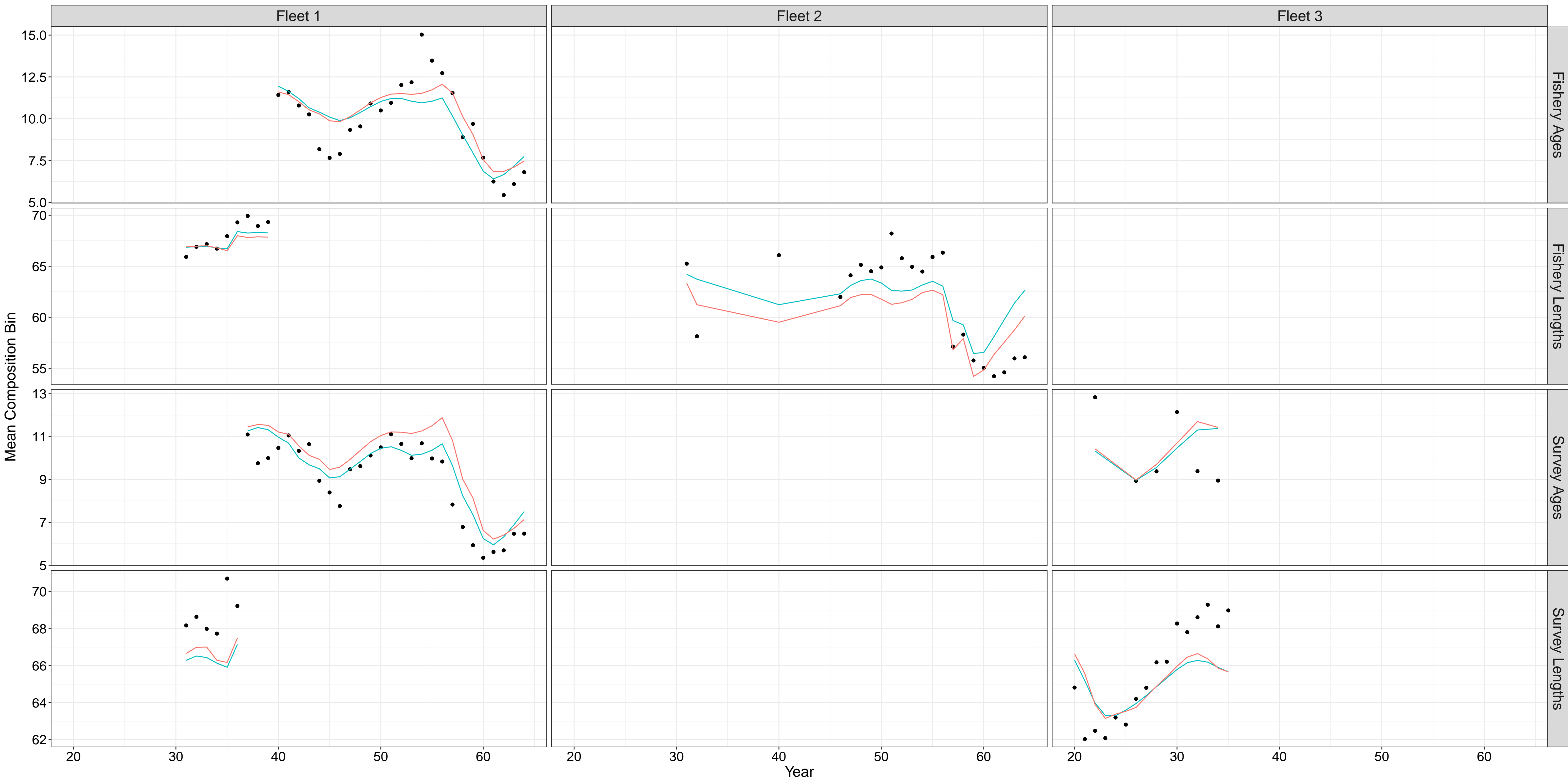
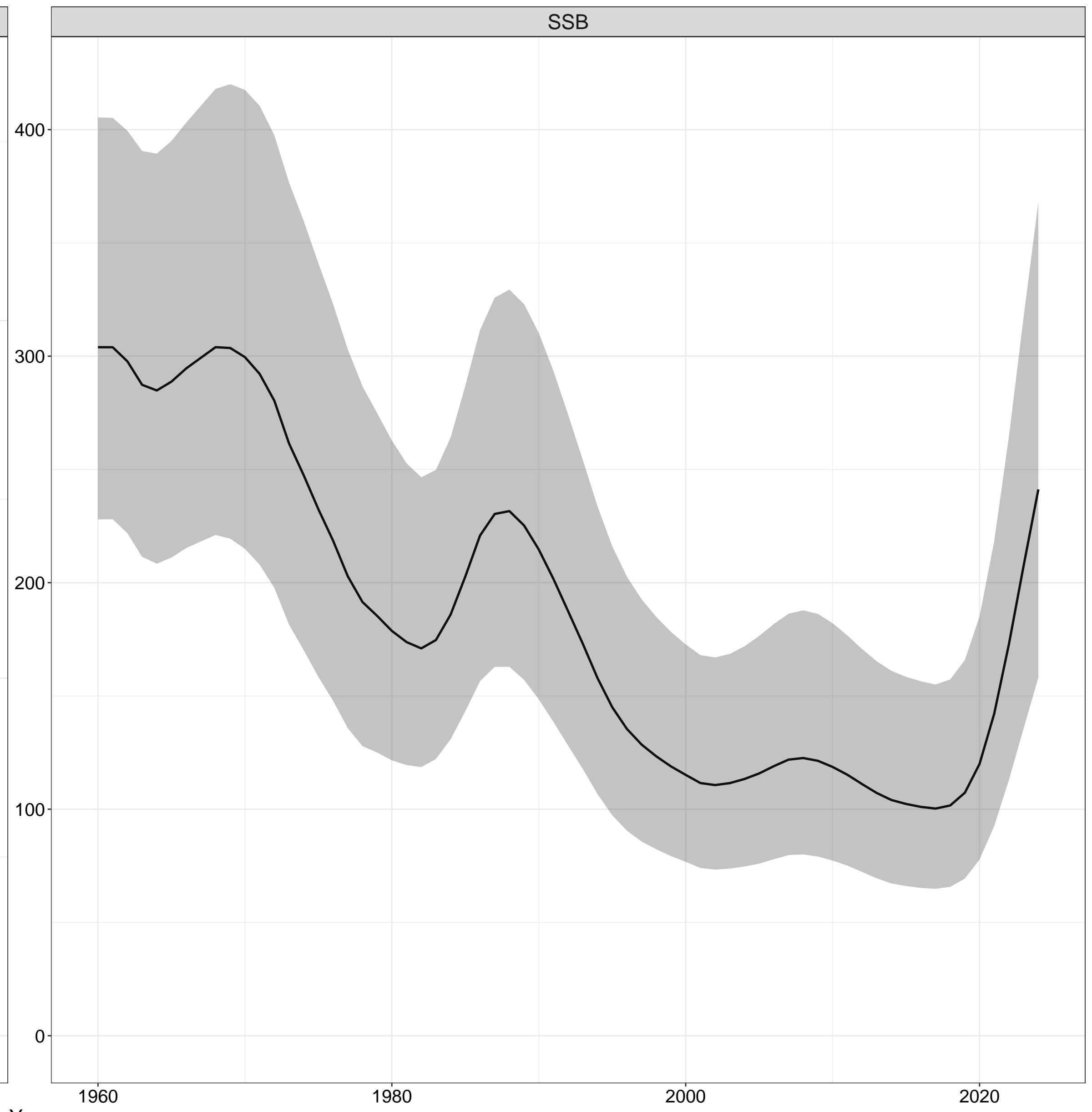
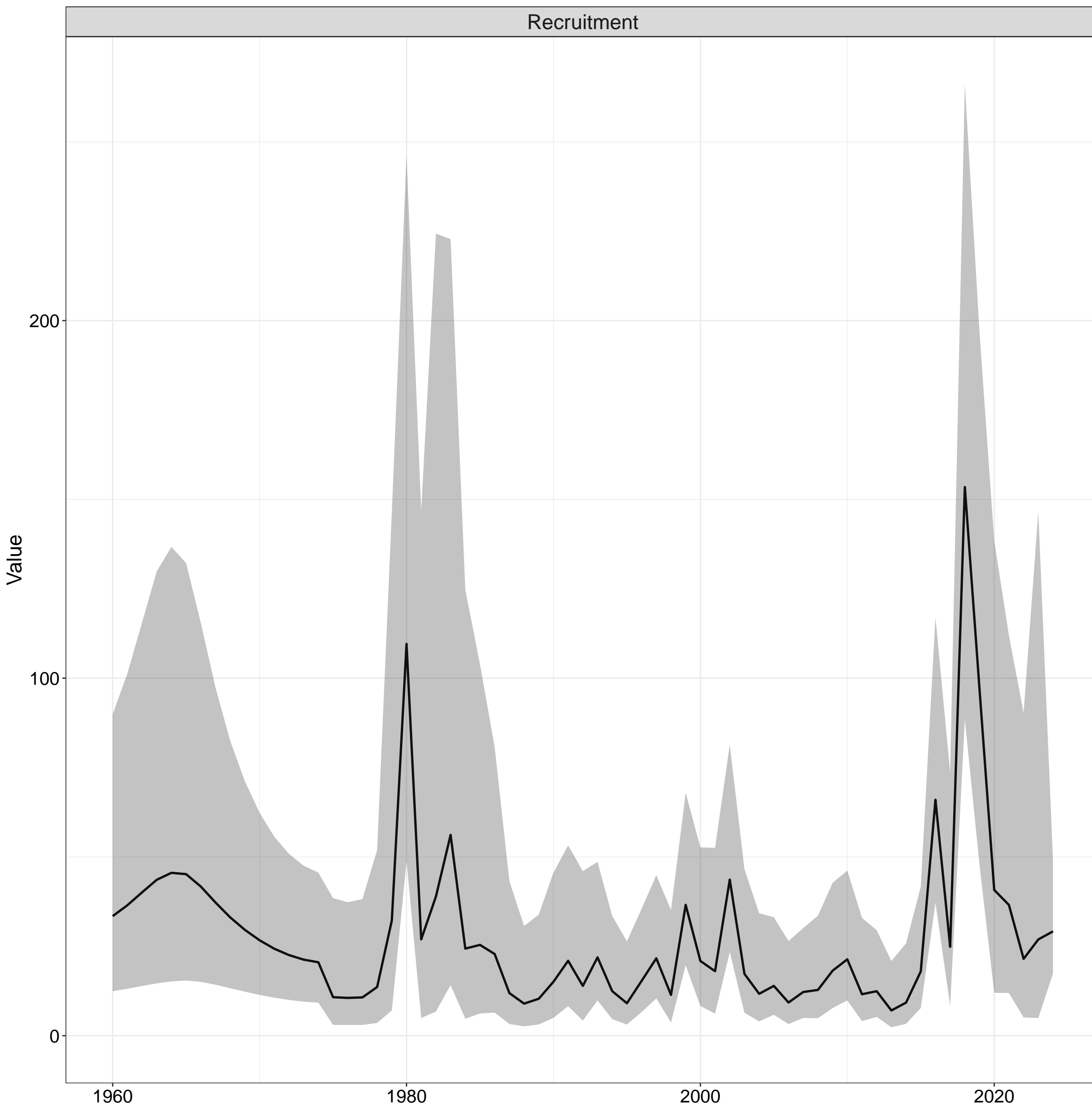


	Comp_Type	Init_Weight	Final_Weight
1	LLF_Age_F	0.8261073	0.8061344
2	LLF_Age_M	NA	NA
3	LLS_Age_F	3.7922454	3.4208837
4	LLS_Age_M	NA	NA
5	JPN_LLS_Age_F	1.3168111	0.5535322
6	JPN_LLS_Age_M	NA	NA
7	LLF_Len_F	4.1837057	5.8631452
8	LLF_Len_M	4.2696935	NA
9	TF_Len_F	0.3164859	0.2799243
10	TF_Len_M	0.2293966	NA
11	LLS_Len_F	1.4379202	2.5423446
12	LLS_Len_M	1.0705376	NA
13	JPN_LLS_Len_F	1.2777281	1.0934498
14	JPN_LLS_Len_M	0.8575195	NA

colour — First Iter — Last Iter



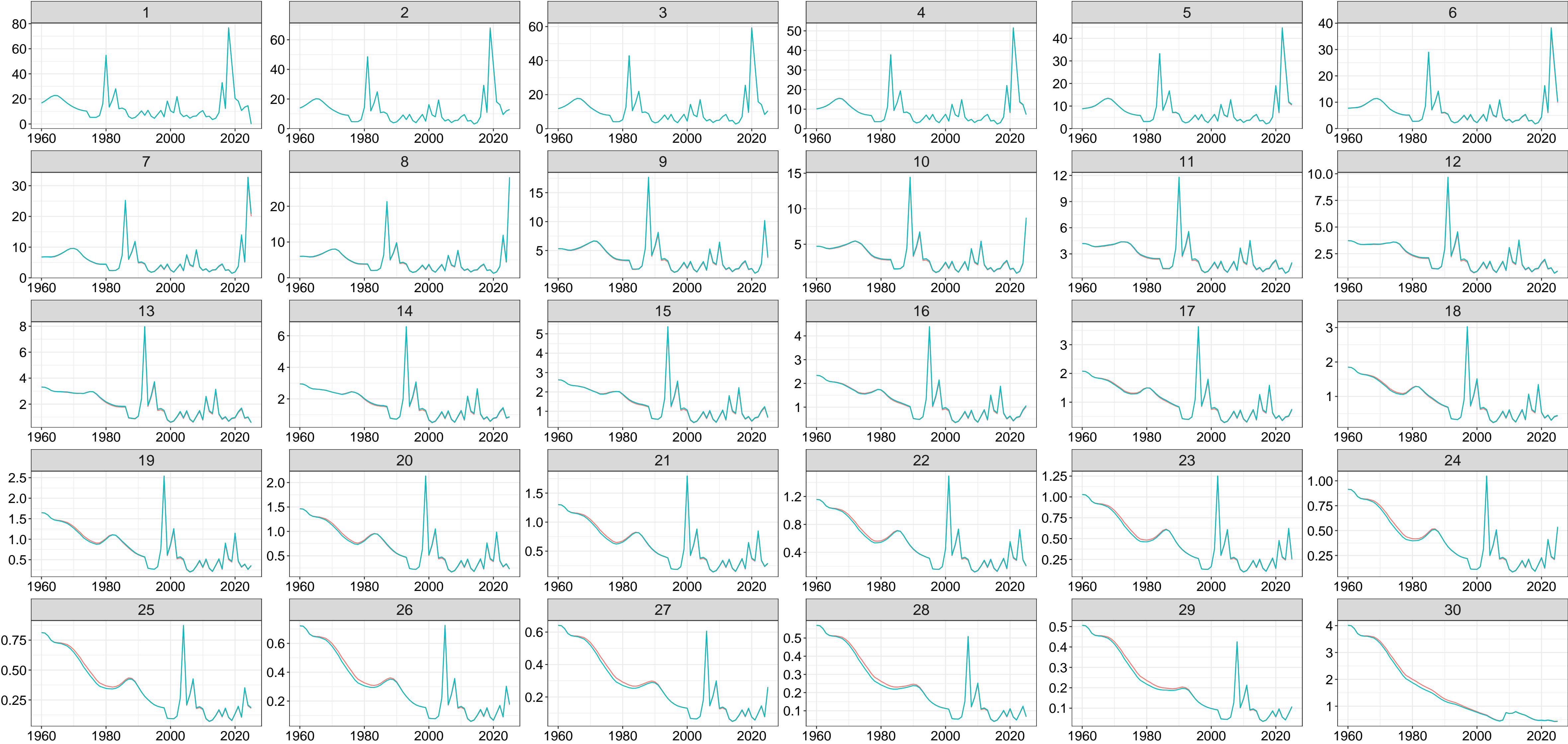
	Model	Region	Terminal_SSB	Terminal_F	Catch_Advice	B_Ref_Pt	F_Ref_Pt	B_over_B_Ref	F_over_F_Ref
1	1	1	241.1688	0.0388067535893577	53.56695	129.47988	0.09093	1.8626	0.42678



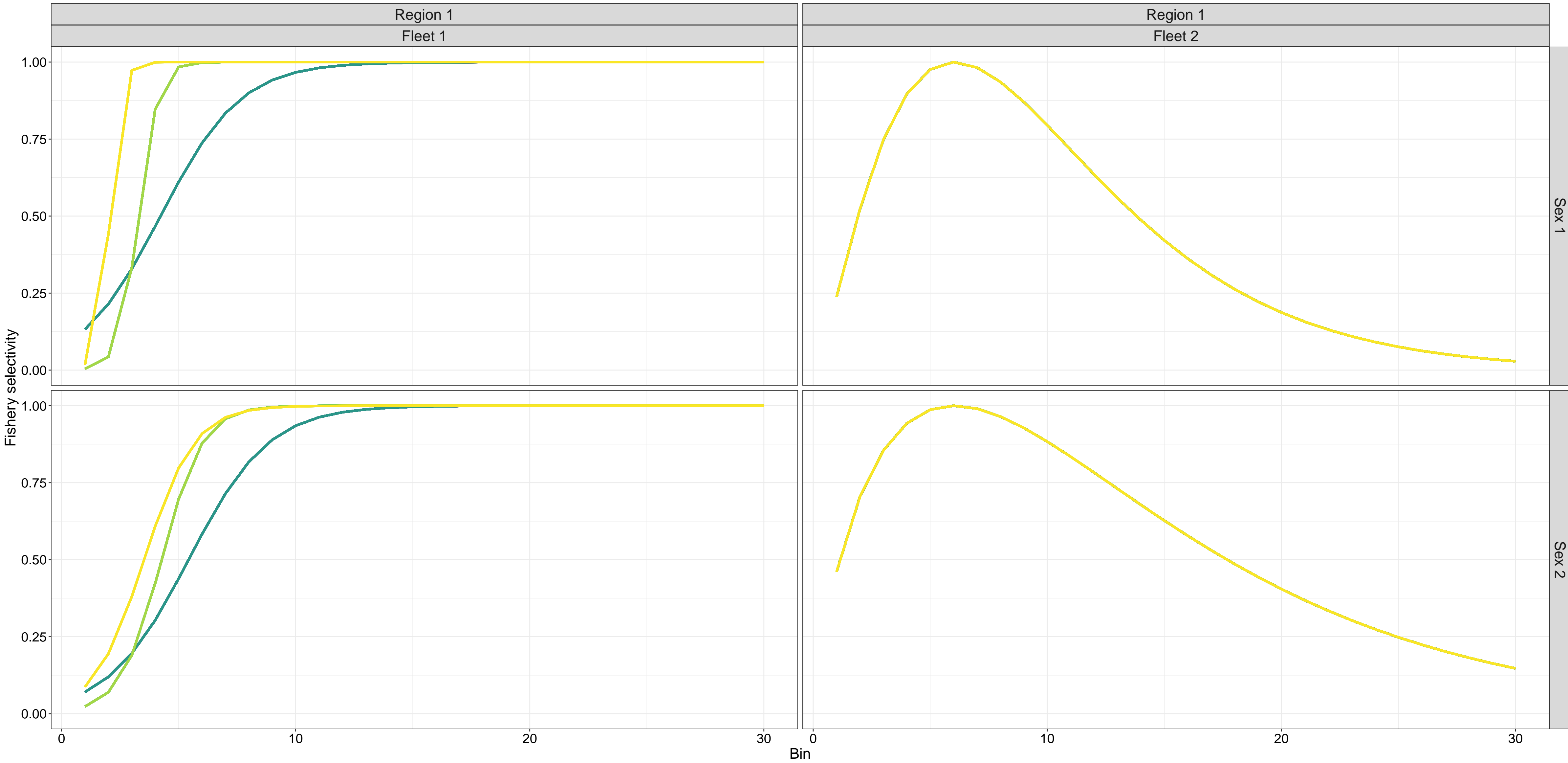
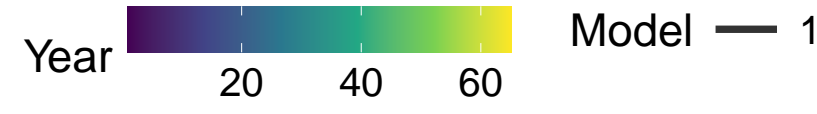
Numbers-at-Age

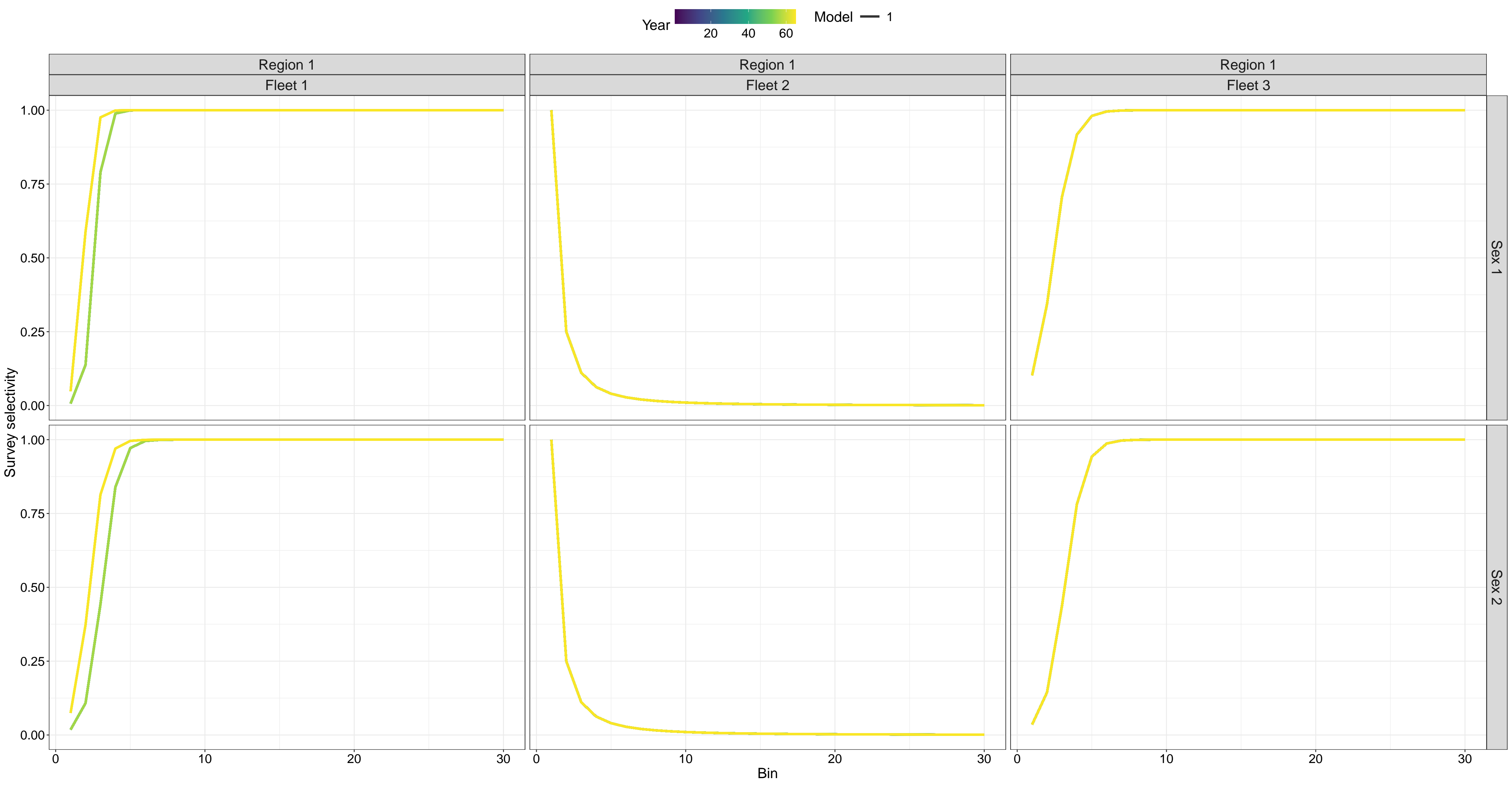
Sex — Female — Male

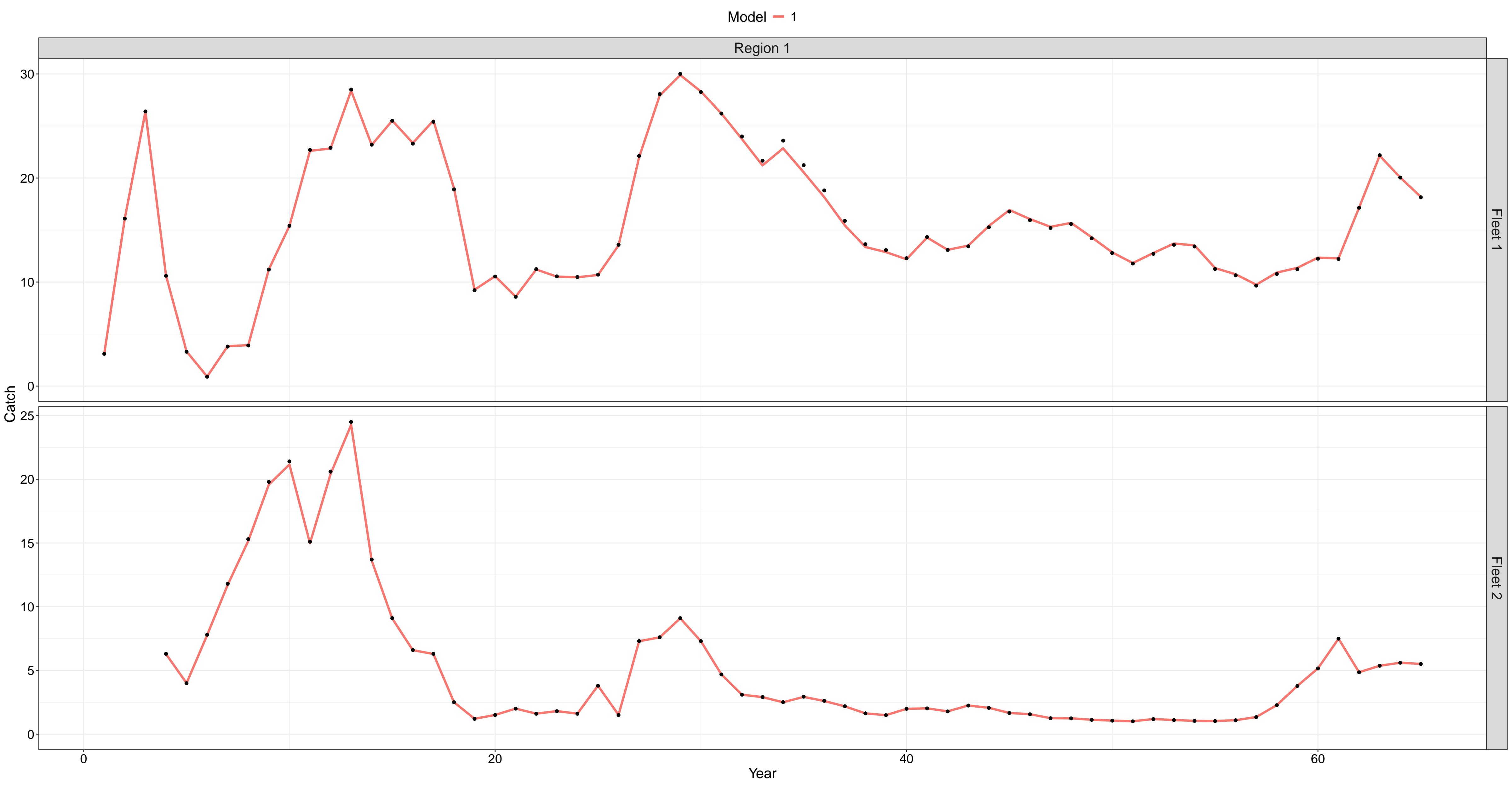
Numbers-at-age (millions)



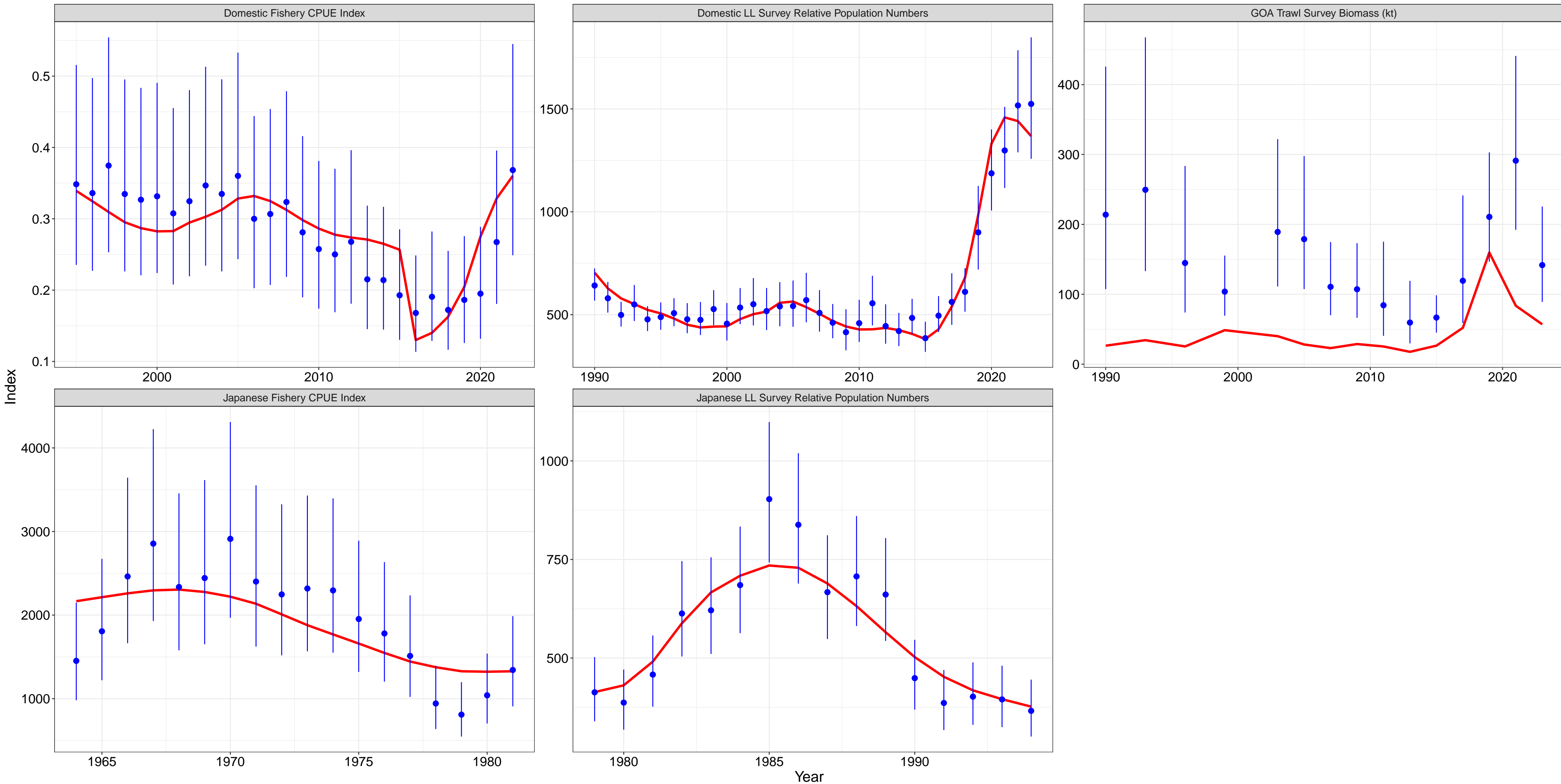
Year



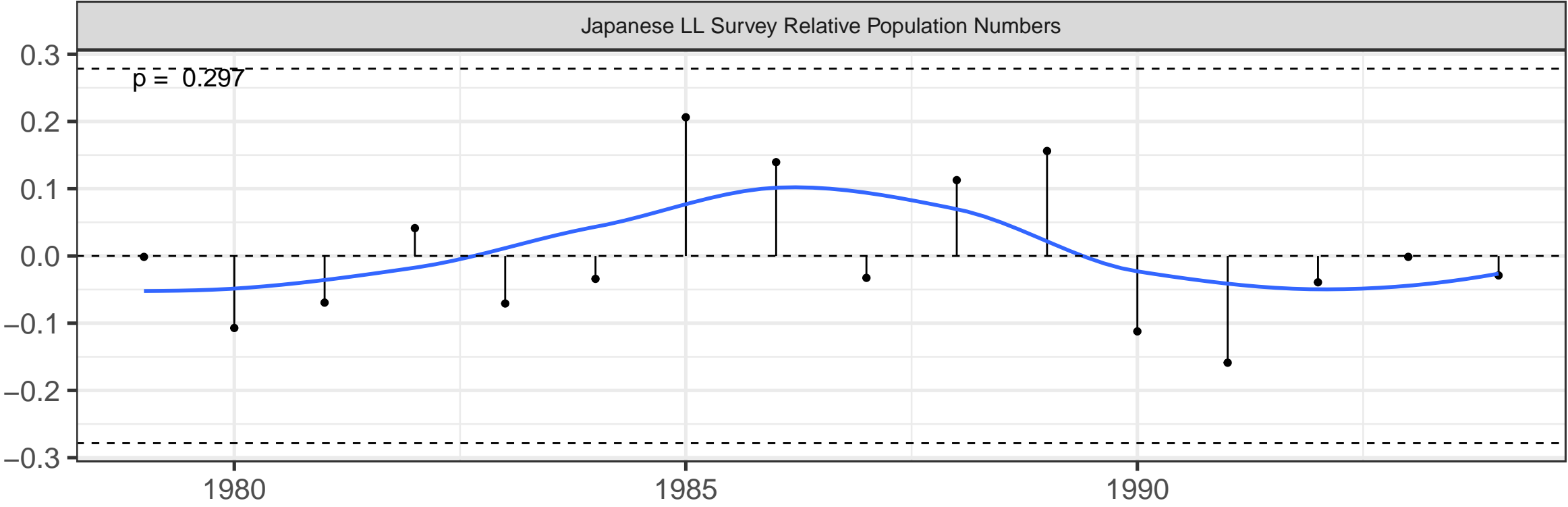
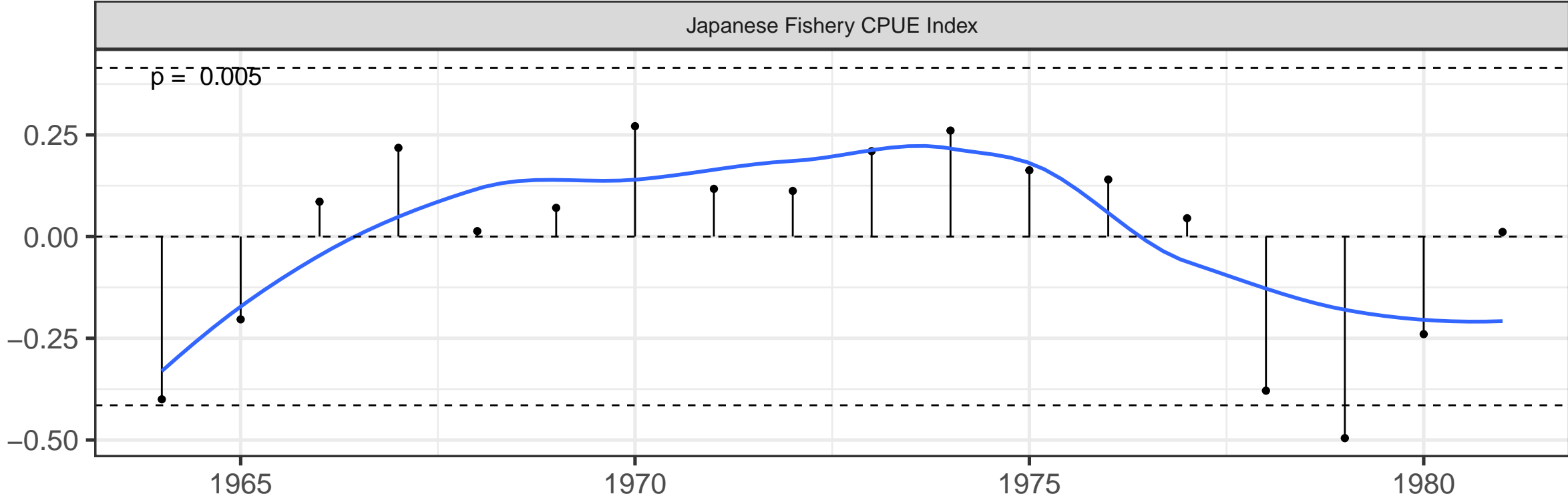
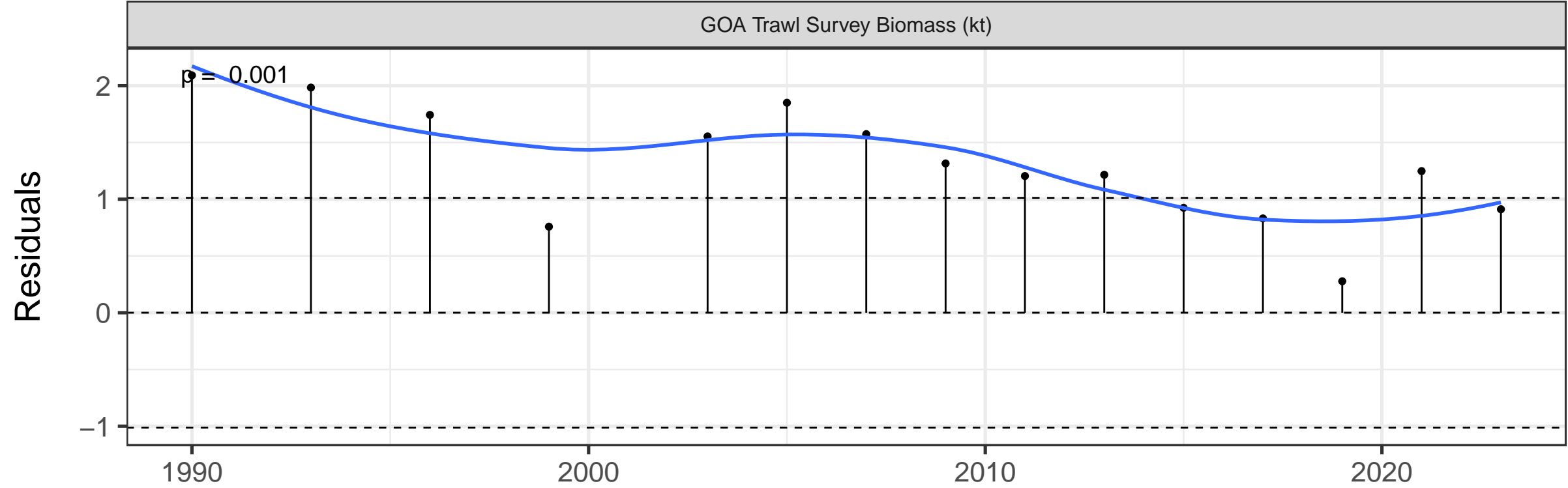
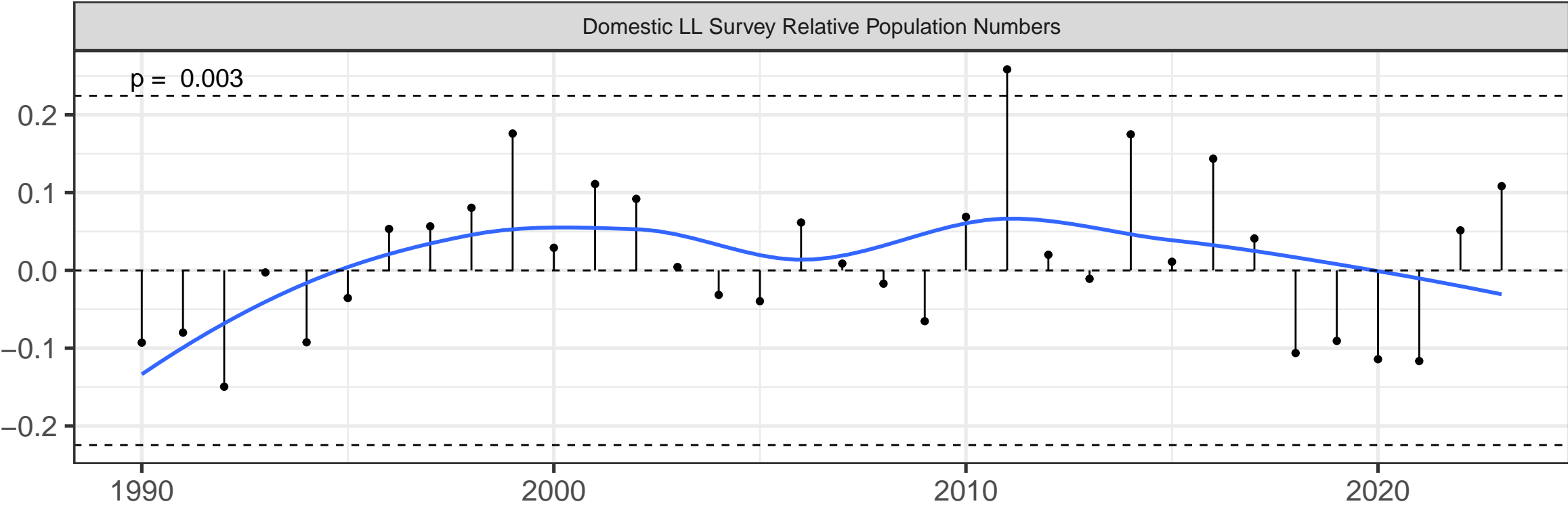
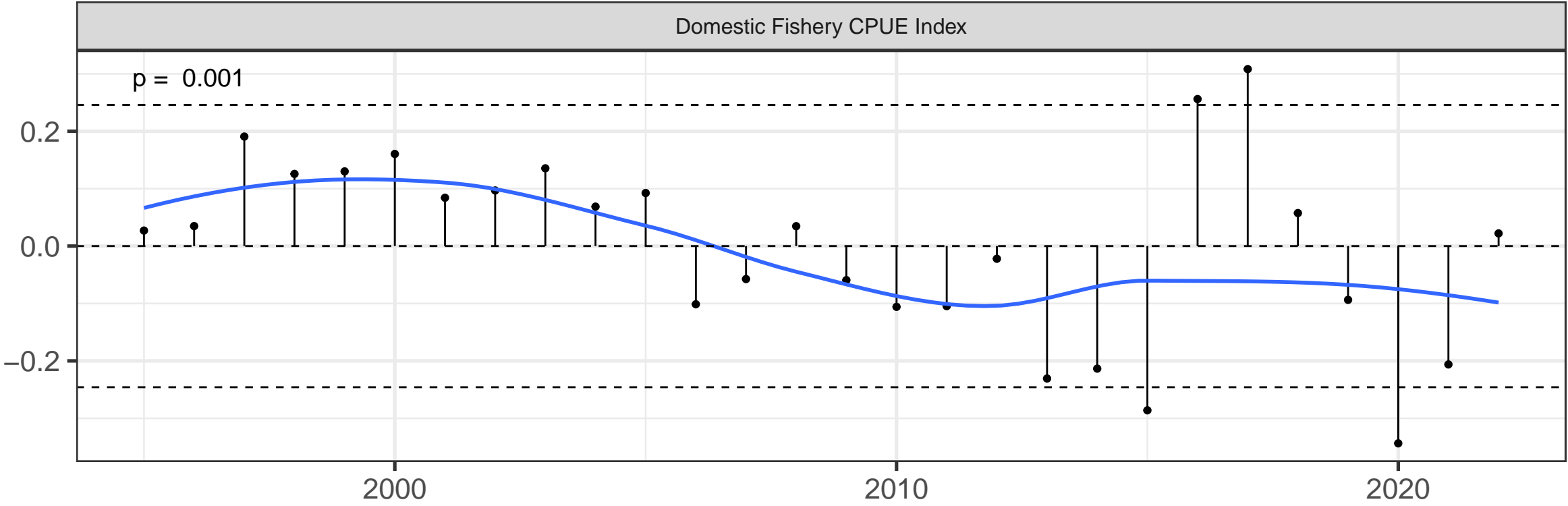




Index Fits

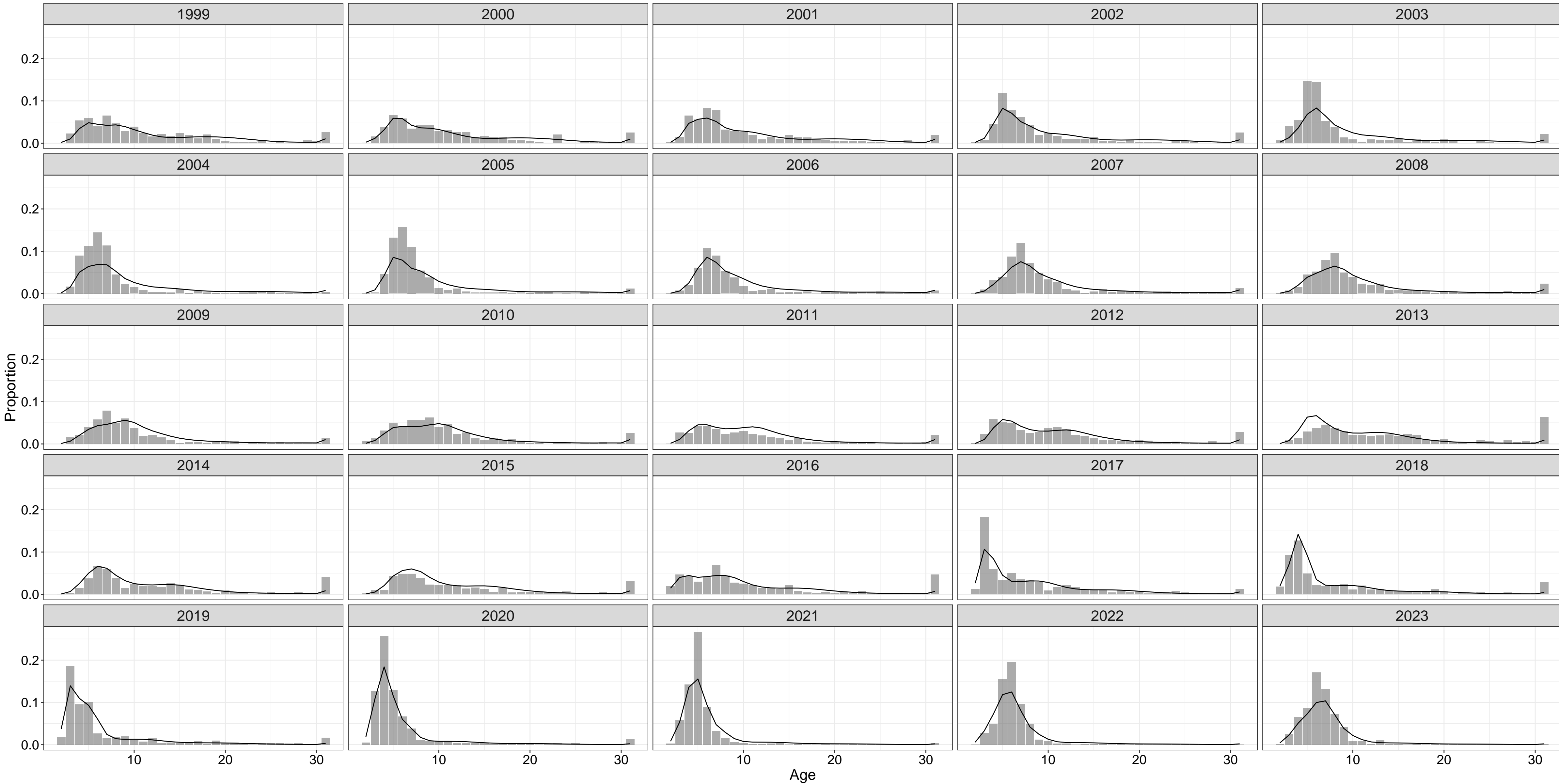


Index Residuals Runs Test

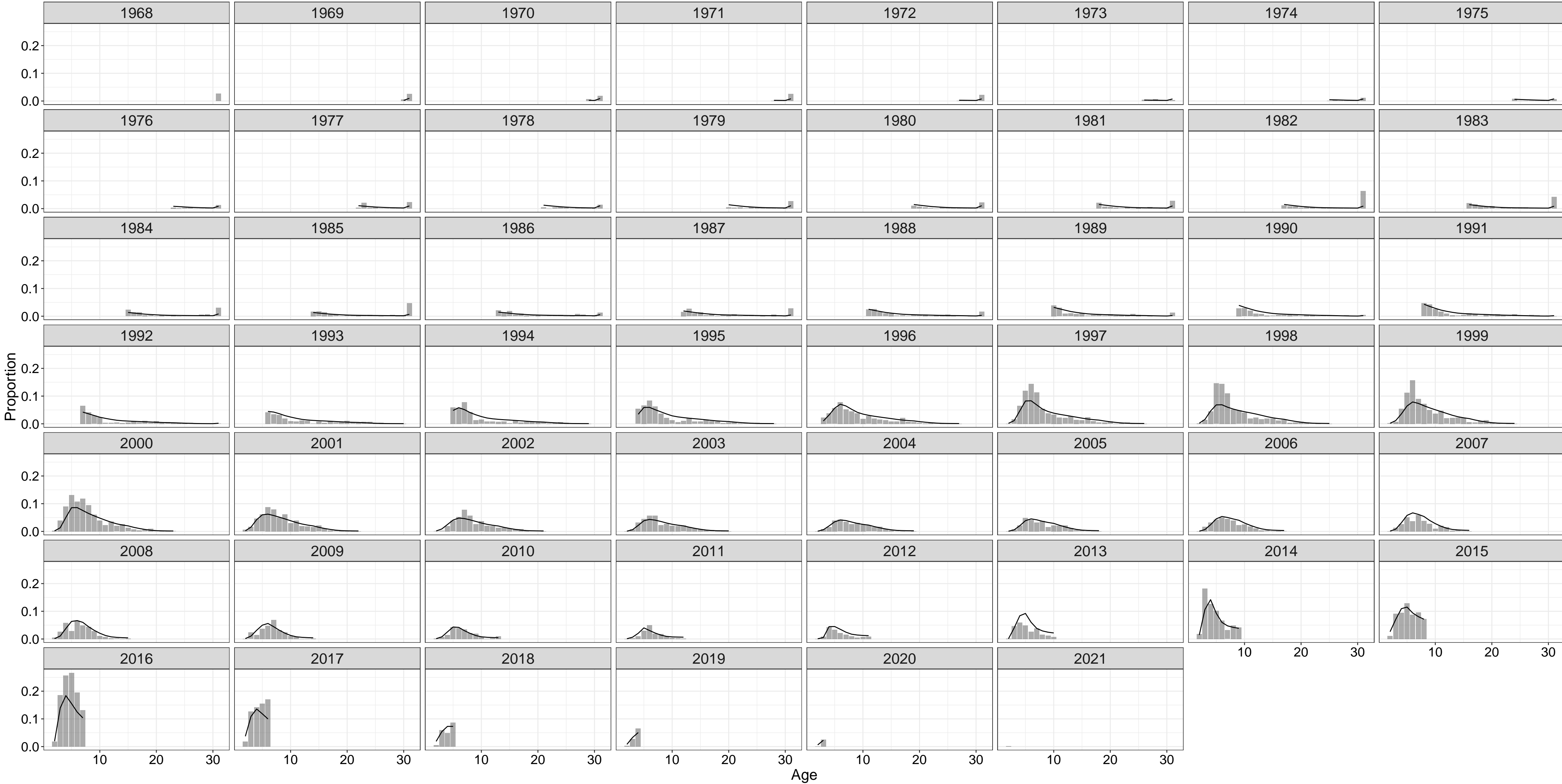


Year

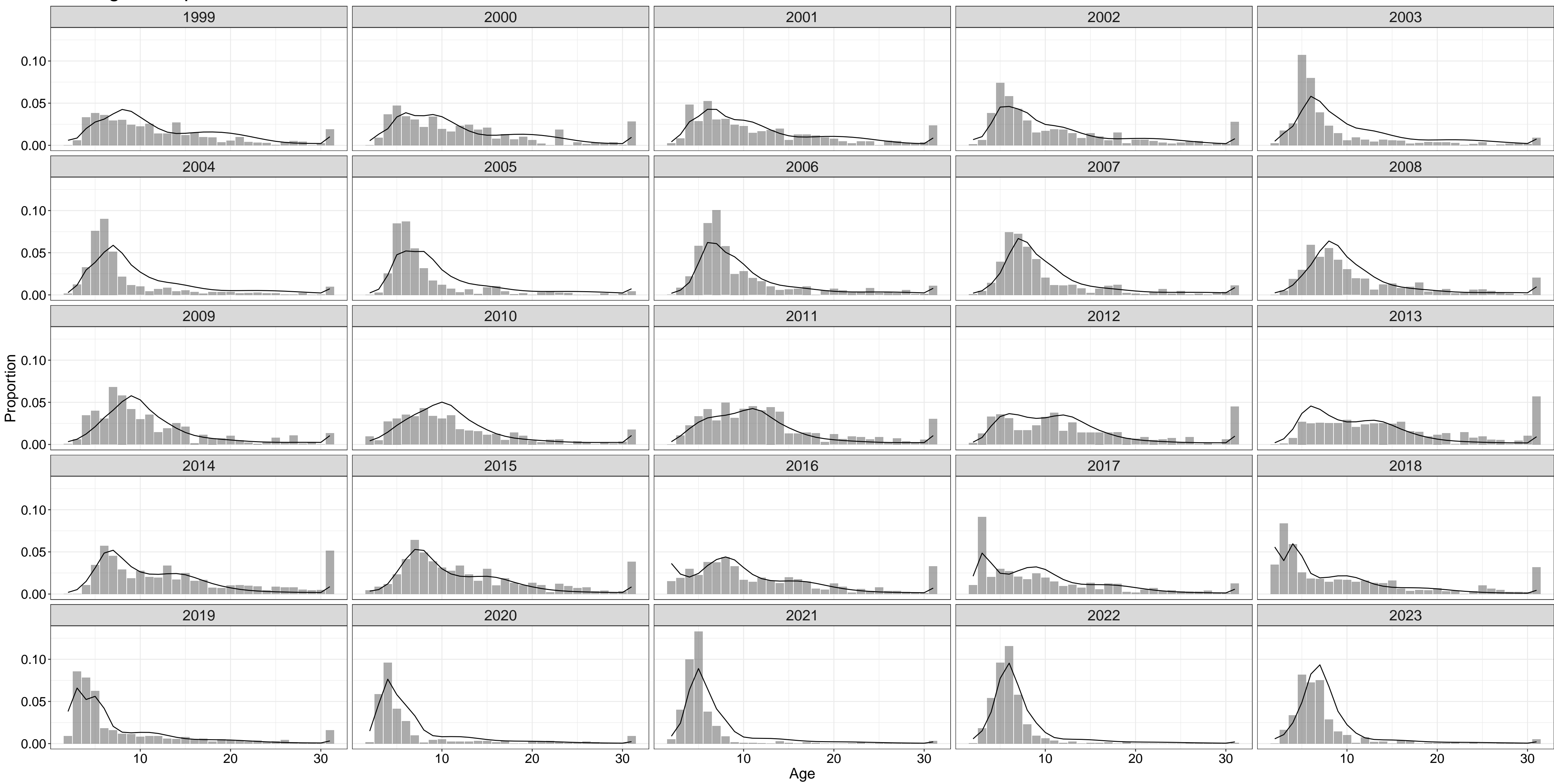
LLF Age Comps Female



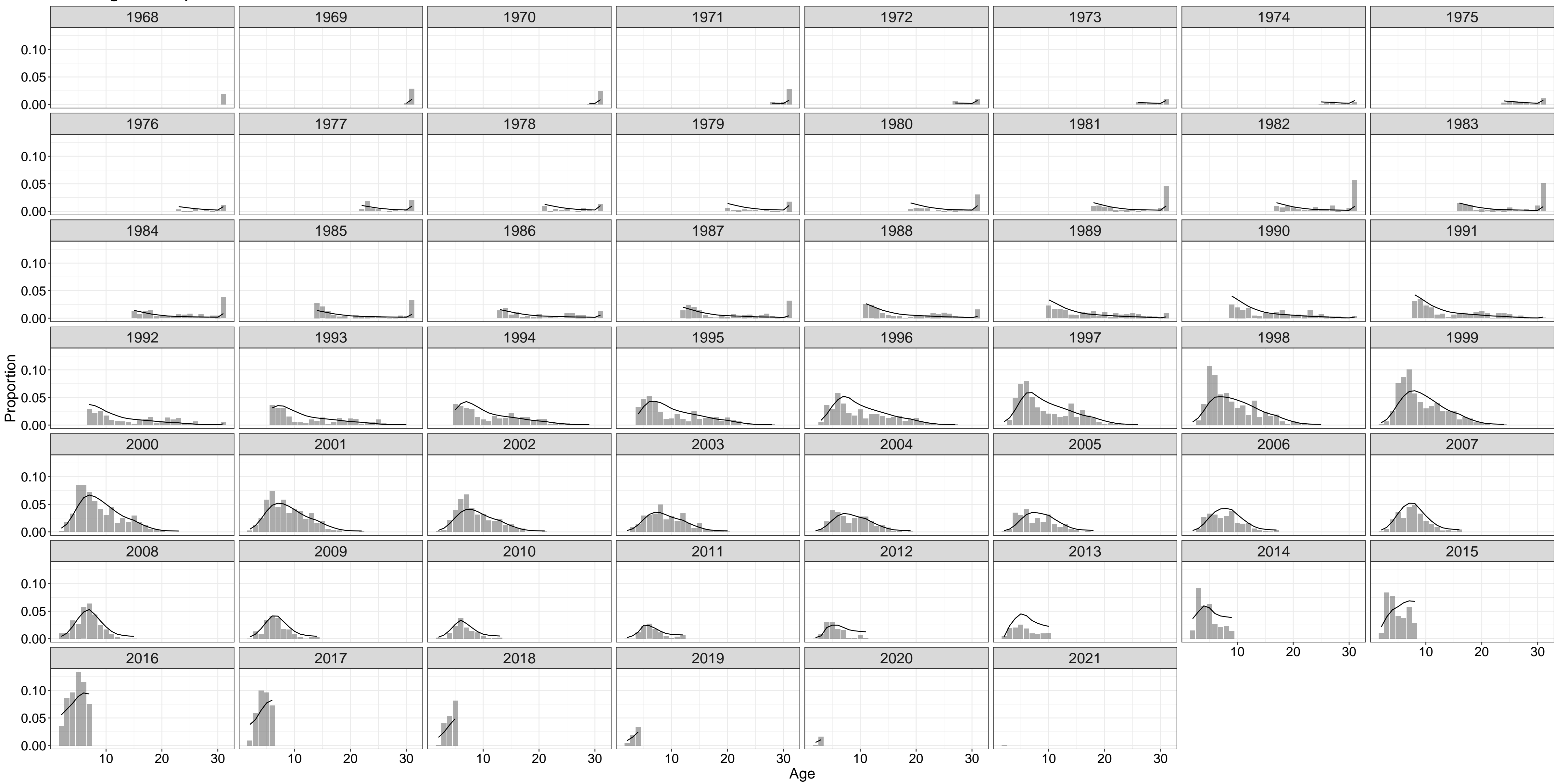
LLF Age Comps Cohort Fits Female



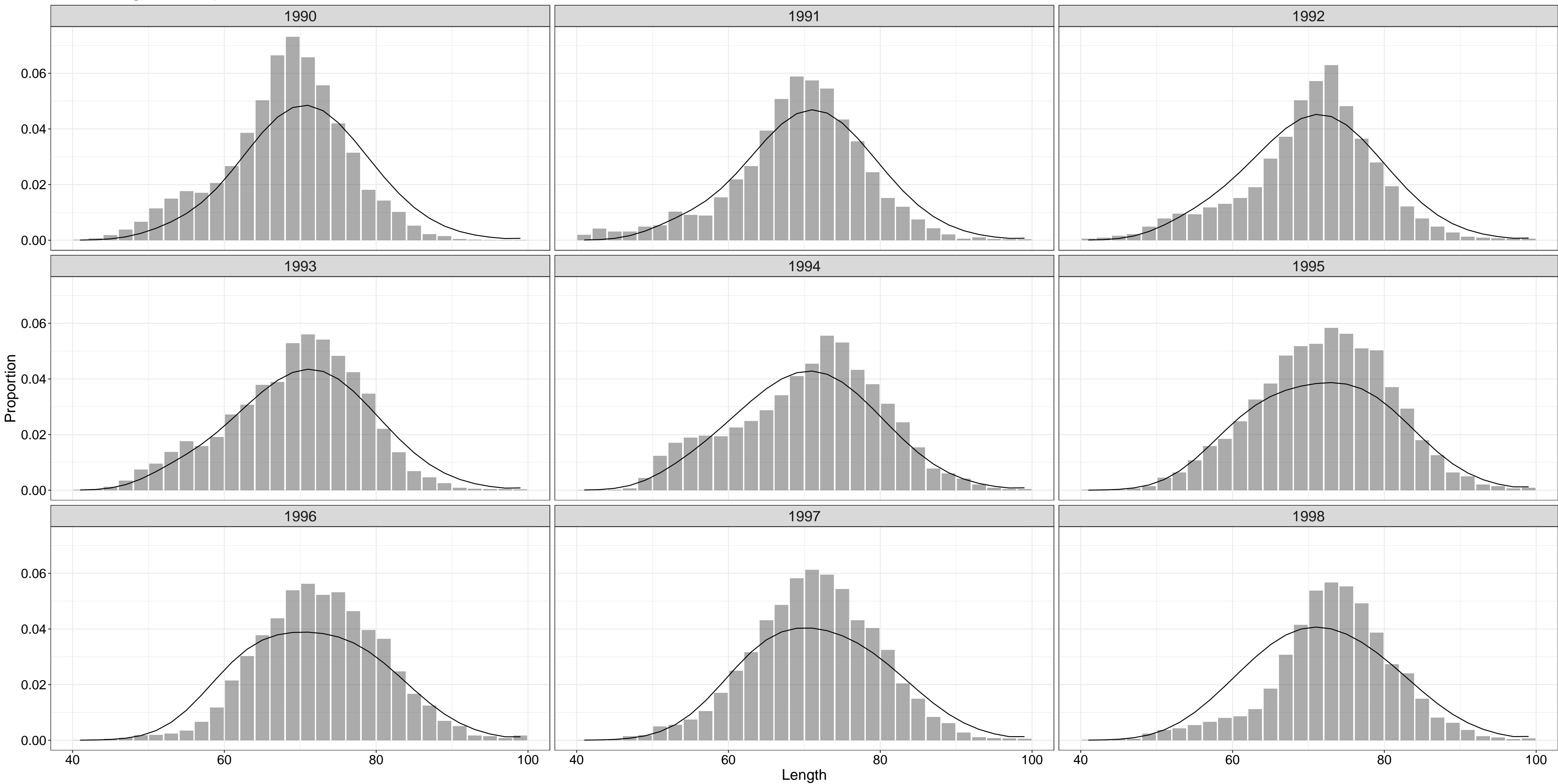
LLF Age Comps Male



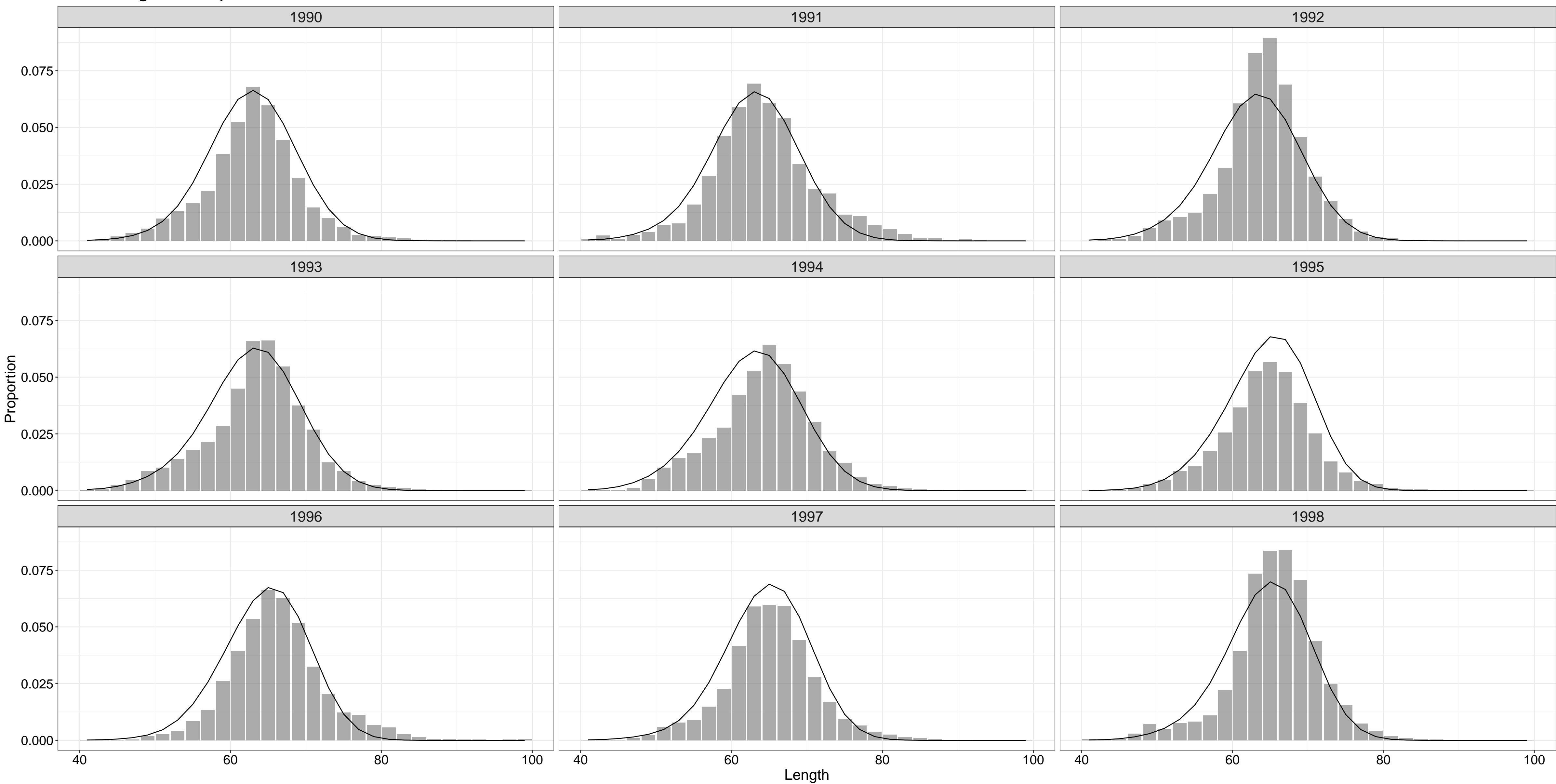
LLF Age Comps Cohort Fits Male



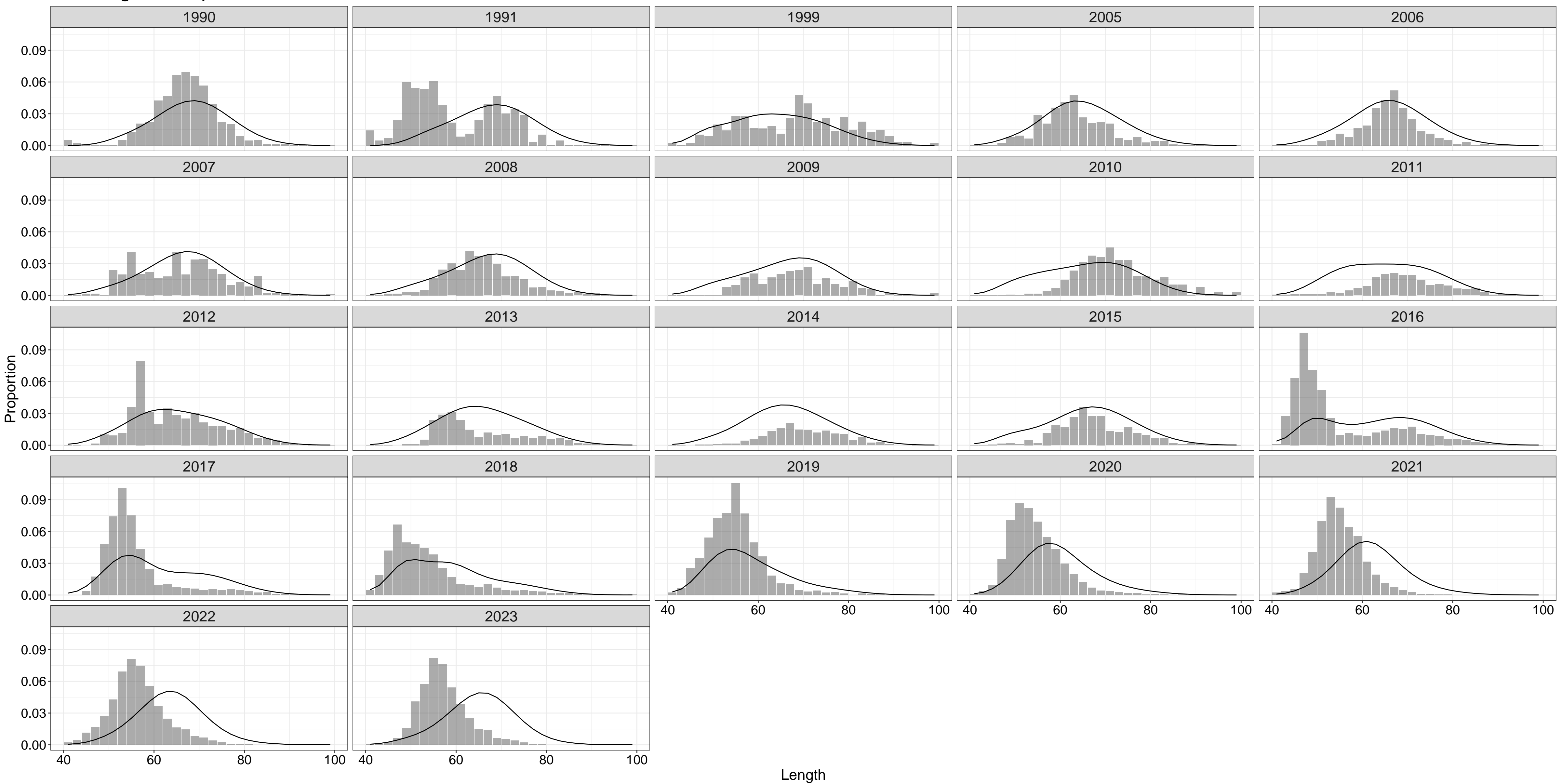
LLF Length Comps Female



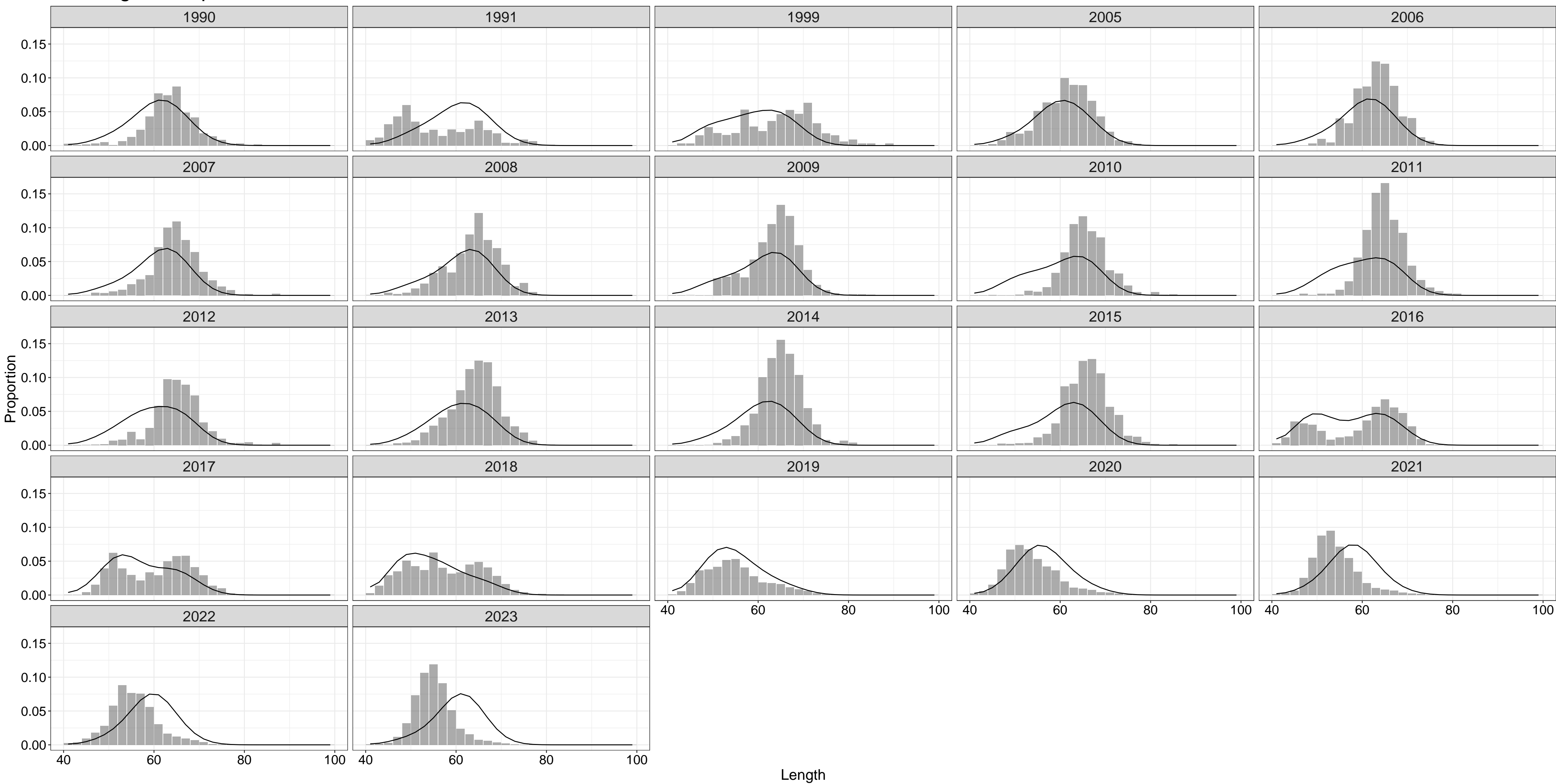
LLF Length Comps Male



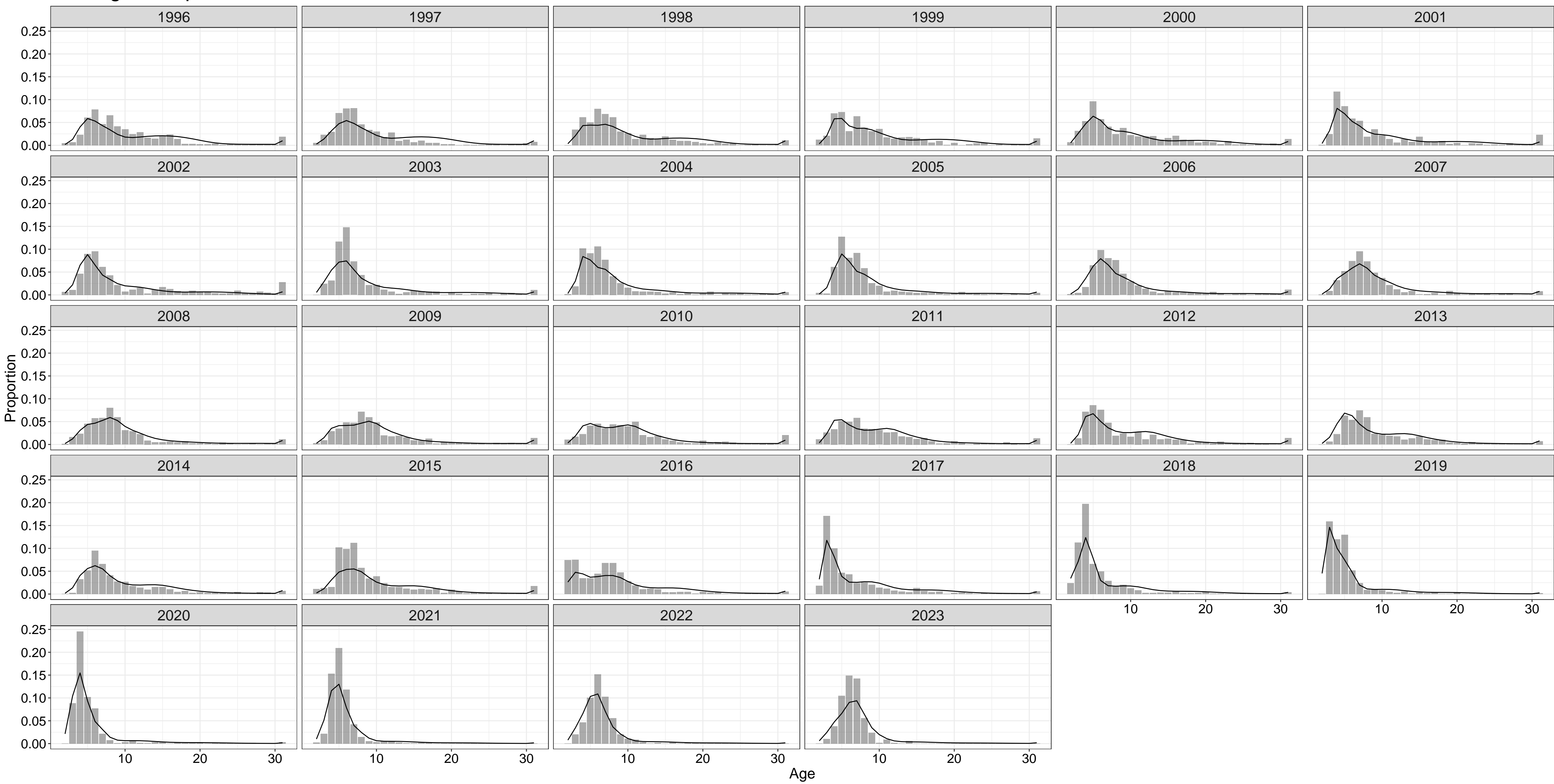
TF Length Comps Female



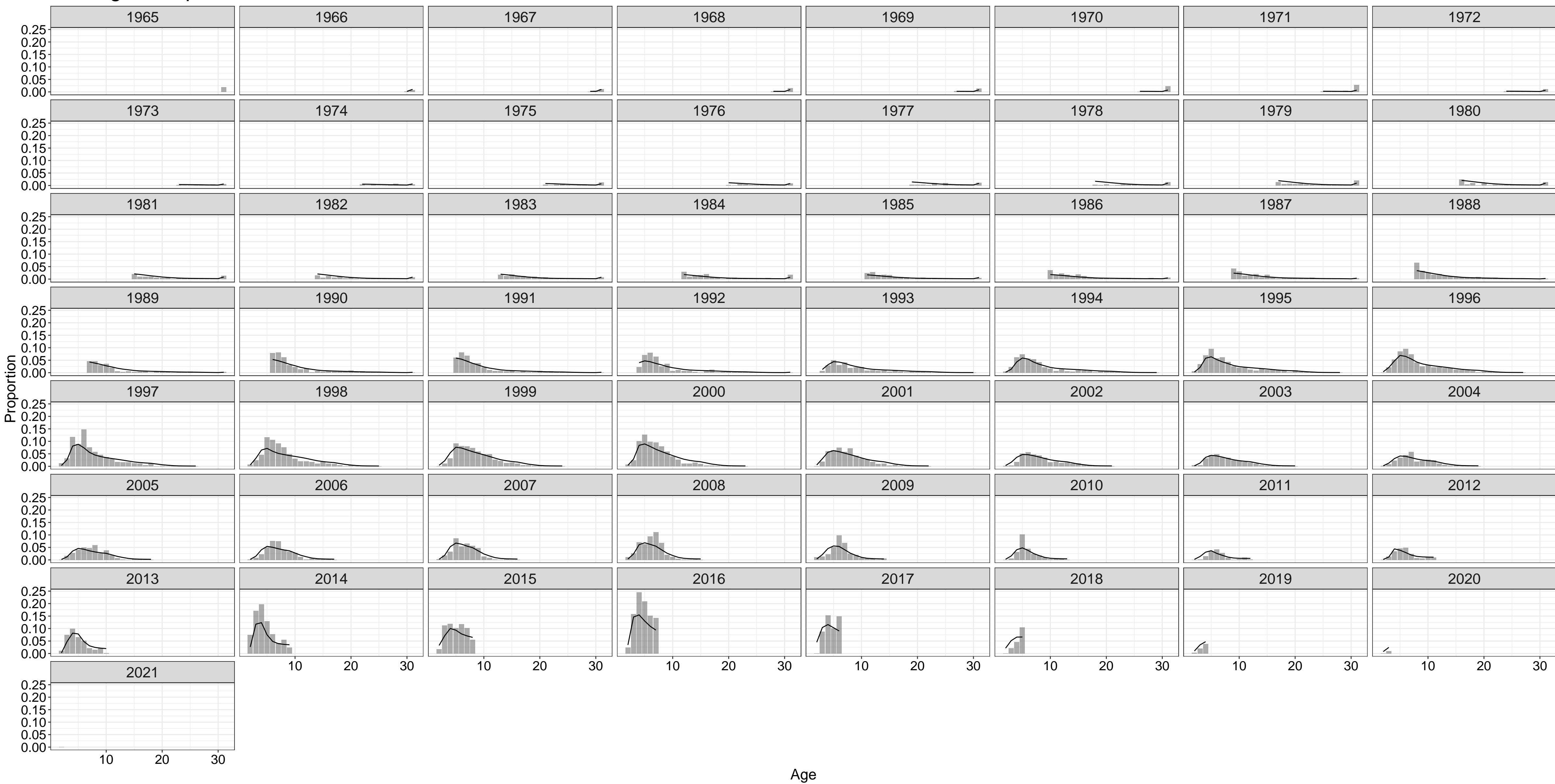
TF Length Comps Male



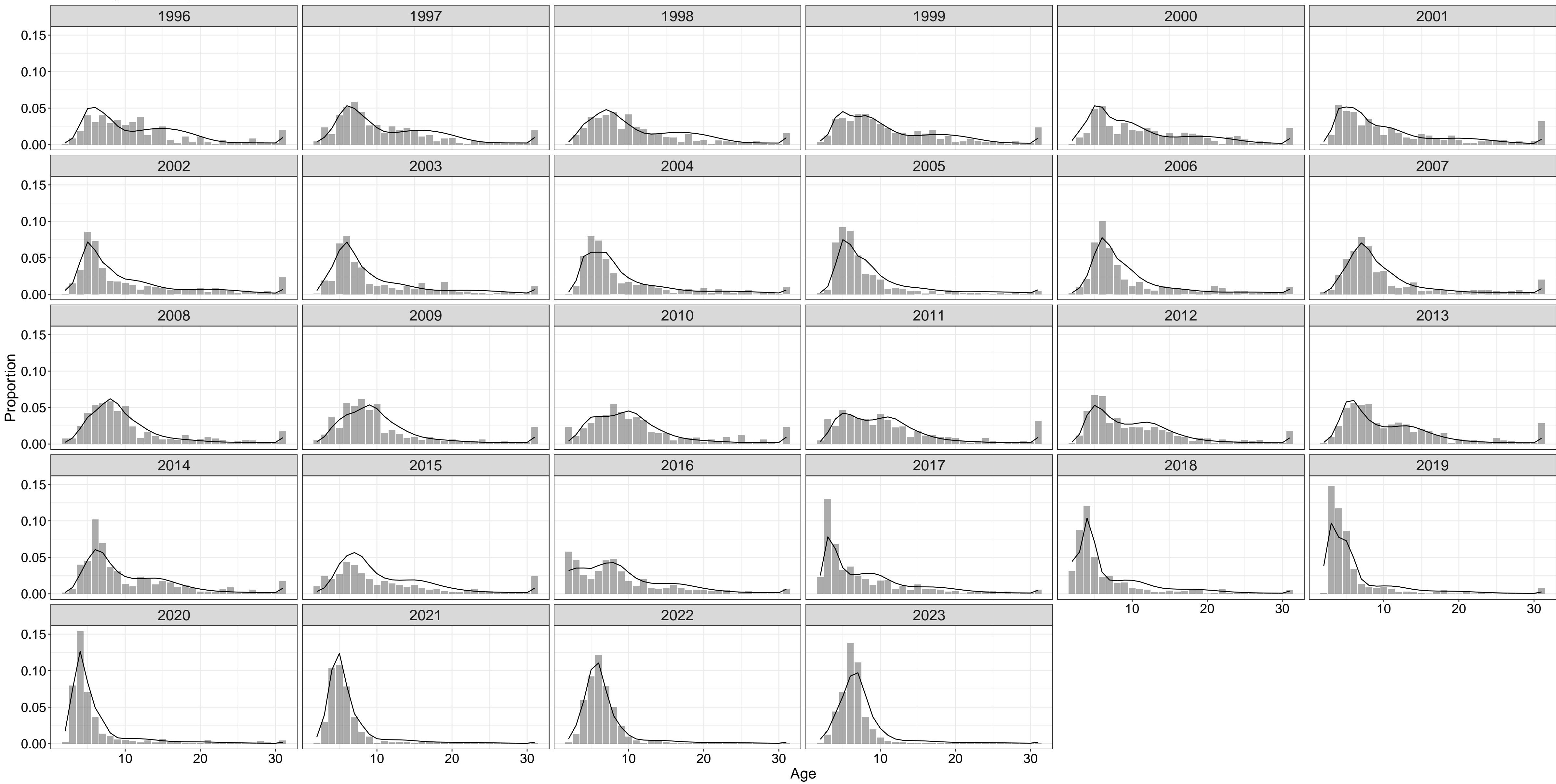
LLS Age Comps Female



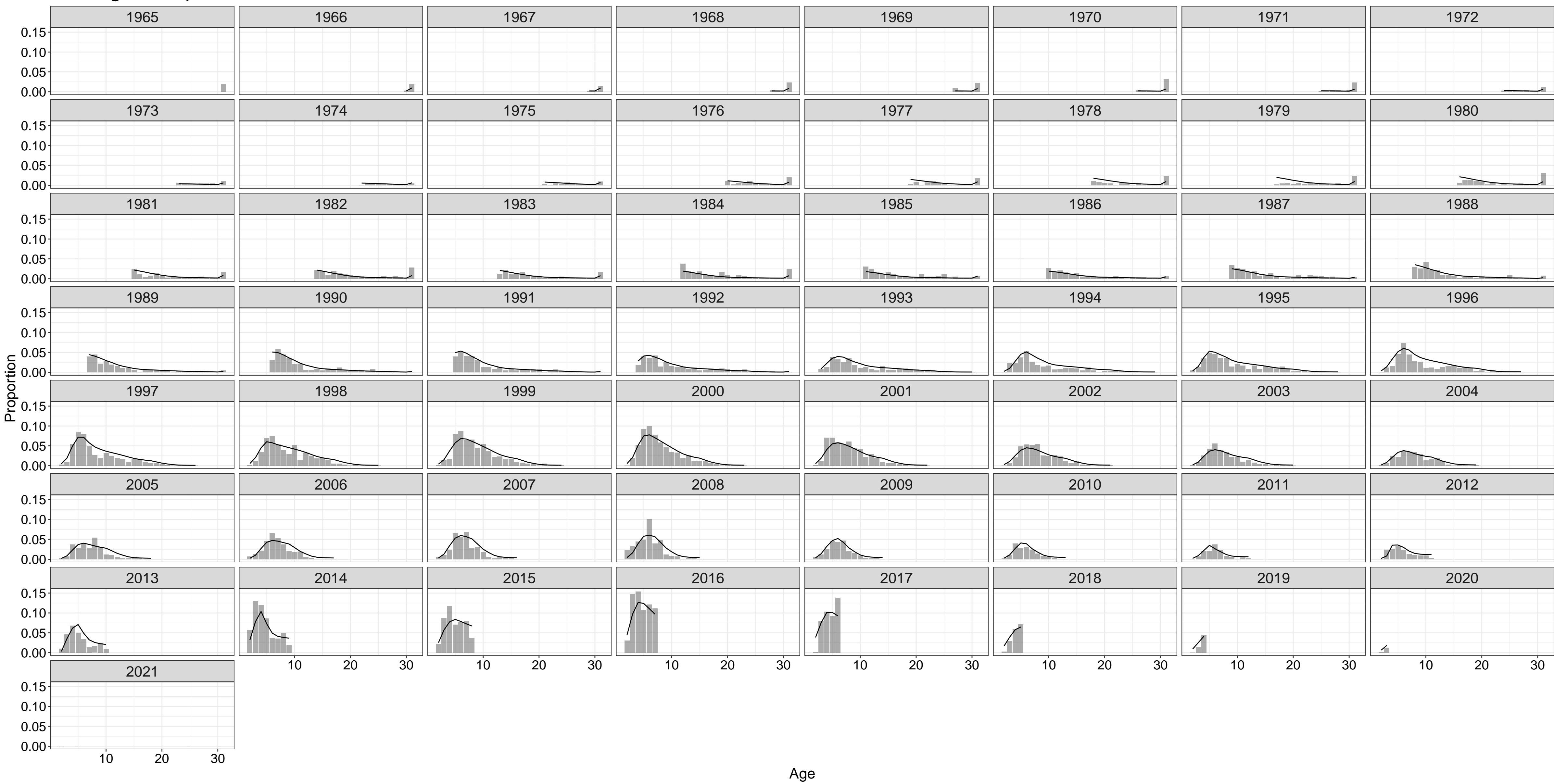
LLS Age Comps Cohort Fit Female



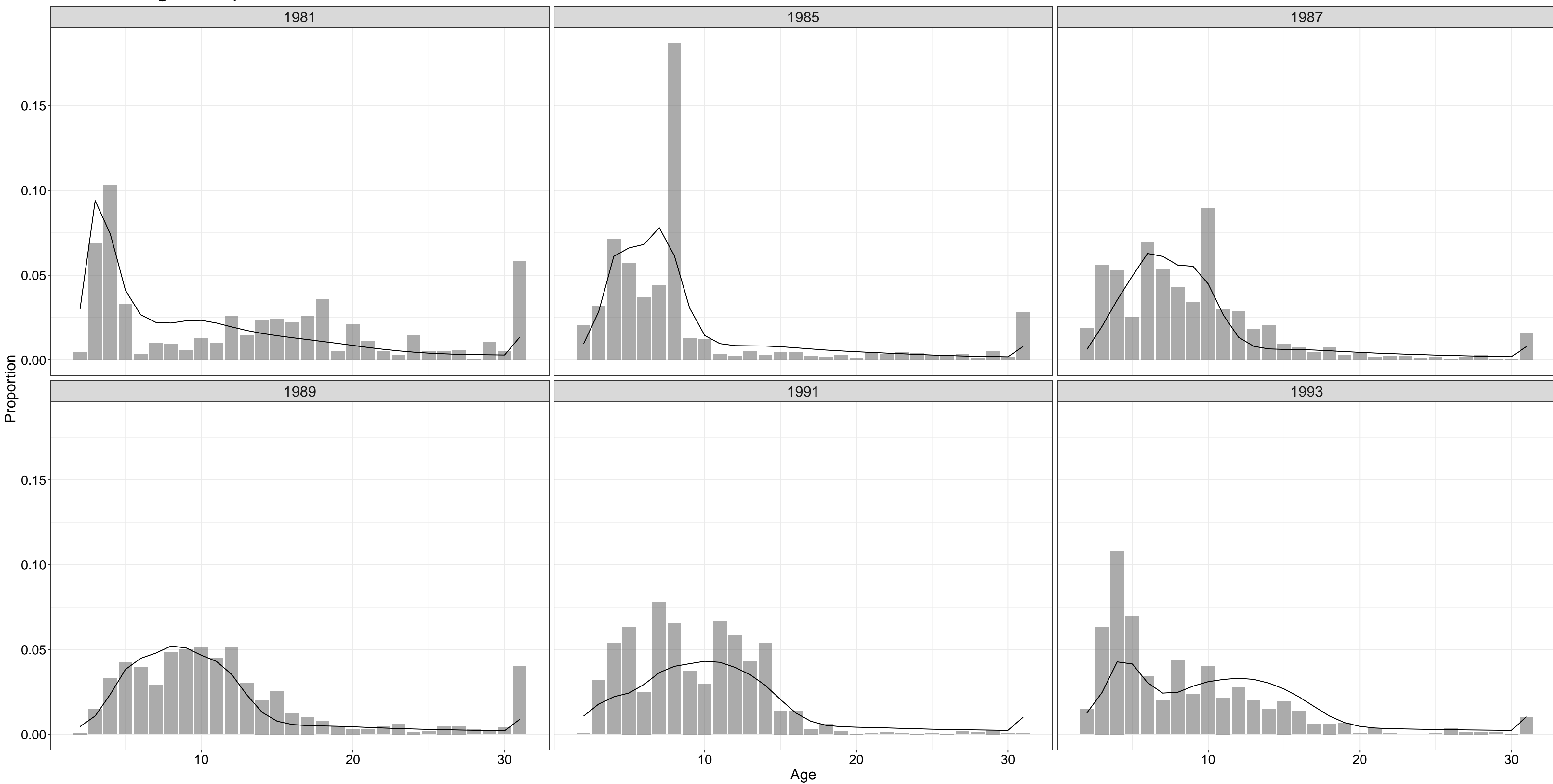
LLS Age Comps Male



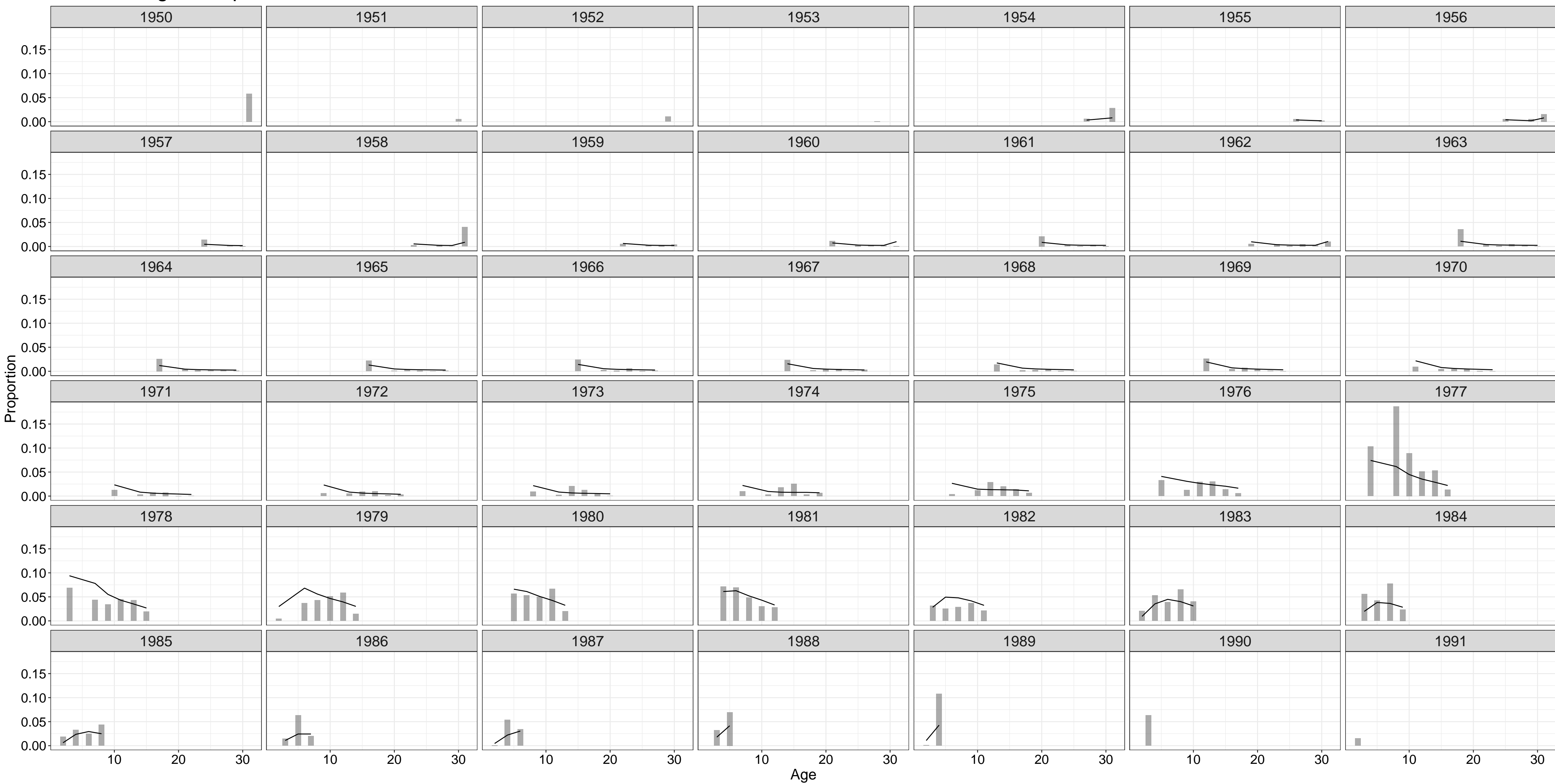
LLS Age Comps Cohort Fit Male



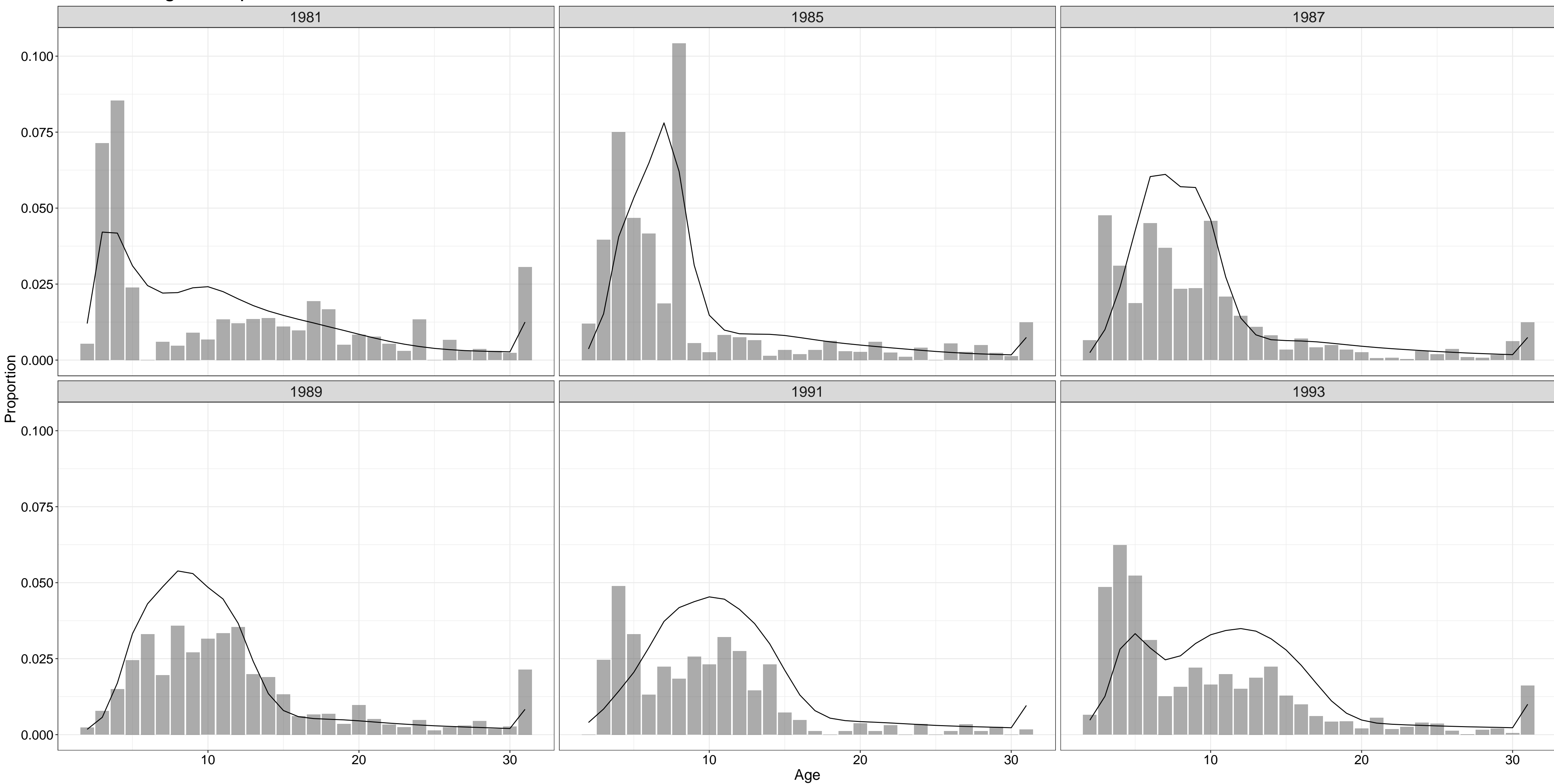
JPN LLS Age Comps Female



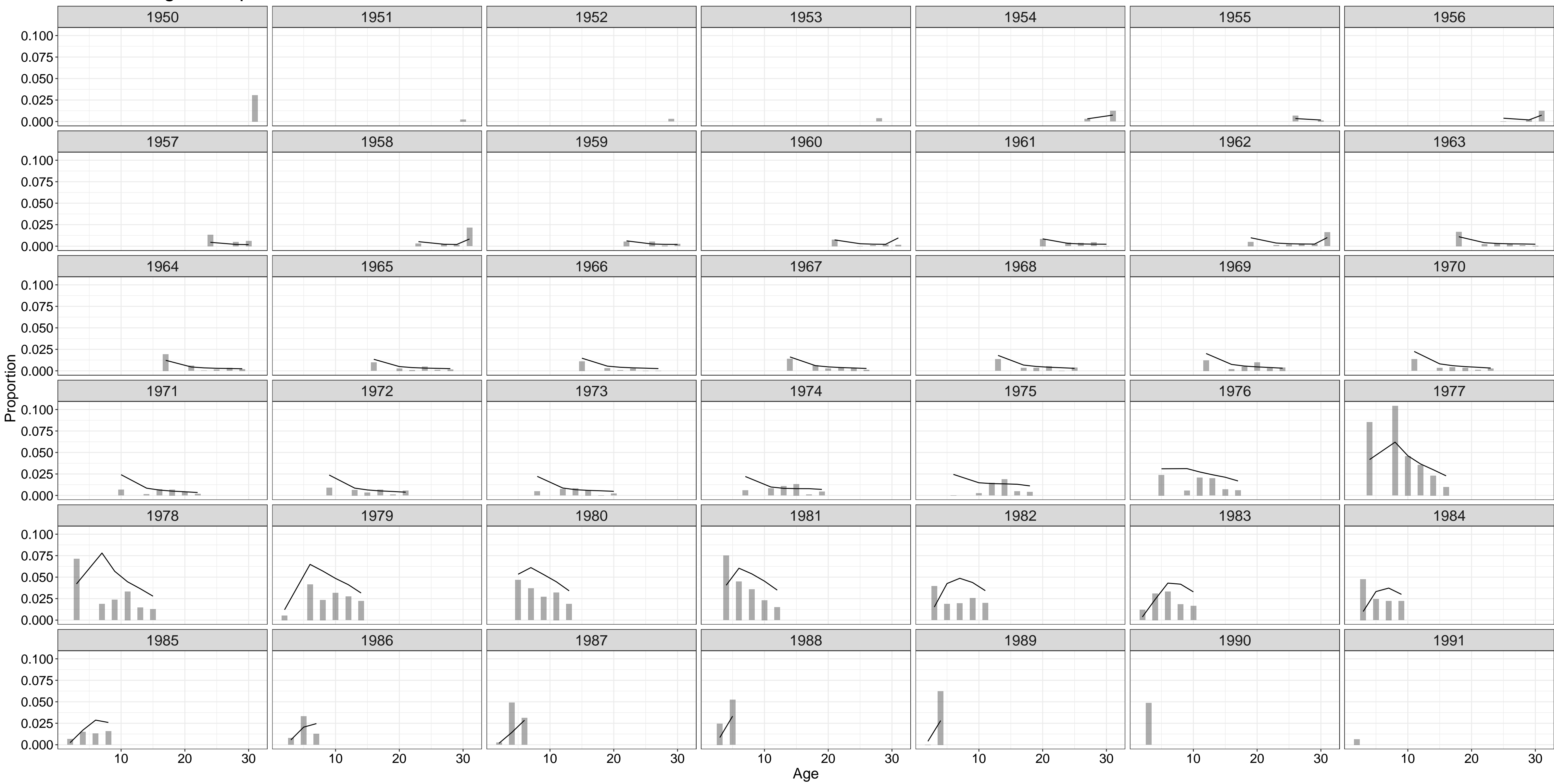
JPN LLS Age Comps Cohort Fit Female



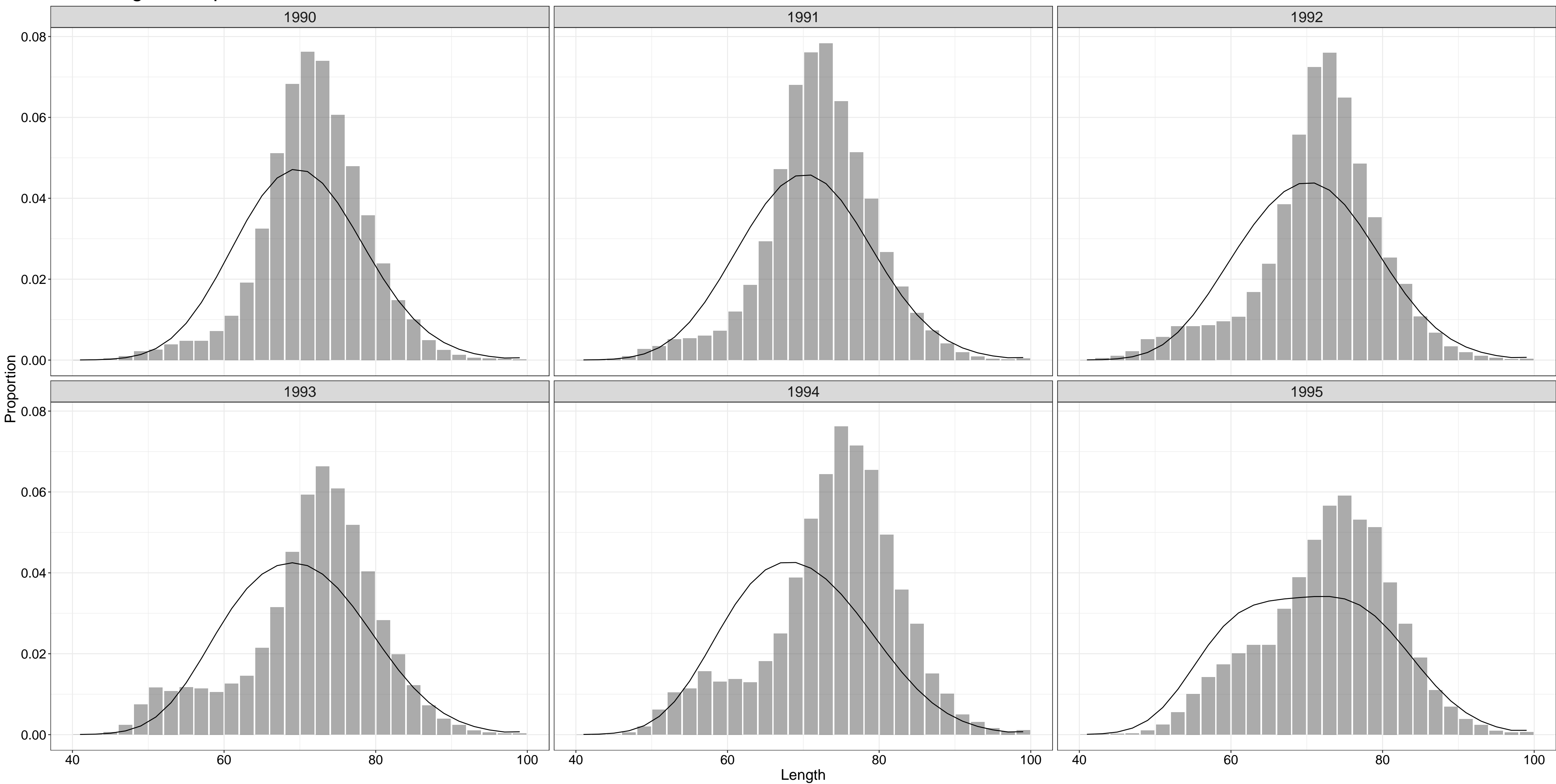
JPN LLS Age Comps Male



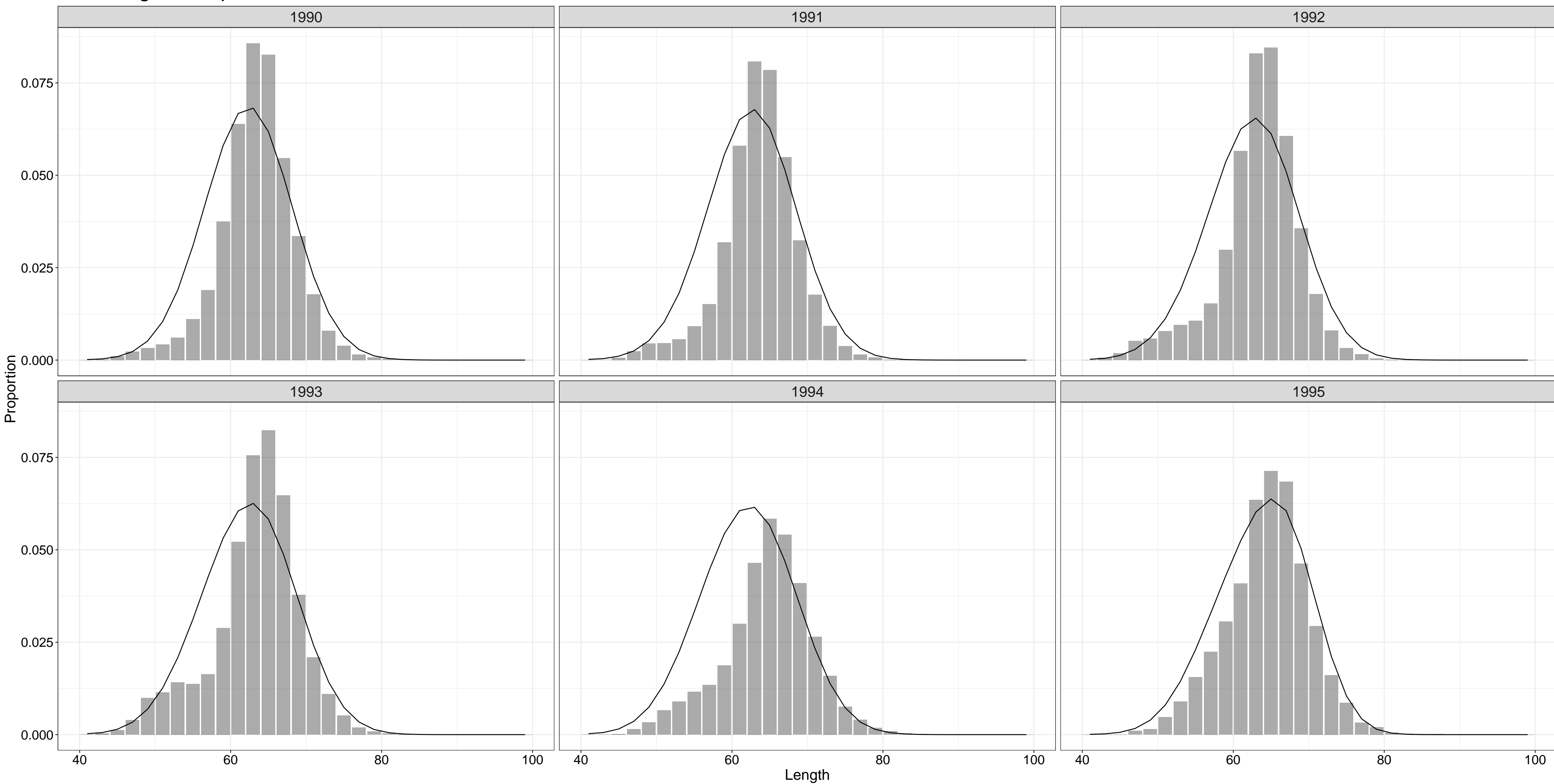
JPN LLS Age Comps Cohort Fit Male



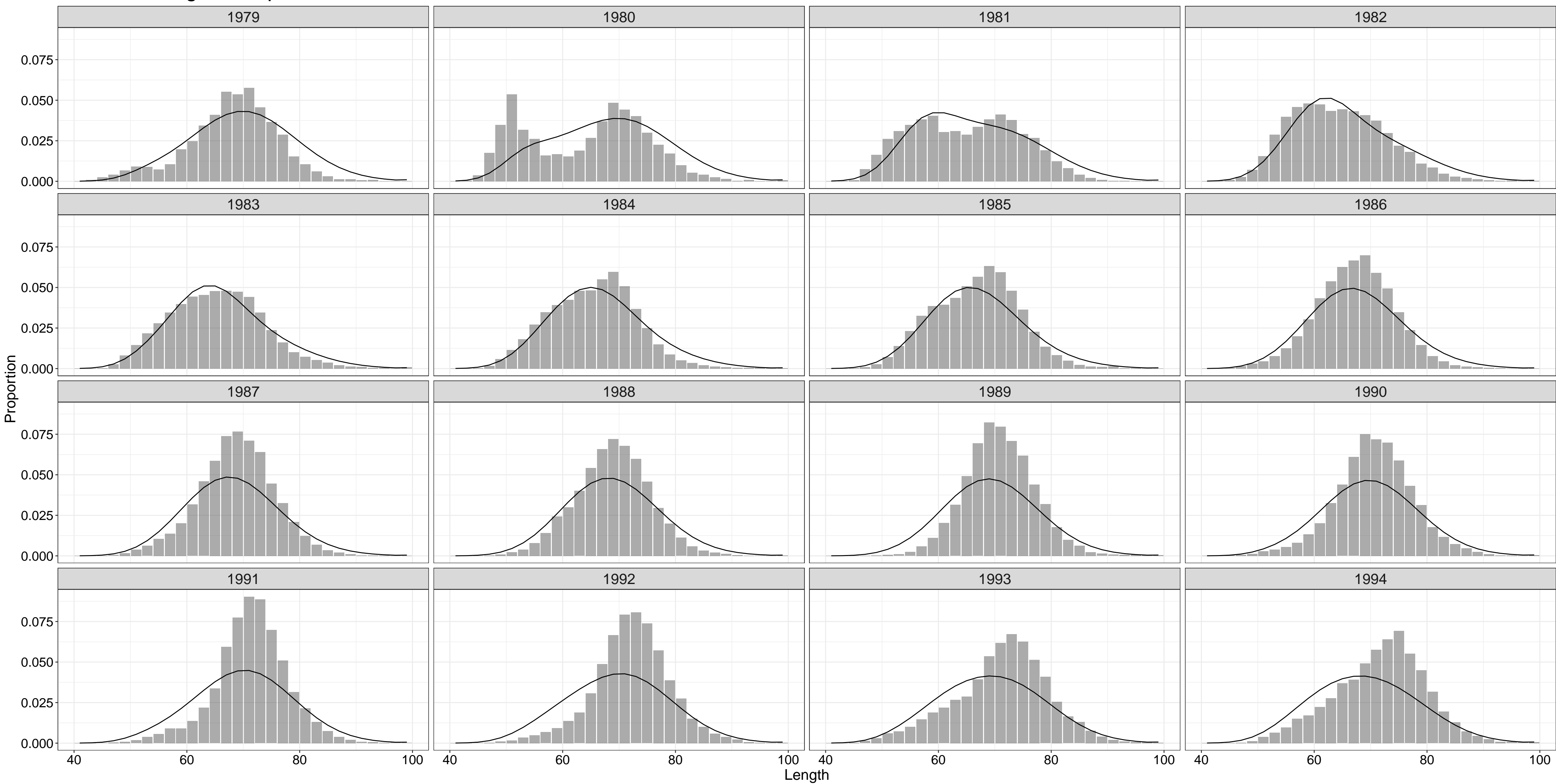
LLS Length Comps Female



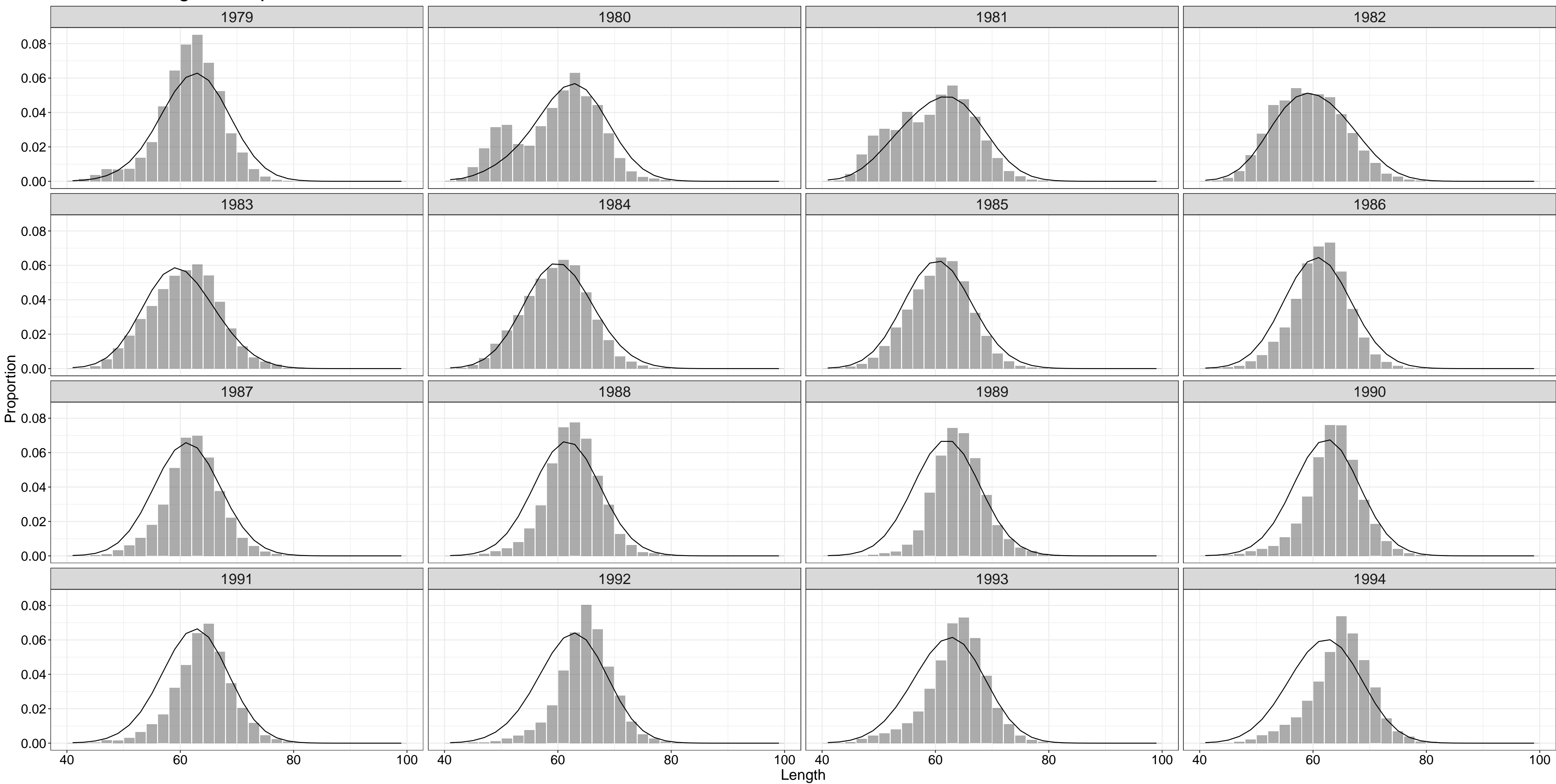
LLS Length Comps Male

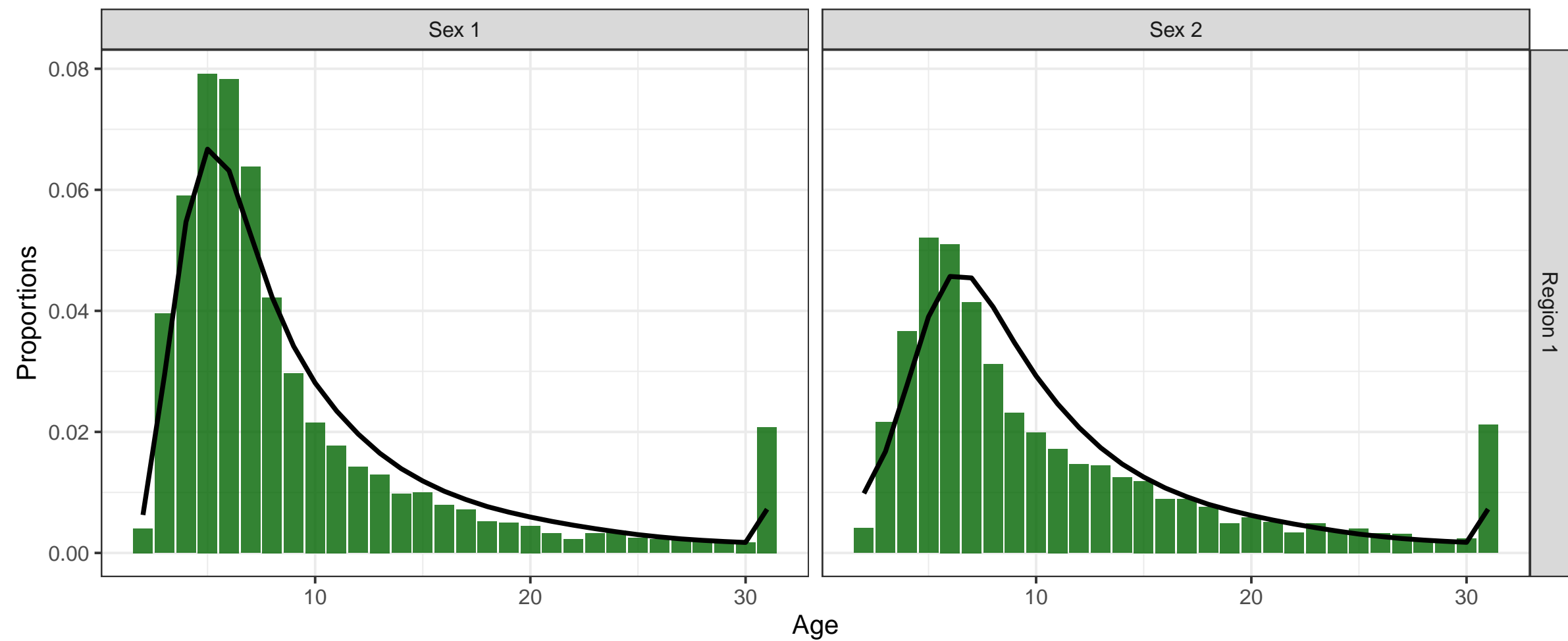
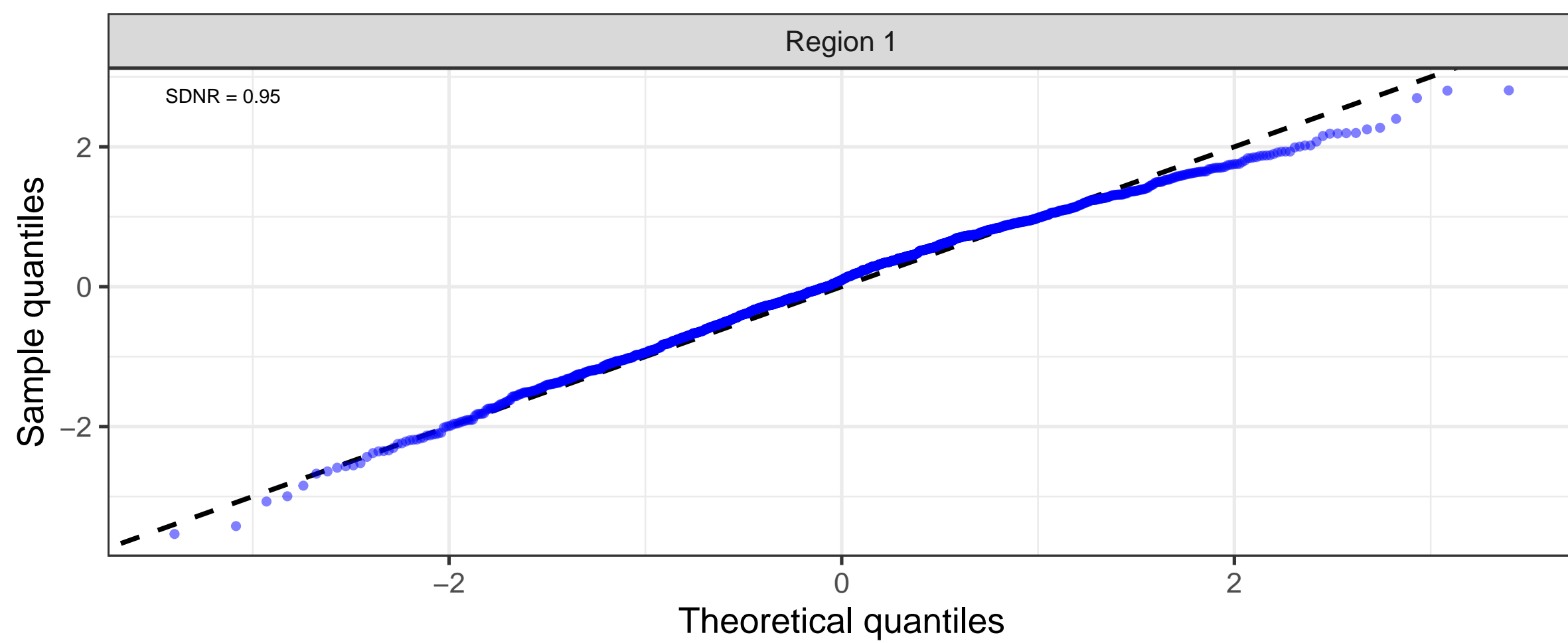
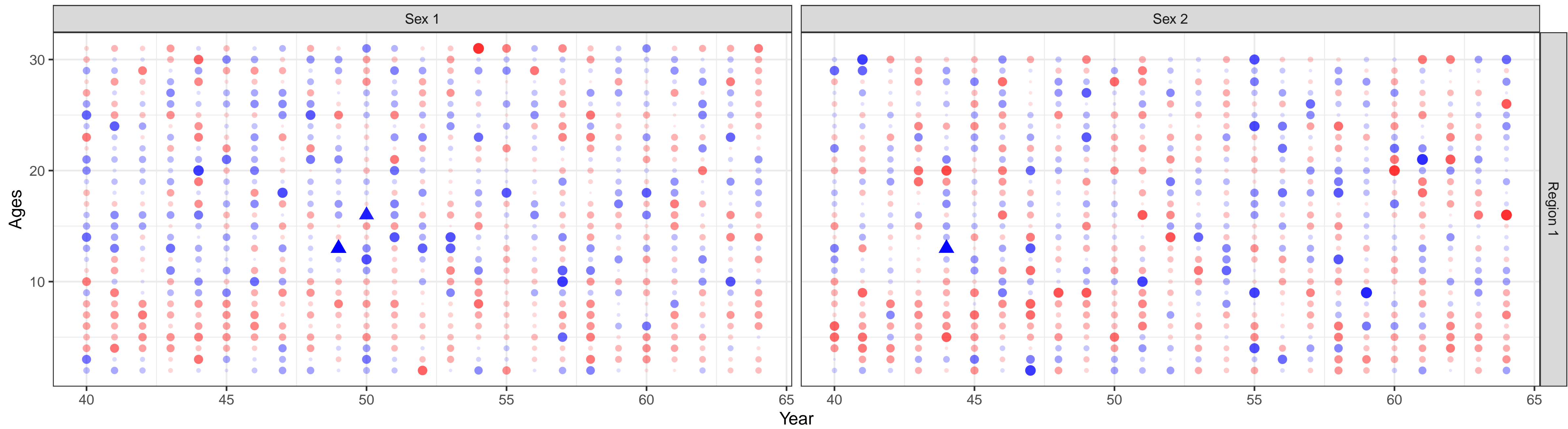


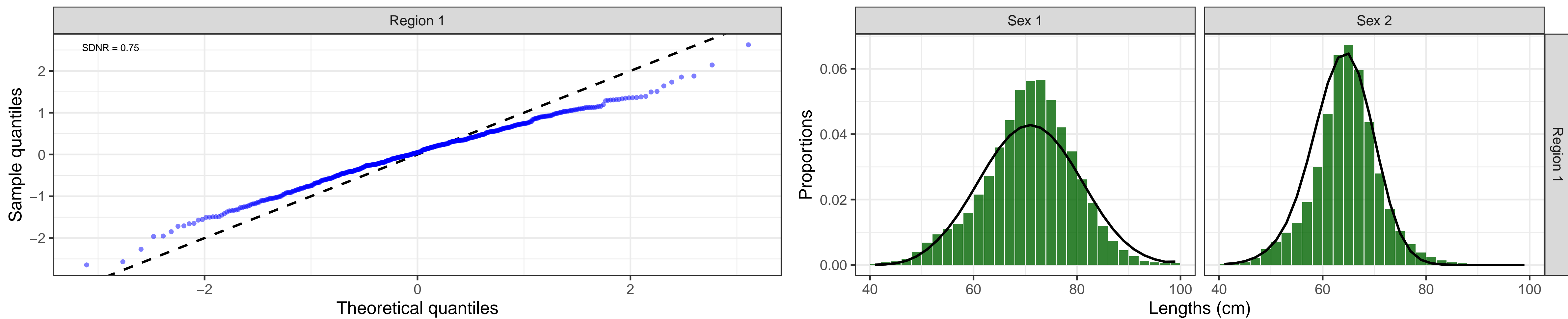
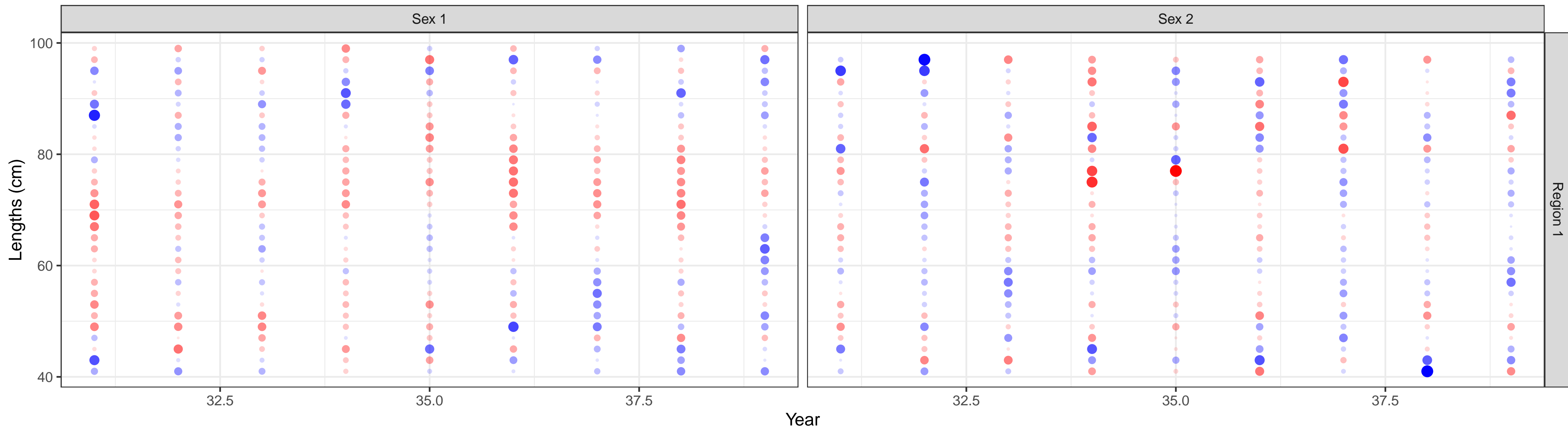
JPN LLS Length Comps Female

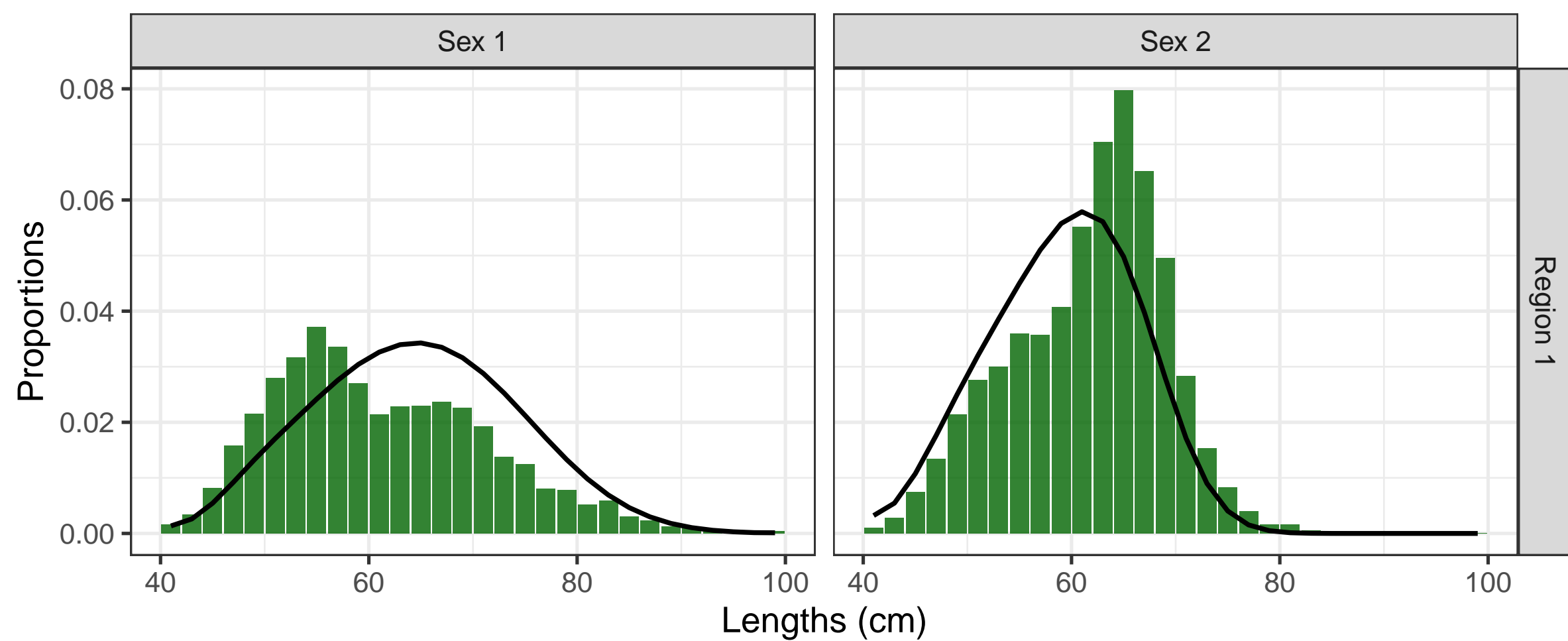
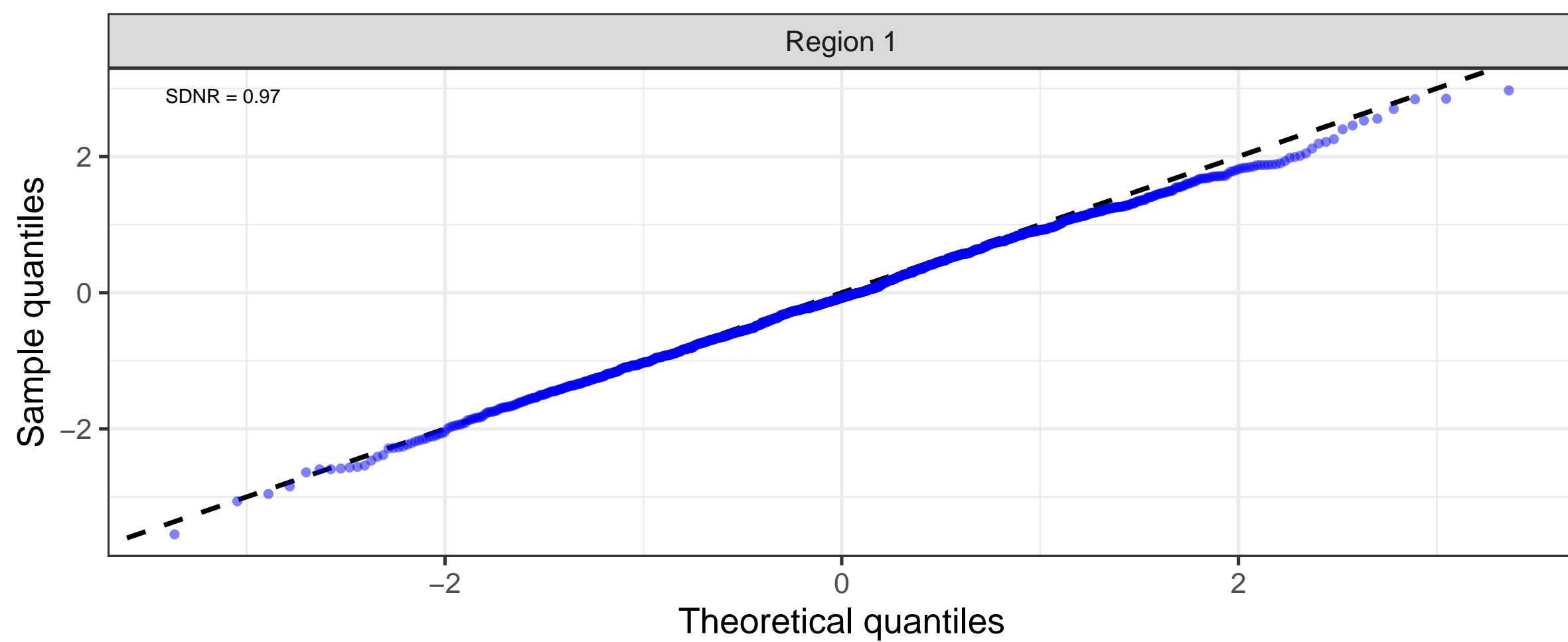
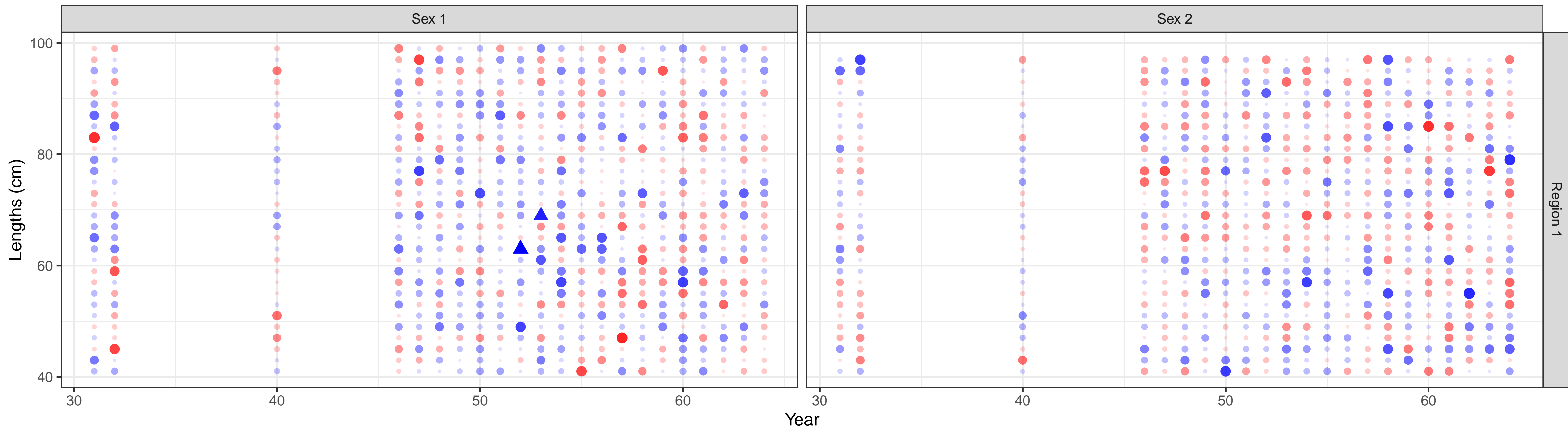


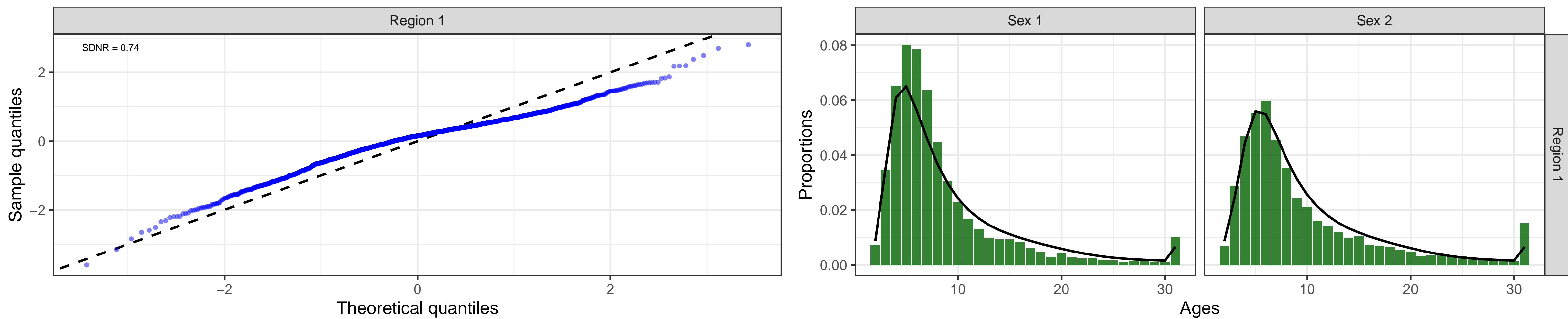
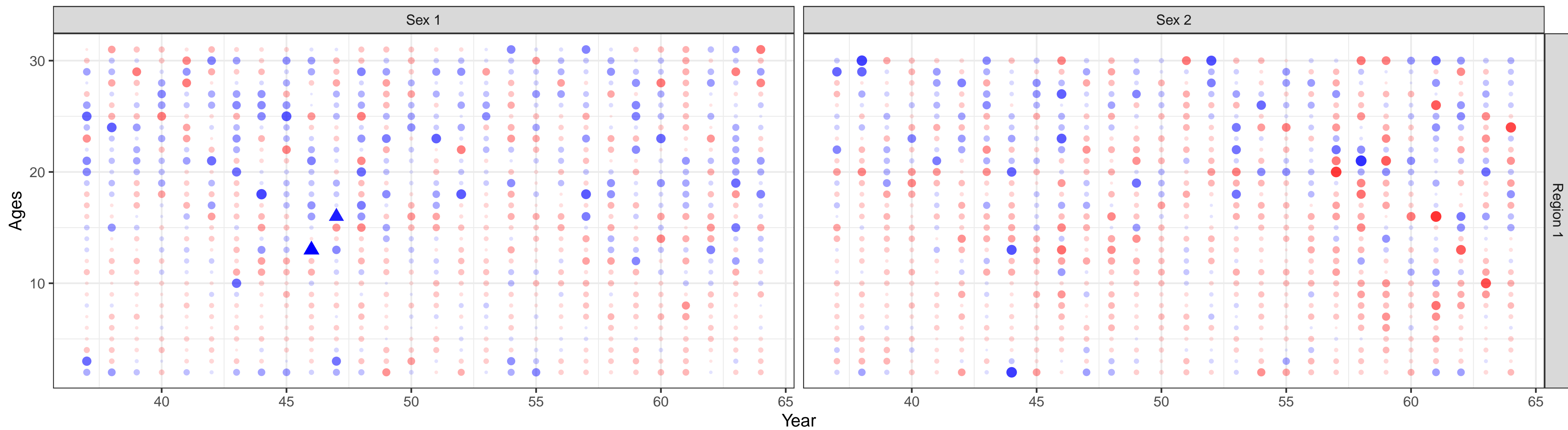
JPN LLS Length Comps Male

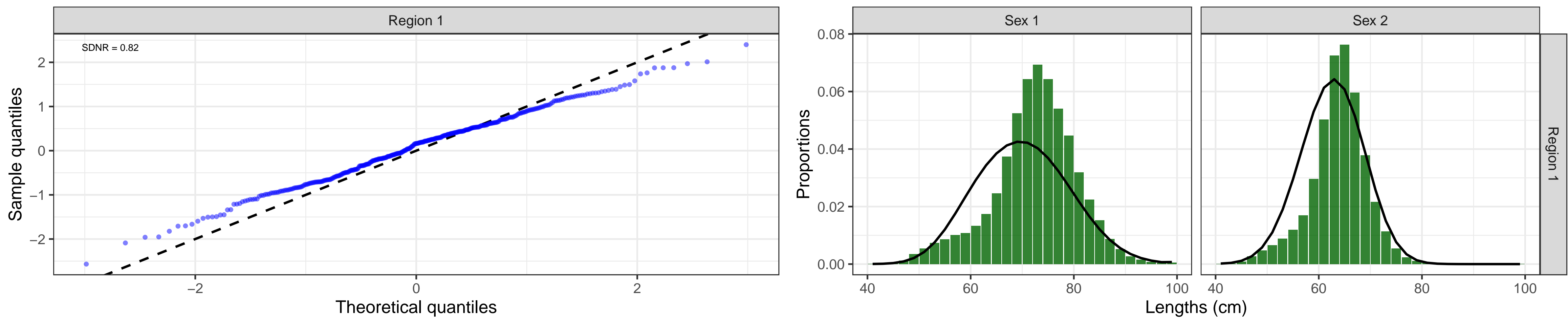
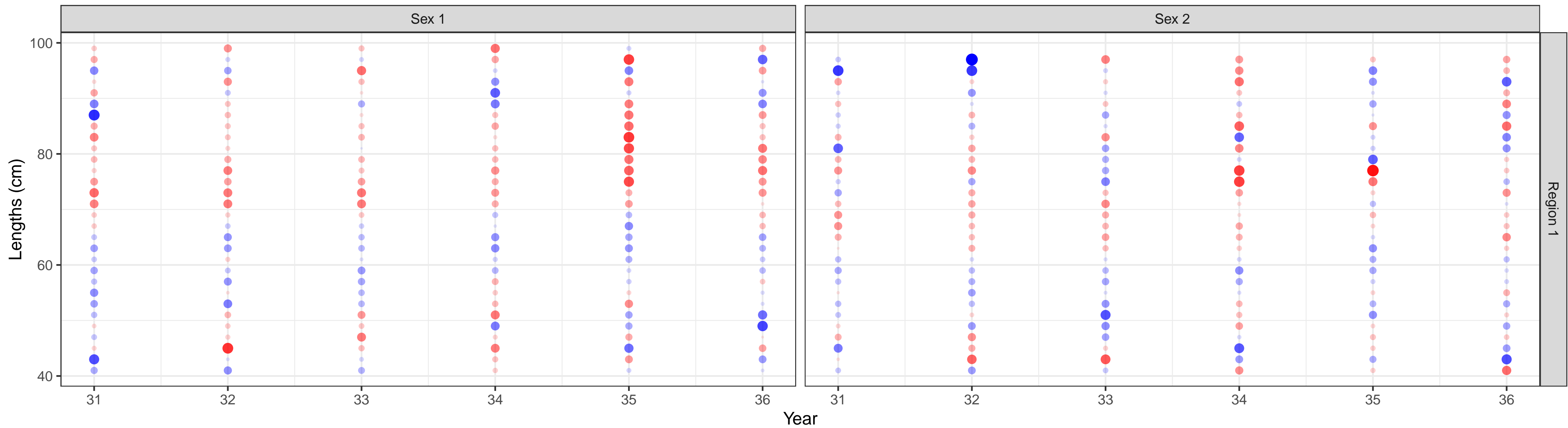




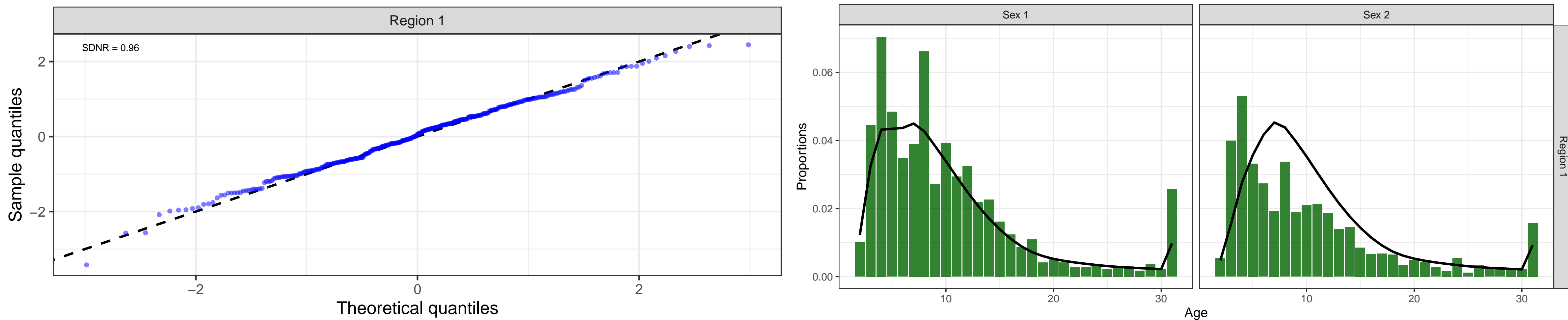
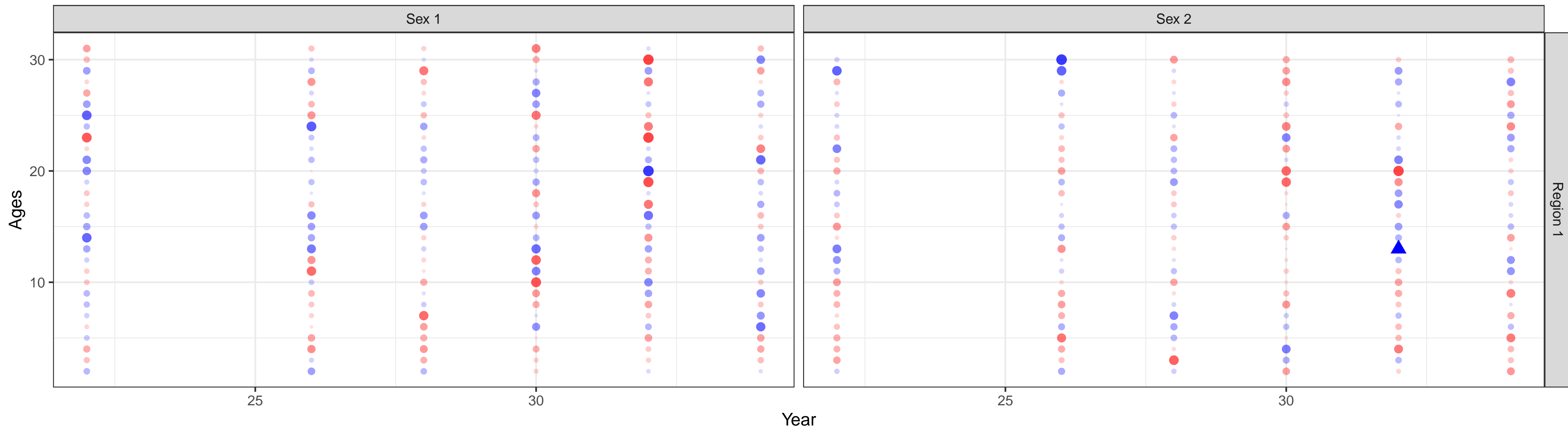


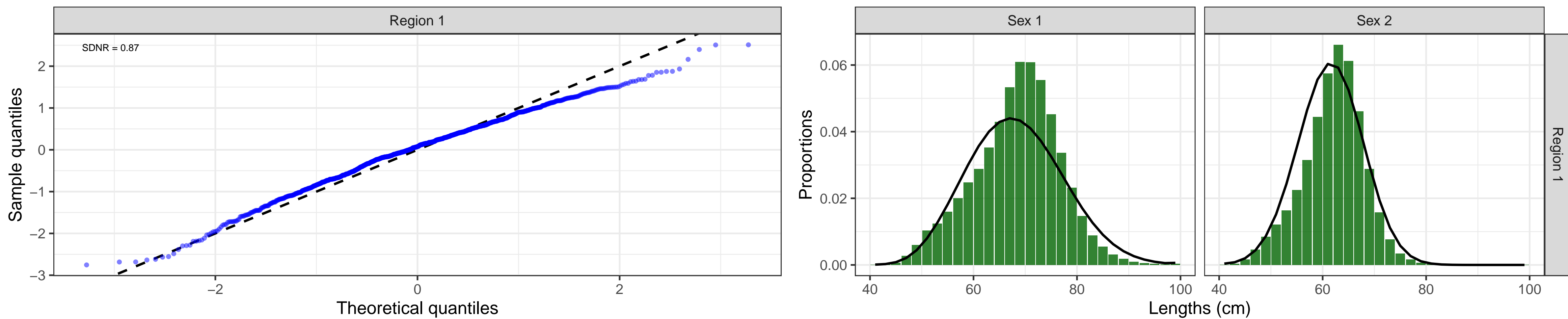
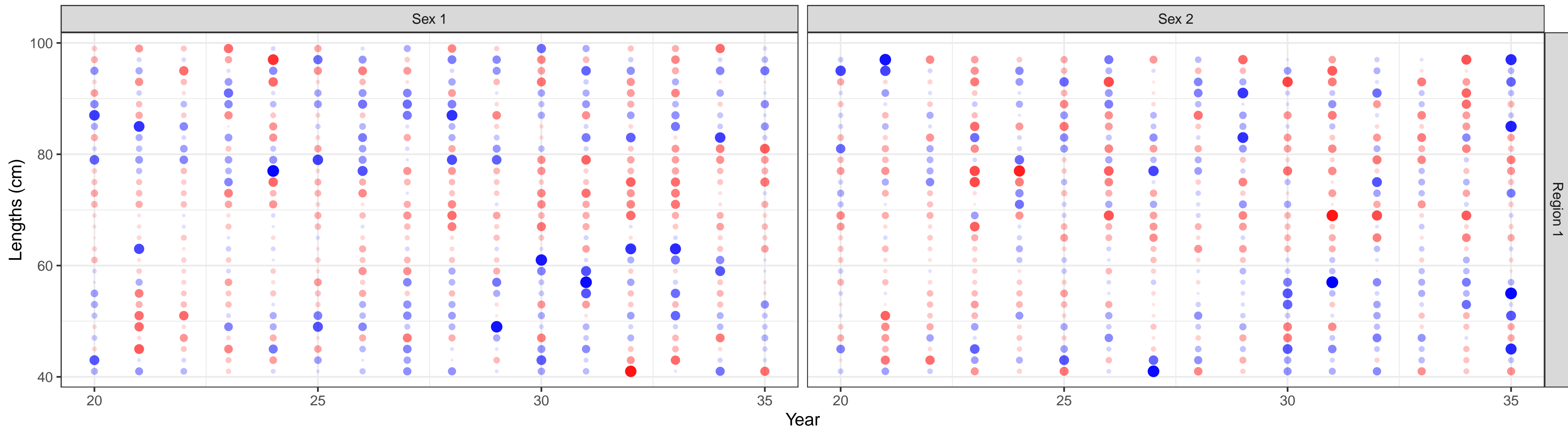


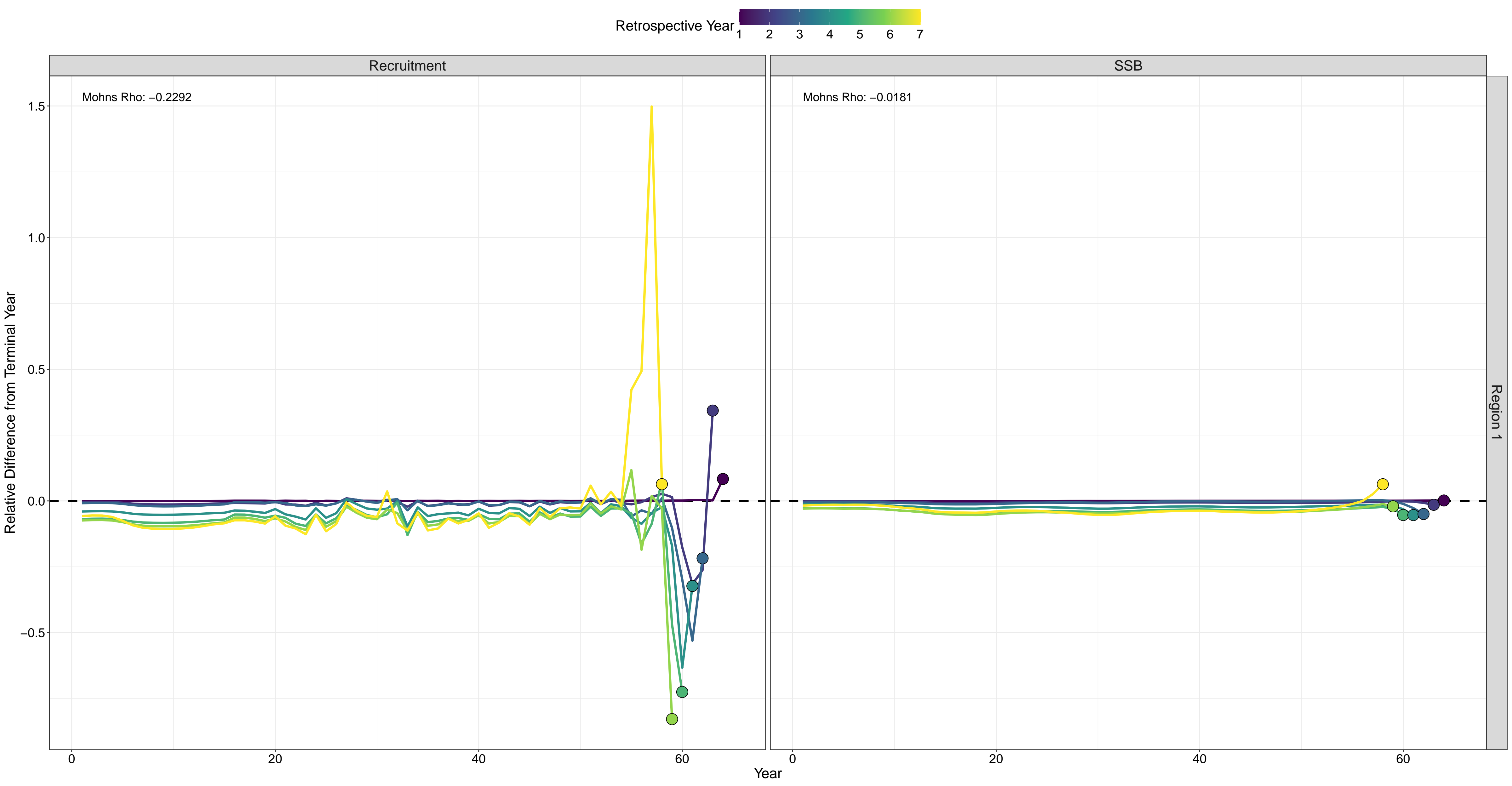


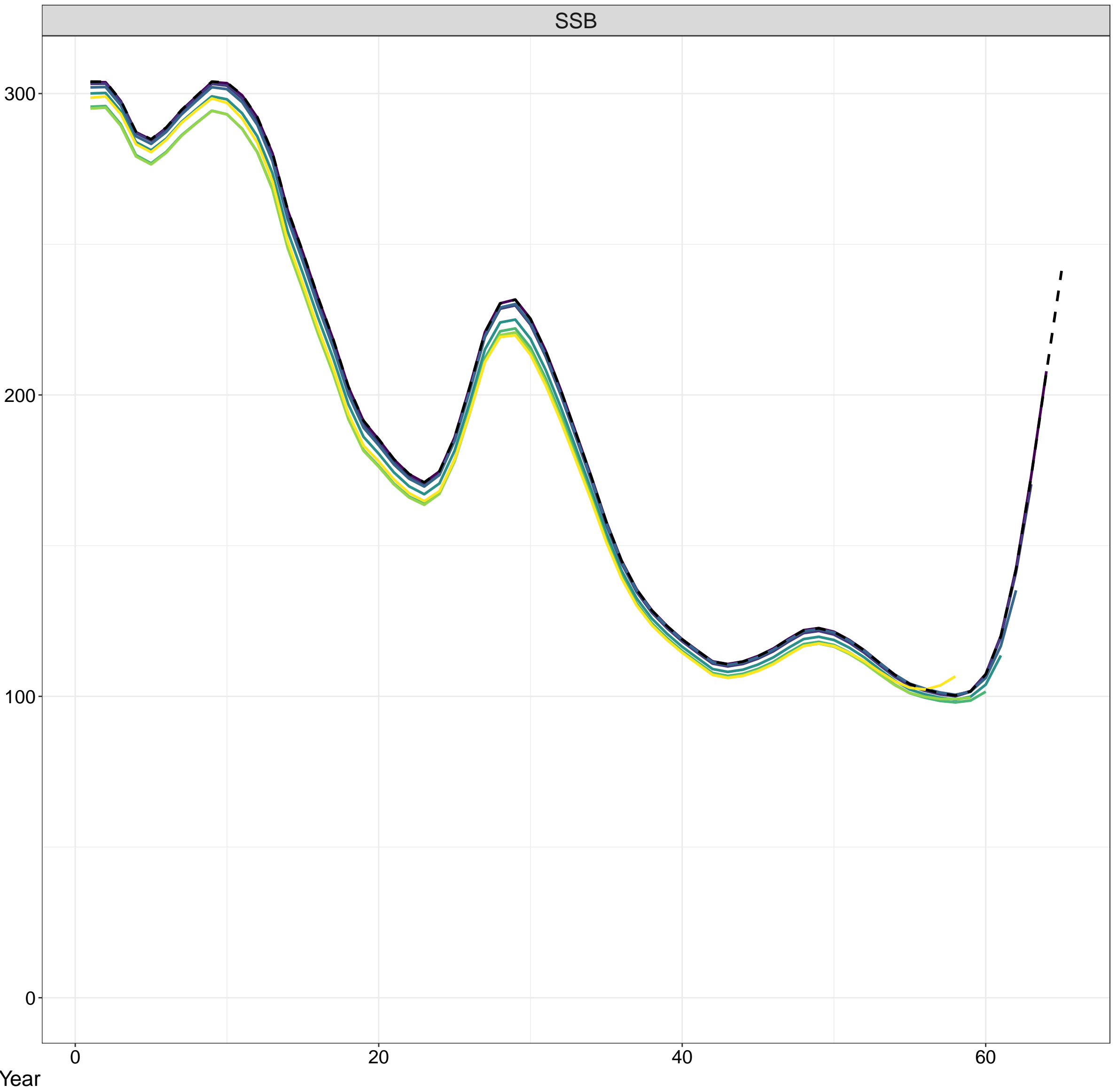
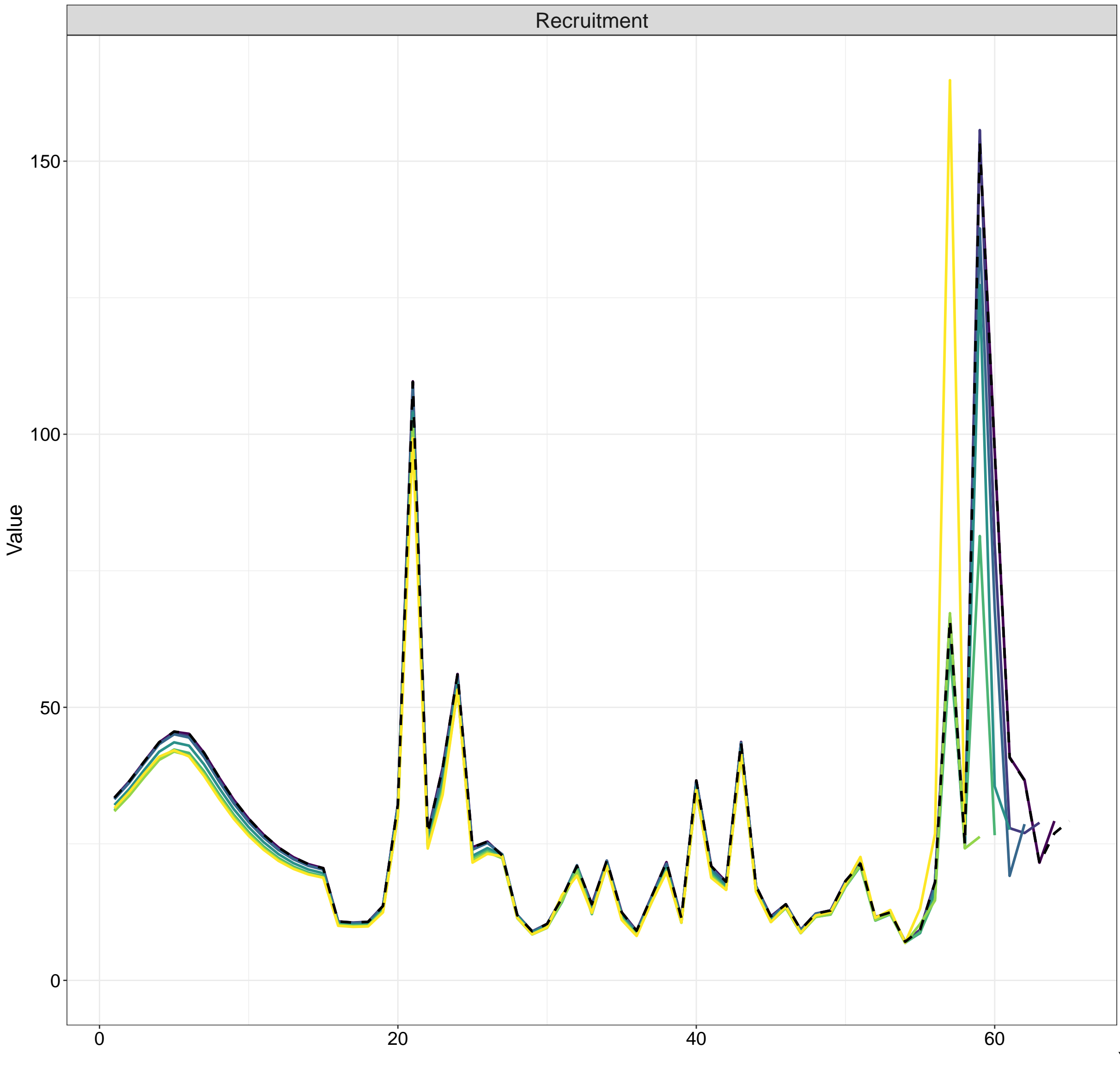


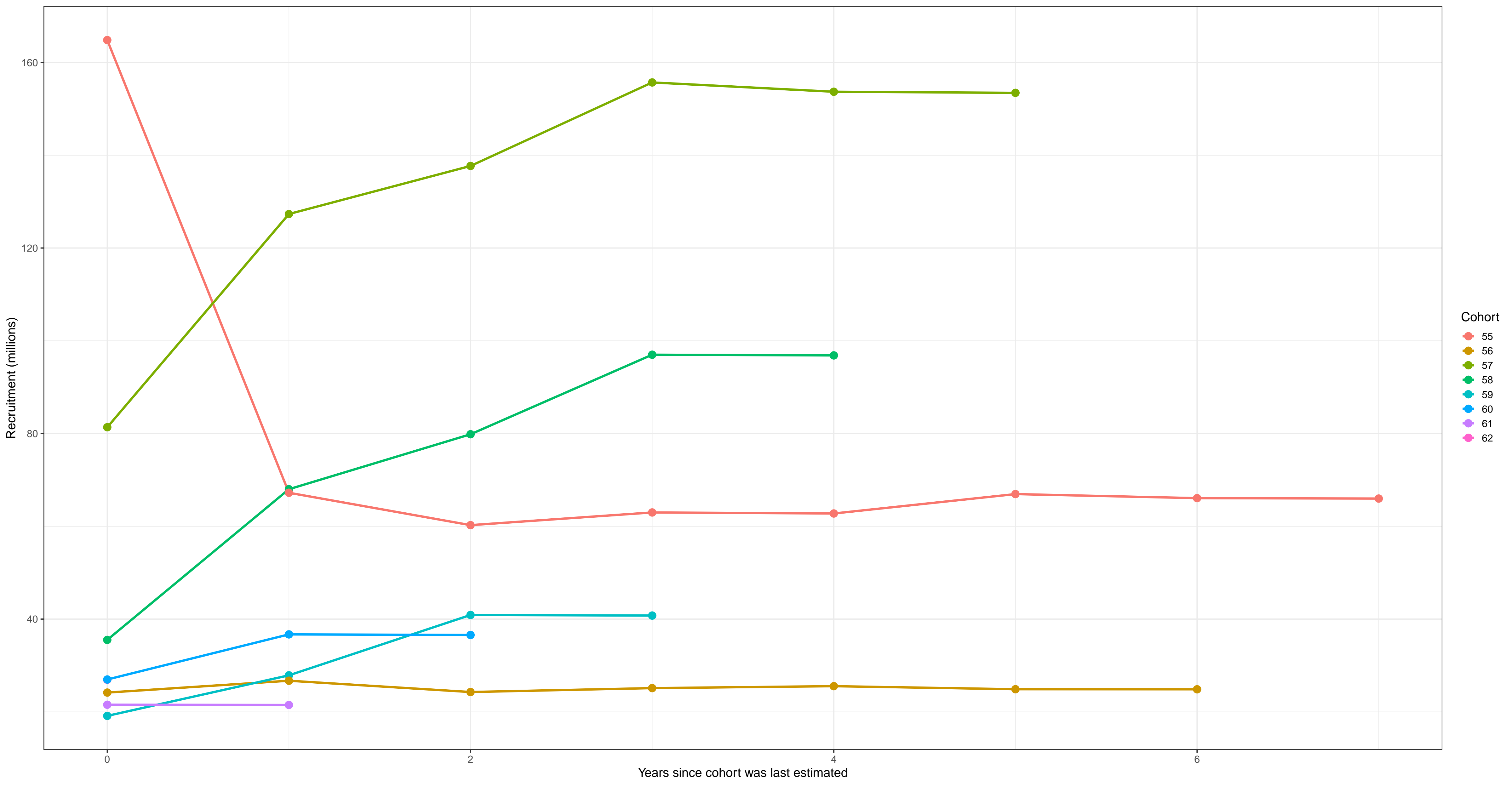
abs(Resid) ● 1 ● 2 ● 3 Sign ● Neg ● Pos Outlier ● No ▲ Yes



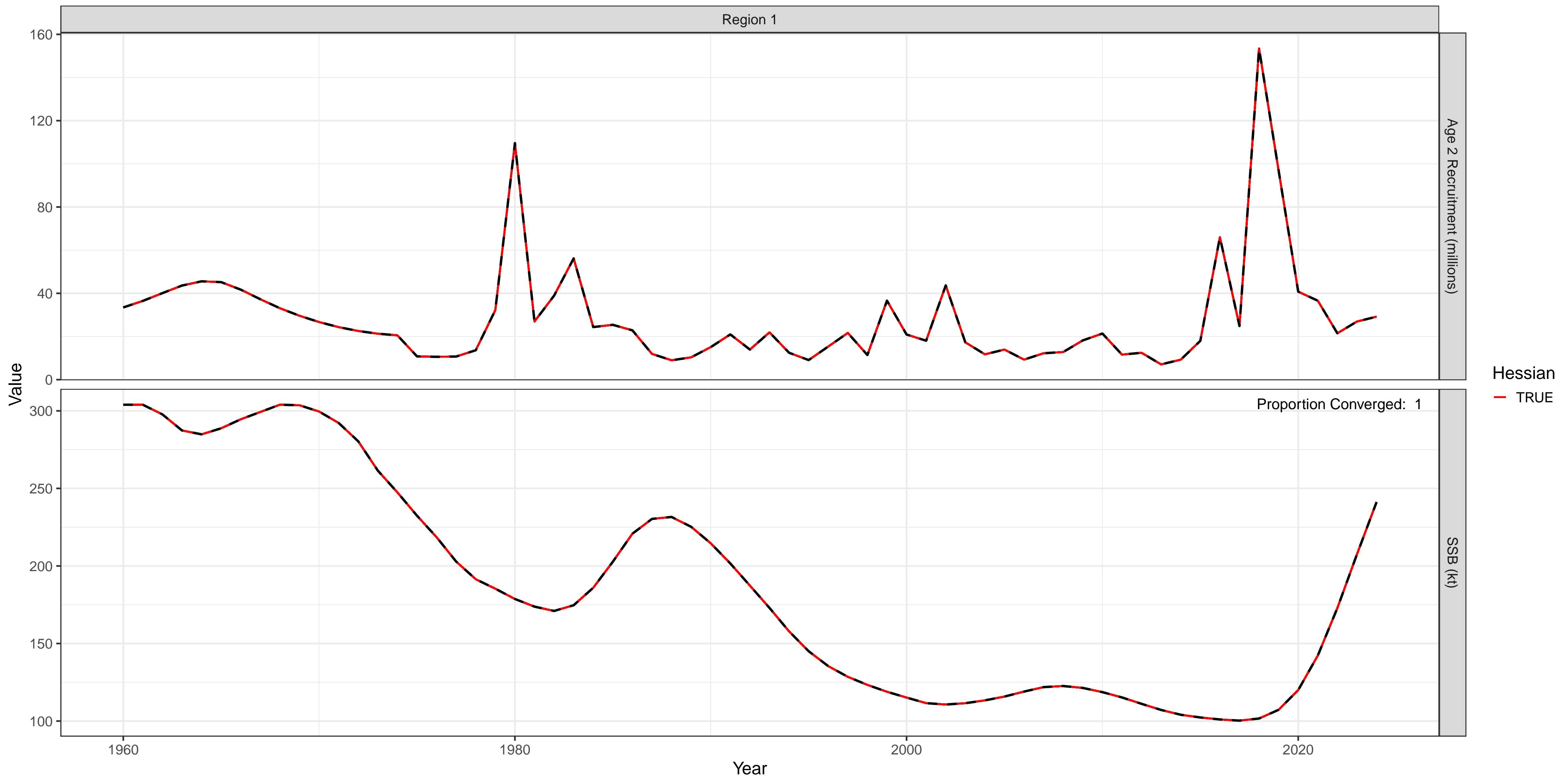




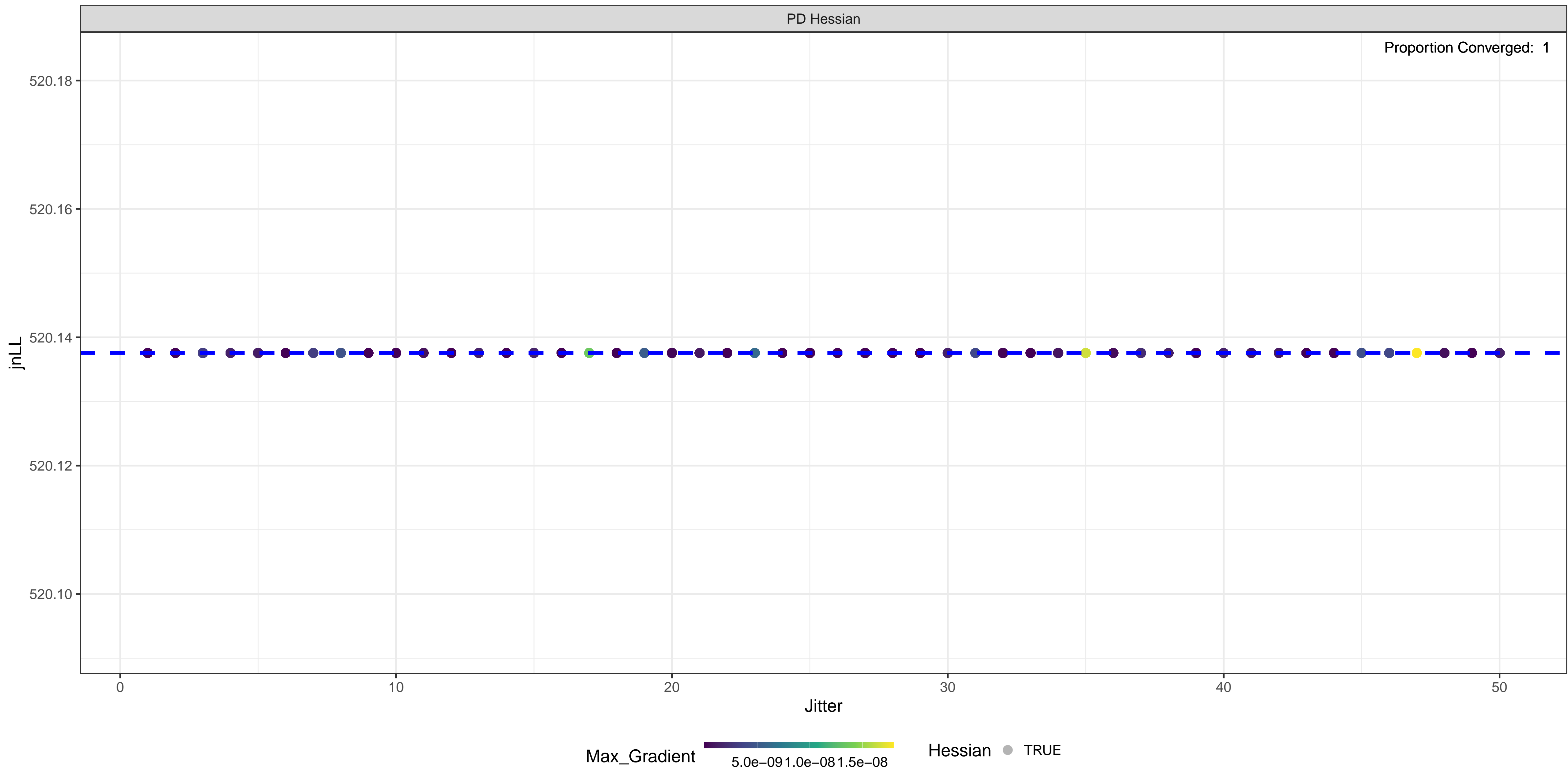




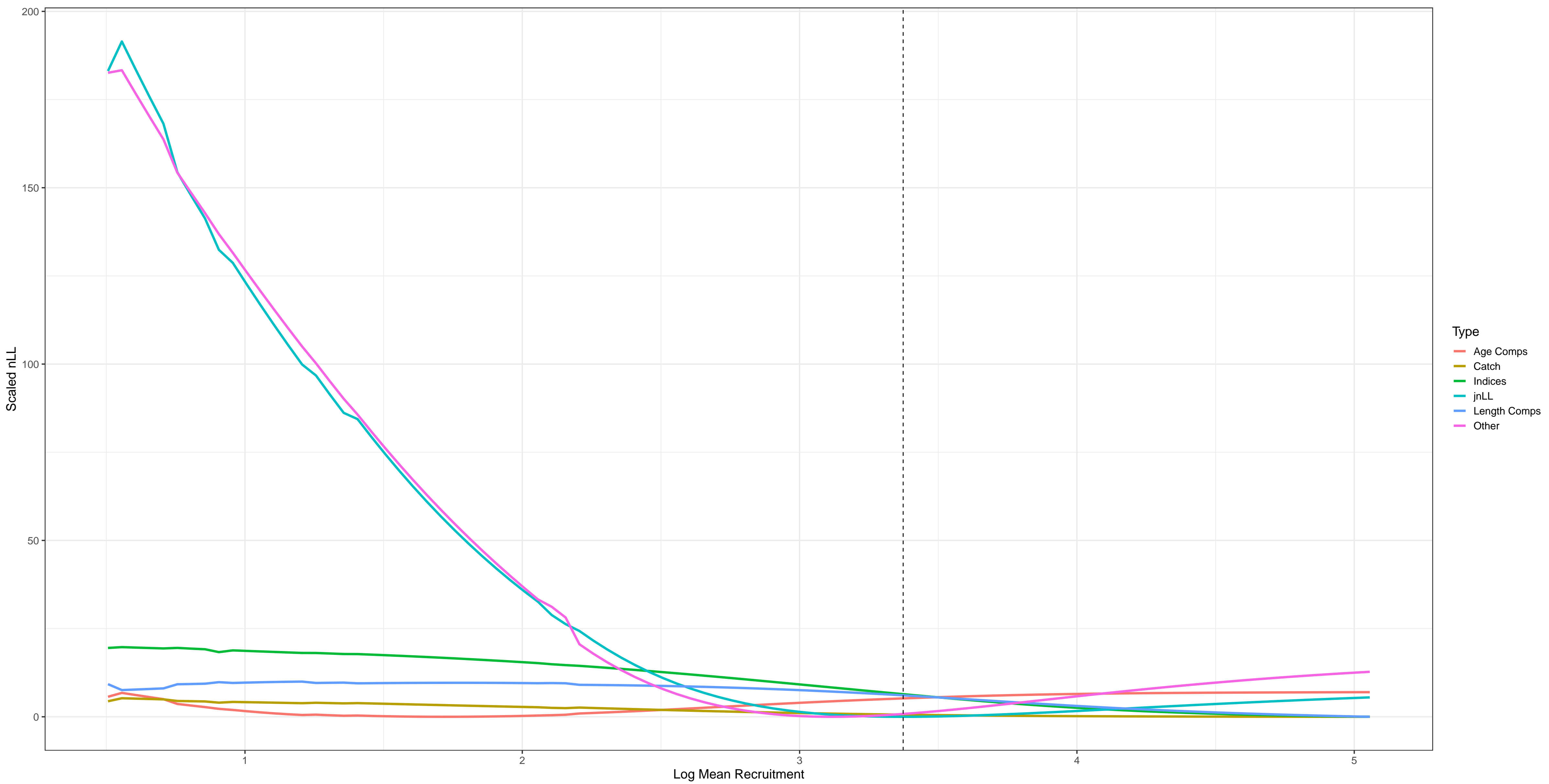
Jitter SSB and Recruitment



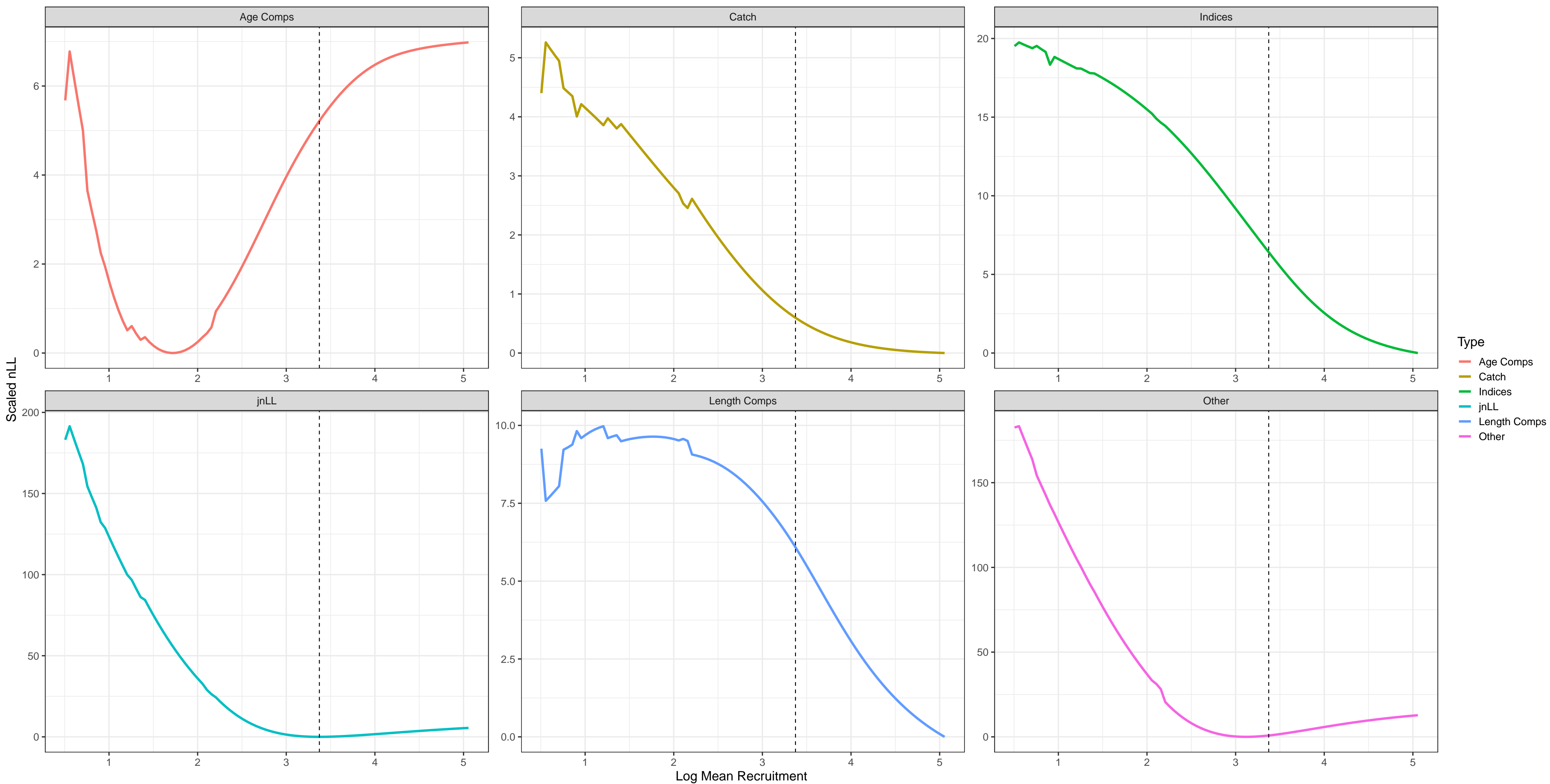
Jitter nLL and Convergence



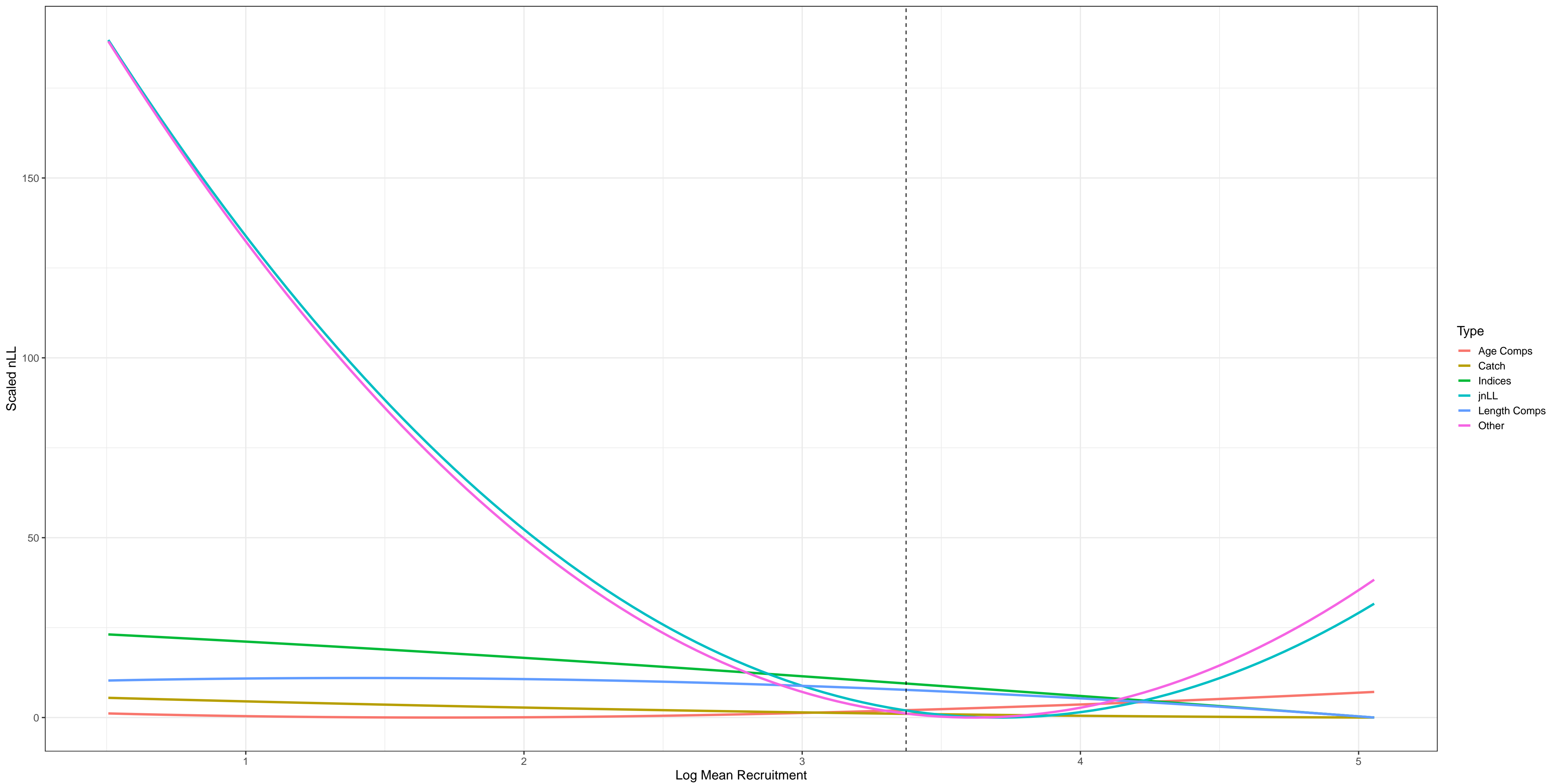
Profile Likelihood R0



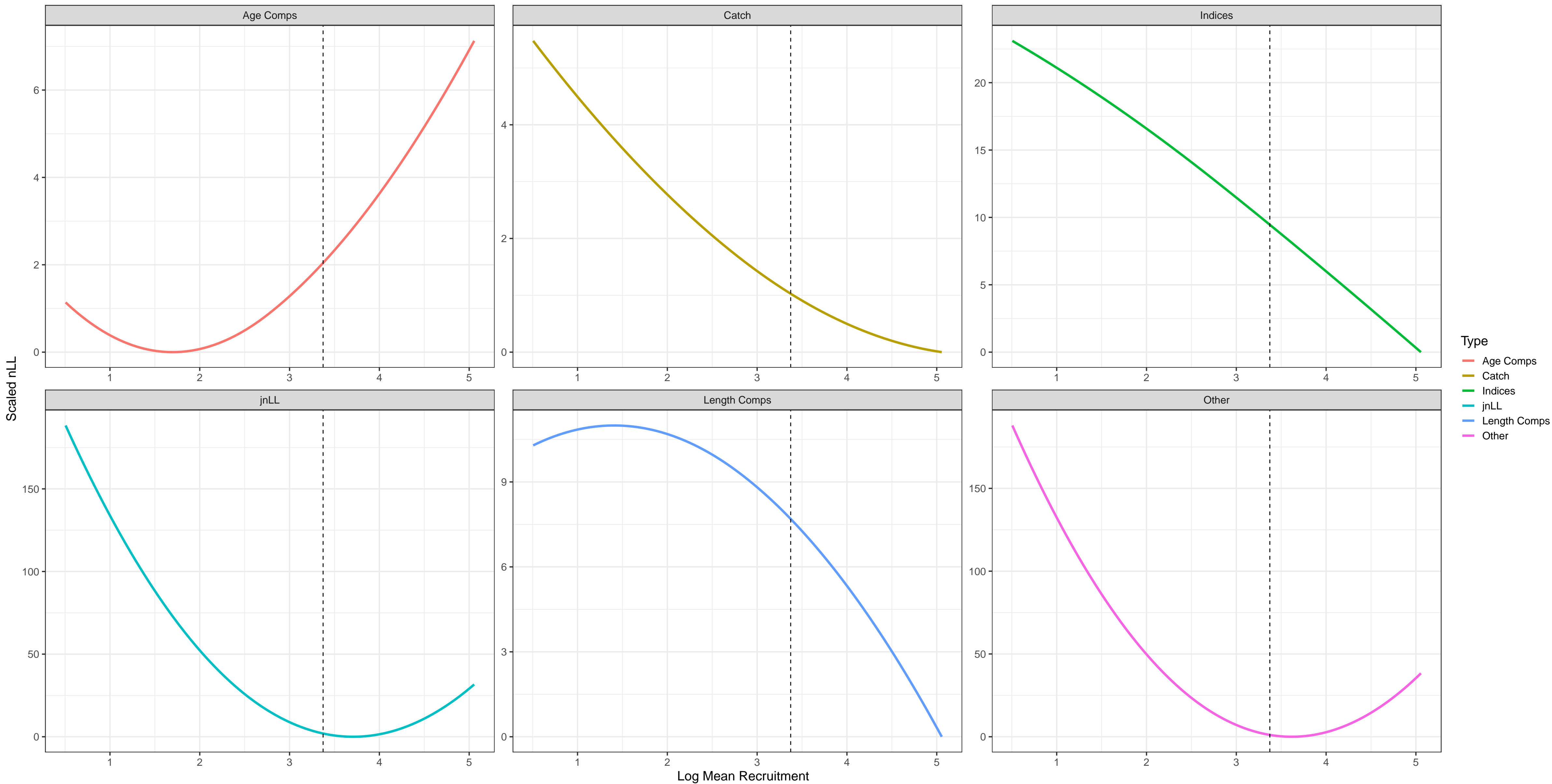
Profile Likelihood R0



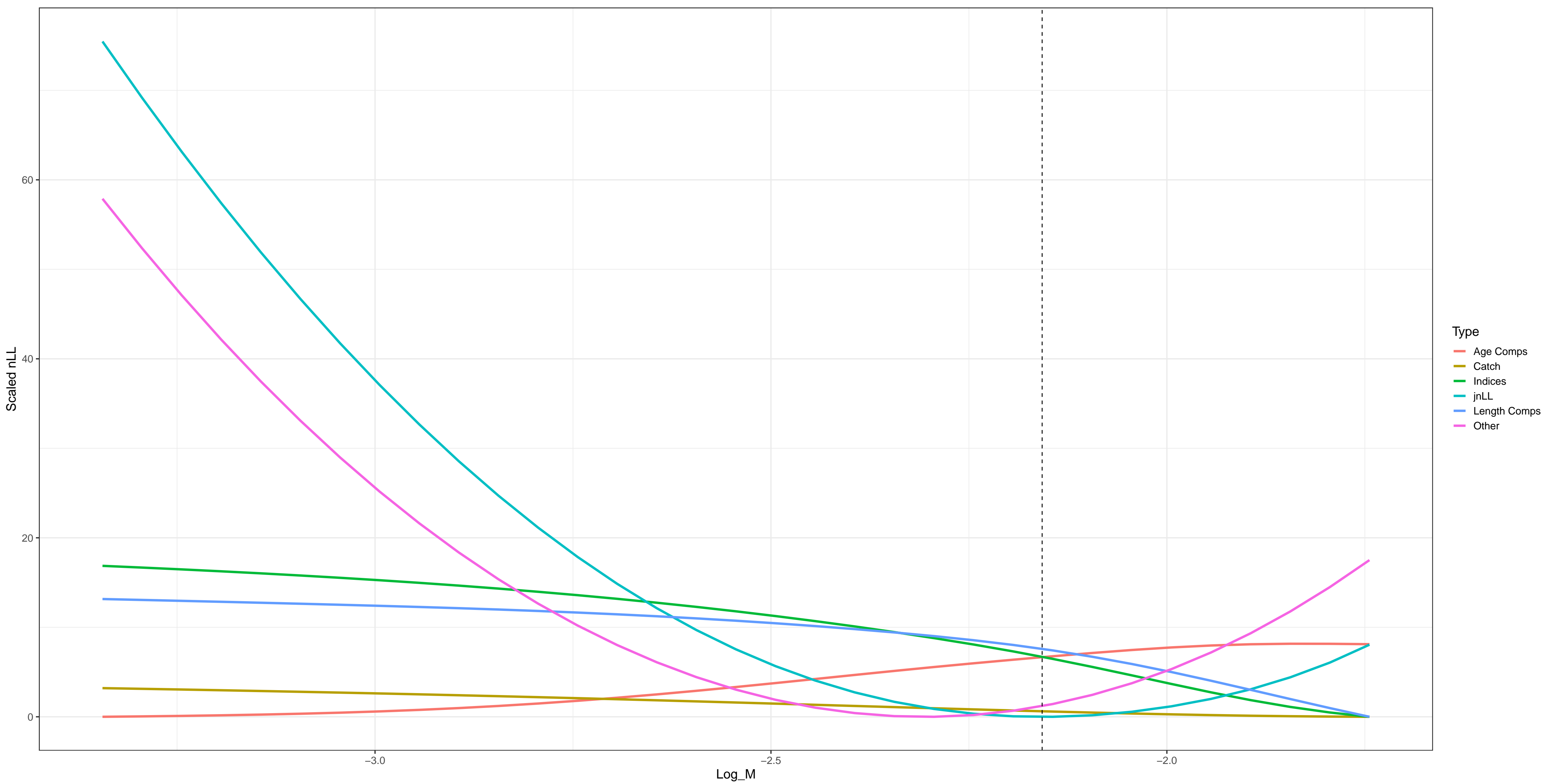
Profile Likelihood R0



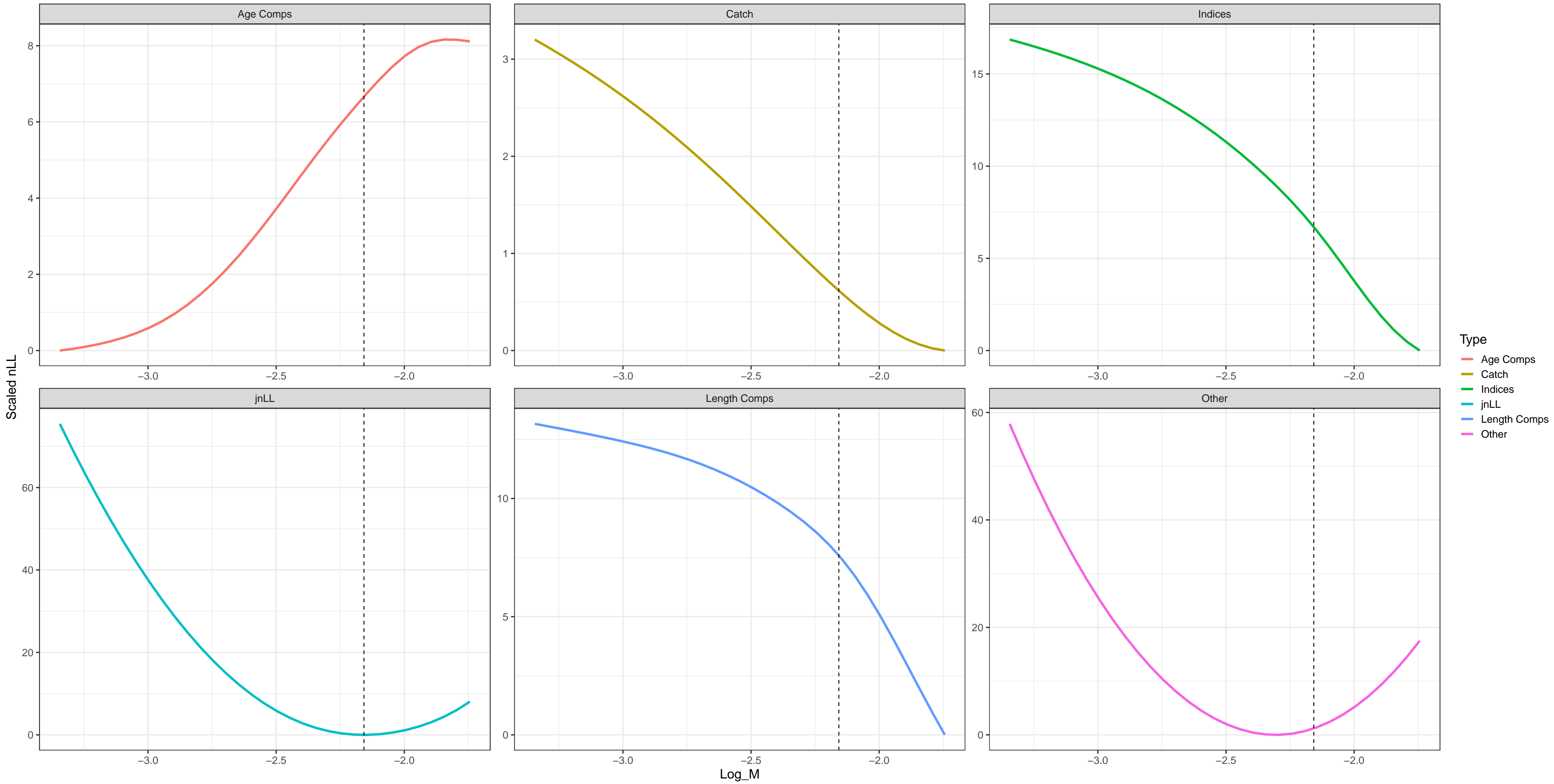
Profile Likelihood R0



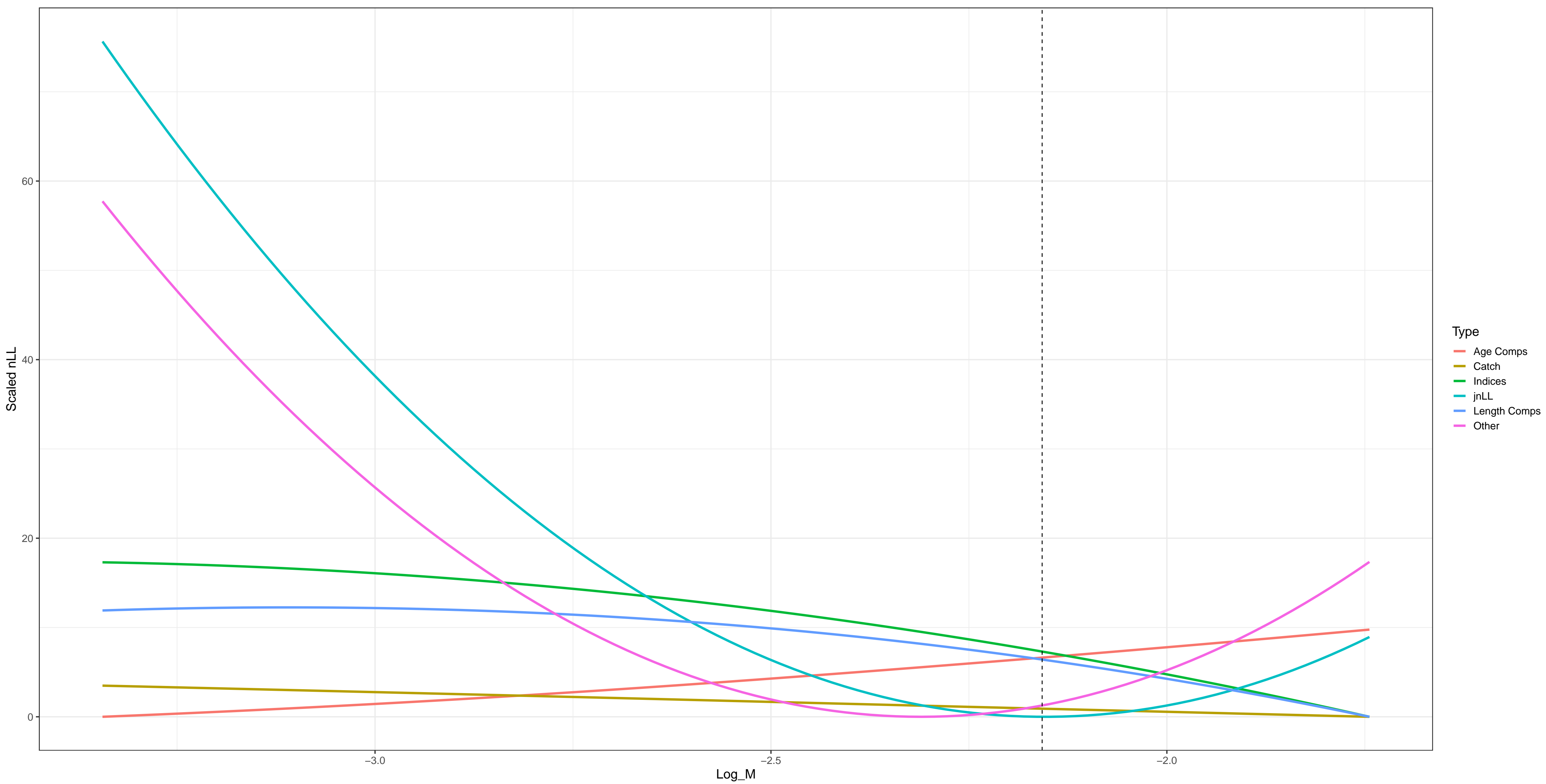
Profile Likelihood M



Profile Likelihood M



Profile Likelihood M



Profile Likelihood M

