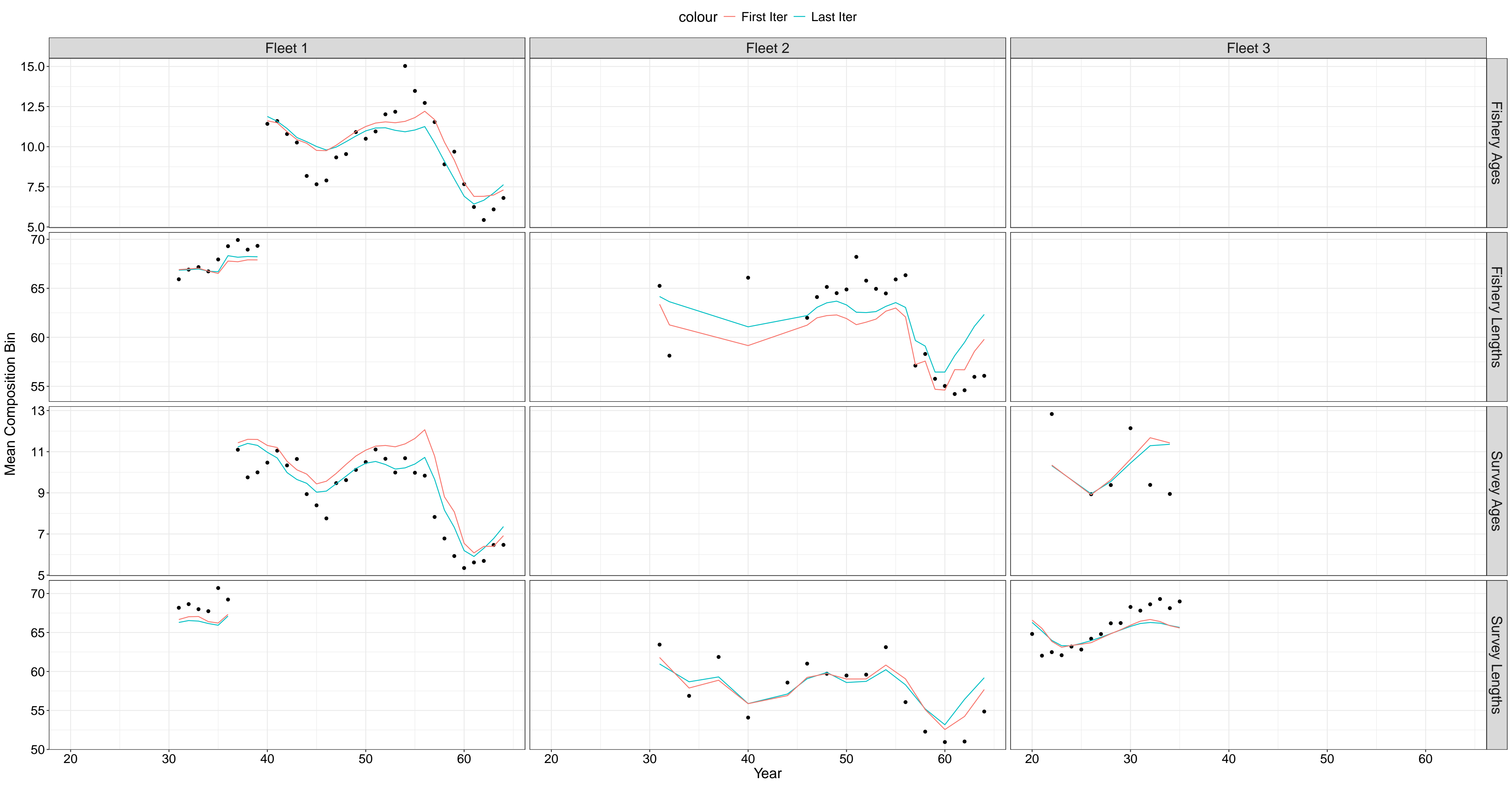
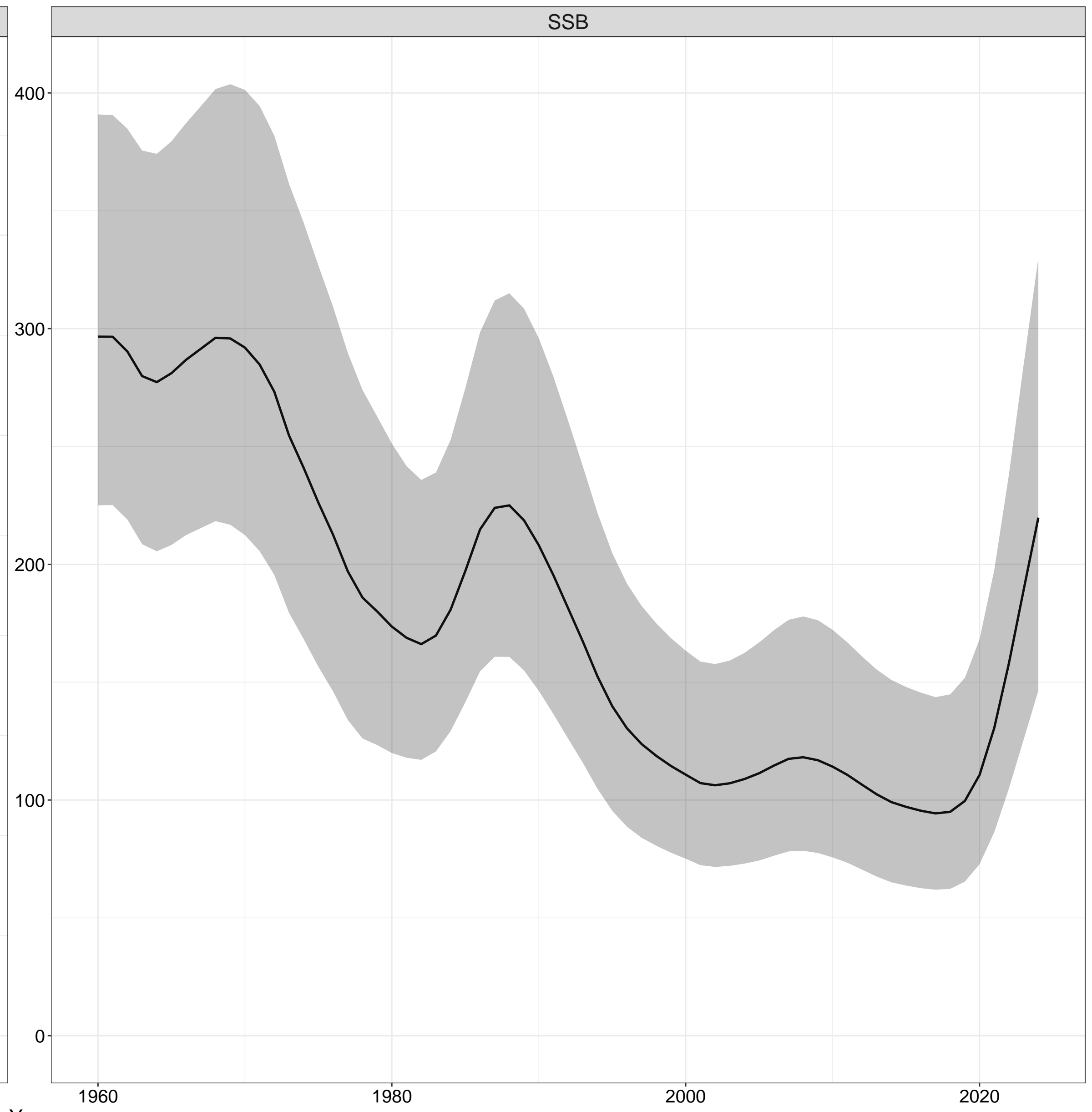
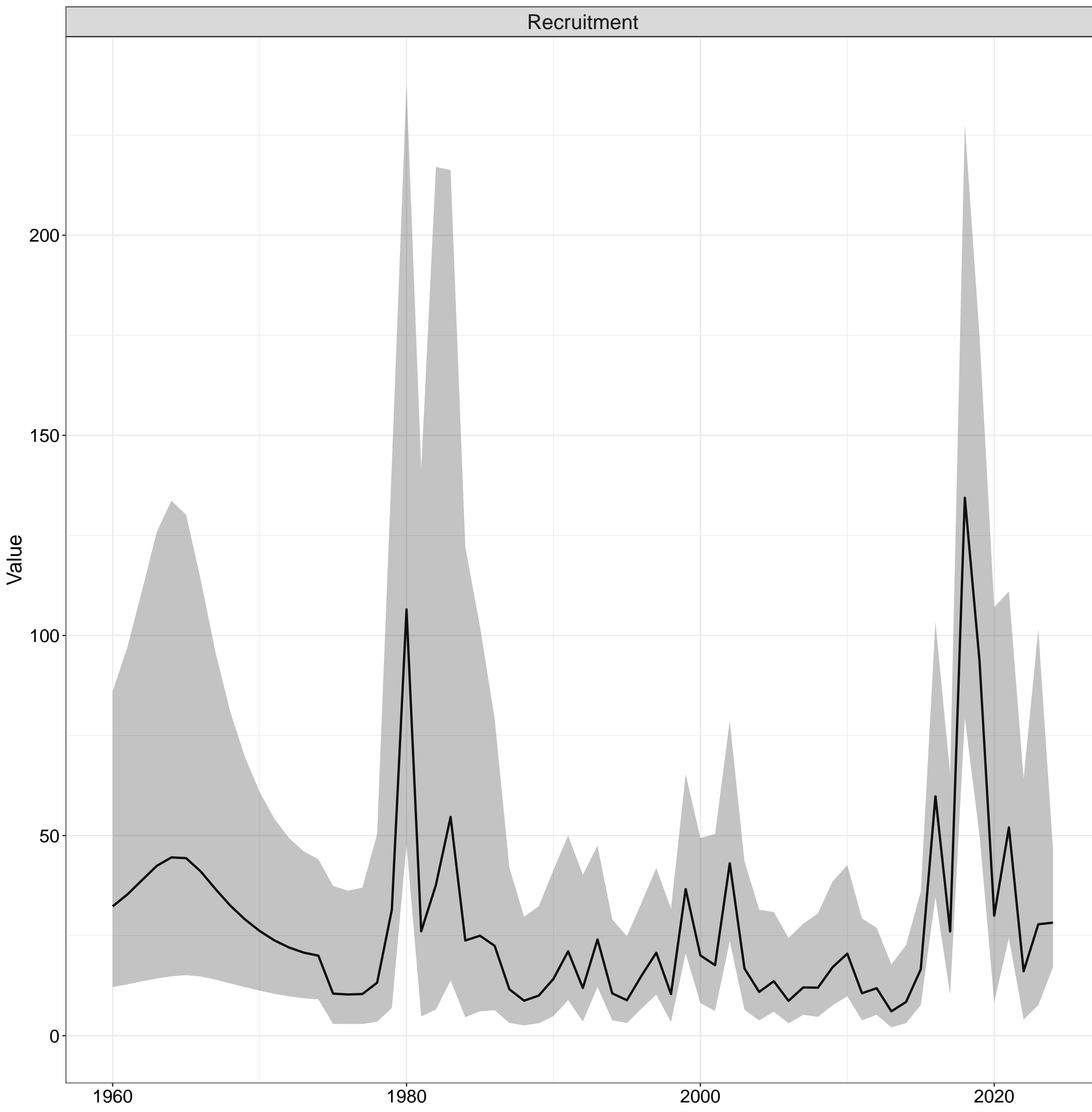


	Comp_Type	Init_Weight	Final_Weight
1	LLF_Age_F	0.8261073	0.8341791
2	LLF_Age_M	NA	NA
3	LLS_Age_F	3.7922454	3.5671937
4	LLS_Age_M	NA	NA
5	JPN_LLS_Age_F	1.3168111	0.5526887
6	JPN_LLS_Age_M	NA	NA
7	LLF_Len_F	4.1837057	5.5984795
8	LLF_Len_M	4.2696935	NA
9	TF_Len_F	0.3164859	0.2933904
10	TF_Len_M	0.2293966	NA
11	LLS_Len_F	1.4379202	2.5694648
12	LLS_Len_M	1.0705376	NA
13	TS_Len_F	0.6708833	0.4056932
14	TS_Len_M	0.4652071	NA
15	JPN_LLS_Len_F	1.2777281	1.0890768
16	JPN_LLS_Len_M	0.8575195	NA

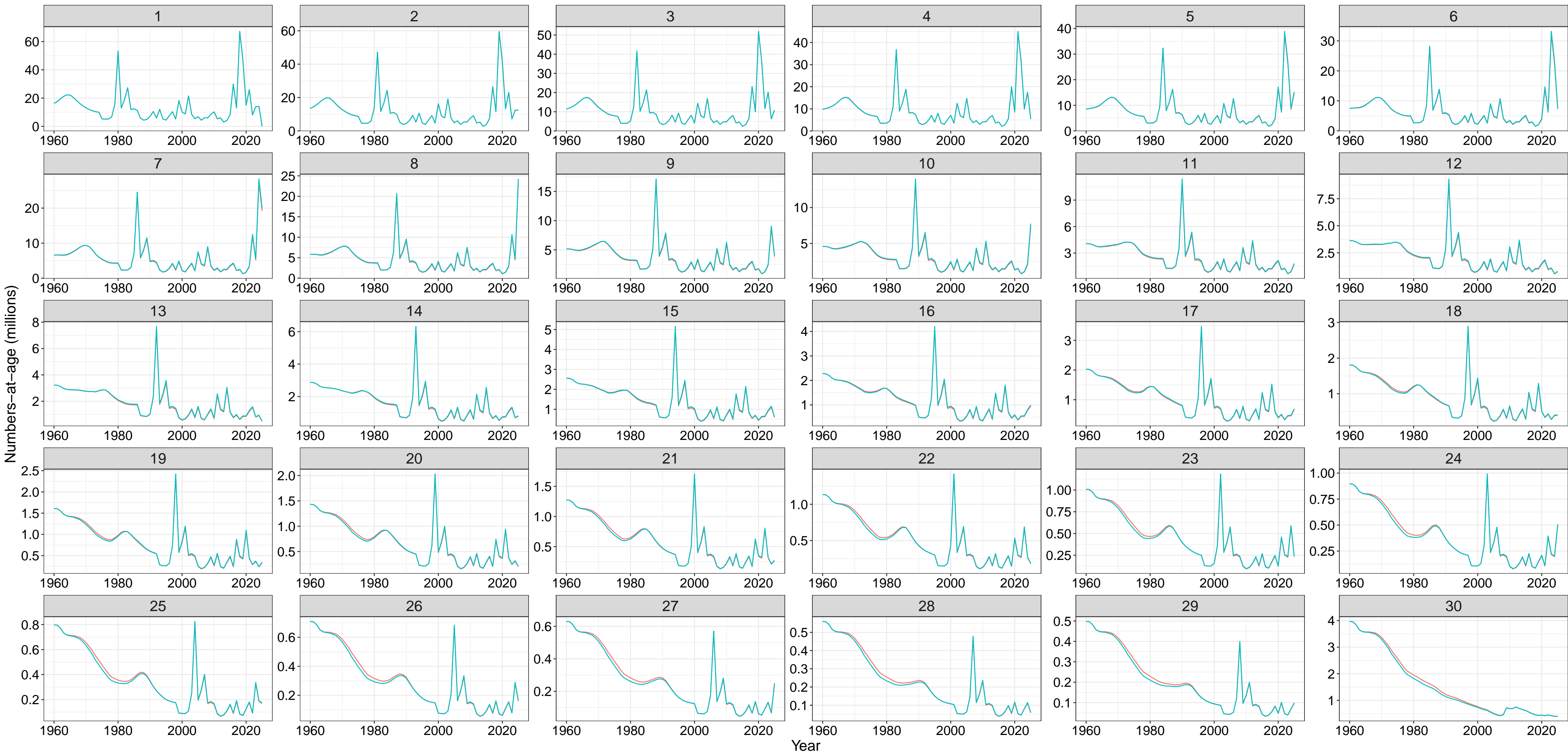


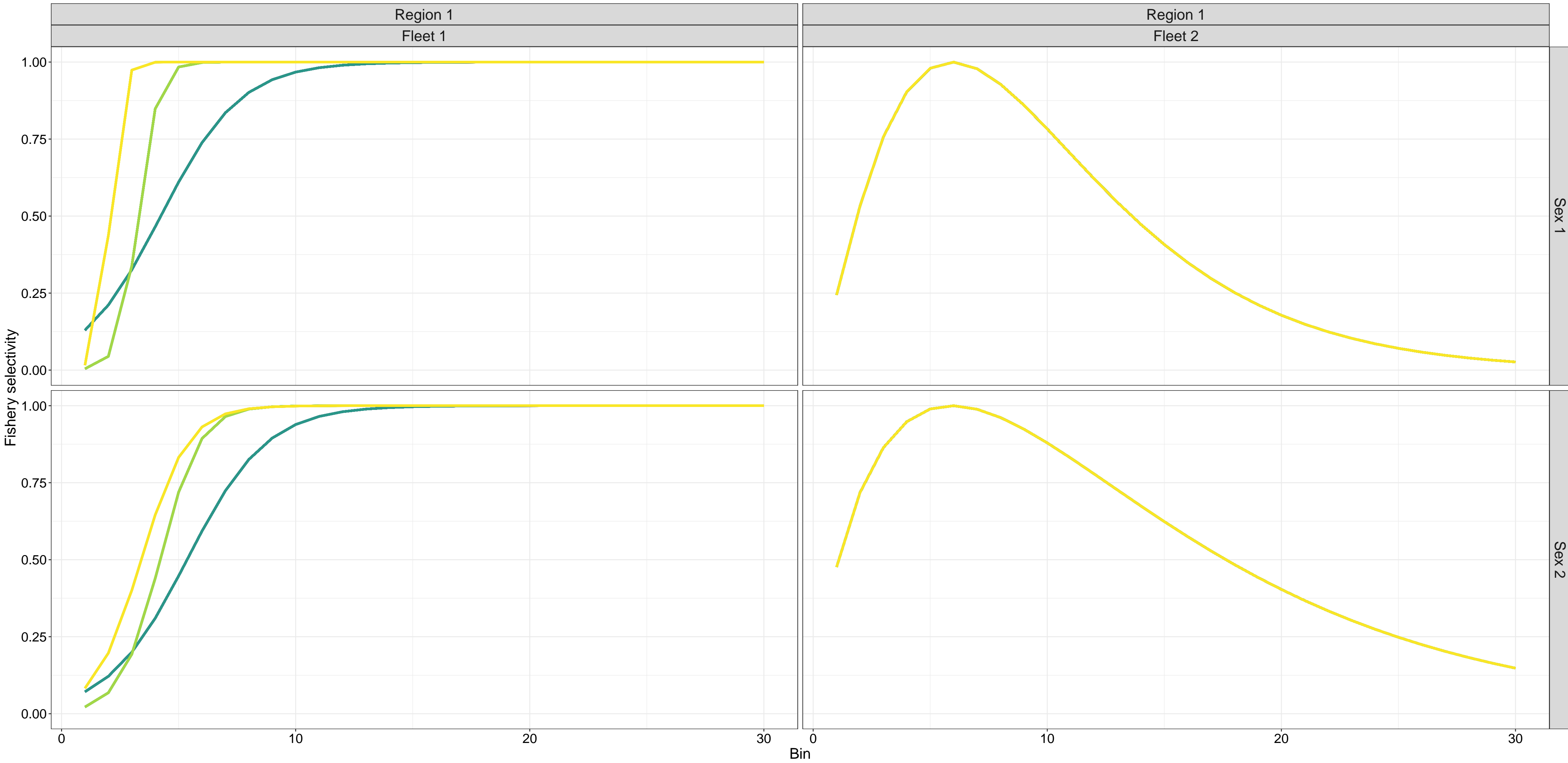
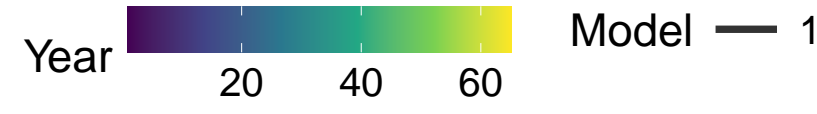
	Model	Region	Terminal_SSB	Terminal_F	Catch_Advice	B_Ref_Pt	F_Ref_Pt	B_over_B_Ref	F_over_F_Ref
1	1	1	219.79521	0.04162538830892	50.00421	125.19691	0.09062	1.7556	0.45932

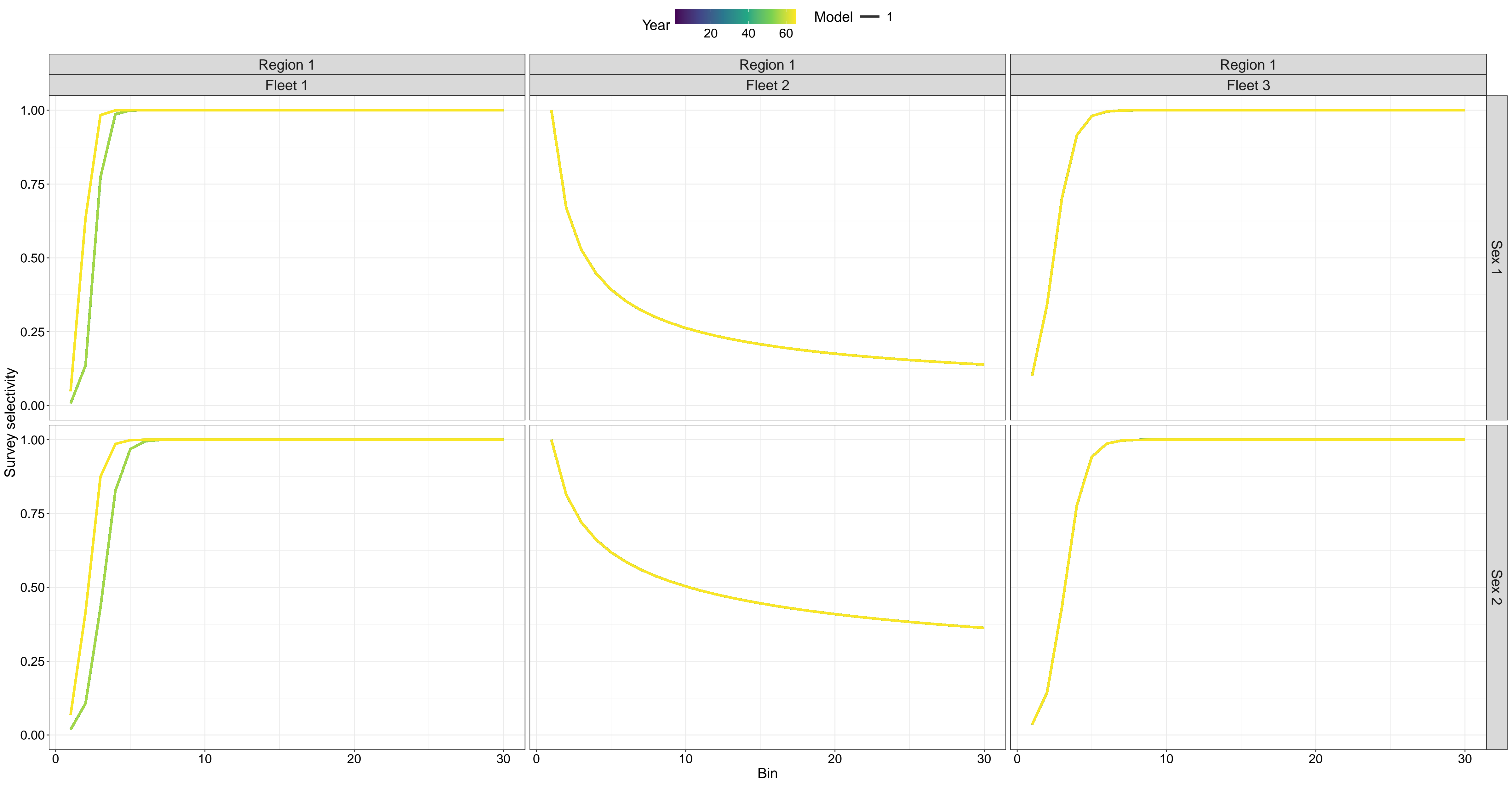


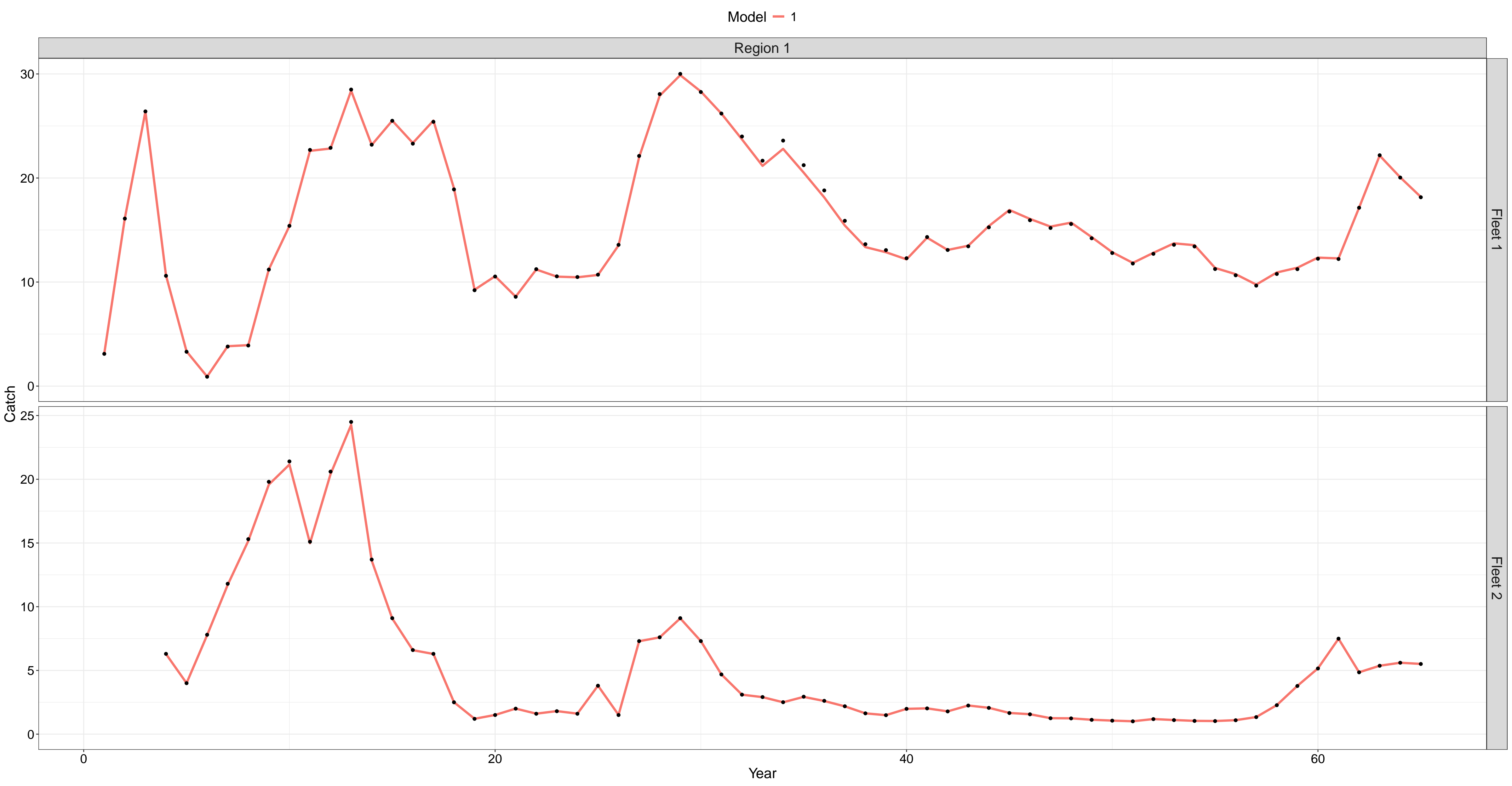
# Numbers-at-Age

Sex — Female — Male



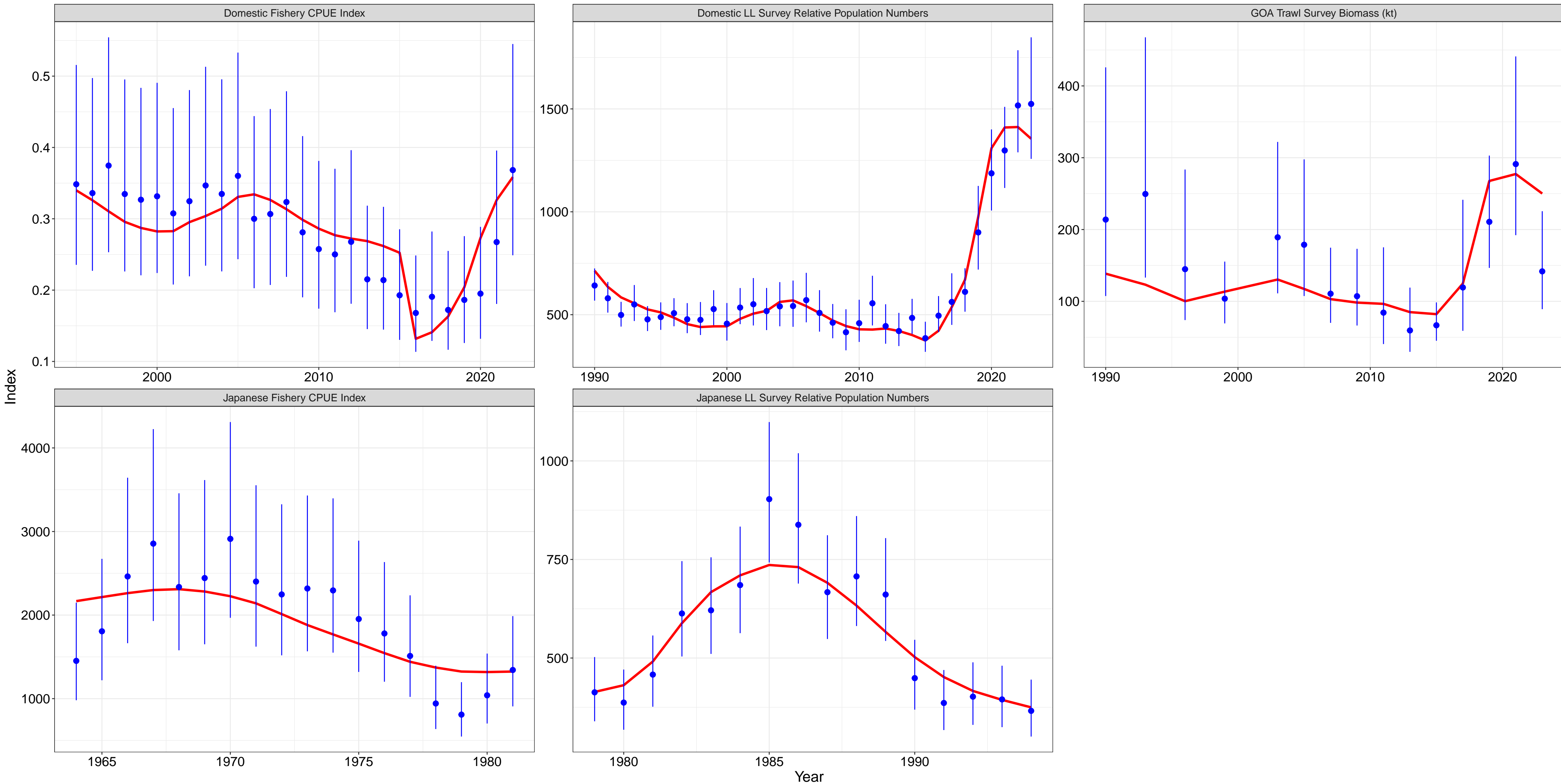




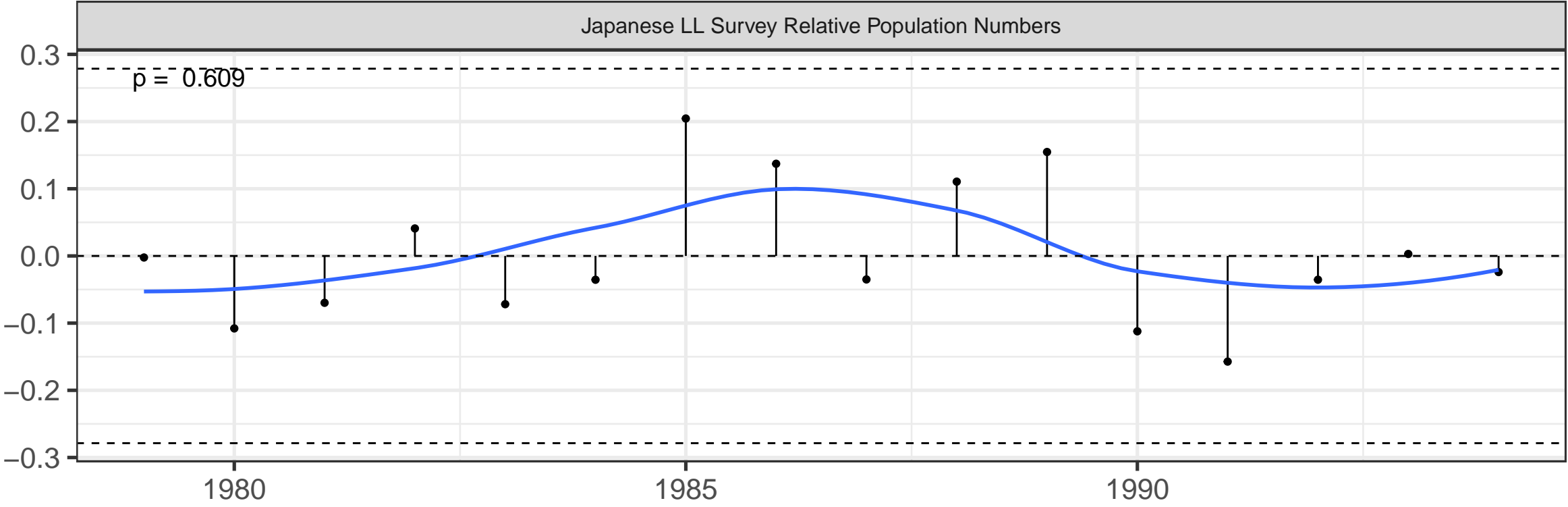
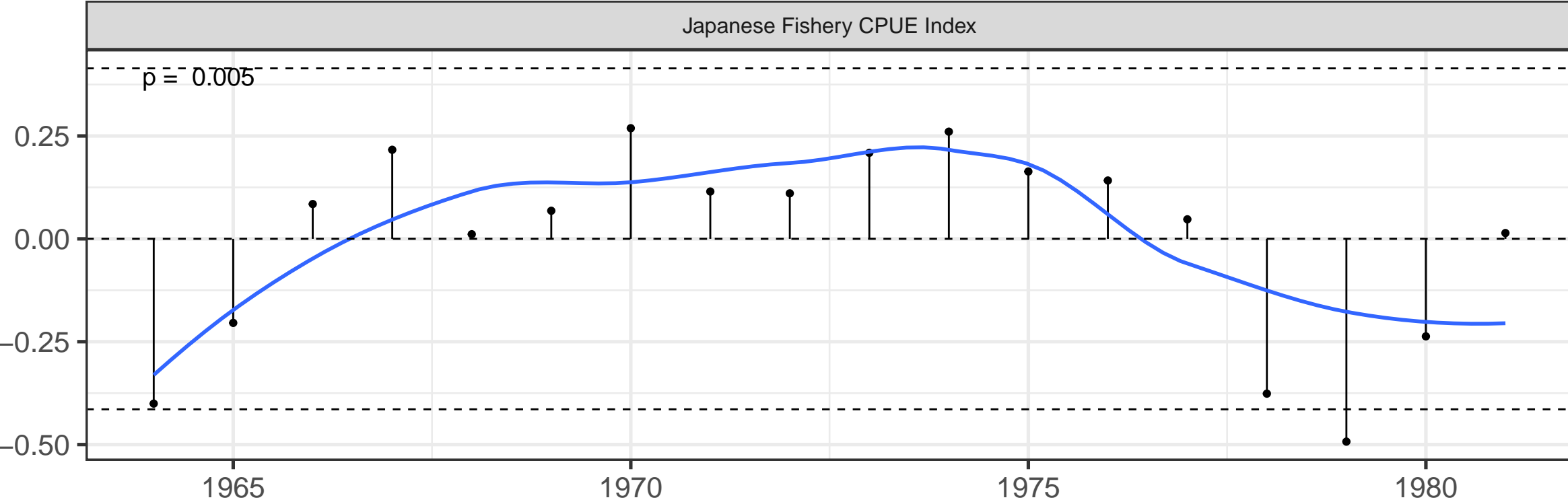
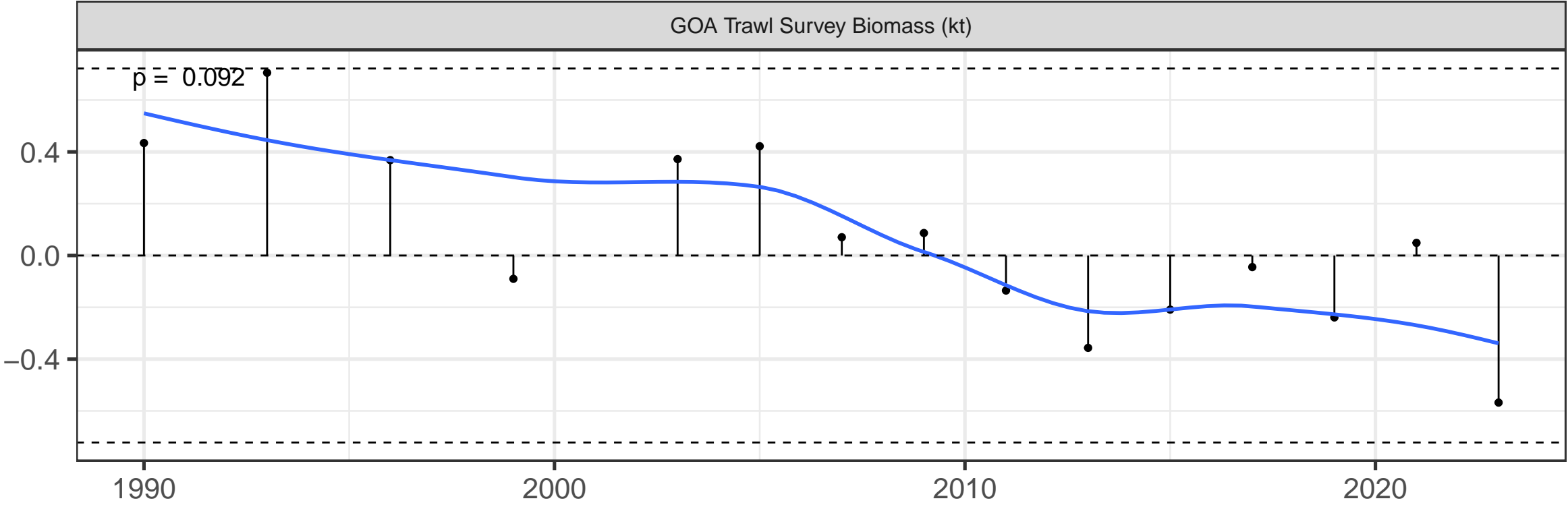
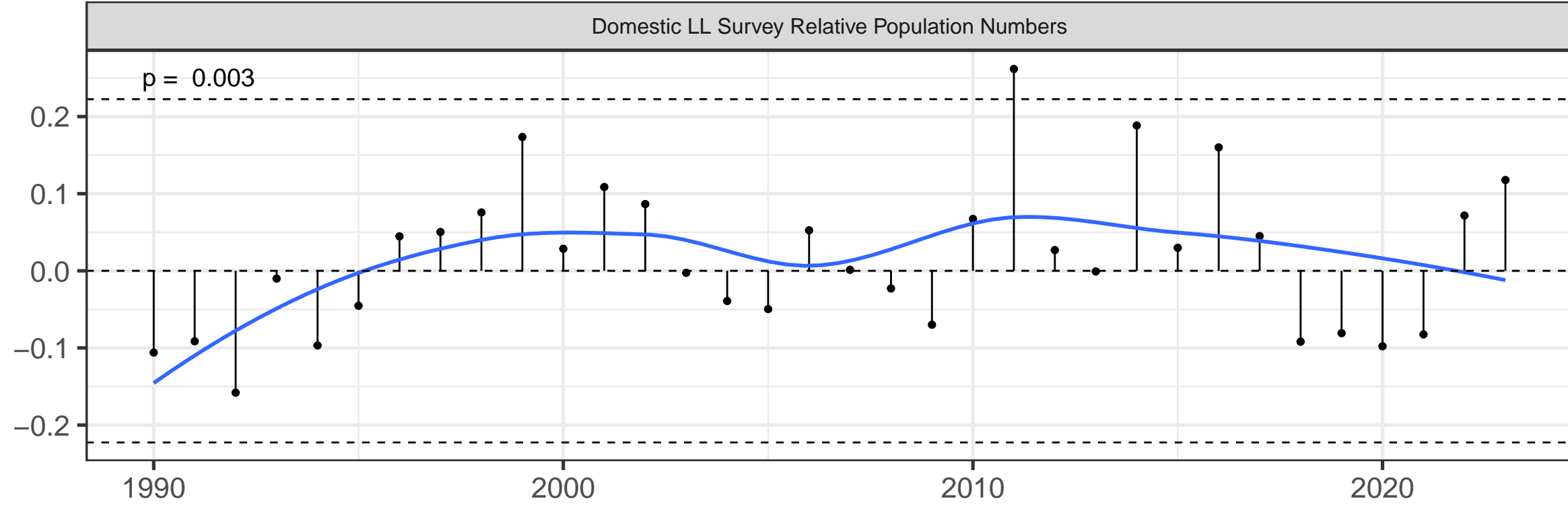
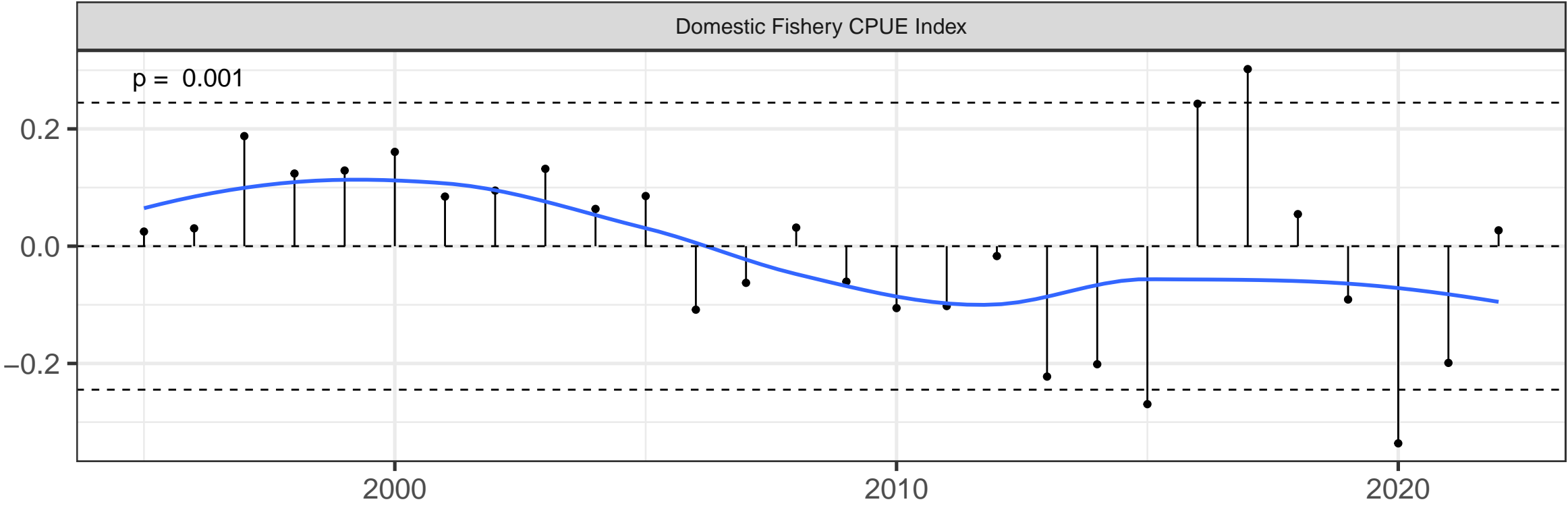




# Index Fits

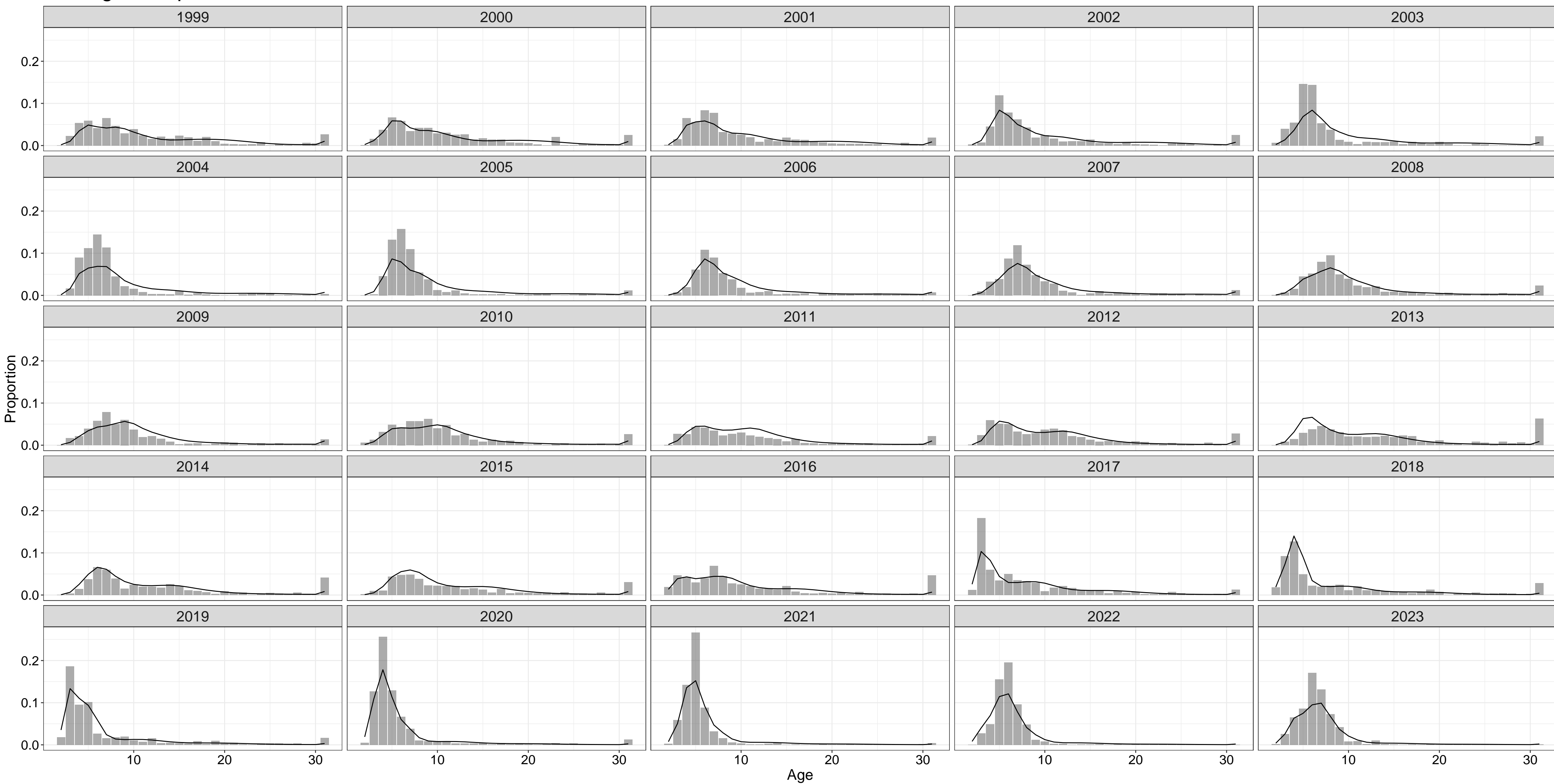


# Index Residuals Runs Test

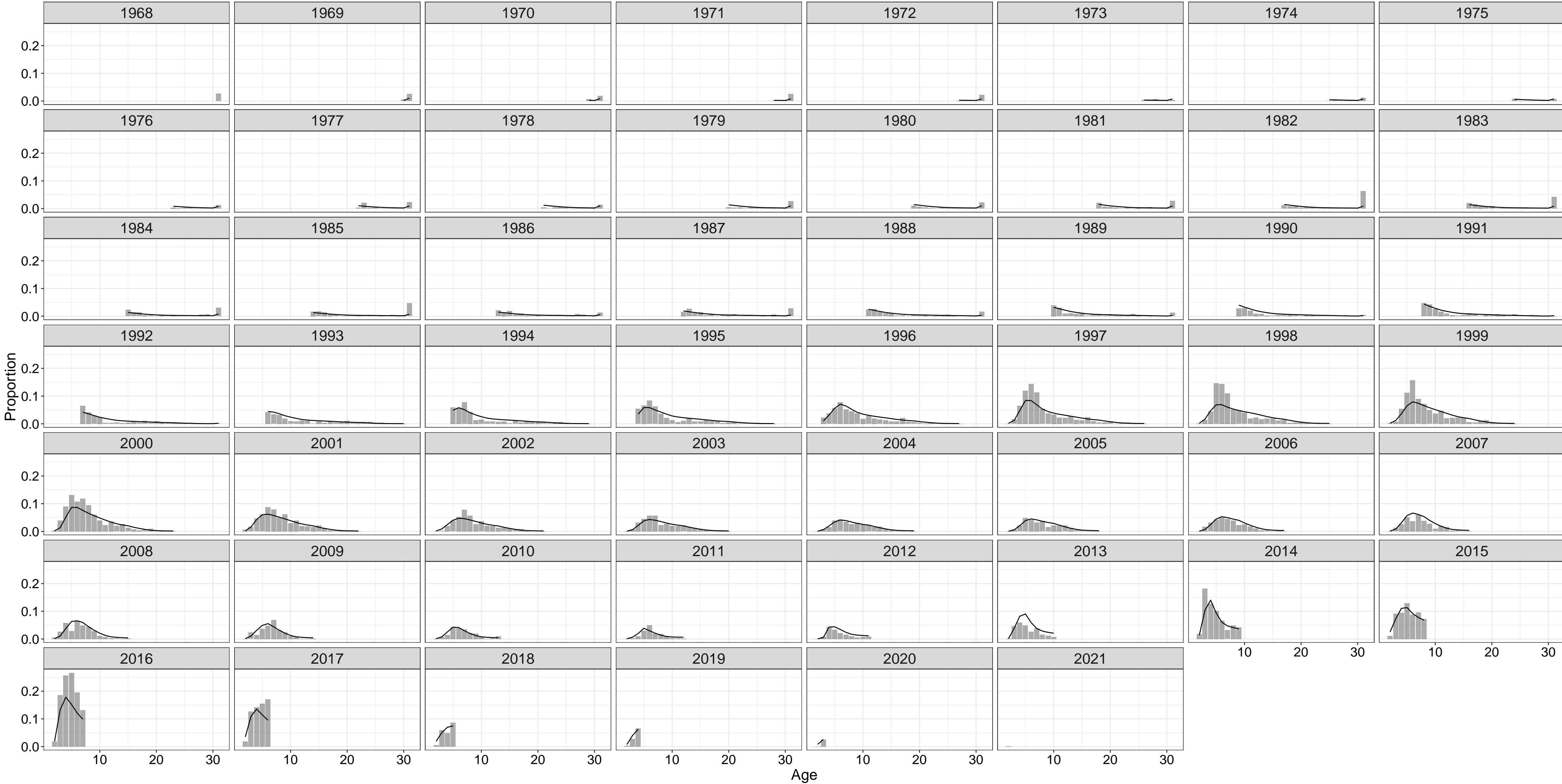


Year

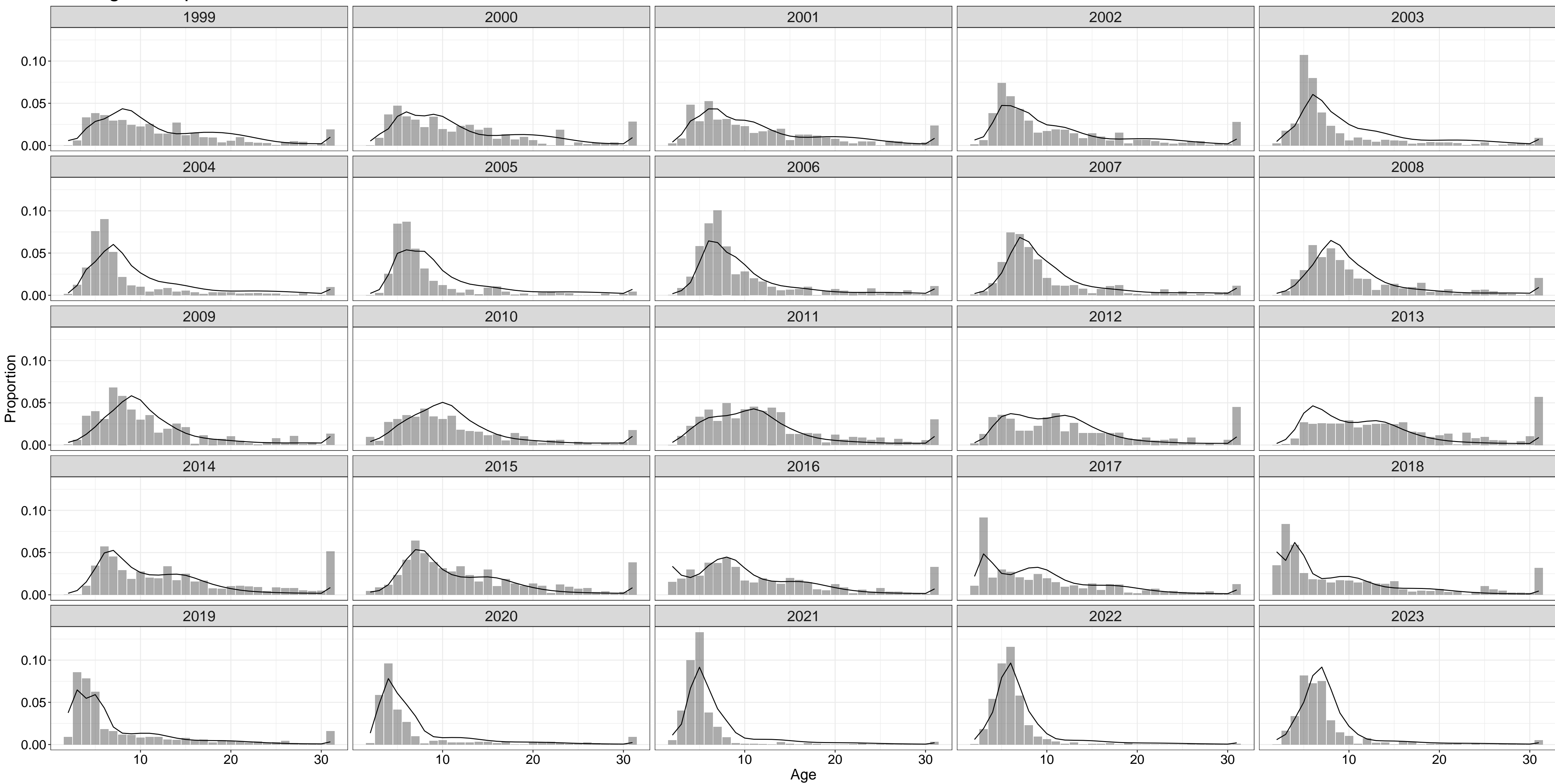
# LLF Age Comps Female



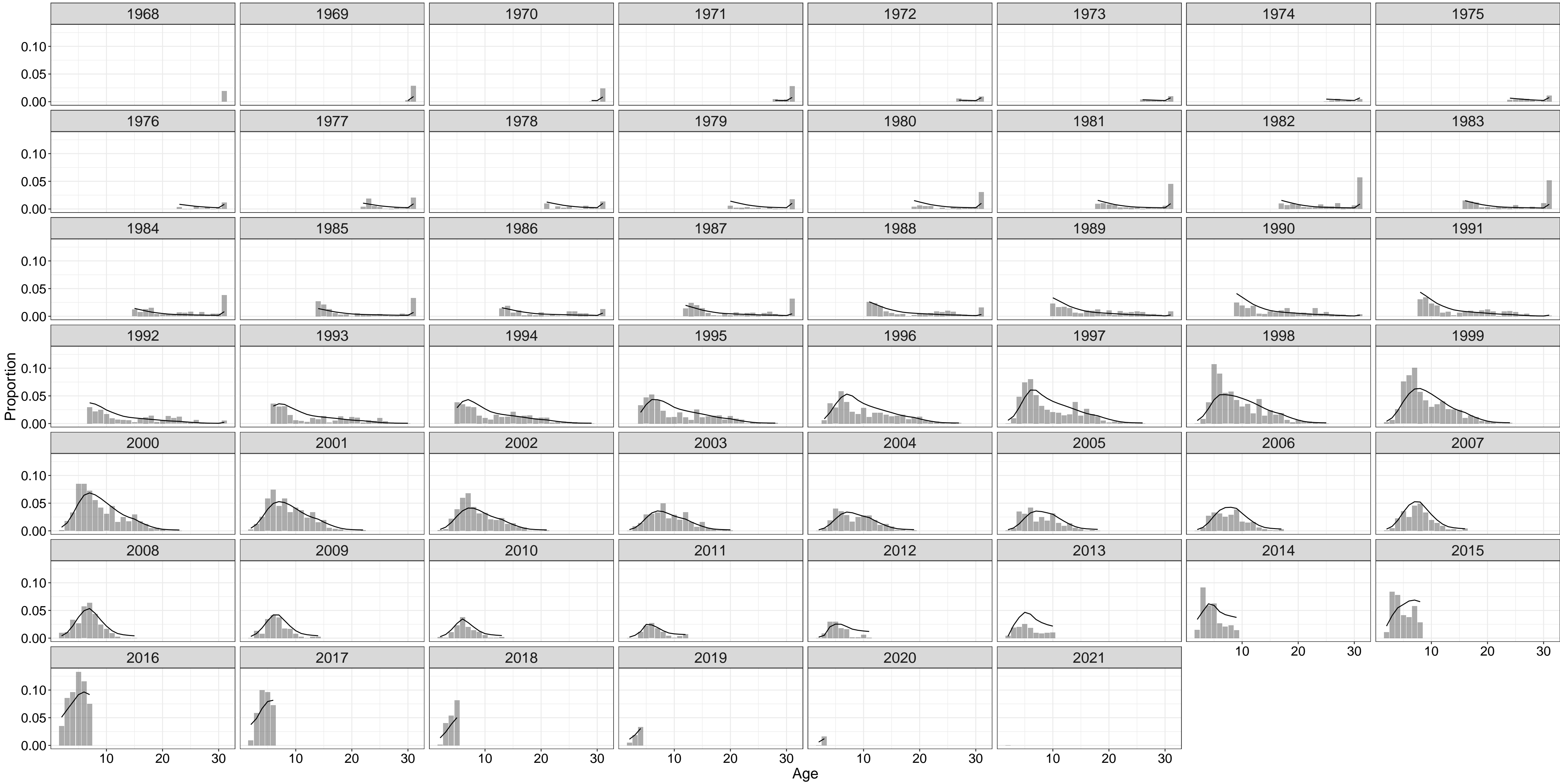
LLF Age Comps Cohort Fits Female



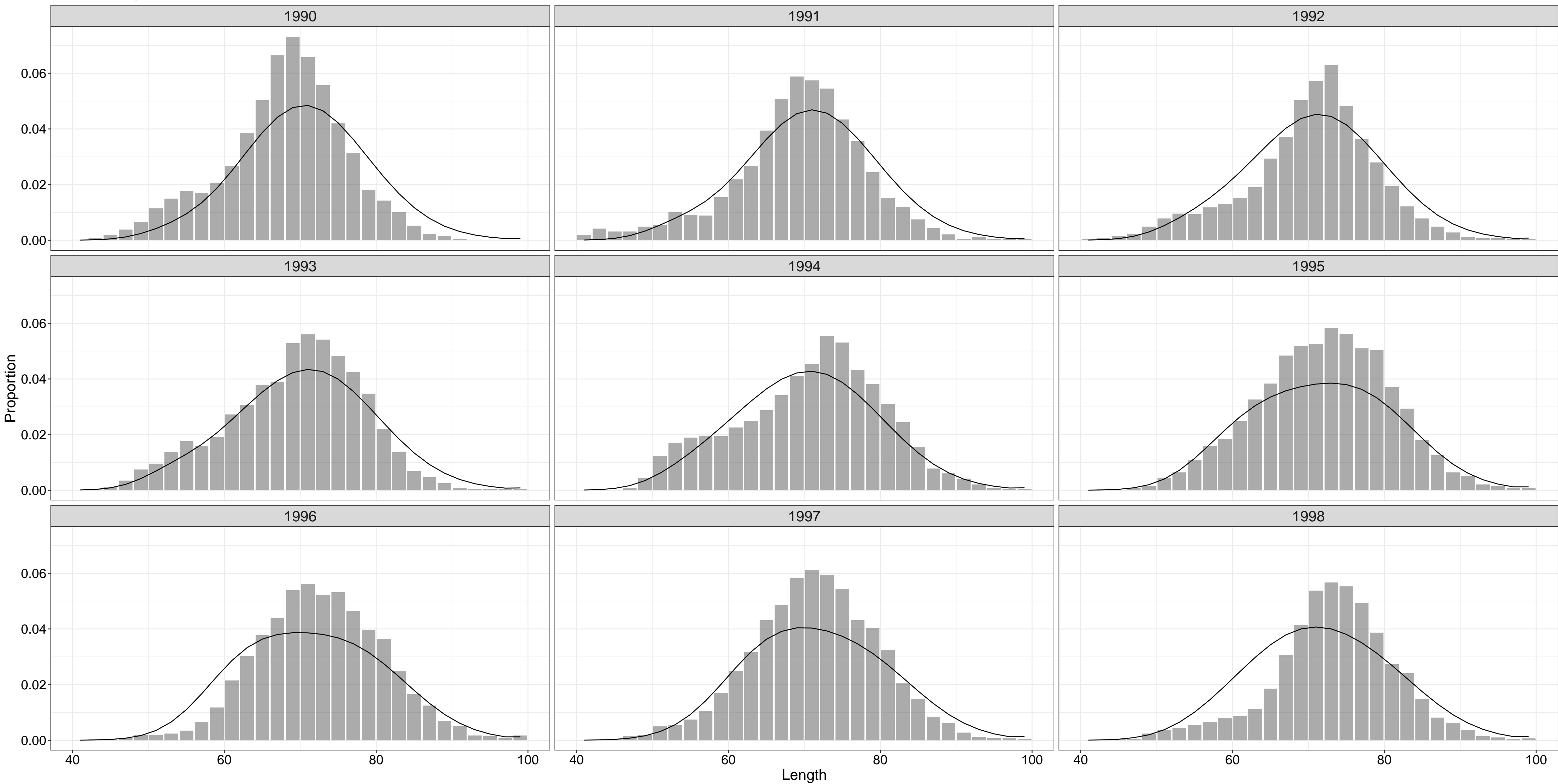
# LLF Age Comps Male



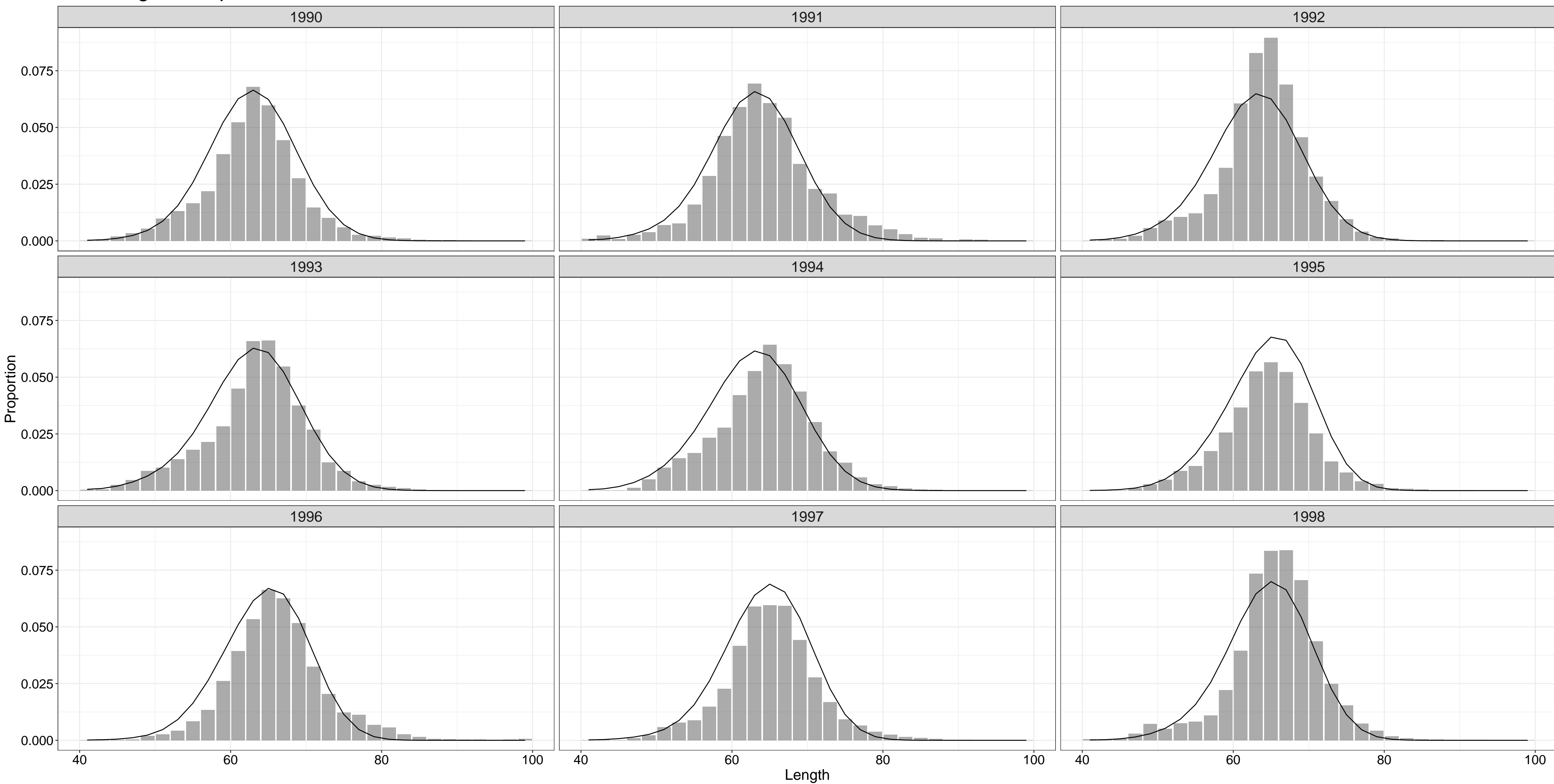
LLF Age Comps Cohort Fits Male



# LLF Length Comps Female

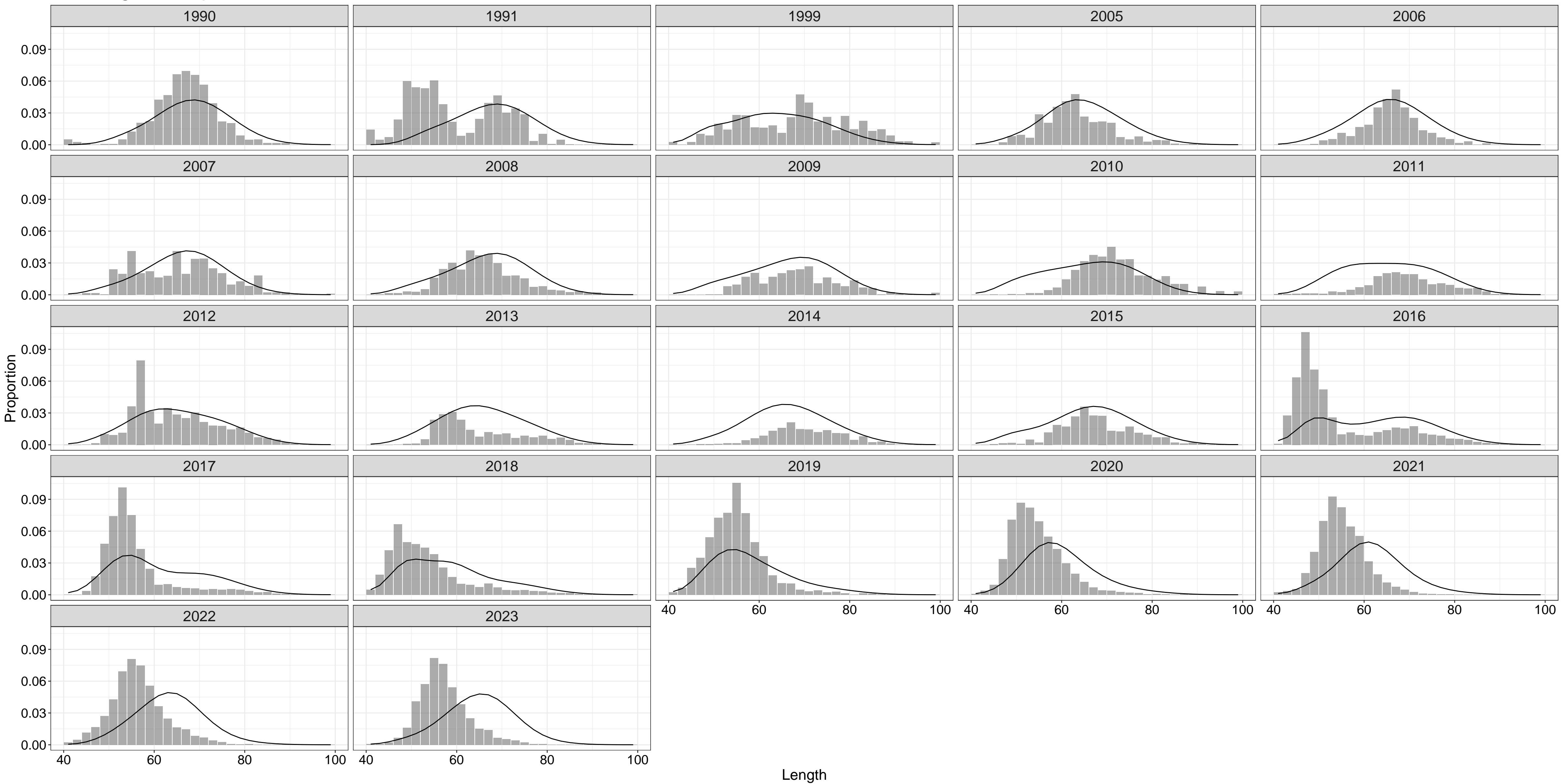


# LLF Length Comps Male

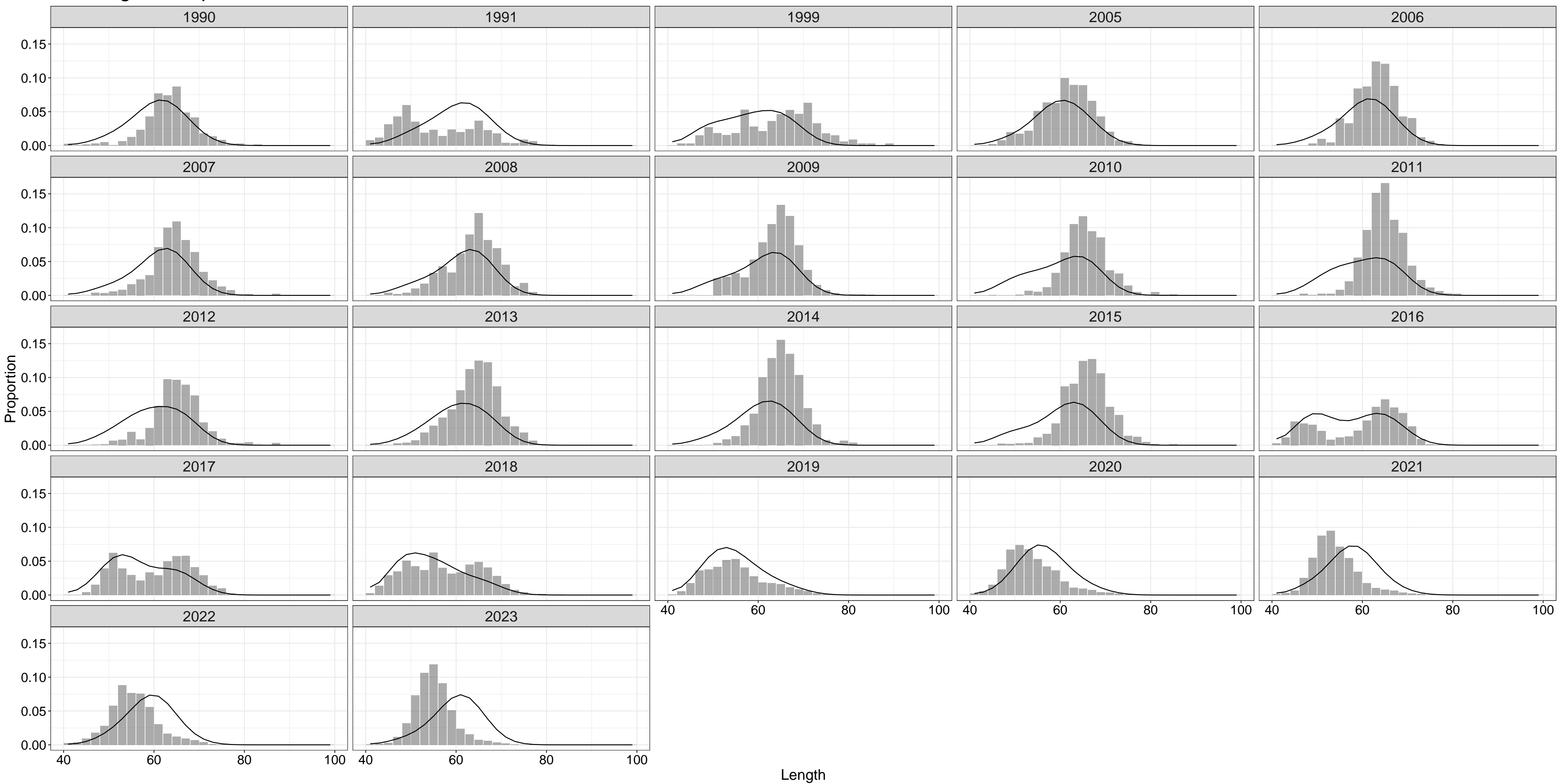




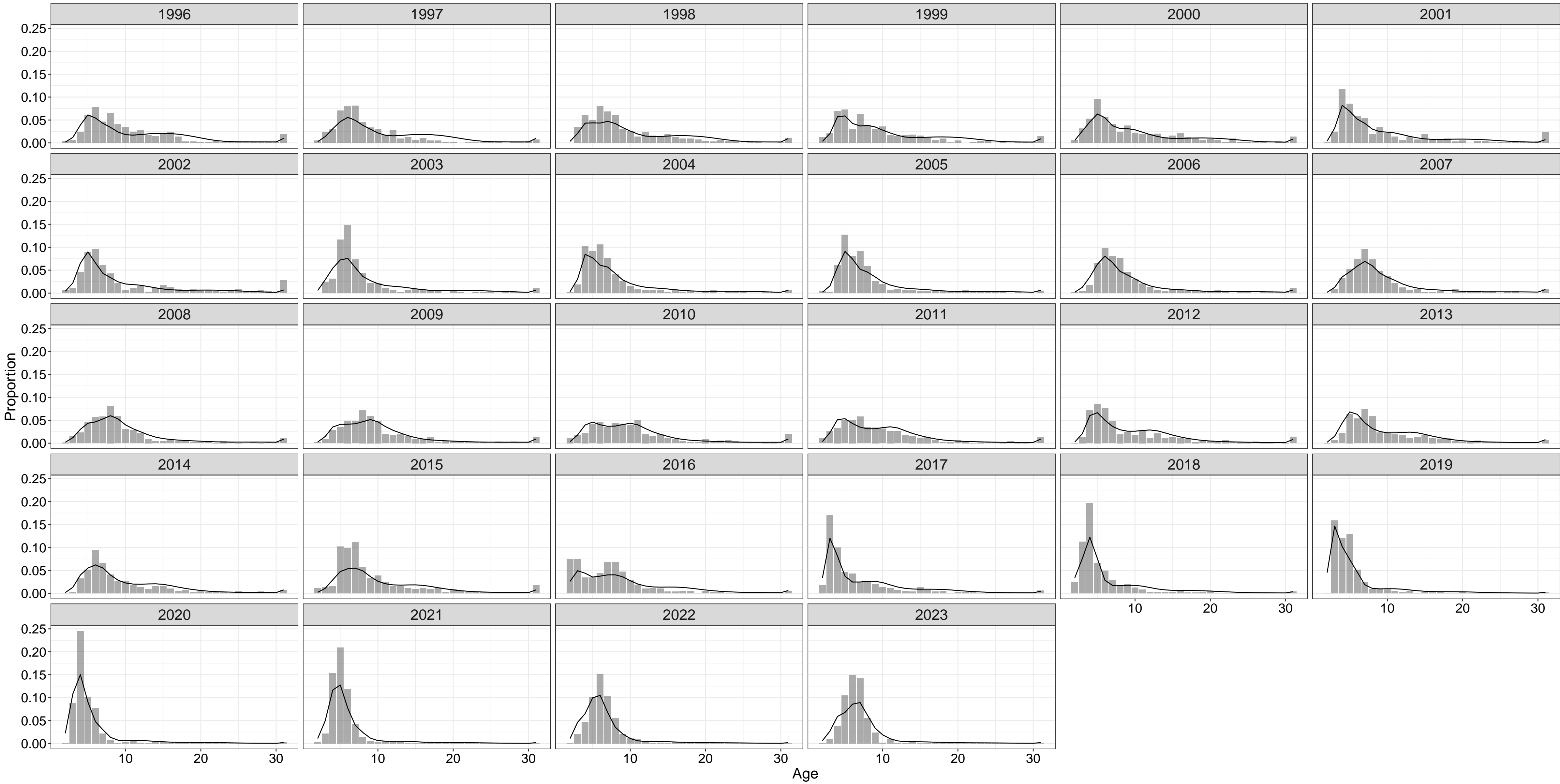
# TF Length Comps Female



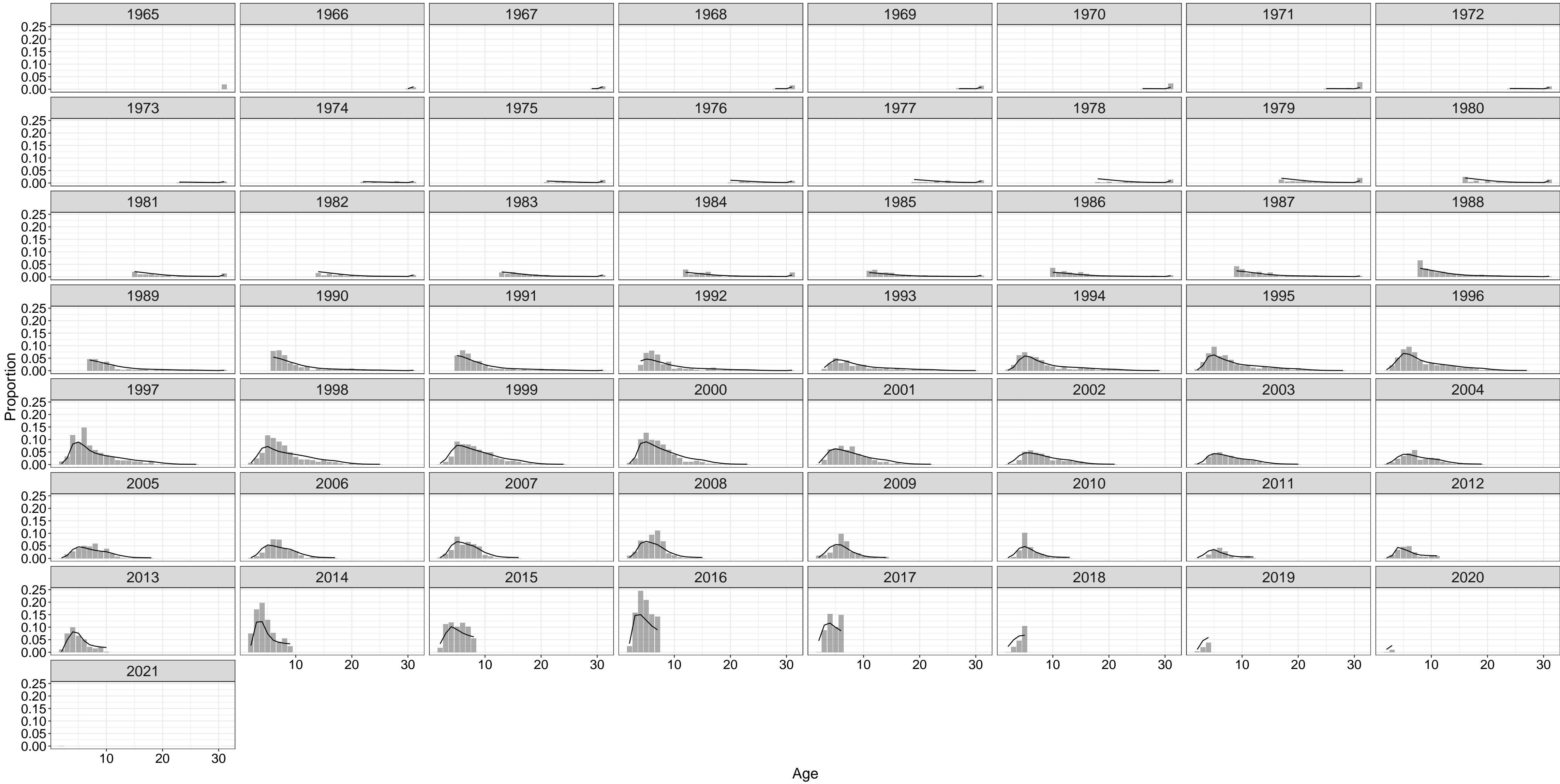
# TF Length Comps Male



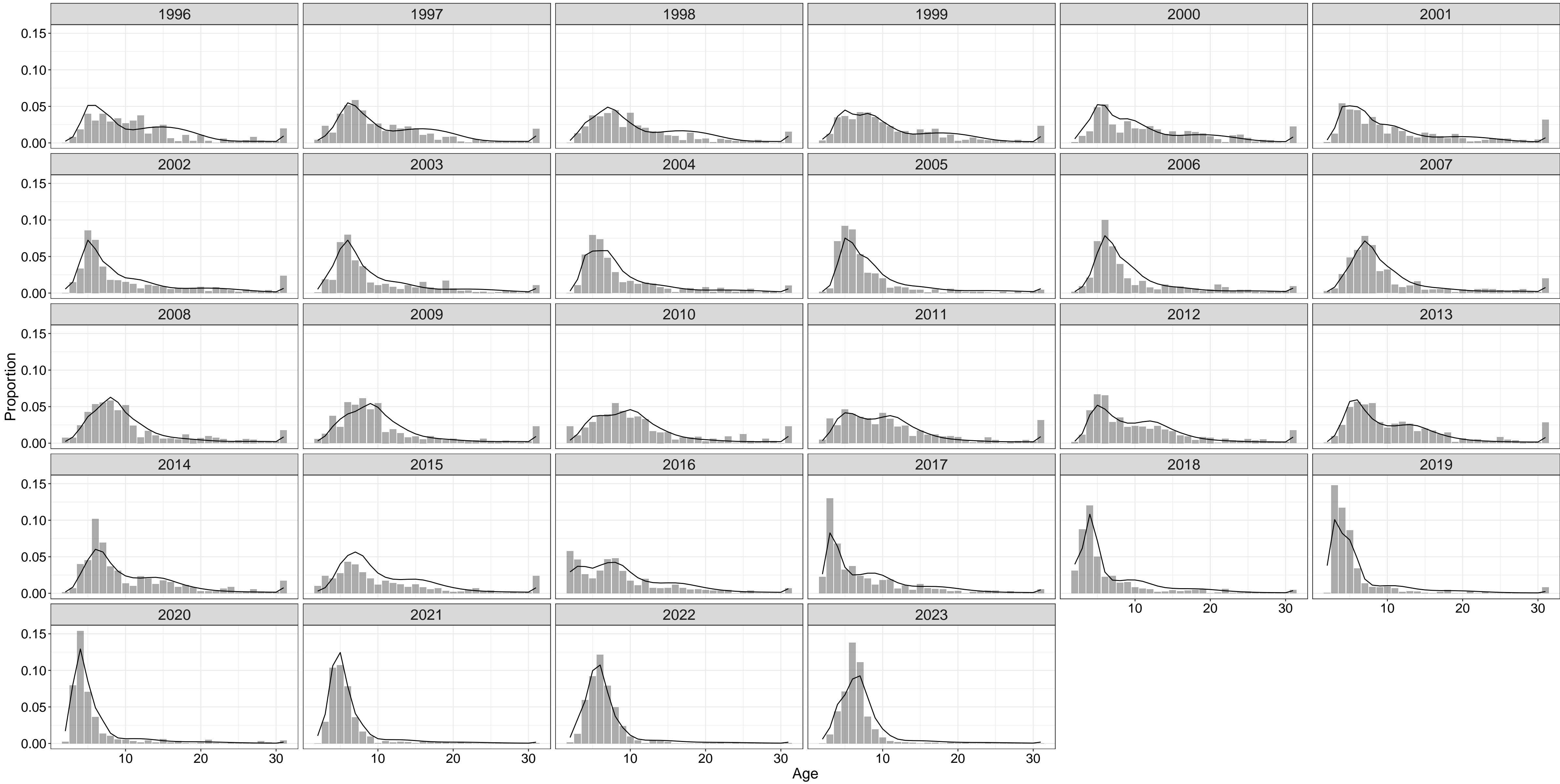
# LLS Age Comps Female



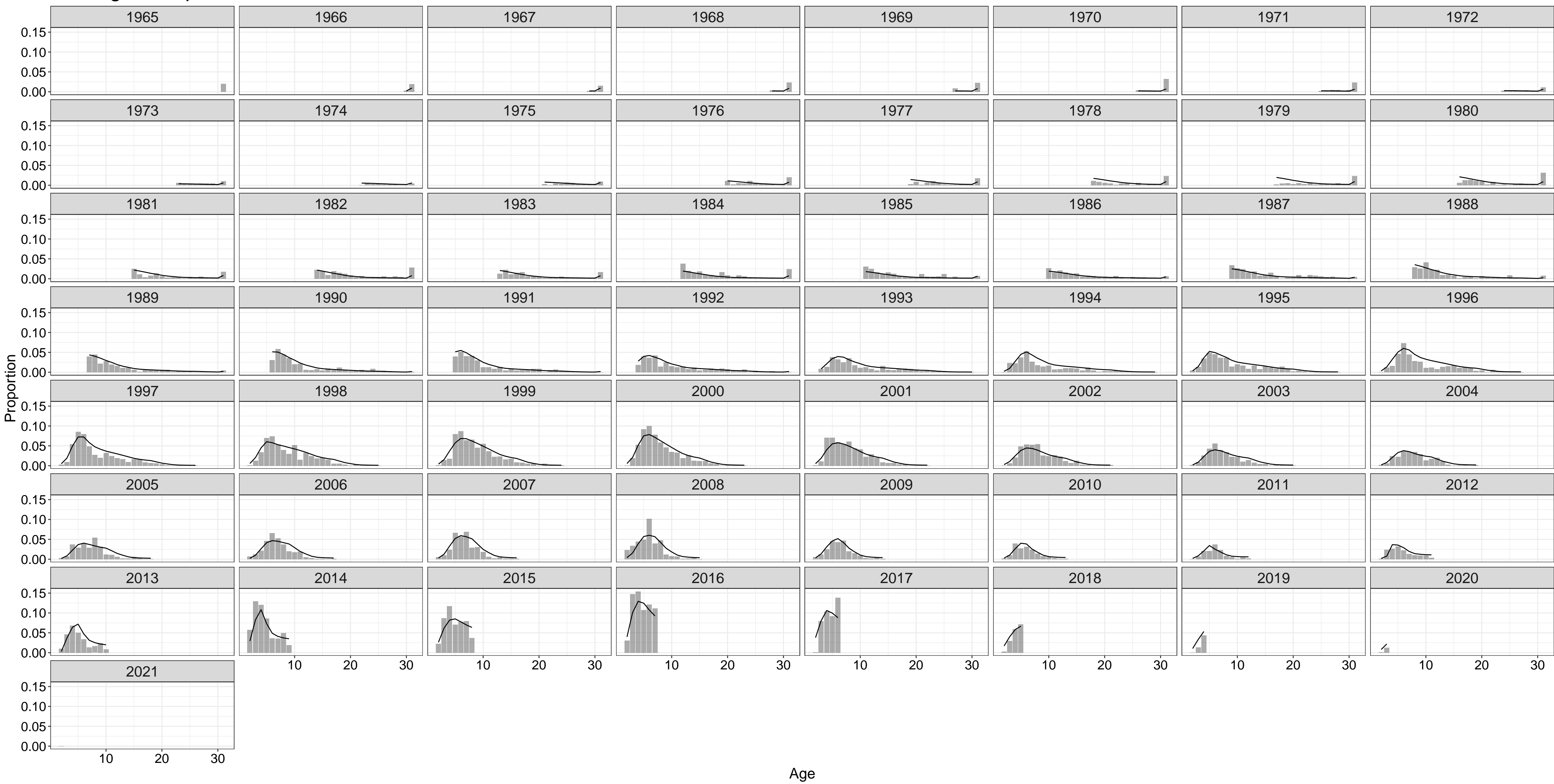
# LLS Age Comps Cohort Fit Female



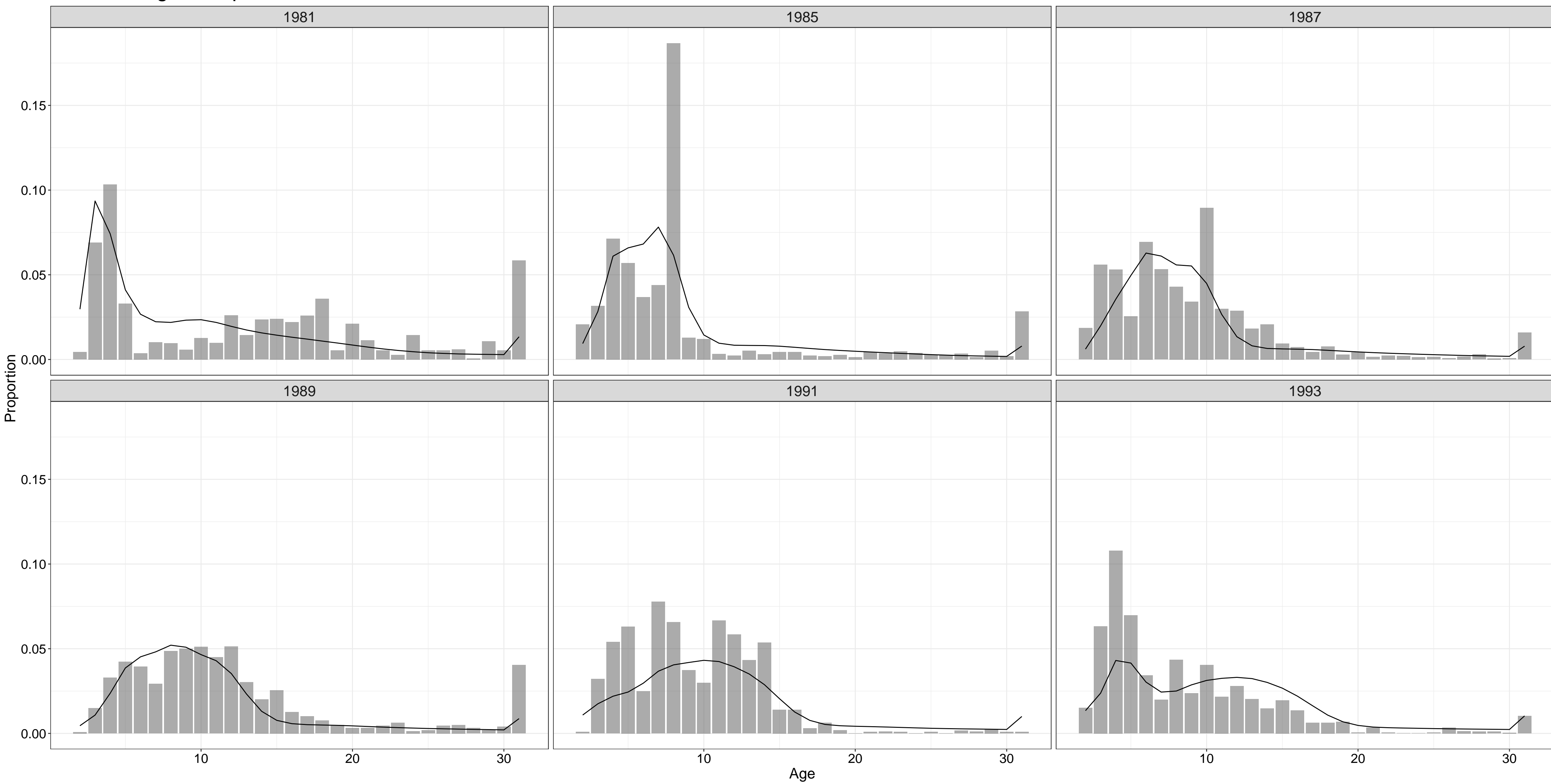
# LLS Age Comps Male



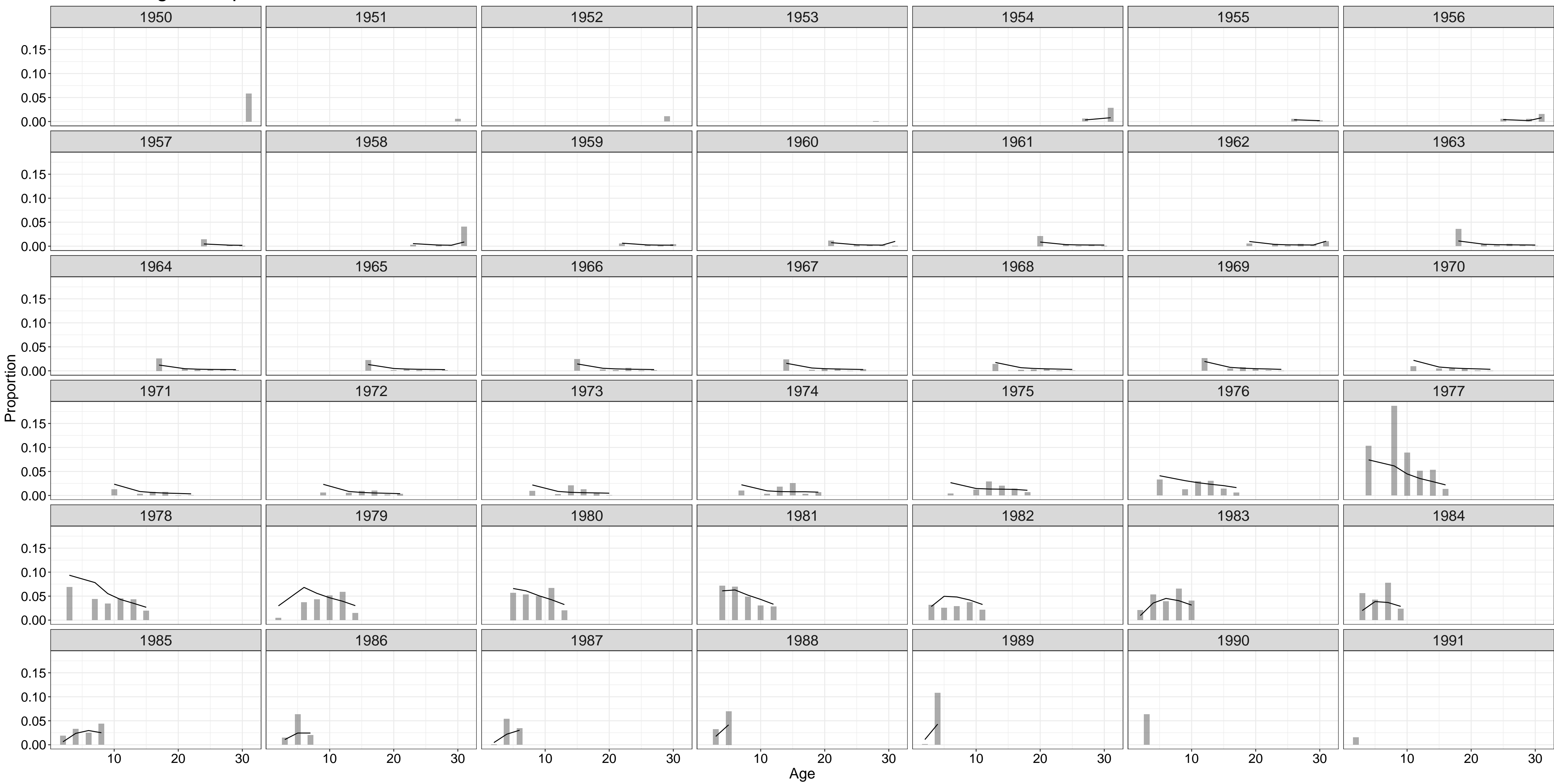
# LLS Age Comps Cohort Fit Male



JPN LLS Age Comps Female

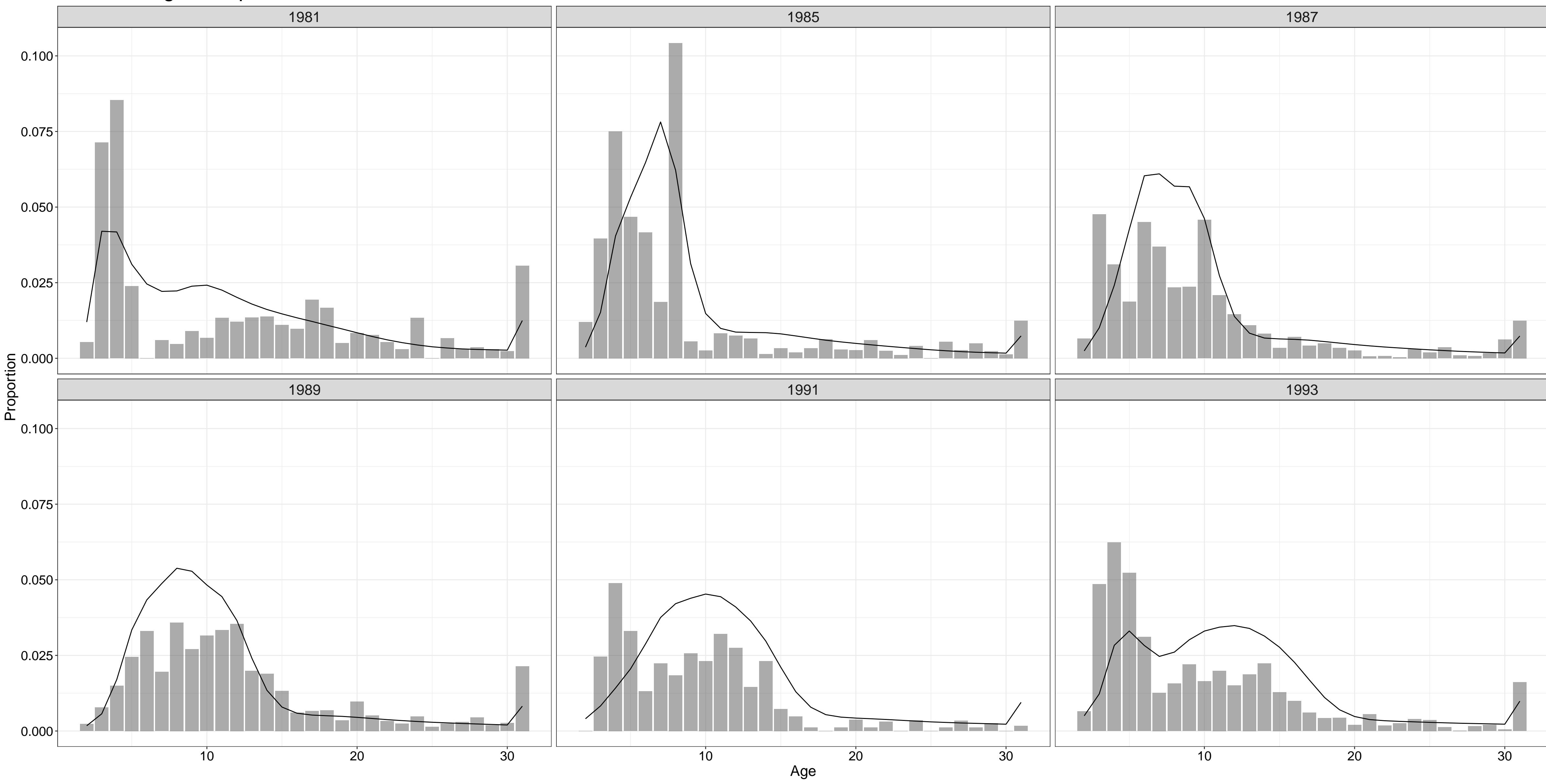


JPN LLS Age Comps Cohort Fit Female

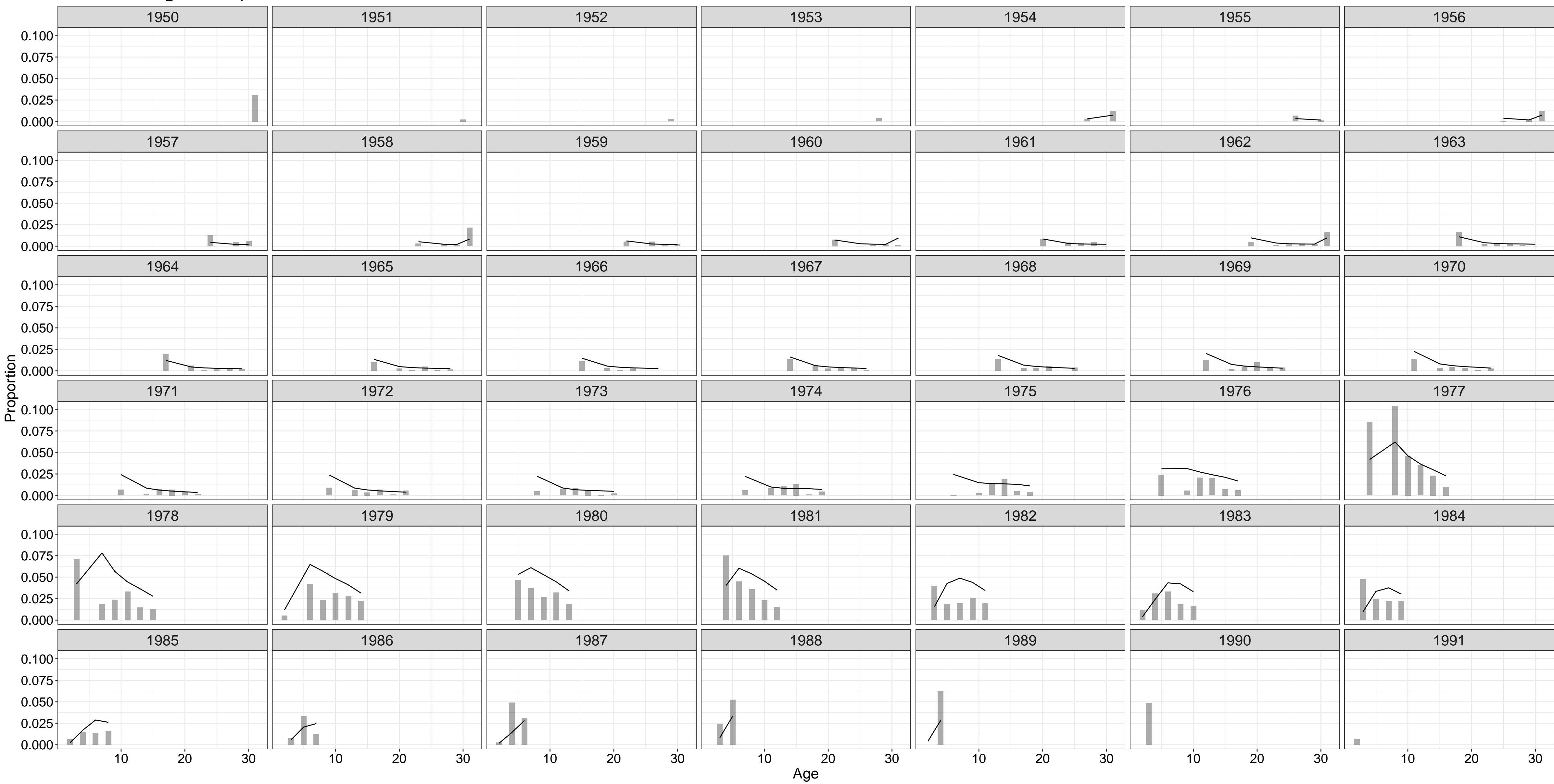




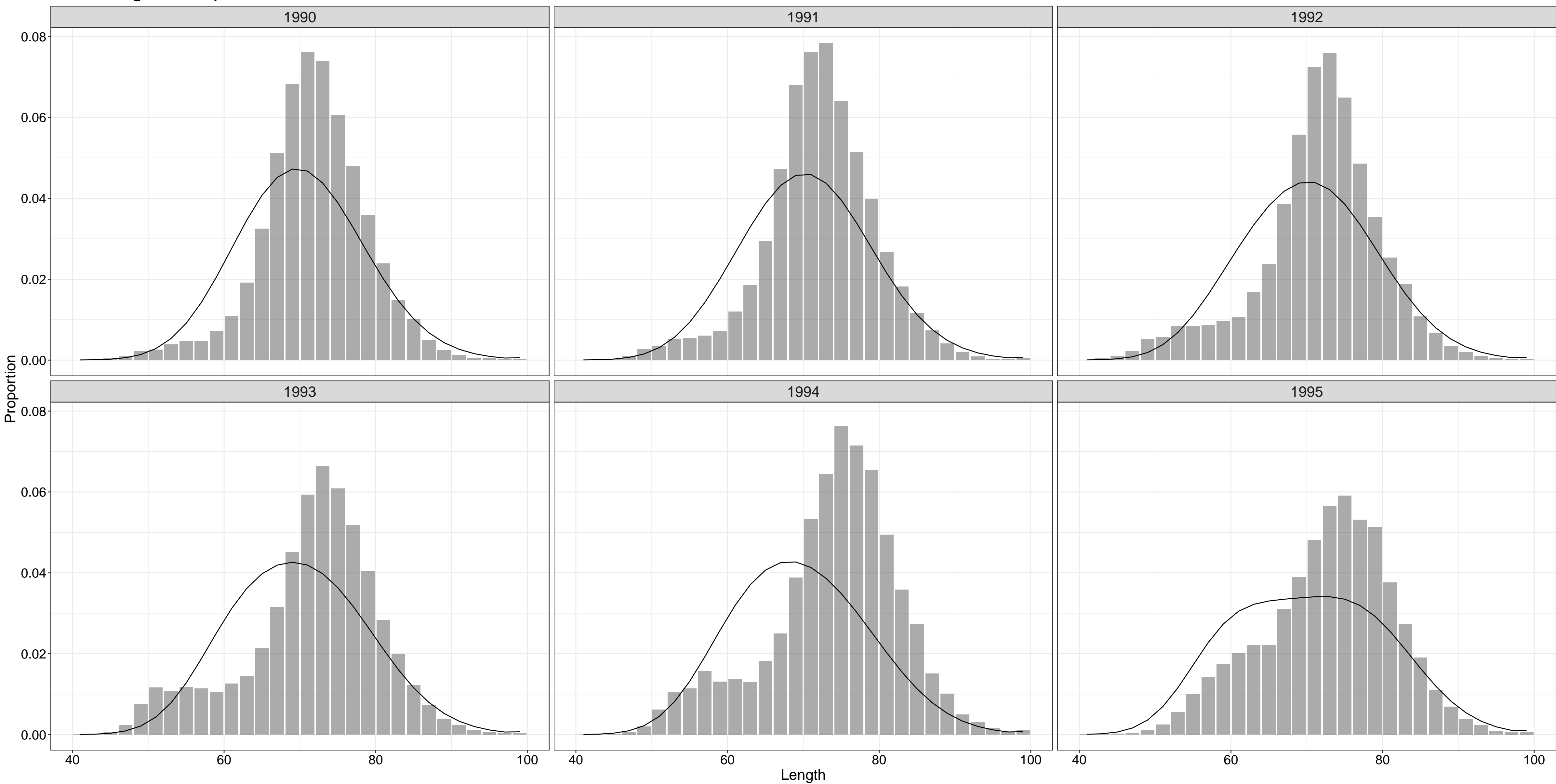
# JPN LLS Age Comps Male



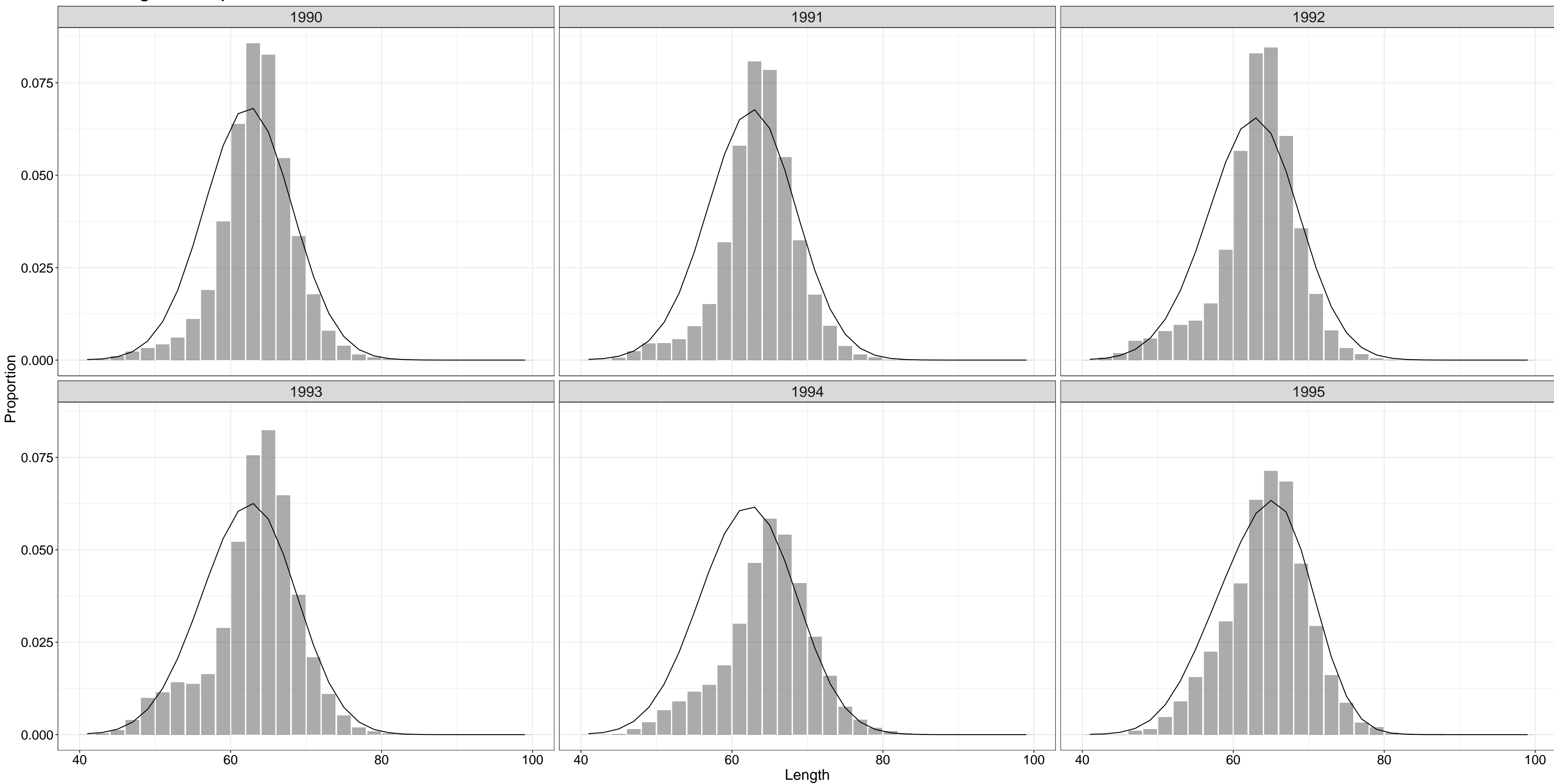
# JPN LLS Age Comps Cohort Fit Male



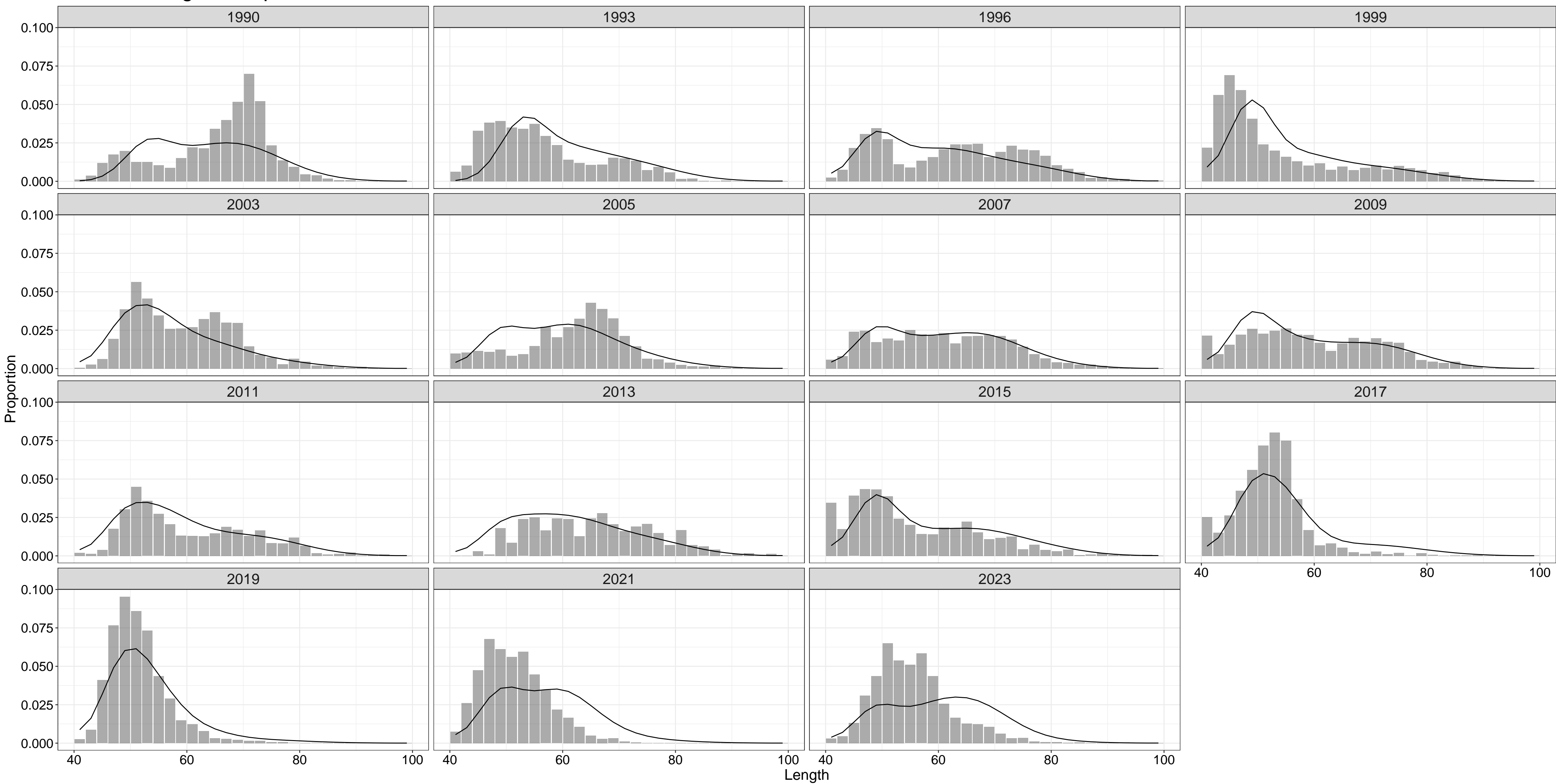
# LLS Length Comps Female



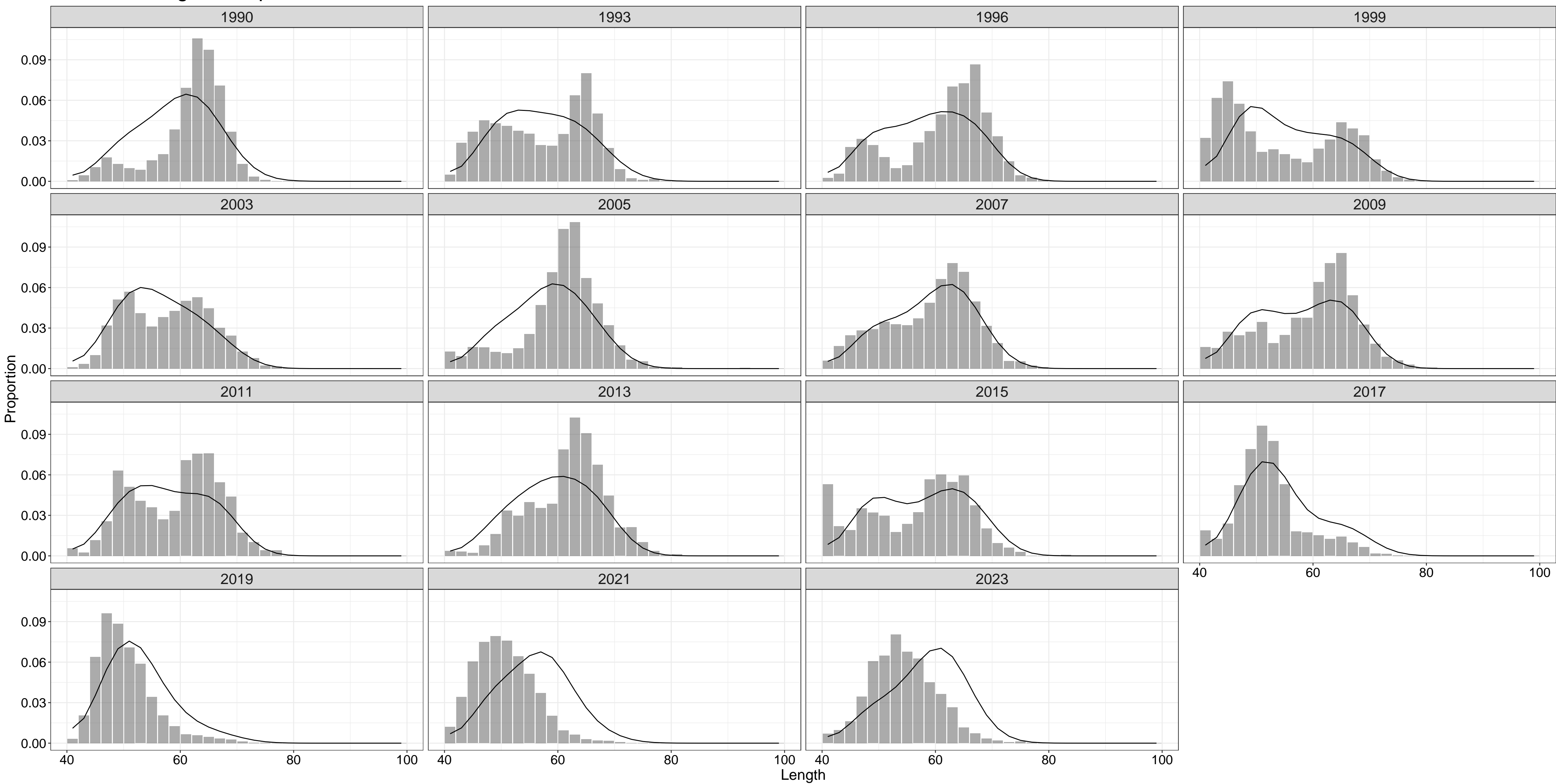
# LLS Length Comps Male



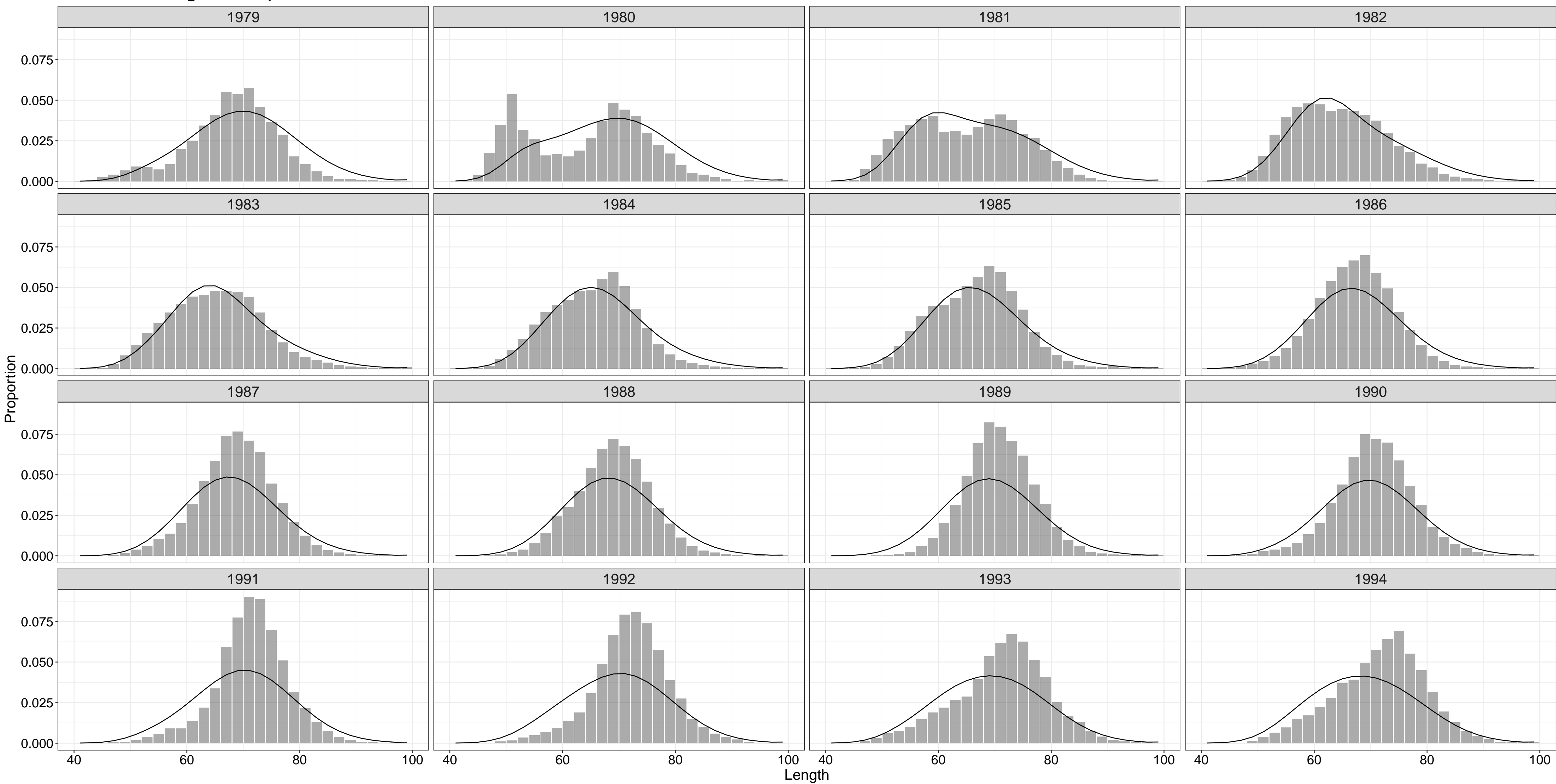
# GOA TS Length Comps Female



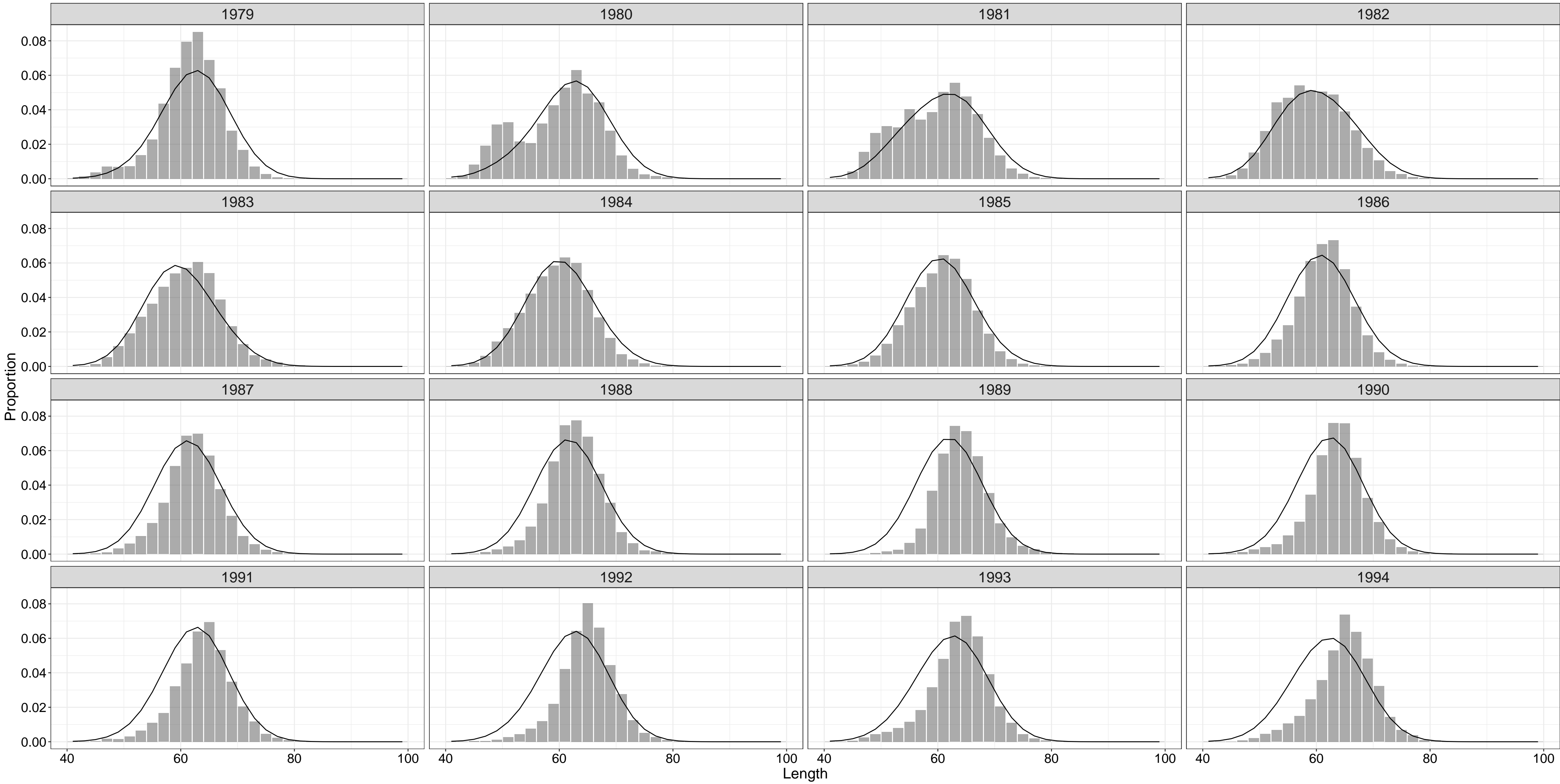
# GOA TS Length Comps Male



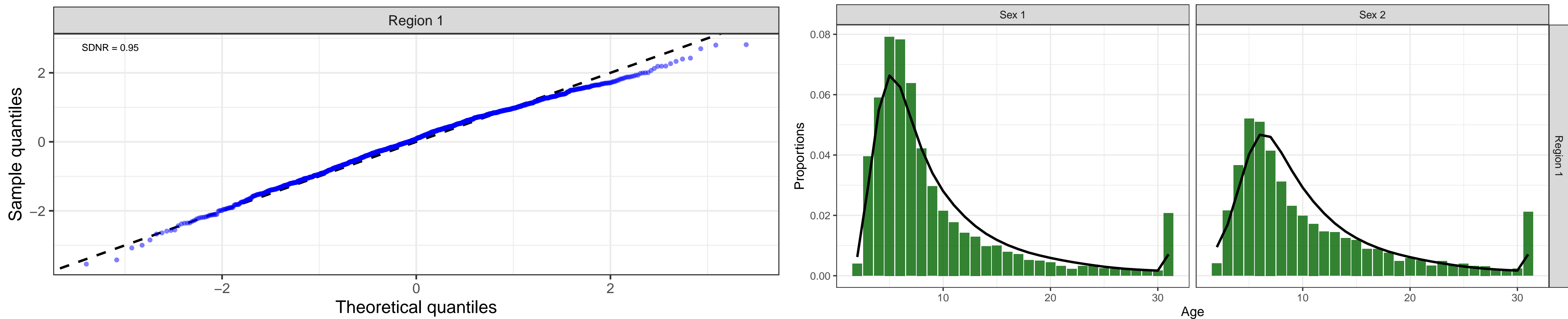
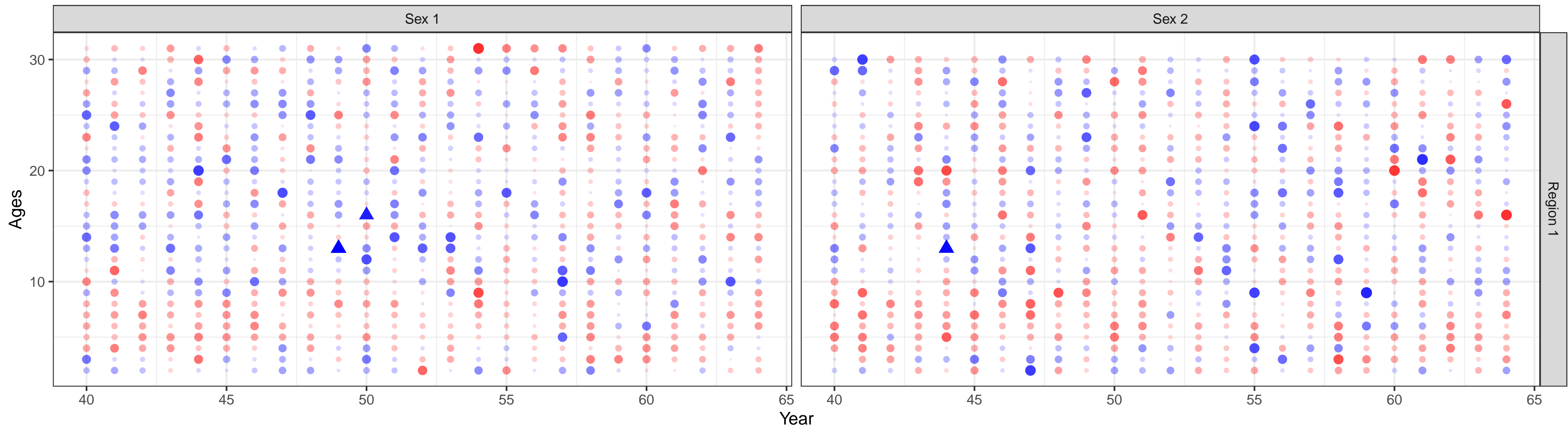
# JPN LLS Length Comps Female

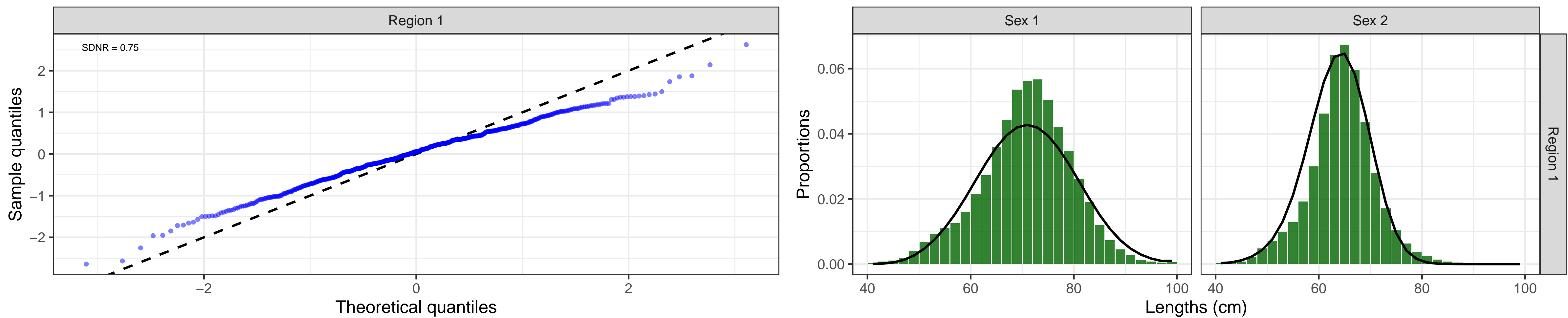
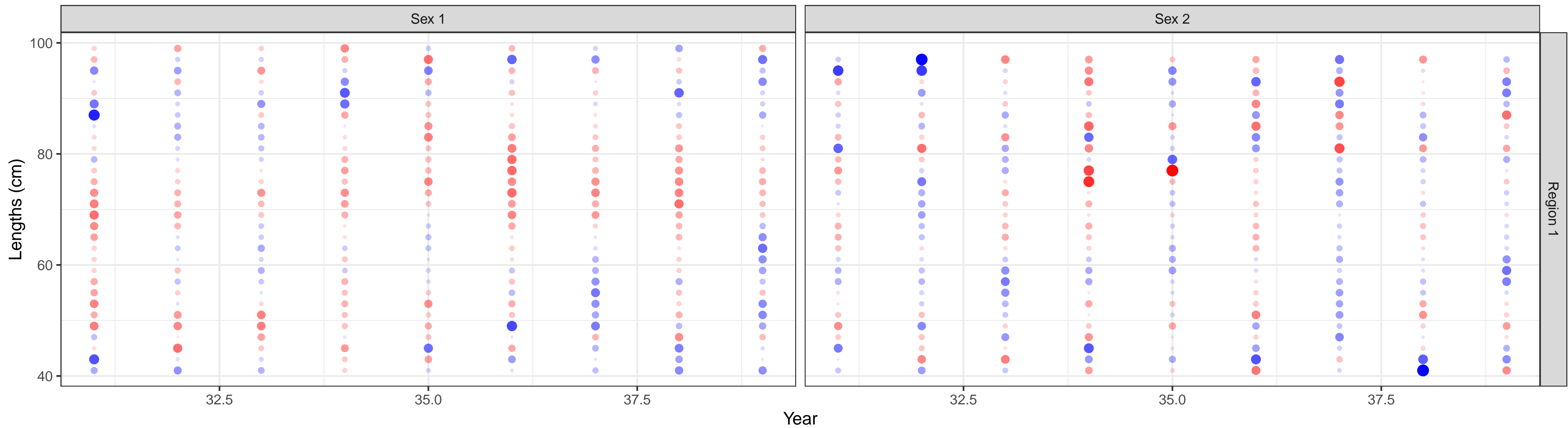


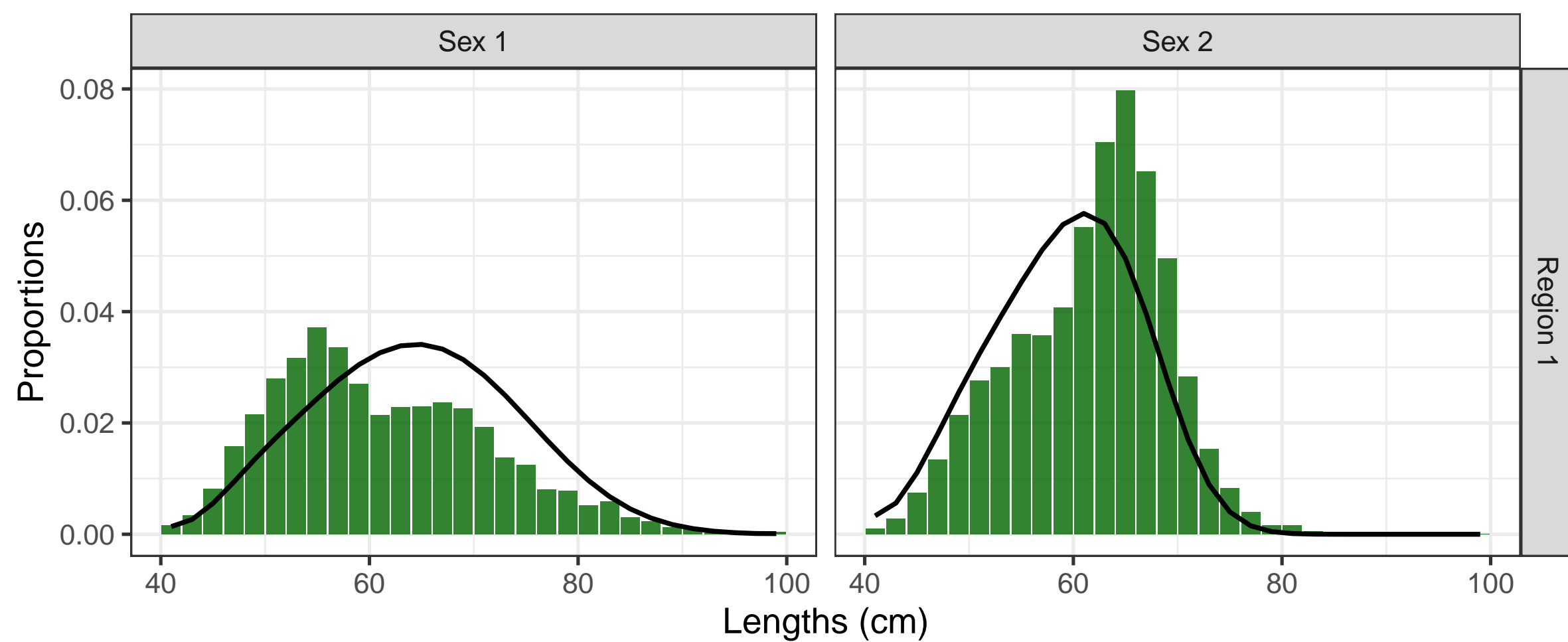
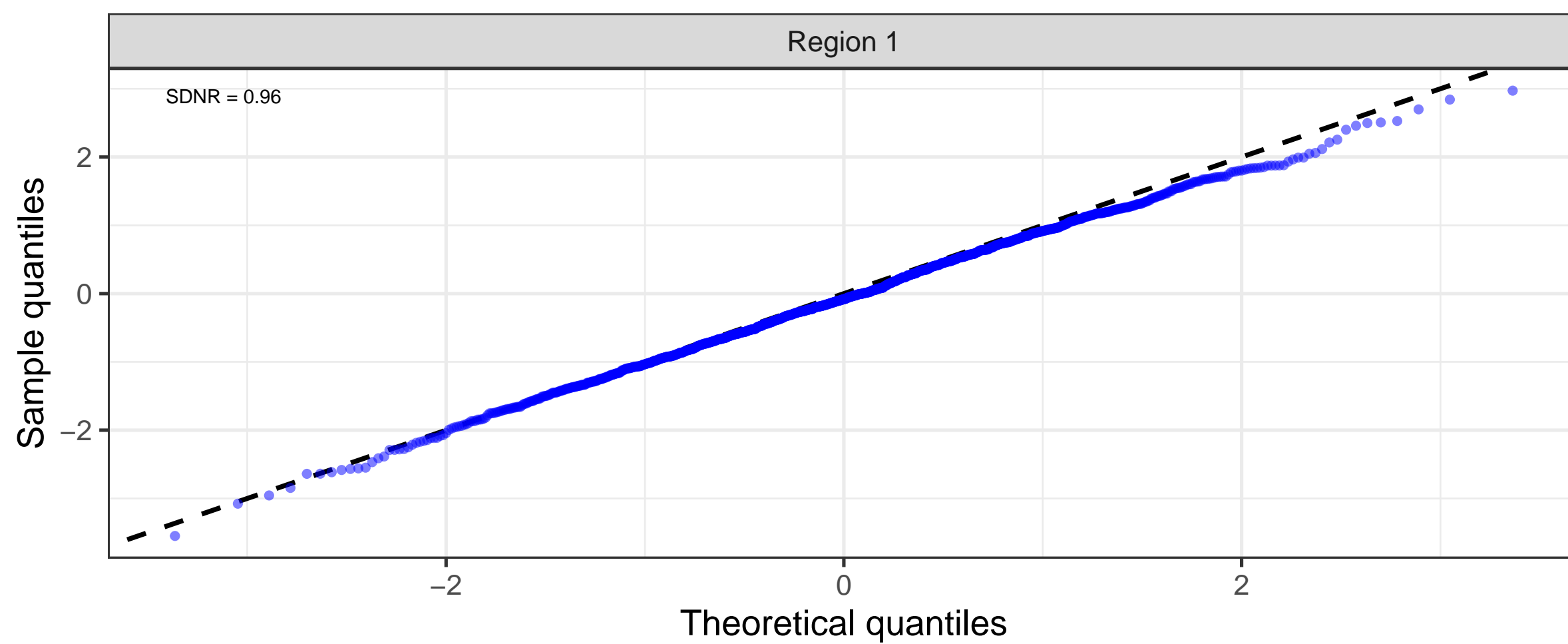
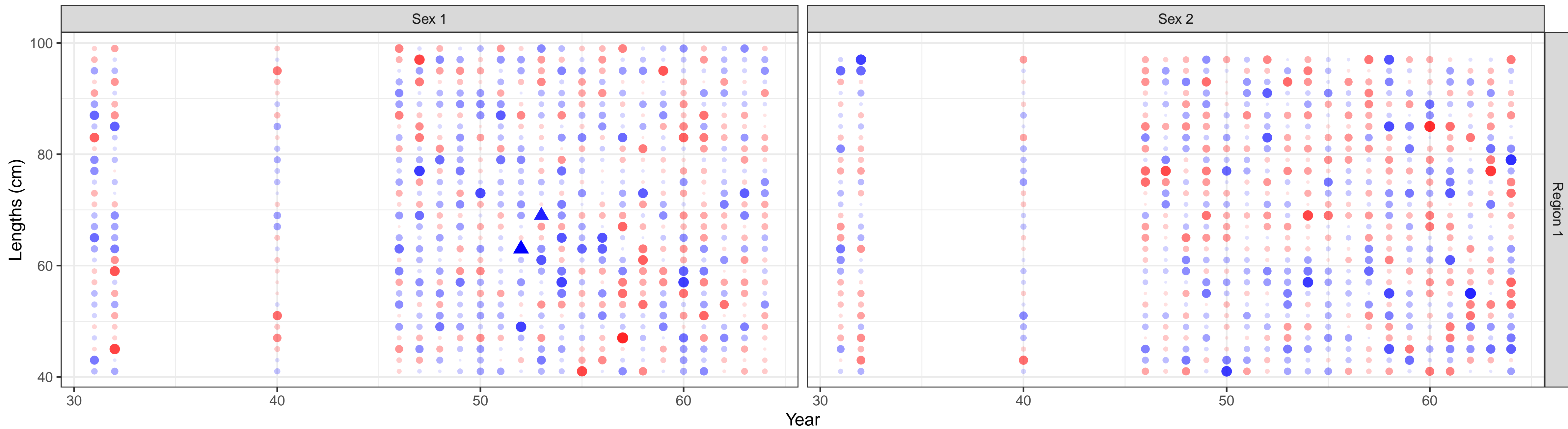
JPN LLS Length Comps Male

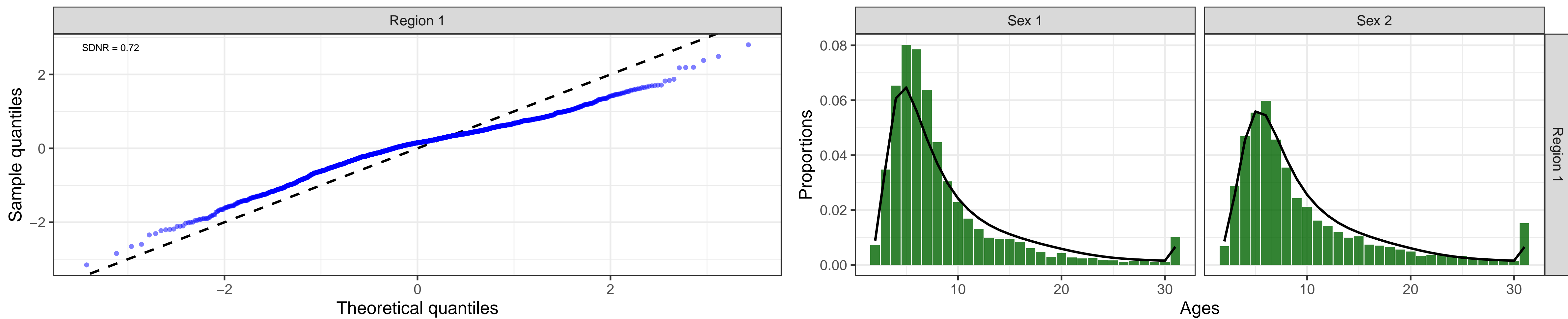
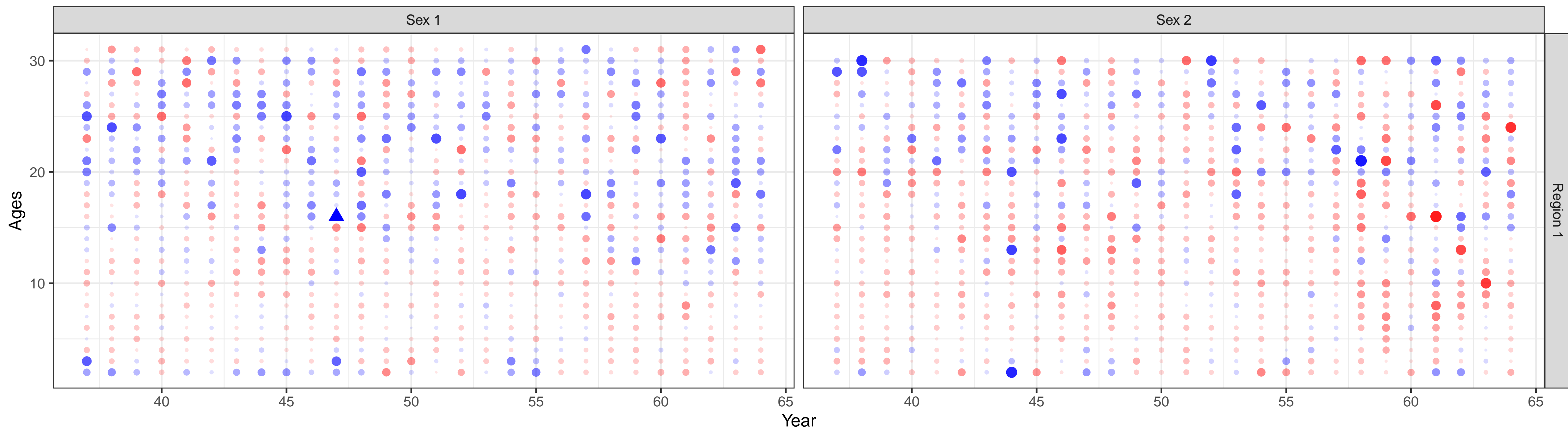


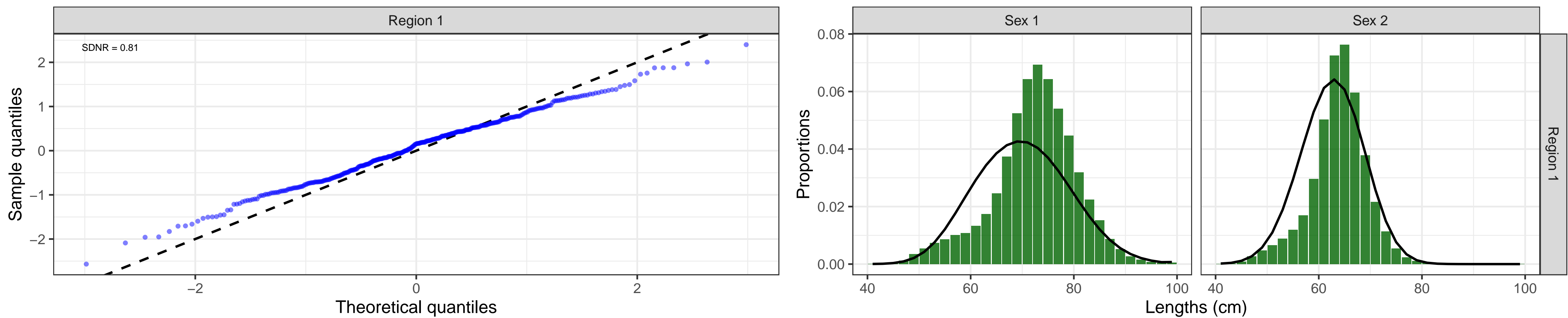
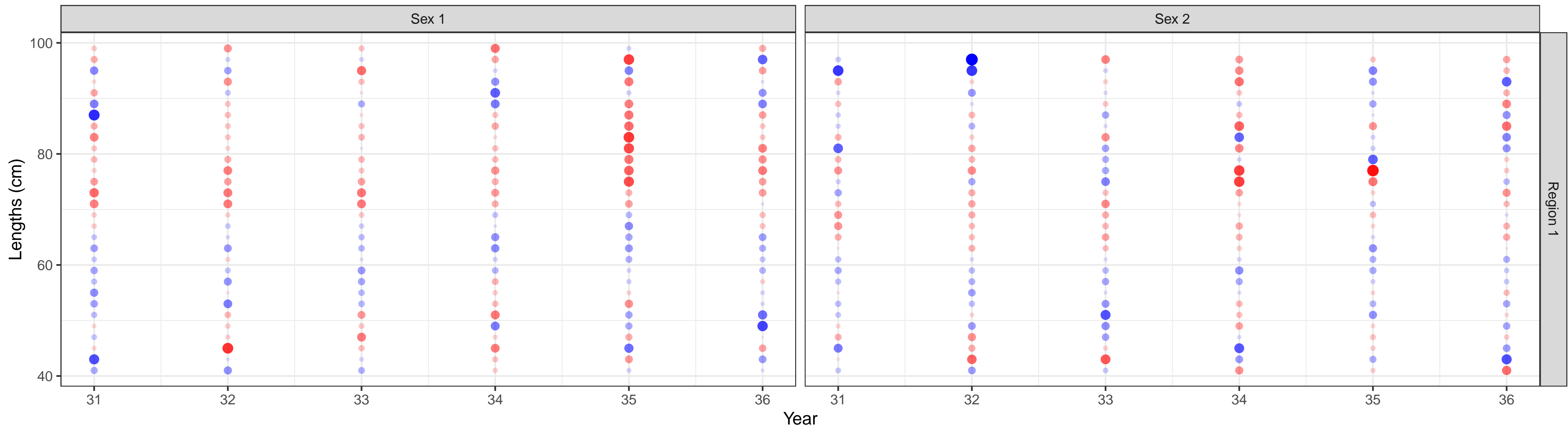


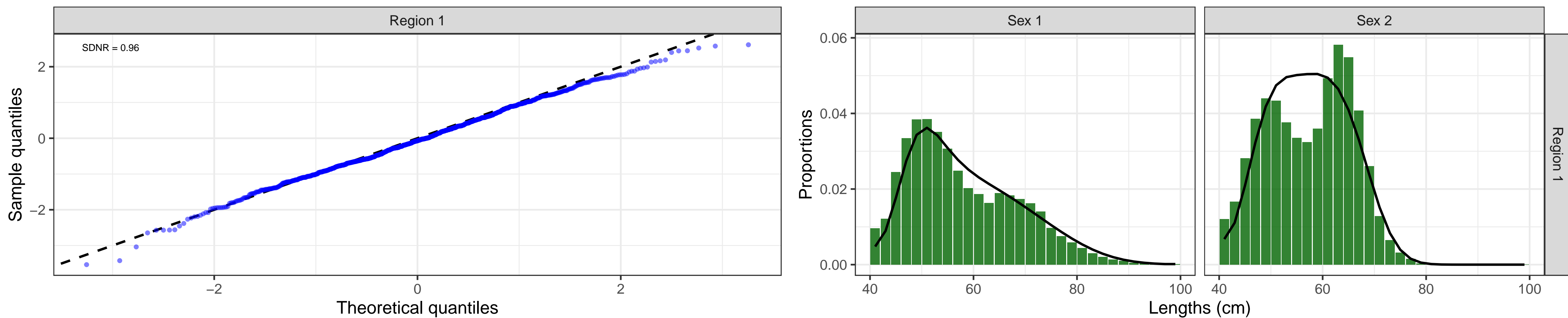
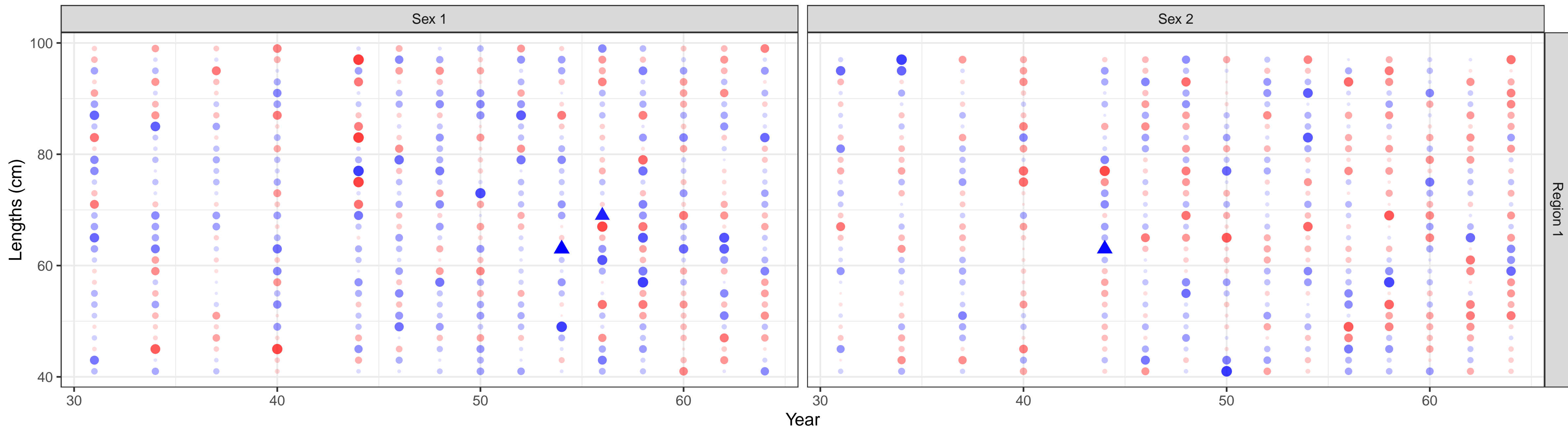




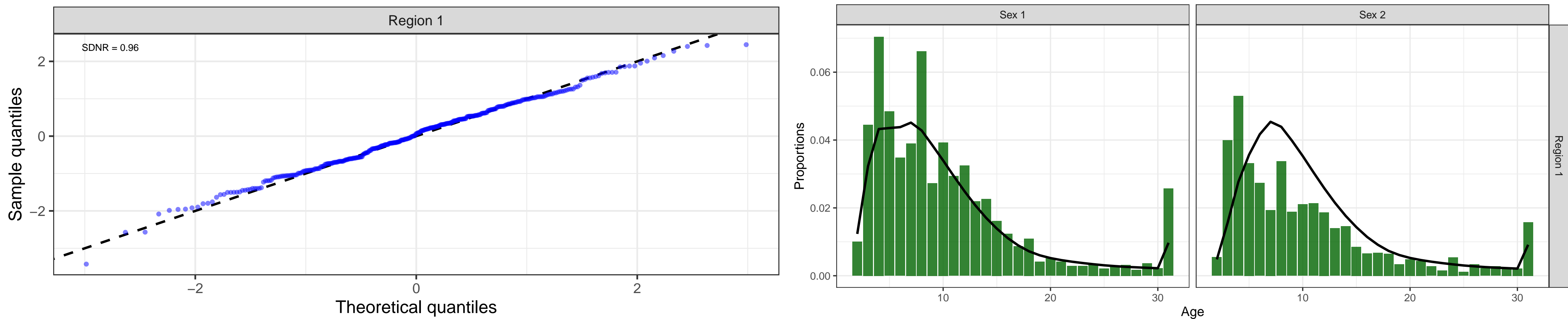
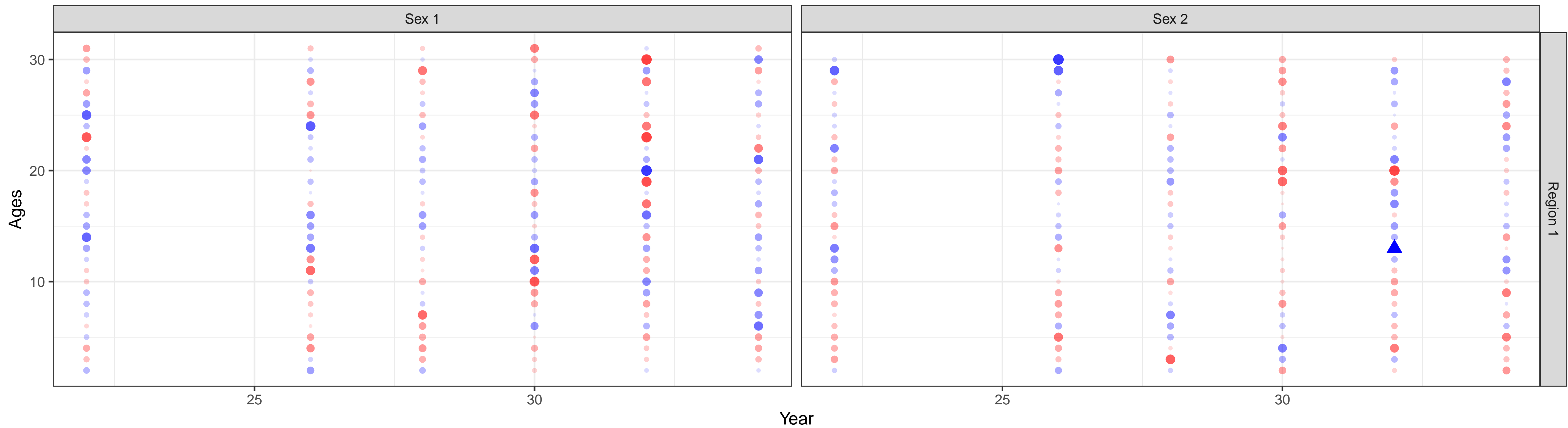


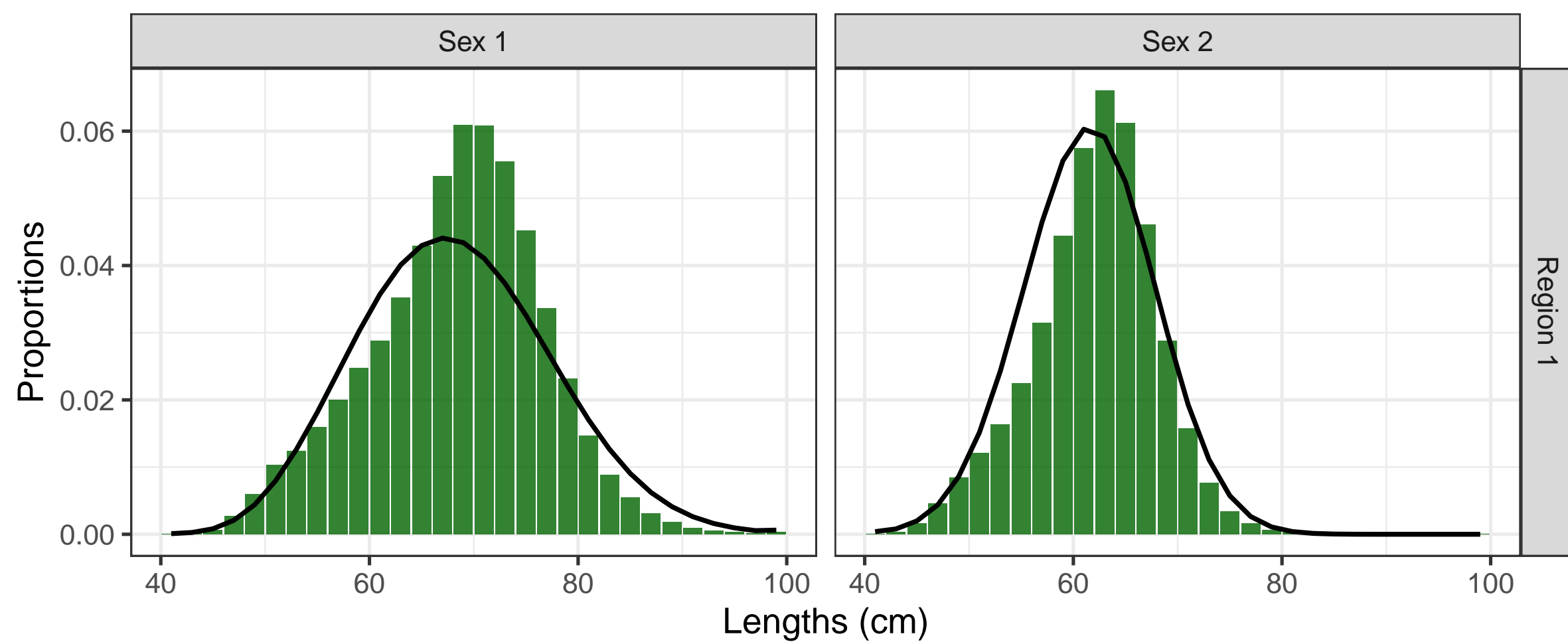
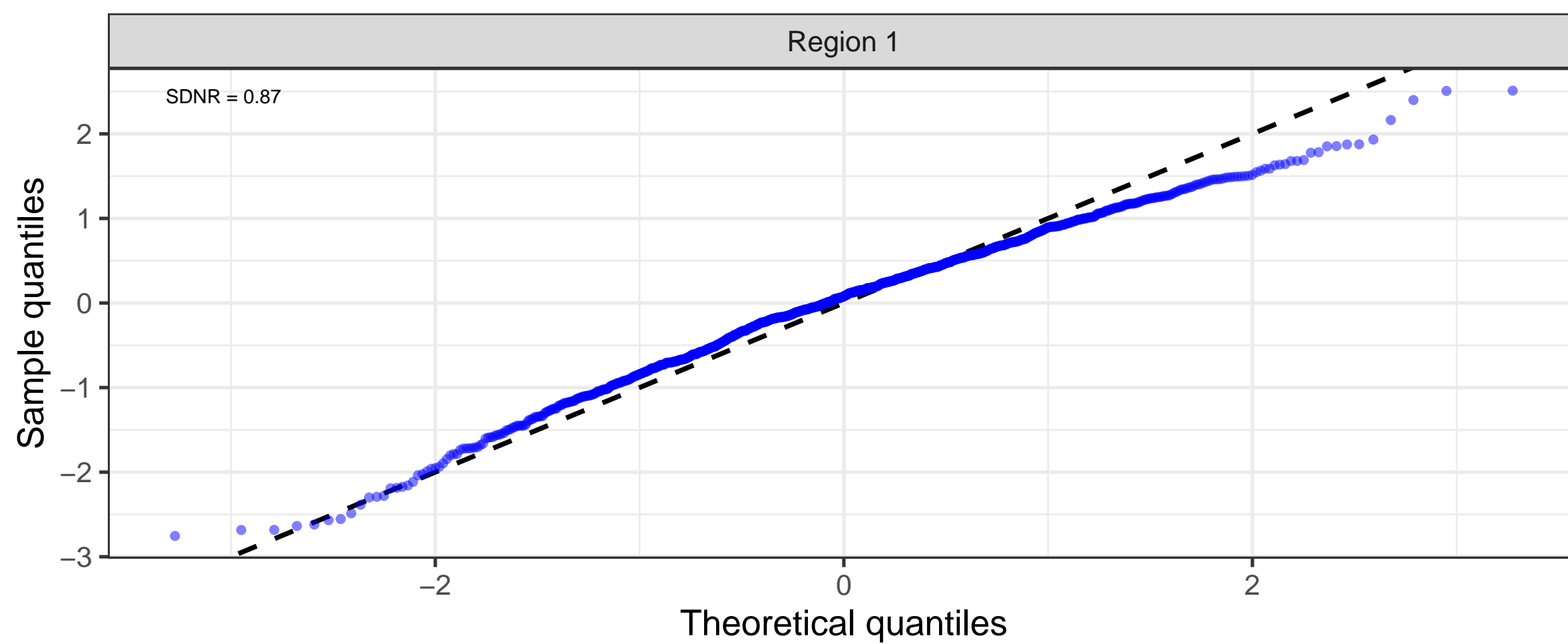
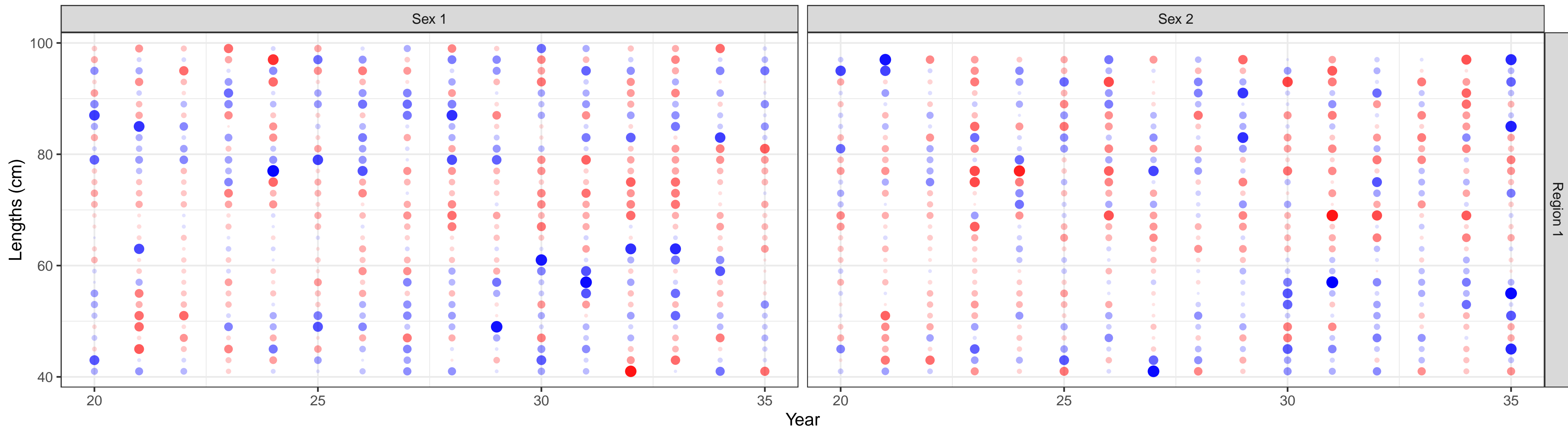




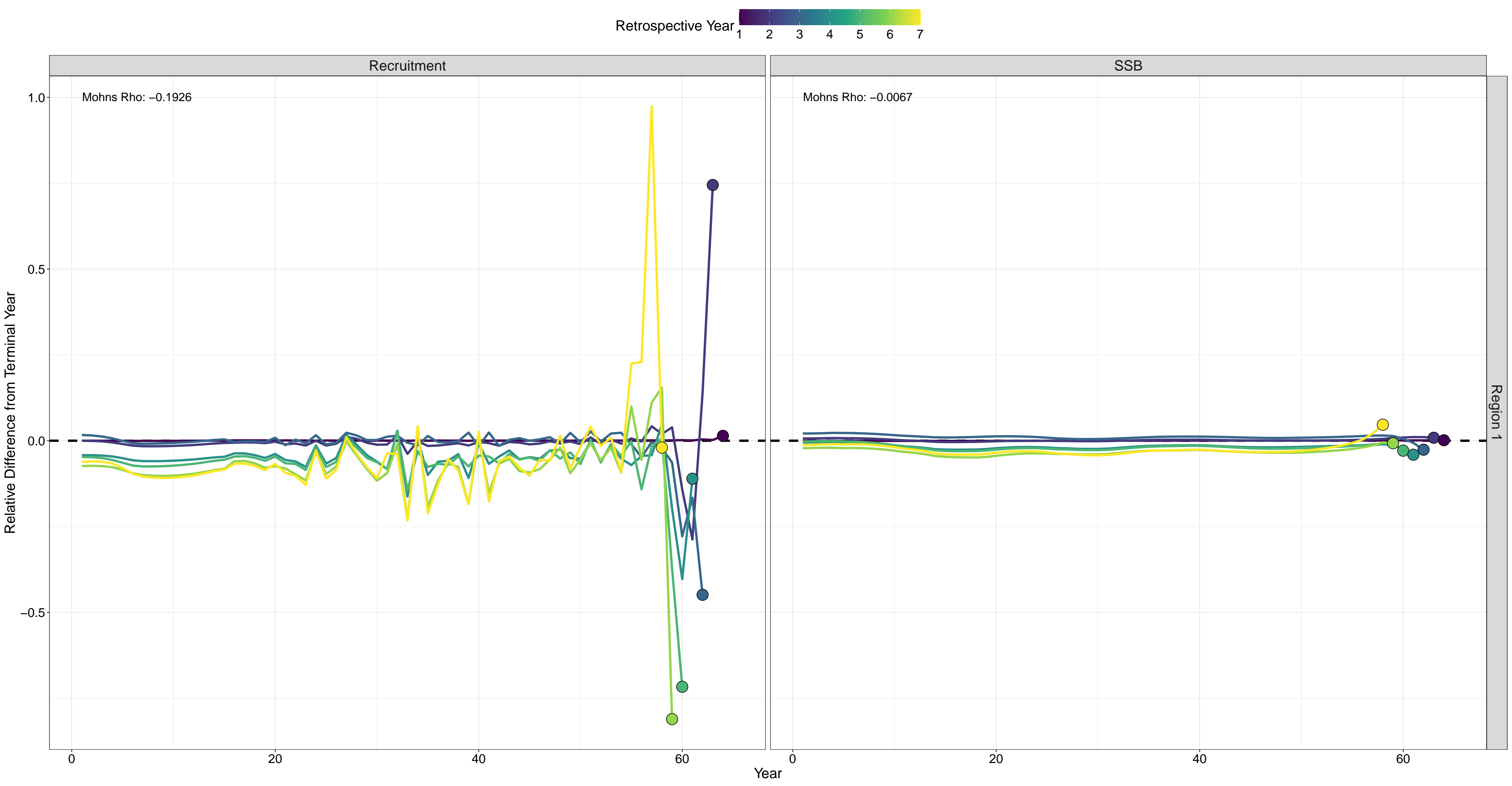


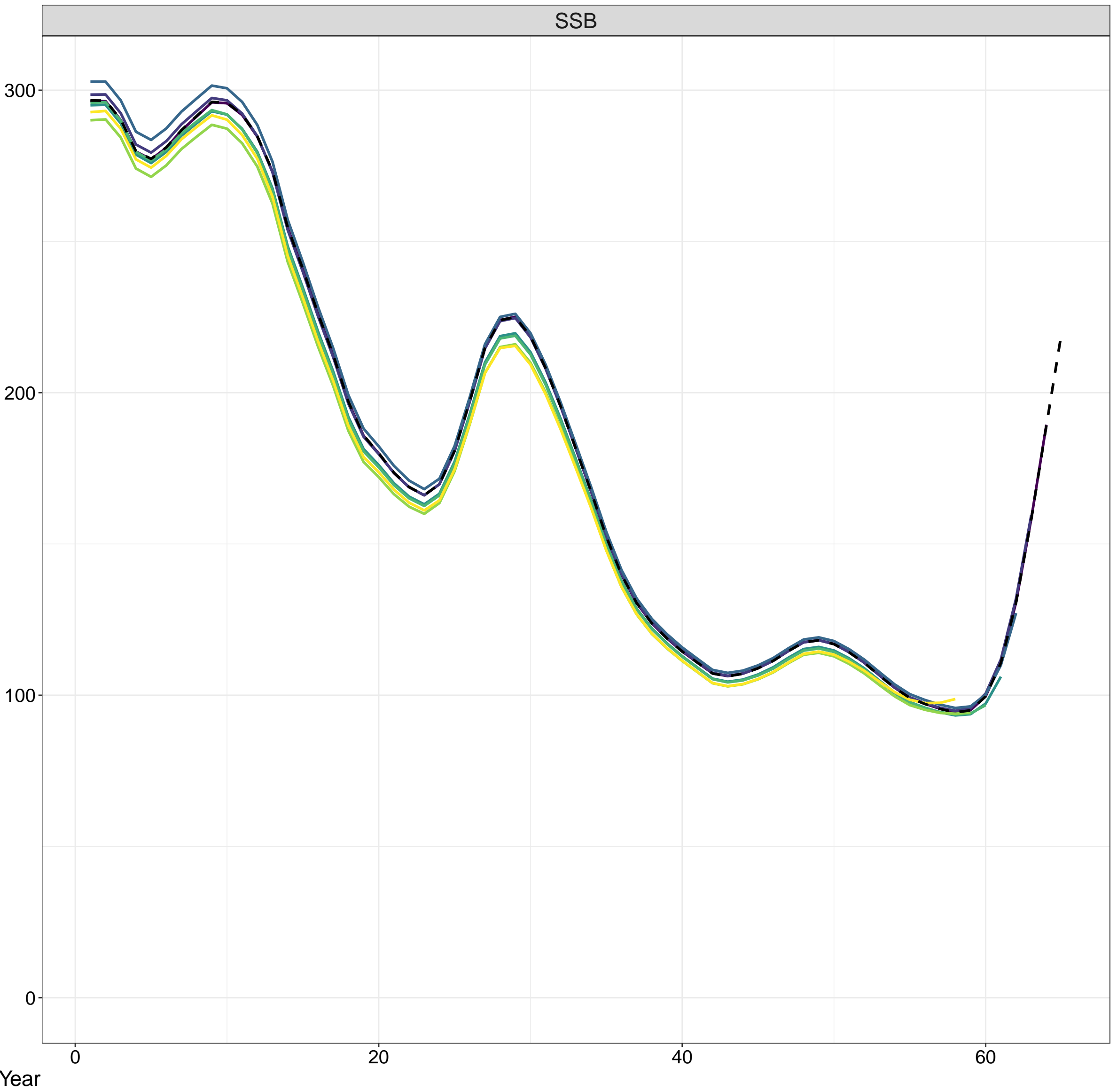
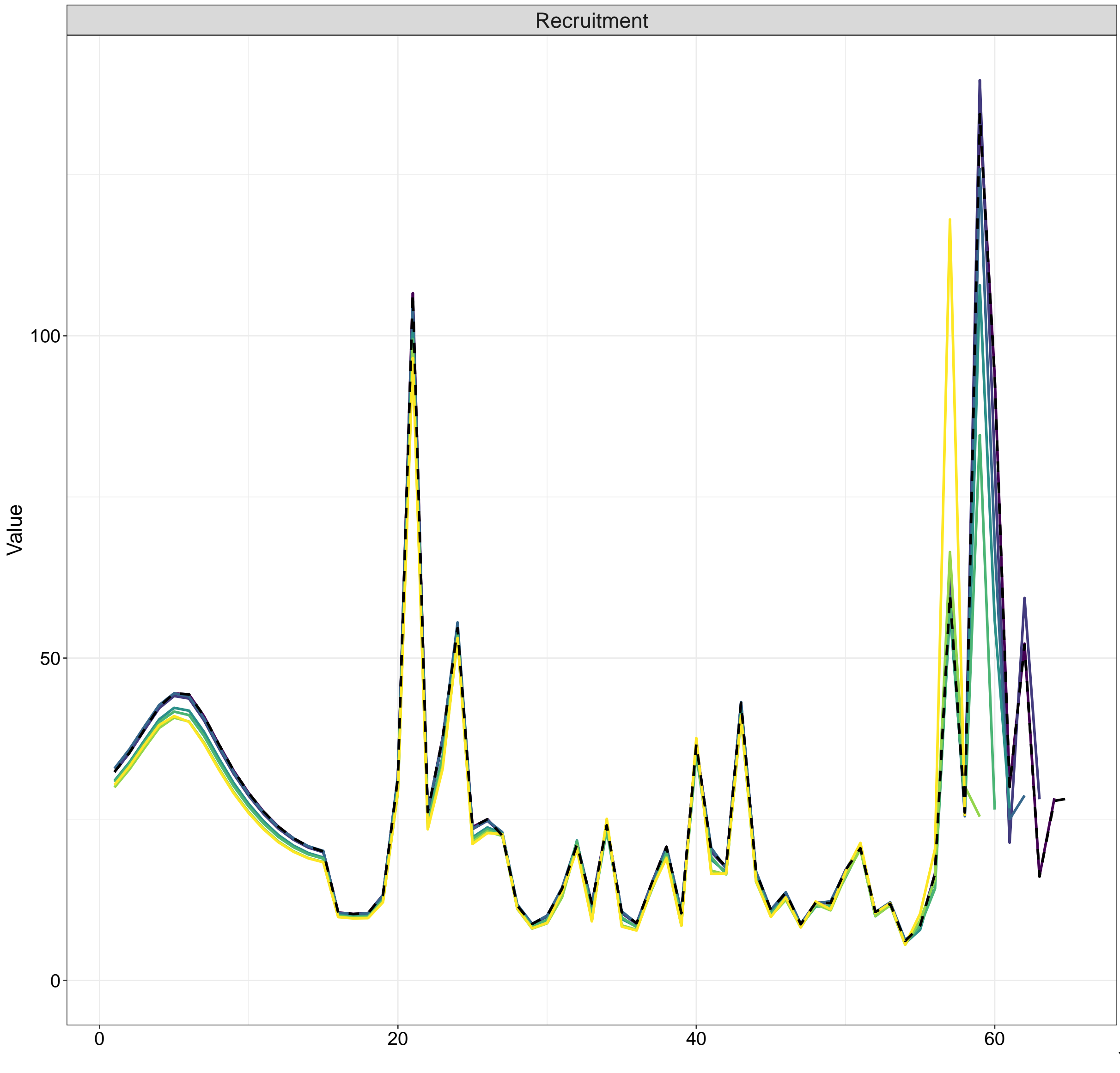


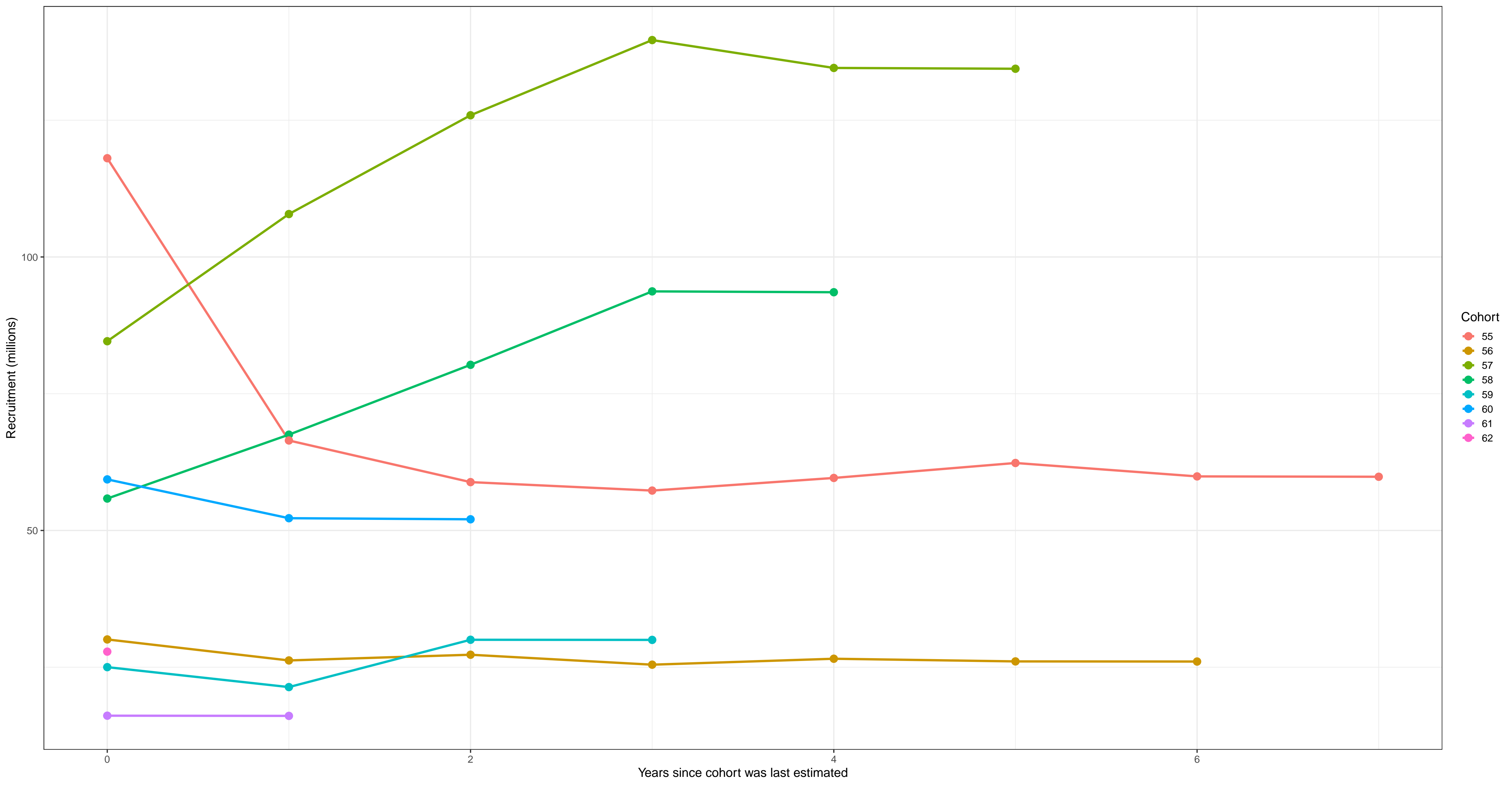




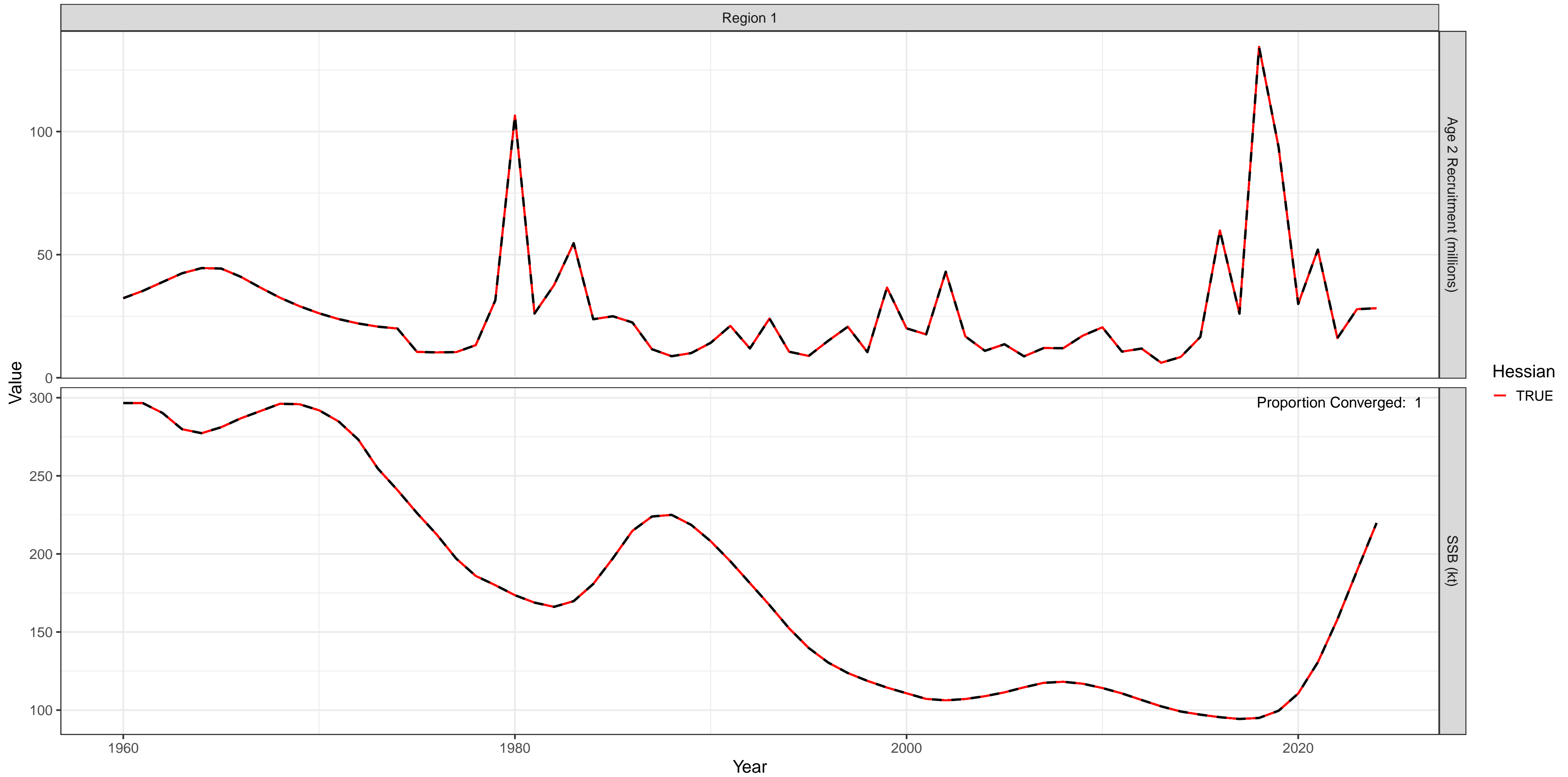




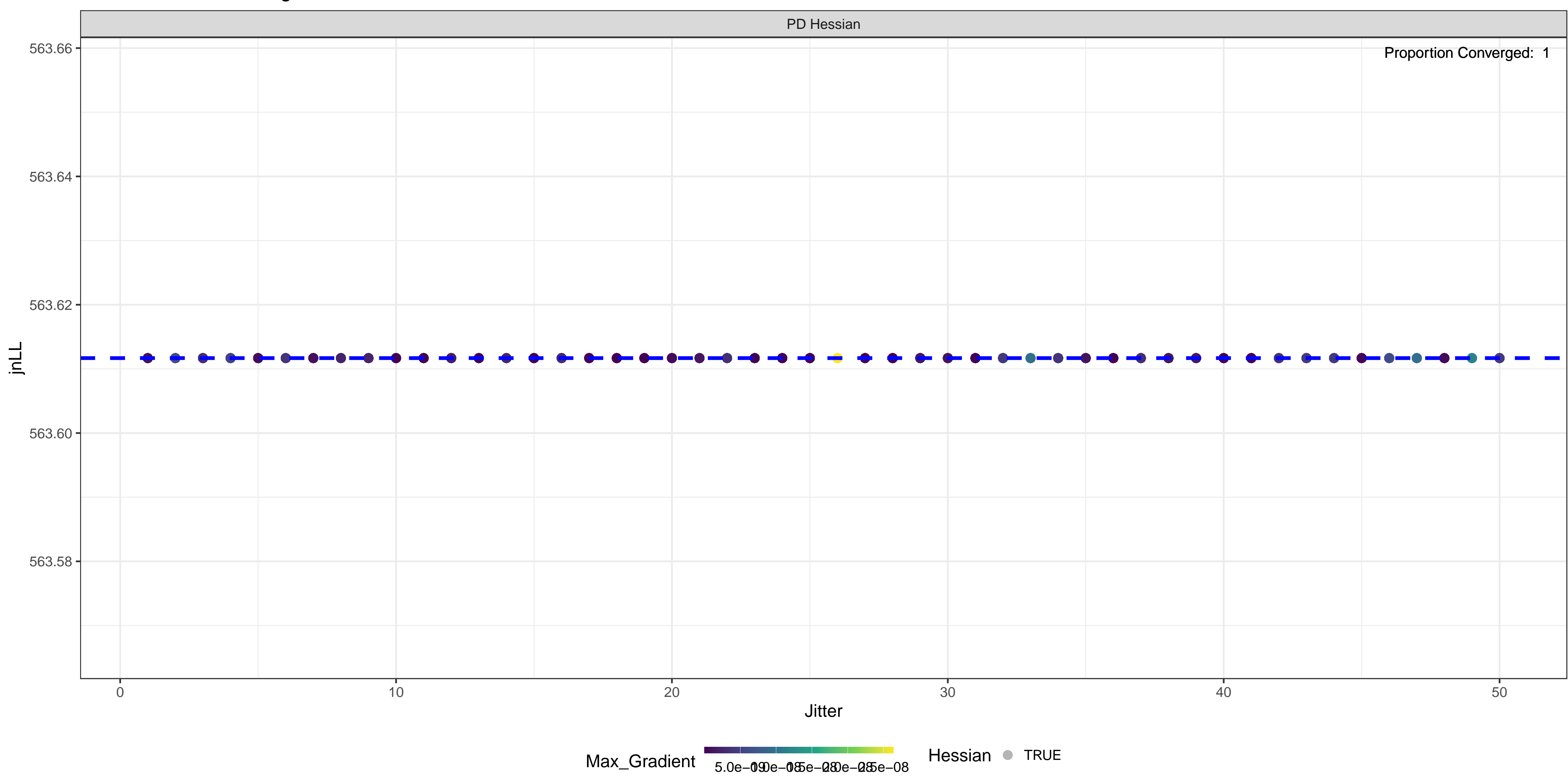




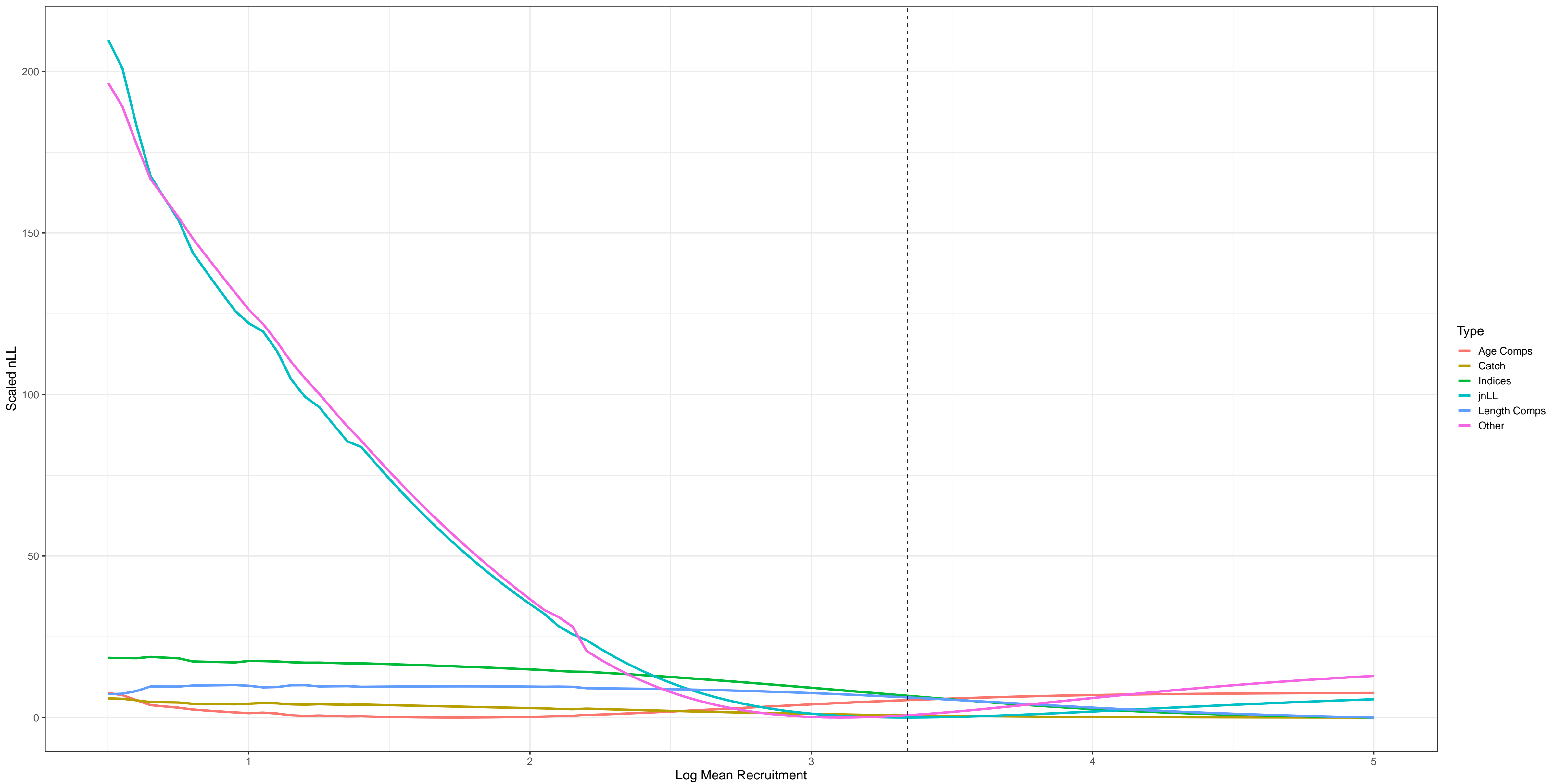
# Jitter SSB and Recruitment



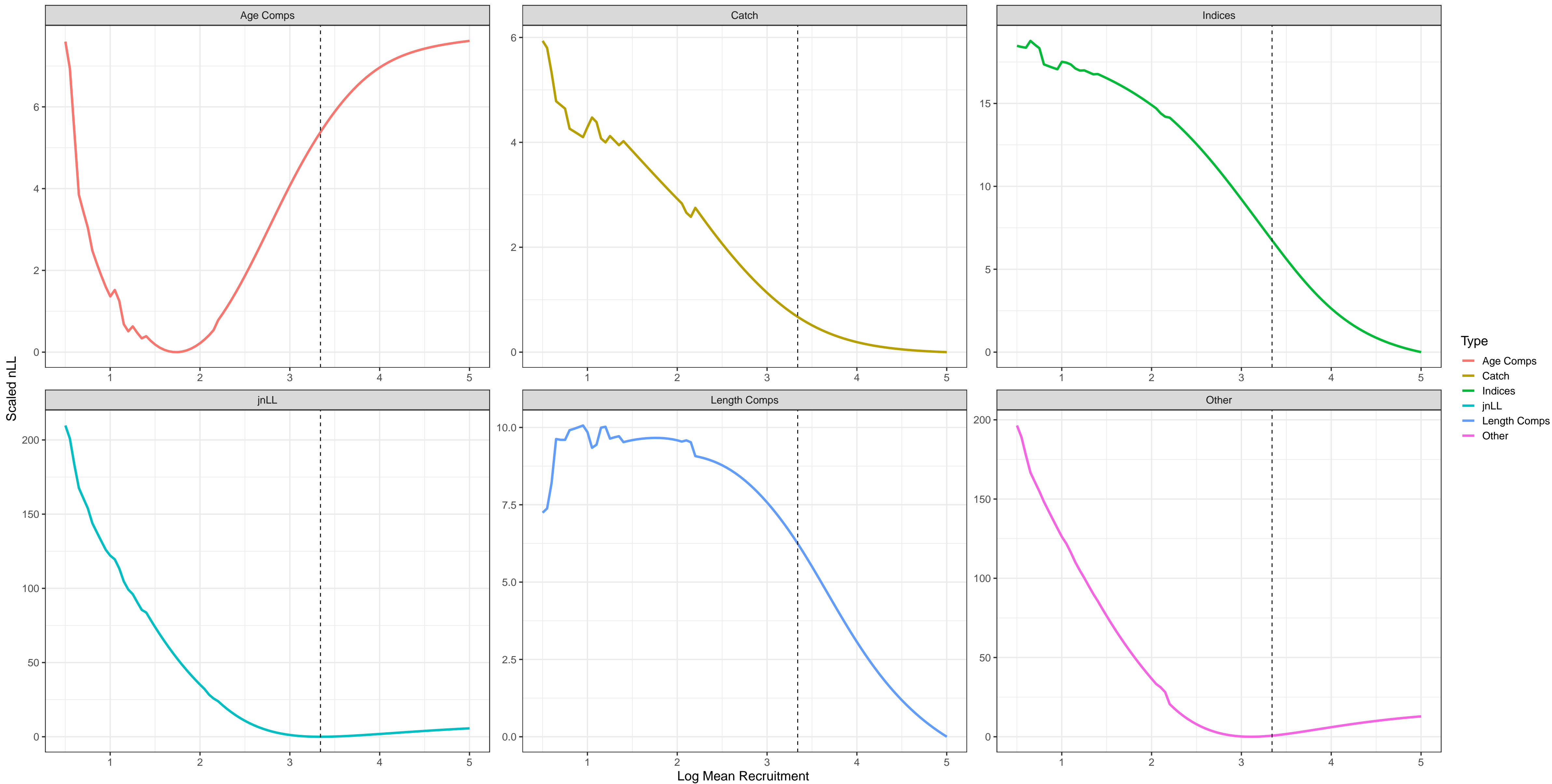
Jitter nLL and Convergence



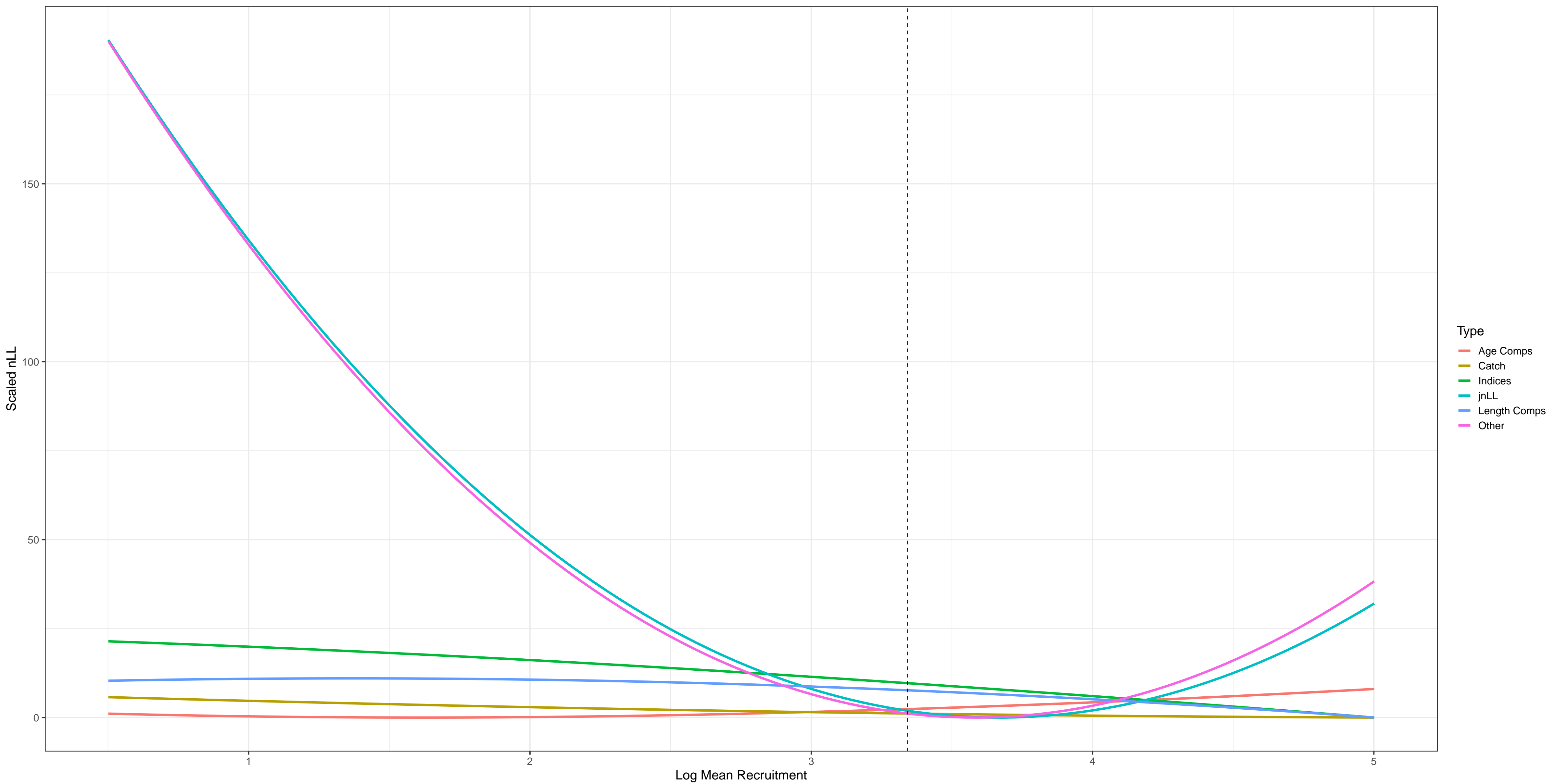
Profile Likelihood R0



Profile Likelihood R0

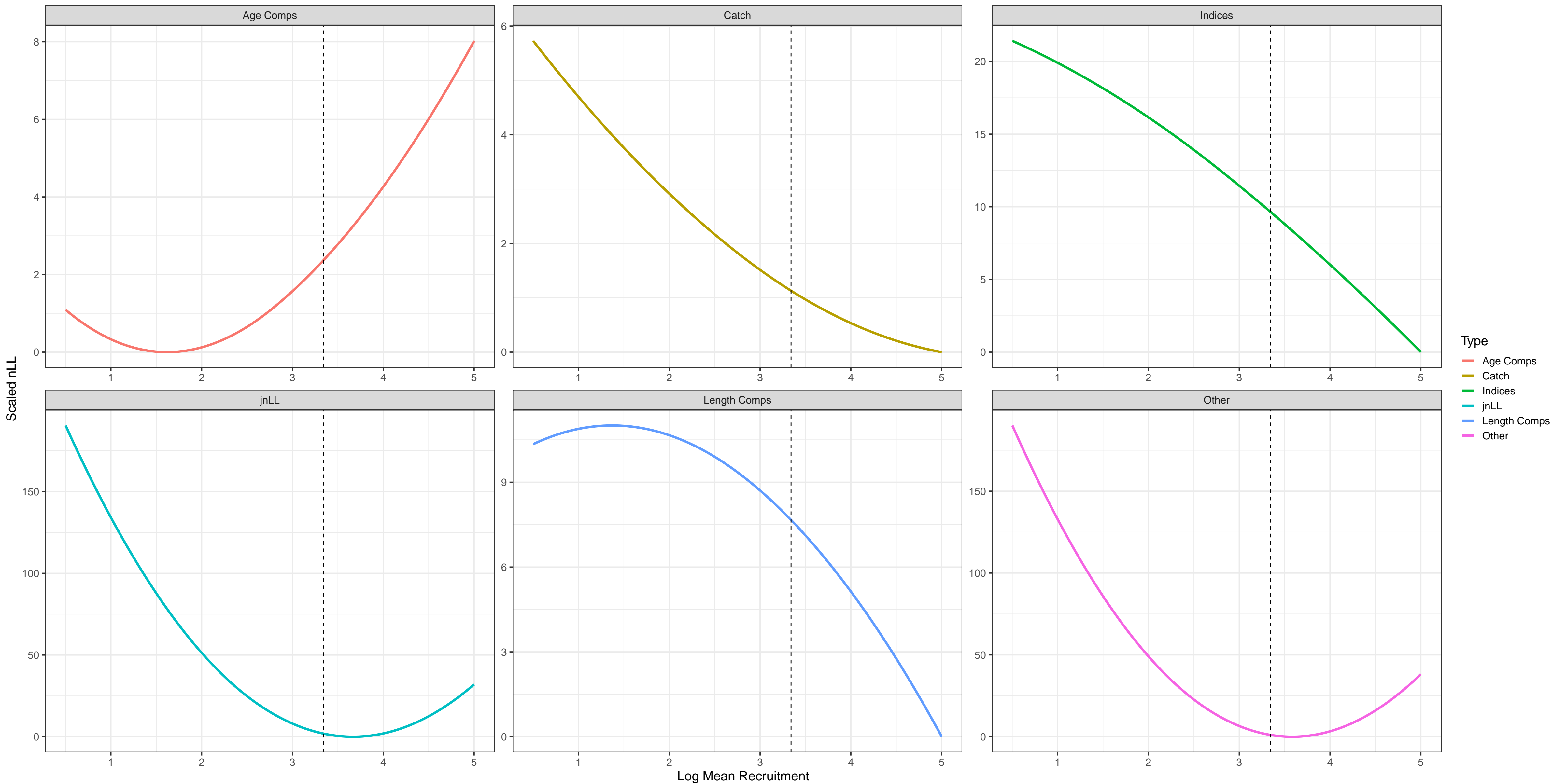


Profile Likelihood R0

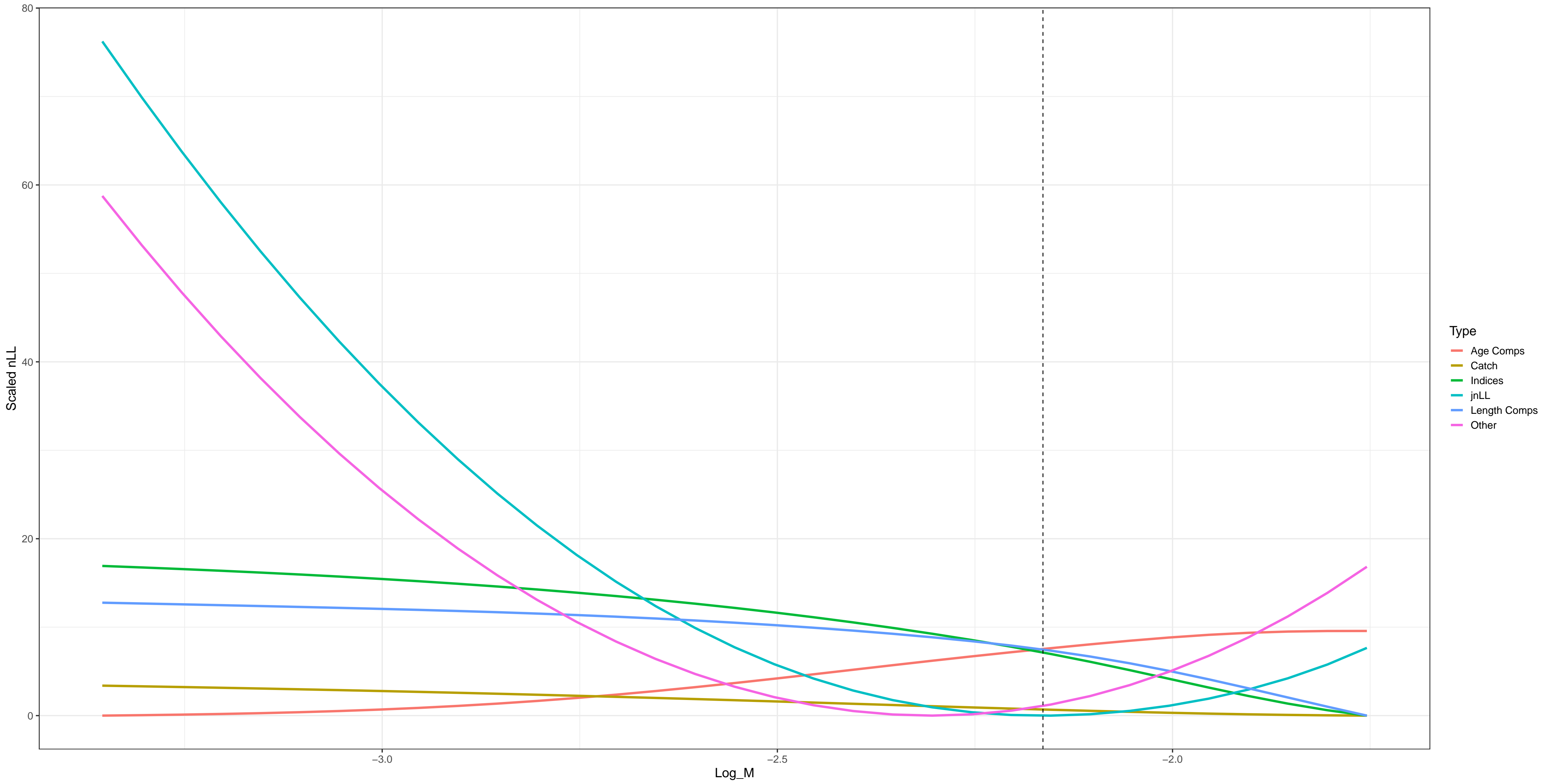




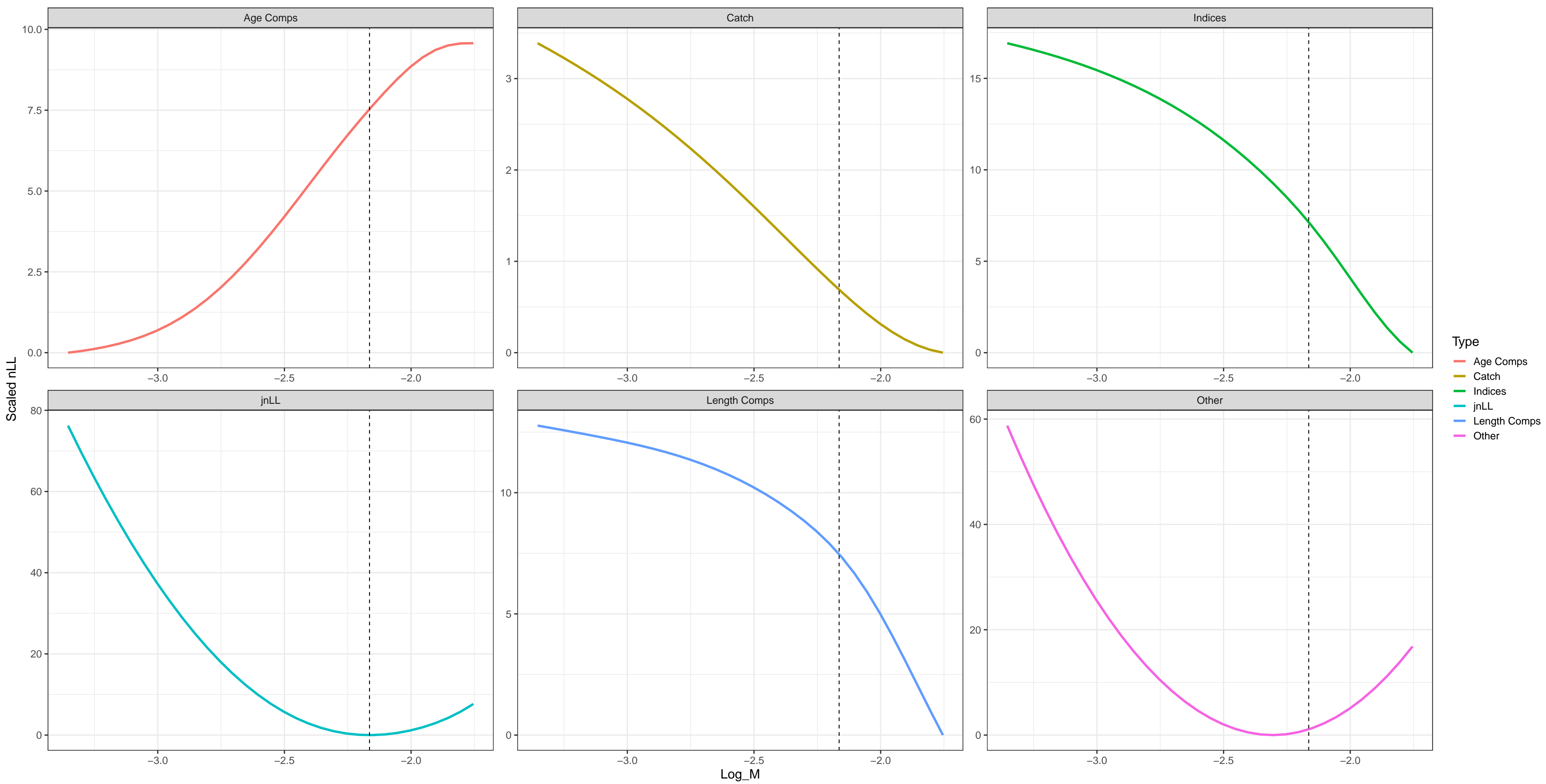
Profile Likelihood R0



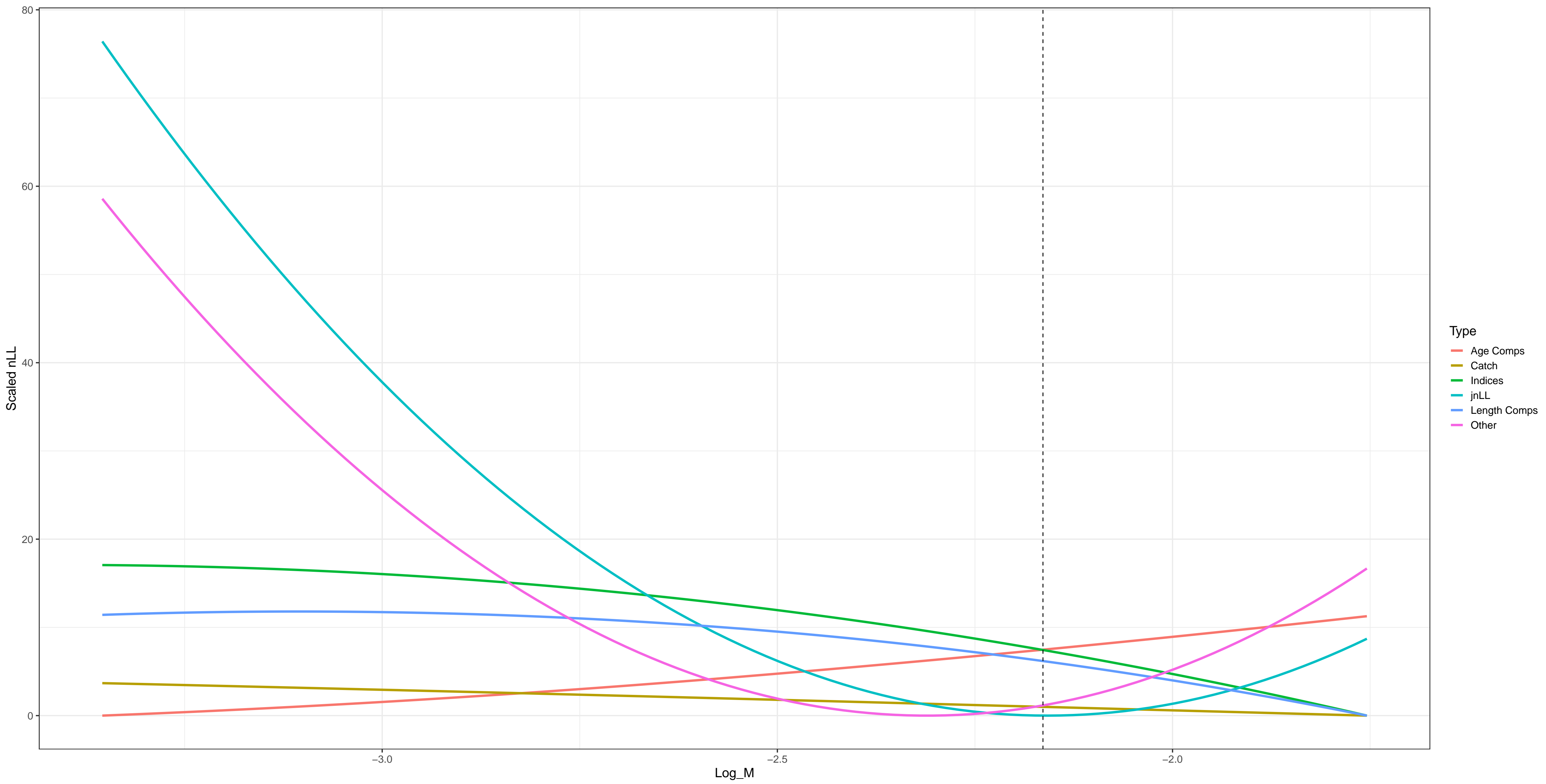
Profile Likelihood M



Profile Likelihood M



Profile Likelihood M



Profile Likelihood M

