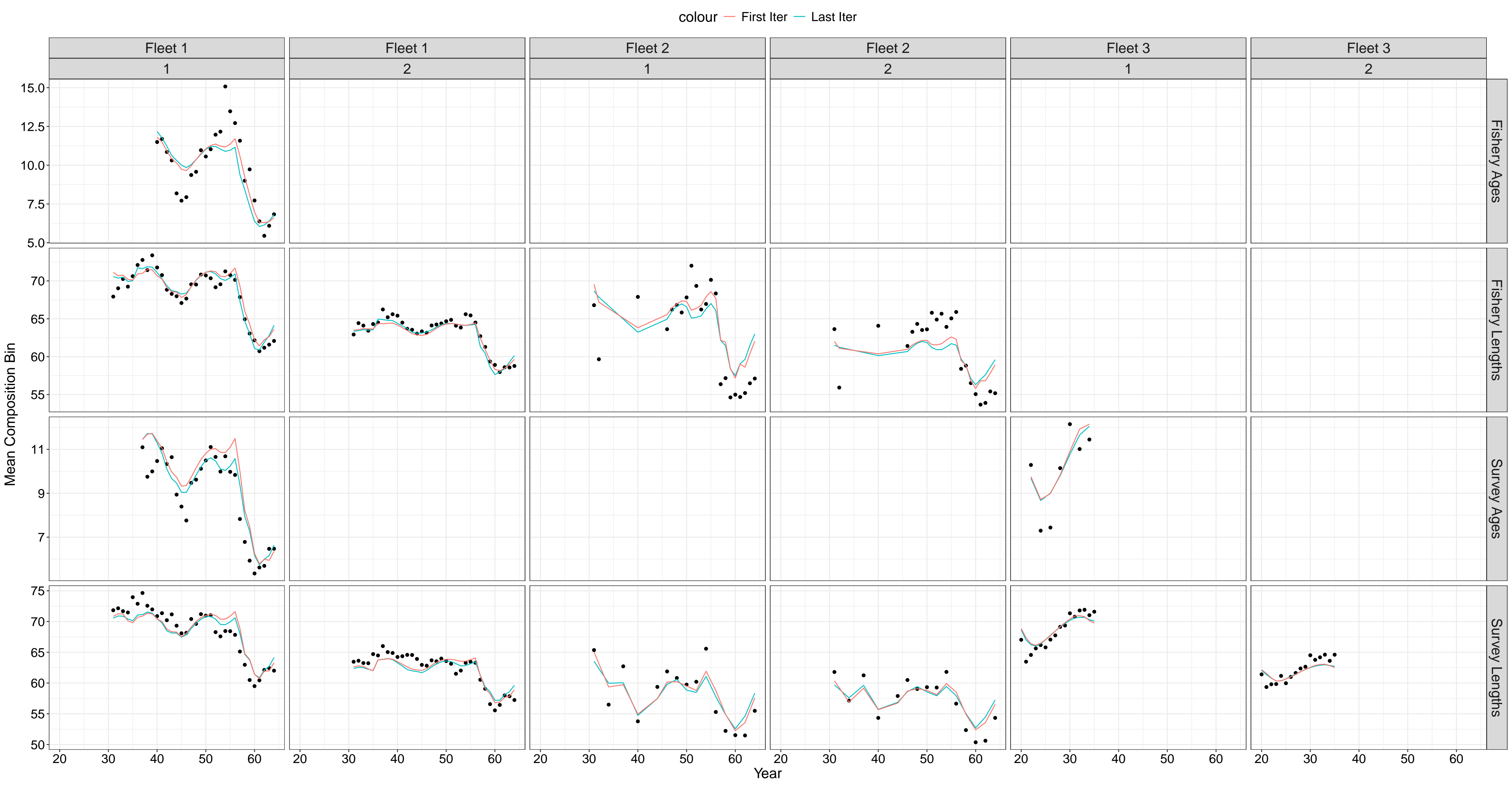
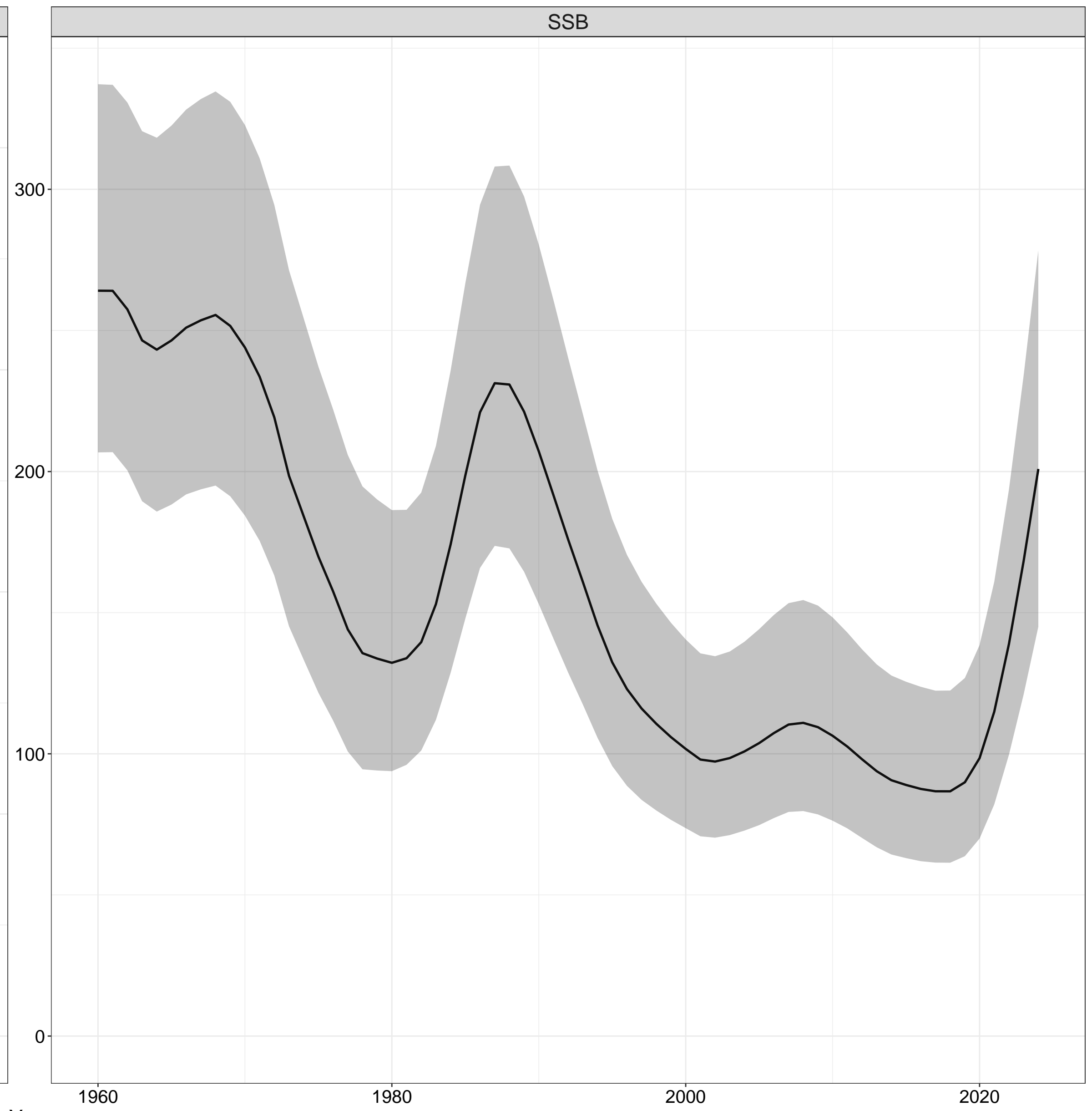
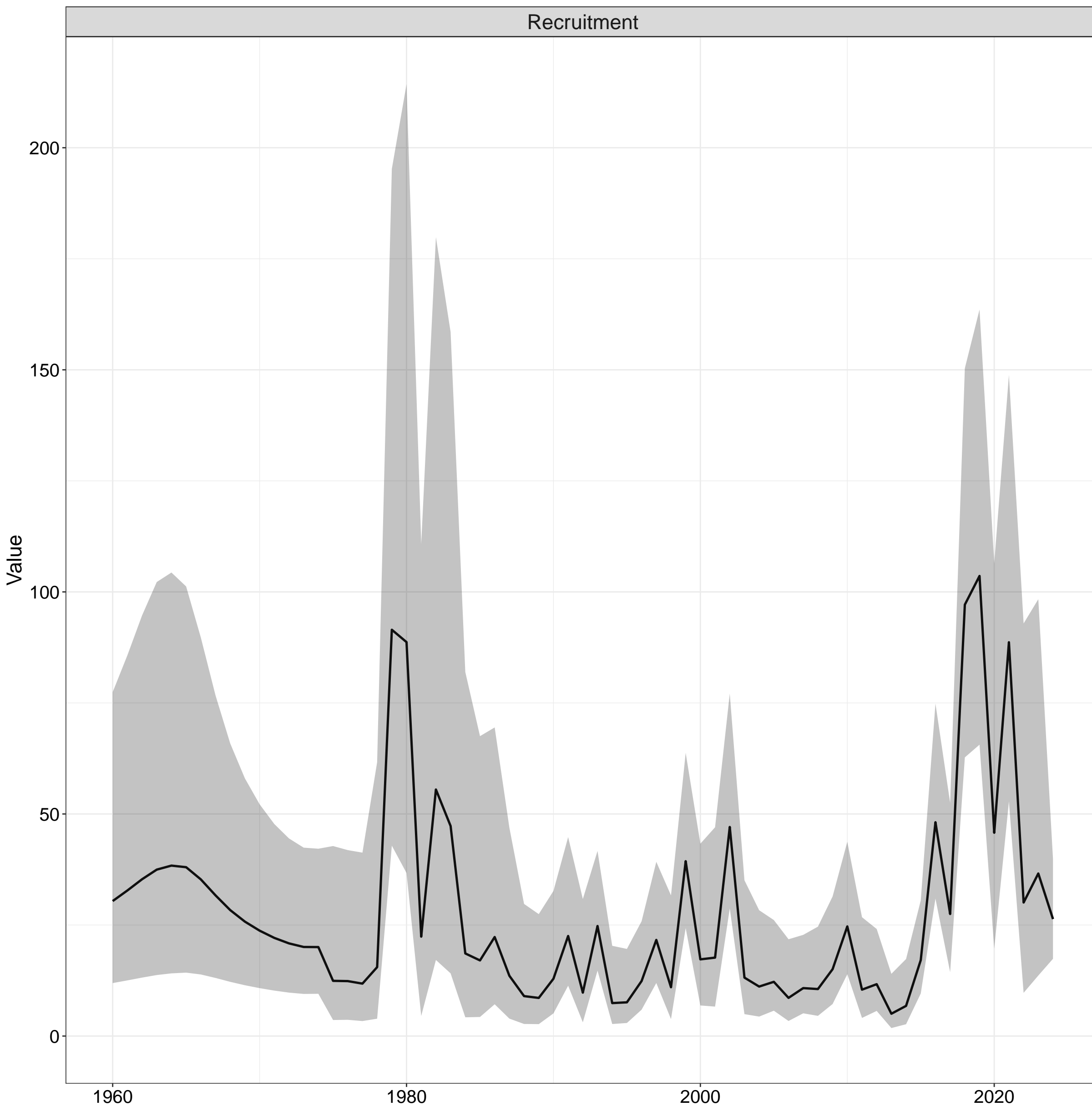


	Comp_Type	Init_Weight	Final_Weight
1	LLF_Age_F	0.8261073	0.8134379
2	LLF_Age_M	NA	NA
3	LLS_Age_F	3.7922454	3.5821733
4	LLS_Age_M	NA	NA
5	JPN_LLS_Age_F	1.3168111	1.2566368
6	JPN_LLS_Age_M	NA	NA
7	LLF_Len_F	4.1837057	4.7690485
8	LLF_Len_M	4.2696935	4.5134336
9	TF_Len_F	0.3164859	0.3504389
10	TF_Len_M	0.2293966	0.2106292
11	LLS_Len_F	1.4379202	1.4502364
12	LLS_Len_M	1.0705376	1.2179041
13	TS_Len_F	0.6708833	0.7400069
14	TS_Len_M	0.4652071	0.5074362
15	JPN_LLS_Len_F	1.2777281	2.5371664
16	JPN_LLS_Len_M	0.8575195	1.5357746

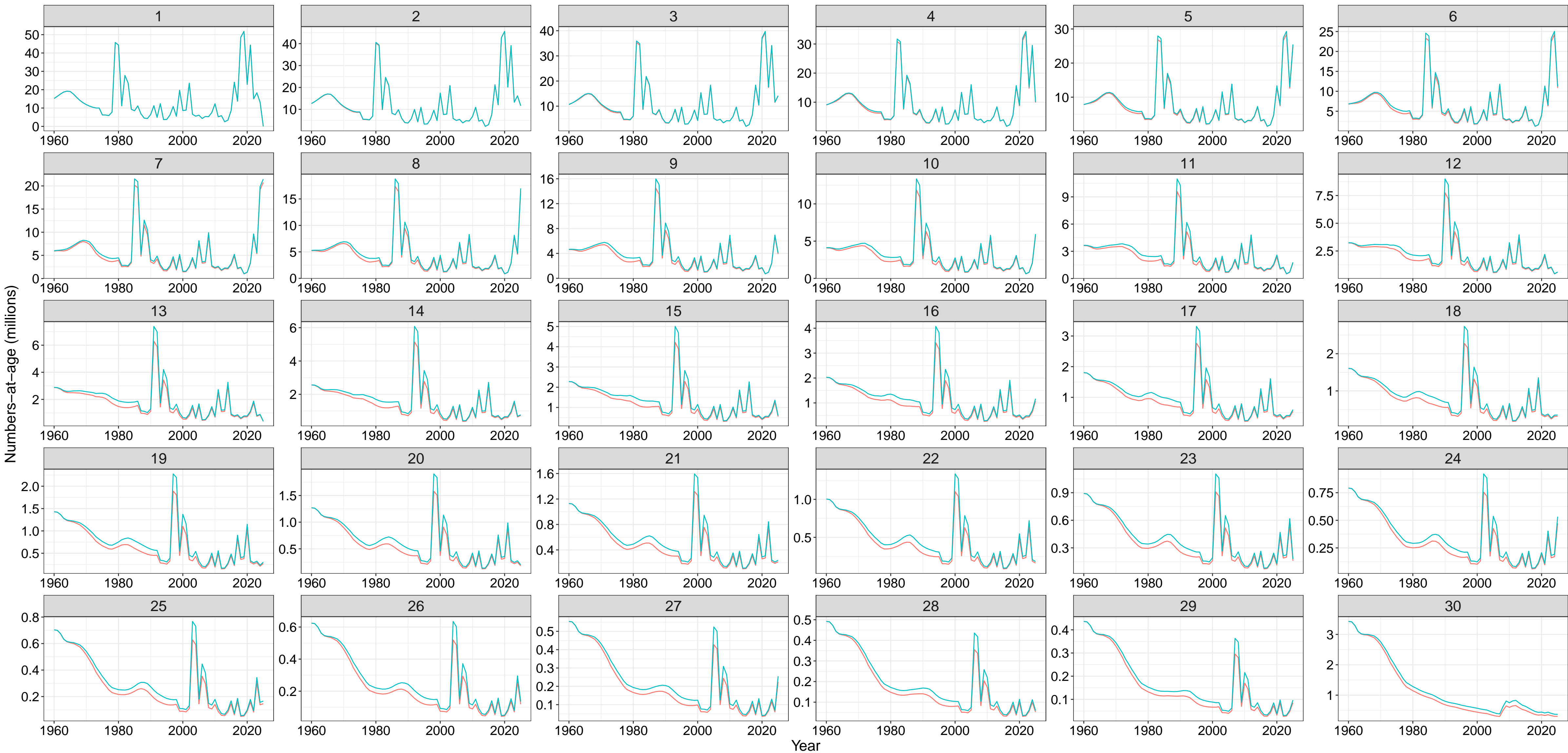


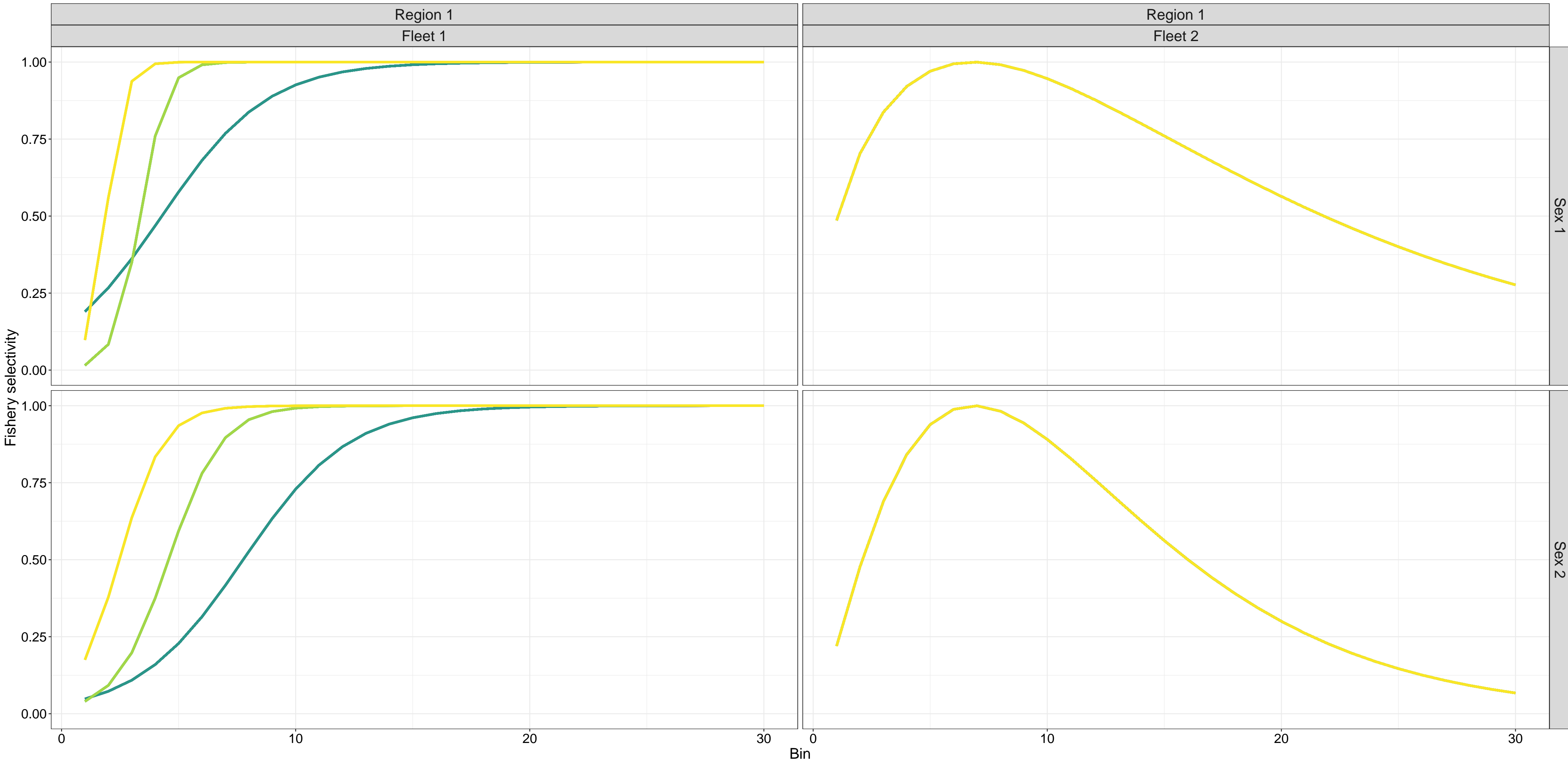
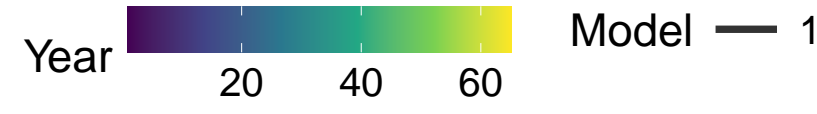
	Model	Region	Terminal_SSB	Terminal_F	Catch_Advice	B_Ref_Pt	F_Ref_Pt	B_over_B_Ref	F_over_F_Ref
1	1	1	200.91912	0.0384277845039607	52.95886	128.06222	0.08665	1.56892	0.4435

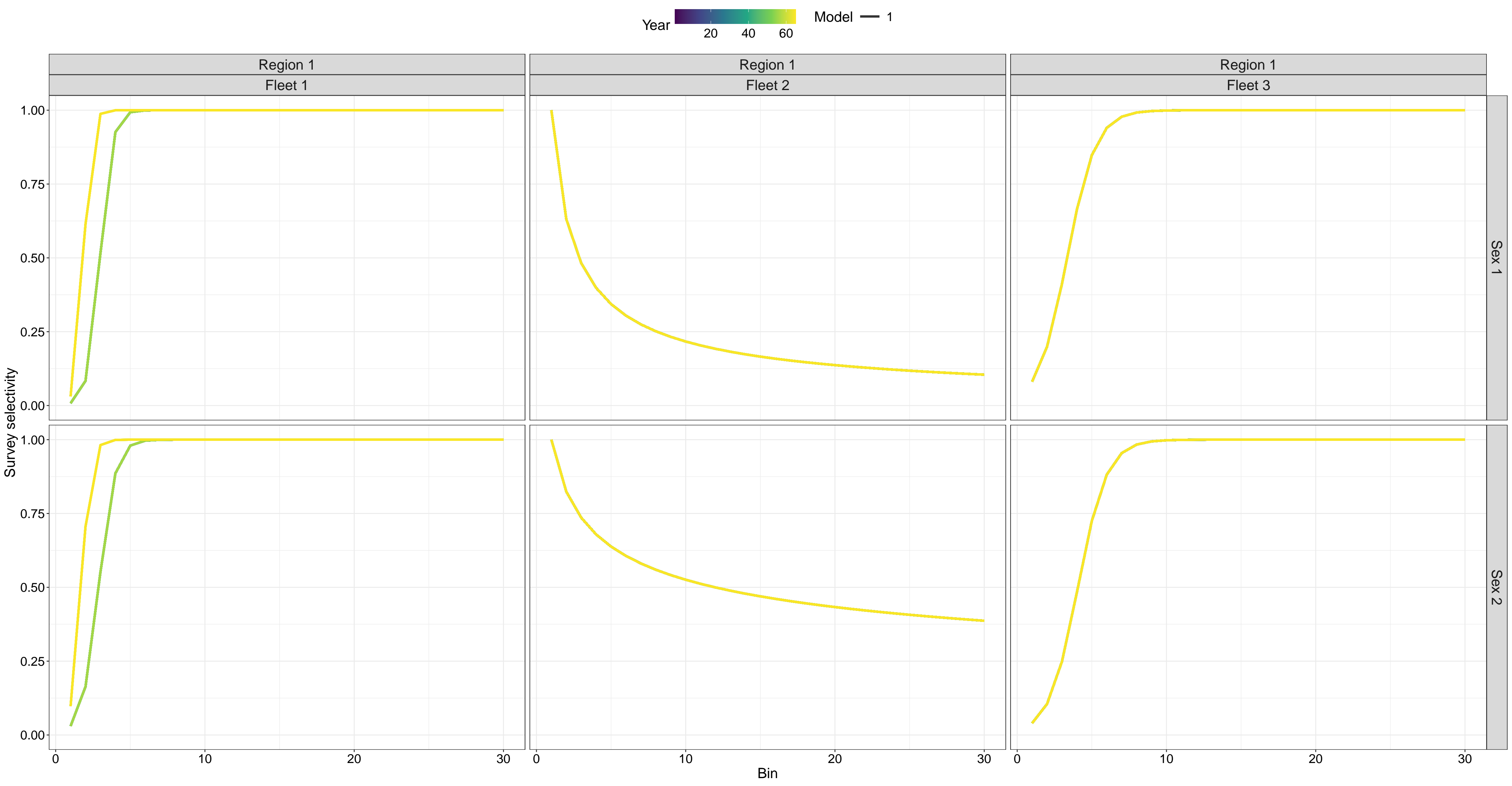


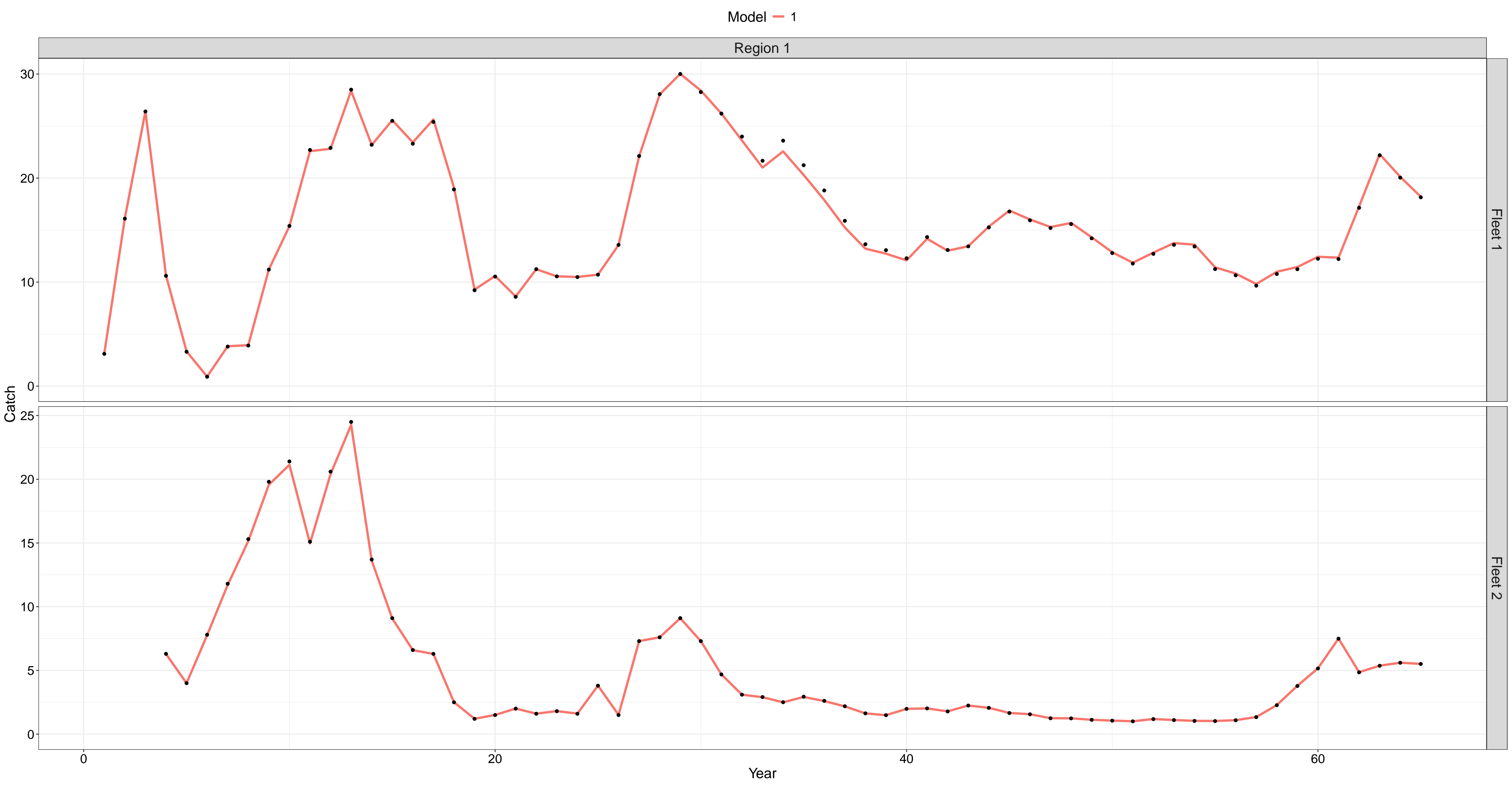
Numbers-at-Age

Sex — Female — Male

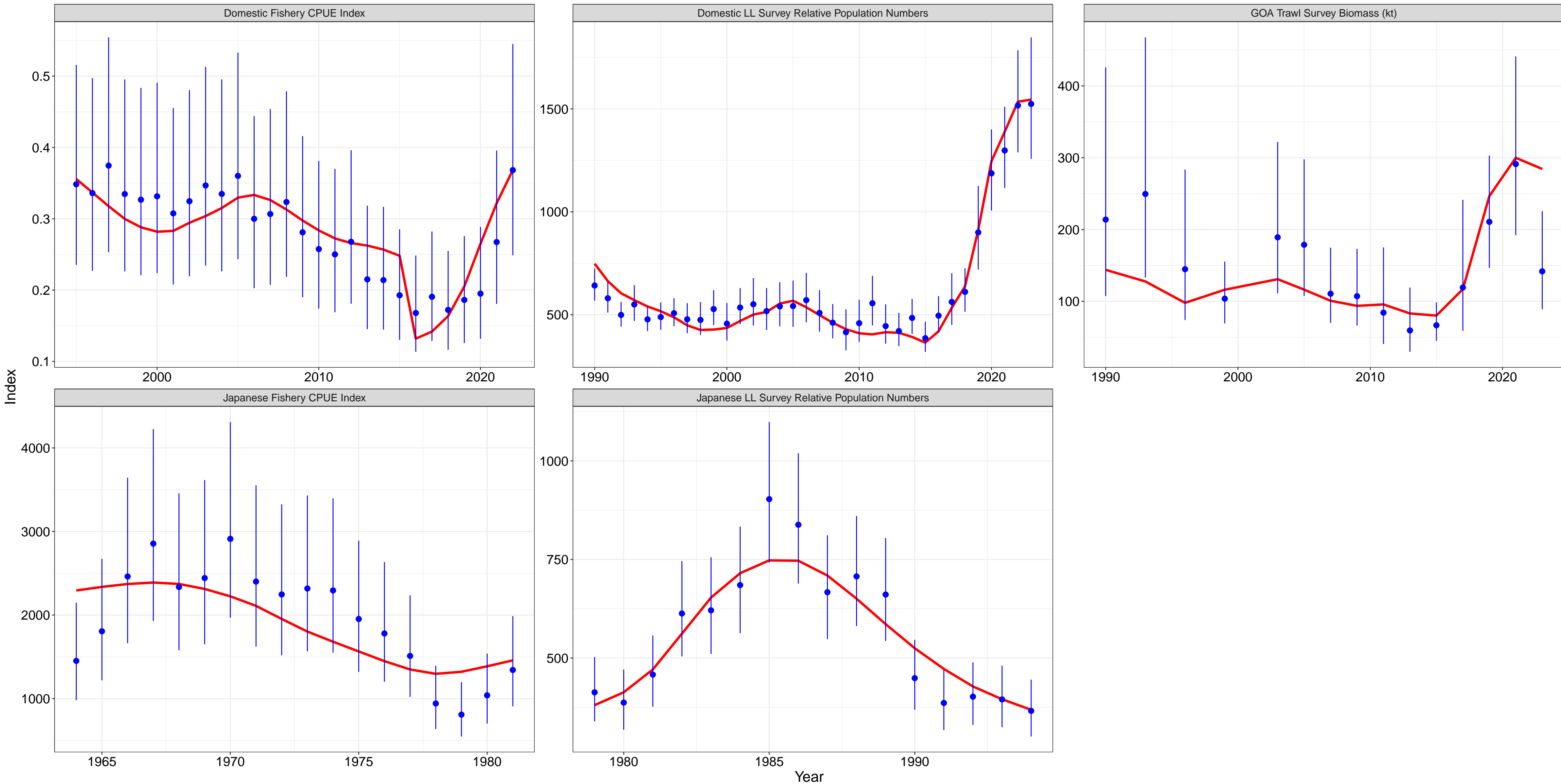




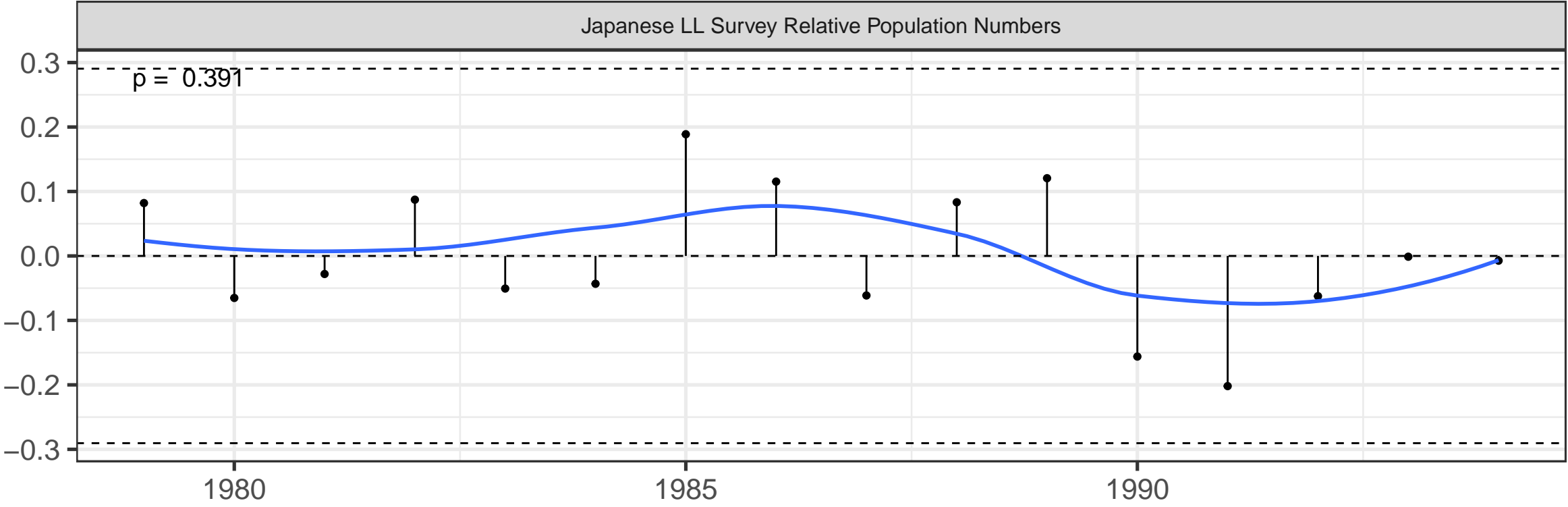
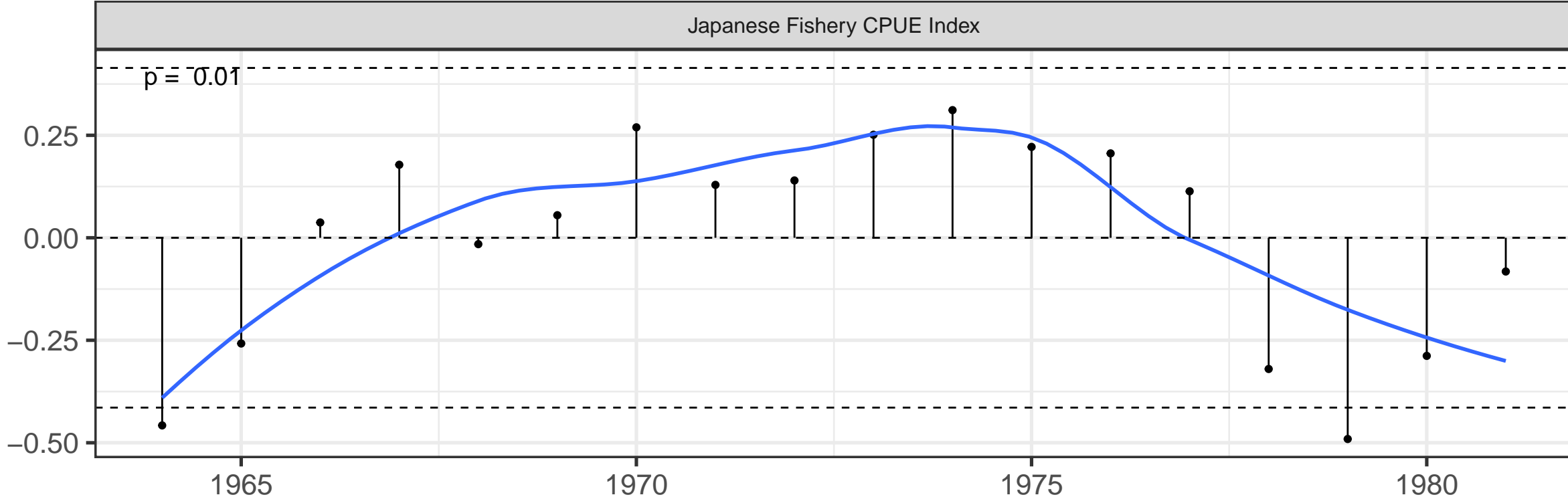
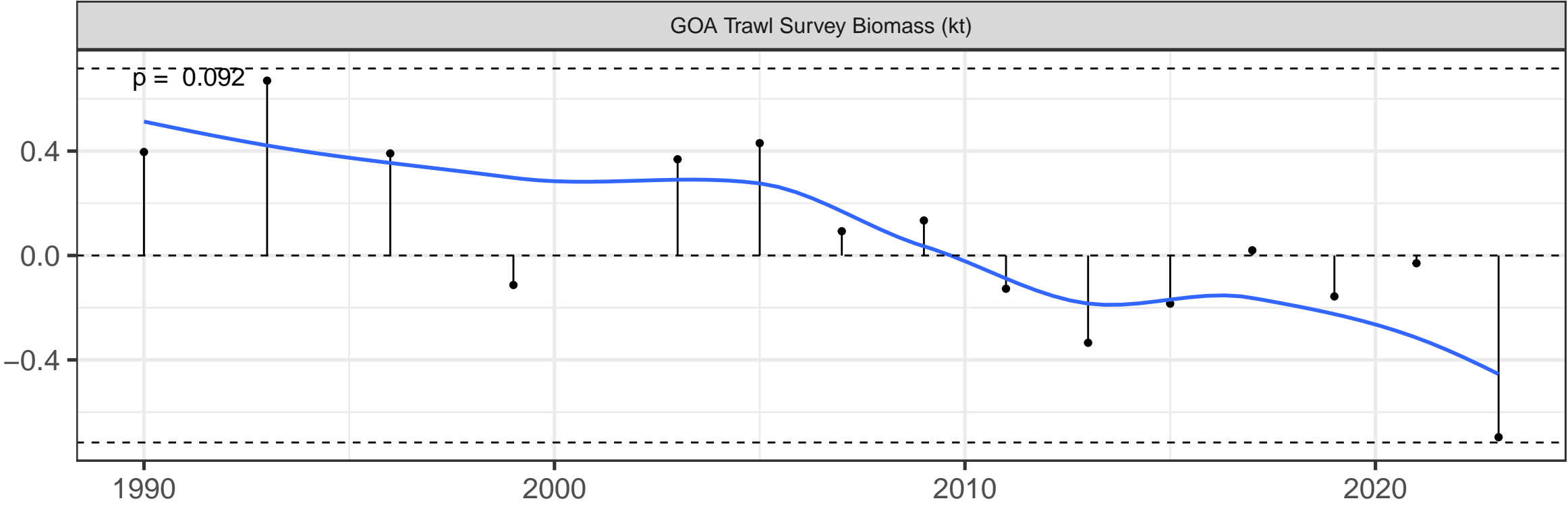
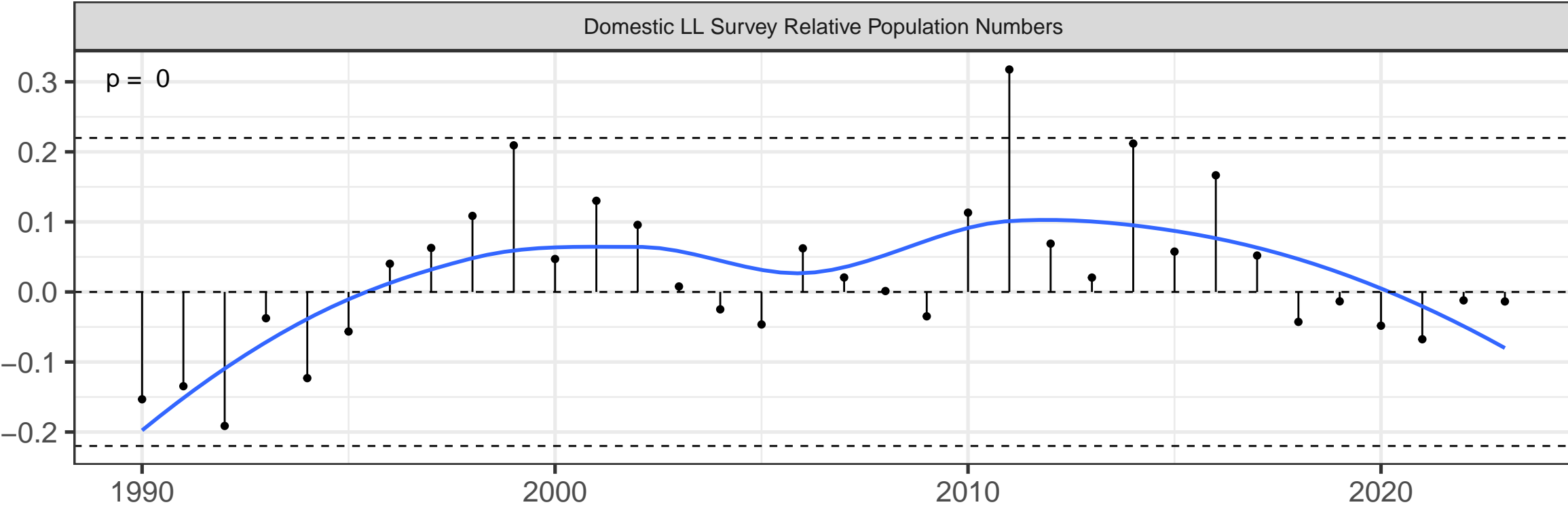
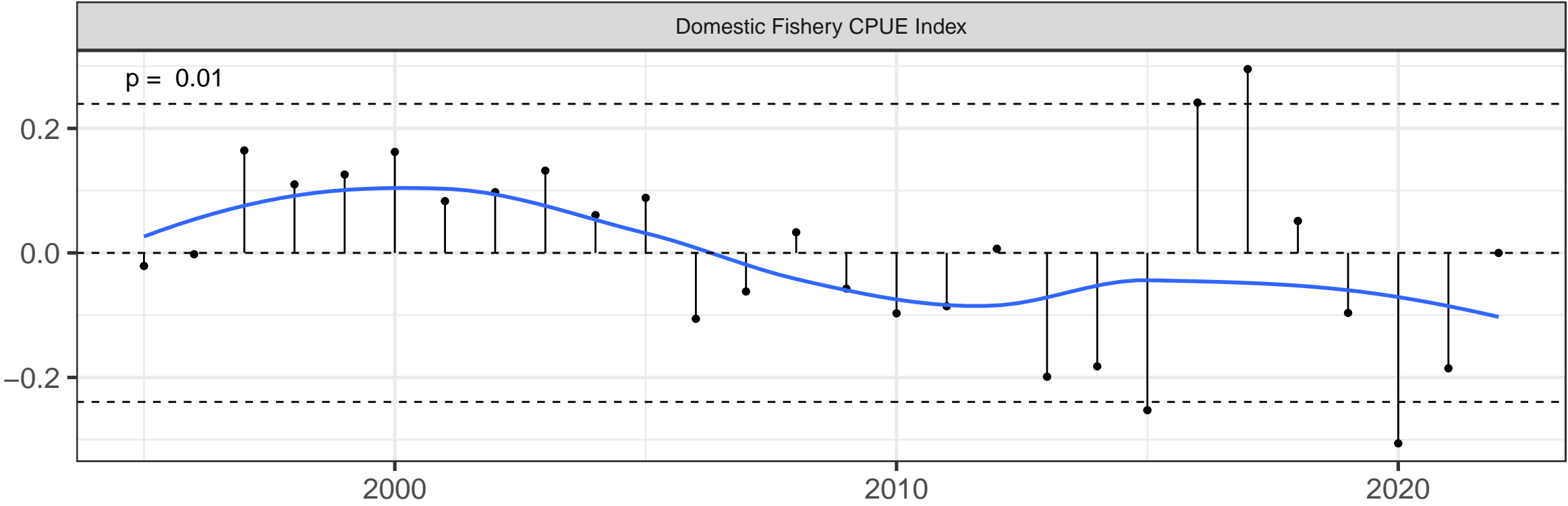




Index Fits

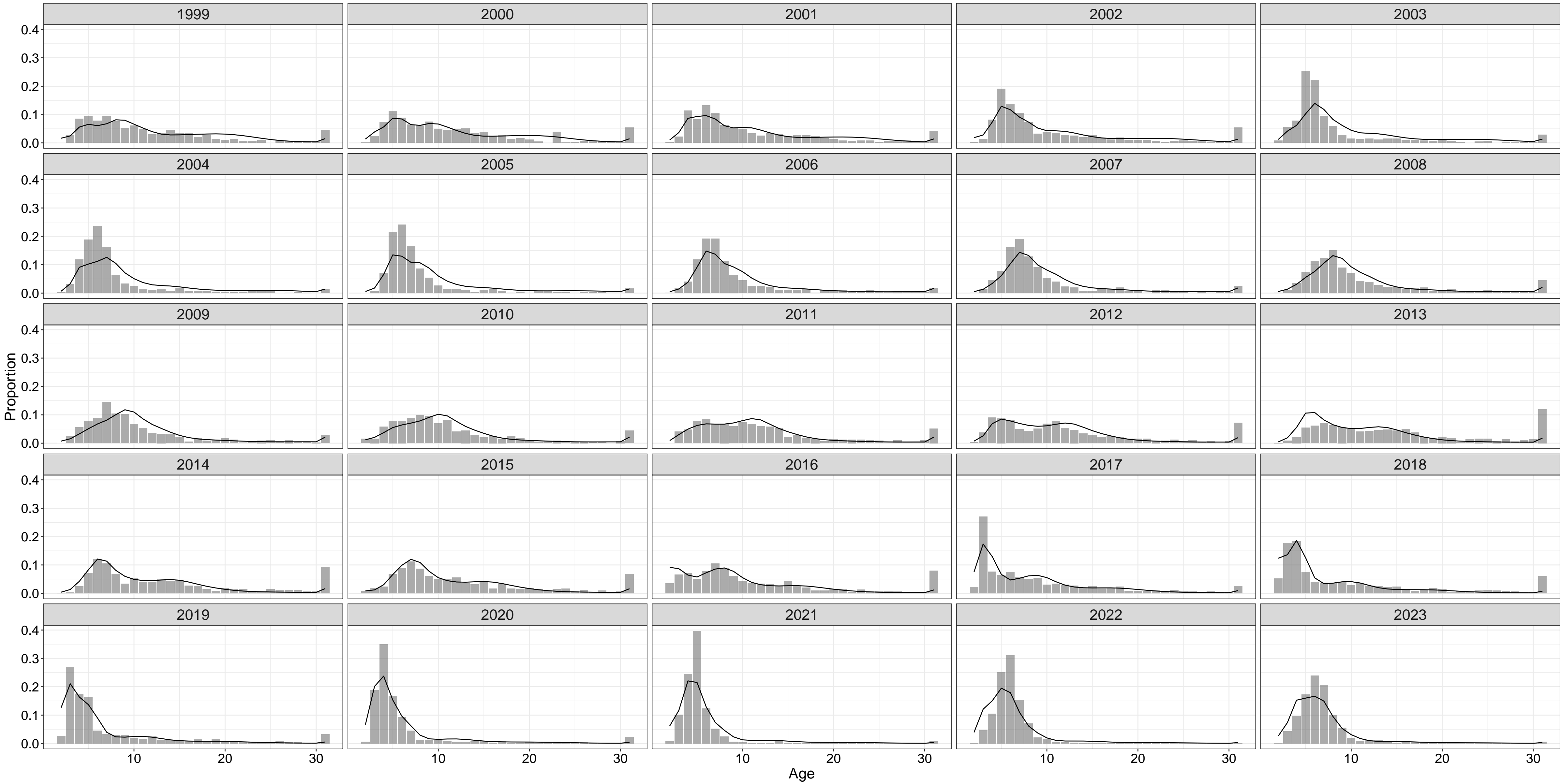


Index Residuals Runs Test

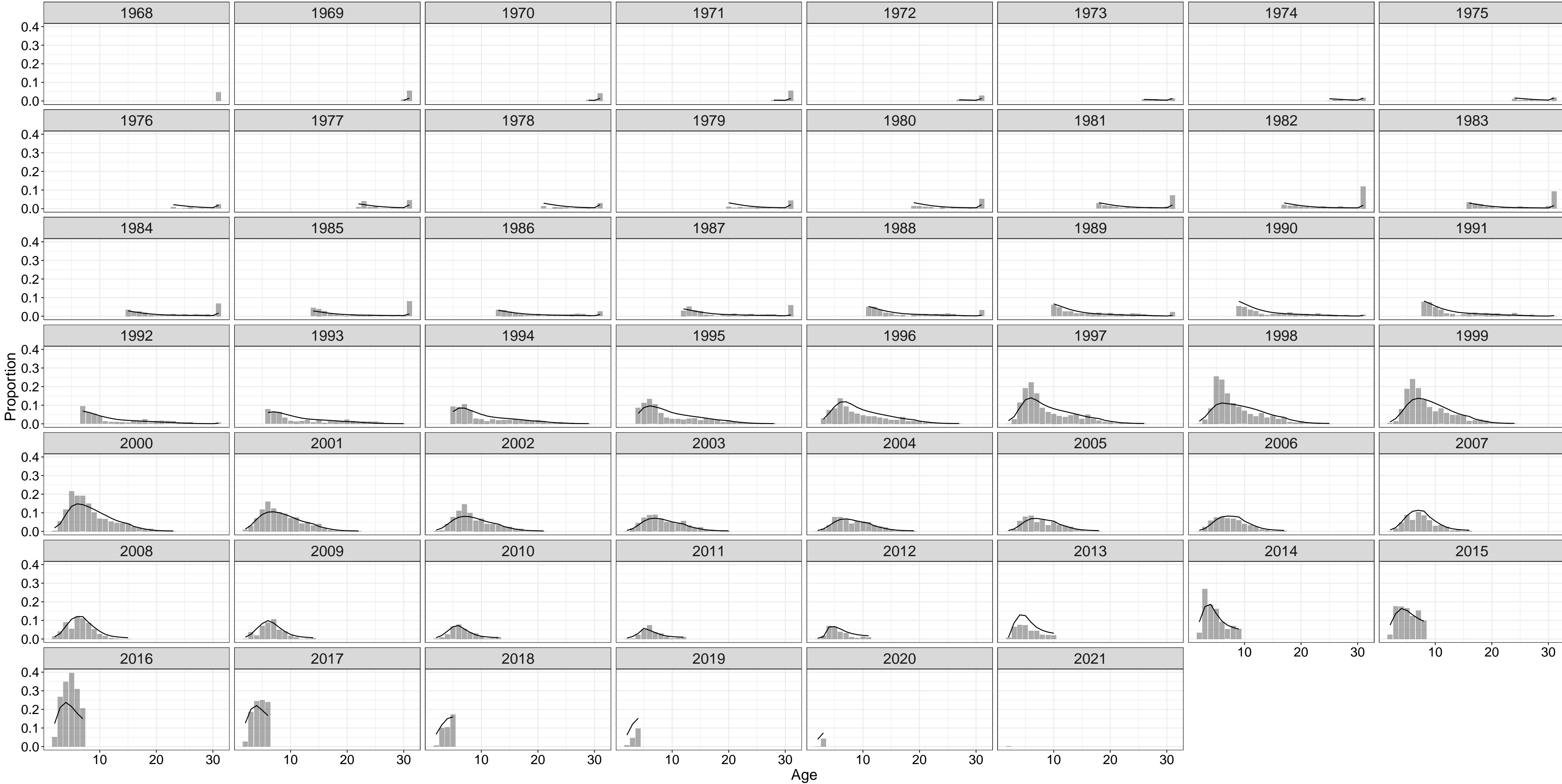


Year

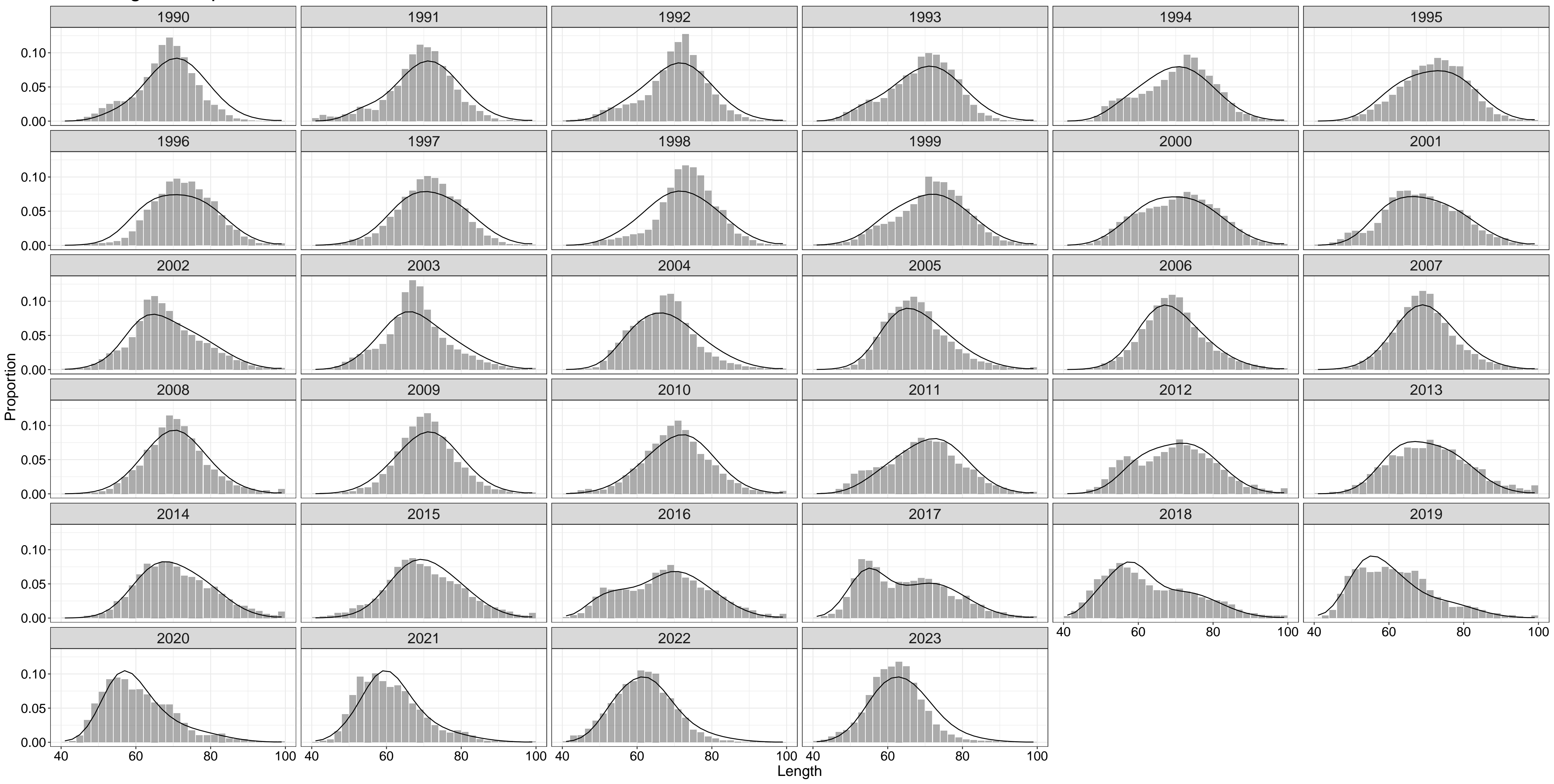
LLF Age Comps Female



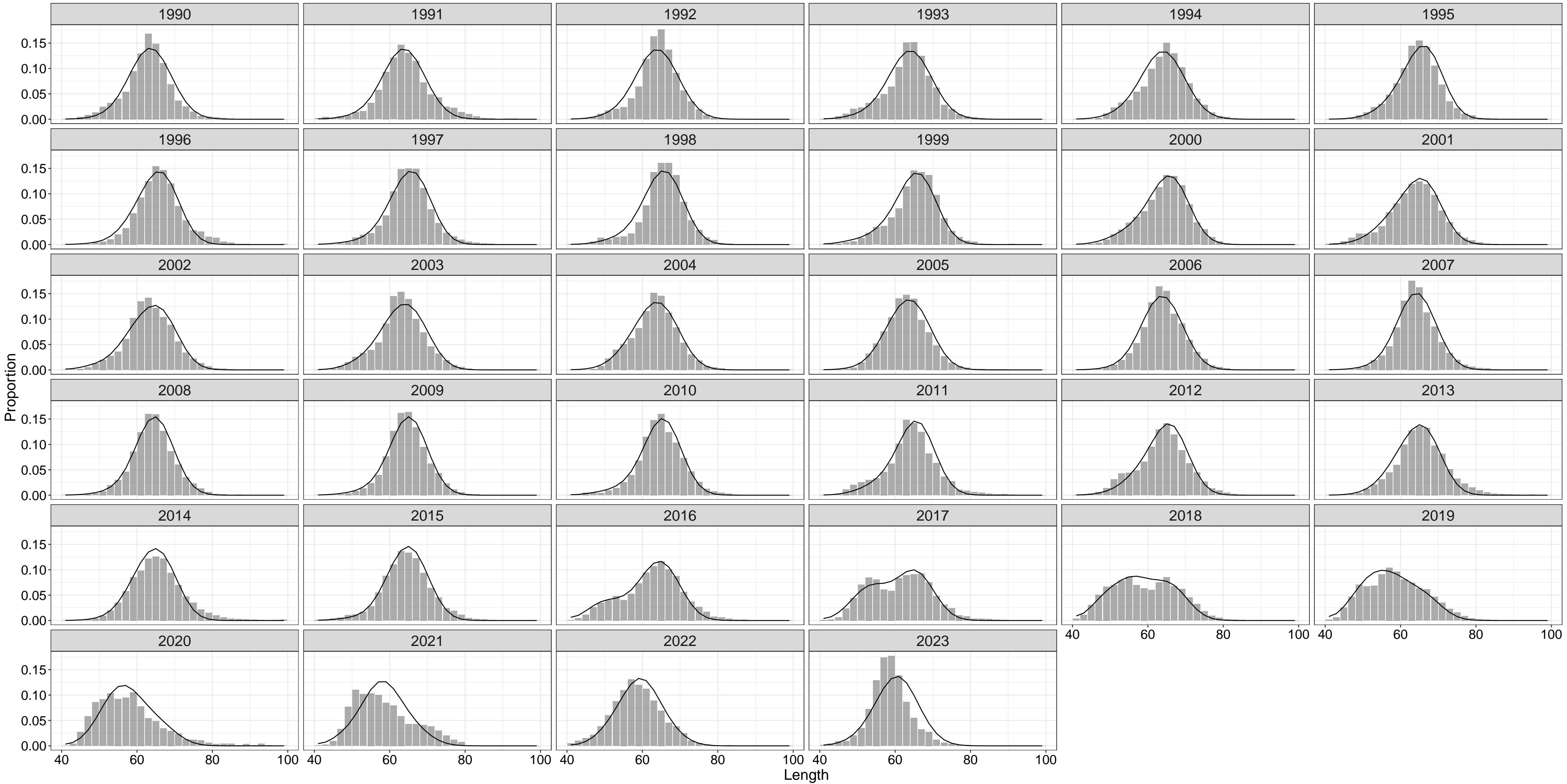
LLF Age Comps Cohort Fits Female



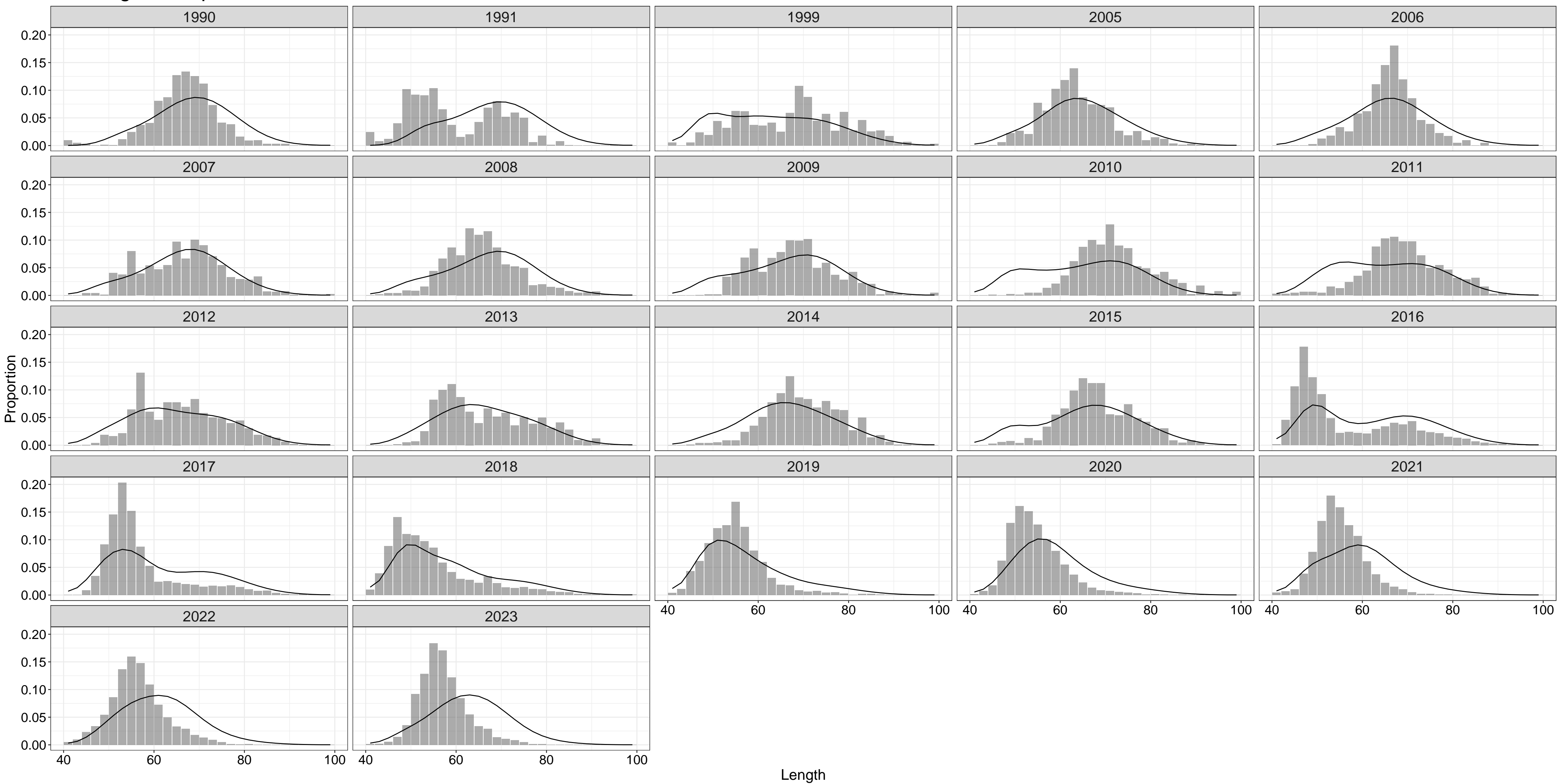
LLF Length Comps Female



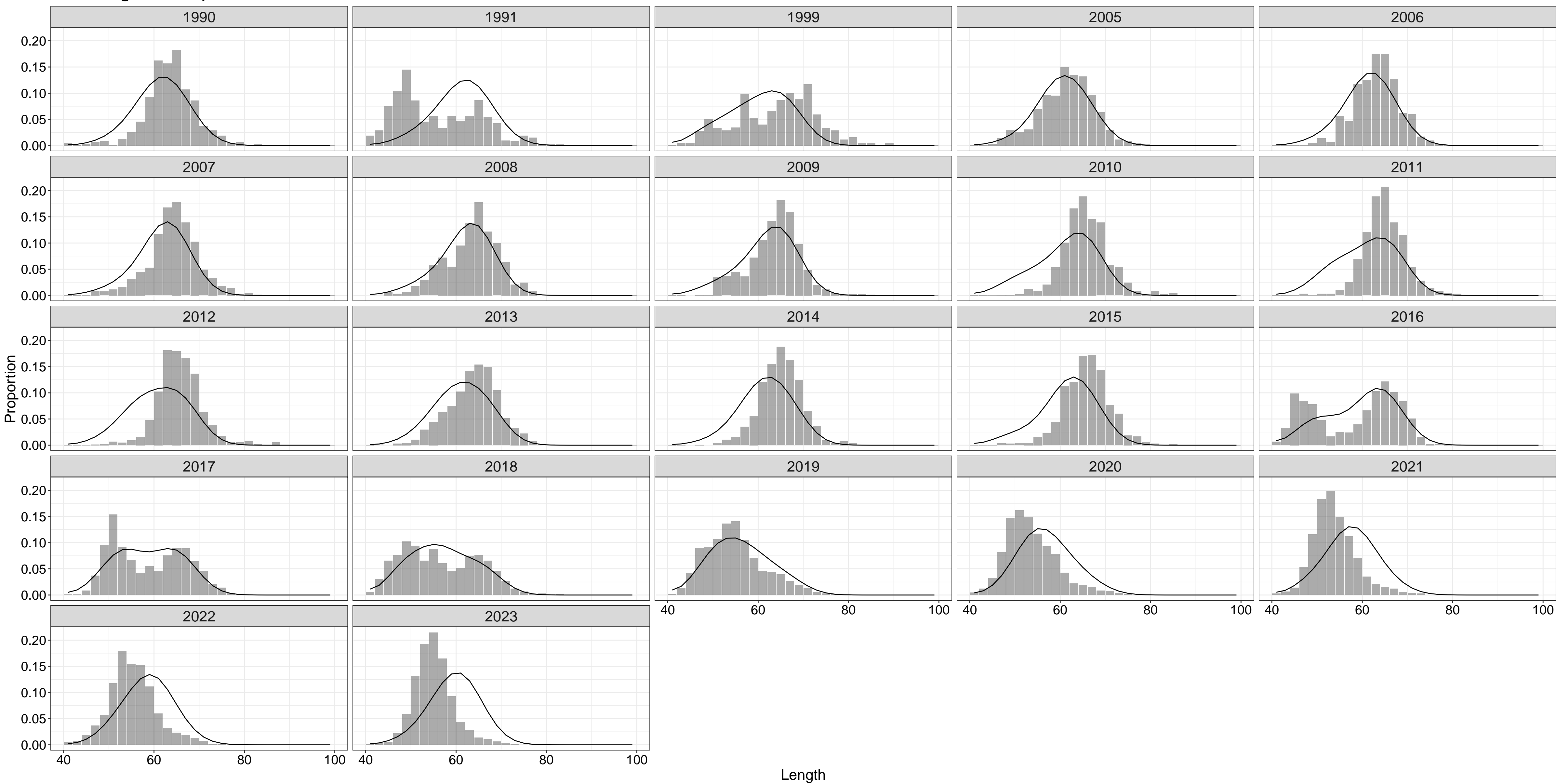
LLF Length Comps Male



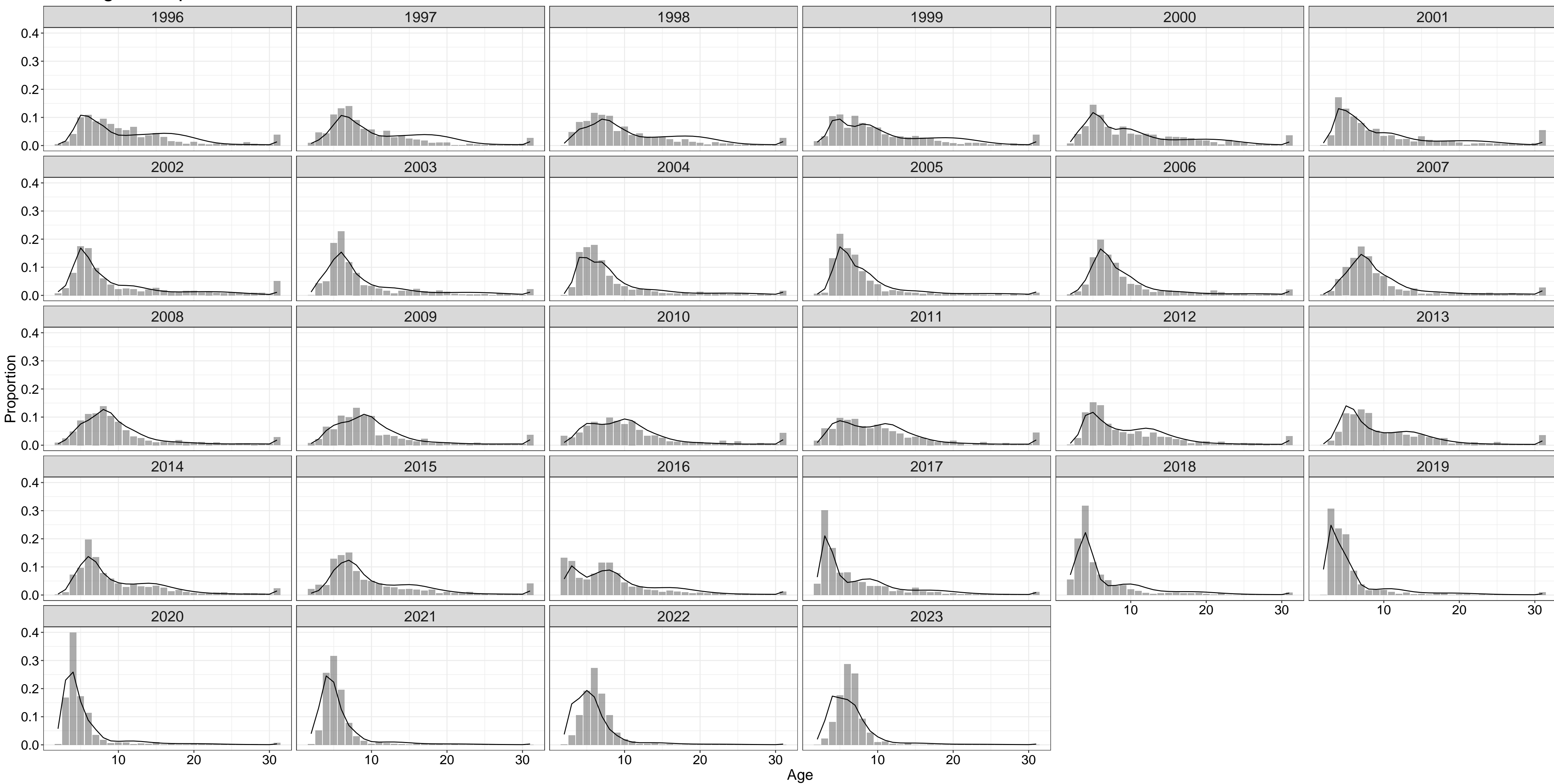
TF Length Comps Female



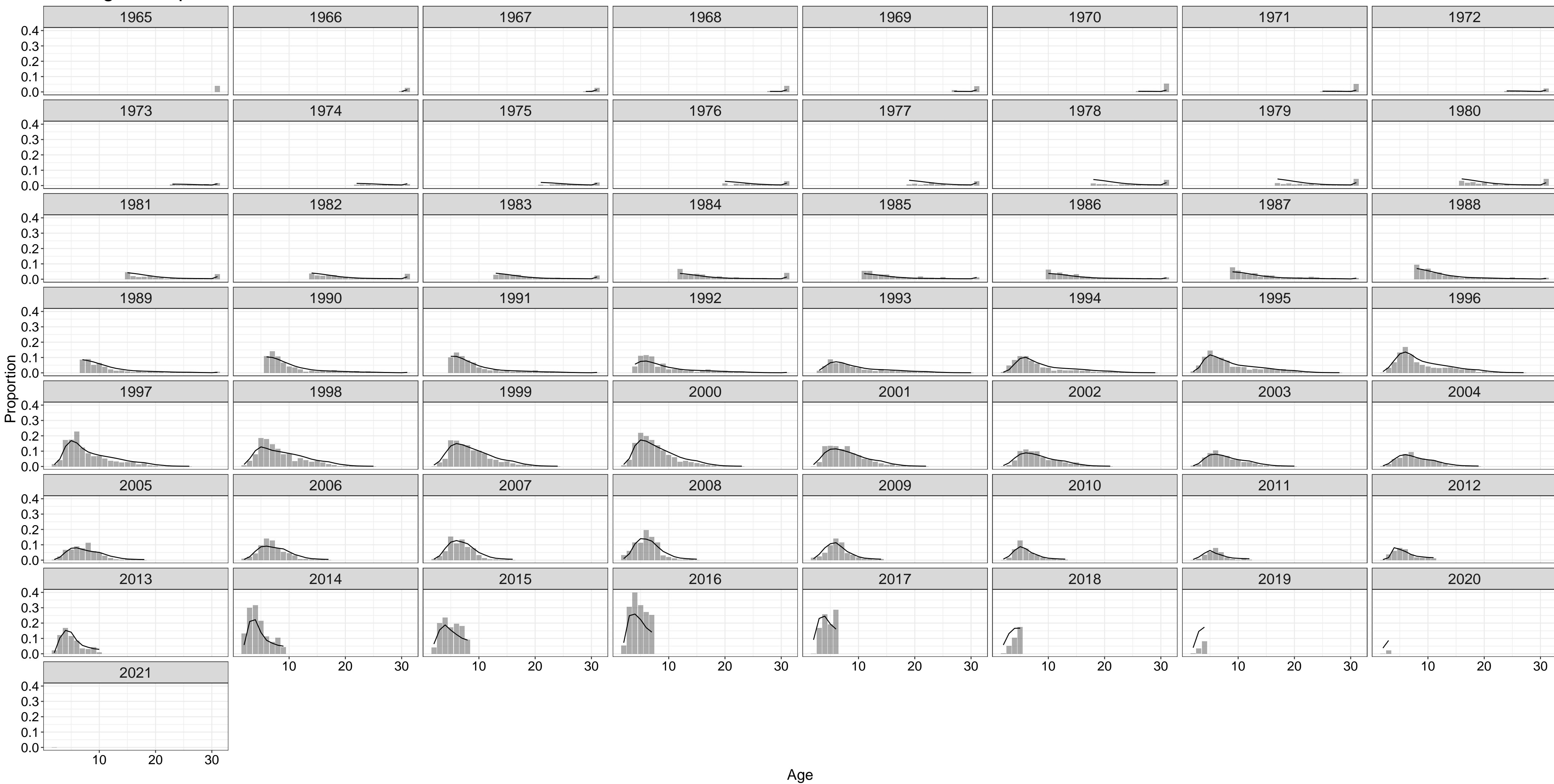
TF Length Comps Male



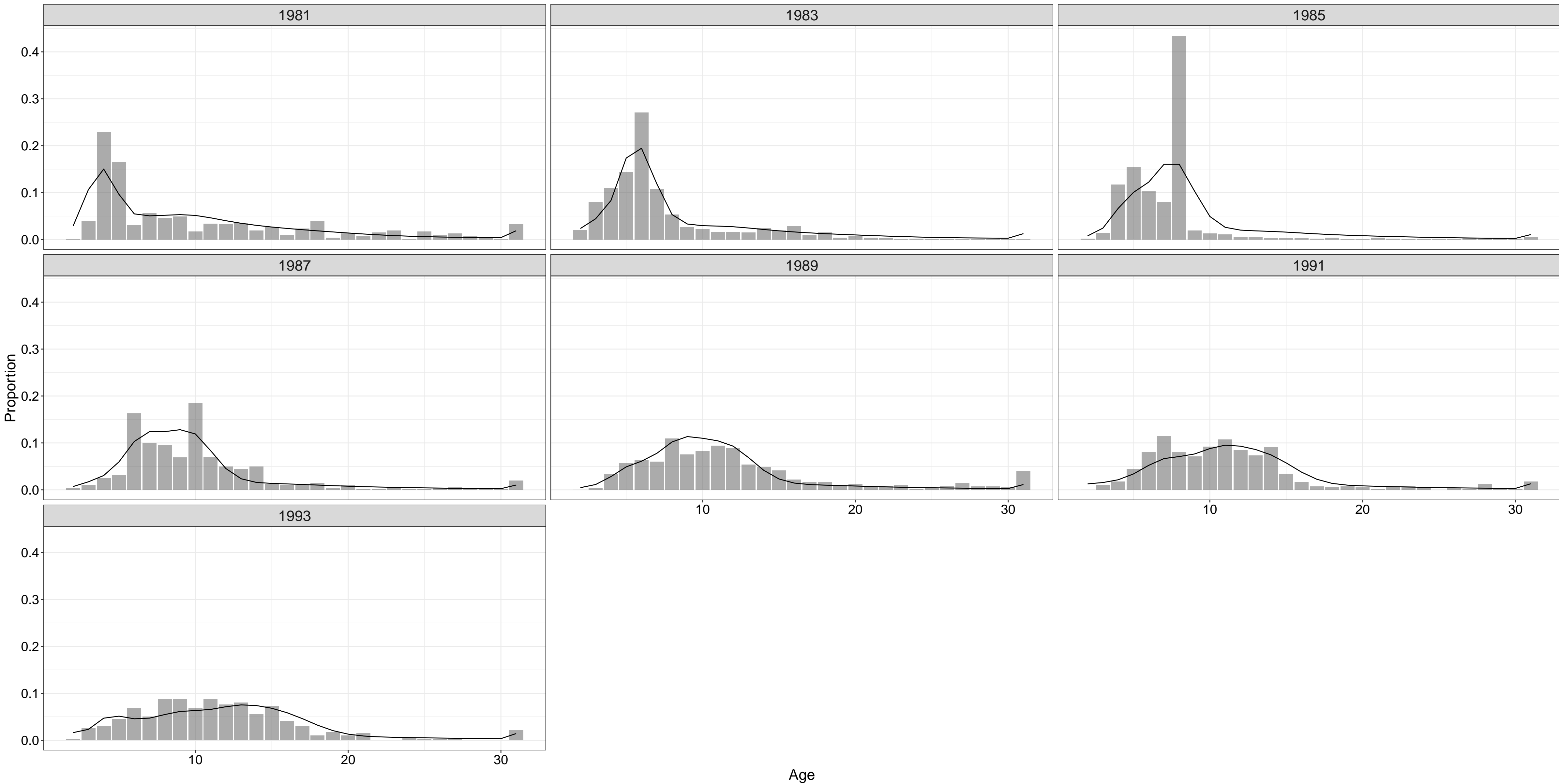
LLS Age Comps Female



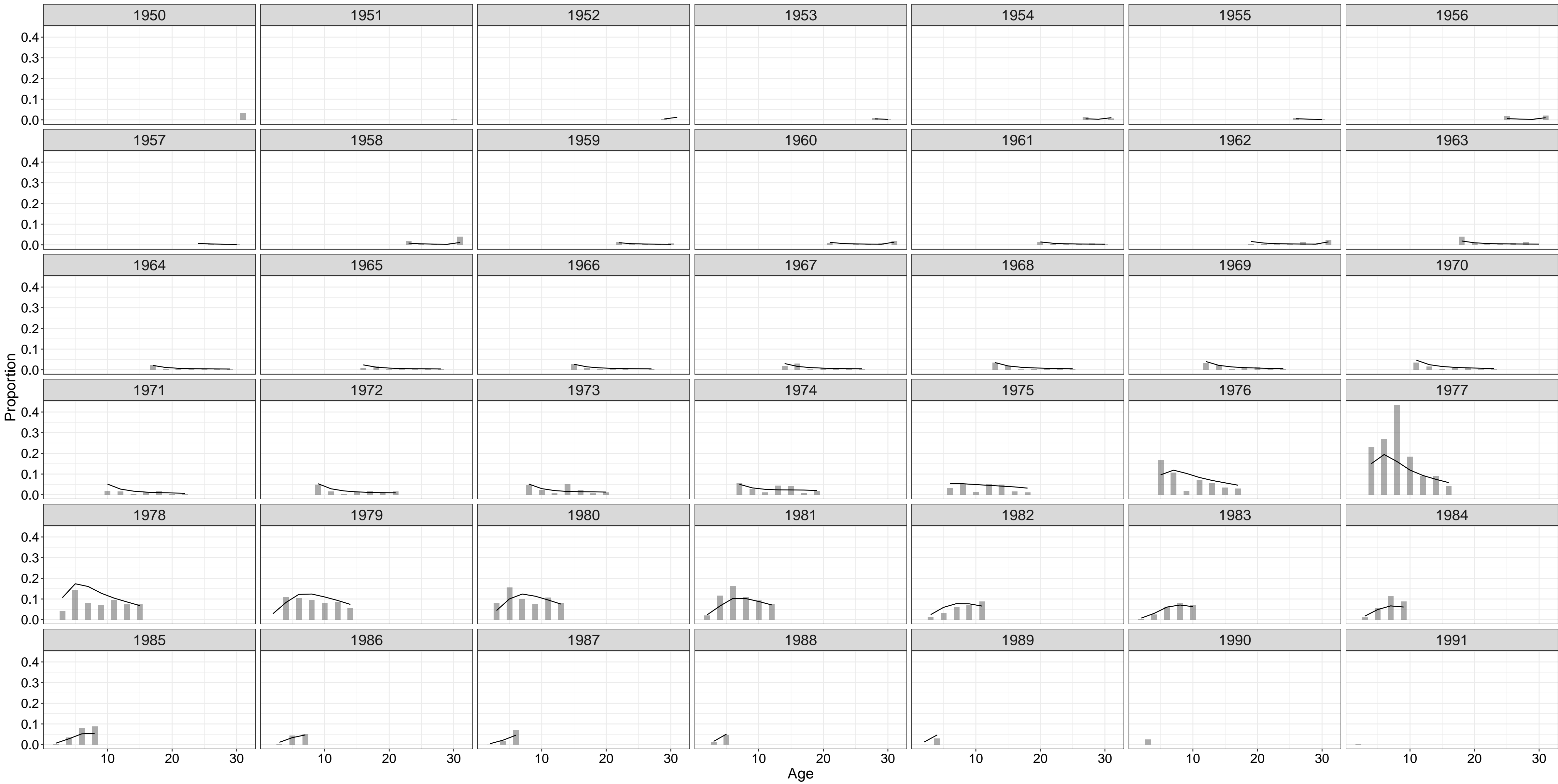
LLS Age Comps Cohort Fit Female



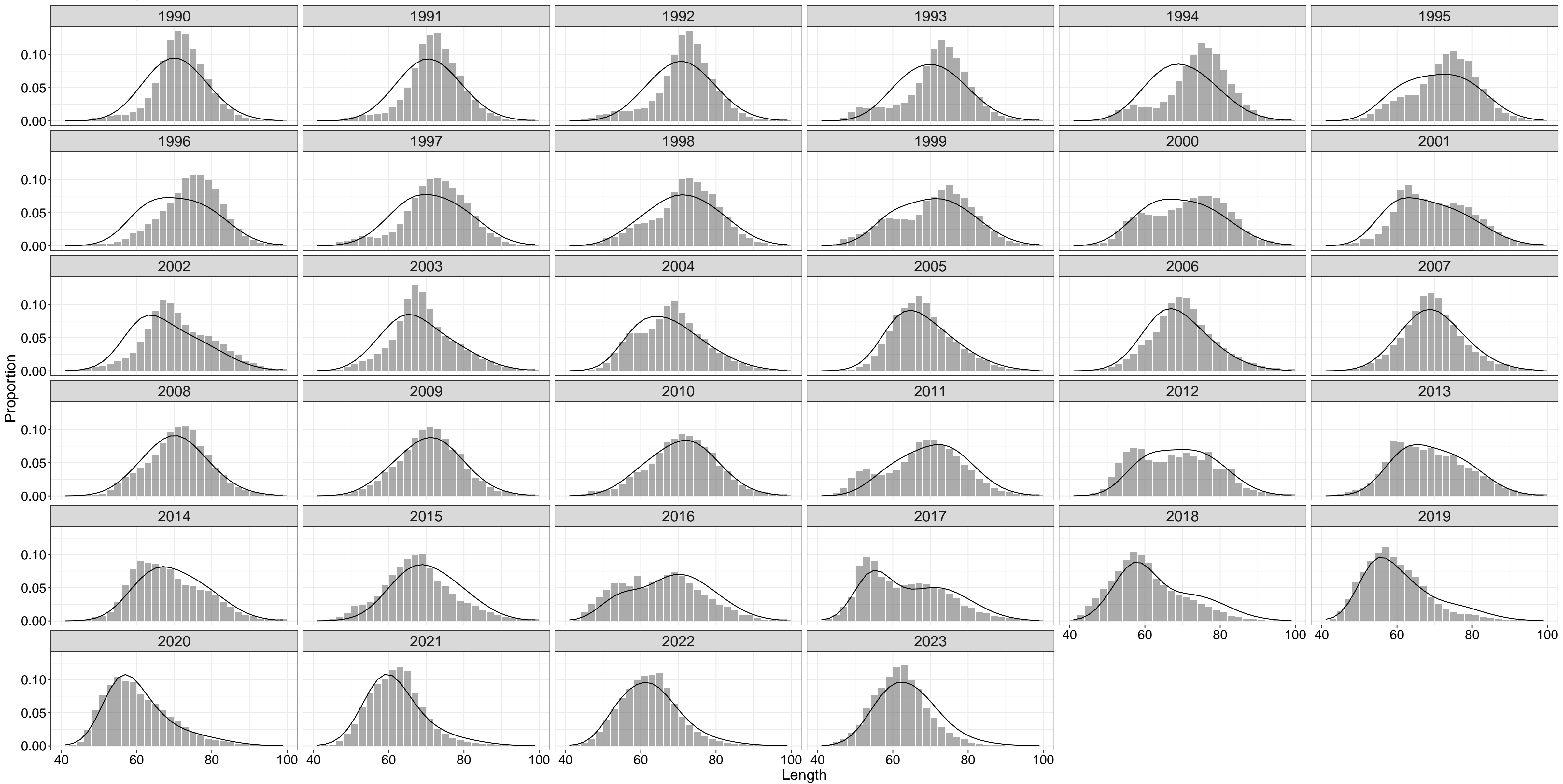
JPN LLS Age Comps Female



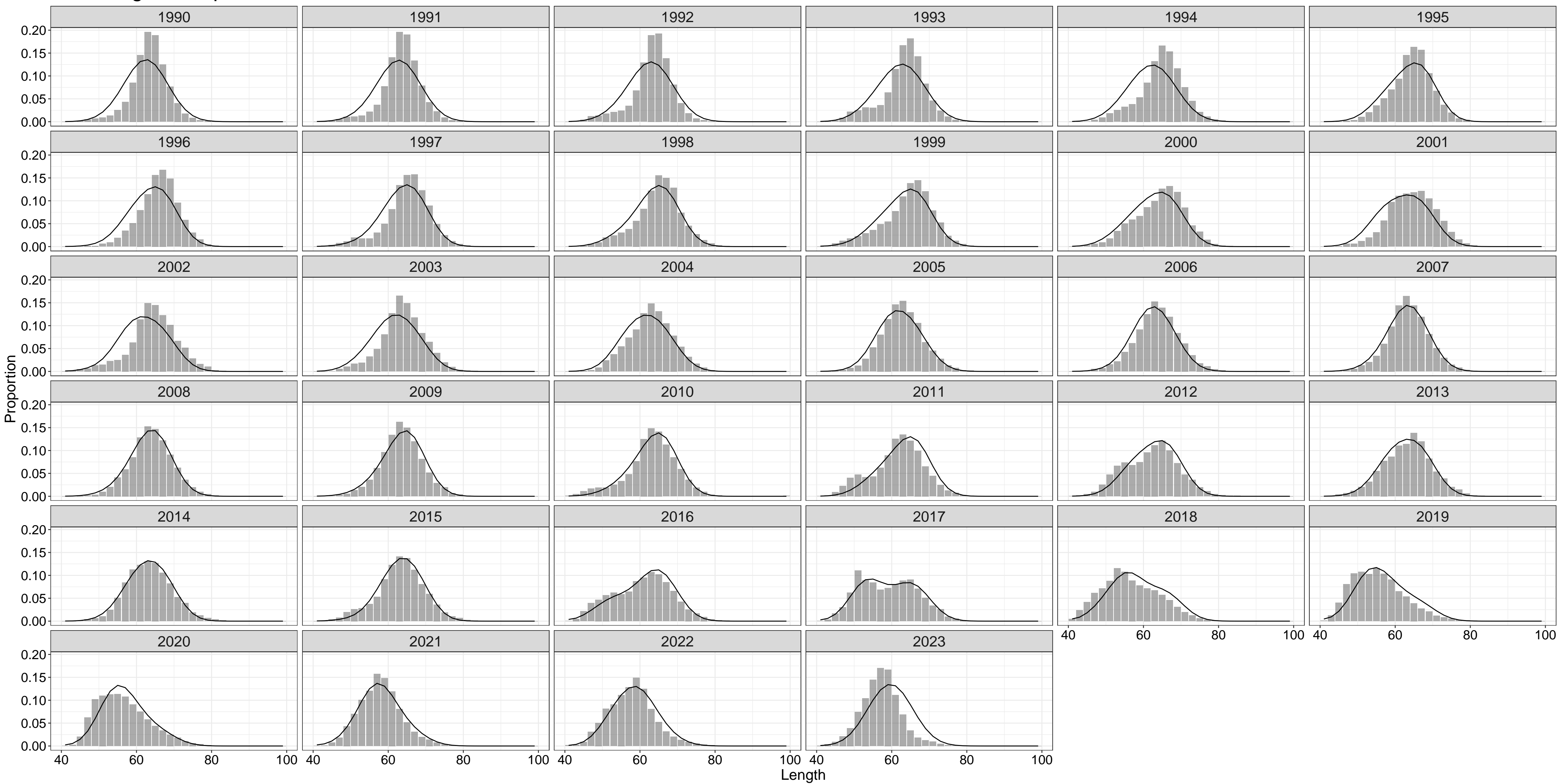
JPN LLS Age Comps Cohort Fit Female



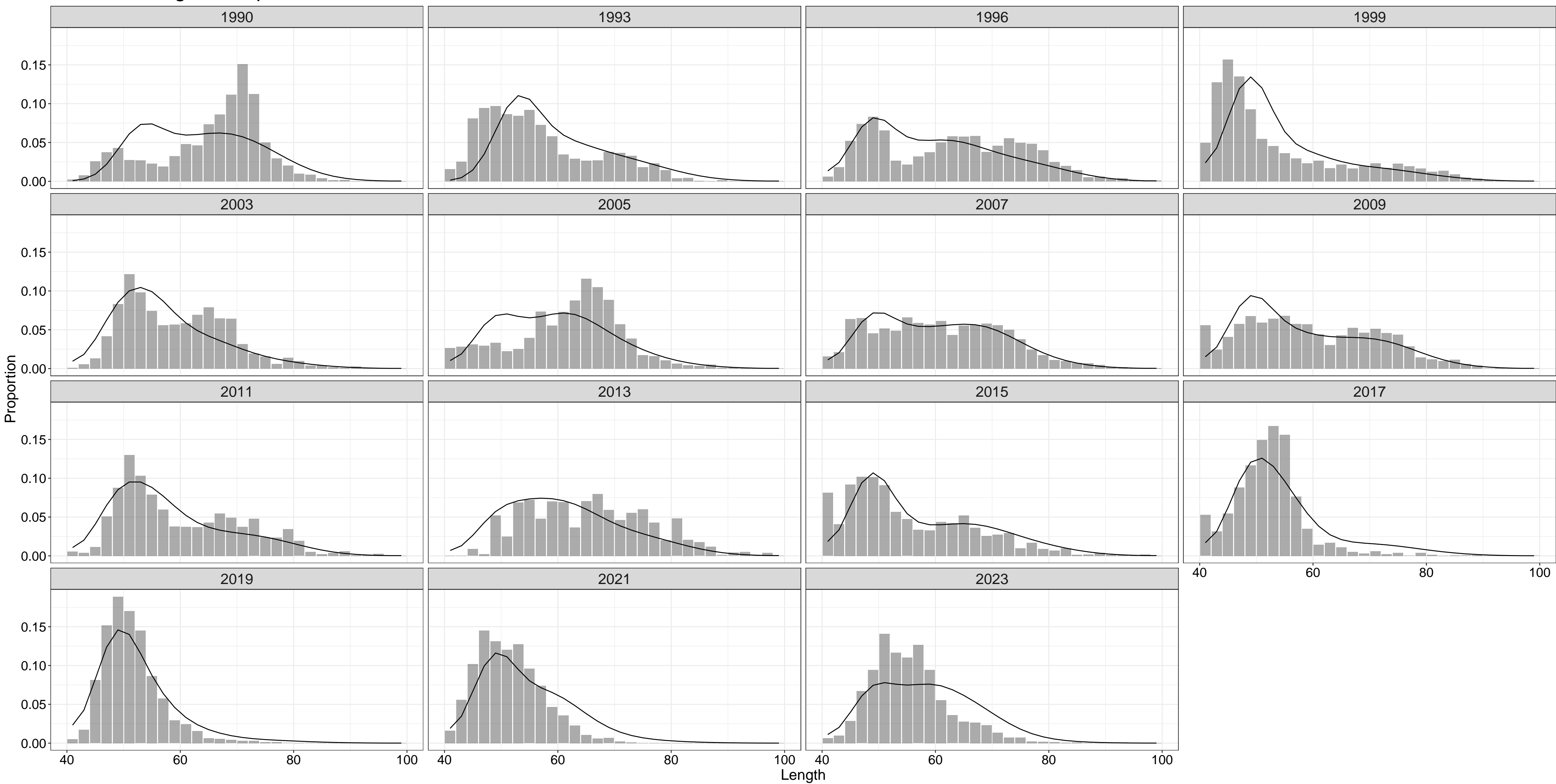
LLS Length Comps Female



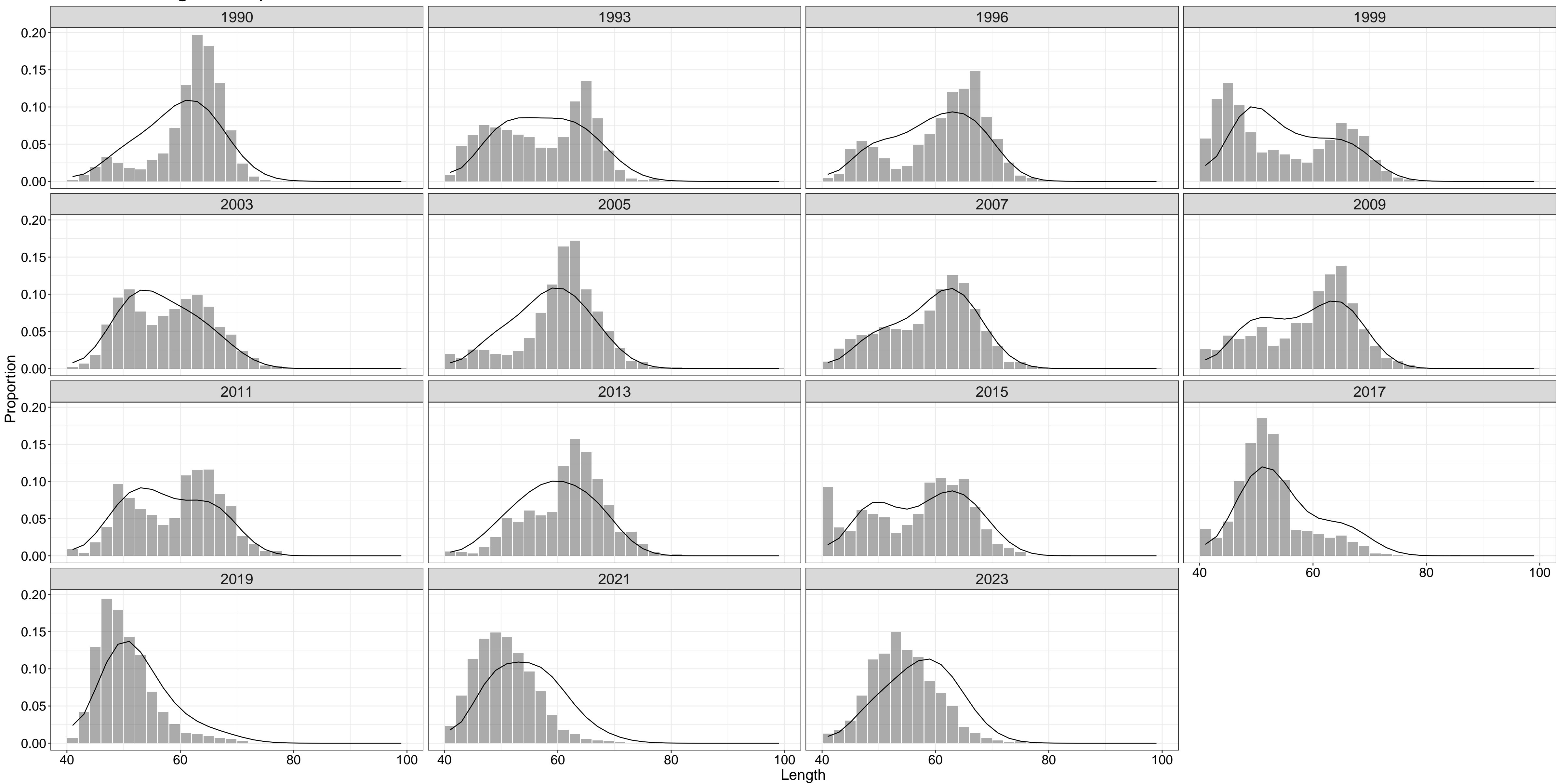
LLS Length Comps Male



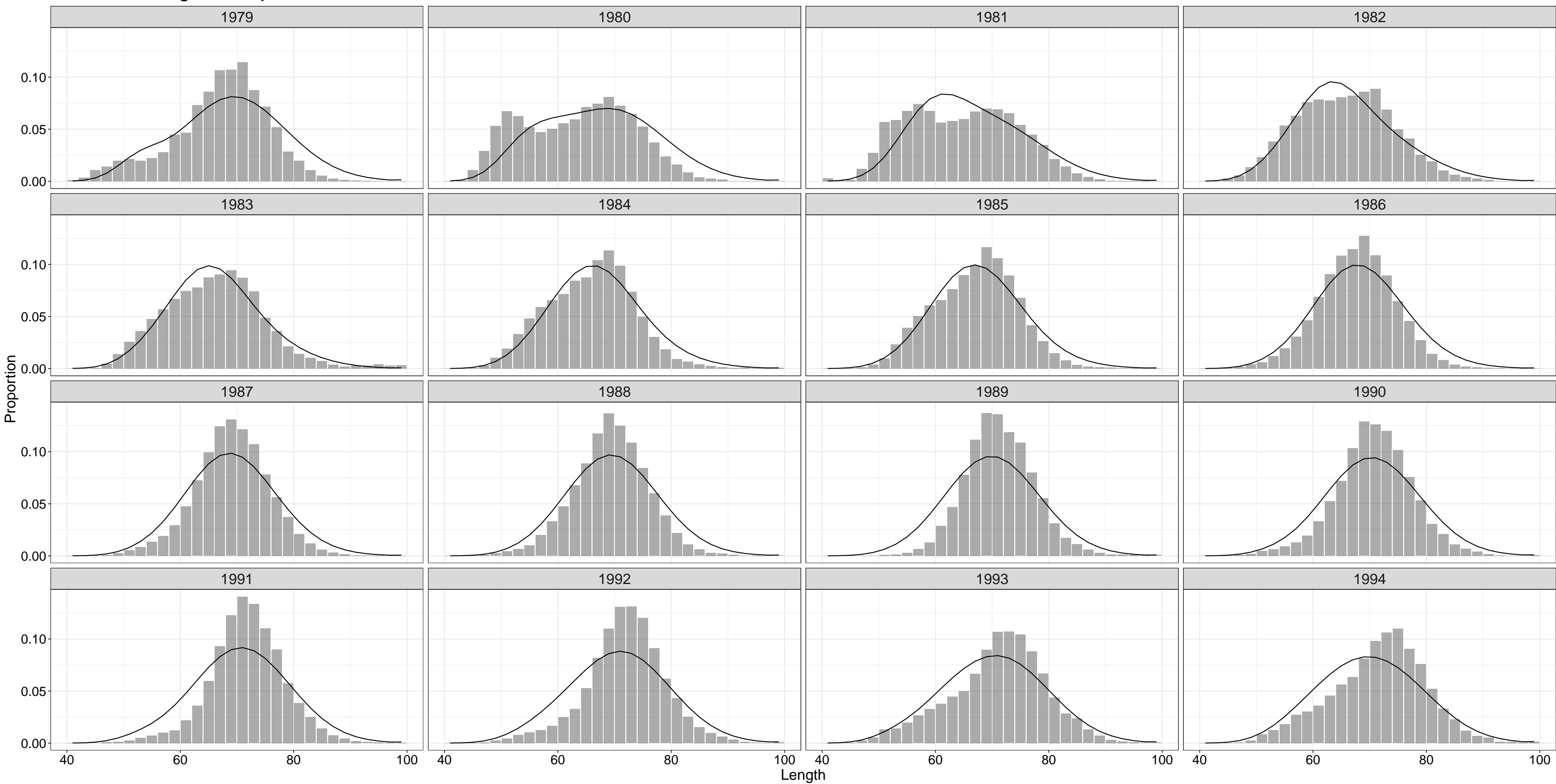
GOA TS Length Comps Female



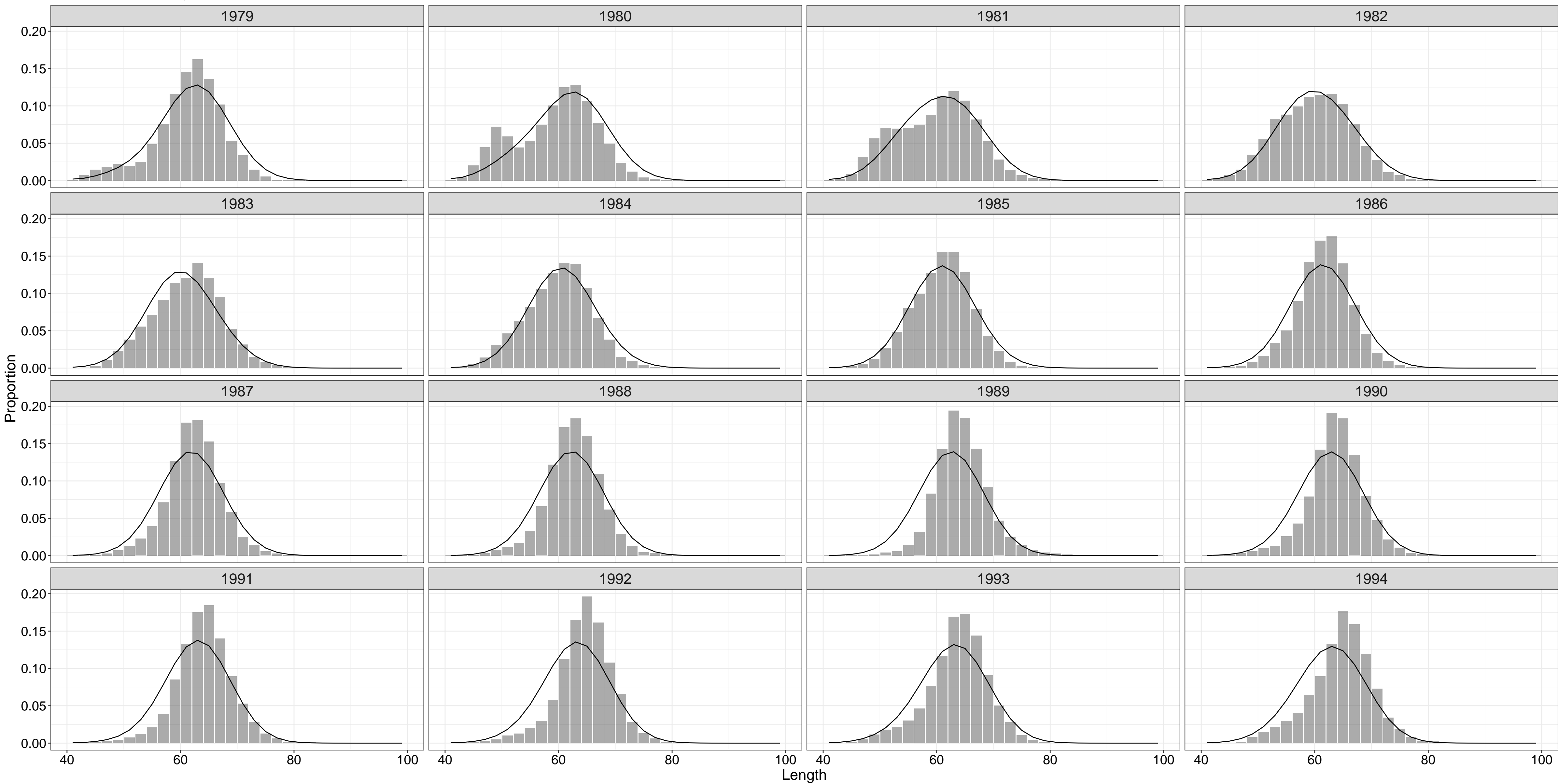
GOA TS Length Comps Male

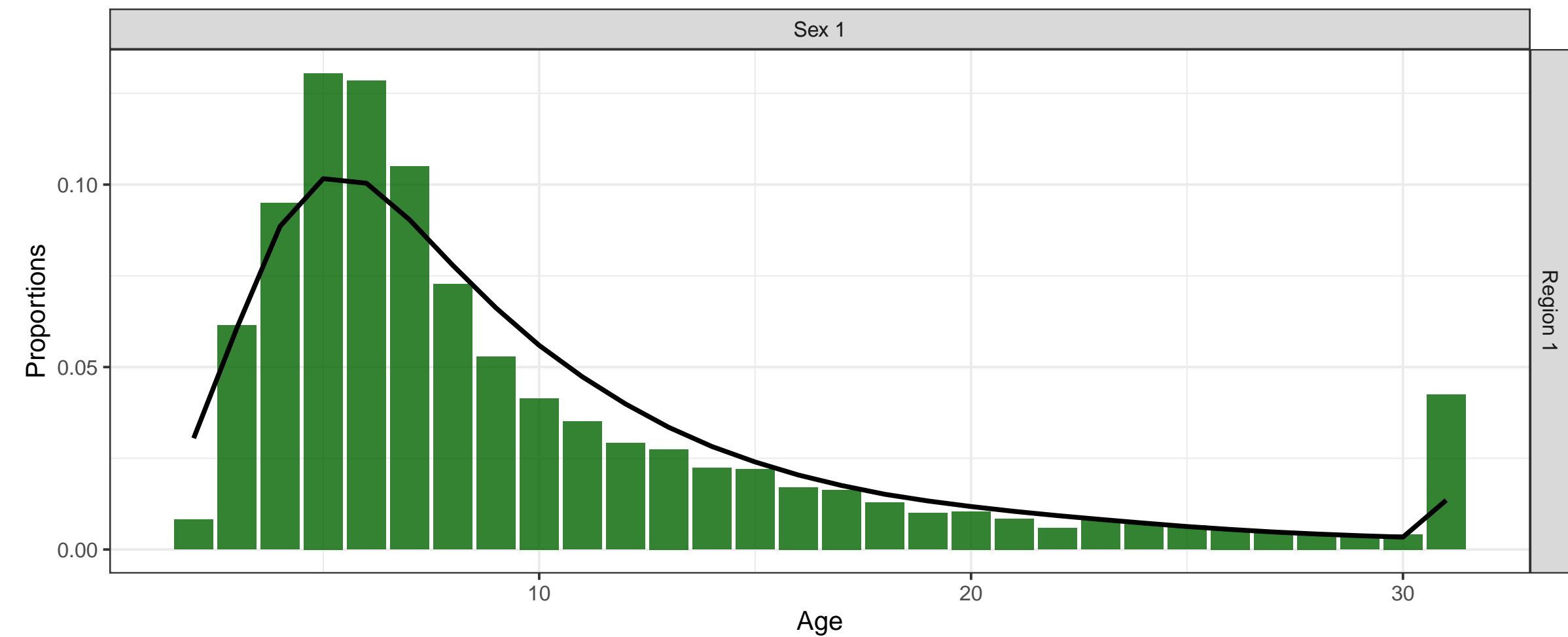
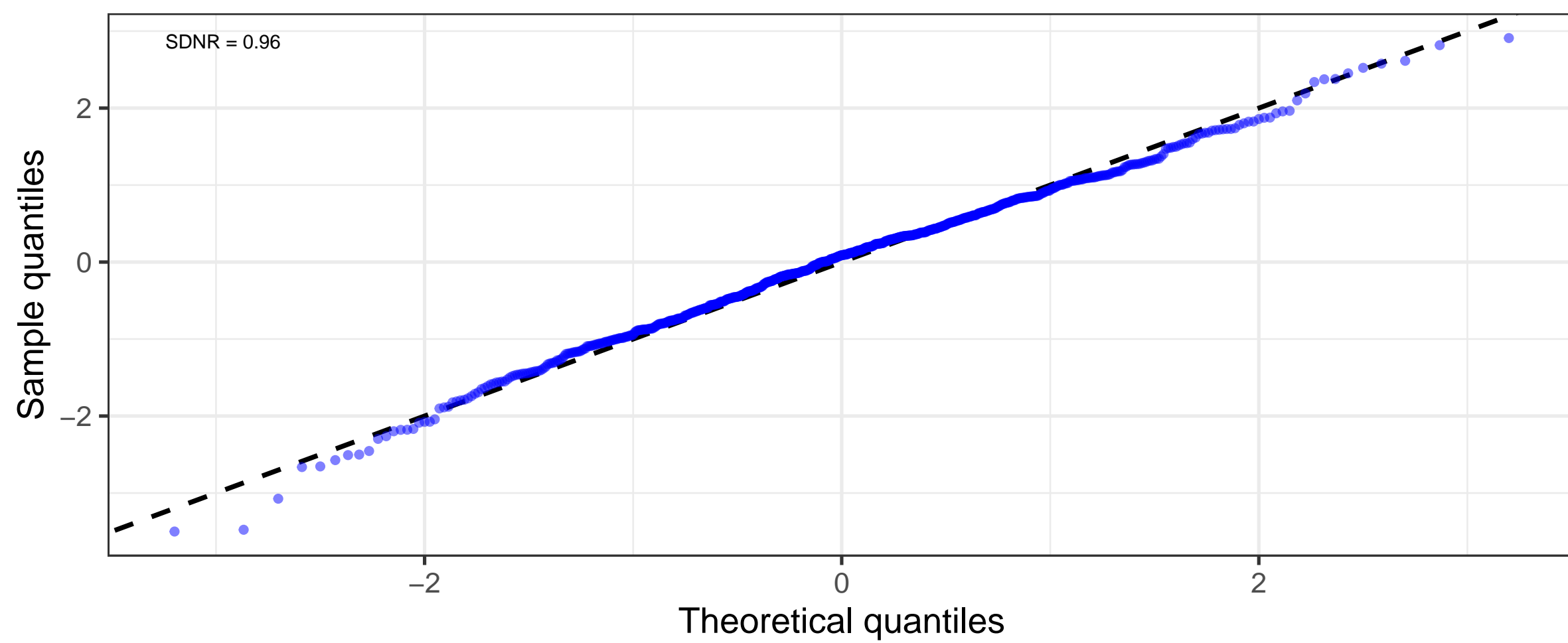
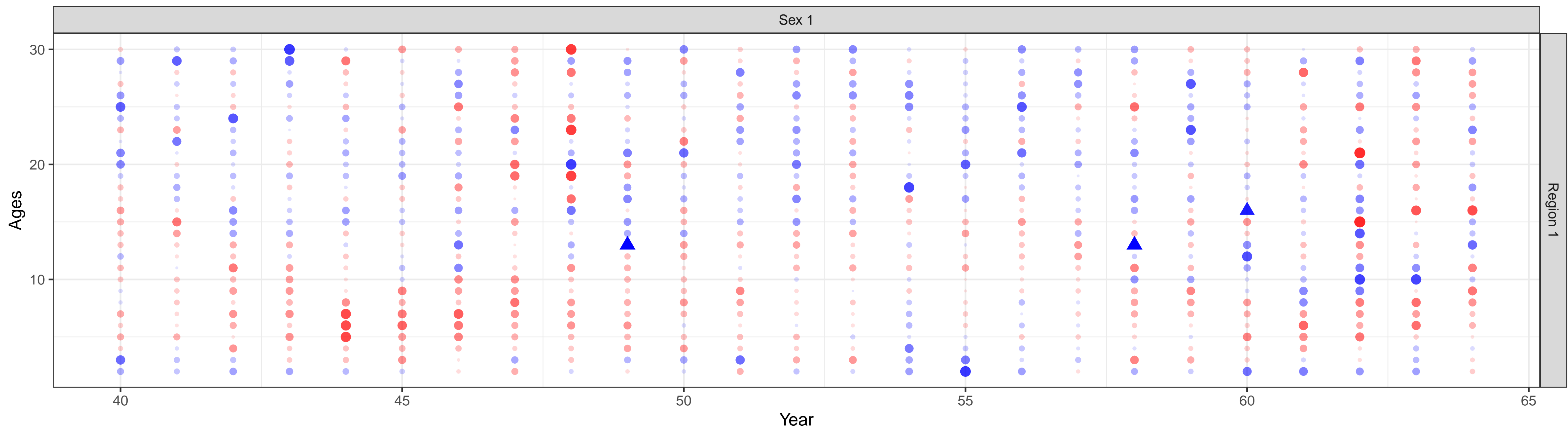


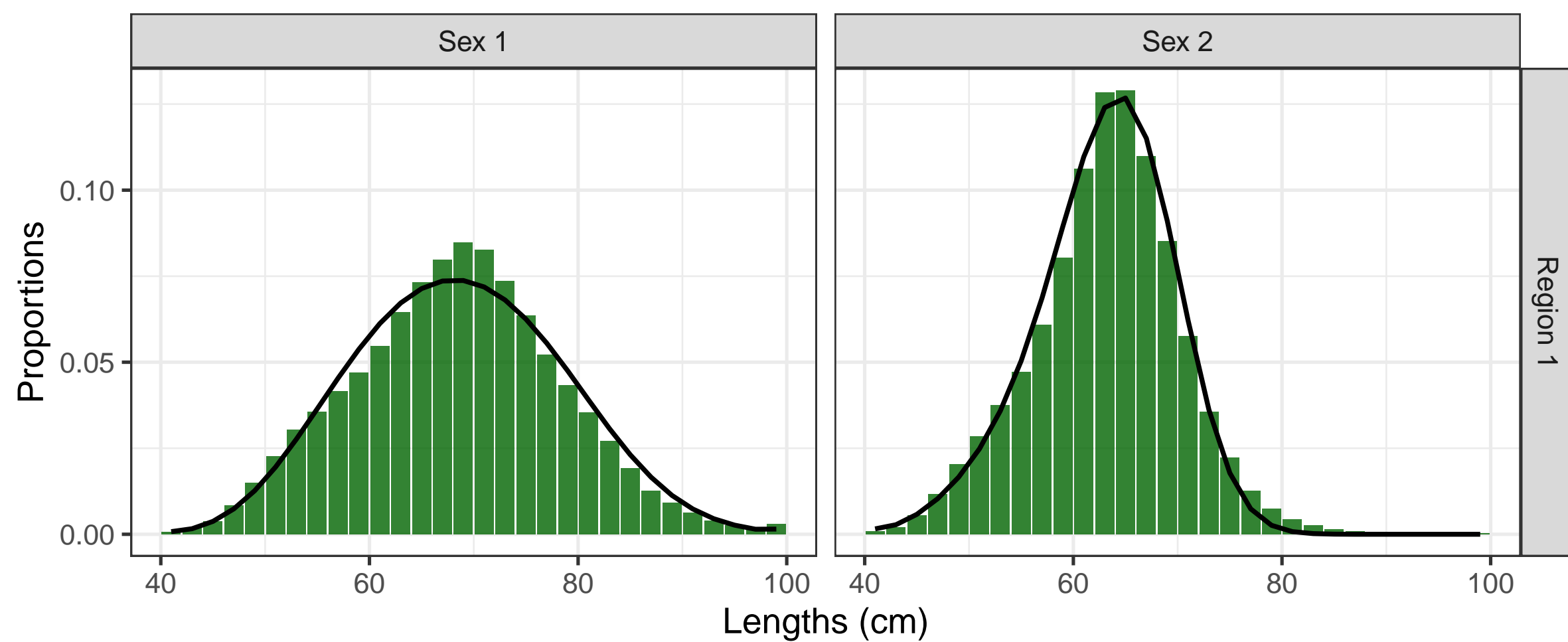
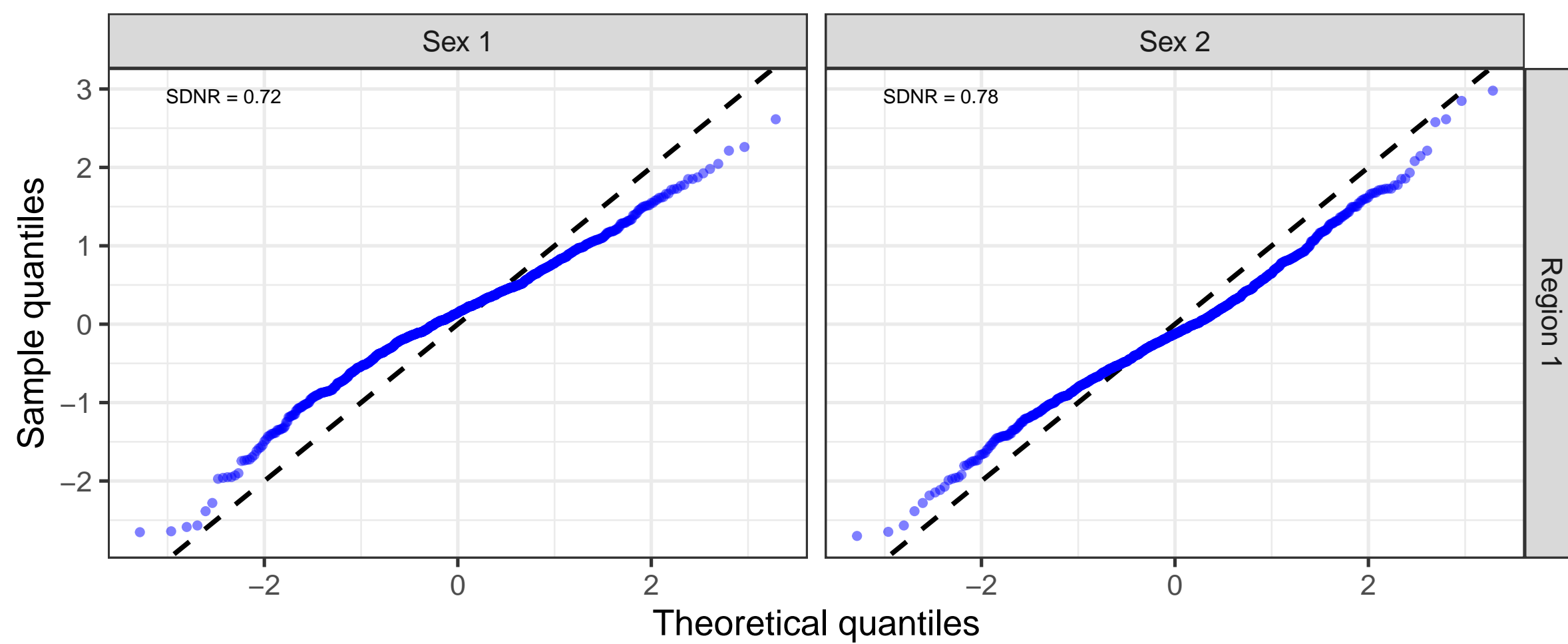
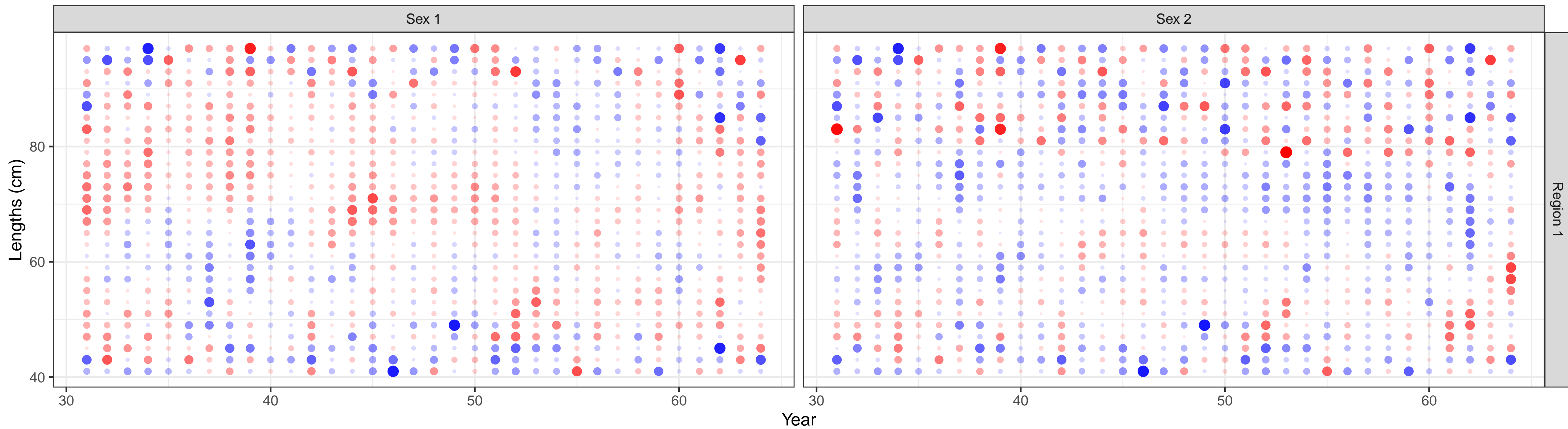
JPN LLS Length Comps Female

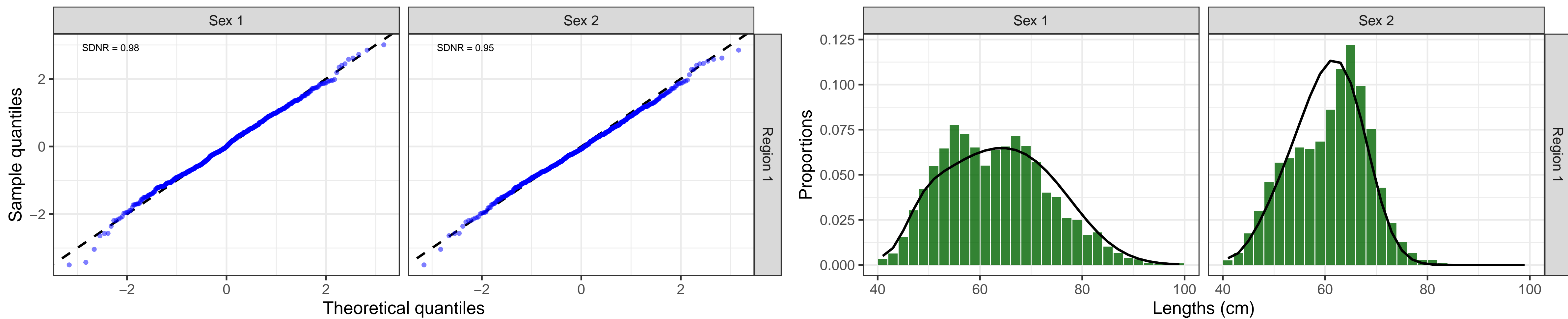
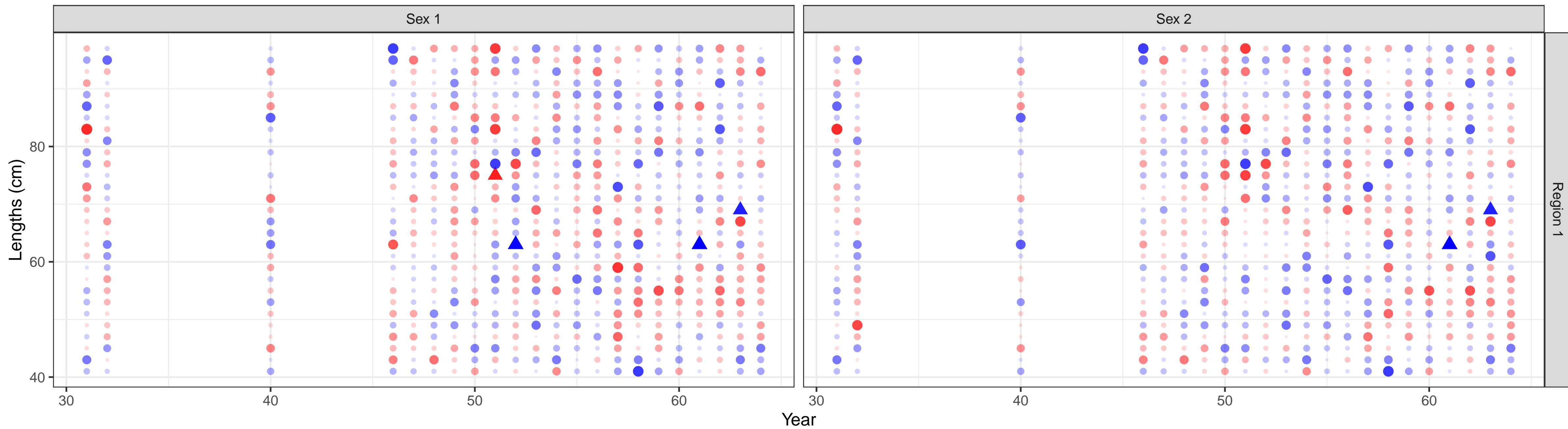


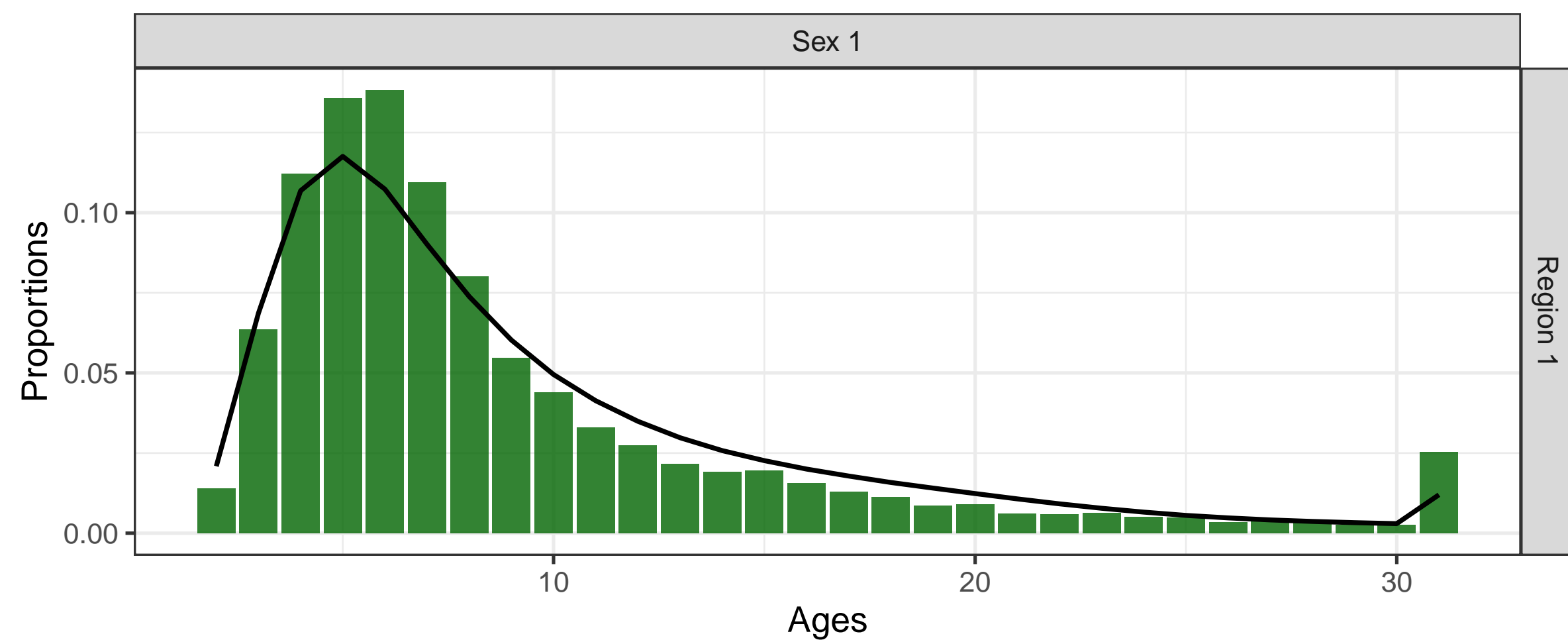
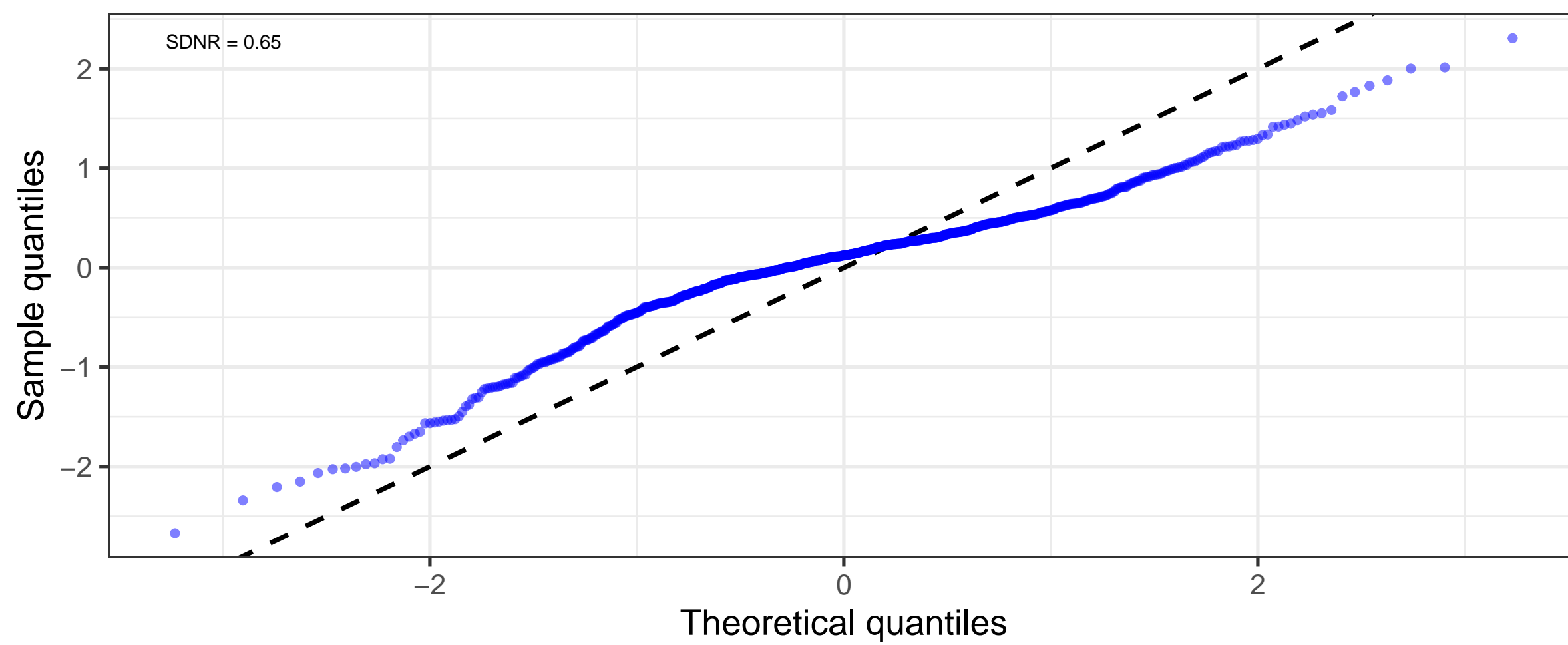
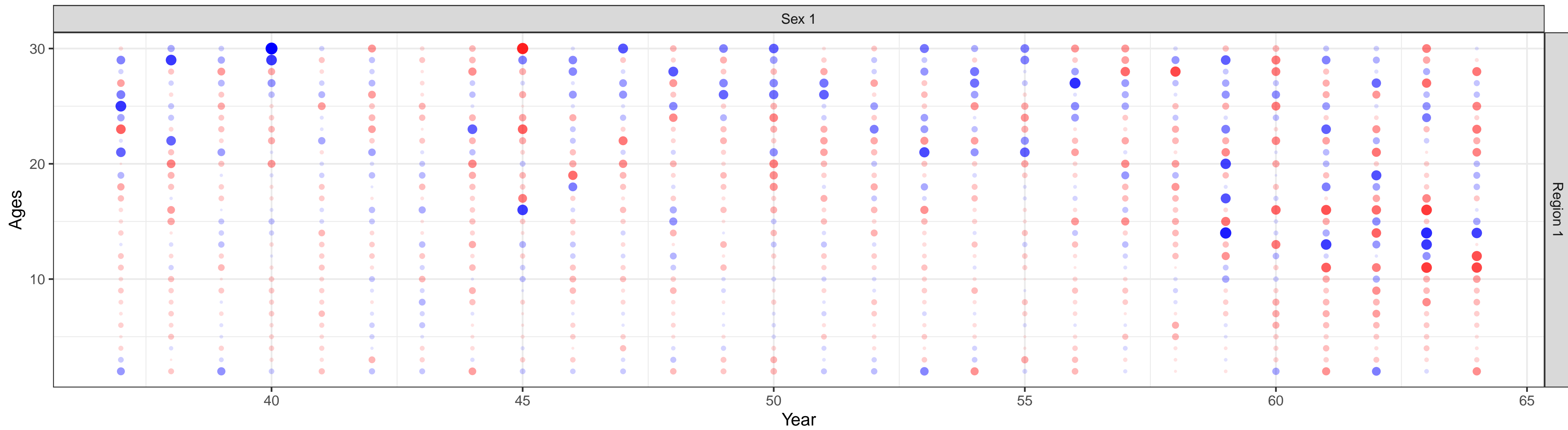
JPN LLS Length Comps Male

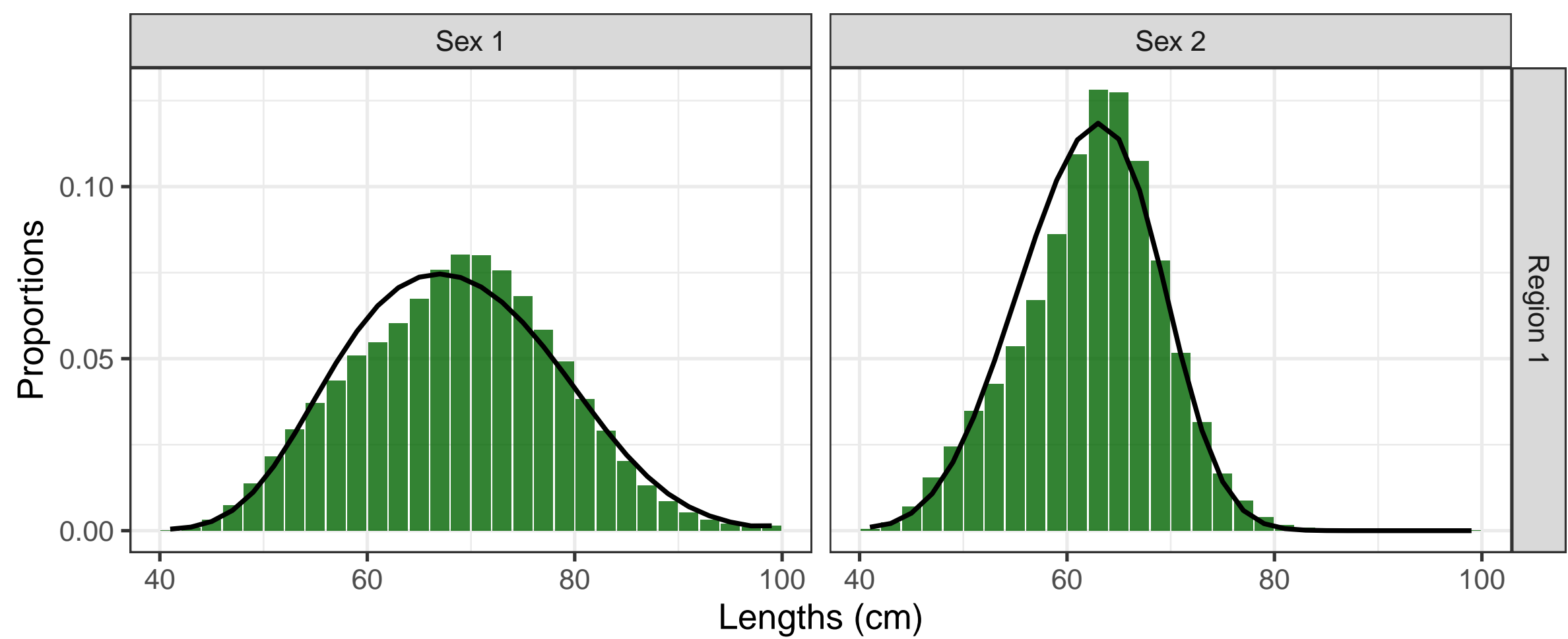
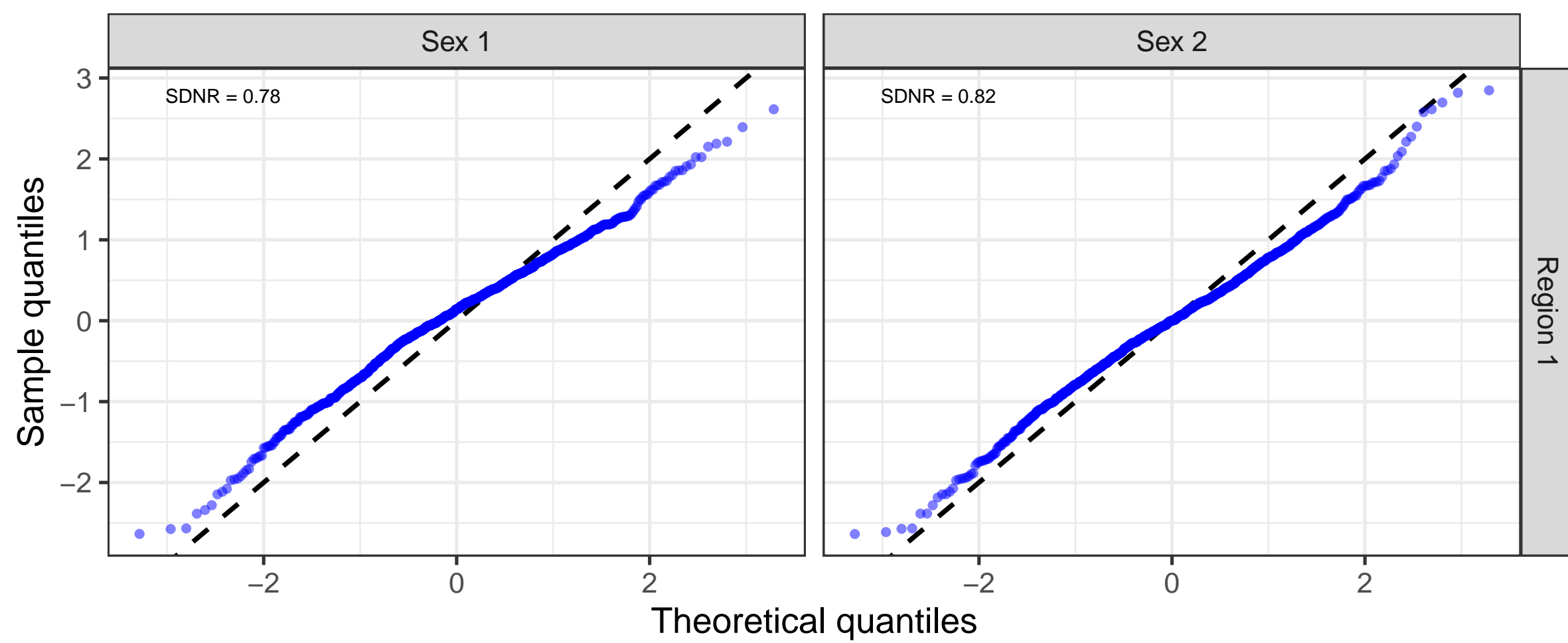
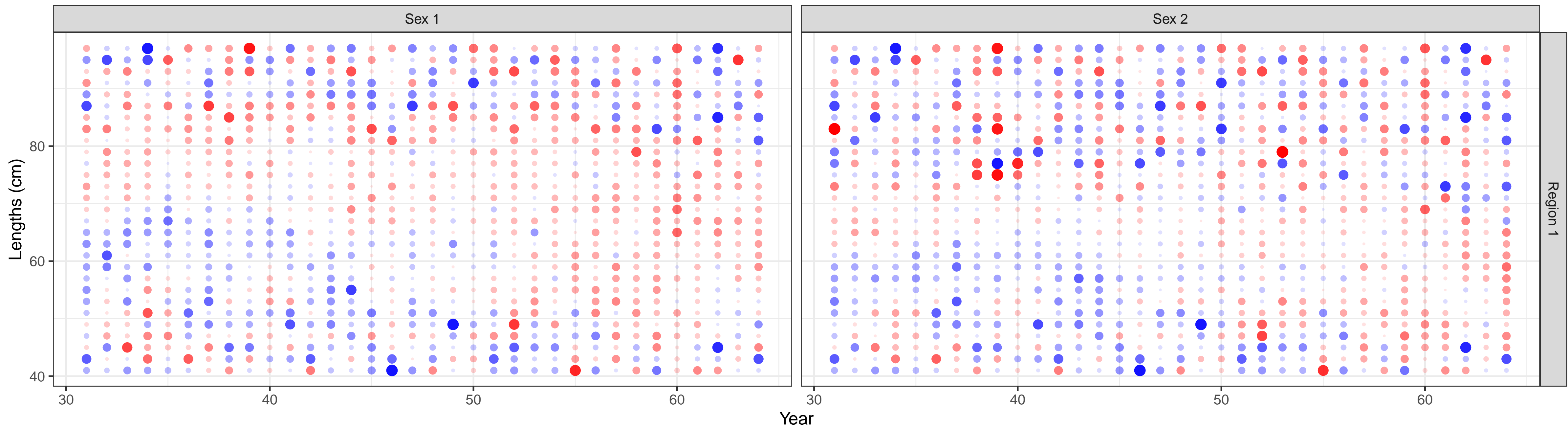


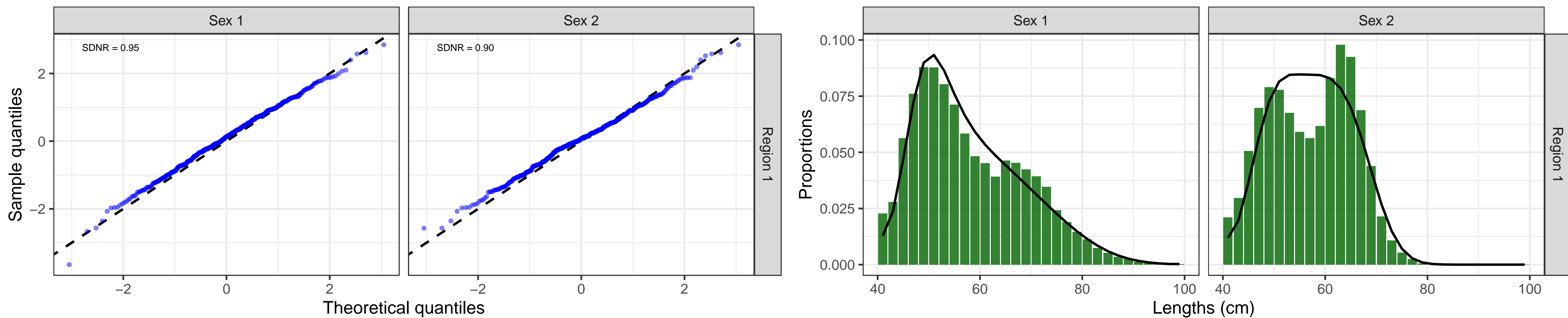
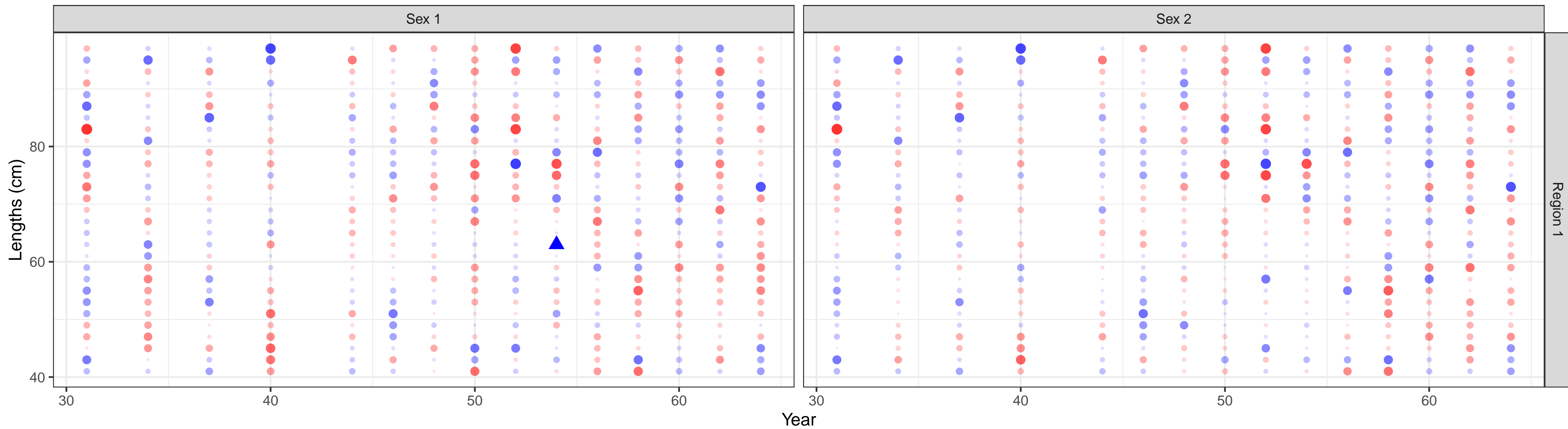




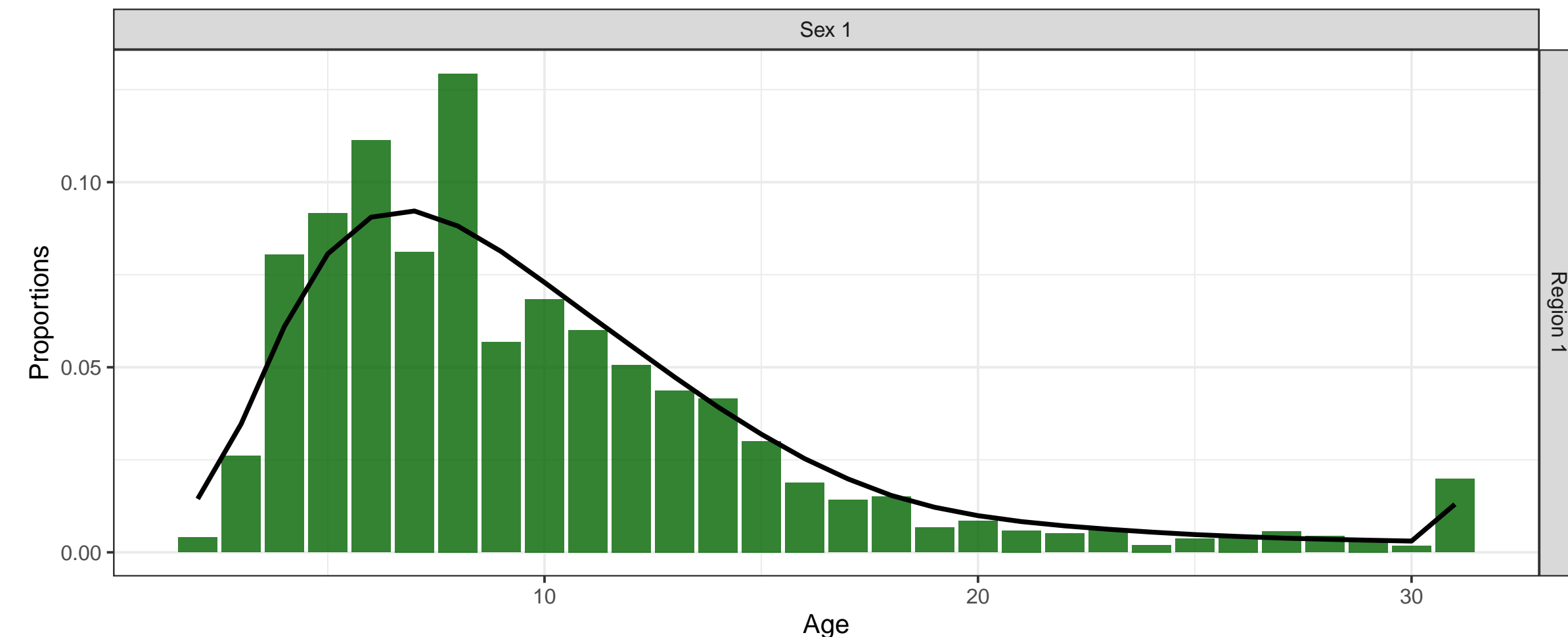
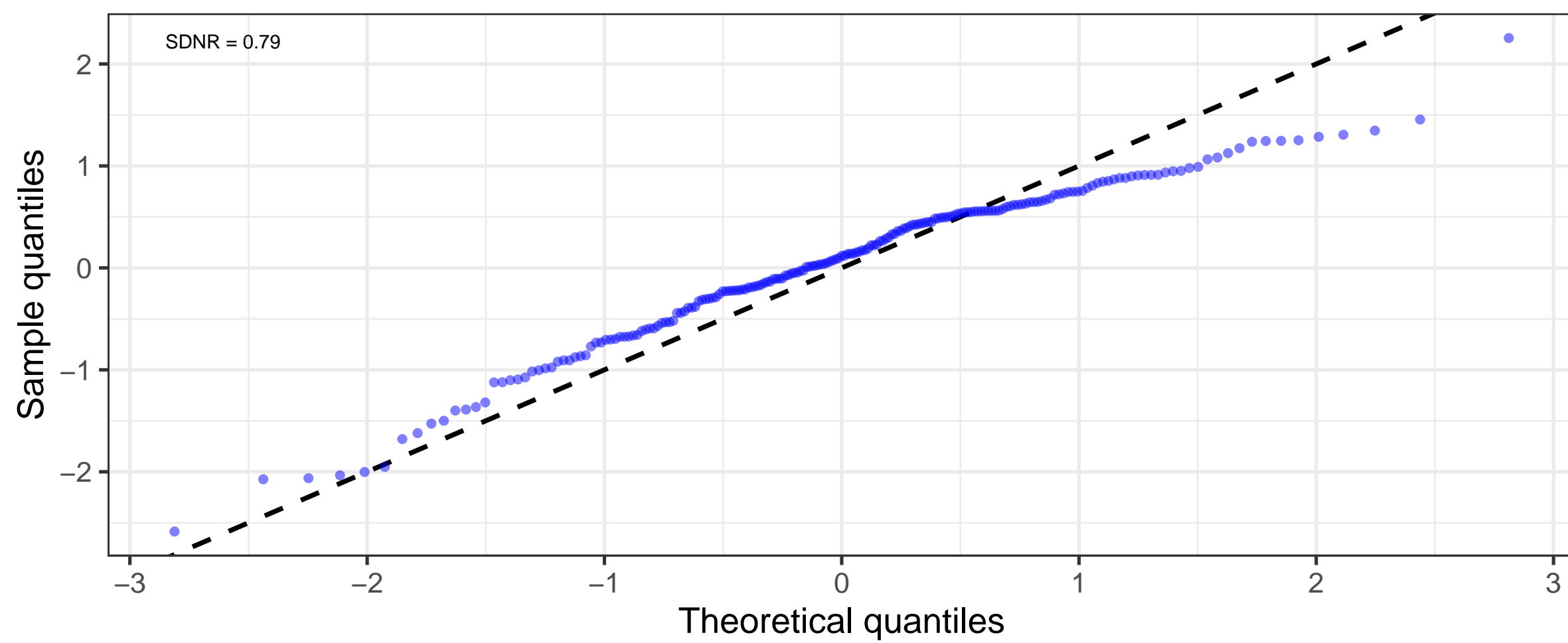
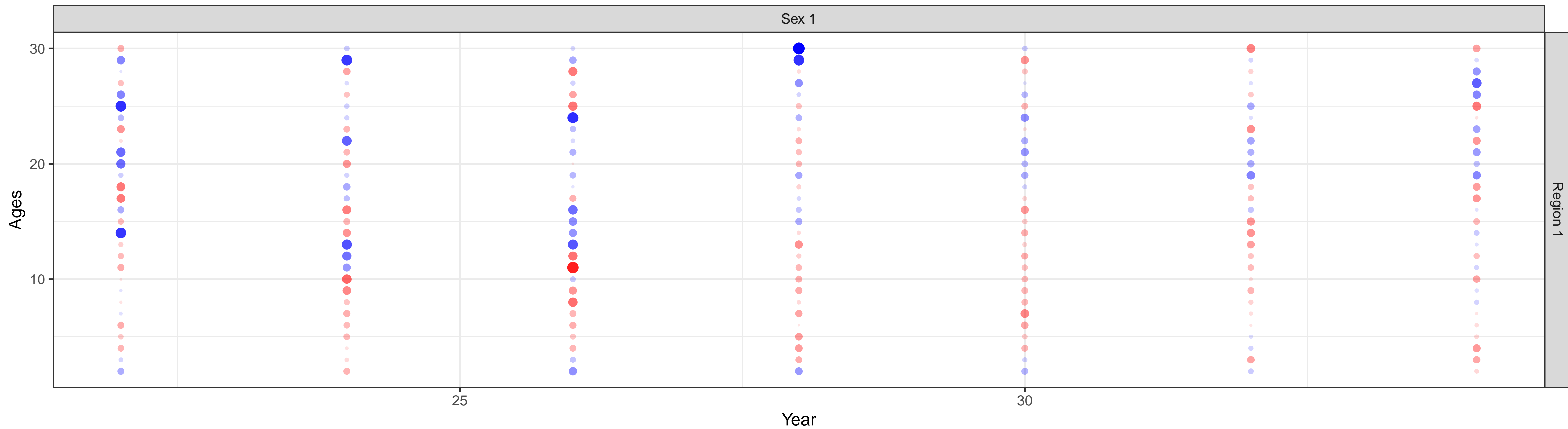


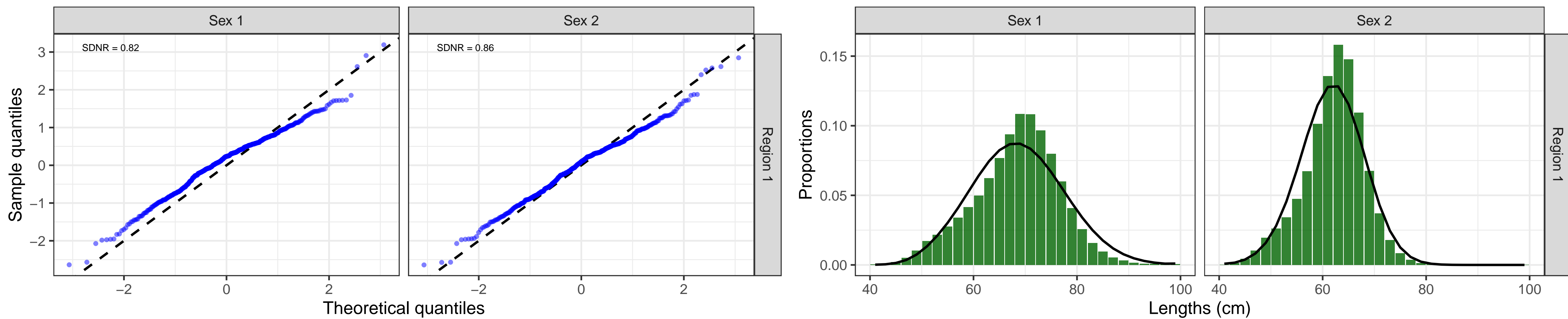
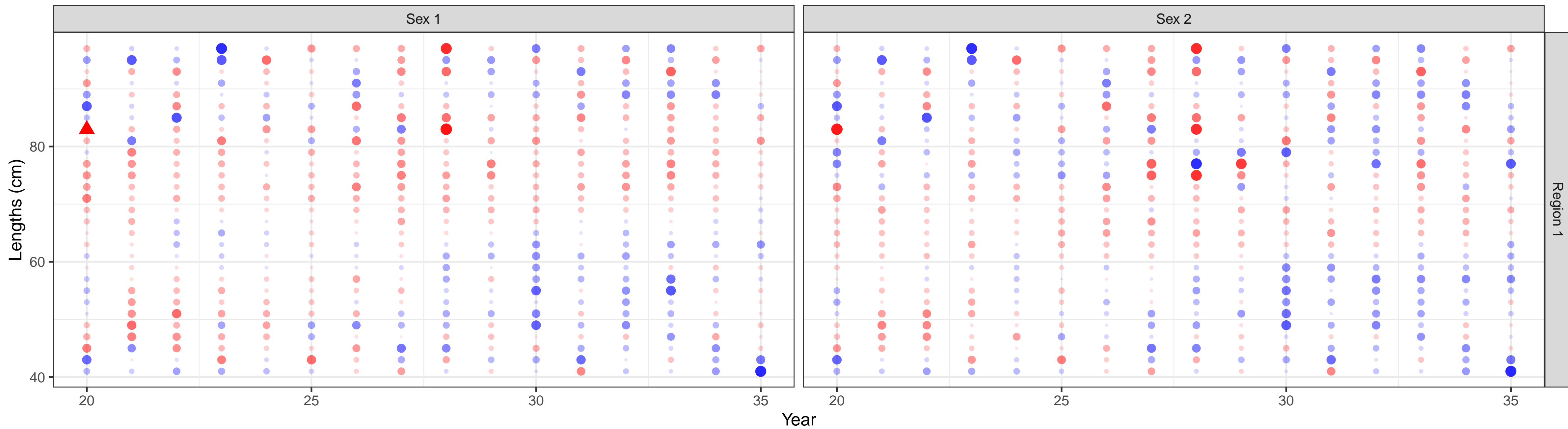


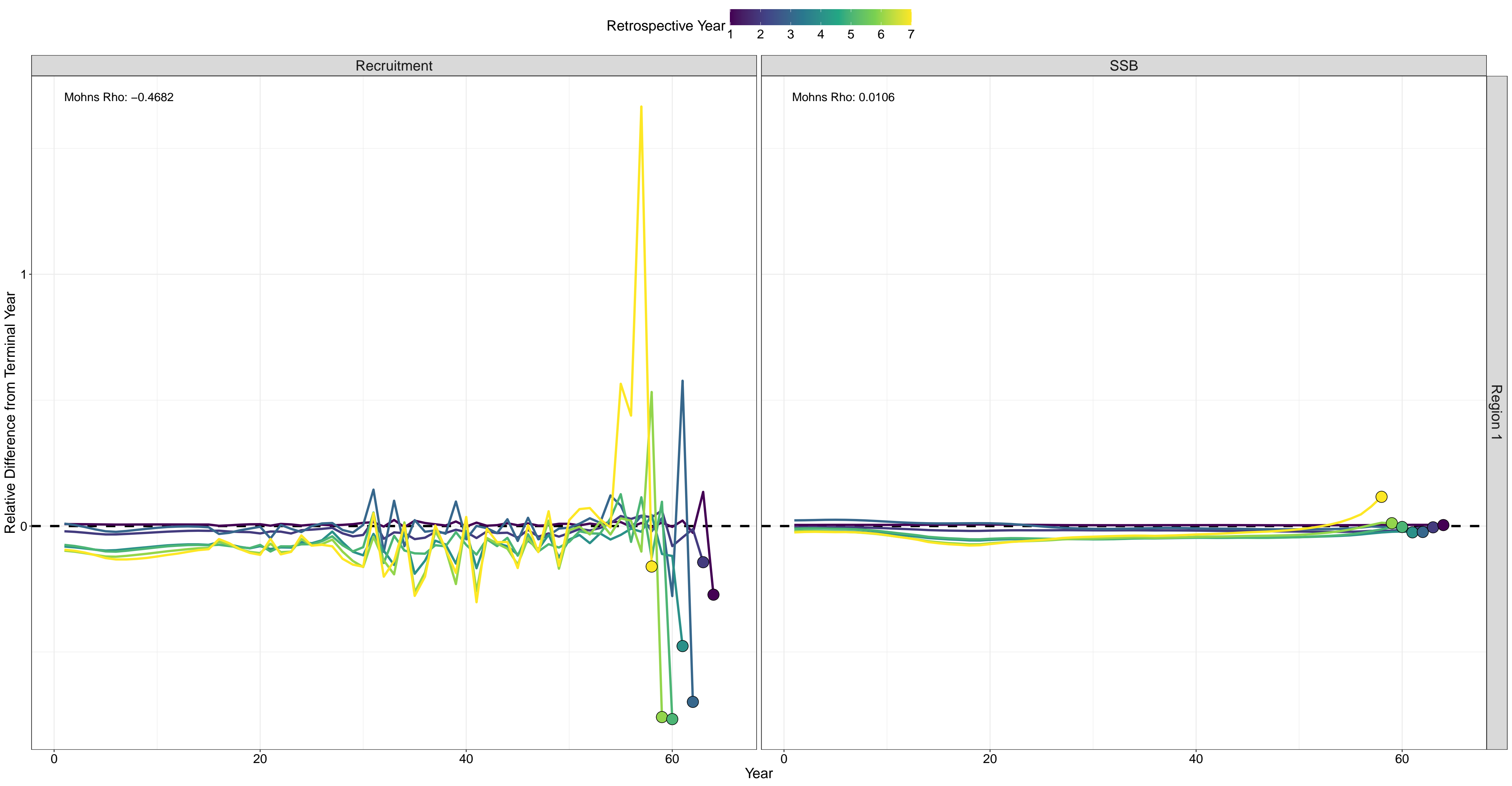


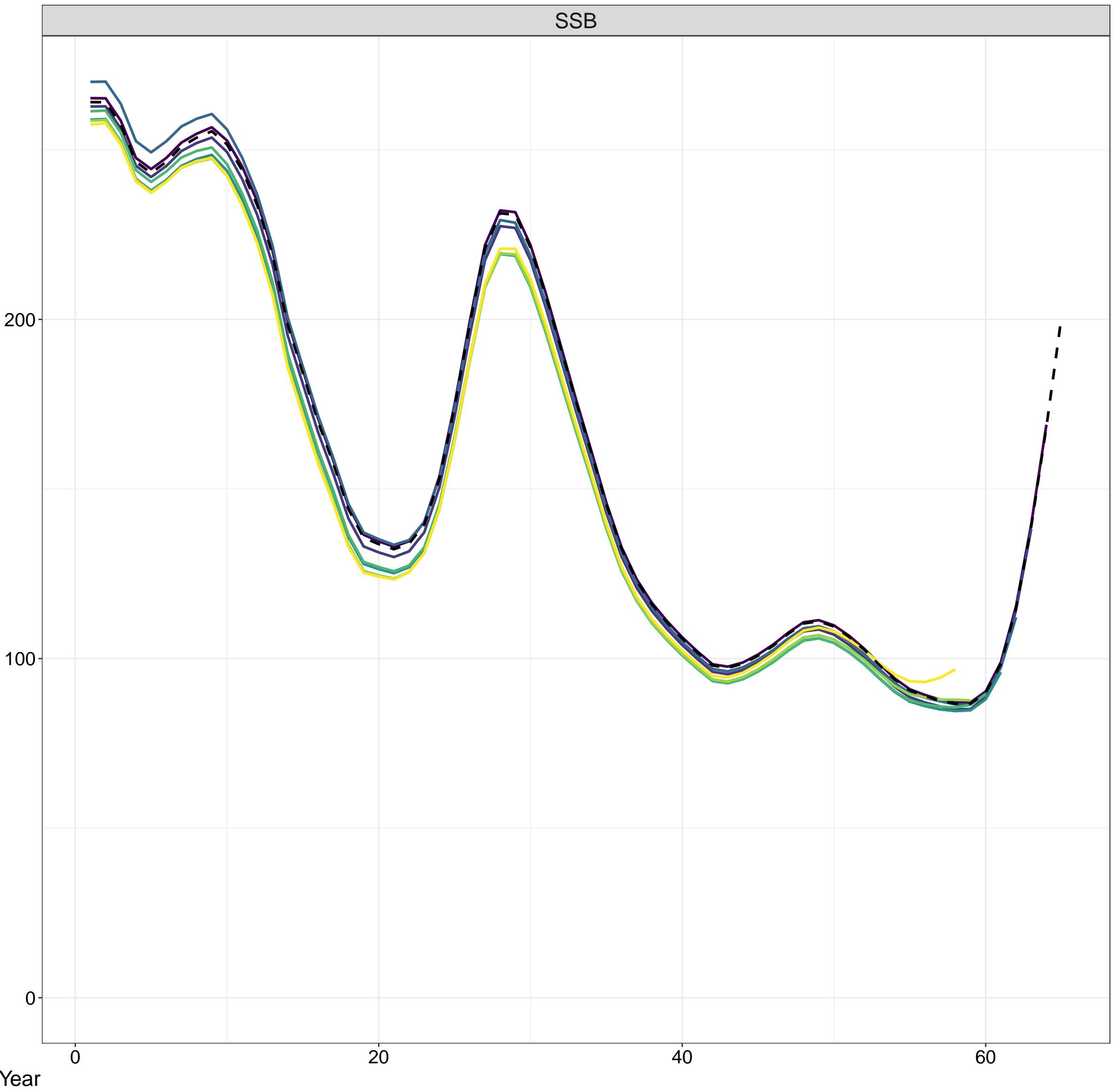
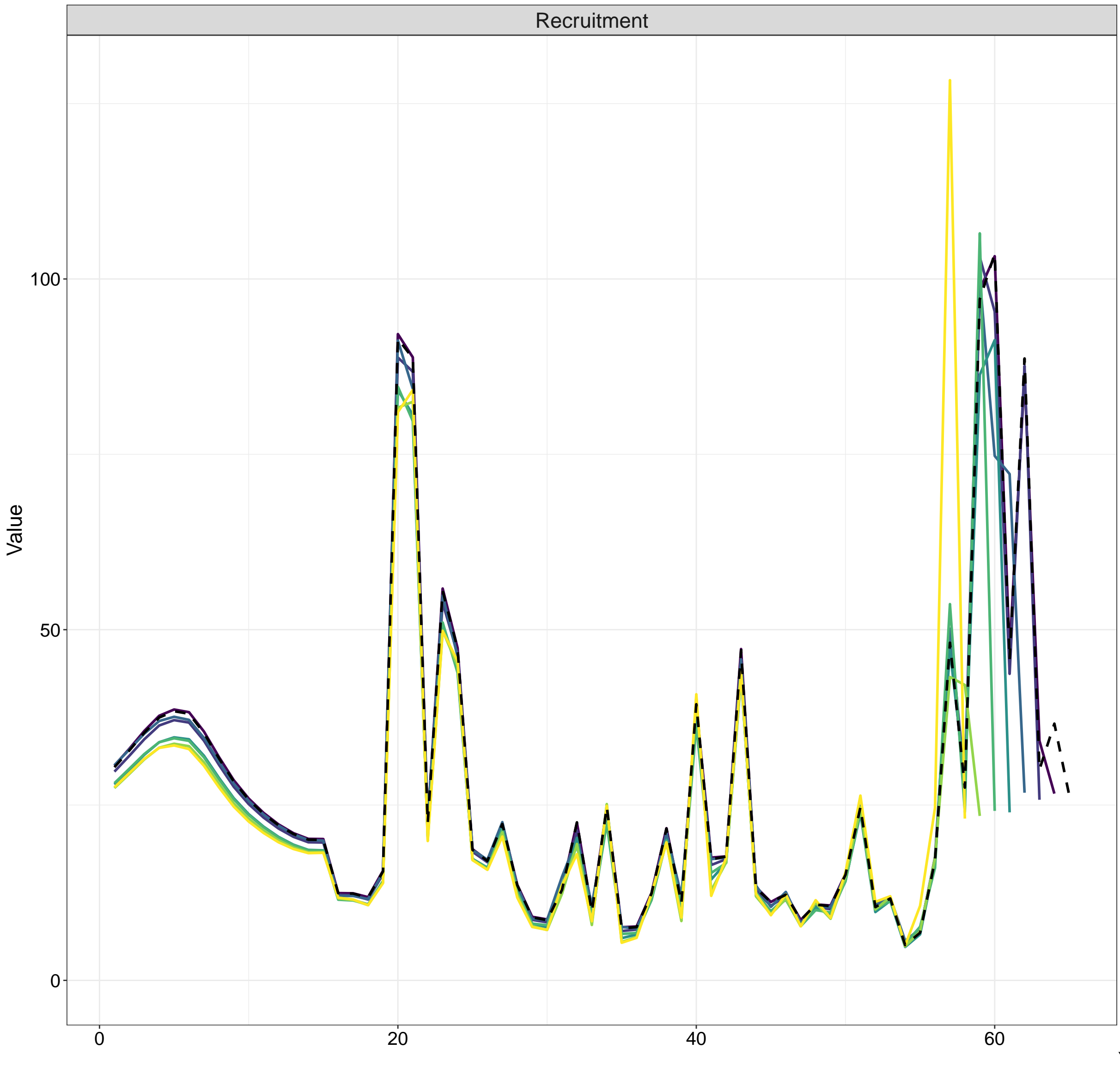


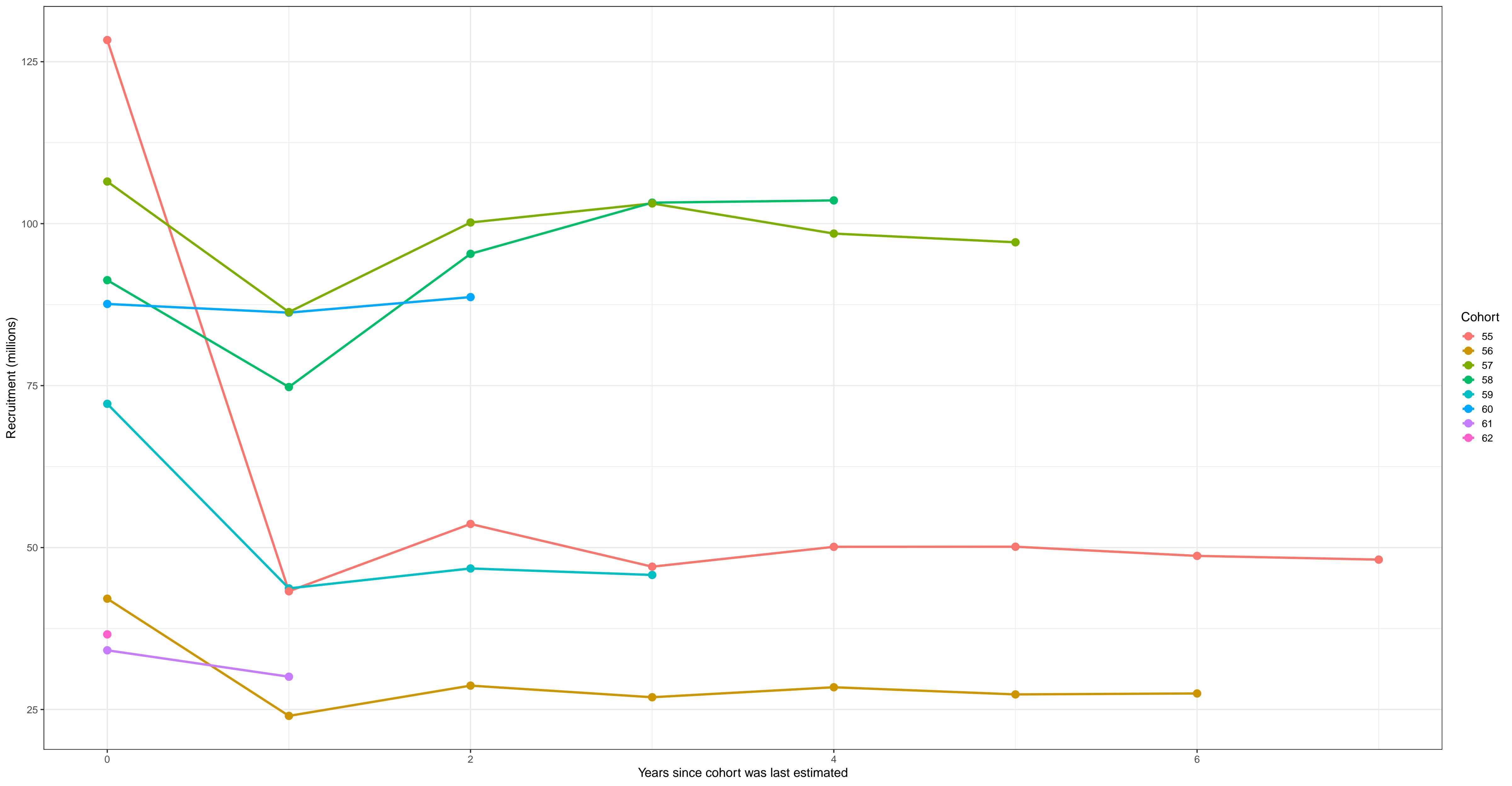
Sign • Neg • Pos Outlier • No abs(Resid) • 0.5 • 1.0 • 1.5 • 2.0 • 2.5



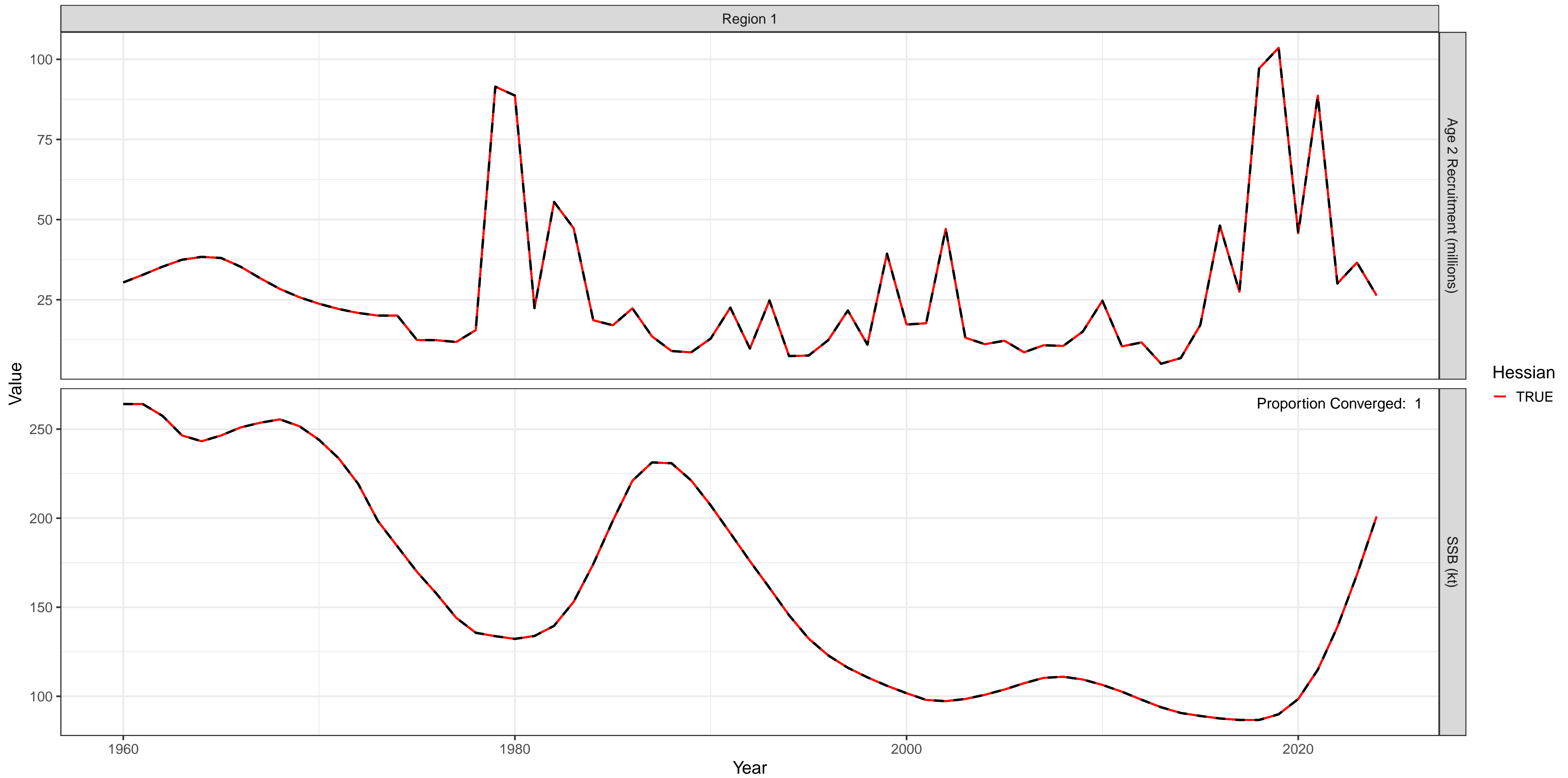




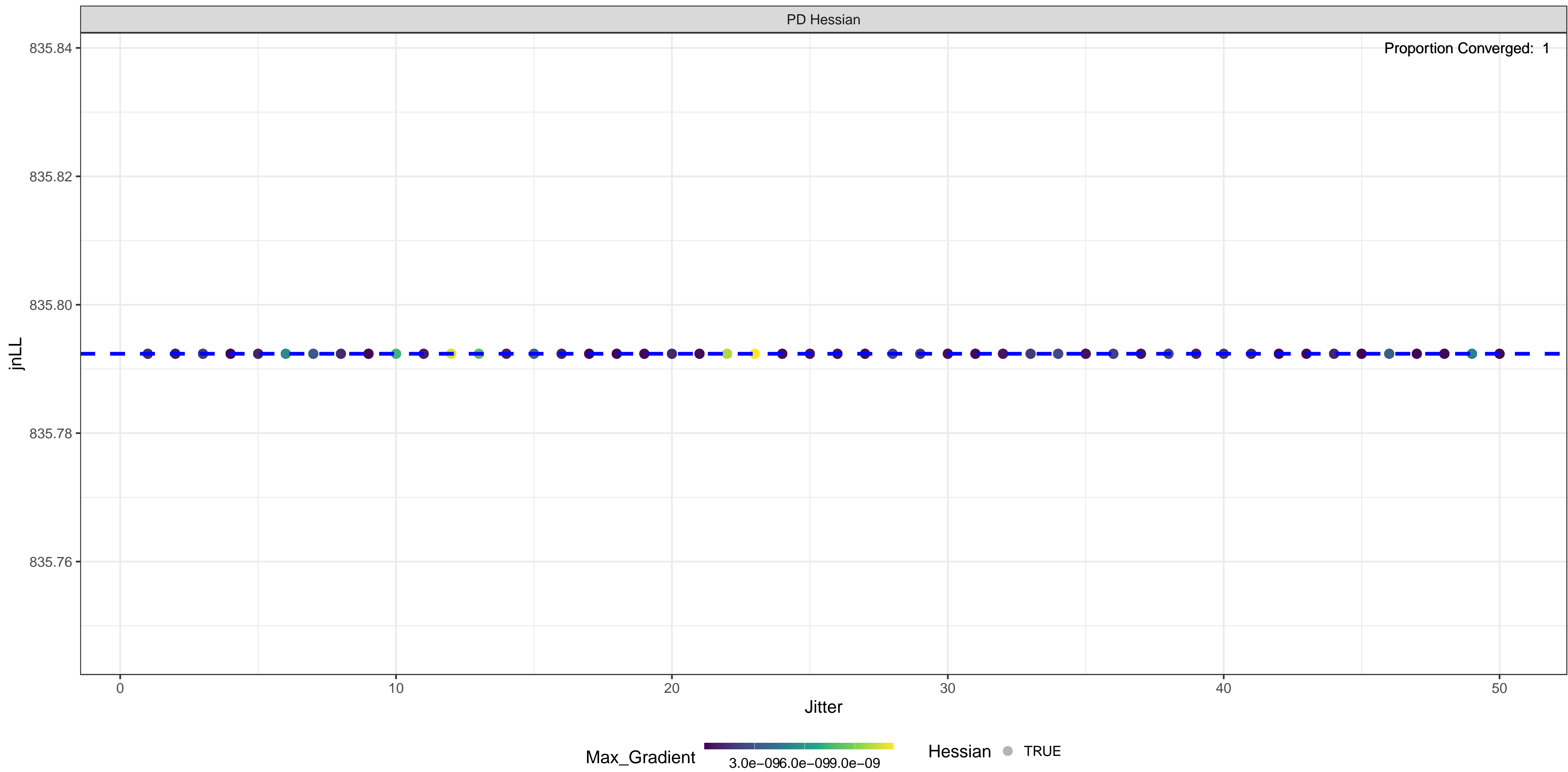




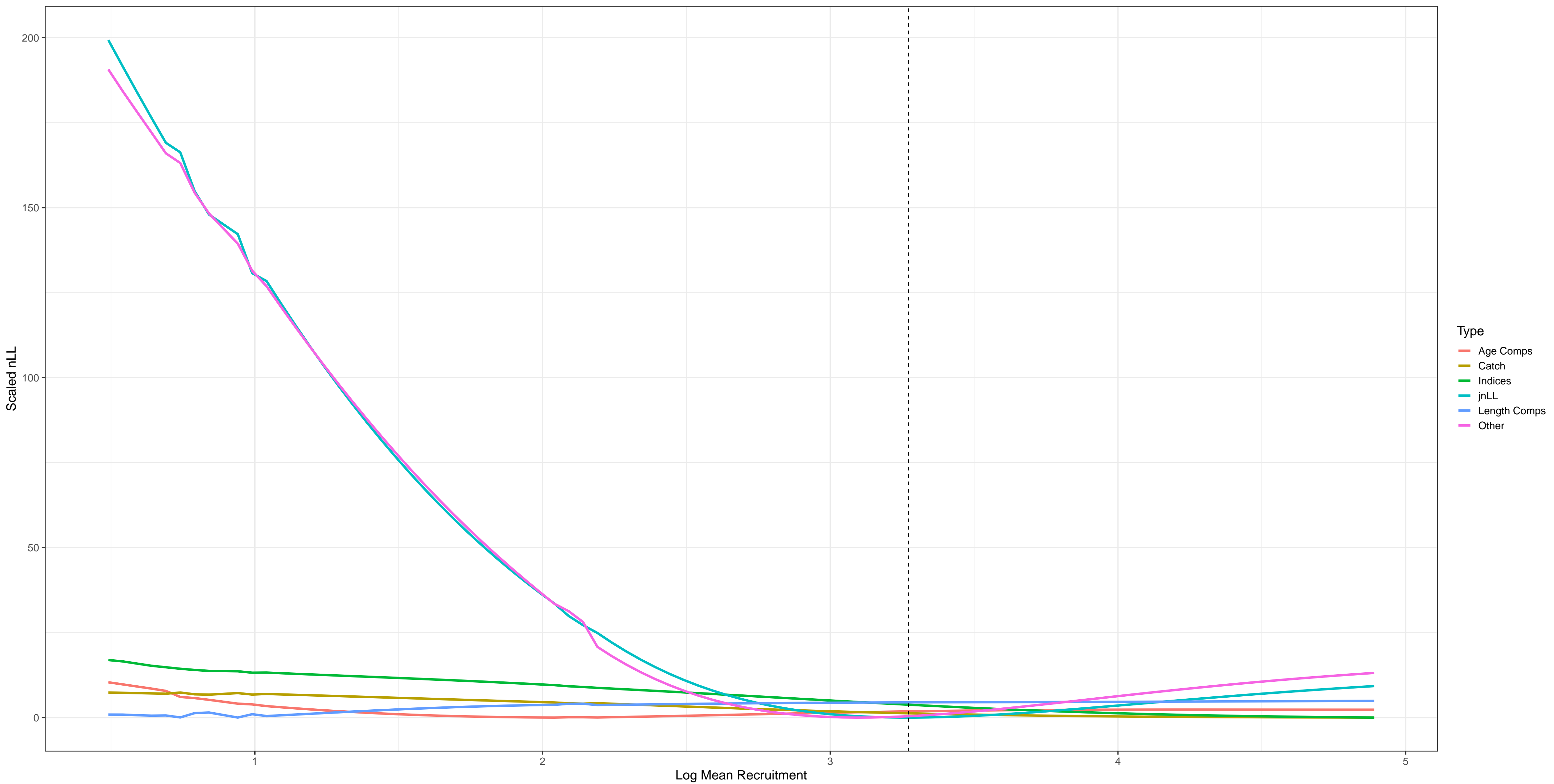
Jitter SSB and Recruitment



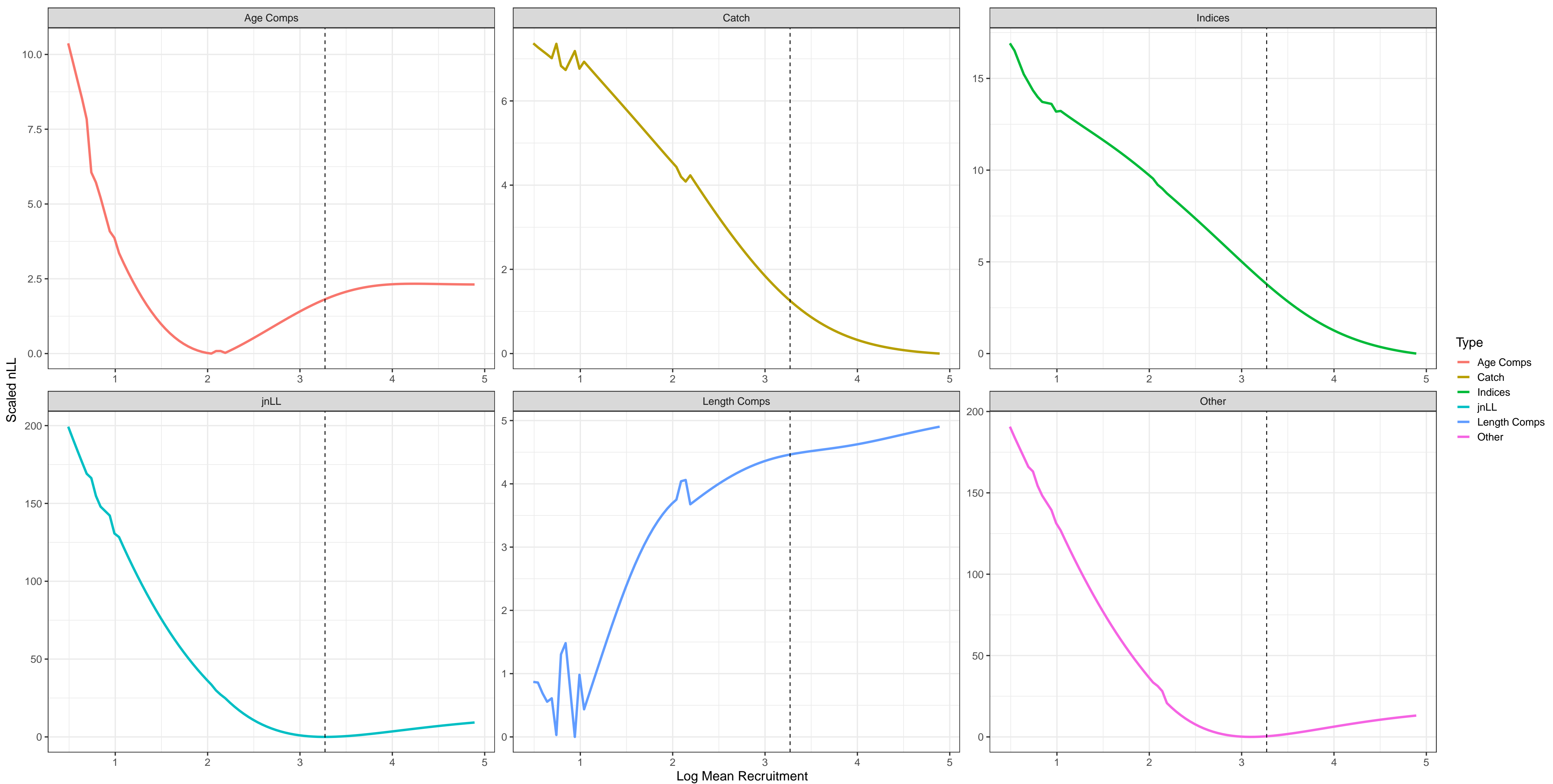
Jitter nLL and Convergence



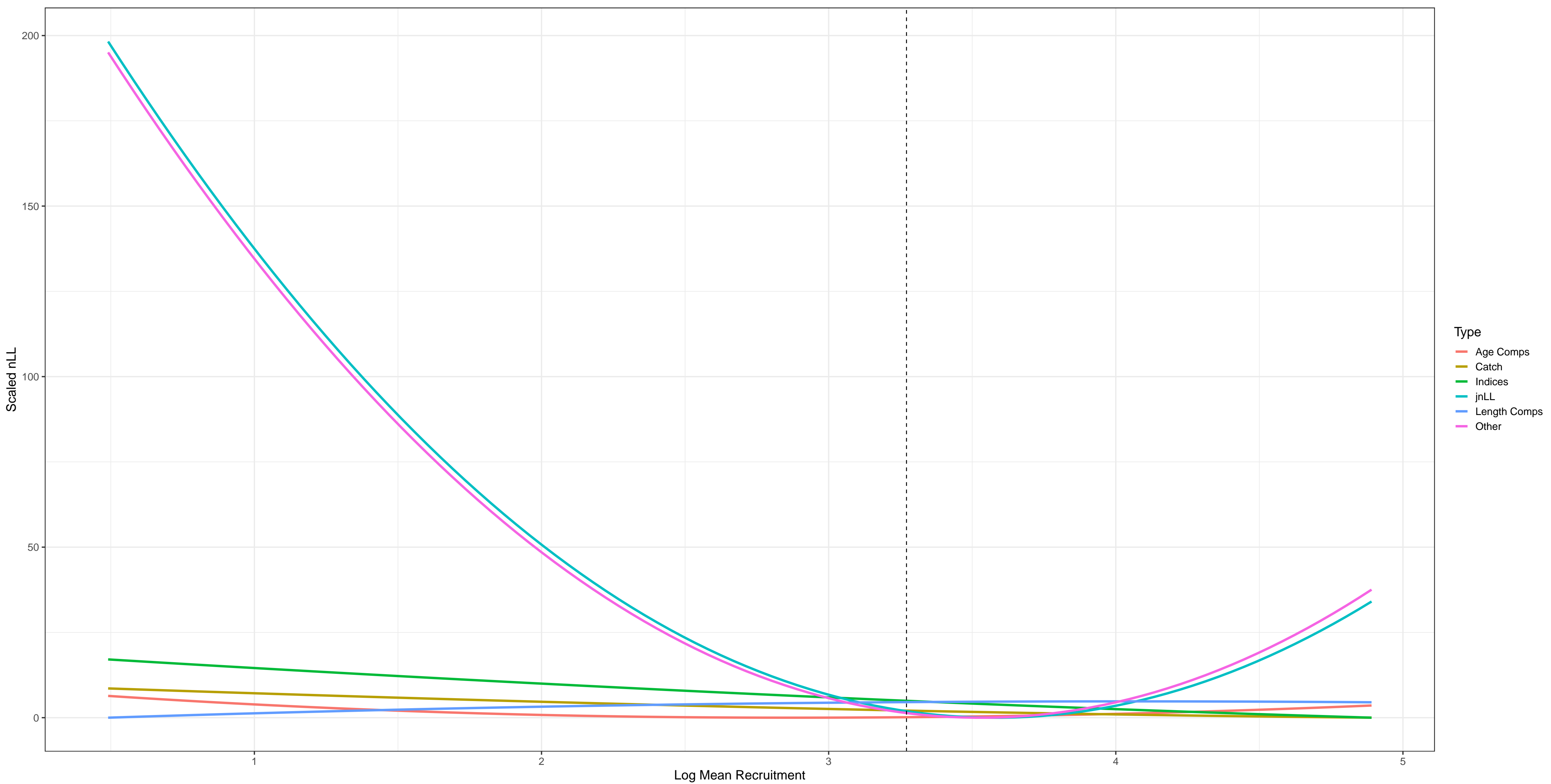
Profile Likelihood R0



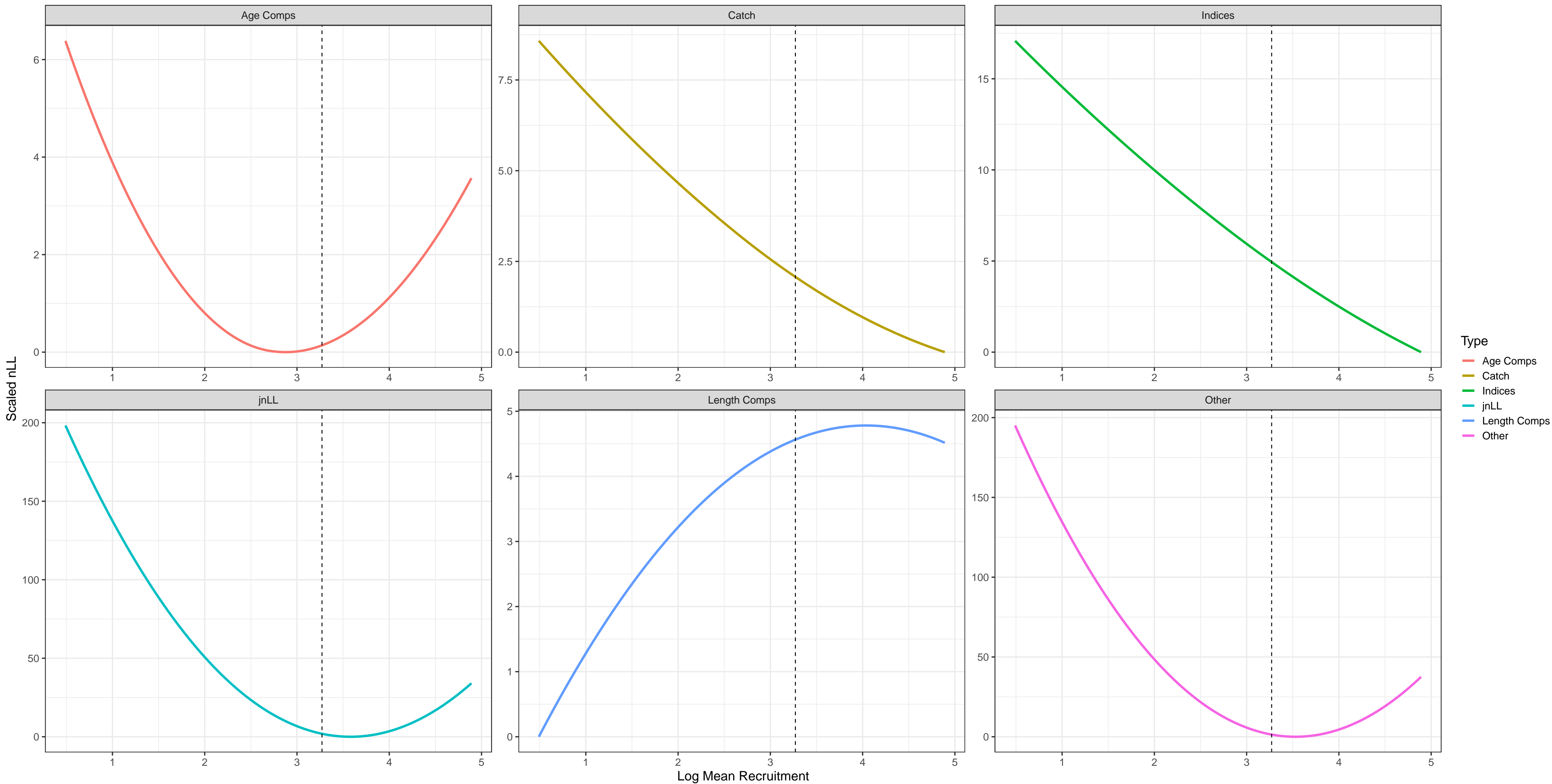
Profile Likelihood R0



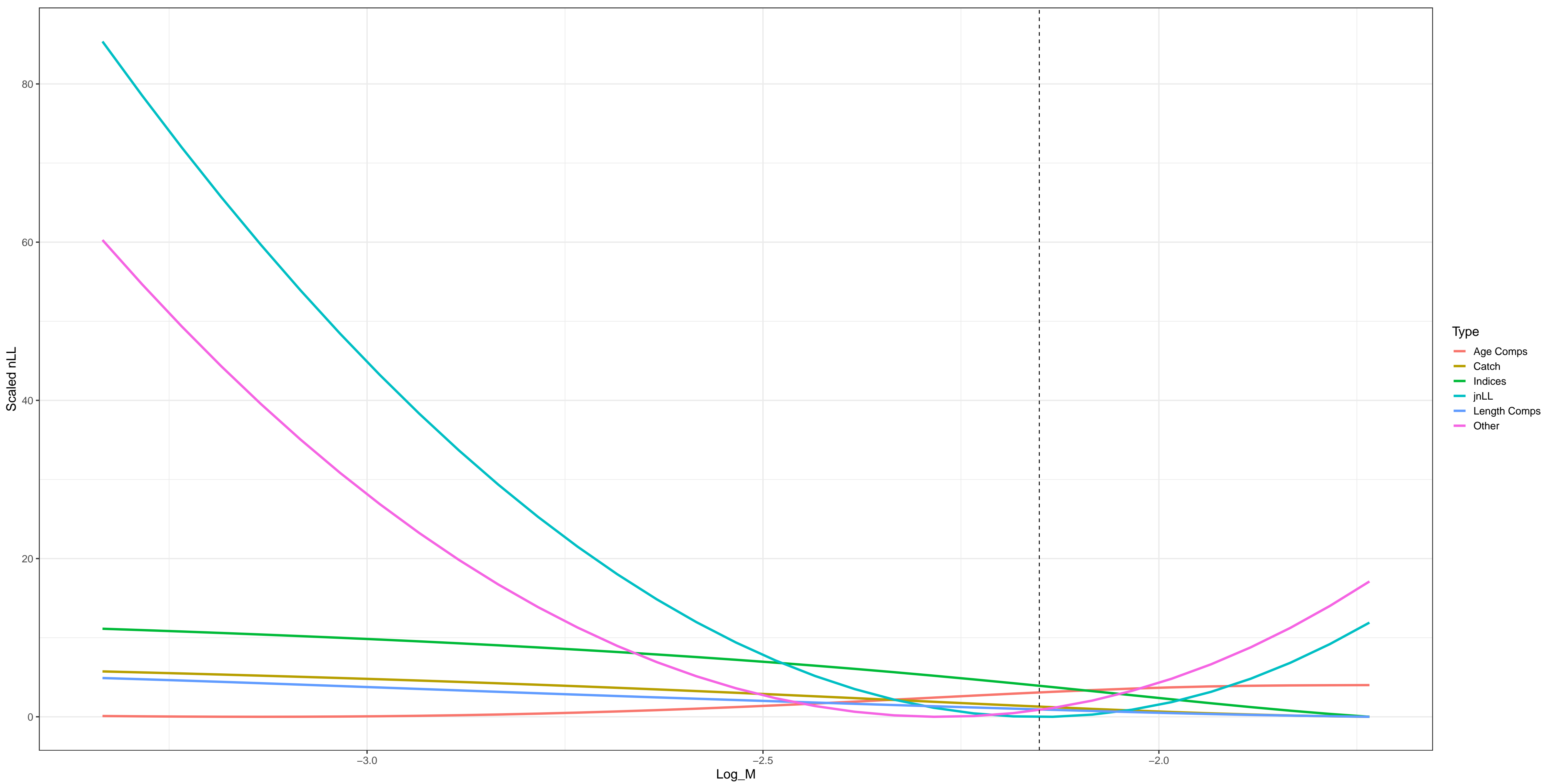
Profile Likelihood R0



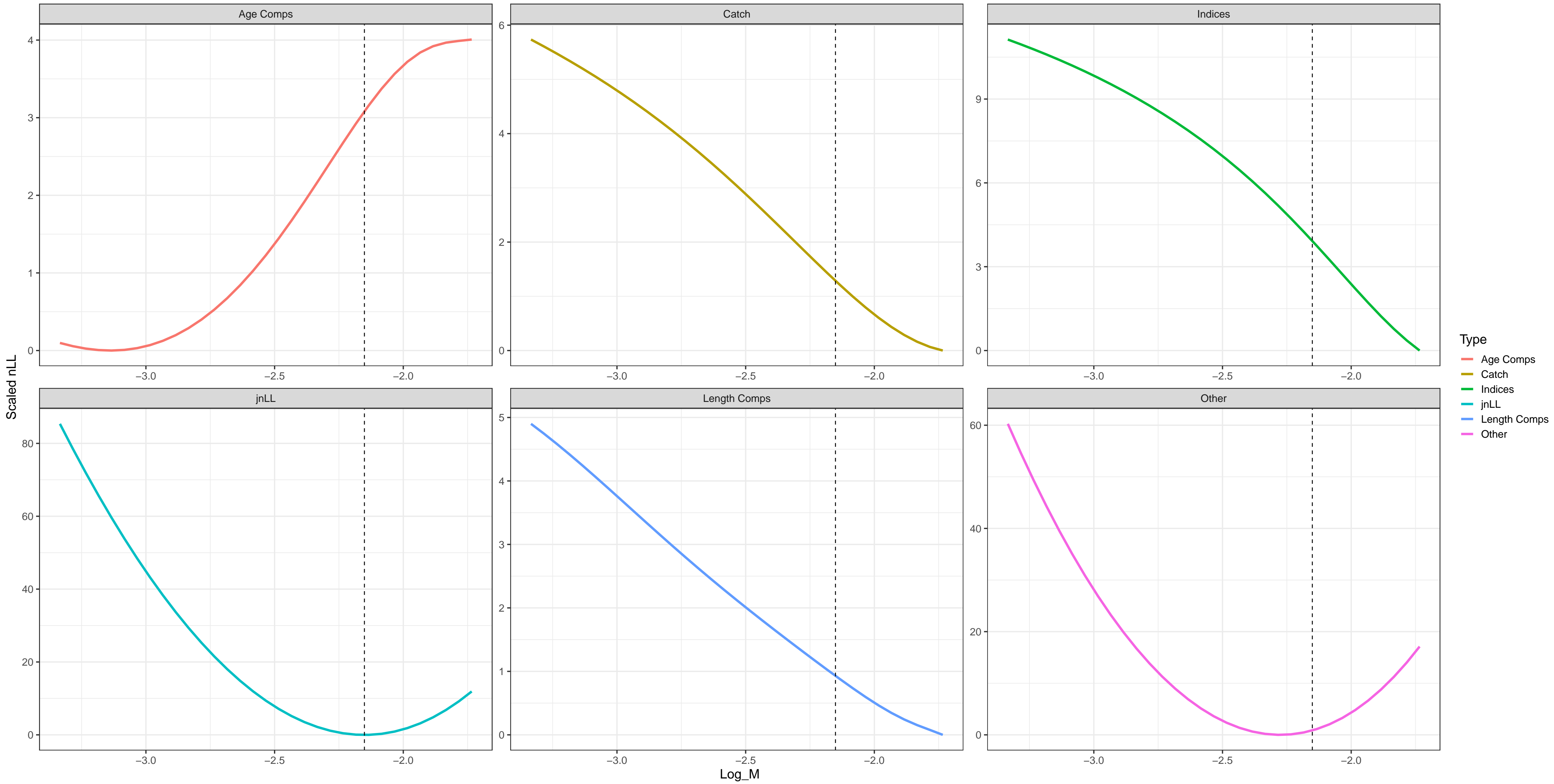
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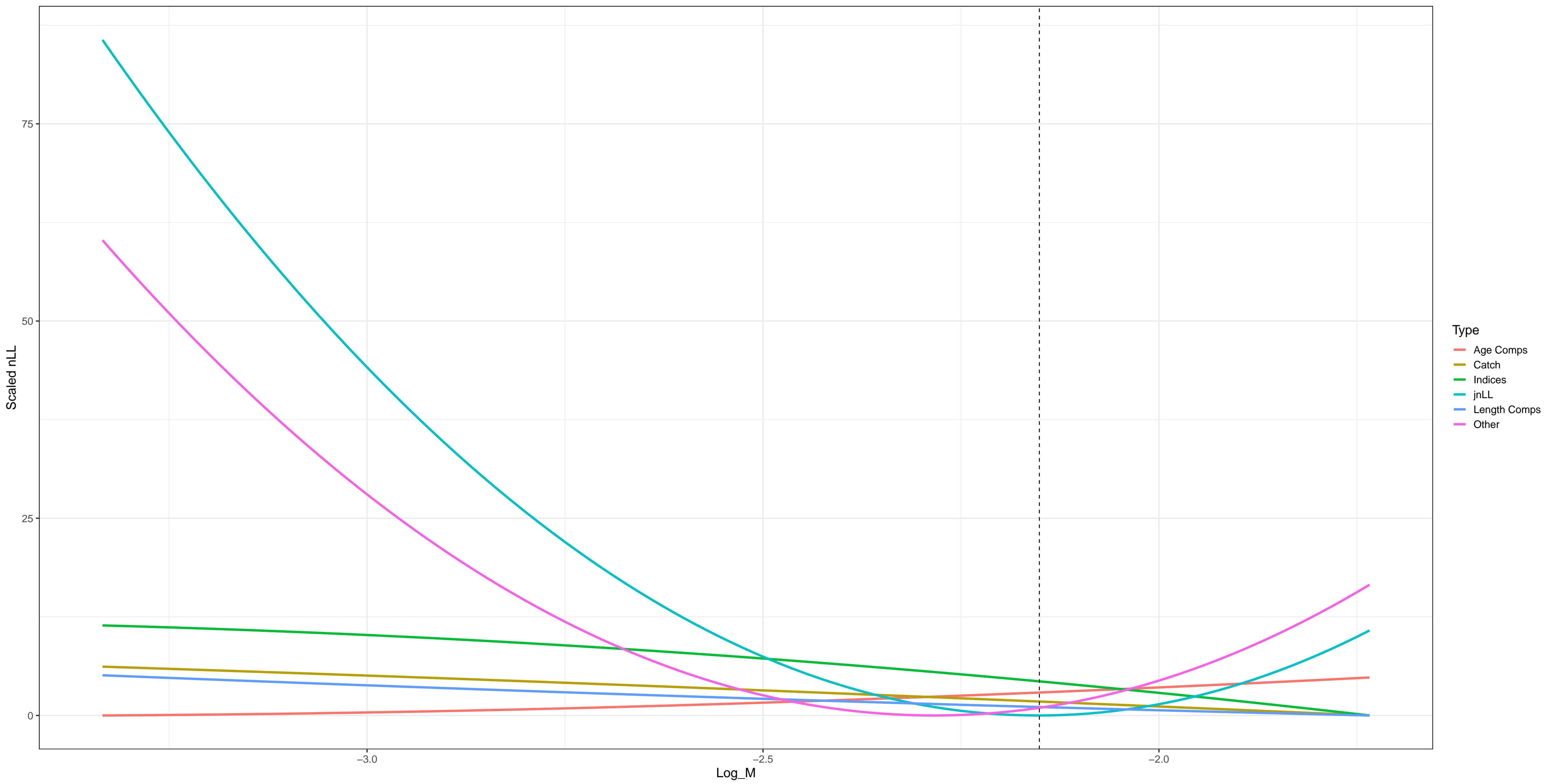
Profile Likelihood M



Profile Likelihood M



Profile Likelihood M



Profile Likelihood M

