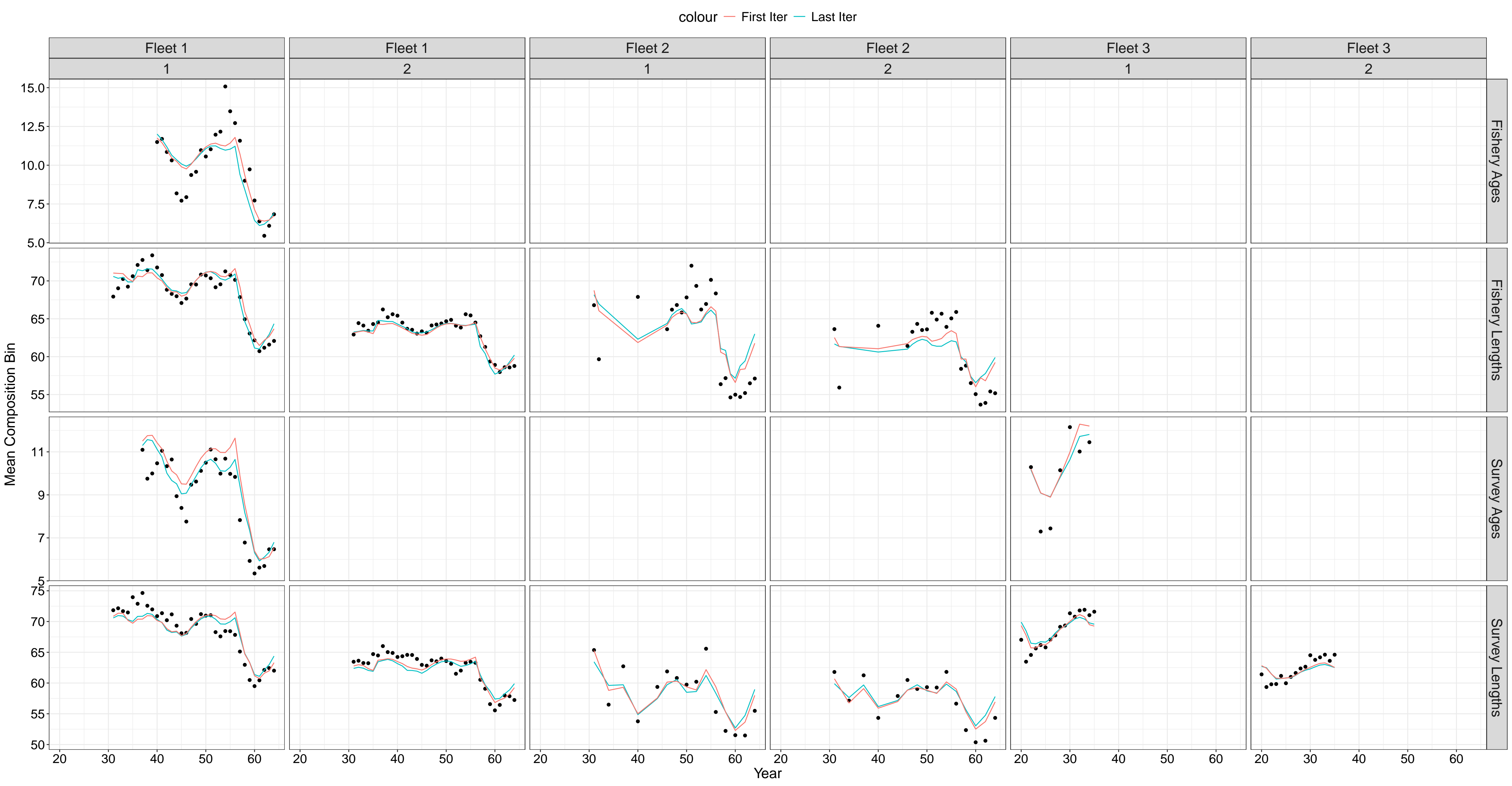
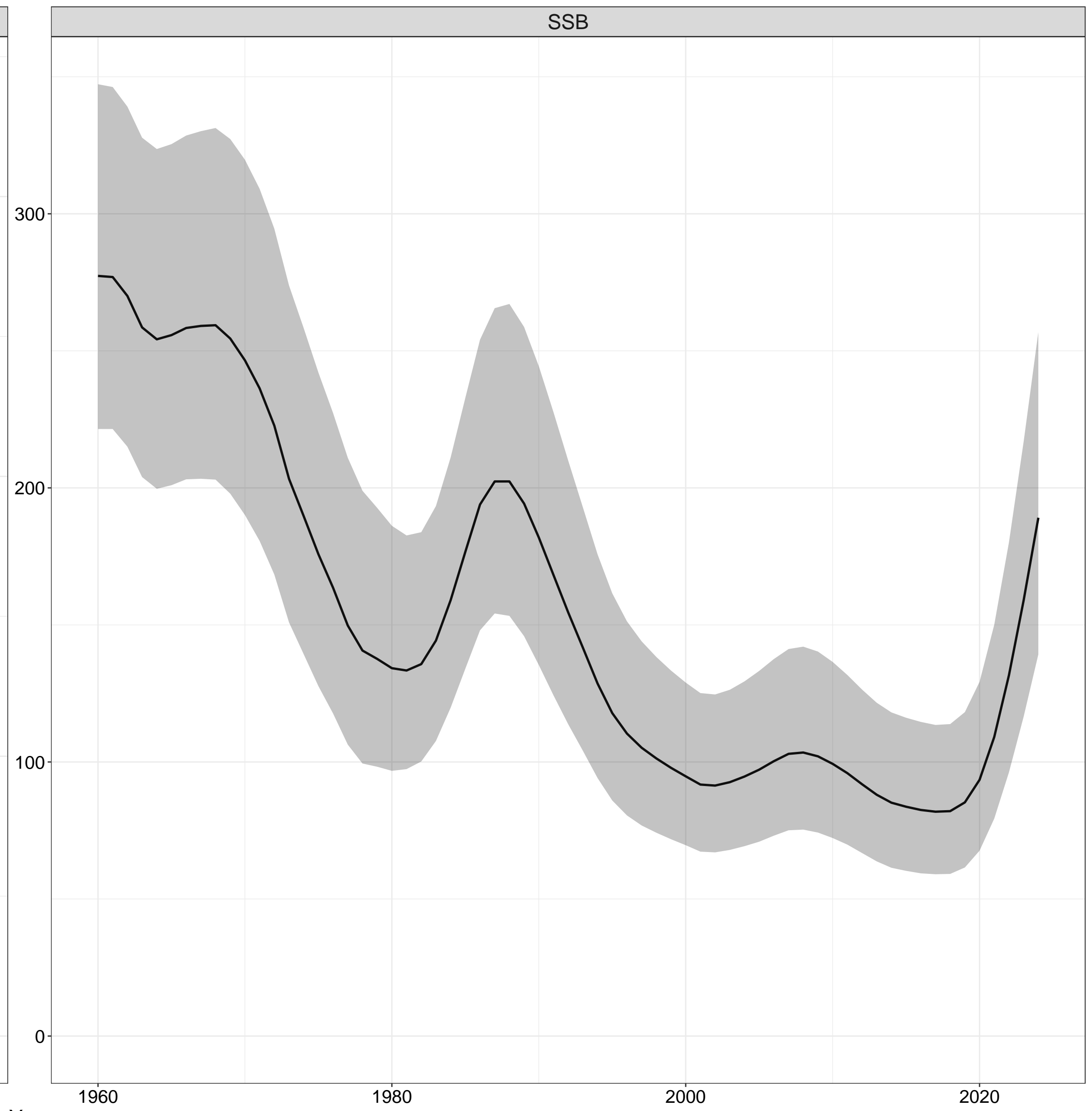
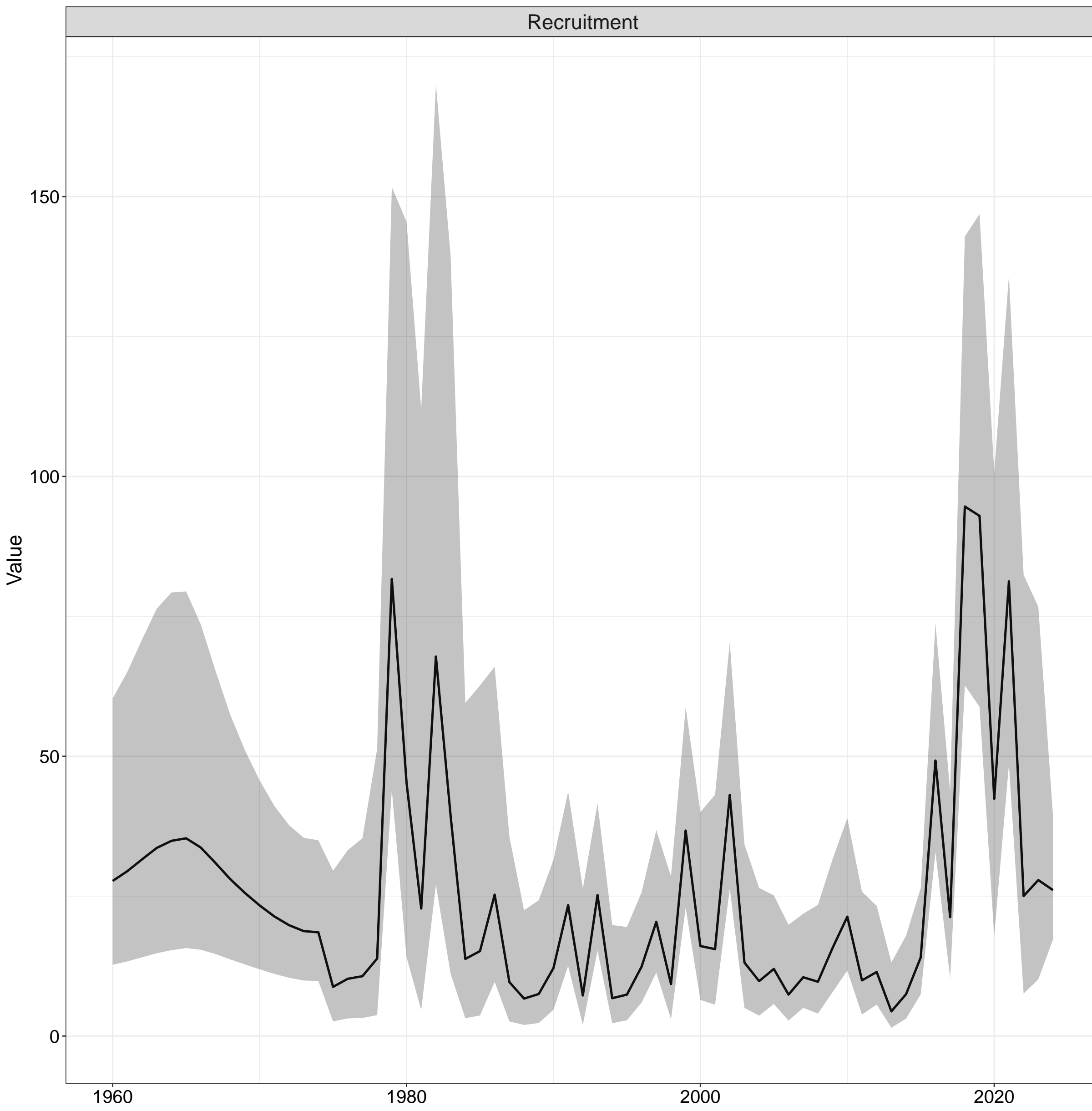


	Comp_Type	Init_Weight	Final_Weight
1	LLF_Age_F	0.8261073	0.8268083
2	LLF_Age_M	NA	NA
3	LLS_Age_F	3.7922454	3.7935212
4	LLS_Age_M	NA	NA
5	JPN_LLS_Age_F	1.3168111	1.3128391
6	JPN_LLS_Age_M	NA	NA
7	LLF_Len_F	4.1837057	4.1856862
8	LLF_Len_M	4.2696935	4.2801052
9	TF_Len_F	0.3164859	0.3189437
10	TF_Len_M	0.2293966	0.2285334
11	LLS_Len_F	1.4379202	1.4348858
12	LLS_Len_M	1.0705376	1.0725459
13	TS_Len_F	0.6708833	0.6739530
14	TS_Len_M	0.4652071	0.4666434
15	JPN_LLS_Len_F	1.2777281	1.2901450
16	JPN_LLS_Len_M	0.8575195	0.8692071



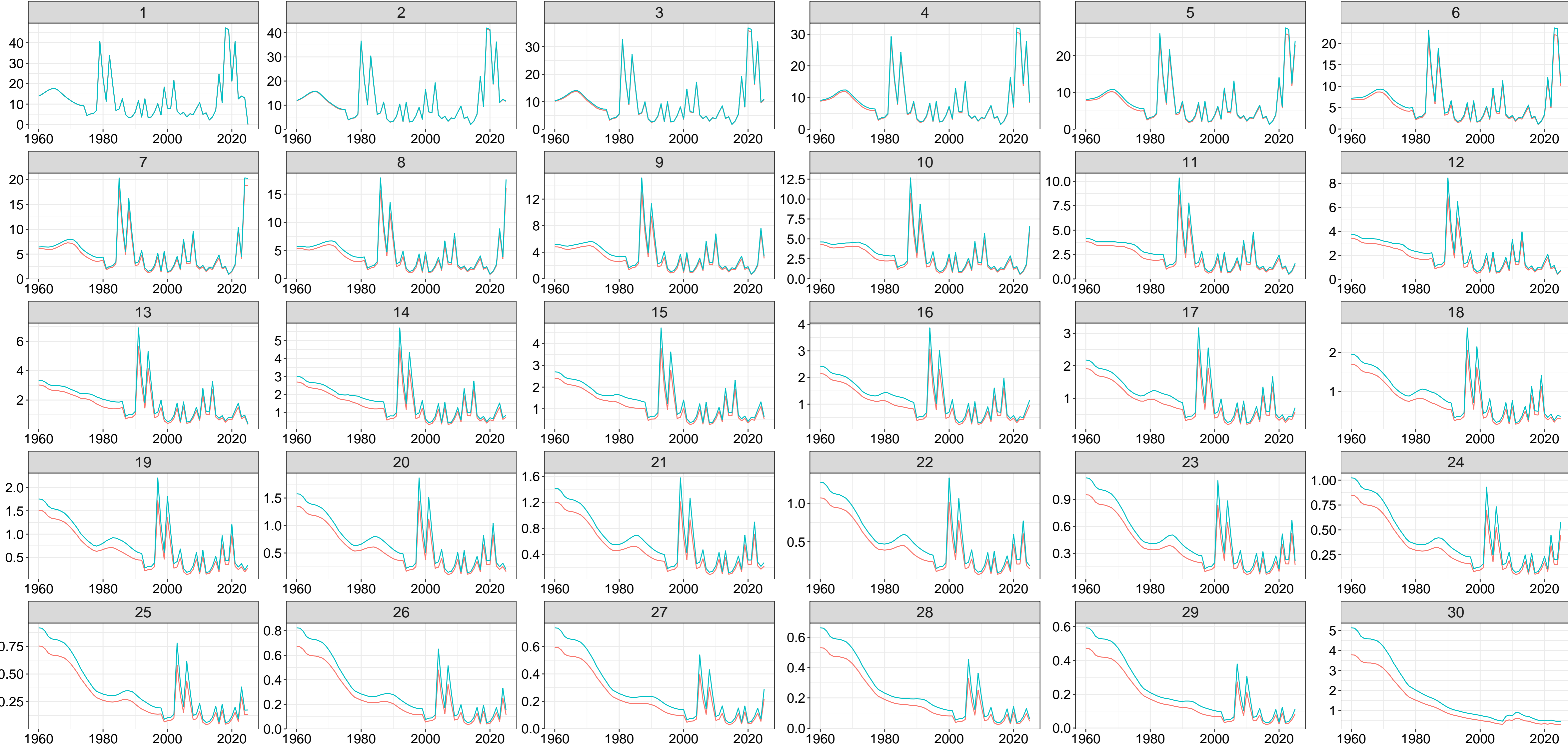
	Model	Region	Terminal_SSB	Terminal_F	Catch_Advice	B_Ref_Pt	F_Ref_Pt	B_over_B_Ref	F_over_F_Ref
1	1	1	189.10677	0.0403585738356384	49.70296	121.04033	0.08594	1.56235	0.46963



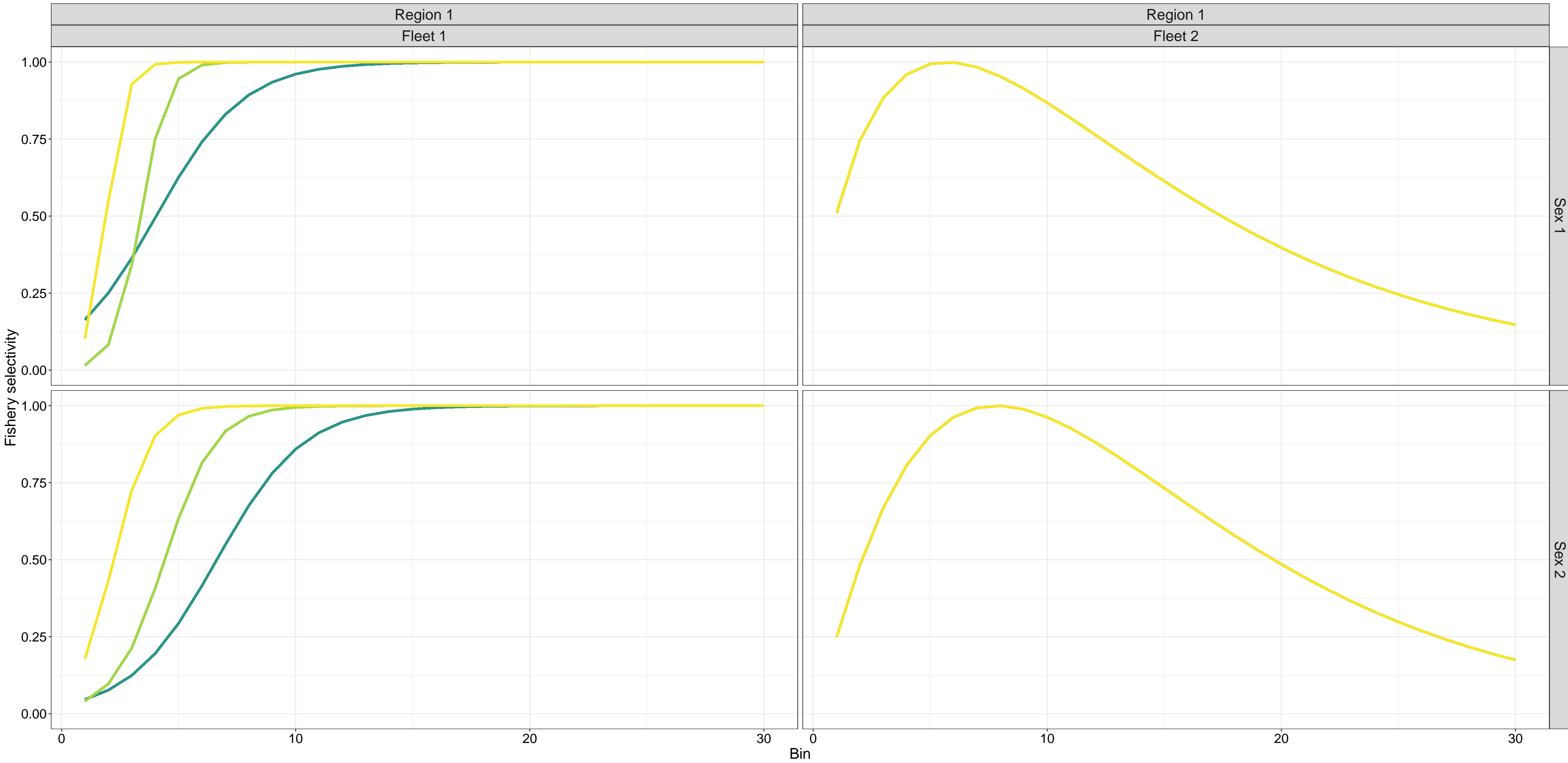
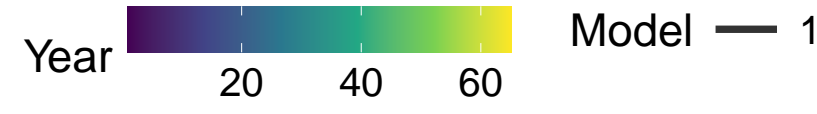
Numbers-at-Age

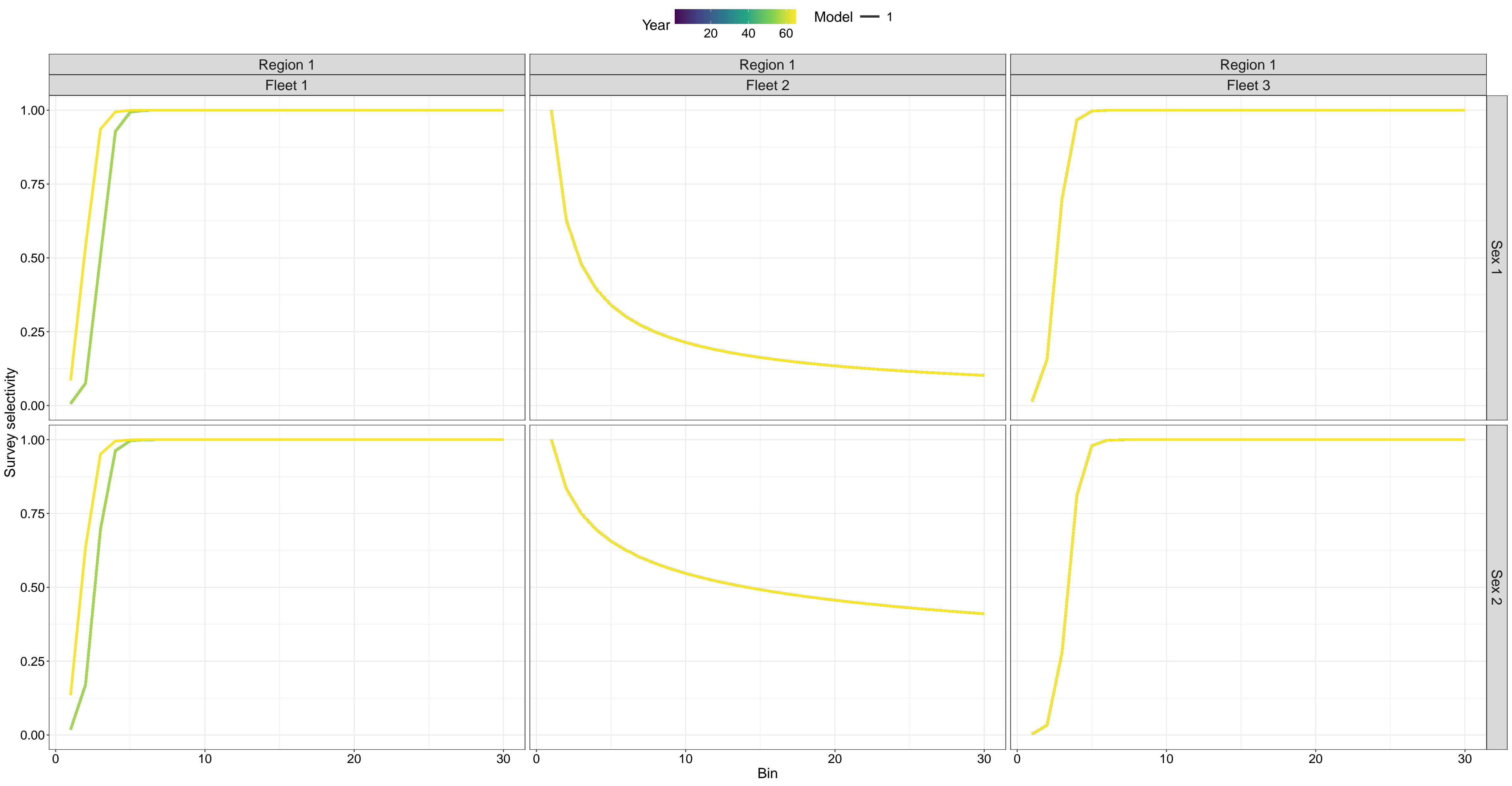
Sex — Female — Male

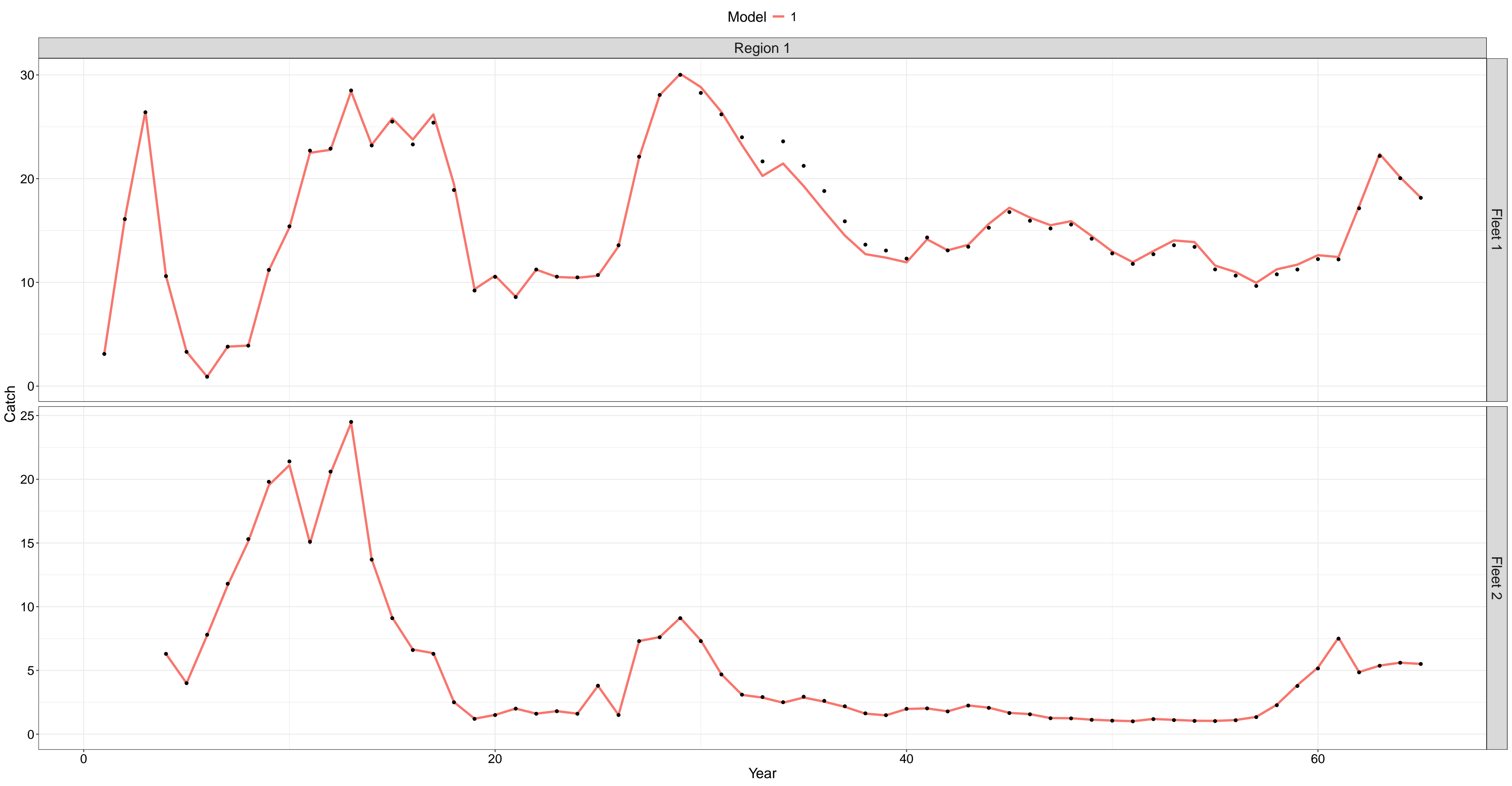
Numbers-at-age (millions)



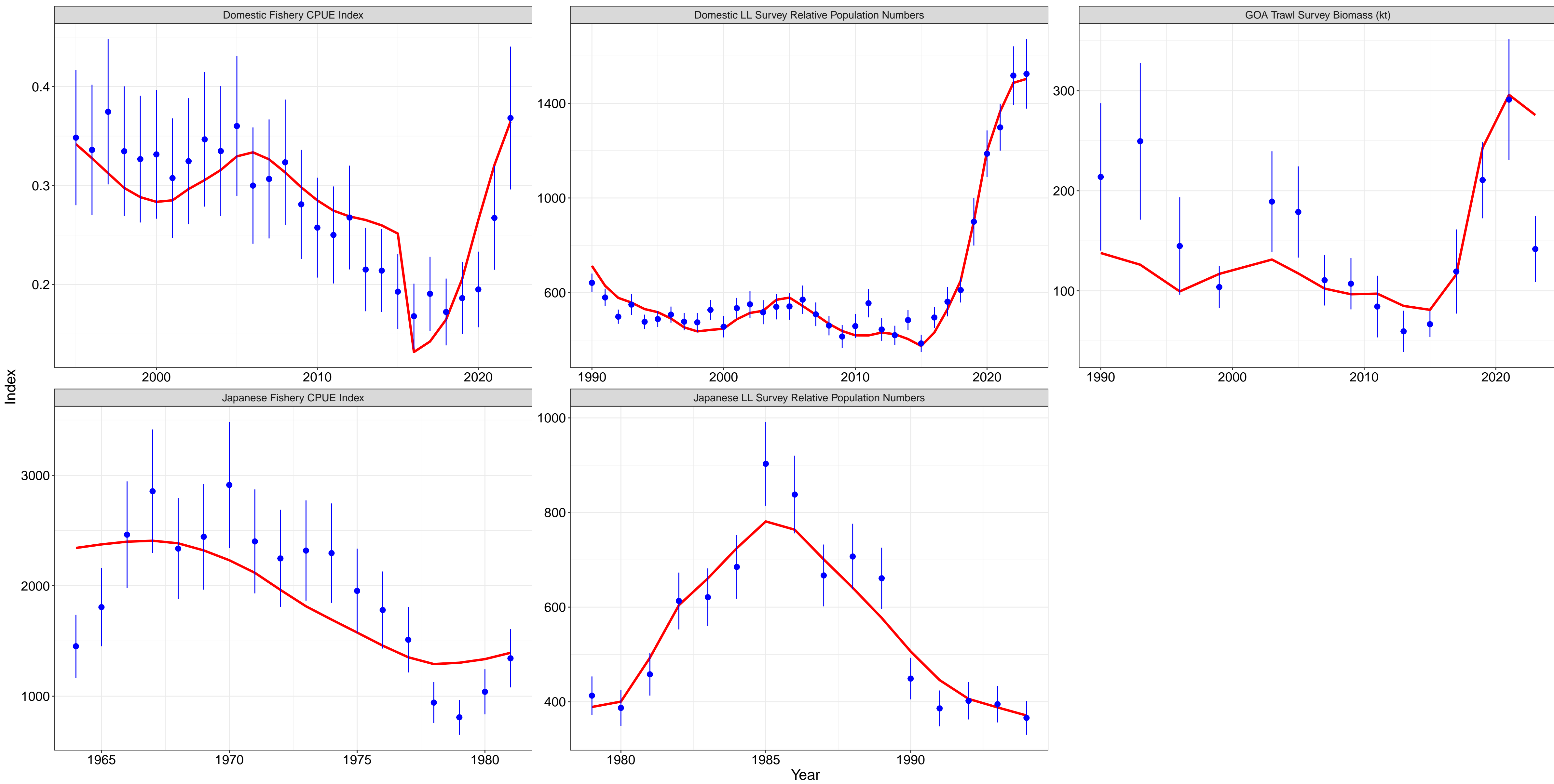
Year



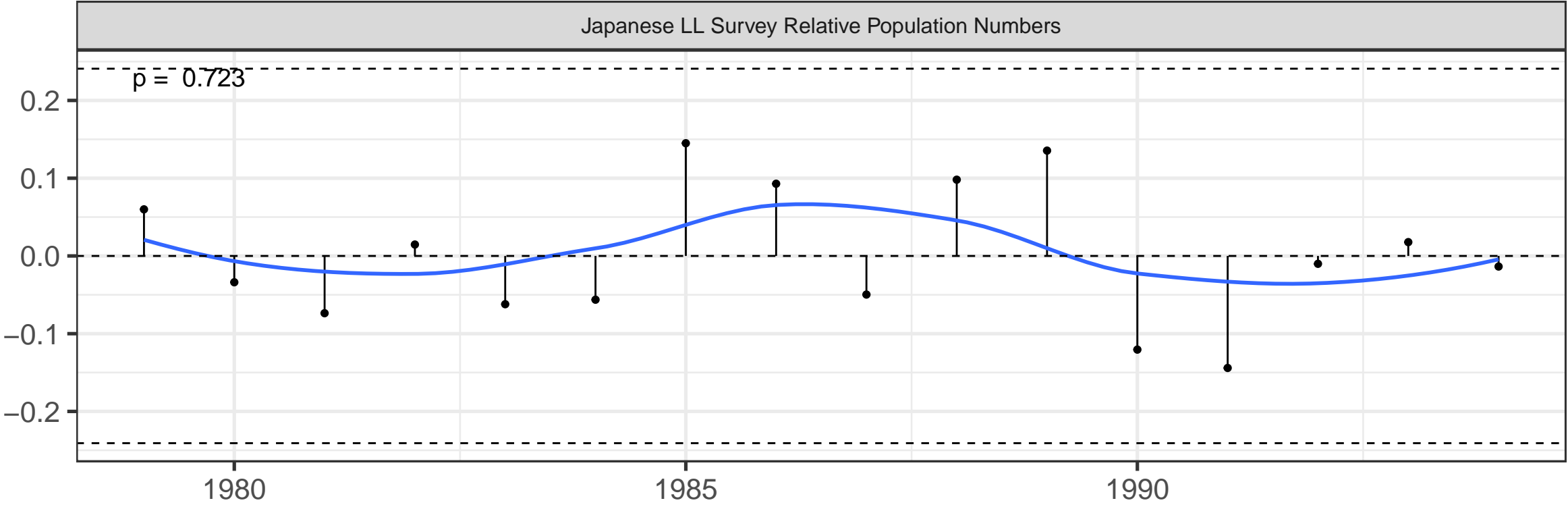
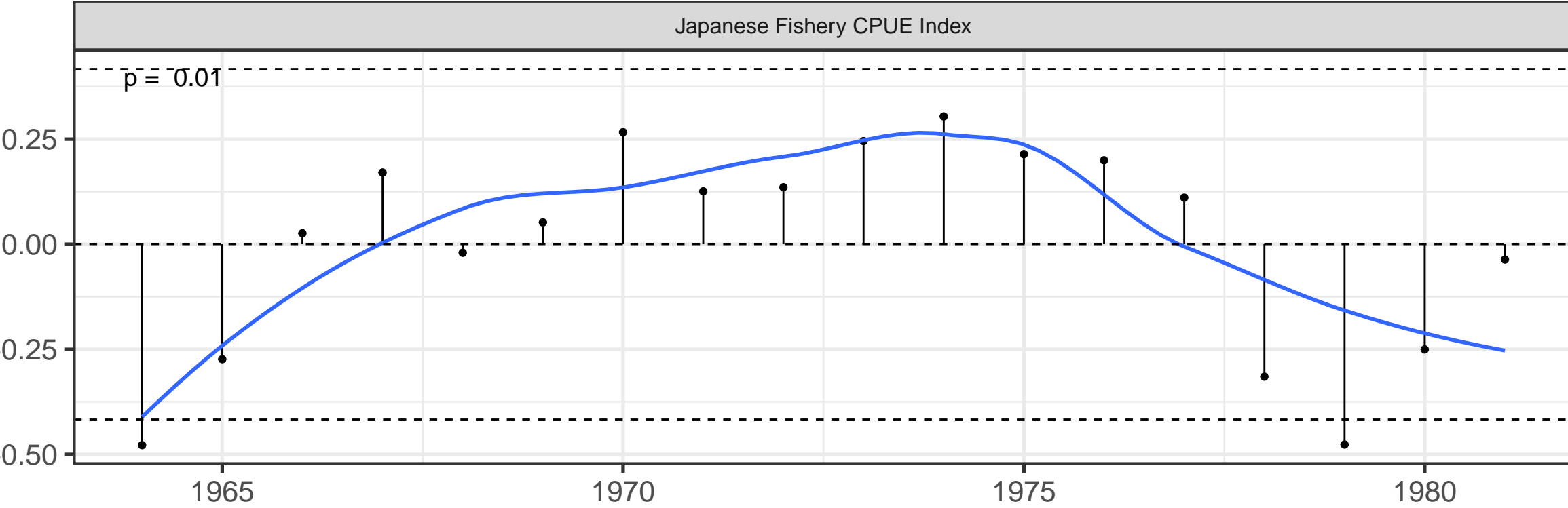
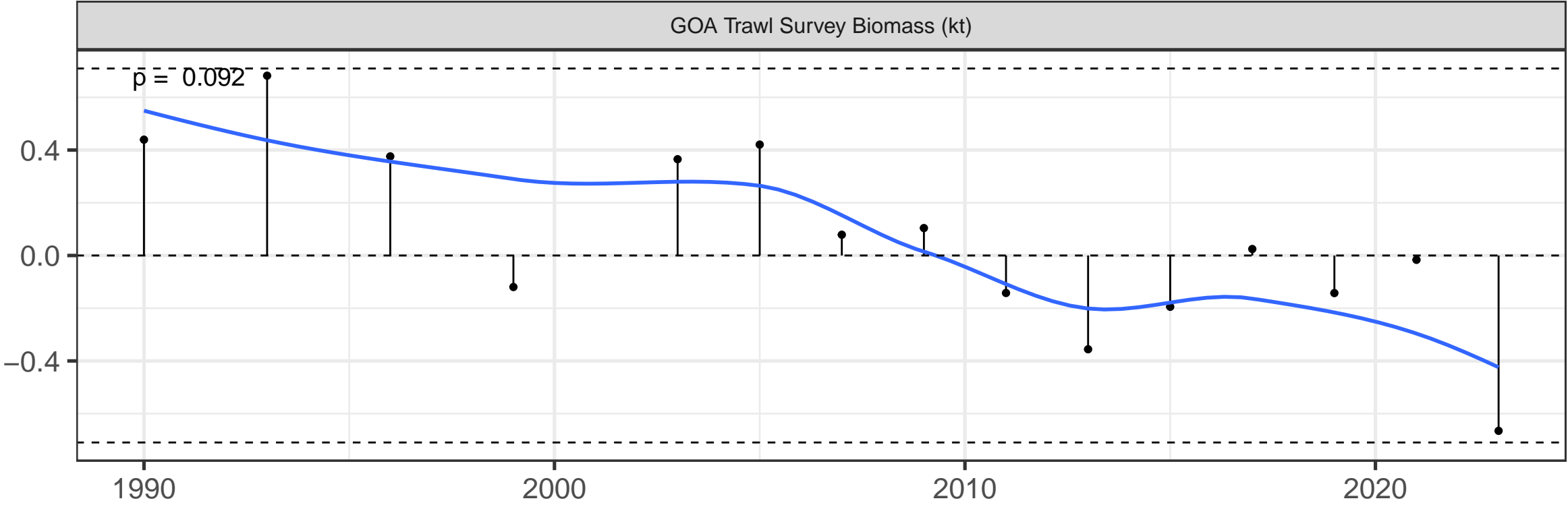
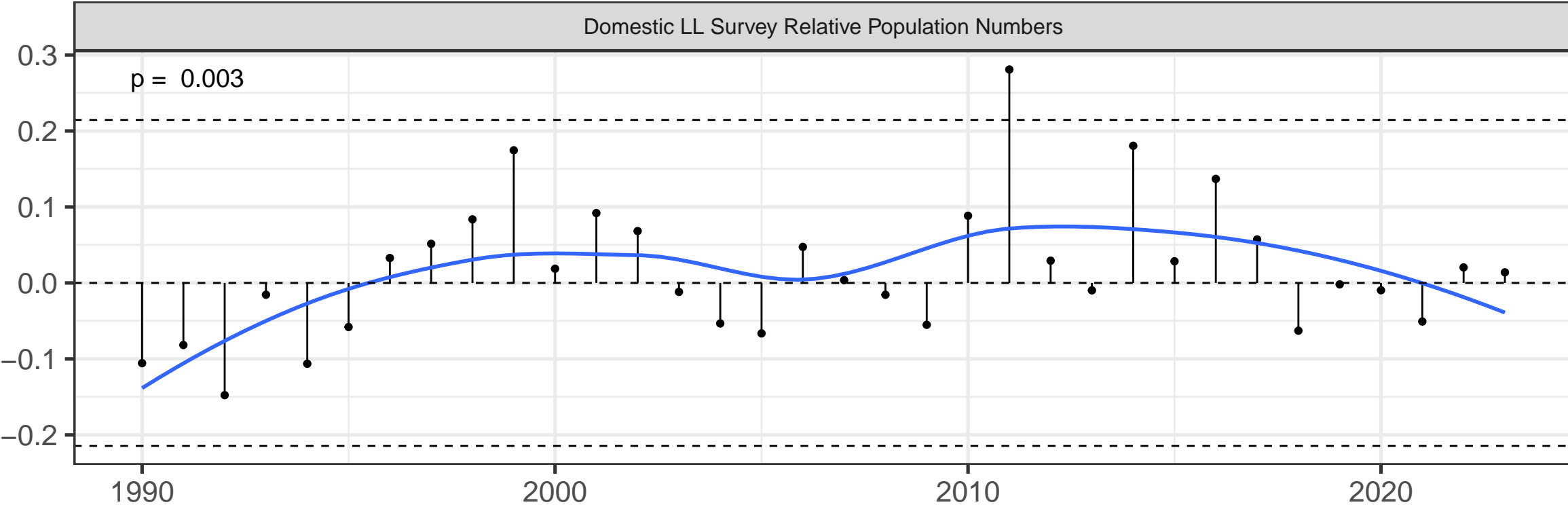
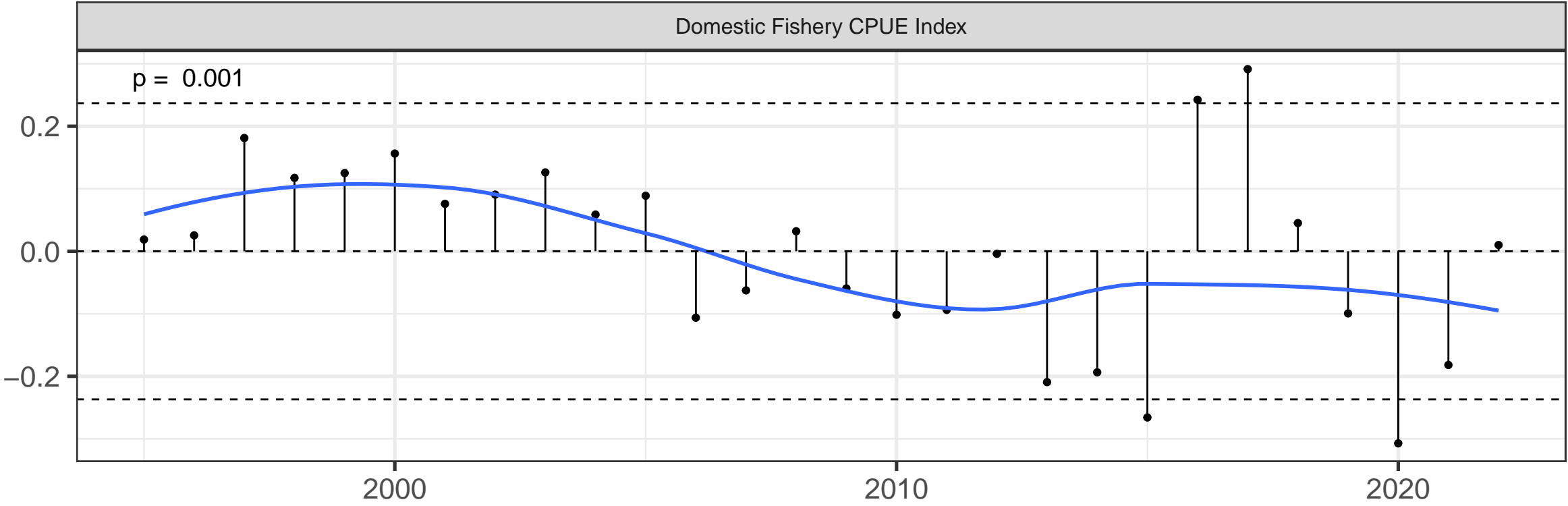




Index Fits

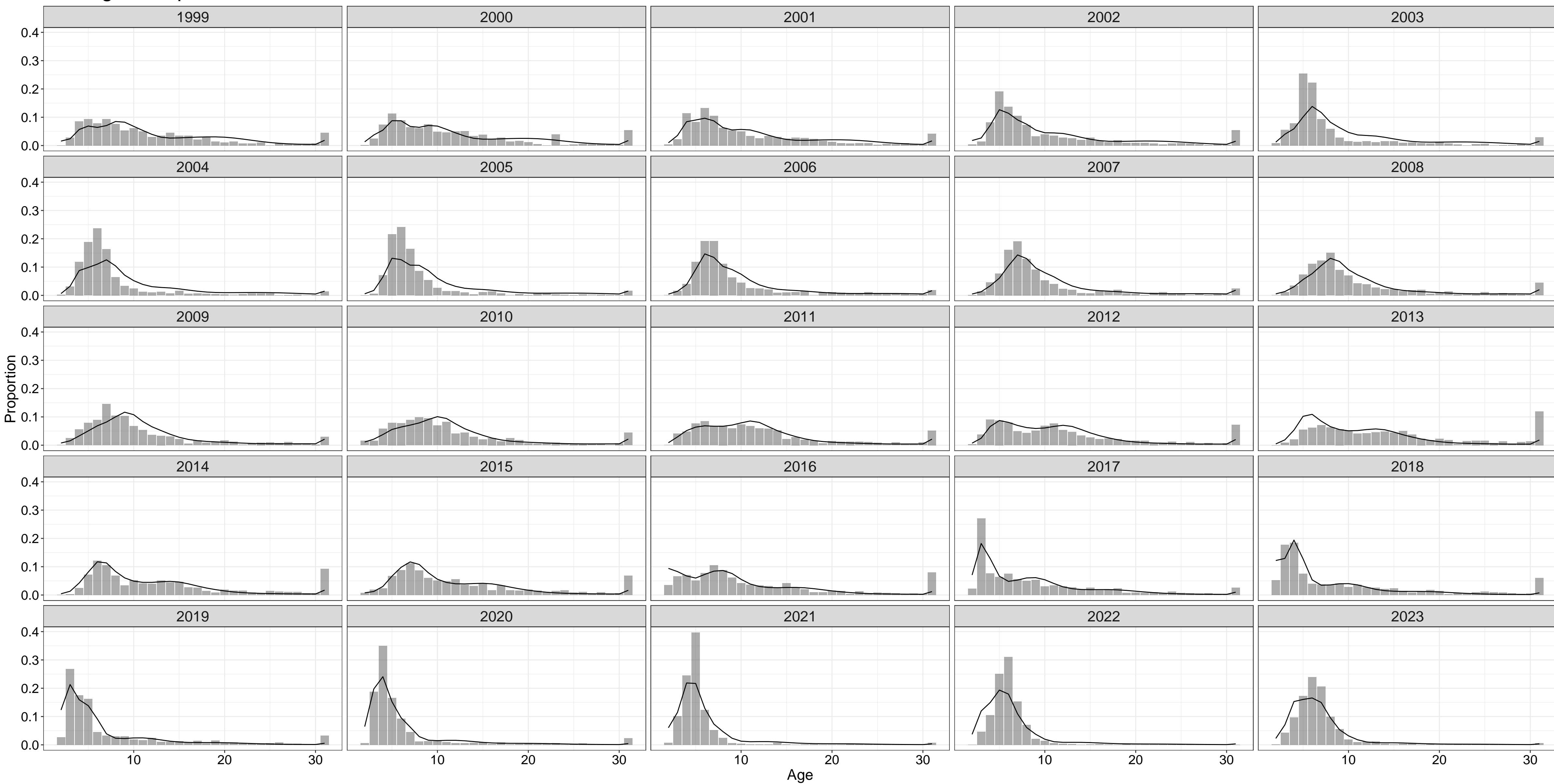


Index Residuals Runs Test

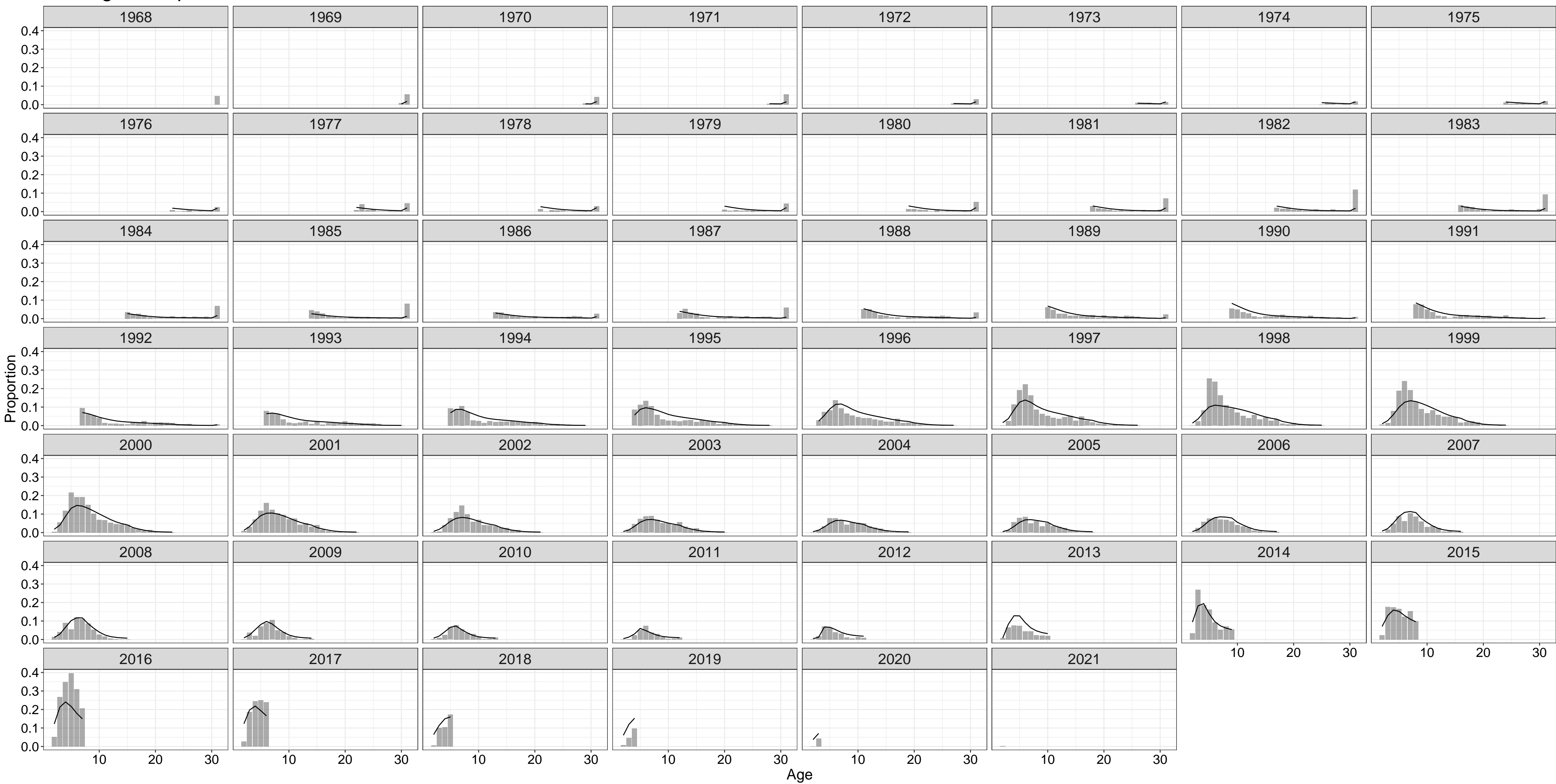


Year

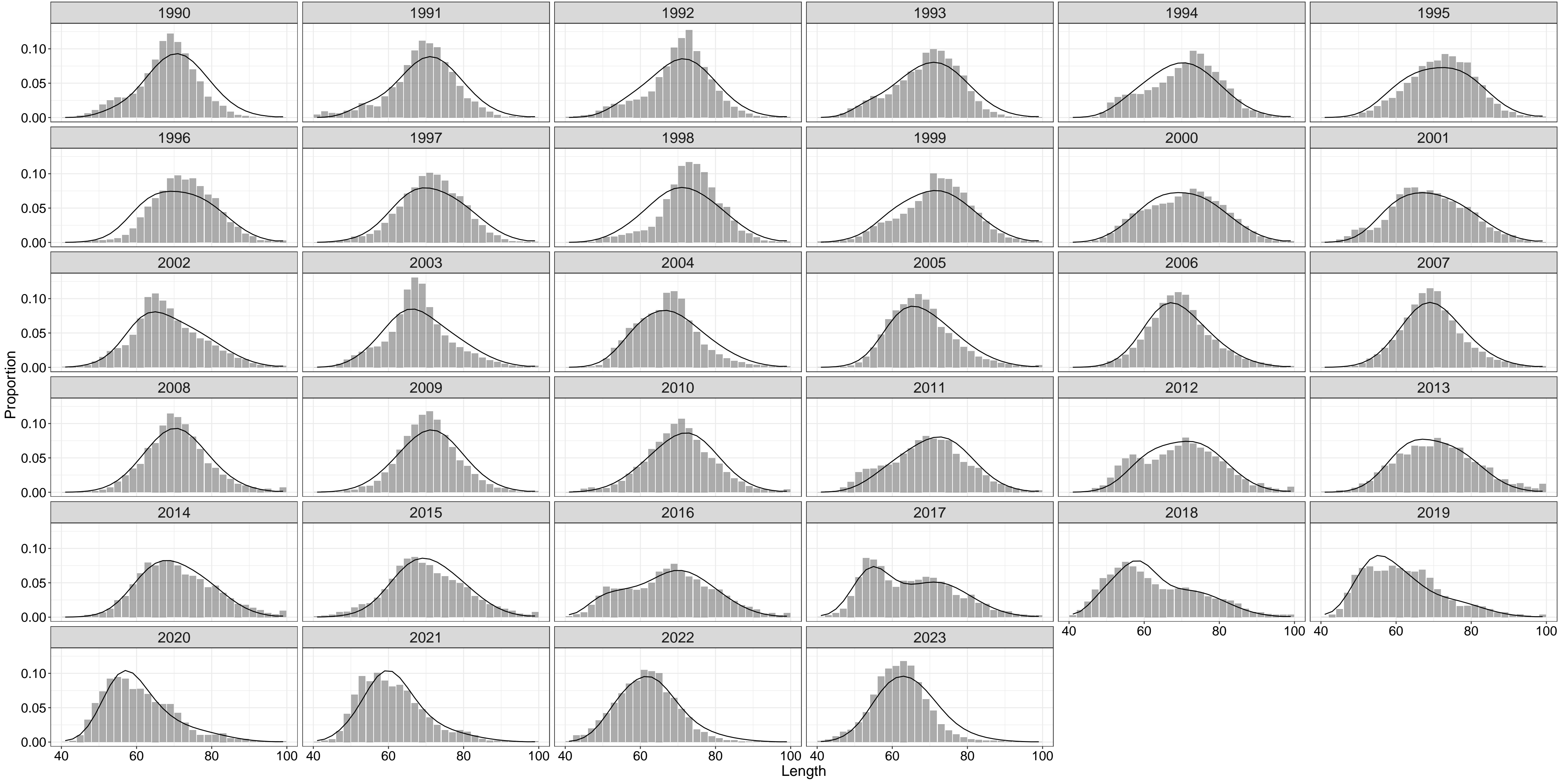
LLF Age Comps Female



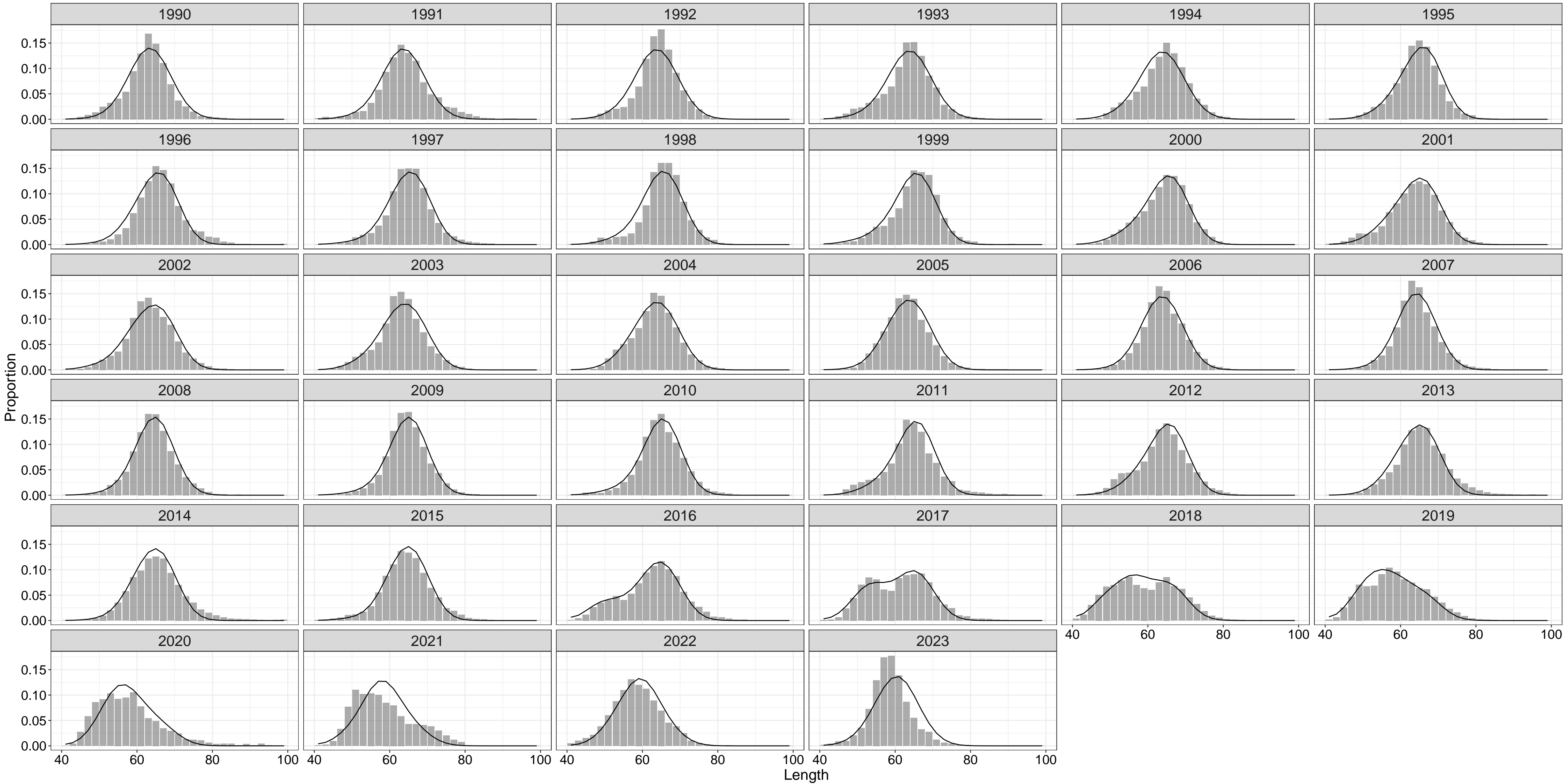
LLF Age Comps Cohort Fits Female



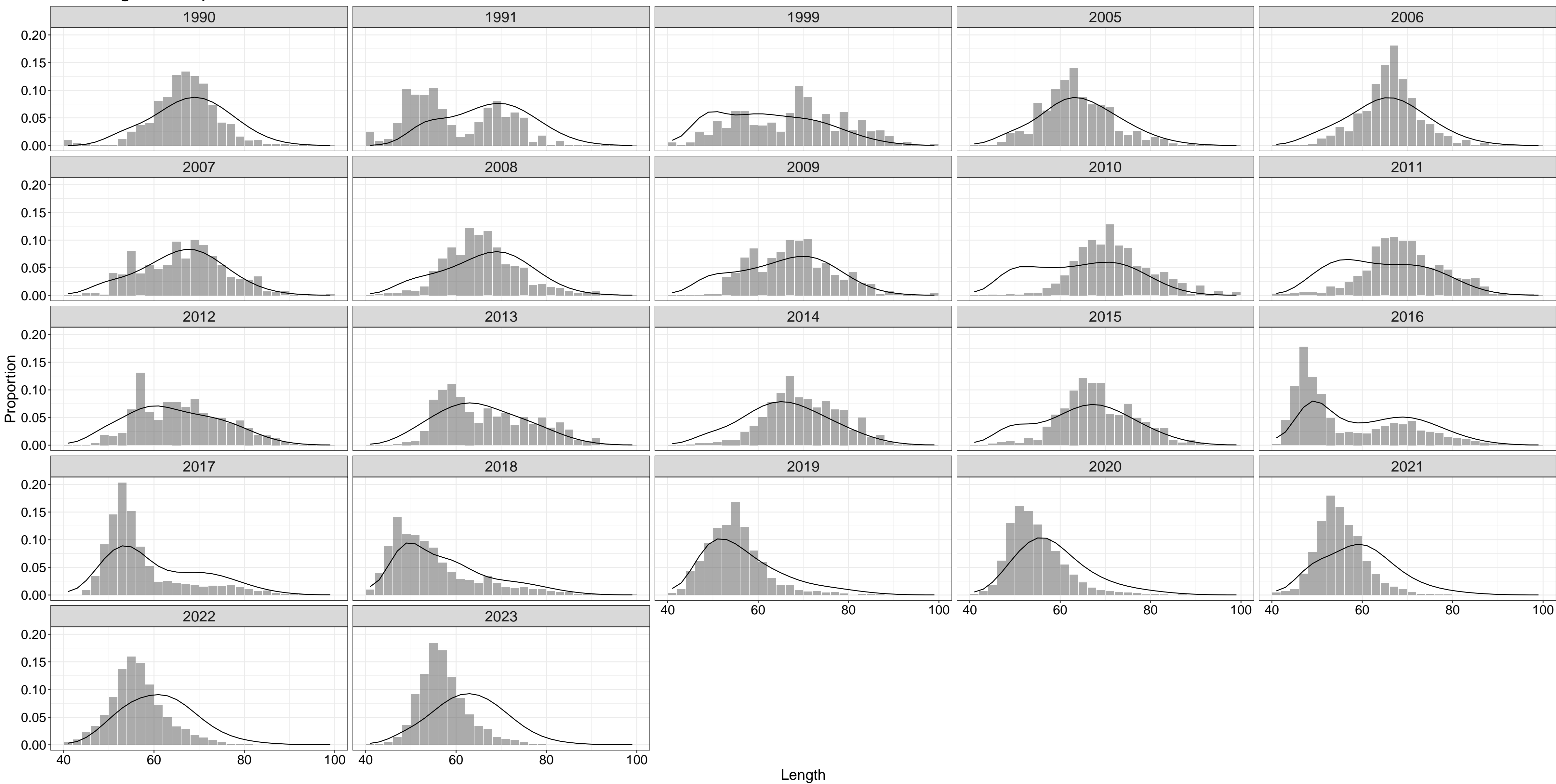
LLF Length Comps Female



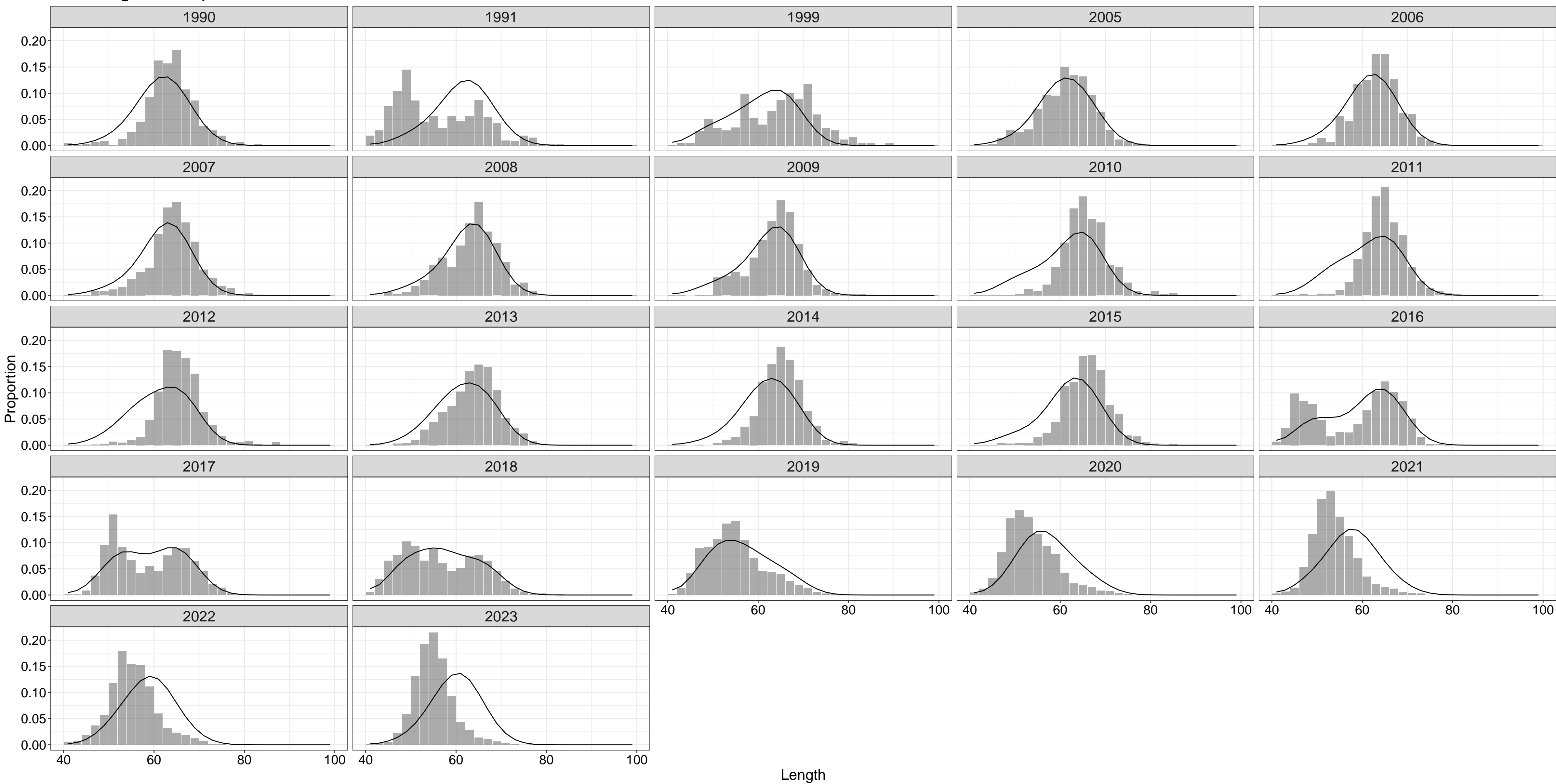
LLF Length Comps Male



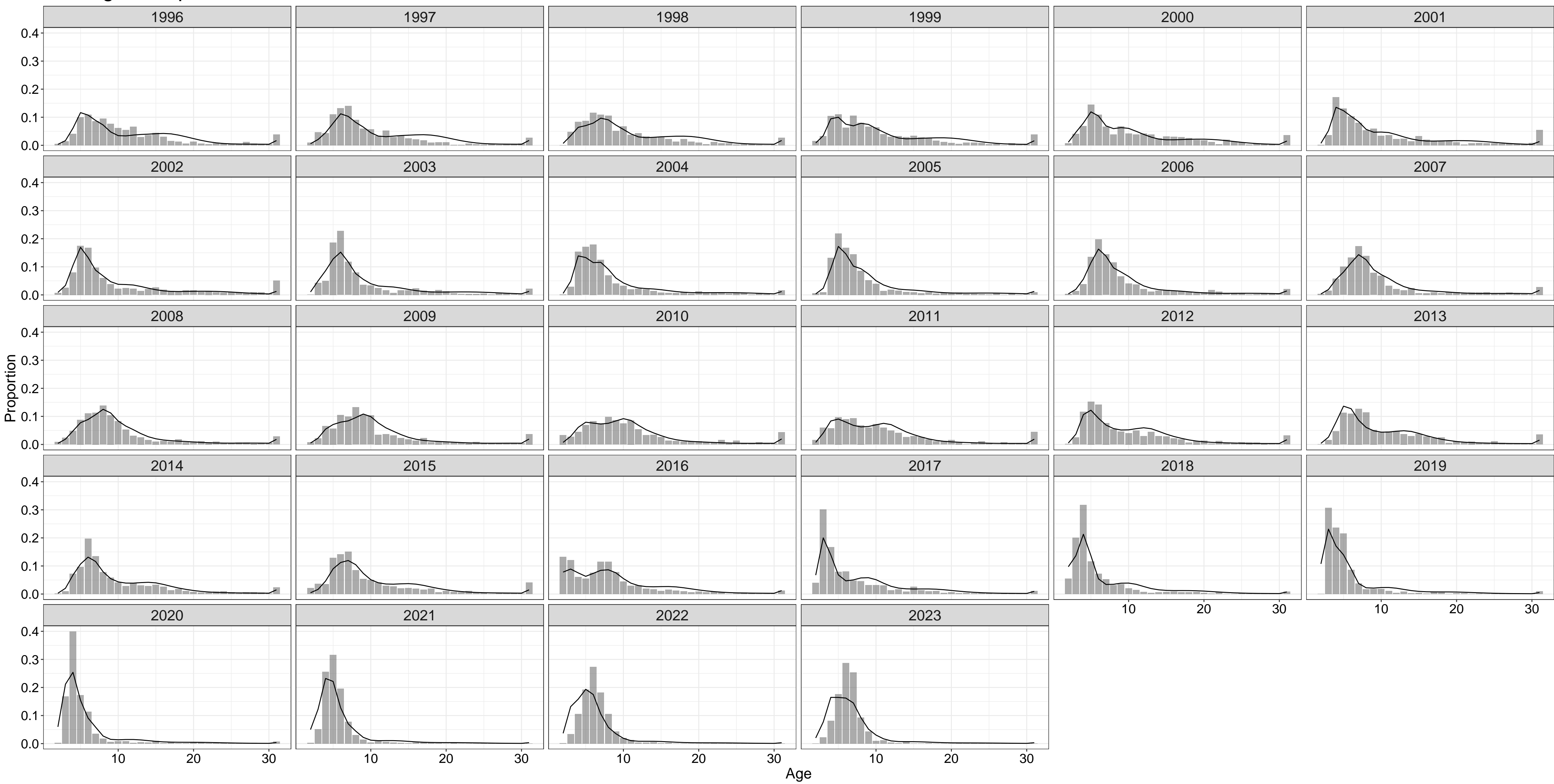
TF Length Comps Female



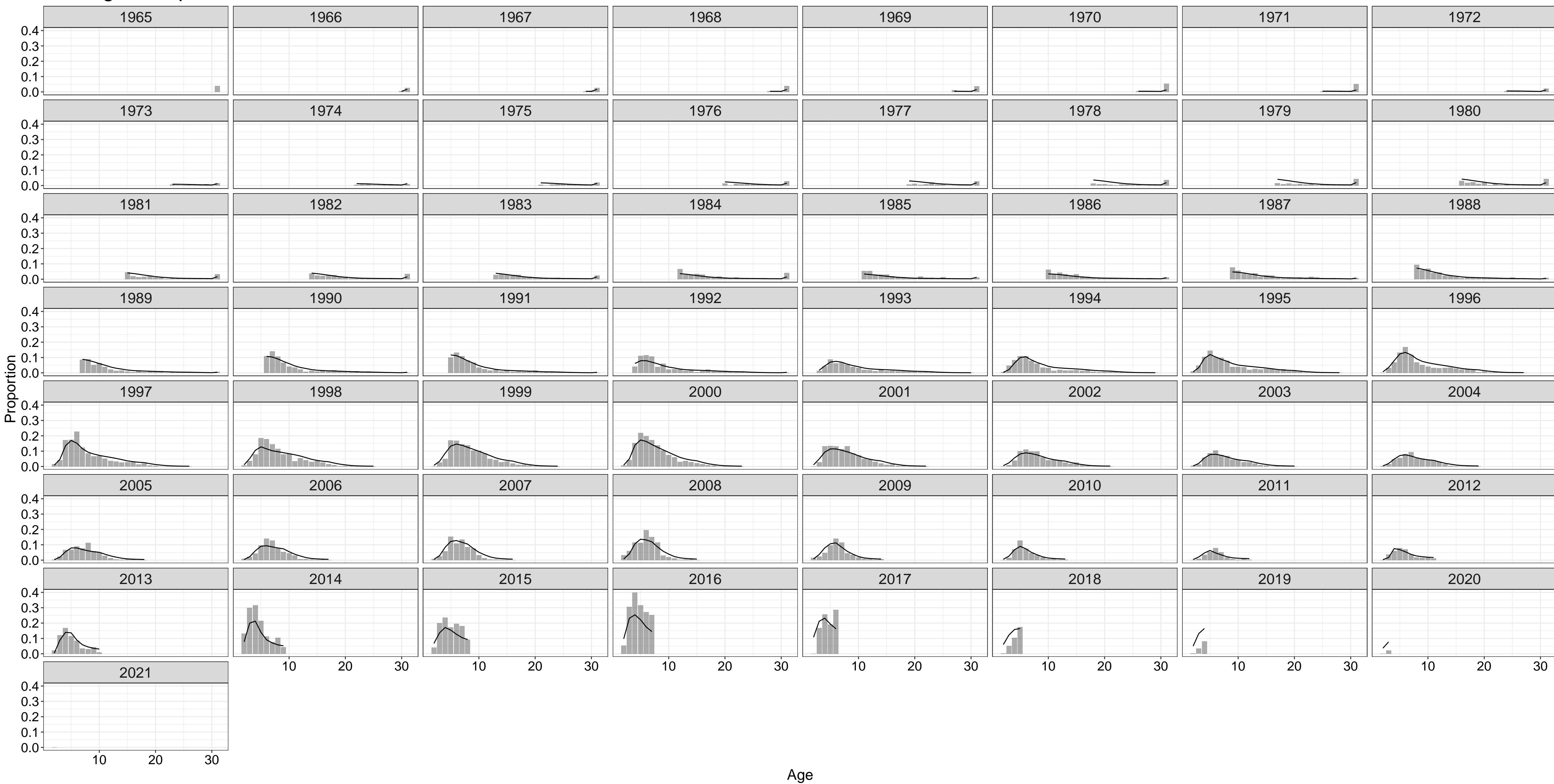
TF Length Comps Male



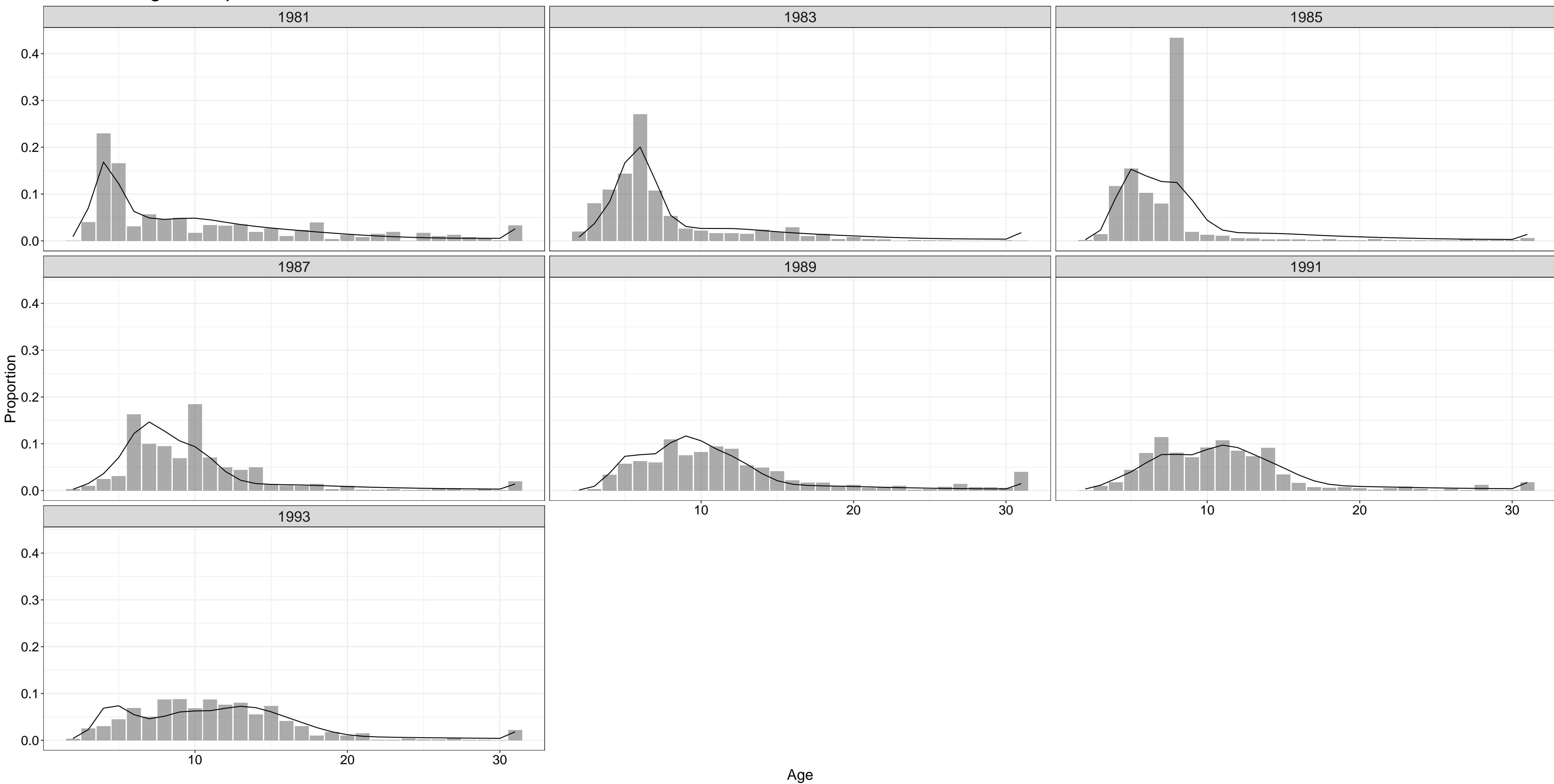
LLS Age Comps Female



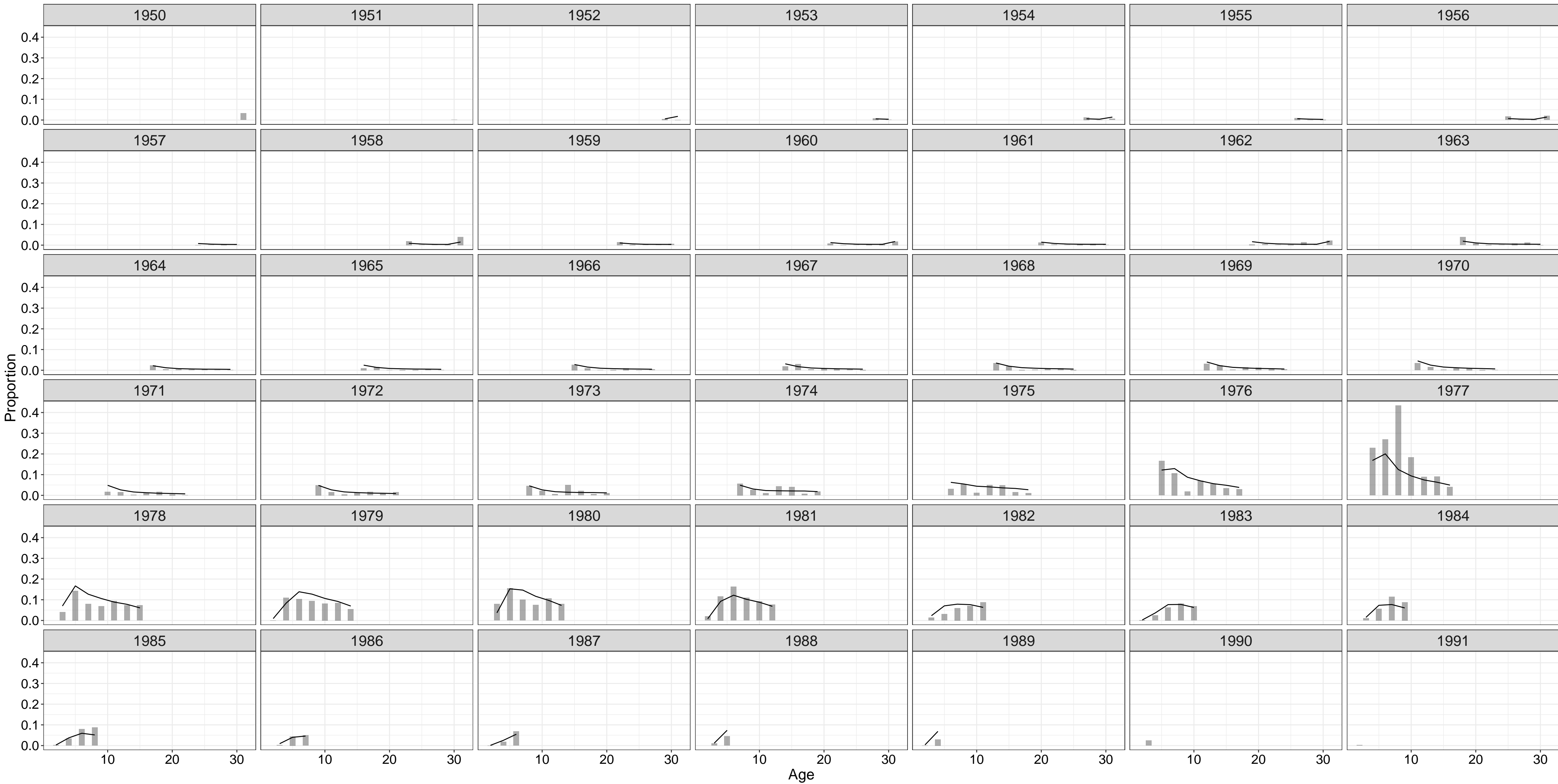
LLS Age Comps Cohort Fit Female



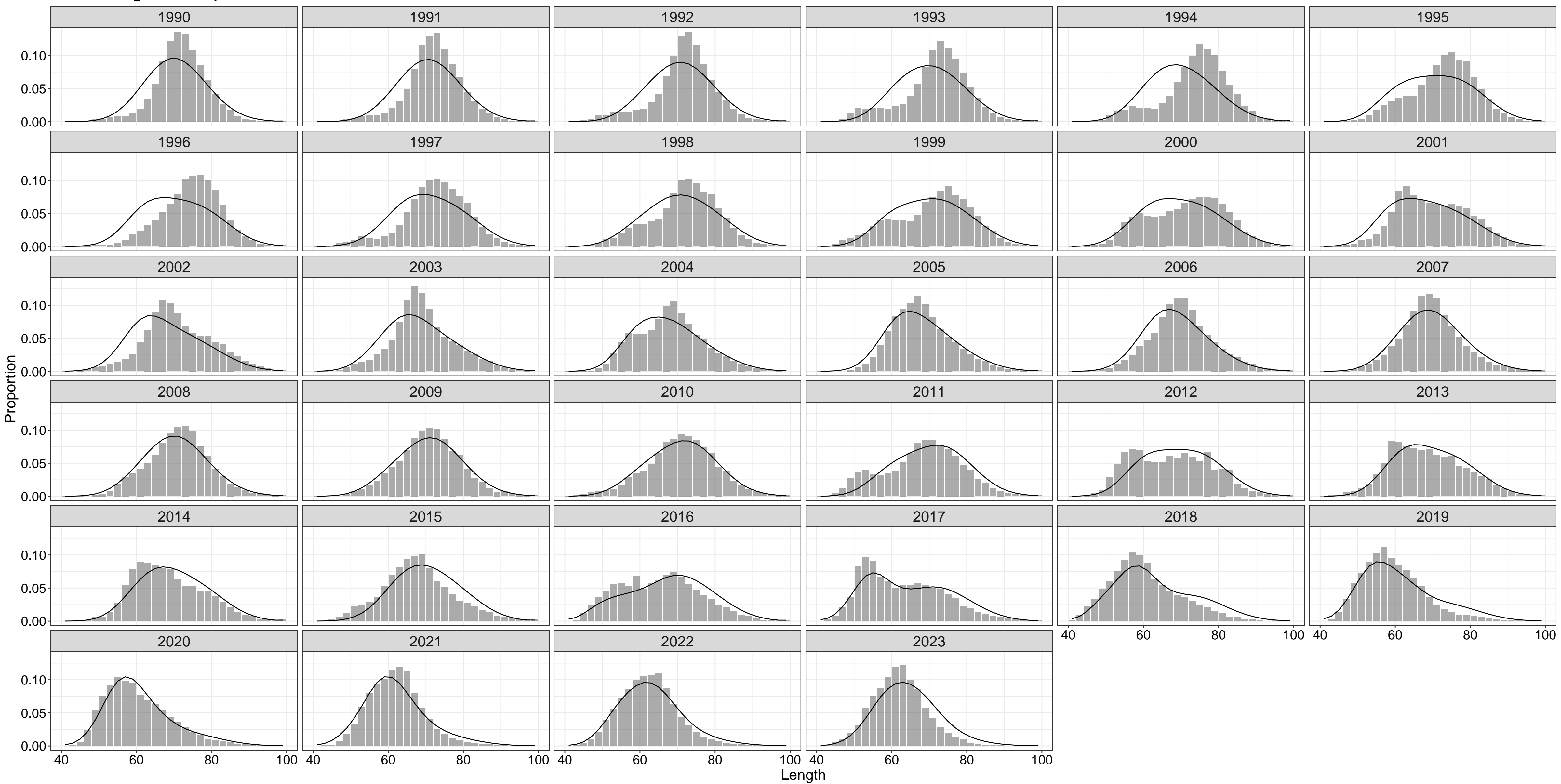
JPN LLS Age Comps Female



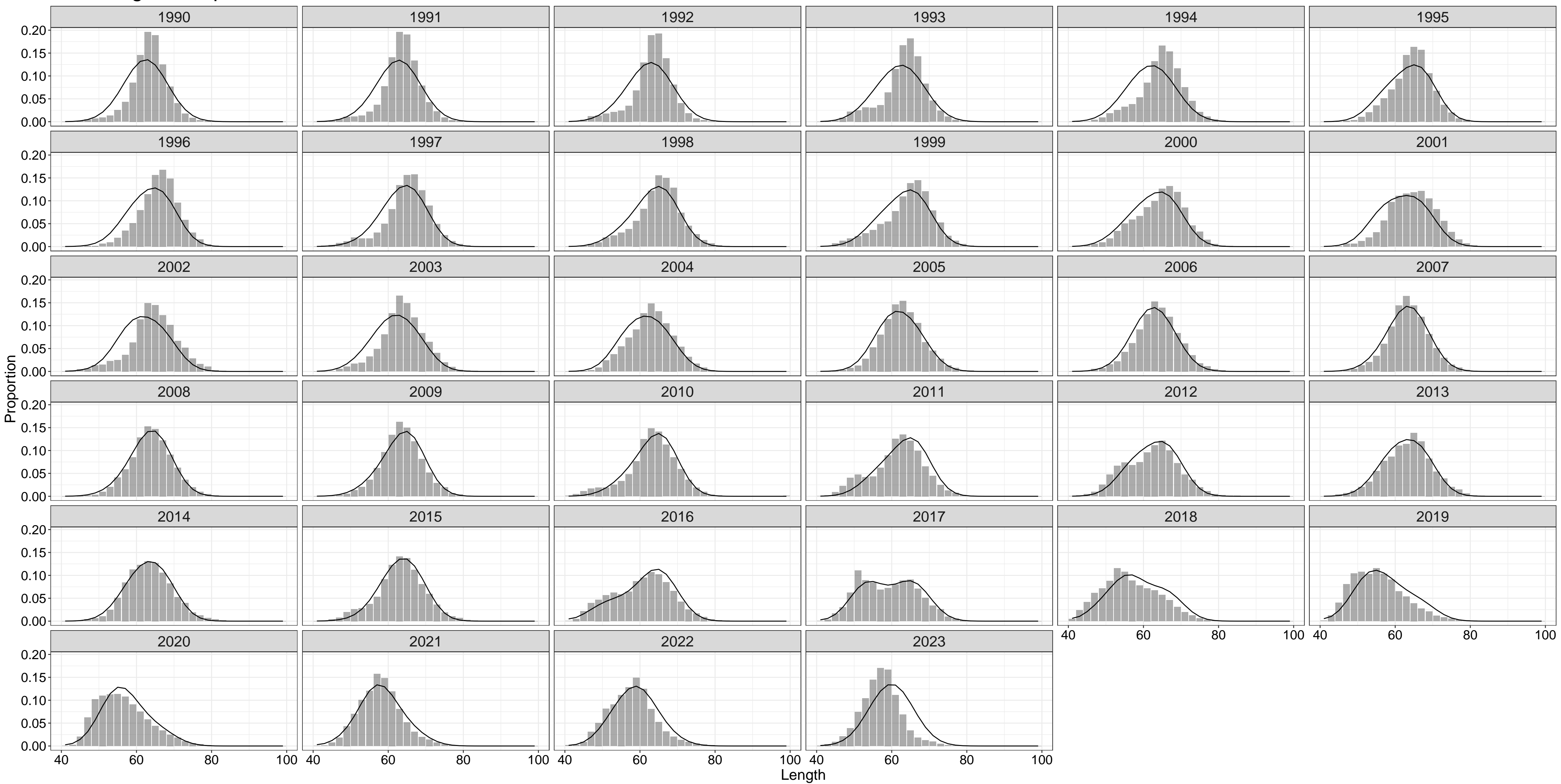
JPN LLS Age Comps Cohort Fit Female



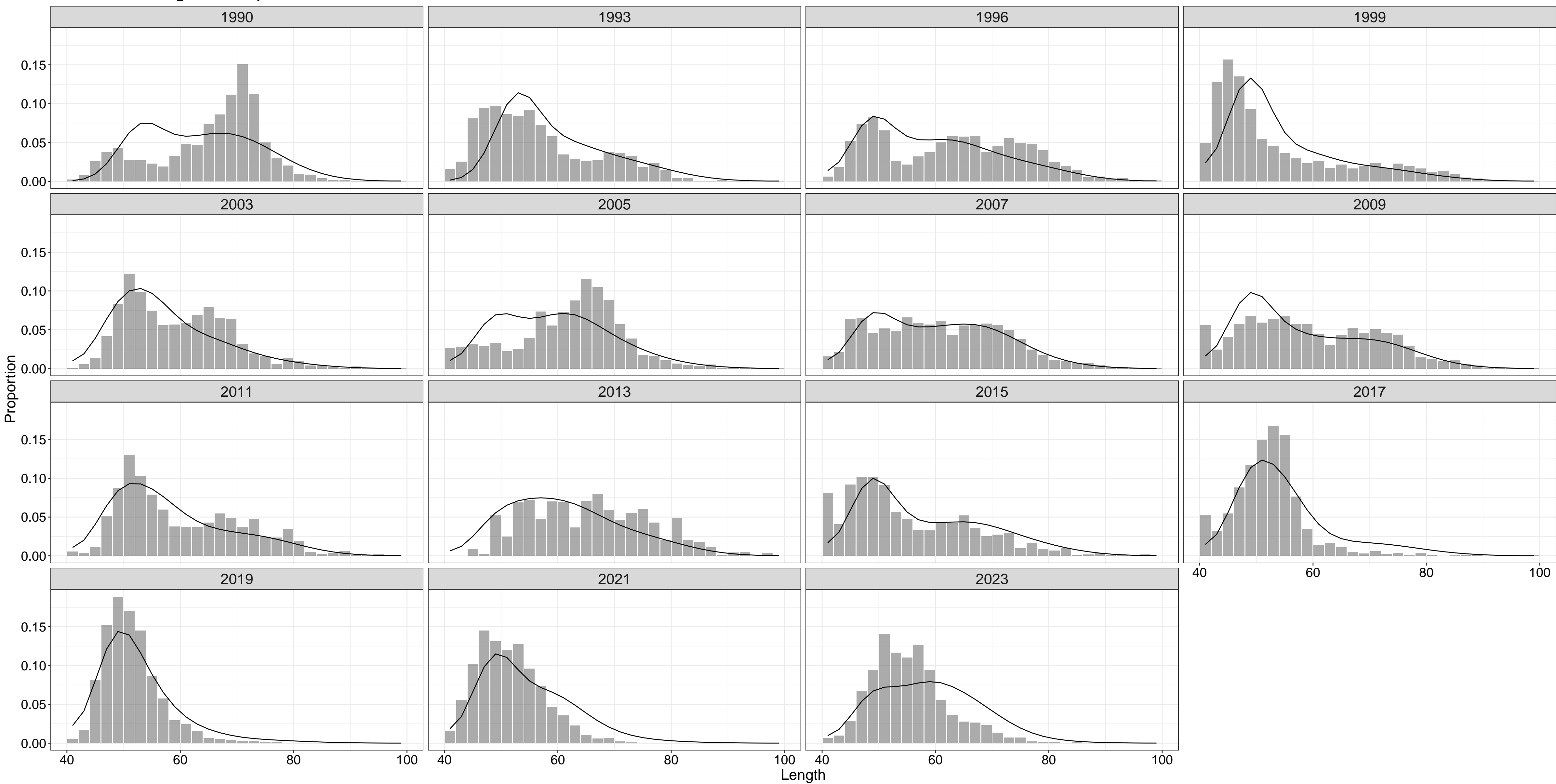
LLS Length Comps Female



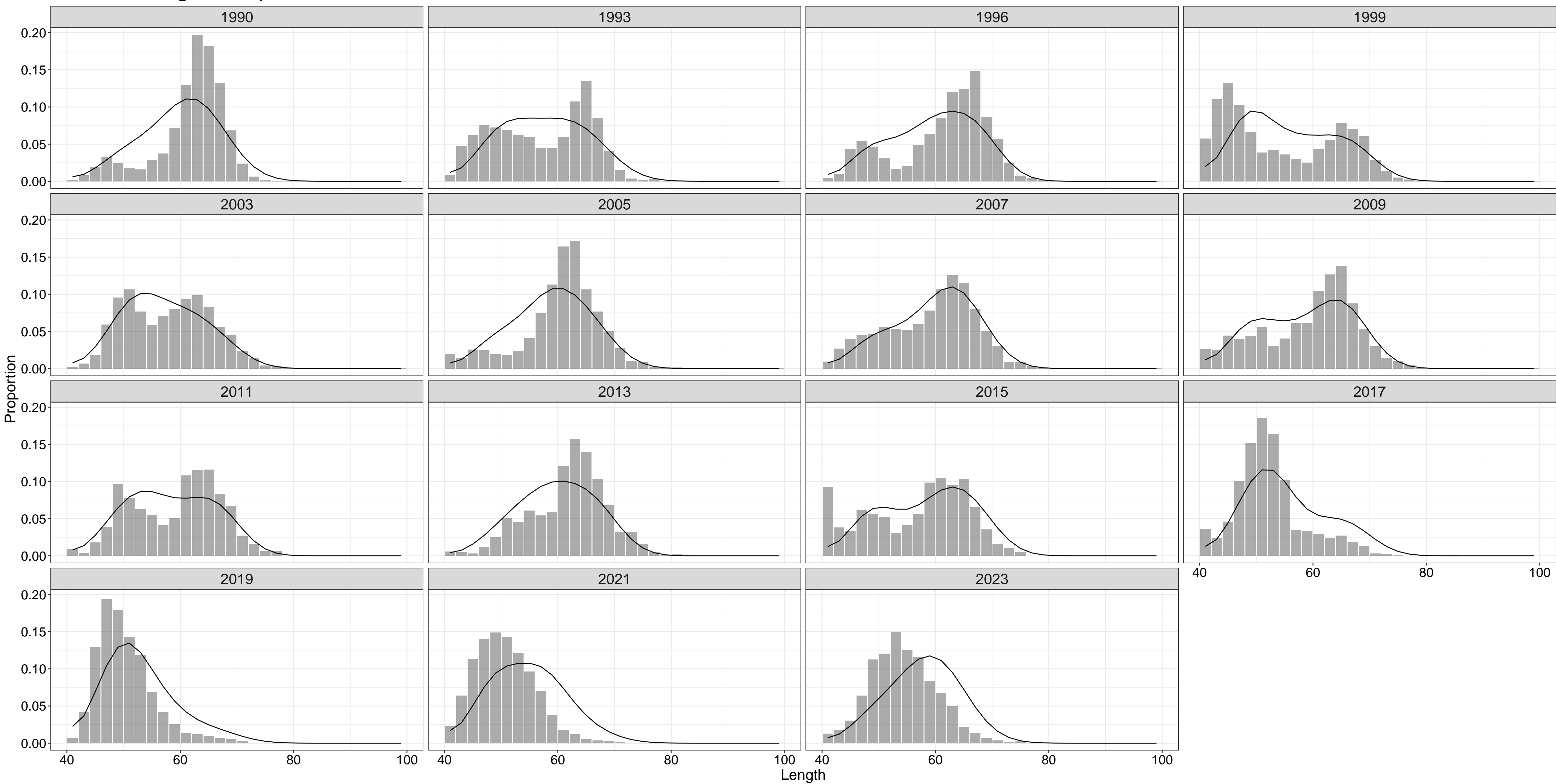
LLS Length Comps Male



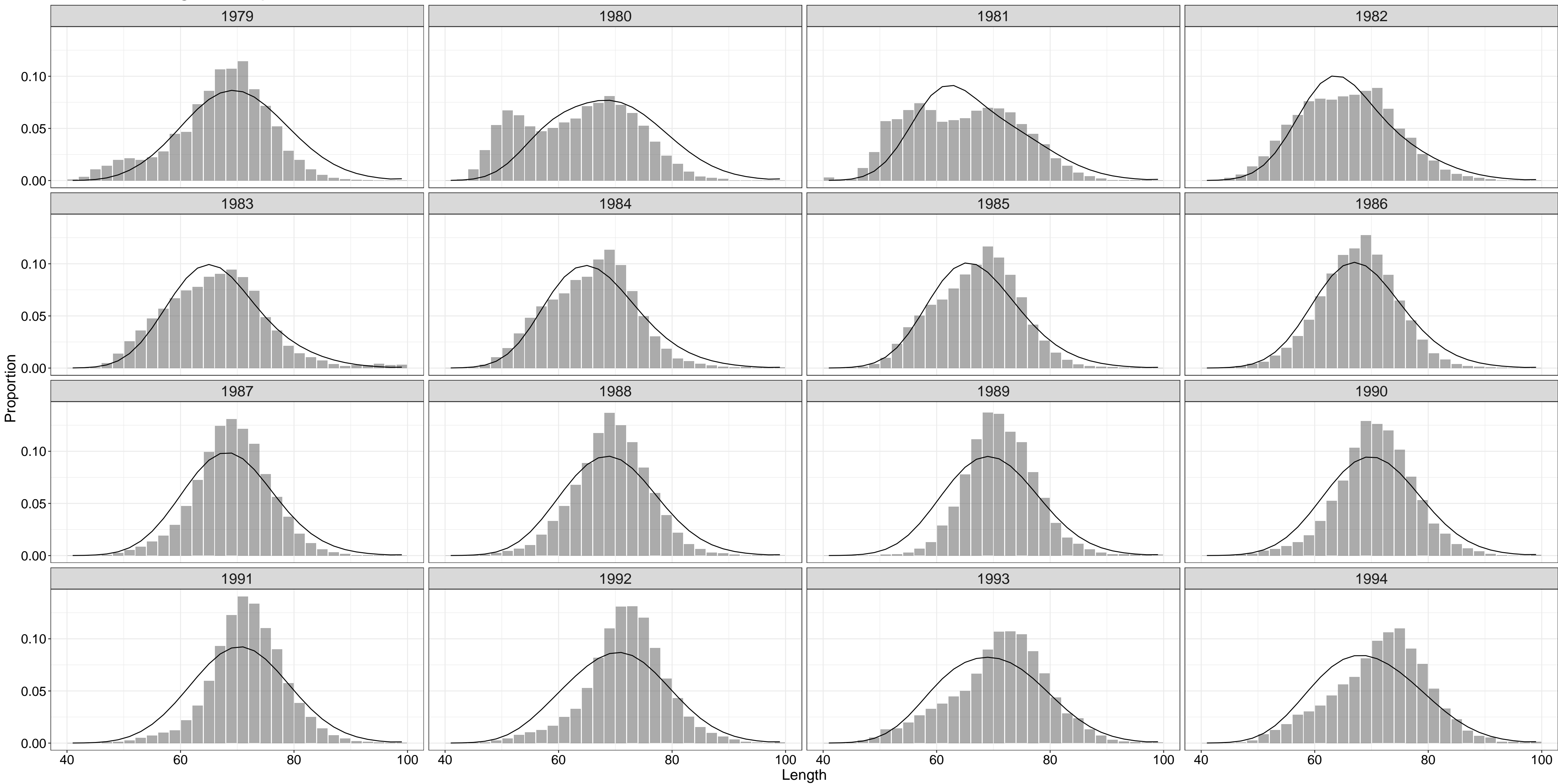
GOA TS Length Comps Female



GOA TS Length Comps Male



JPN LLS Length Comps Female



JPN LLS Length Comps Male

