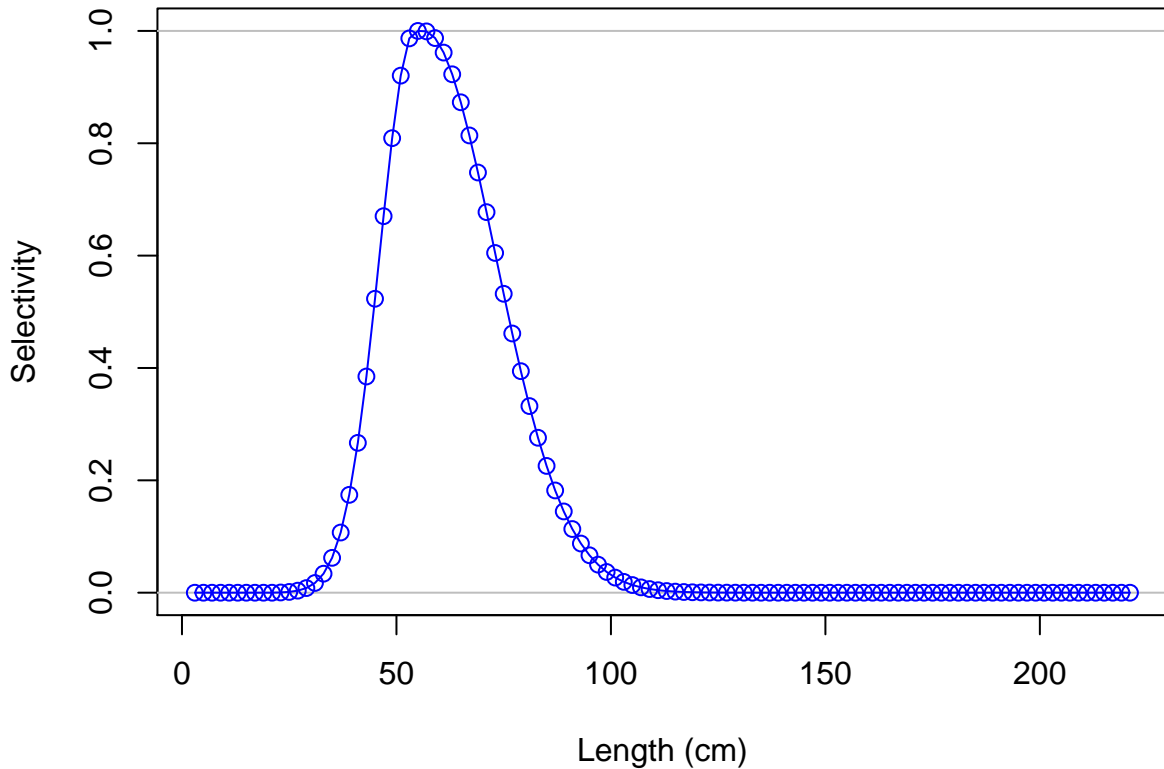
# Male ending year selectivity for A3-OBJ



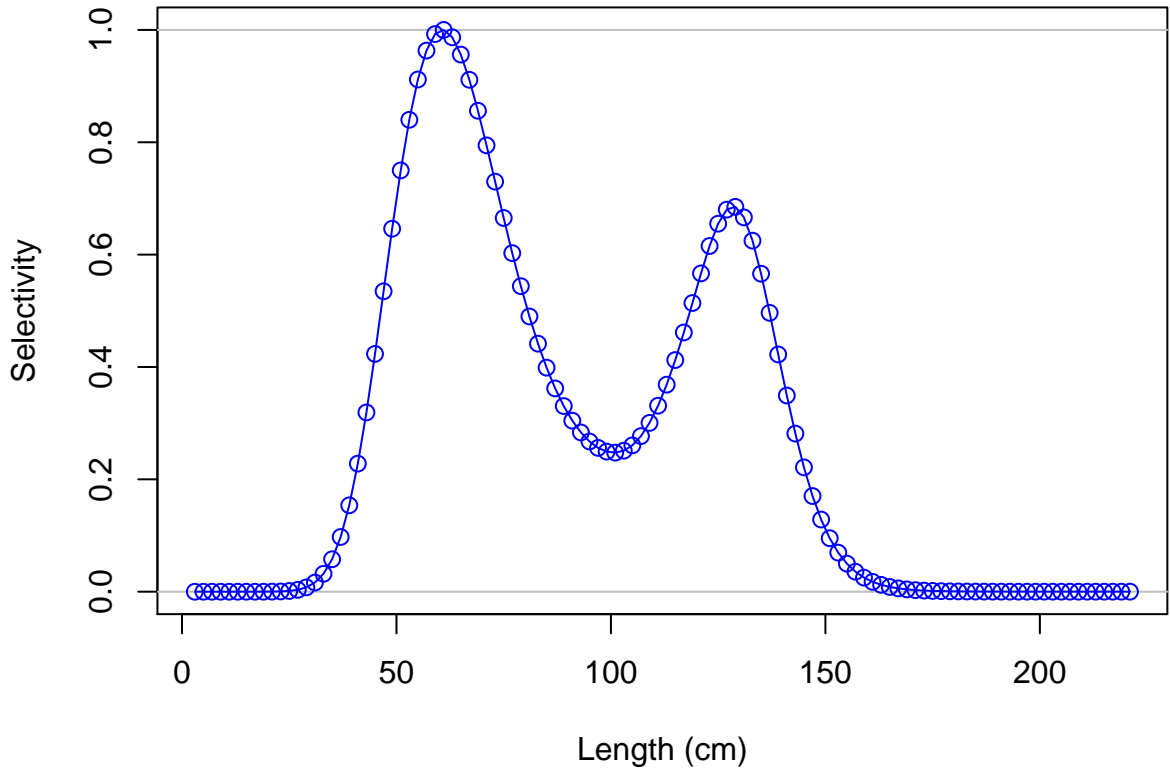
## Female ending year selectivity for A4-OBJ



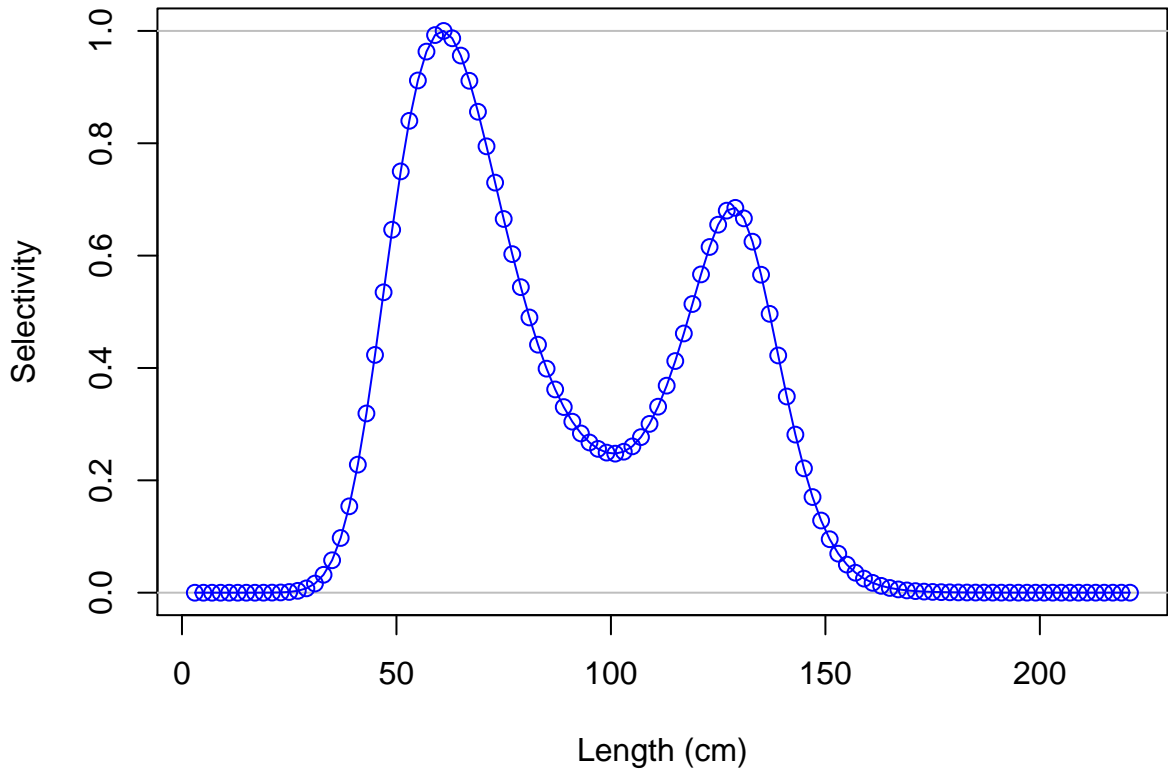
# Male ending year selectivity for A4-OBJ



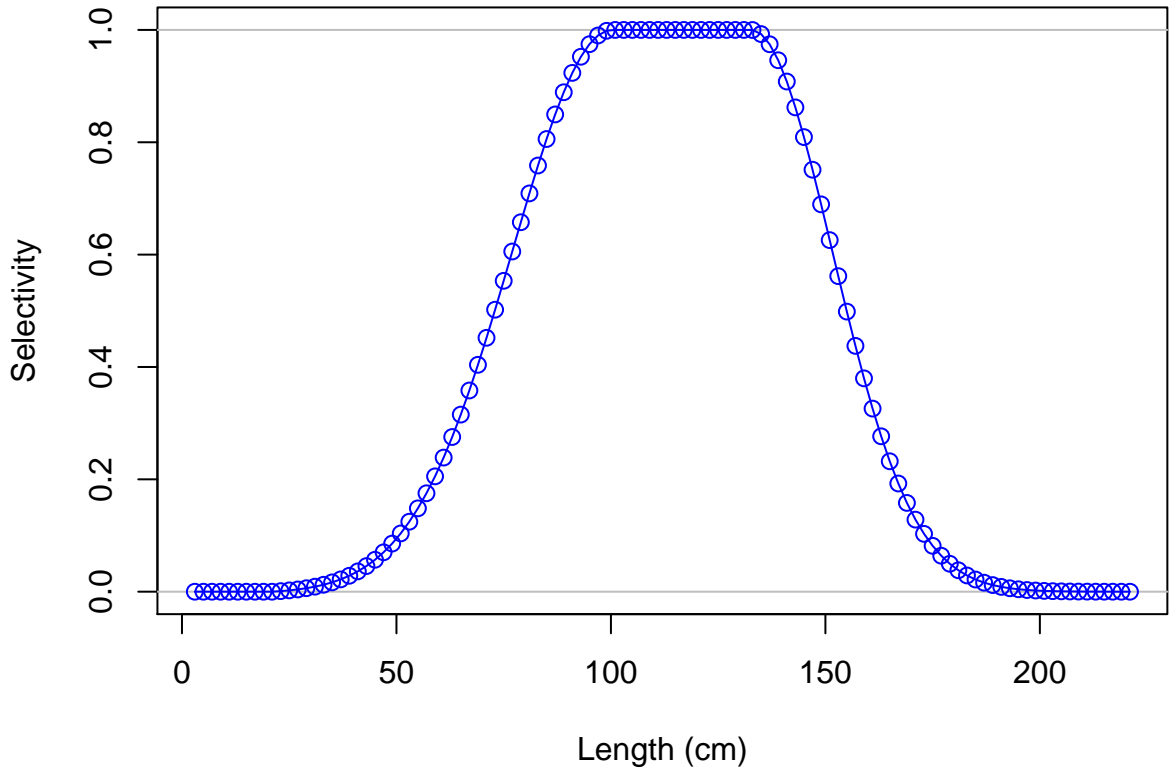
## Female ending year selectivity for A5-OBJ



## Male ending year selectivity for A5-OBJ

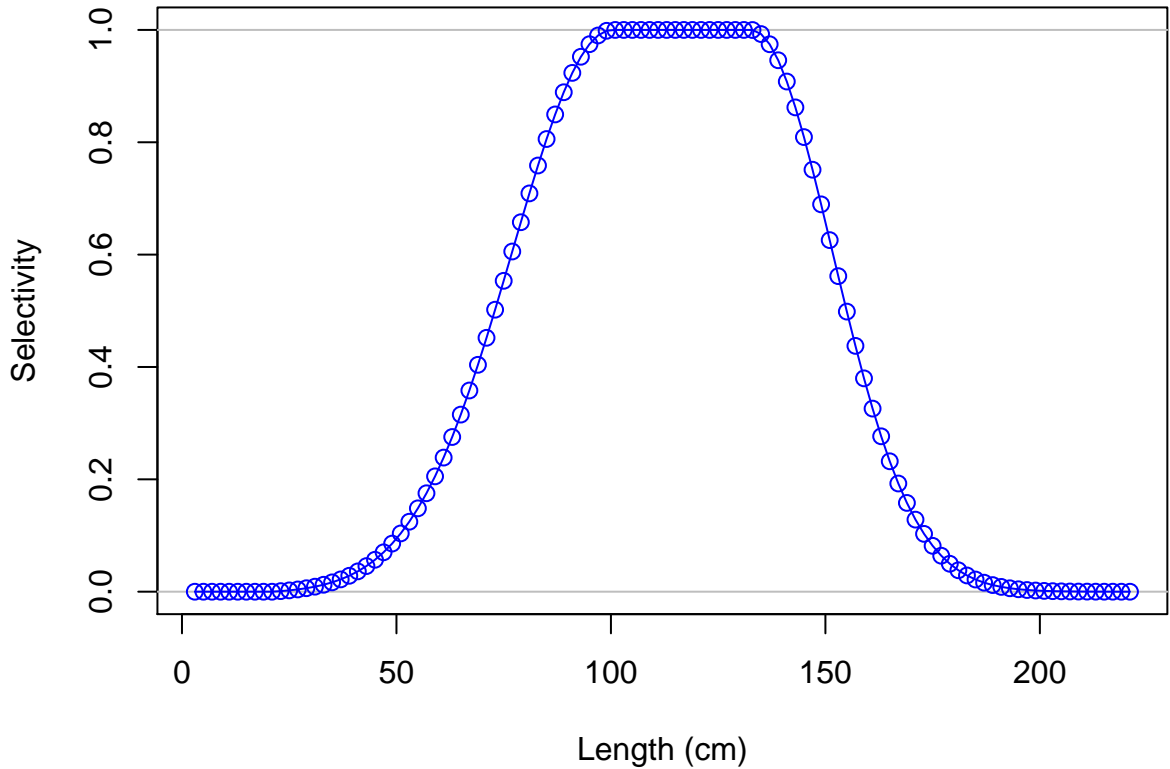


## Female ending year selectivity for A6-OBJ

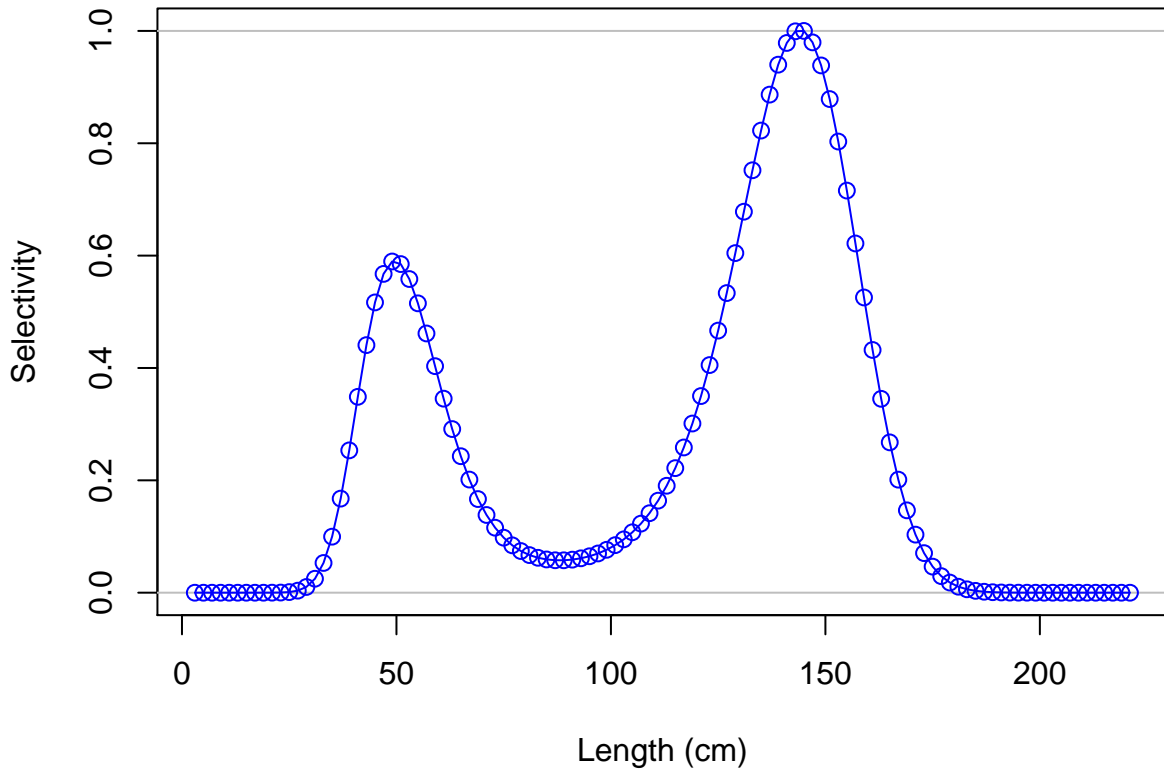




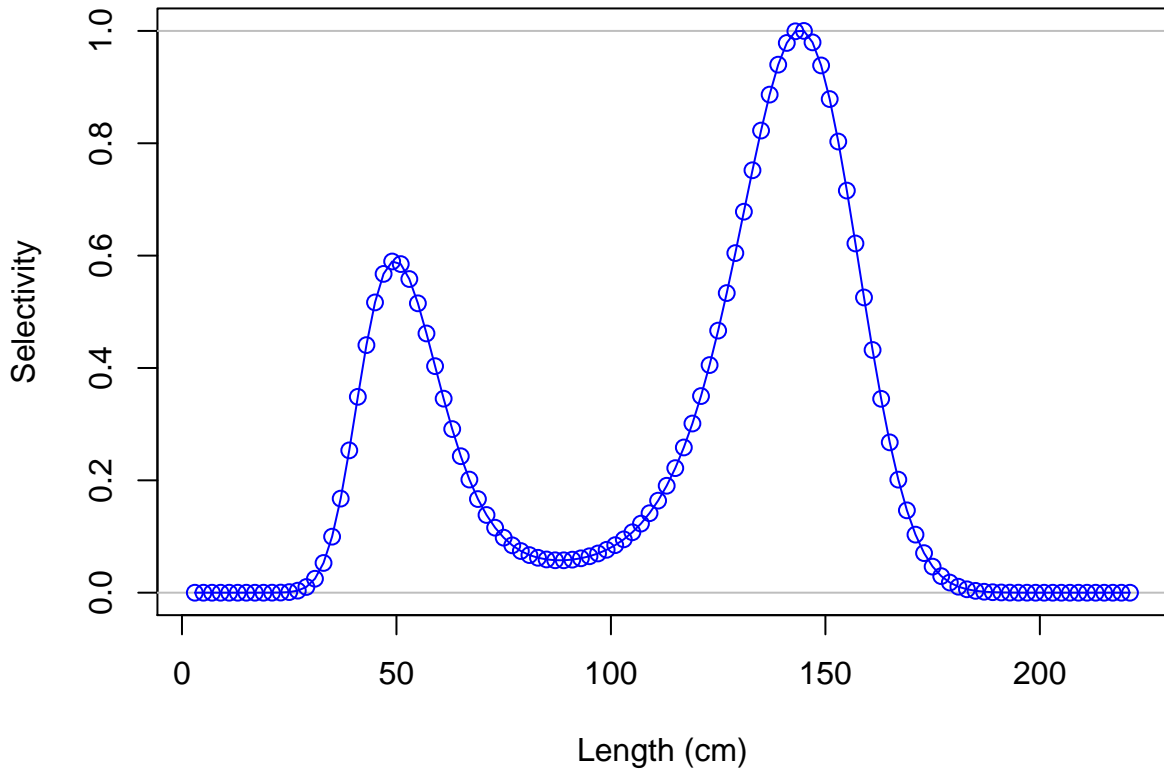
# Male ending year selectivity for A6-OBJ



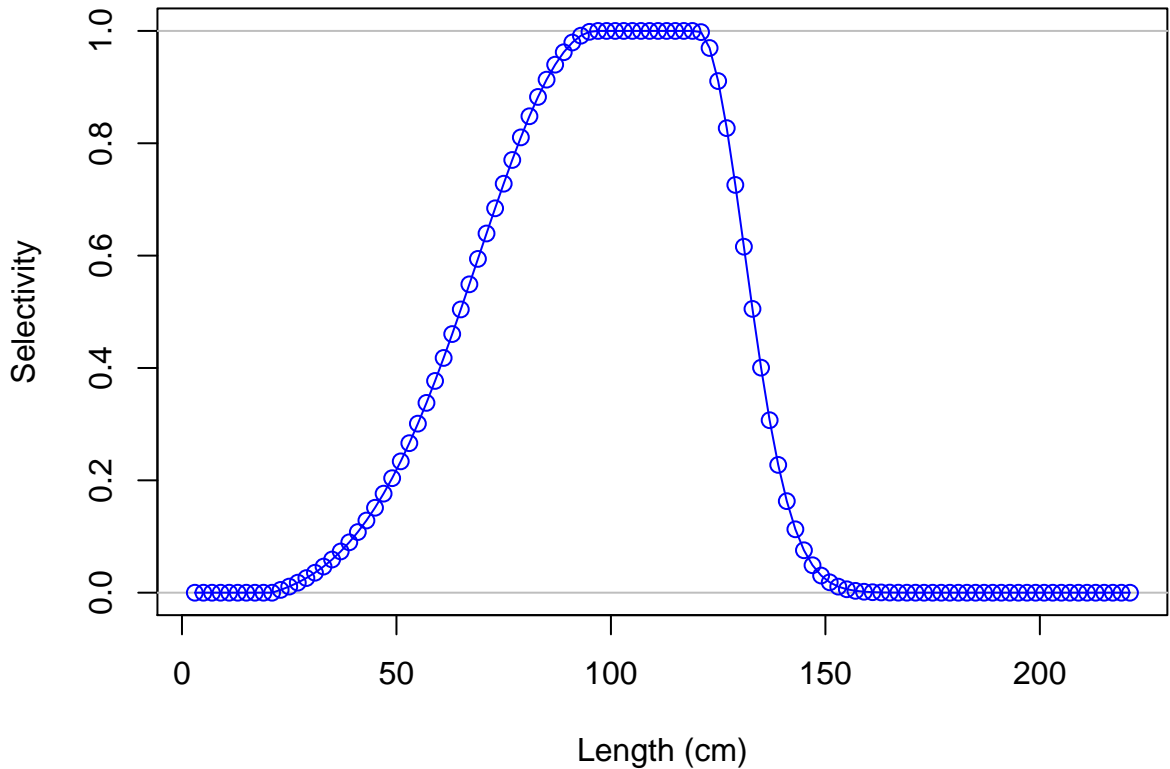
## Female ending year selectivity for A2-NOADEL



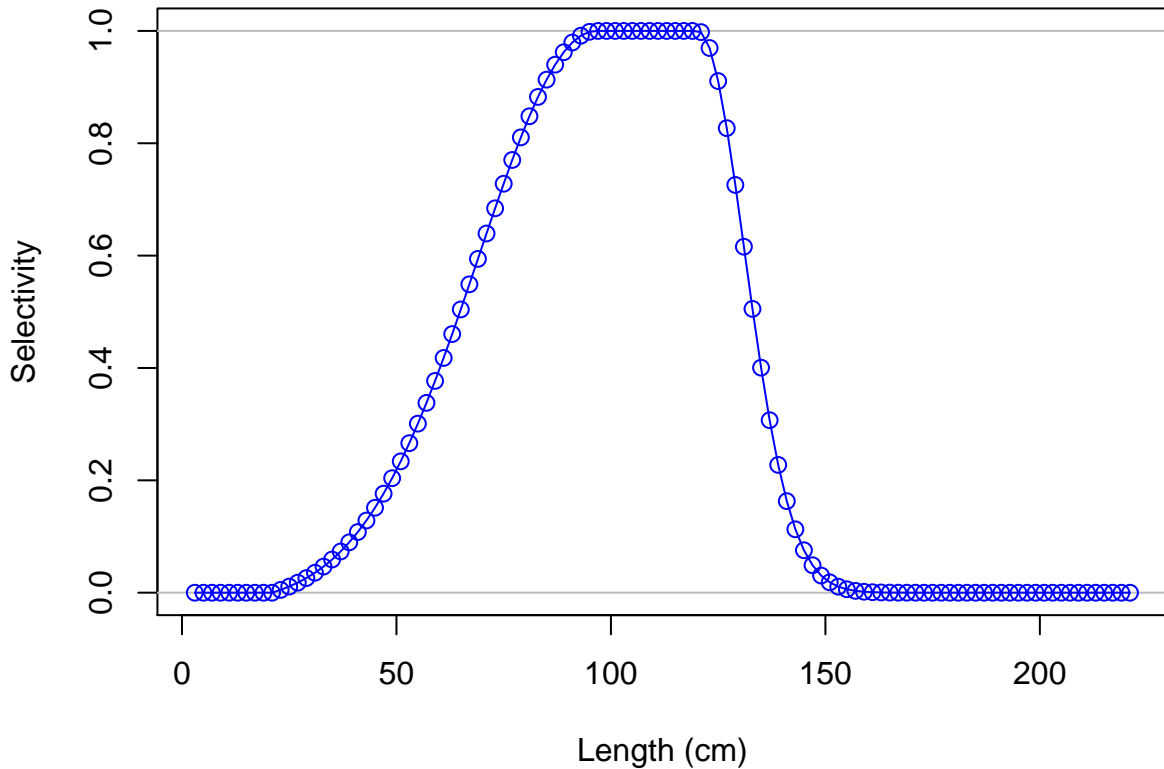
## Male ending year selectivity for A2-NOADEL



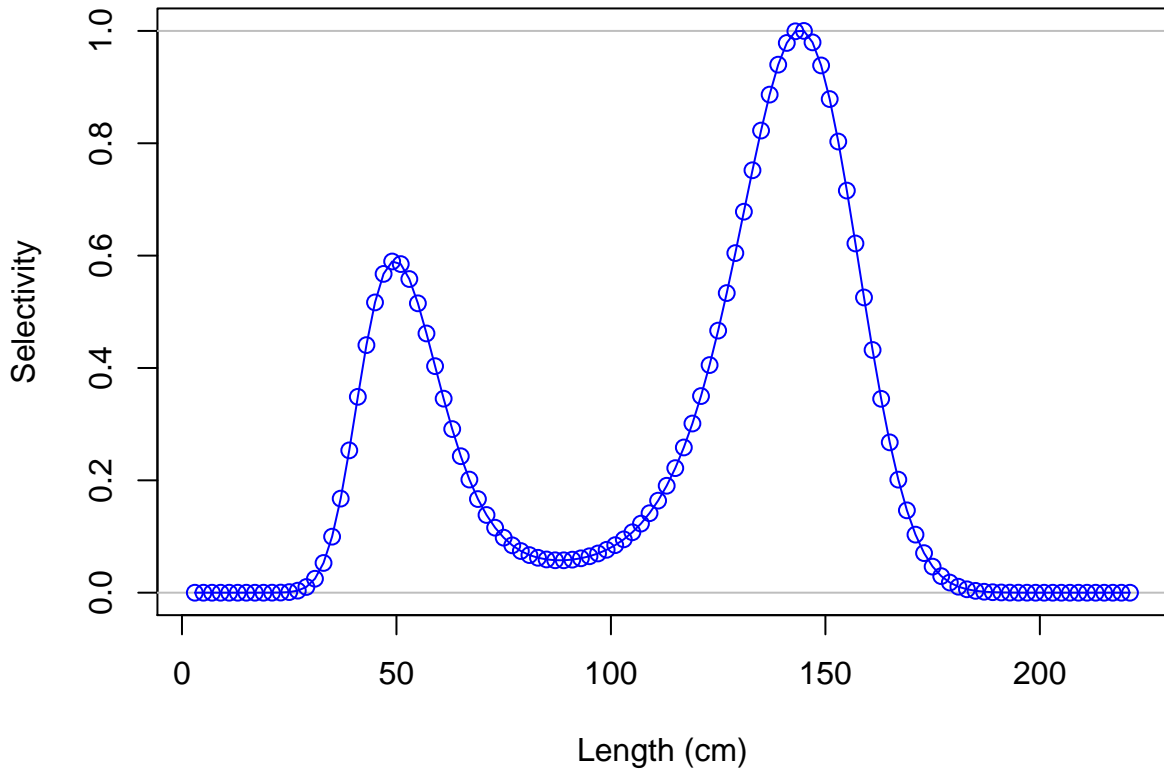
## Female ending year selectivity for A3-NOADEL



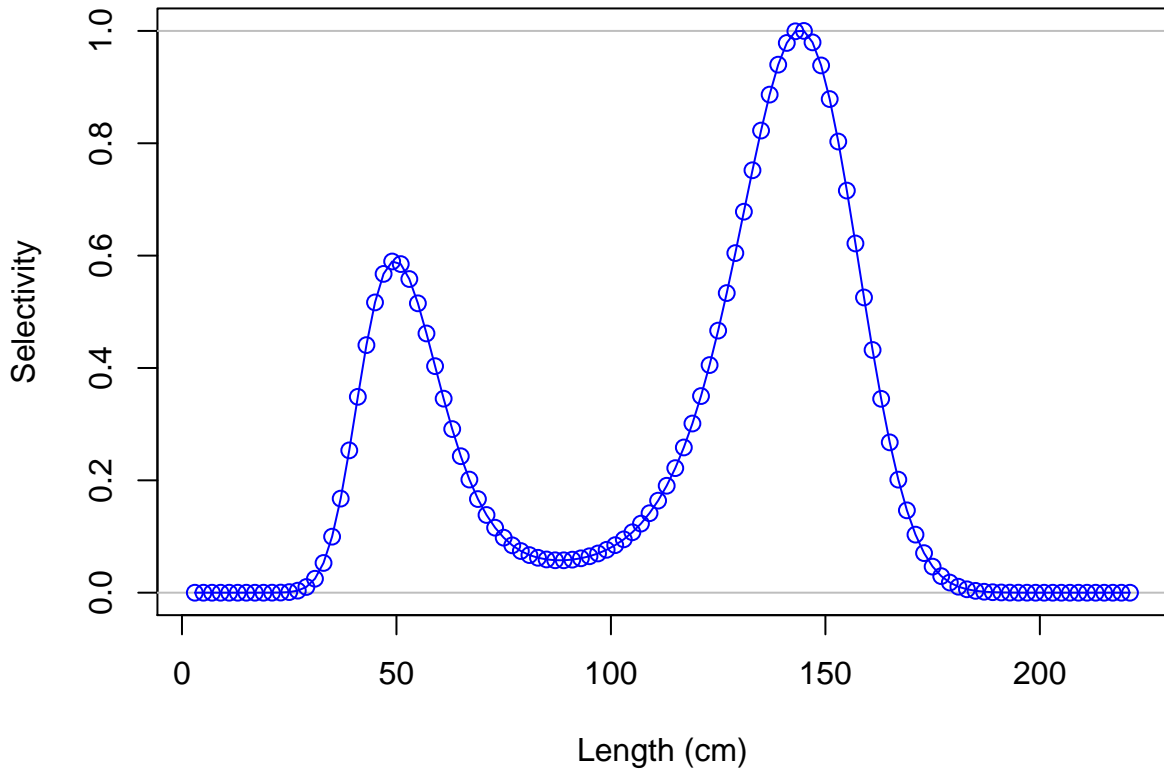
# Male ending year selectivity for A3-NOADEL



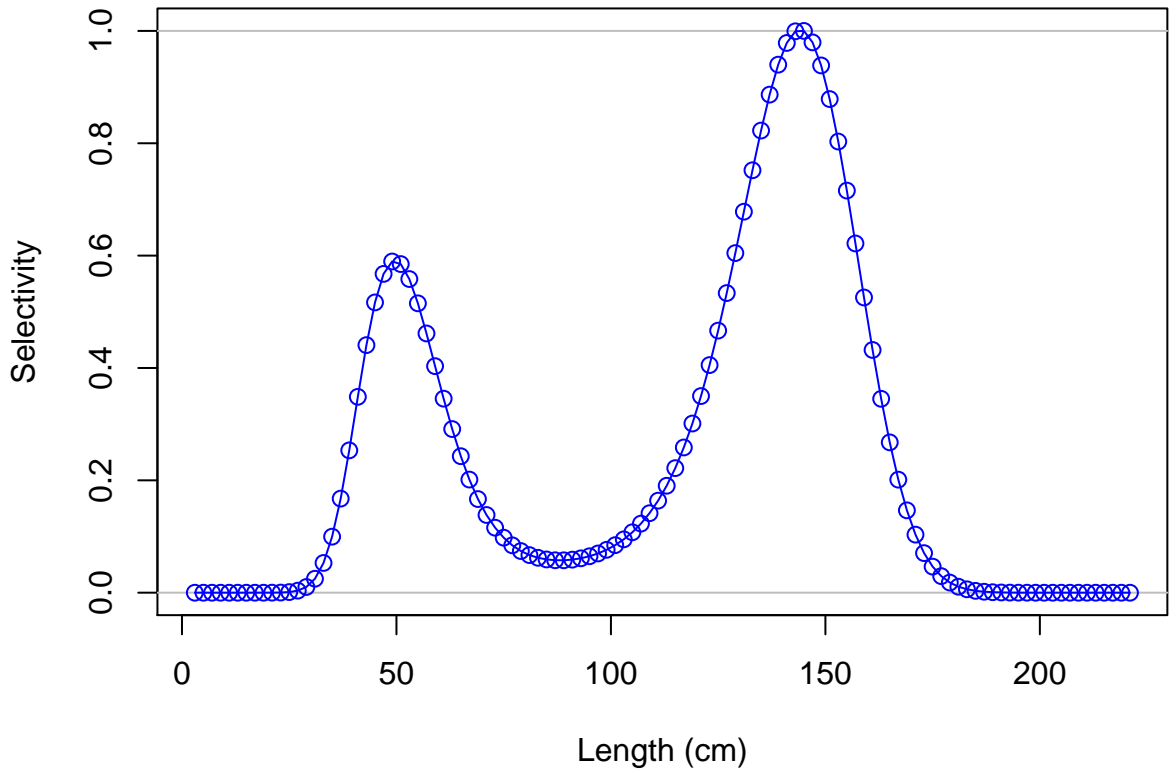
## Female ending year selectivity for A4-NOADEL



## Male ending year selectivity for A4-NOADEL

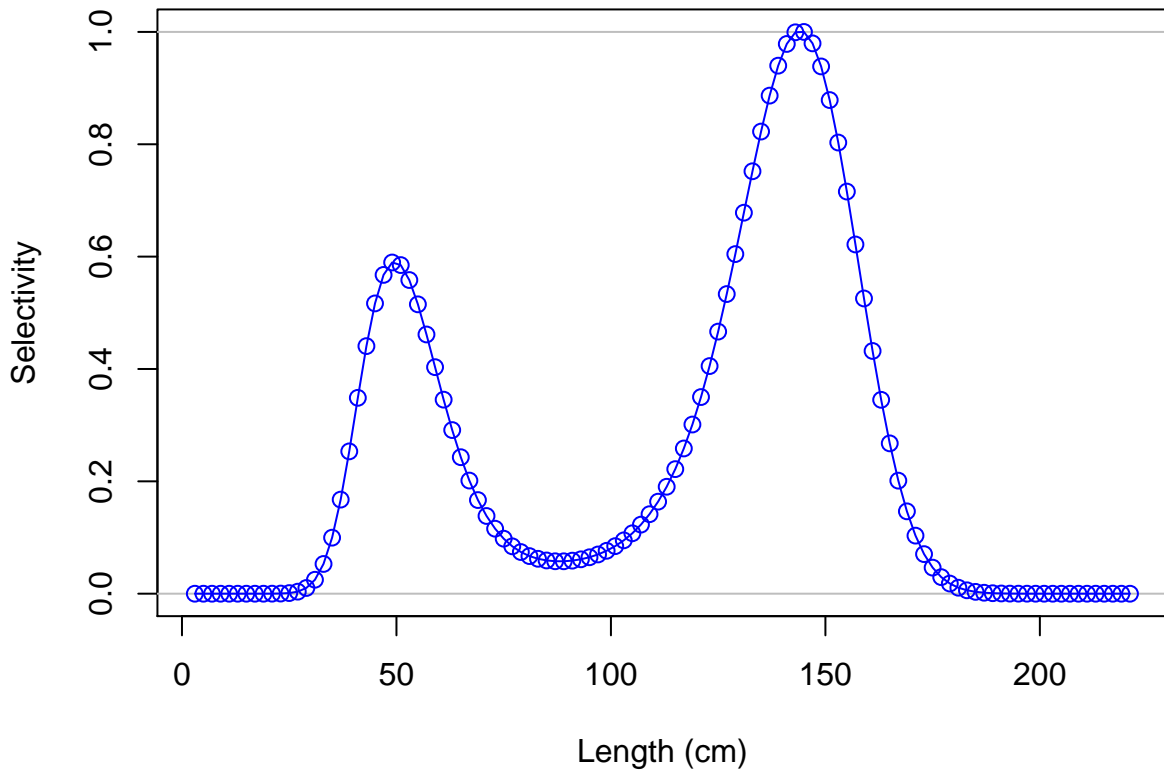


## Female ending year selectivity for A5-NOADEL

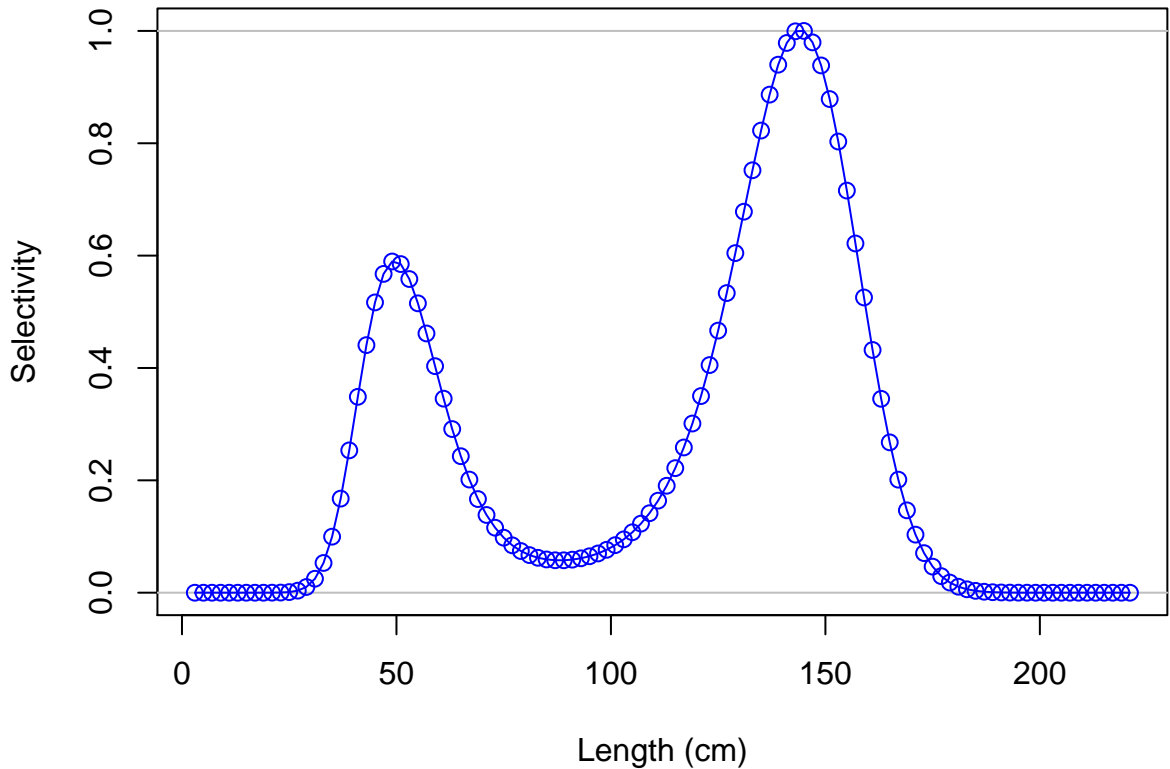




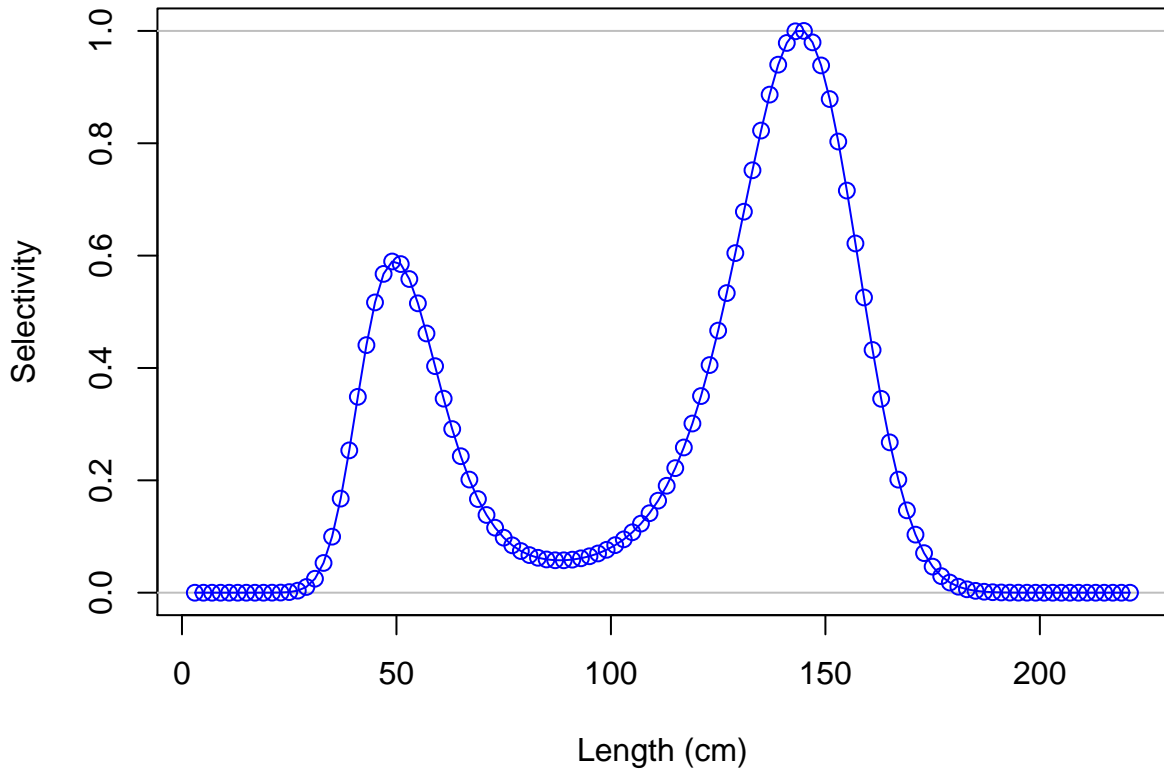
## Male ending year selectivity for A5-NOADEL



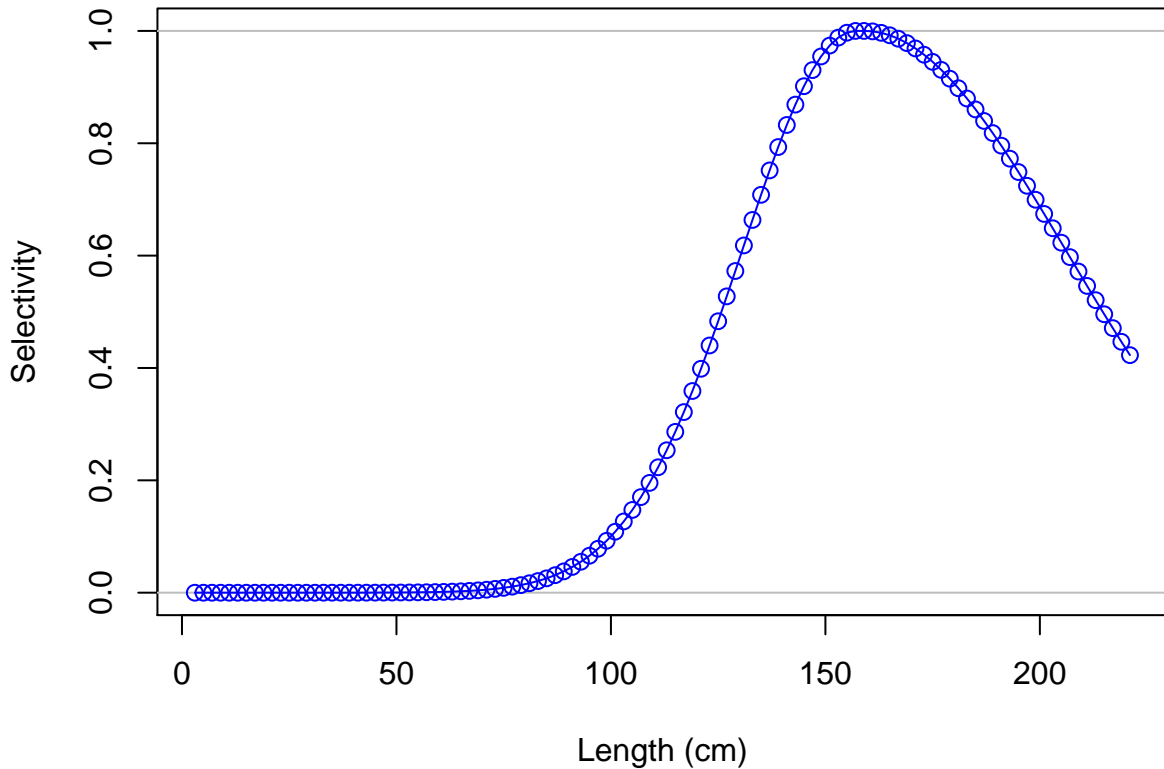
## Female ending year selectivity for A6-NOADEL



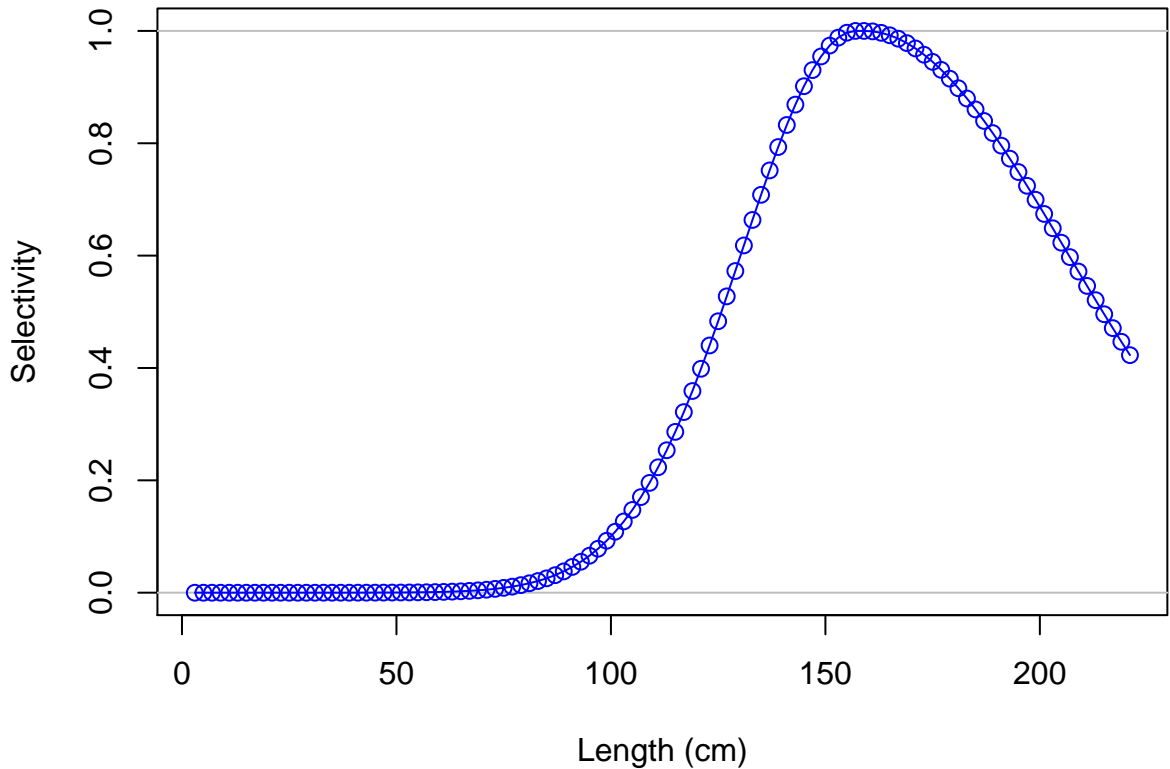
## Male ending year selectivity for A6-NOADEL



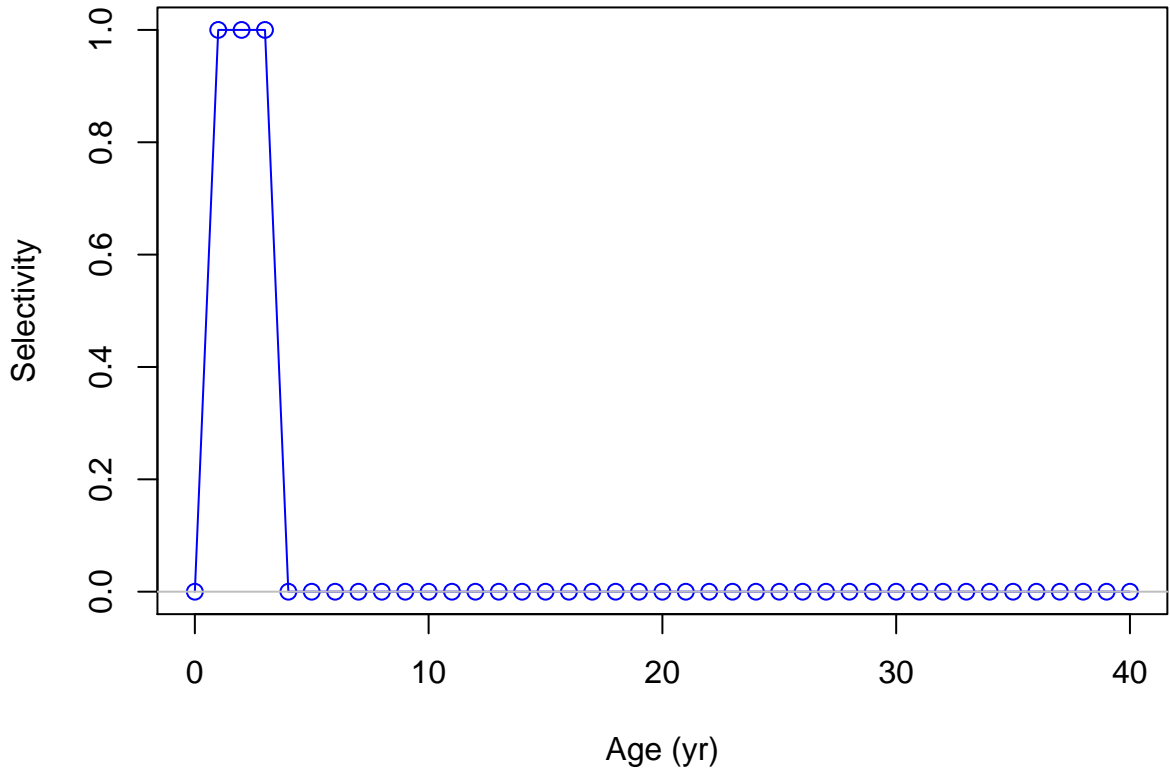
# Female ending year selectivity for EPO-LL-survey-late



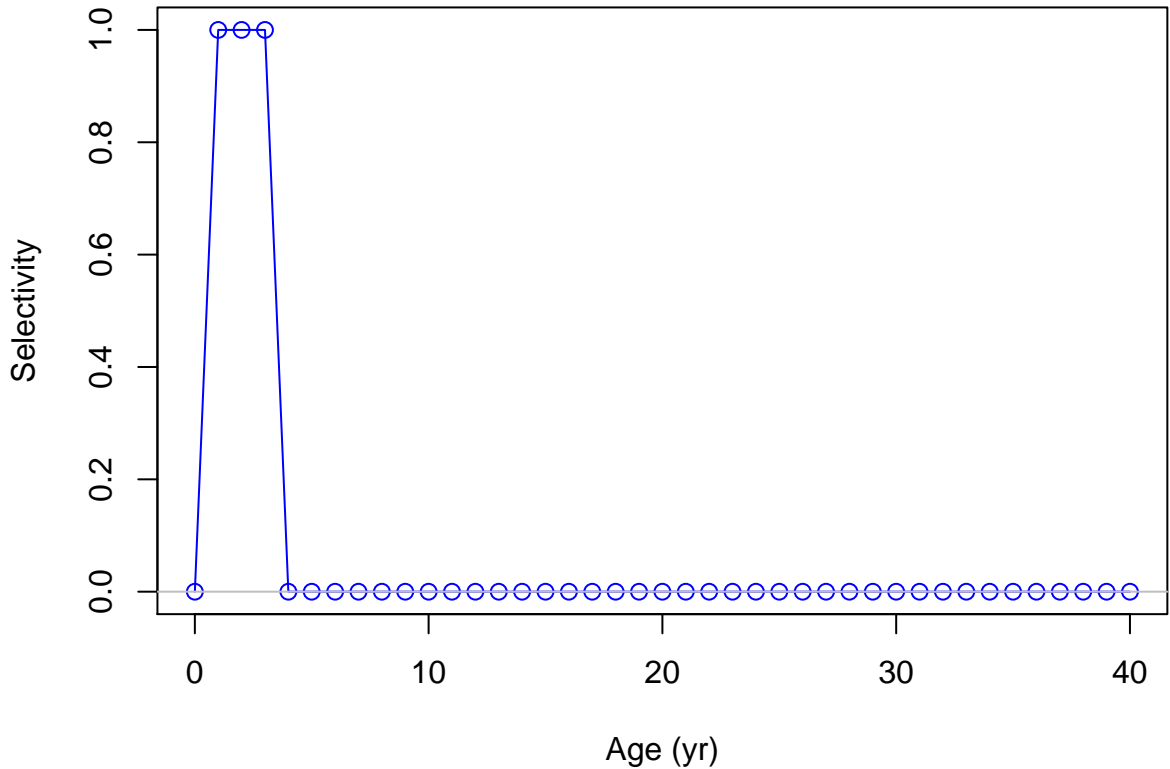
# Male ending year selectivity for EPO-LL-survey-late



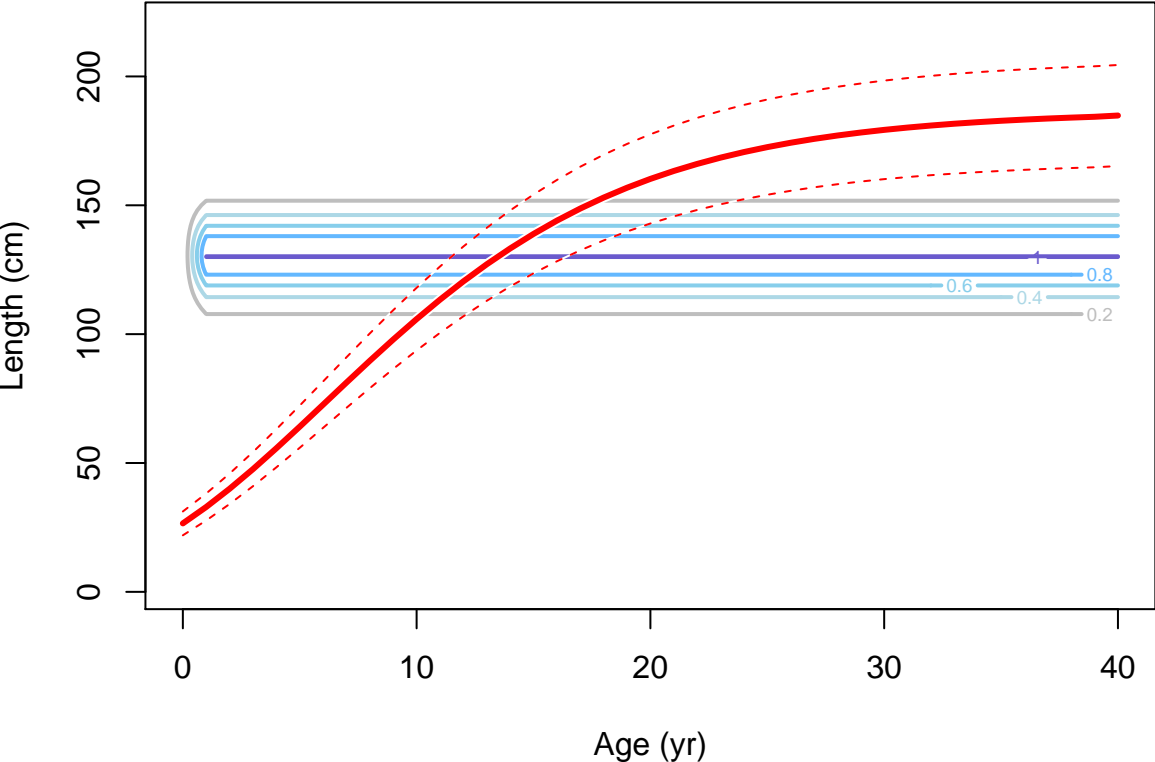
## Female ending year selectivity for EPO-OBJ-Disc



# Male ending year selectivity for EPO-Obj-Disc

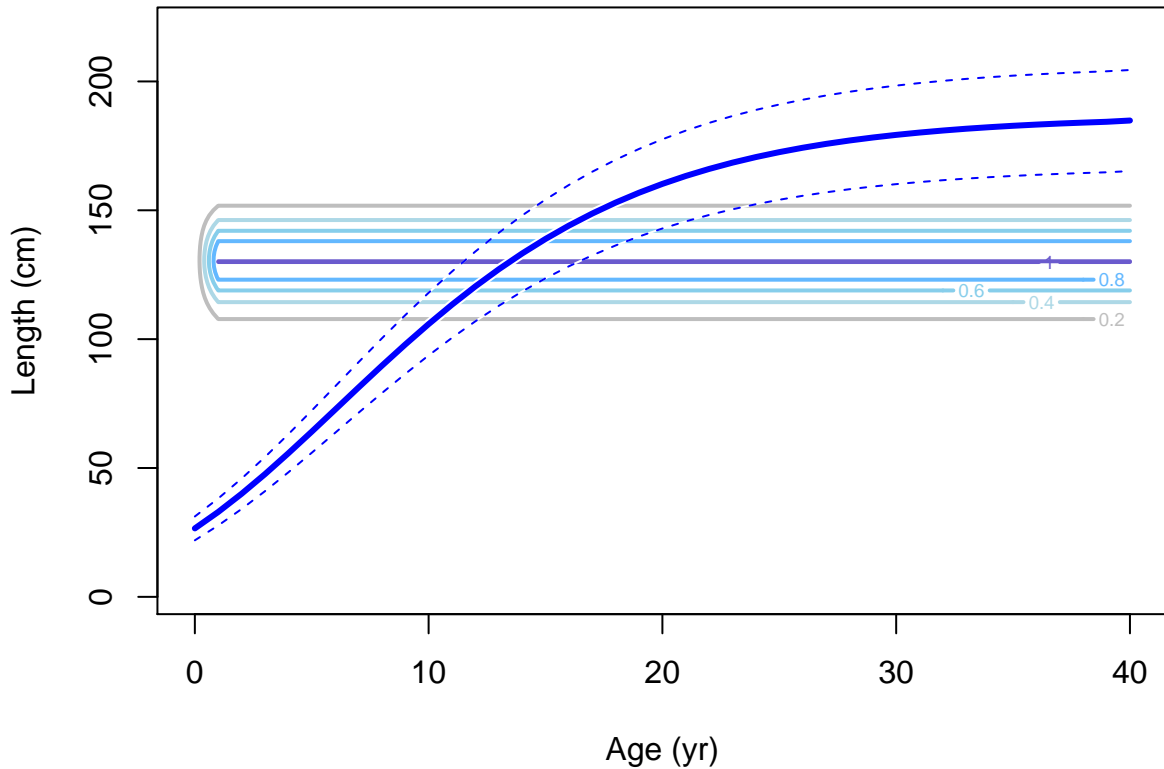


# Female ending year selectivity and growth for A1-LL-n

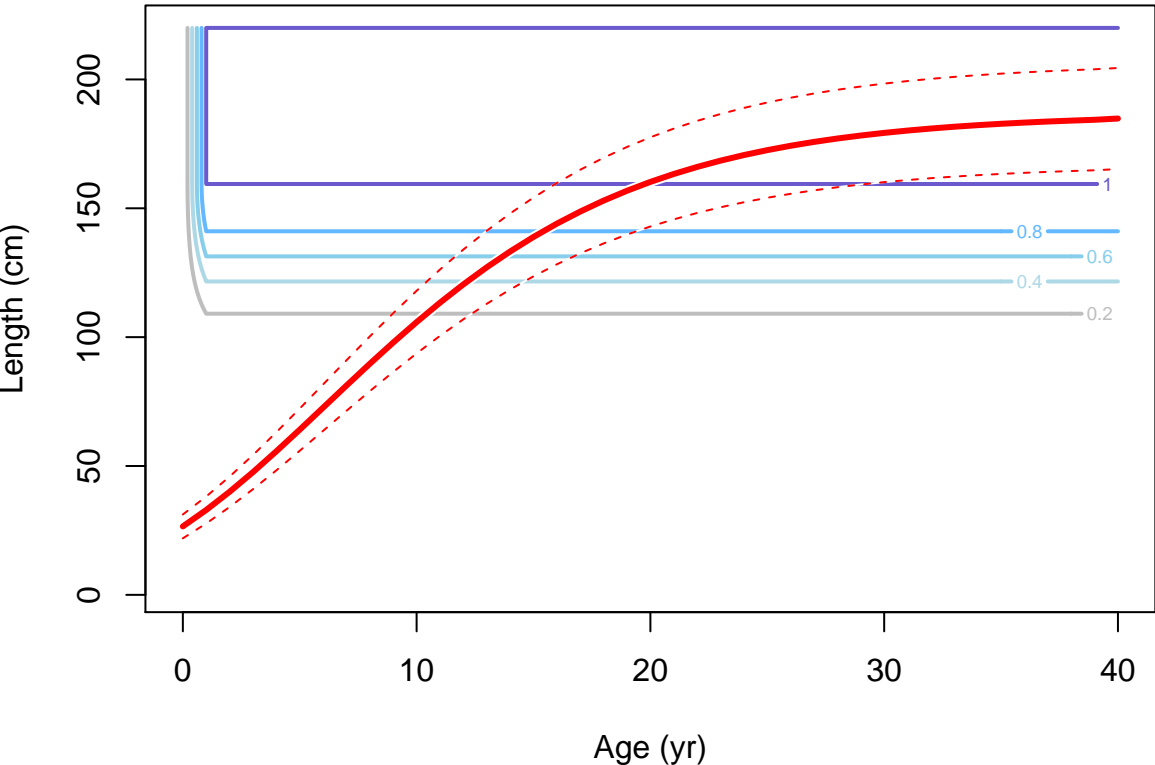




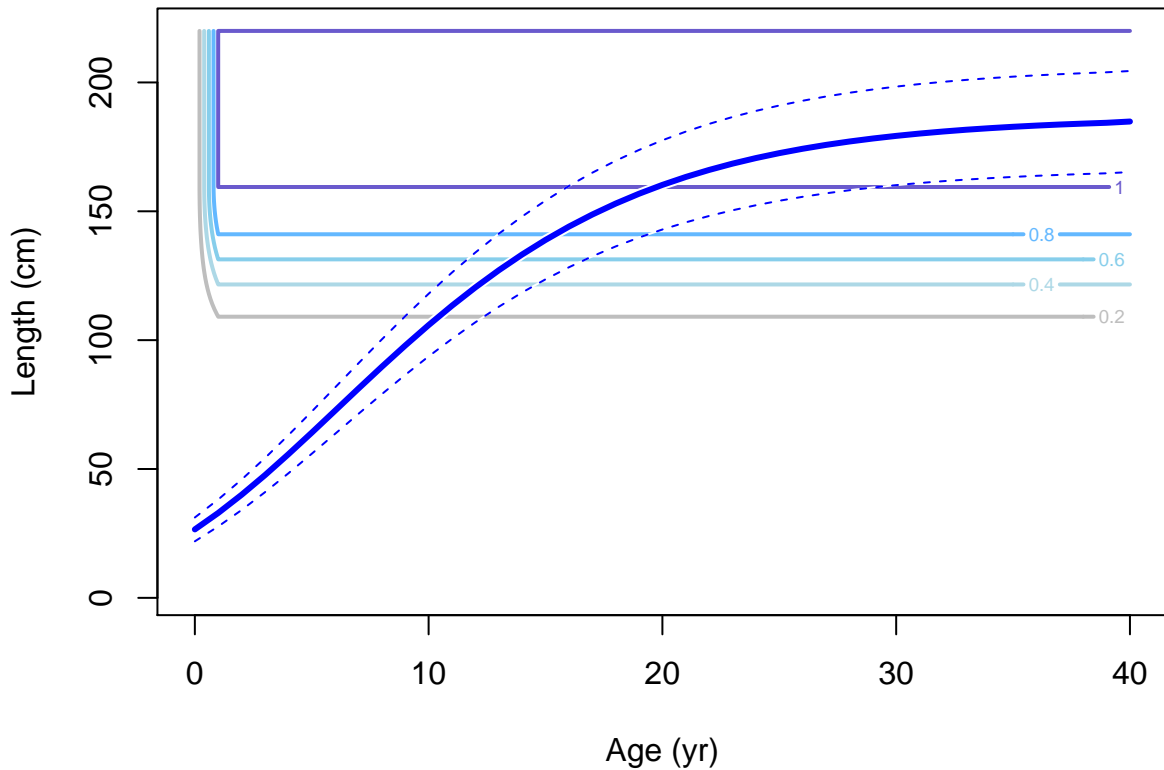
# Male ending year selectivity and growth for A1-LL-n



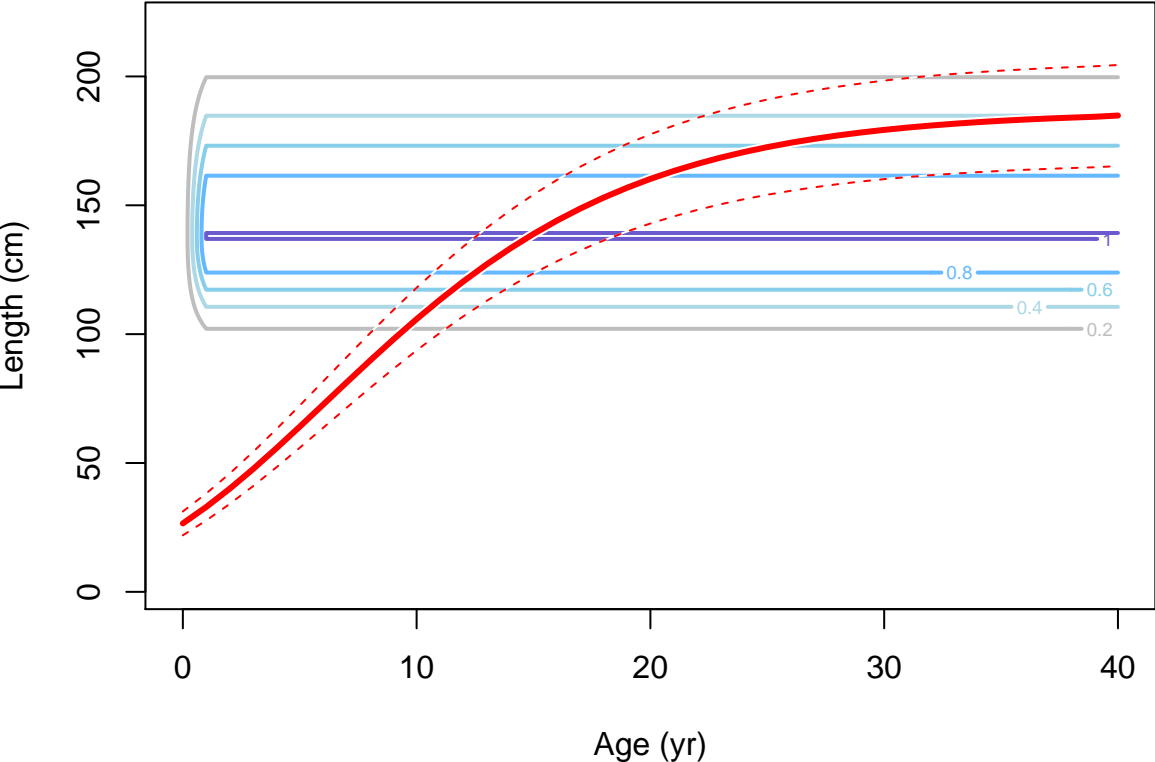
# Female ending year selectivity and growth for A2-LL-n



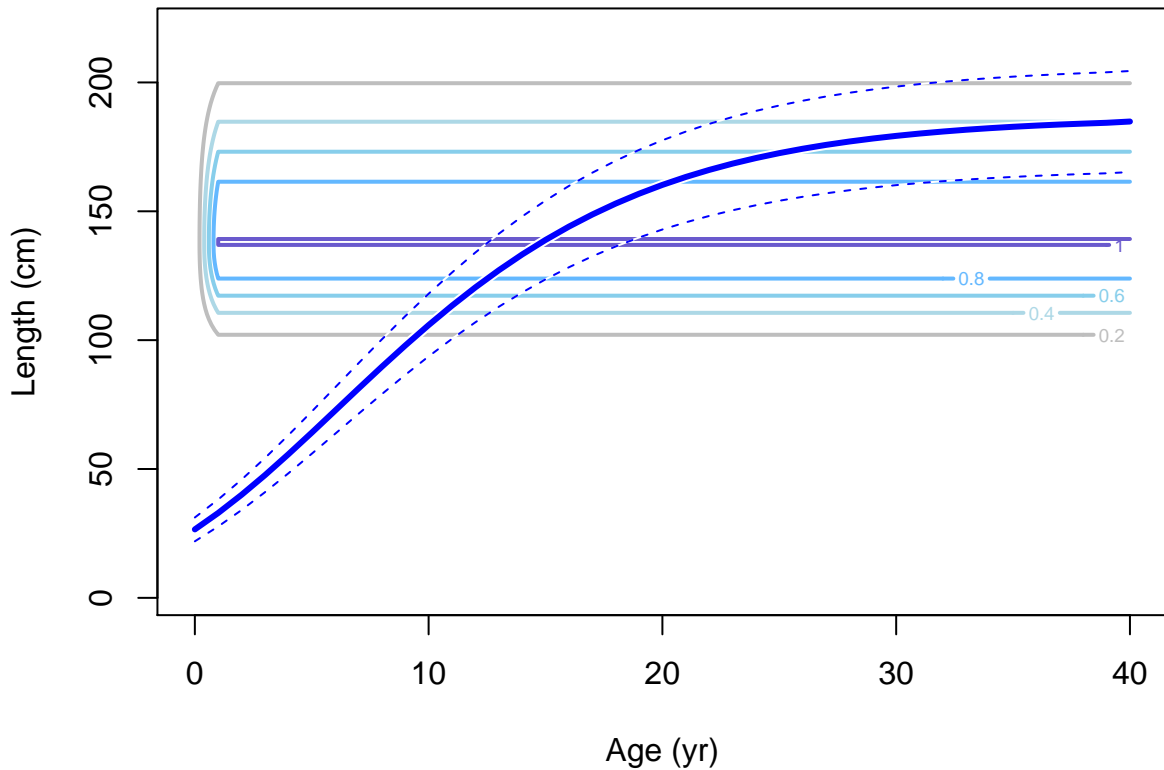
# Male ending year selectivity and growth for A2-LL-n



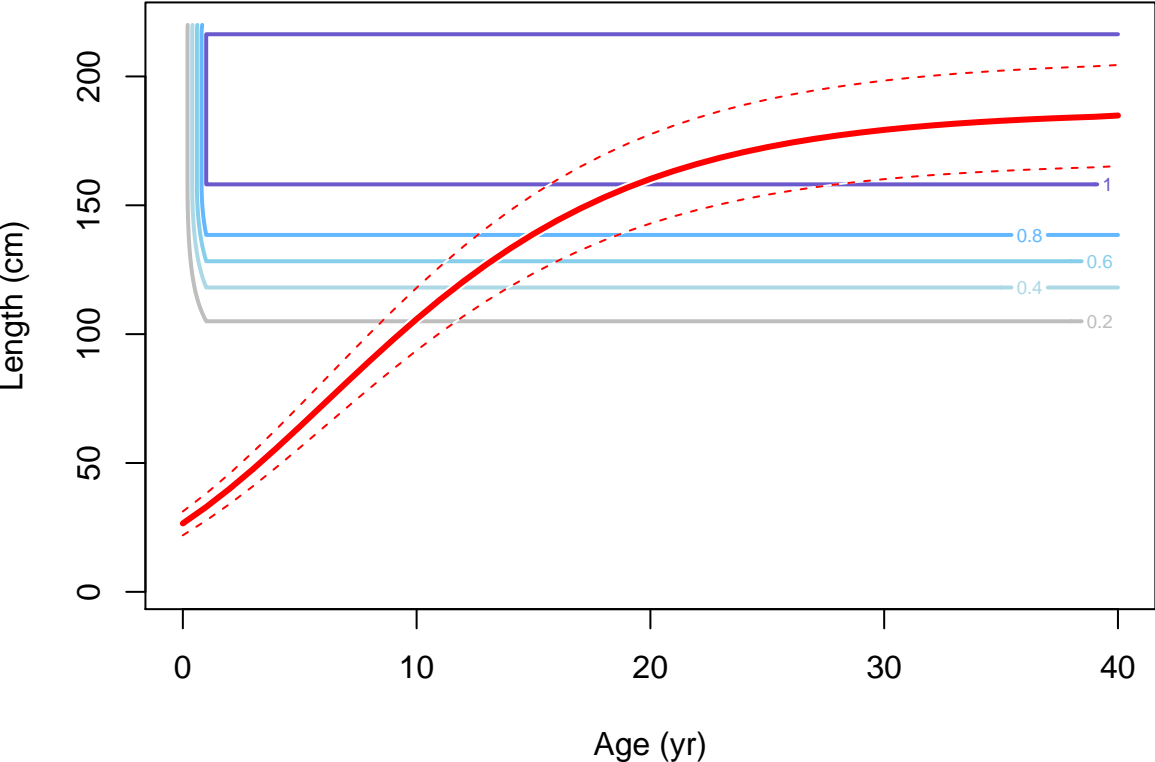
# Female ending year selectivity and growth for A3-LL-n



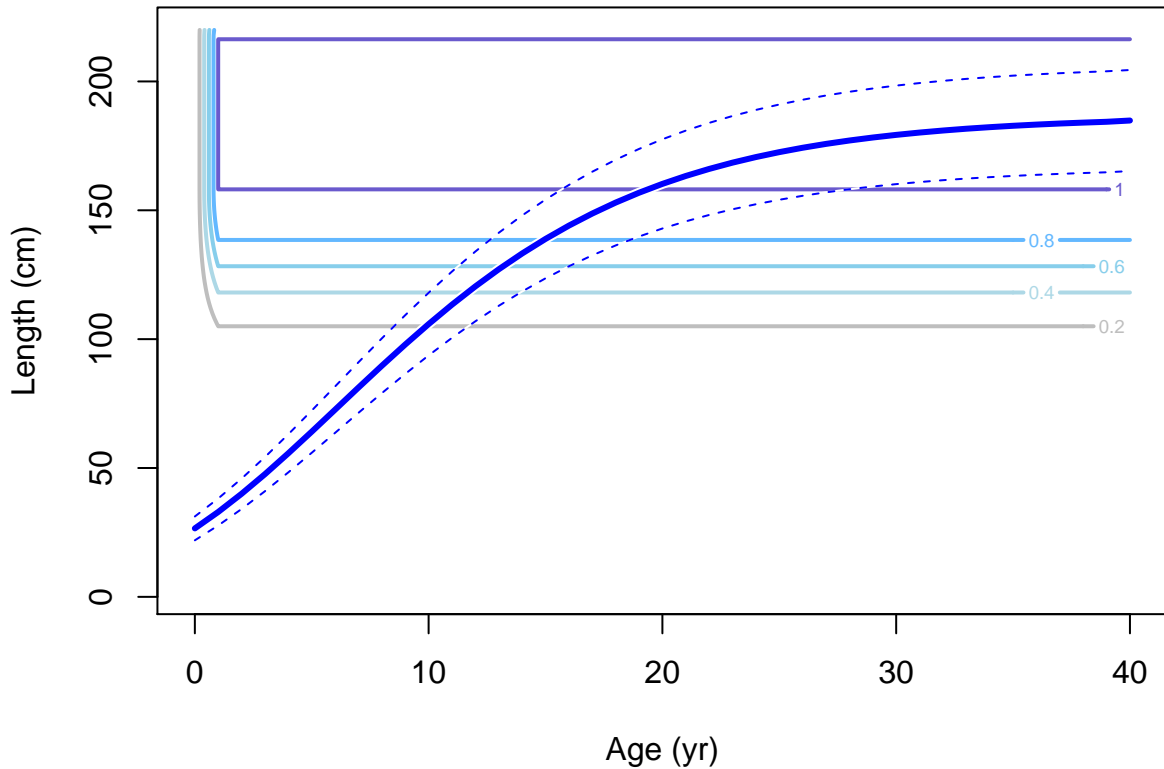
# Male ending year selectivity and growth for A3-LL-n



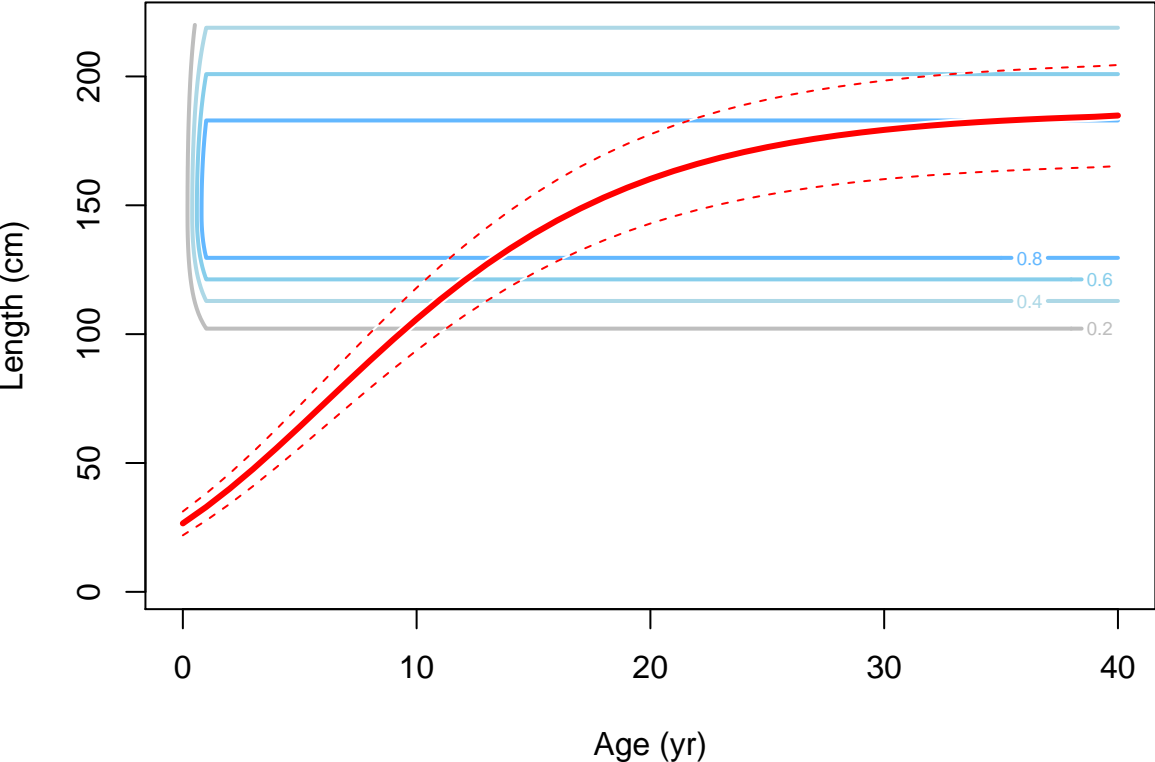
Female ending year selectivity and growth for A4-LL-n



# Male ending year selectivity and growth for A4-LL-n

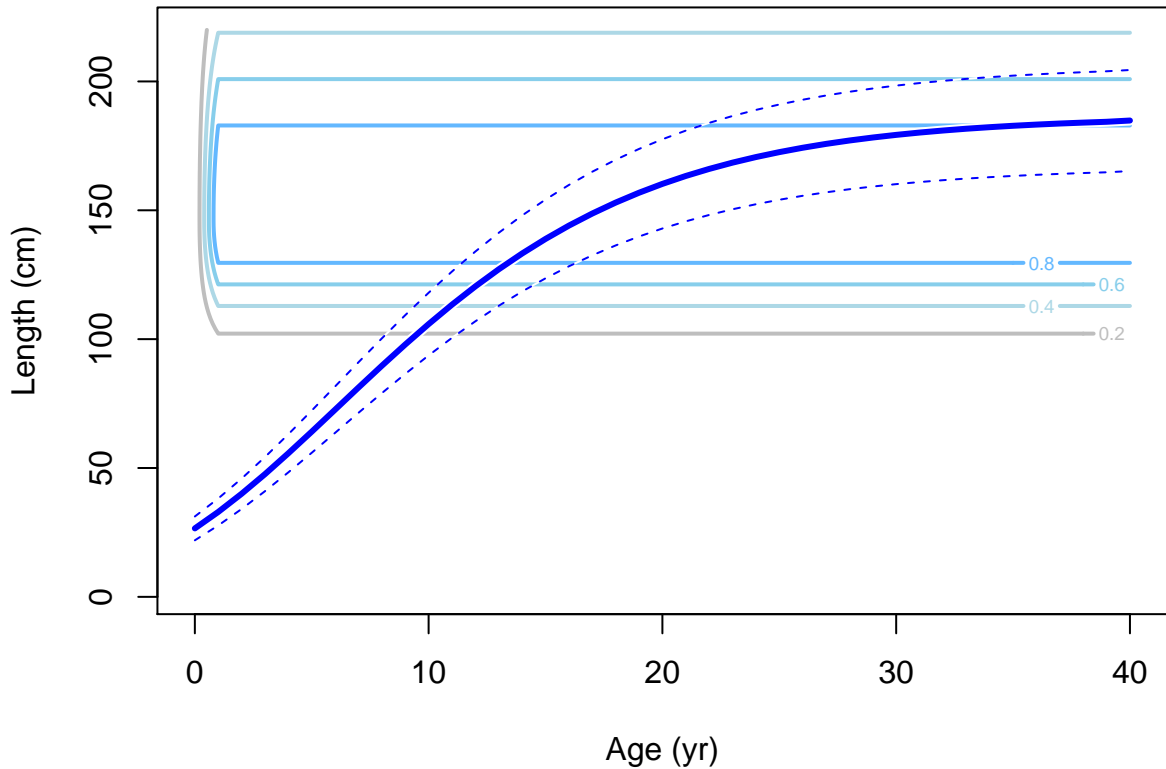


Female ending year selectivity and growth for A5-LL-n

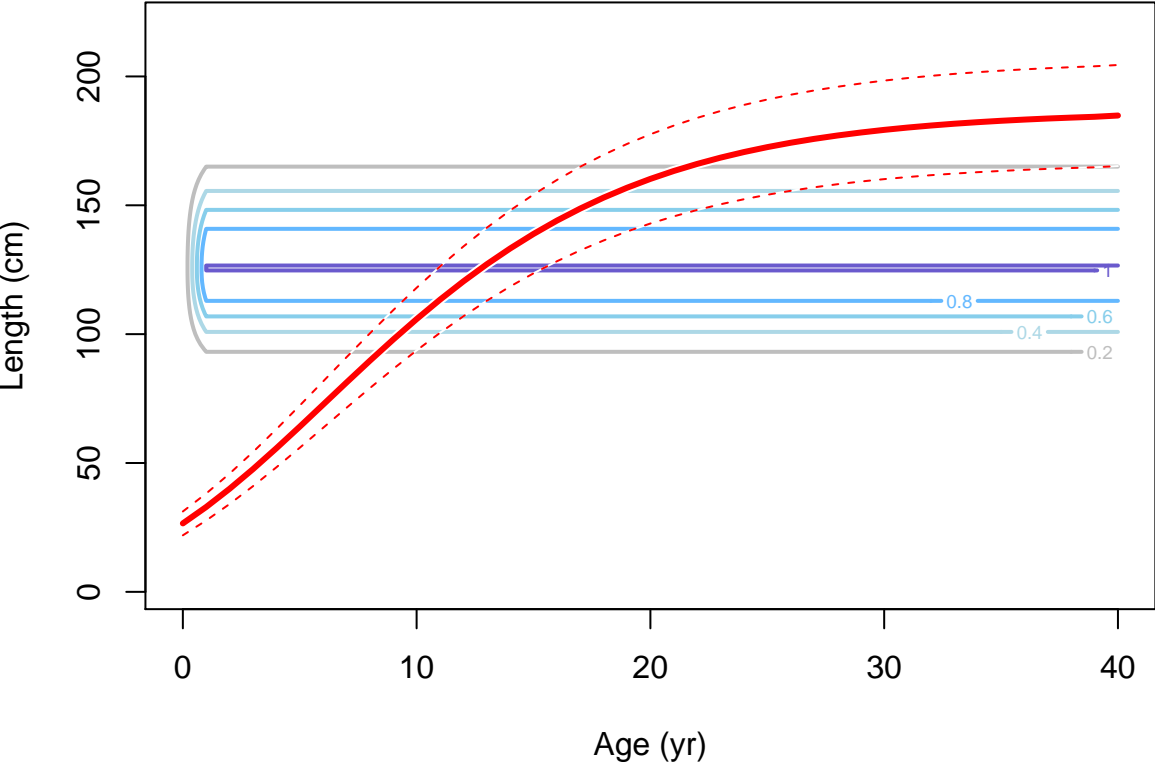




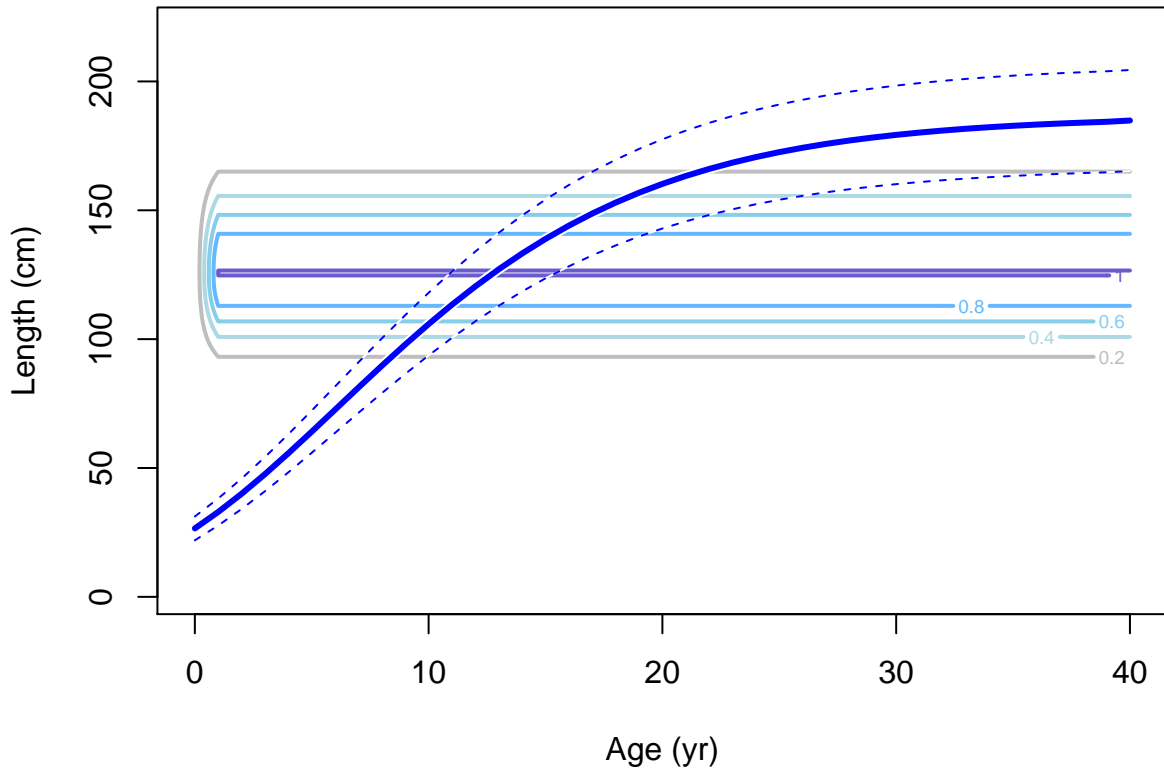
# Male ending year selectivity and growth for A5-LL-n



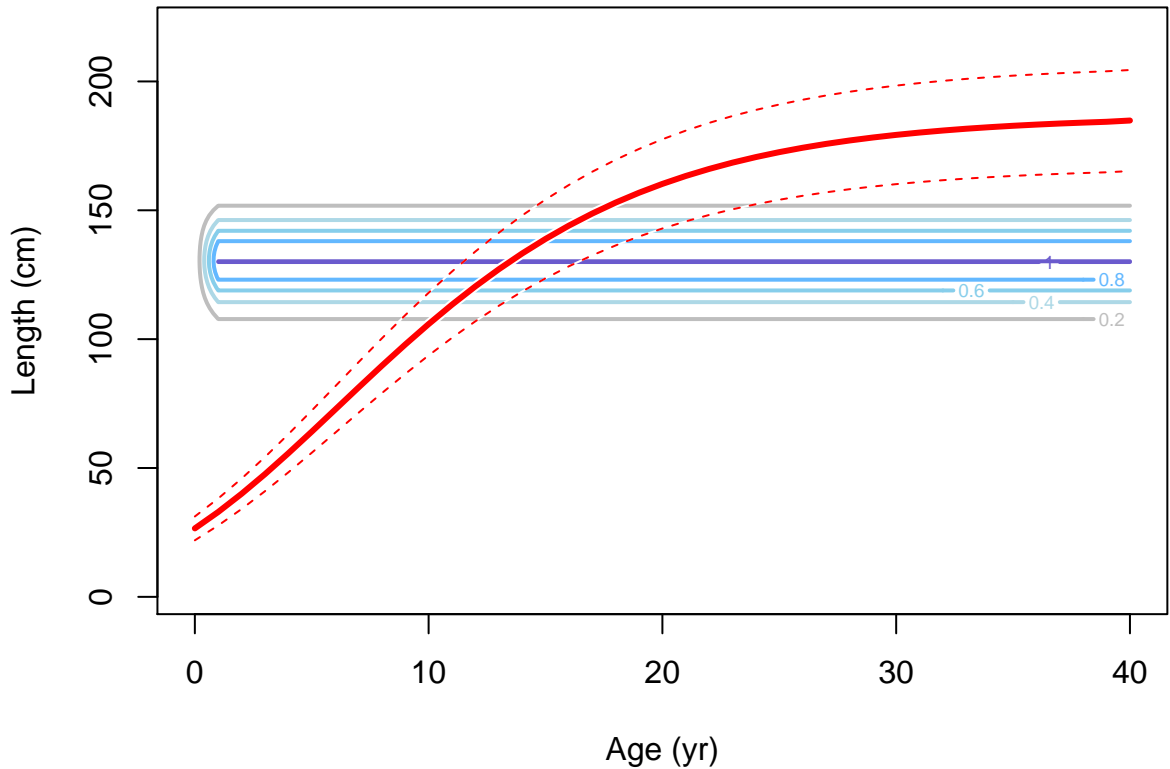
# Female ending year selectivity and growth for A6-LL-n



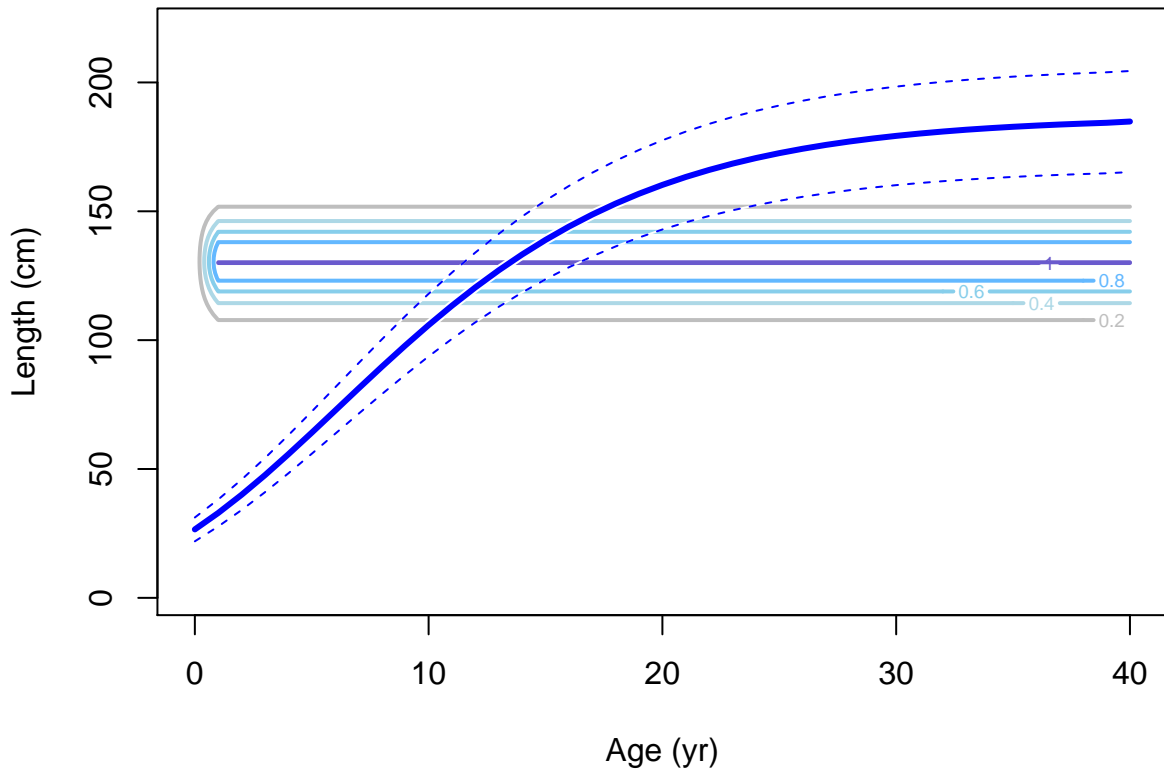
# Male ending year selectivity and growth for A6-LL-n



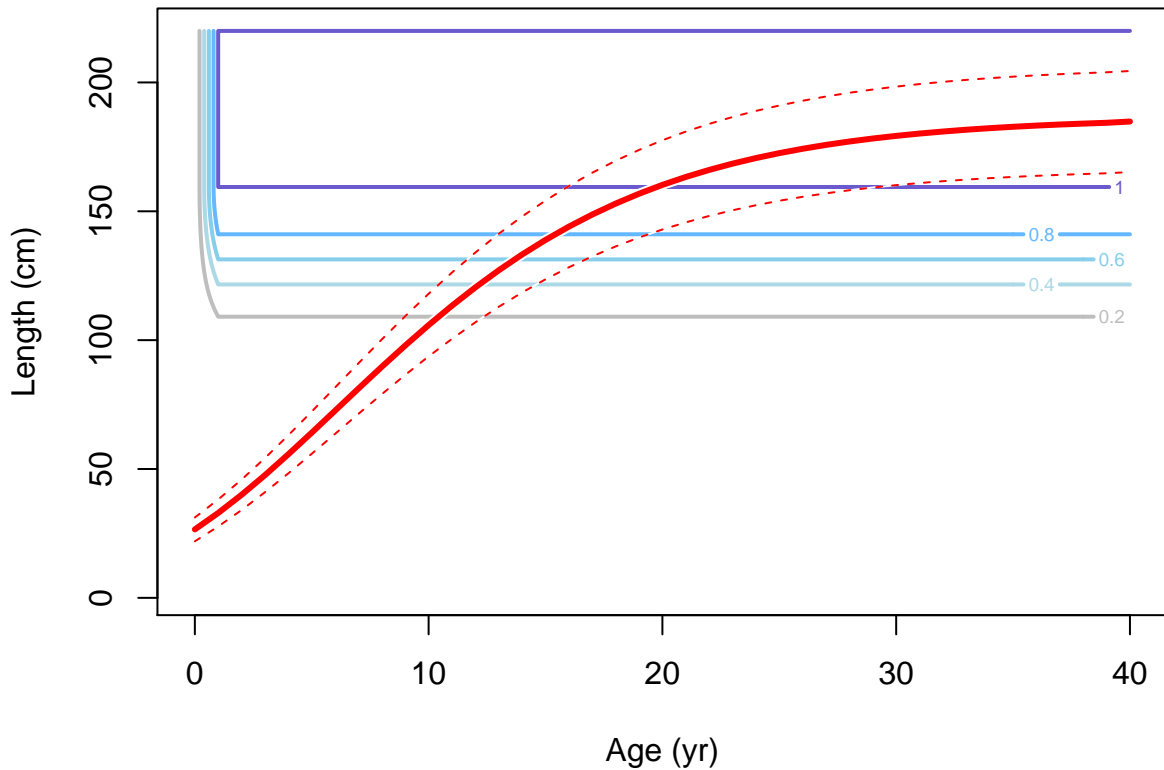
# Female ending year selectivity and growth for A1-LL-w



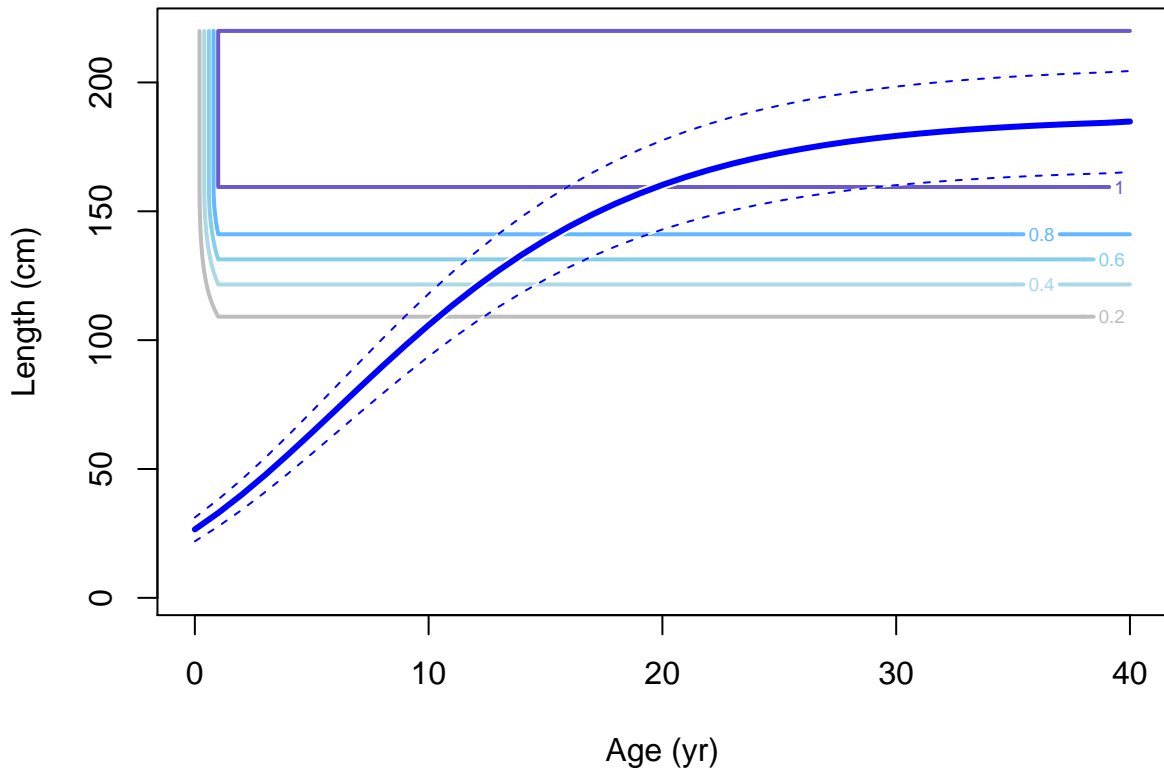
# Male ending year selectivity and growth for A1-LL-w



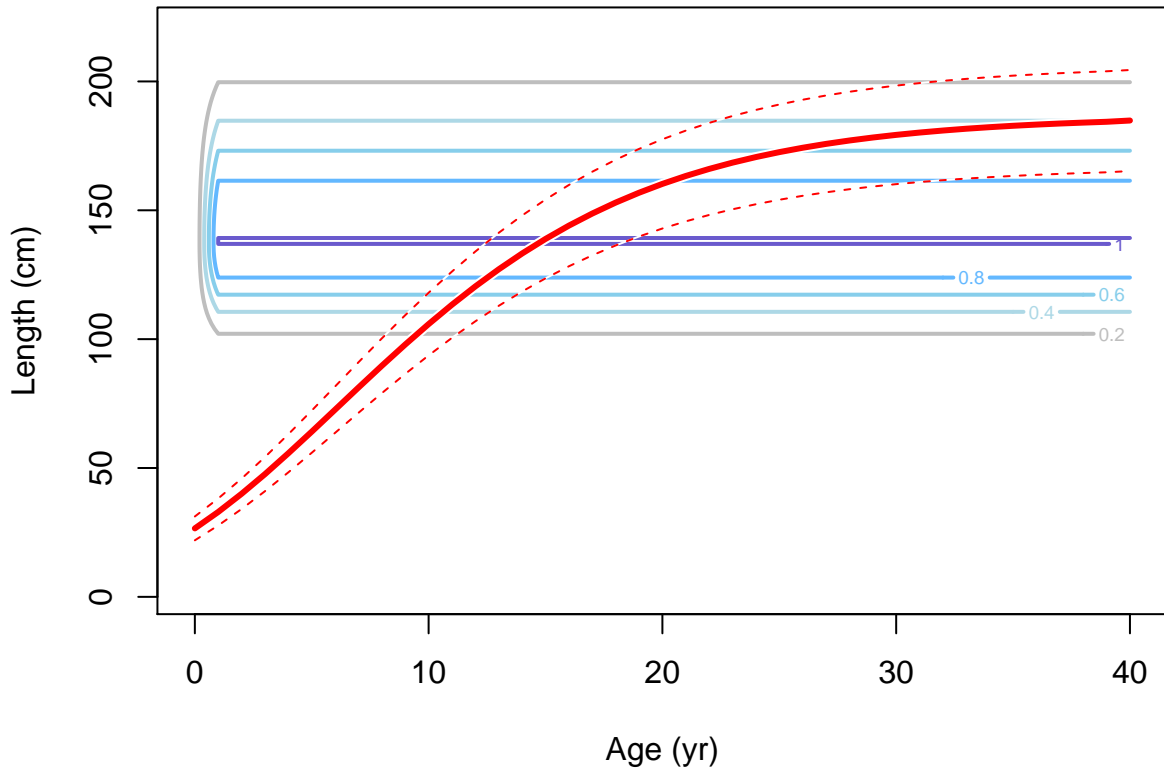
## Female ending year selectivity and growth for A2-LL-w



# Male ending year selectivity and growth for A2-LL-w

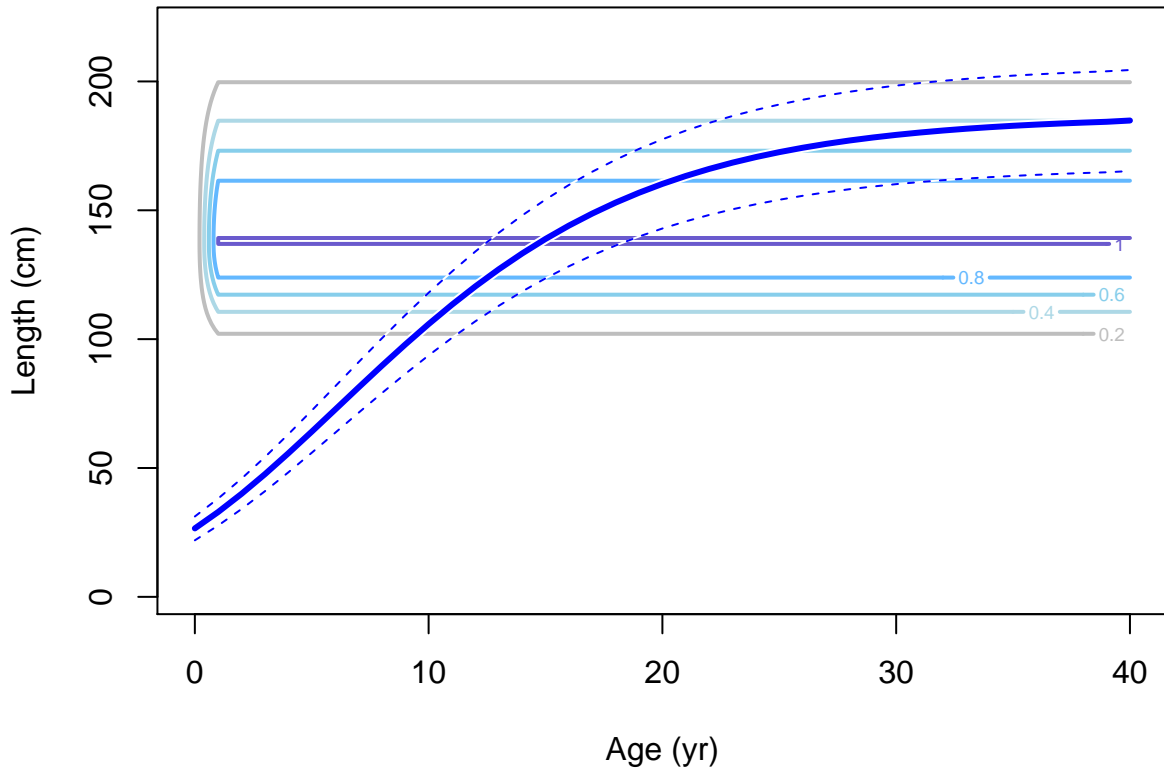


# Female ending year selectivity and growth for A3-LL-w

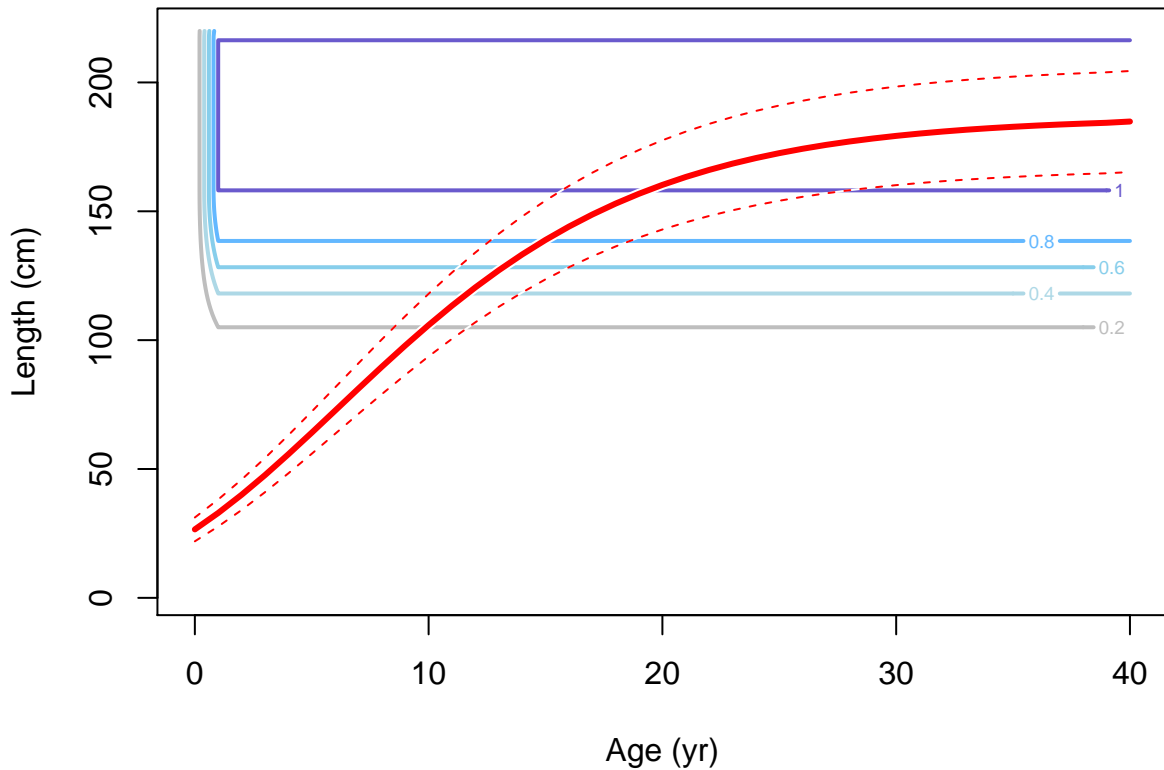




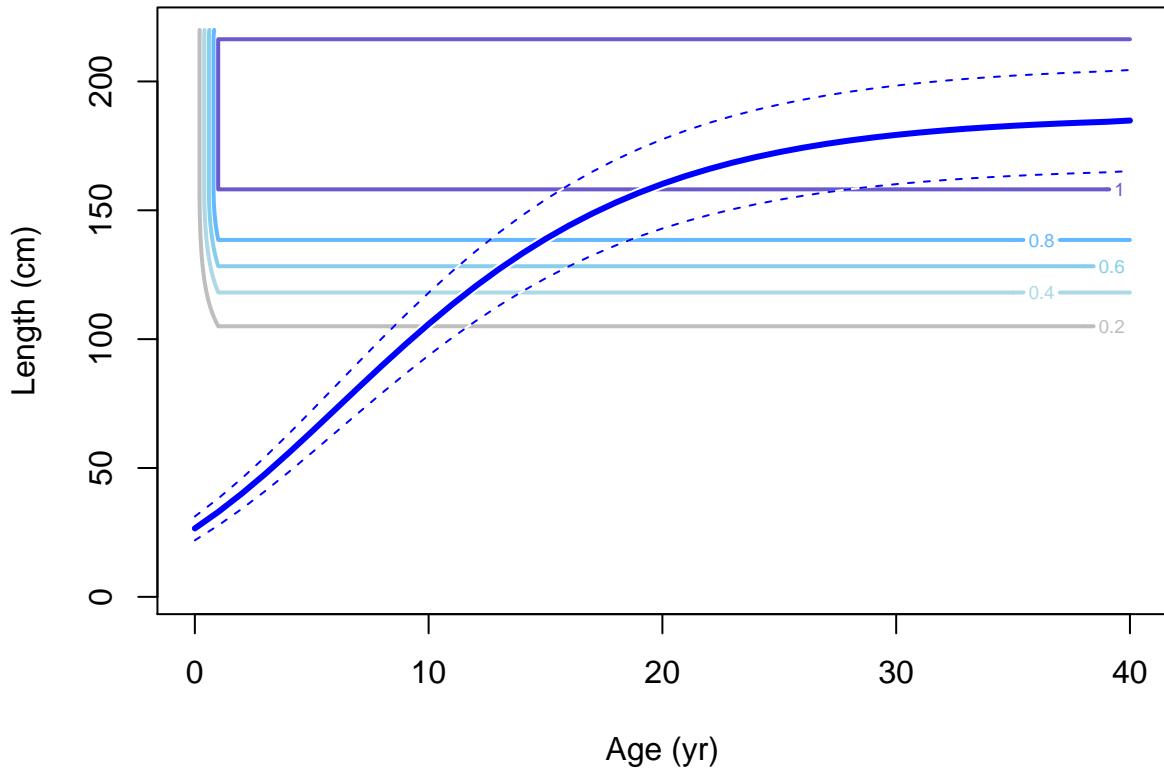
# Male ending year selectivity and growth for A3-LL-w



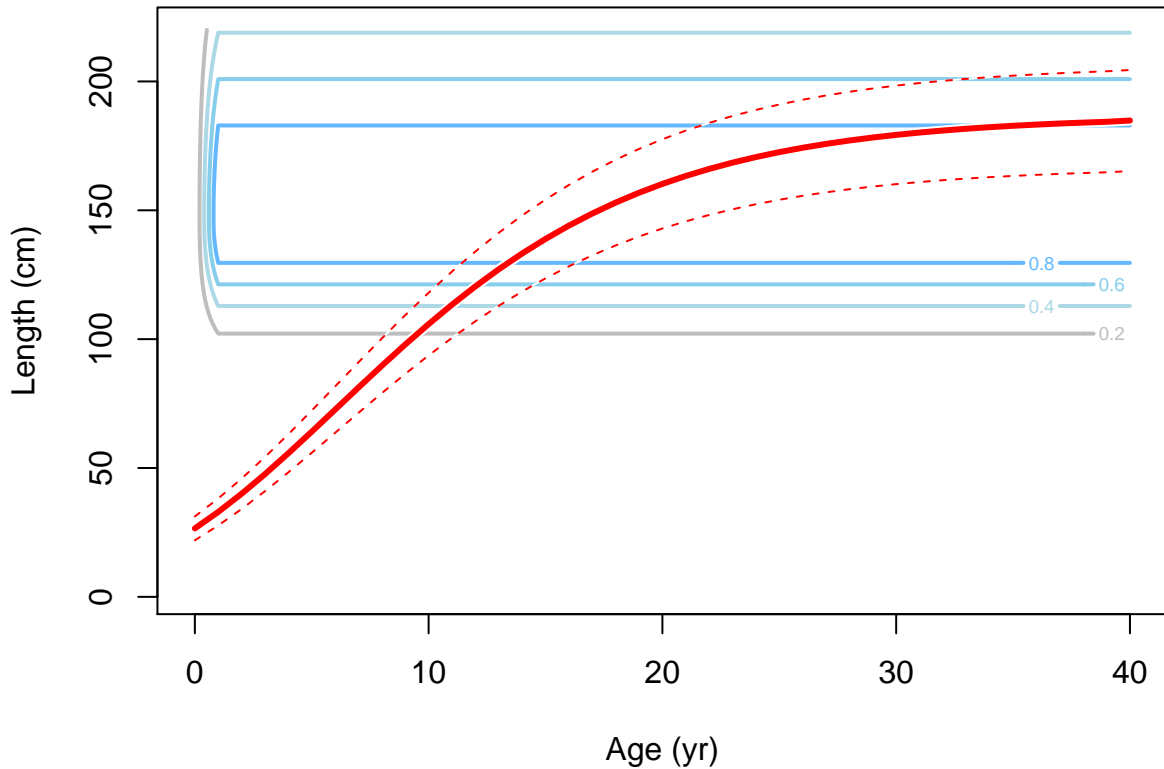
## Female ending year selectivity and growth for A4-LL-w



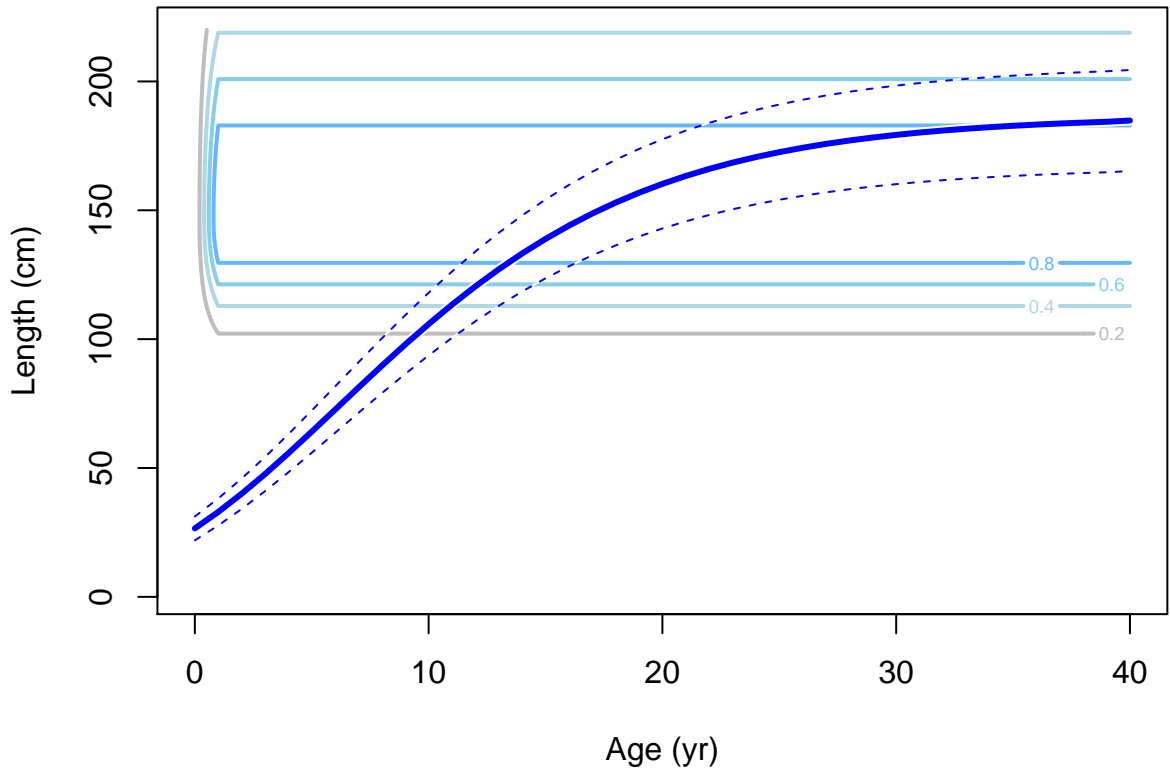
# Male ending year selectivity and growth for A4-LL-w



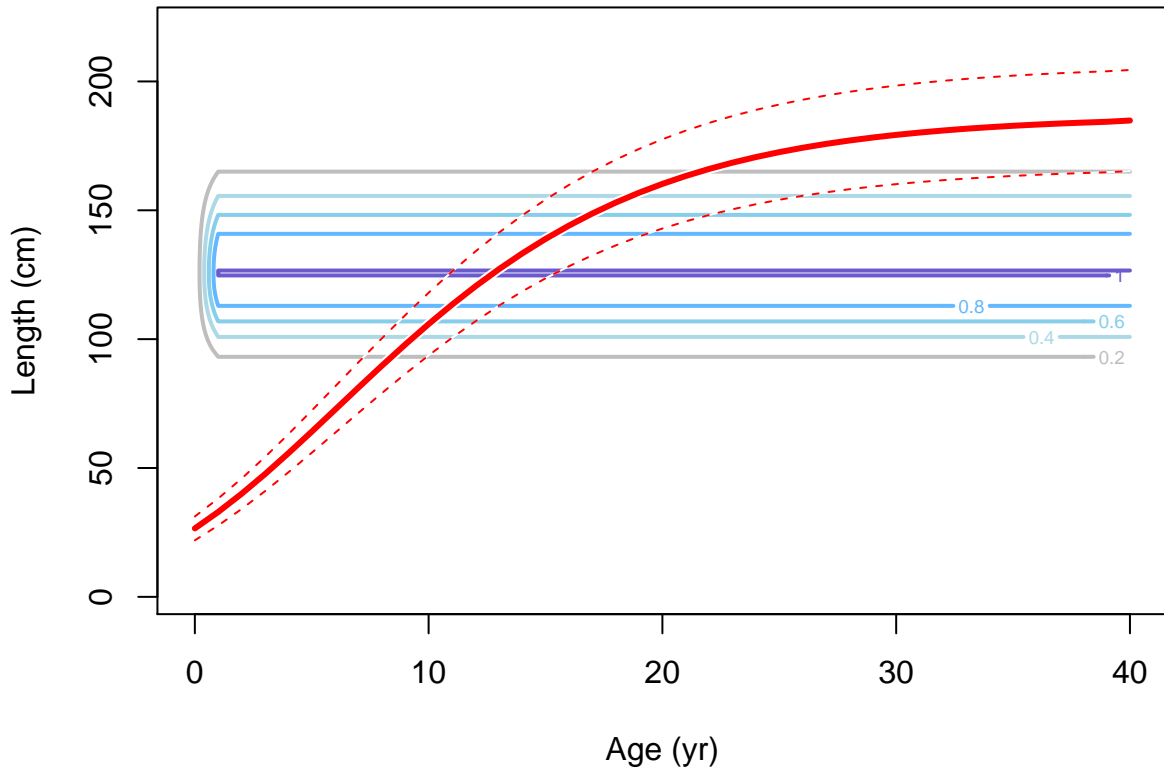
## Female ending year selectivity and growth for A5-LL-w



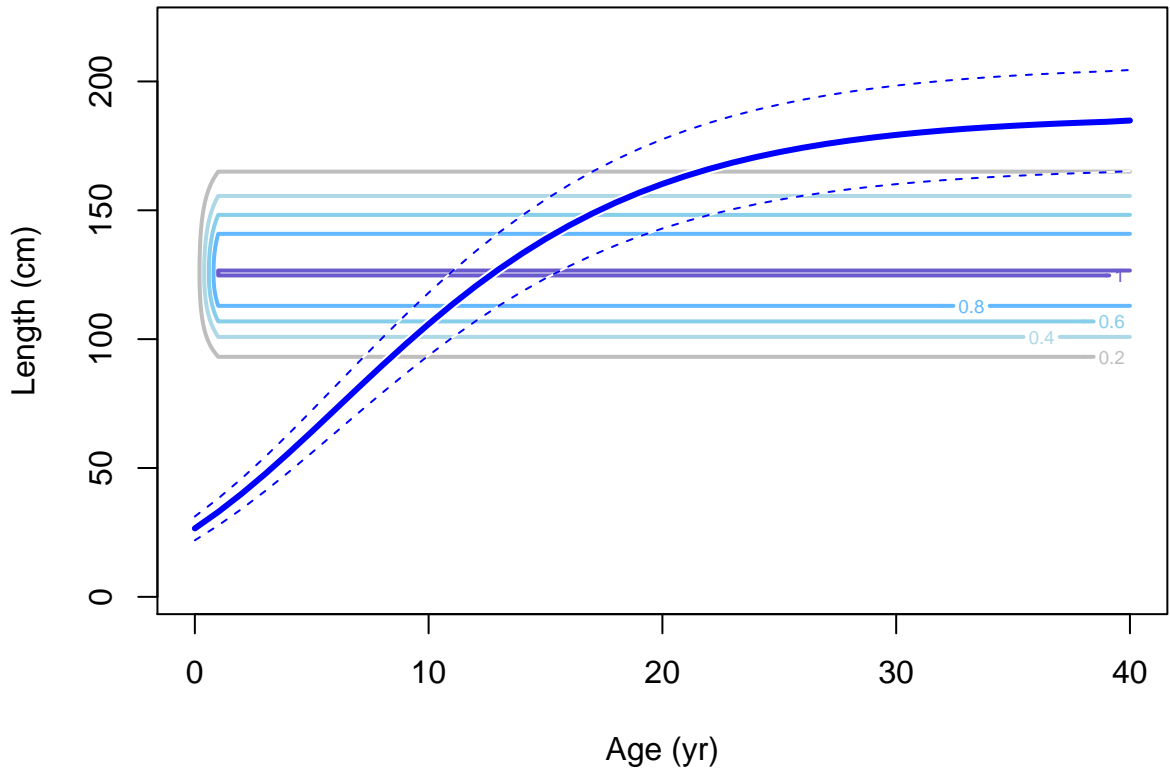
# Male ending year selectivity and growth for A5-LL-w



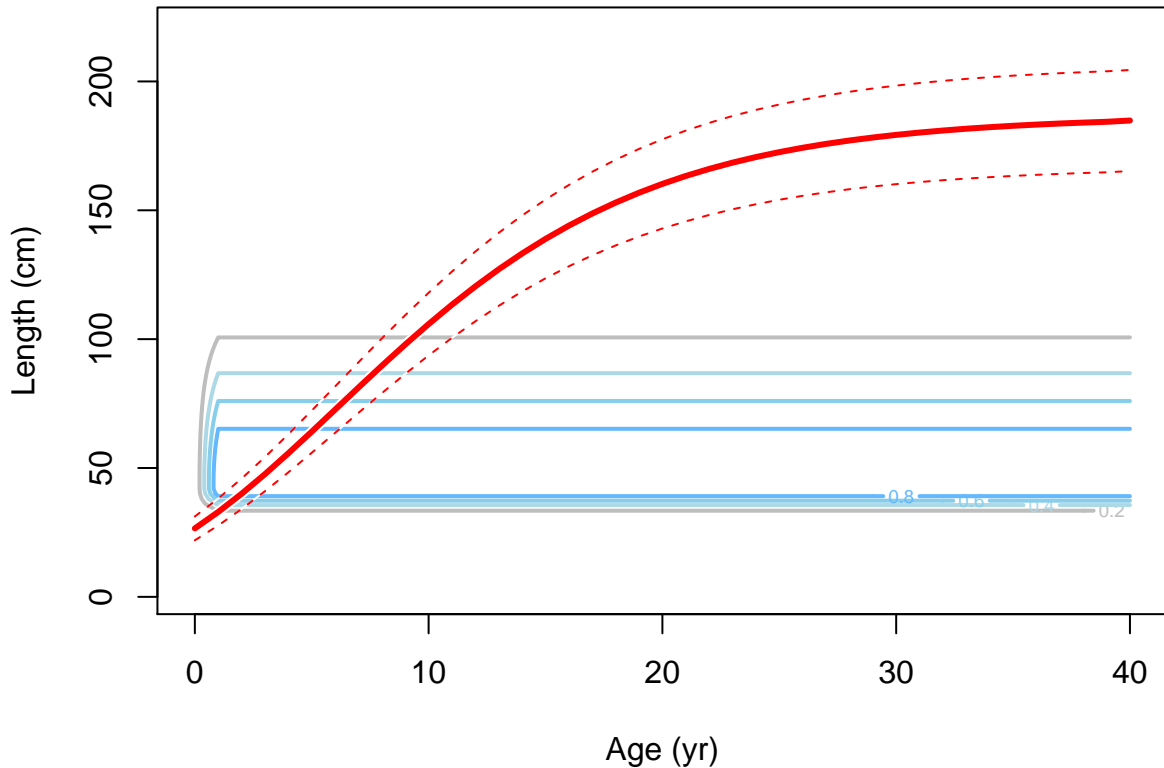
## Female ending year selectivity and growth for A6-LL-w



# Male ending year selectivity and growth for A6-LL-w

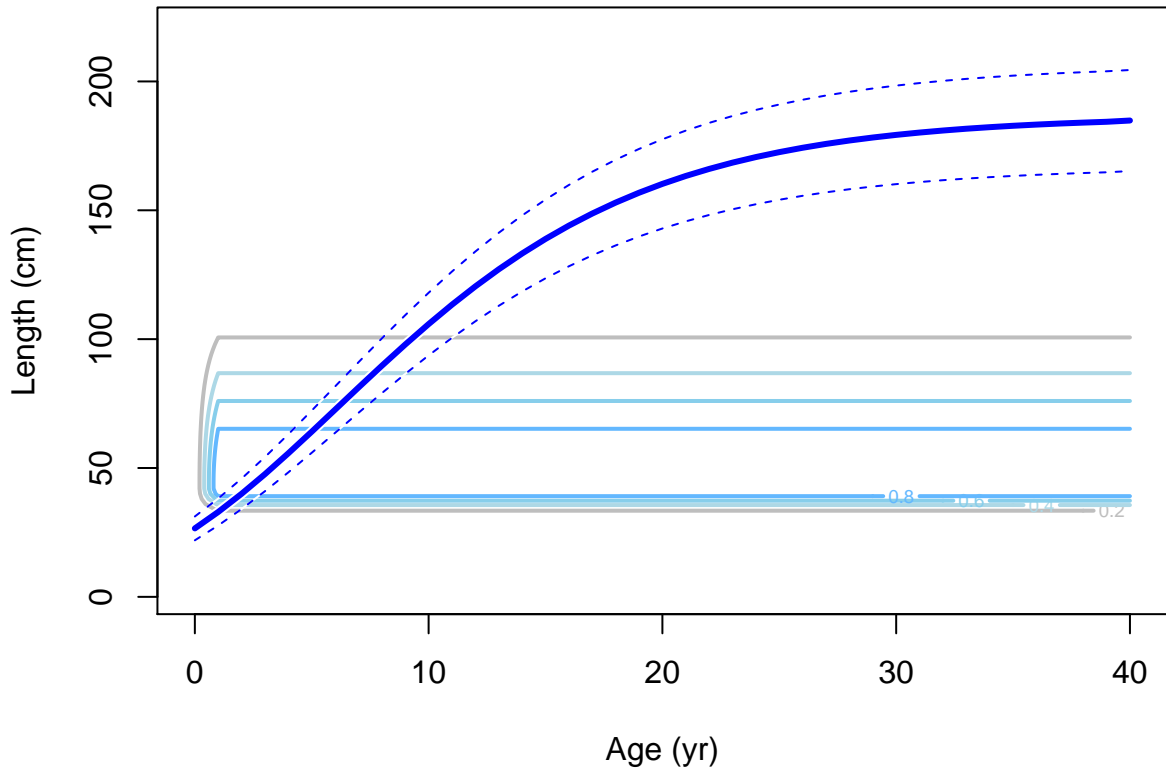


## Female ending year selectivity and growth for A2-OBJ

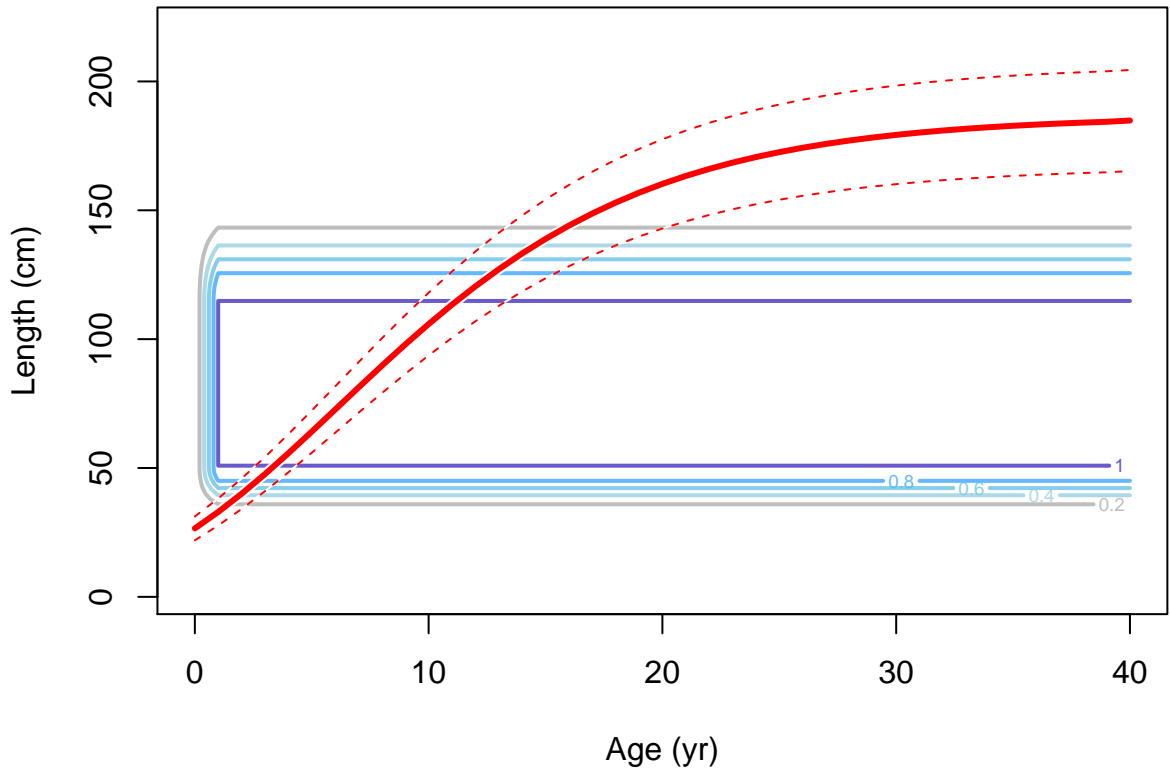




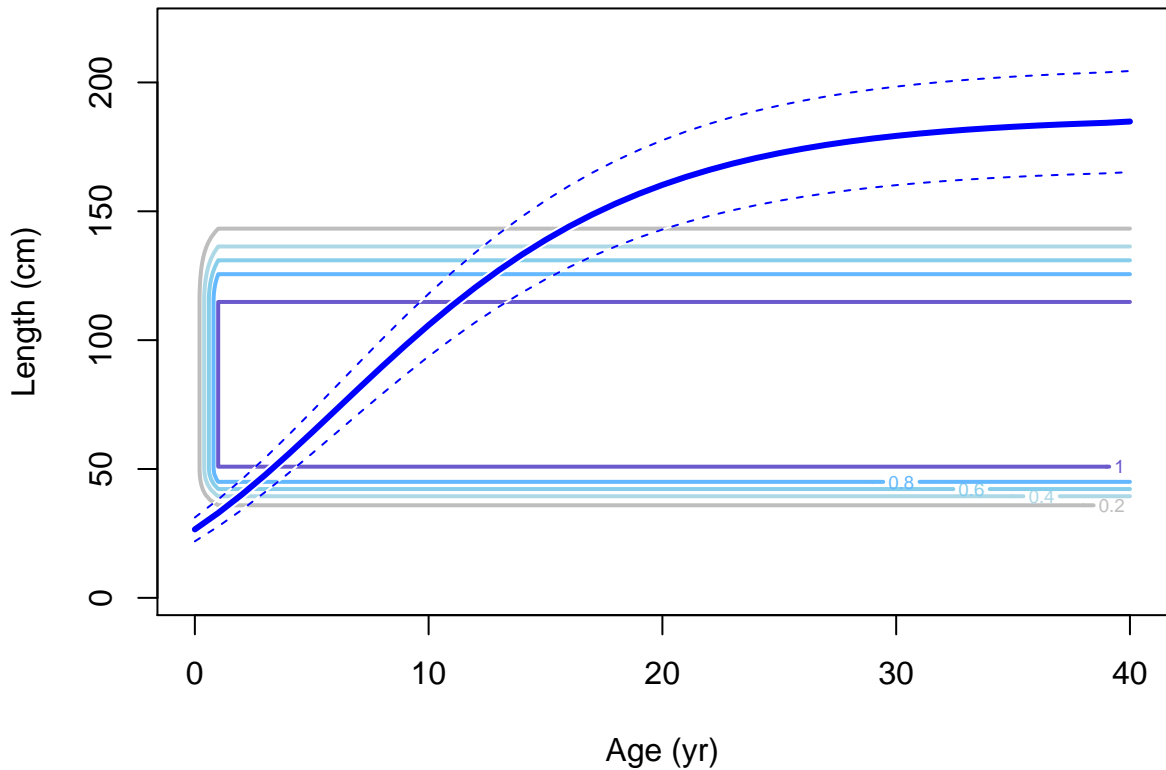
## Male ending year selectivity and growth for A2-OBJ



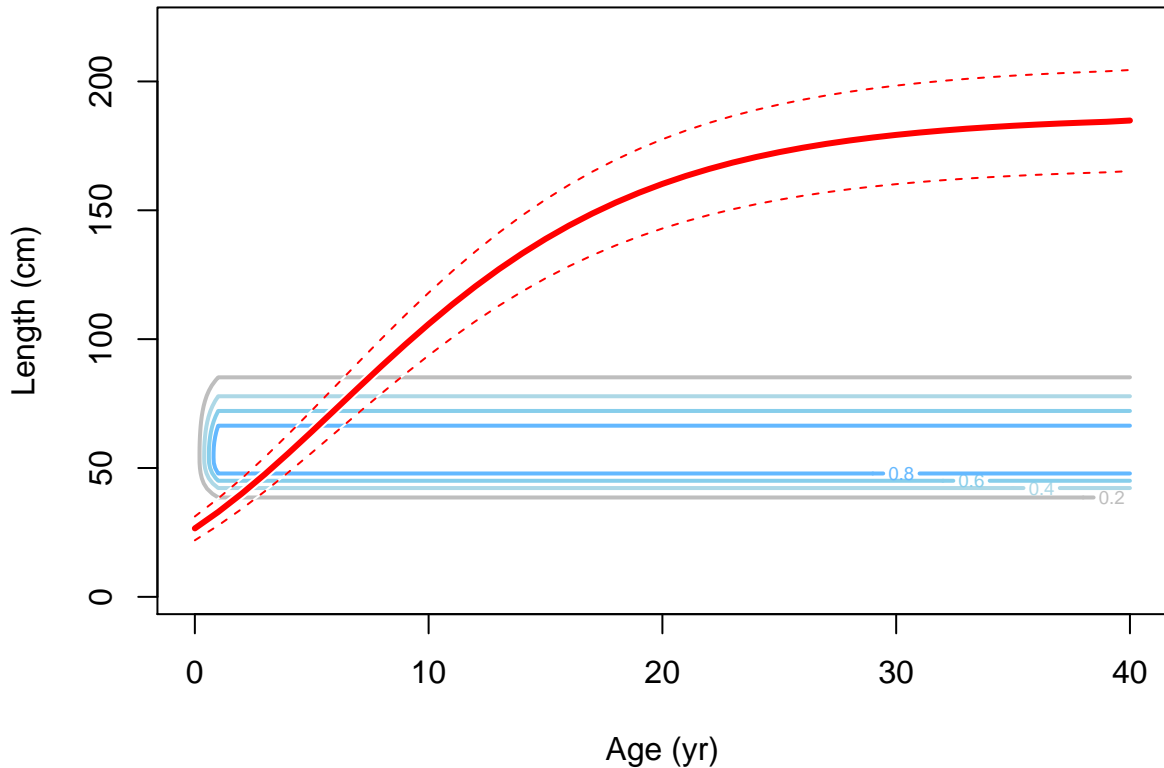
# Female ending year selectivity and growth for A3-Obj



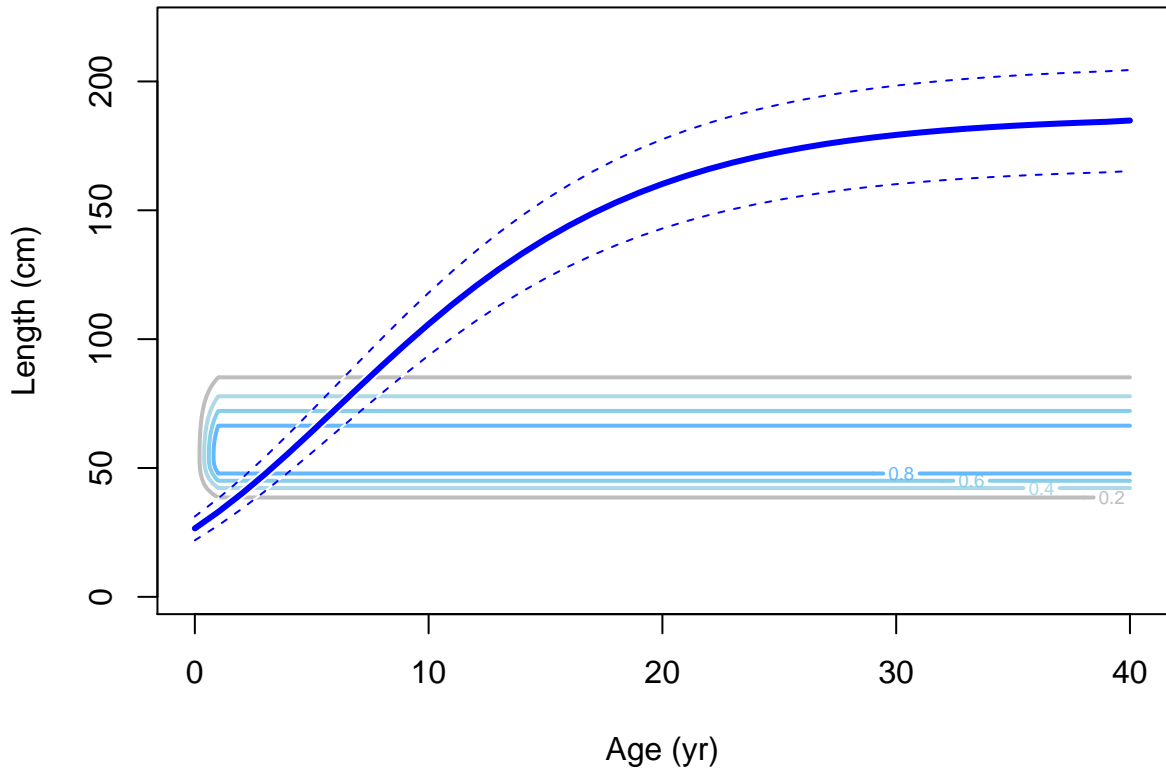
# Male ending year selectivity and growth for A3-OBJ



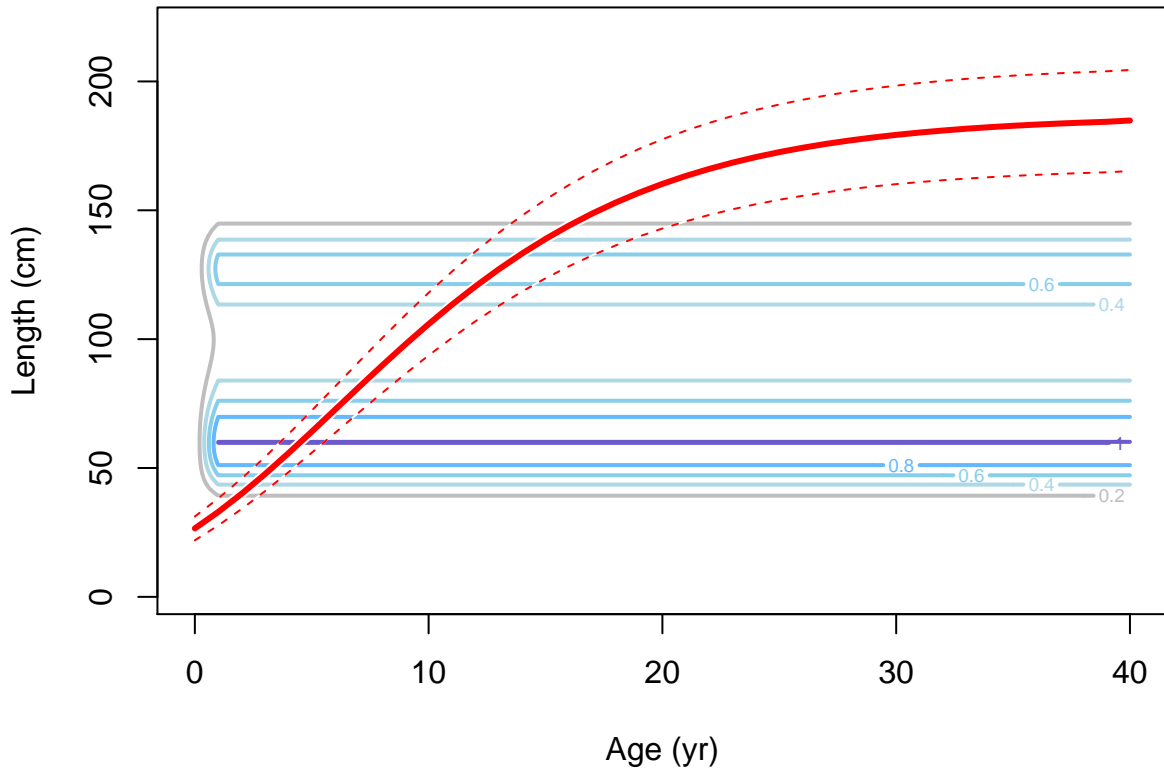
## Female ending year selectivity and growth for A4-OBJ



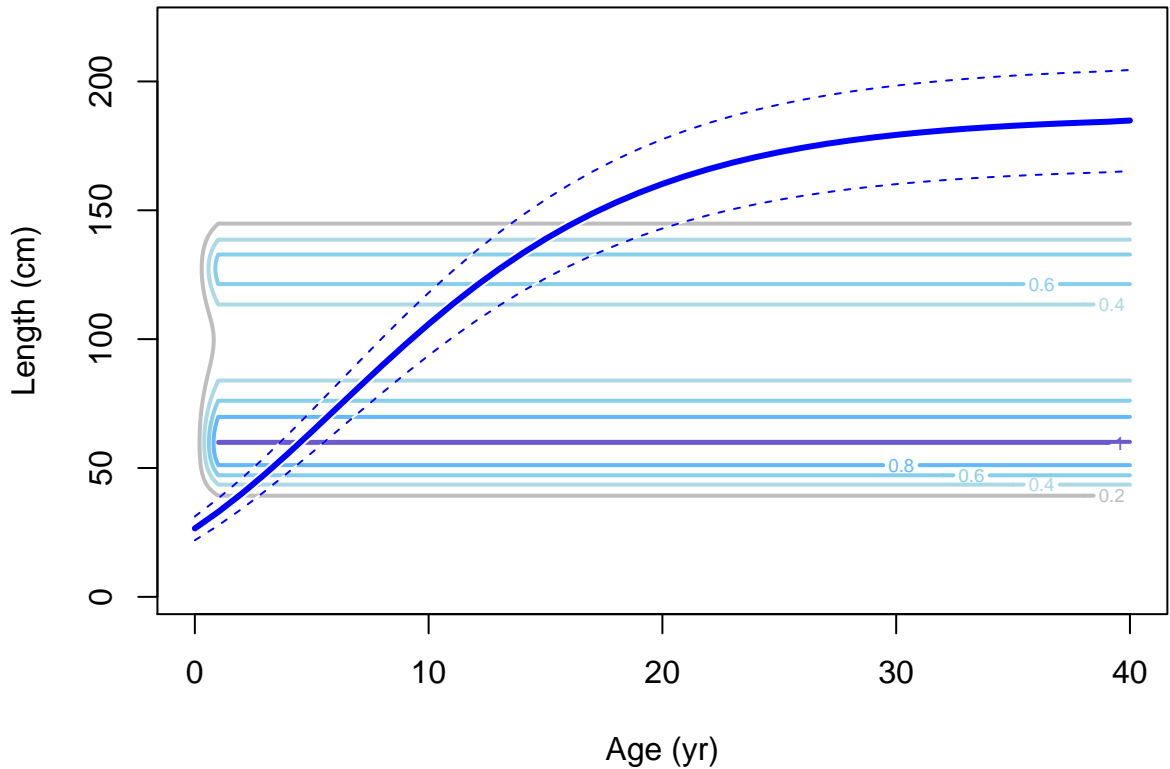
# Male ending year selectivity and growth for A4-OBJ



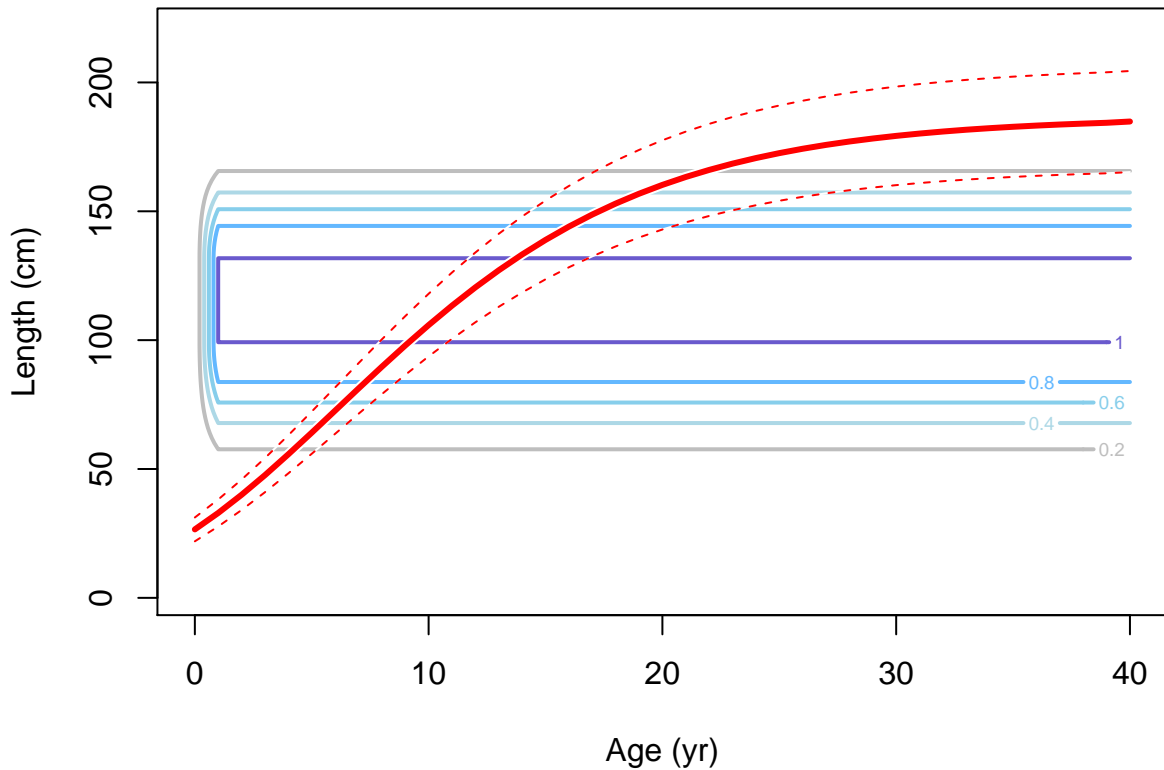
# Female ending year selectivity and growth for A5-OBJ



# Male ending year selectivity and growth for A5-OBJ

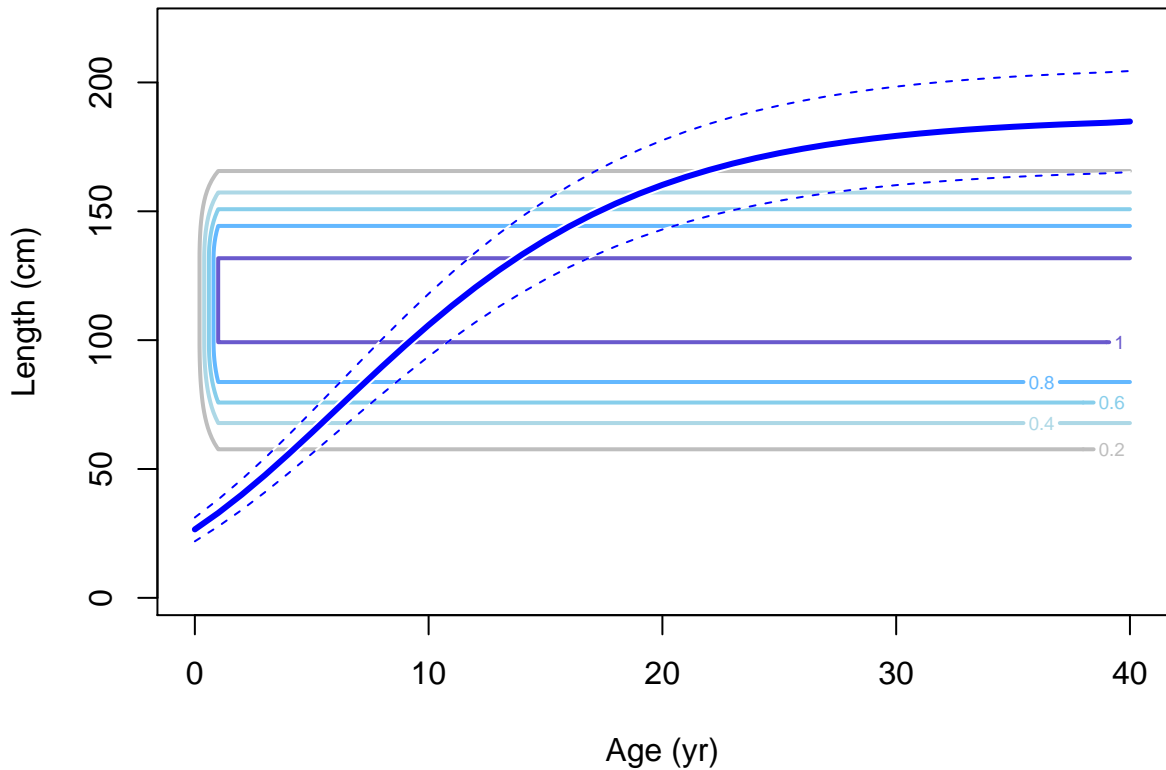


## Female ending year selectivity and growth for A6-OBJ

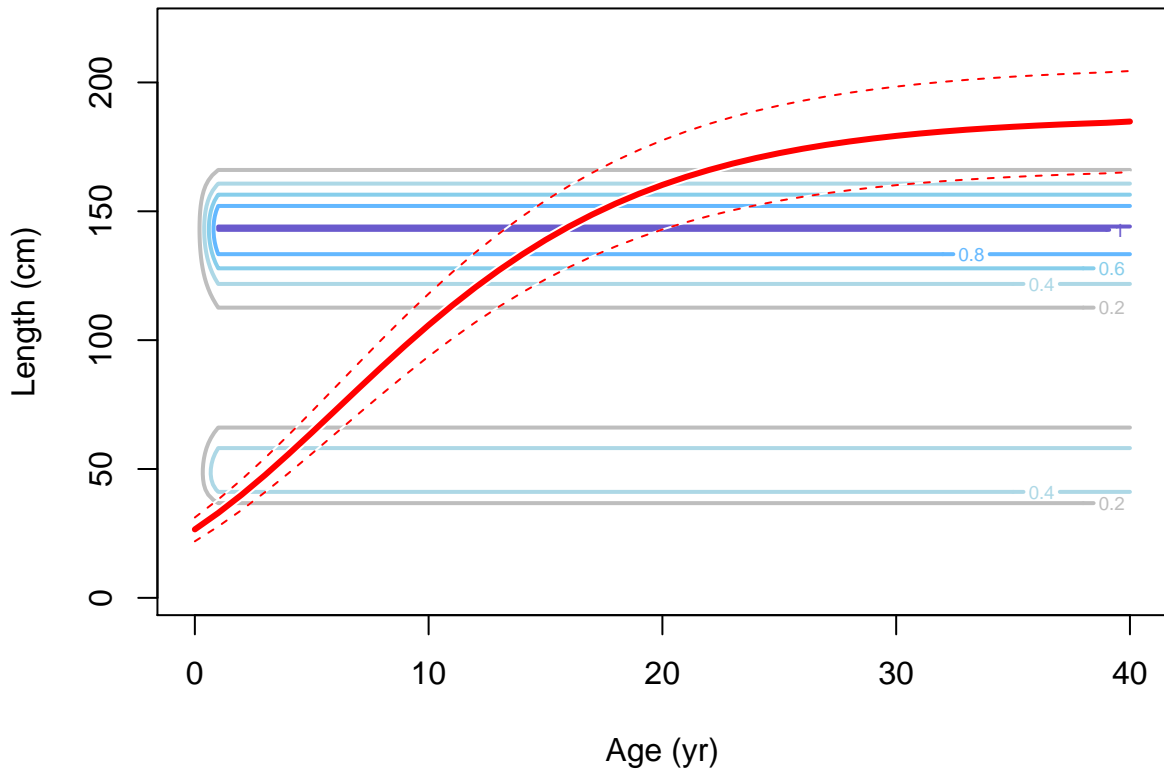




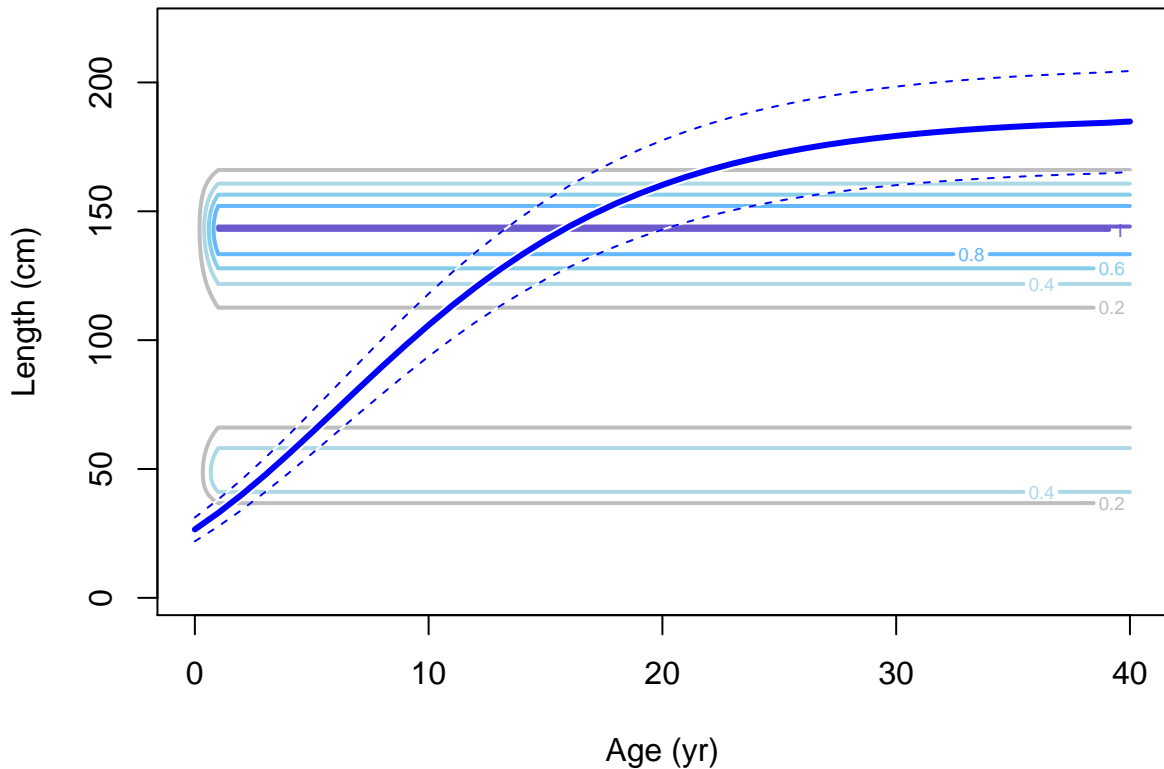
## Male ending year selectivity and growth for A6-OBJ



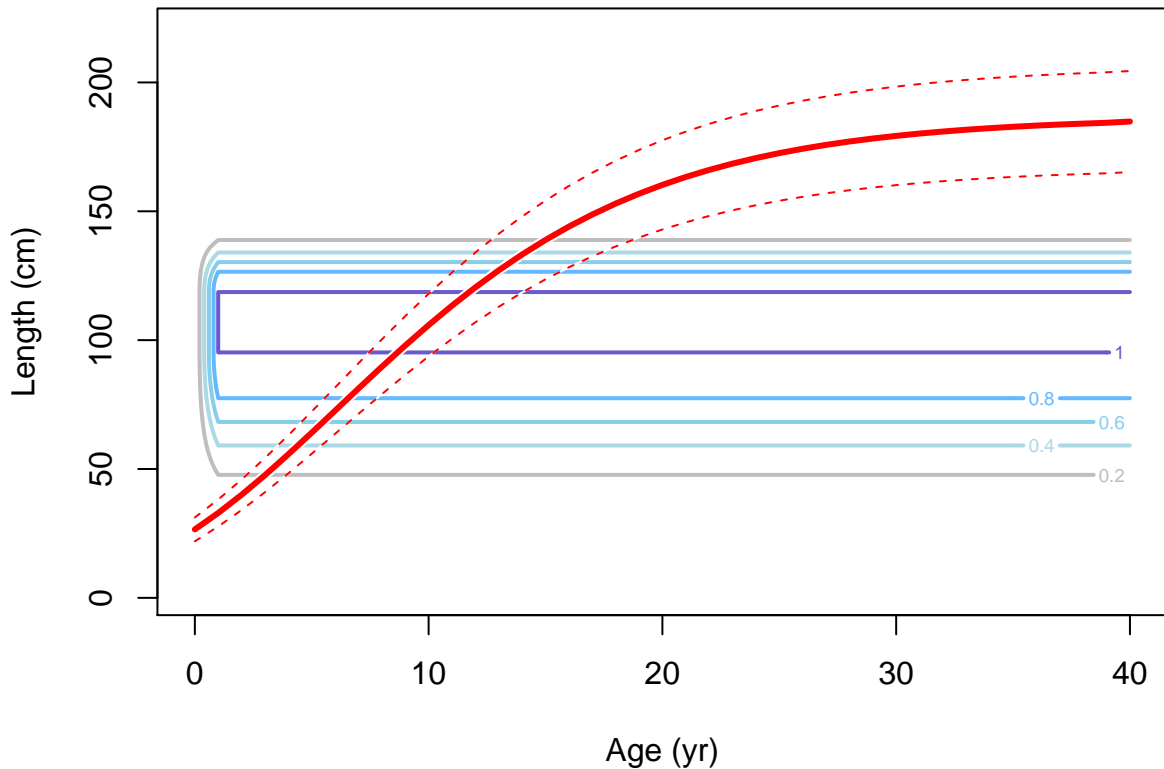
## Female ending year selectivity and growth for A2-NOADEL



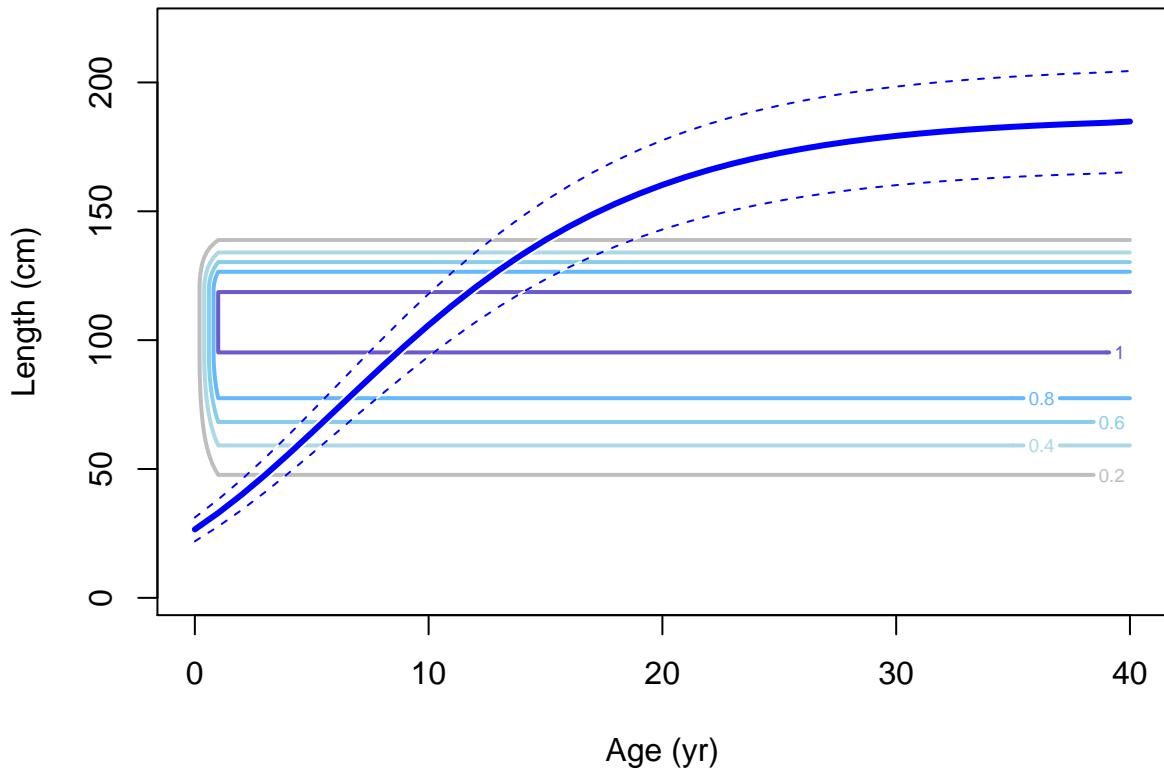
# Male ending year selectivity and growth for A2-NOADEL



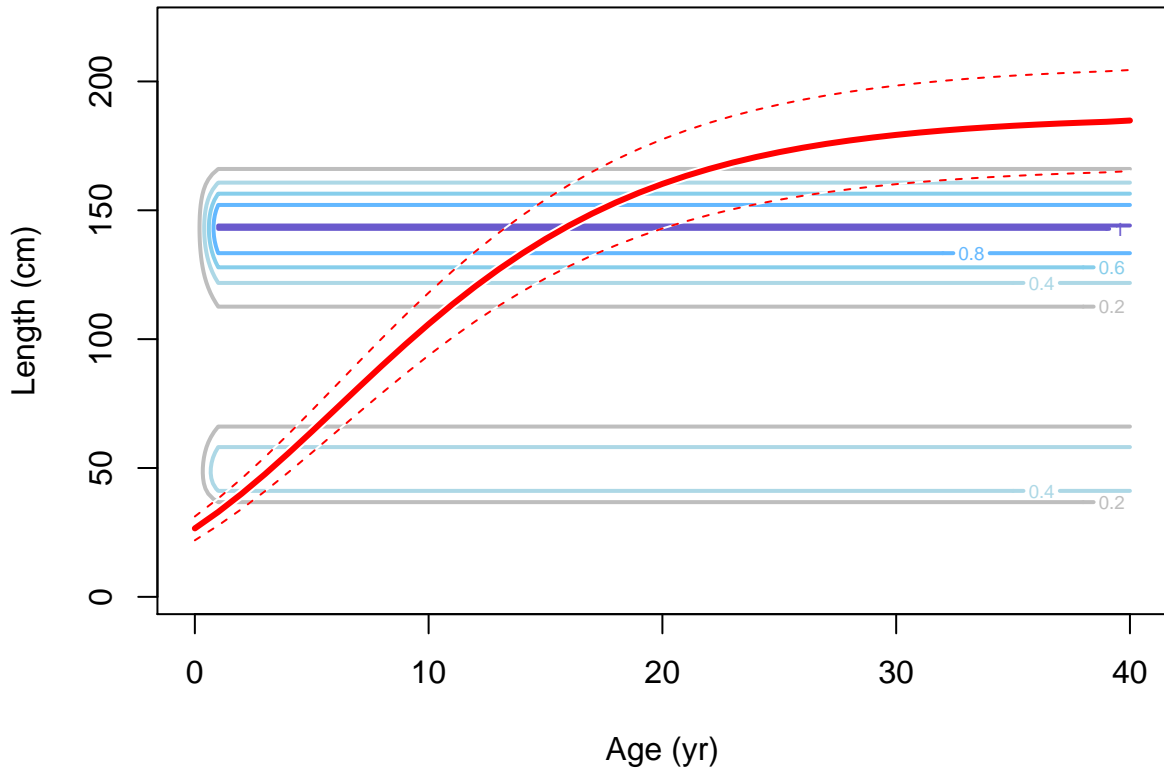
## Female ending year selectivity and growth for A3-NOADEL



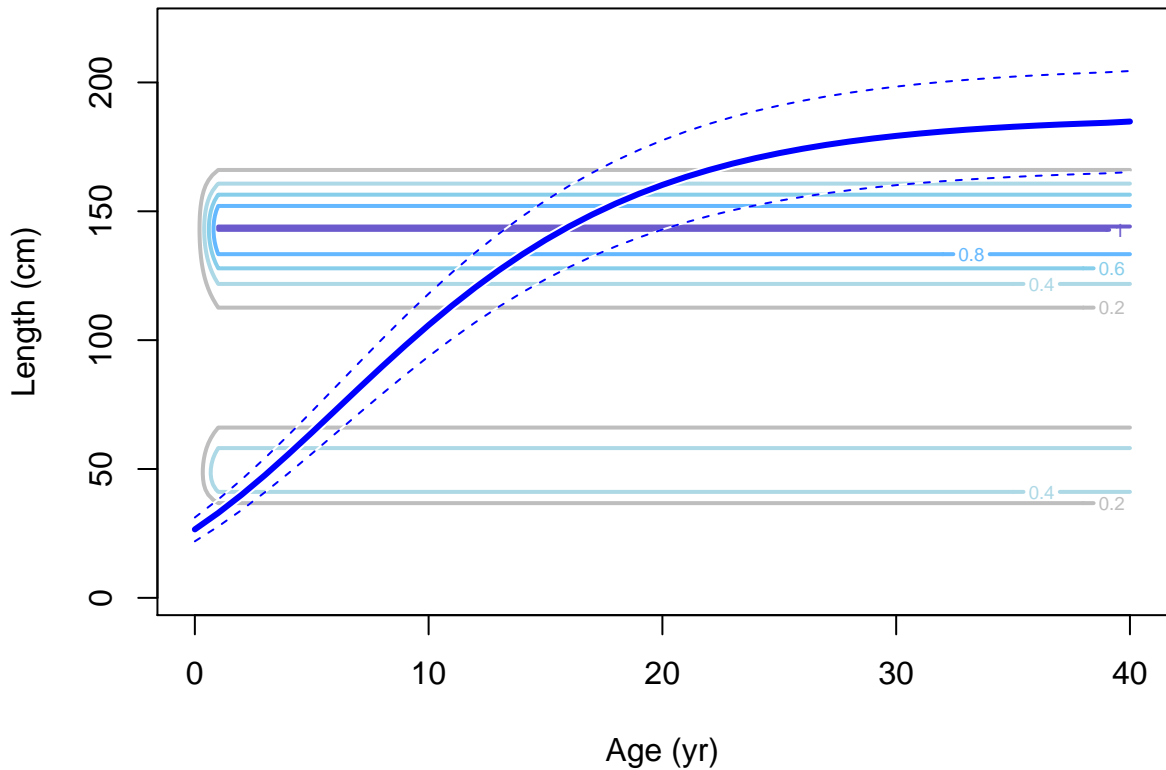
## Male ending year selectivity and growth for A3-NOADEL



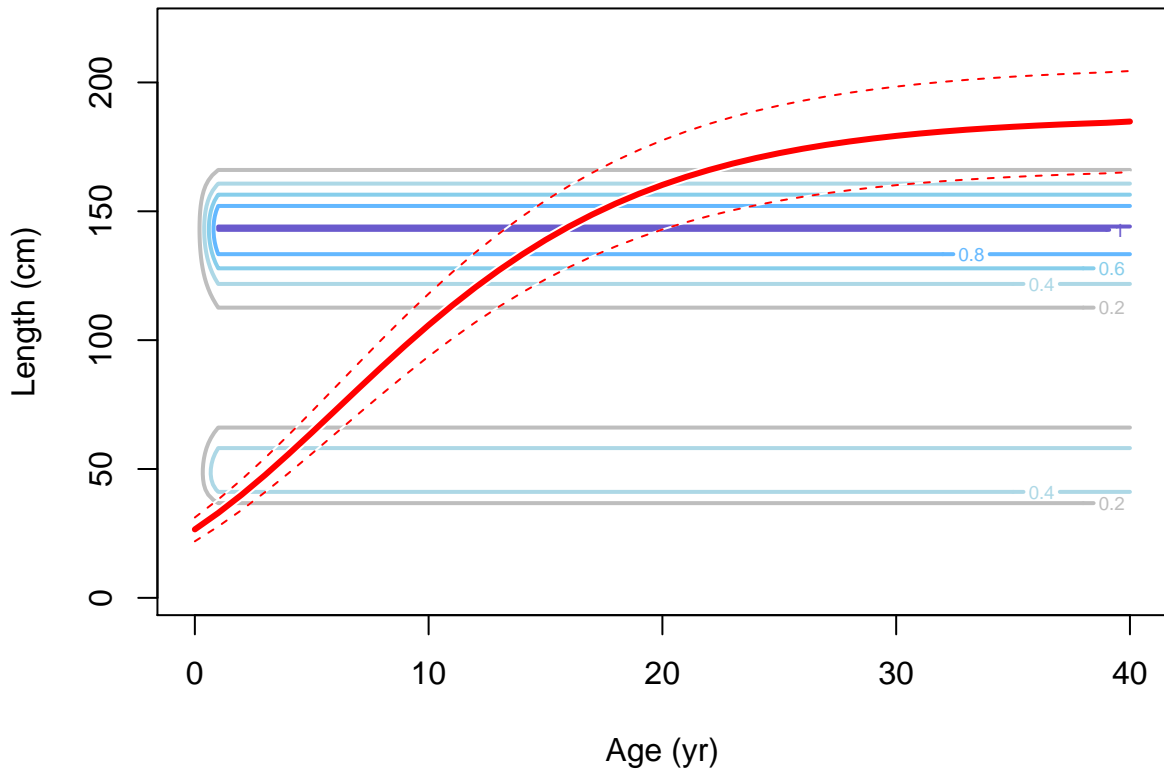
## Female ending year selectivity and growth for A4-NOADEL



# Male ending year selectivity and growth for A4-NOADEL

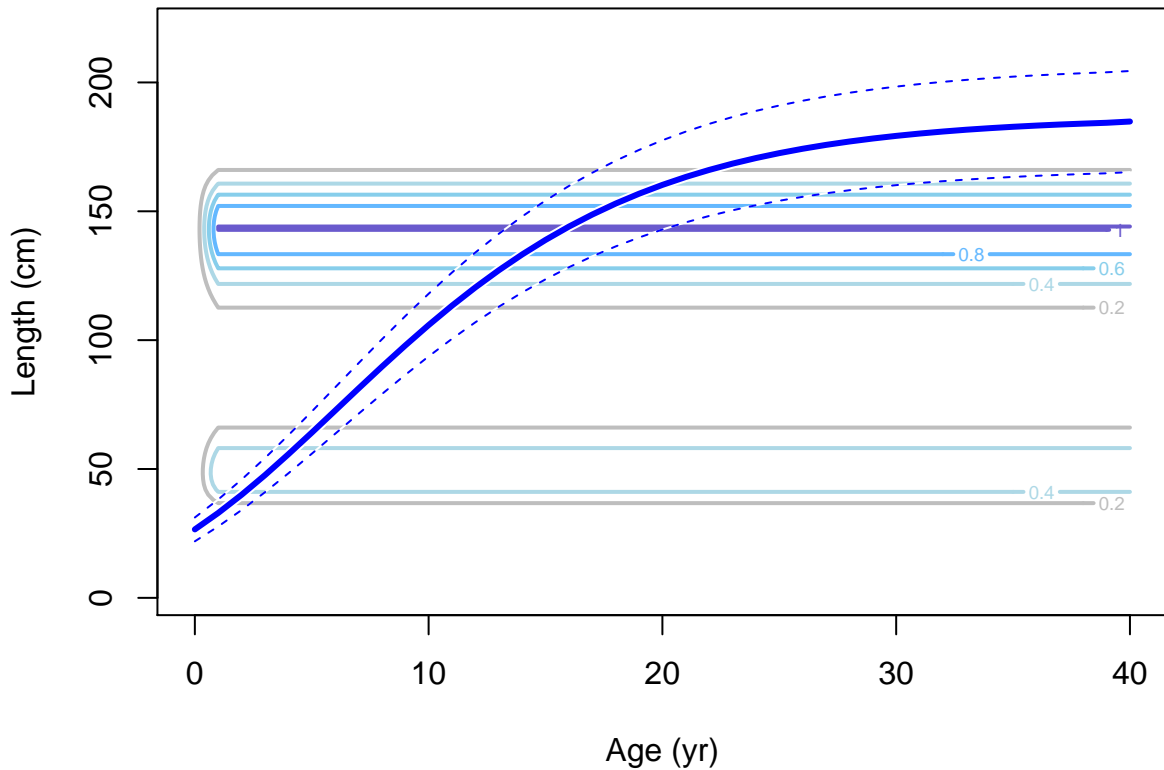


## Female ending year selectivity and growth for A5-NOADEL

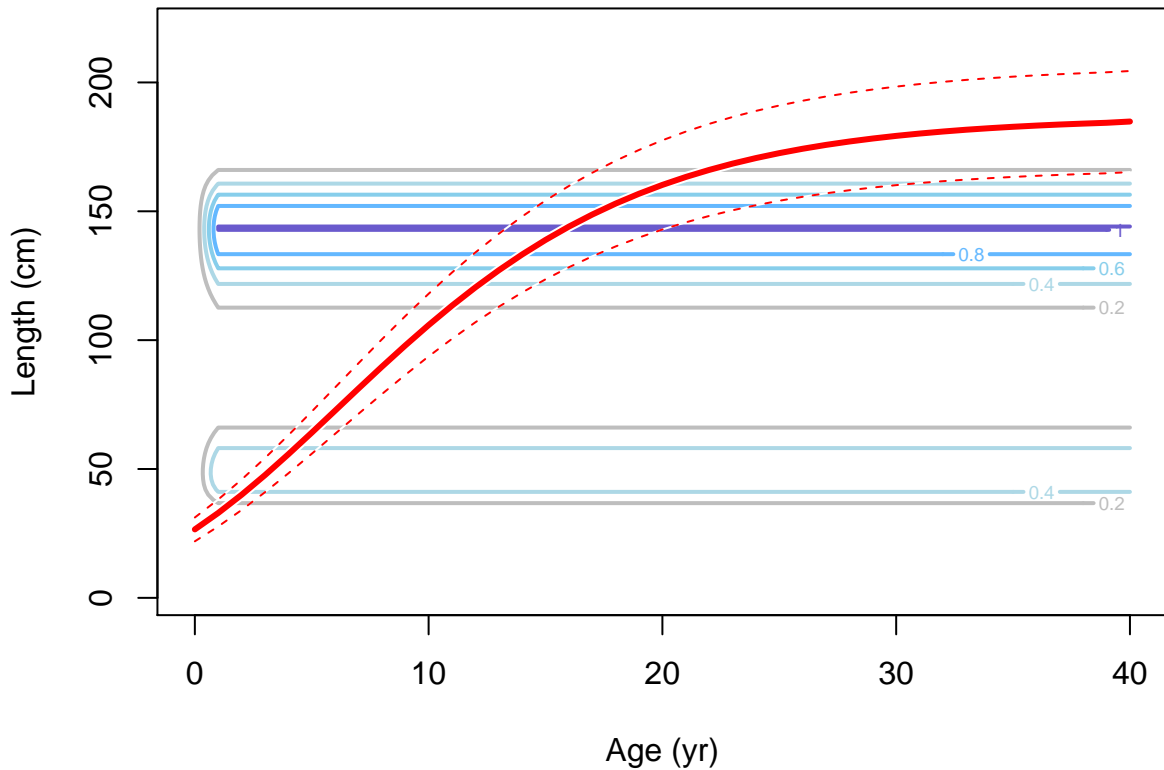




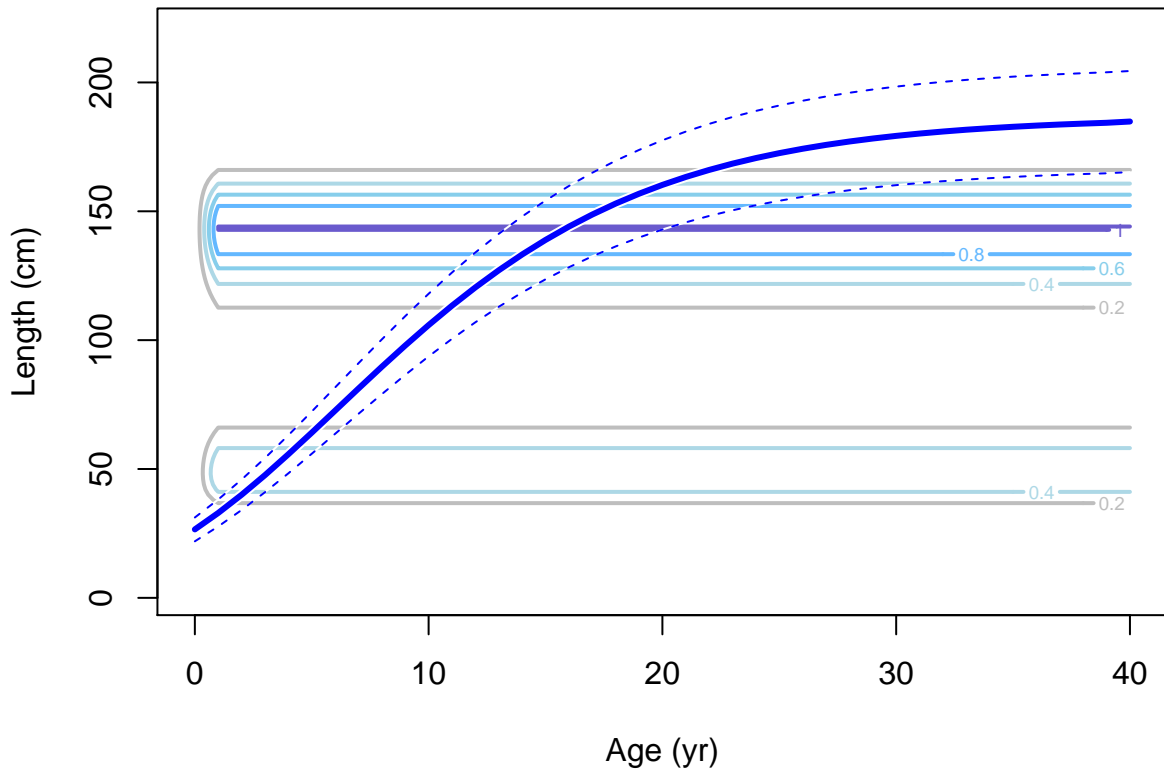
# Male ending year selectivity and growth for A5-NOADEL



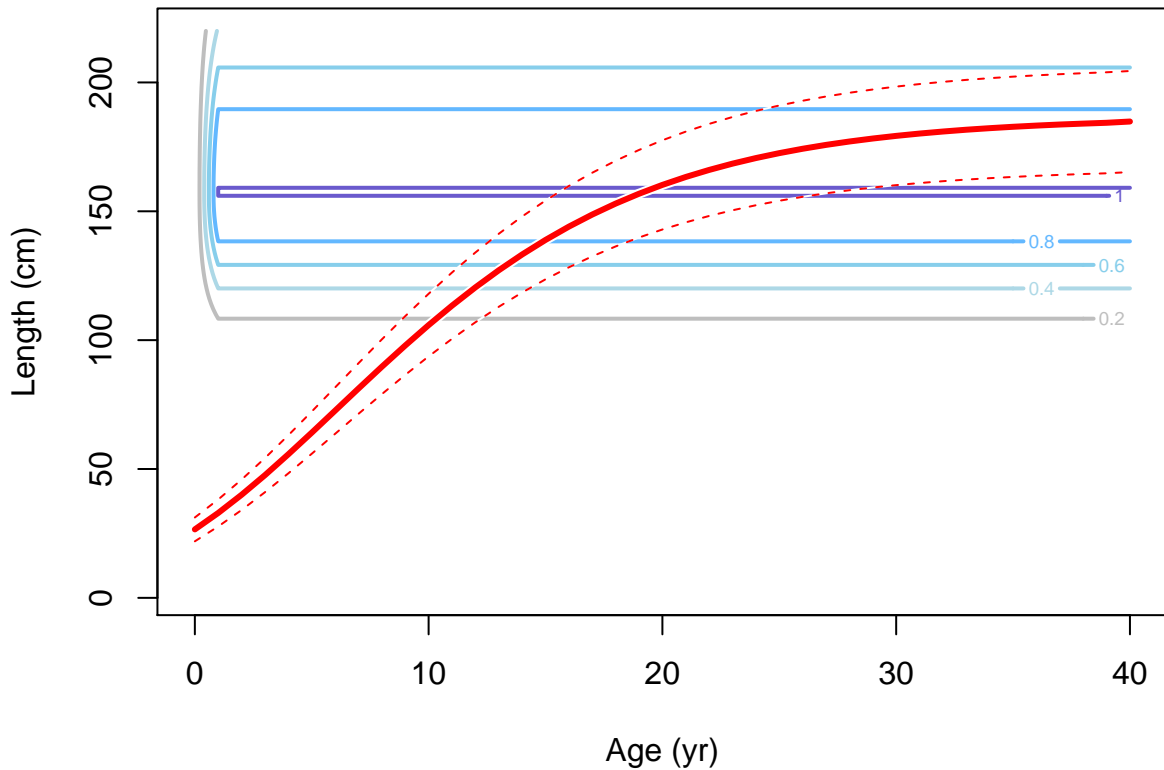
## Female ending year selectivity and growth for A6-NOADEL



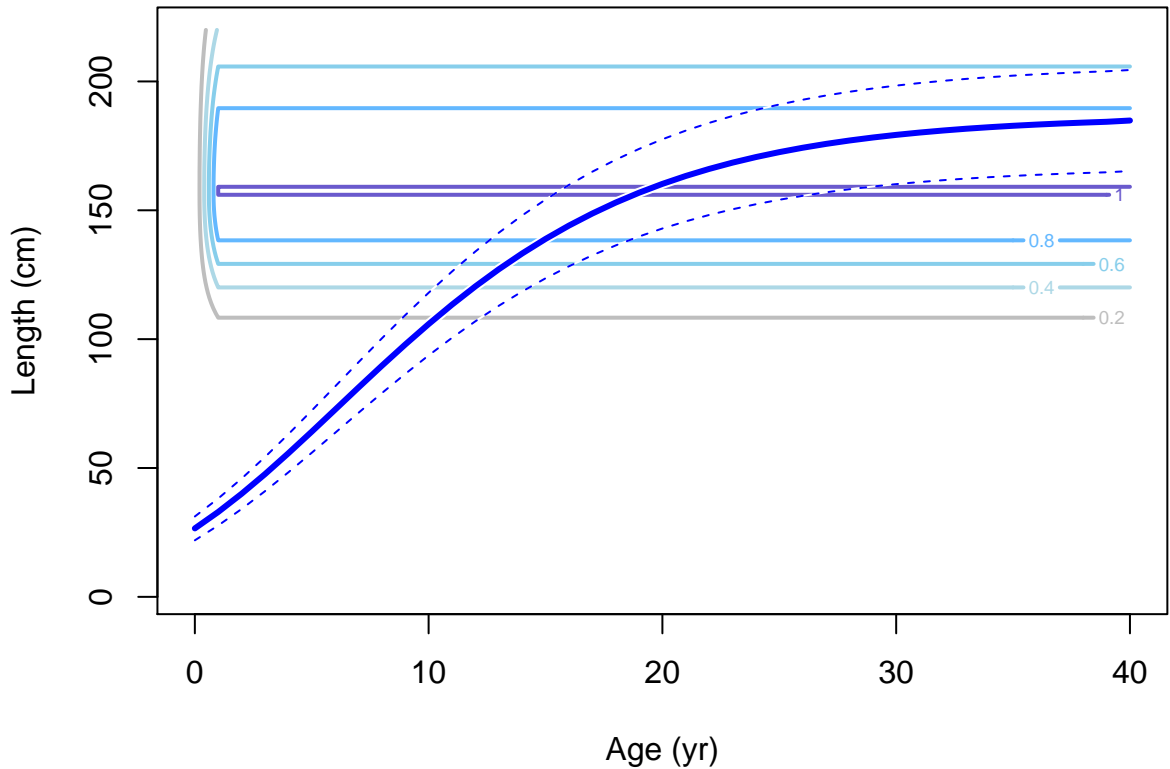
# Male ending year selectivity and growth for A6-NOADEL



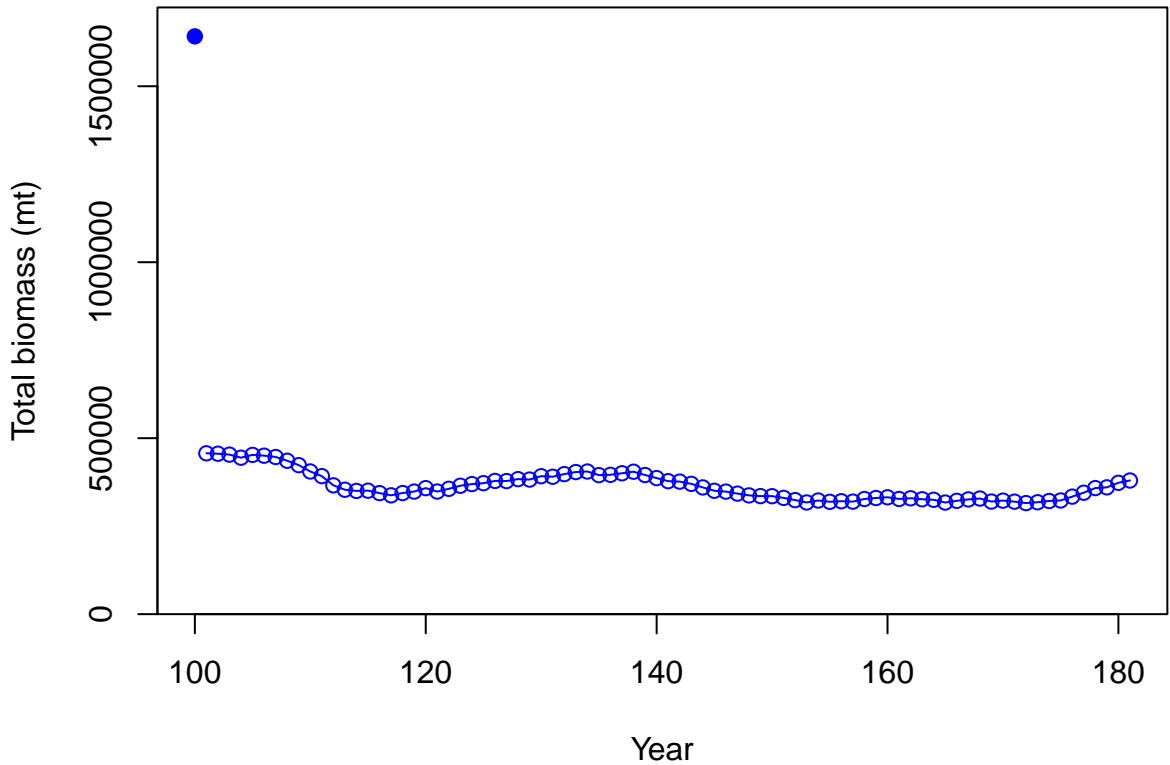
# Female ending year selectivity and growth for EPO-LL-survey-late



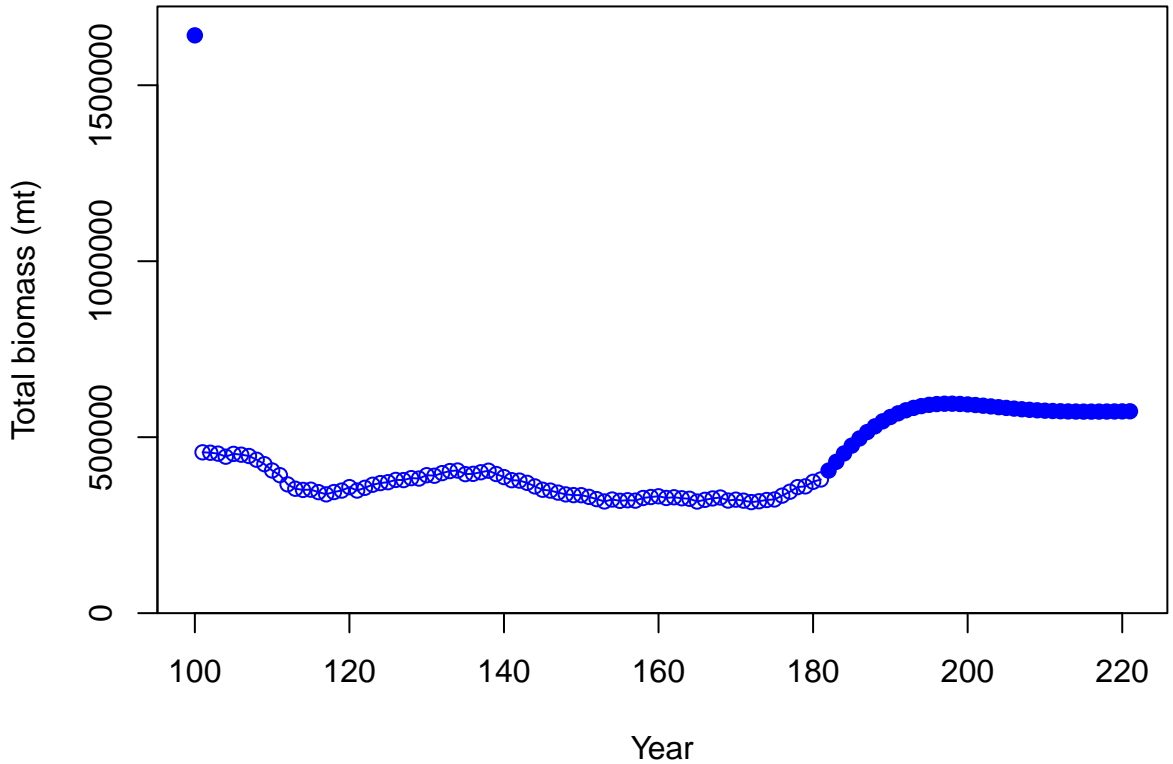
# Male ending year selectivity and growth for EPO-LL-survey-late



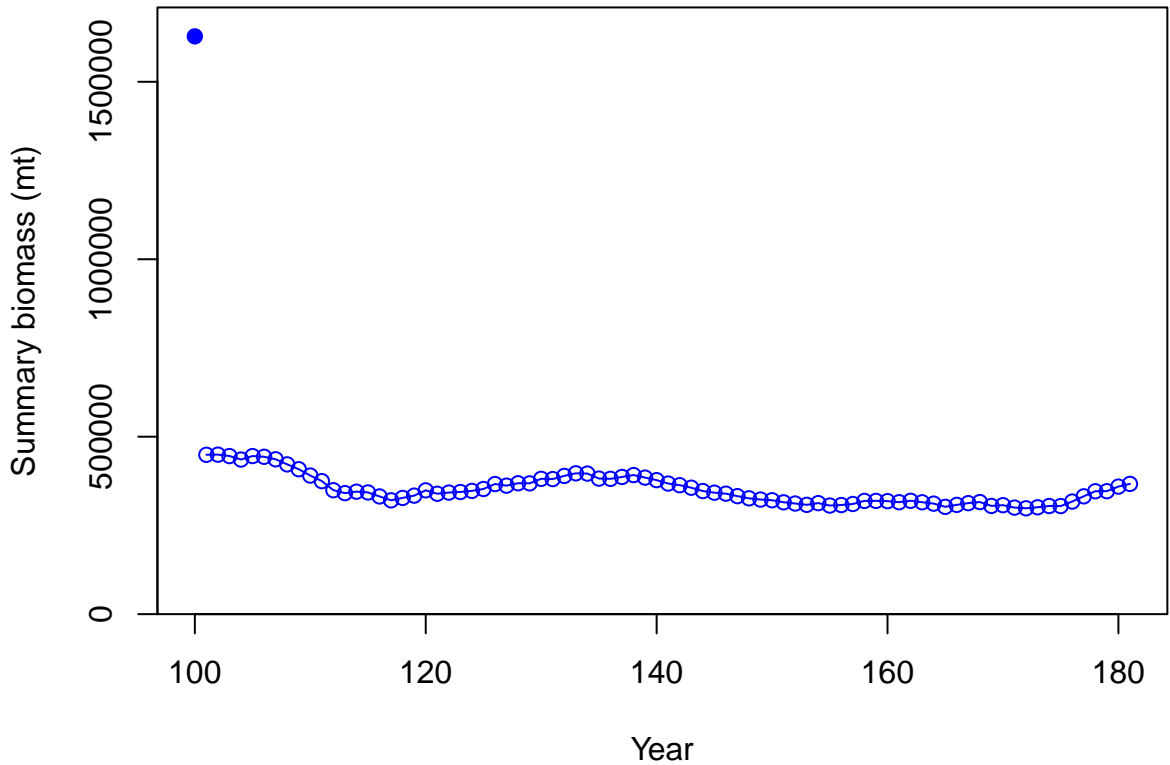
# Total biomass (mt)



Total biomass (mt) with forecast

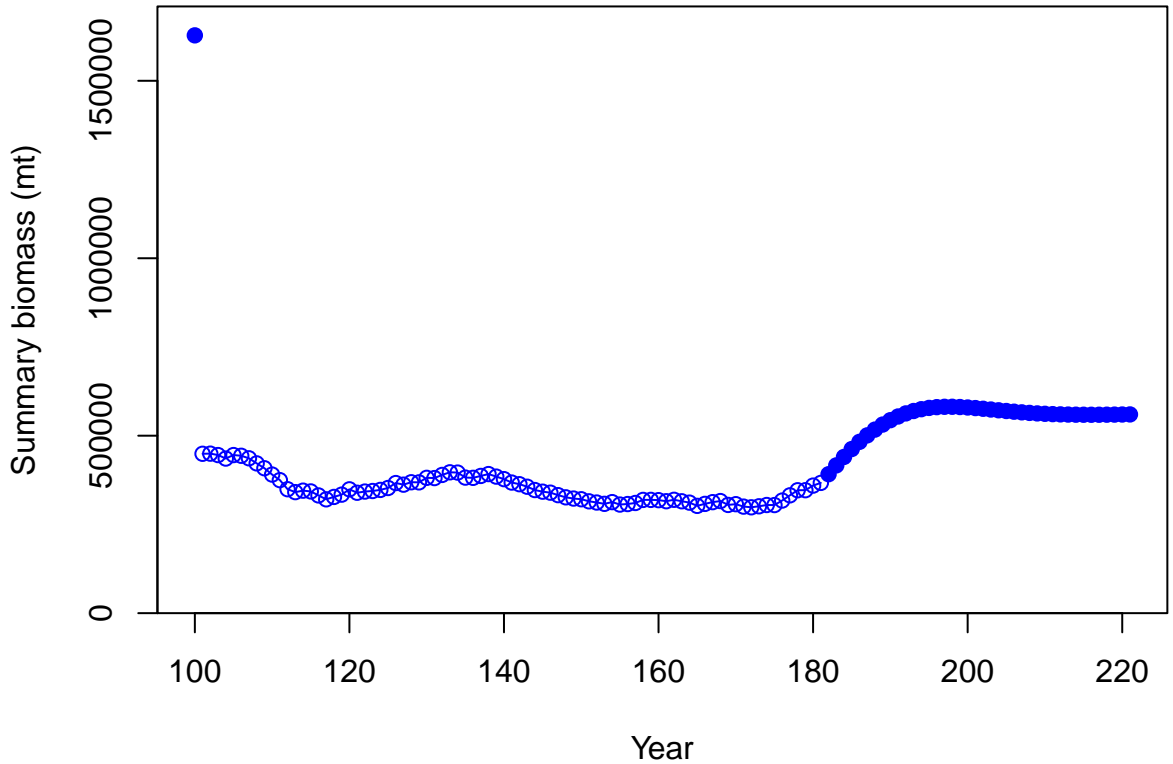


# Summary biomass (mt)

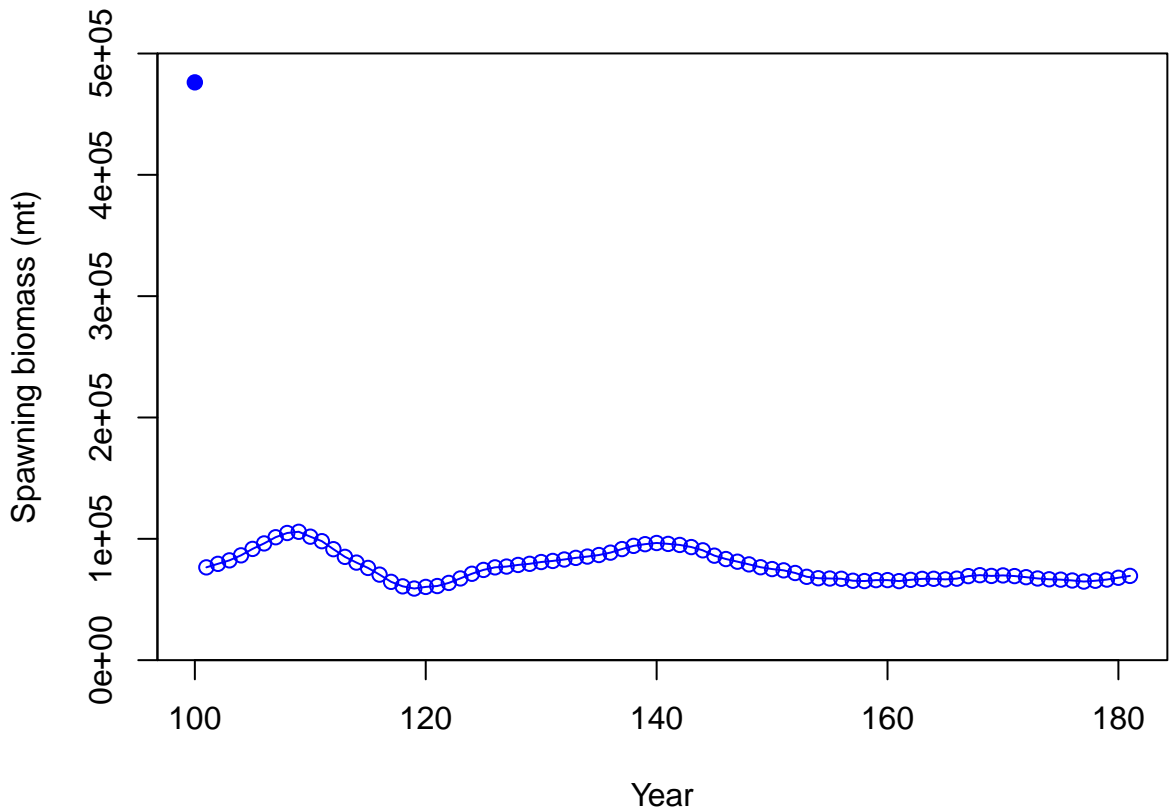




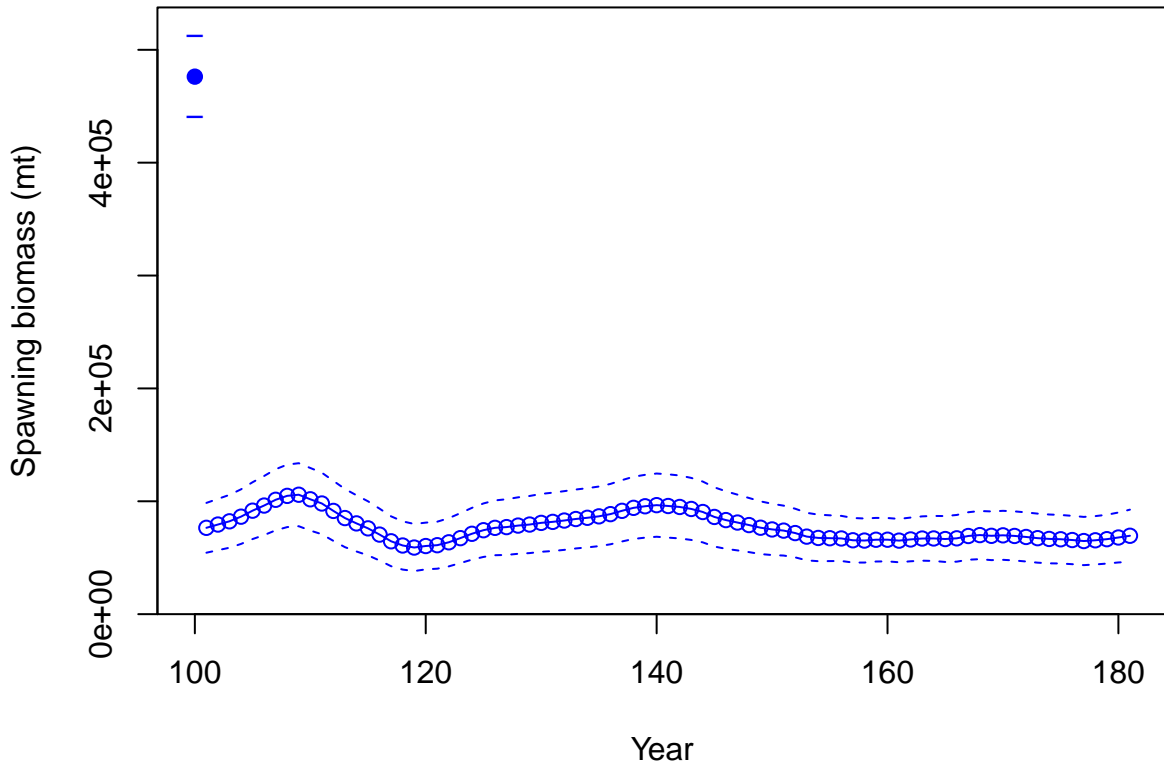
## Summary biomass (mt) with forecast



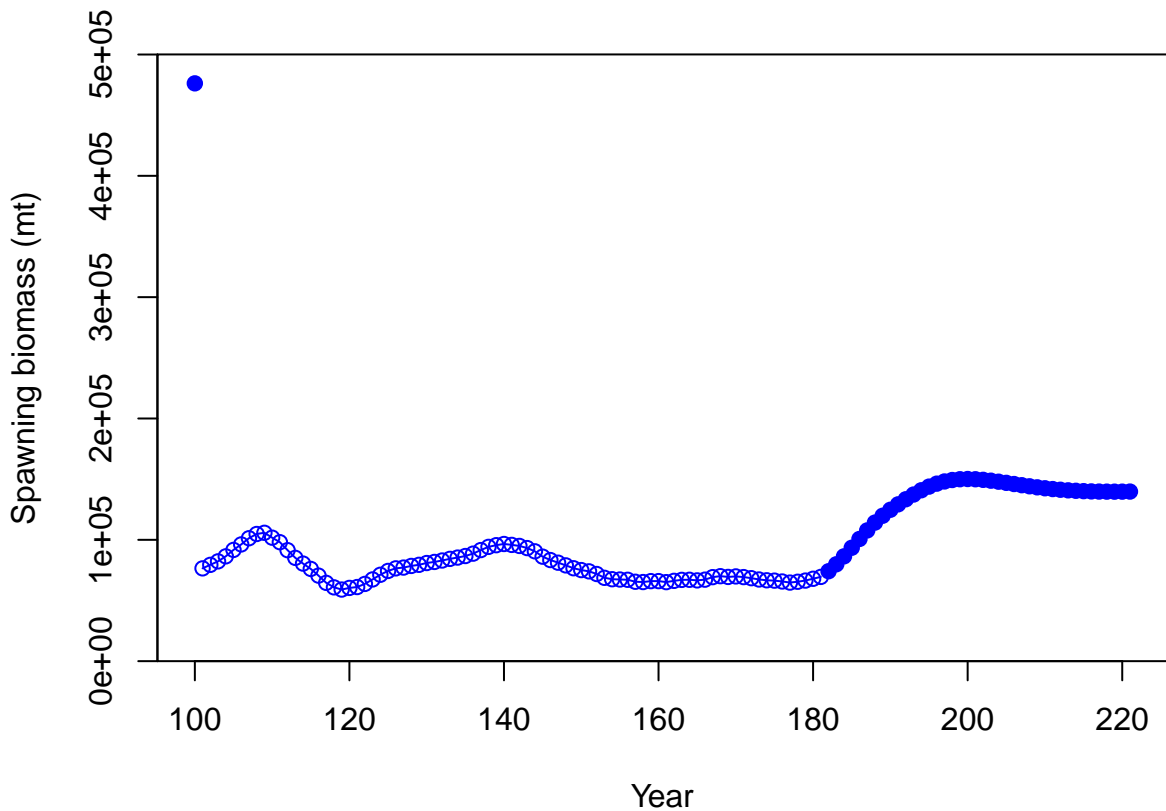
# Spawning biomass (mt)



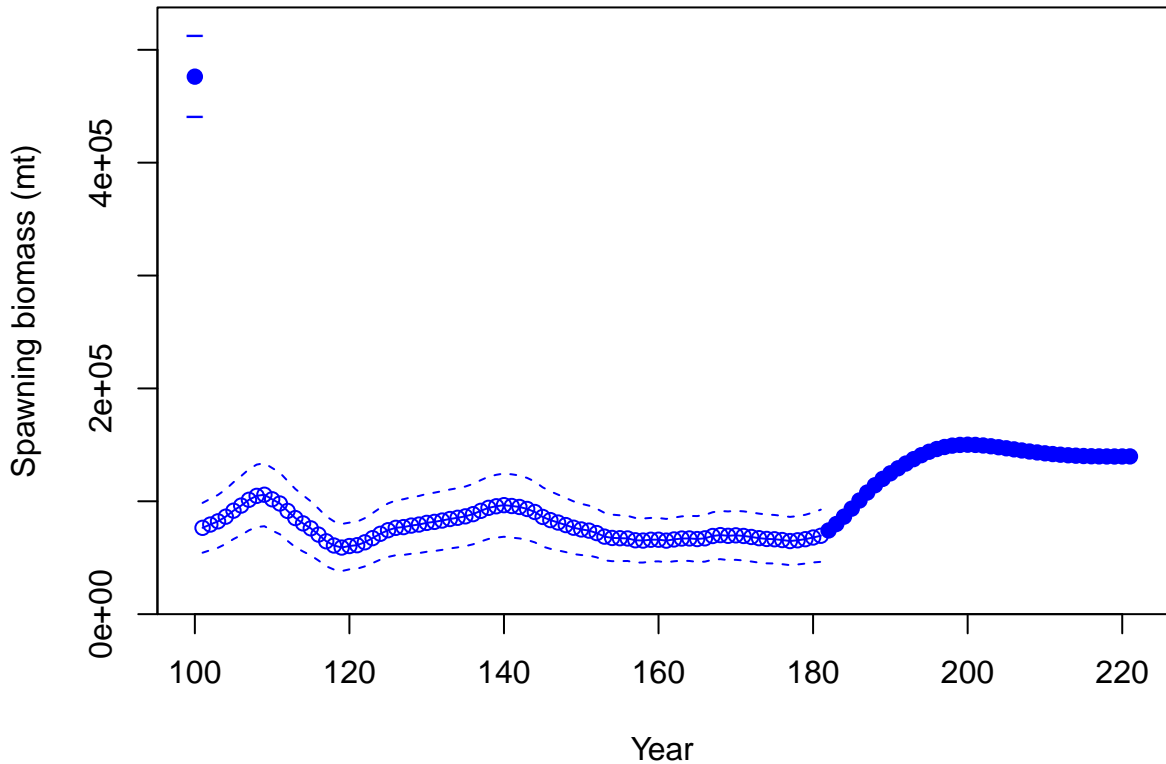
# Spawning biomass (mt) with ~95% asymptotic intervals



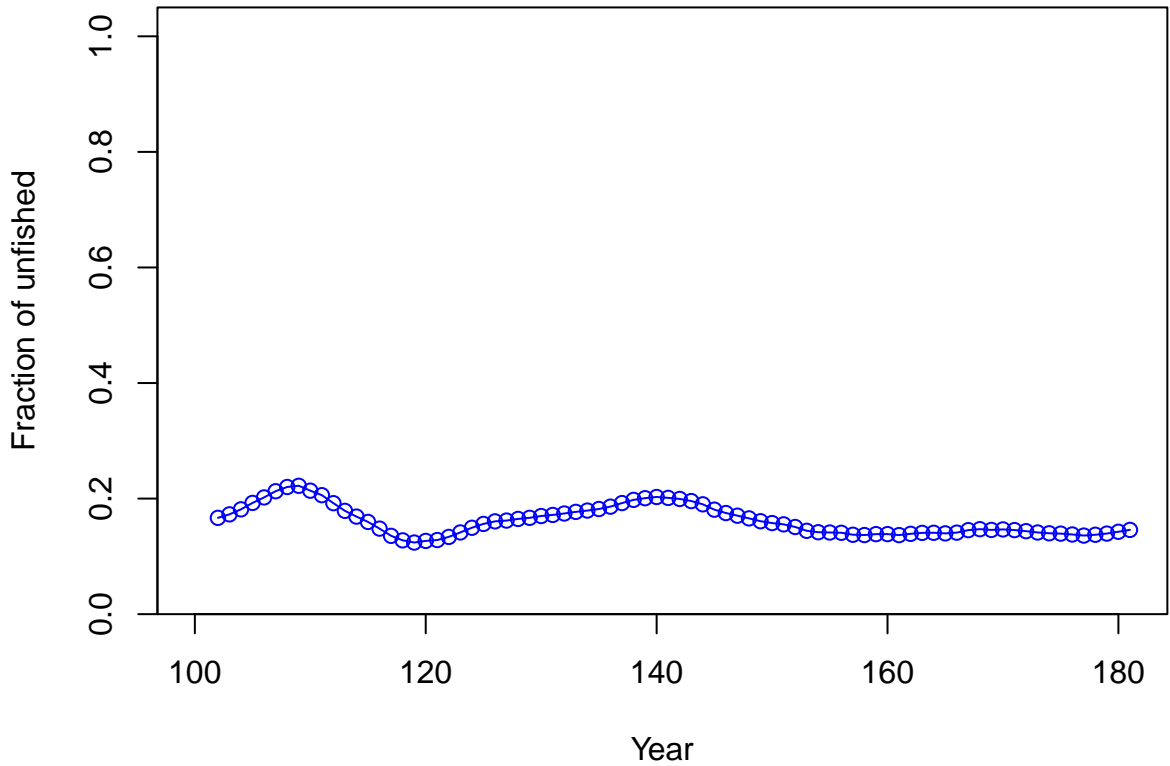
# Spawning biomass (mt) with forecast



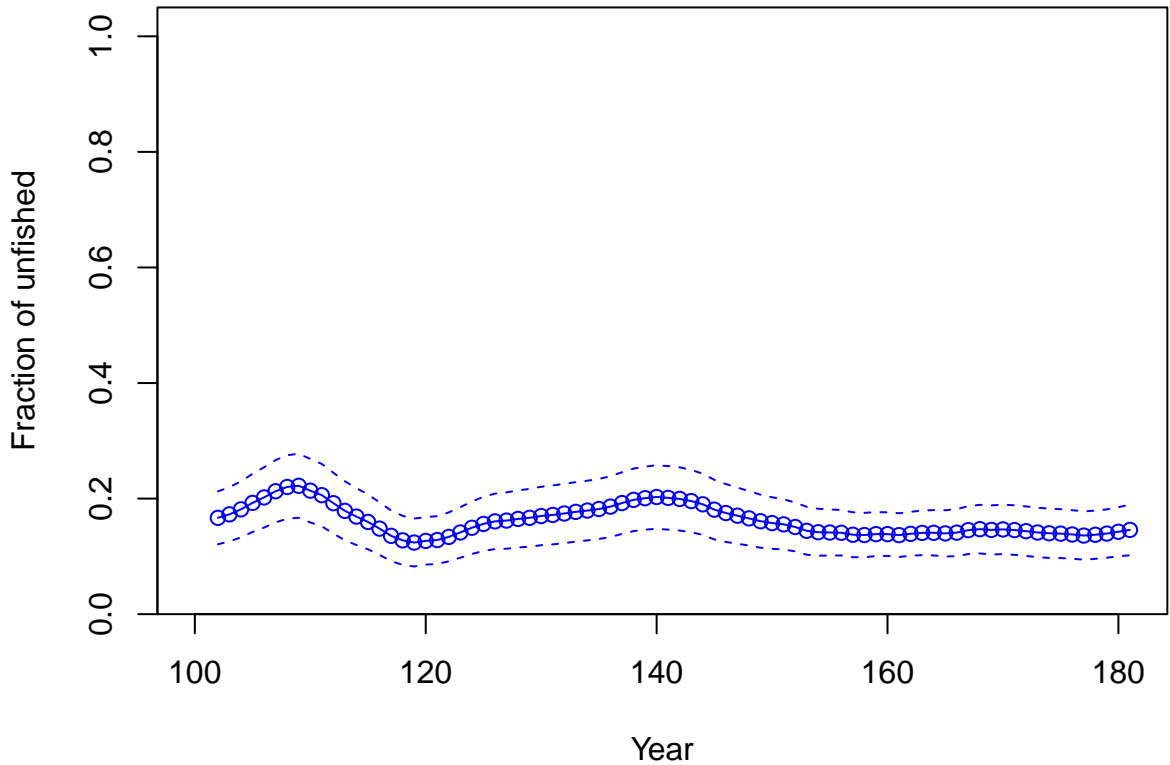
# Spawning biomass (mt) with forecast with ~95% asymptotic intervals



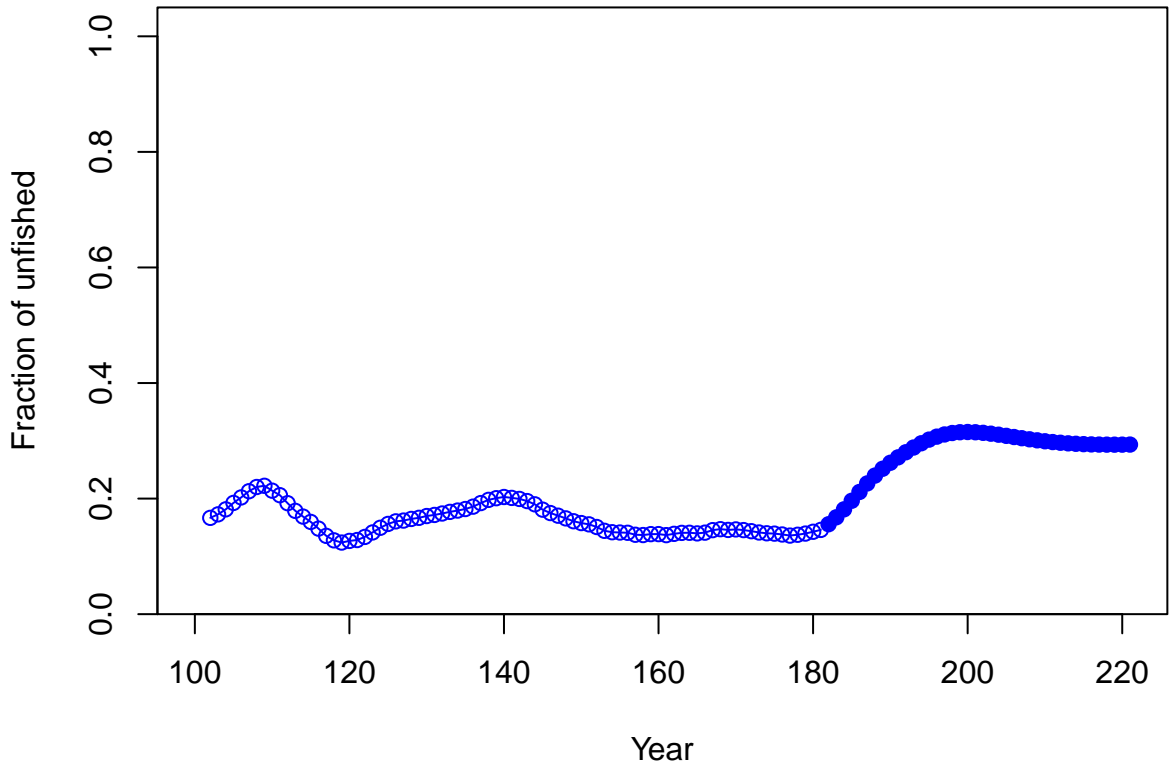
## Fraction of unfished



## Fraction of unfished with ~95% asymptotic intervals

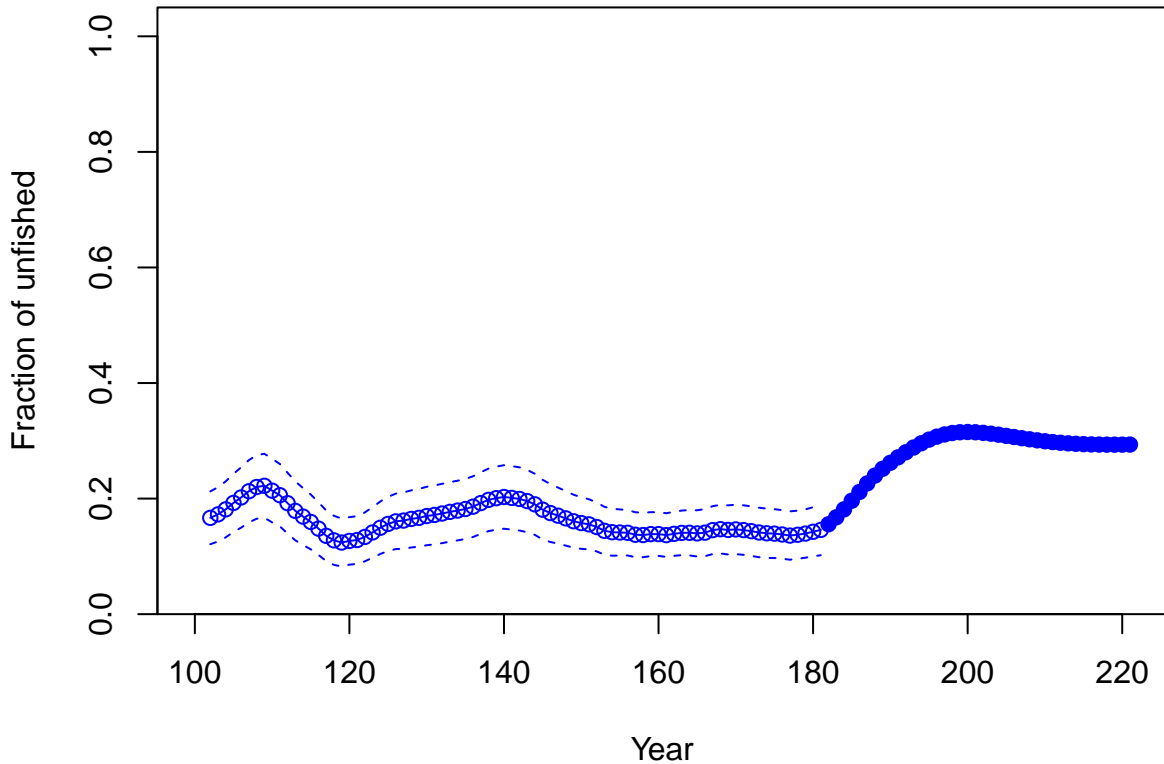


**Fraction of unfished with forecast**

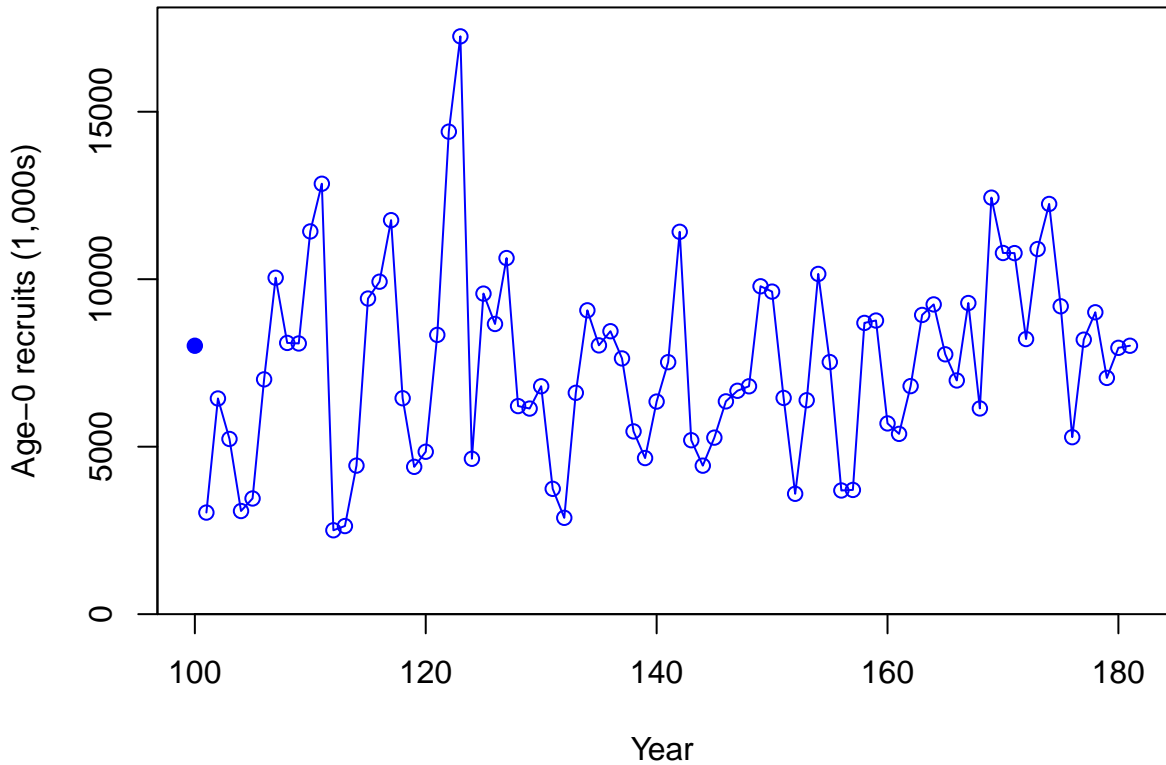




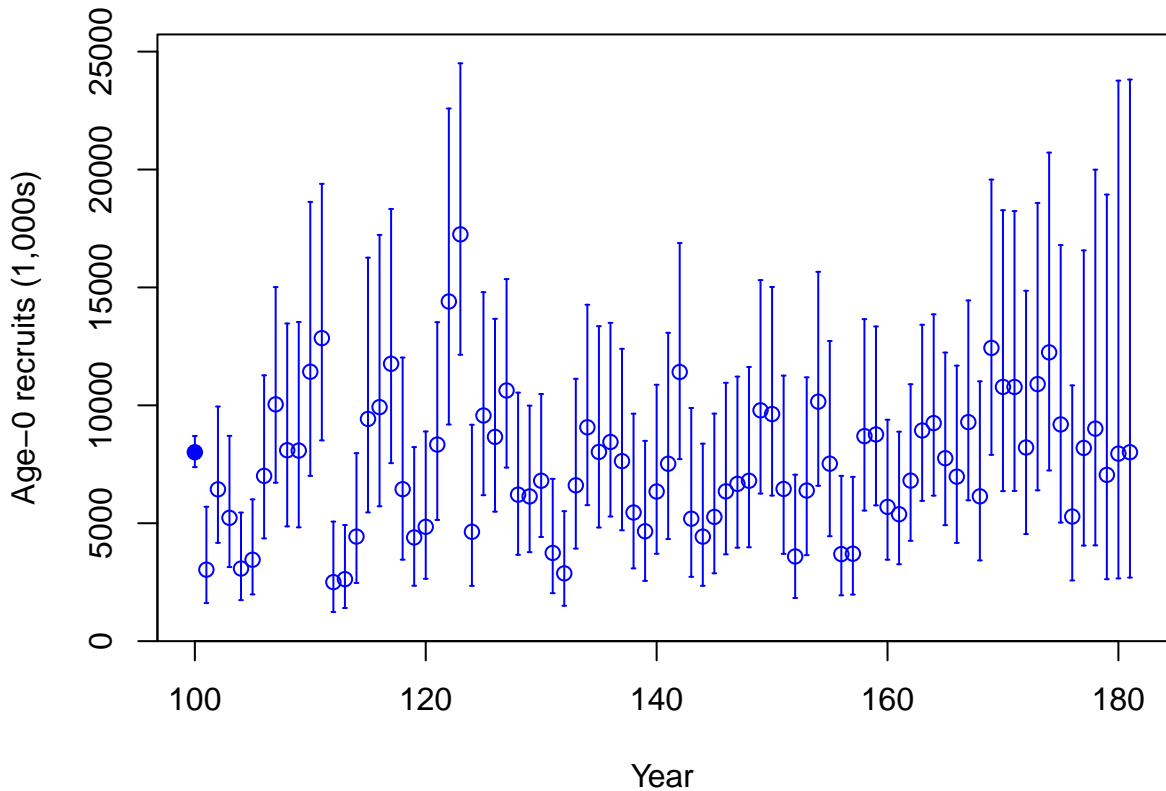
# Fraction of unfished with forecast with ~95% asymptotic intervals



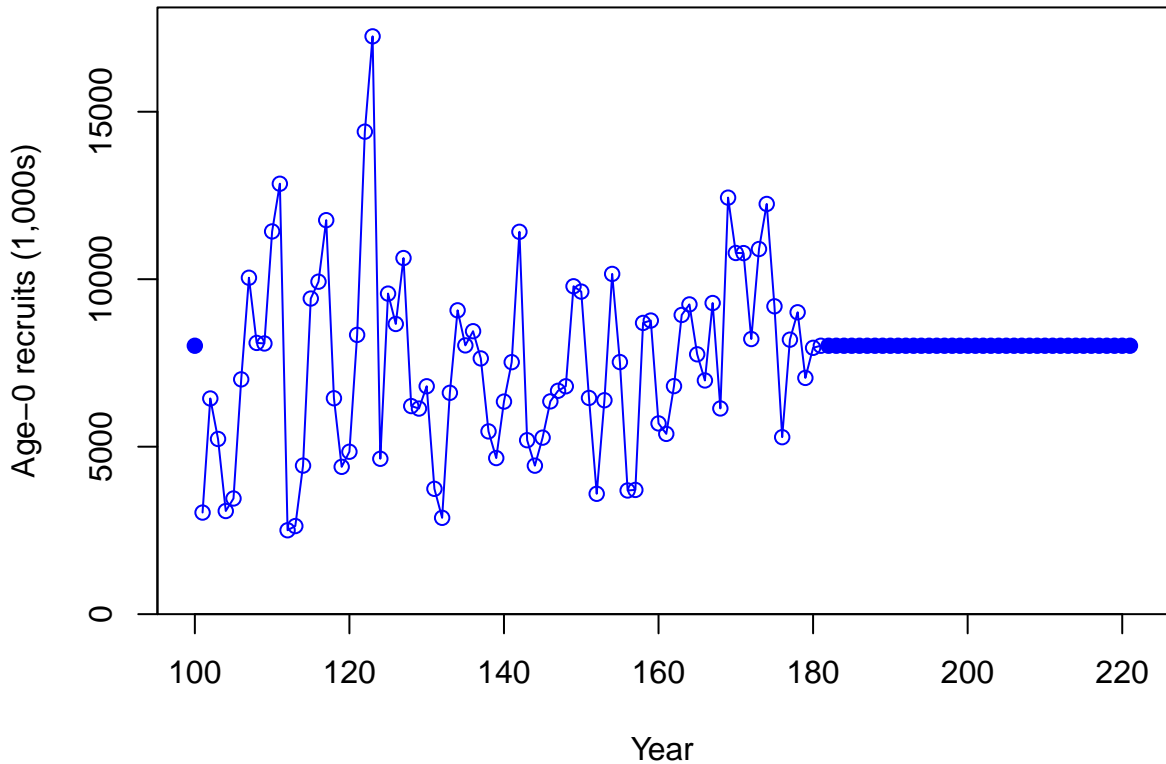
### Age-0 recruits (1,000s)



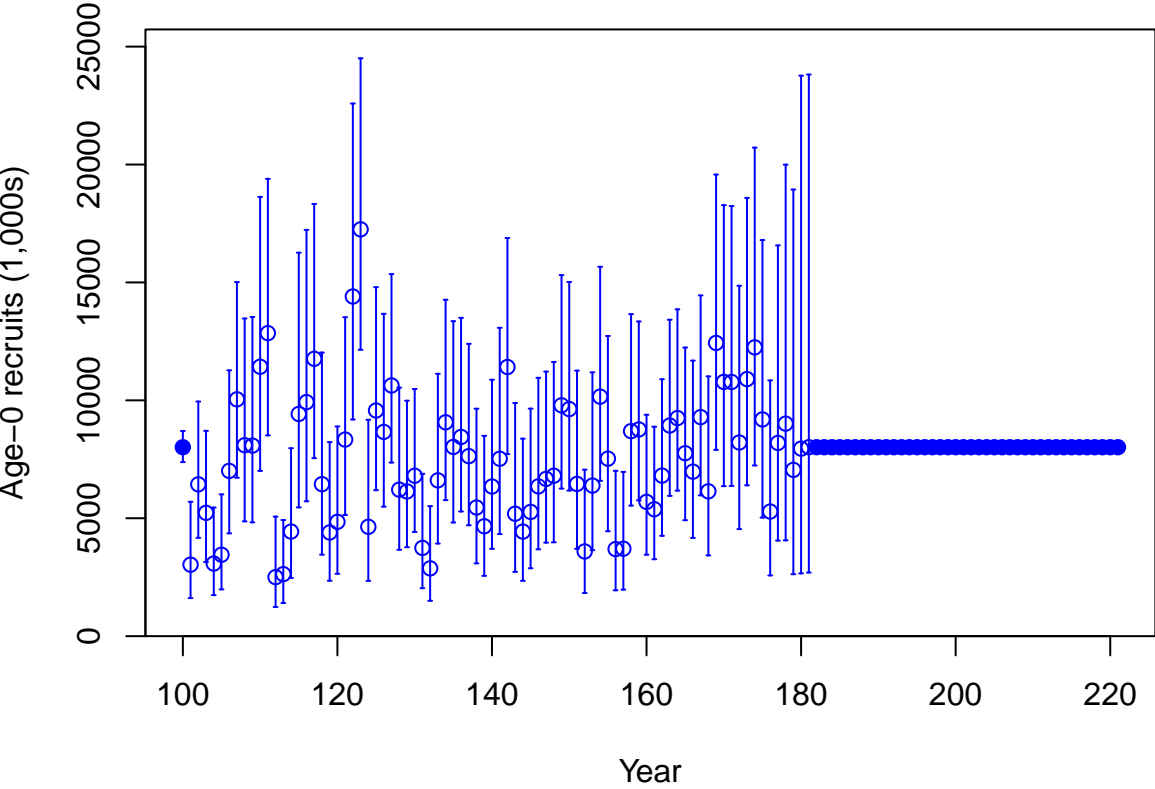
### Age-0 recruits (1,000s) with ~95% asymptotic intervals



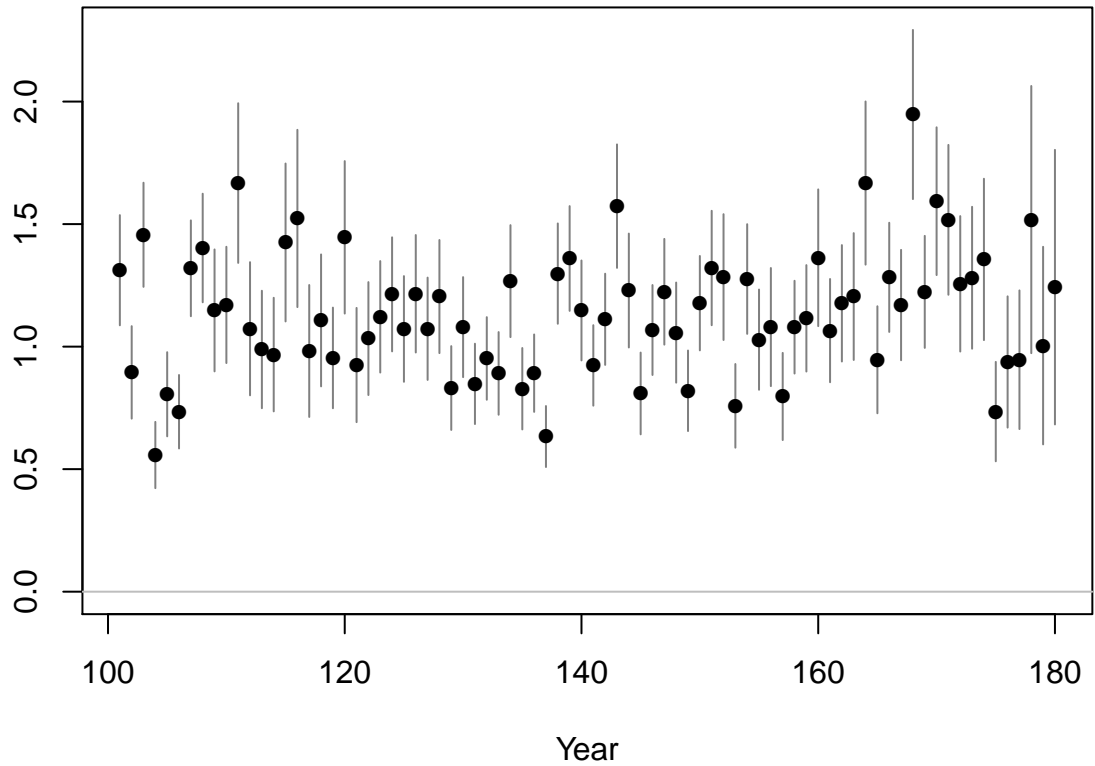
**Age-0 recruits (1,000s) with forecast**

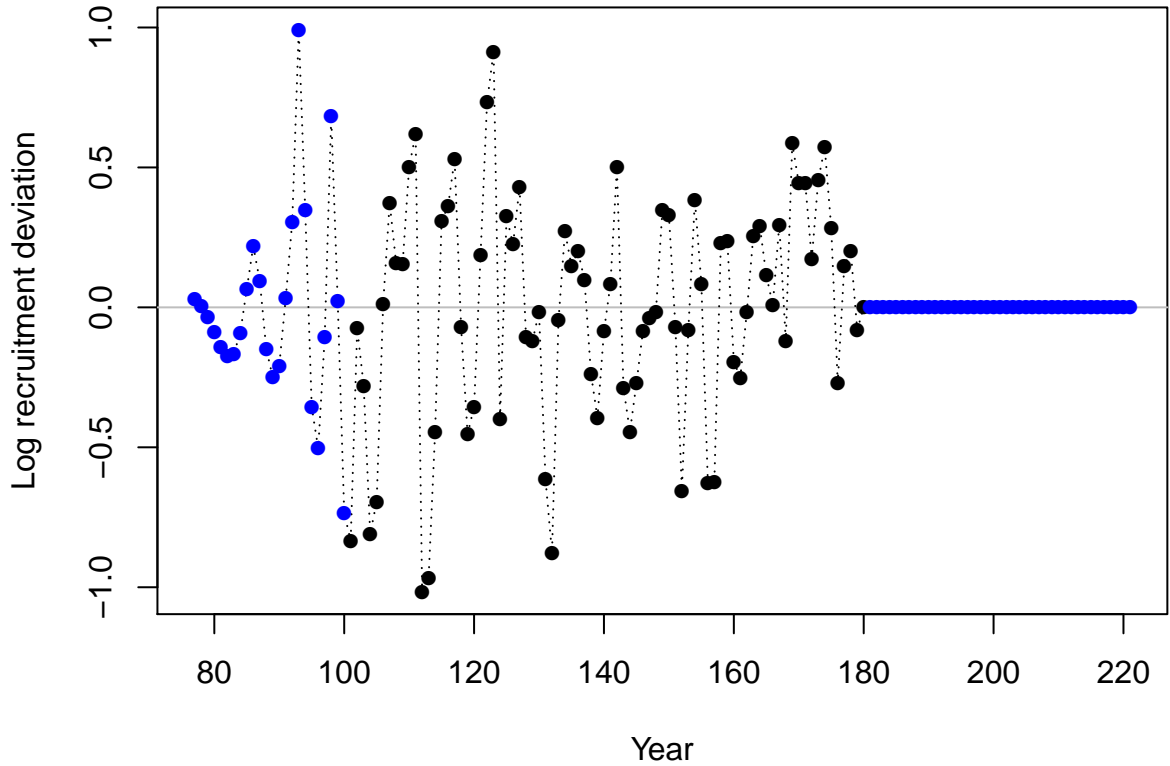


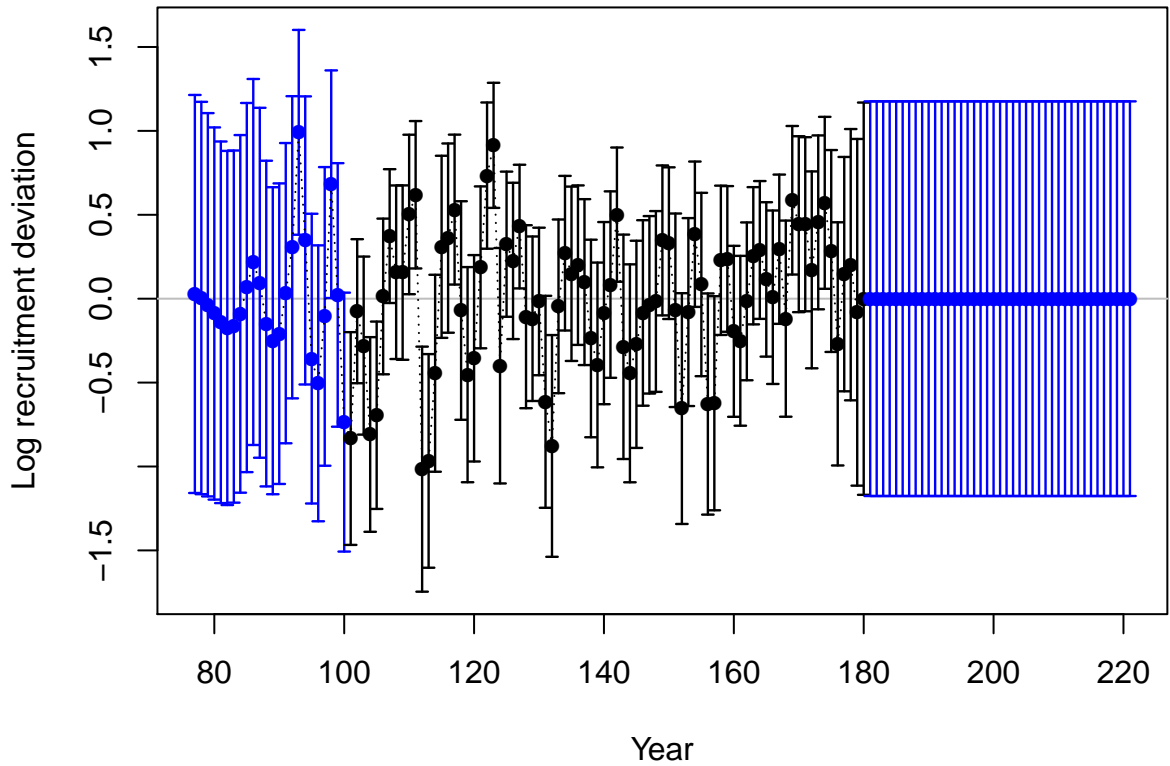
**Age-0 recruits (1,000s) with forecast with ~95% asymptotic intervals**



Summary Fishing Mortality

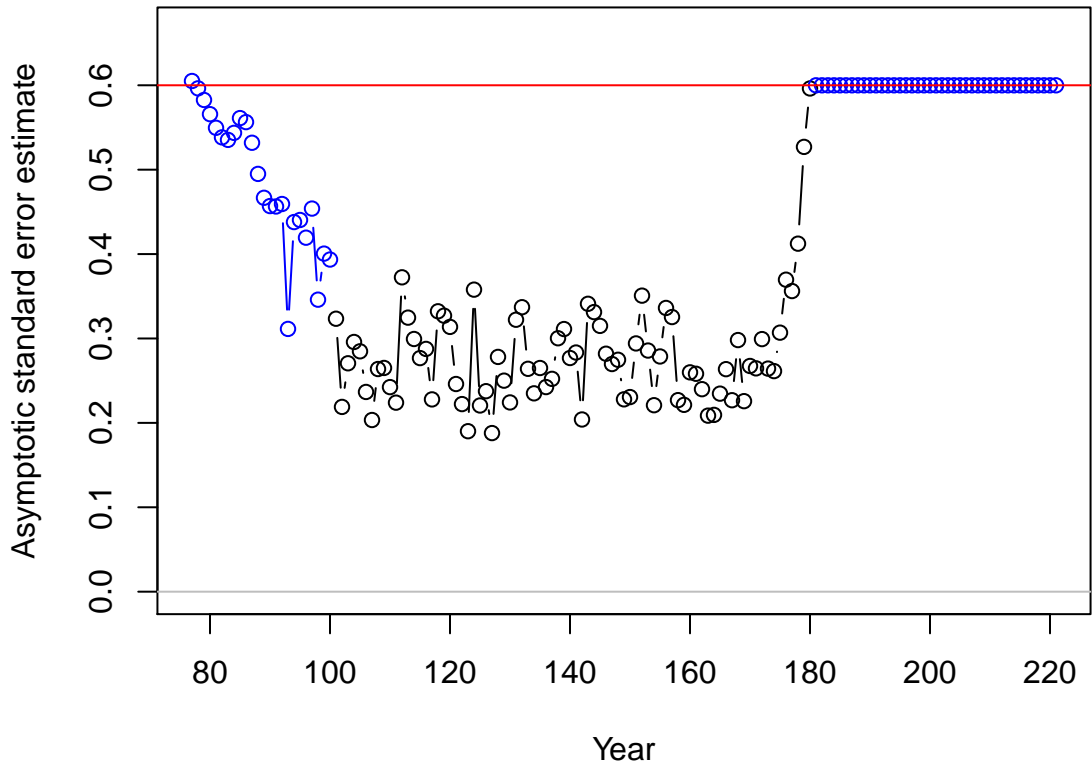


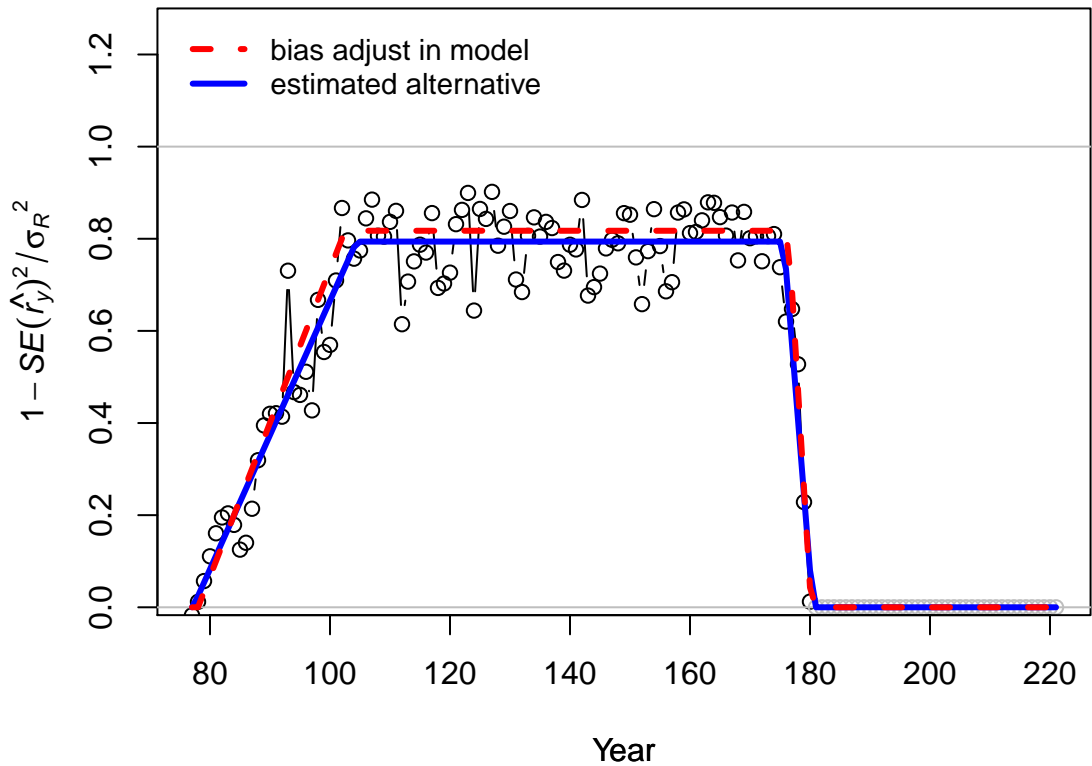


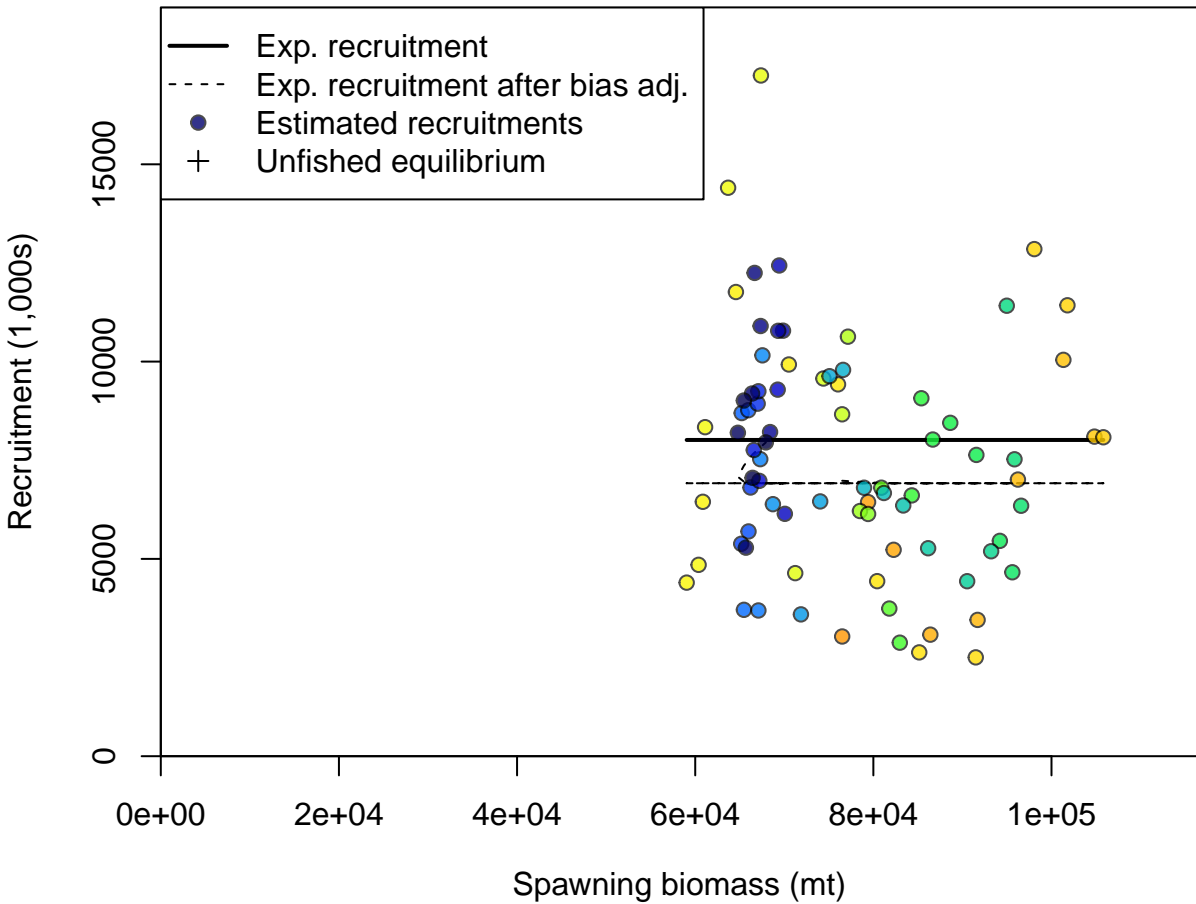


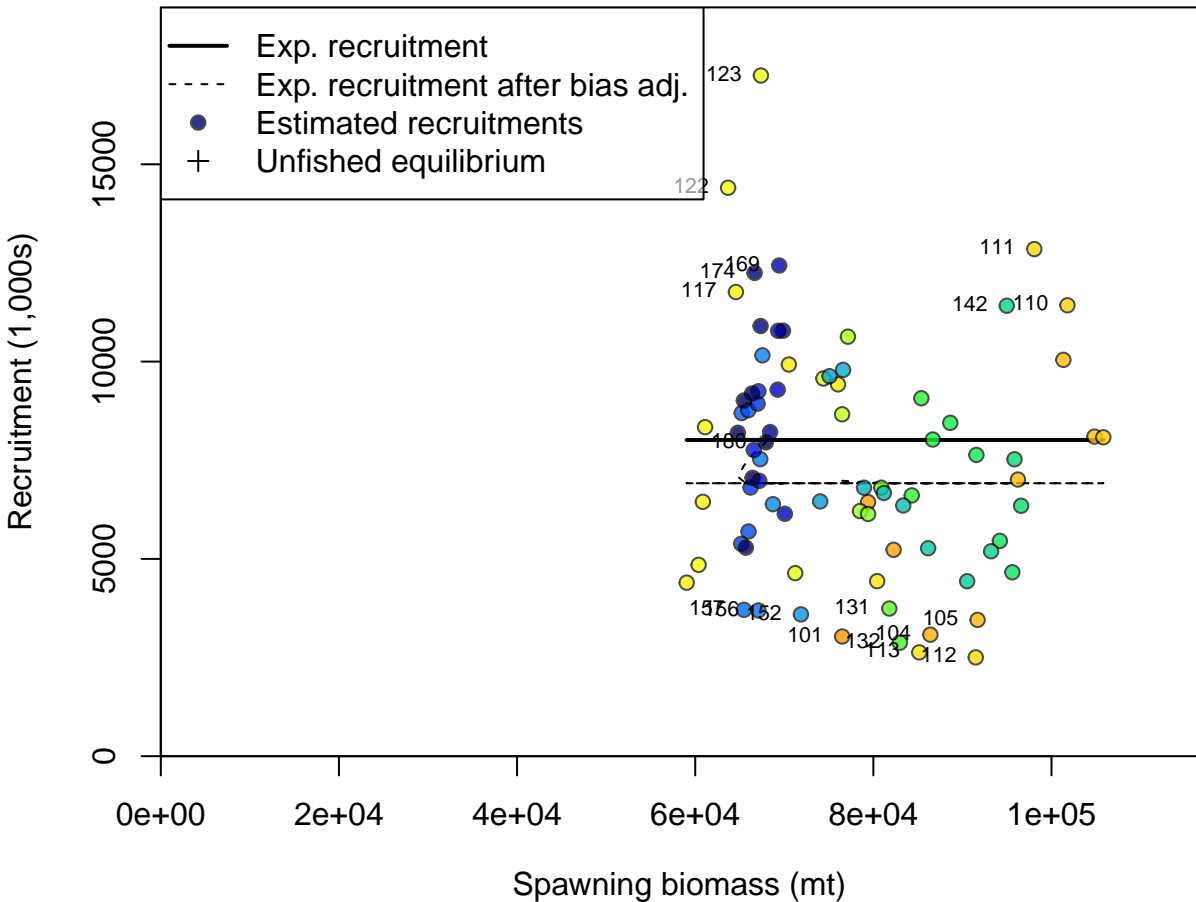


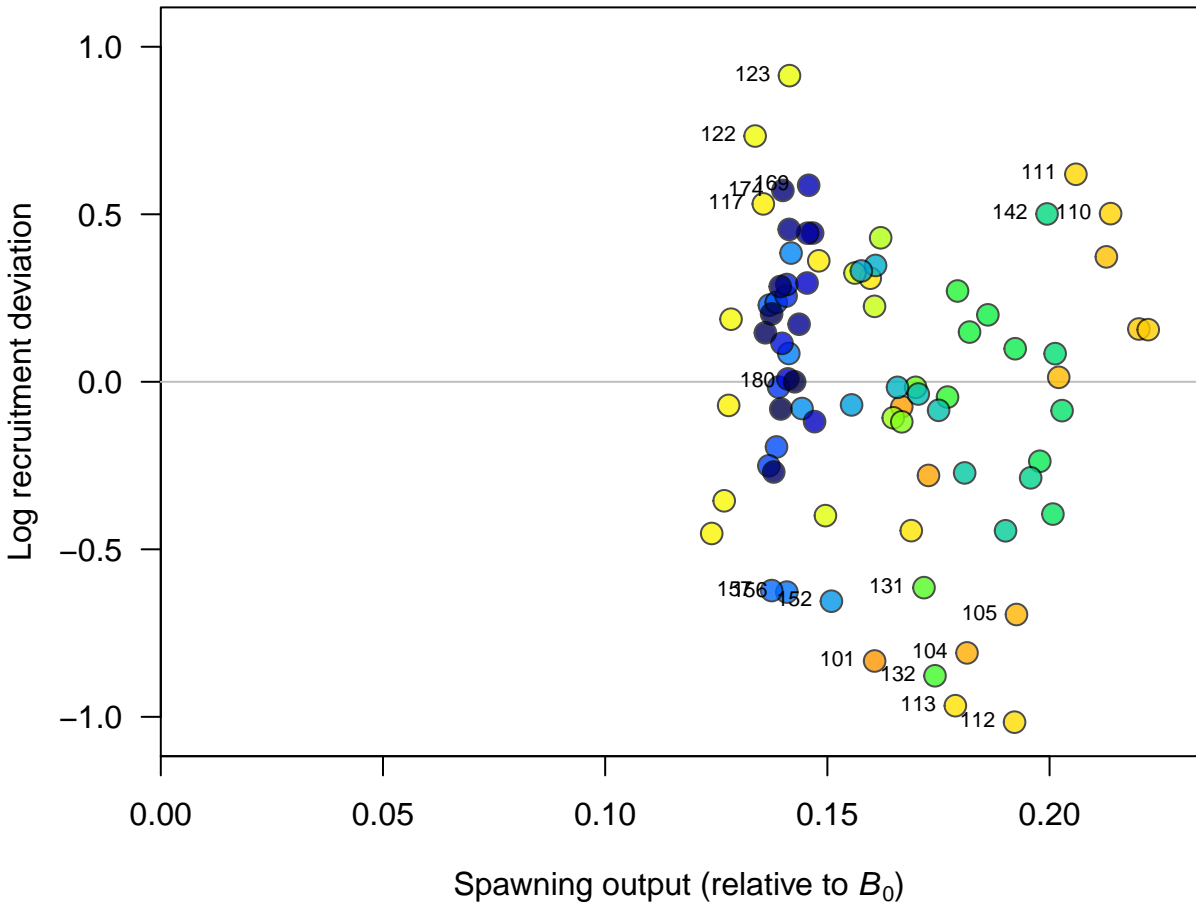
# Recruitment deviation variance

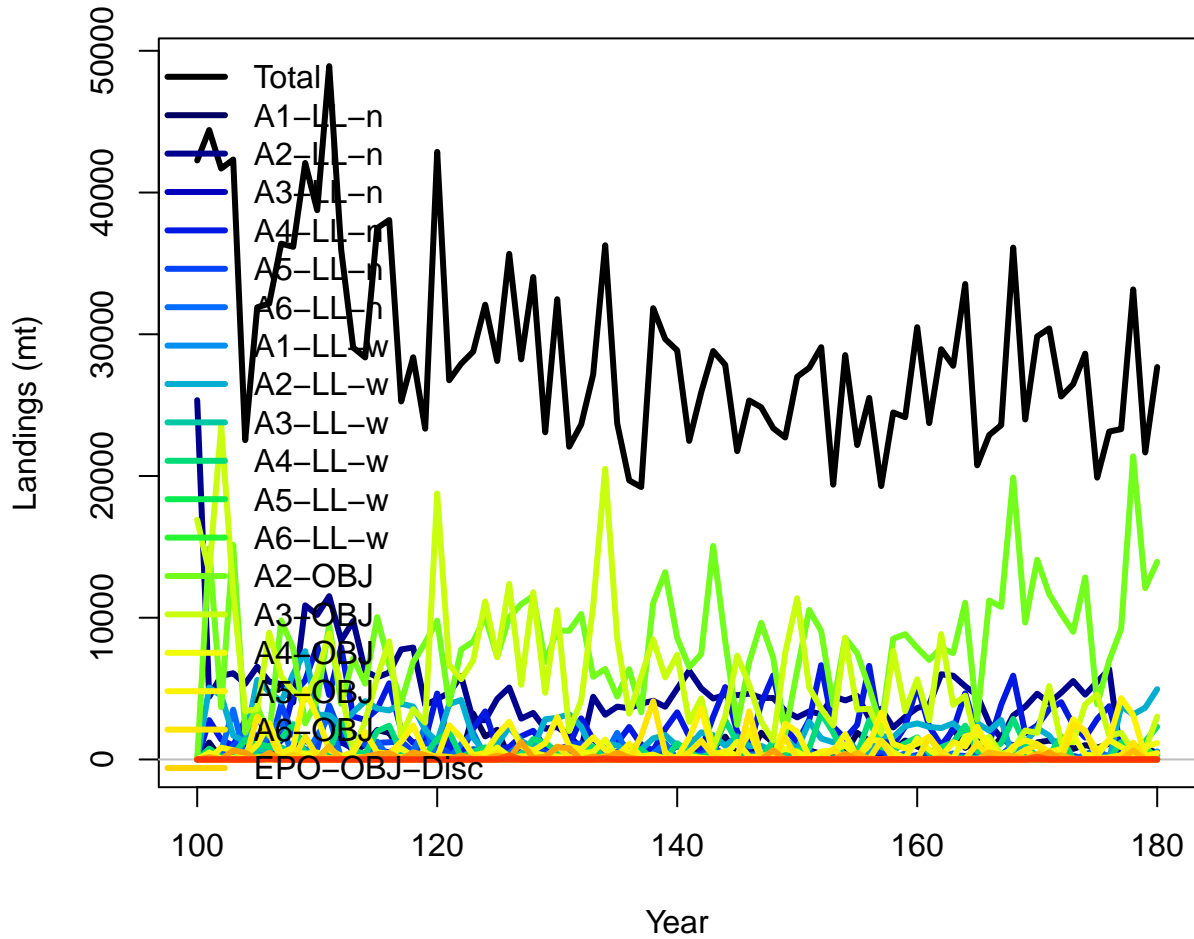


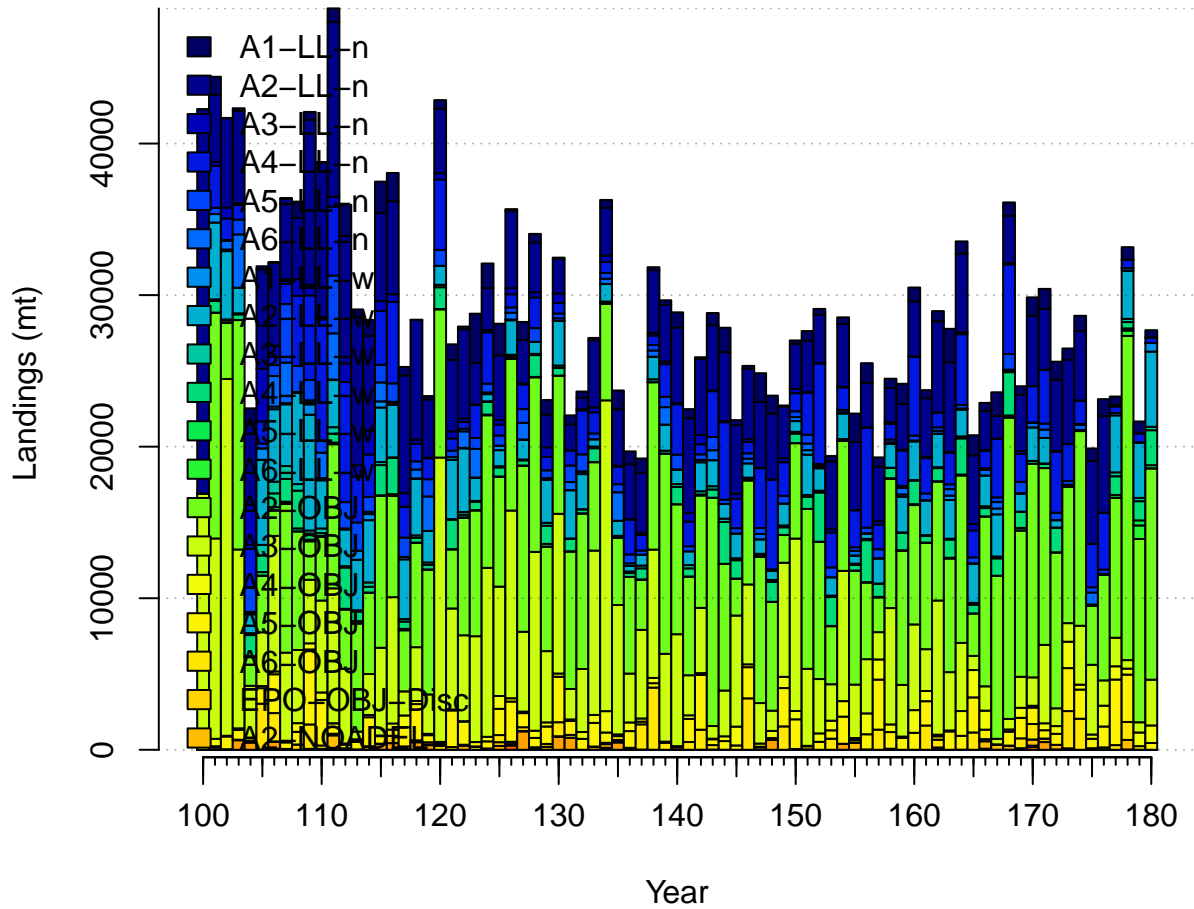


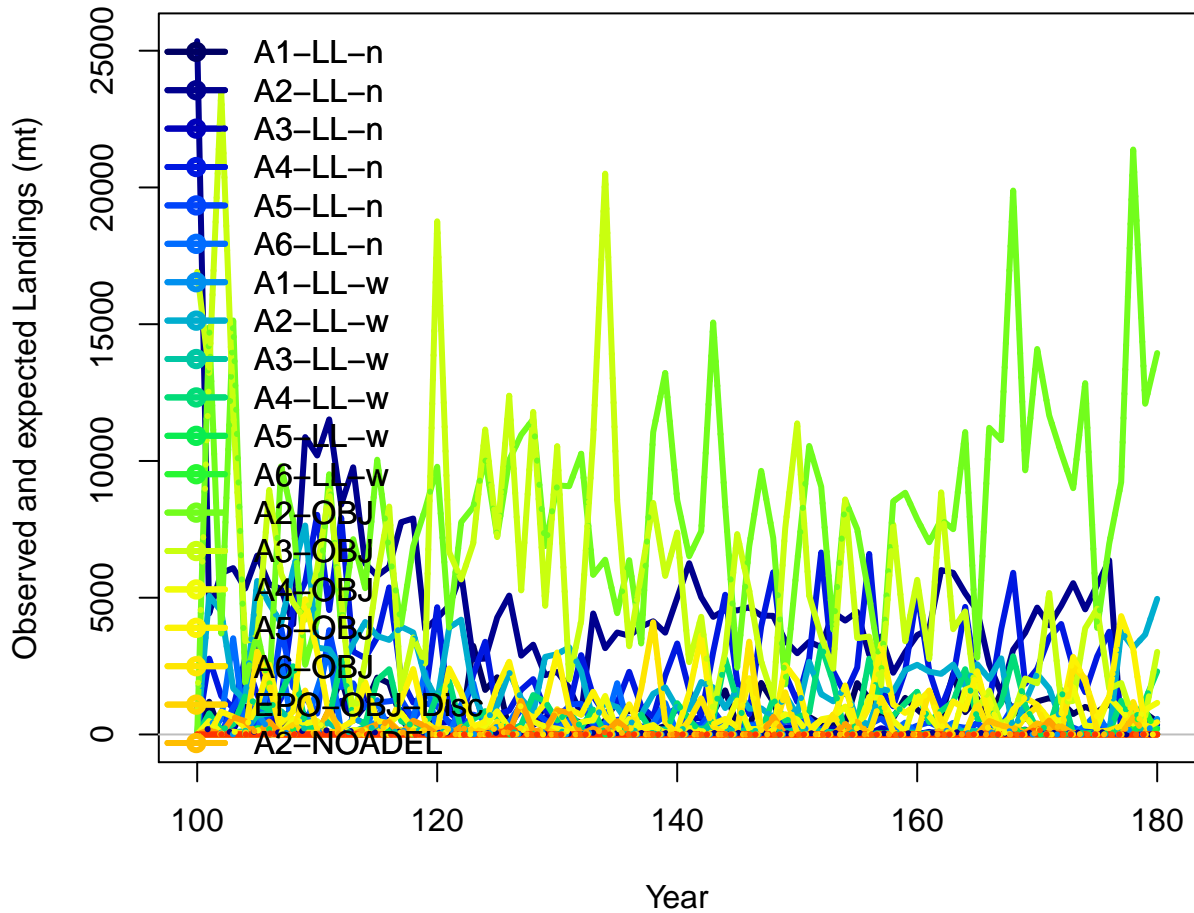






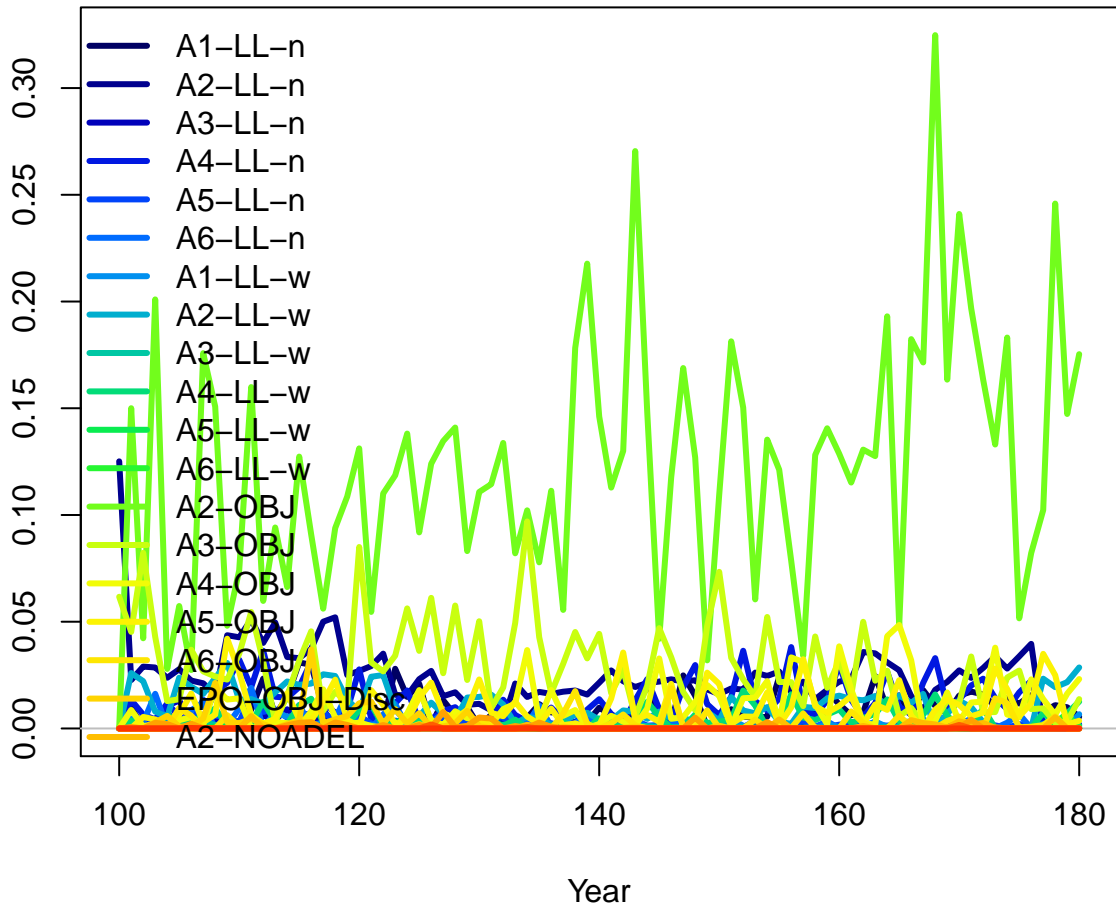




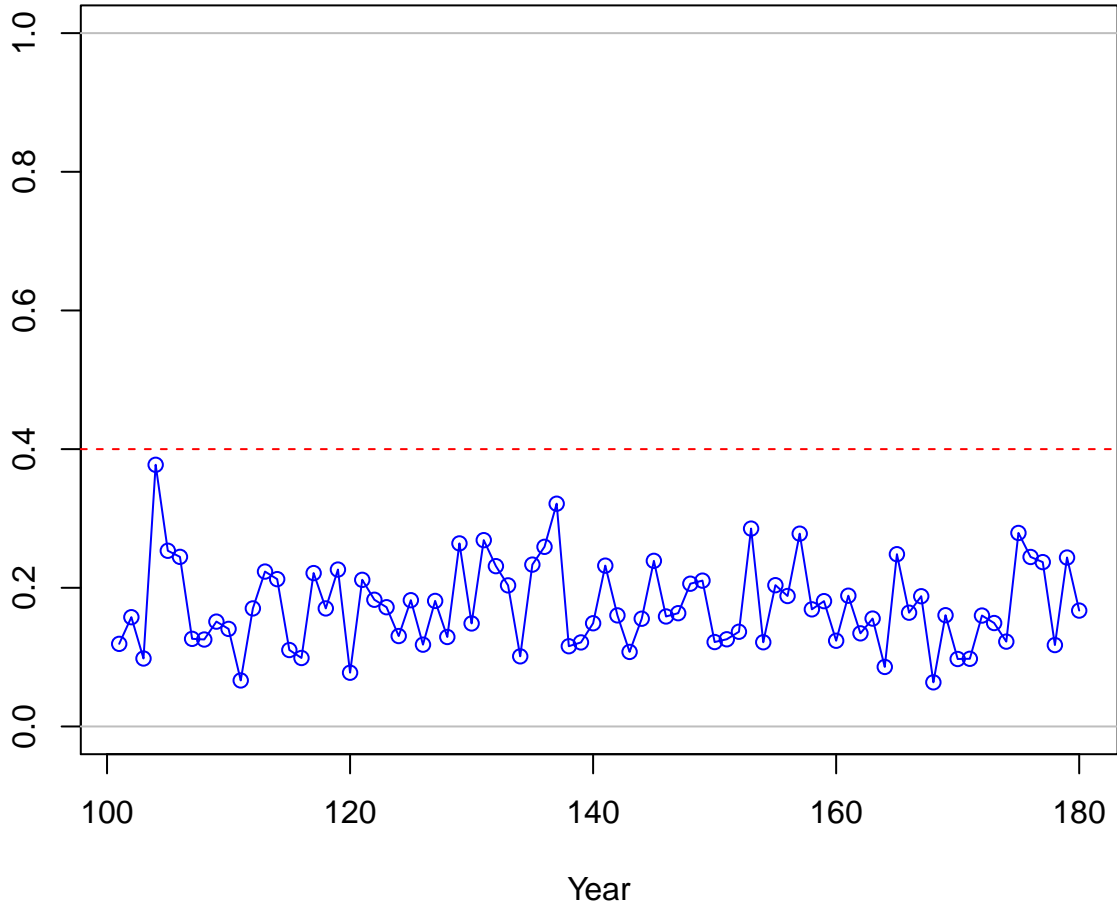




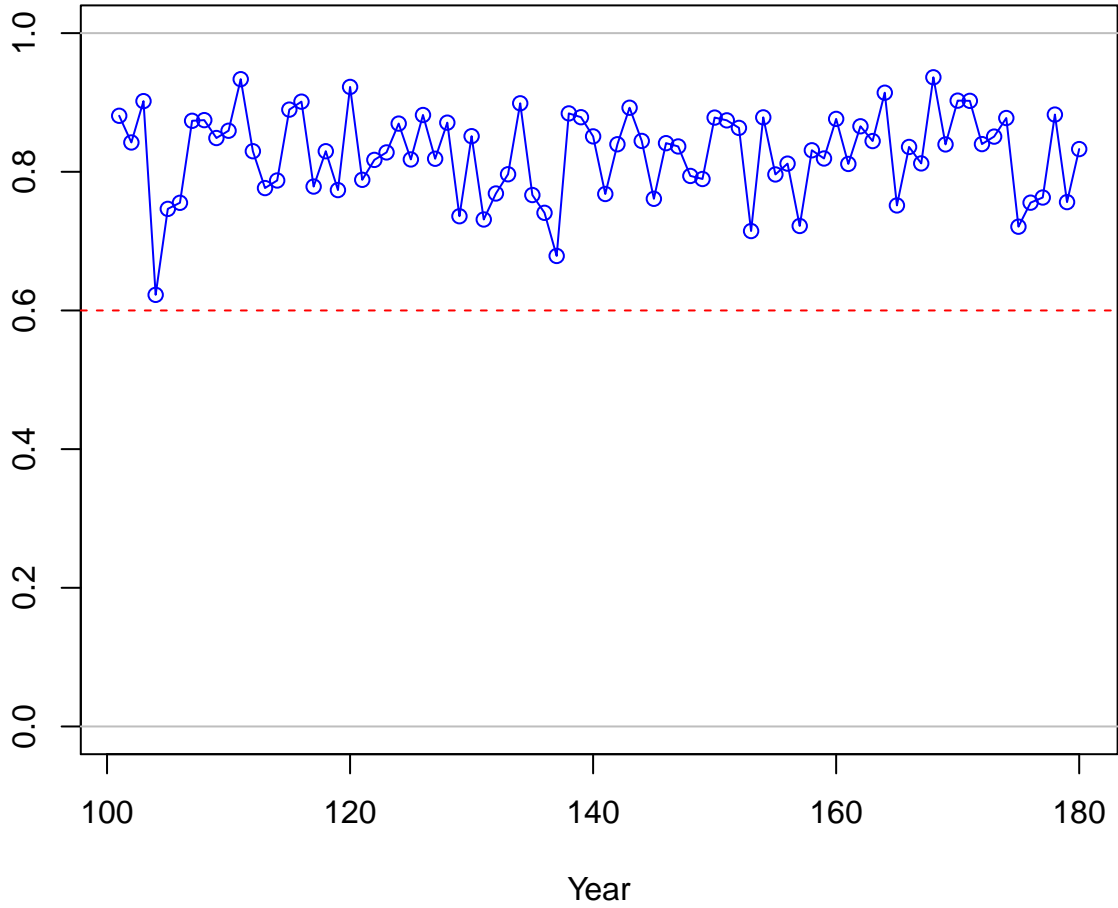
Continuous F

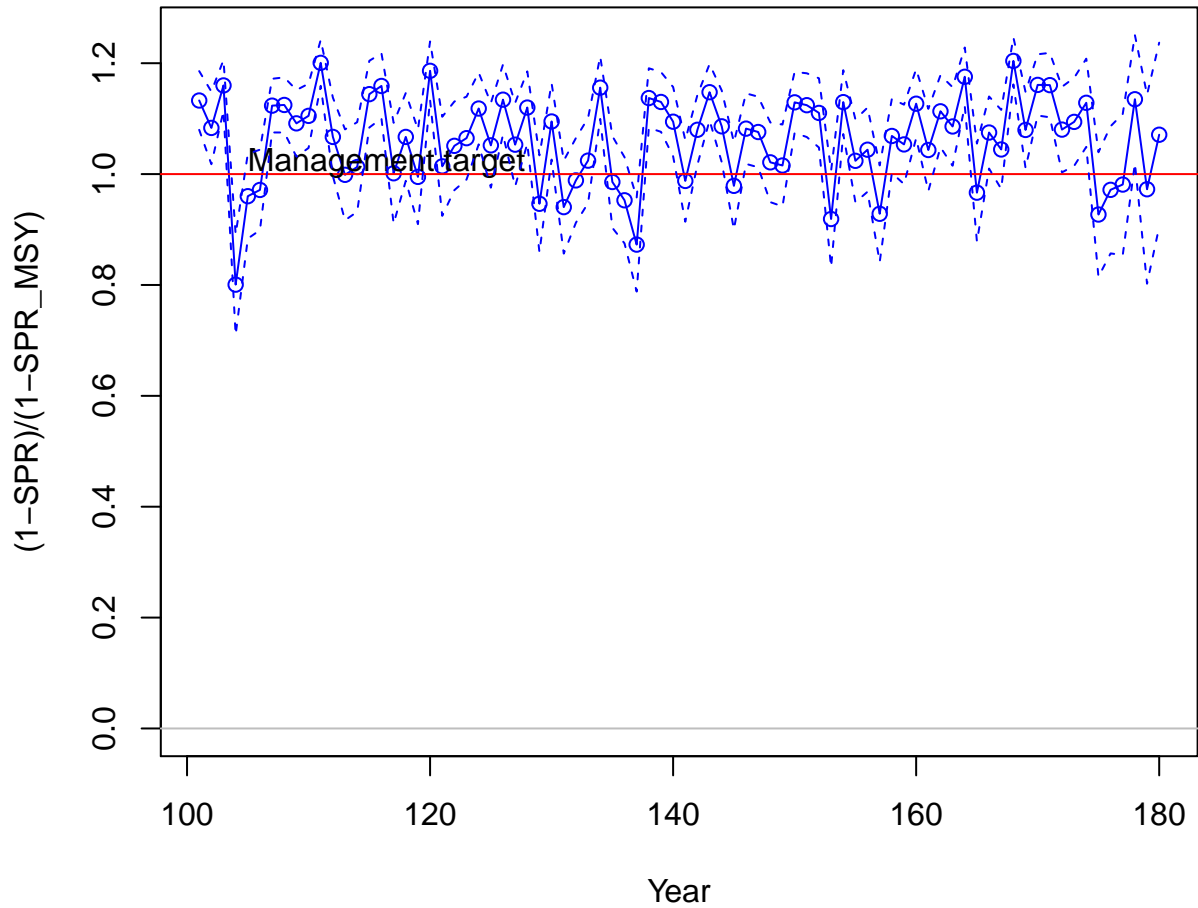


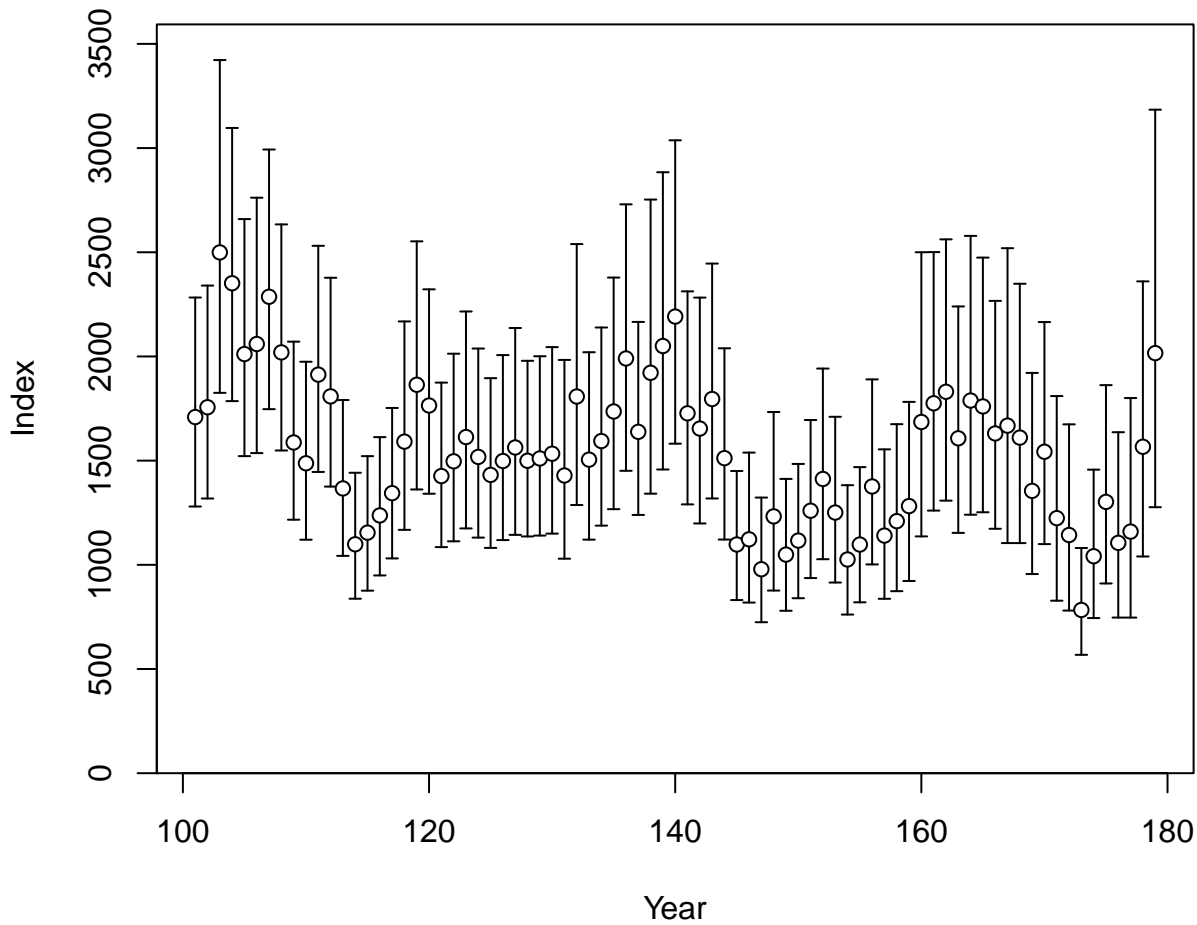
SPR

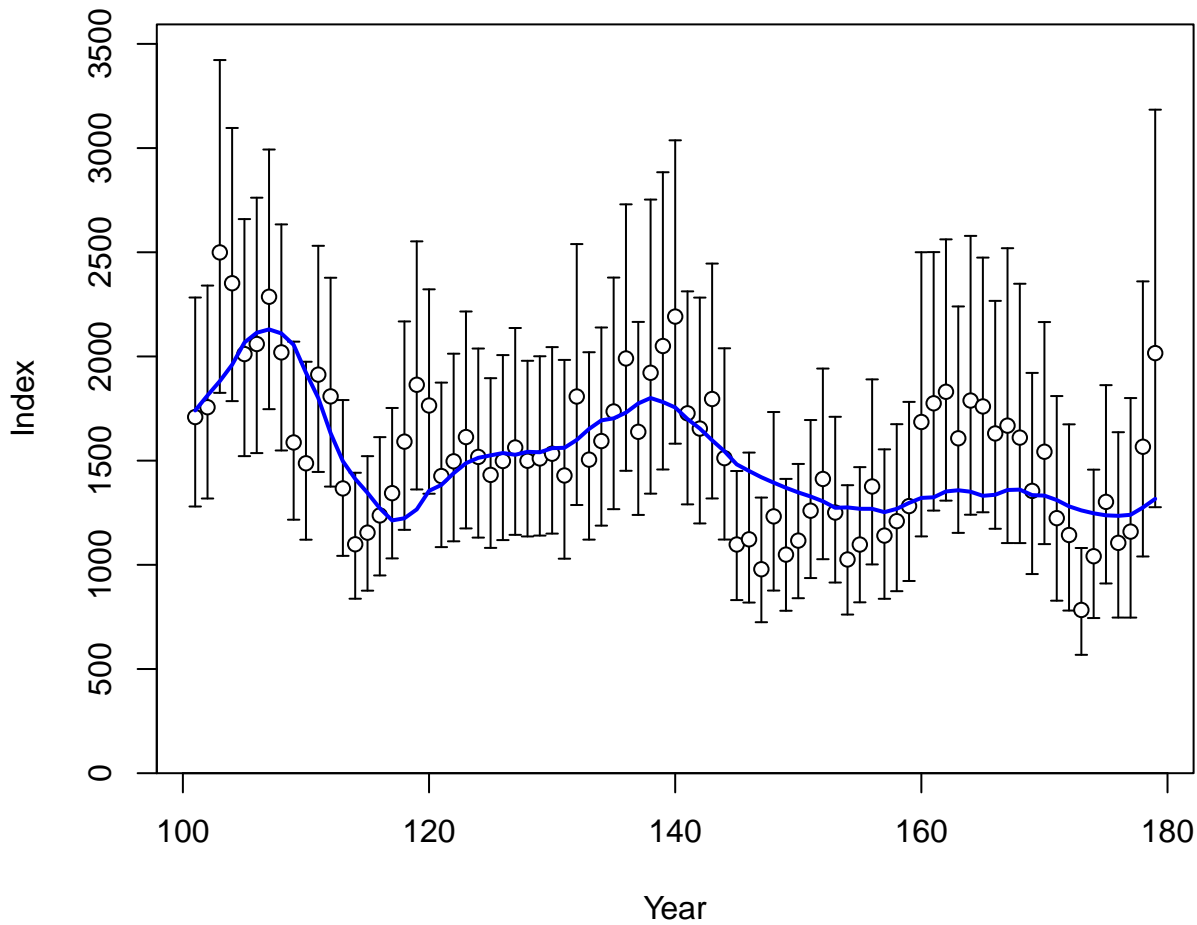


1-SPR

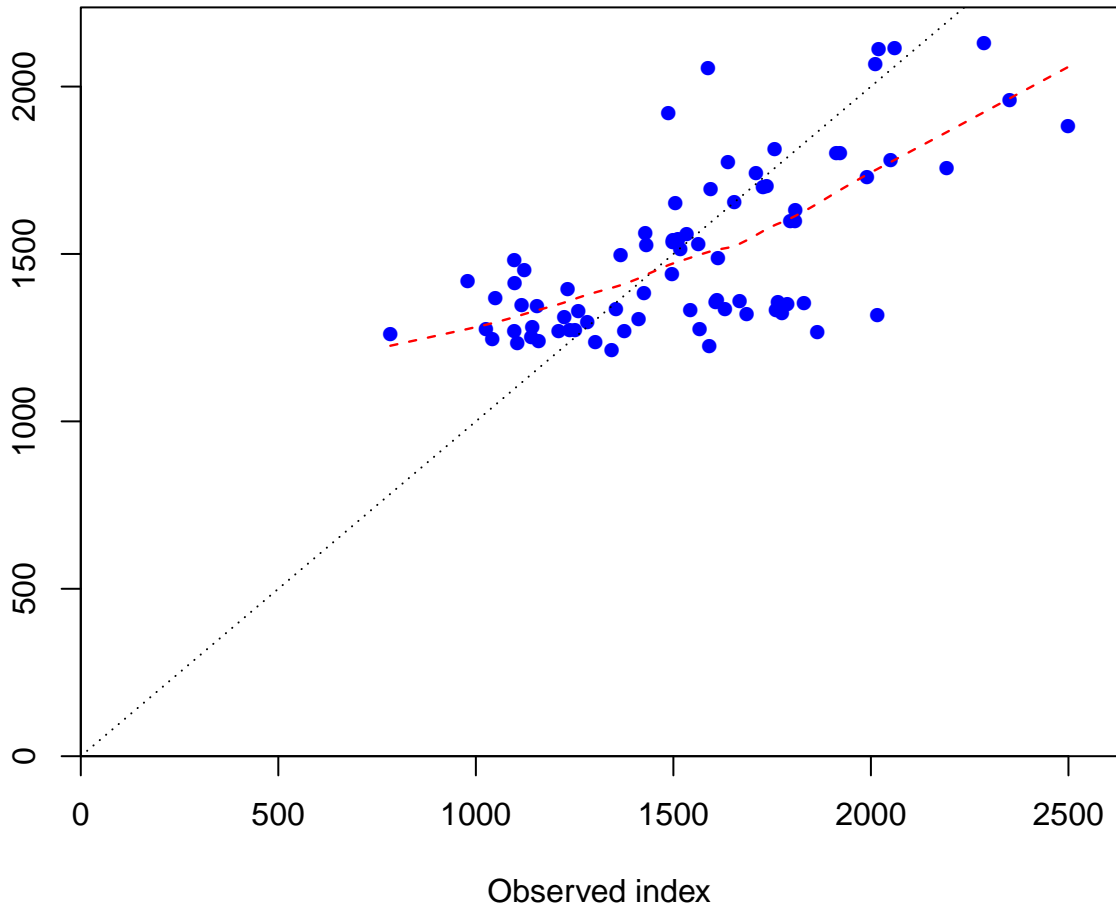








Expected index



Log index

8.0  
7.5  
7.0  
6.5

100

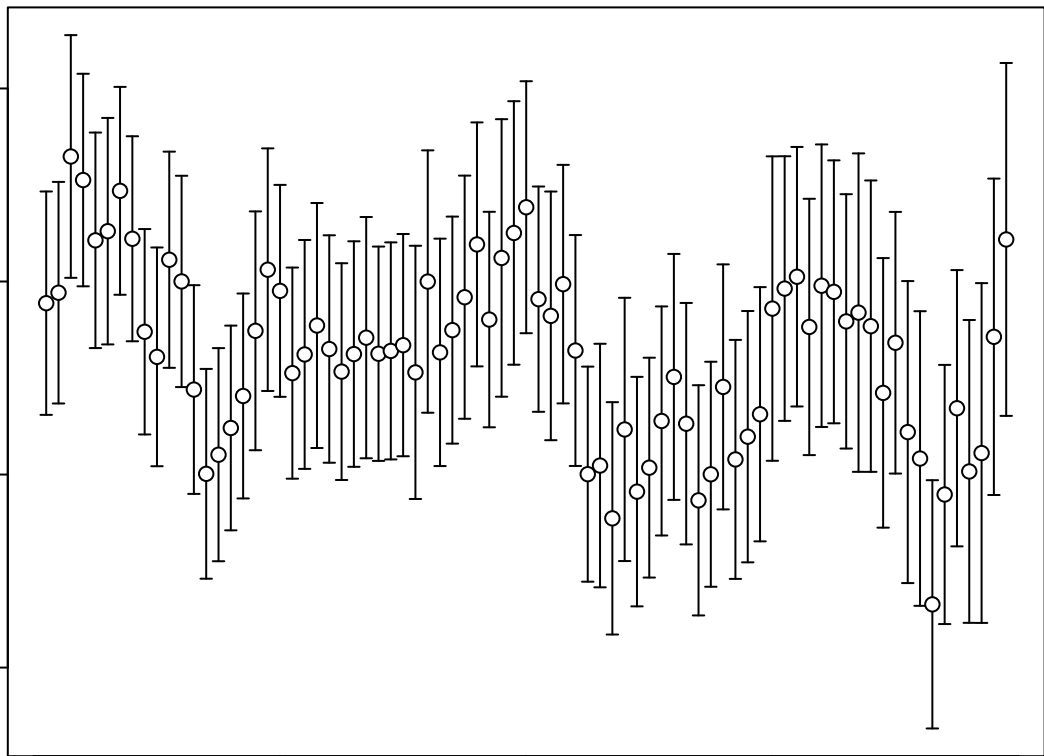
120

140

160

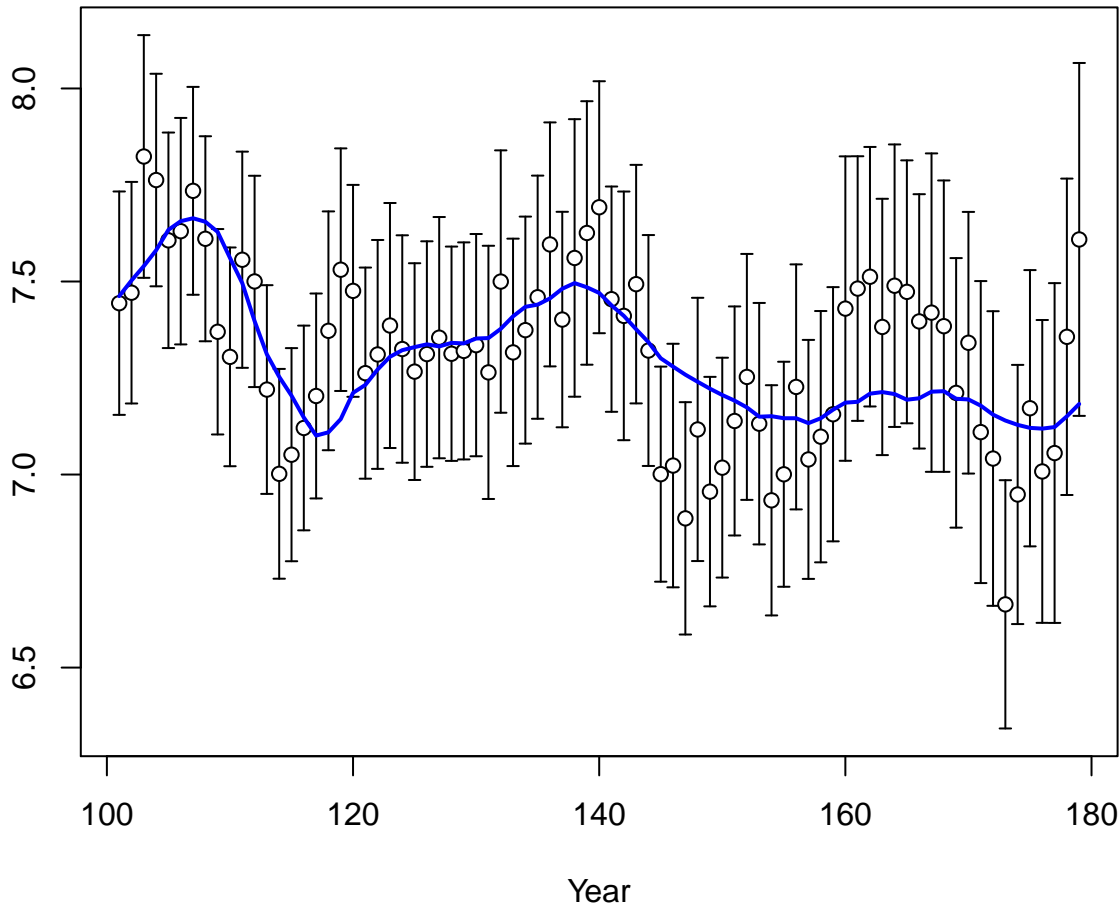
180

Year

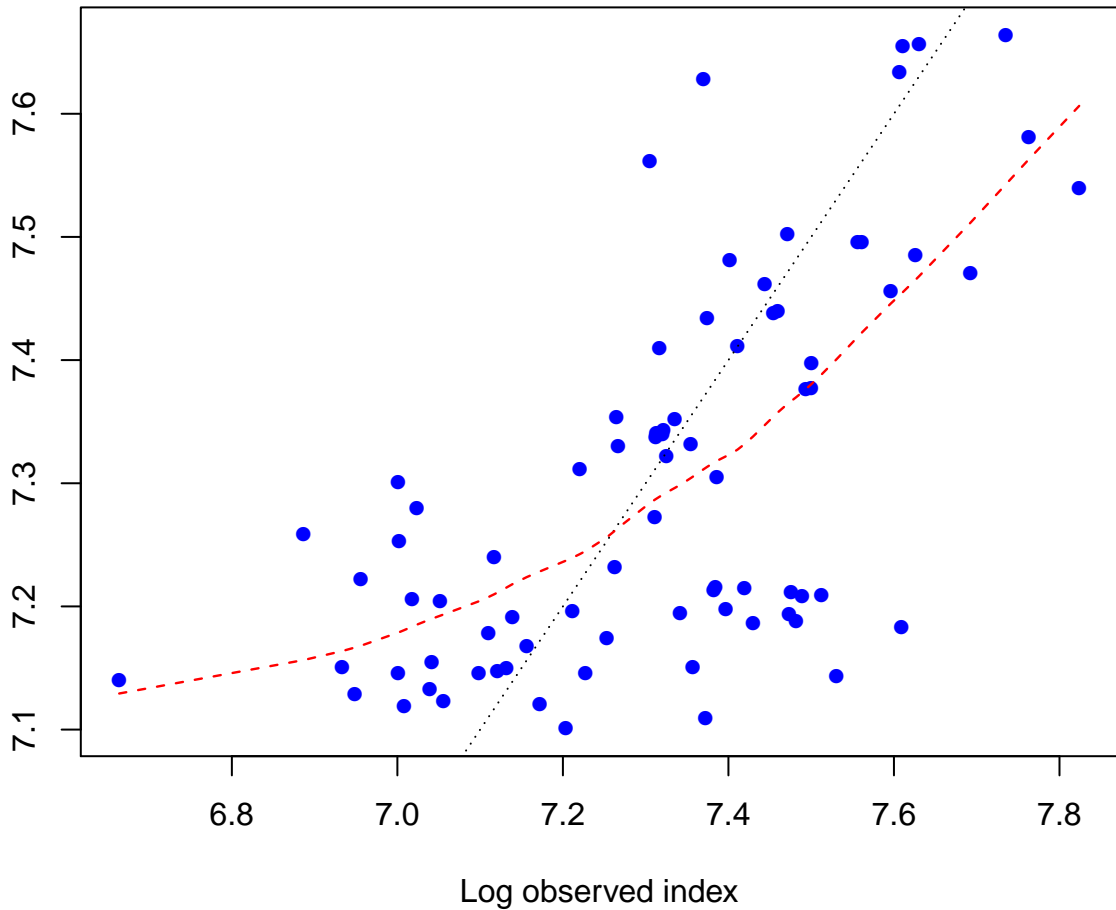




Log index

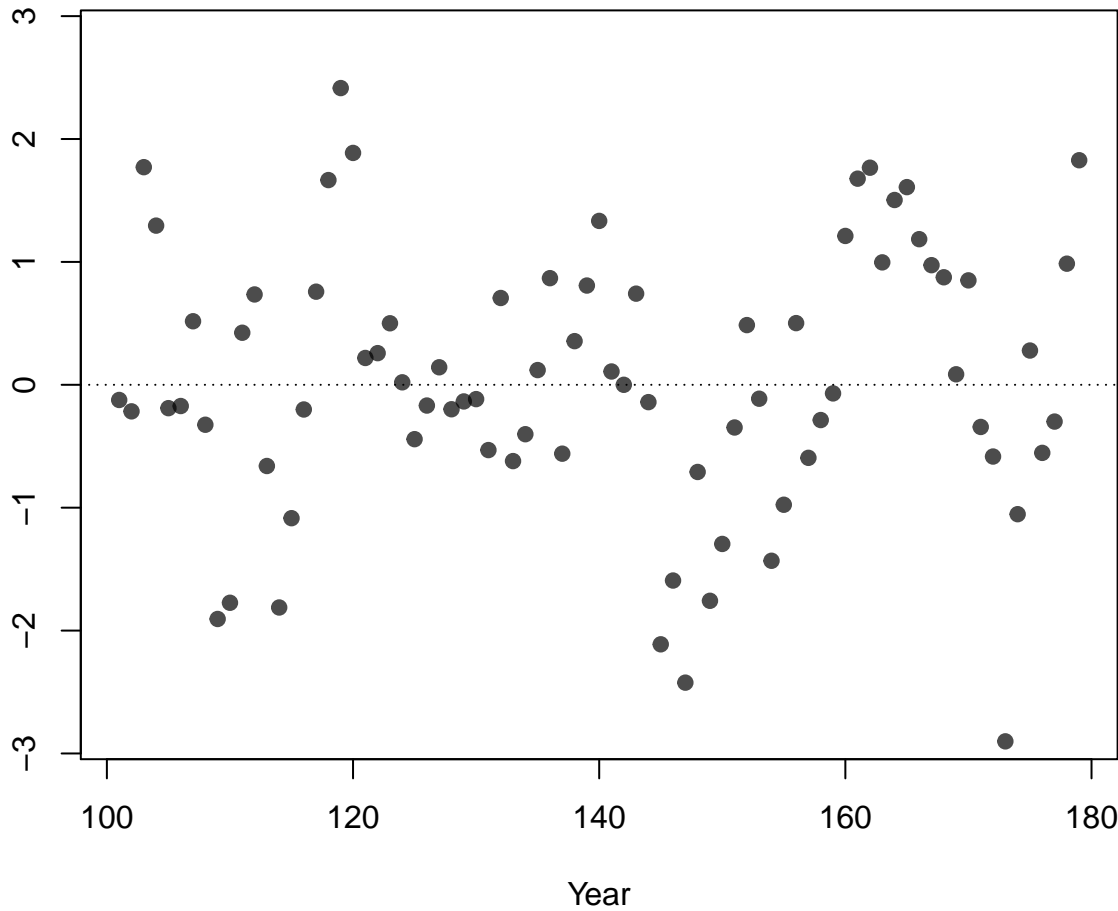


Log expected index

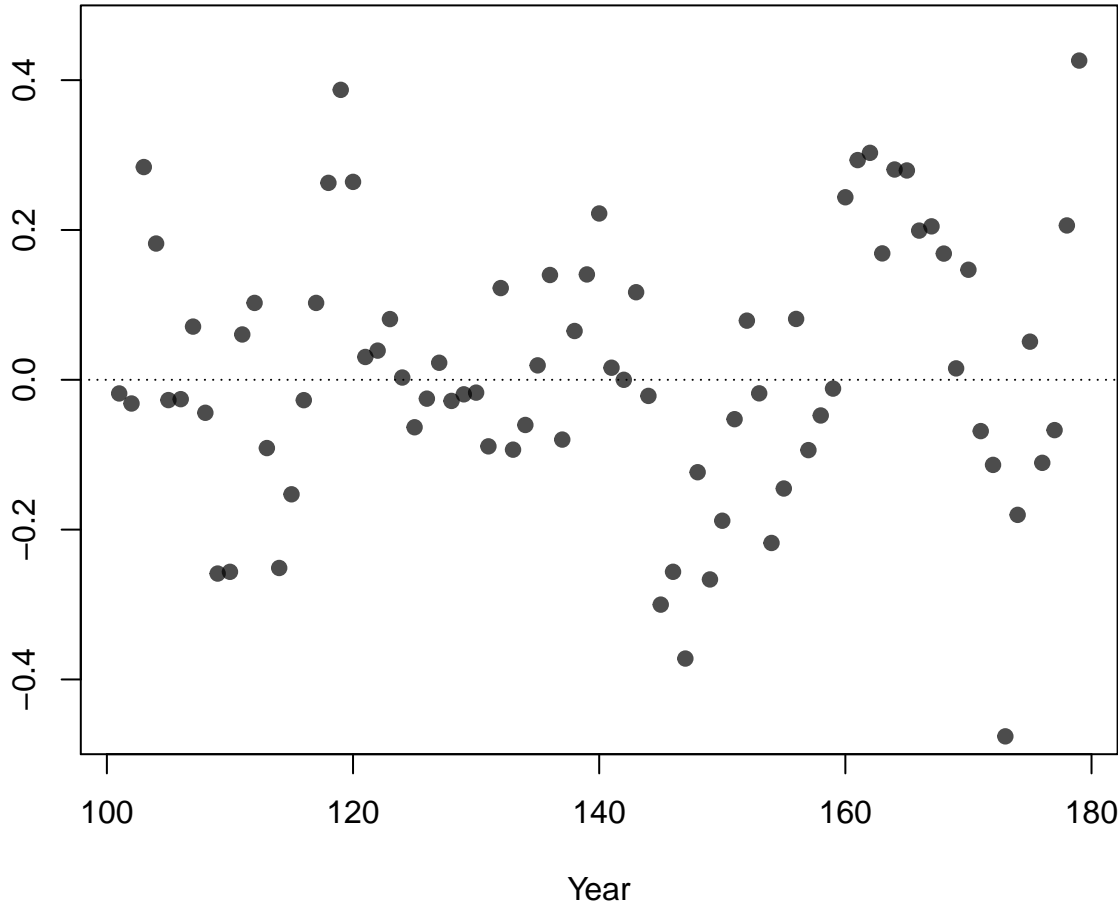


Log observed index

Residual



Deviation

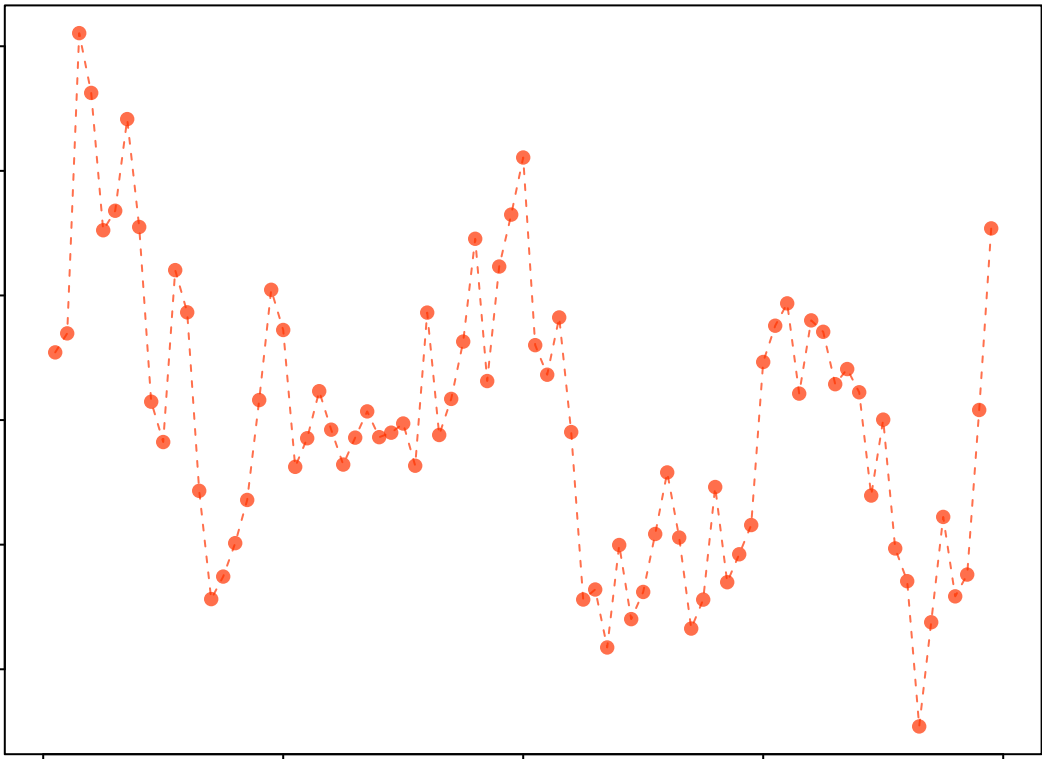


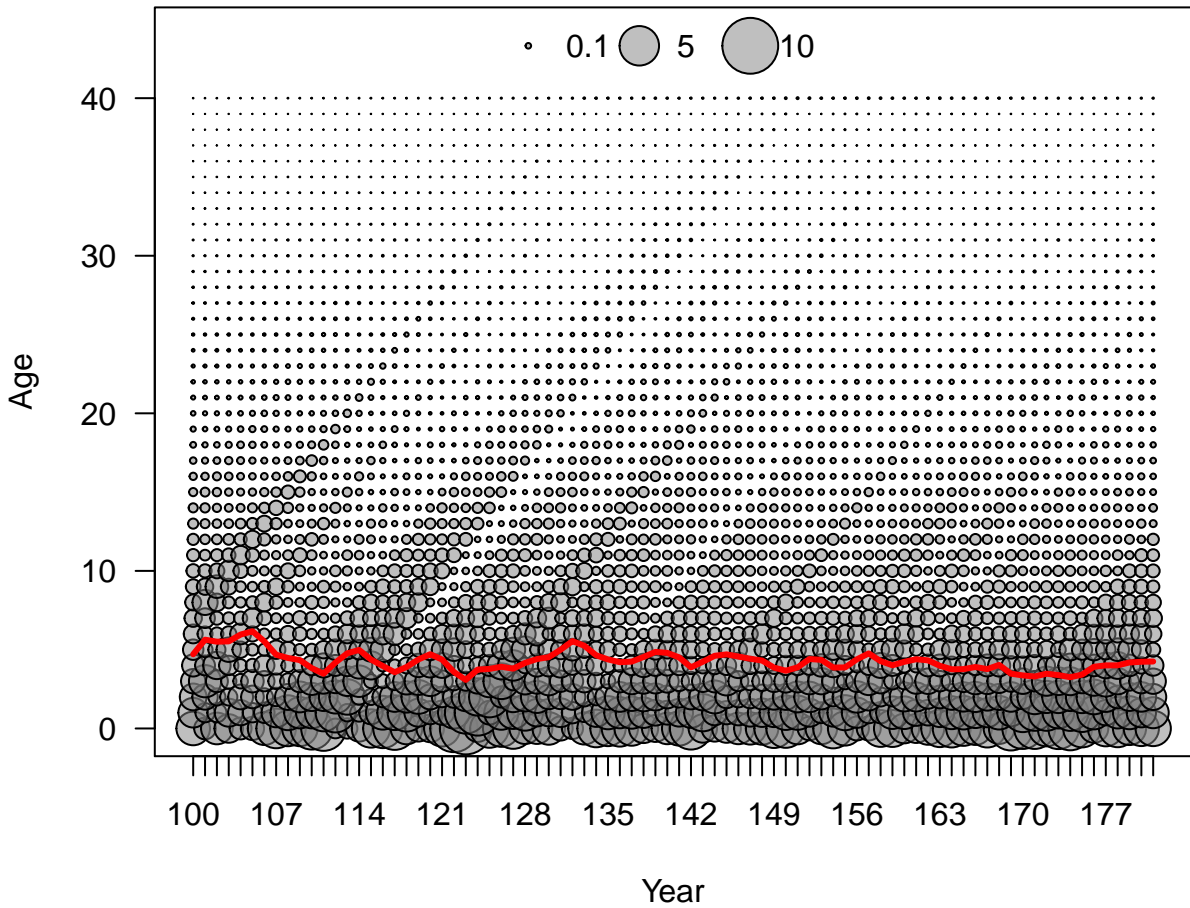
Standardized index

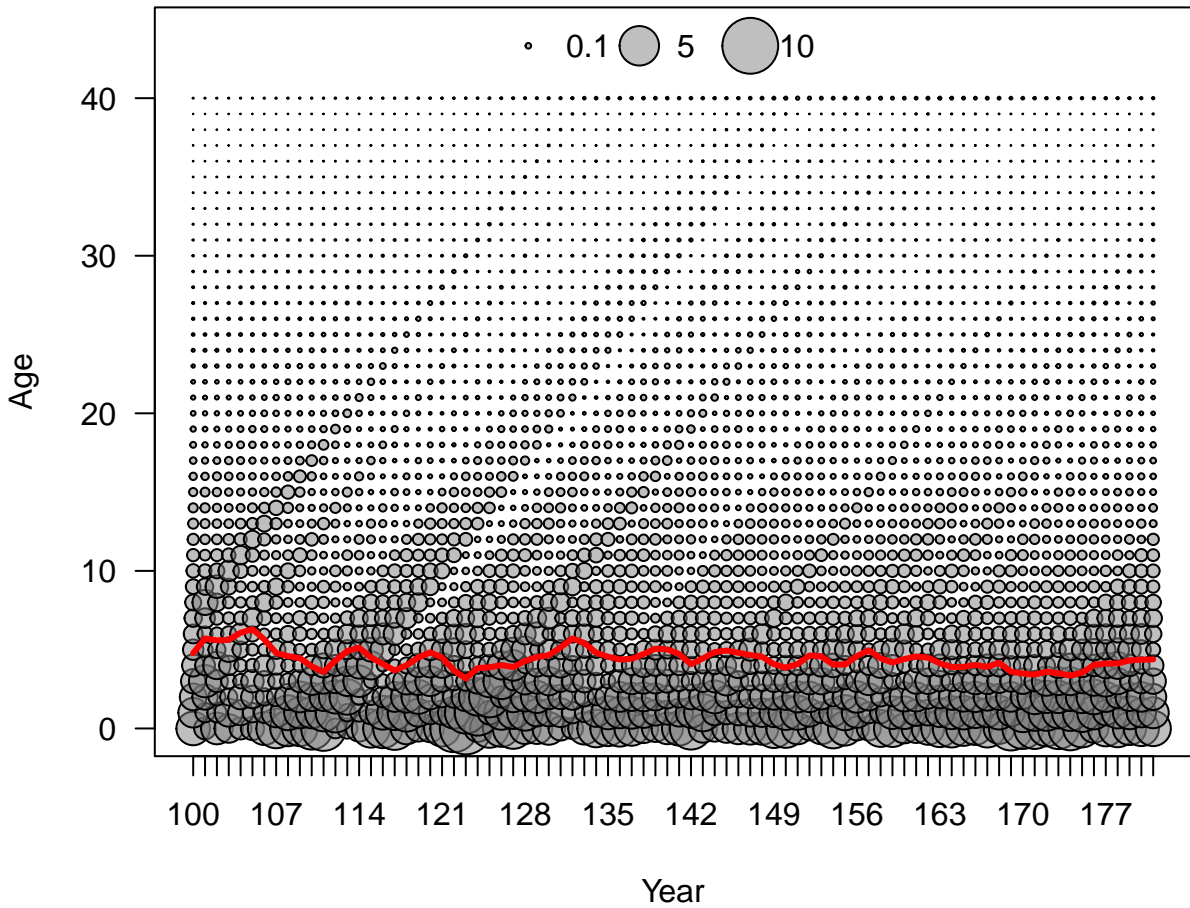
1.6  
1.4  
1.2  
1.0  
0.8  
0.6

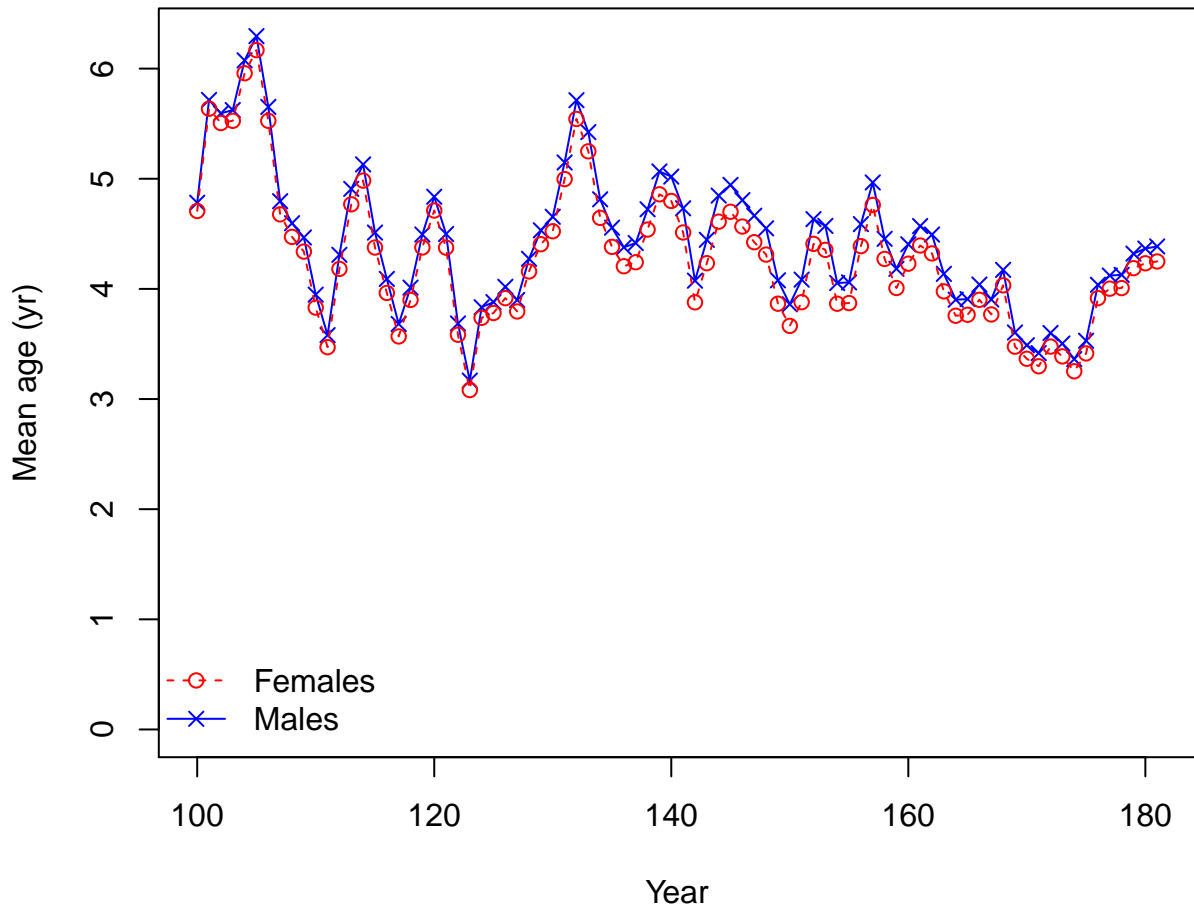
100 120 140 160 180

Year











Age

◦ 0.1   ◉ 5   ◉ 10

40

30

20

10

0

100

107

114

121

128

135

142

149

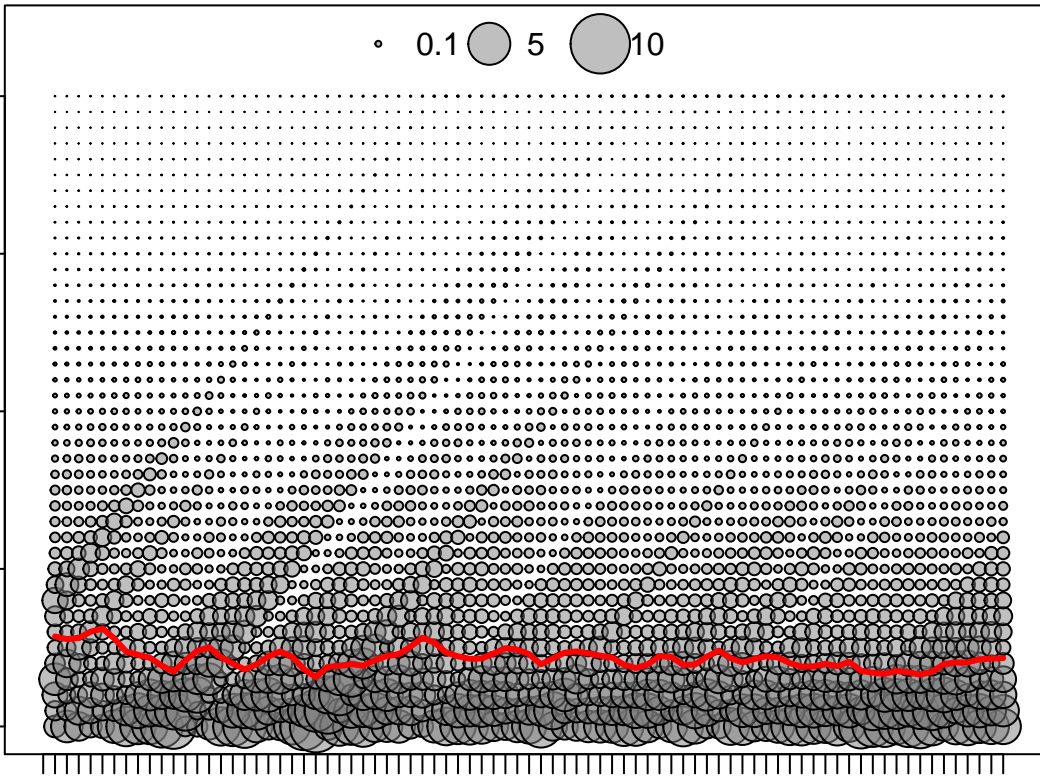
156

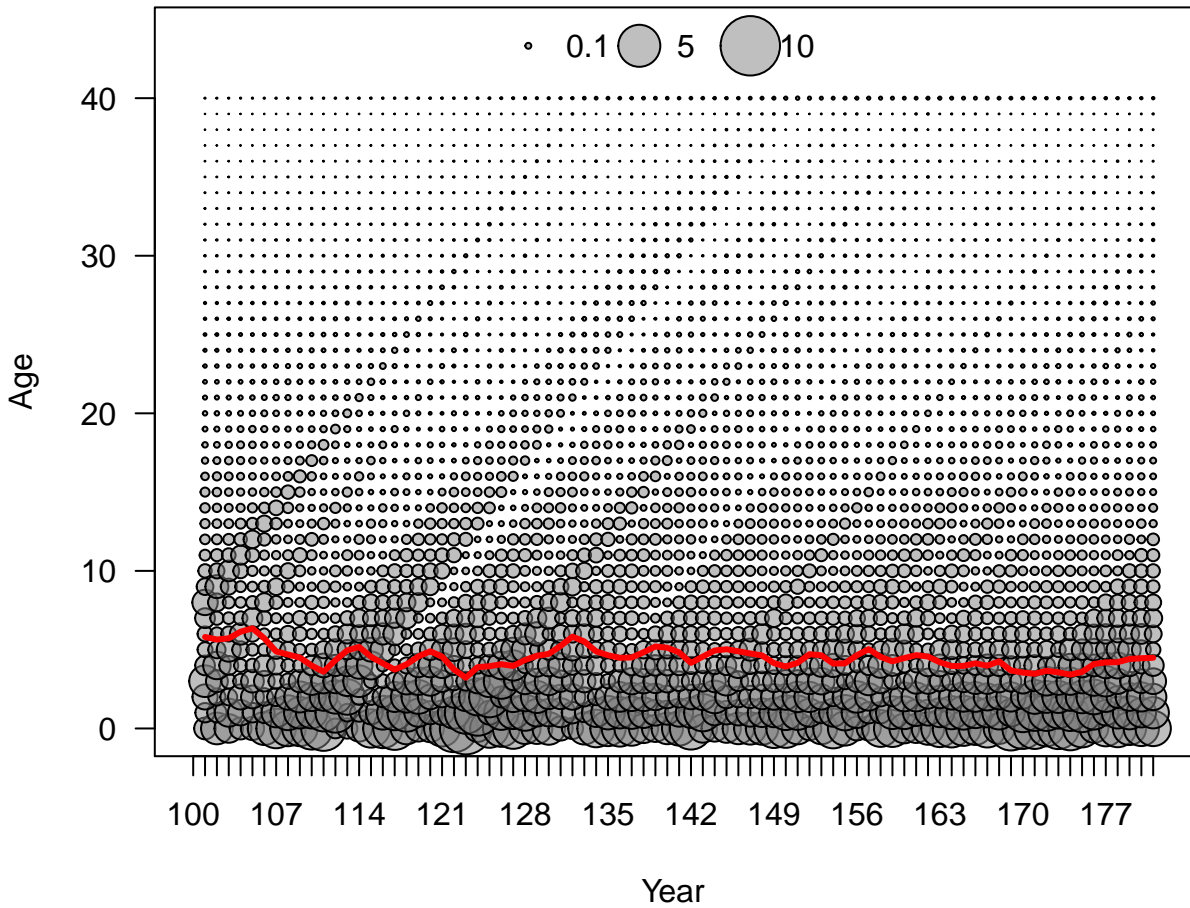
163

170

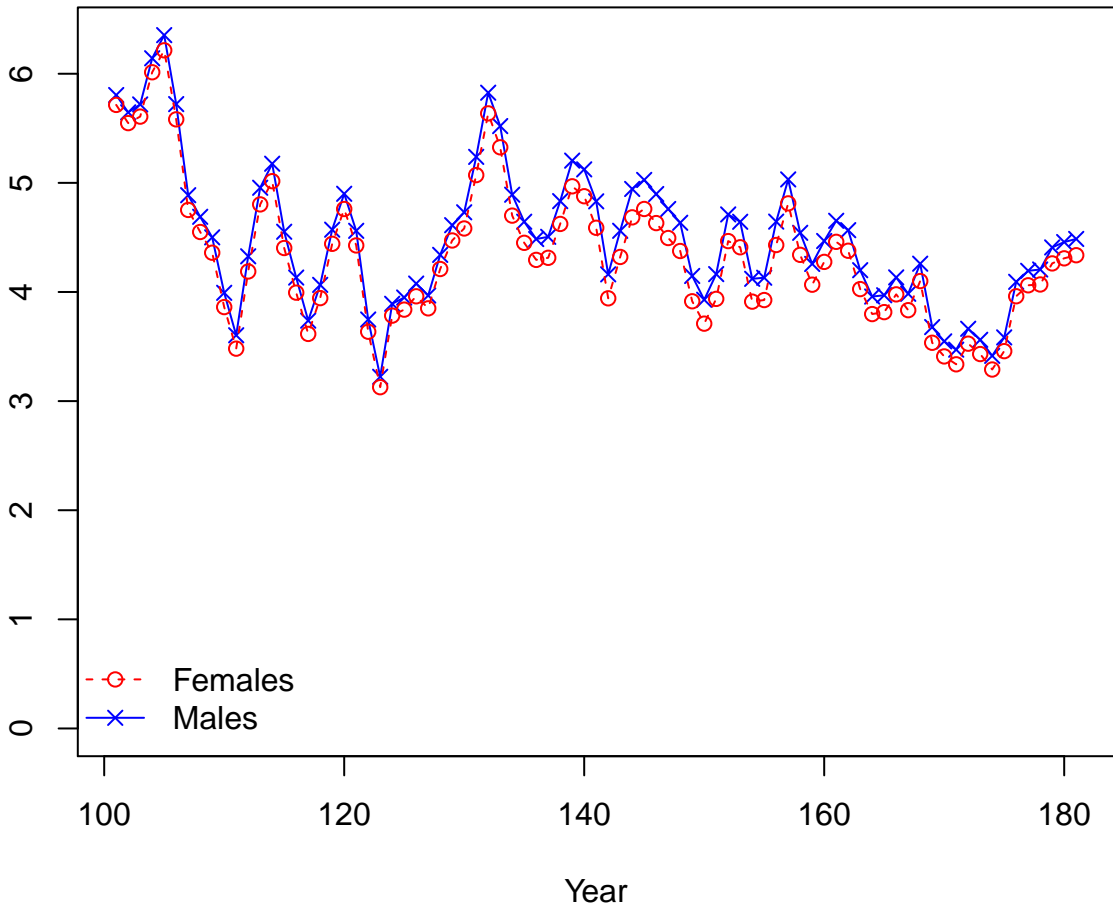
177

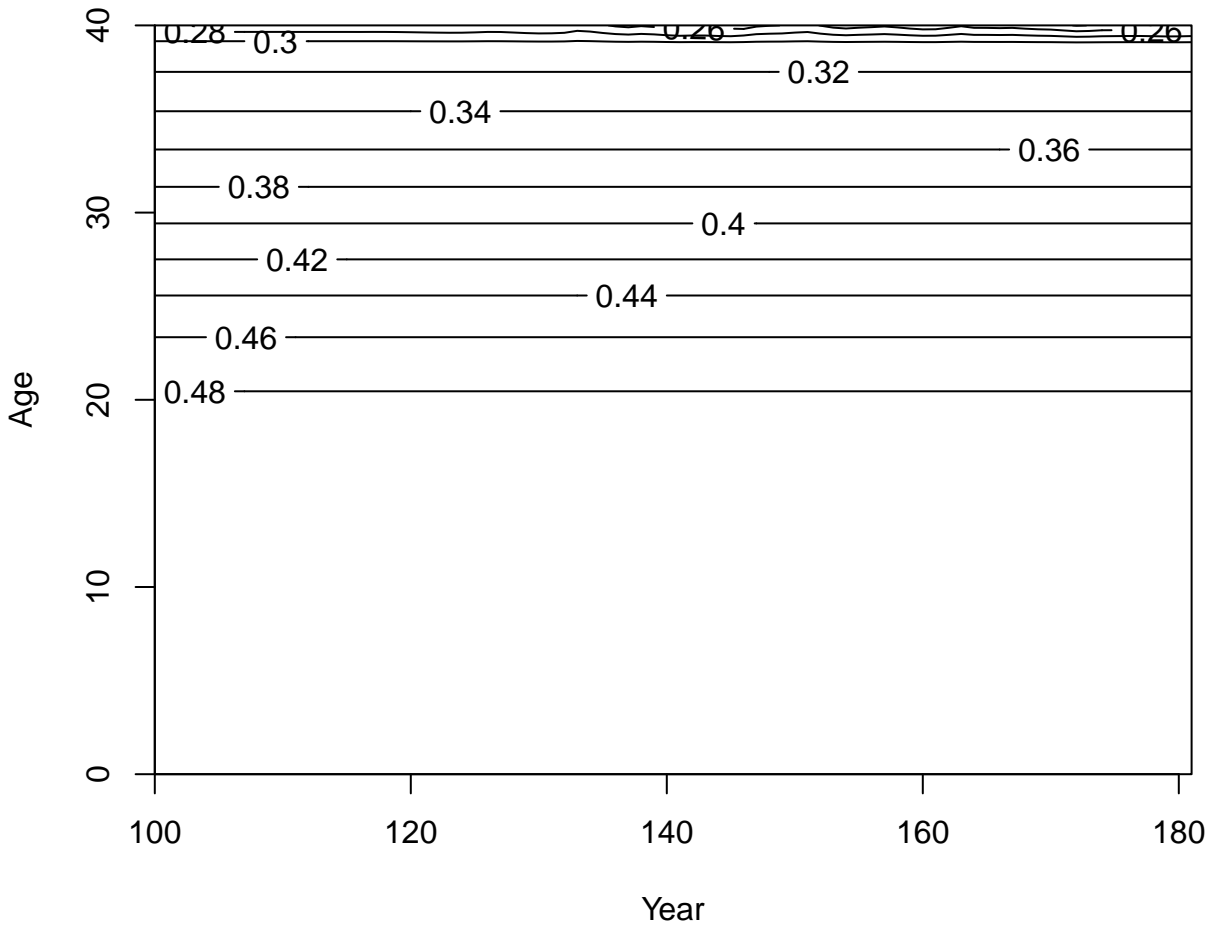
Year

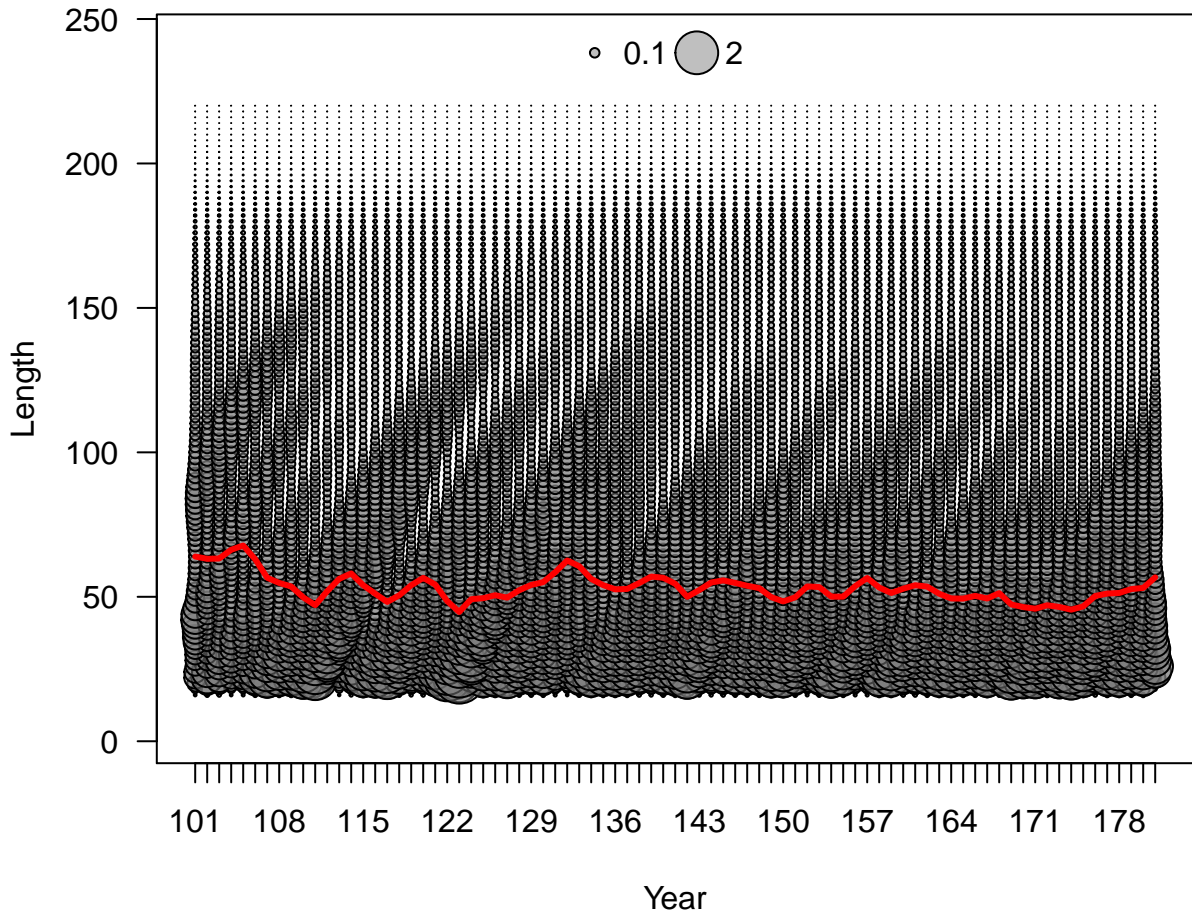


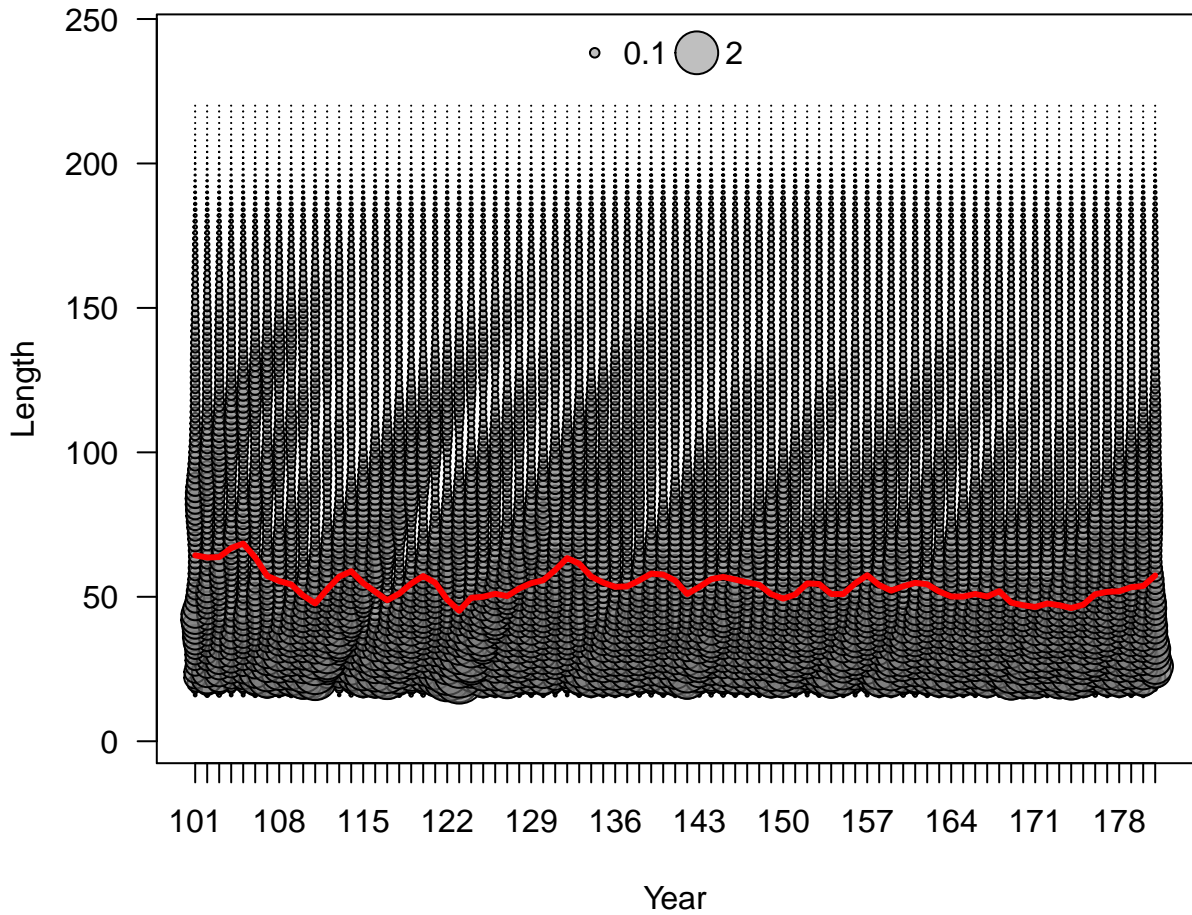


Mean age (yr)

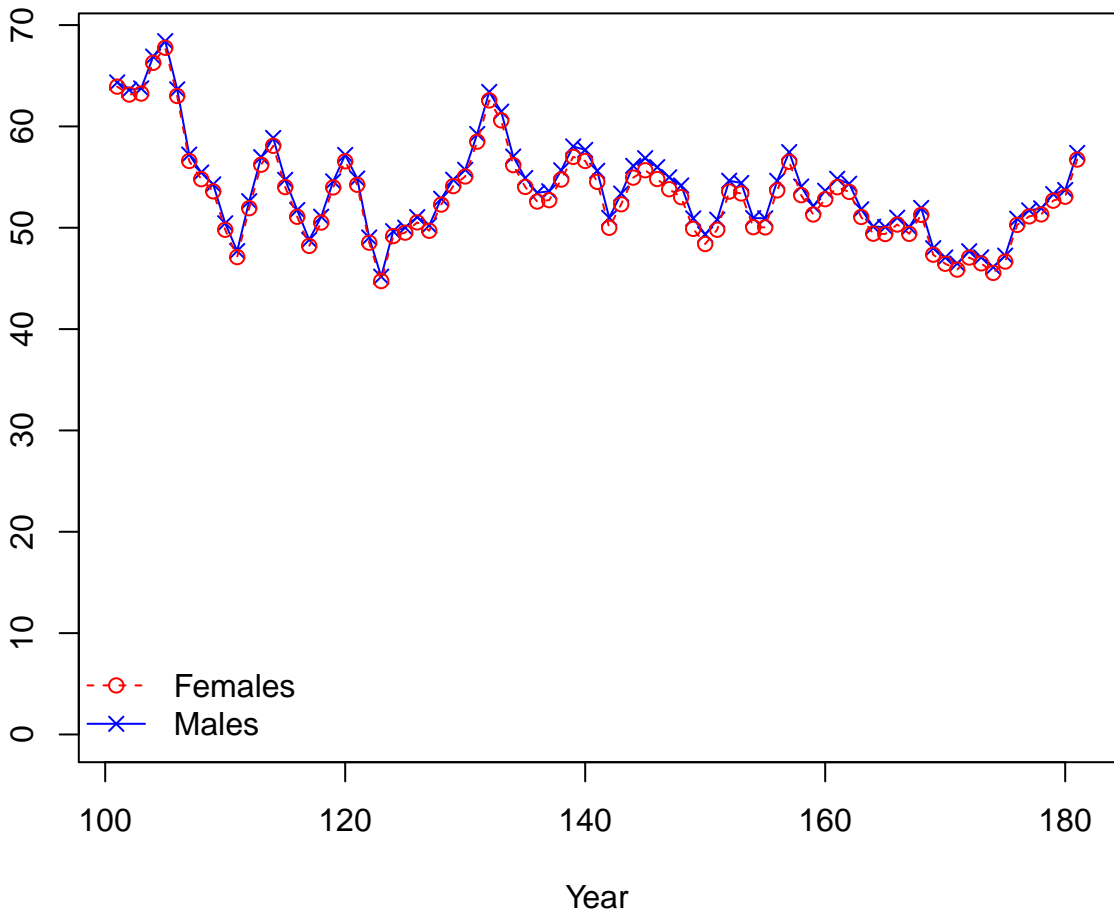


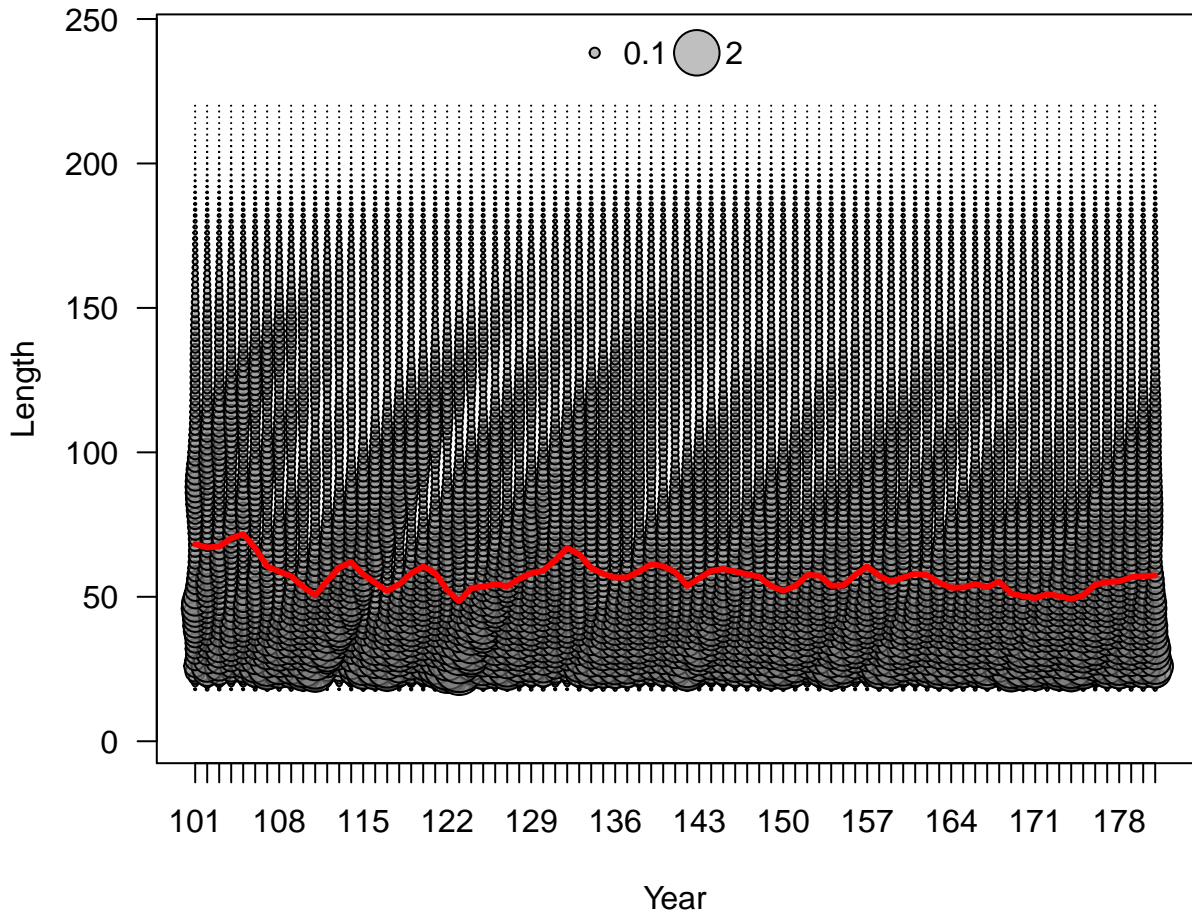




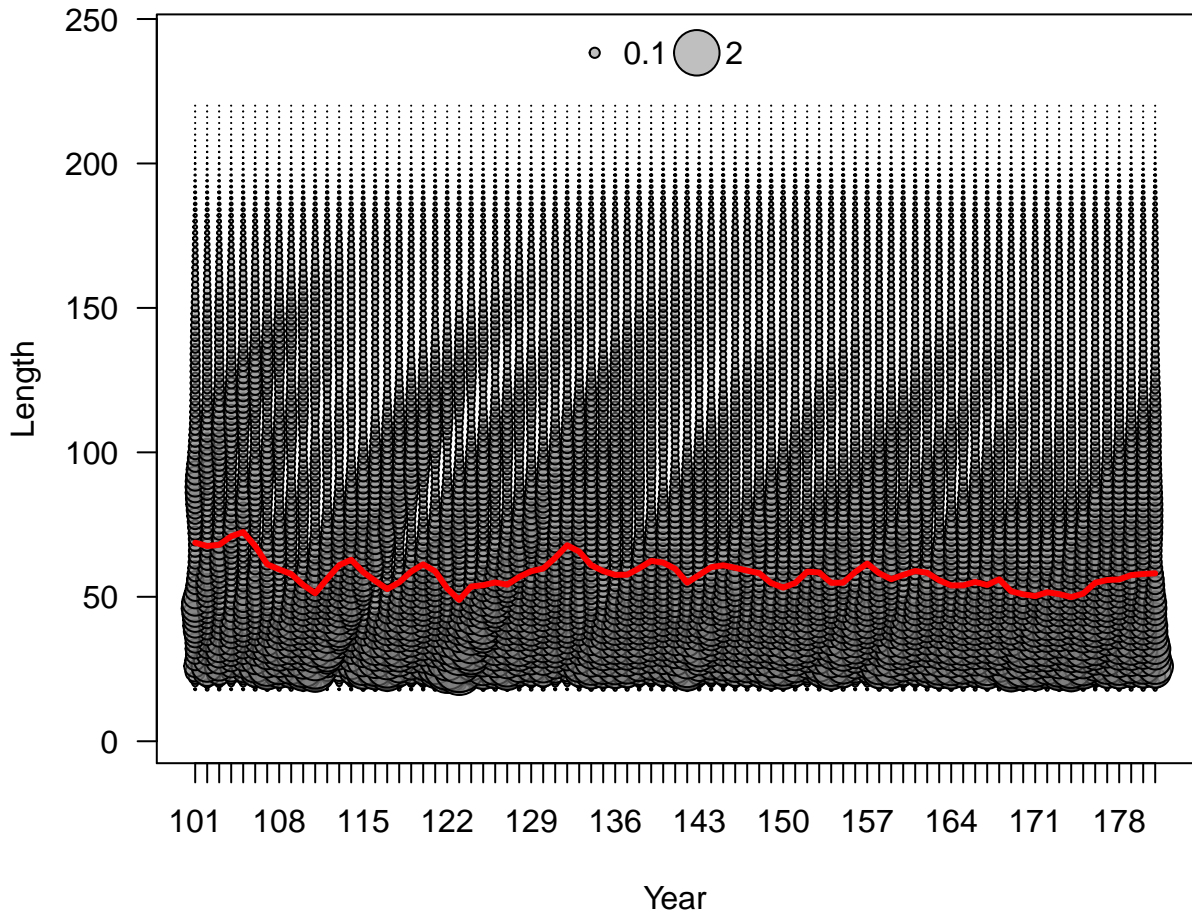


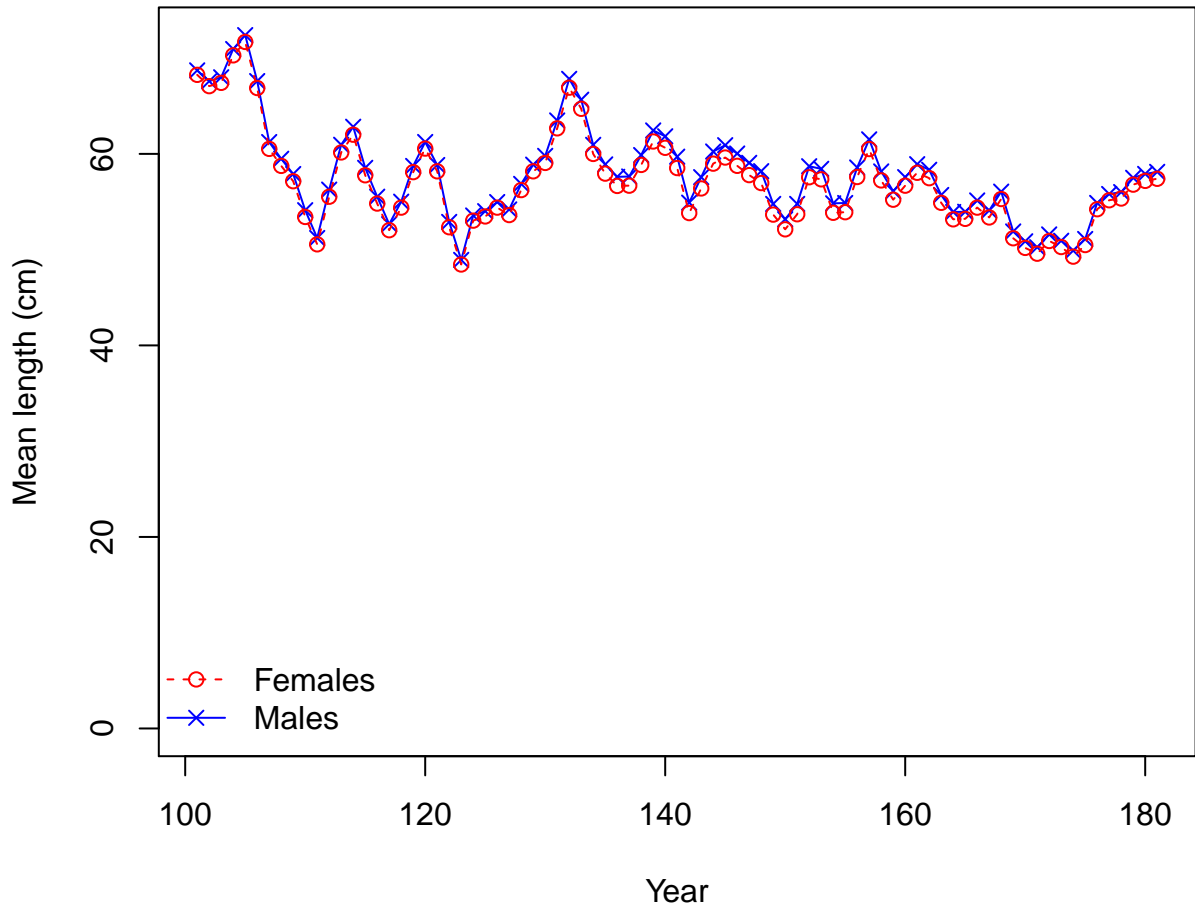
Mean length (cm)



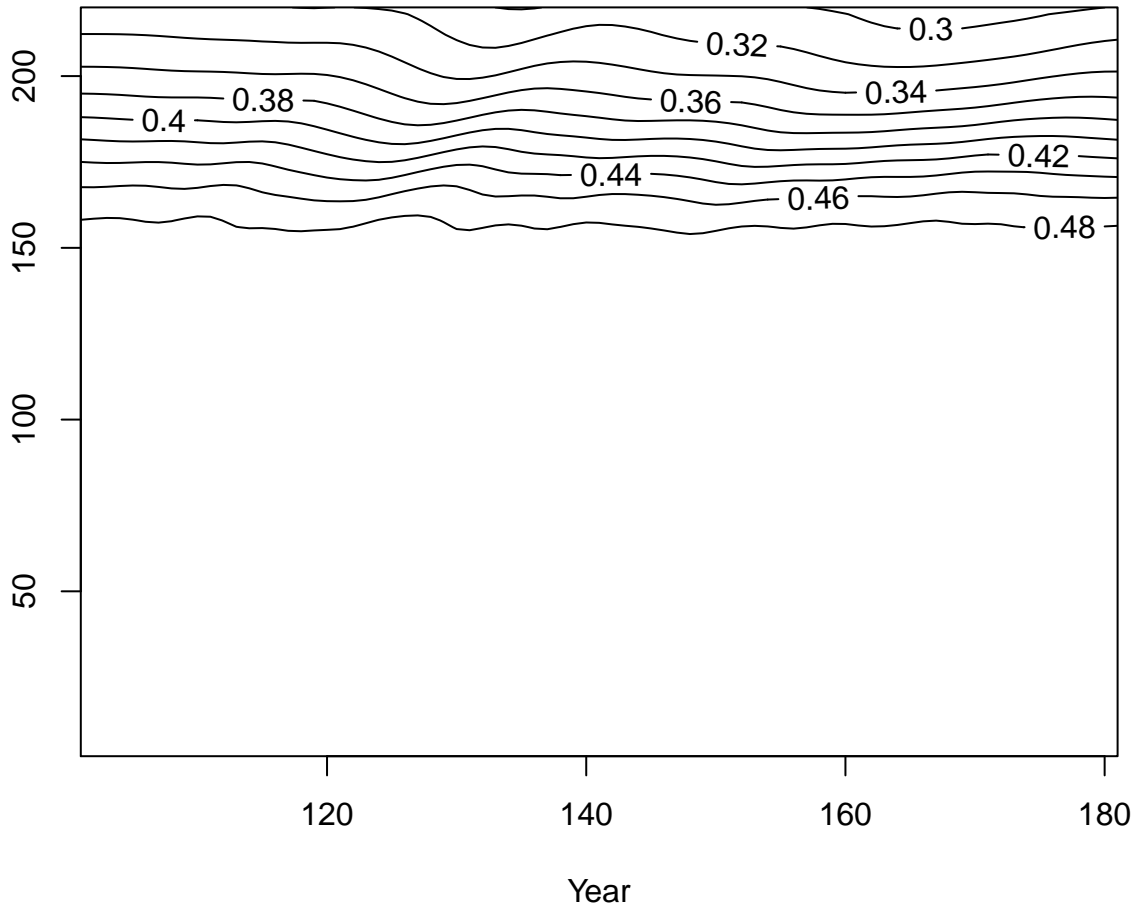


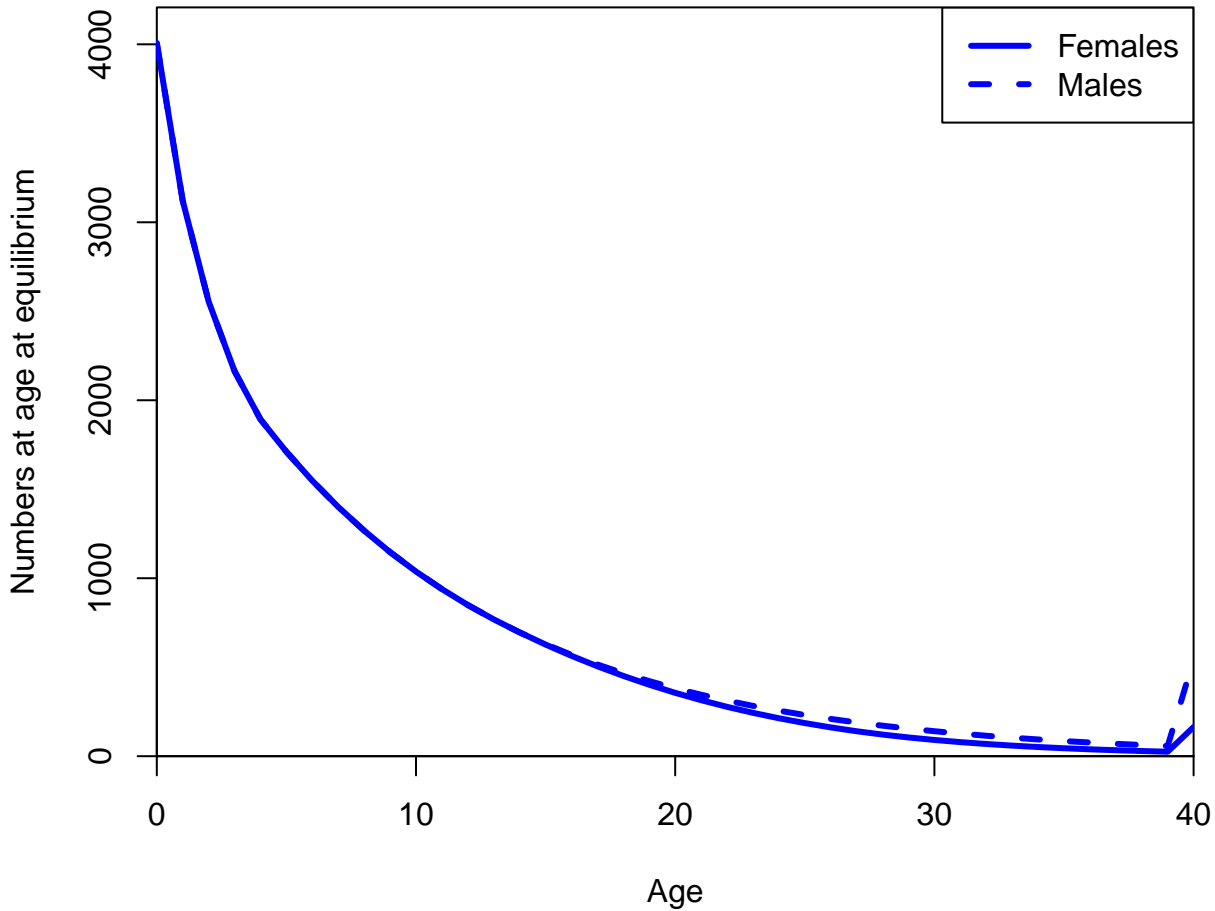


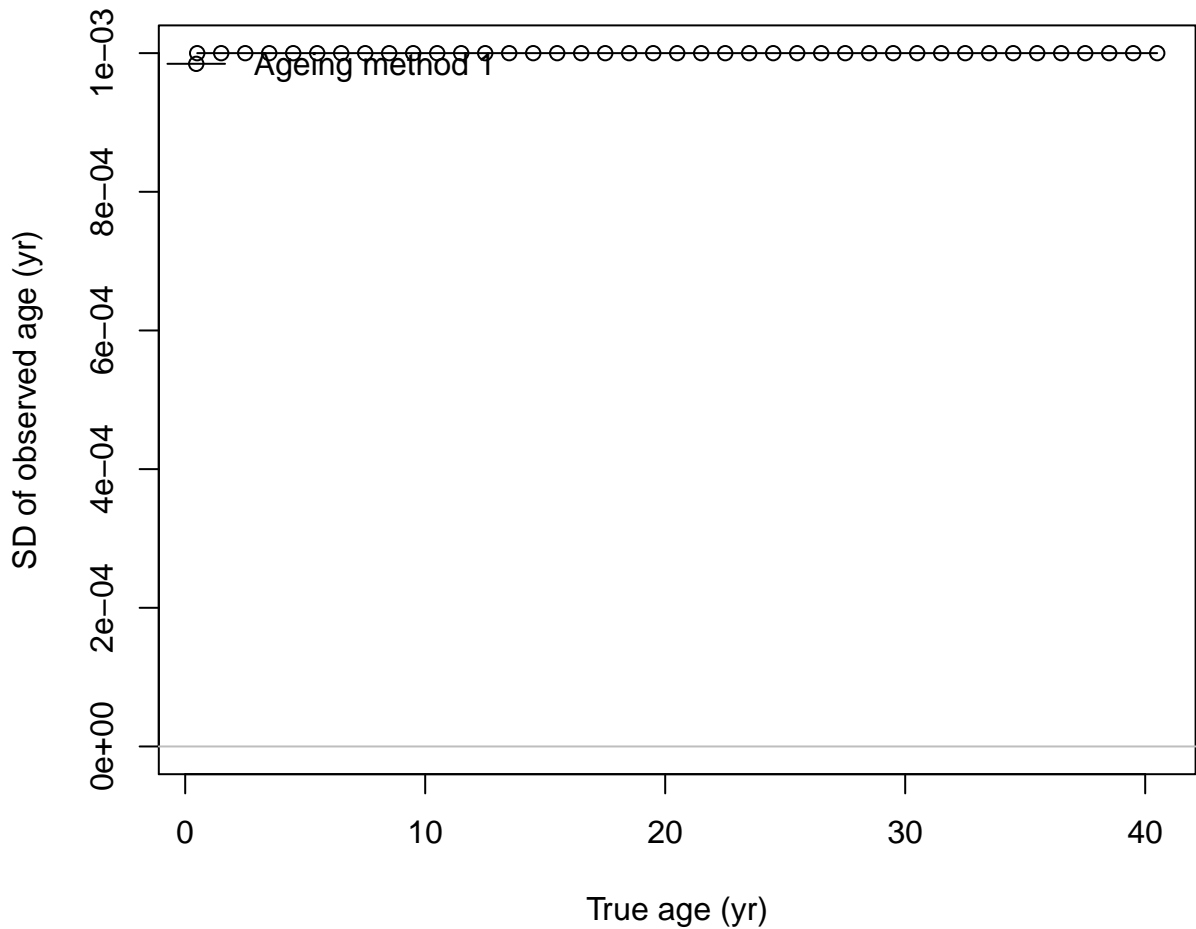




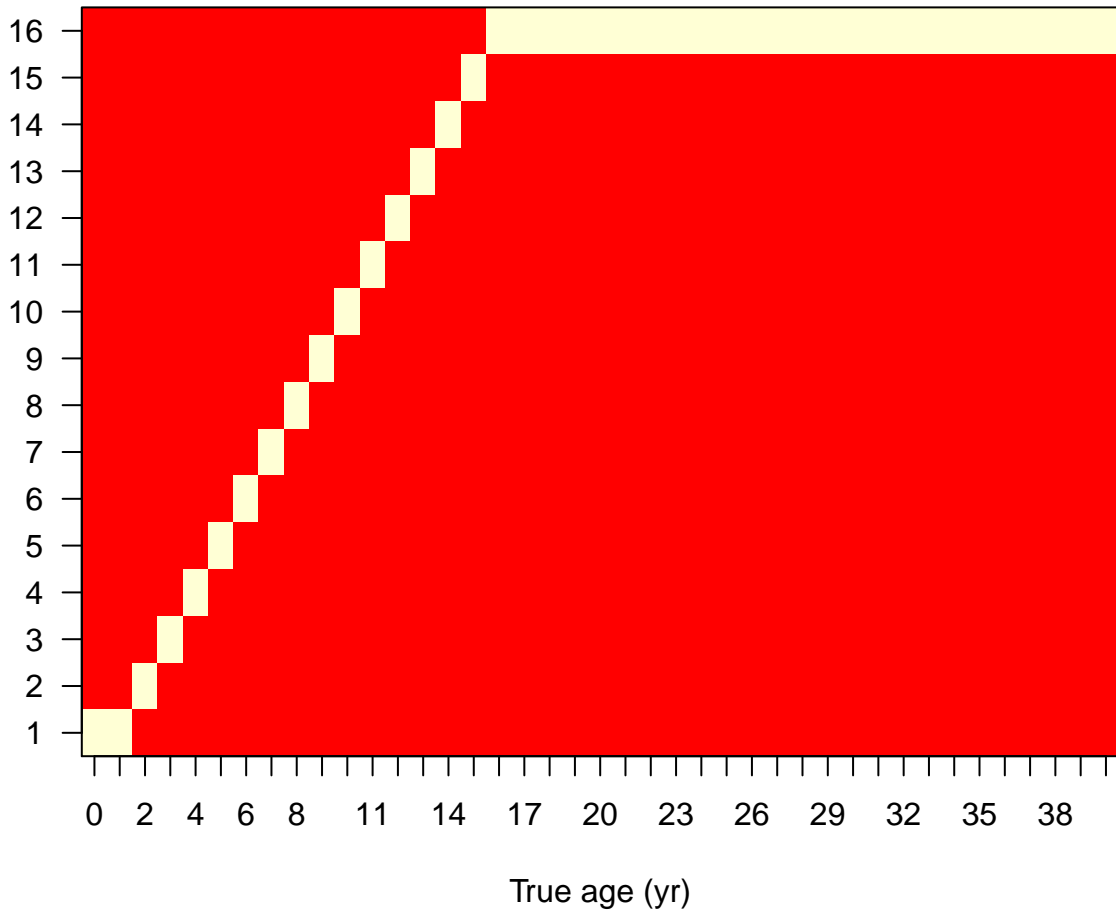
Length

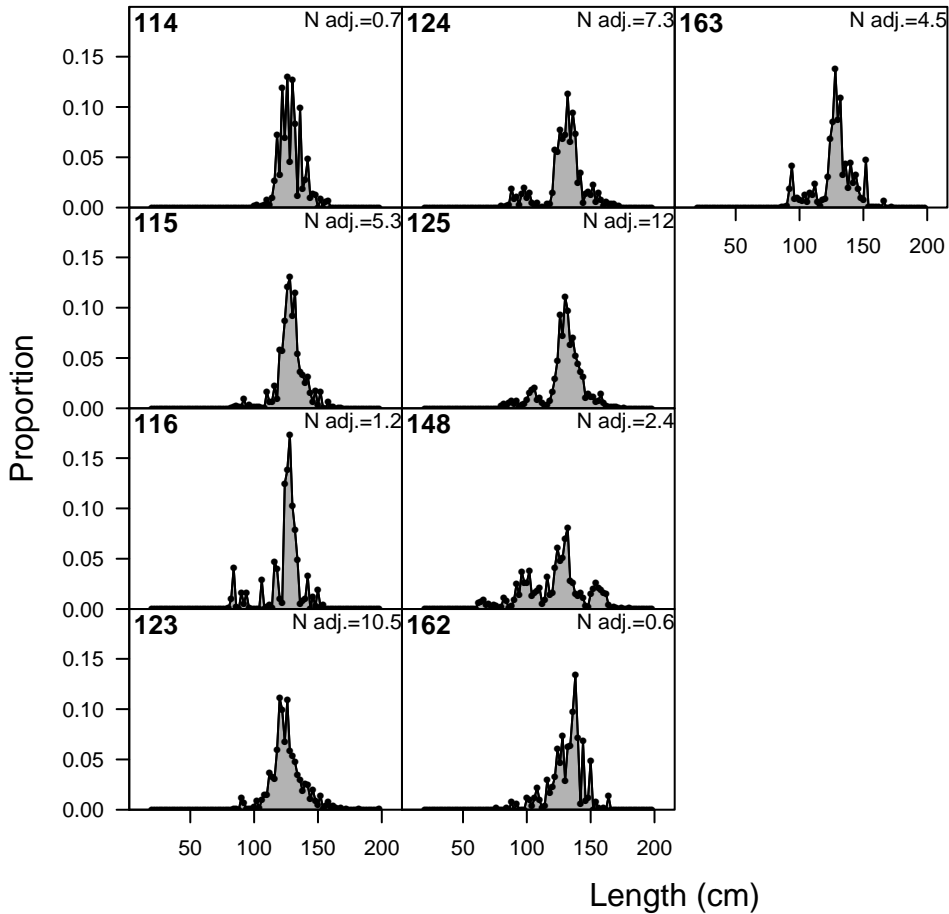


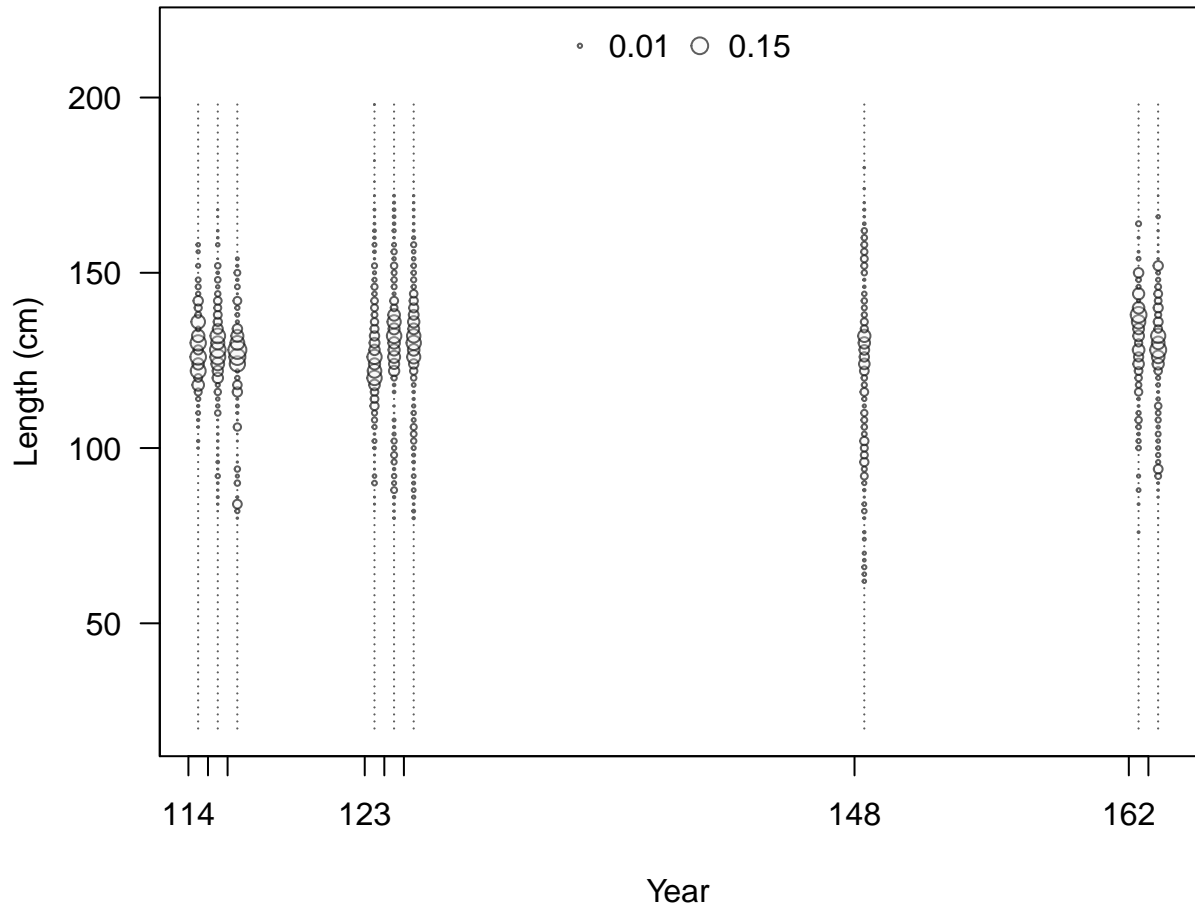




Observed age (yr)

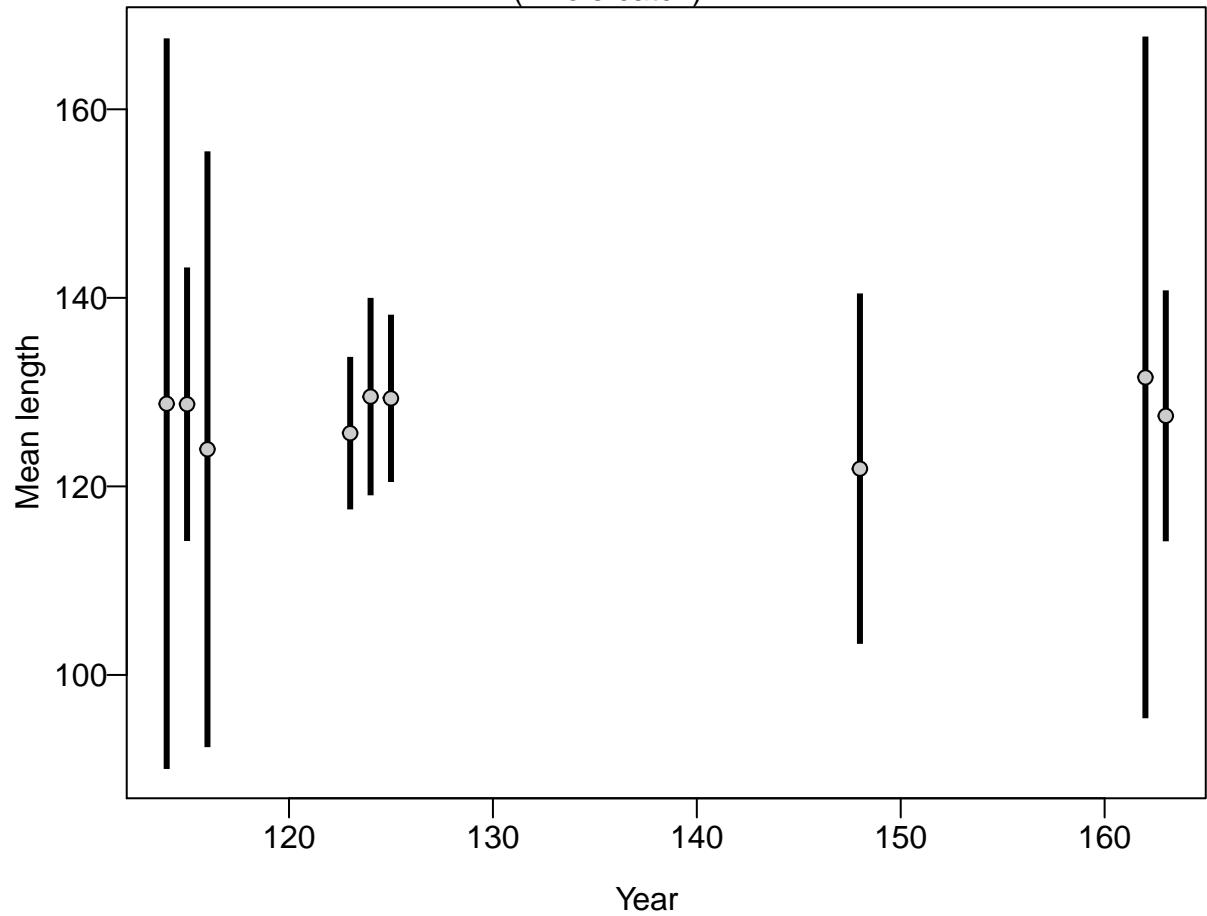




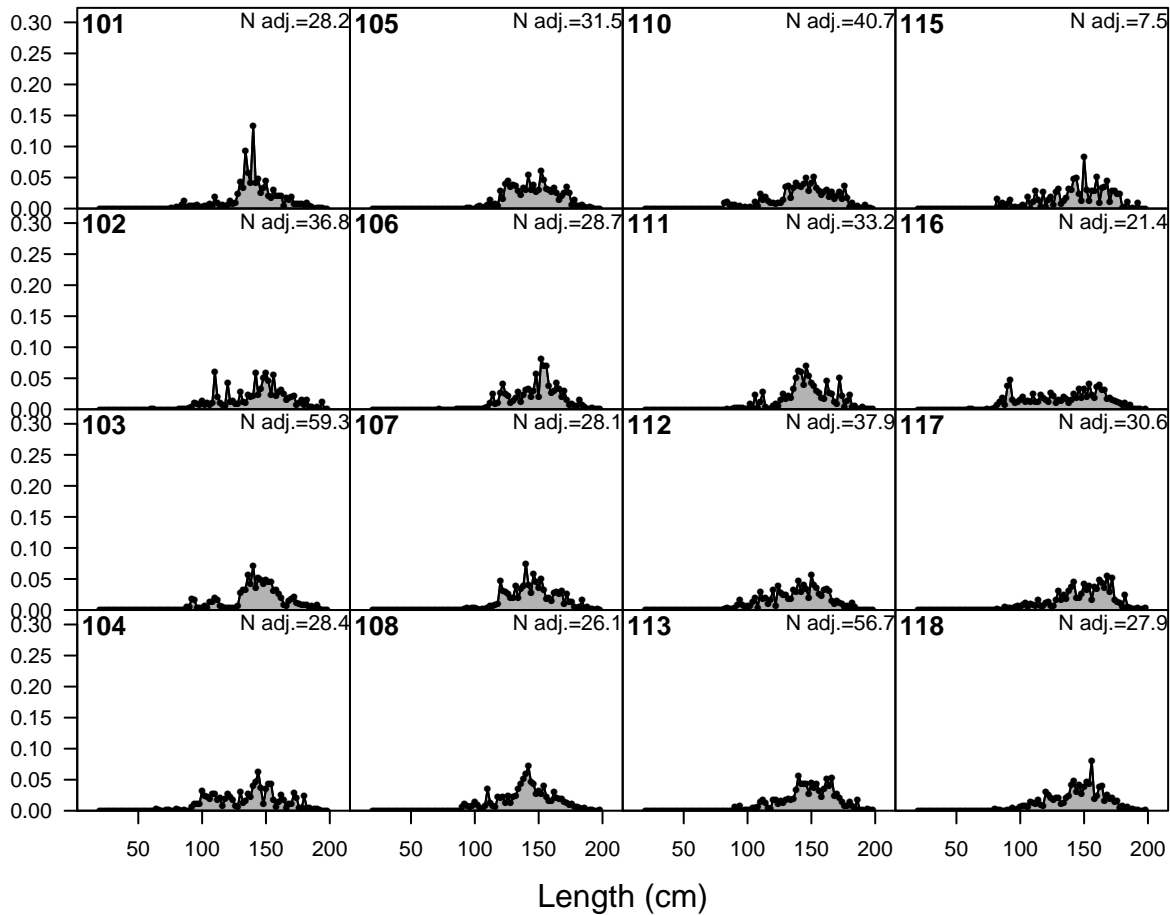




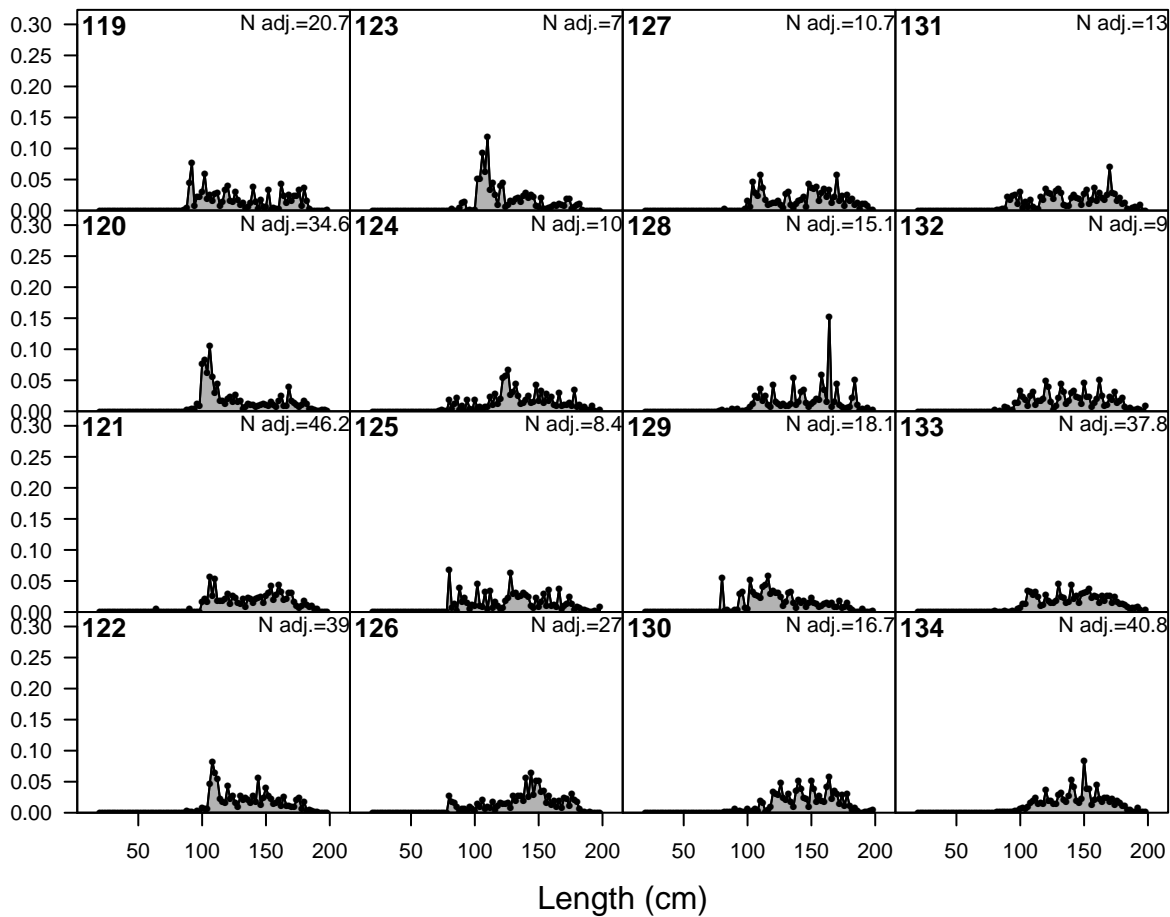
A1-LL-n (whole catch)



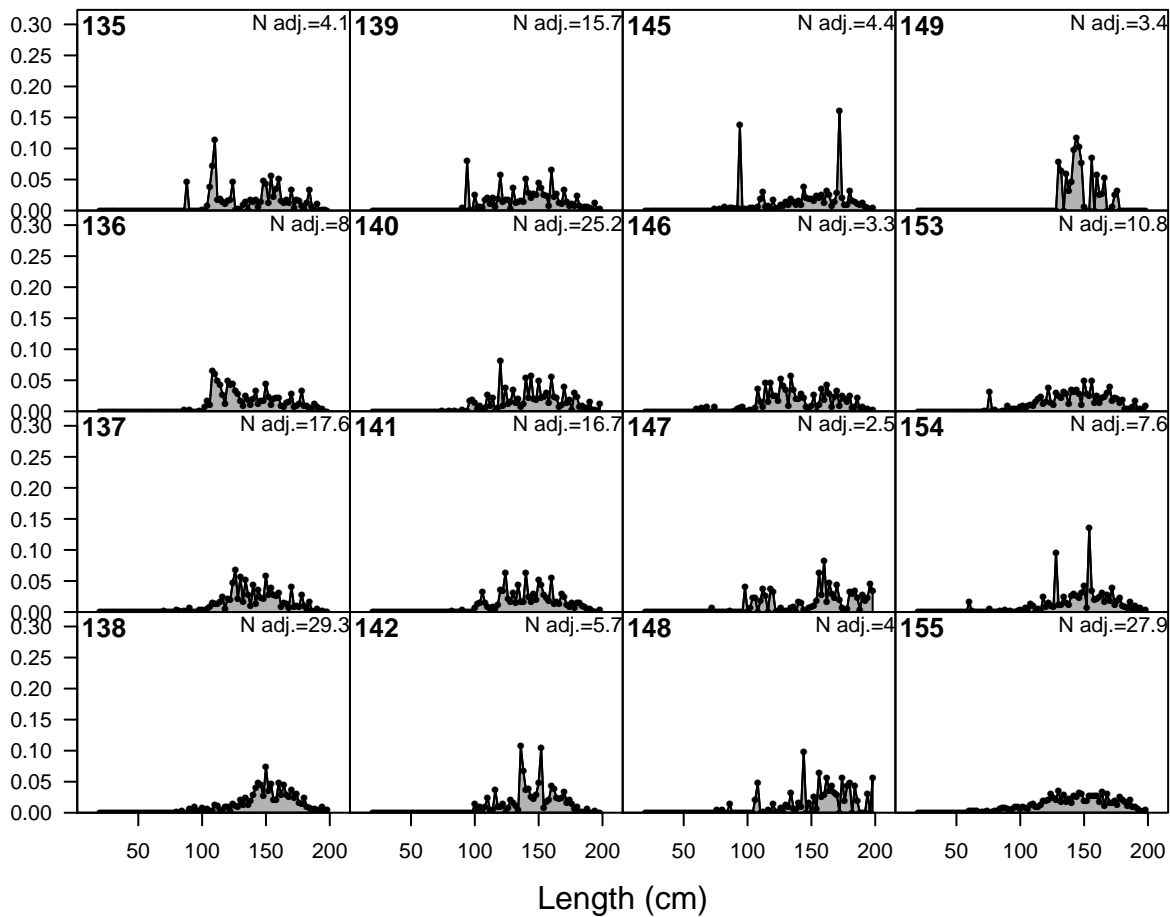
Proportion



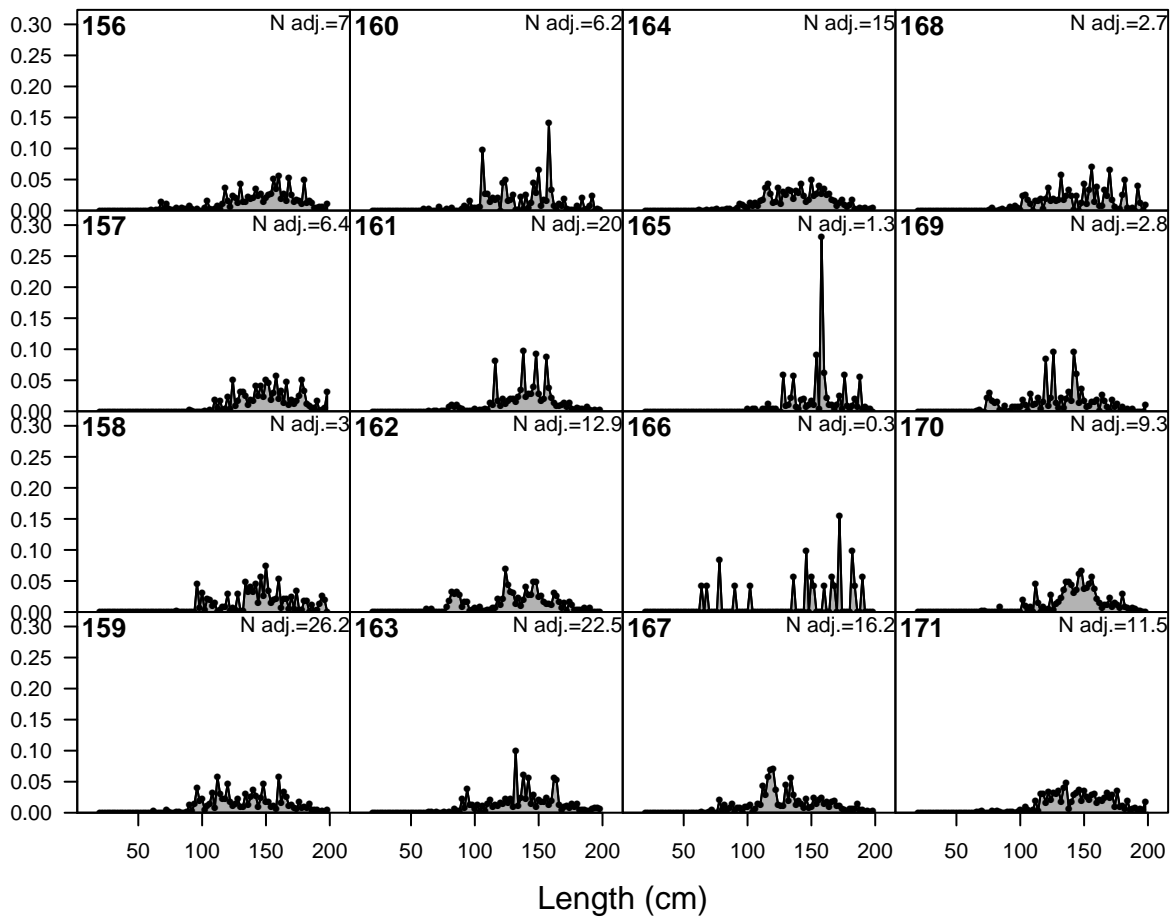
Proportion



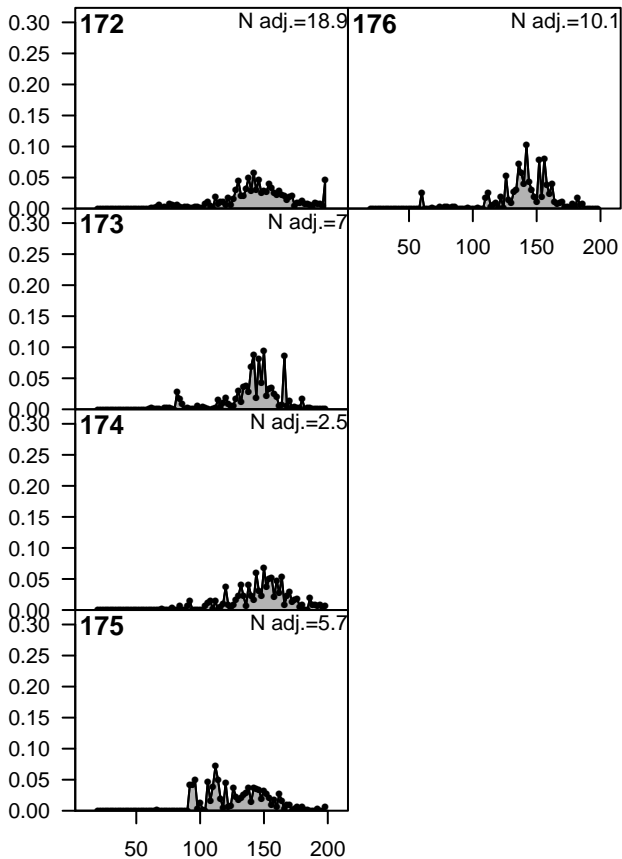
Proportion



Proportion



Proportion



Length (cm)

200

150

100

50

◦ 0.01 ○ 0.2

101

108

115

122

129

136

145

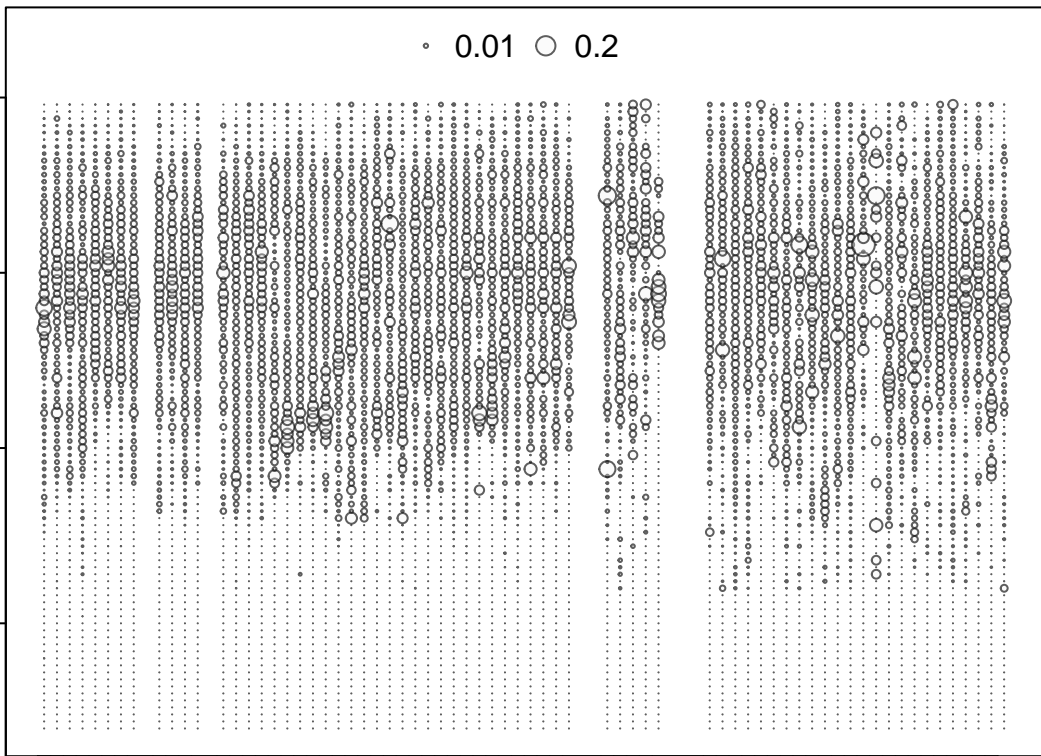
153

160

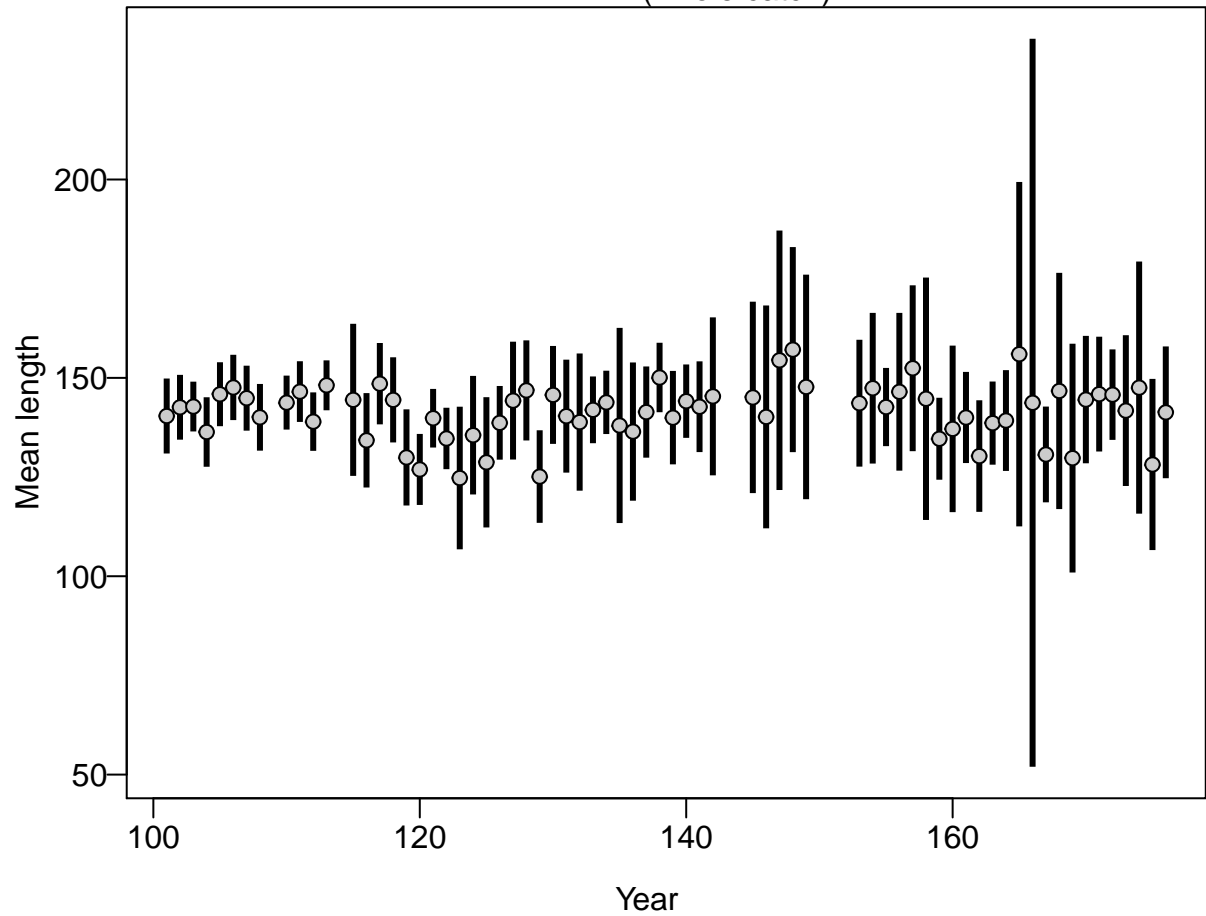
167

174

Year

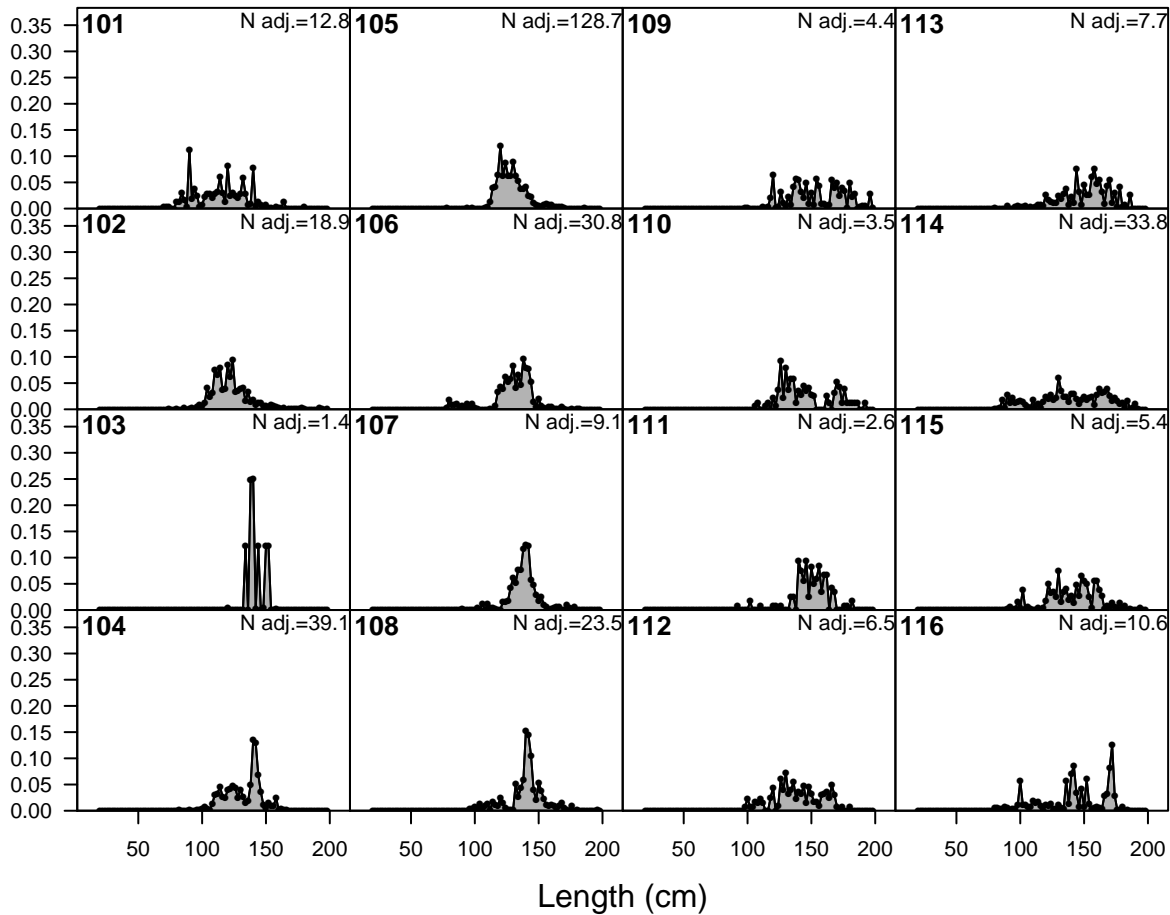


A2-LL-n (whole catch)

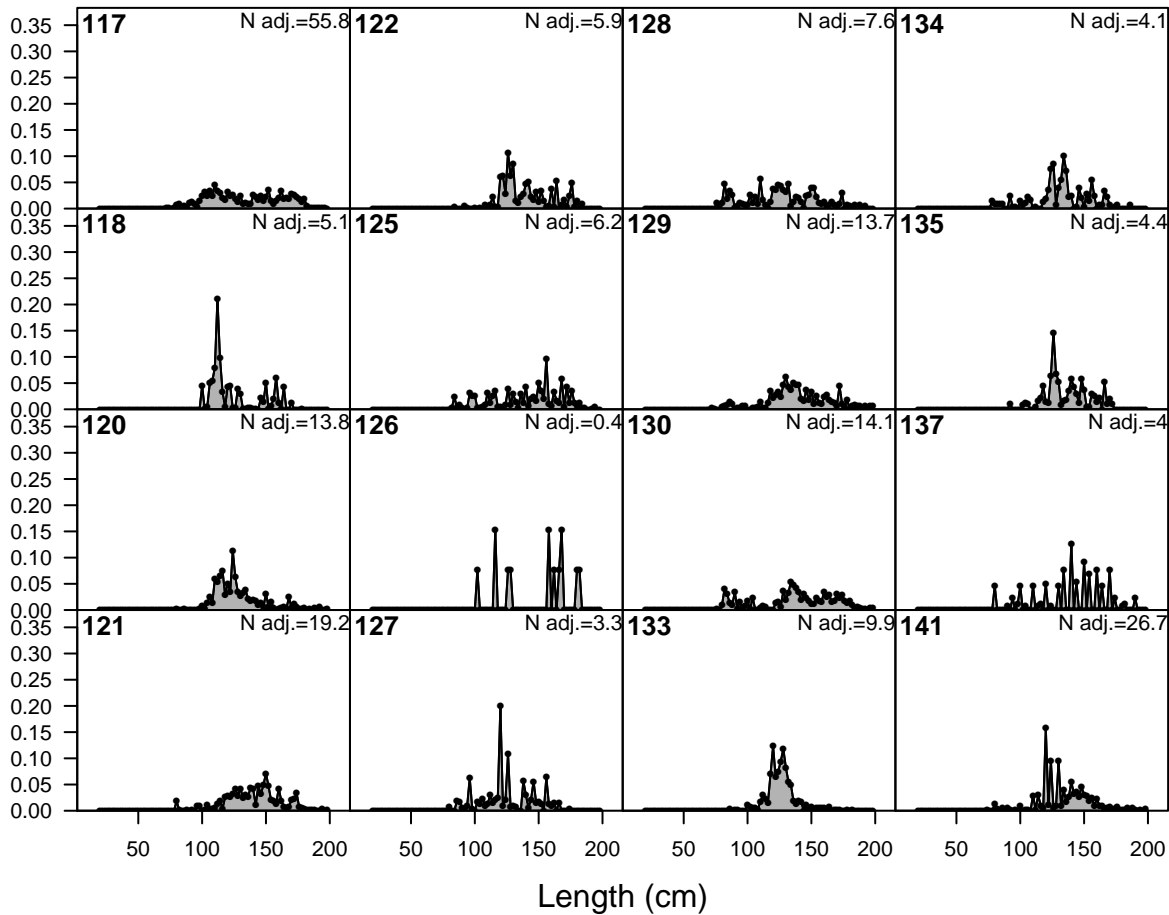




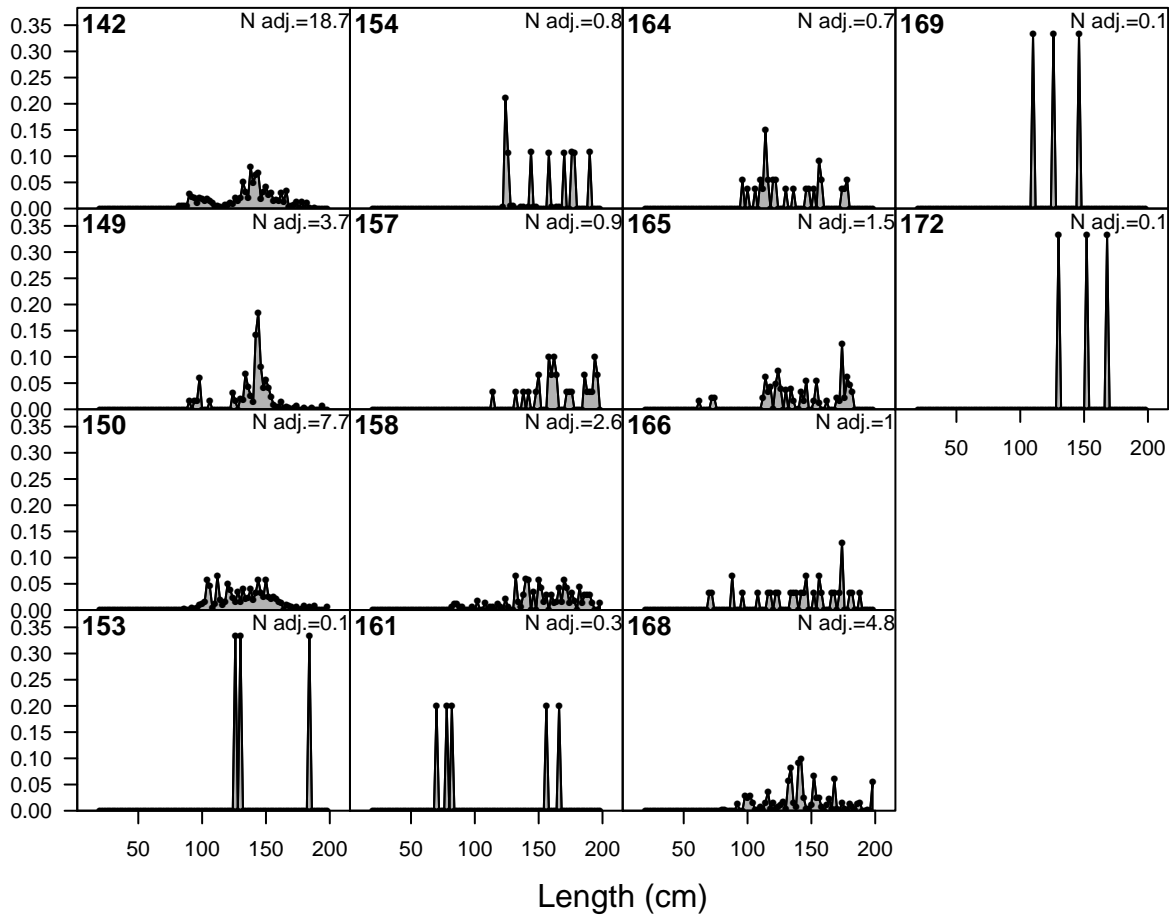
Proportion

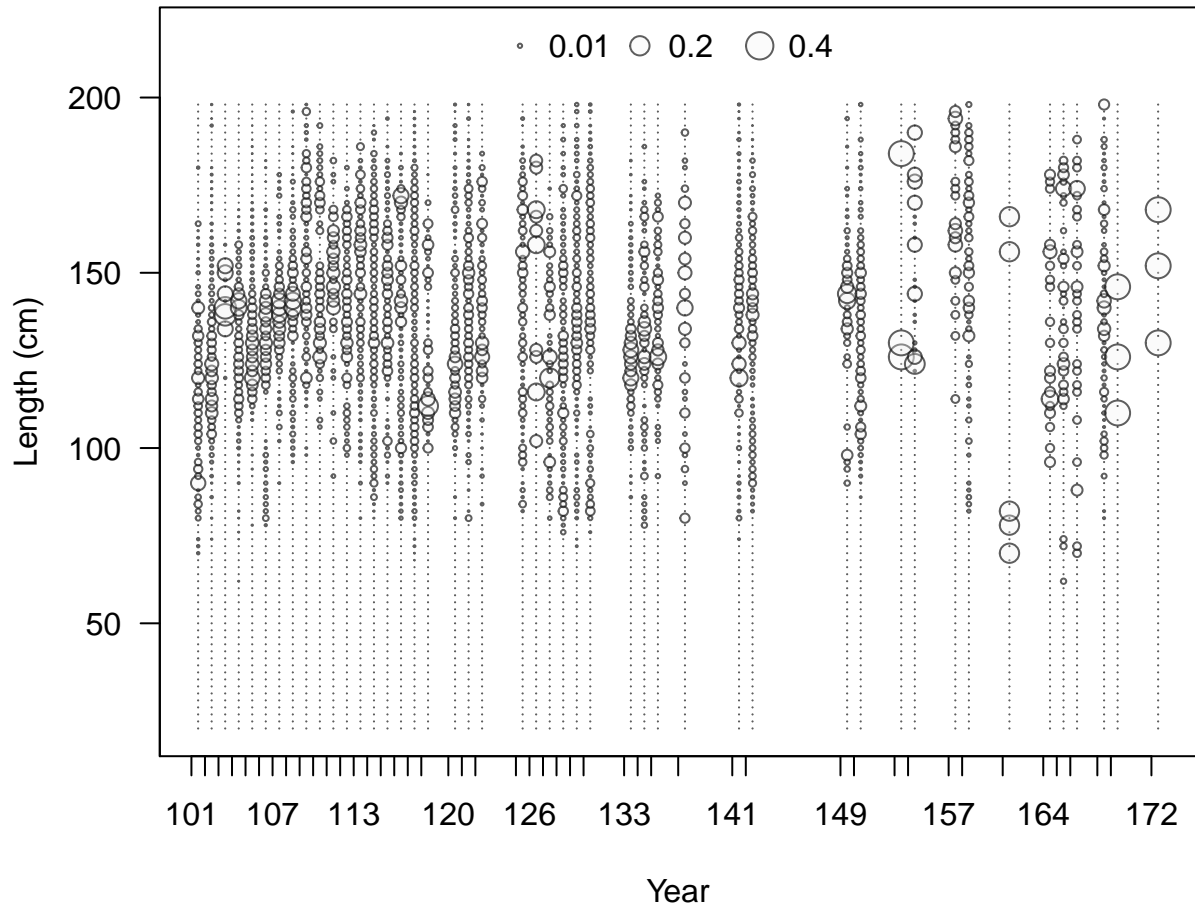


Proportion

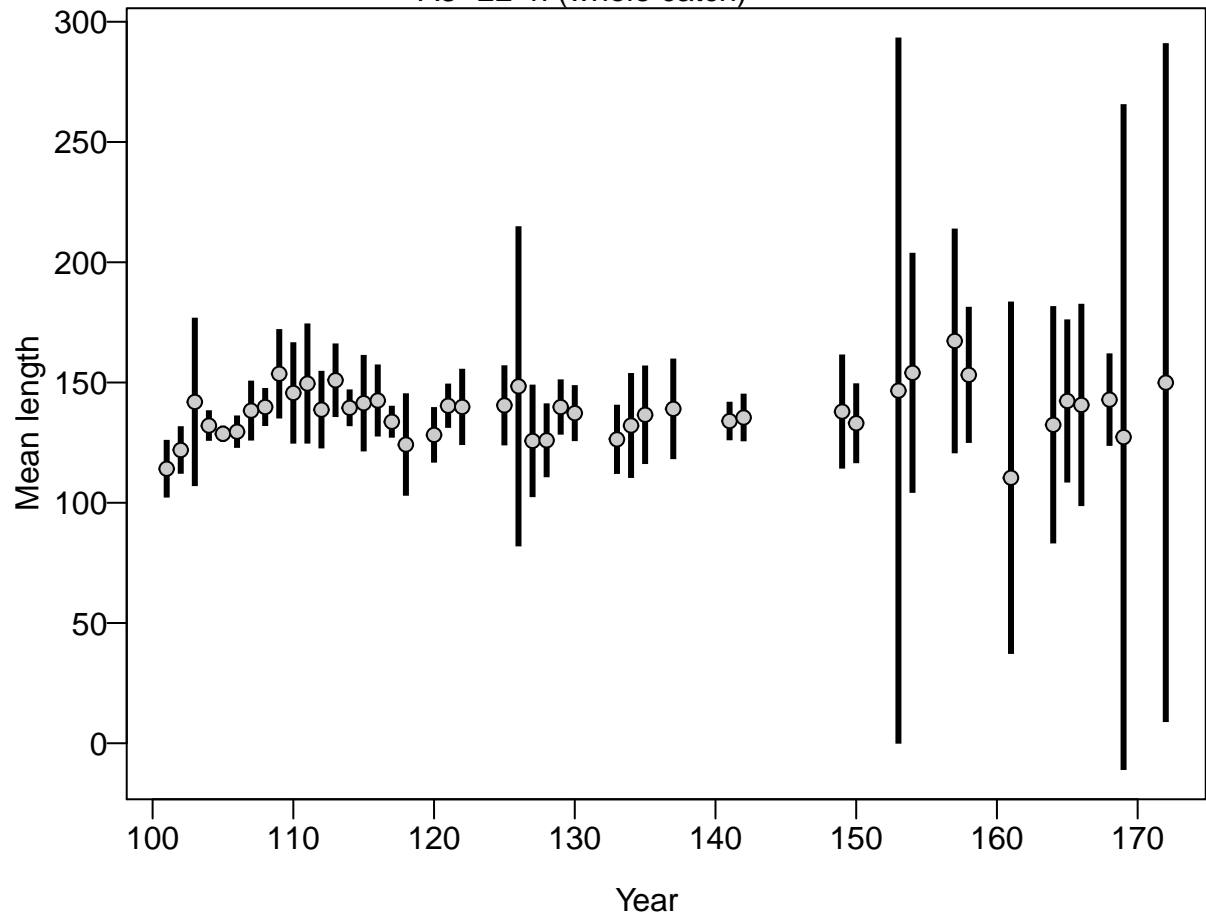


Proportion

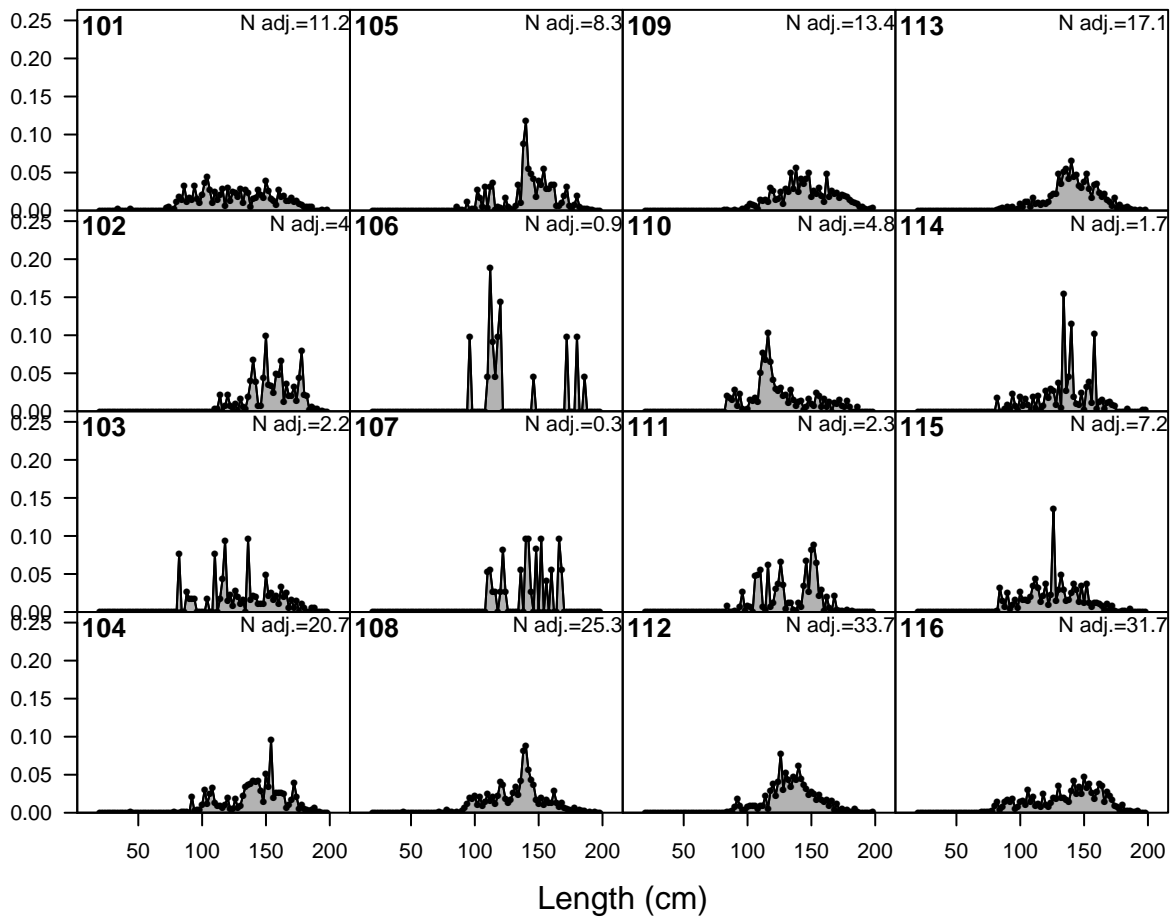




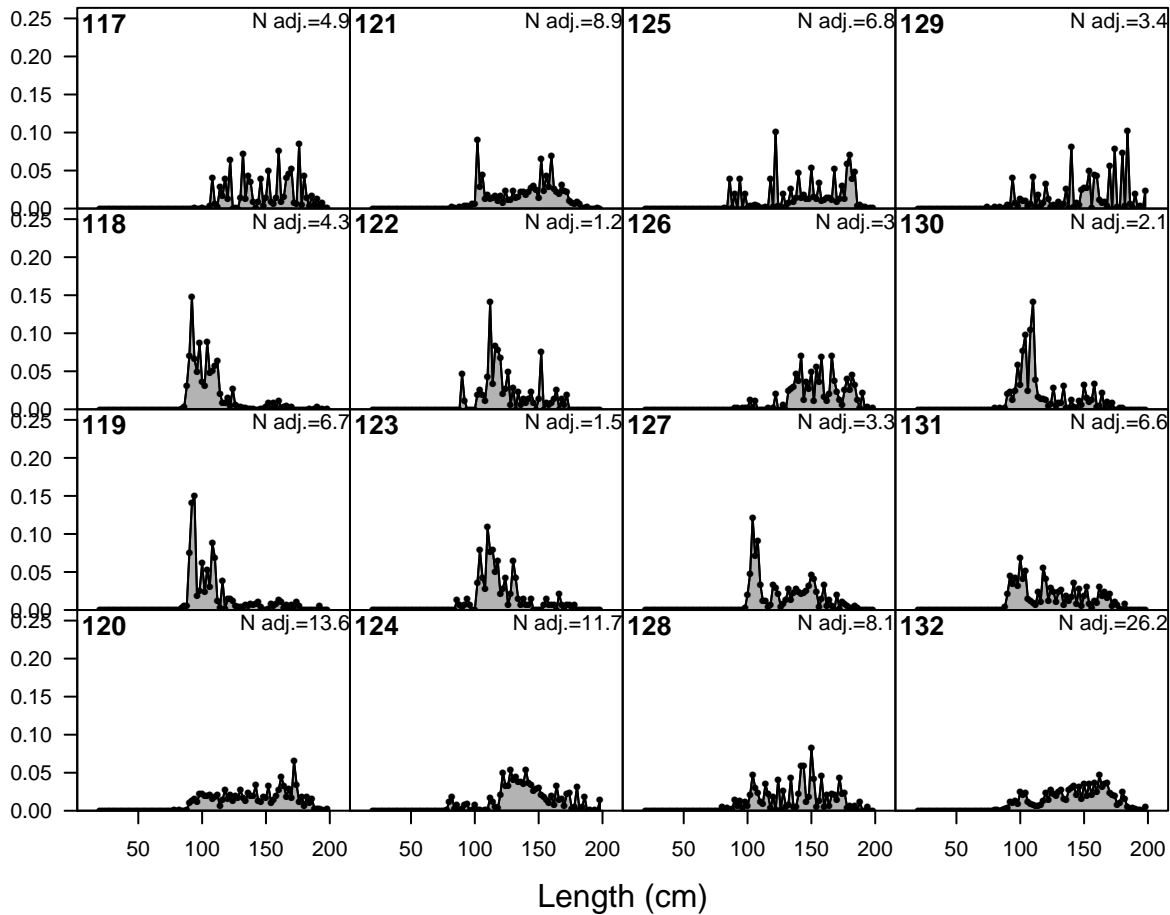
A3-LL-n (whole catch)



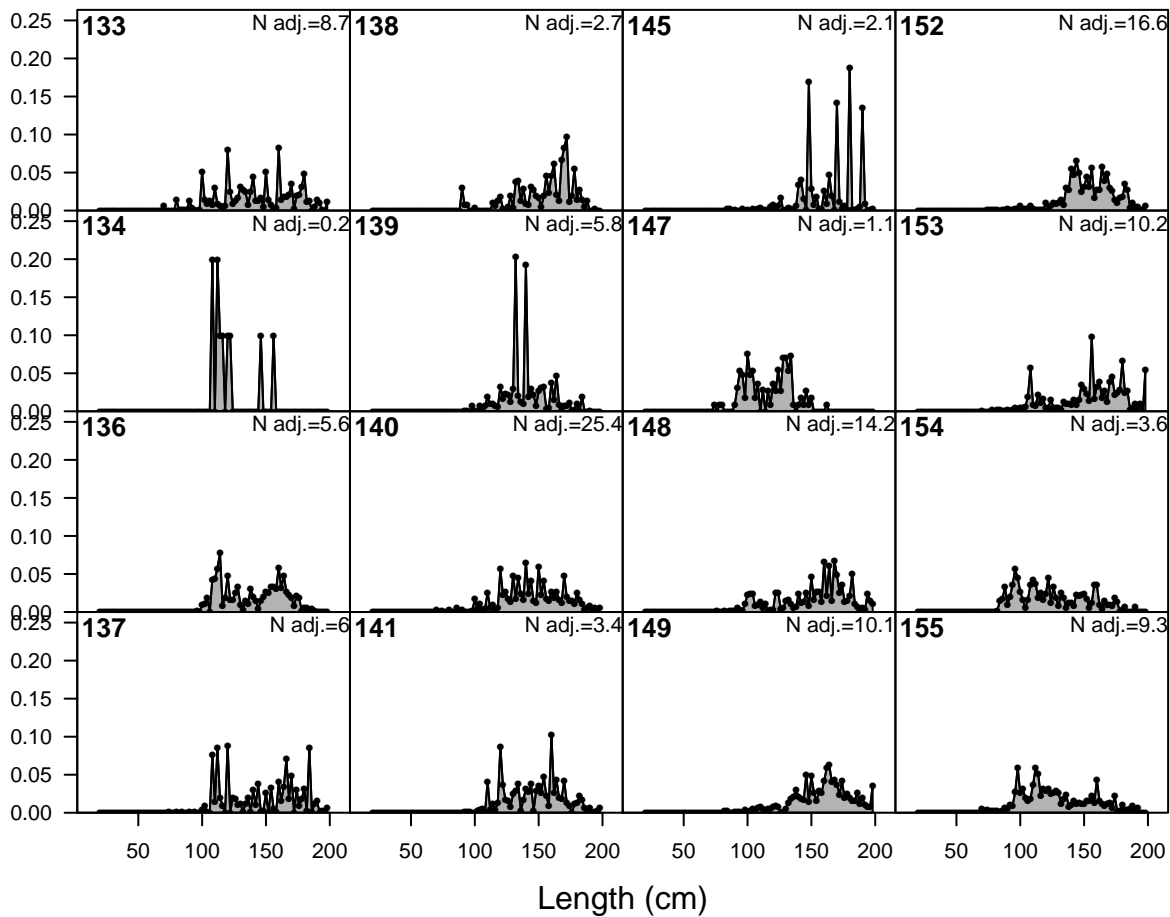
Proportion



Proportion

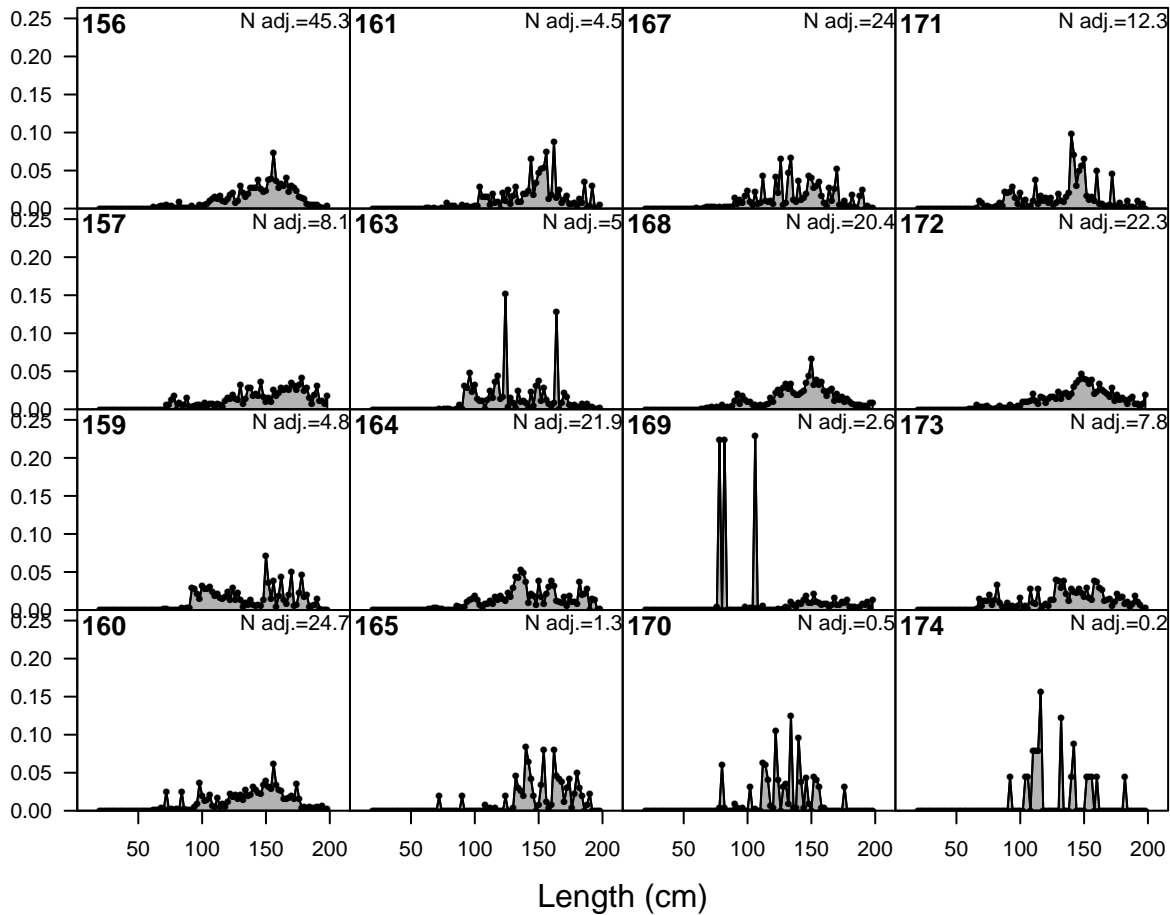


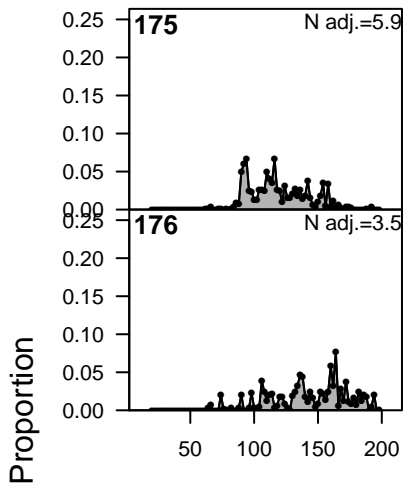
Proportion



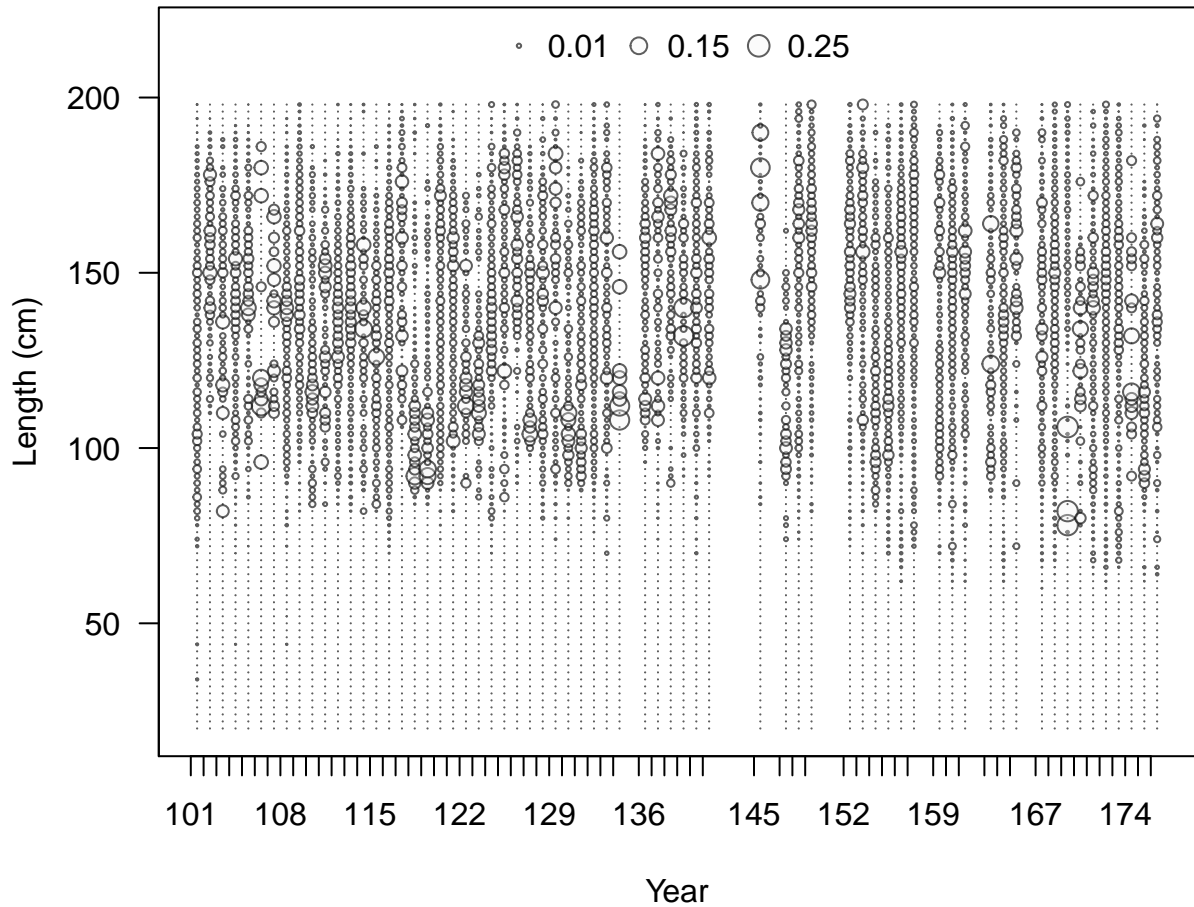


Proportion

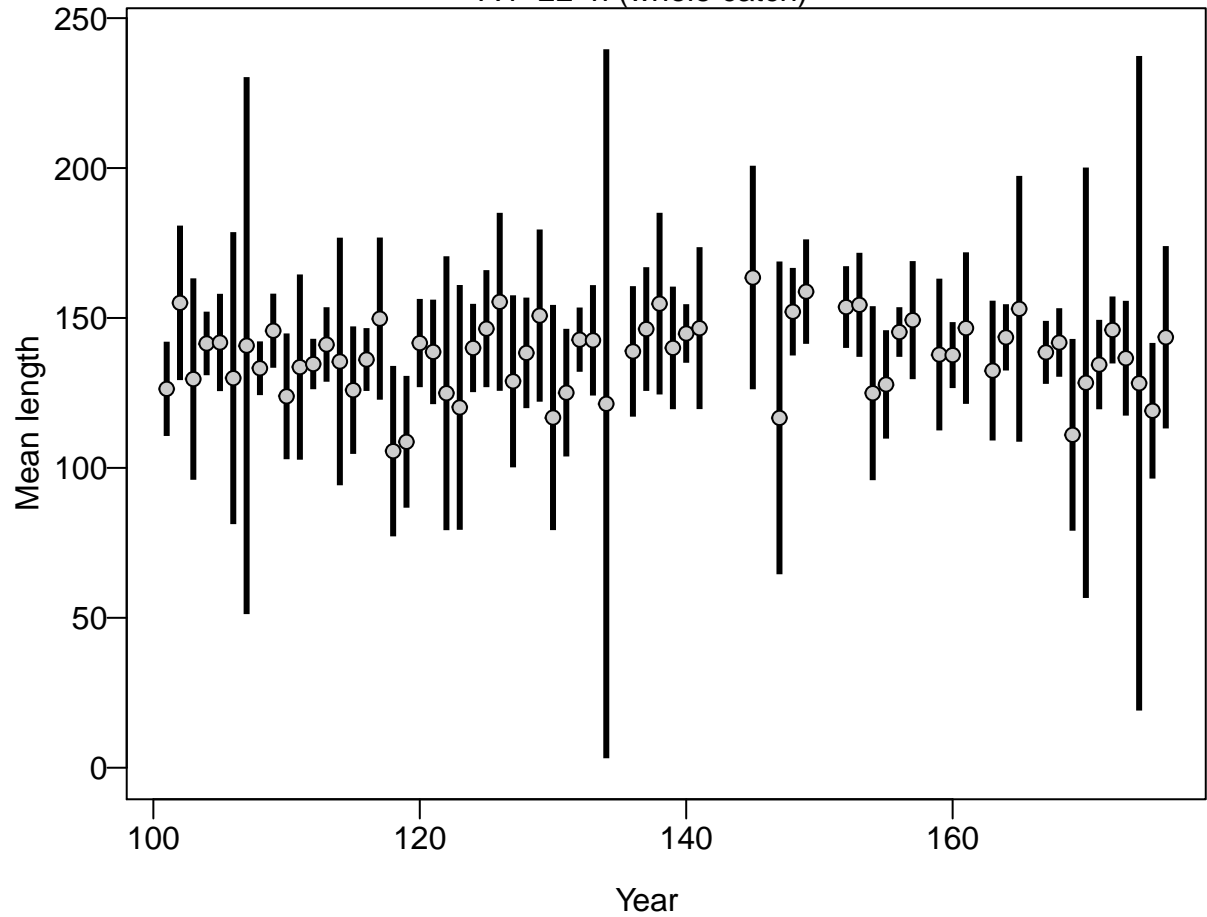




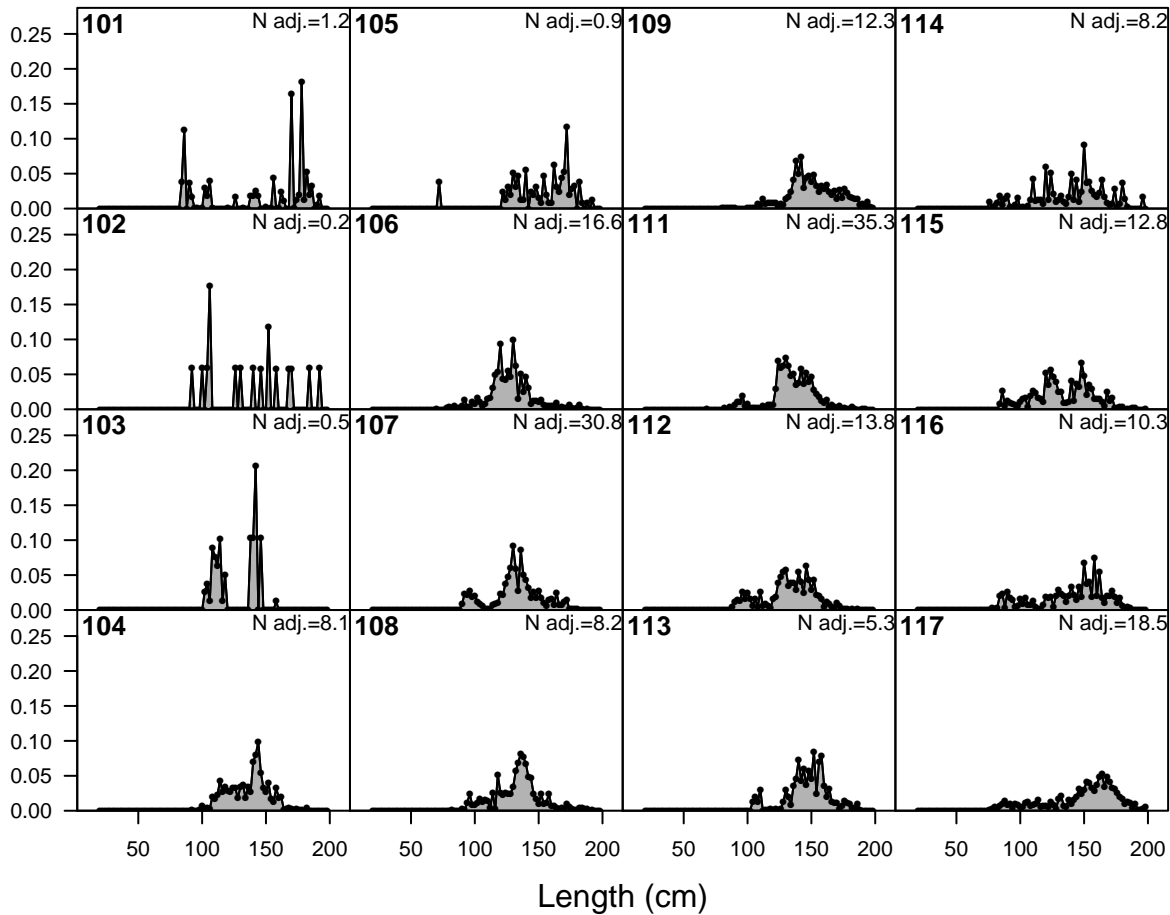
Length (cm)



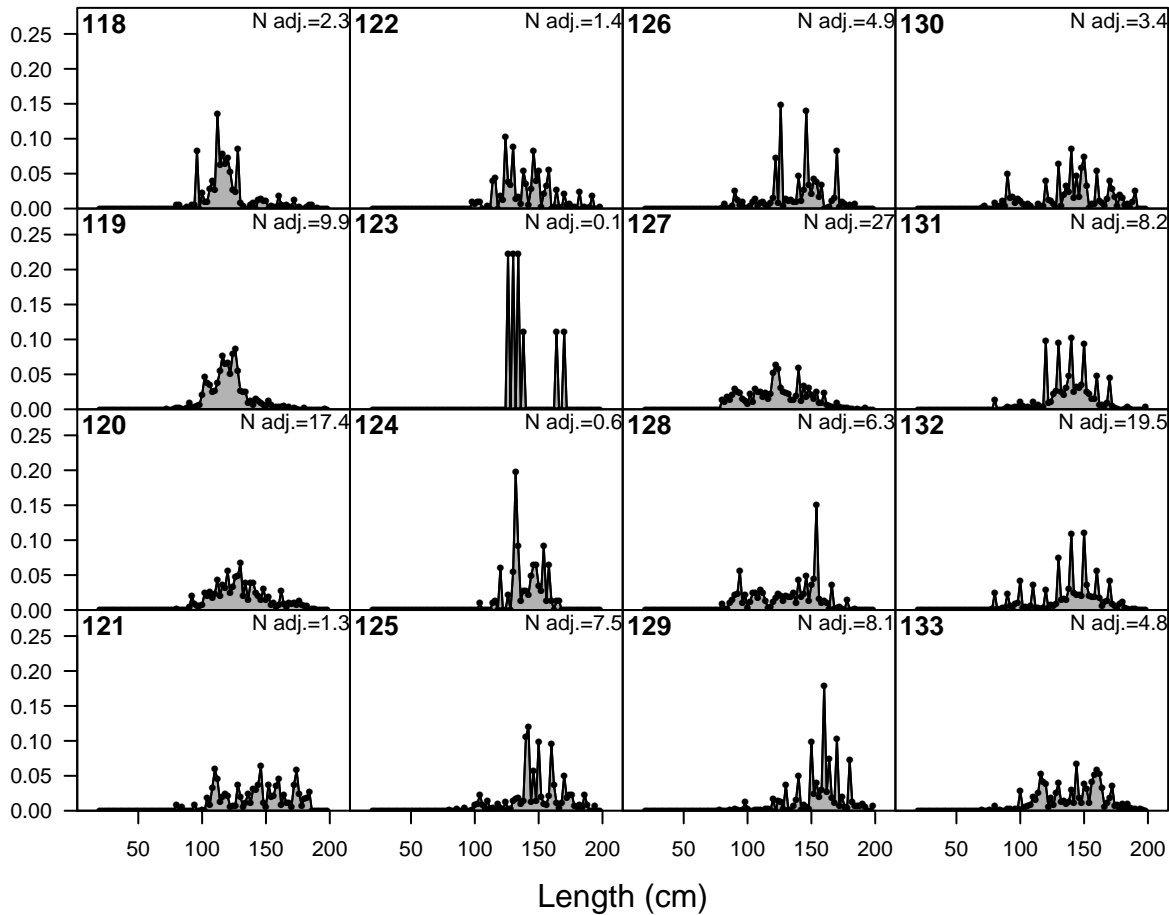
A4-LL-n (whole catch)



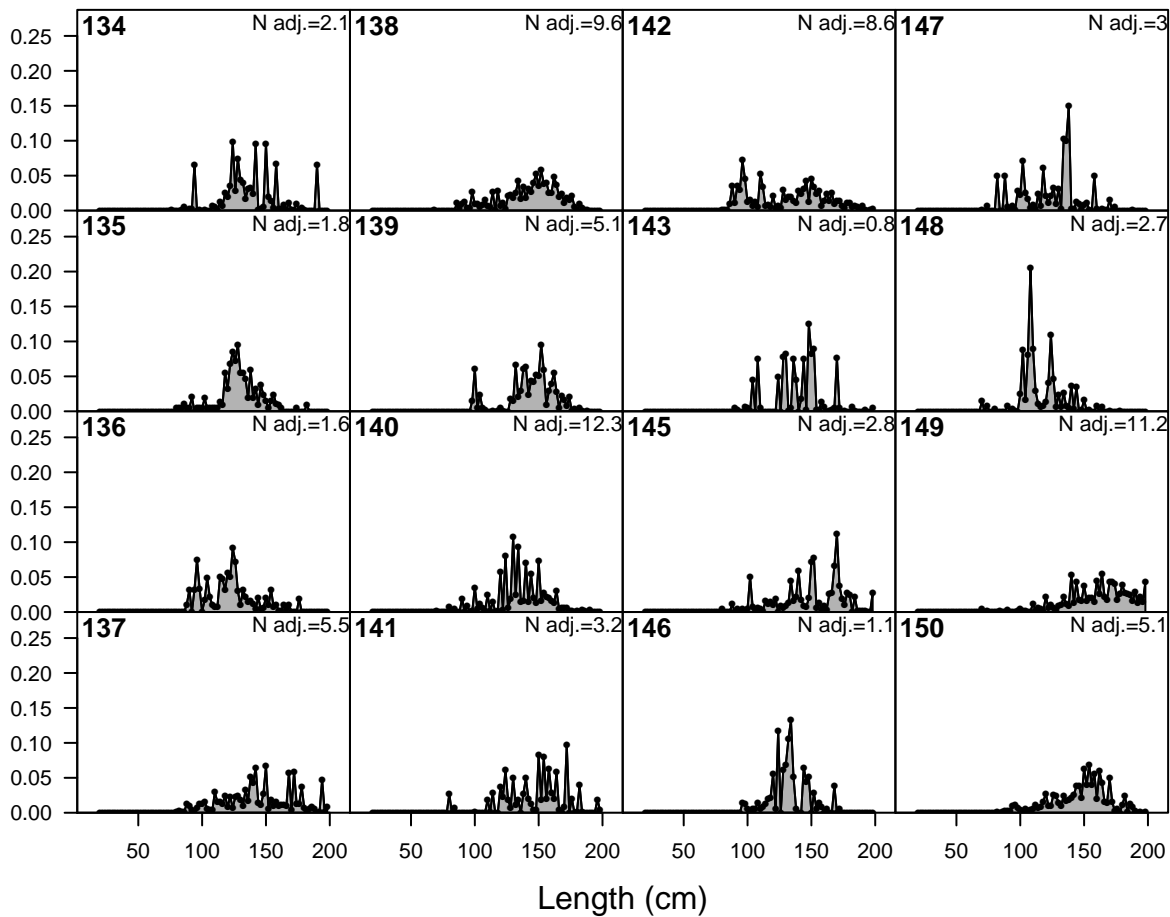
Proportion



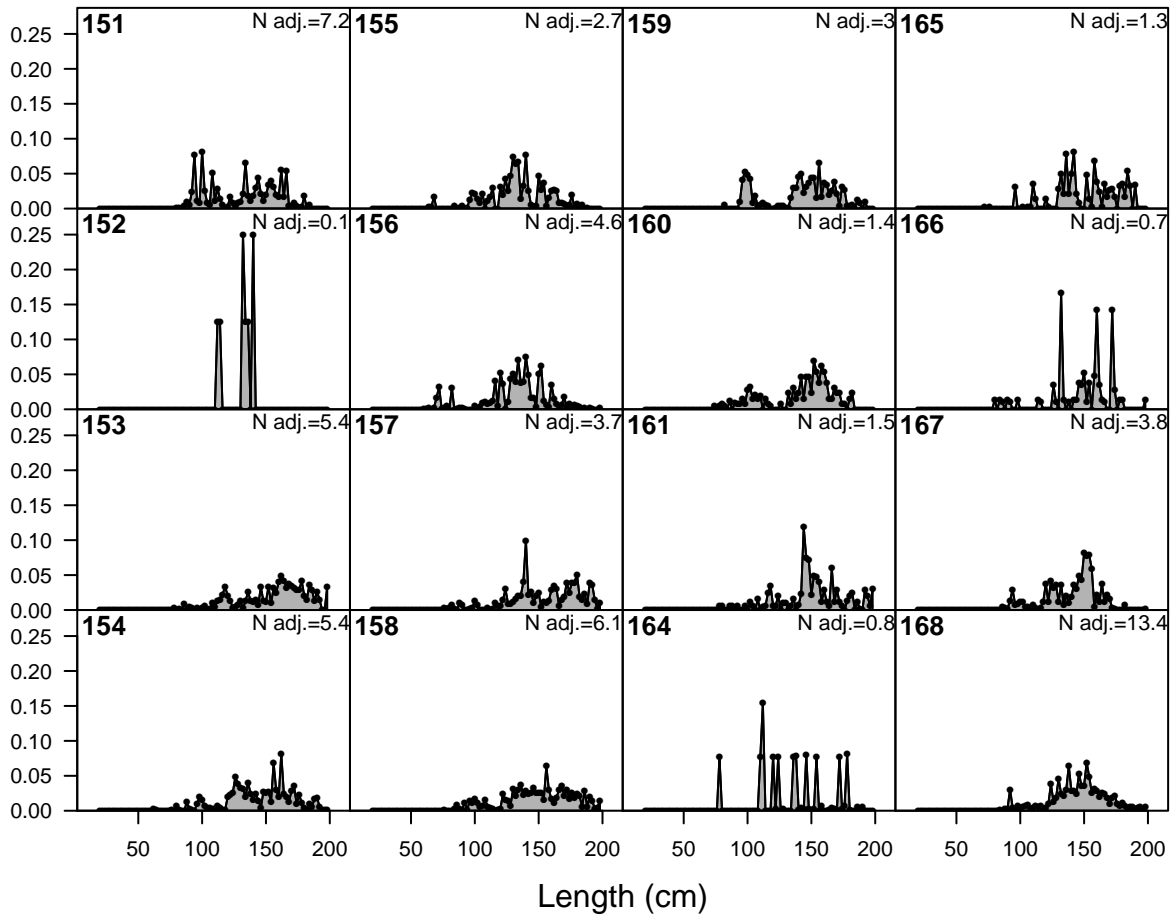
Proportion



Proportion

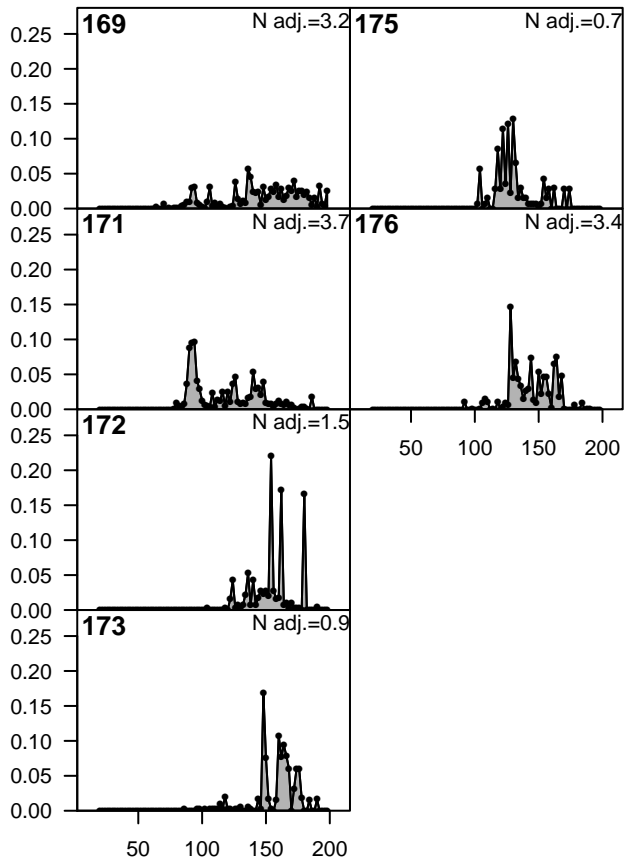


Proportion

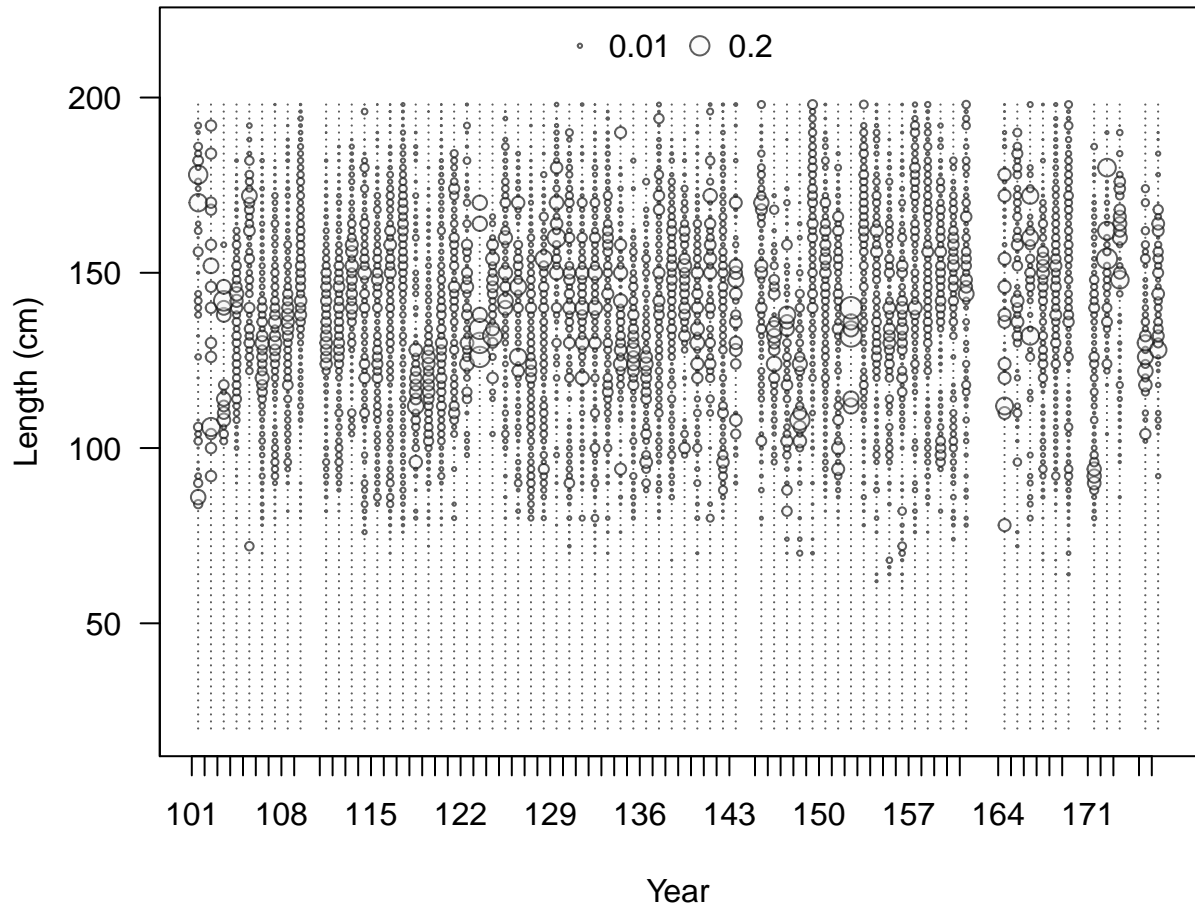




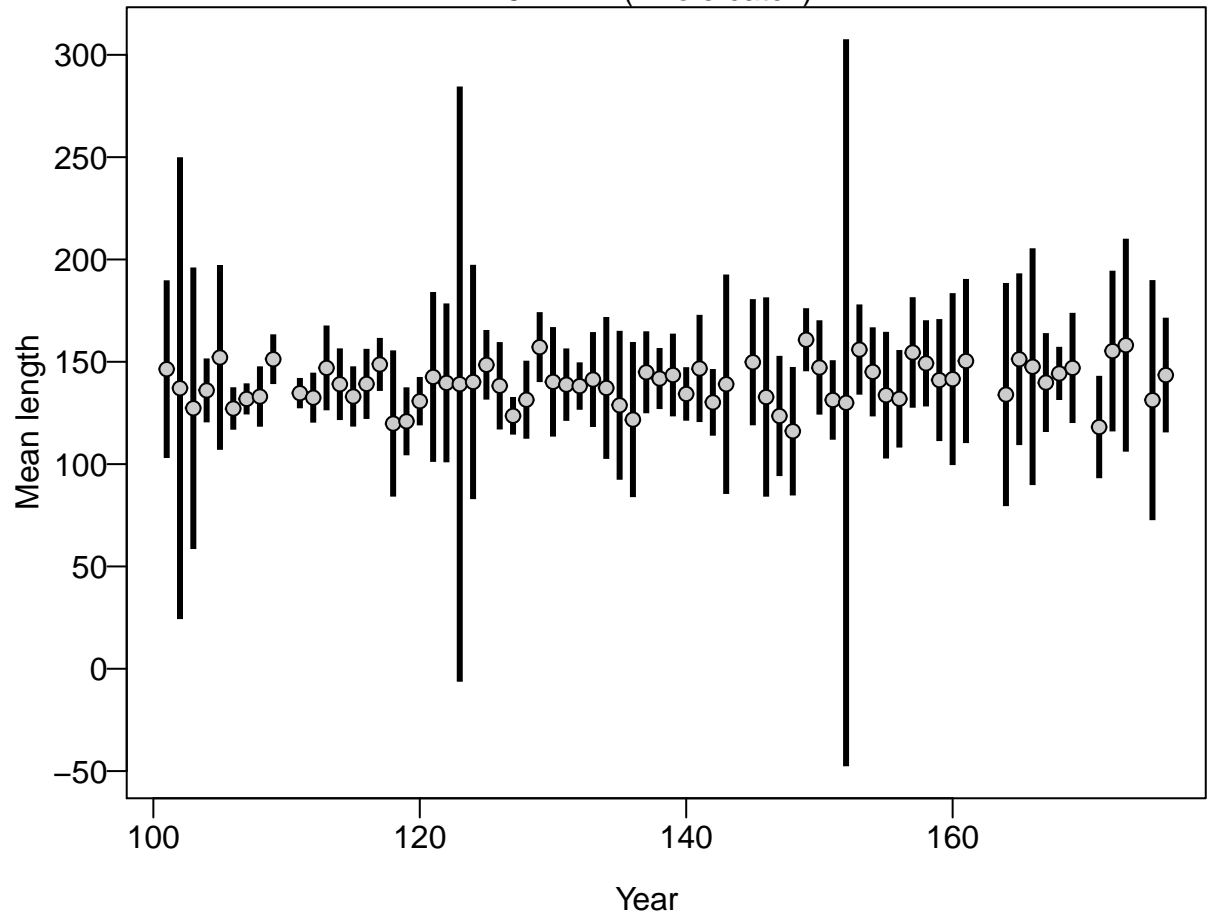
Proportion

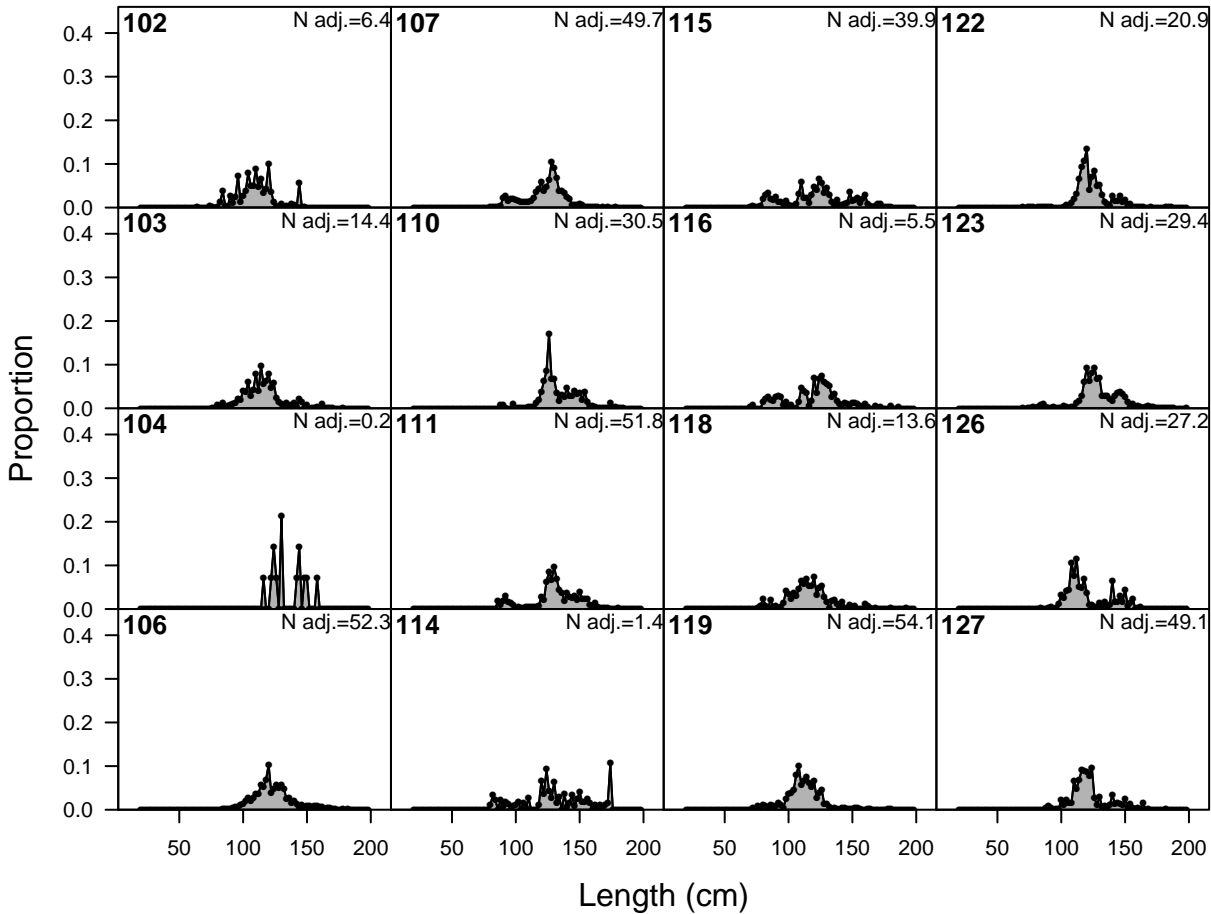


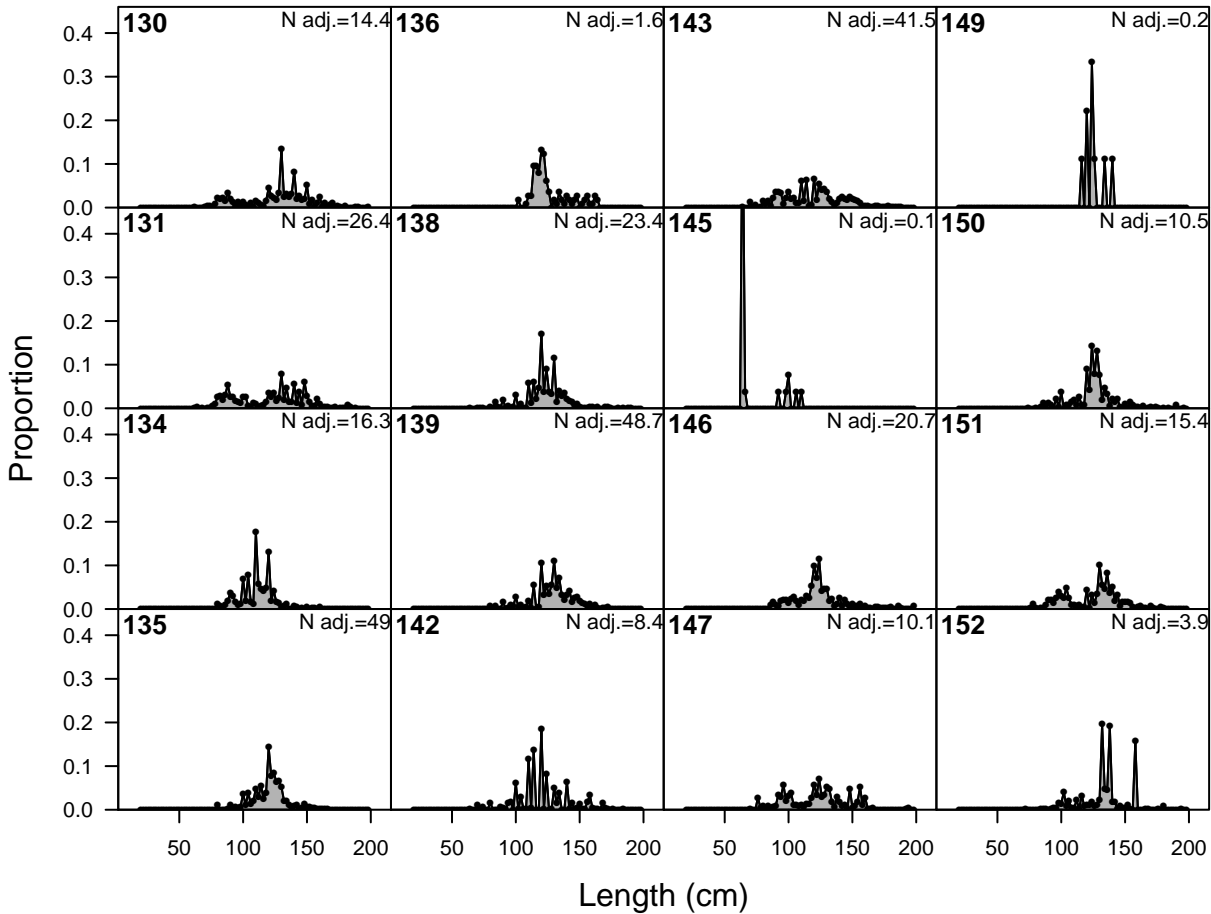
Length (cm)

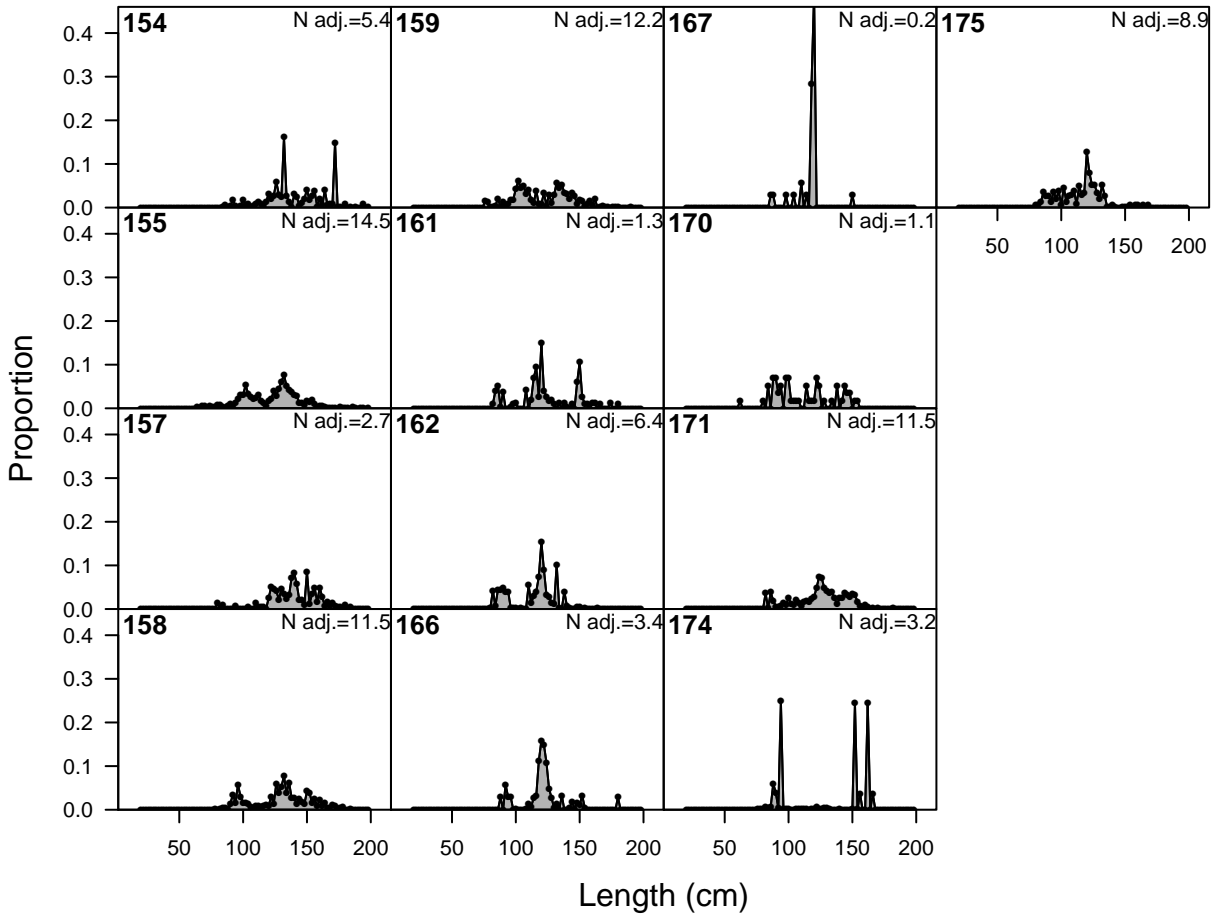


A5-LL-n (whole catch)









Length (cm)

200

150

100

50

◦ 0.01 ○ 0.5 ○ 1

102

110

118

126

134

142

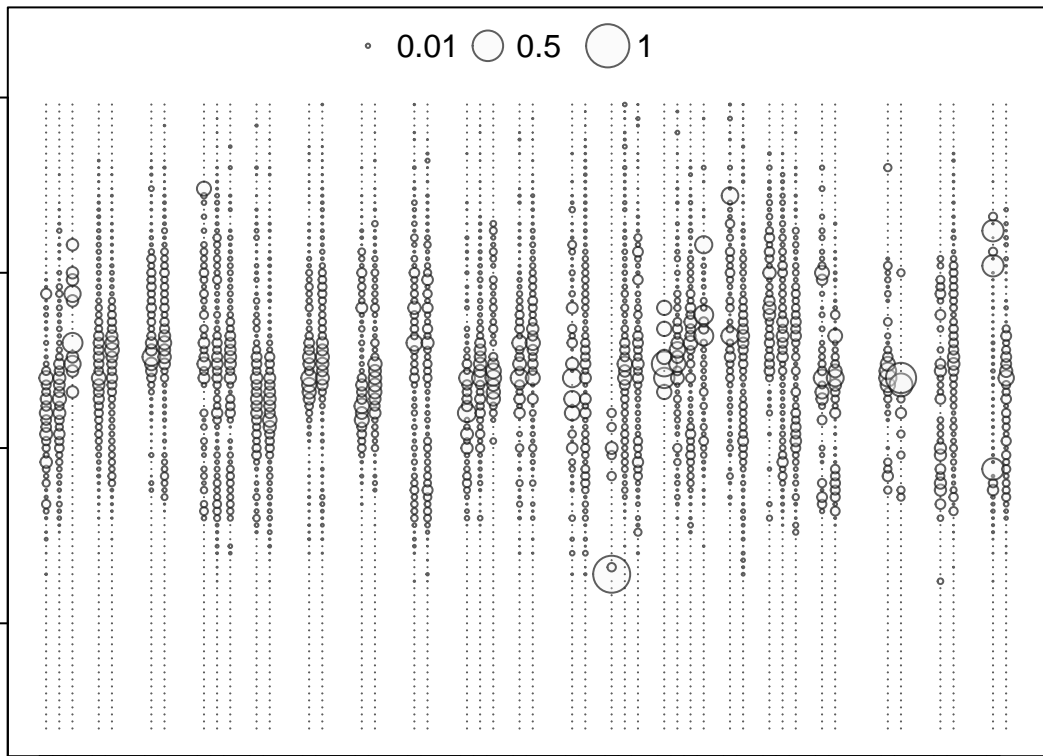
149

157

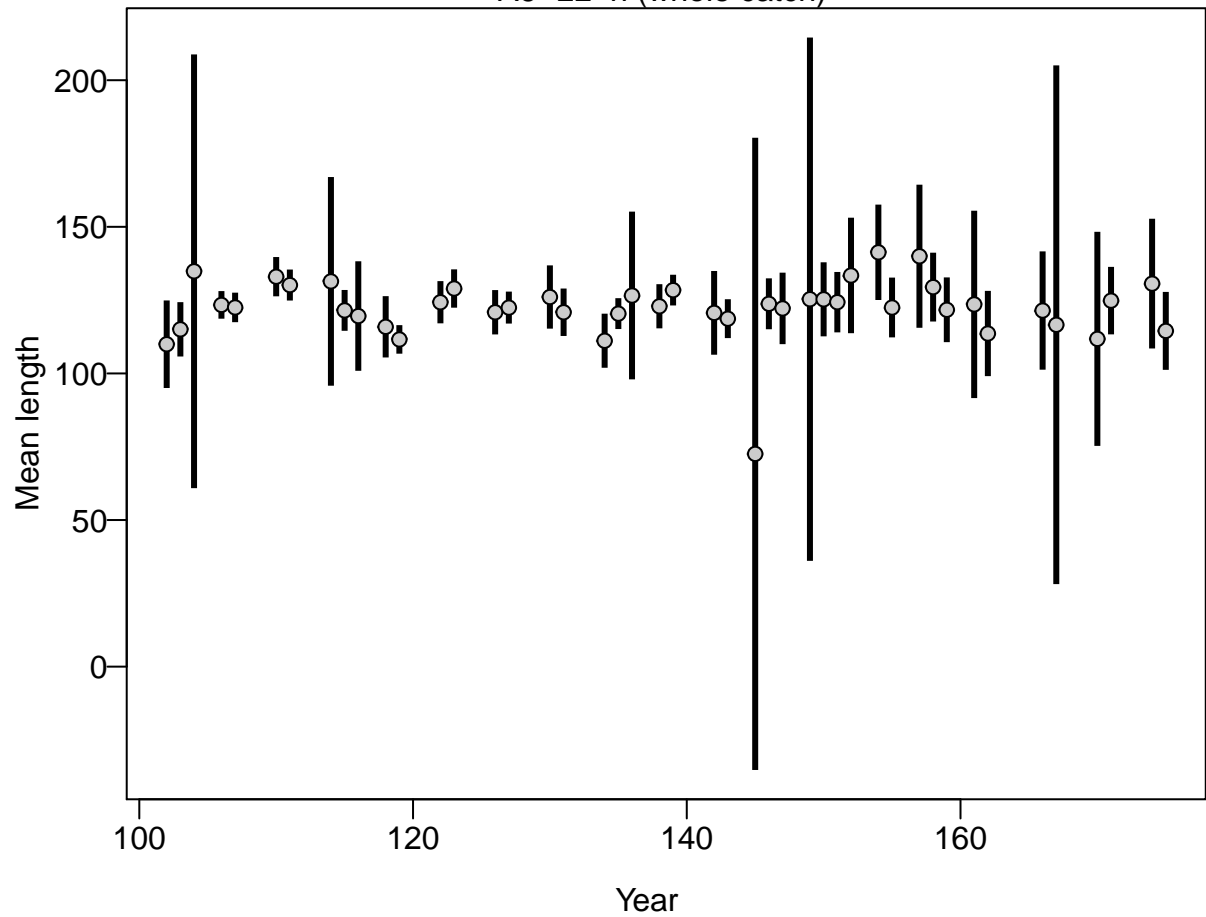
166

174

Year

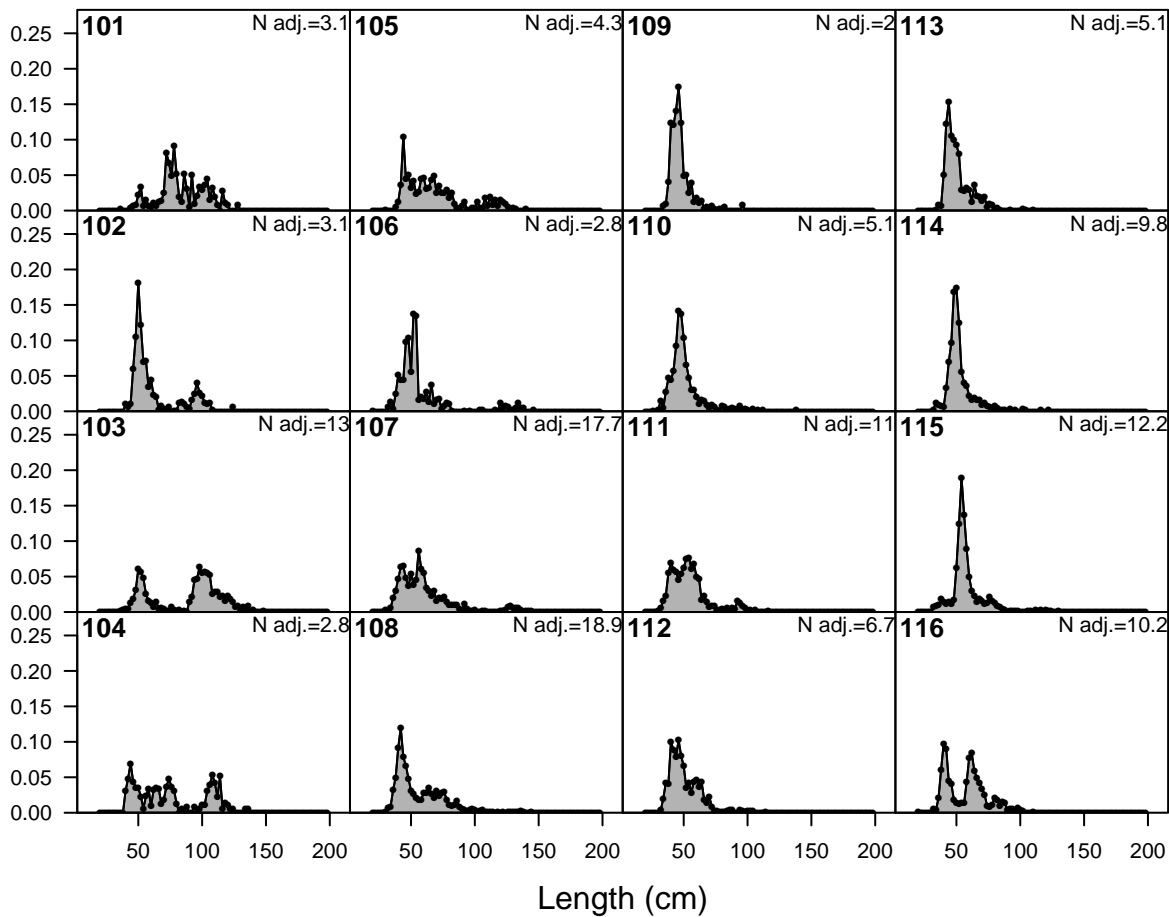


A6-LL-n (whole catch)

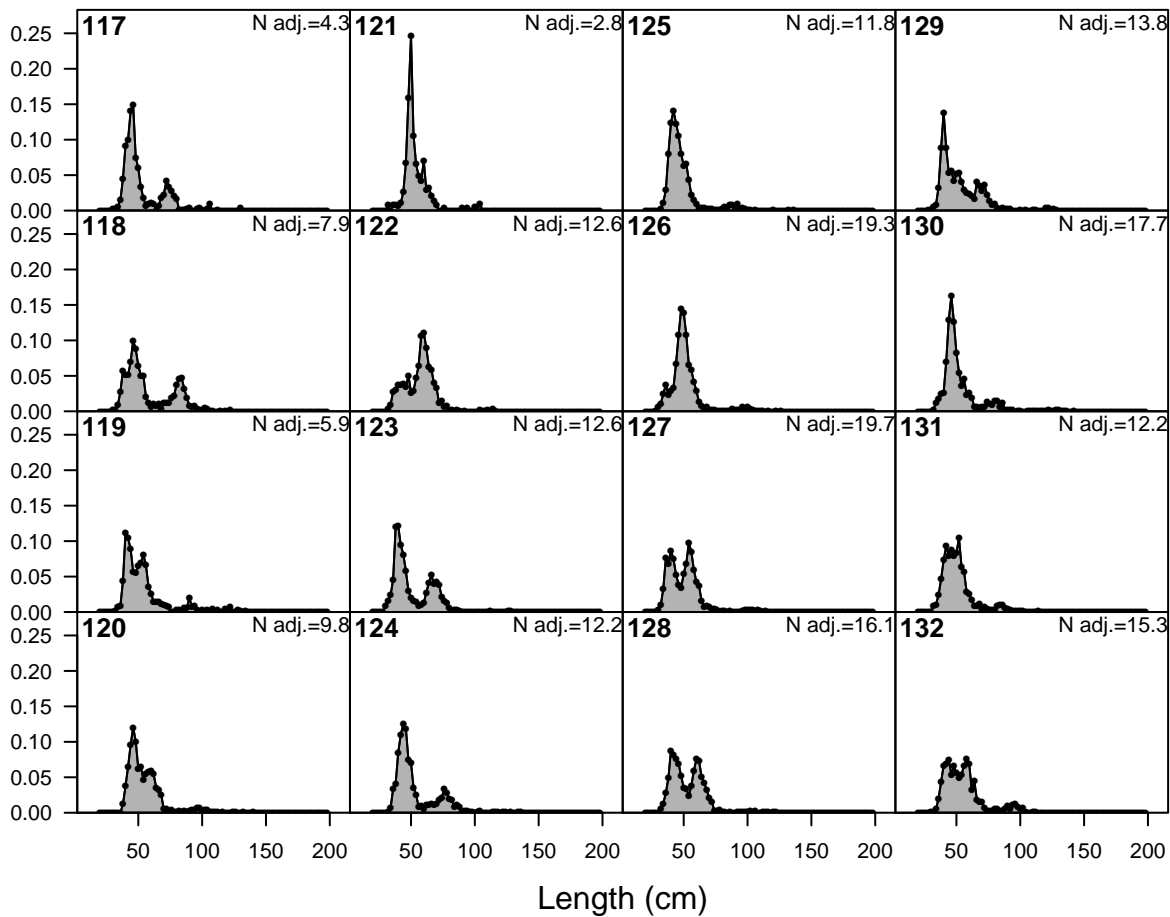




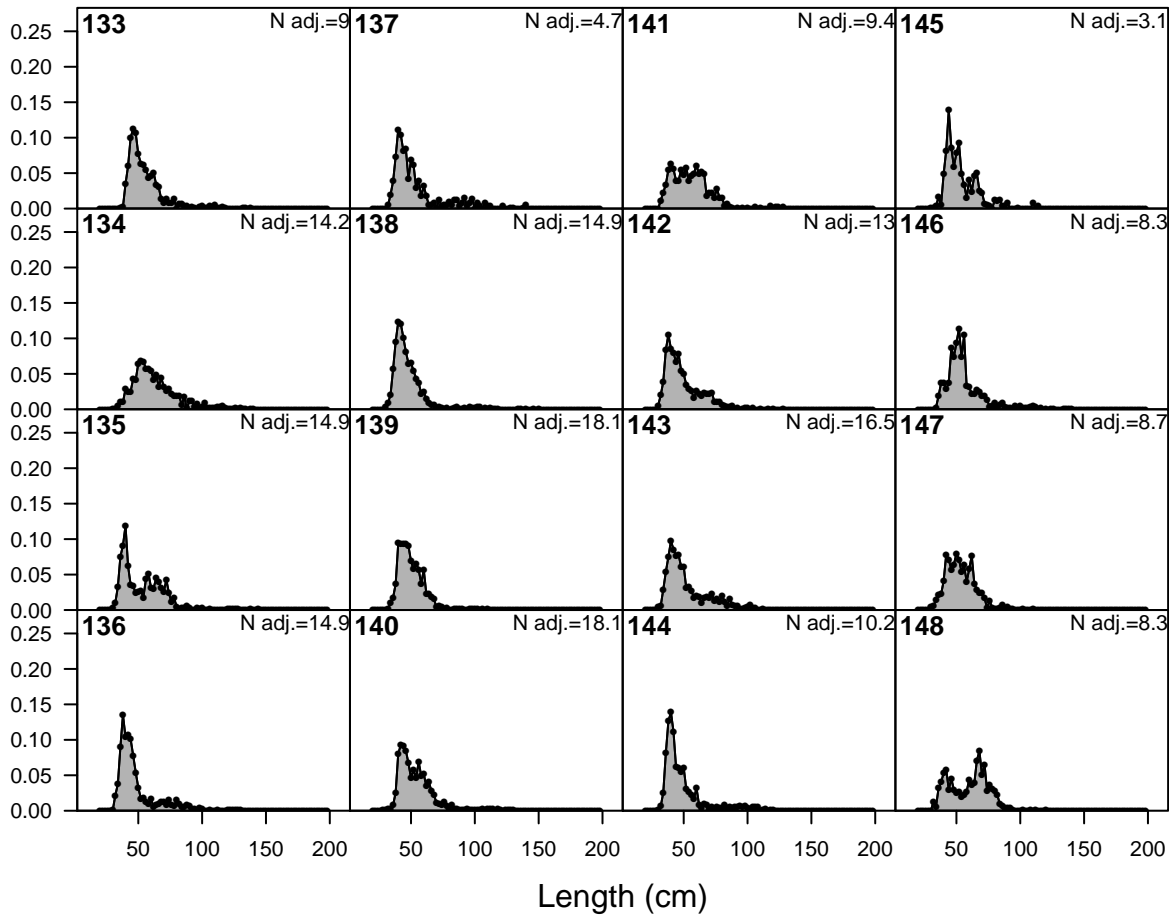
Proportion



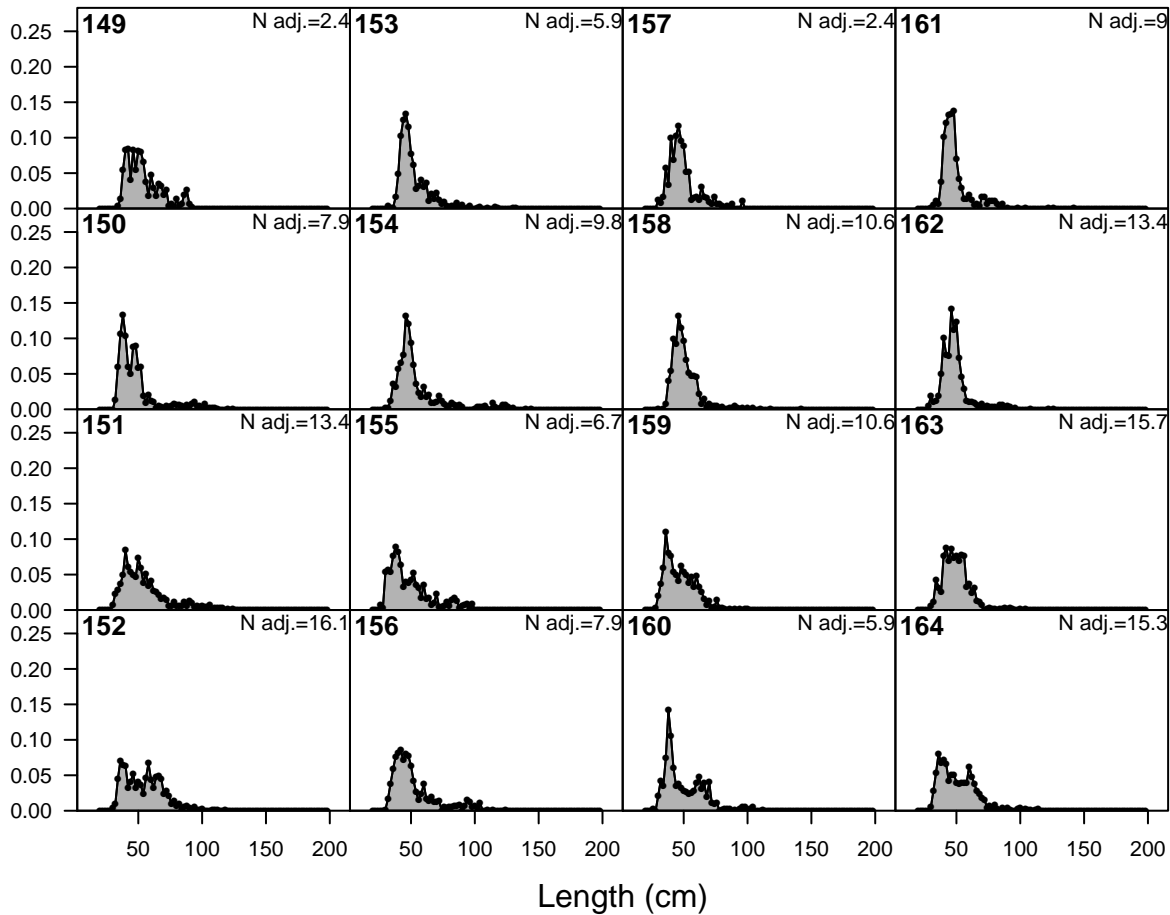
Proportion



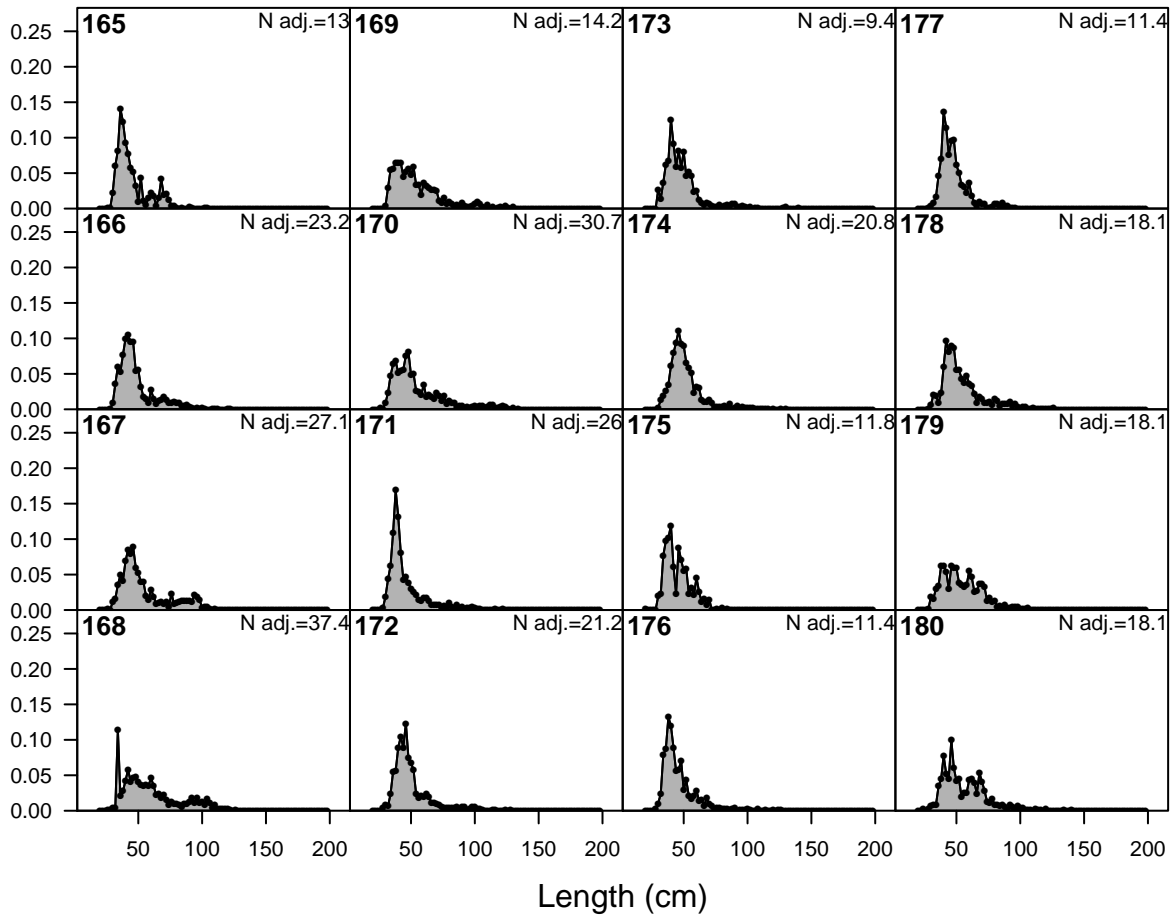
Proportion



Proportion



Proportion



Length (cm)

200

150

100

50

◦ 0.01 ○ 0.2

101

108

115

122

129

136

143

150

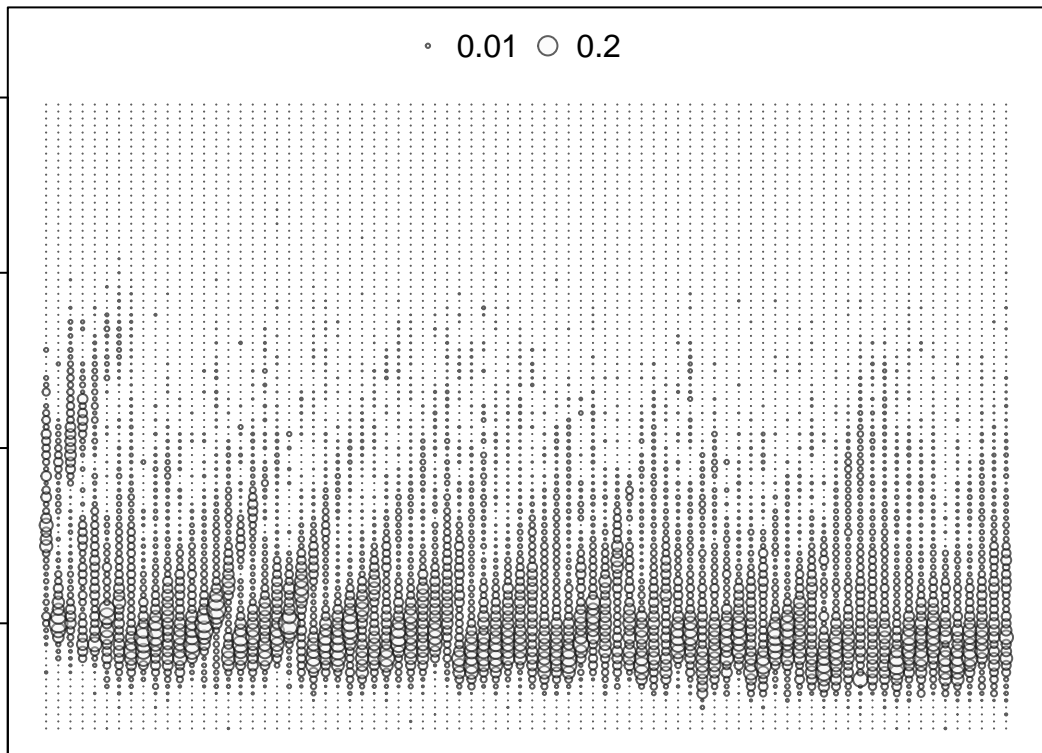
157

164

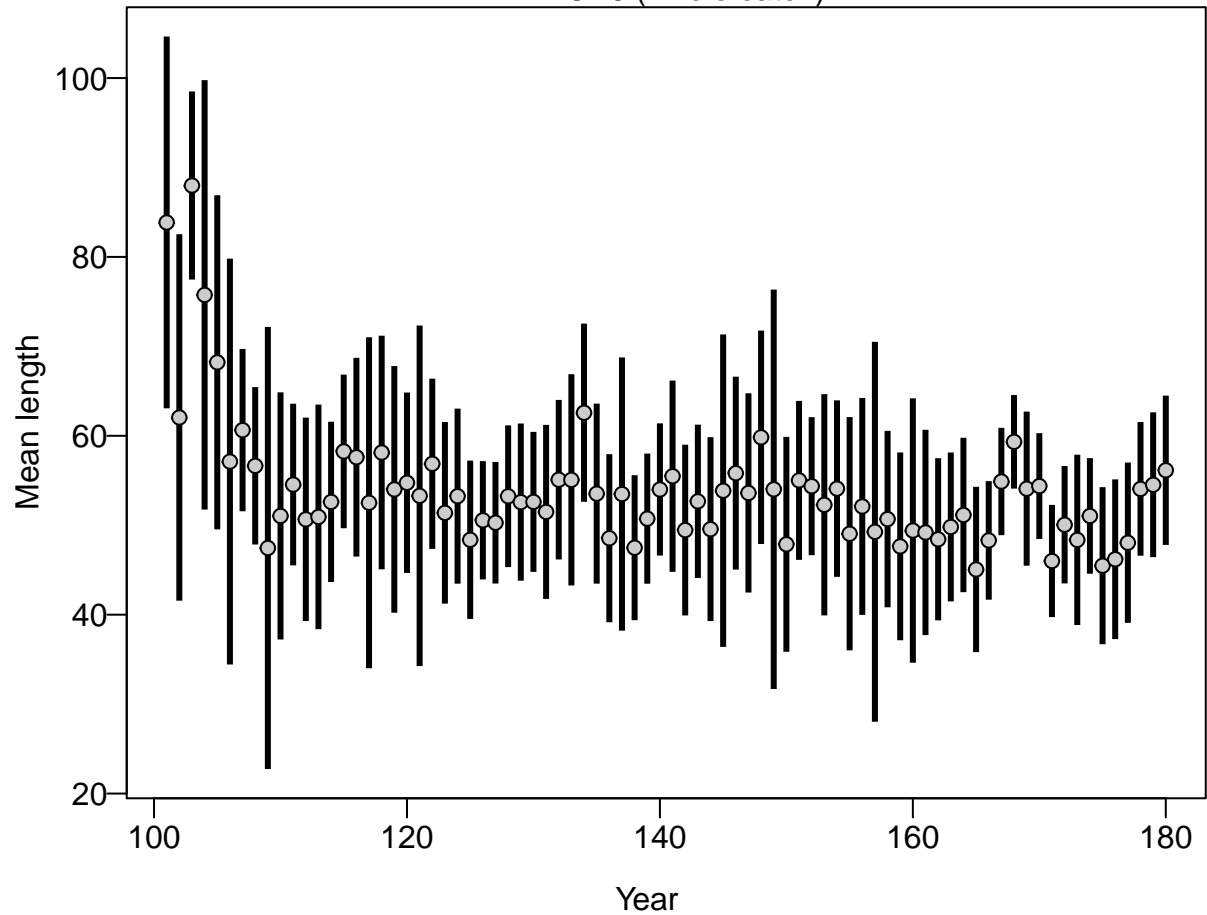
171

178

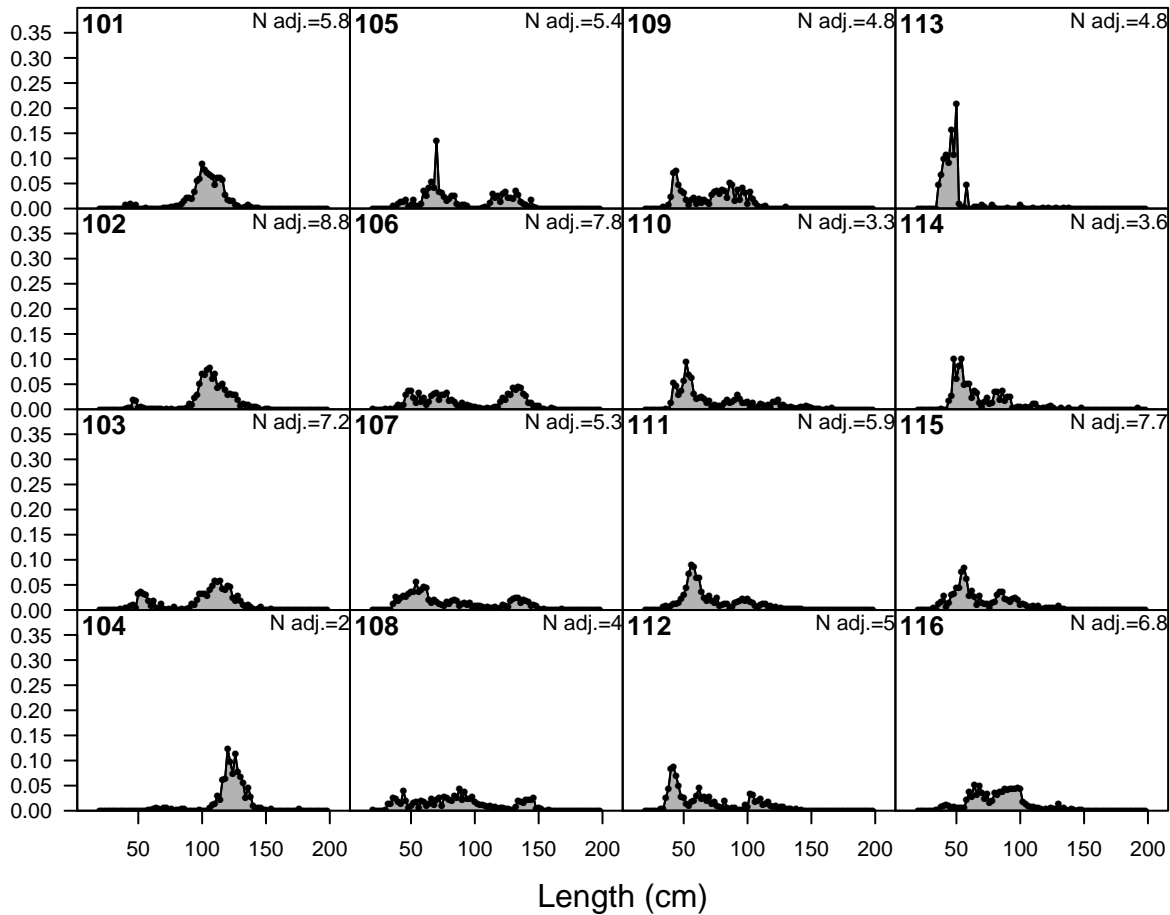
Year



## A2-OBJ (whole catch)

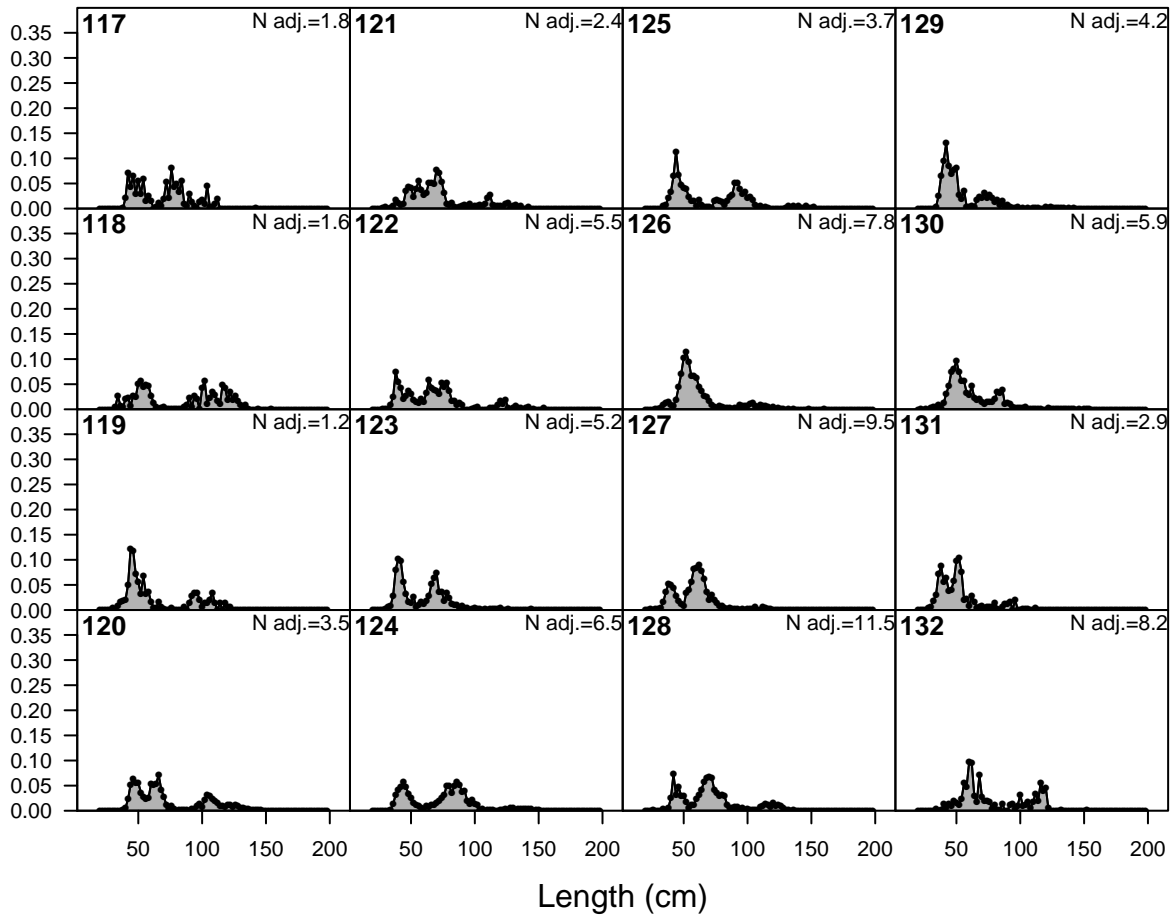


Proportion

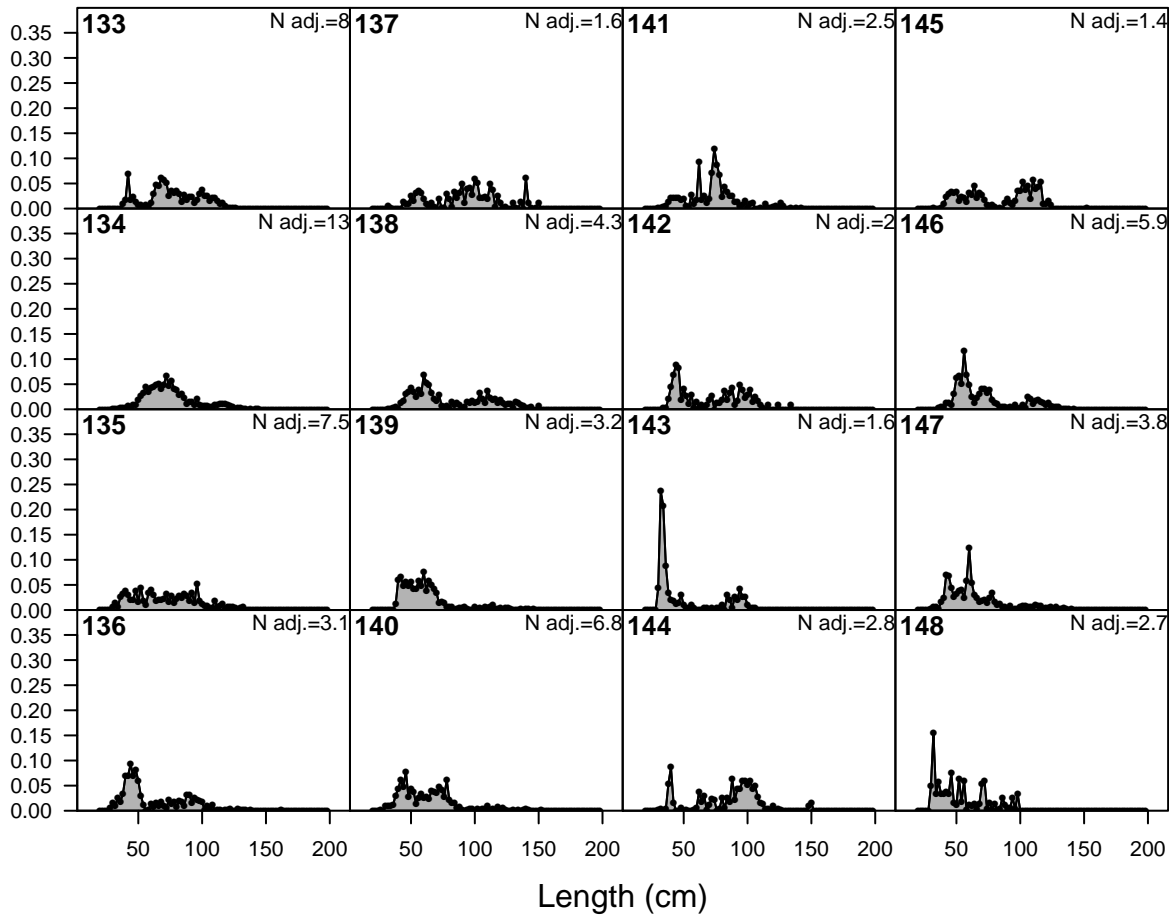




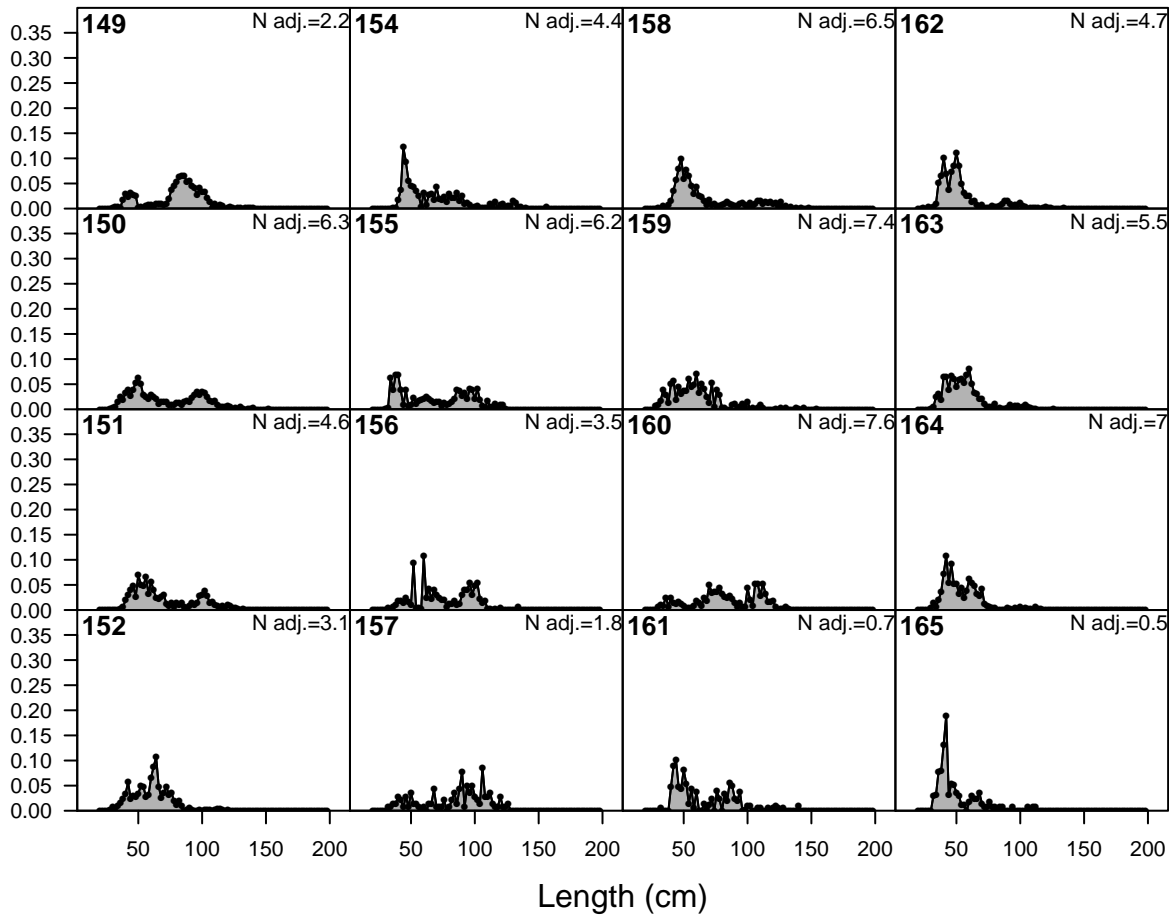
Proportion



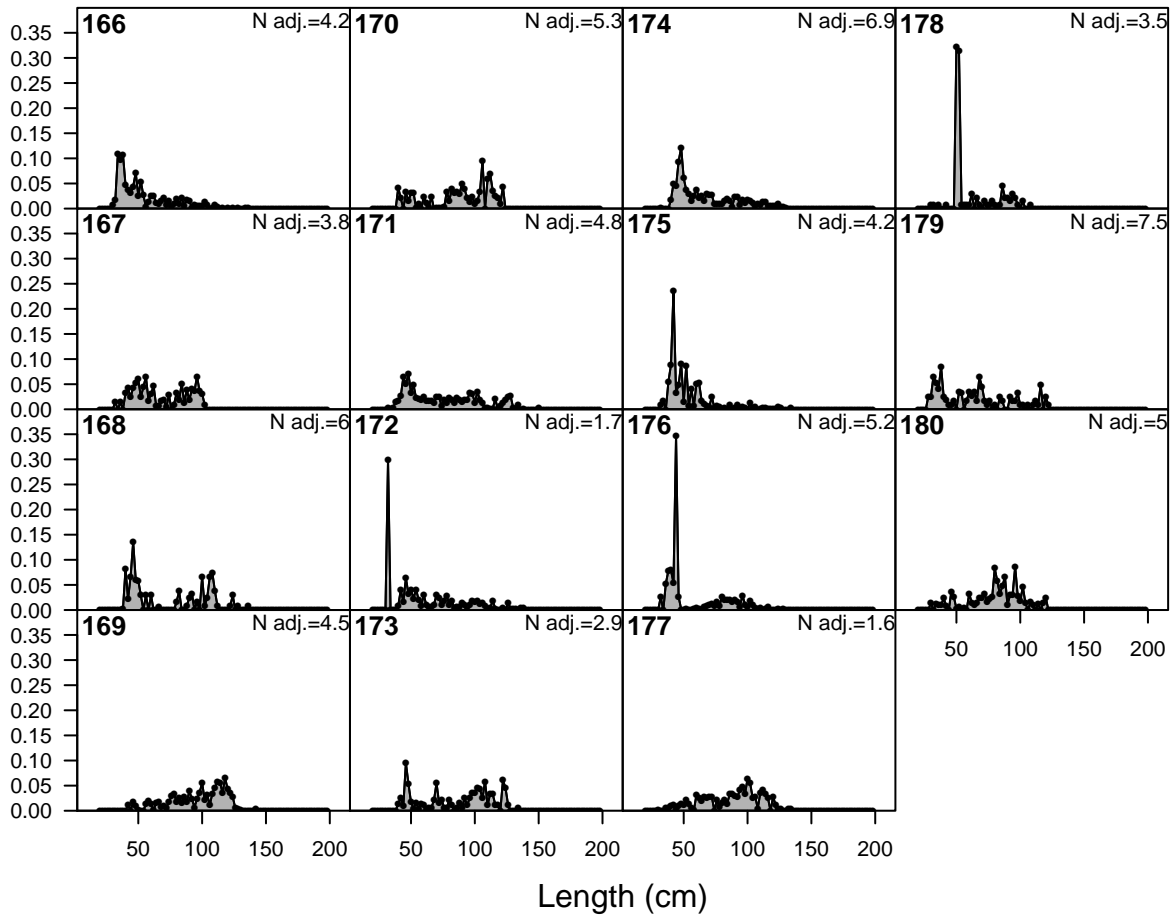
Proportion

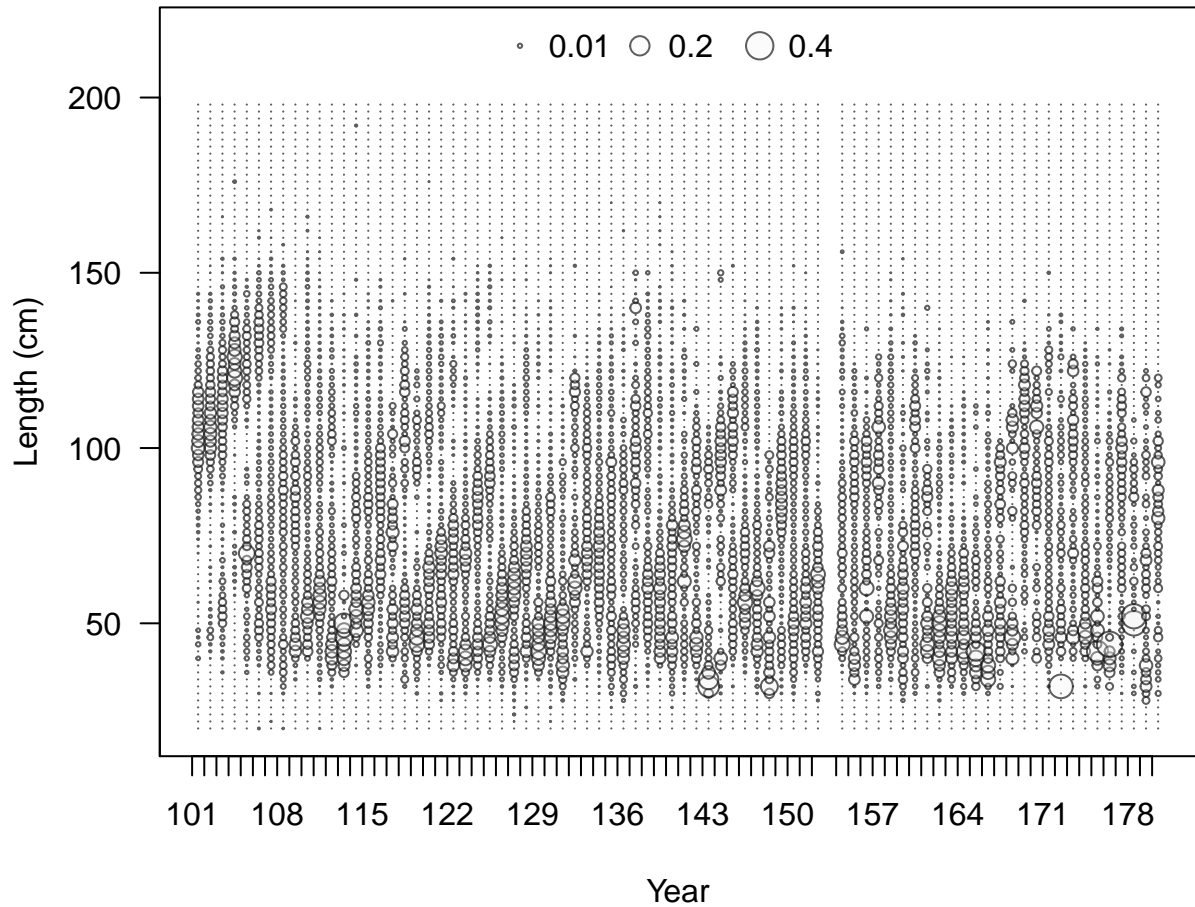


Proportion

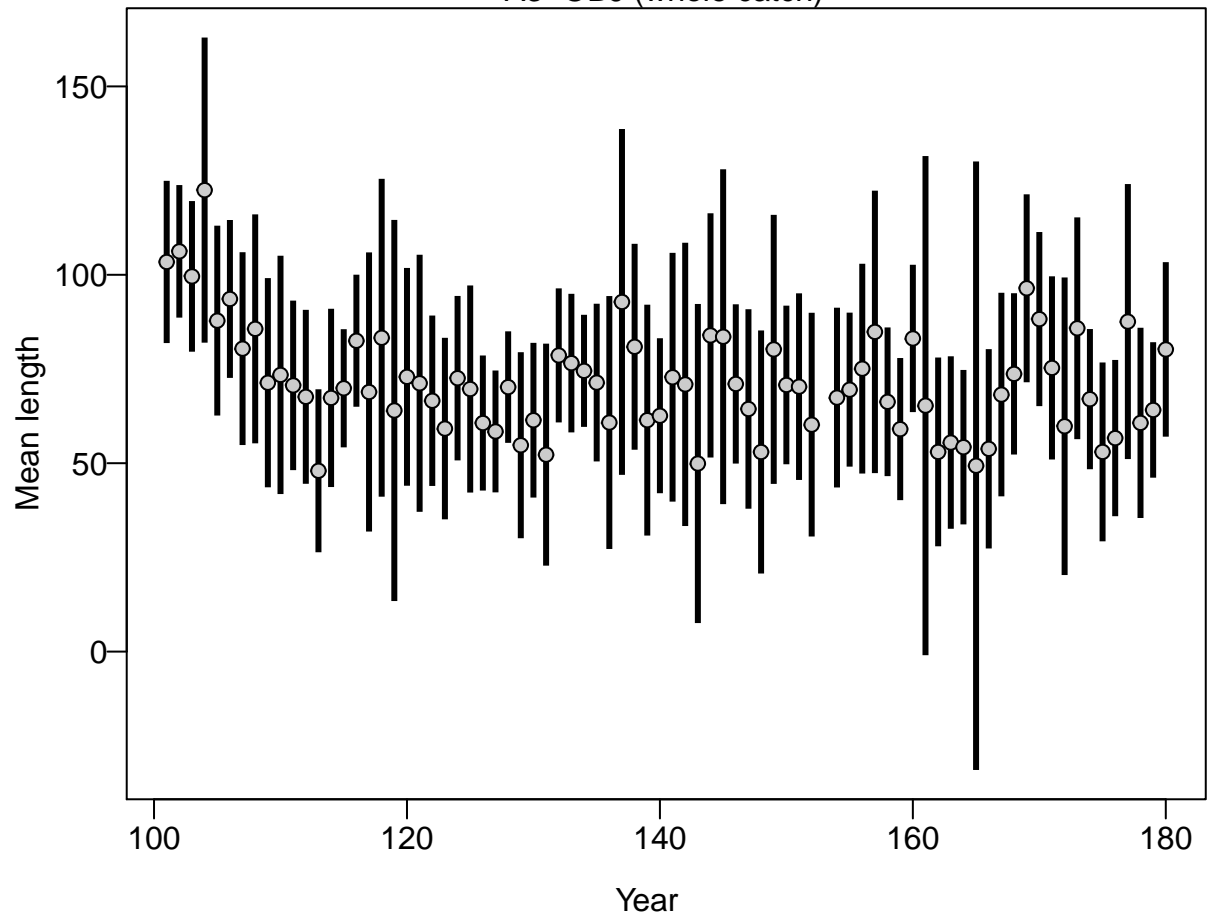


Proportion

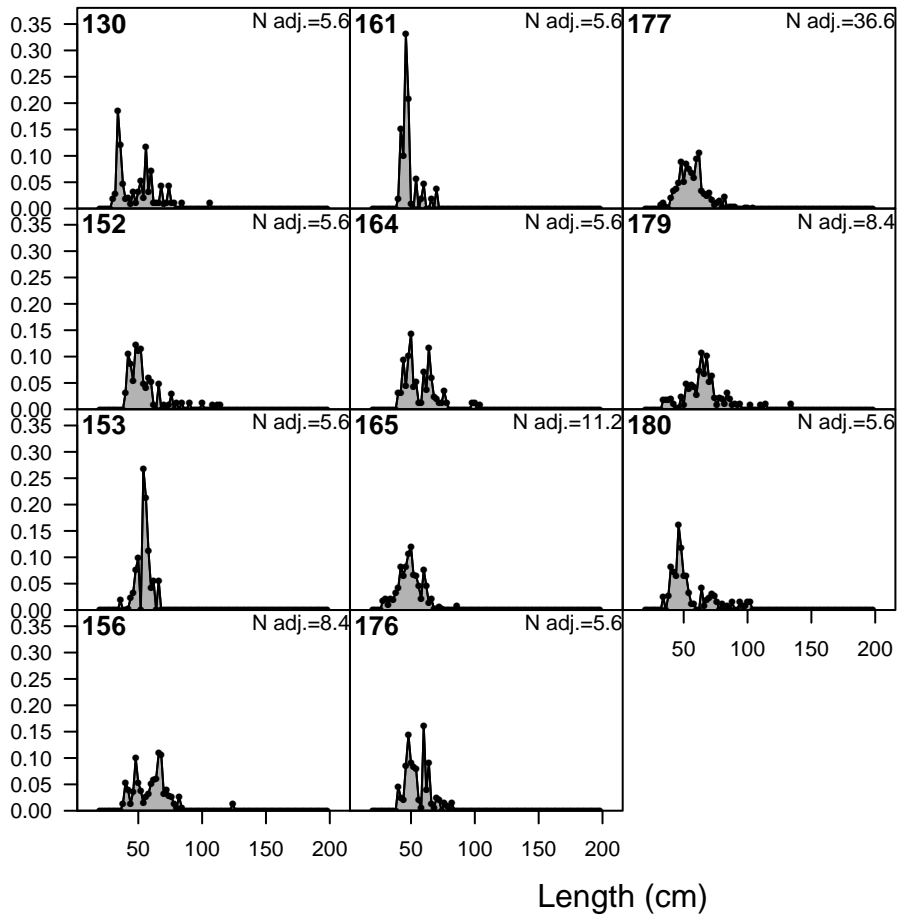


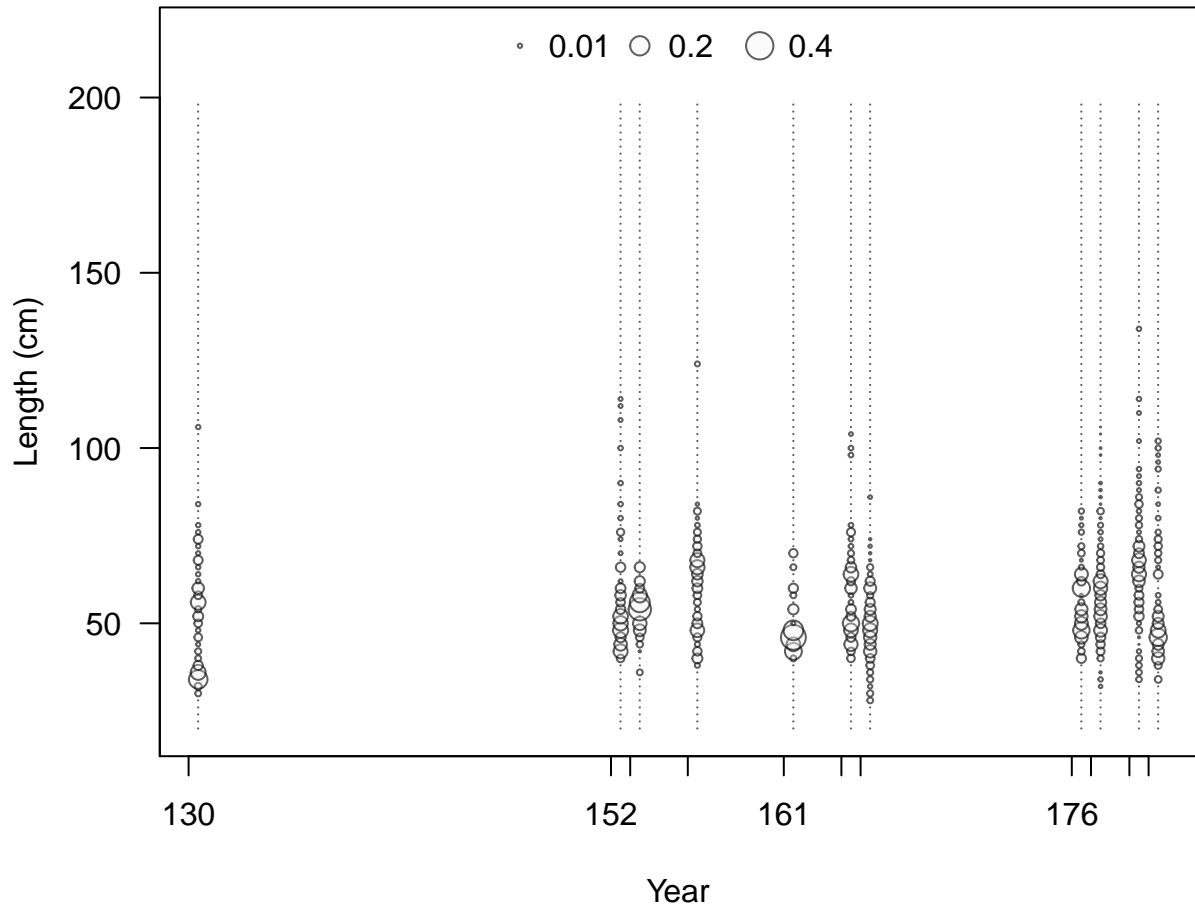


## A3-OBJ (whole catch)



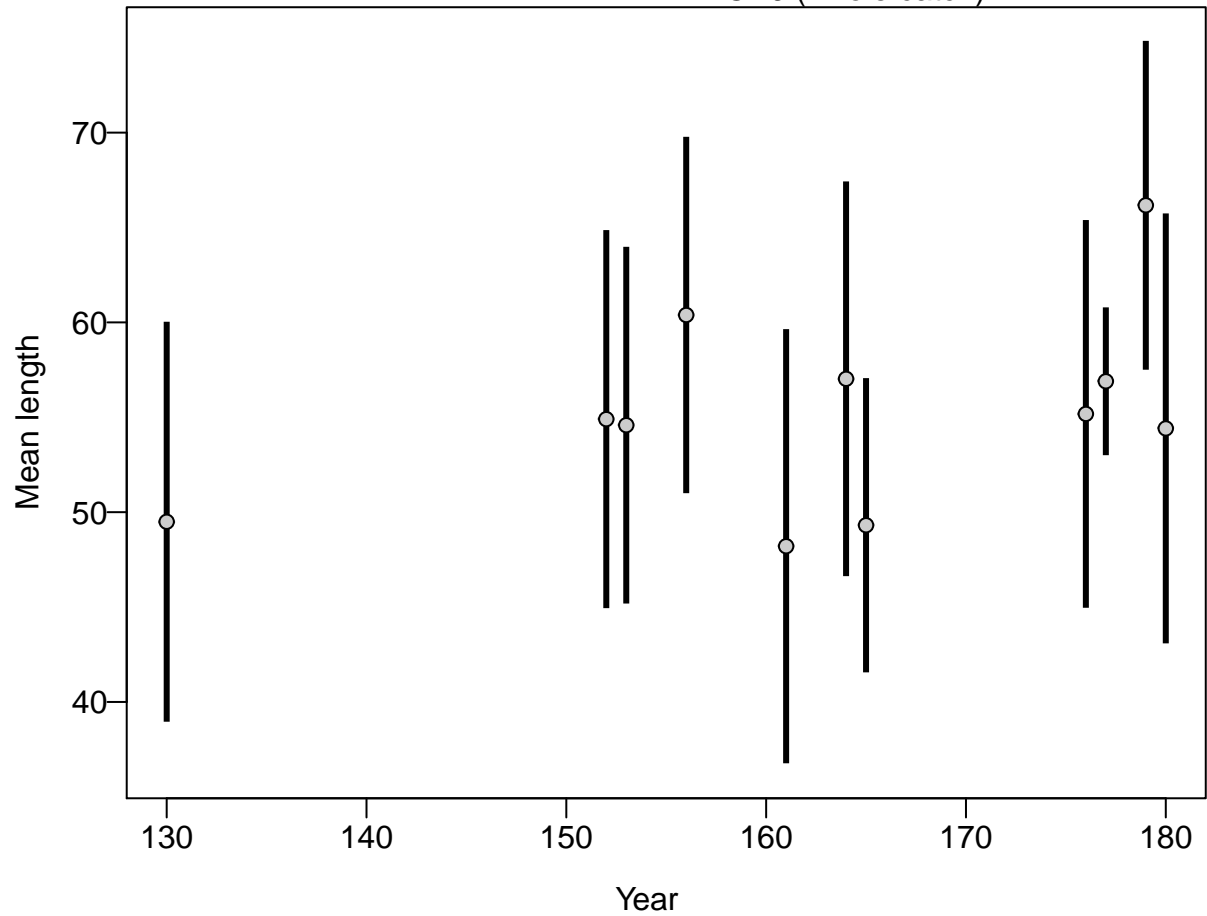
Proportion



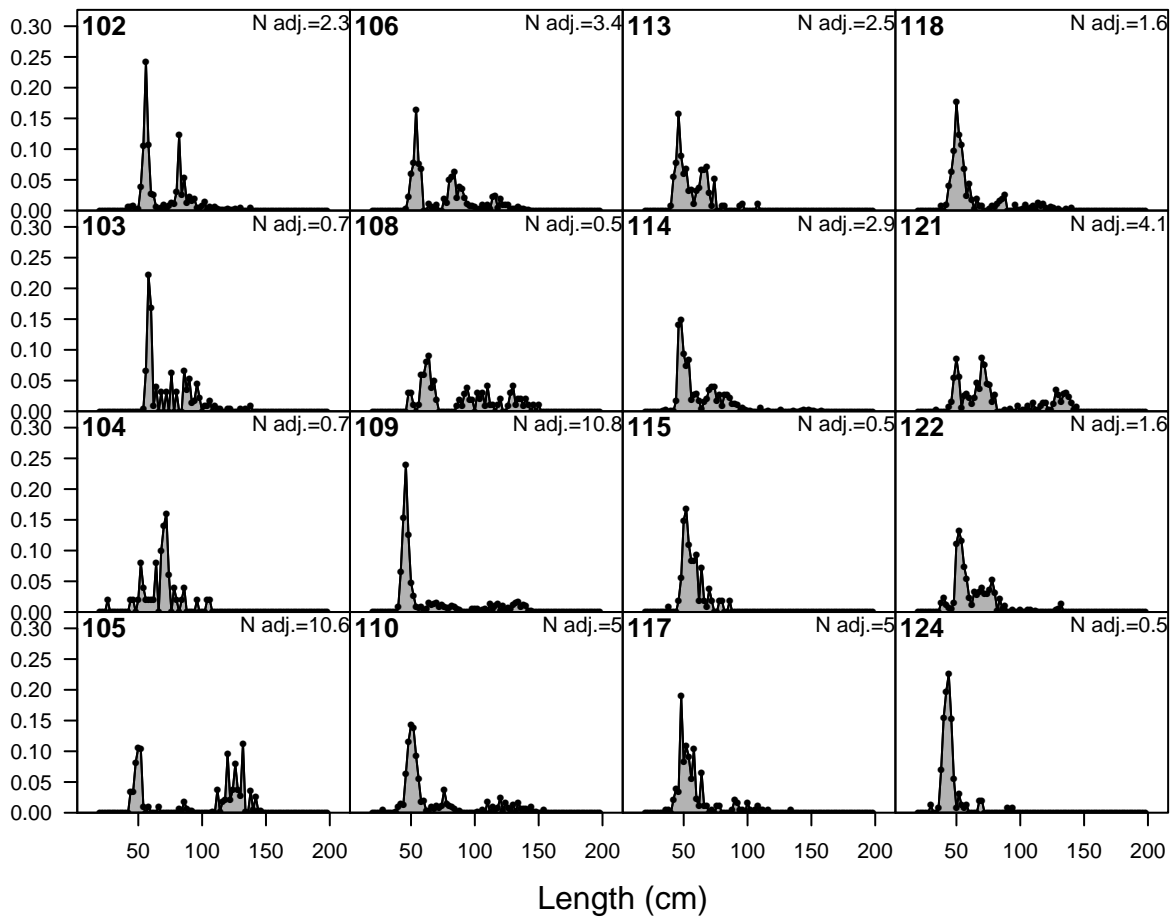




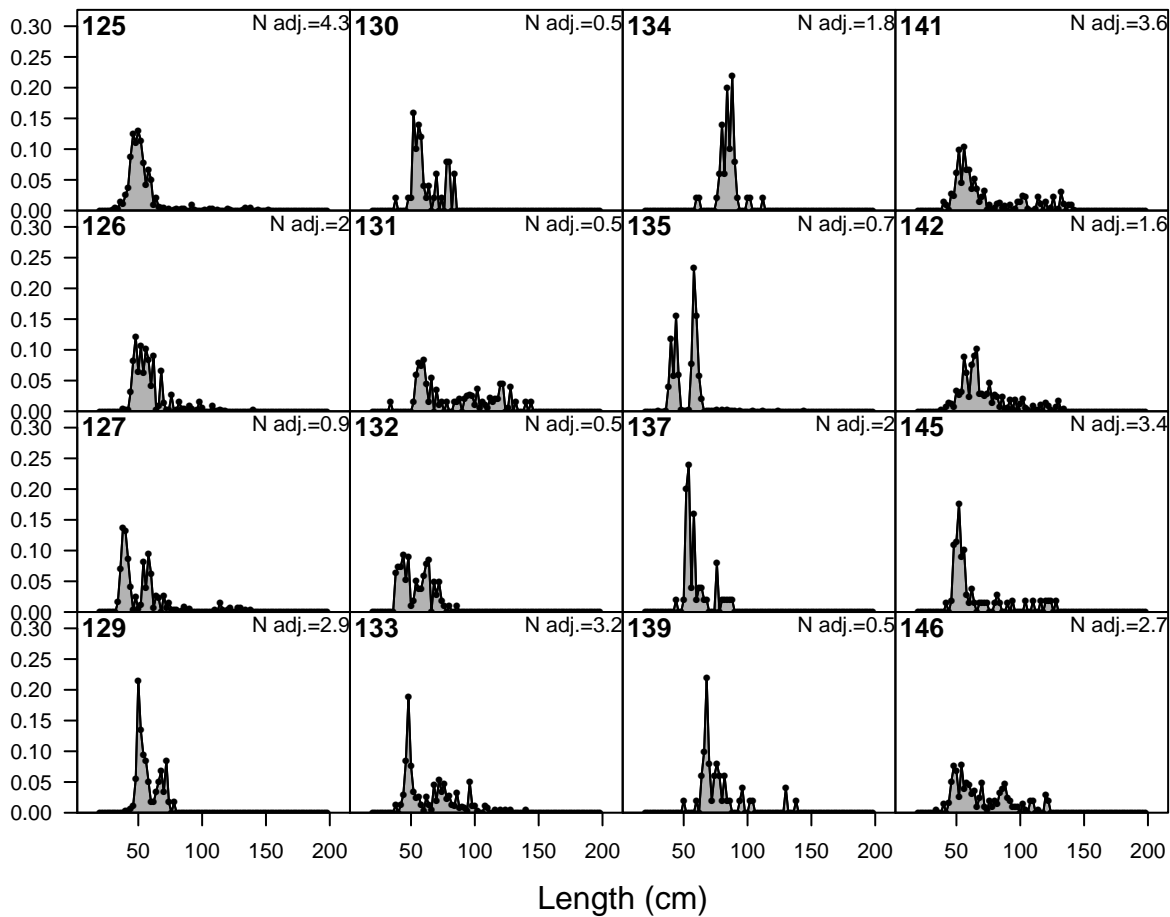
## A4-OBJ (whole catch)



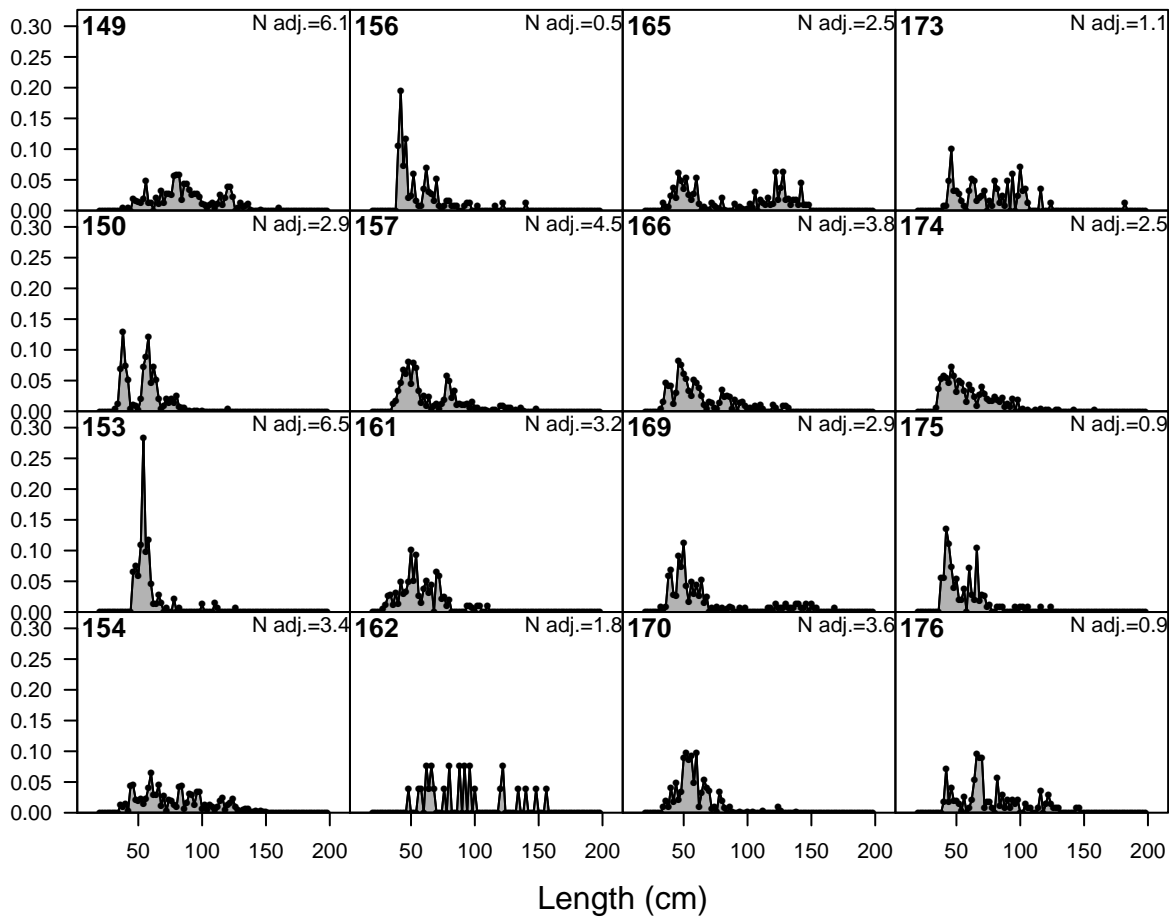
Proportion



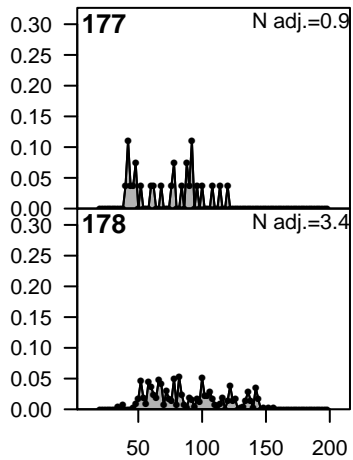
Proportion



Proportion



Proportion



Length (cm)

Length (cm)

200

150

100

50

◦ 0.01 ○ 0.2

102

109

117

124

131

139

146

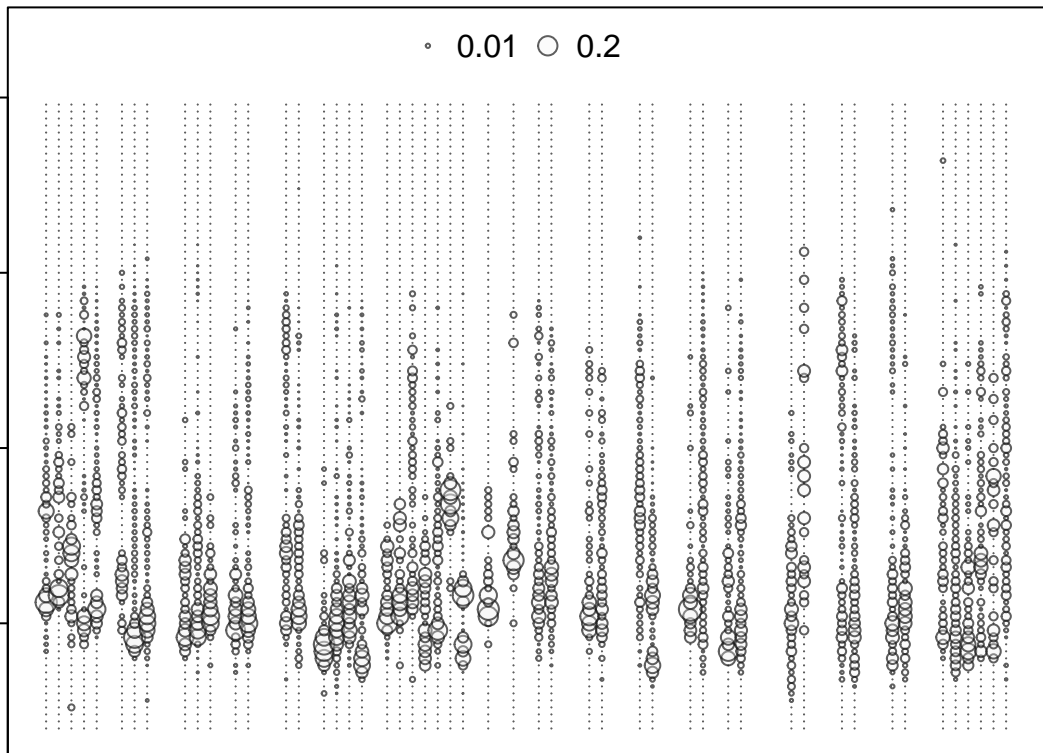
153

161

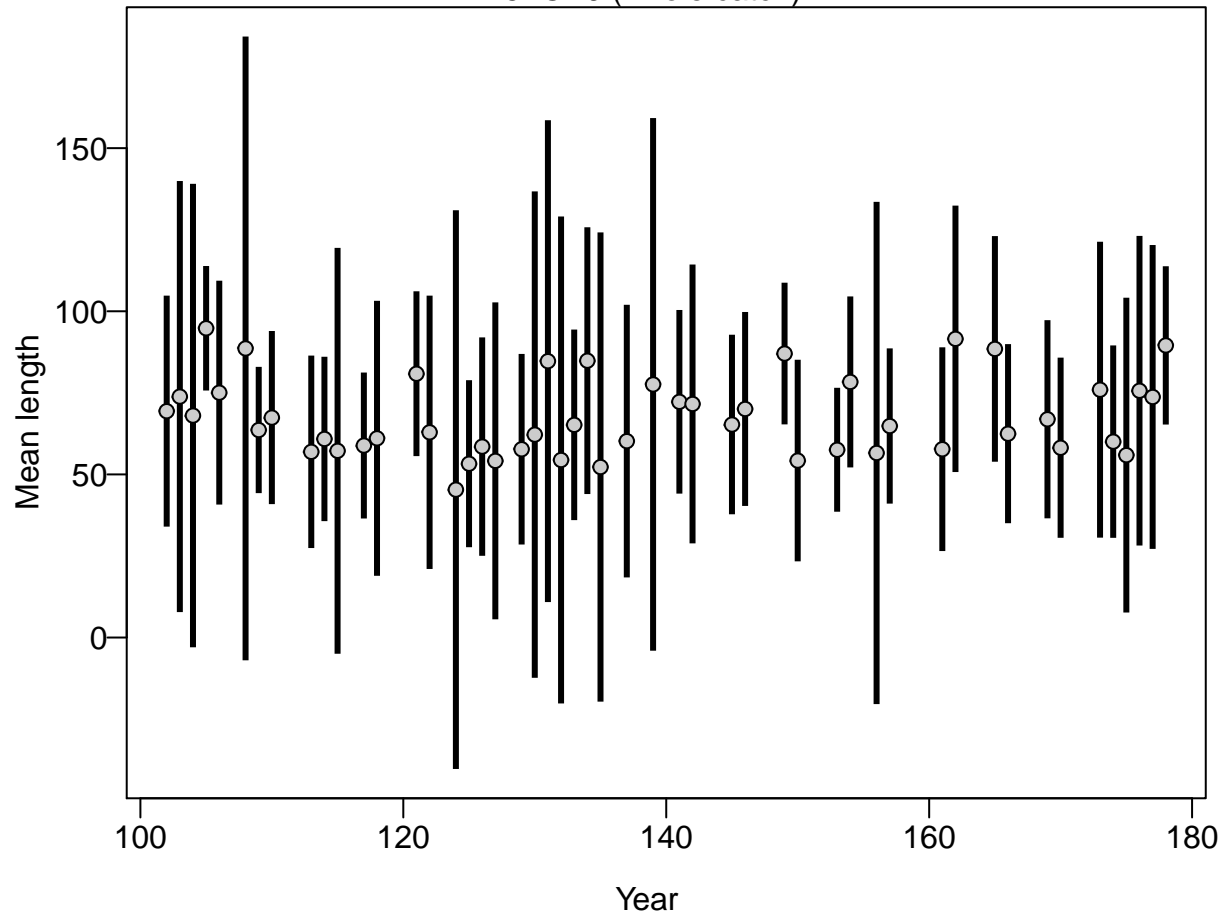
169

176

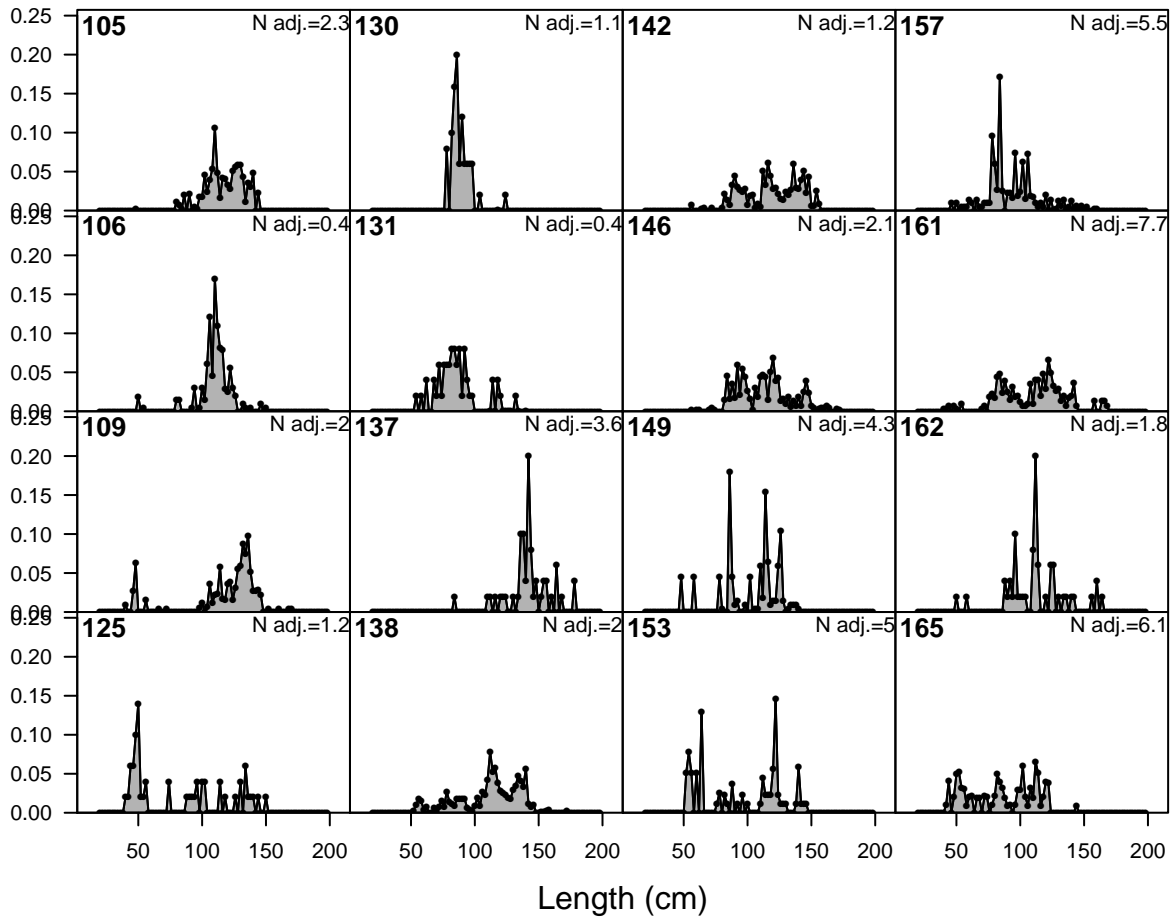
Year



## A5-OBJ (whole catch)

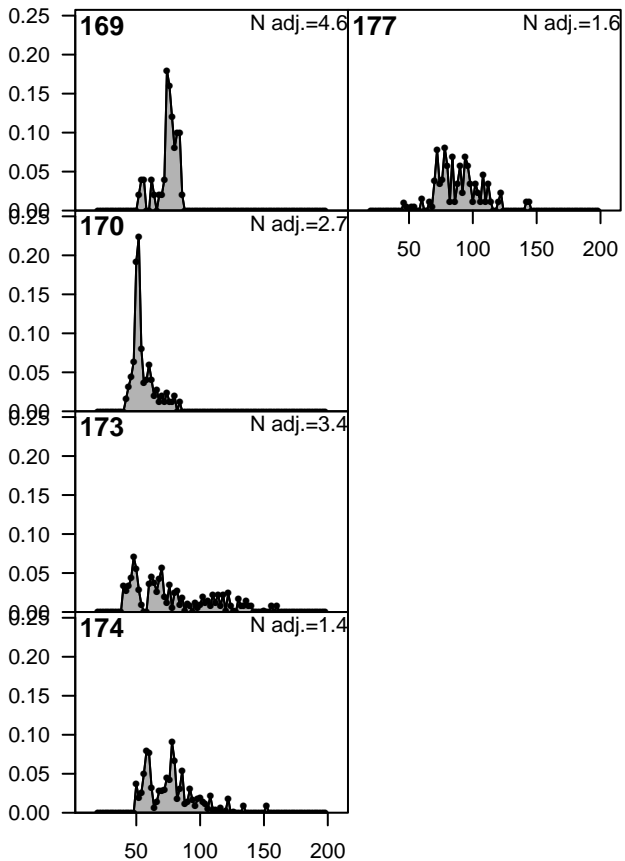


Proportion

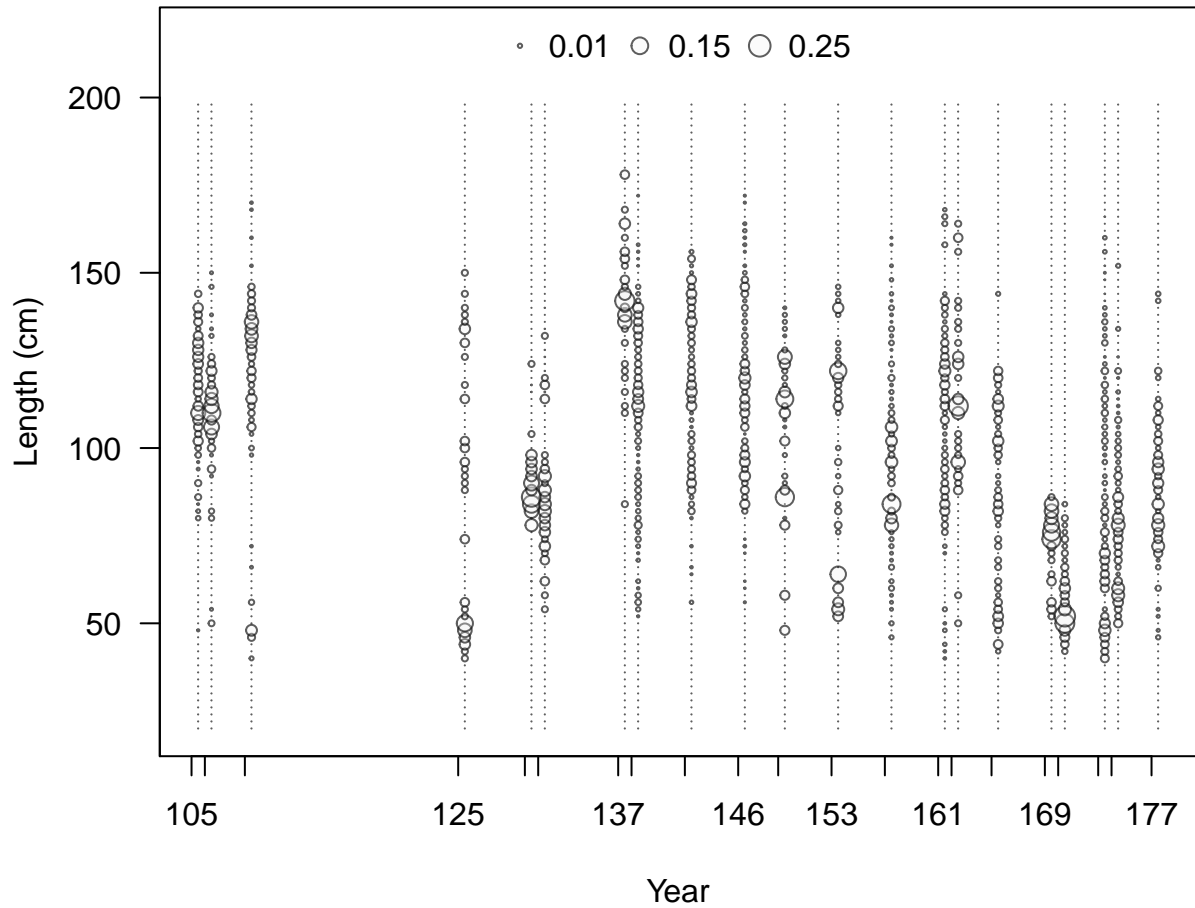




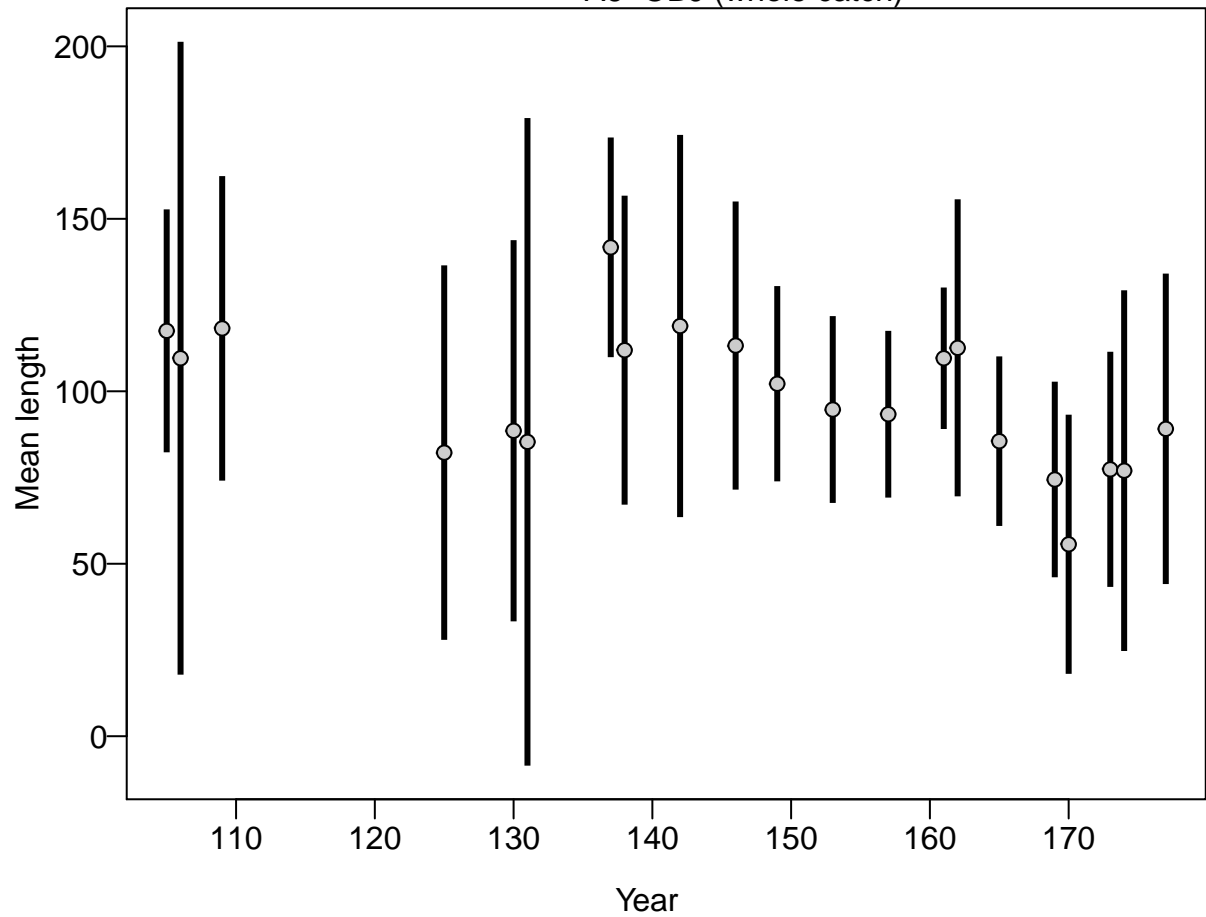
Proportion

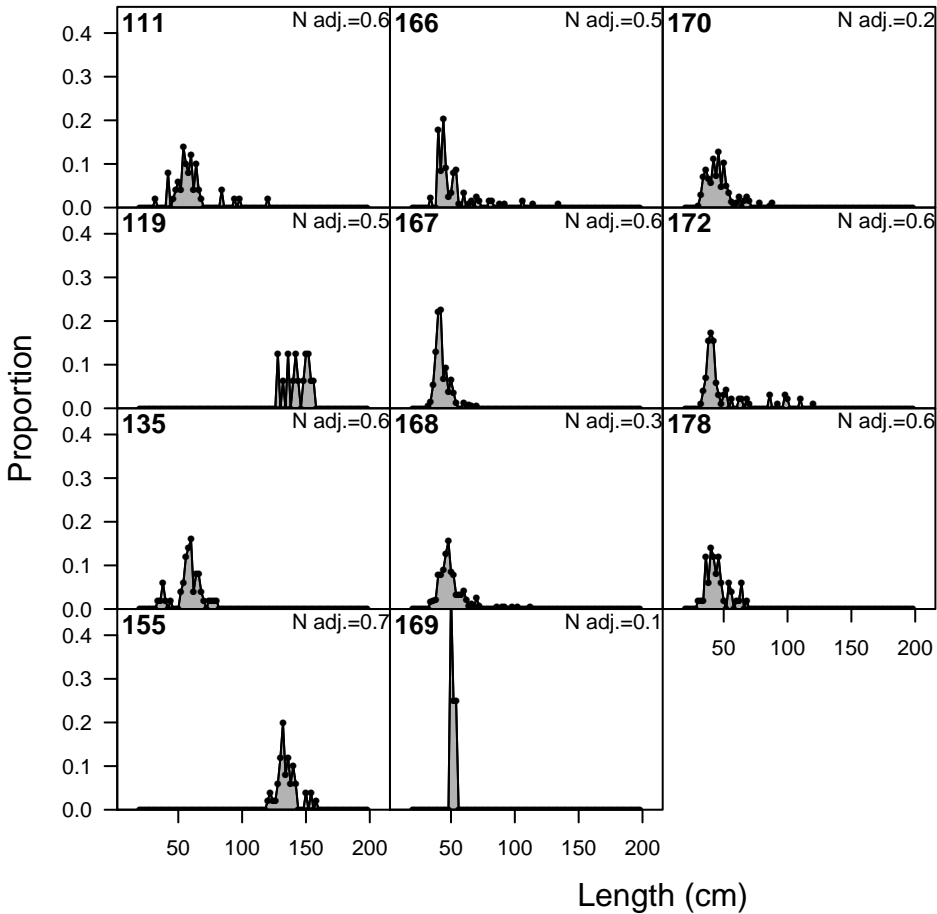


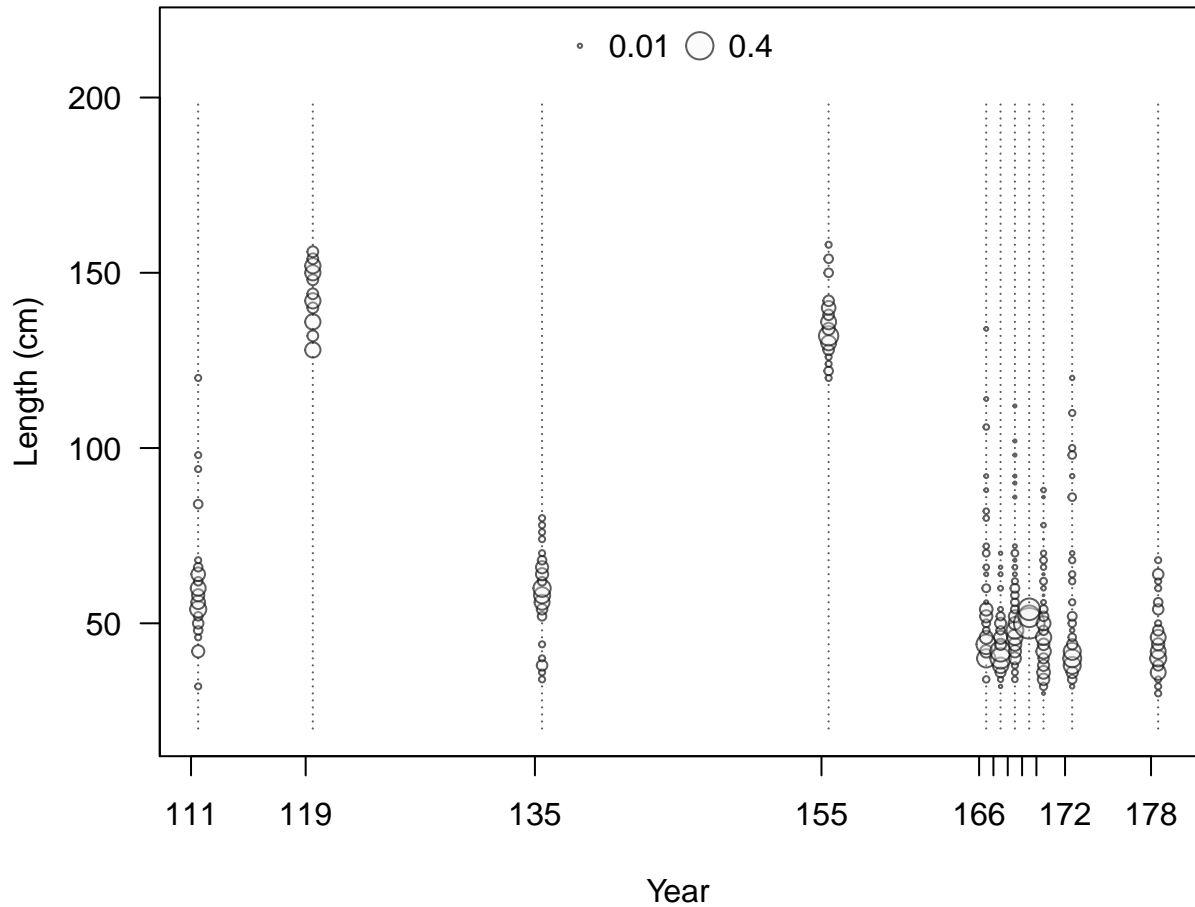
Length (cm)



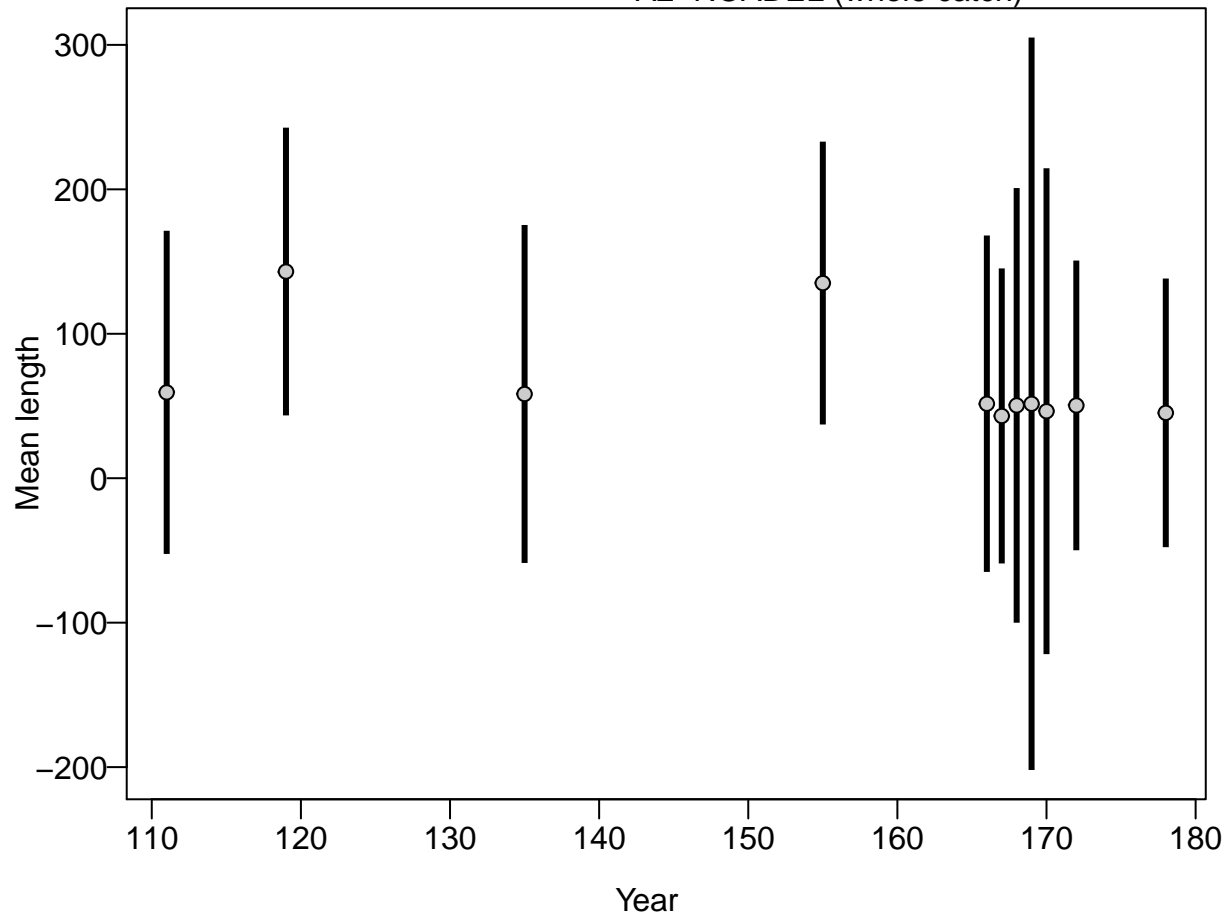
## A6-OBJ (whole catch)

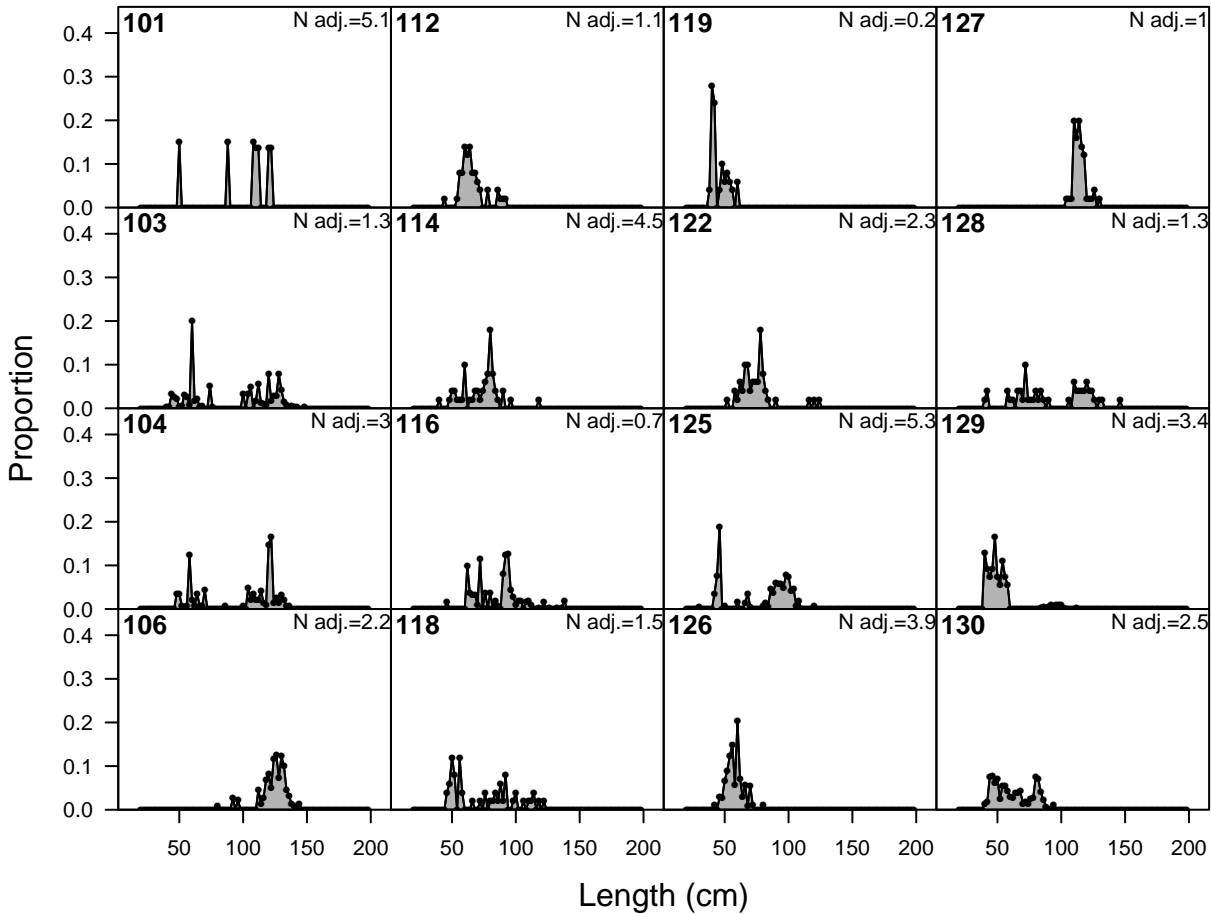


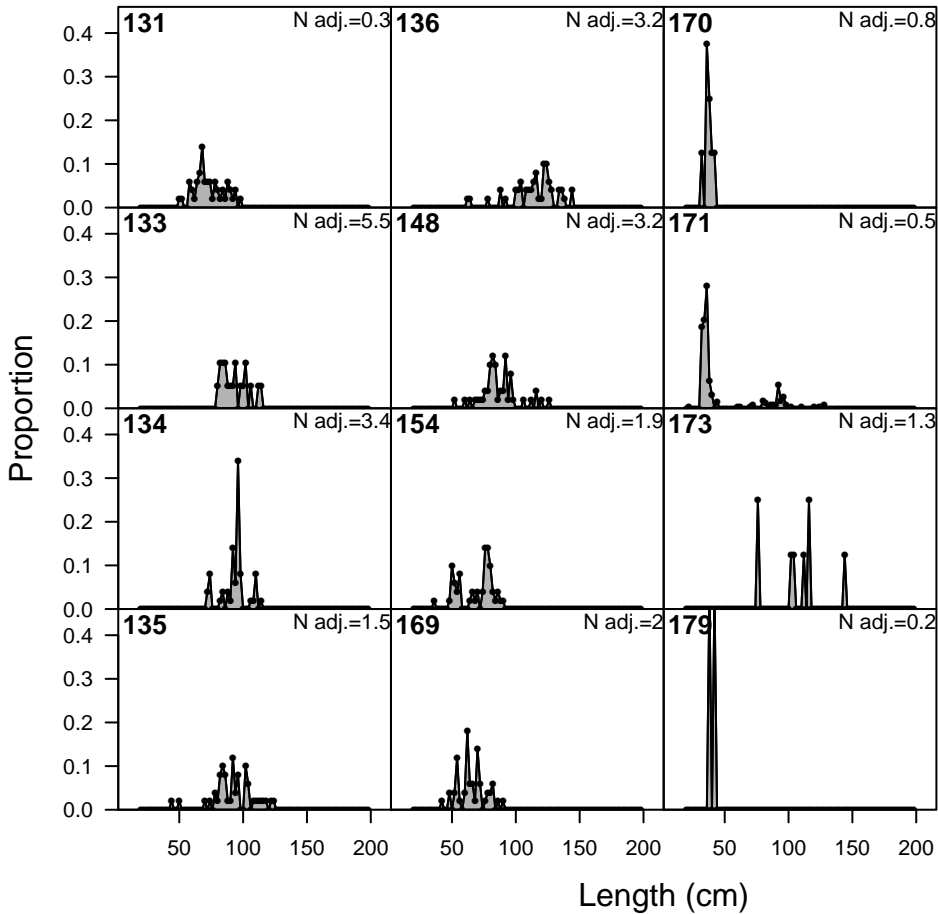




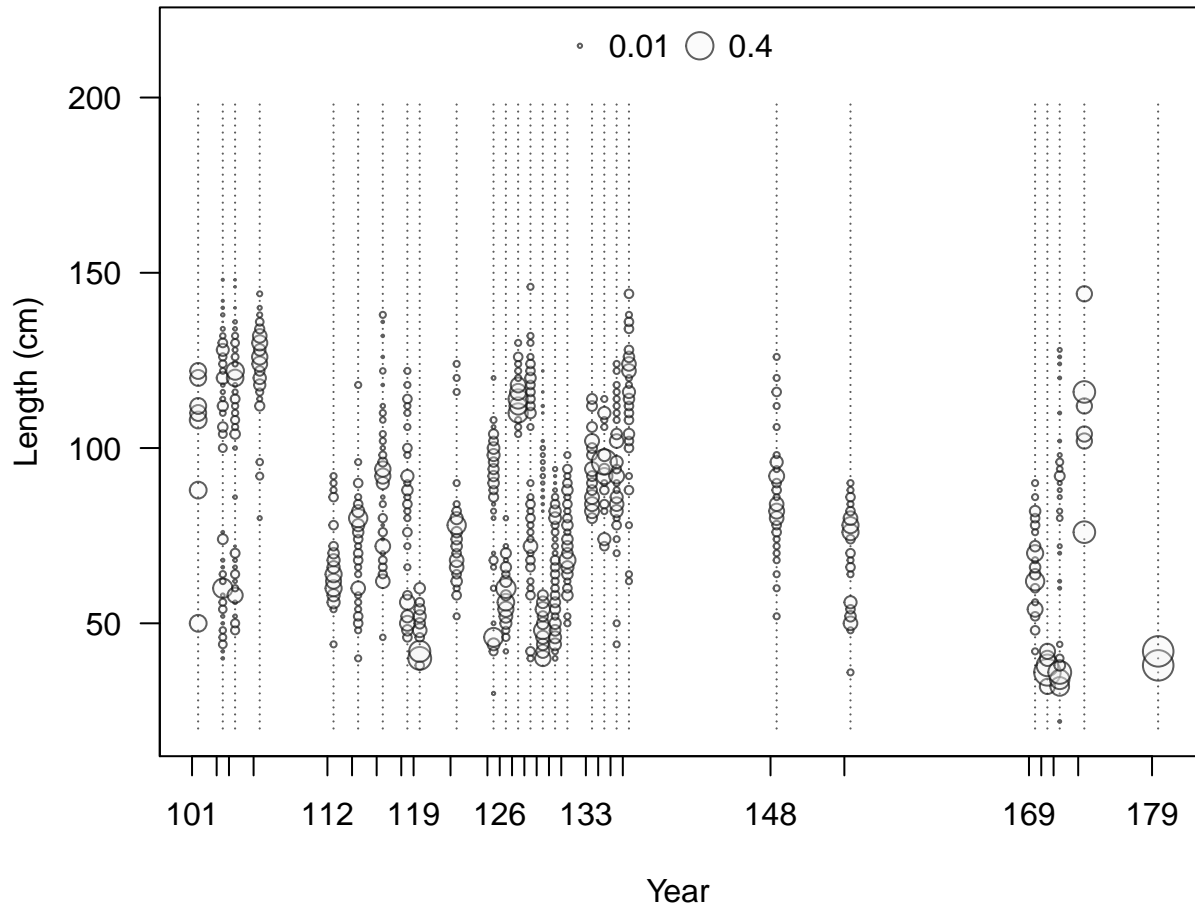
## A2-NOADEL (whole catch)



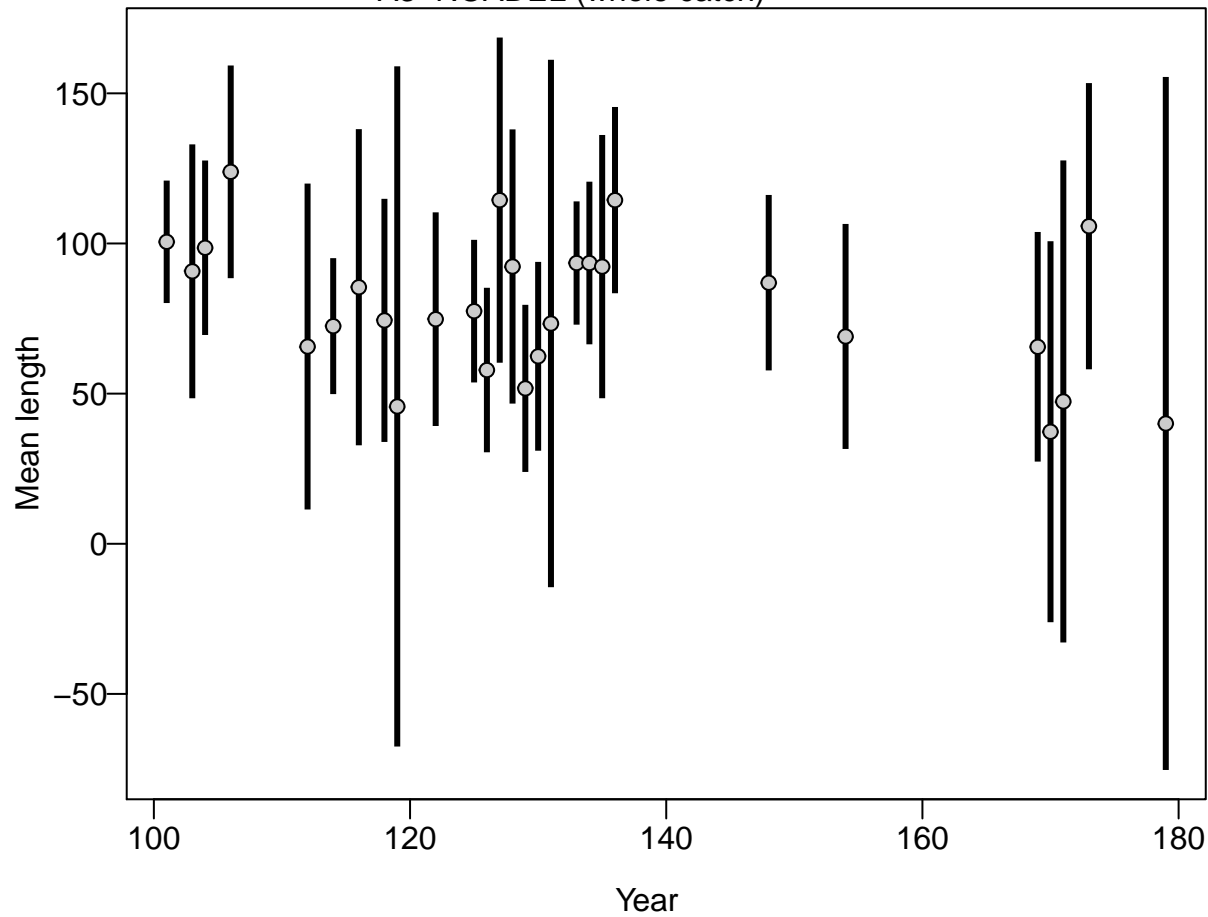


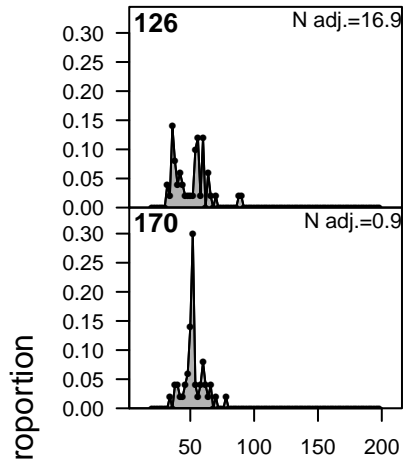




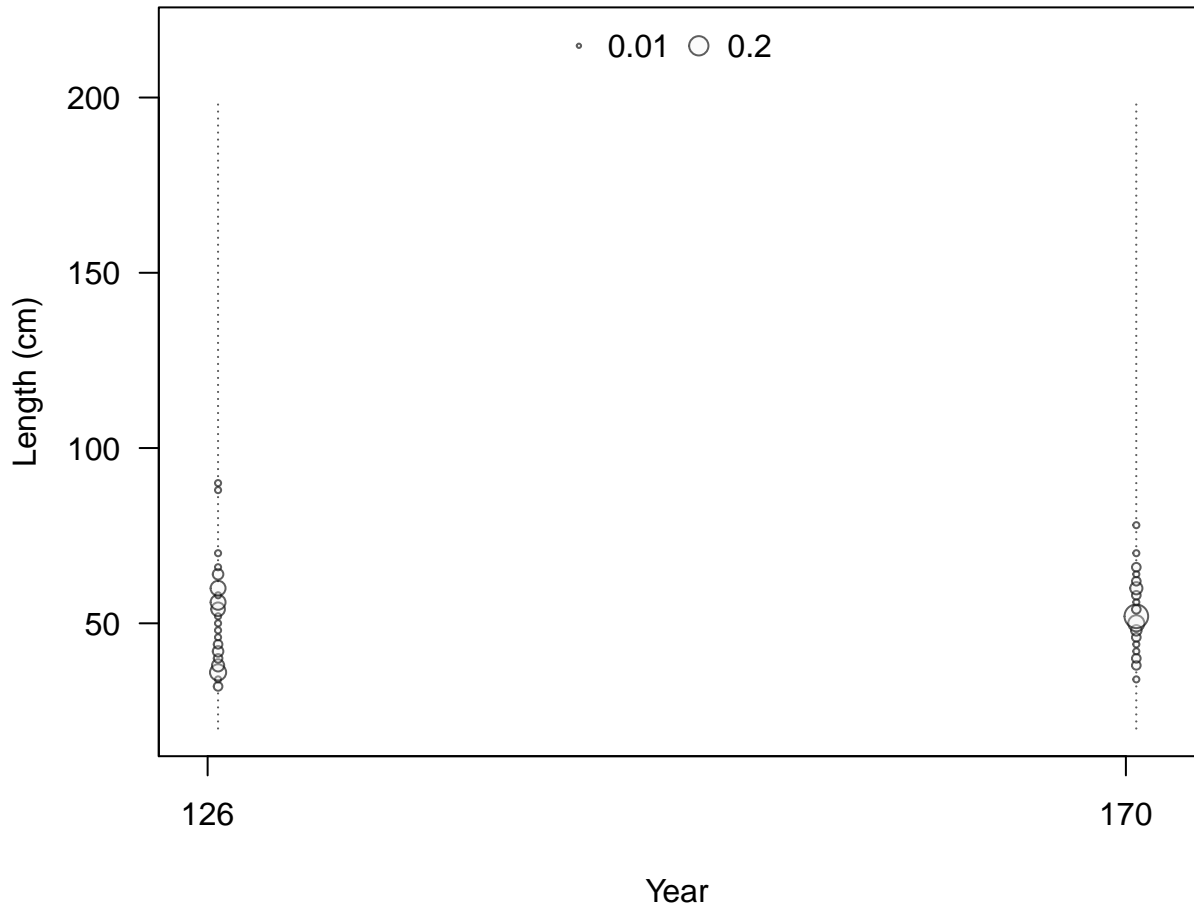


## A3-NOADEL (whole catch)

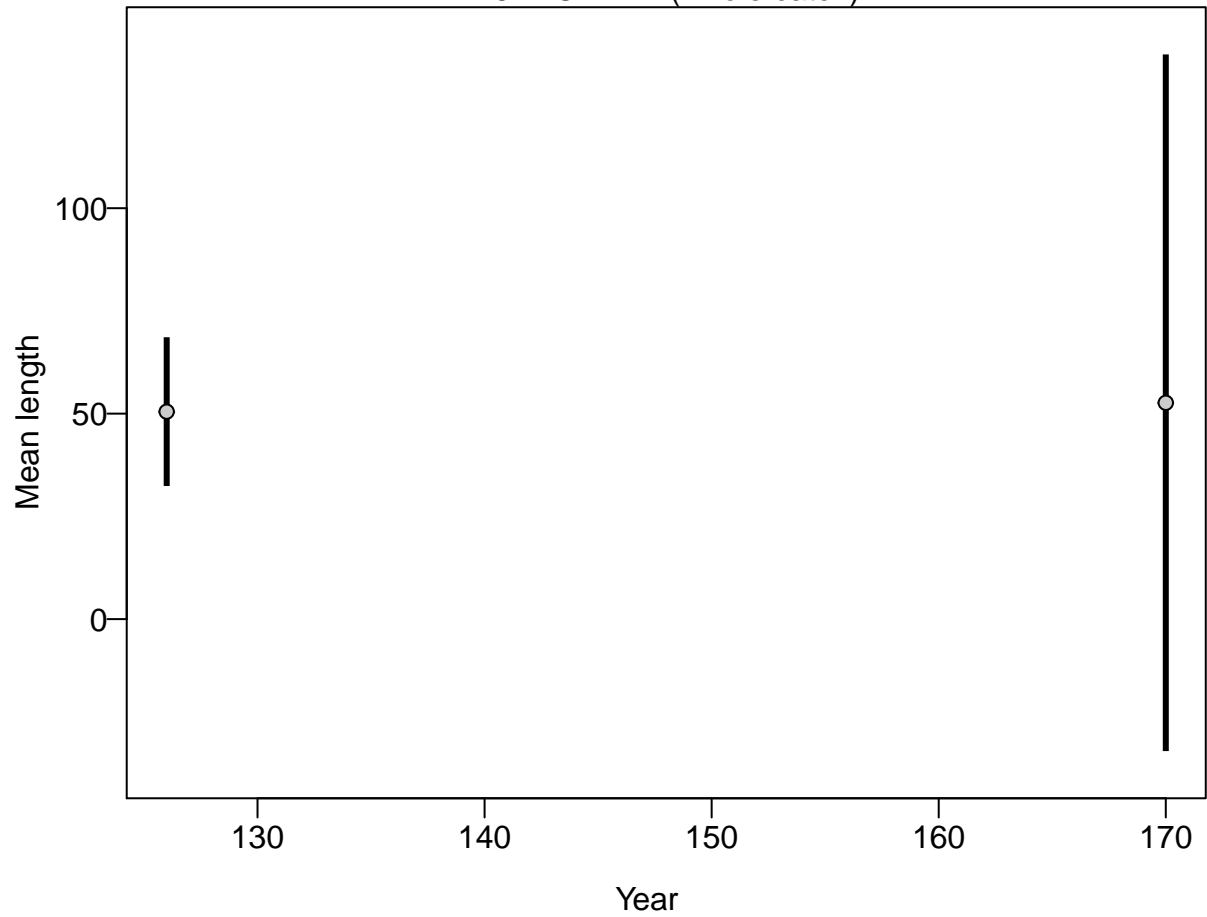




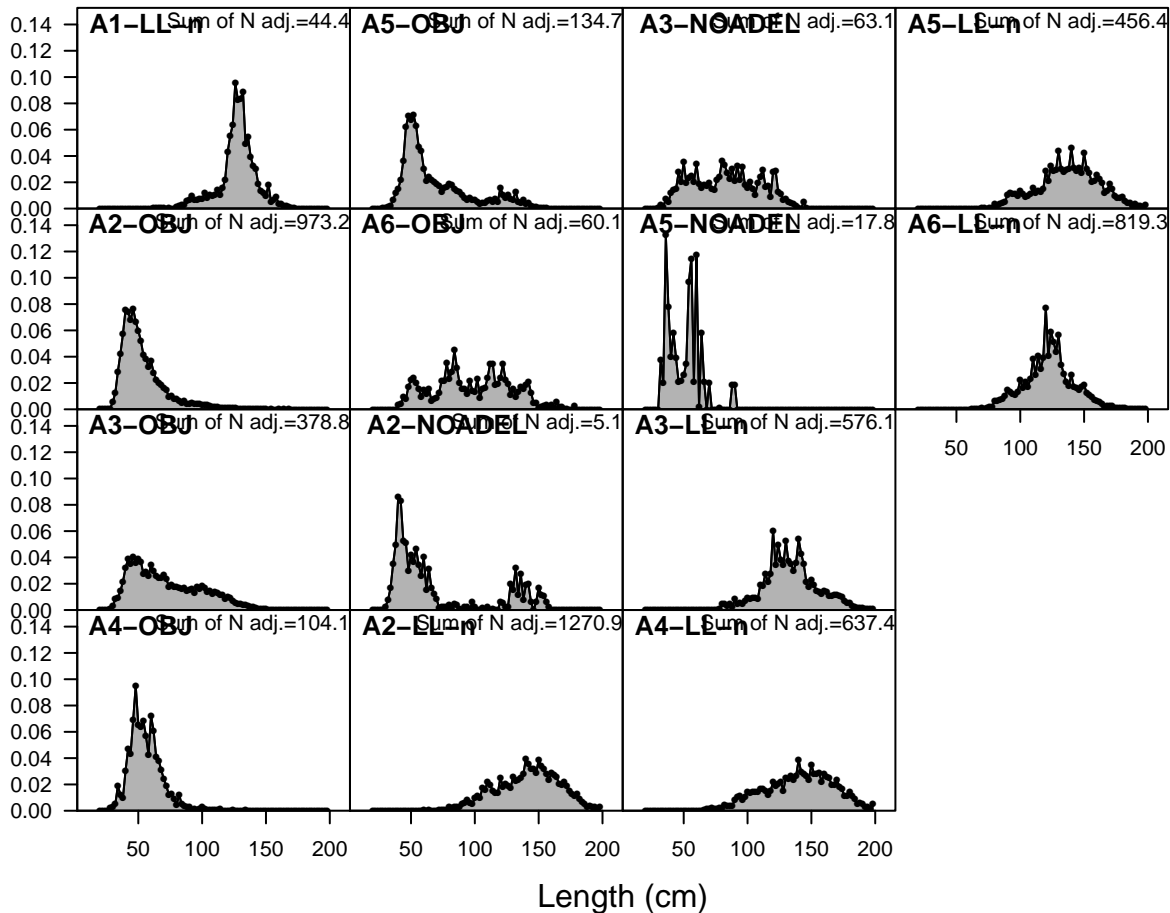
Length (cm)

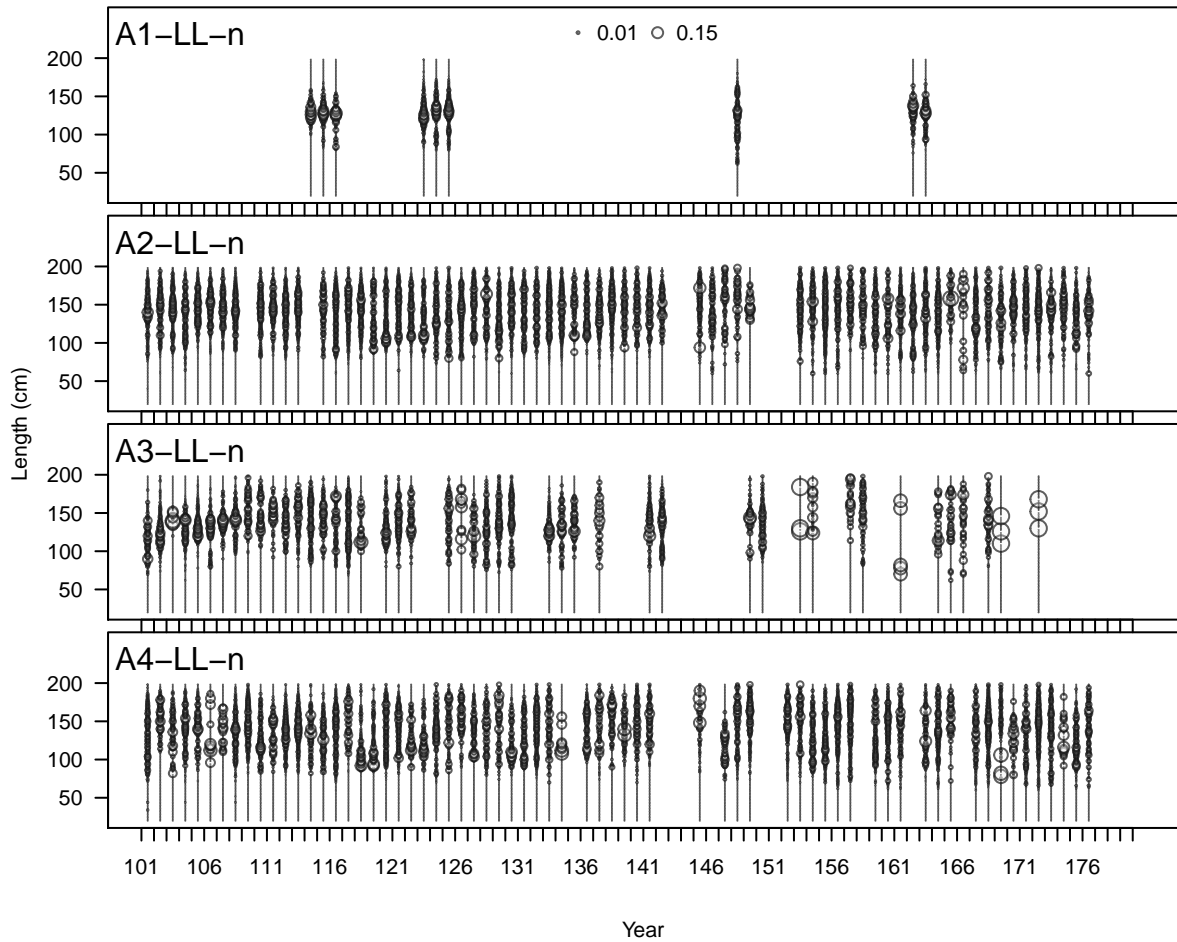


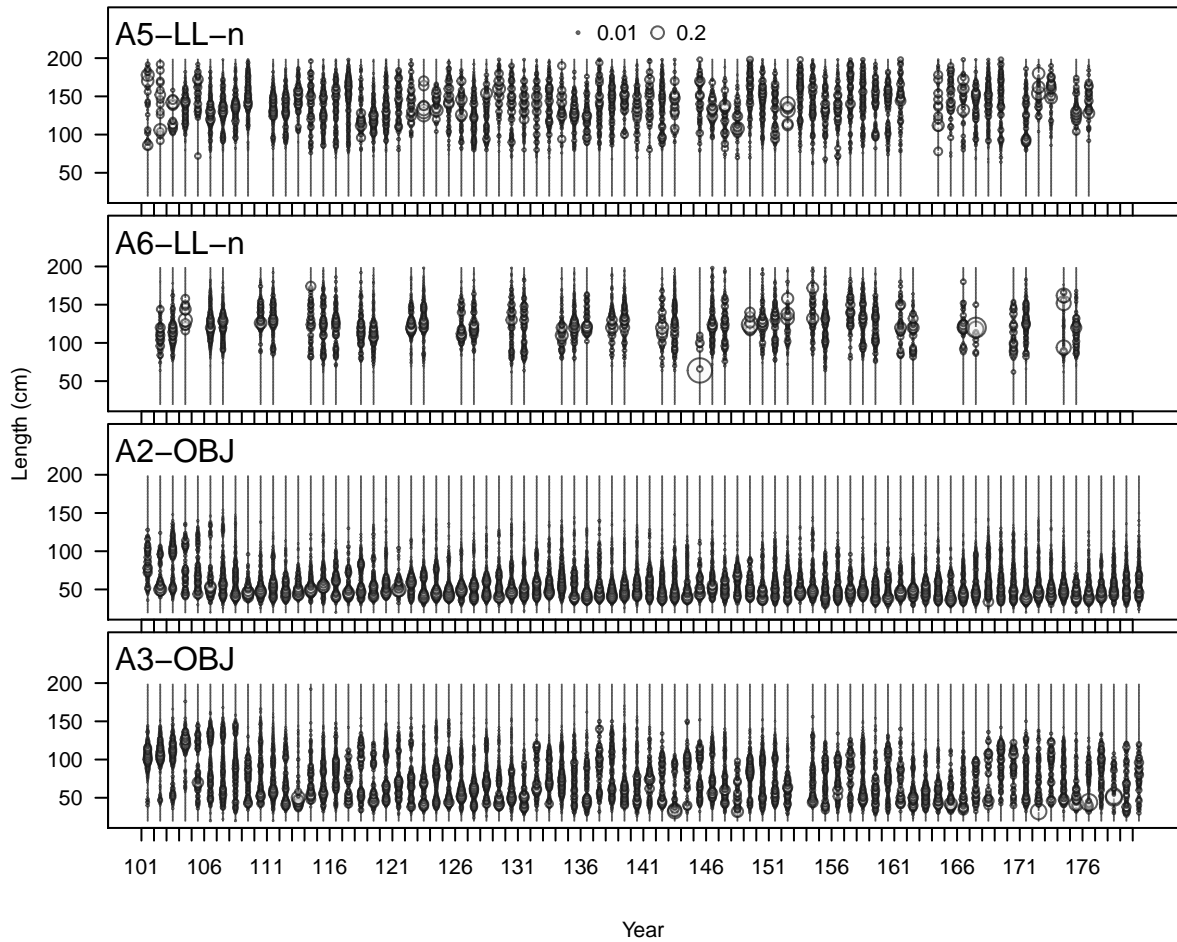
# A5-NOADEL (whole catch)



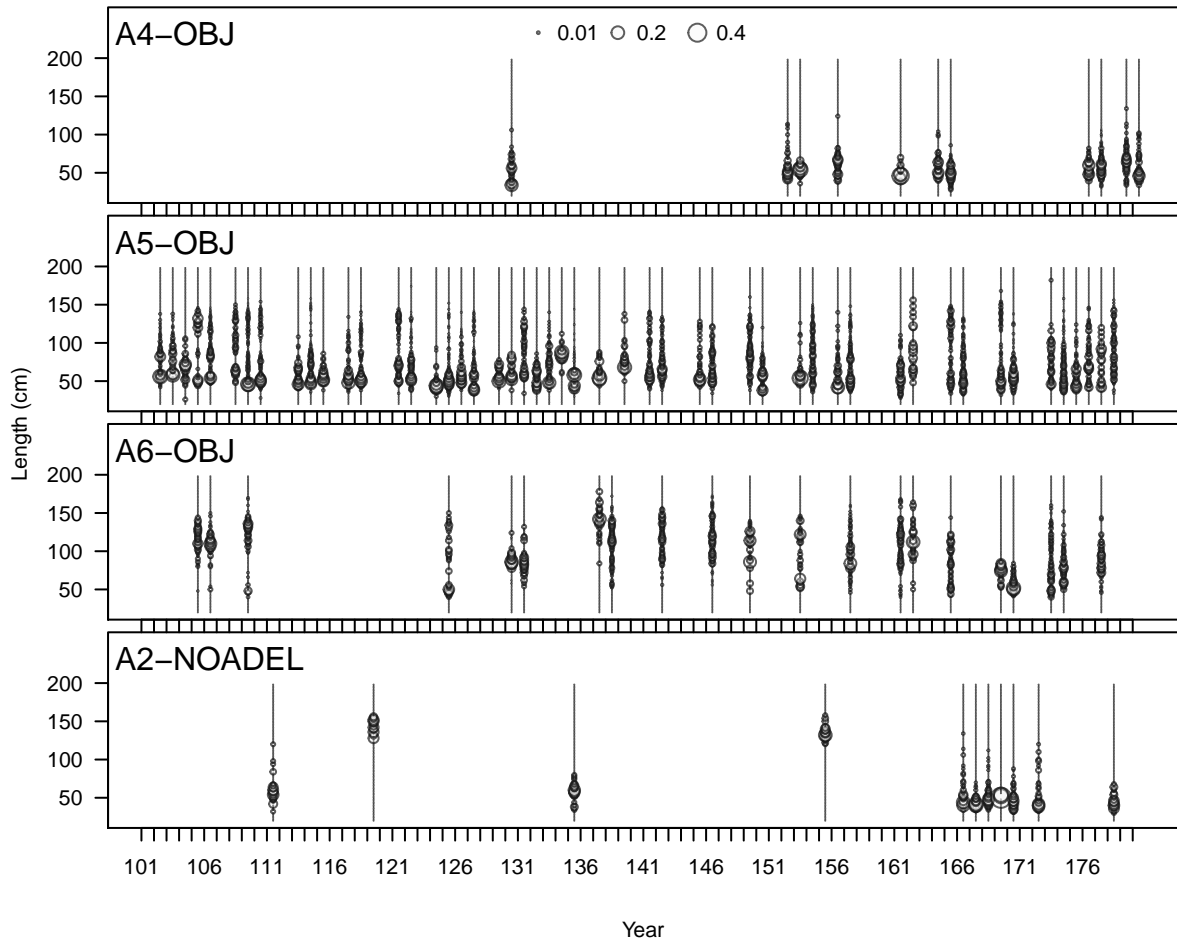
Proportion

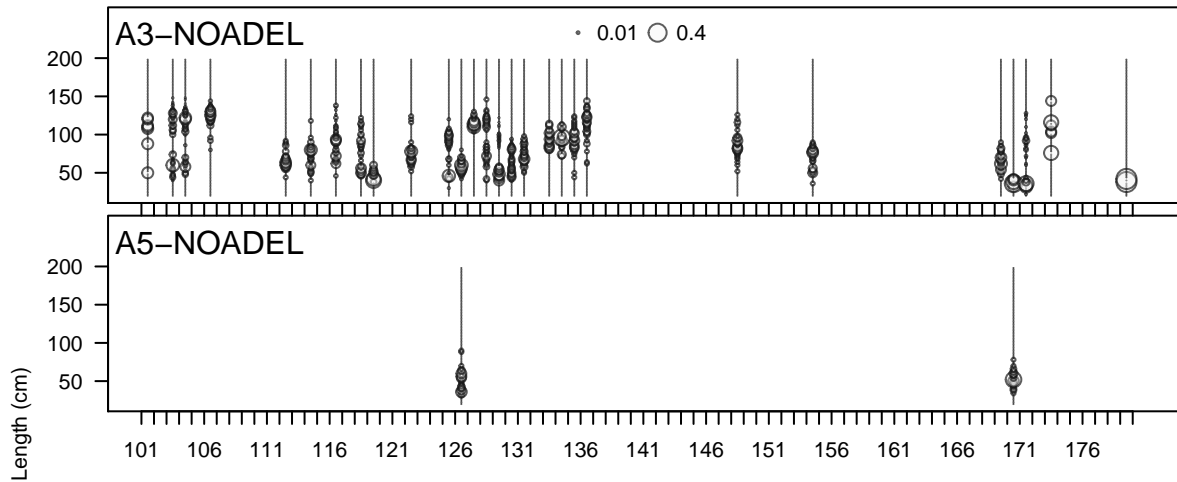


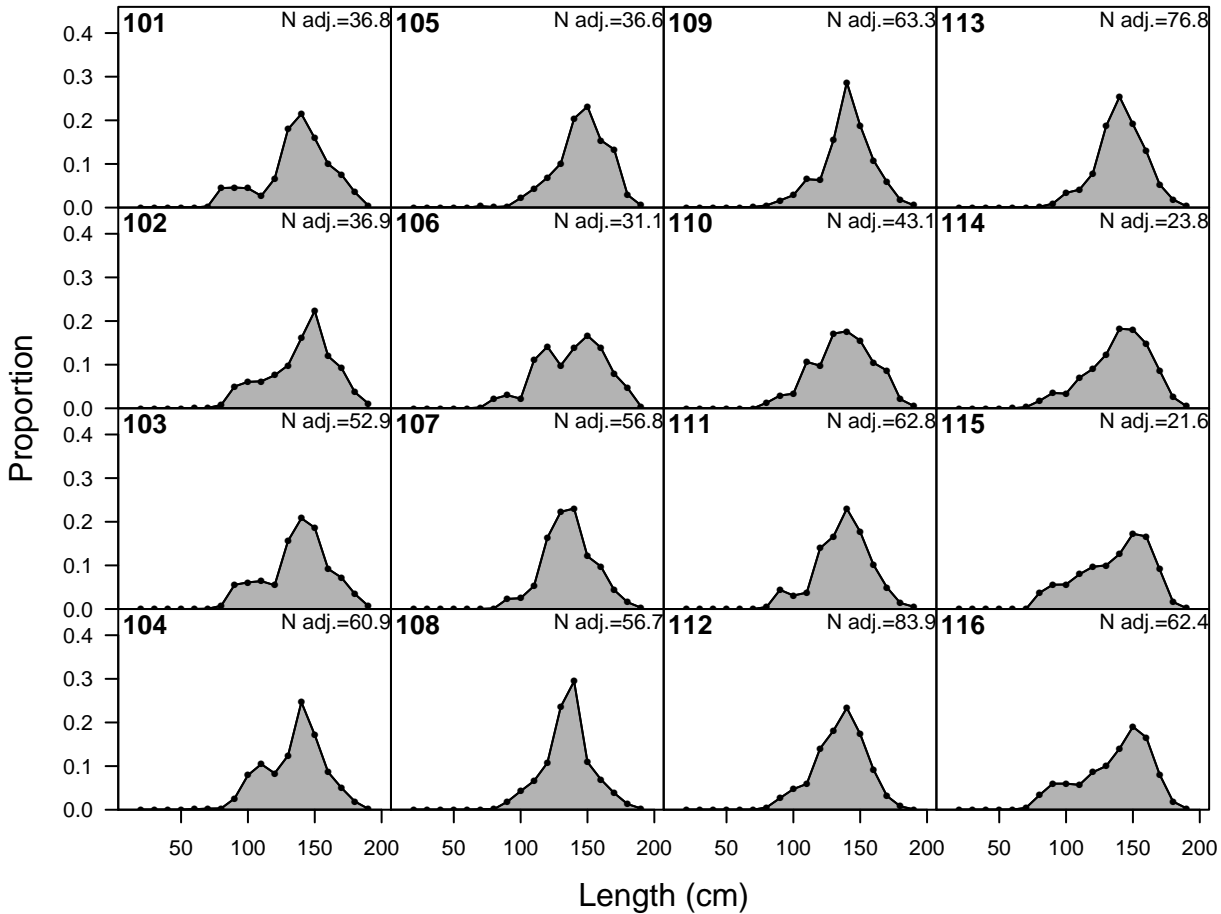


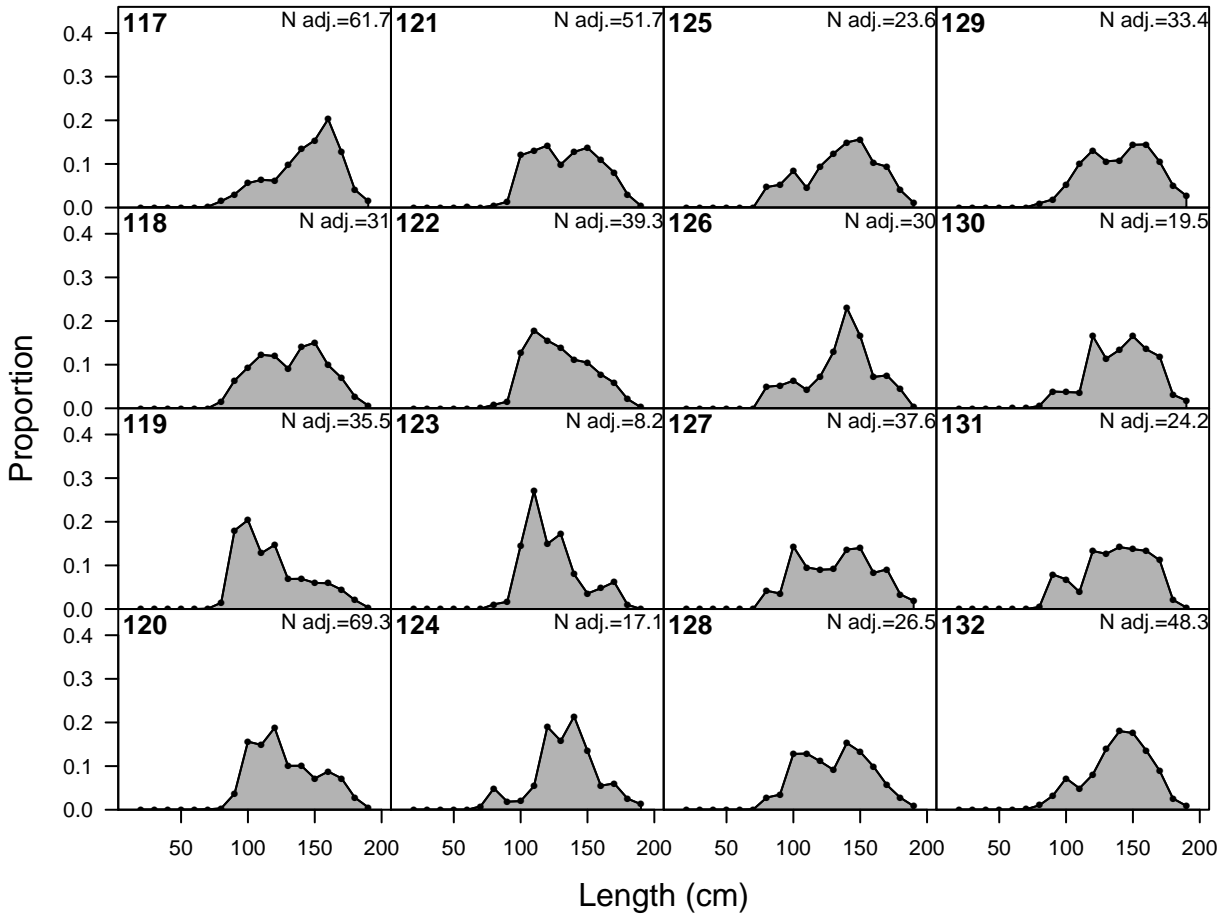


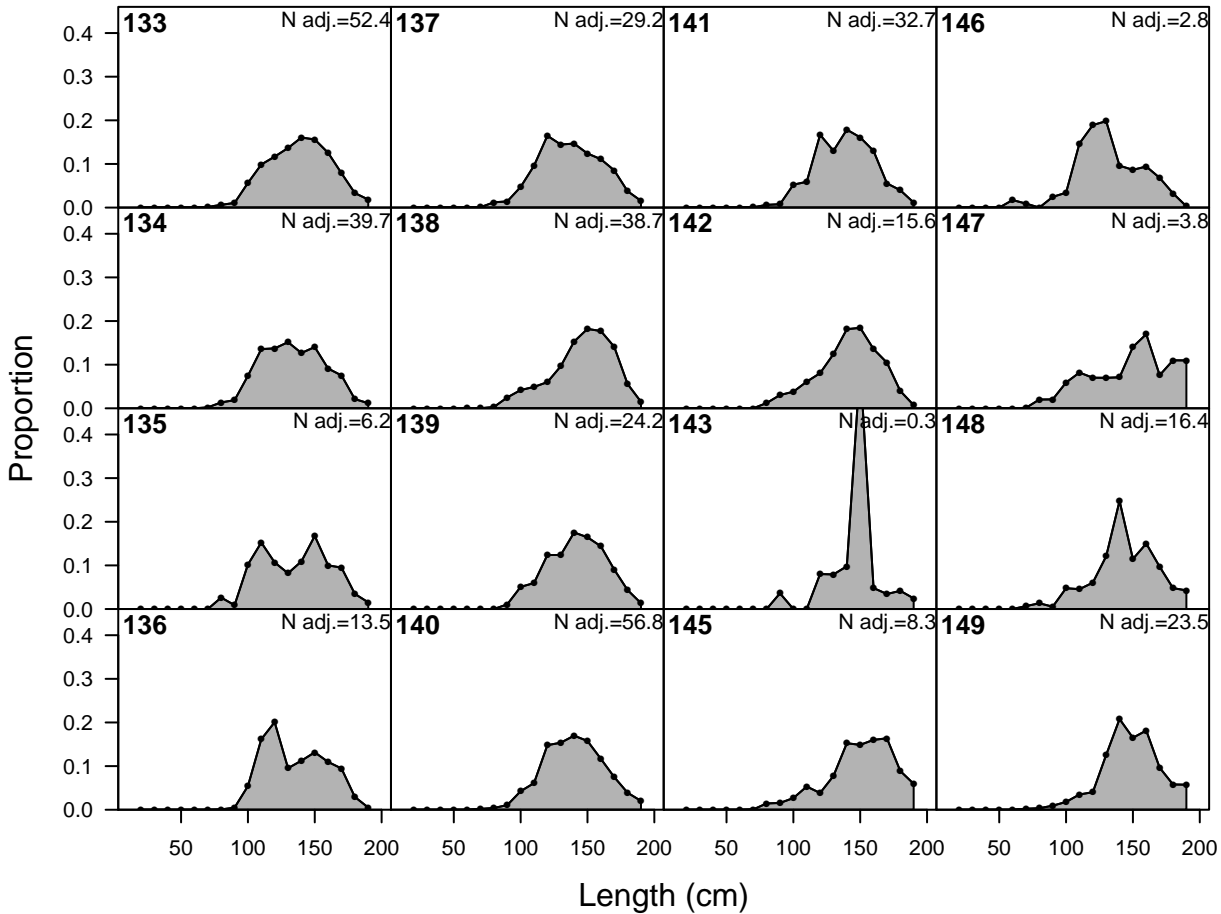


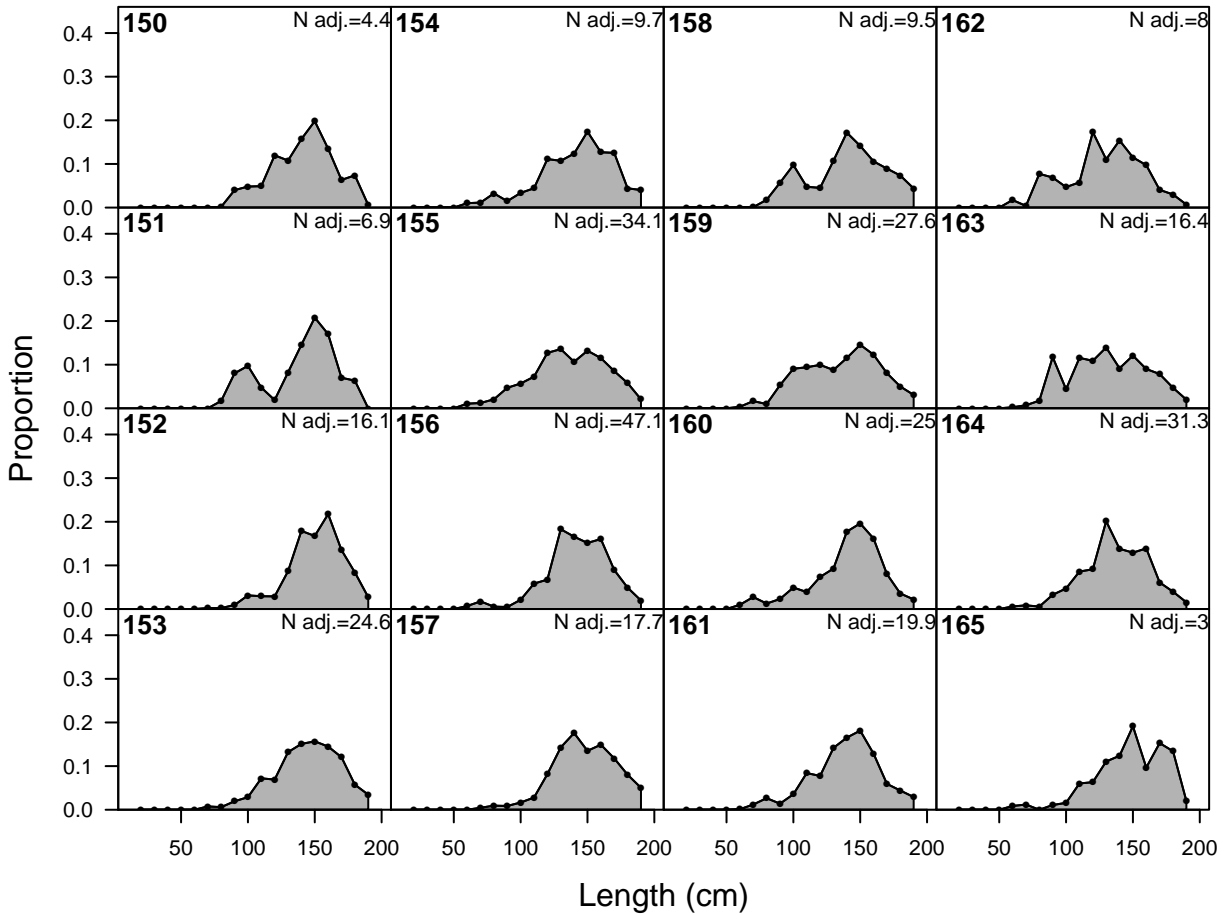


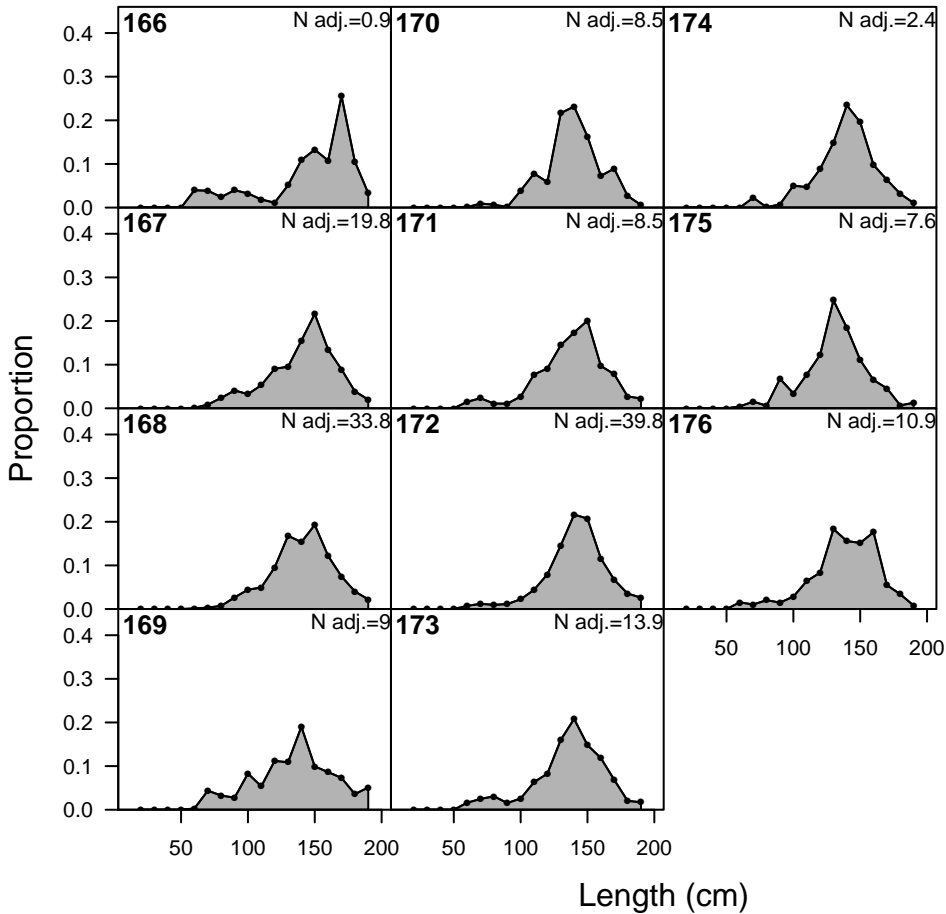


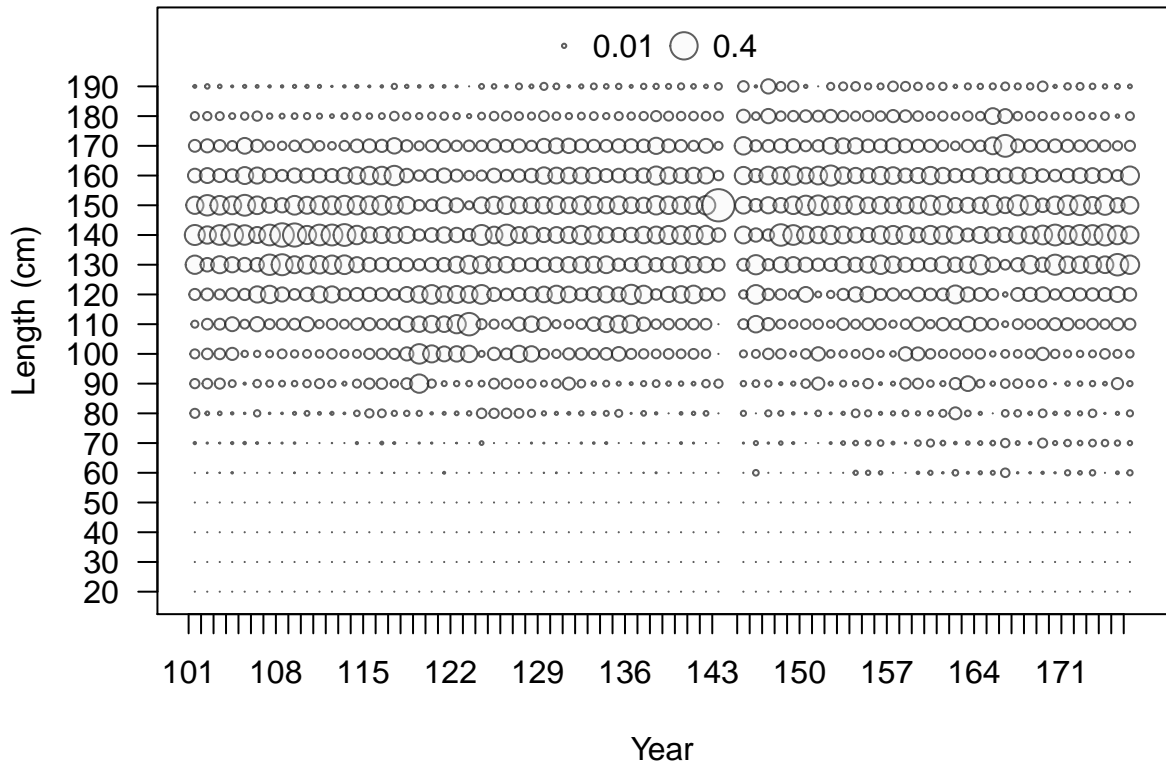






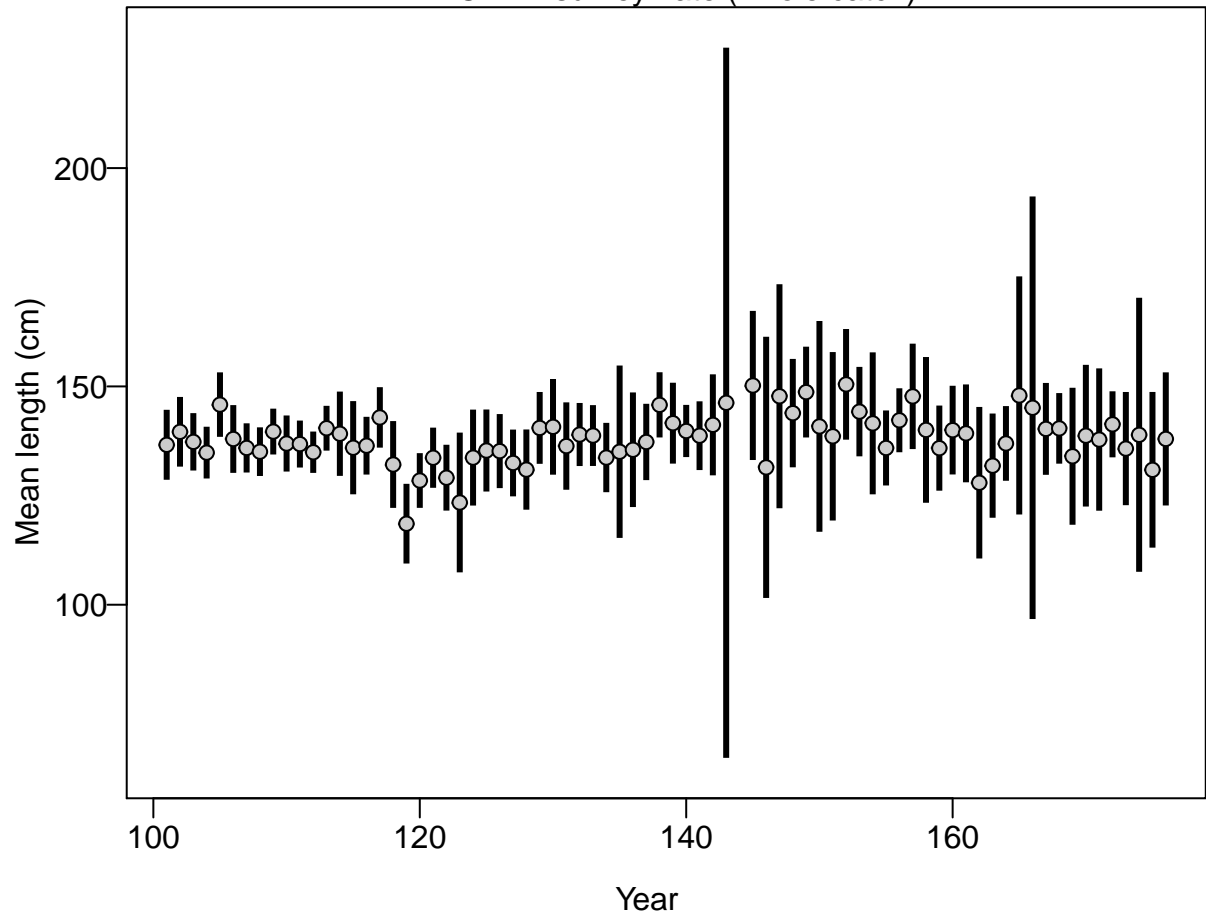


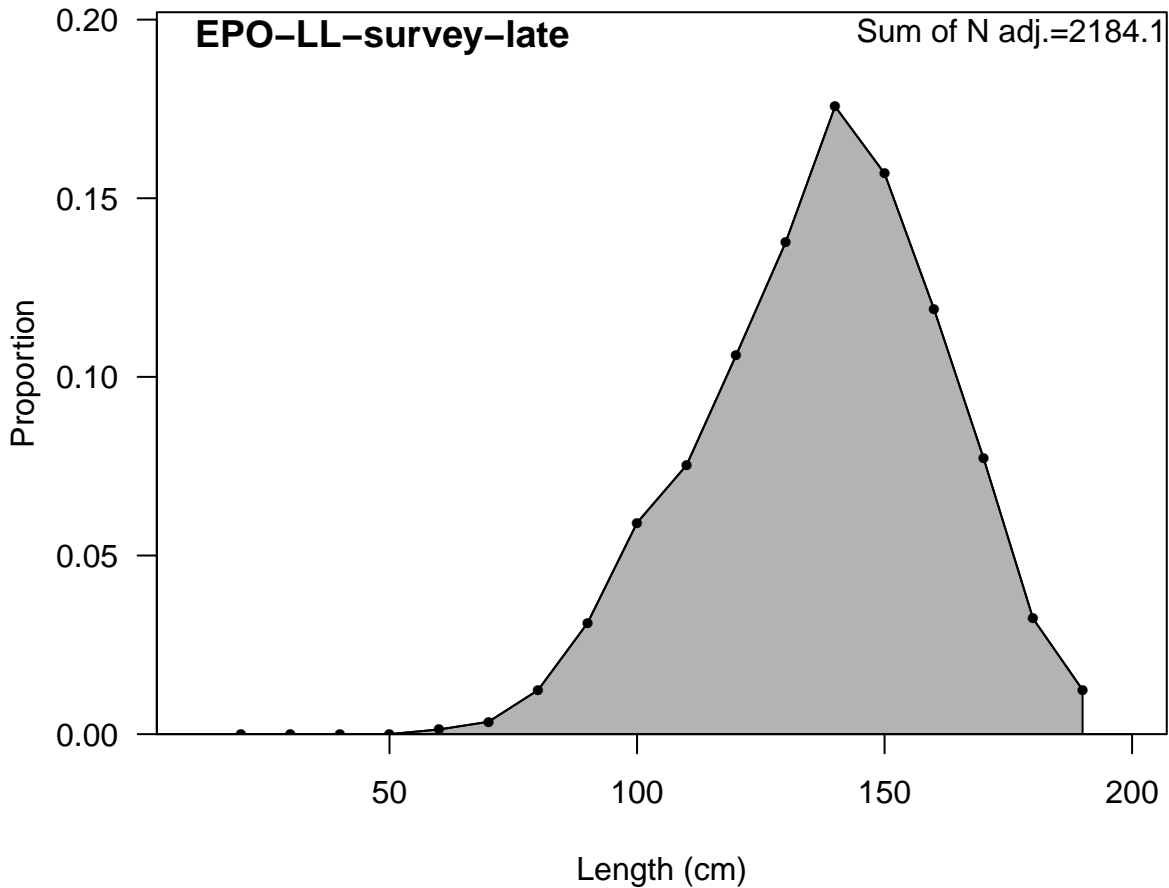


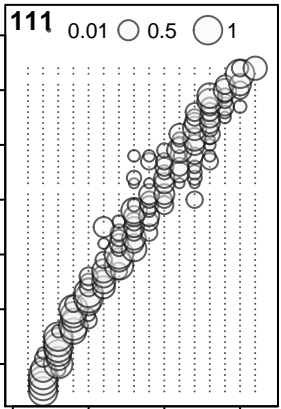




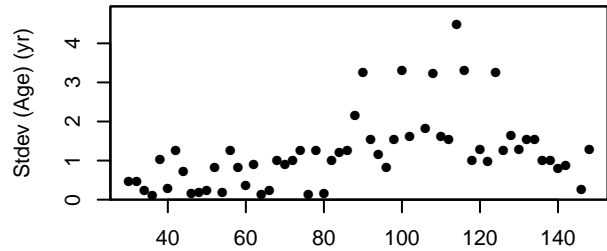
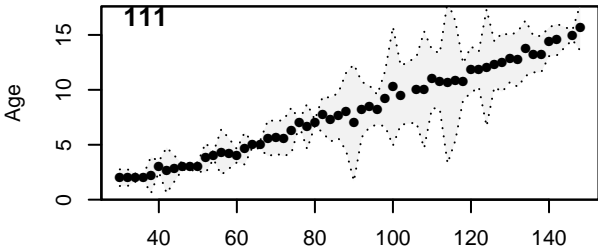
EPO-LL-survey-late (whole catch)





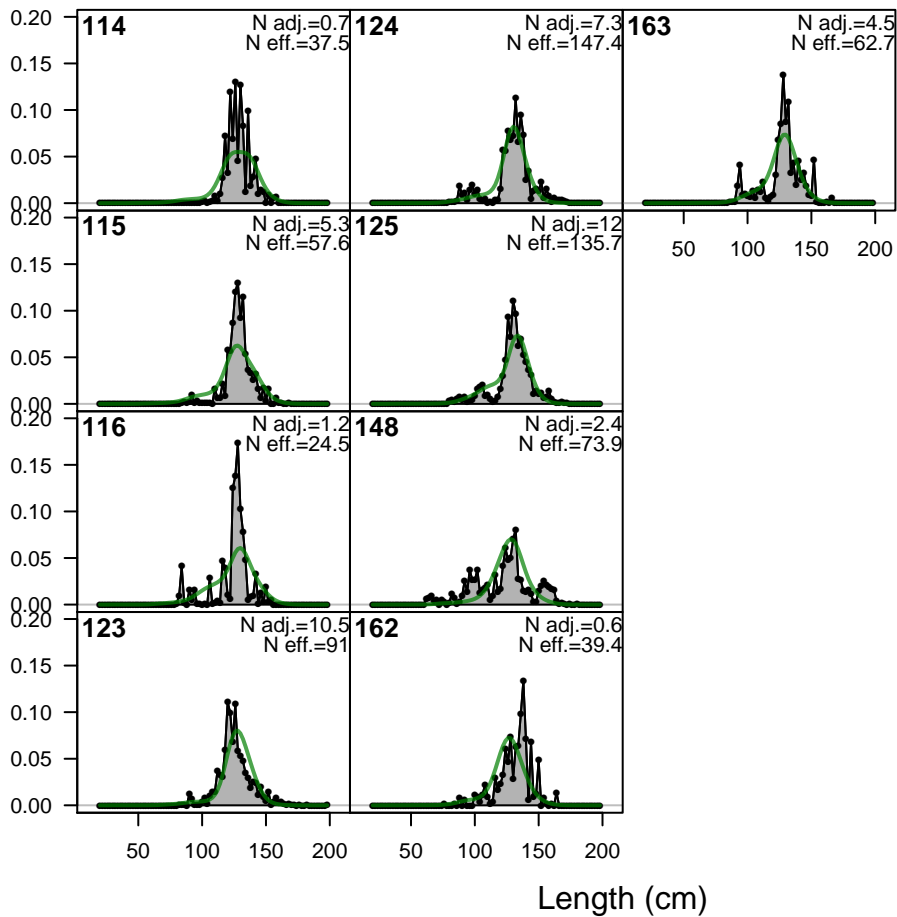


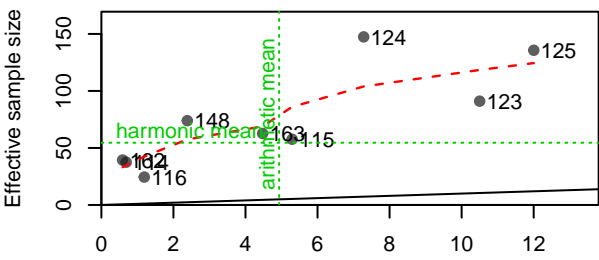
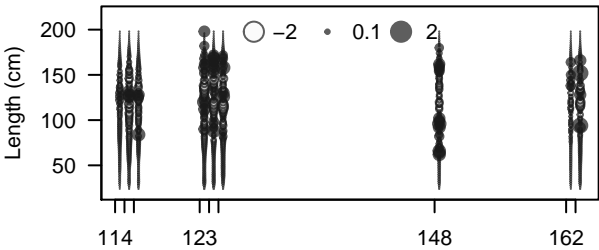
Age (yr)



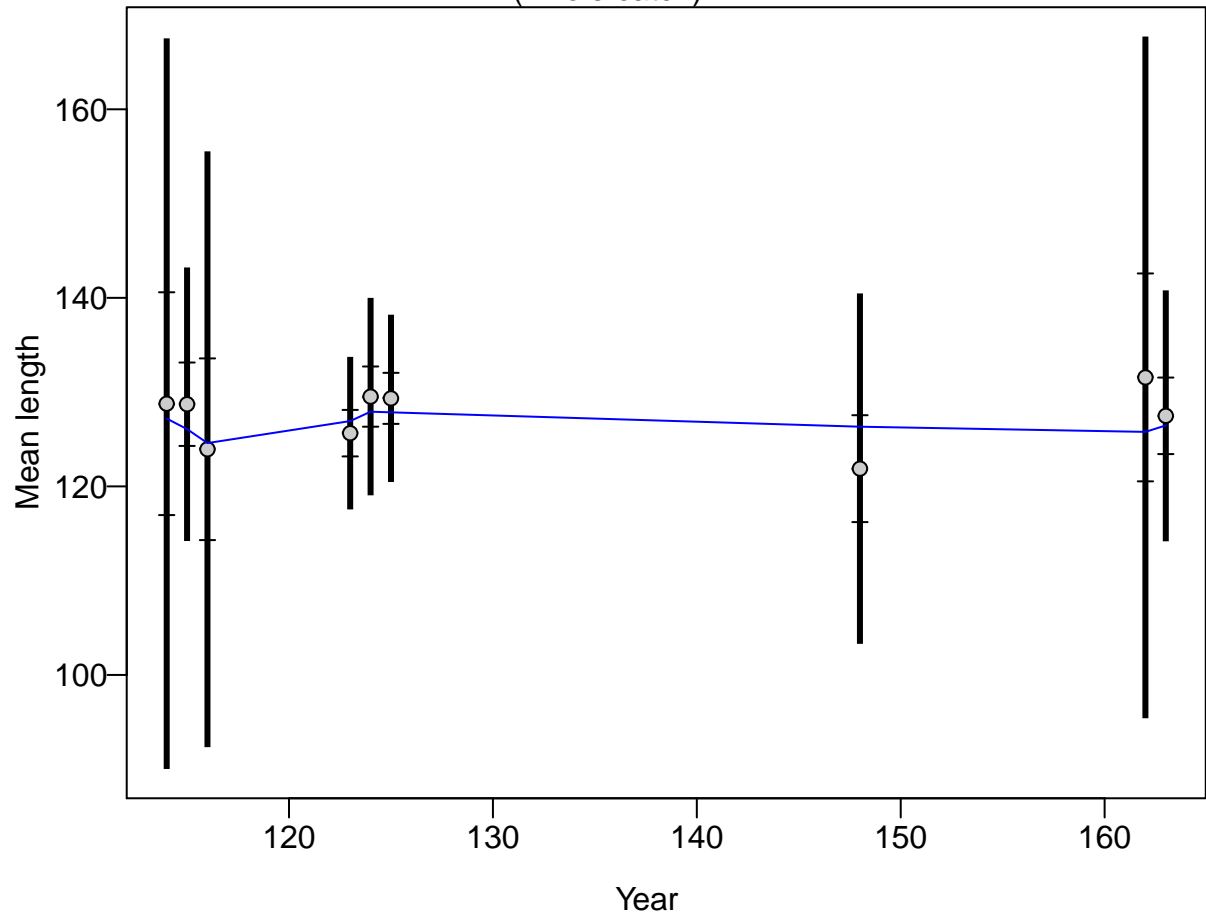
Length (cm)

Proportion

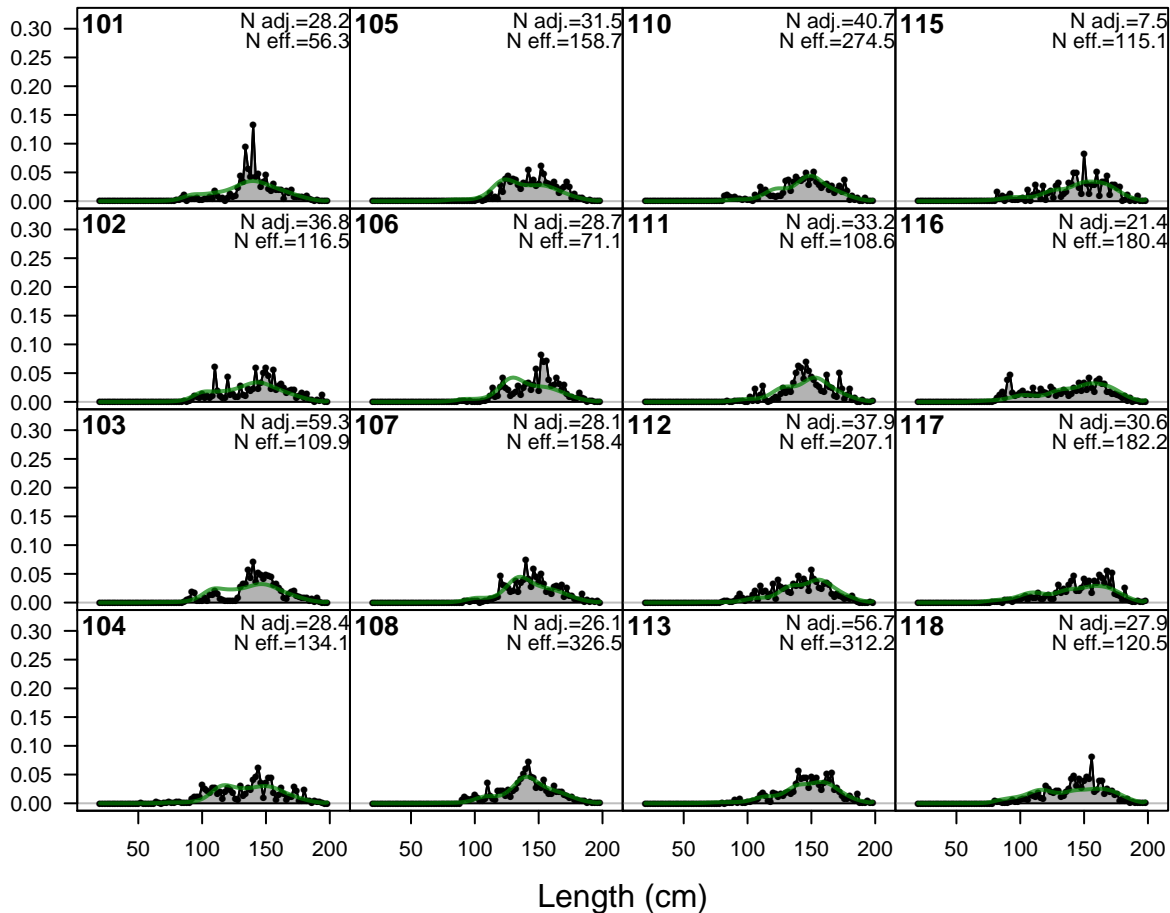




A1-LL-n (whole catch)

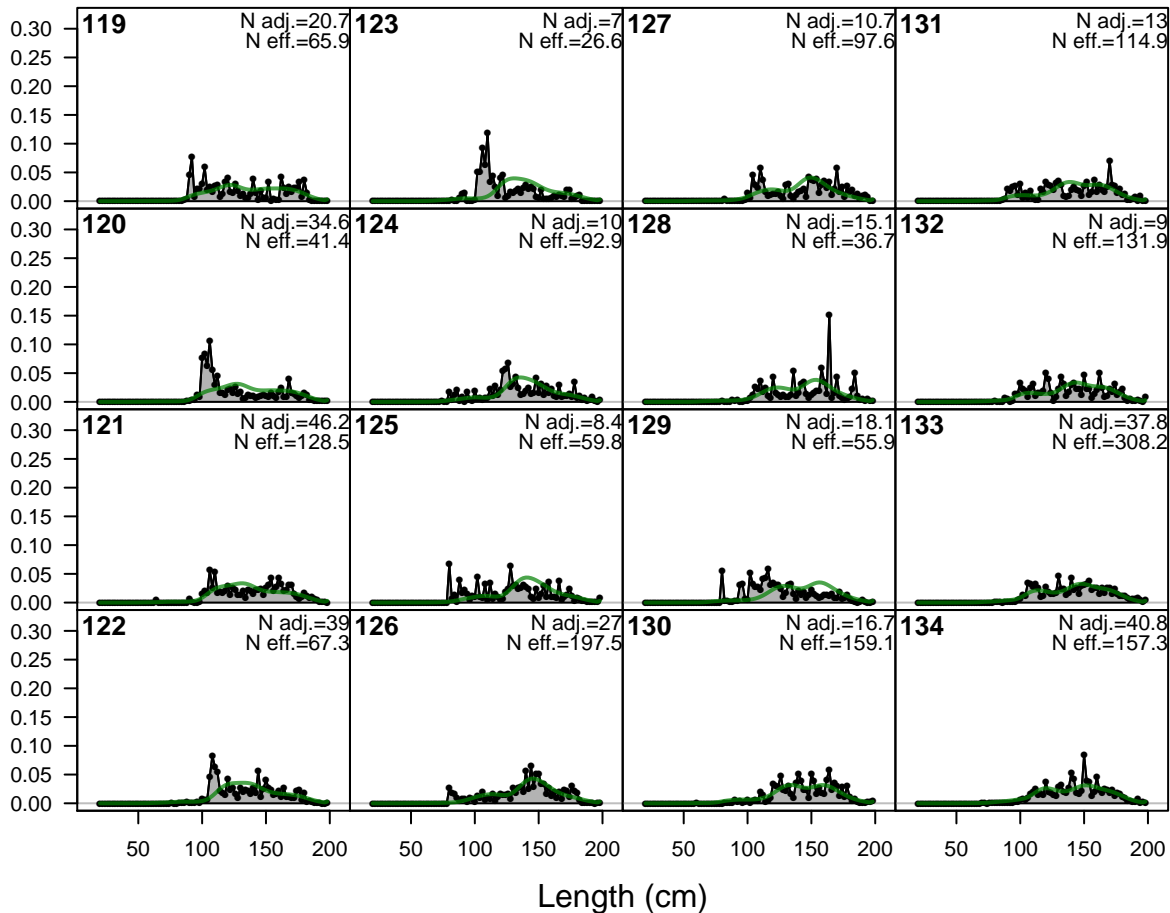


Proportion

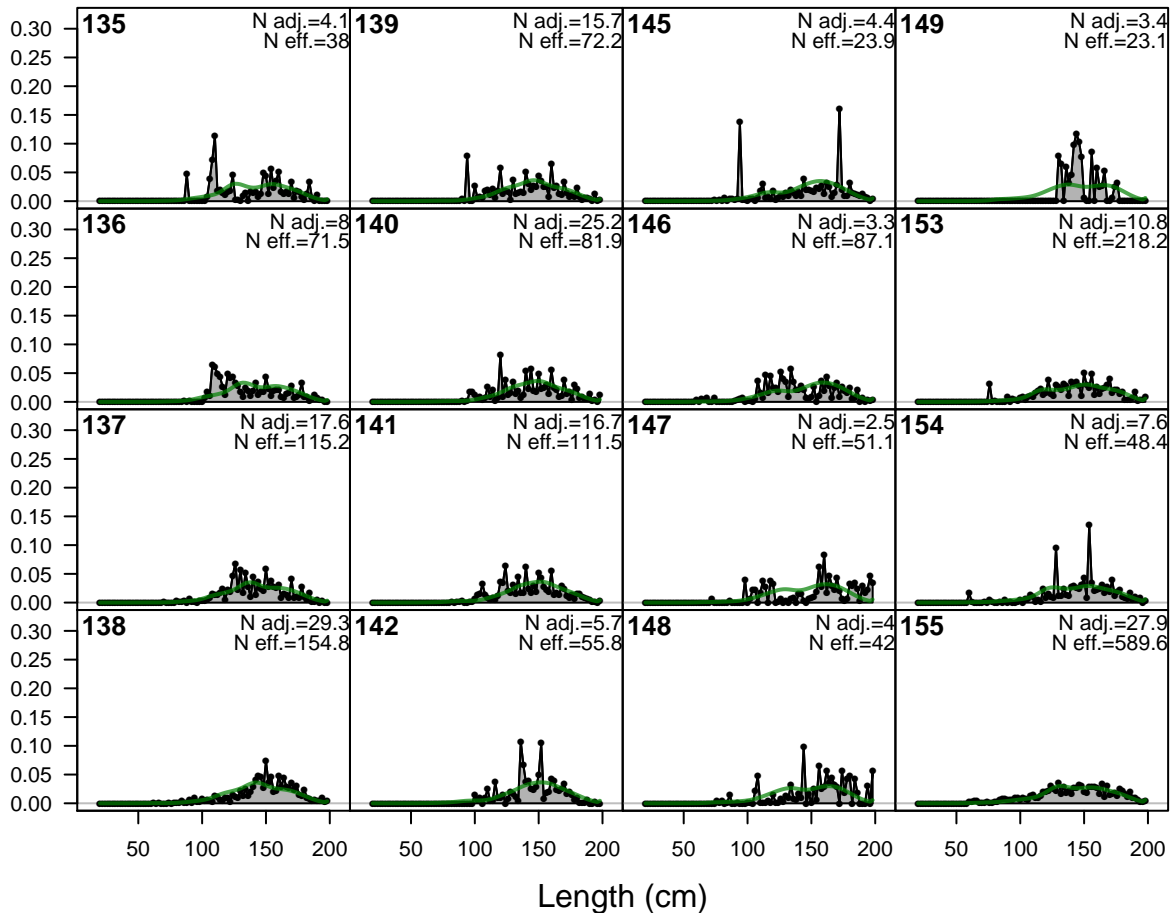




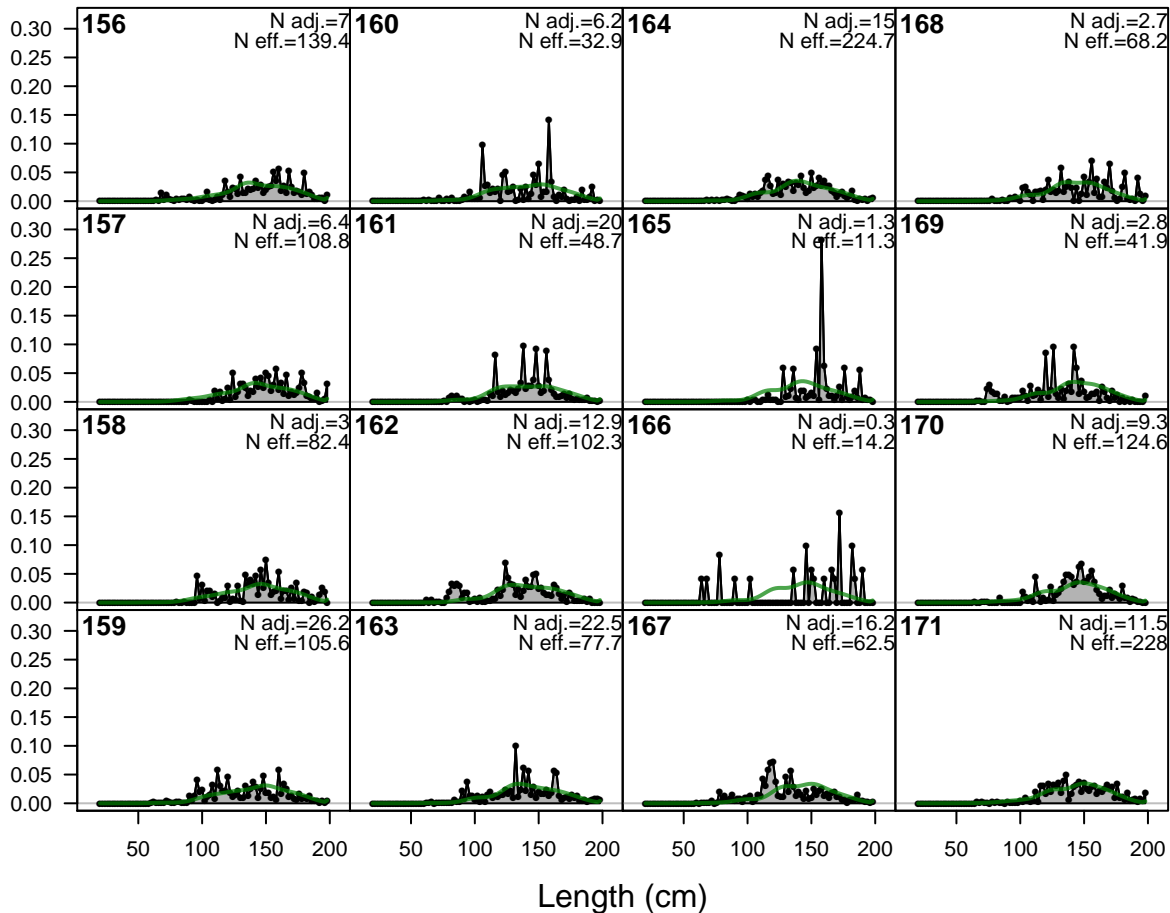
Proportion



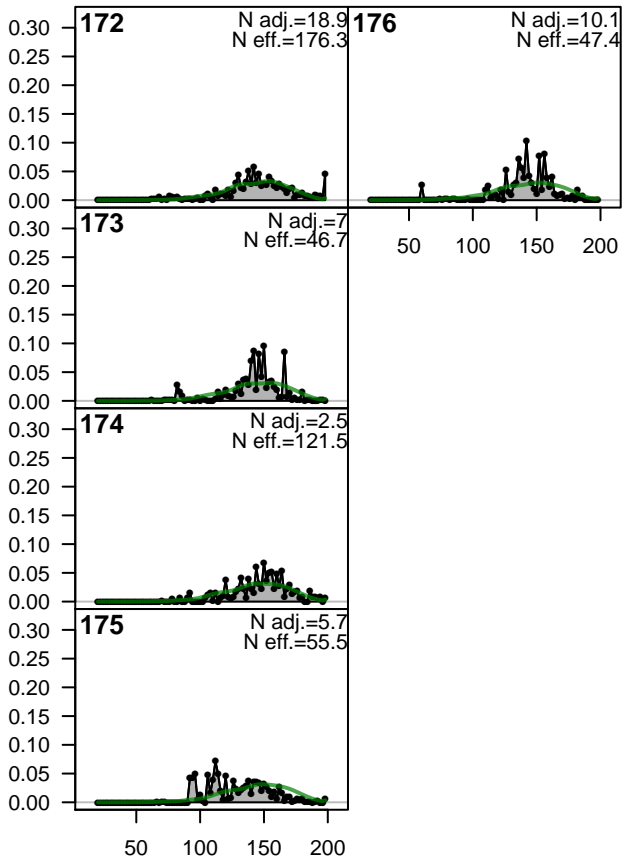
Proportion



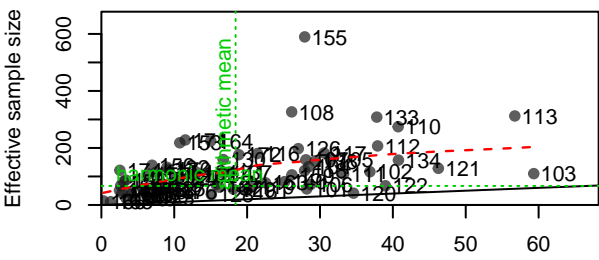
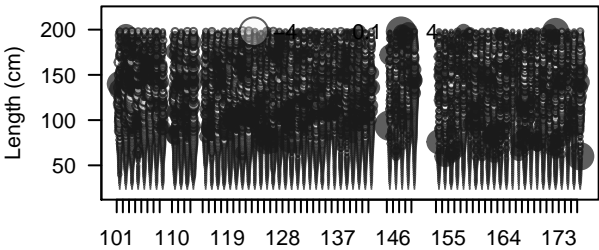
Proportion



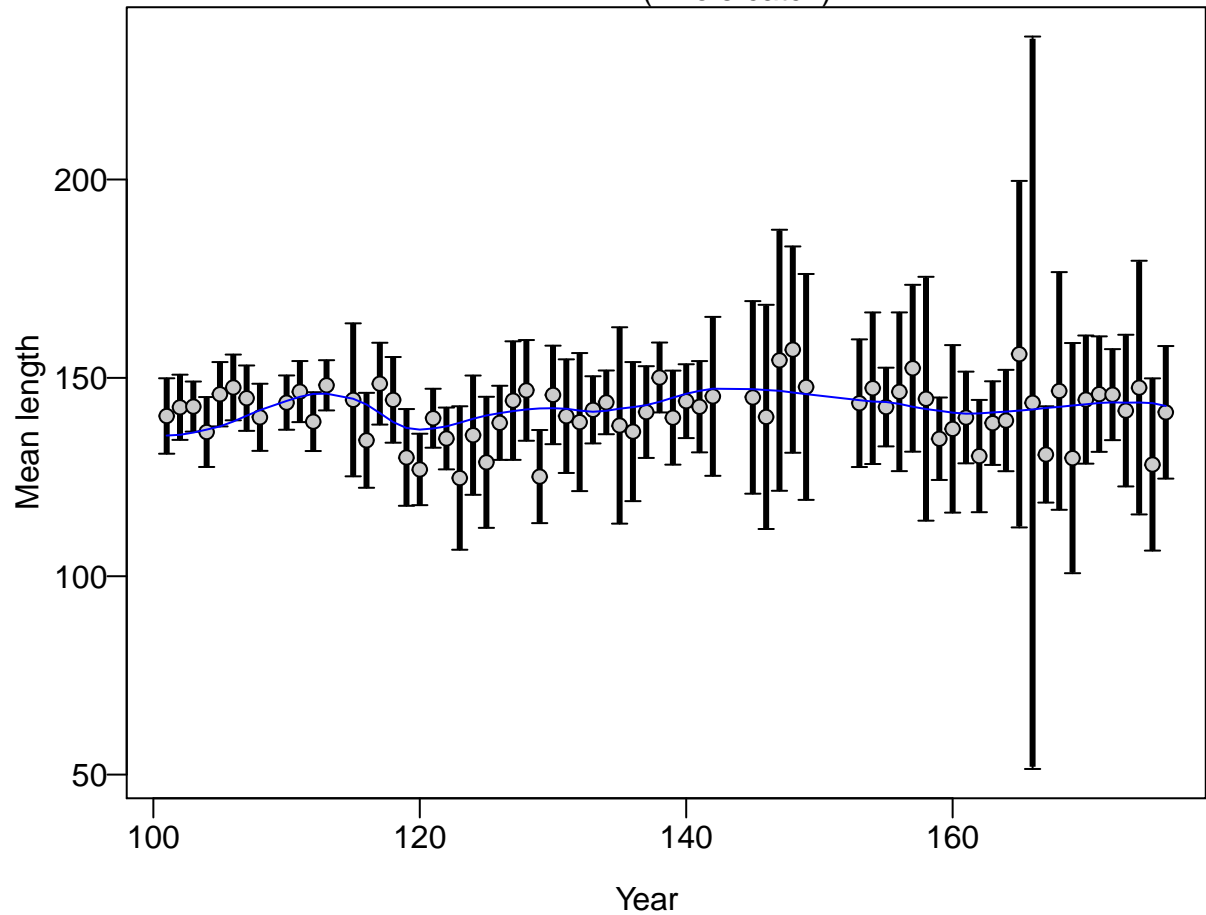
Proportion



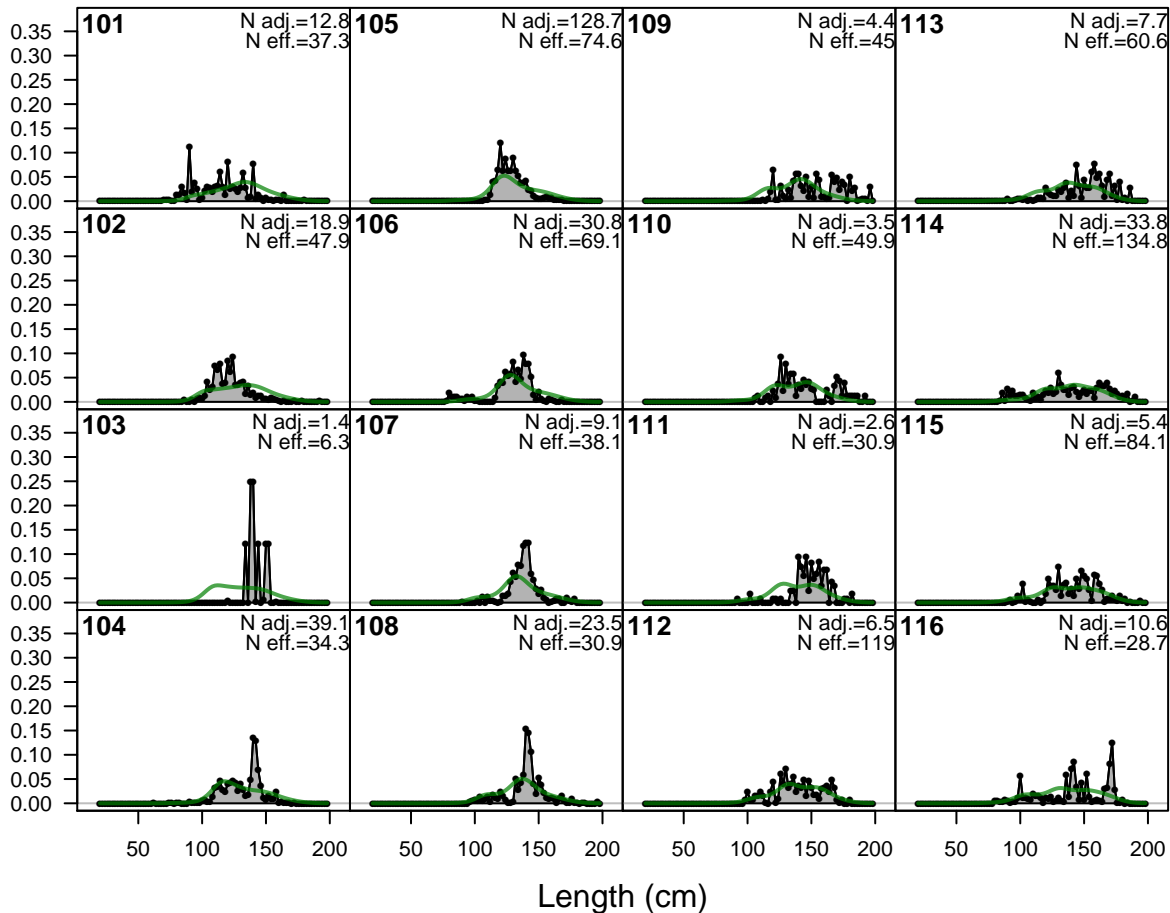
Length (cm)



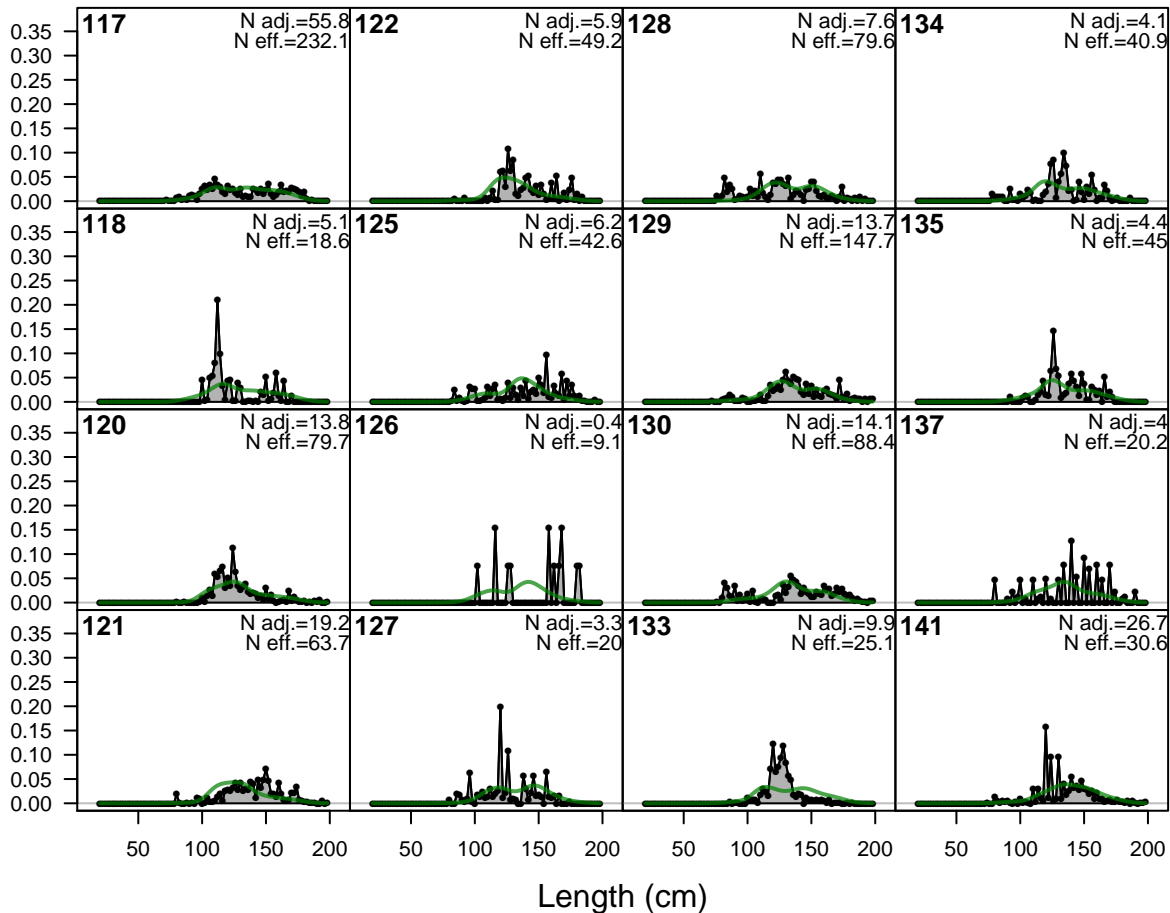
A2-LL-n (whole catch)



Proportion

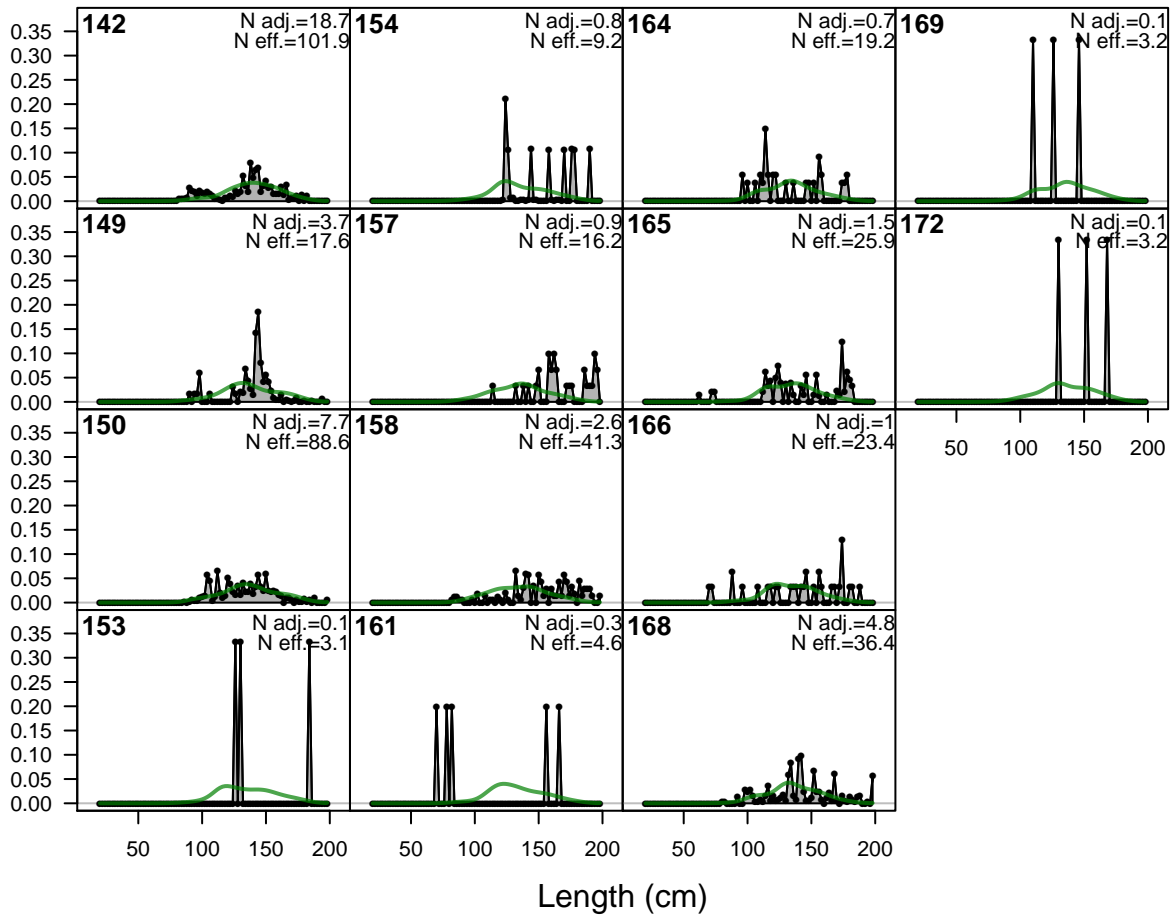


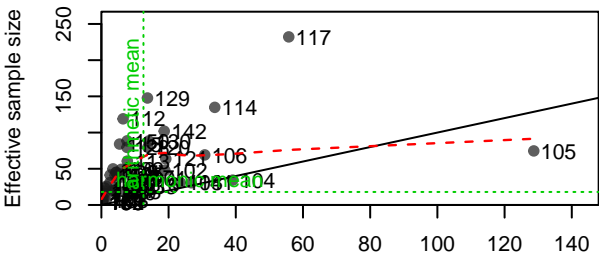
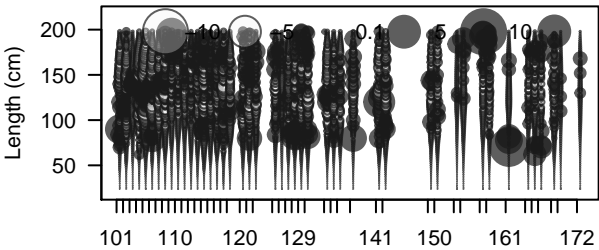
Proportion



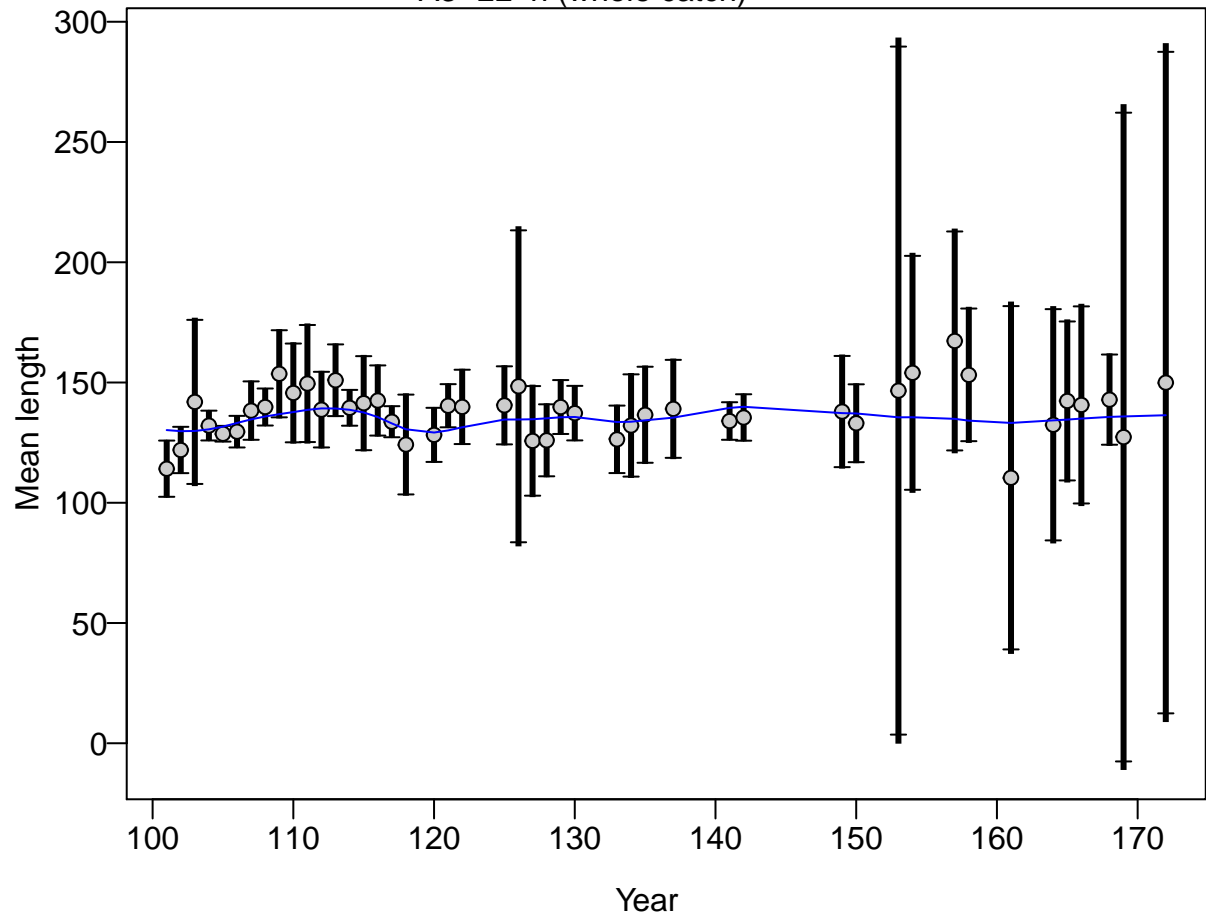


Proportion

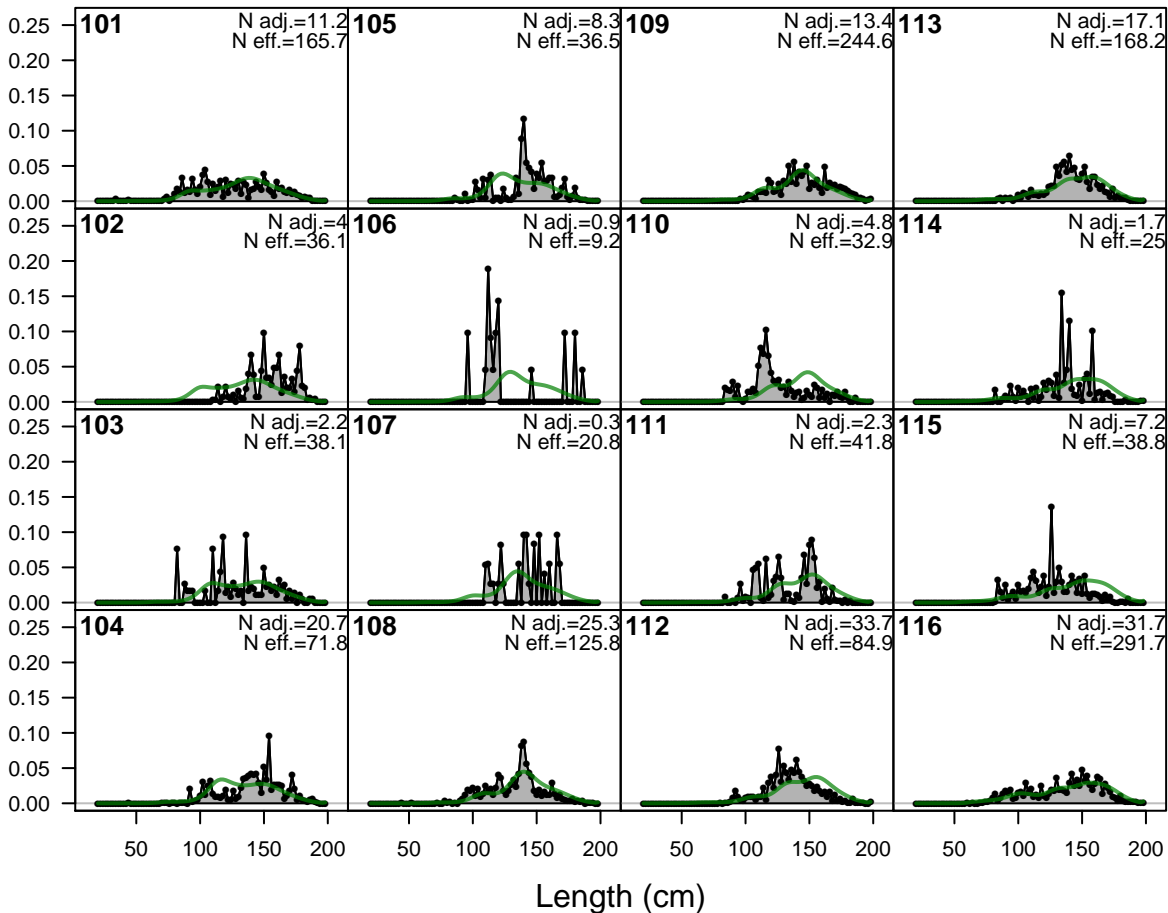




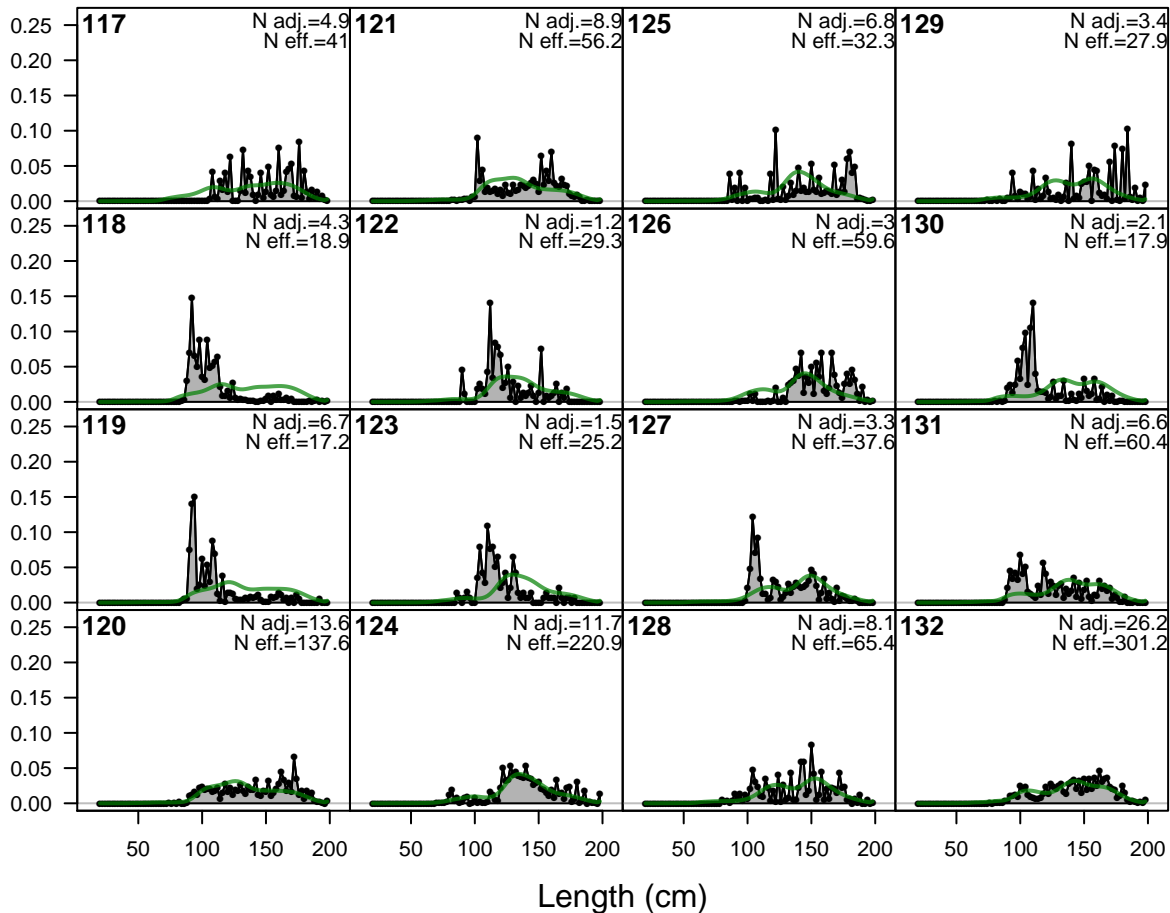
A3-LL-n (whole catch)



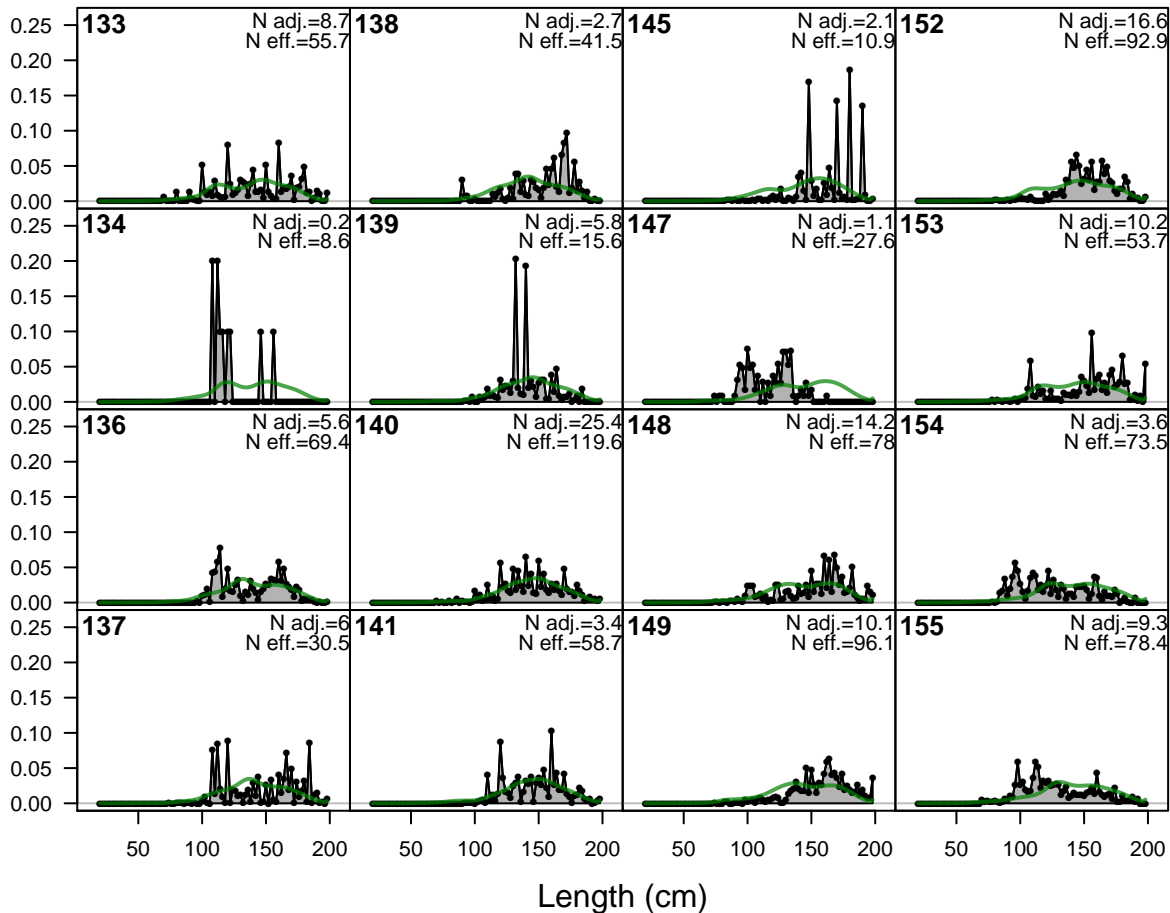
Proportion



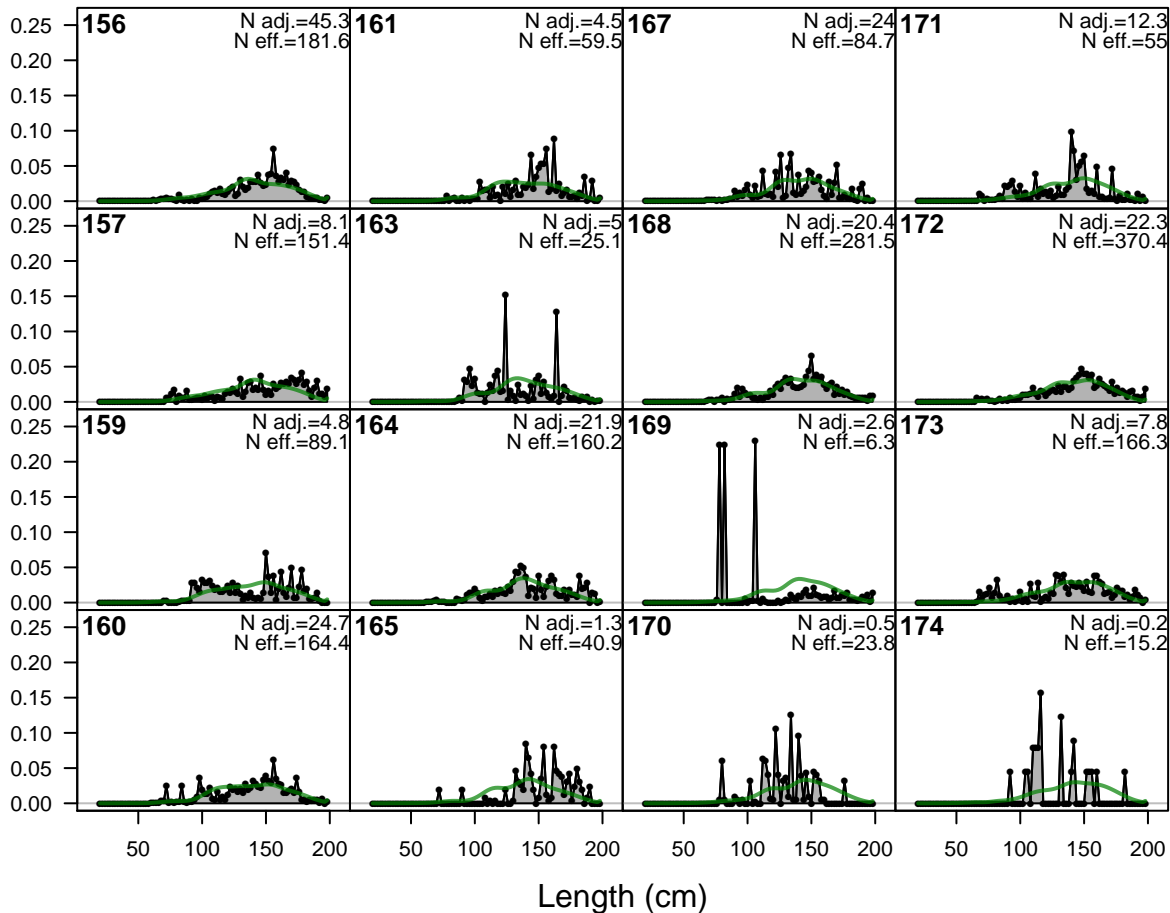
Proportion



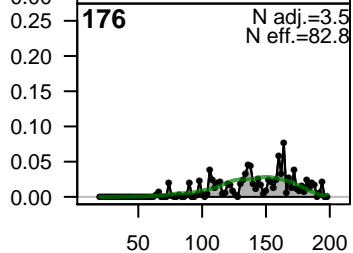
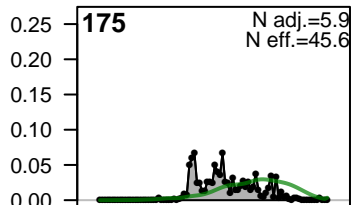
Proportion



Proportion

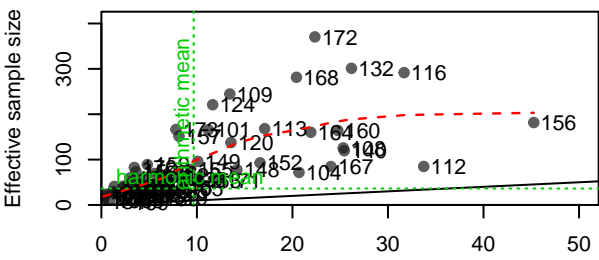
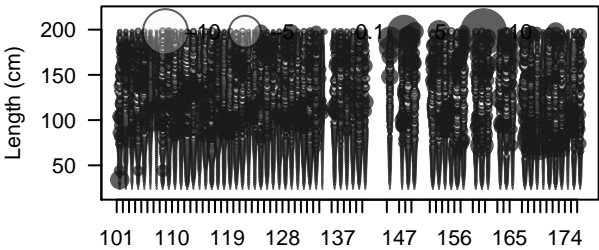


Proportion

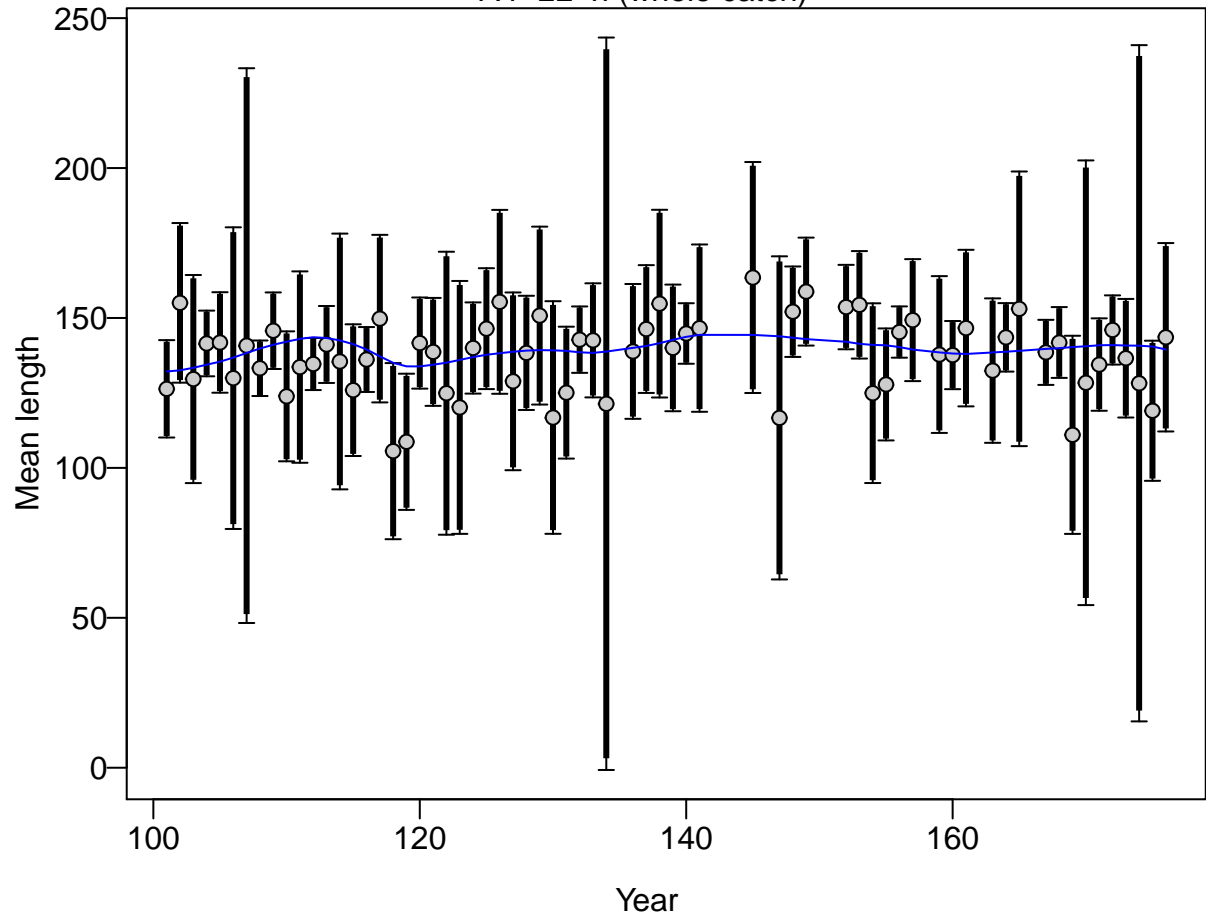


Length (cm)

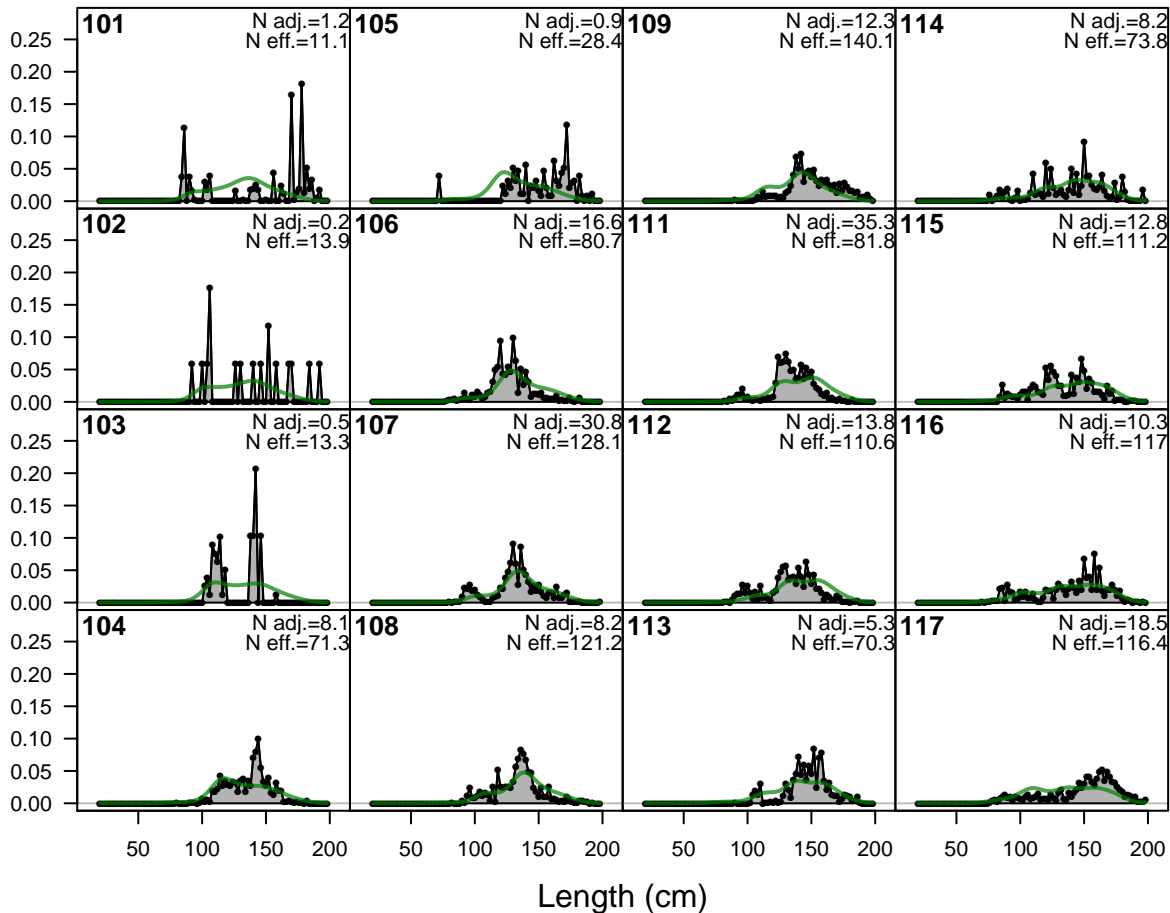




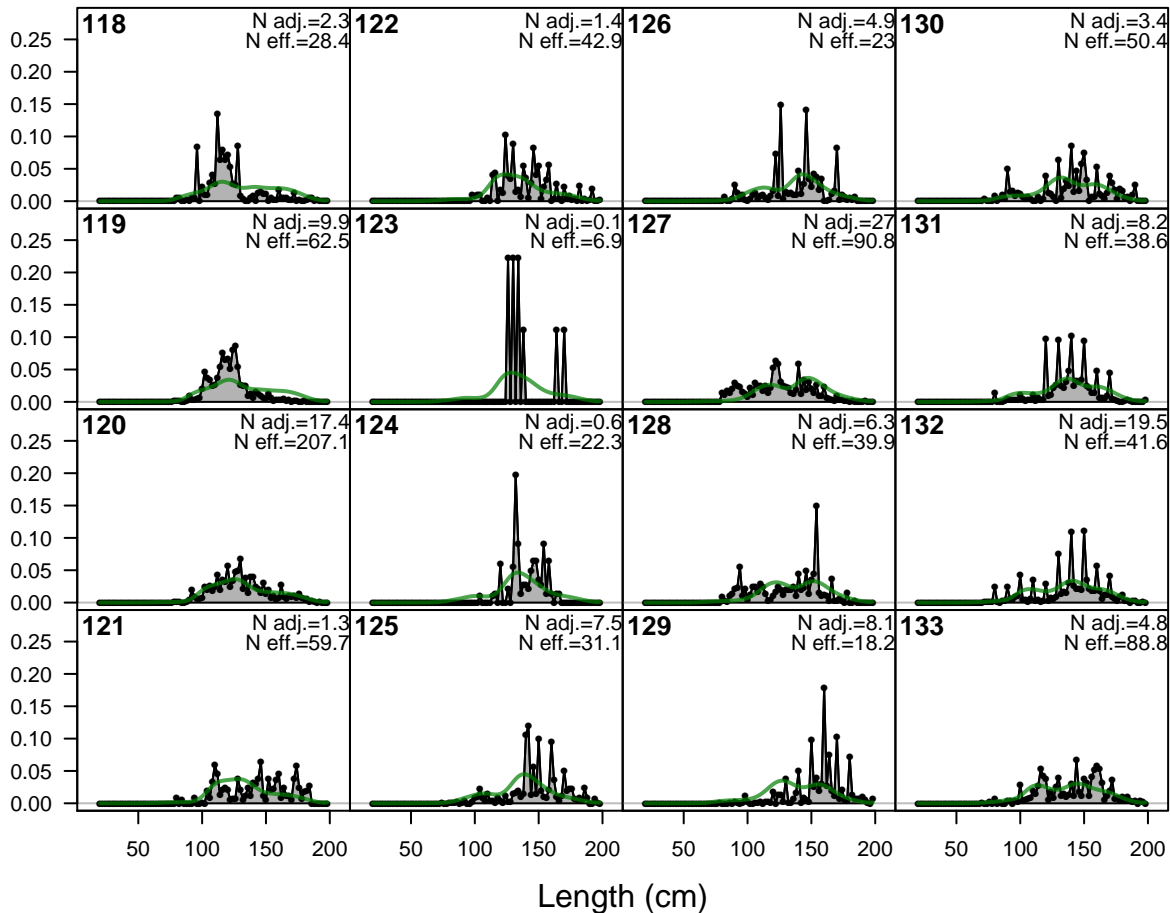
A4-LL-n (whole catch)



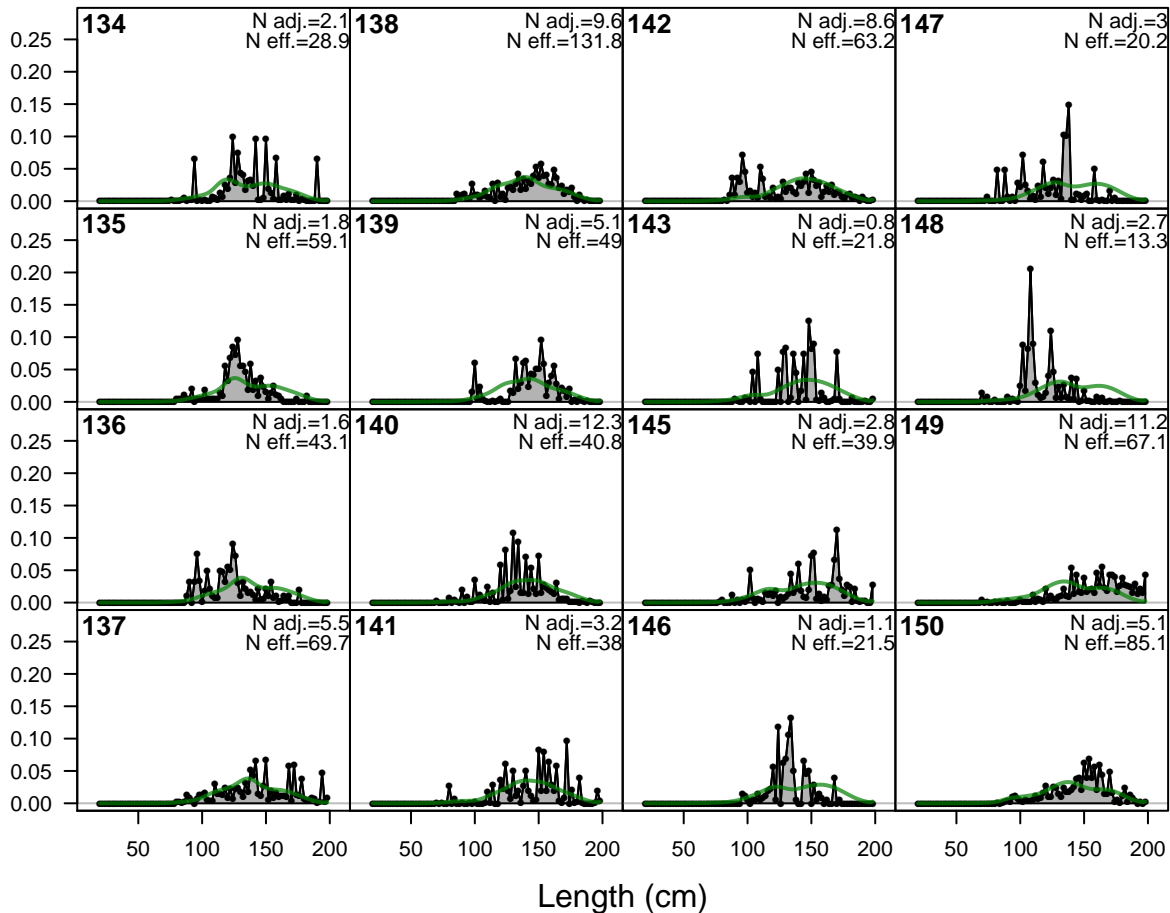
Proportion



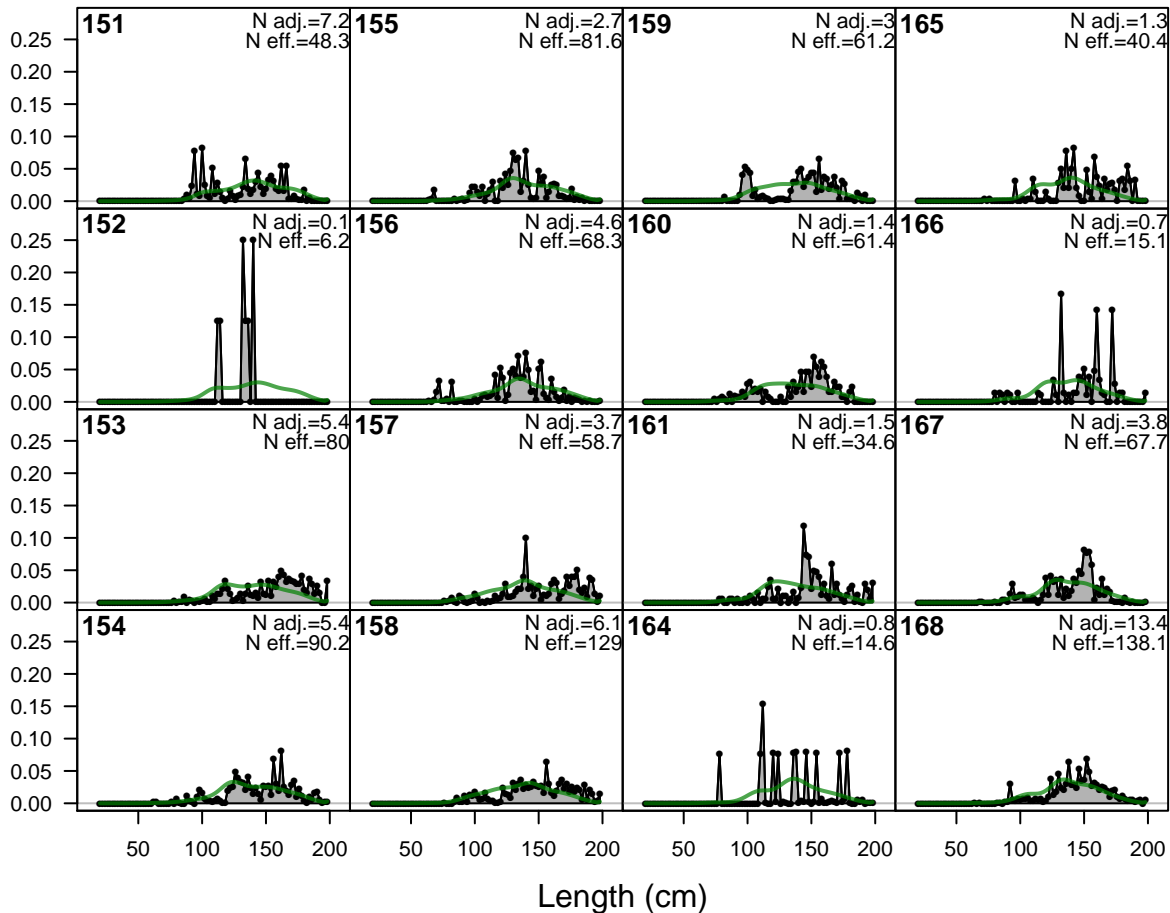
Proportion



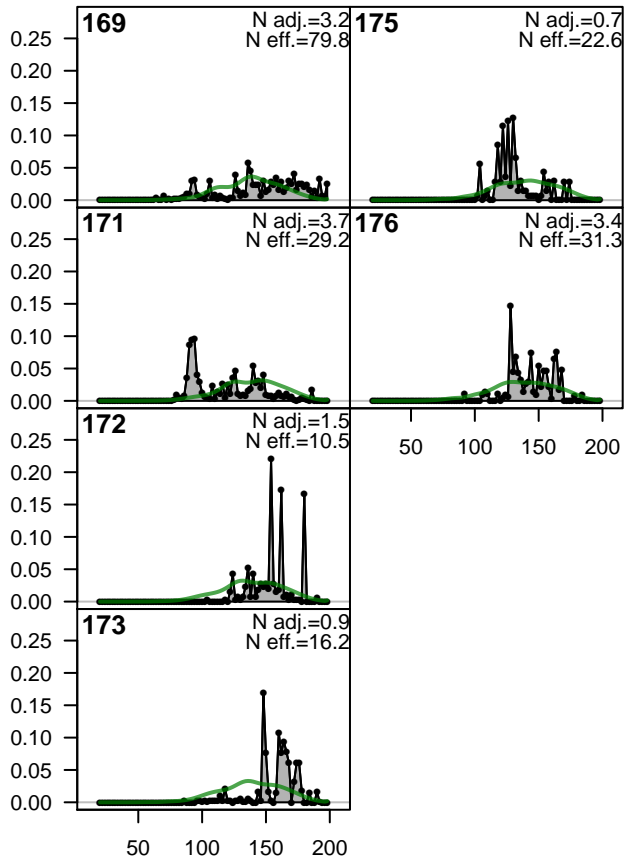
Proportion



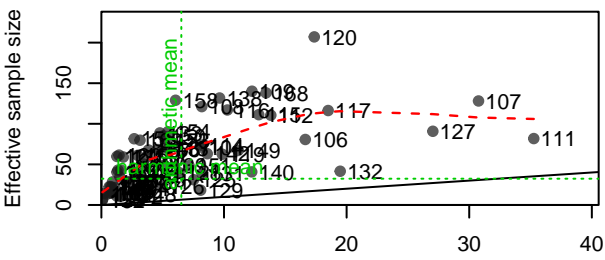
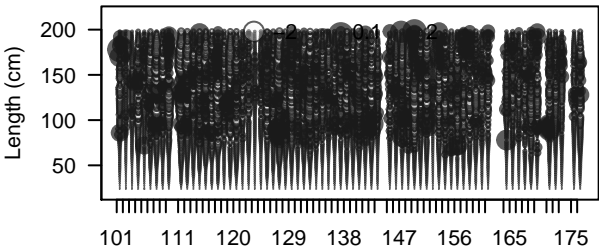
Proportion



Proportion

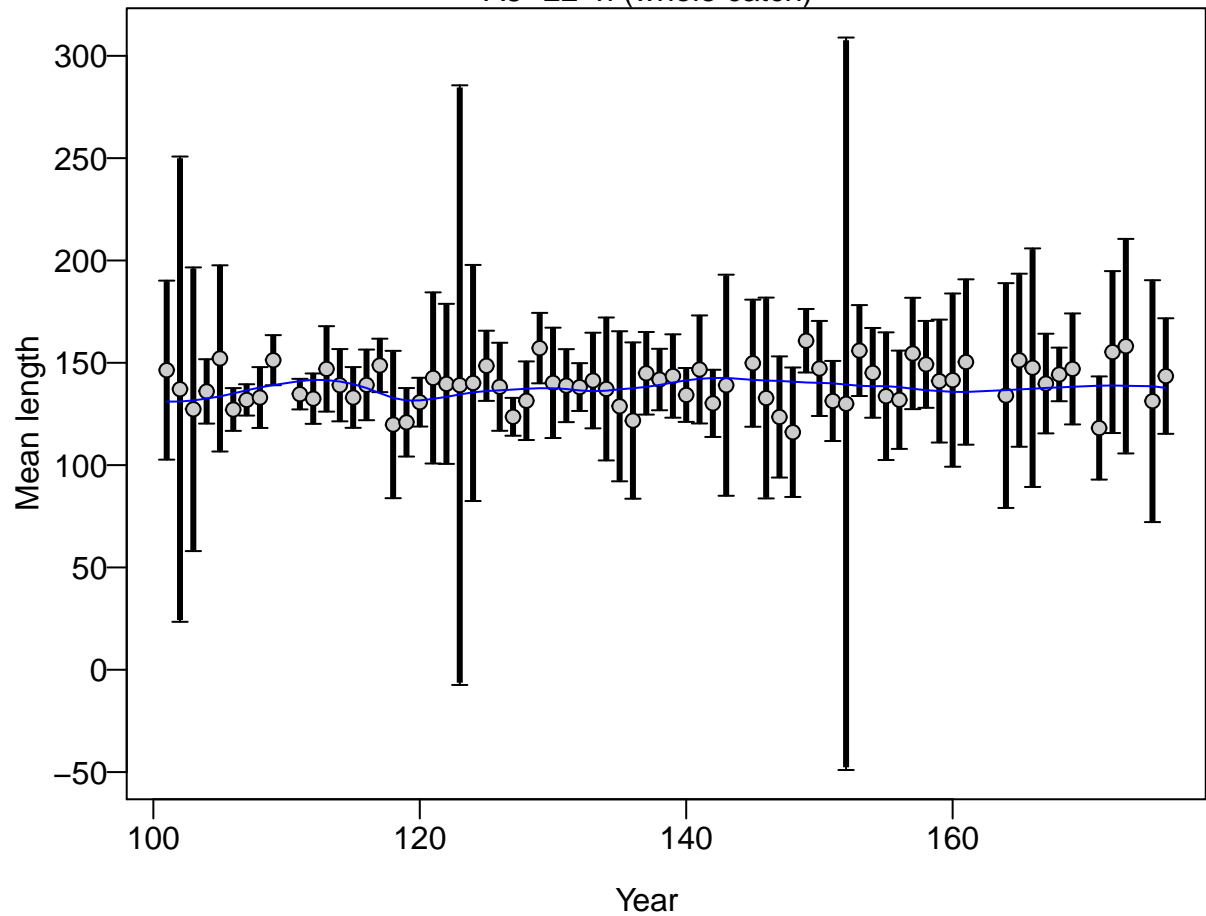


Length (cm)

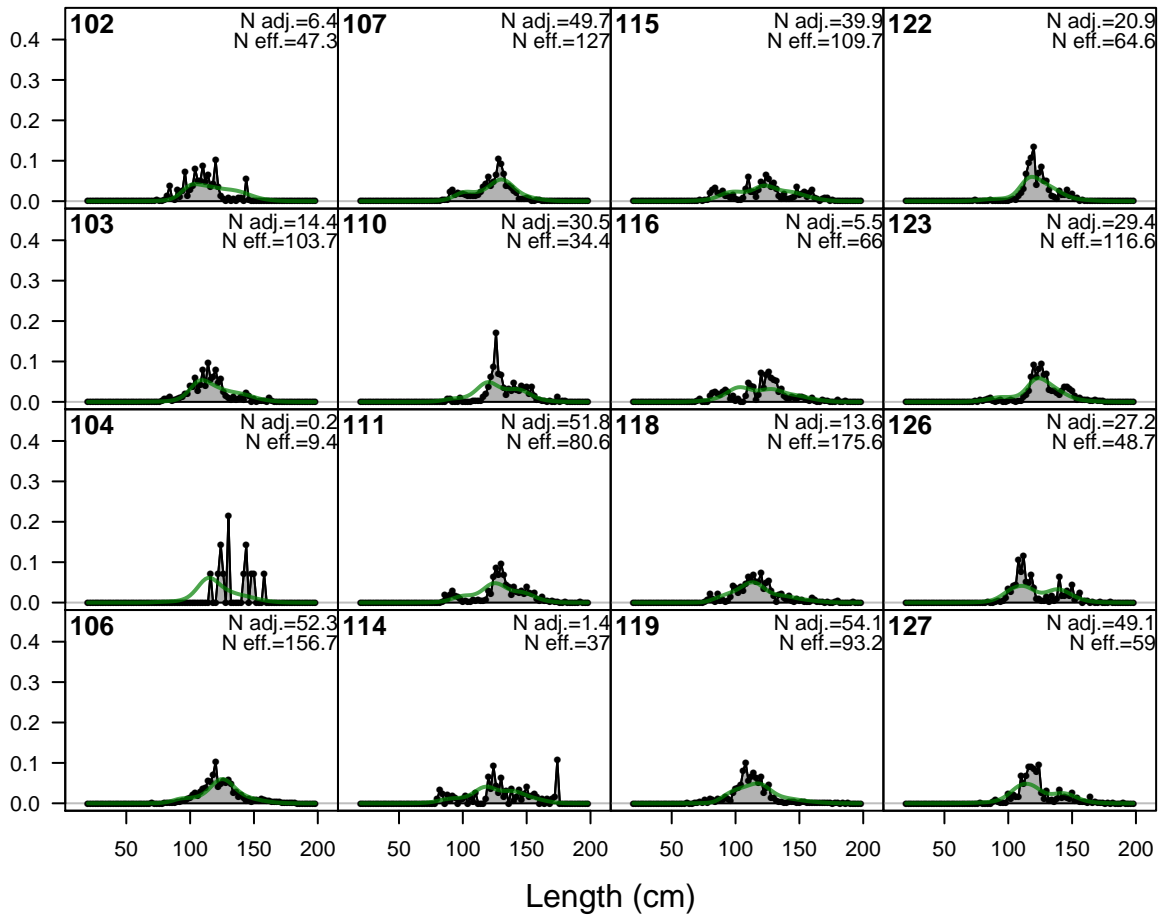




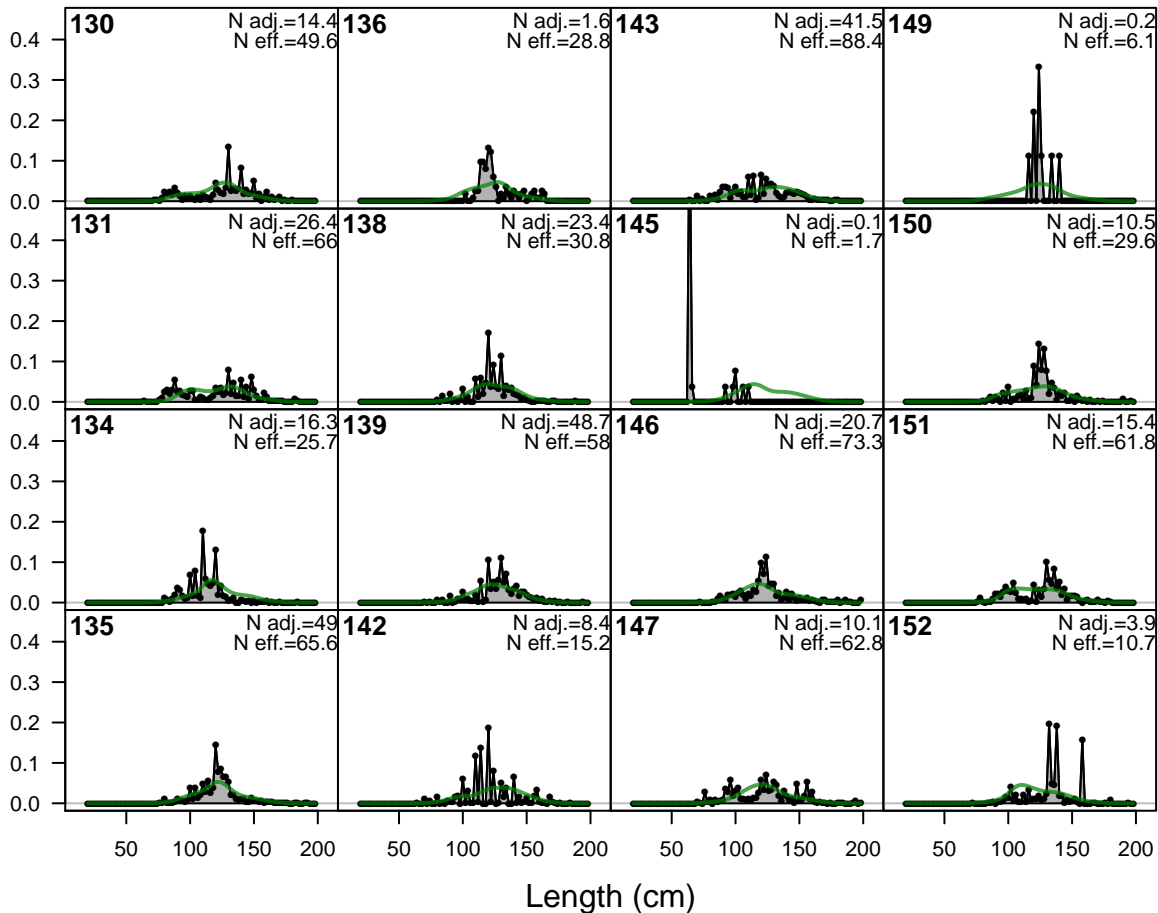
A5-LL-n (whole catch)

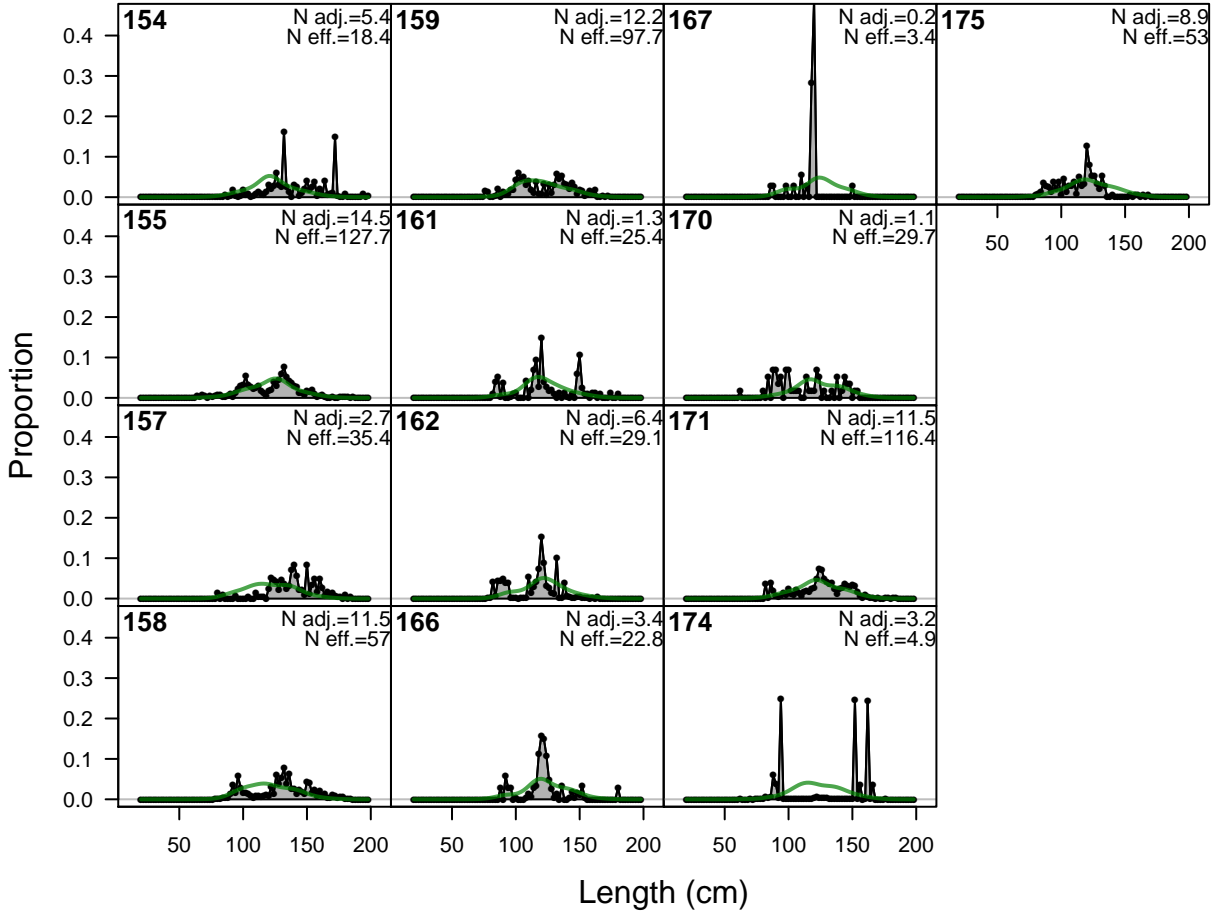


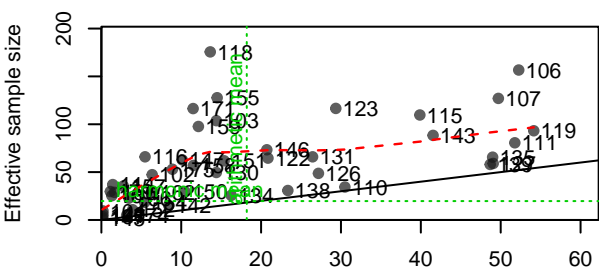
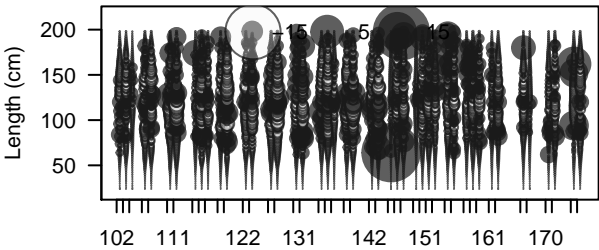
Proportion



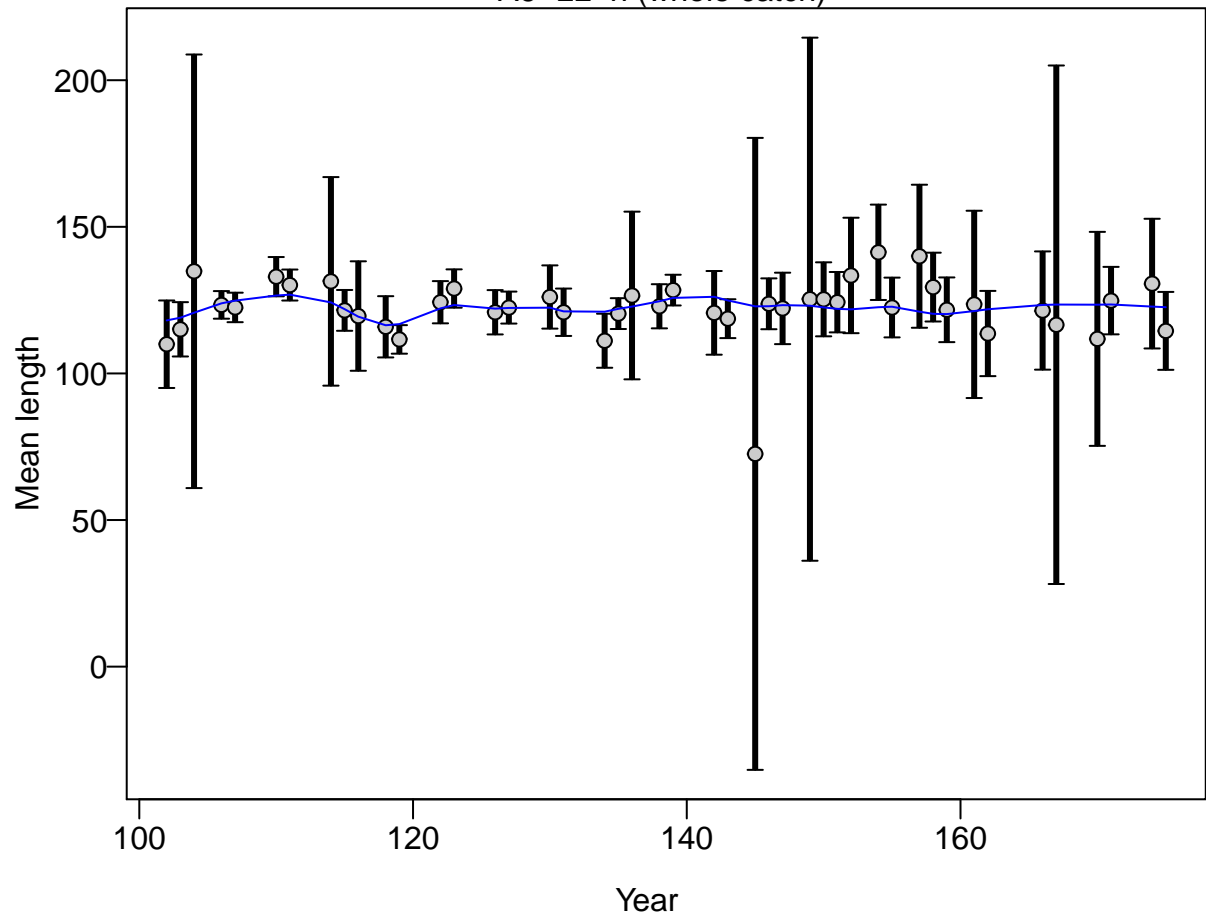
Proportion



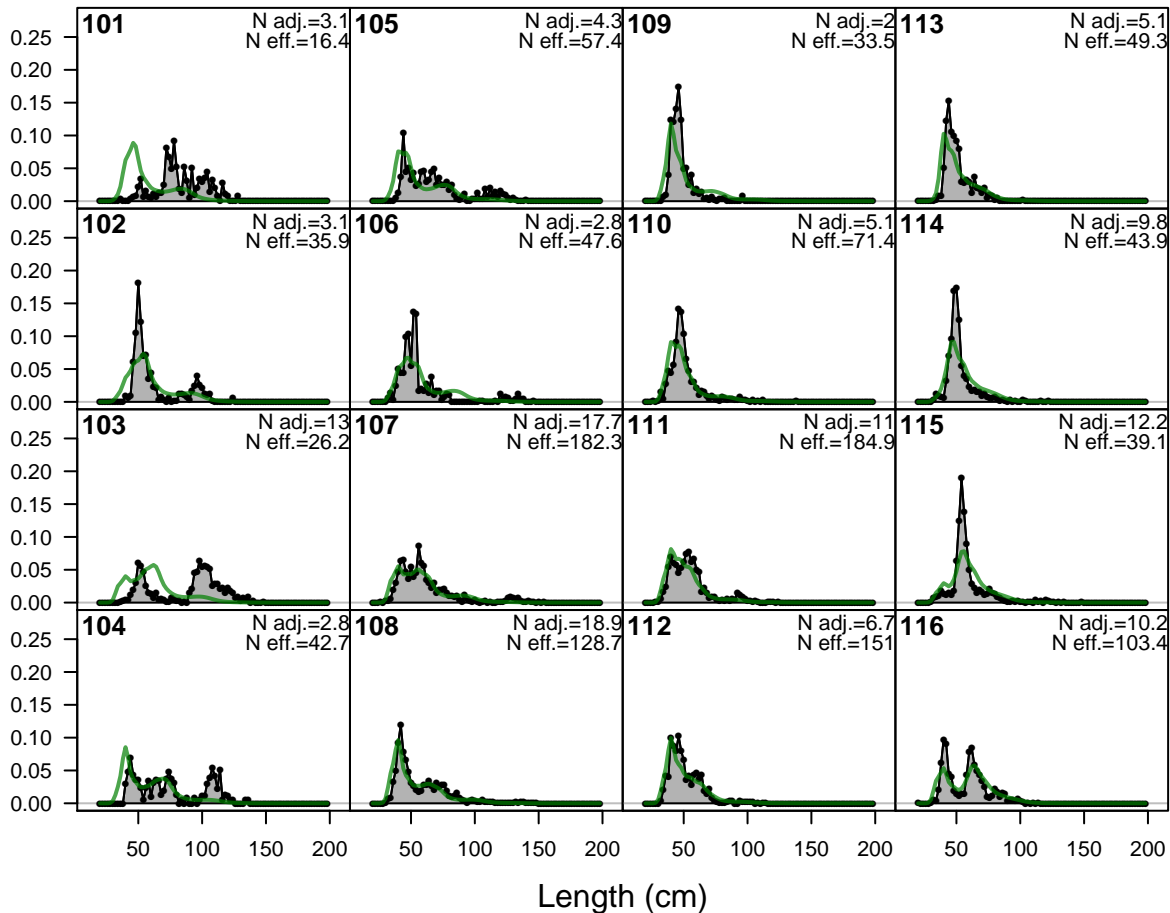




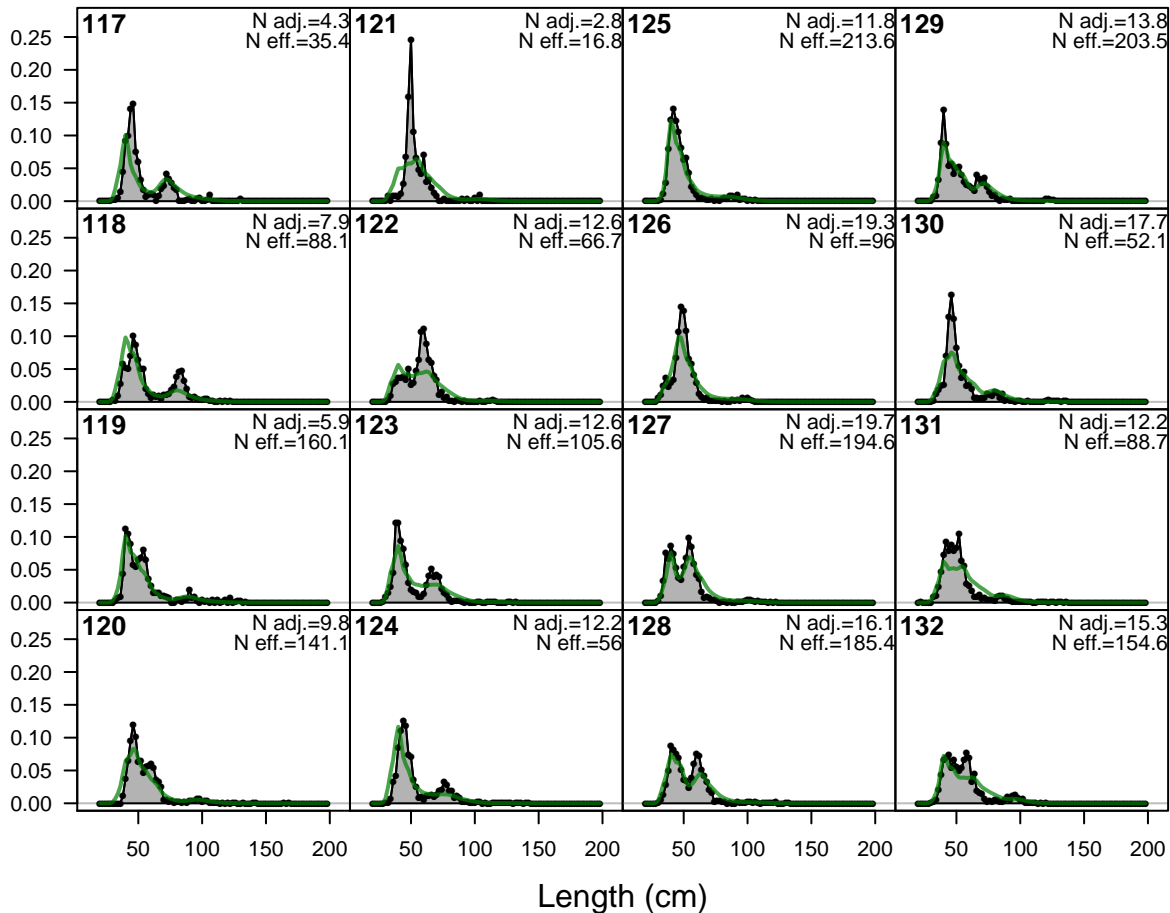
A6-LL-n (whole catch)



Proportion

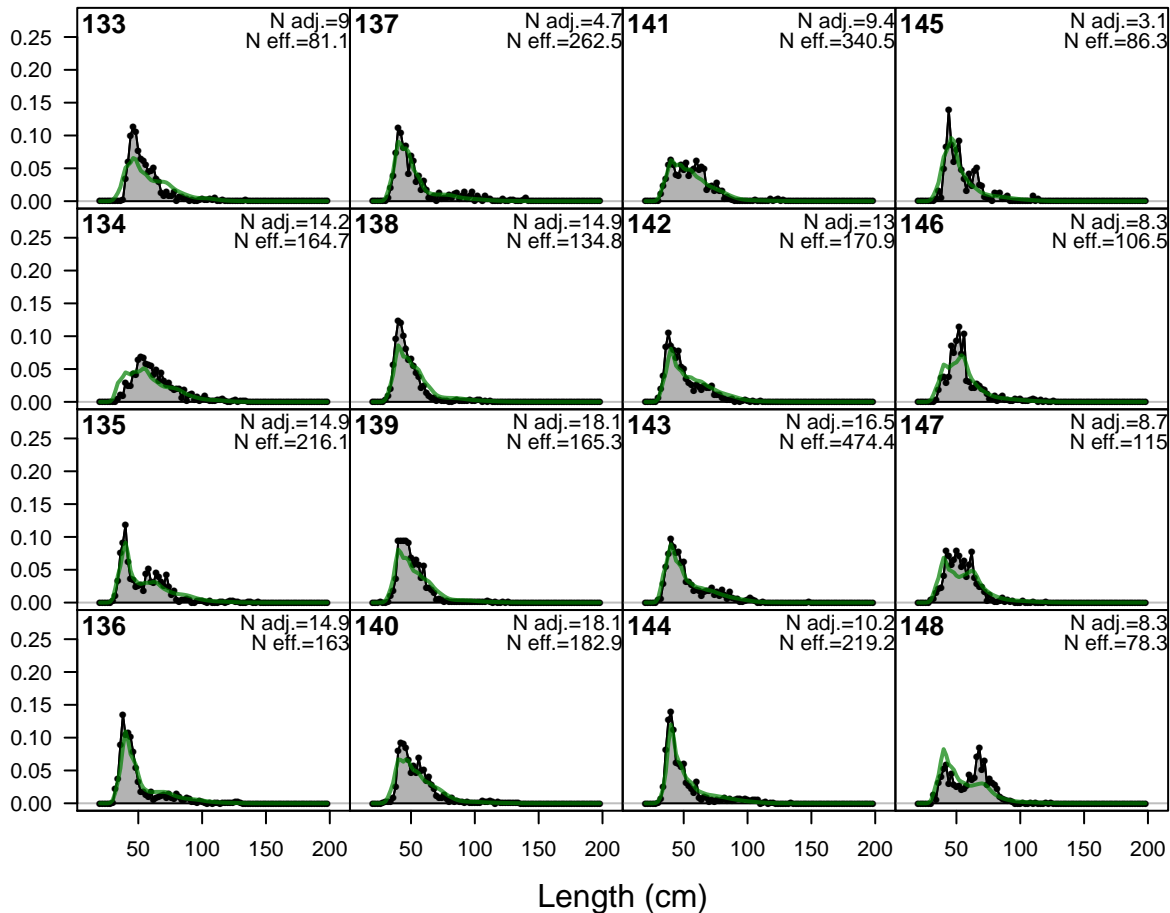


Proportion

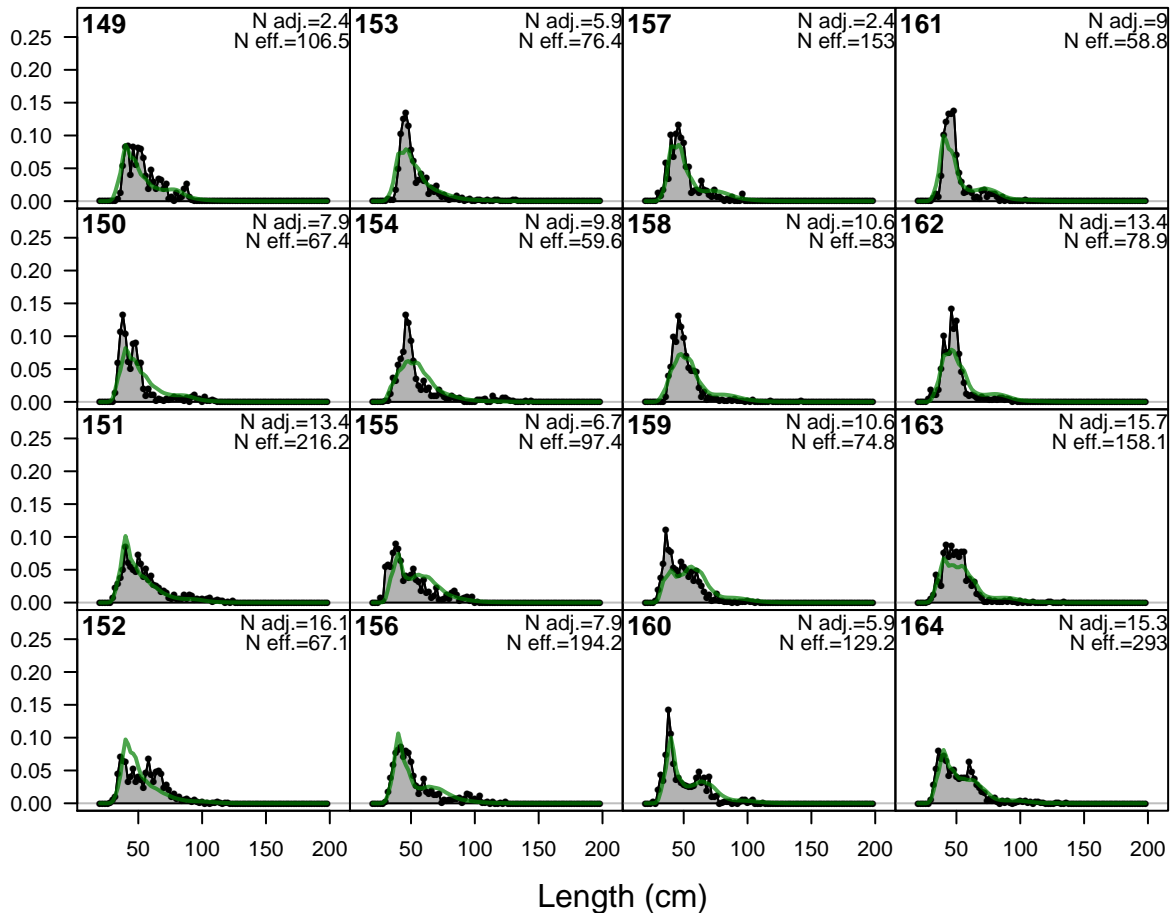




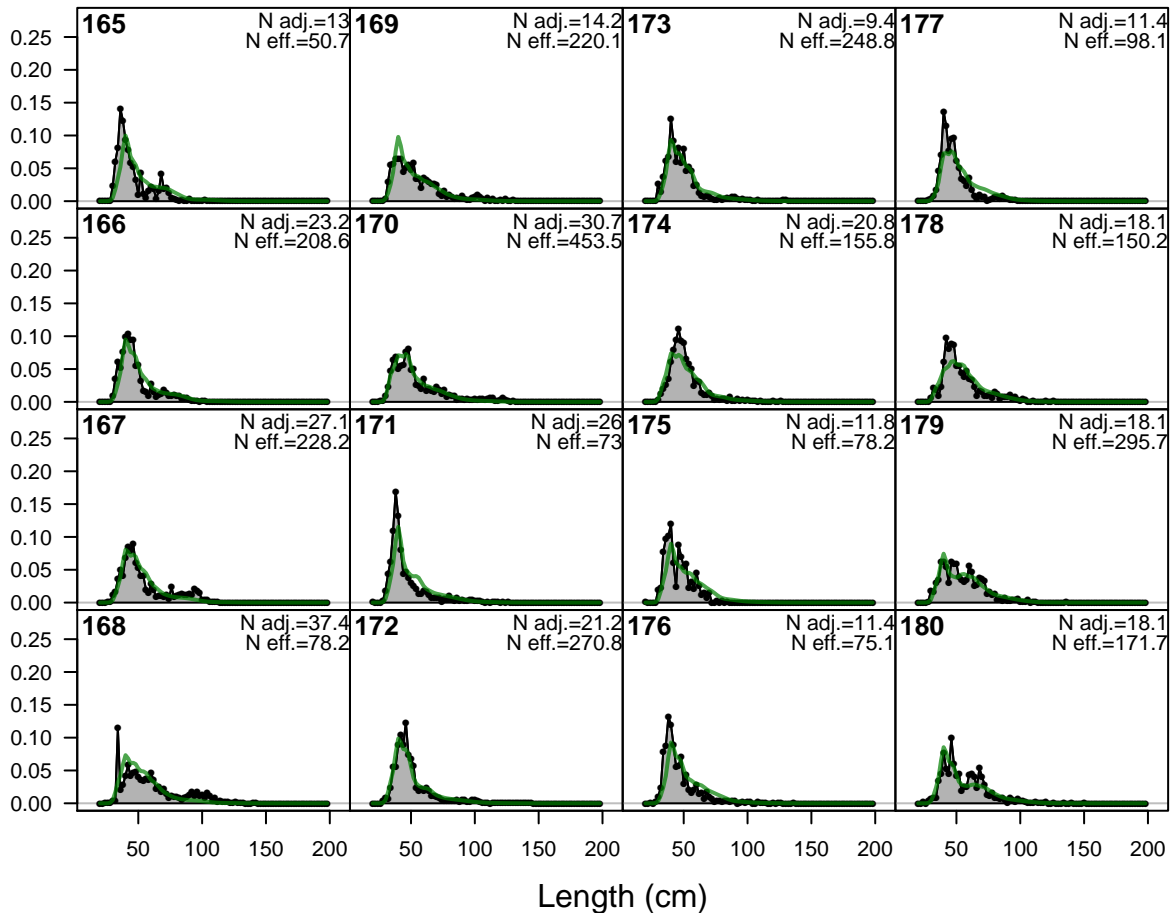
Proportion

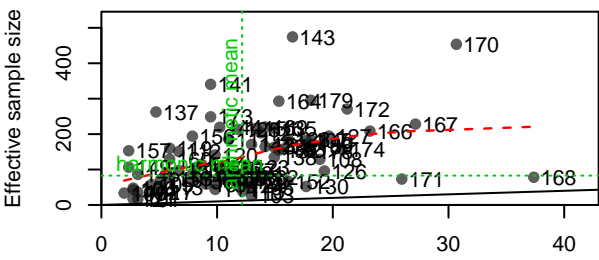
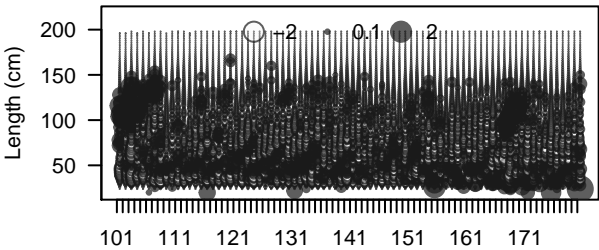


Proportion

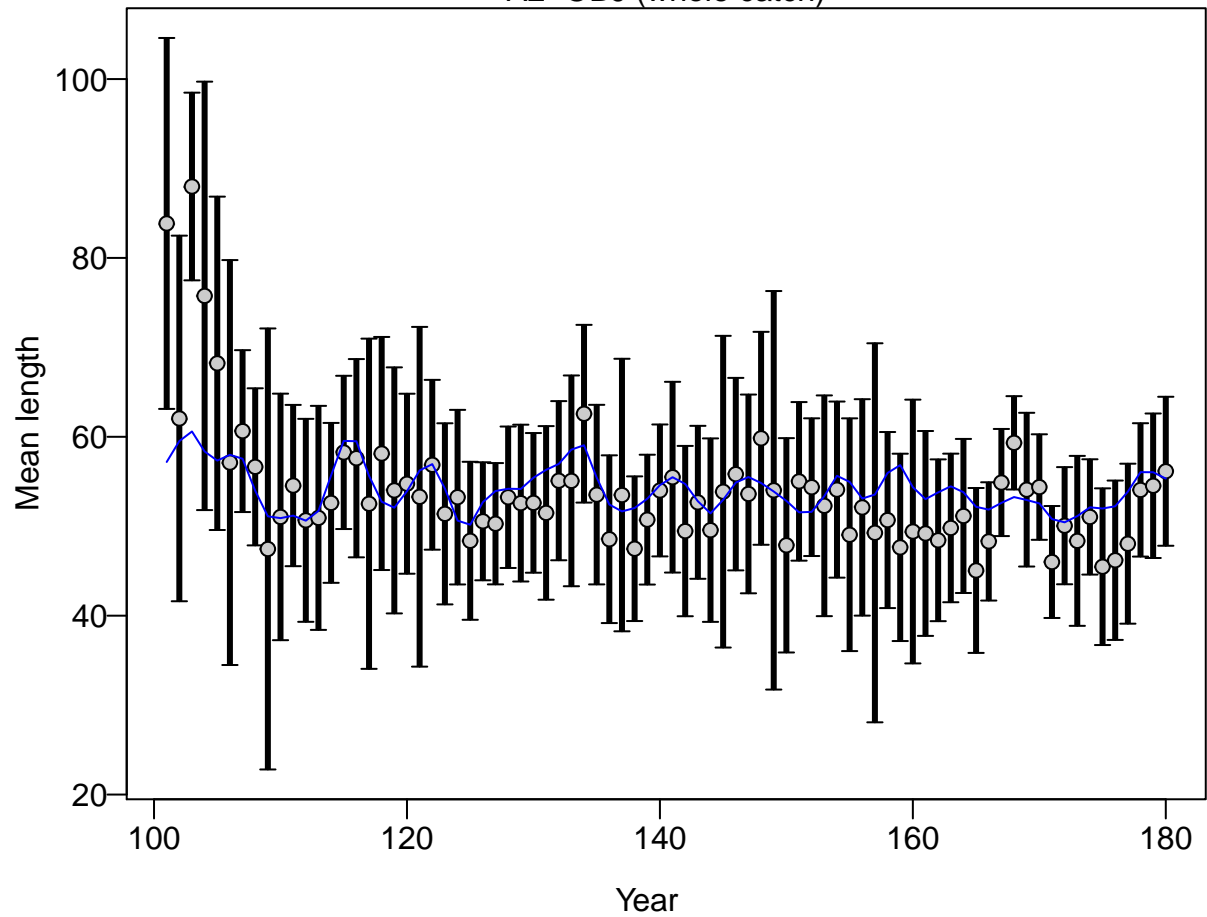


Proportion

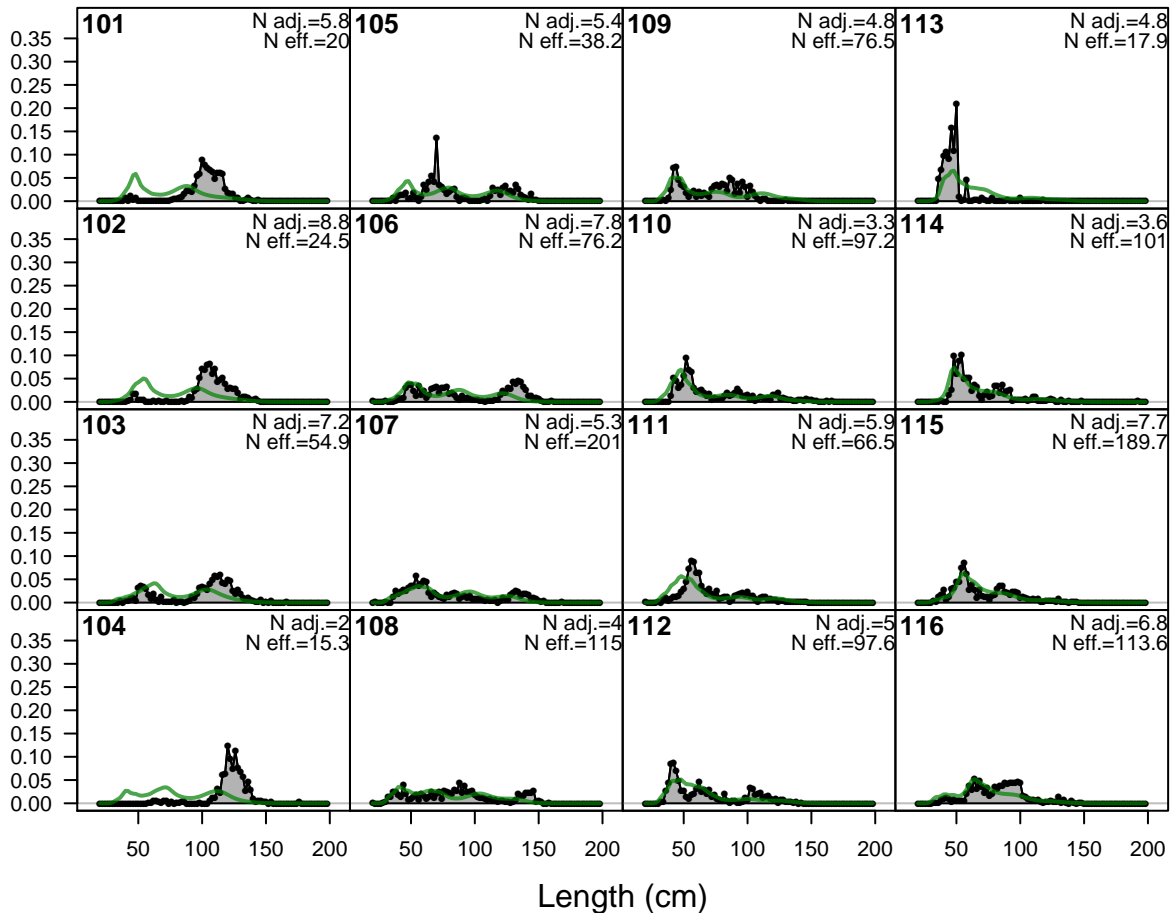




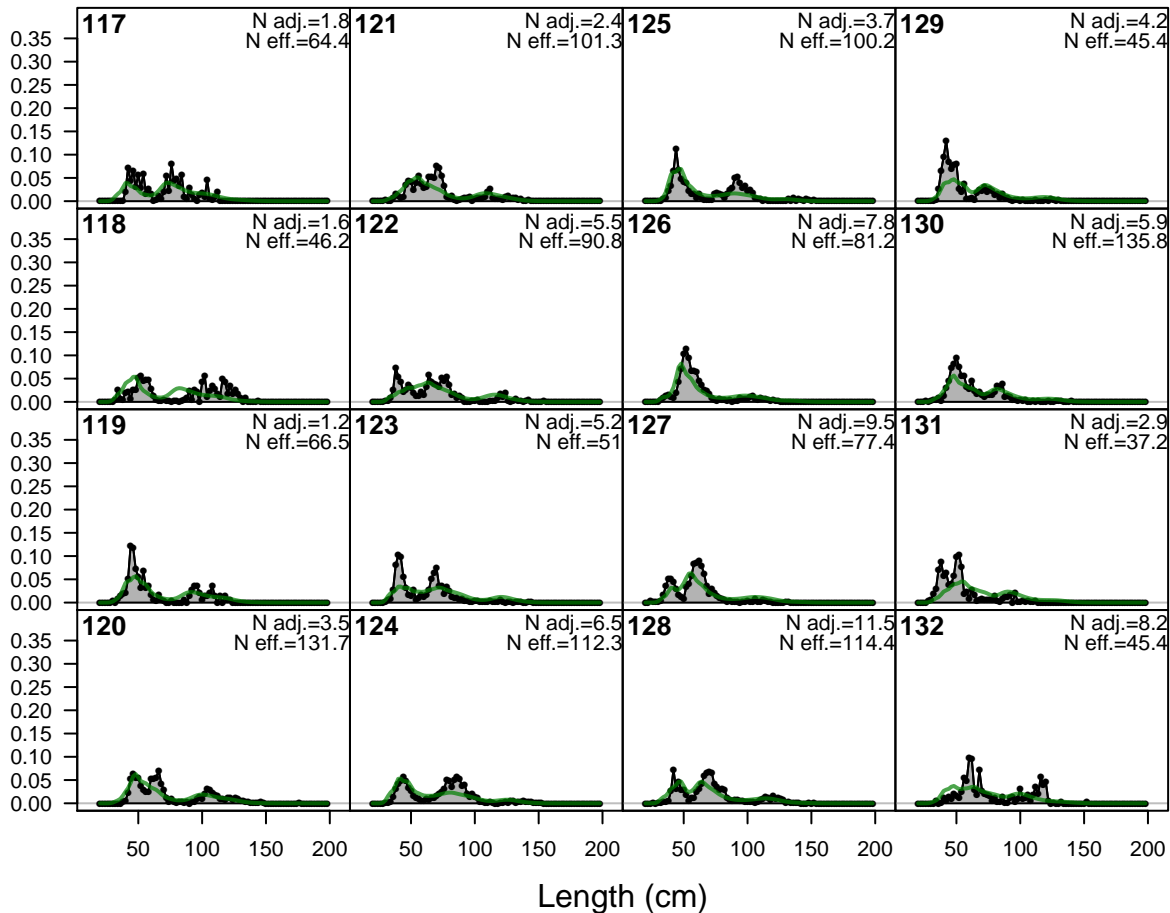
## A2-OBJ (whole catch)



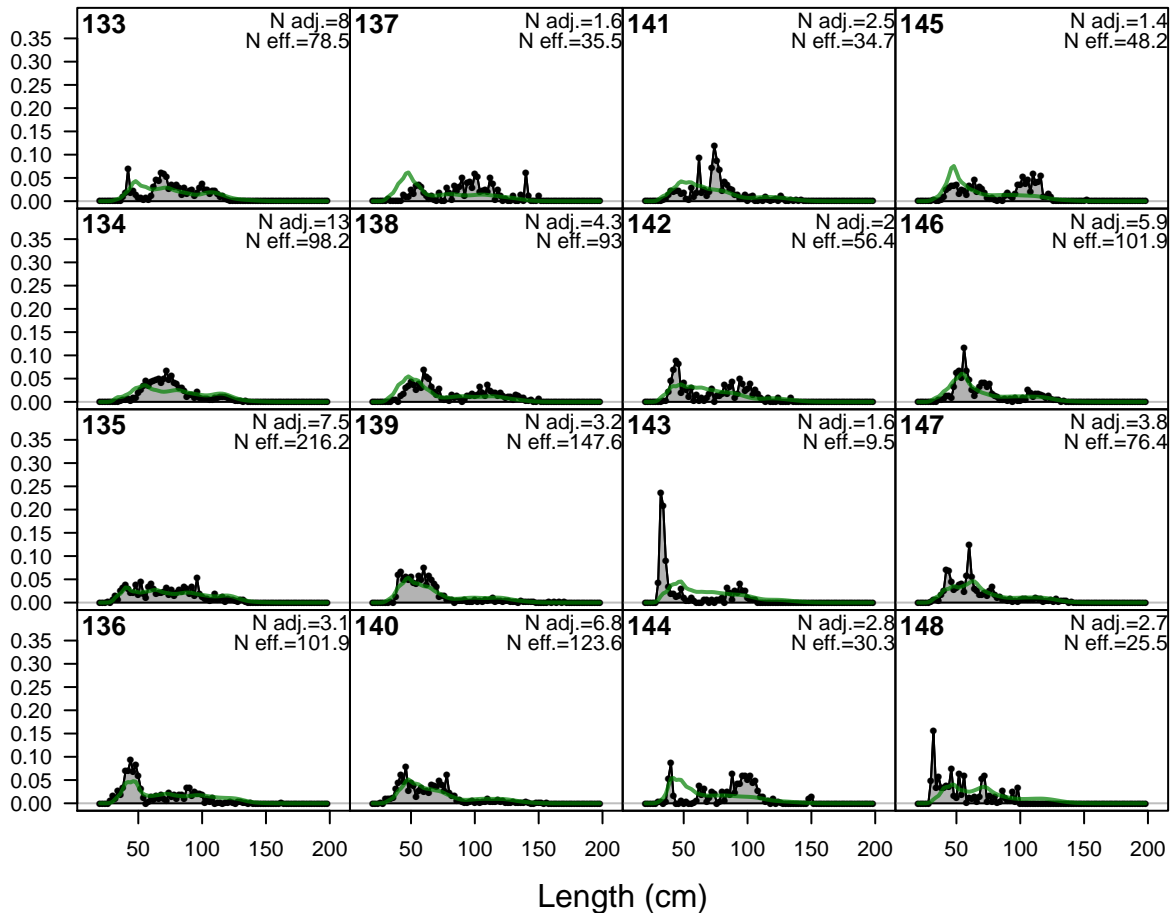
Proportion



Proportion

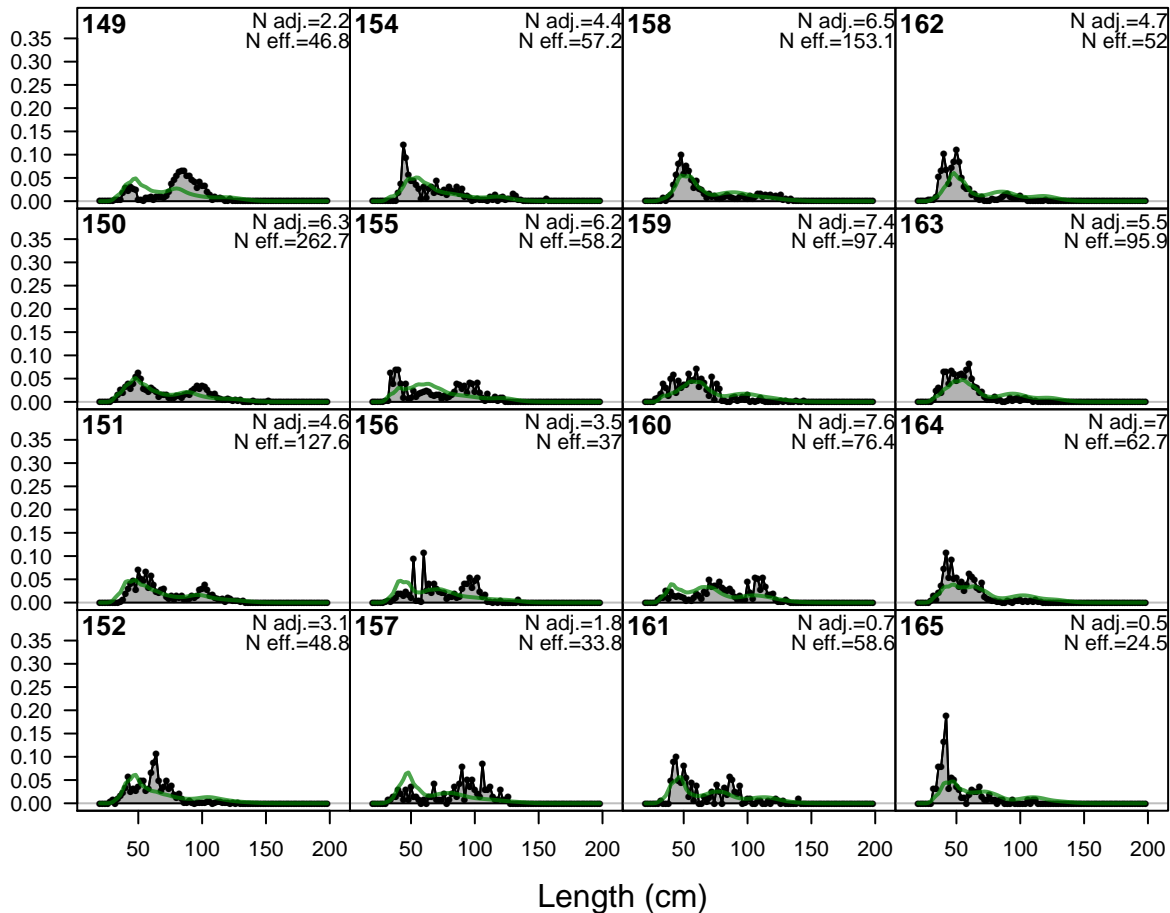


Proportion

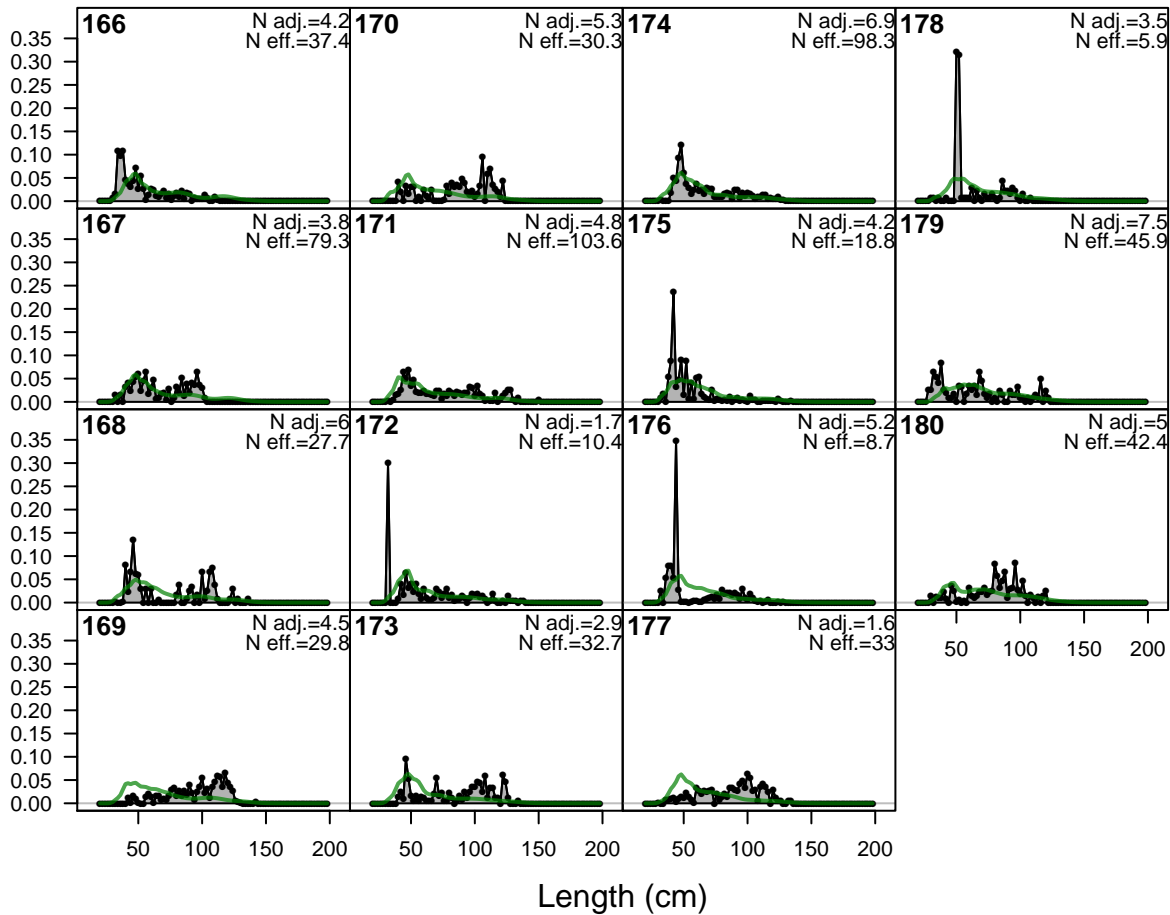


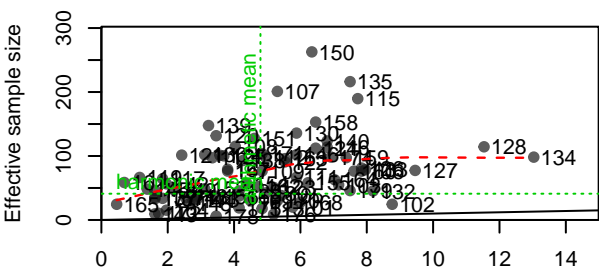
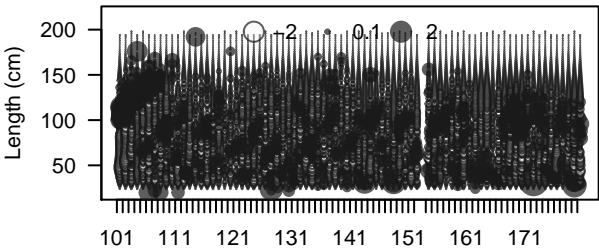


Proportion

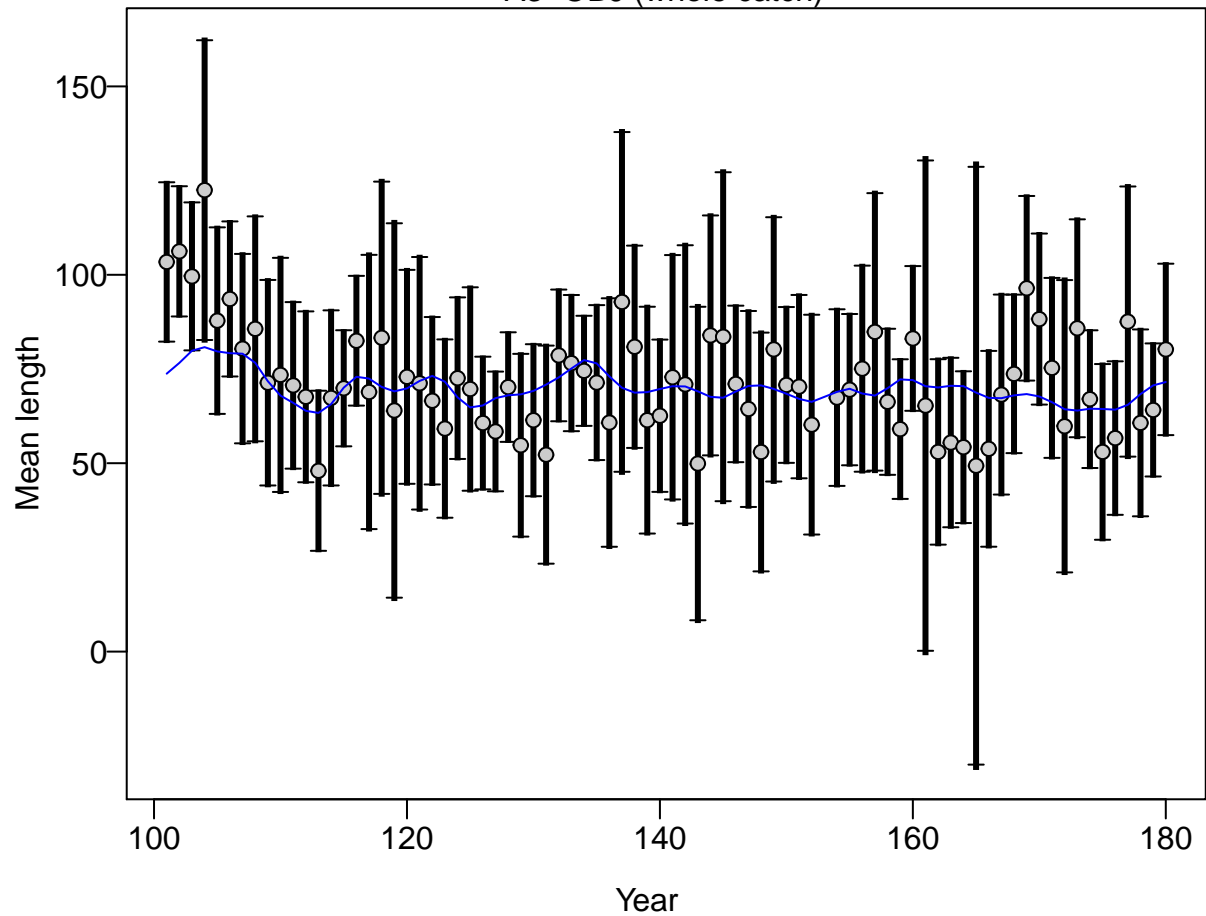


Proportion

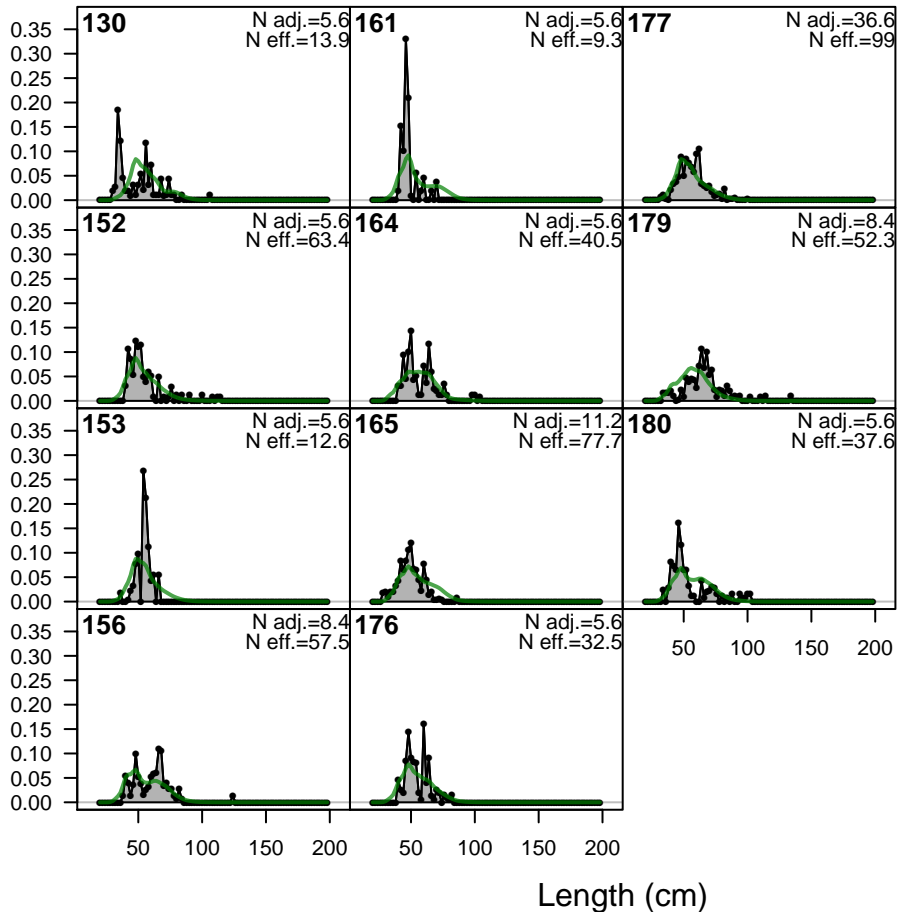




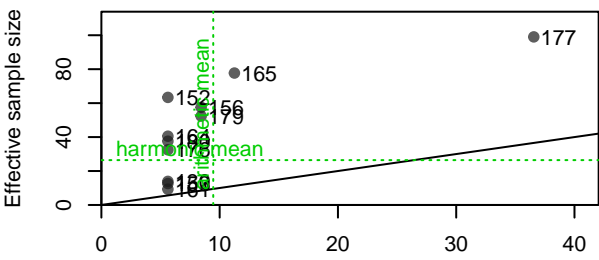
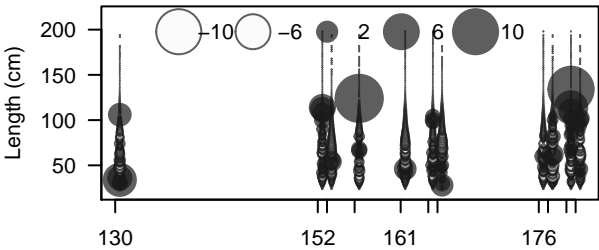
A3-OBJ (whole catch)



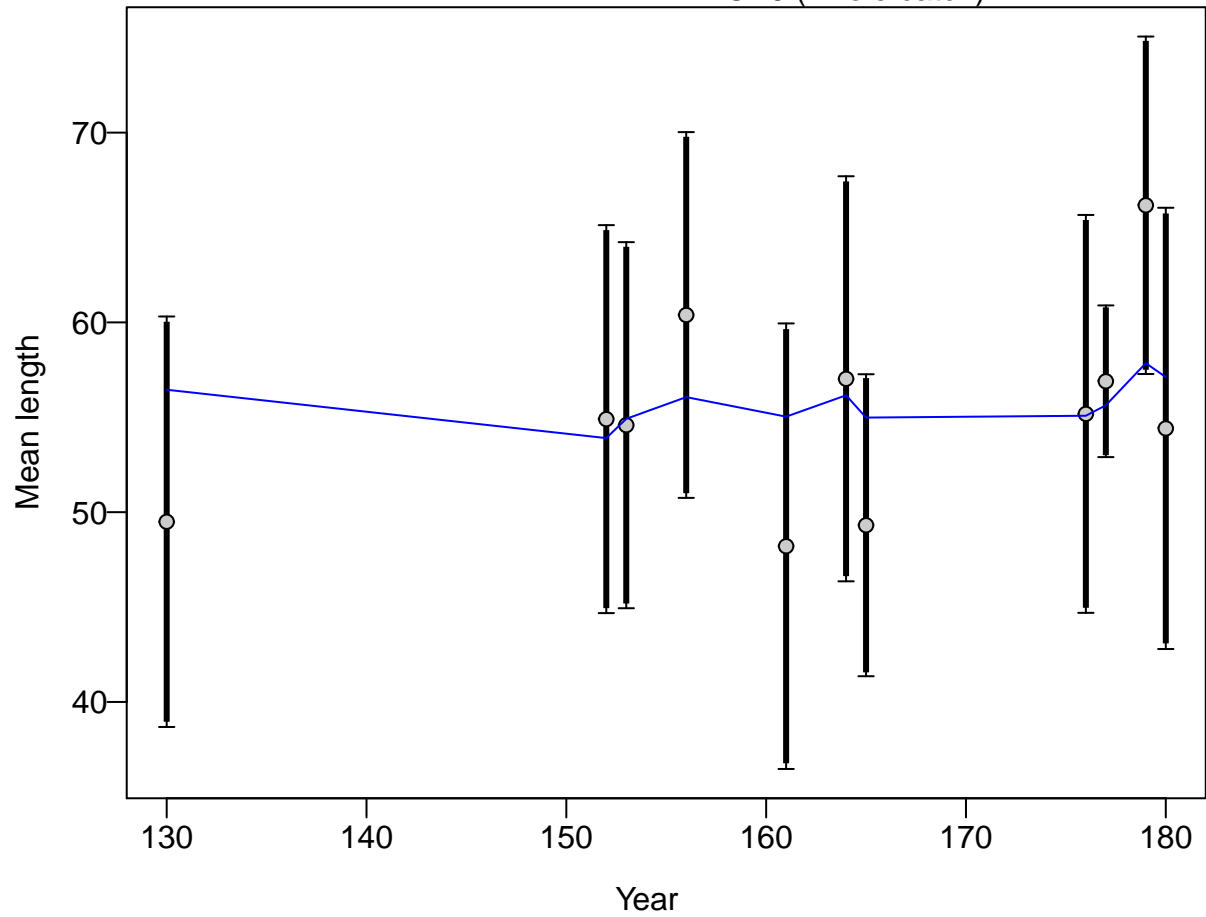
Proportion



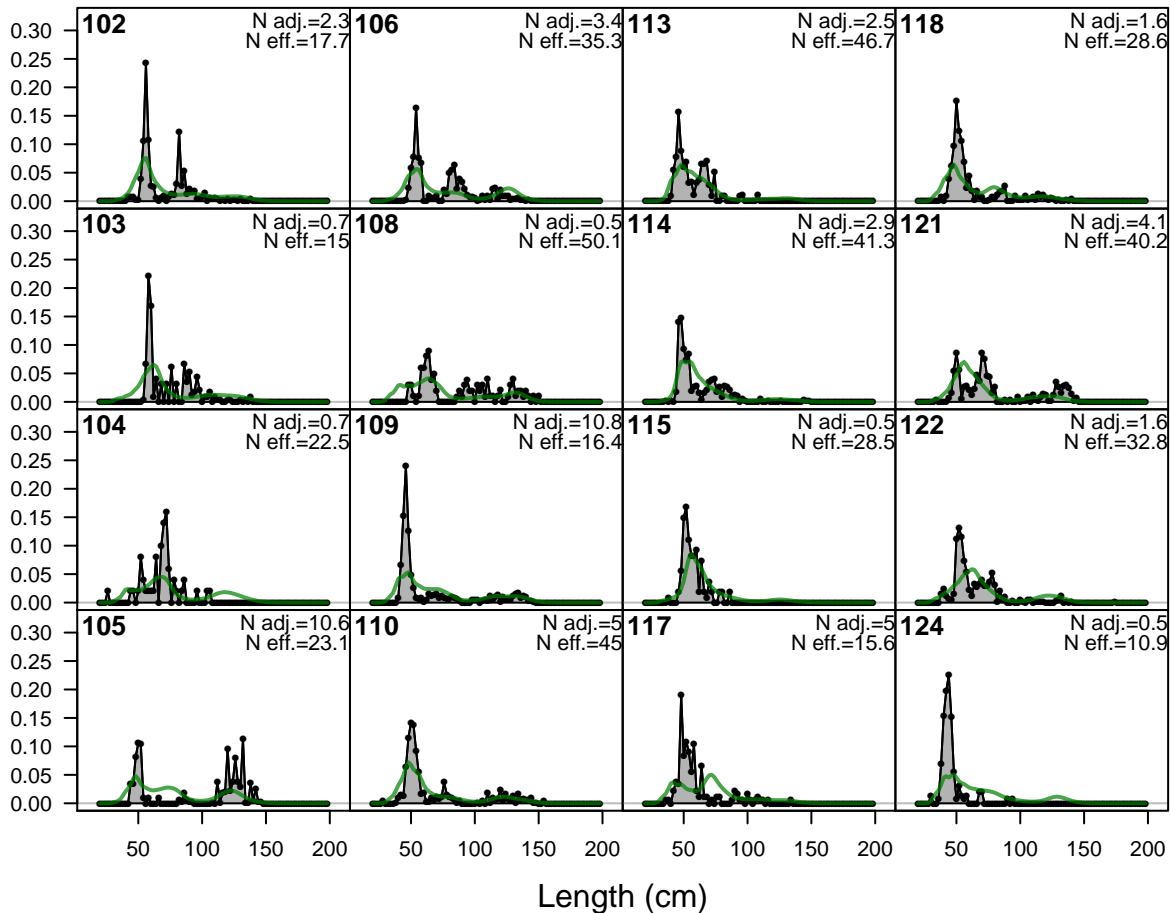
Length (cm)



A4-Obj (whole catch)

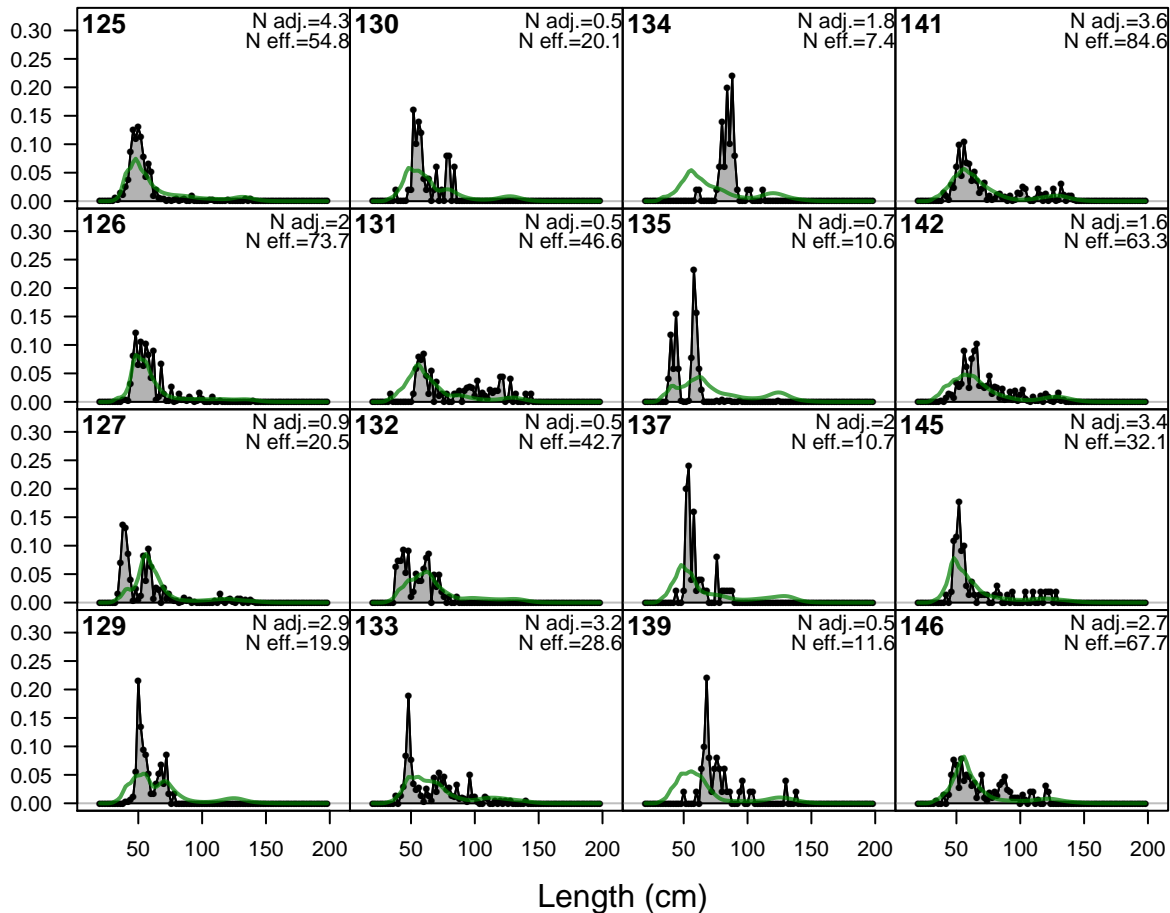


Proportion

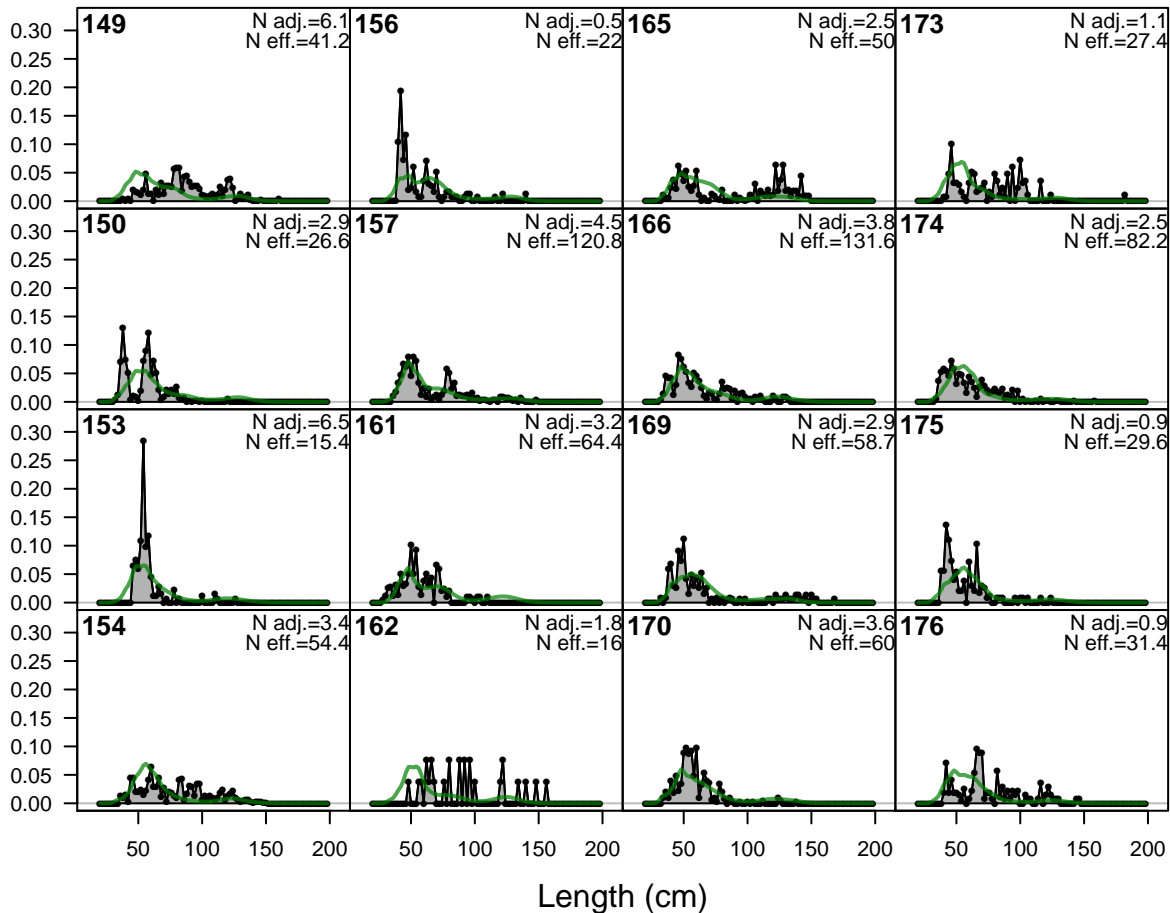




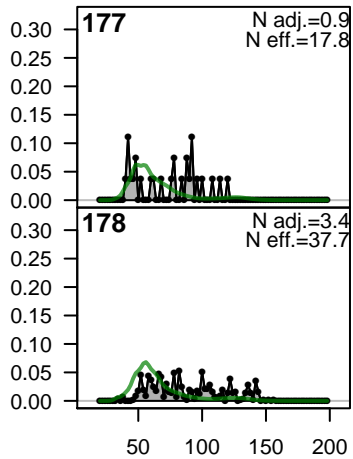
Proportion



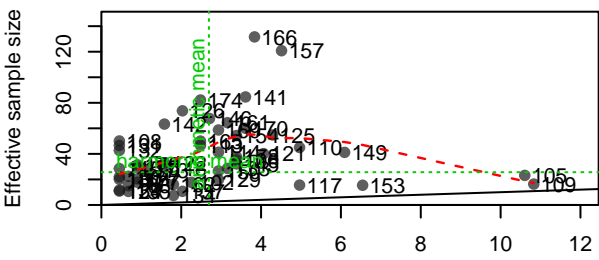
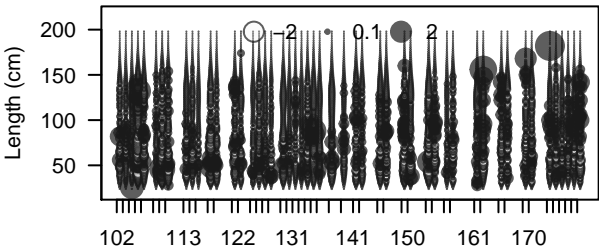
Proportion



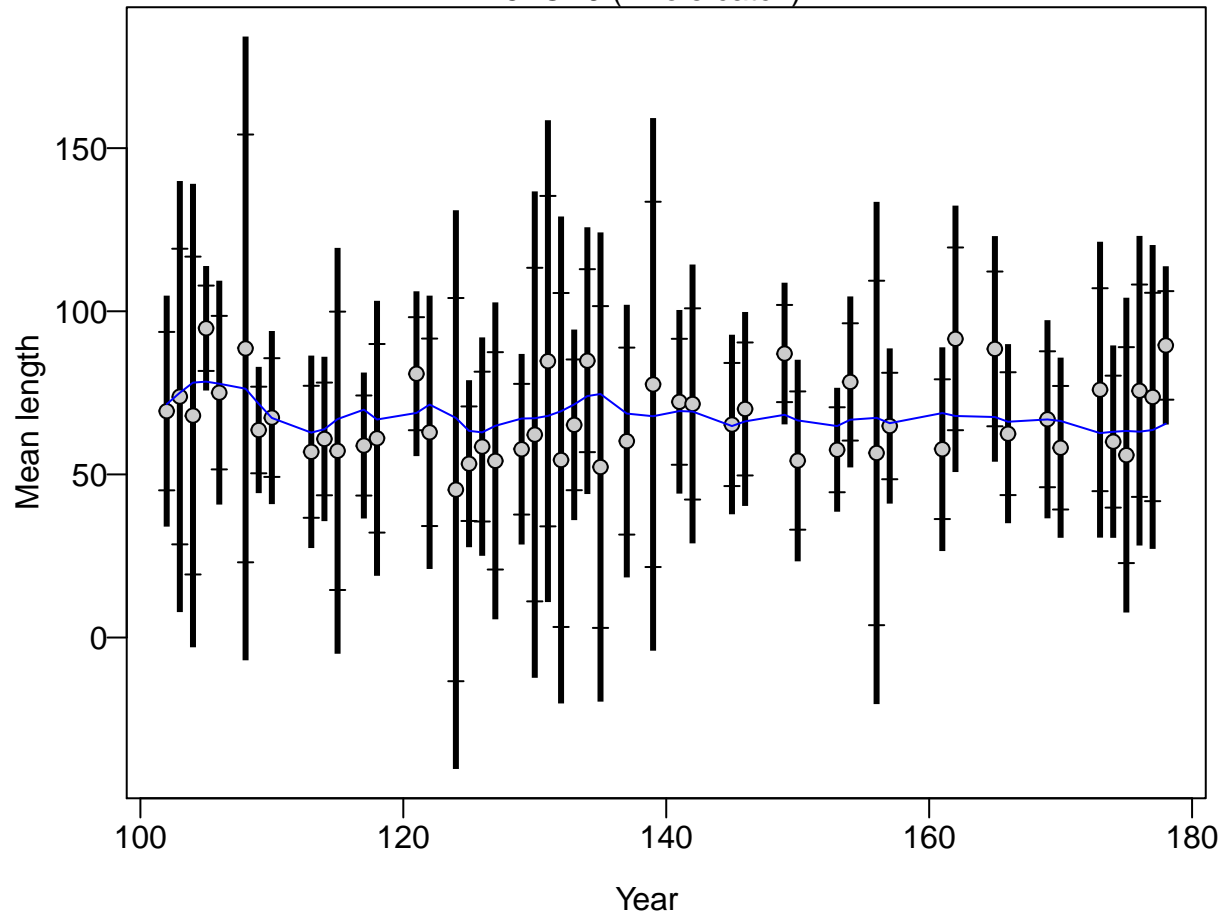
Proportion



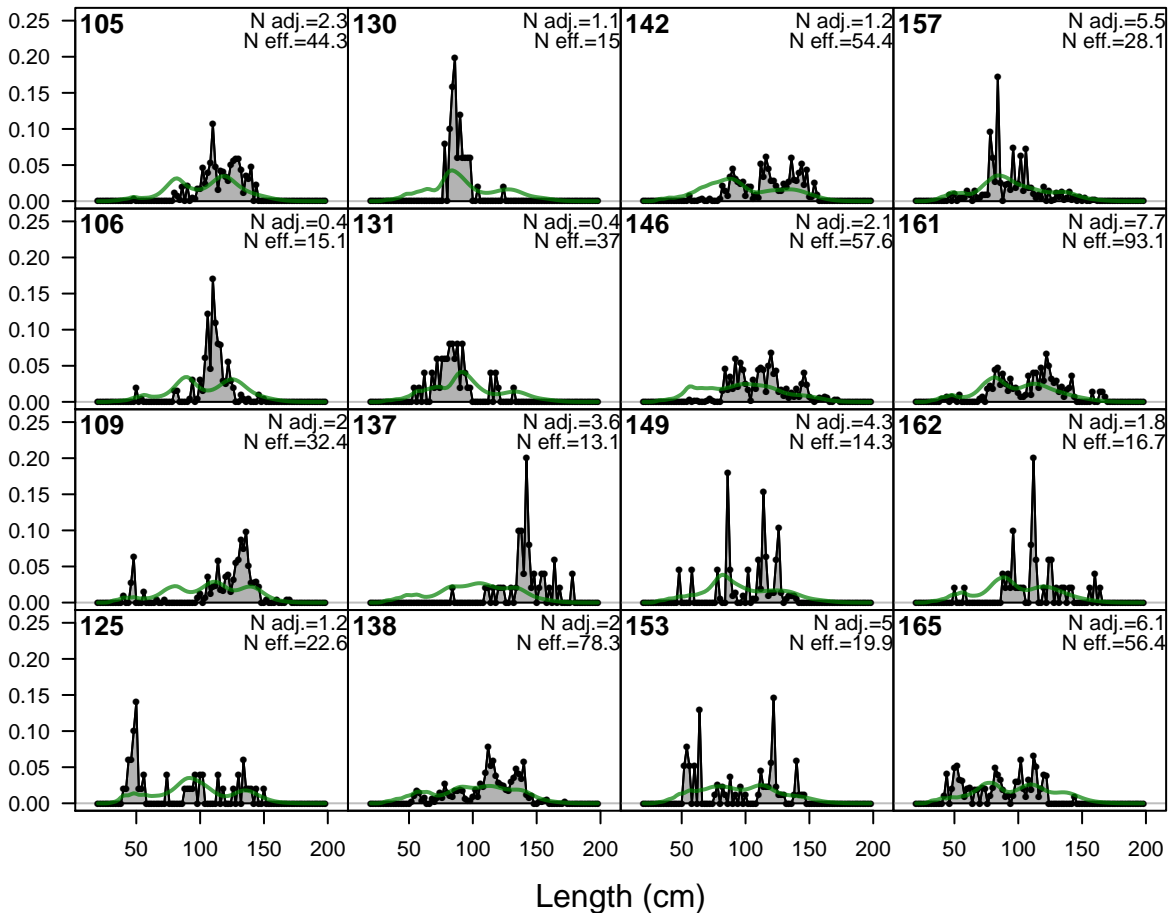
Length (cm)



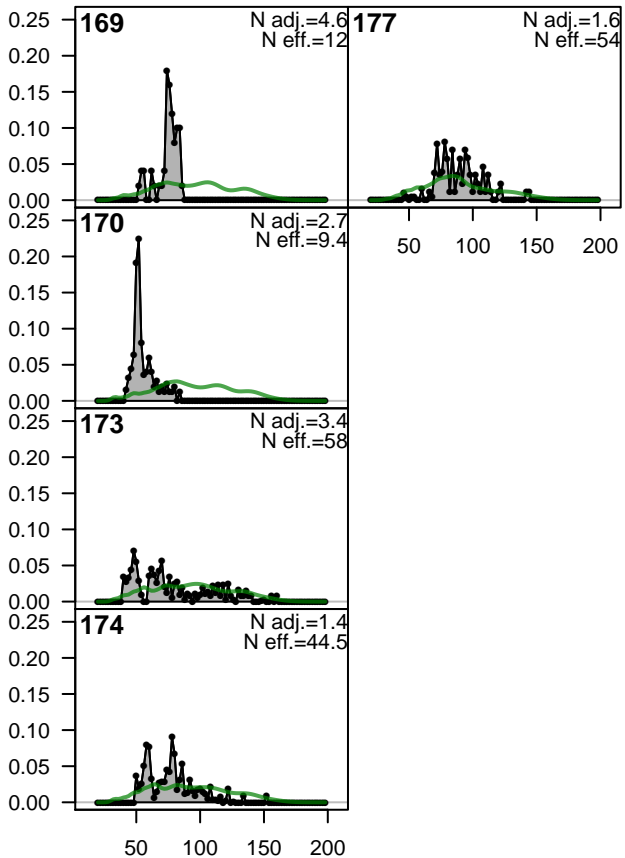
A5-OBJ (whole catch)



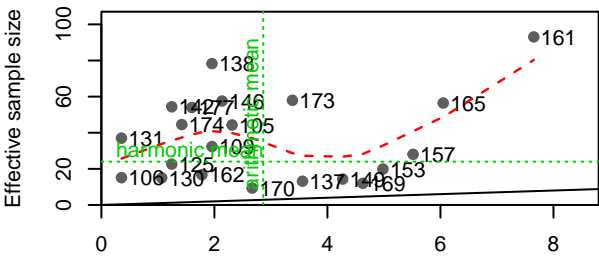
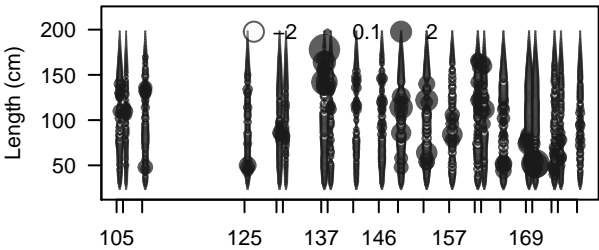
Proportion



Proportion

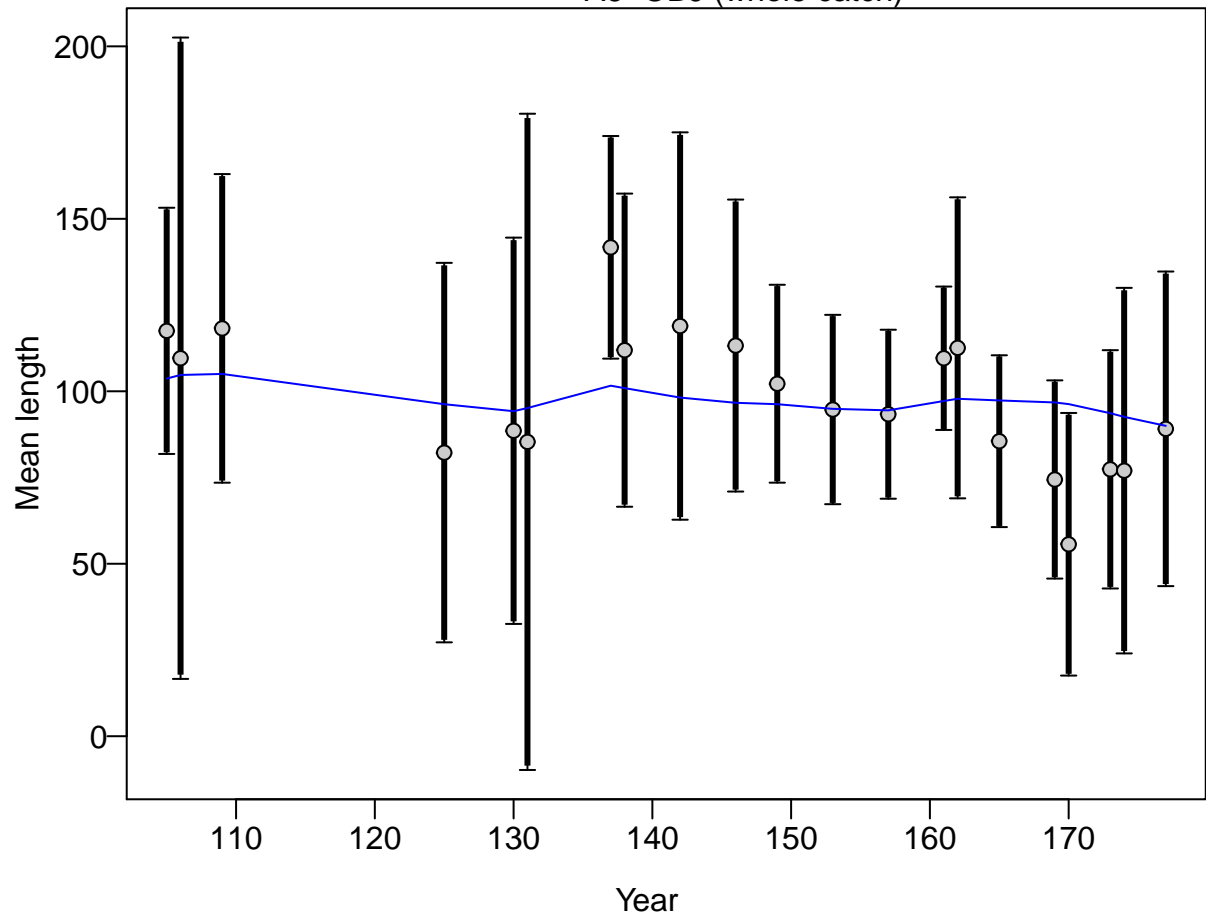


Length (cm)

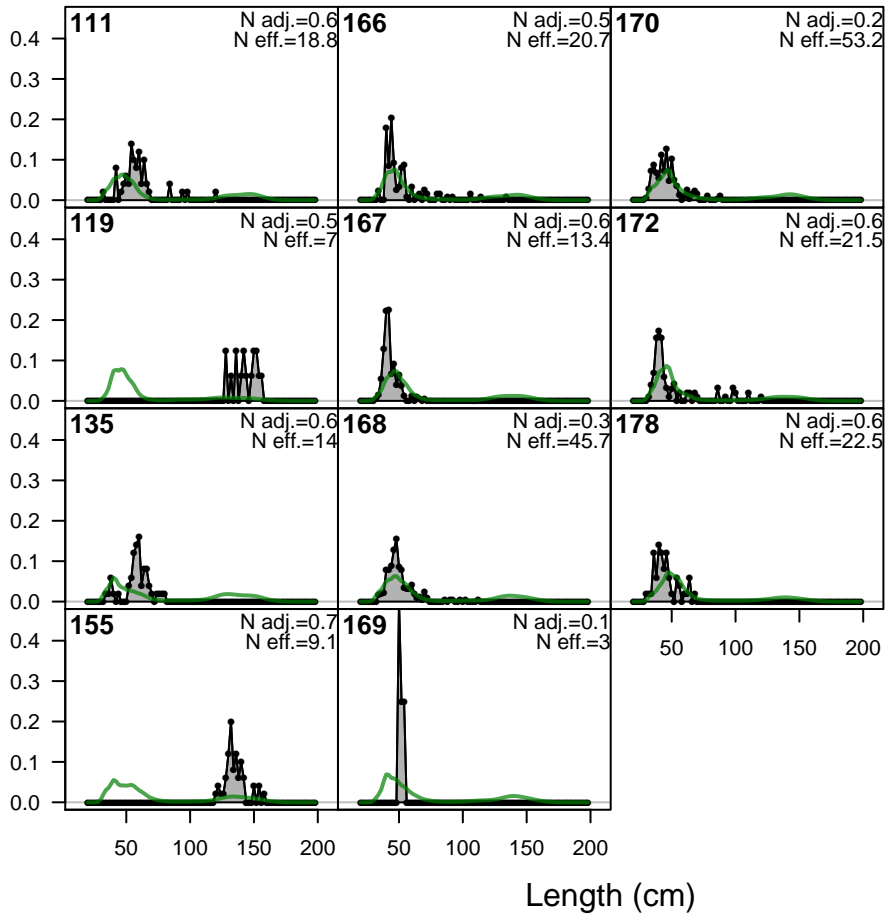


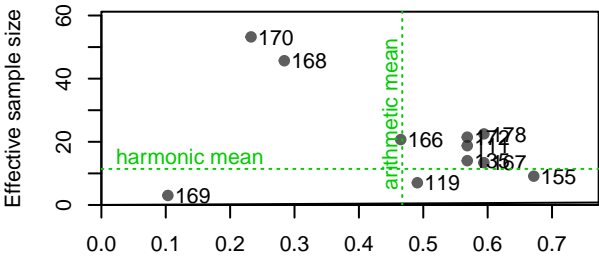
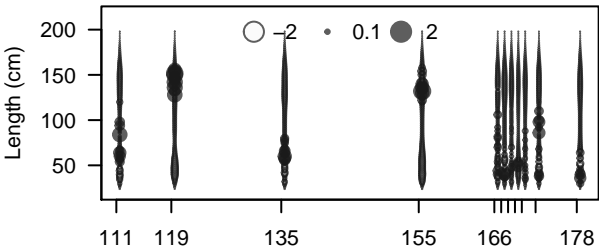


## A6-OBJ (whole catch)

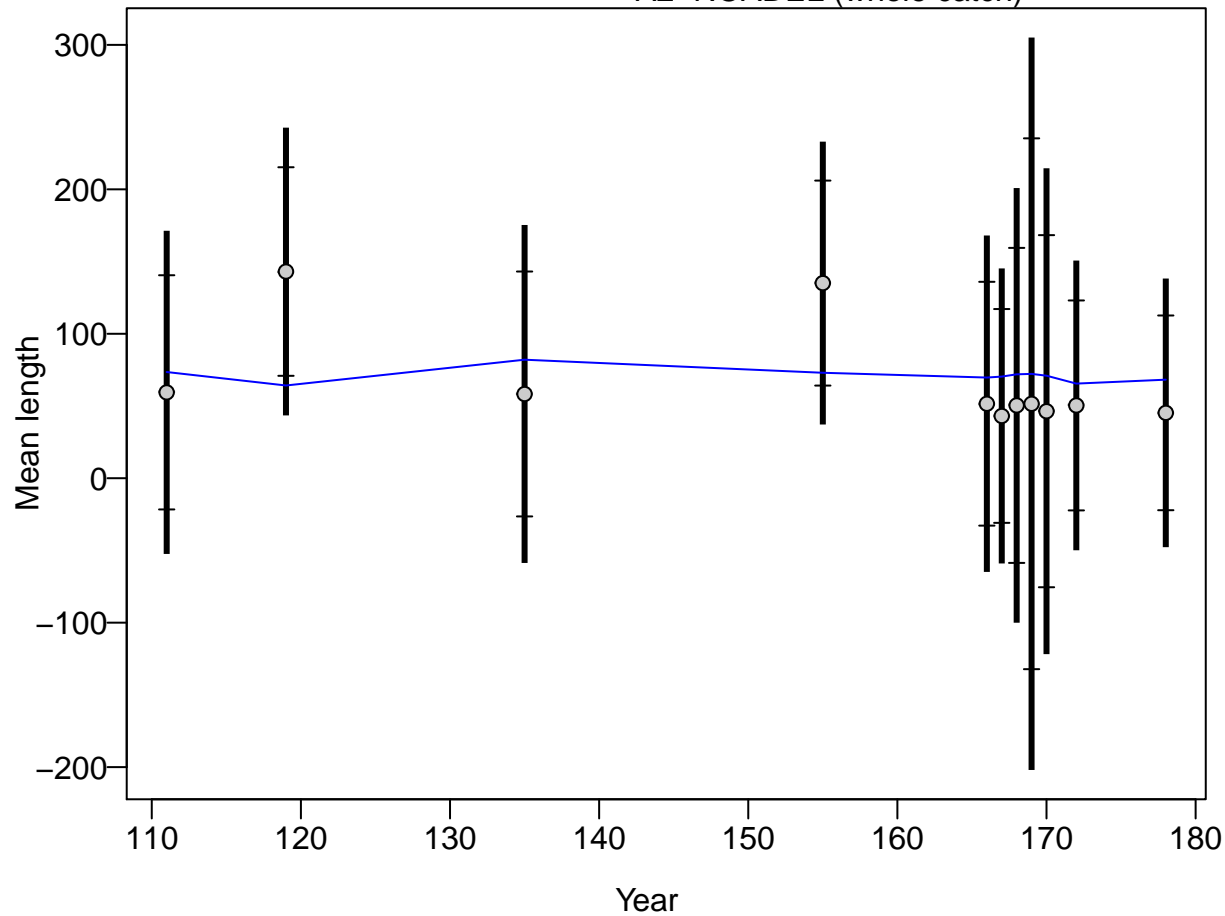


Proportion

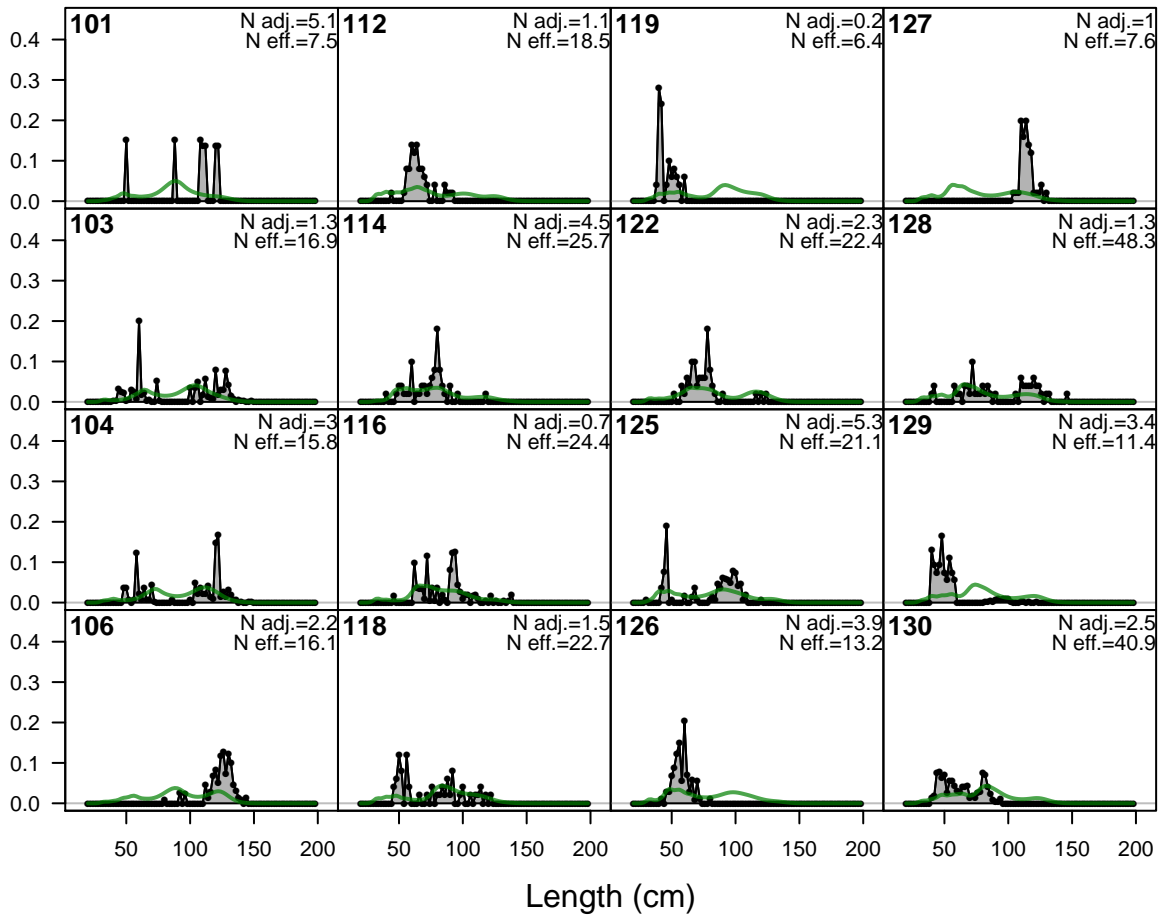




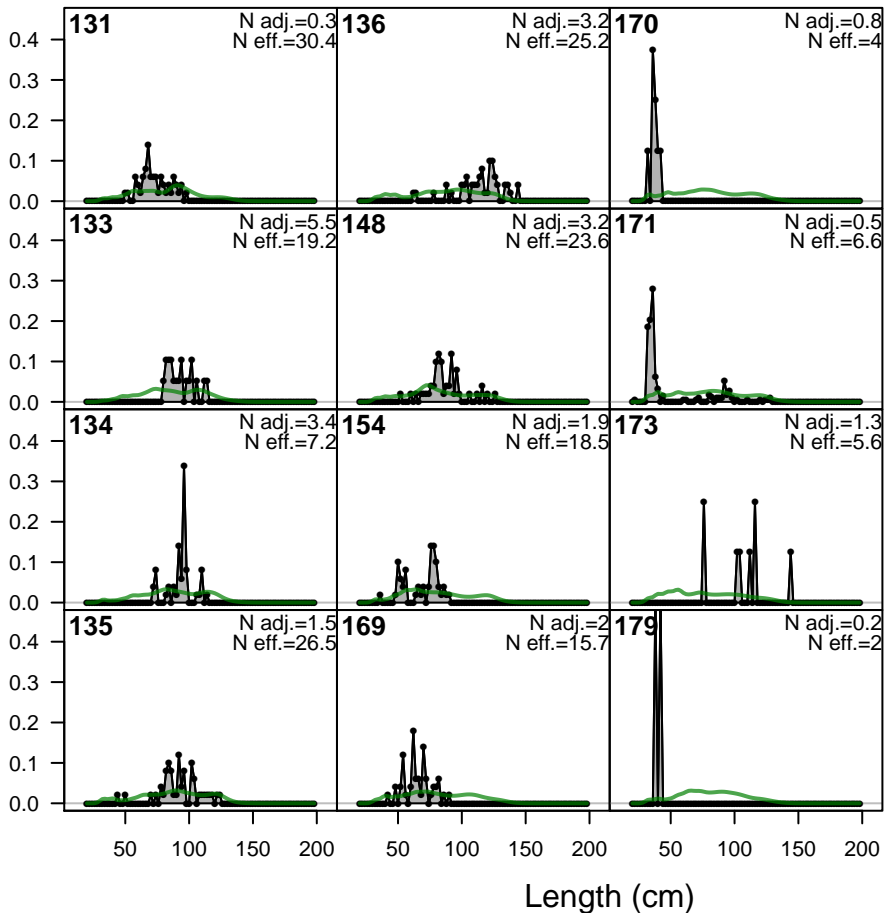
A2-NOADEL (whole catch)

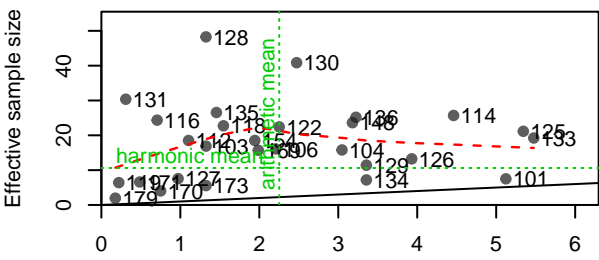
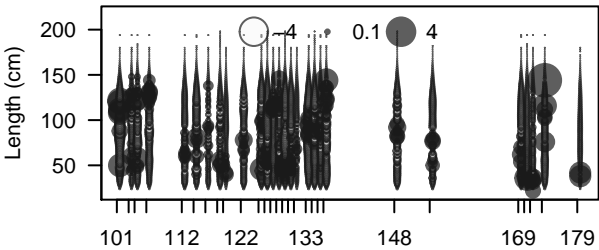


Proportion

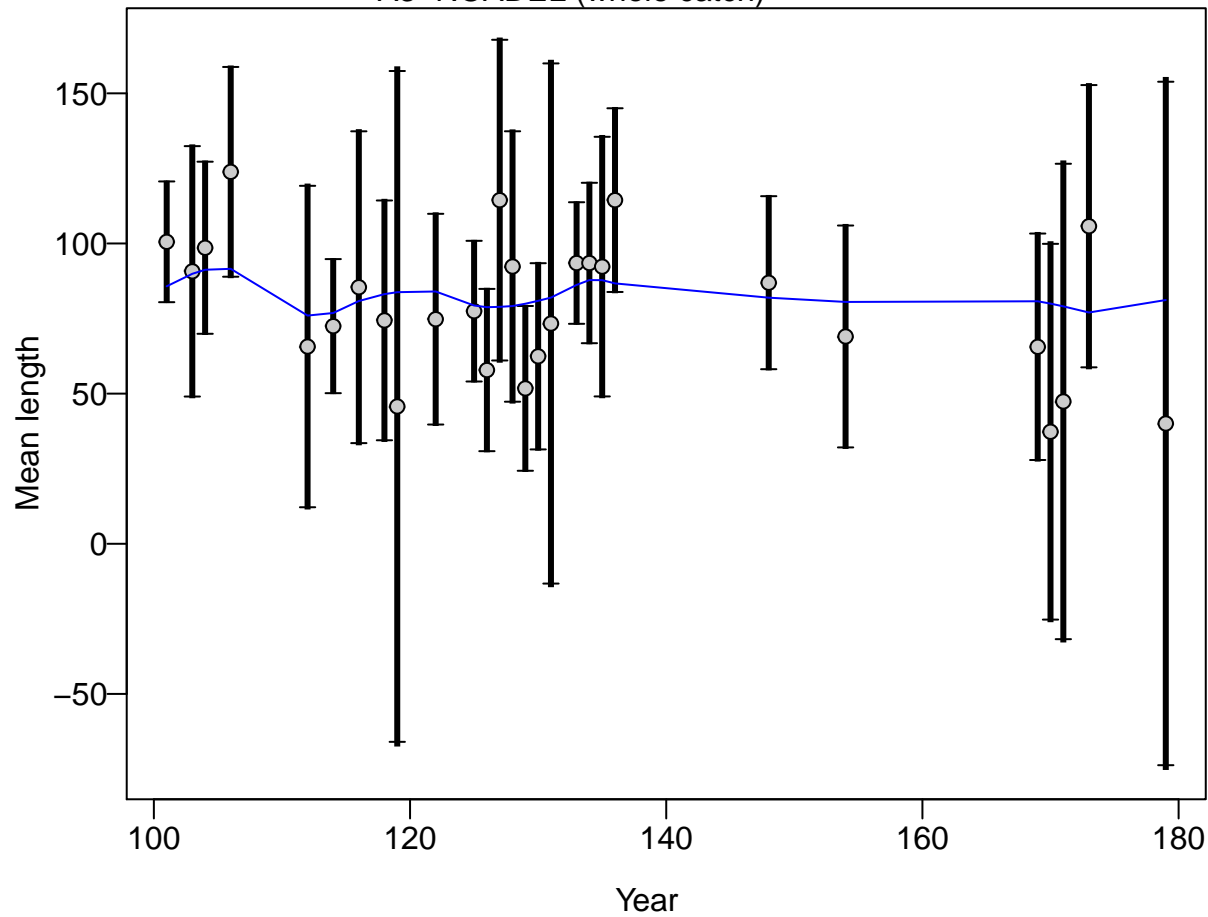


Proportion

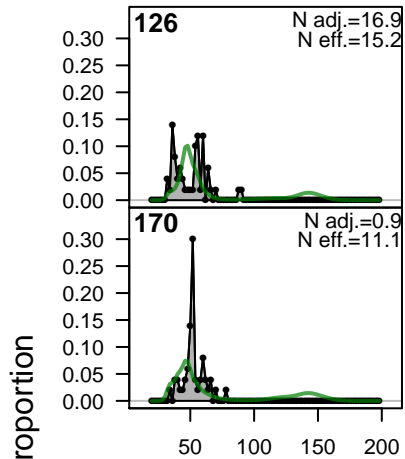




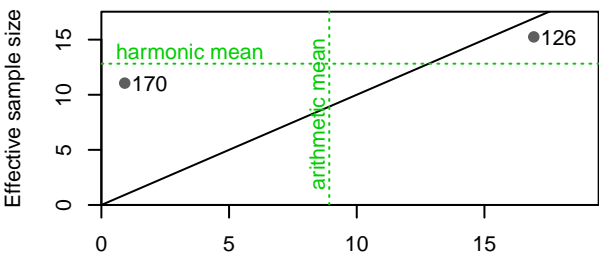
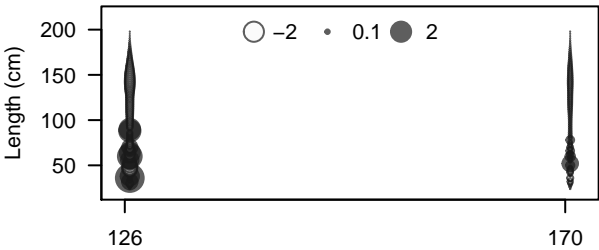
A3-NOADEL (whole catch)



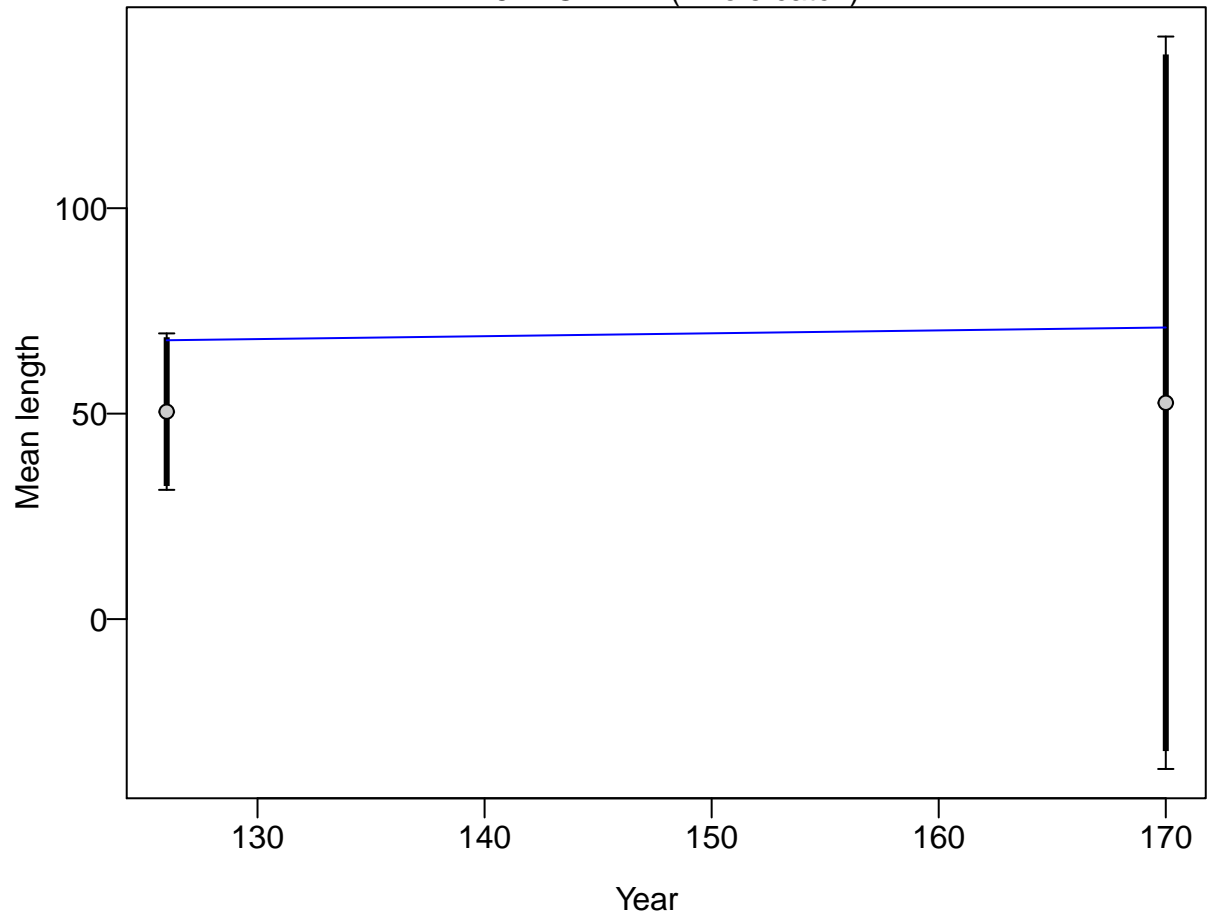




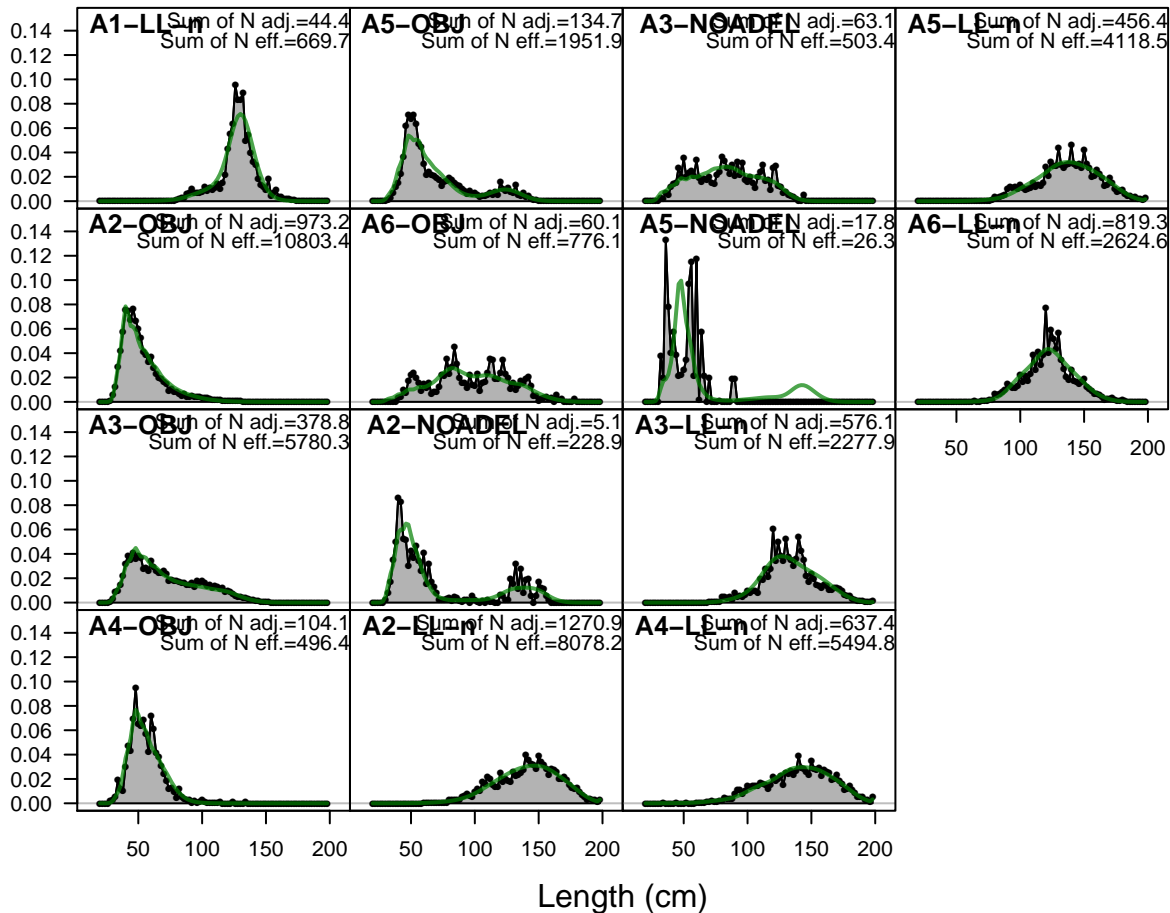
Length (cm)



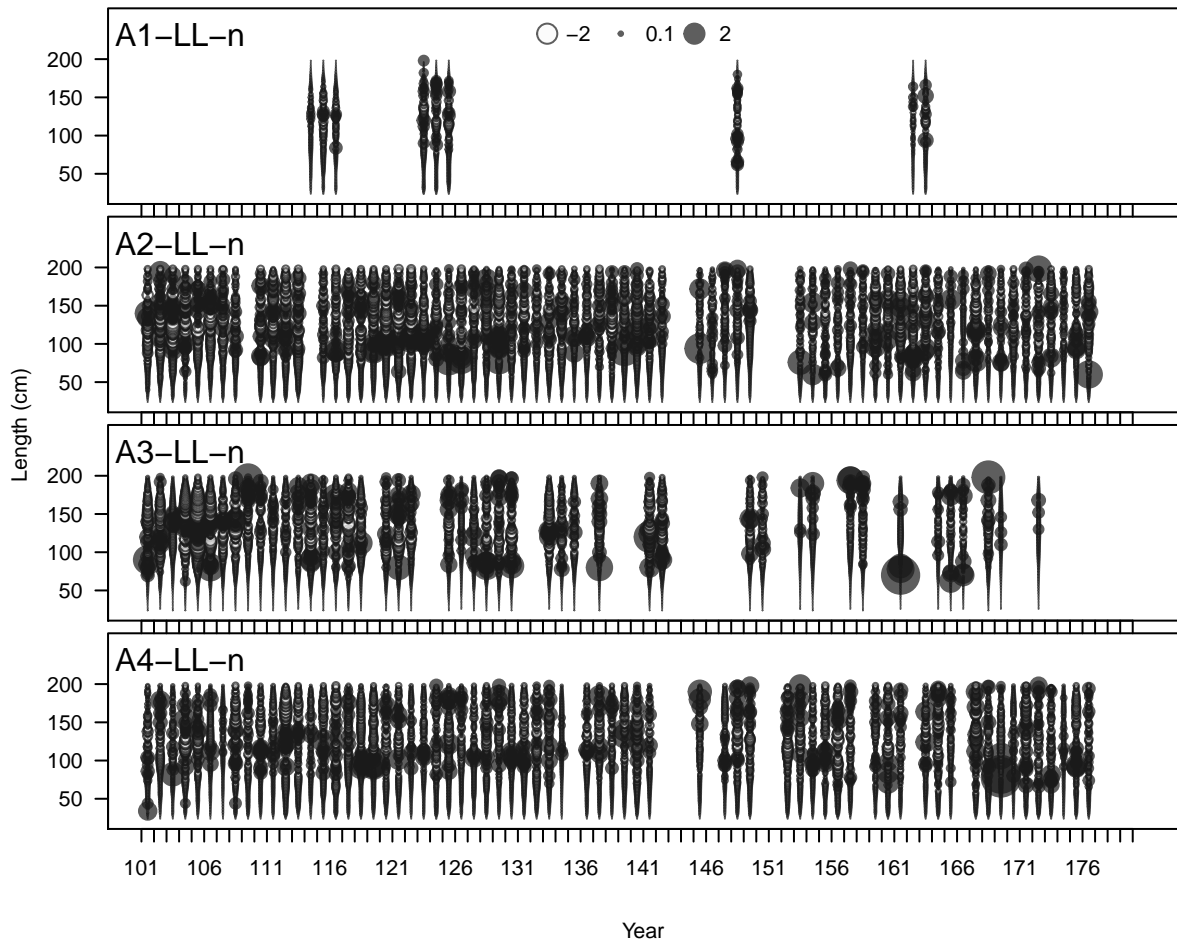
# A5-NOADEL (whole catch)

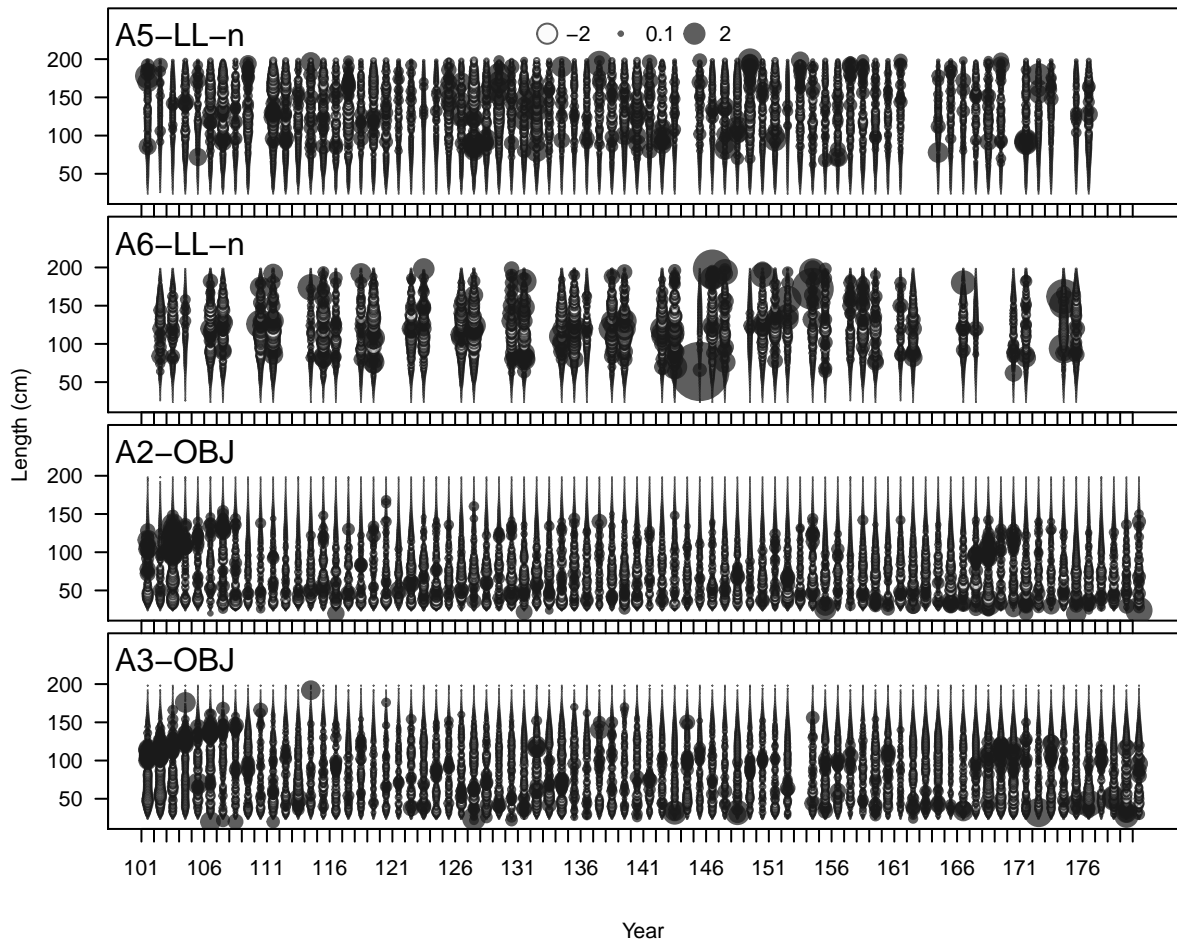


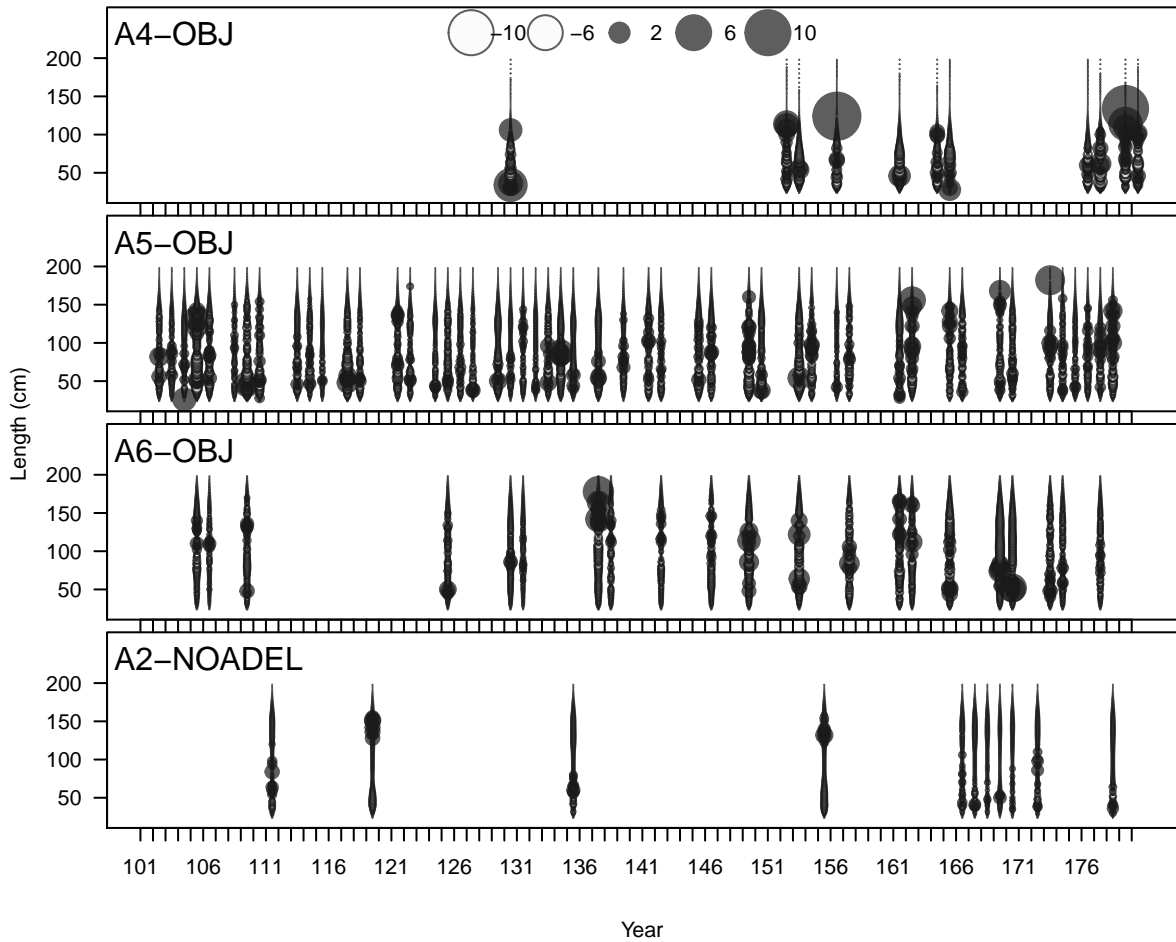
Proportion

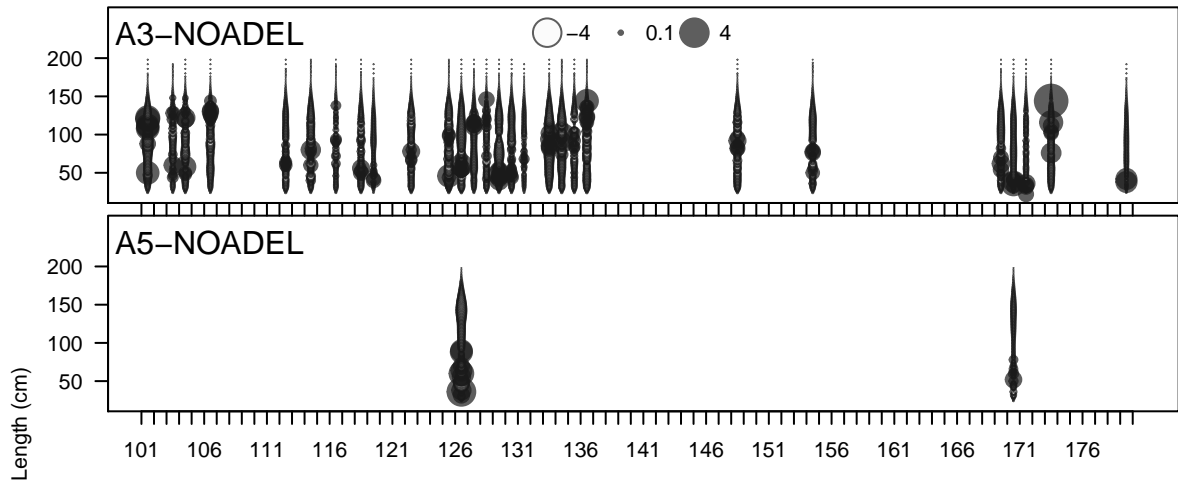


Length (cm)





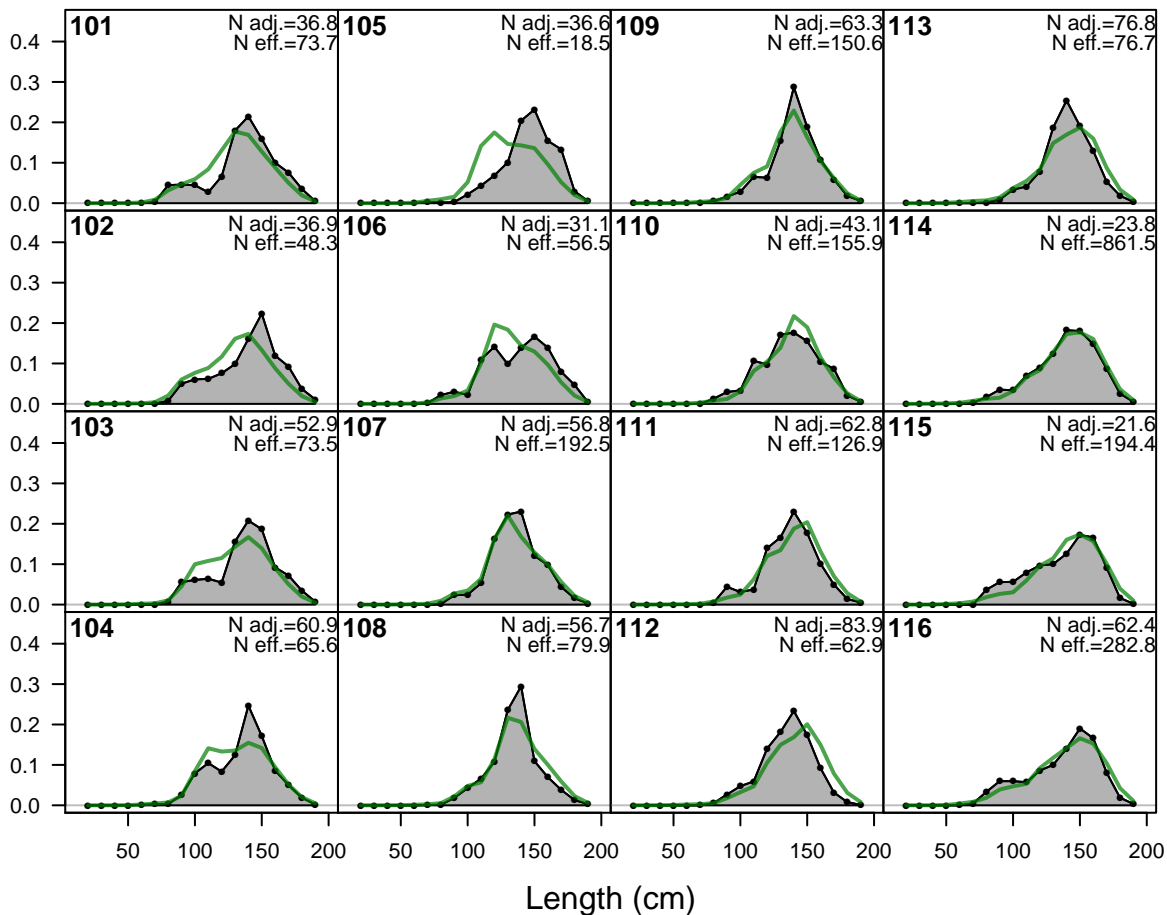




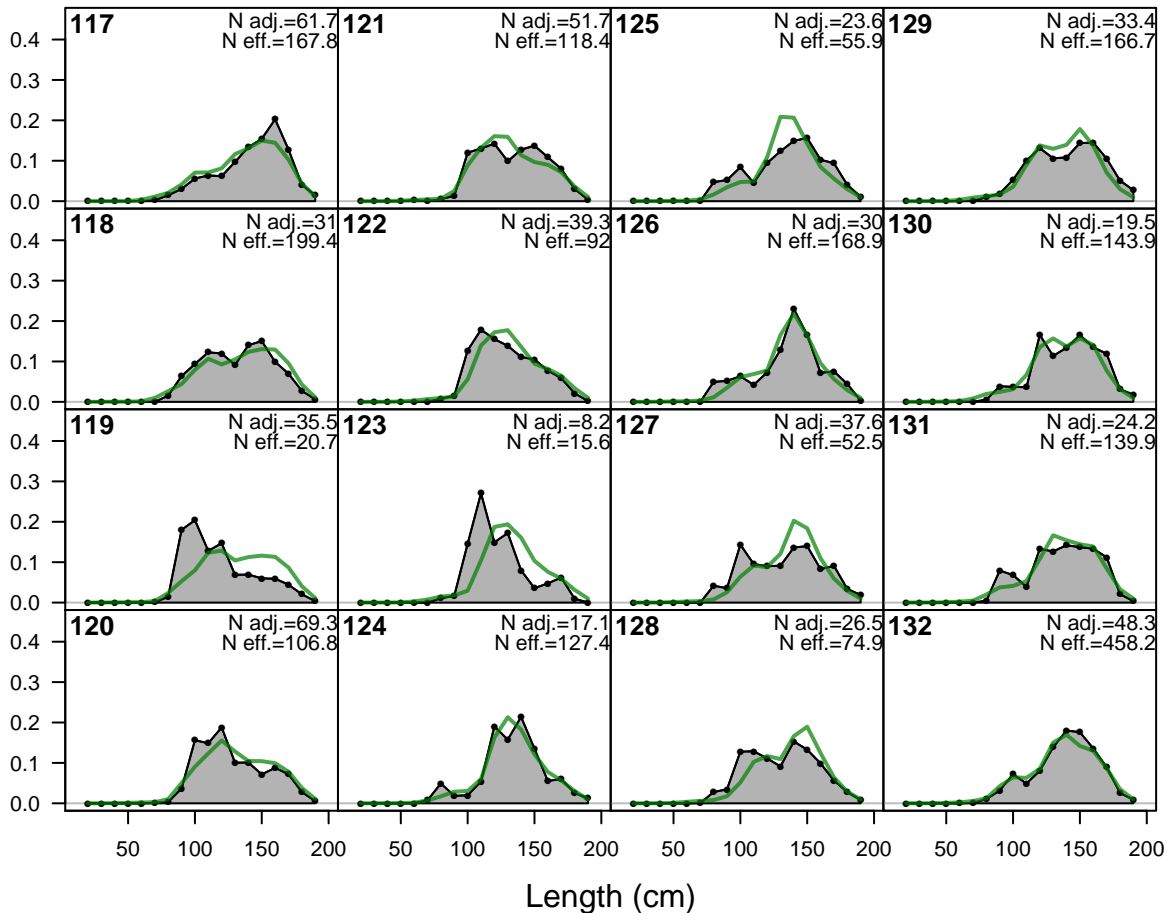
Year



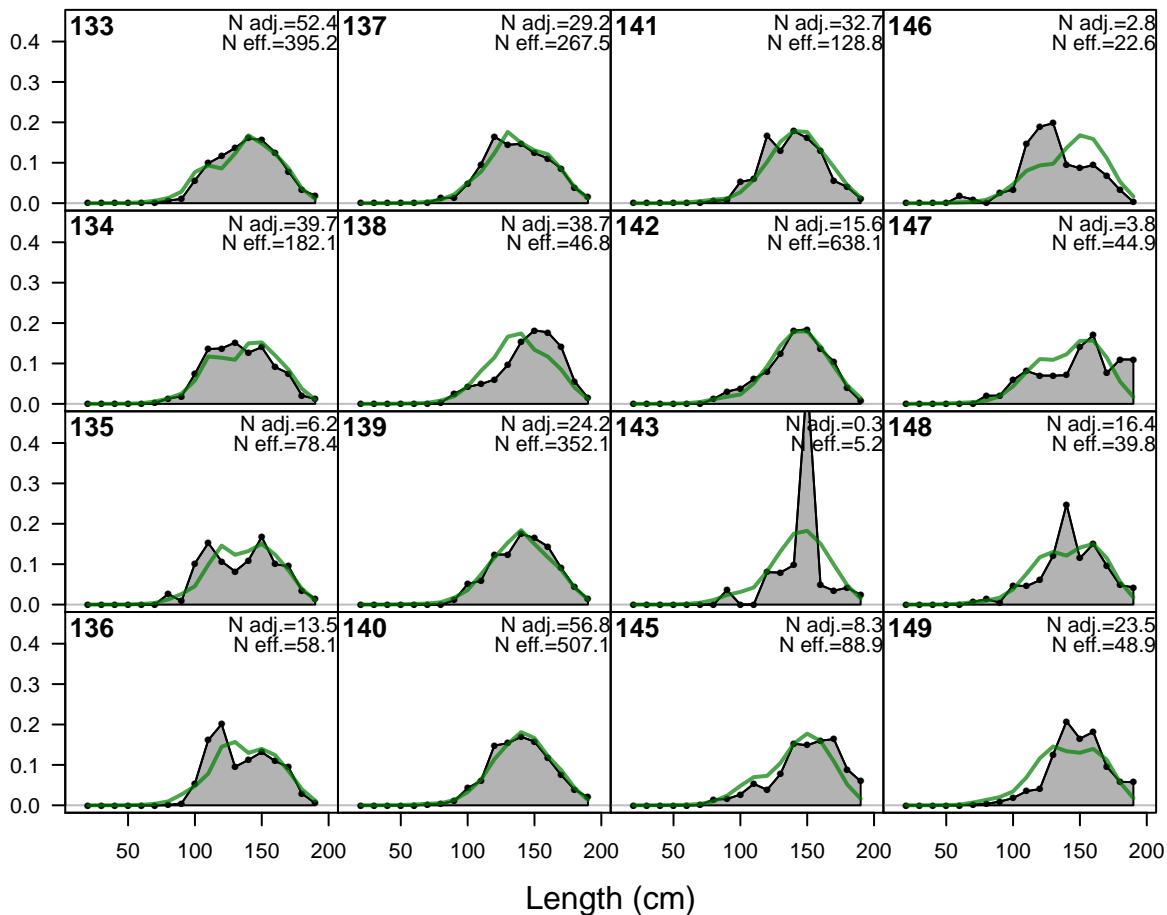
Proportion



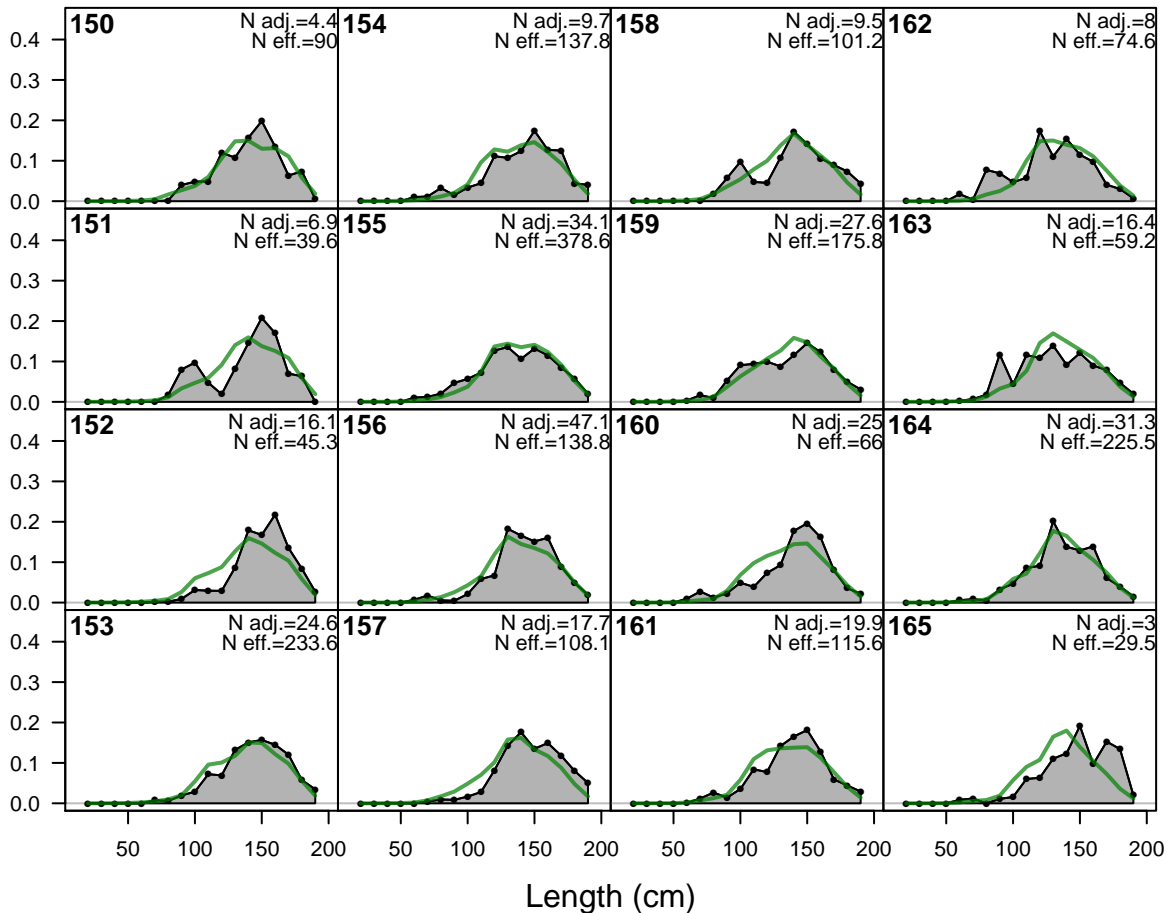
Proportion



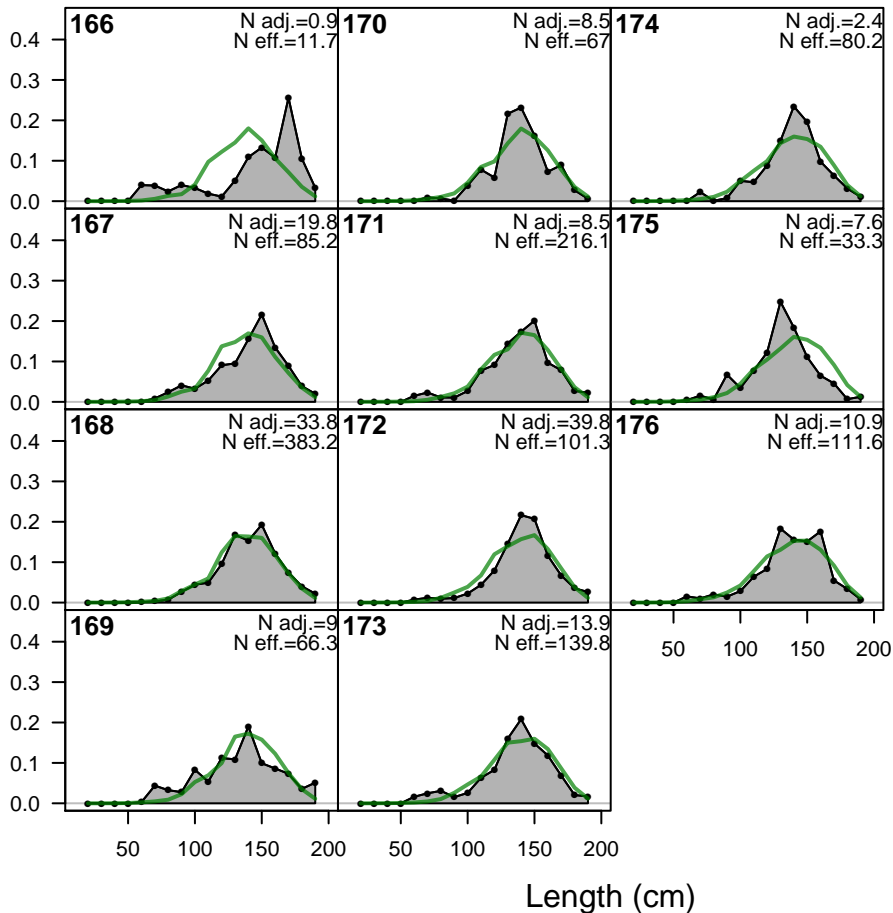
Proportion

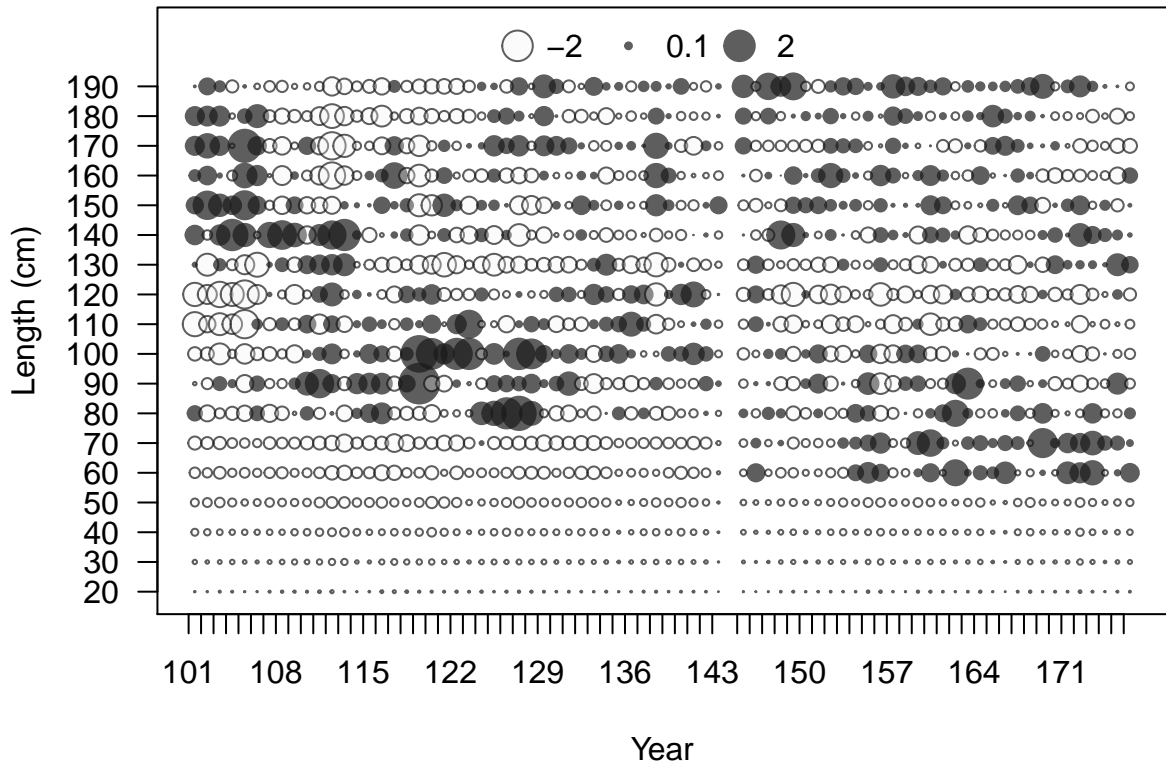


Proportion

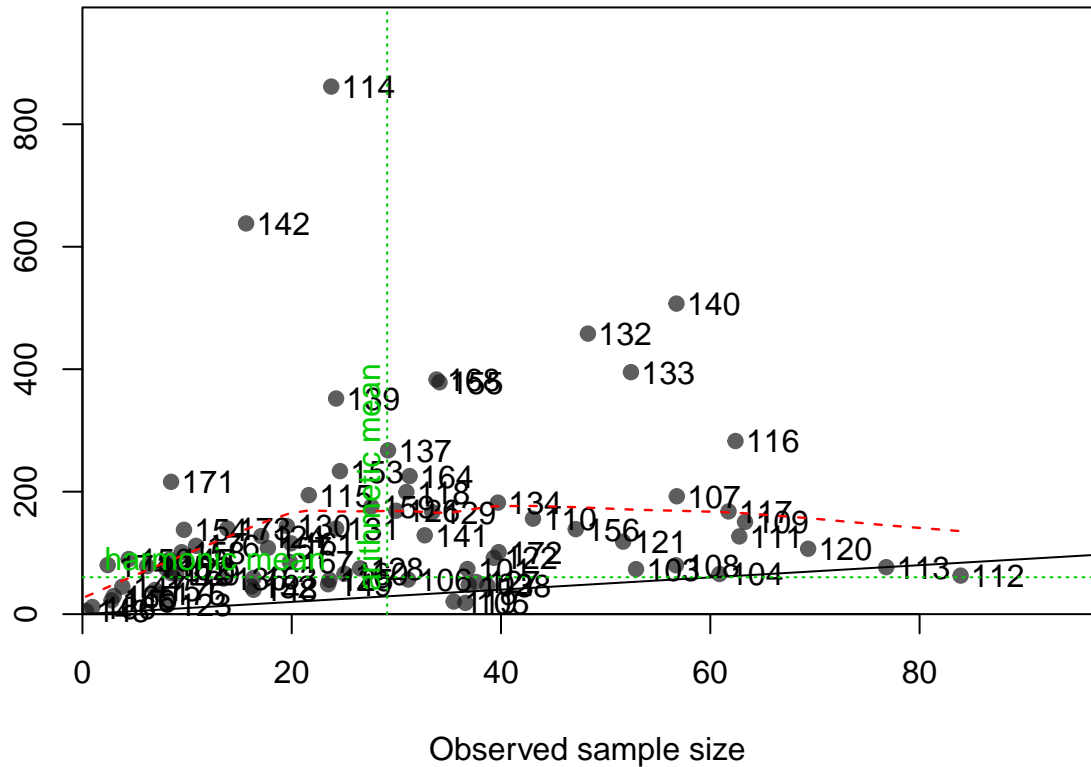


Proportion

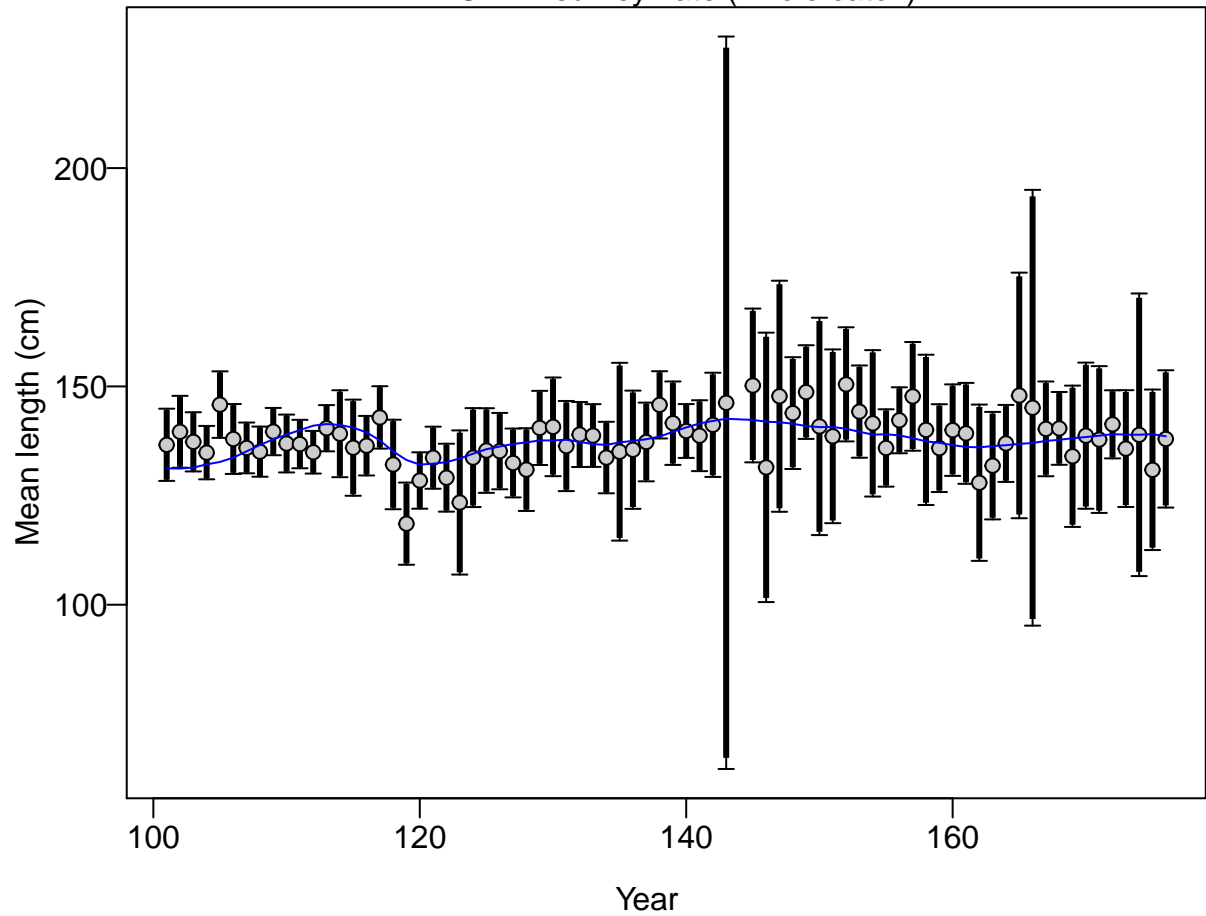




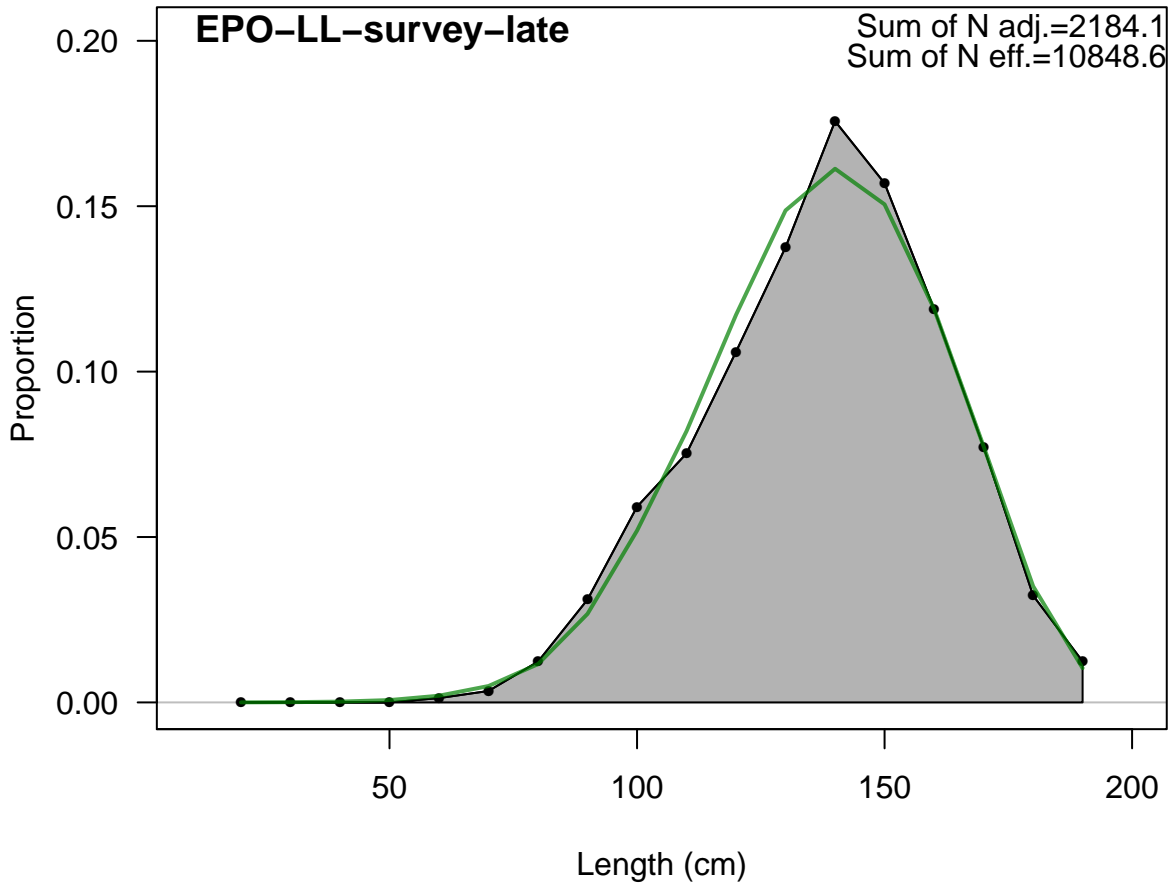
Effective sample size

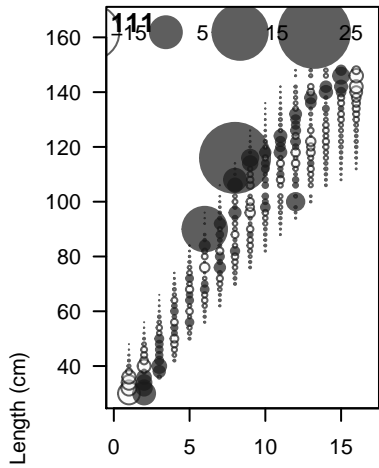


EPO-LL-survey-late (whole catch)

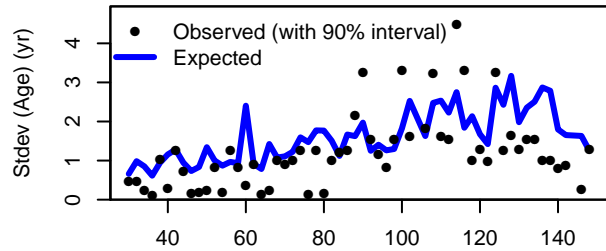
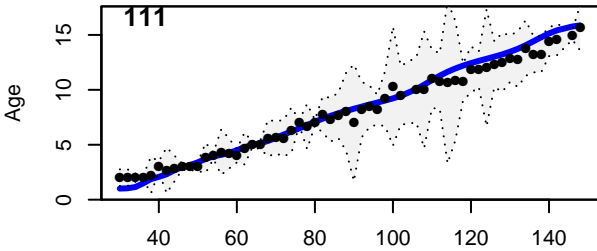




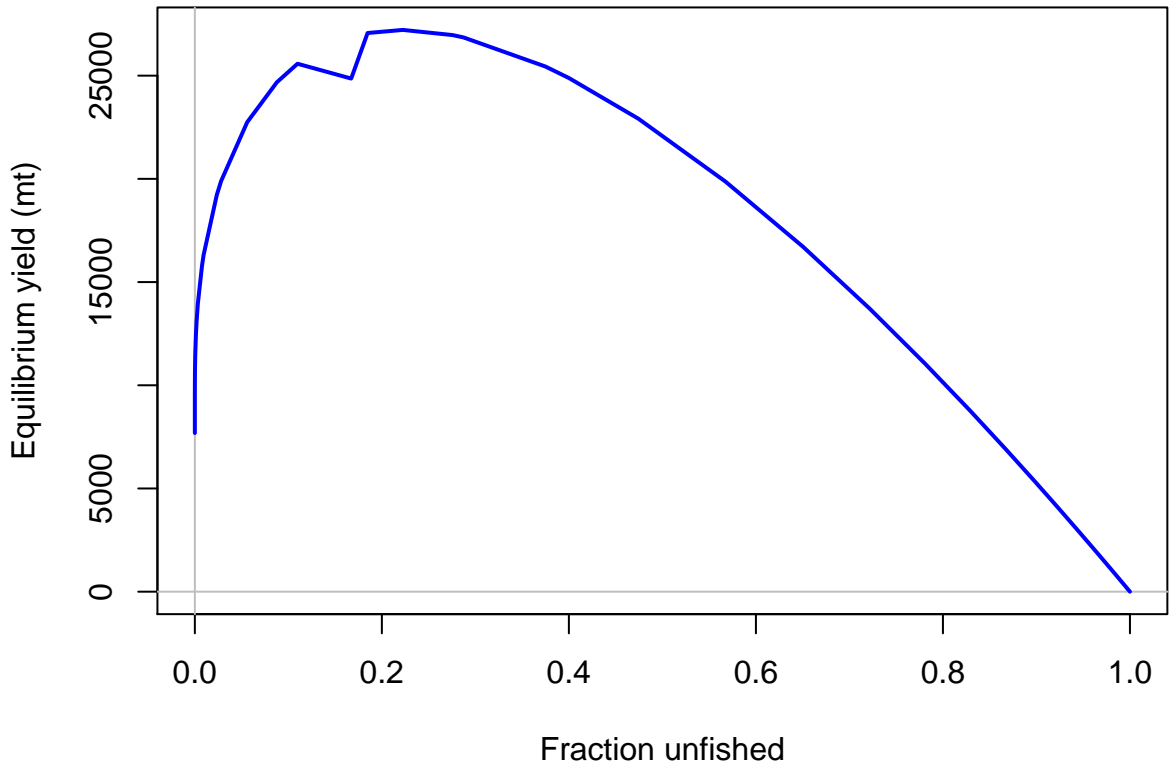


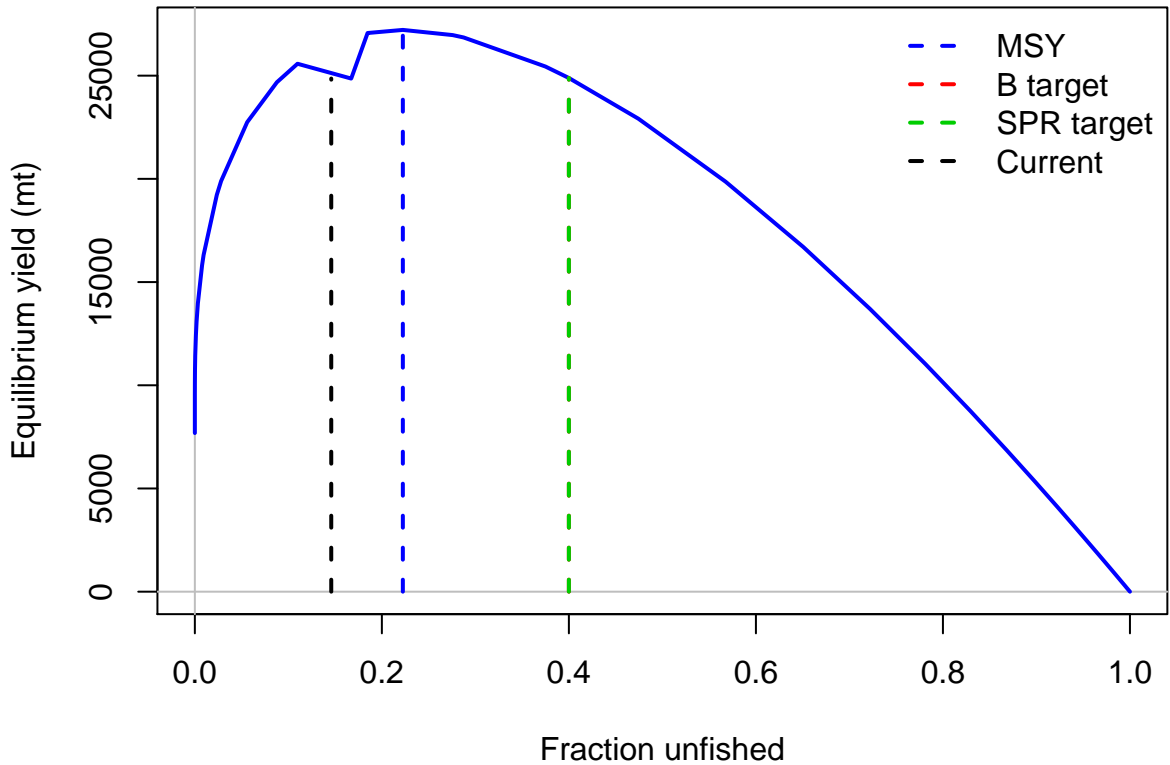


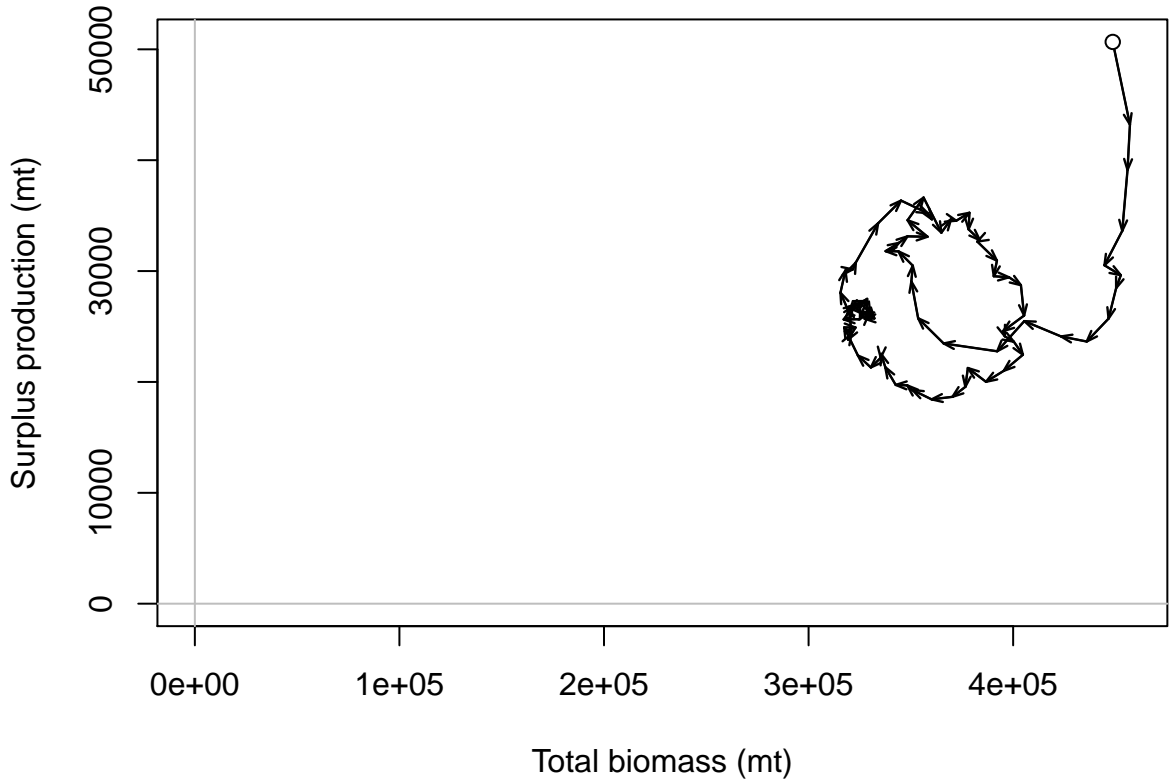
Age (yr)

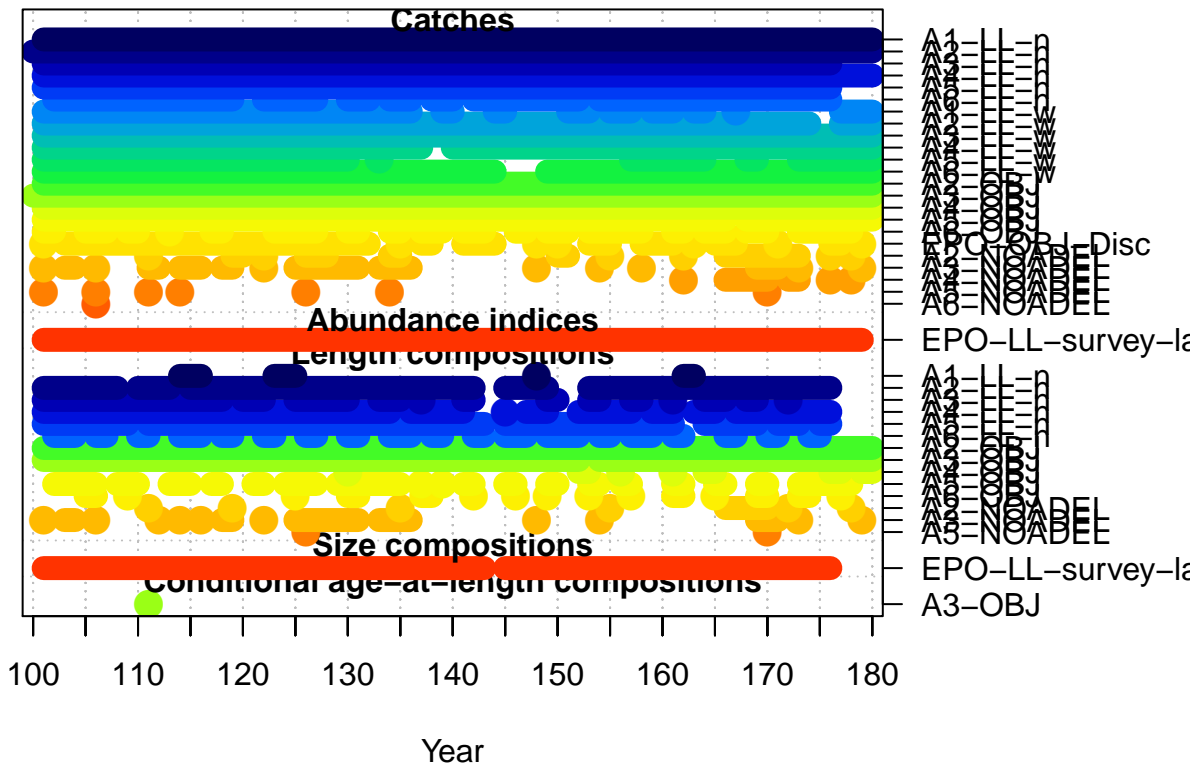


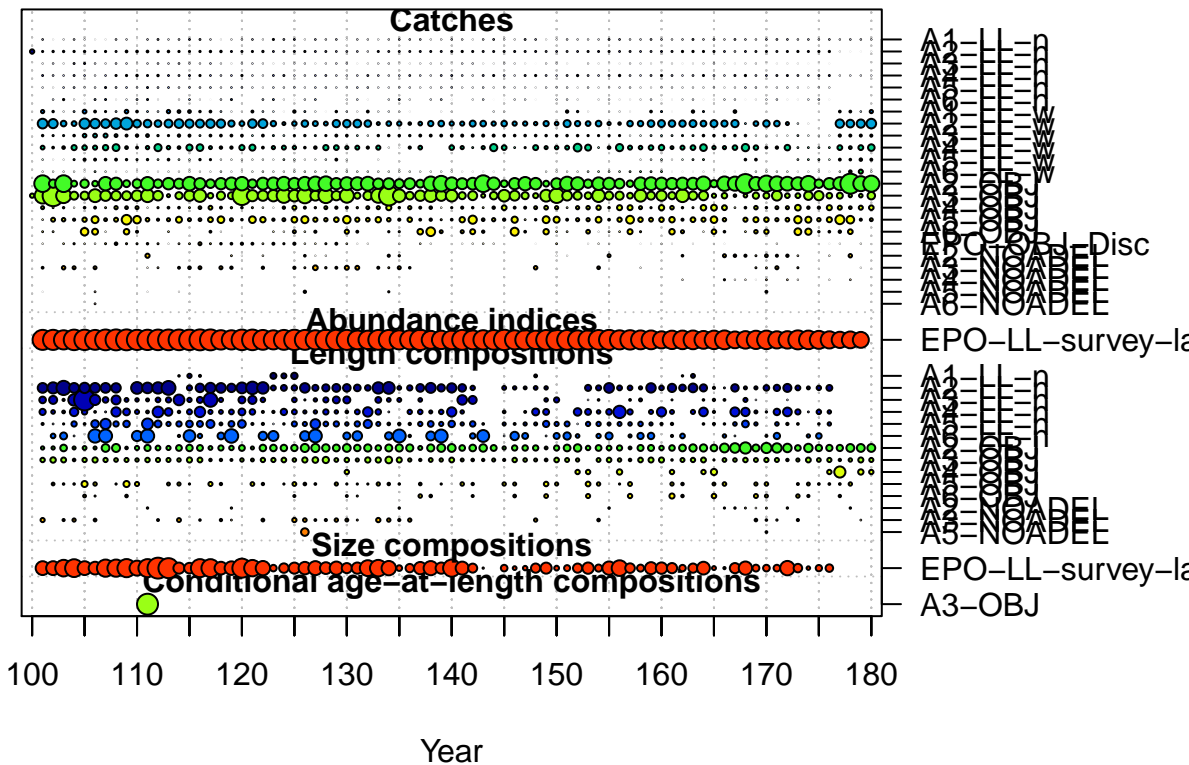
Length (cm)



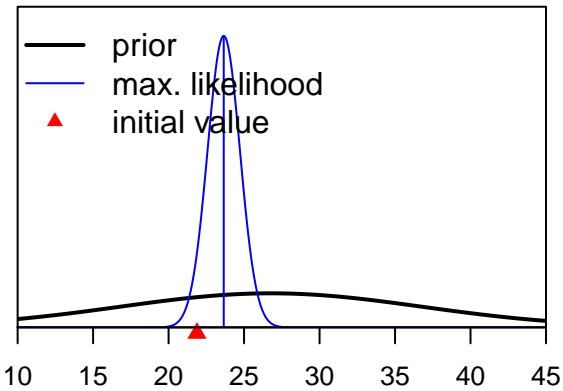
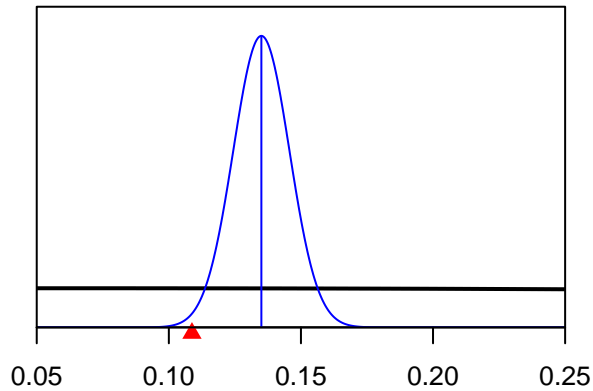
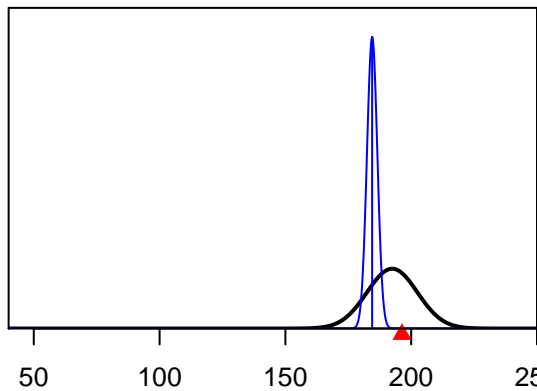
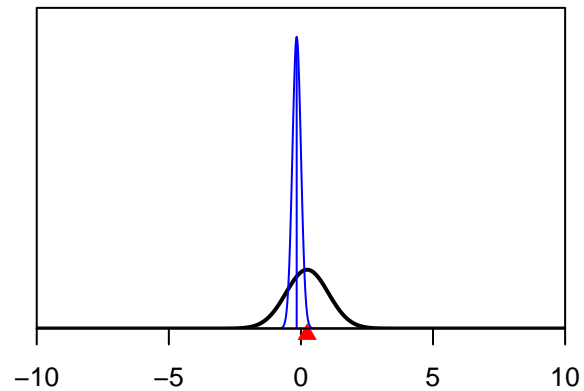






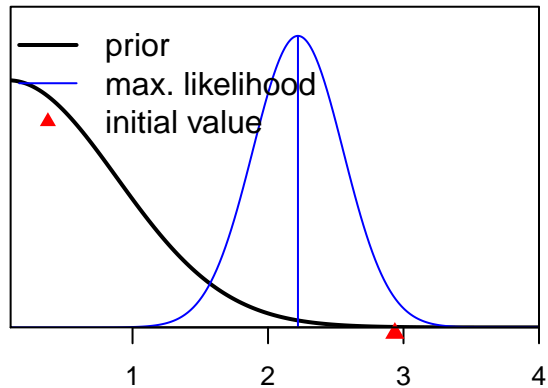




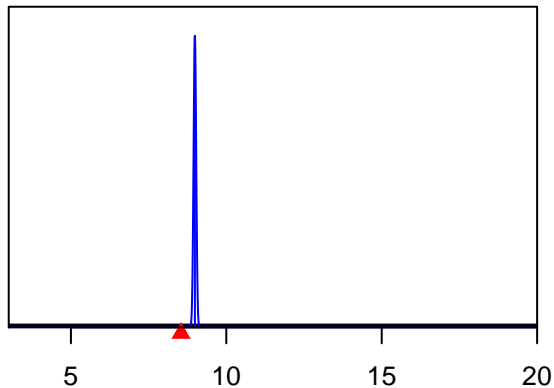
**L\_at\_Amin\_Fem\_GP\_1****VonBert\_K\_Fem\_GP\_1****L\_at\_Amax\_Fem\_GP\_1****Richards\_Fem\_GP\_1**

Parameter value

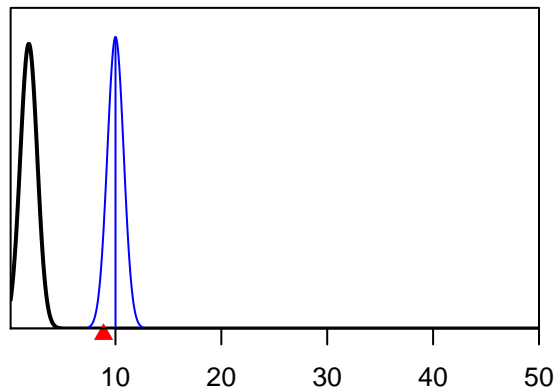
SD\_young\_Fem\_GP\_1



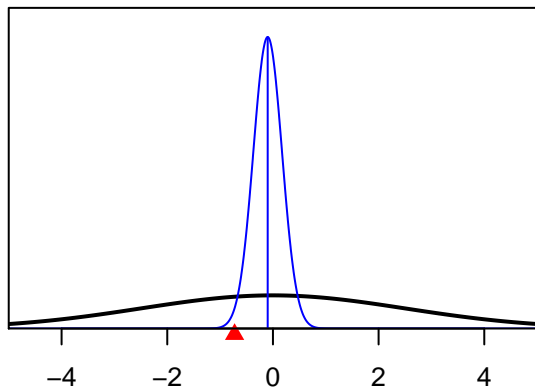
SR\_LN(R0)



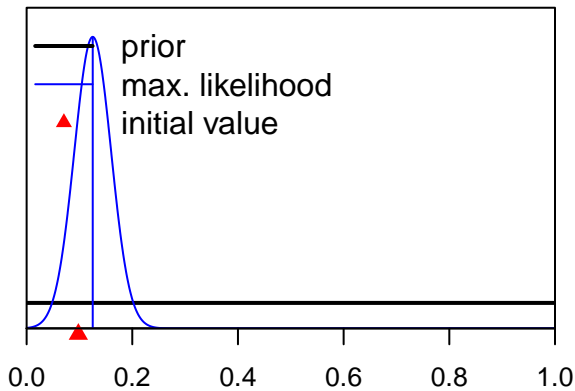
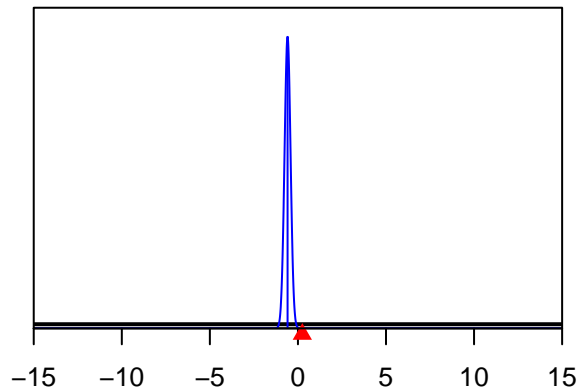
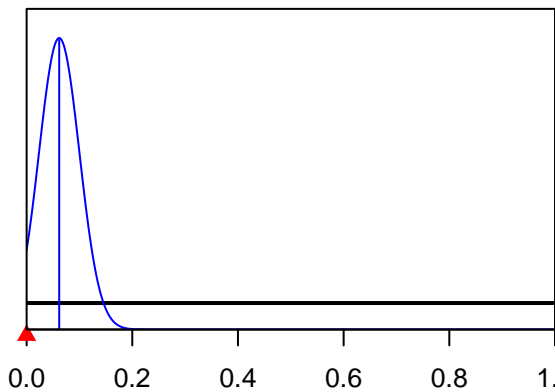
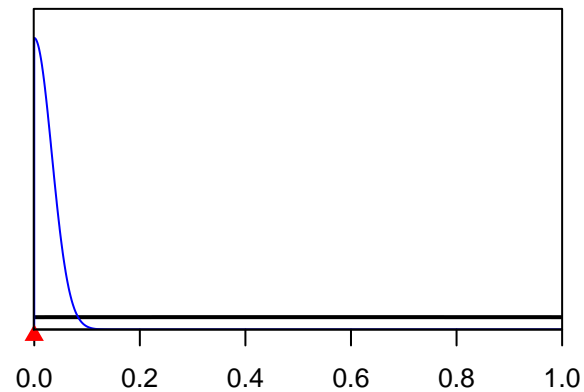
SD\_old\_Fem\_GP\_1



SR\_regime\_BLK1add\_100

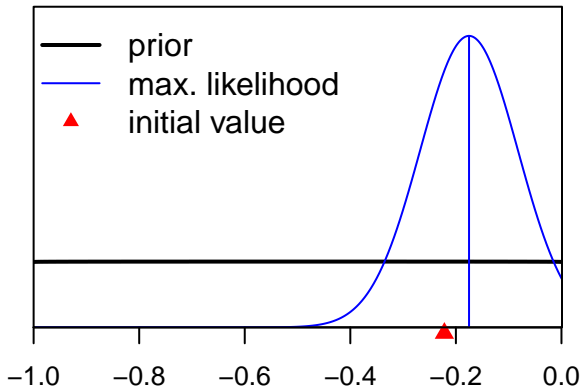


Parameter value

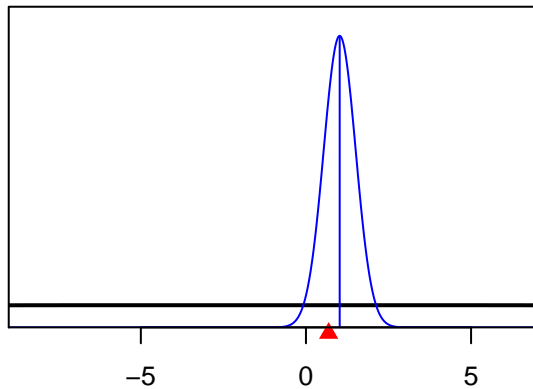
**InitF\_seas\_1\_flt\_2A2-LL-n****LnQ\_base\_EPO-LL-survey-late(24)****InitF\_seas\_1\_flt\_14A3-OBJ****SizeSpline\_GradLo\_A1-LL-n(1)**

Parameter value

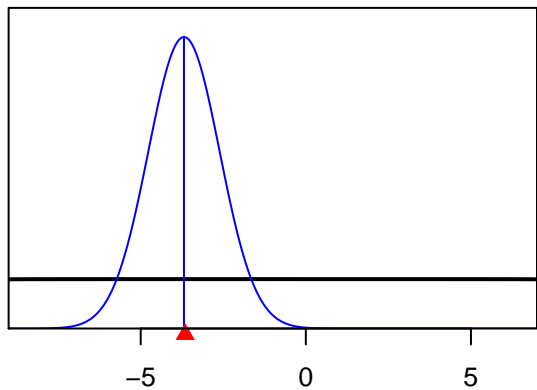
SizeSpline\_GradHi\_A1-LL-n(1)



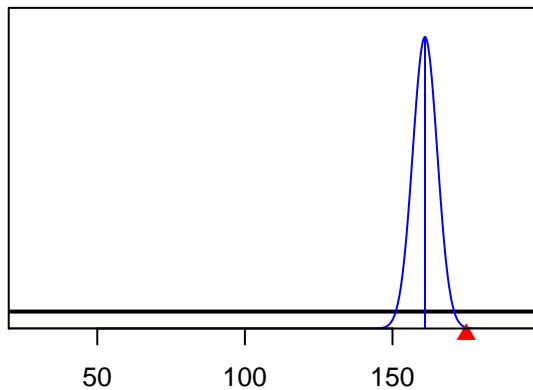
SizeSpline\_Val\_4\_A1-LL-n(1)



SizeSpline\_Val\_2\_A1-LL-n(1)

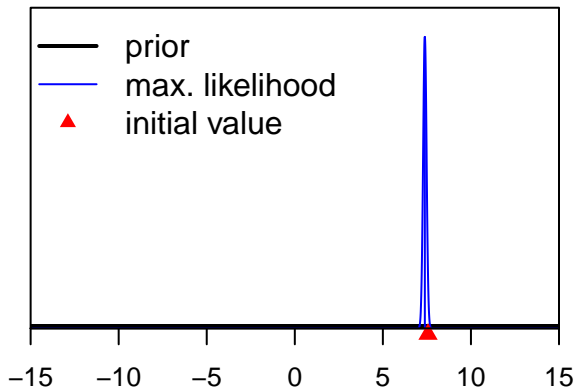


Size\_DbIN\_peak\_A2-LL-n(2)

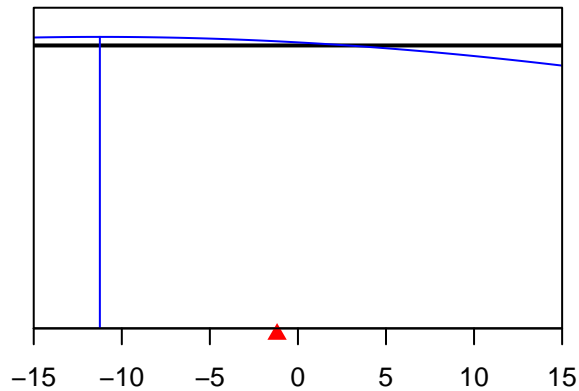


Parameter value

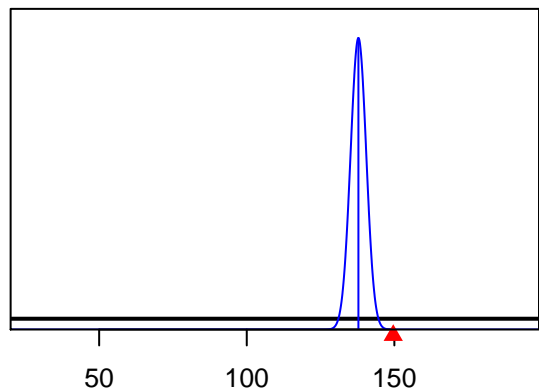
Size\_DbIN\_ascend\_se\_A2-LL-n(2)



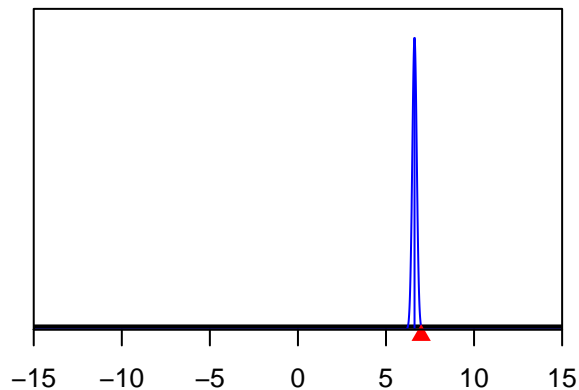
Size\_DbIN\_top\_logit\_A3-LL-n(3)



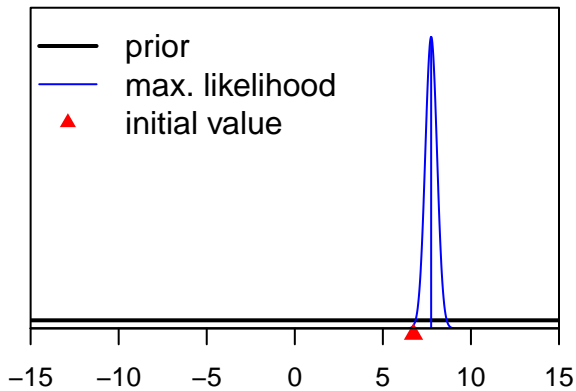
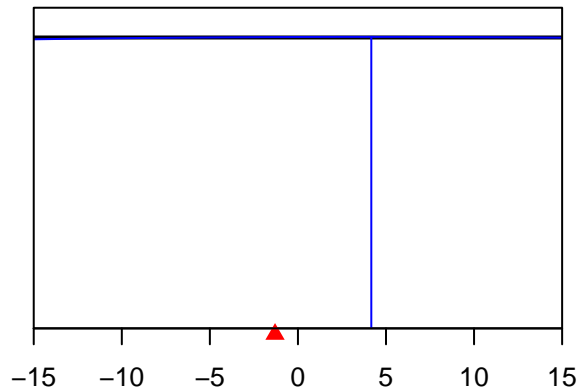
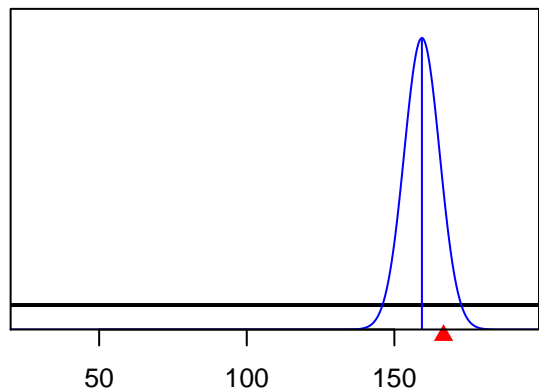
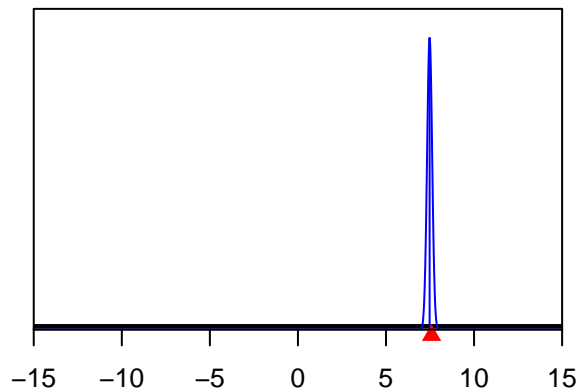
Size\_DbIN\_peak\_A3-LL-n(3)



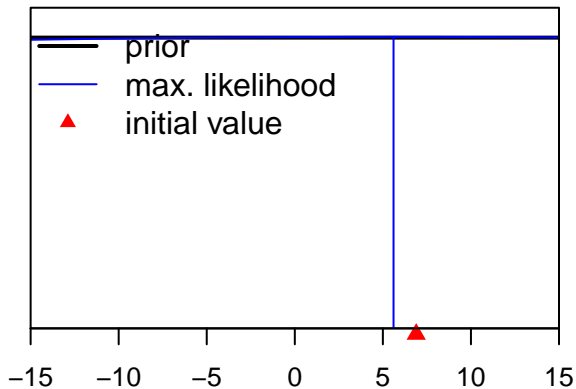
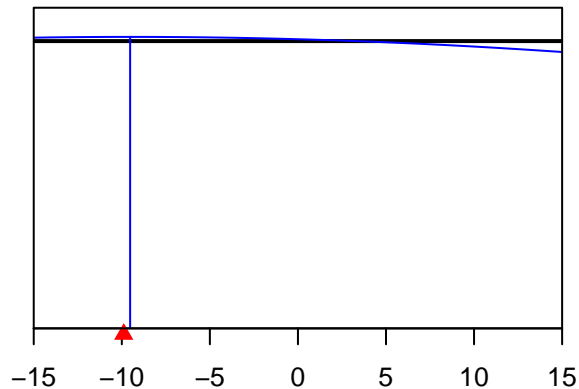
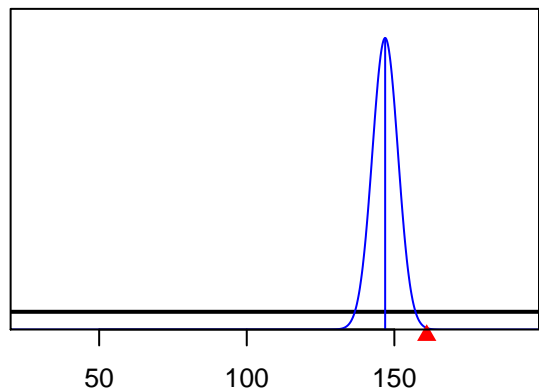
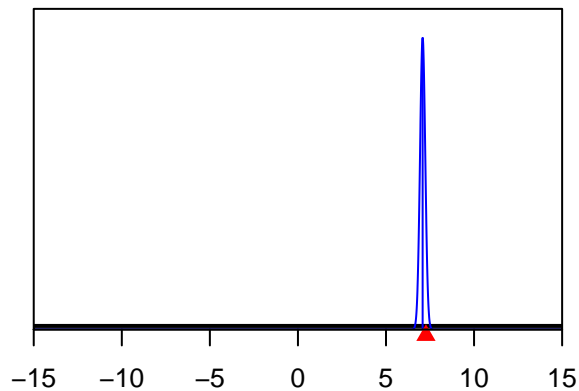
Size\_DbIN\_ascend\_se\_A3-LL-n(3)



Parameter value

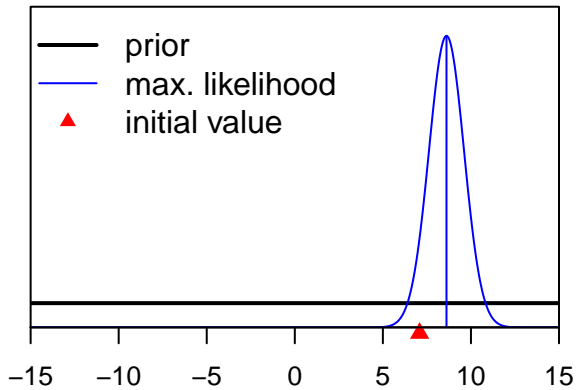
**Size\_DbIN\_descend\_se\_A3-LL-n(3)****Size\_DbIN\_top\_logit\_A4-LL-n(4)****Size\_DbIN\_peak\_A4-LL-n(4)****Size\_DbIN\_ascend\_se\_A4-LL-n(4)**

Parameter value

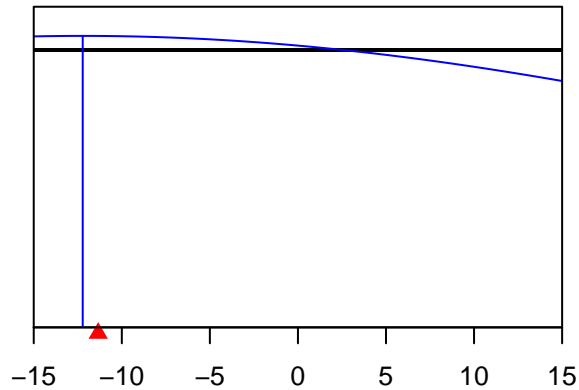
**Size\_DbIN\_descend\_se\_A4-LL-n(4)****Size\_DbIN\_top\_logit\_A5-LL-n(5)****Size\_DbIN\_peak\_A5-LL-n(5)****Size\_DbIN\_ascend\_se\_A5-LL-n(5)**

Parameter value

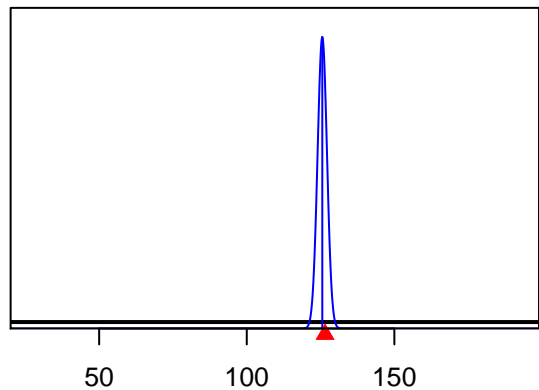
Size\_DbIN\_descend\_se\_A5-LL-n(5)



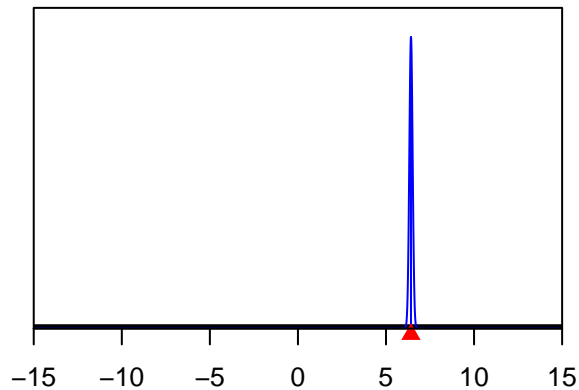
Size\_DbIN\_top\_logit\_A6-LL-n(6)



Size\_DbIN\_peak\_A6-LL-n(6)



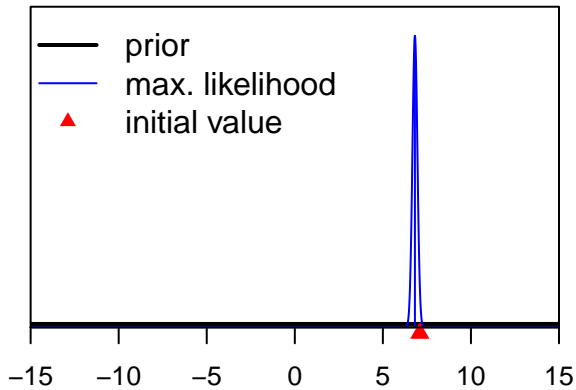
Size\_DbIN\_ascend\_se\_A6-LL-n(6)



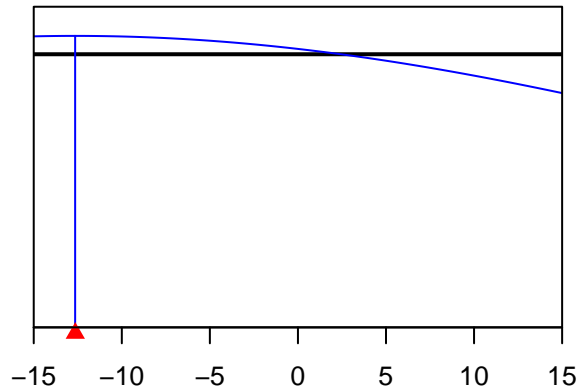
Parameter value



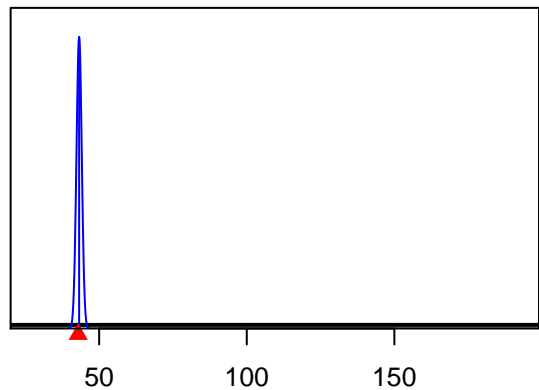
Size\_DbIN\_descend\_se\_A6-LL-n(6)



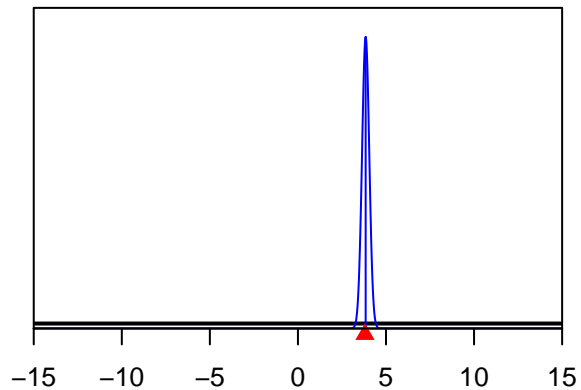
Size\_DbIN\_top\_logit\_A2-OBJ(13)



Size\_DbIN\_peak\_A2-OBJ(13)

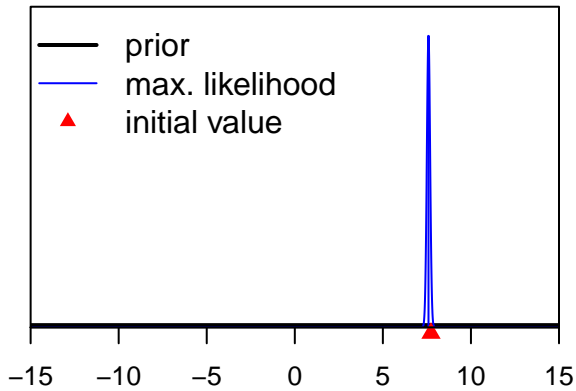


Size\_DbIN\_ascend\_se\_A2-OBJ(13)

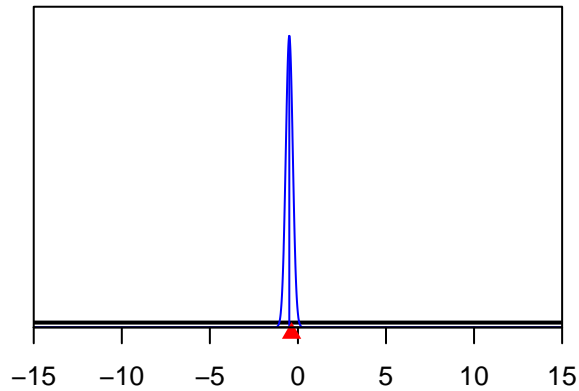


Parameter value

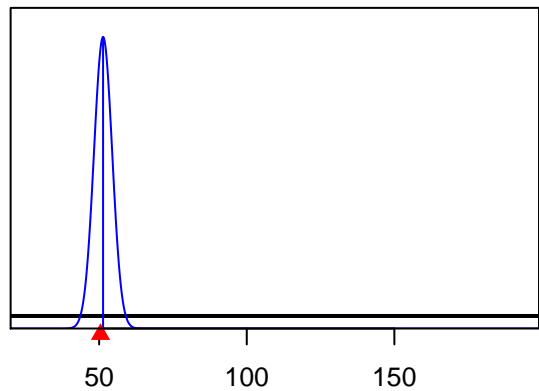
Size\_DbIN\_descend\_se\_A2-Obj(13)



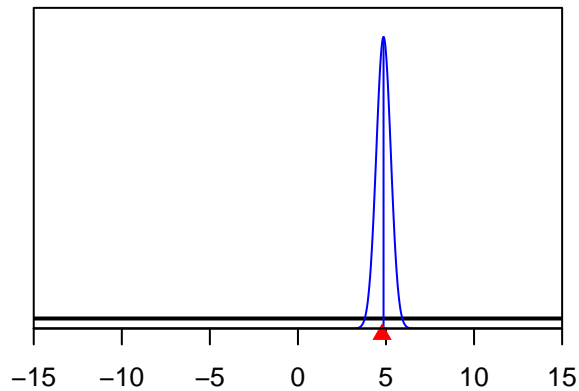
Size\_DbIN\_top\_logit\_A3-Obj(14)



Size\_DbIN\_peak\_A3-Obj(14)

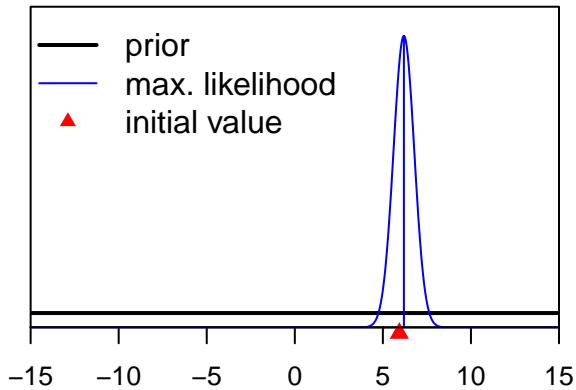


Size\_DbIN\_ascend\_se\_A3-Obj(14)

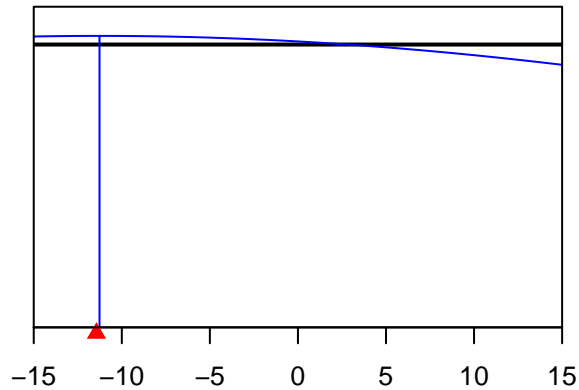


Parameter value

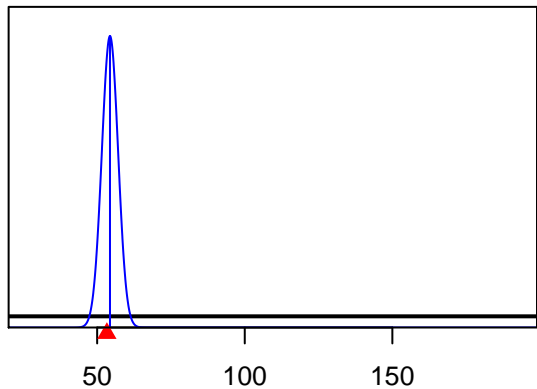
Size\_DbIN\_descend\_se\_A3-Obj(14)



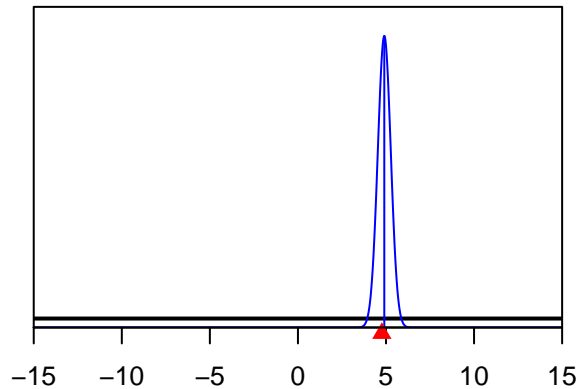
Size\_DbIN\_top\_logit\_A4-Obj(15)



Size\_DbIN\_peak\_A4-Obj(15)

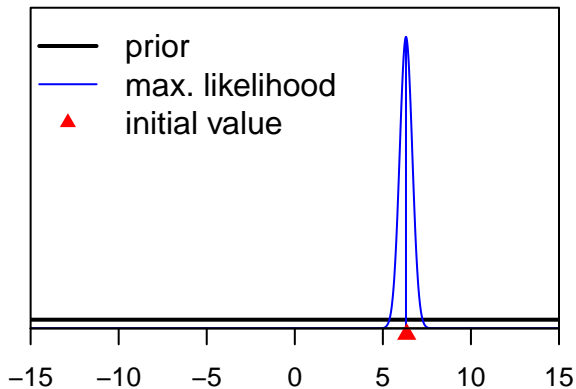


Size\_DbIN\_ascend\_se\_A4-Obj(15)

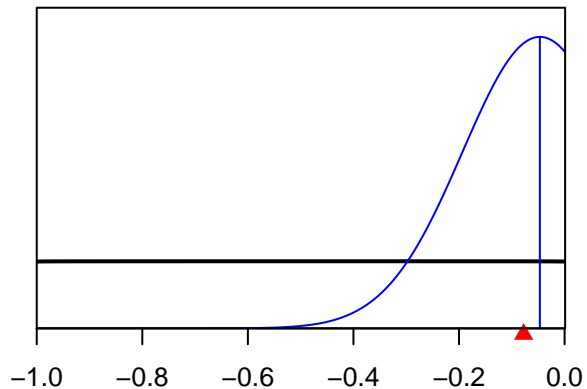


Parameter value

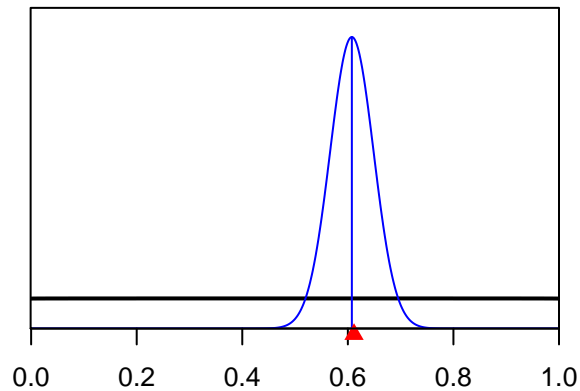
Size\_DblN\_descend\_se\_A4-Obj(15)



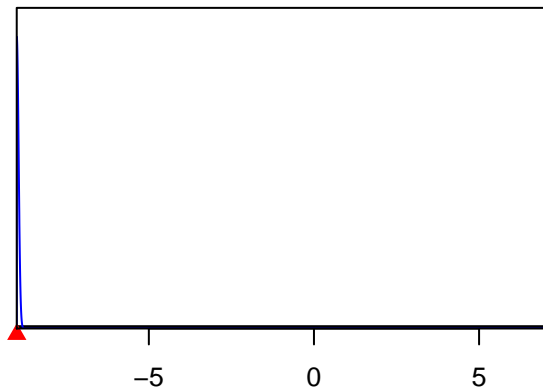
SizeSpline\_GradHi\_A5-Obj(16)



SizeSpline\_GradLo\_A5-Obj(16)

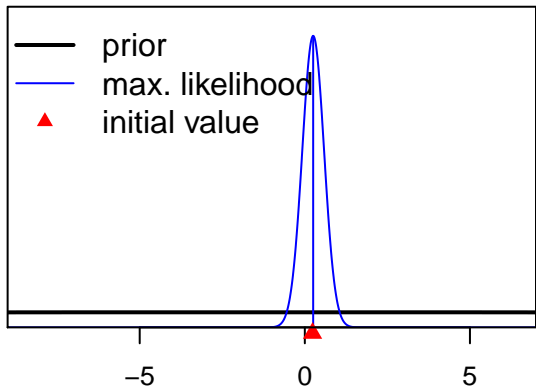


SizeSpline\_Val\_1\_A5-Obj(16)

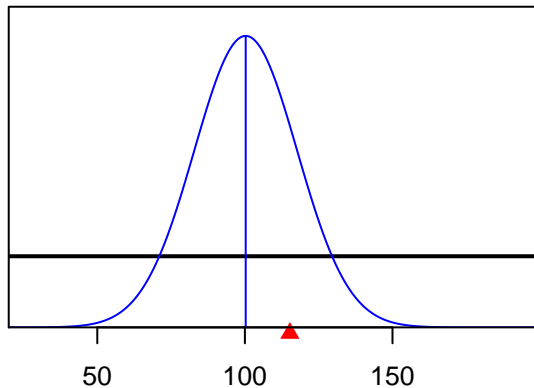


Parameter value

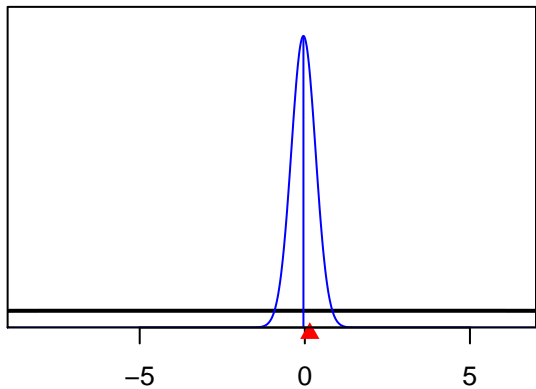
SizeSpline\_Val\_2\_A5-Obj(16)



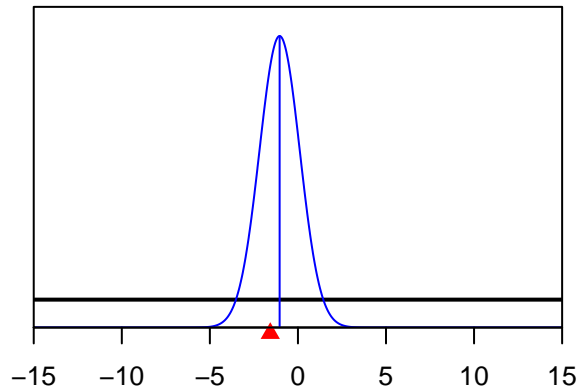
Size\_DbIN\_peak\_A6-Obj(17)



SizeSpline\_Val\_4\_A5-Obj(16)

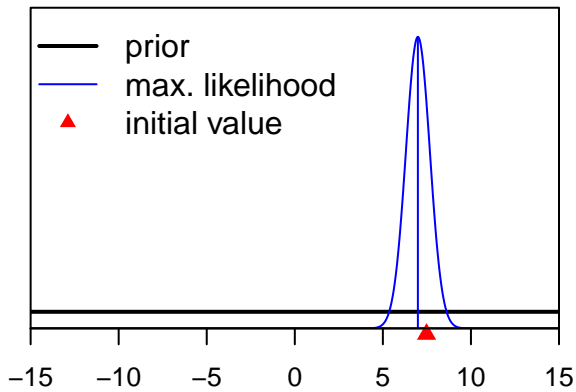


Size\_DbIN\_top\_logit\_A6-Obj(17)

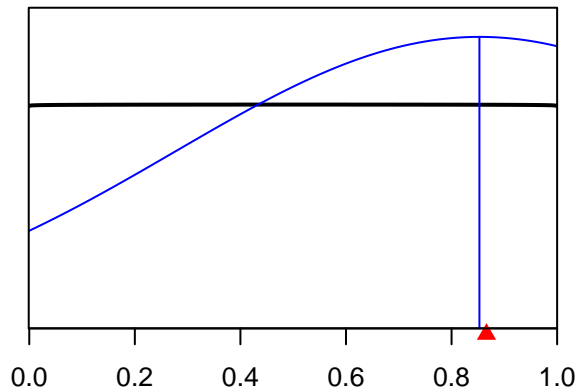


Parameter value

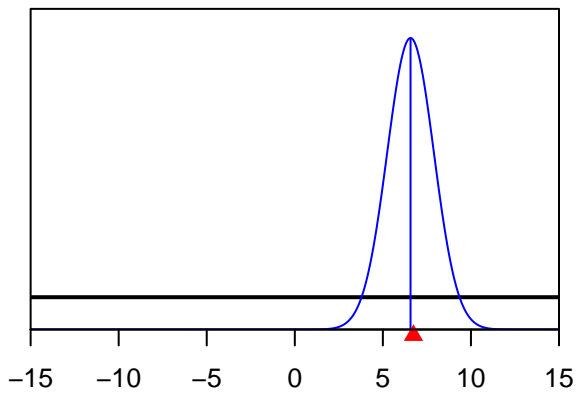
Size\_DbIN\_ascend\_se\_A6-OBJ(17)



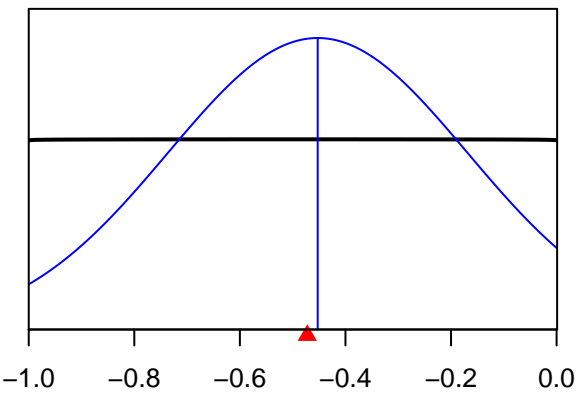
SizeSpline\_GradLo\_A2-NOADEL(19)



Size\_DbIN\_descend\_se\_A6-OBJ(17)

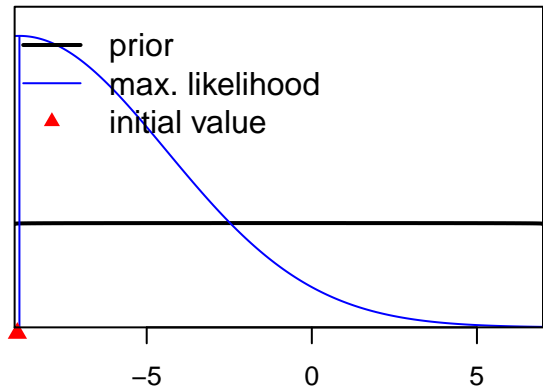


SizeSpline\_GradHi\_A2-NOADEL(19)

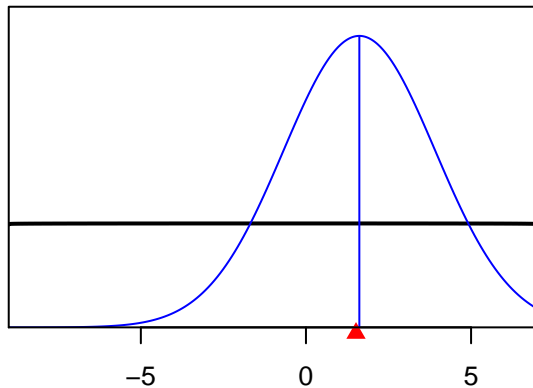


Parameter value

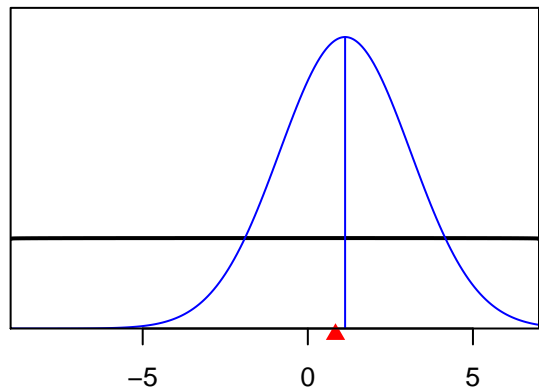
SizeSpline\_Val\_1\_A2-NOADEL(19)



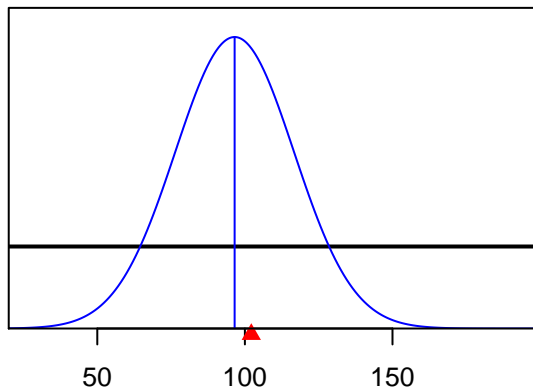
SizeSpline\_Val\_4\_A2-NOADEL(19)



SizeSpline\_Val\_2\_A2-NOADEL(19)

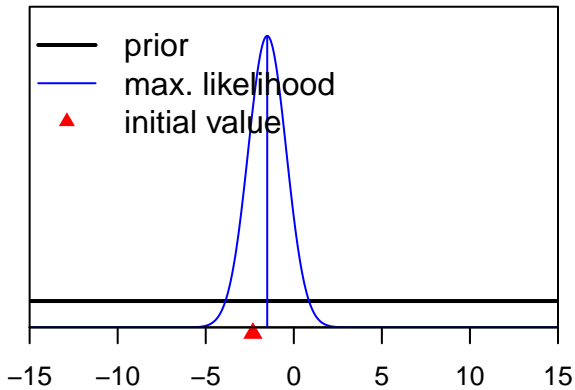


Size\_DblN\_peak\_A3-NOADEL(20)

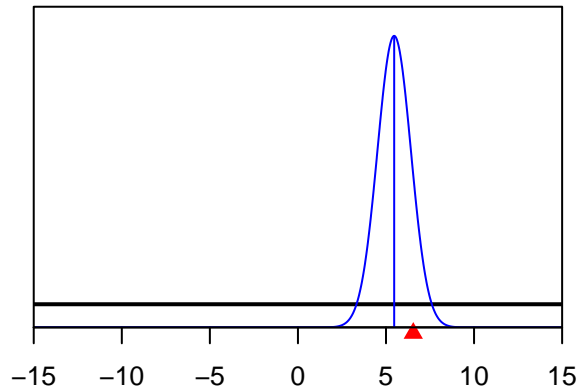


Parameter value

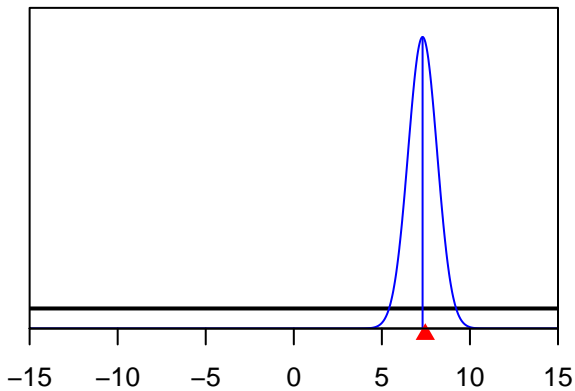
Size\_DbIN\_top\_logit\_A3-NOADEL(20)



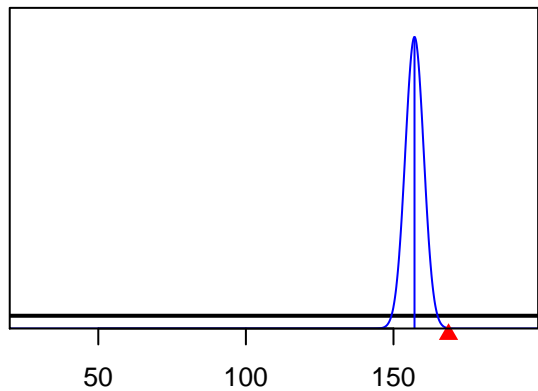
Size\_DbIN\_descend\_se\_A3-NOADEL(20)



Size\_DbIN\_ascend\_se\_A3-NOADEL(20)



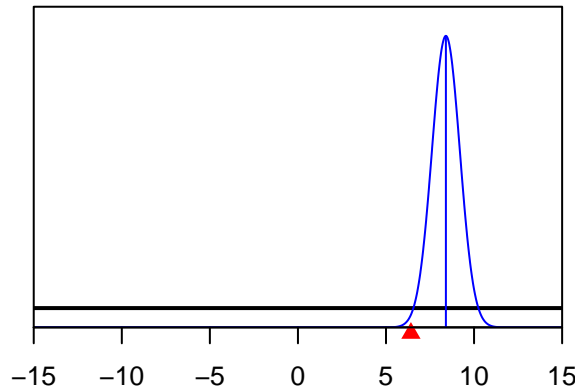
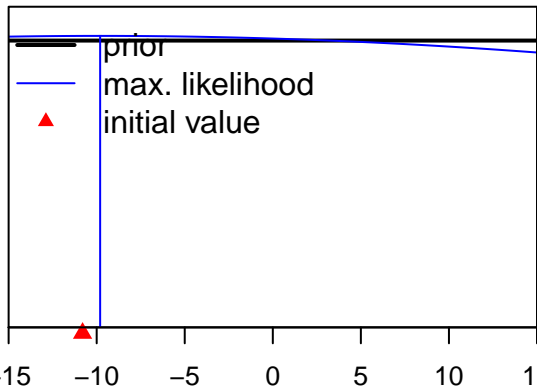
Size\_DbIN\_peak\_EPO-LL-survey-late(24)



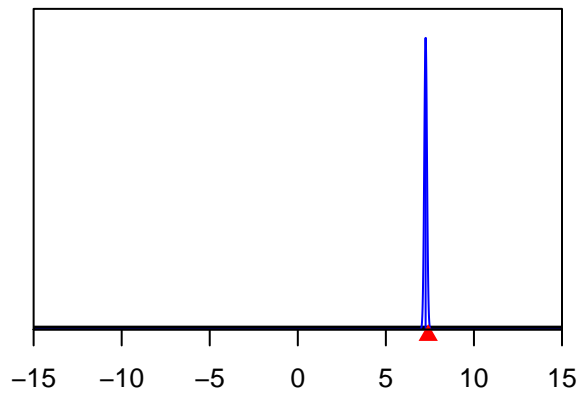
Parameter value



Size\_DbIN\_top\_logit\_EPO-LL-survey-late(24)ize\_DbIN\_descend\_se\_EPO-LL-survey-late(24)



Size\_DbIN\_ascend\_se\_EPO-LL-survey-late(24)



Parameter value