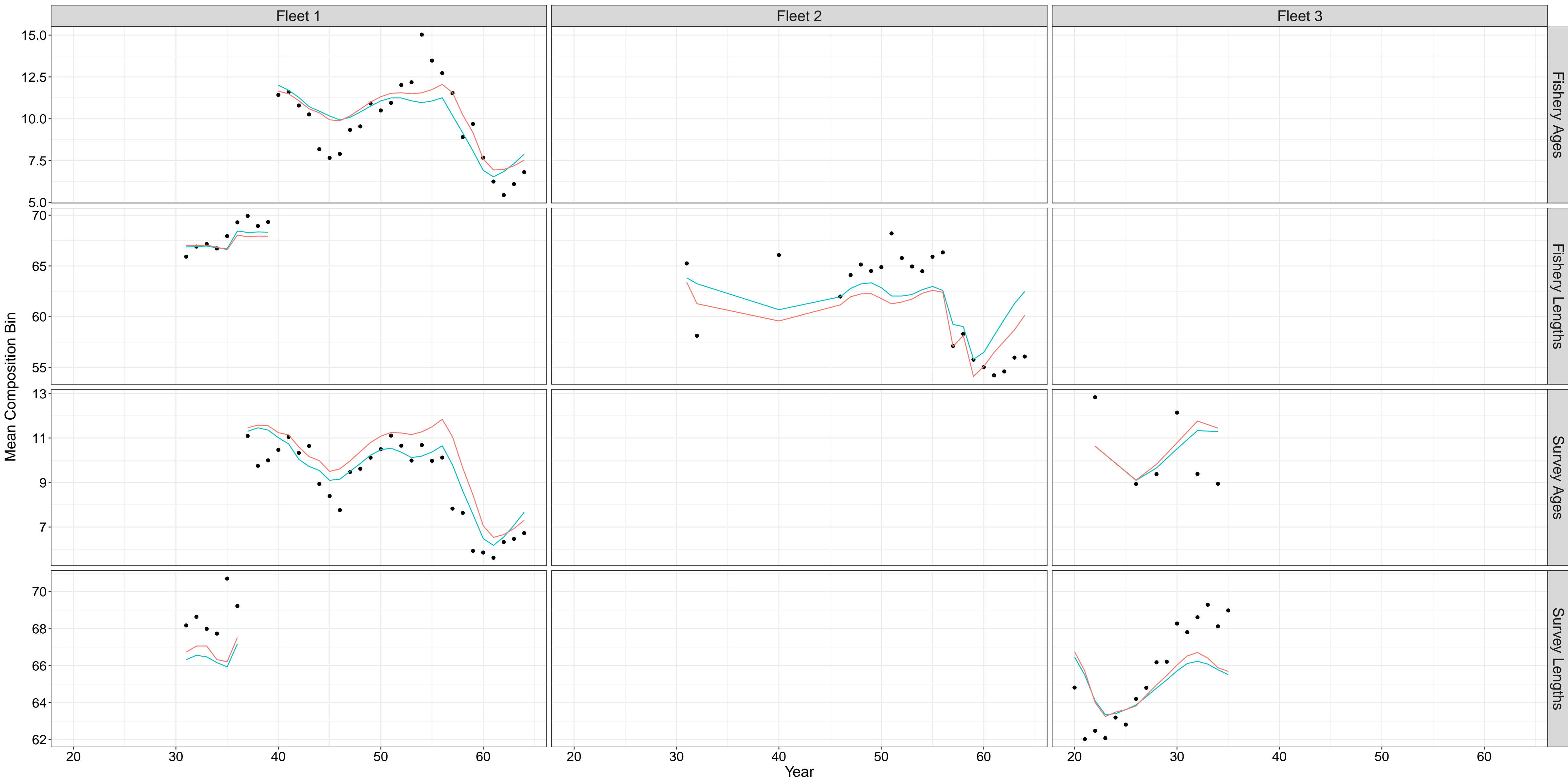
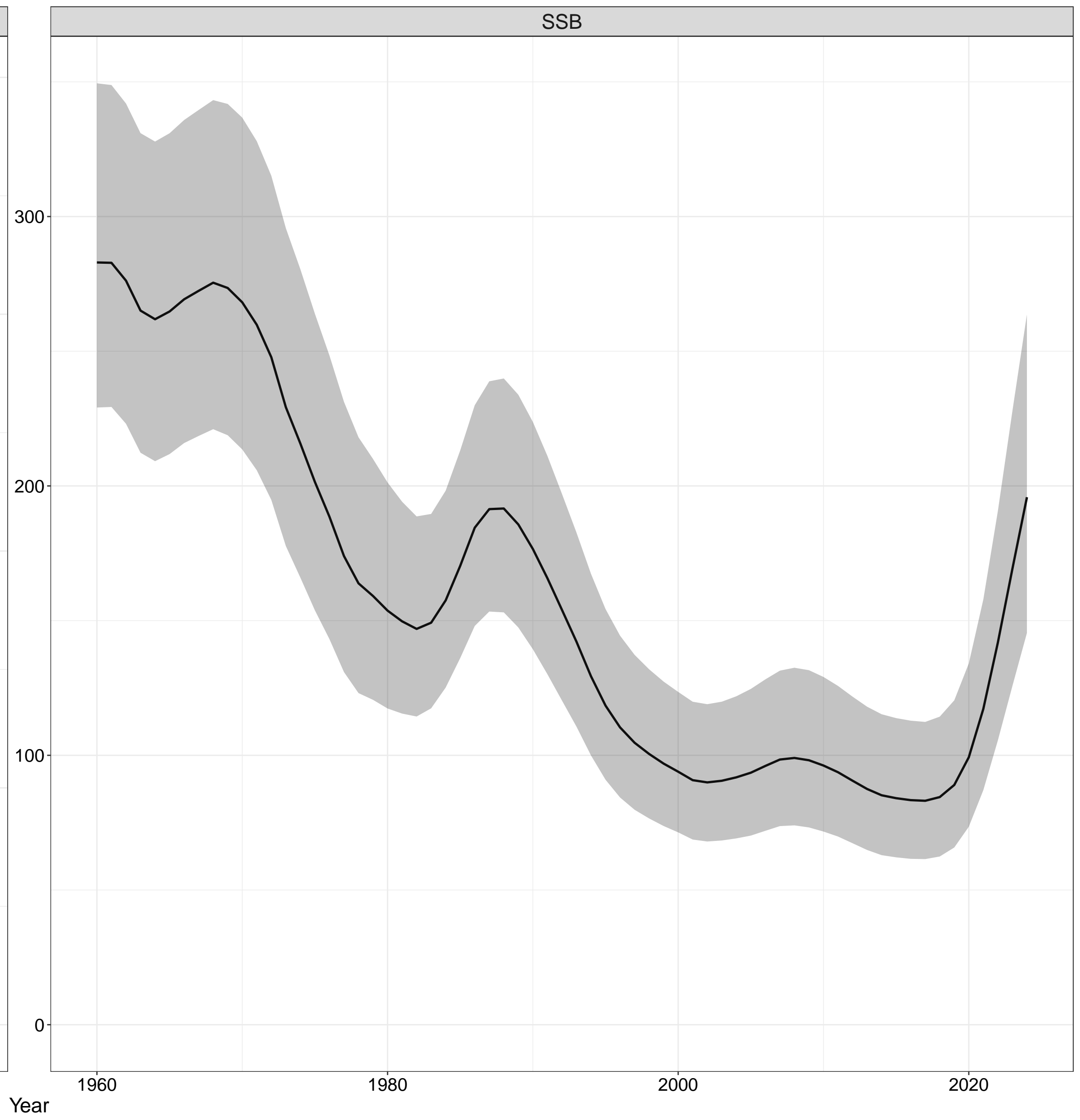
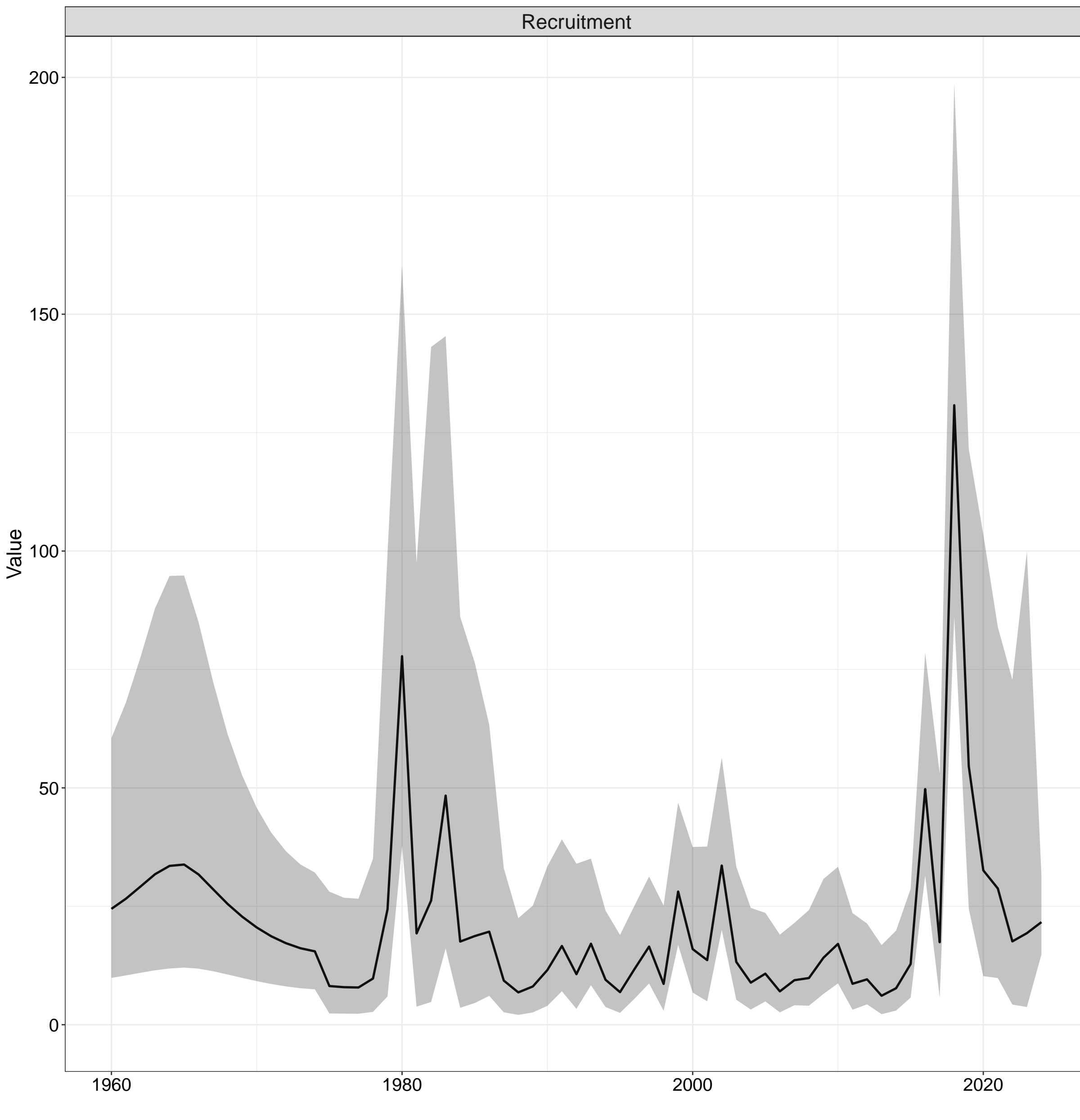


	Comp_Type	Init_Weight	Final_Weight
1	LLF_Age_F	0.8261073	0.7904403
2	LLF_Age_M	NA	NA
3	LLS_Age_F	3.7922454	3.6287084
4	LLS_Age_M	NA	NA
5	JPN_LLS_Age_F	1.3168111	0.6554892
6	JPN_LLS_Age_M	NA	NA
7	LLF_Len_F	4.1837057	6.1639871
8	LLF_Len_M	4.2696935	NA
9	TF_Len_F	0.3164859	0.2570364
10	TF_Len_M	0.2293966	NA
11	LLS_Len_F	1.4379202	2.5432862
12	LLS_Len_M	1.0705376	NA
13	JPN_LLS_Len_F	1.2777281	0.9866591
14	JPN_LLS_Len_M	0.8575195	NA

colour — First Iter — Last Iter



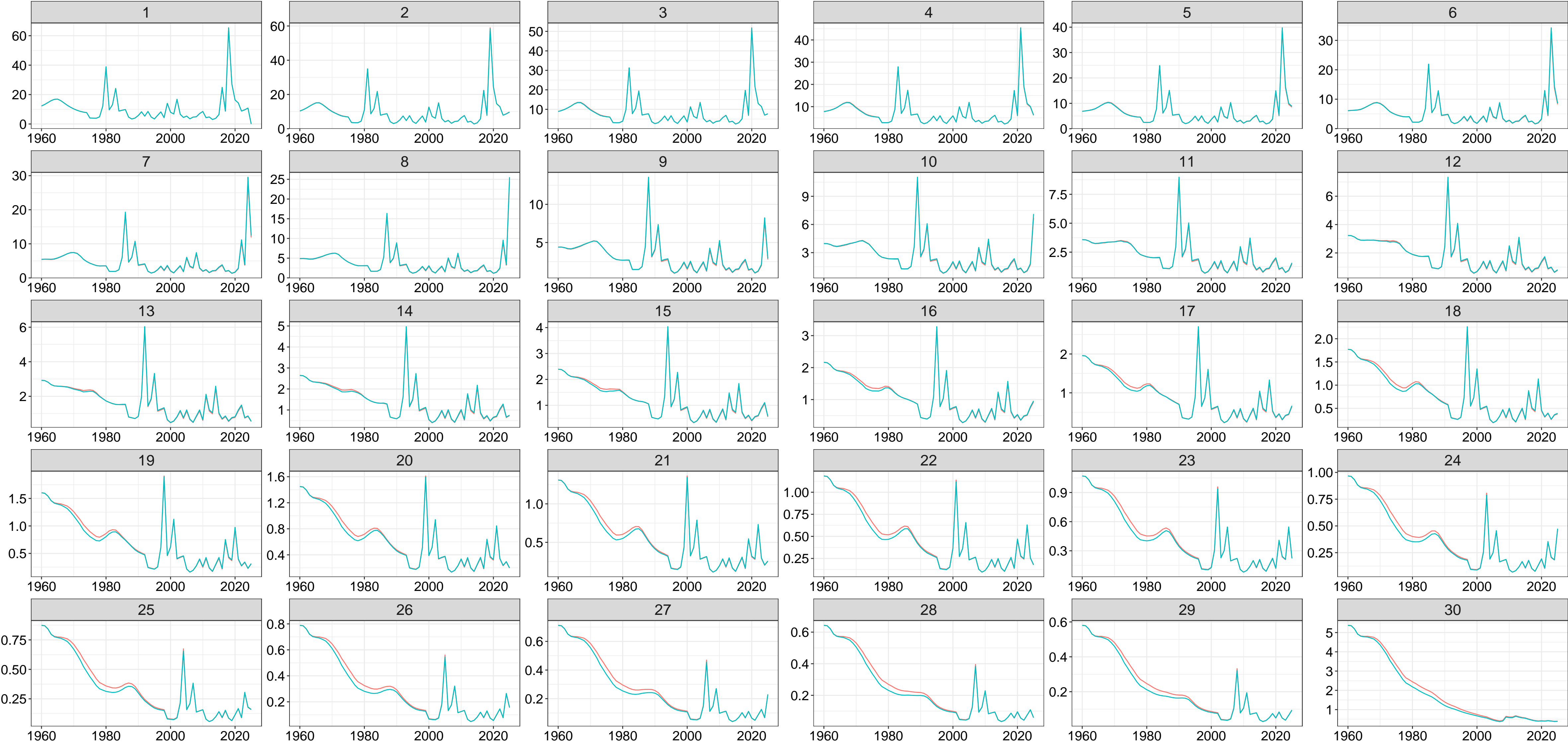
1	Model	Region	Terminal_SSB	Terminal_F	Catch_Advice	B_Ref_Pt	F_Ref_Pt	B_over_B_Ref	F_over_F_Ref
	1	1	195.81364	0.0486337517744642	39.38514	127.04457	0.08309	1.5413	0.58534



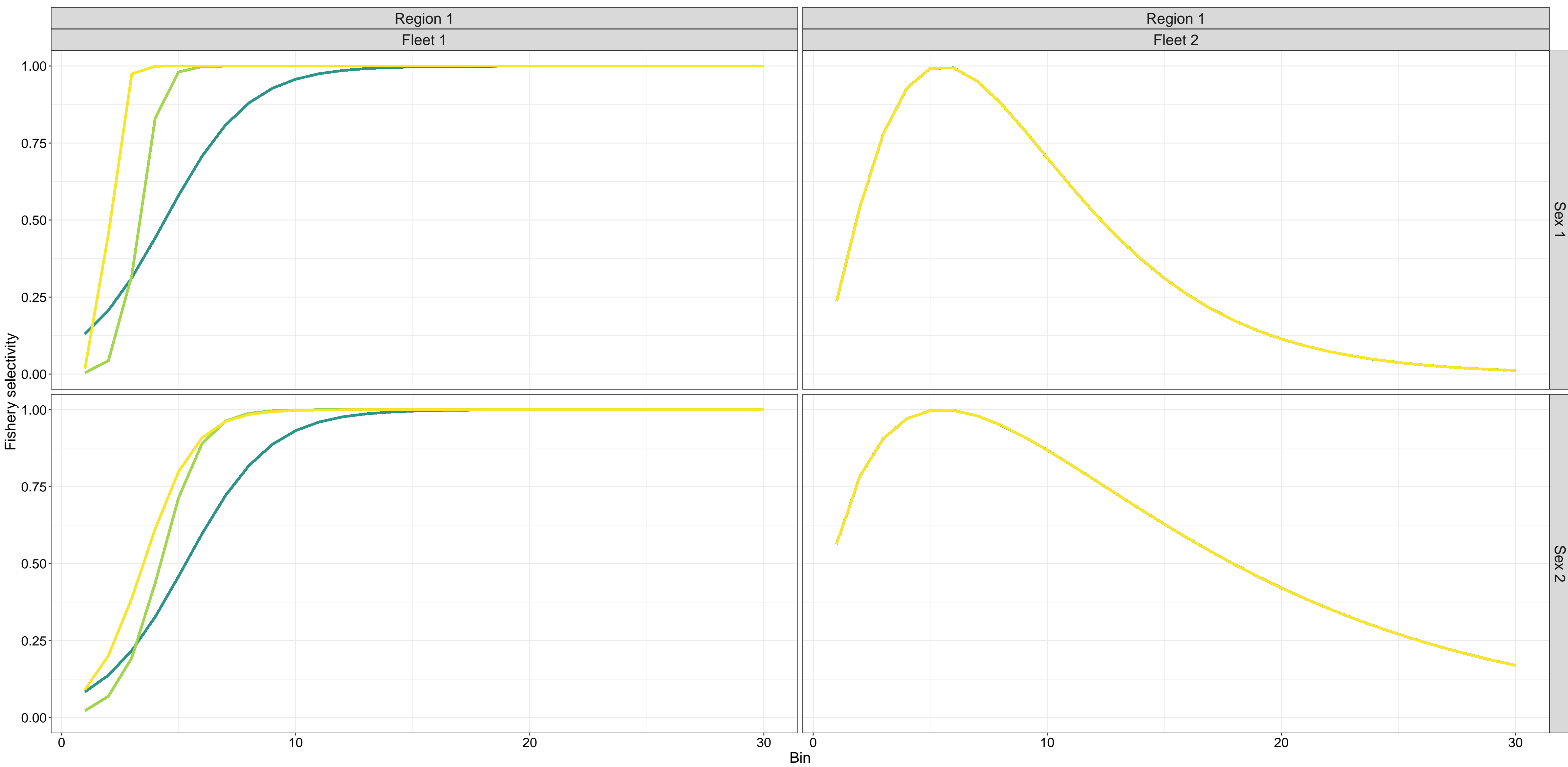
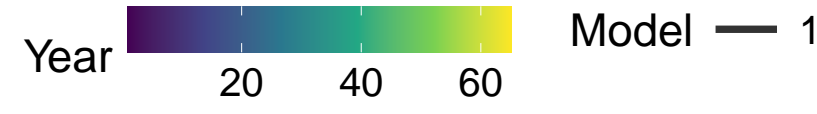
# Numbers-at-Age

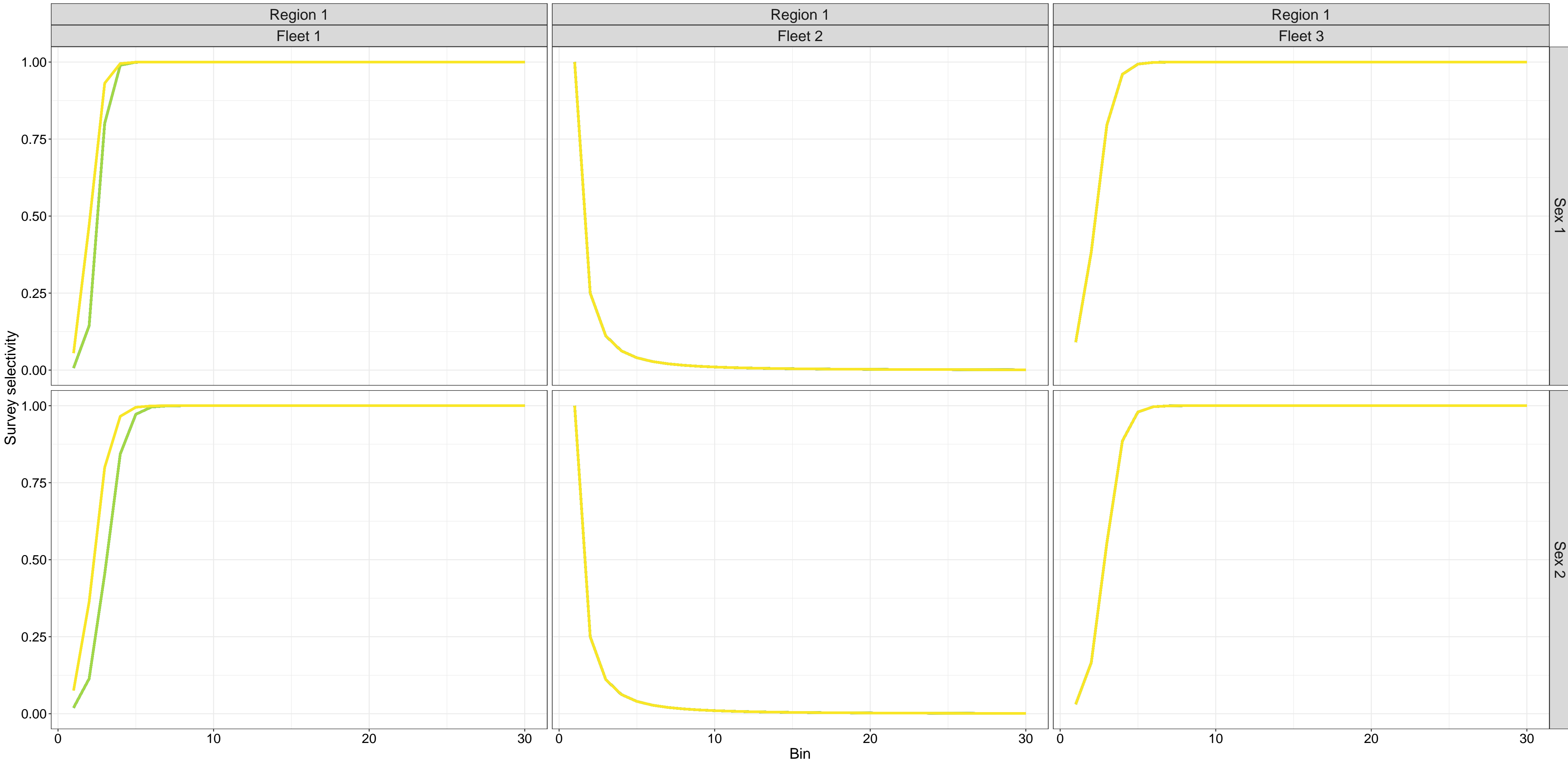
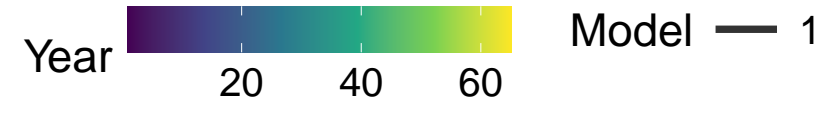
Sex — Female — Male

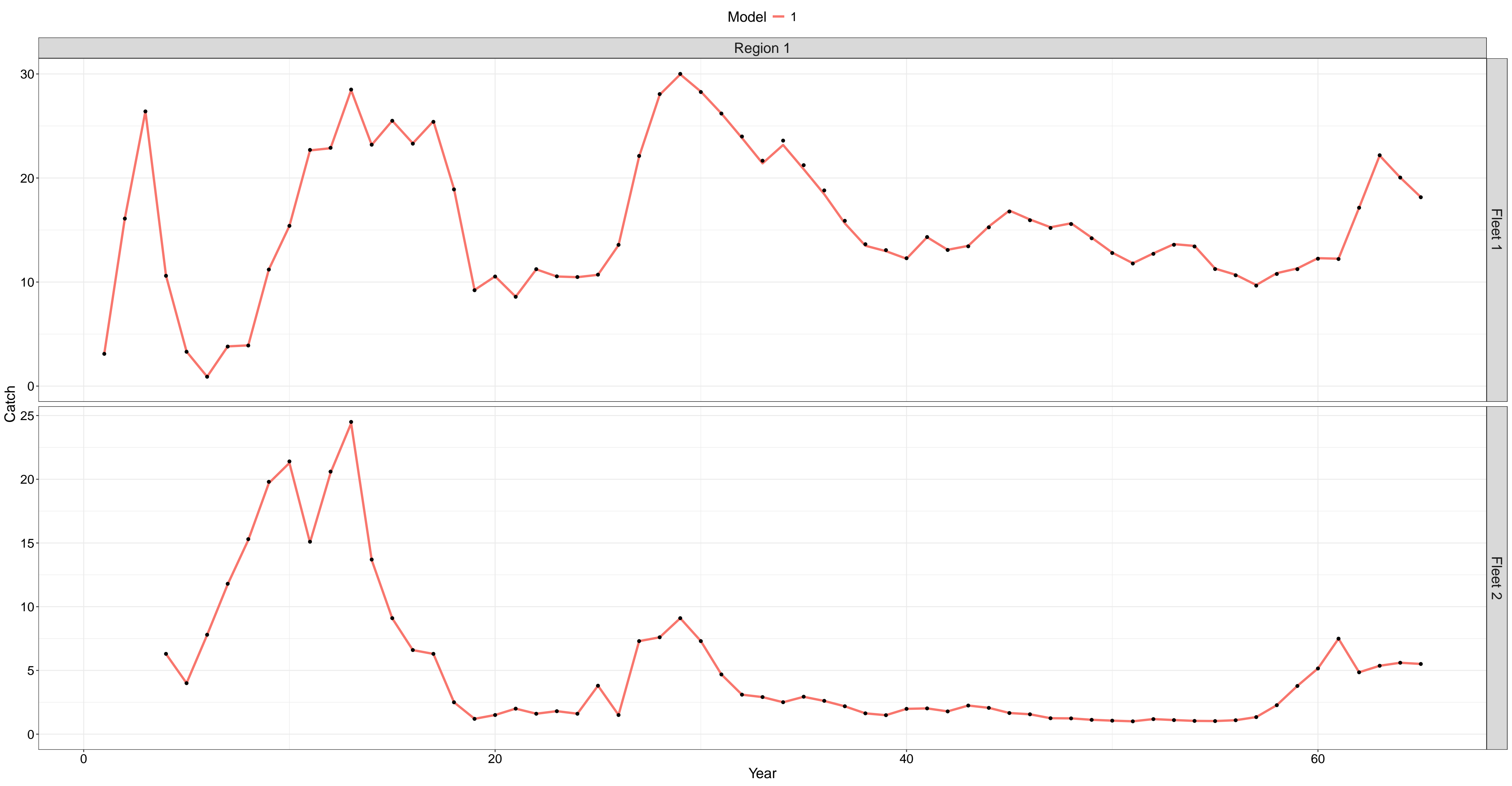
Numbers-at-age (millions)



Year

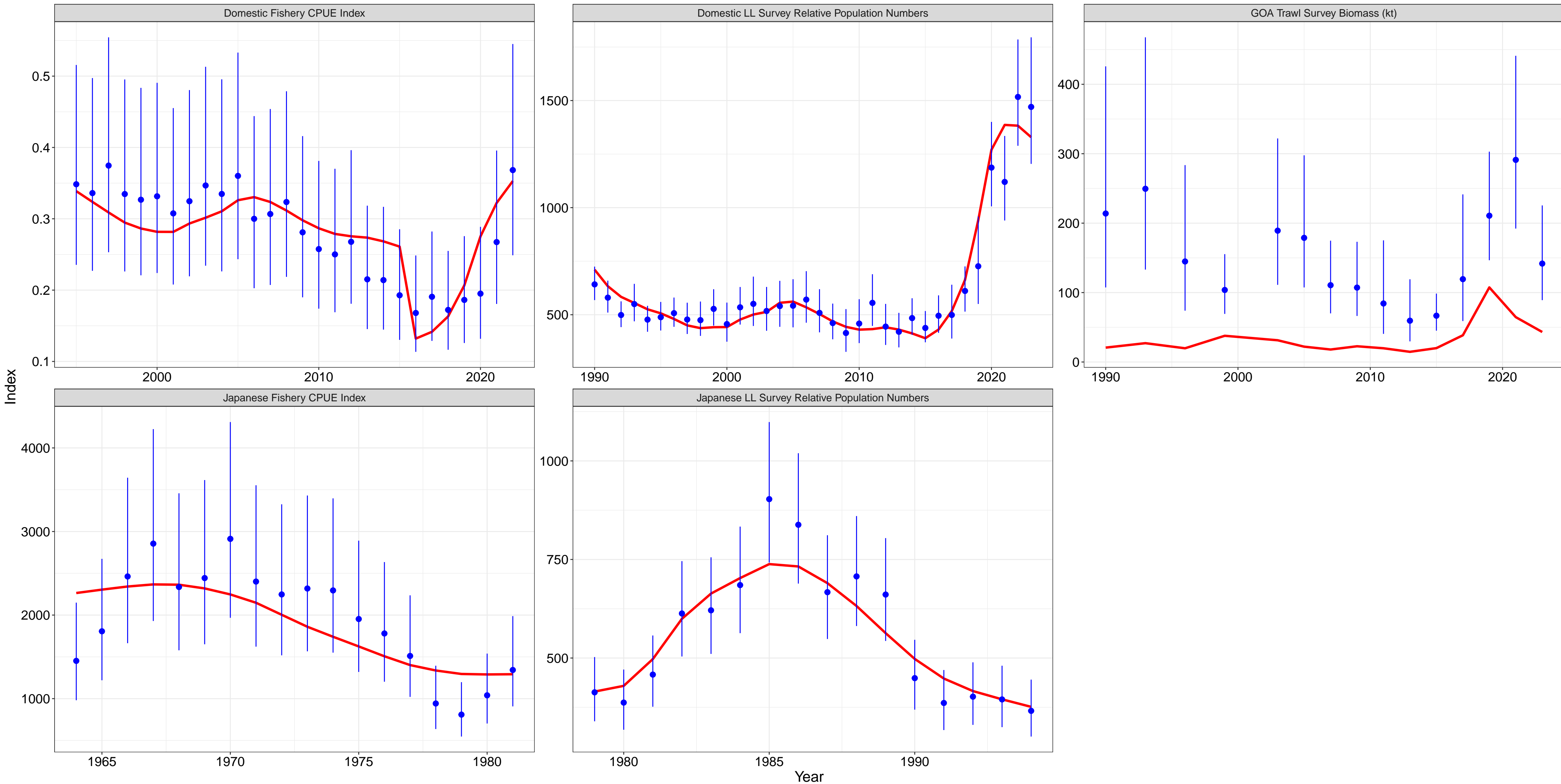




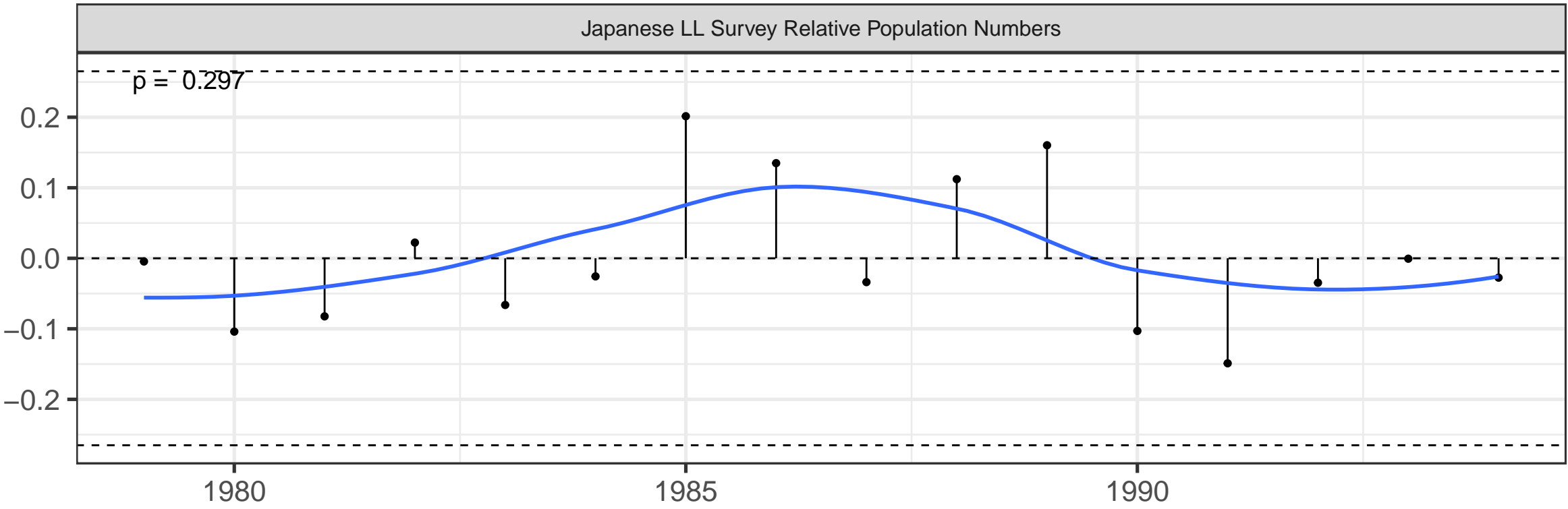
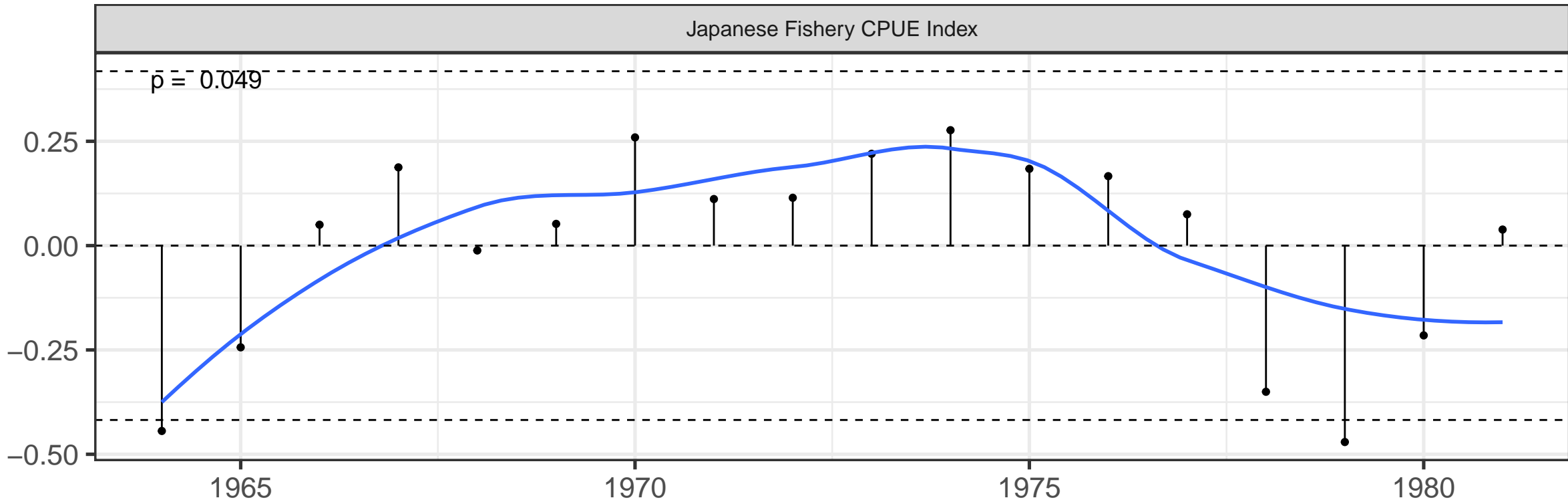
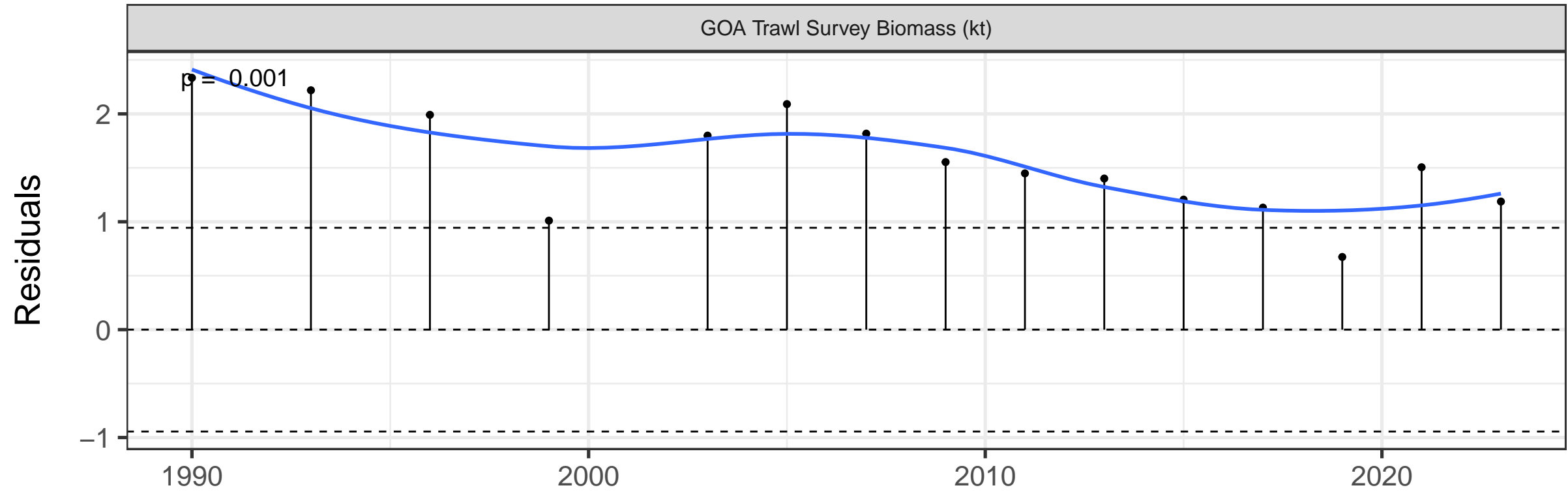
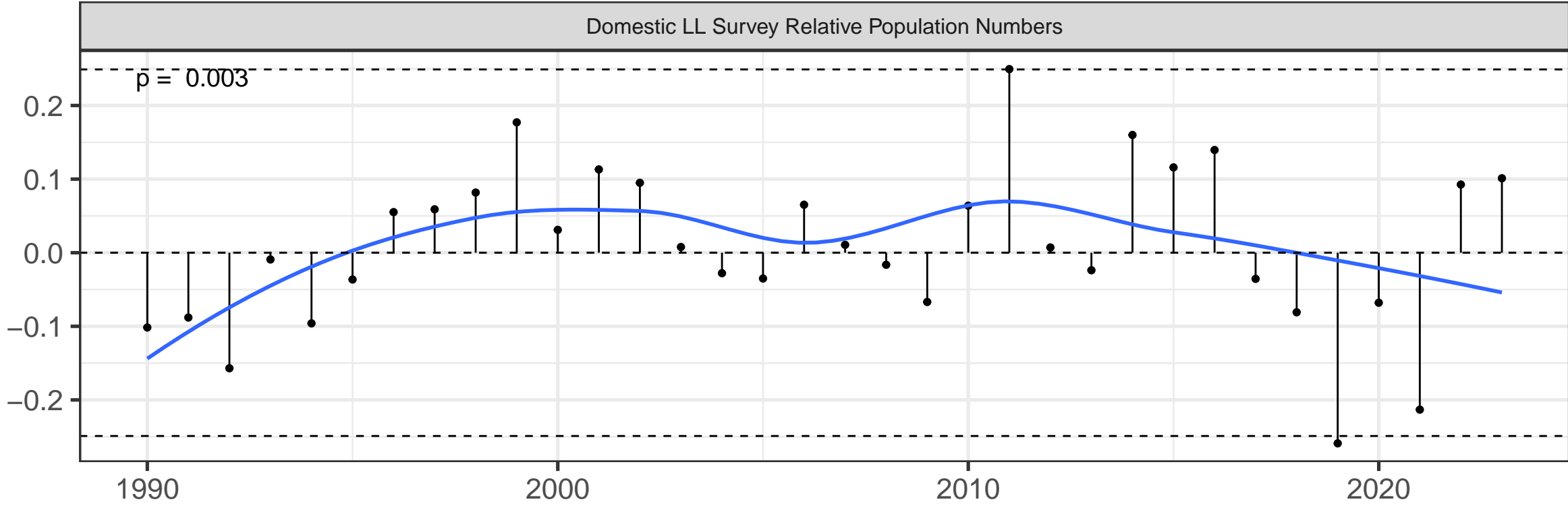
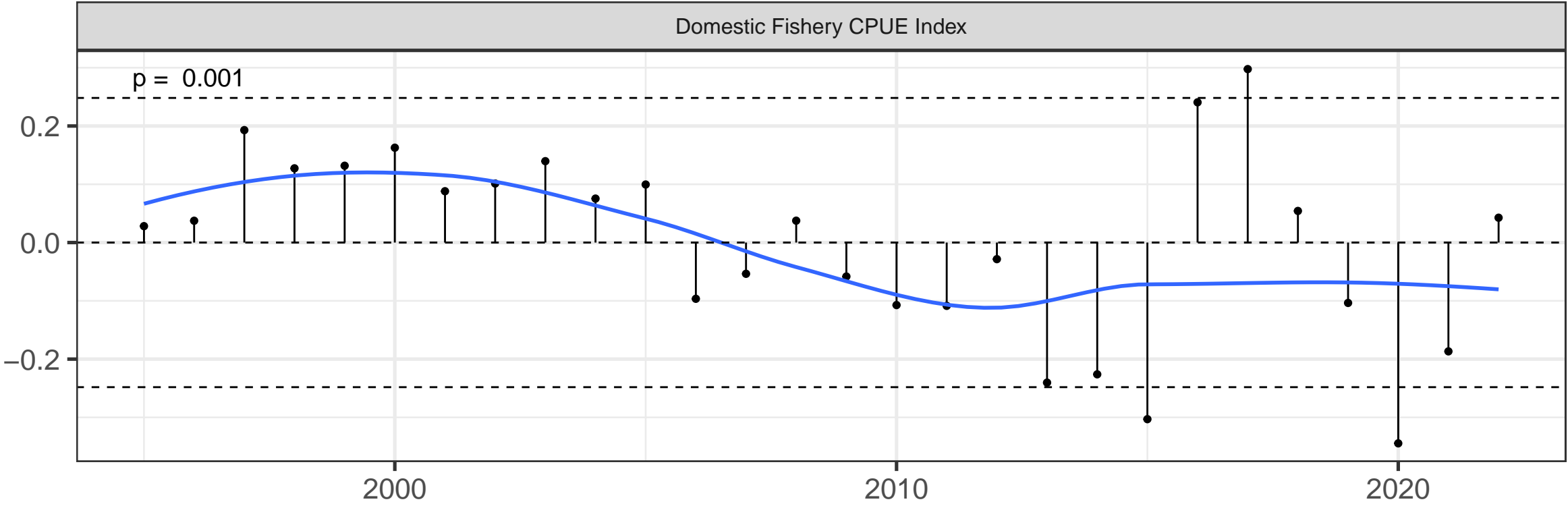




# Index Fits

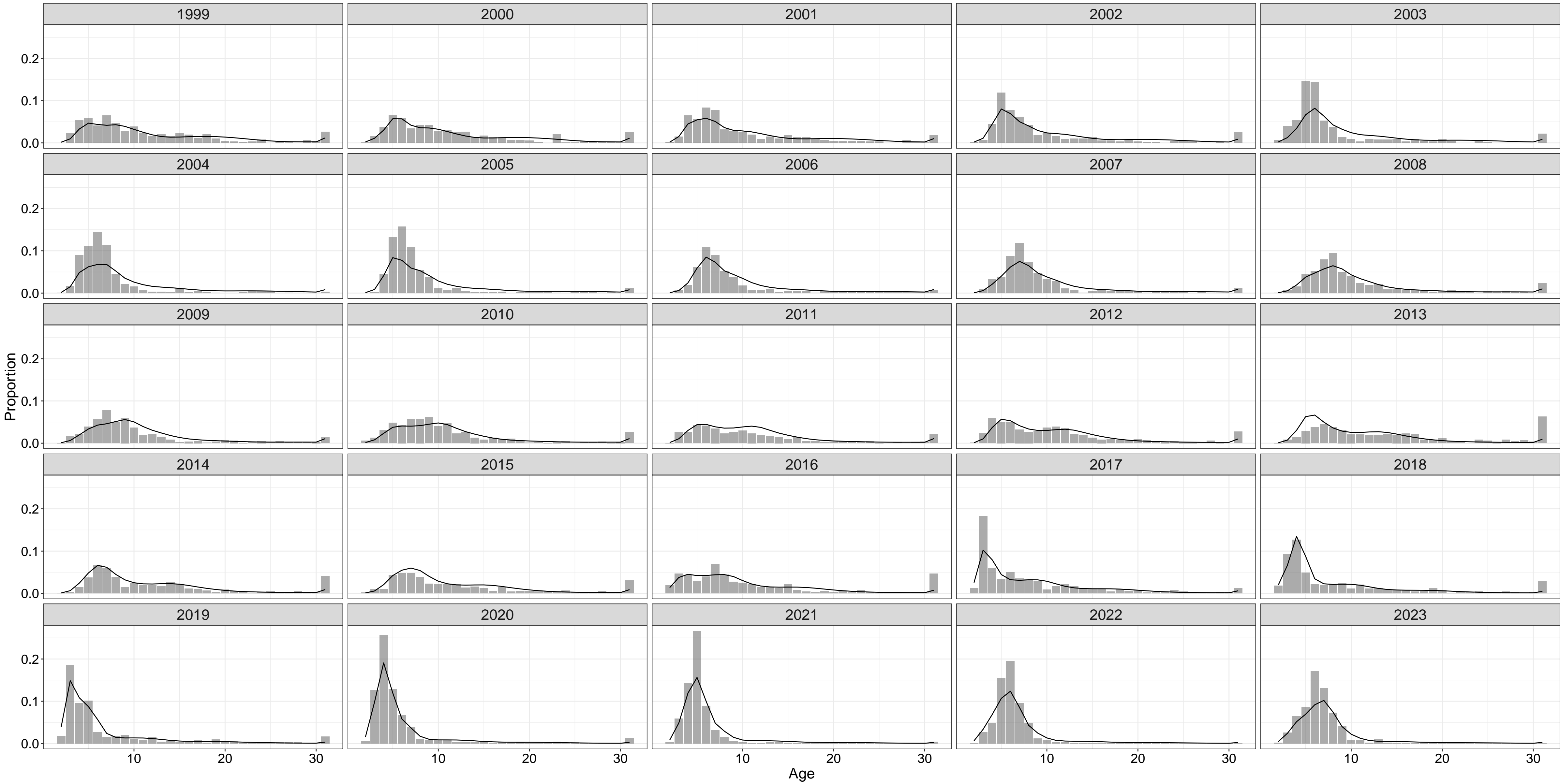


# Index Residuals Runs Test

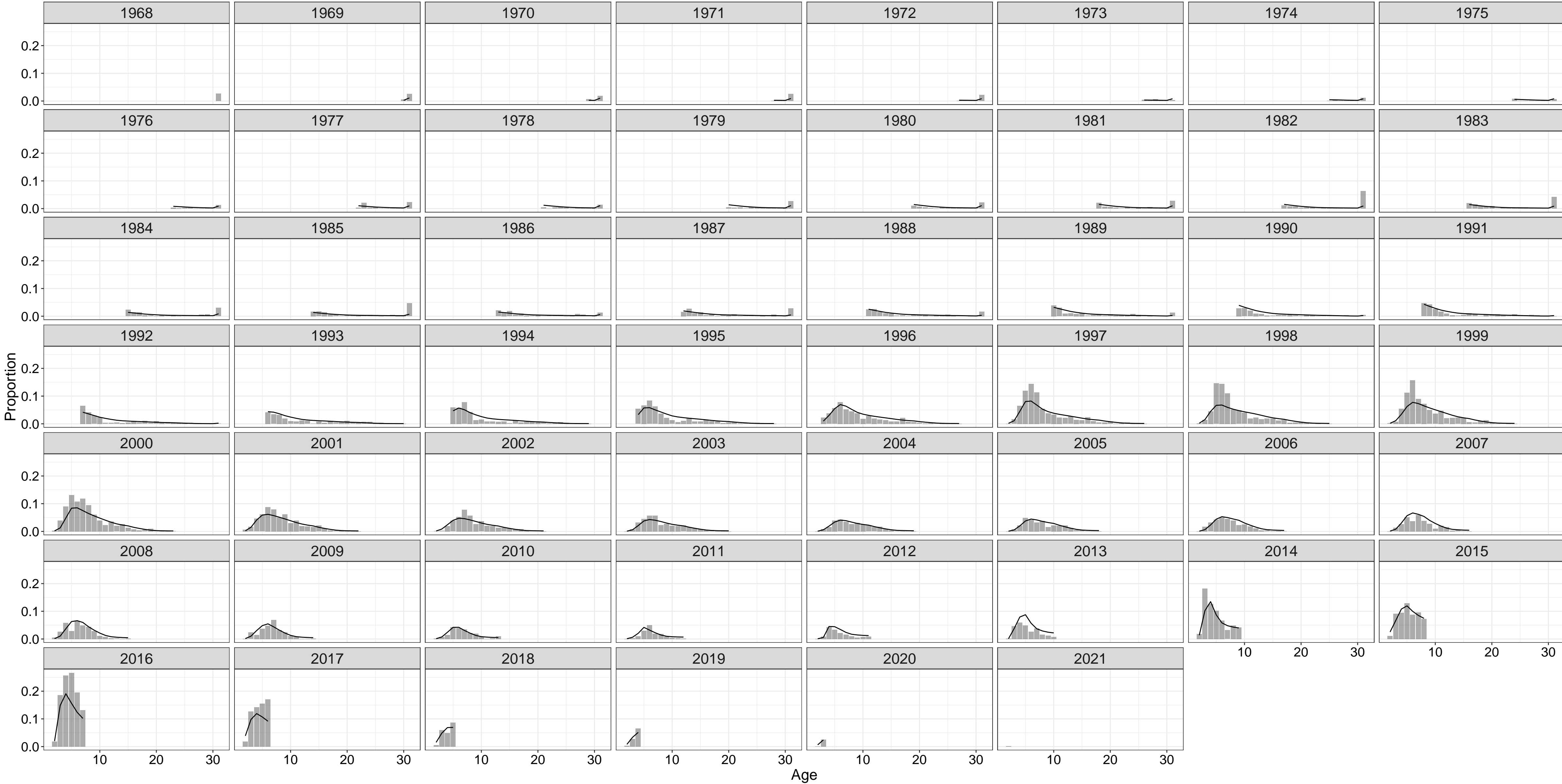


Year

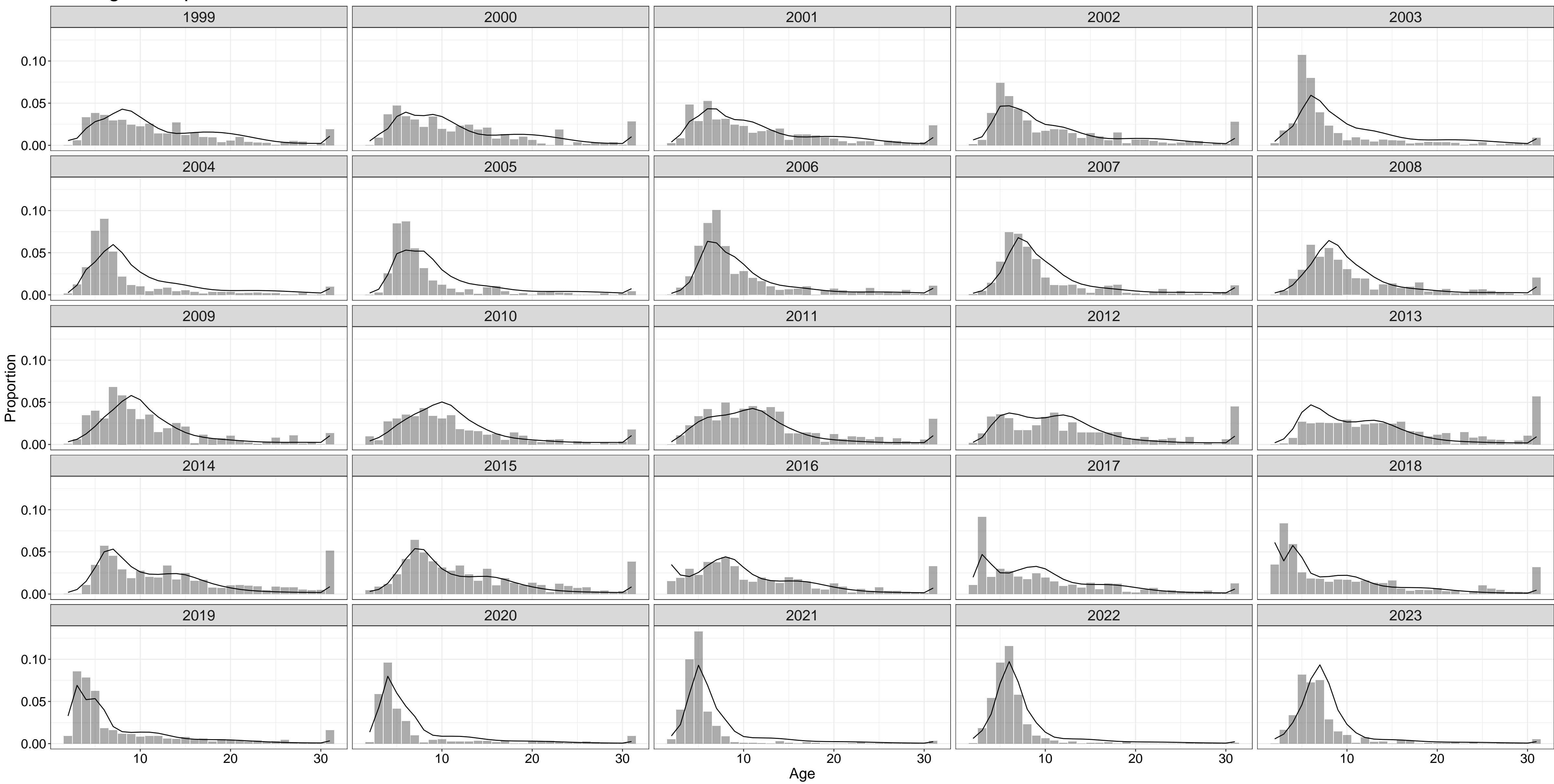
LLF Age Comps Female



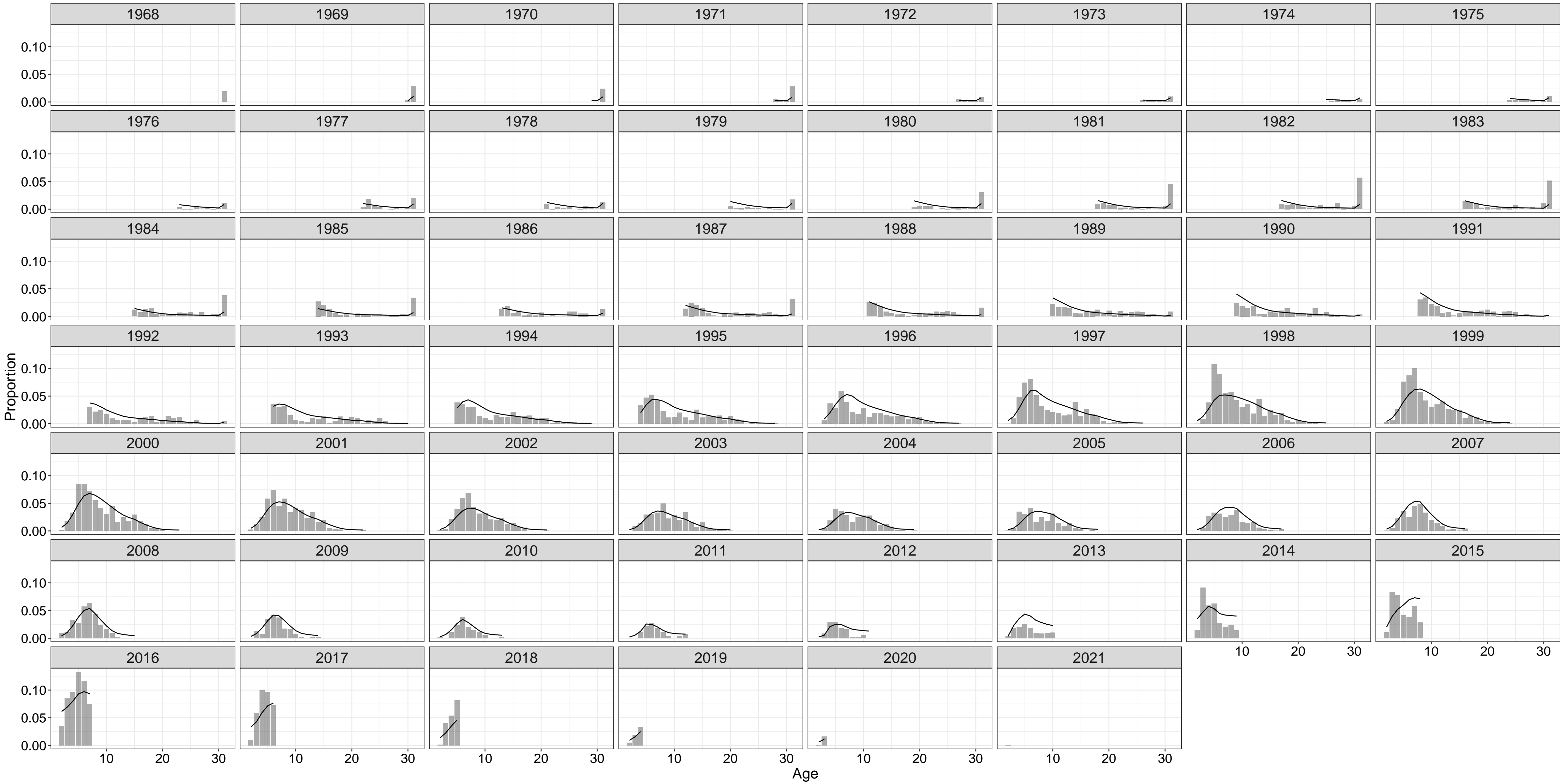
LLF Age Comps Cohort Fits Female



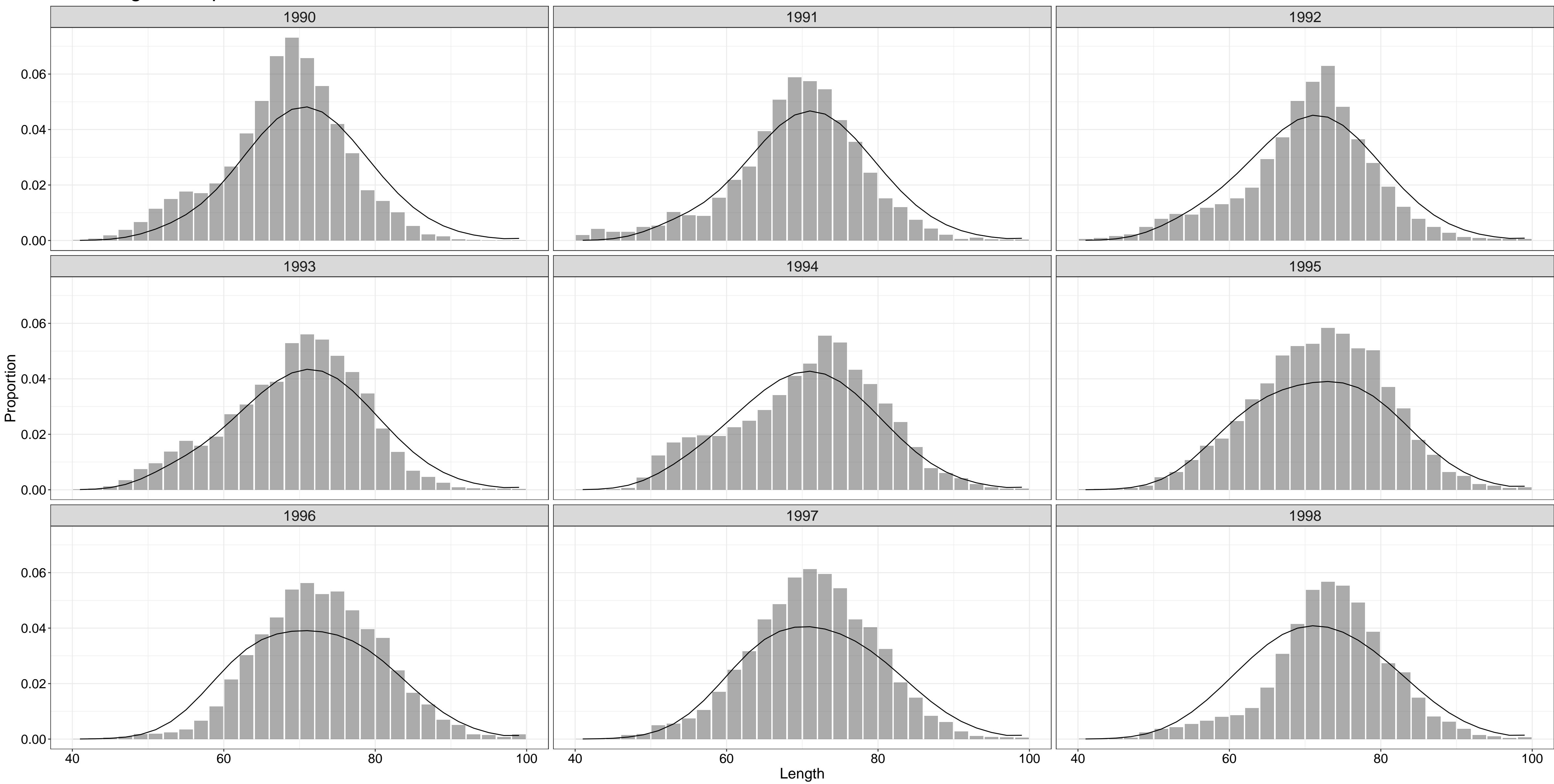
# LLF Age Comps Male



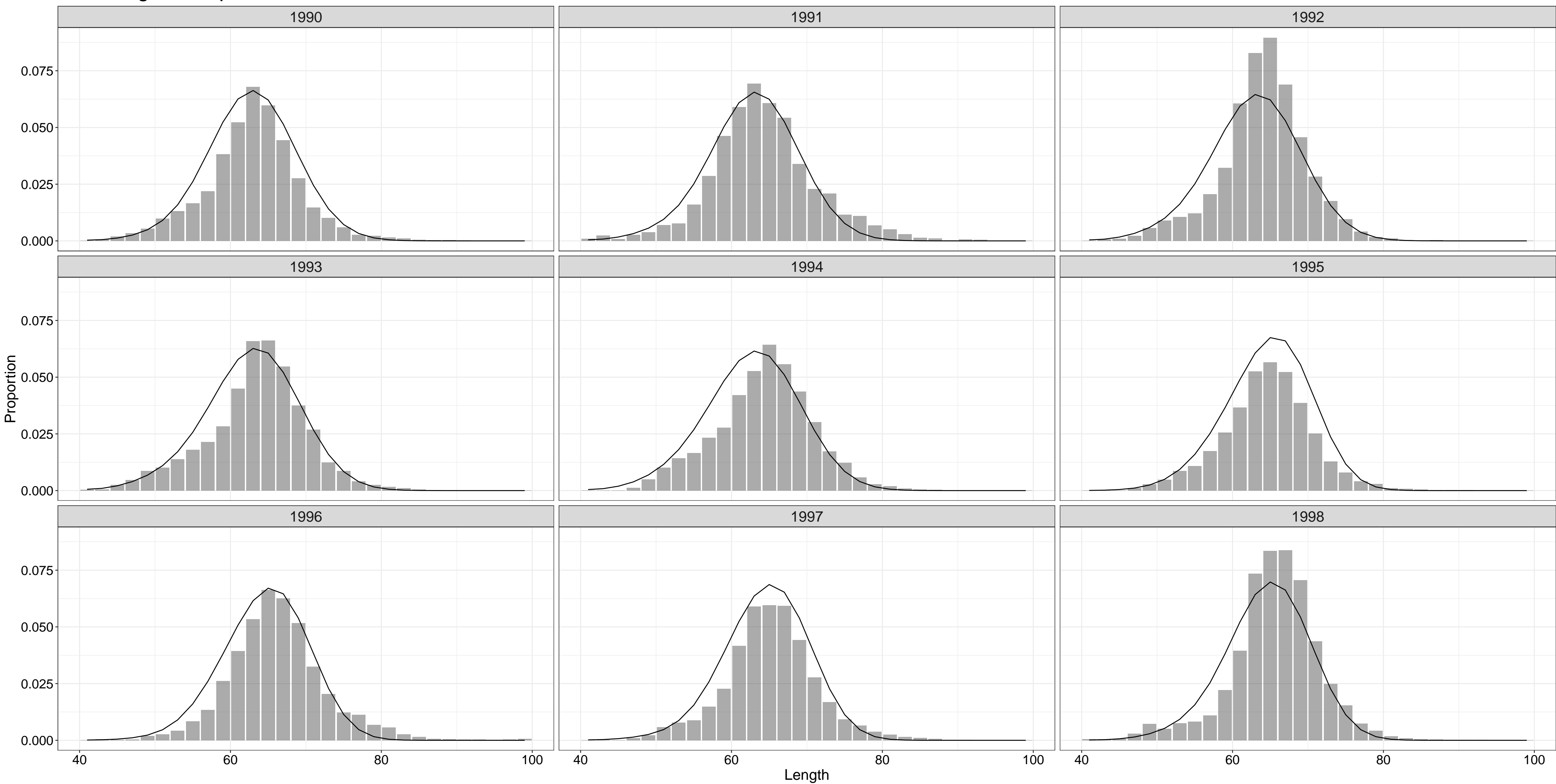
LLF Age Comps Cohort Fits Male



# LLF Length Comps Female

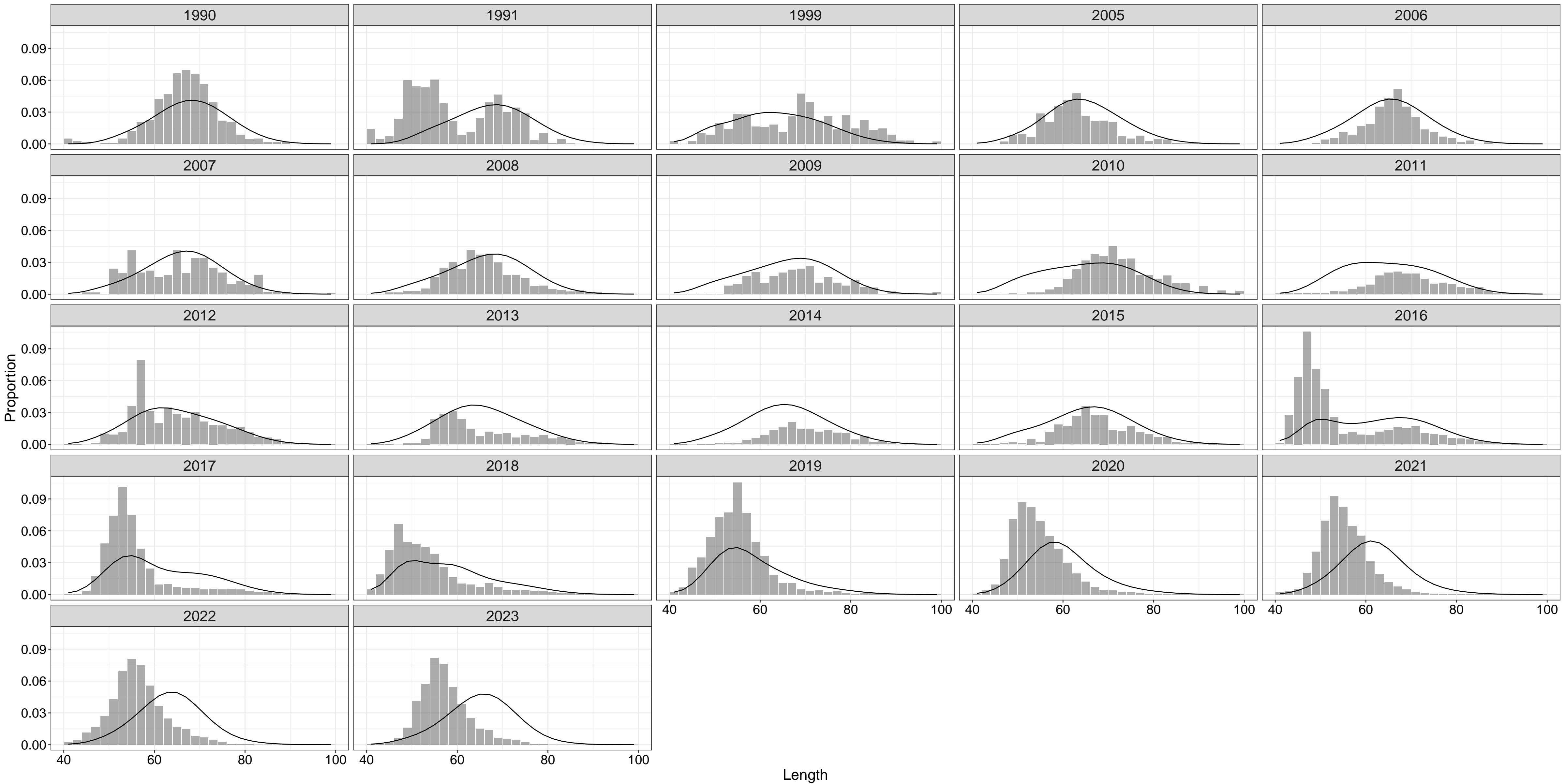


# LLF Length Comps Male

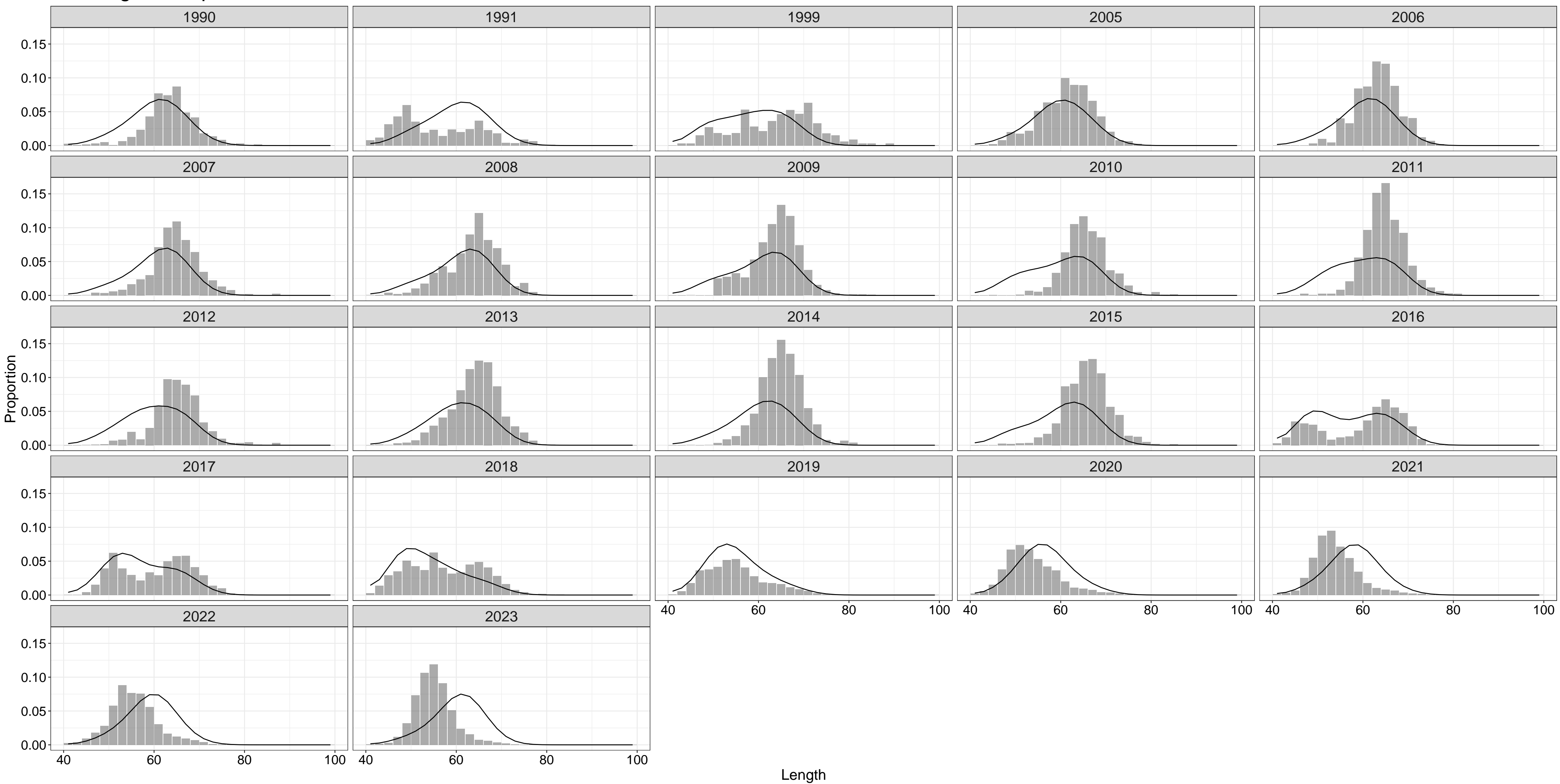




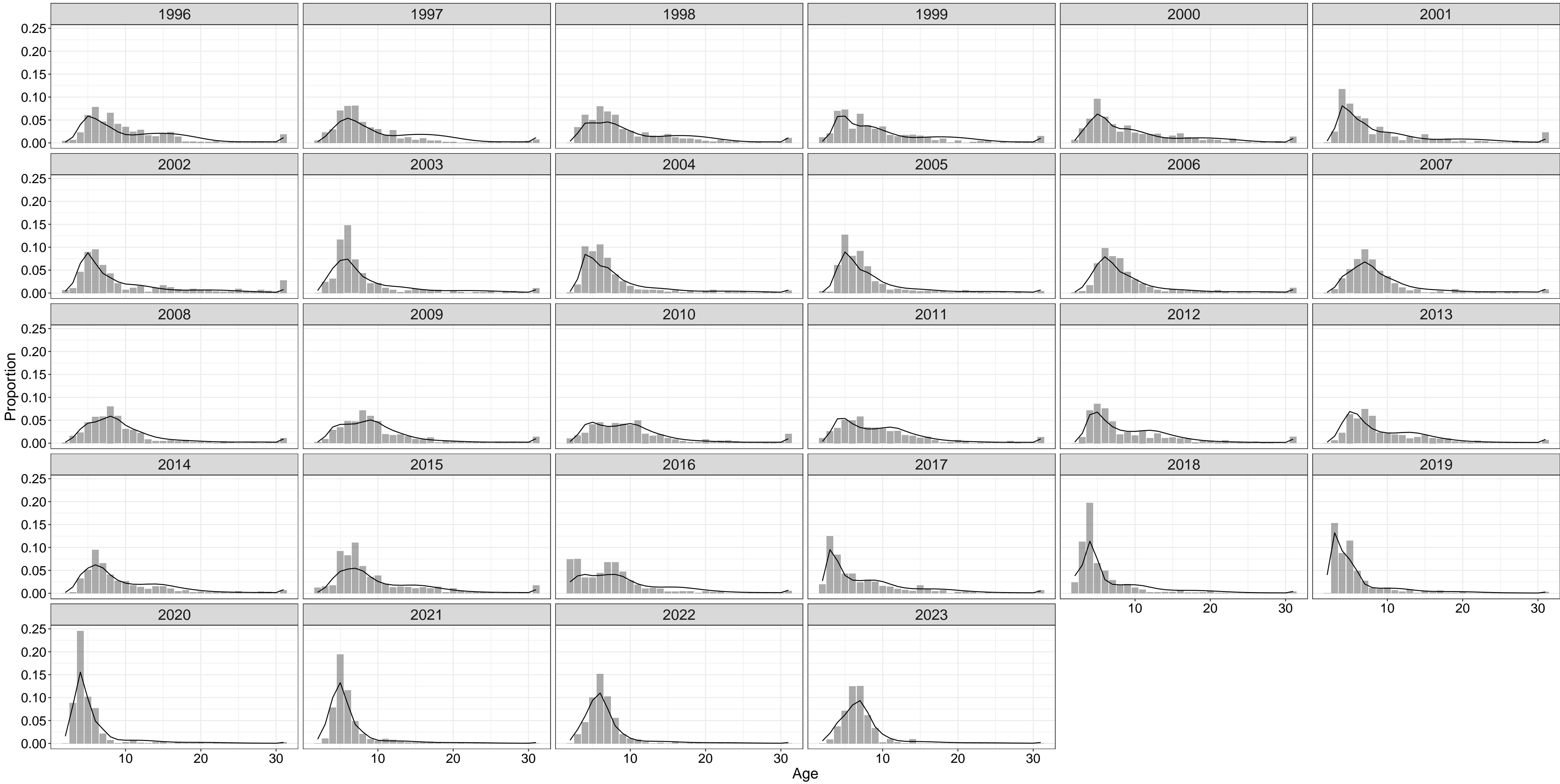
# TF Length Comps Female



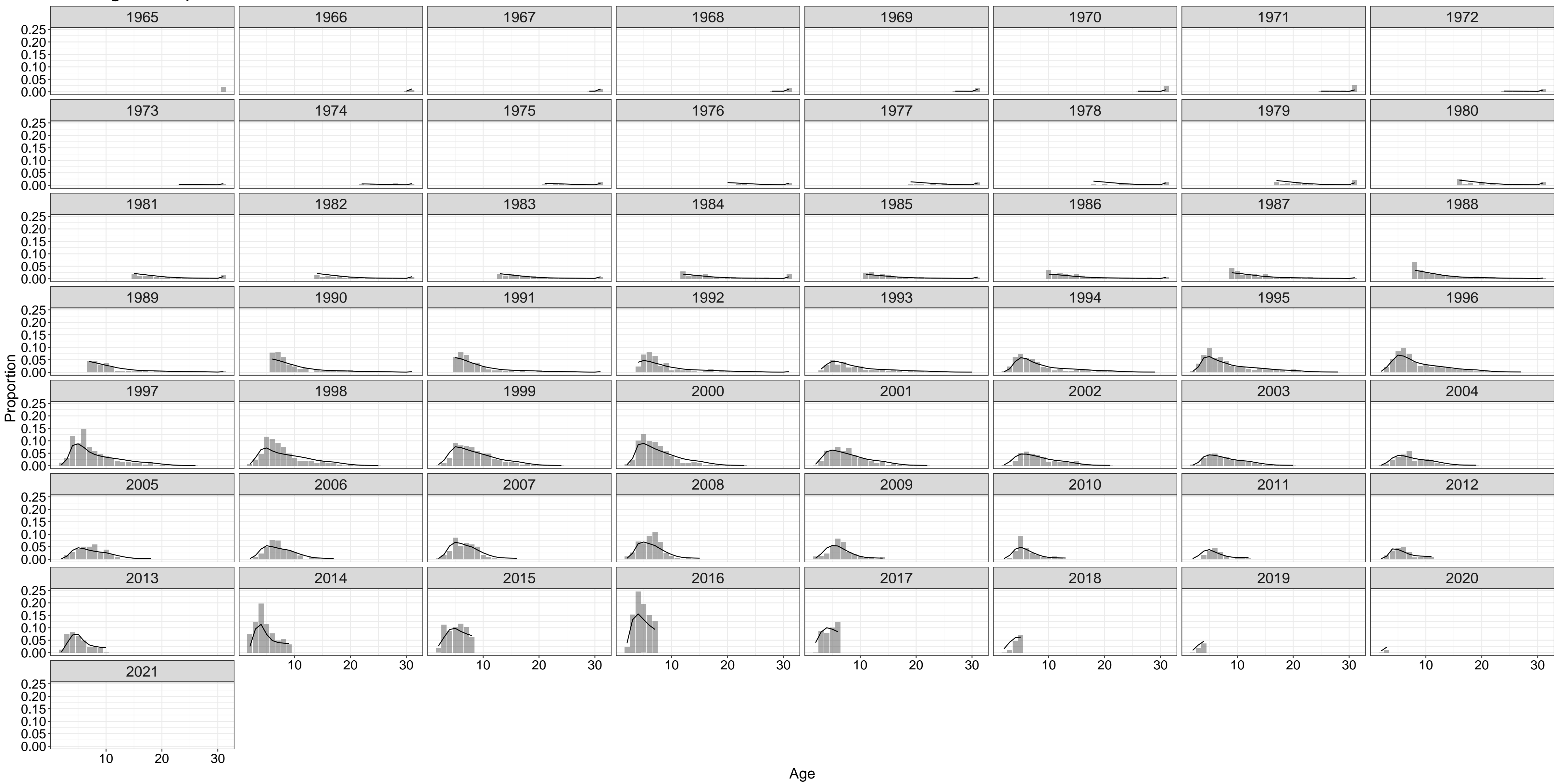
# TF Length Comps Male



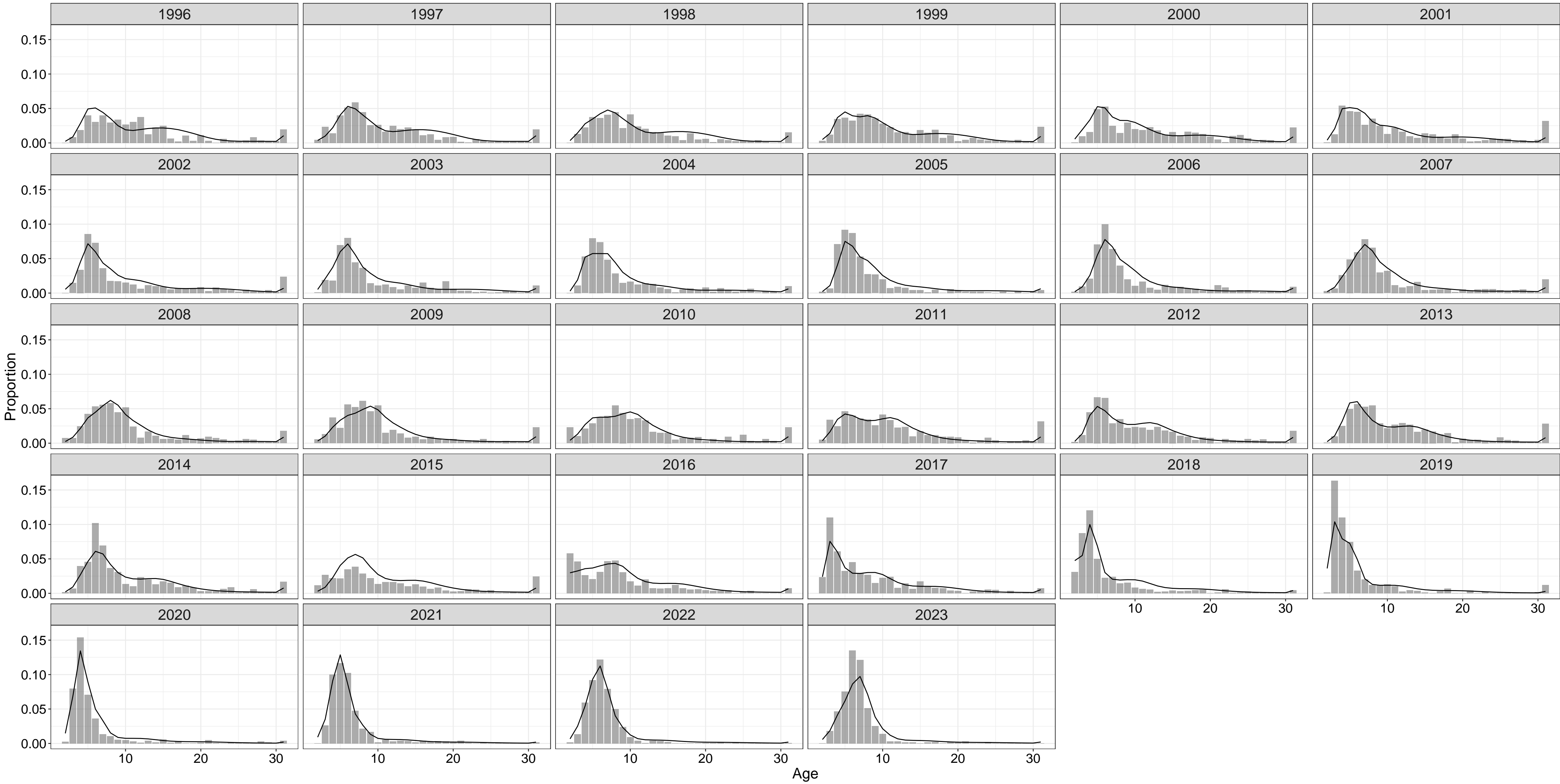
# LLS Age Comps Female



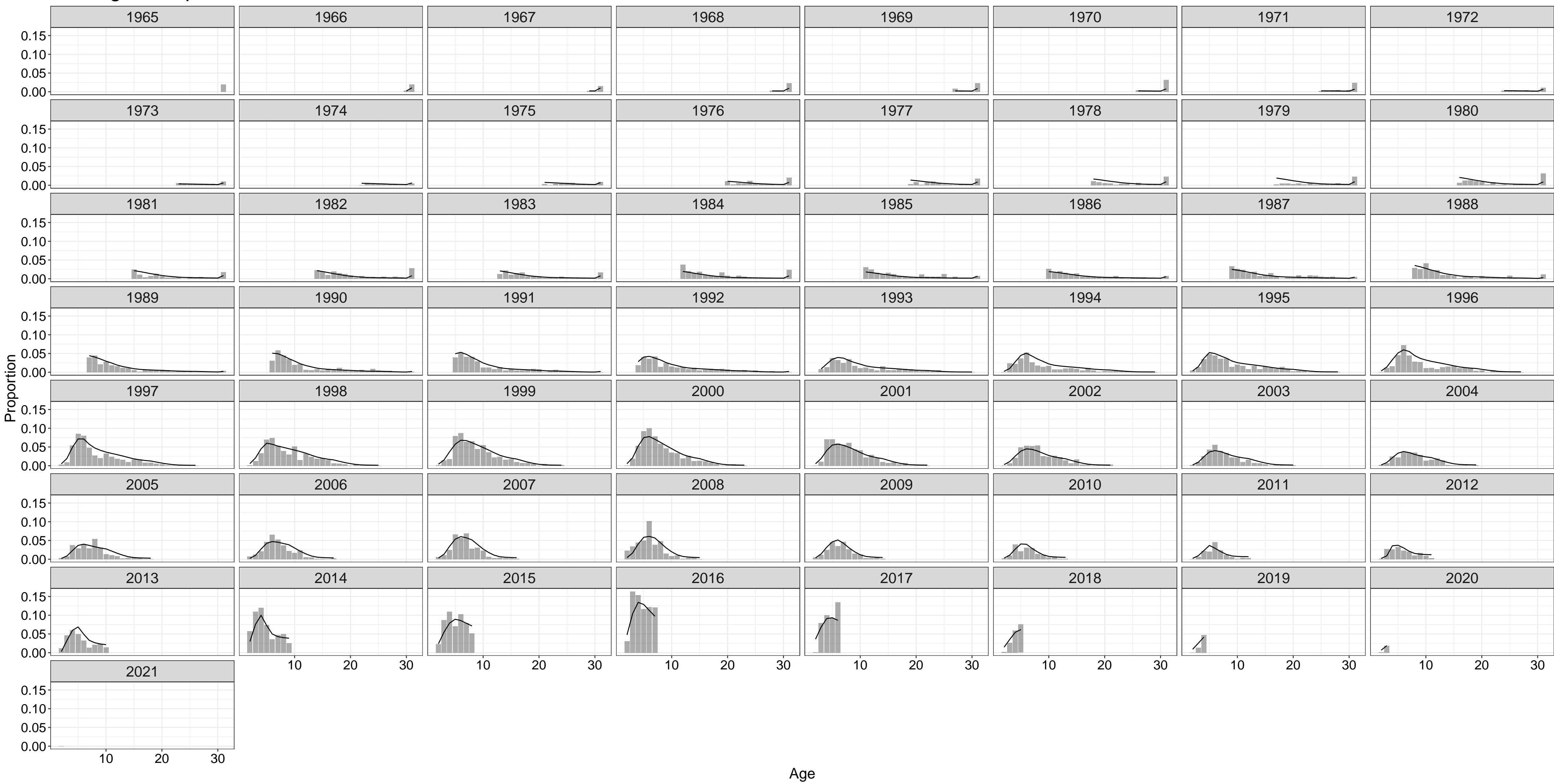
# LLS Age Comps Cohort Fit Female



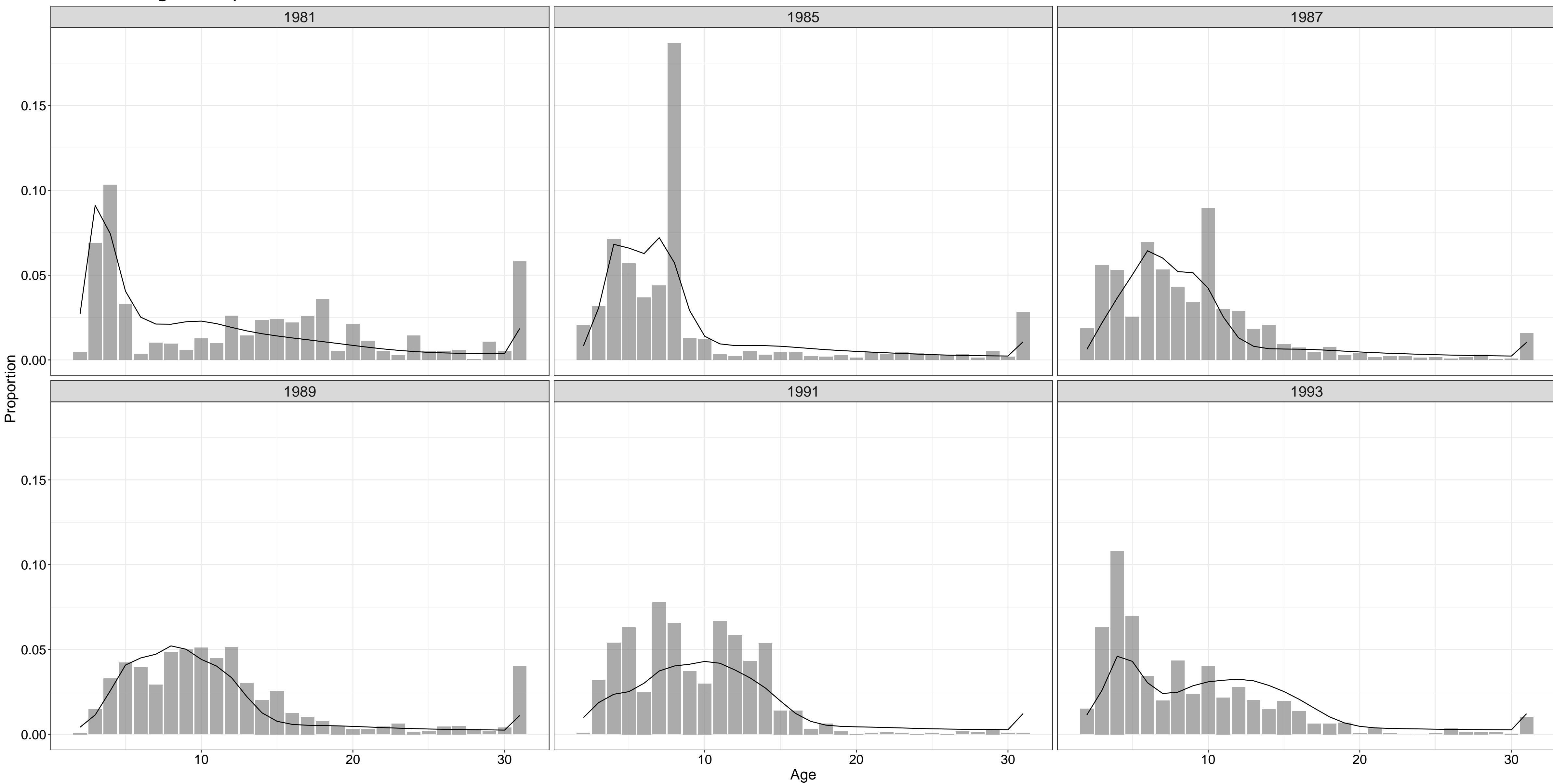
# LLS Age Comps Male



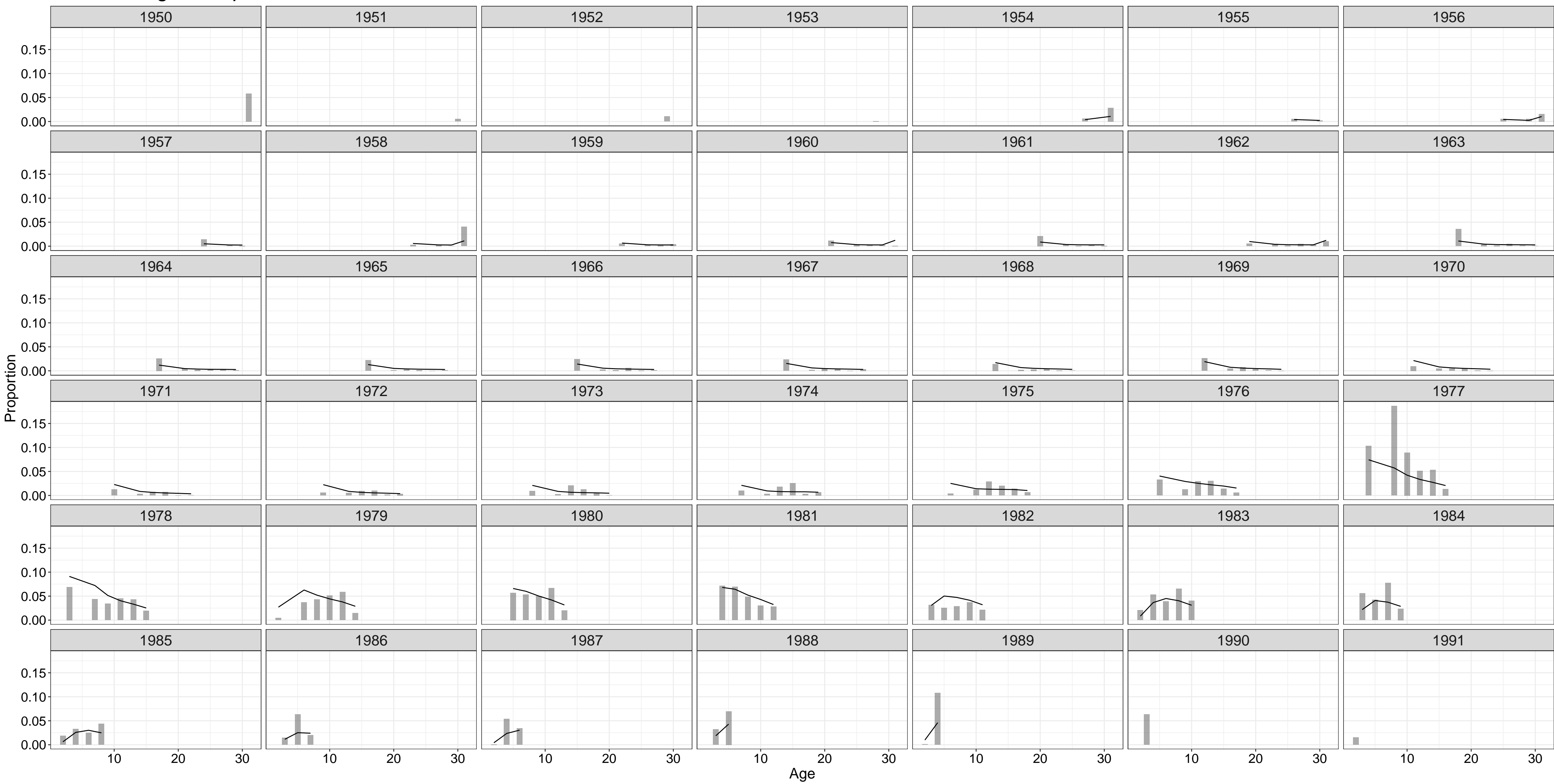
# LLS Age Comps Cohort Fit Male



JPN LLS Age Comps Female

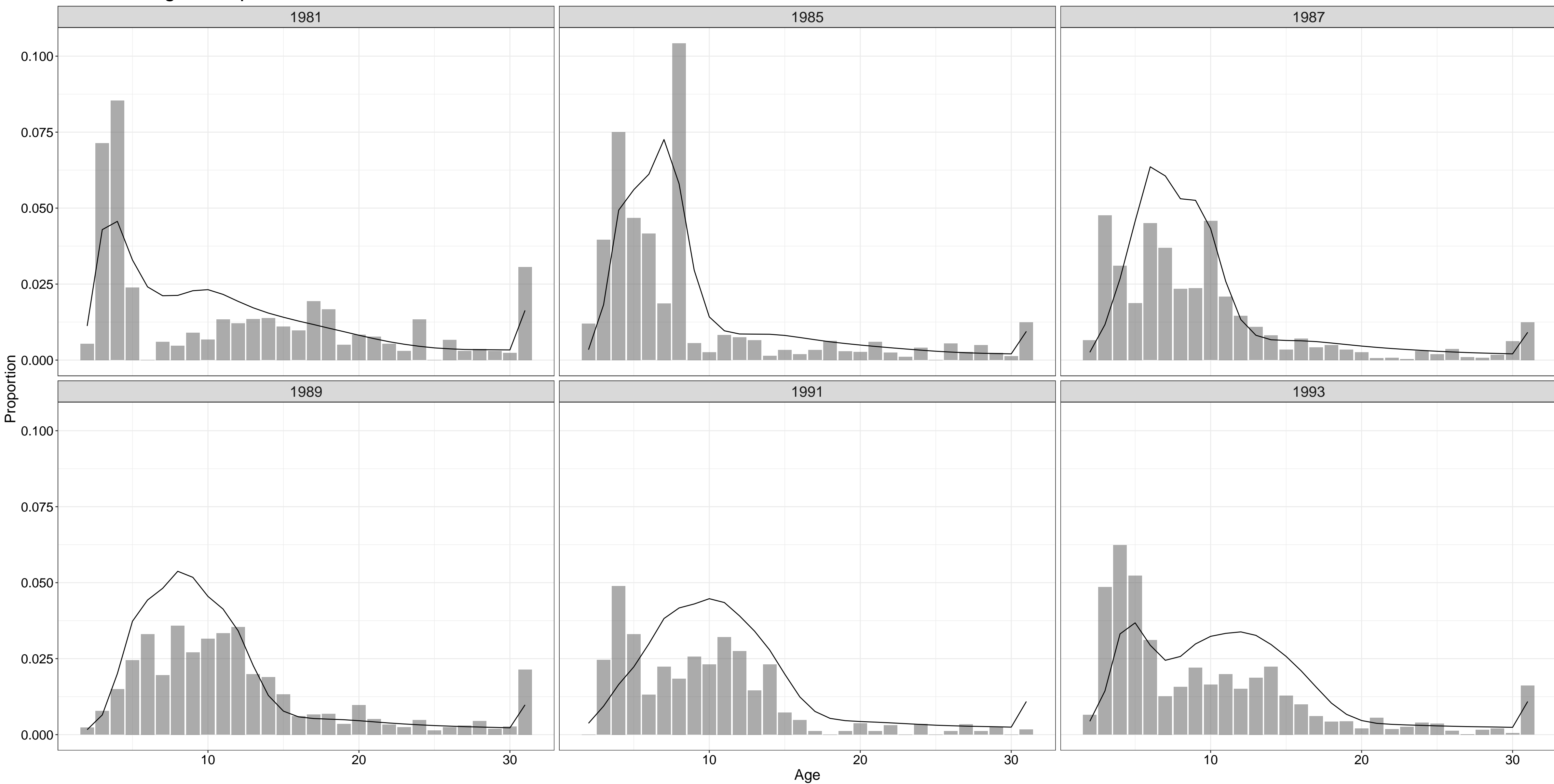


JPN LLS Age Comps Cohort Fit Female

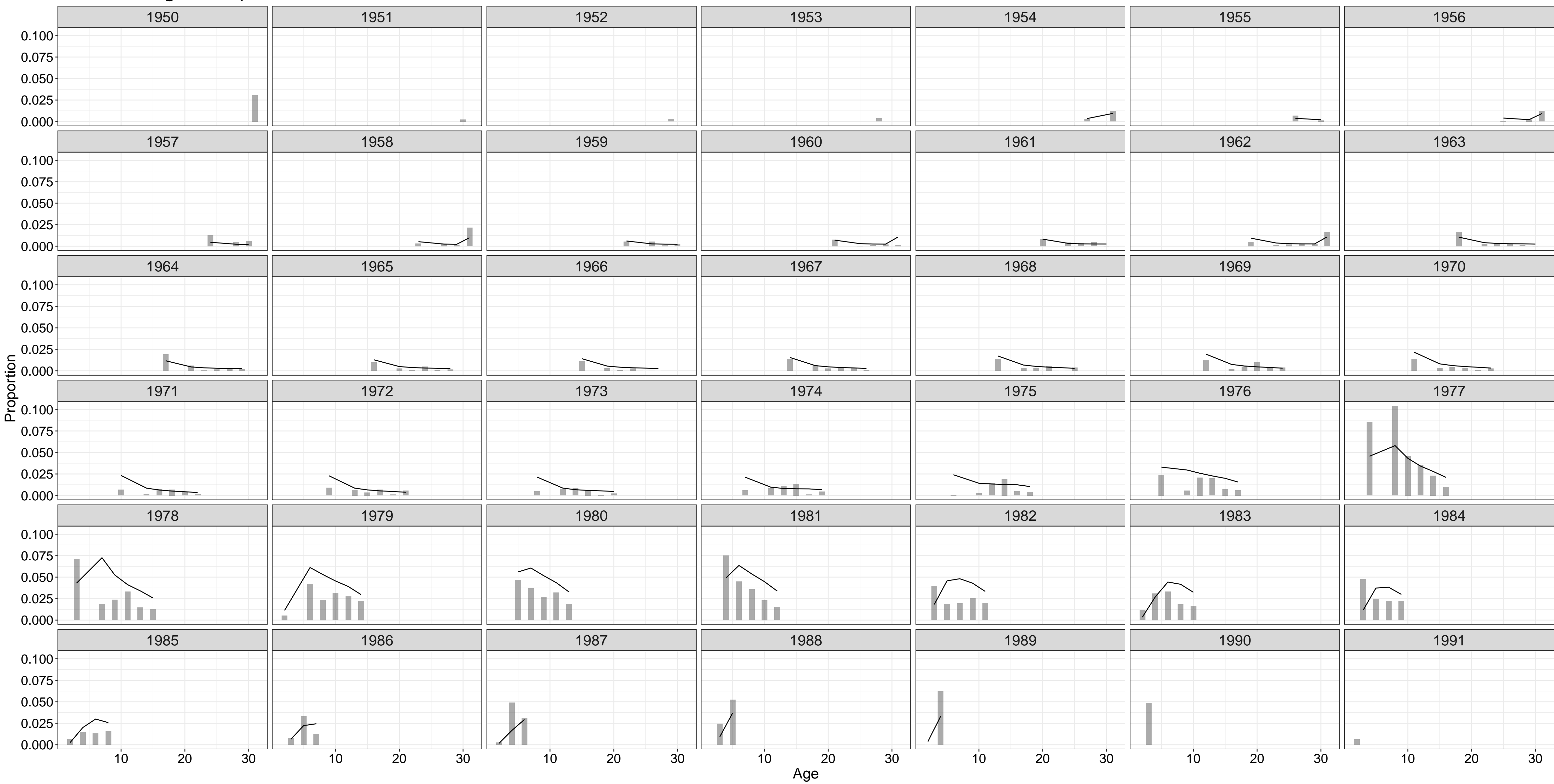




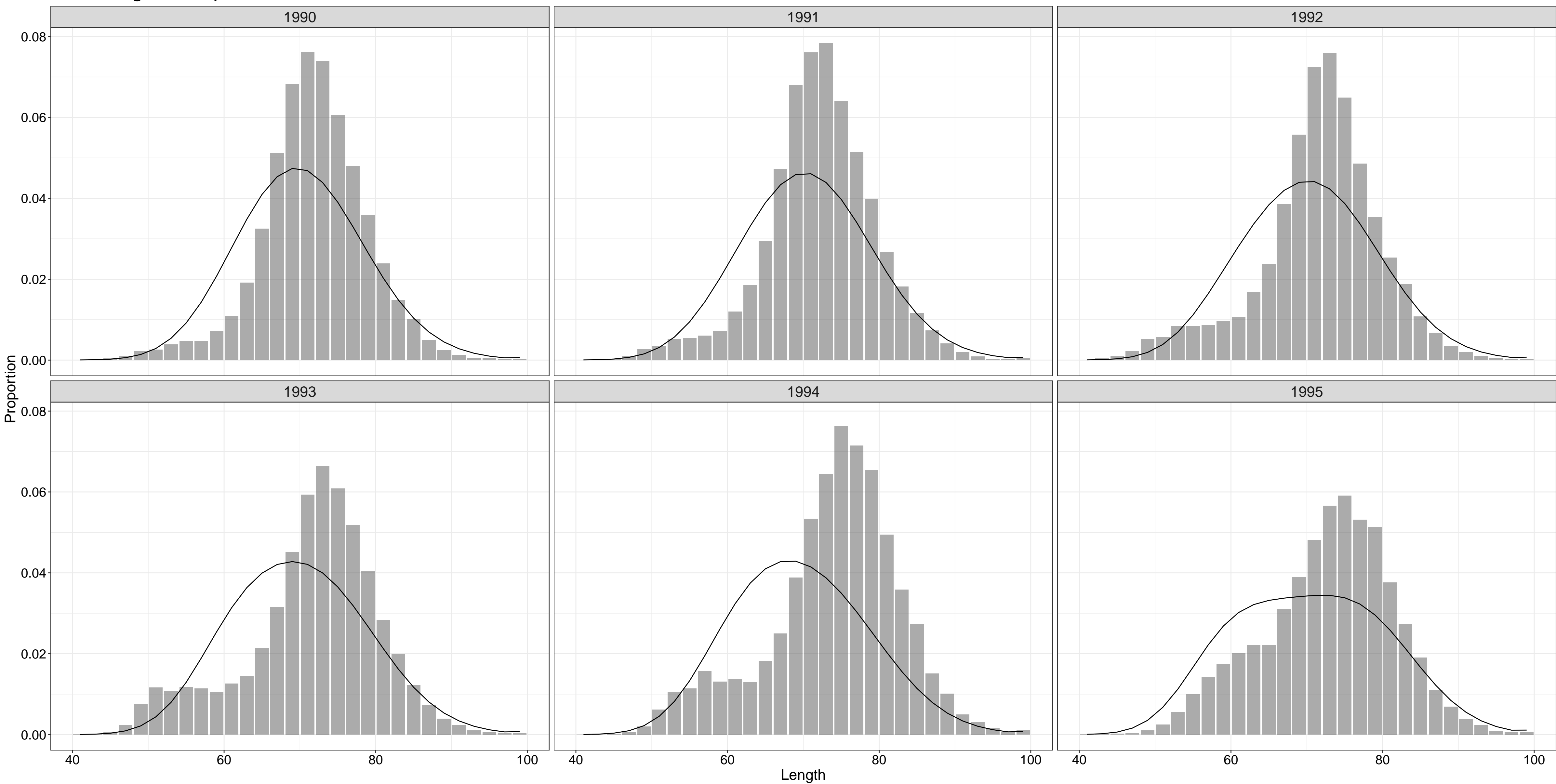
# JPN LLS Age Comps Male



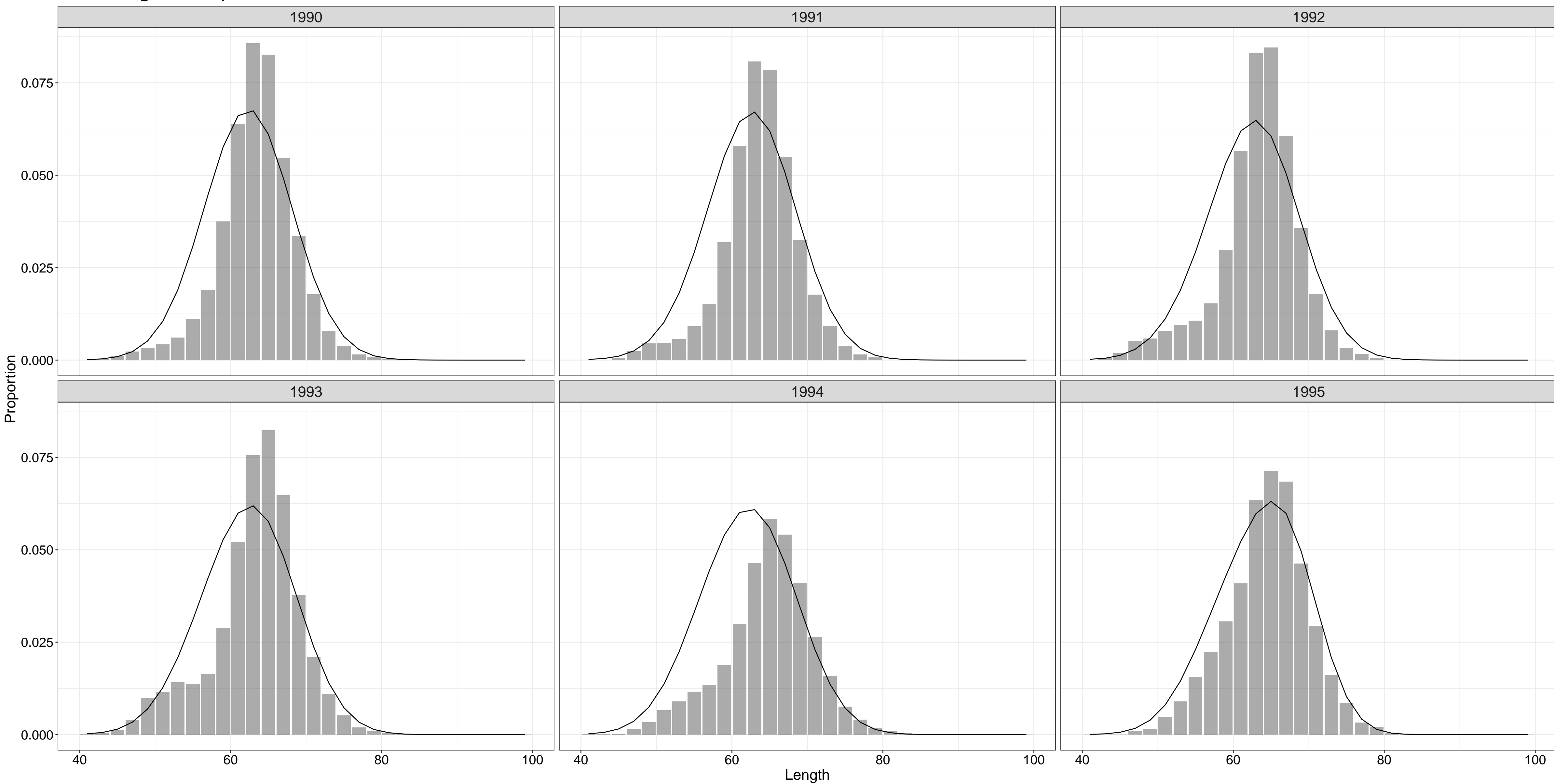
JPN LLS Age Comps Cohort Fit Male



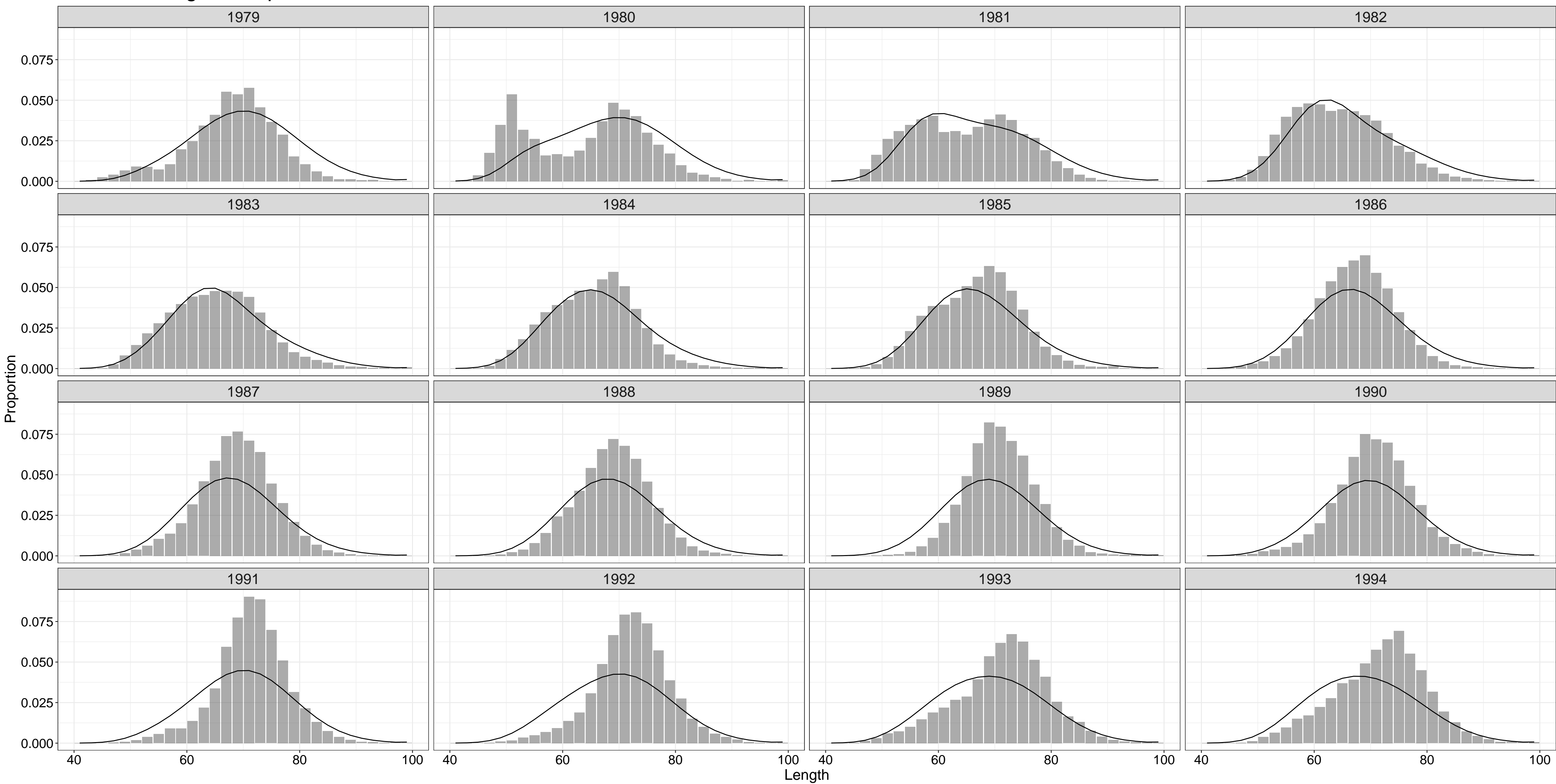
# LLS Length Comps Female



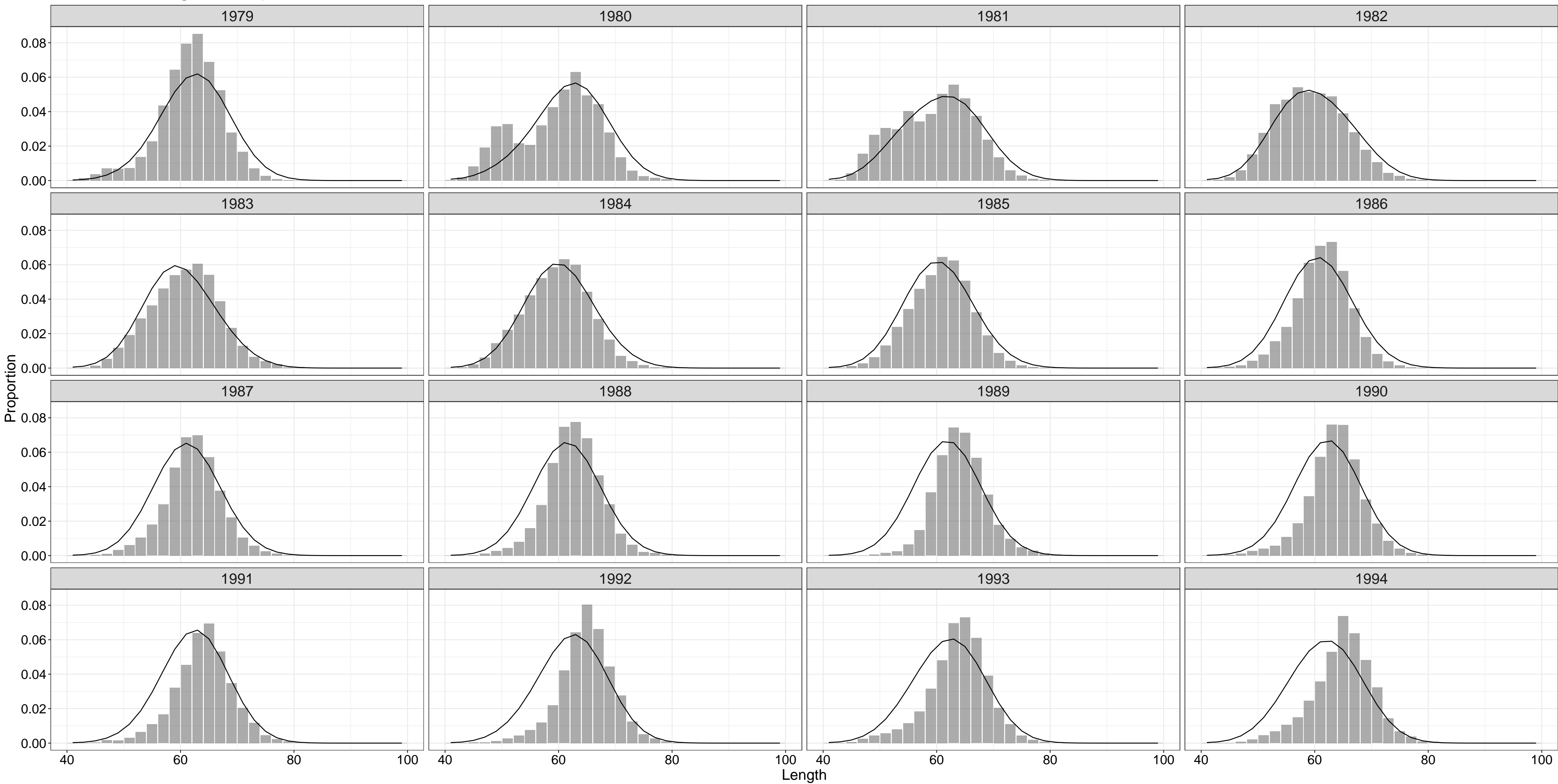
# LLS Length Comps Male

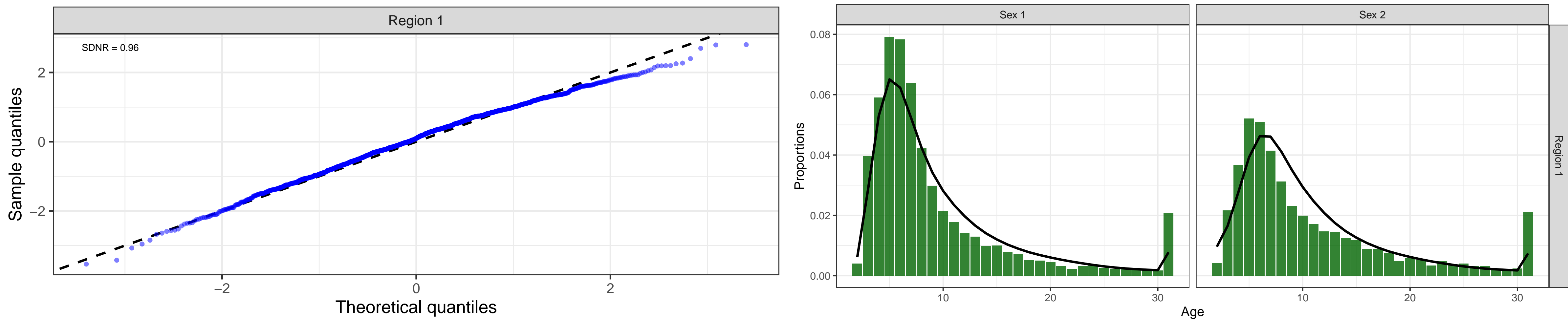
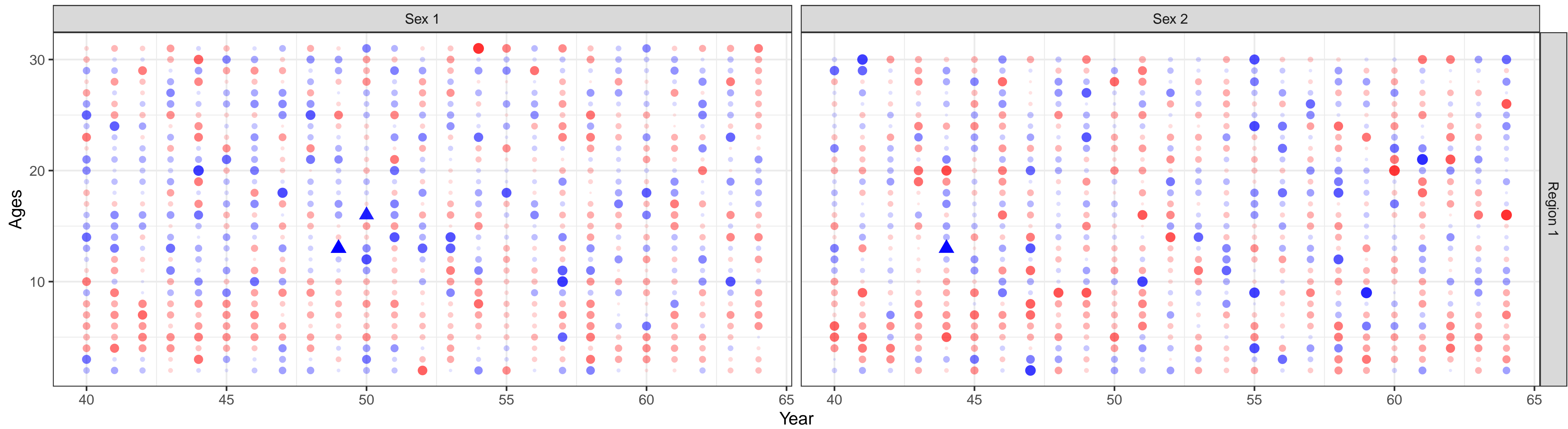


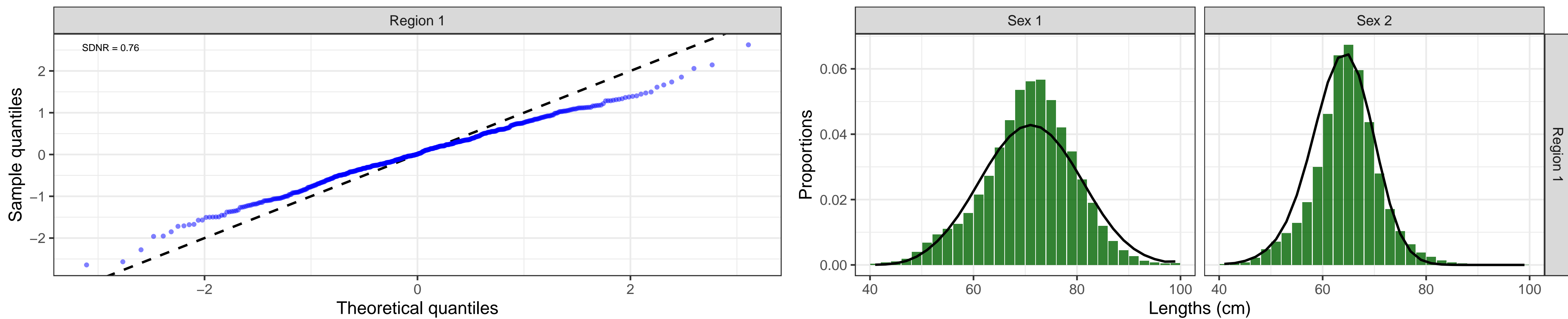
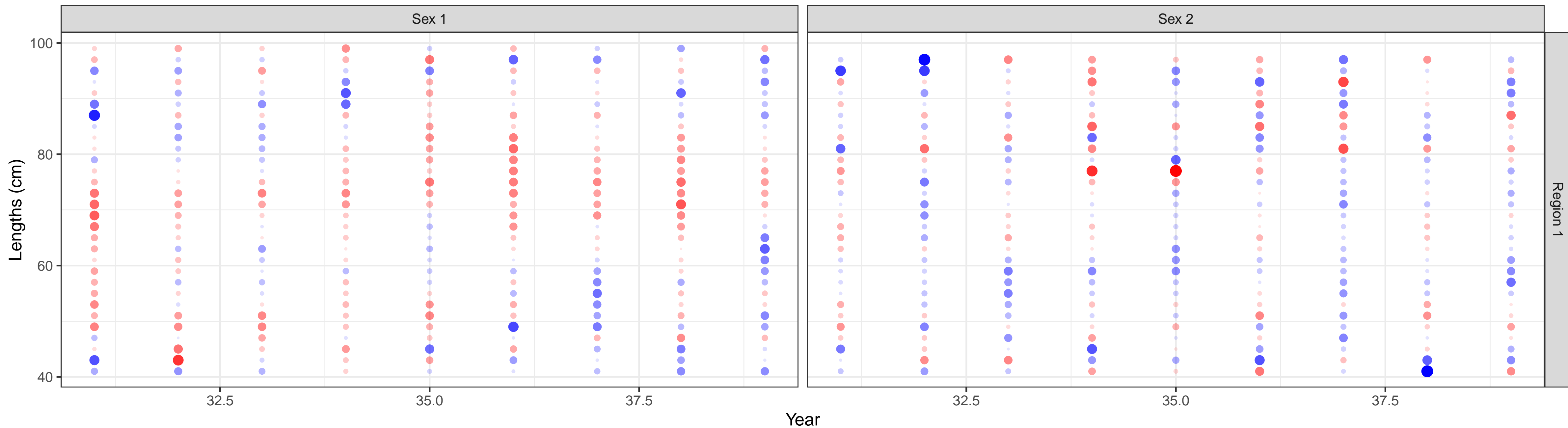
# JPN LLS Length Comps Female



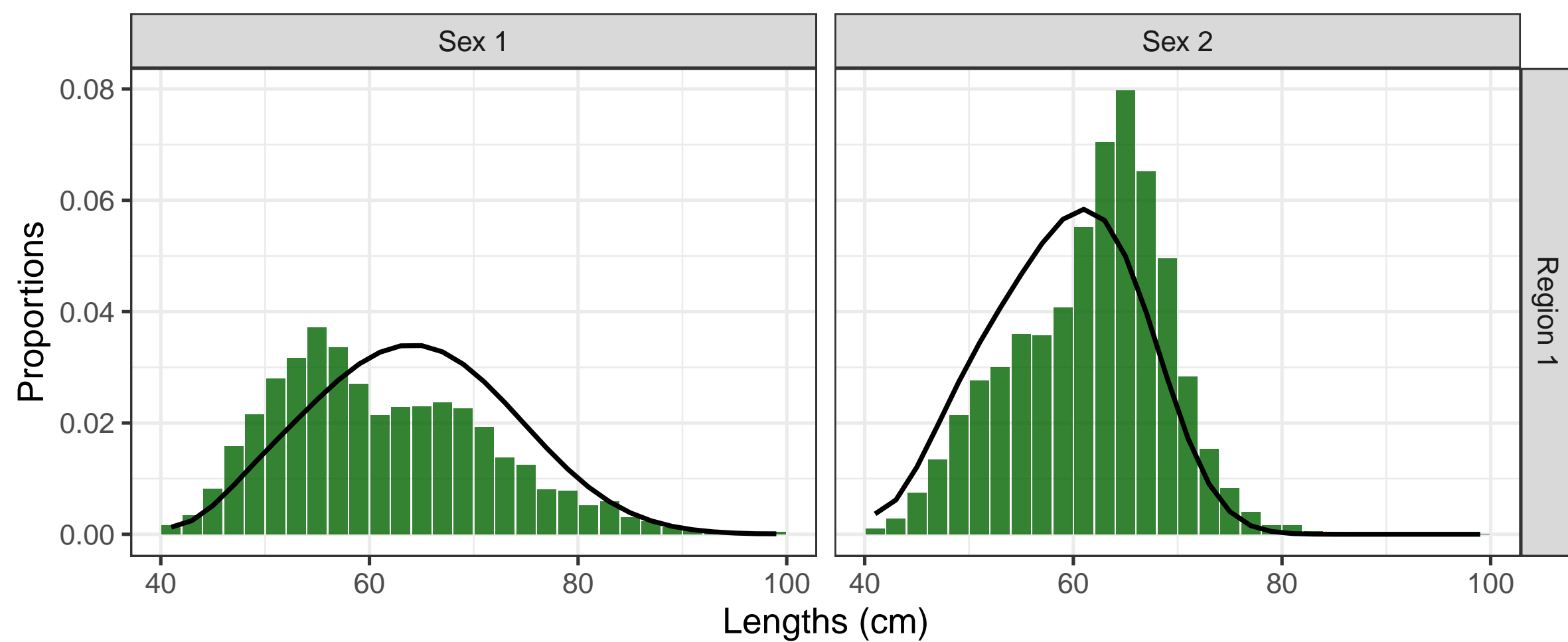
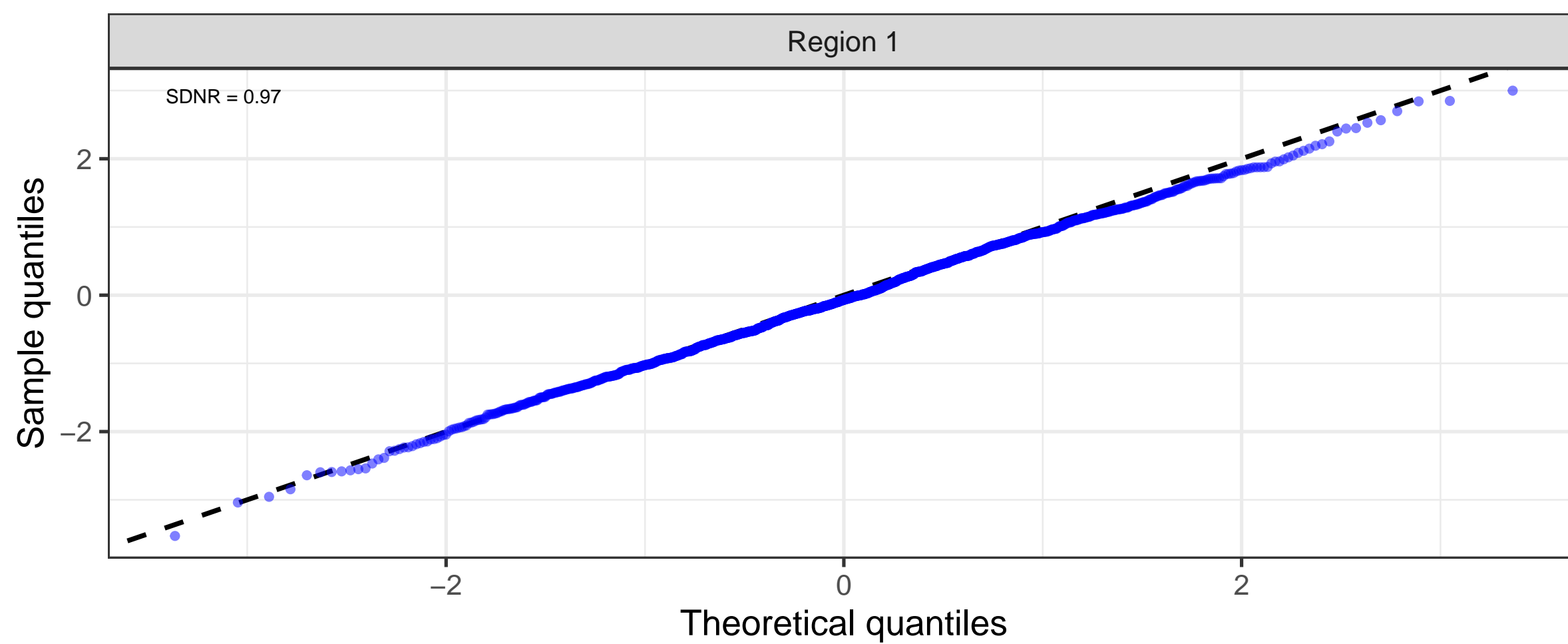
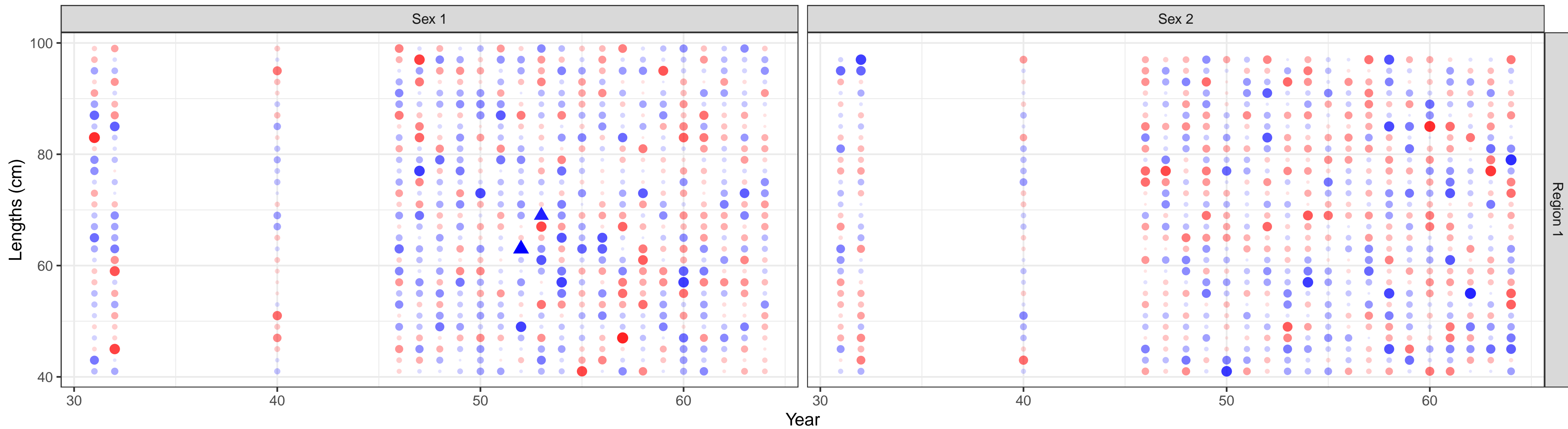
# JPN LLS Length Comps Male

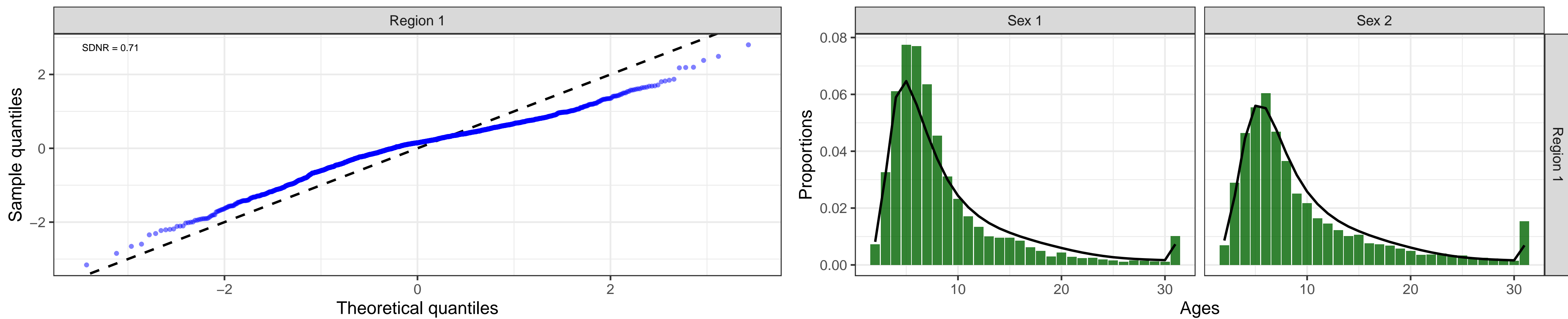
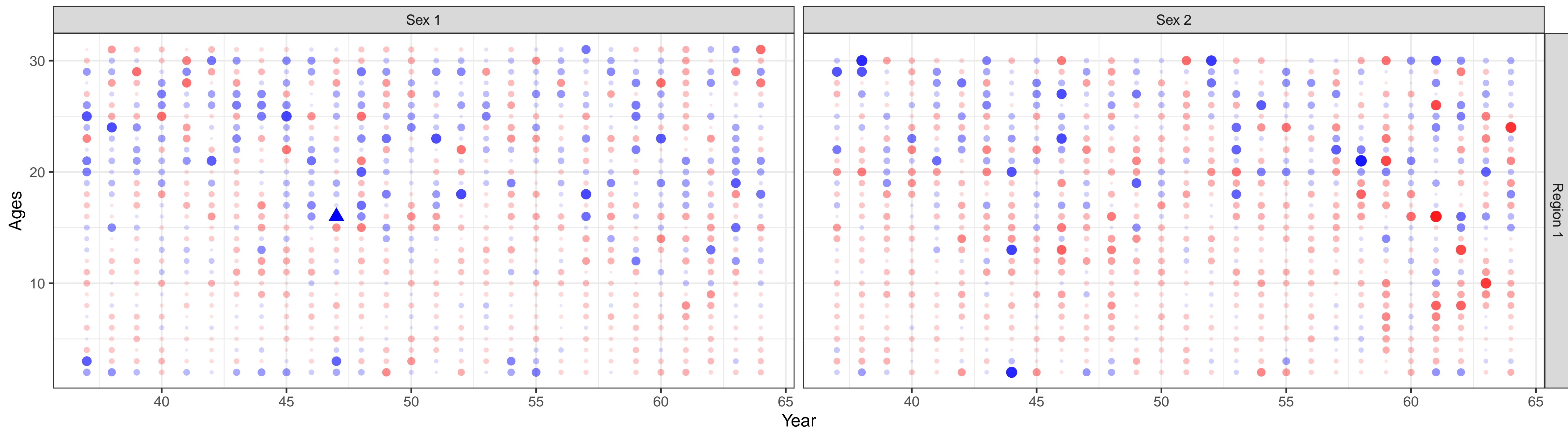


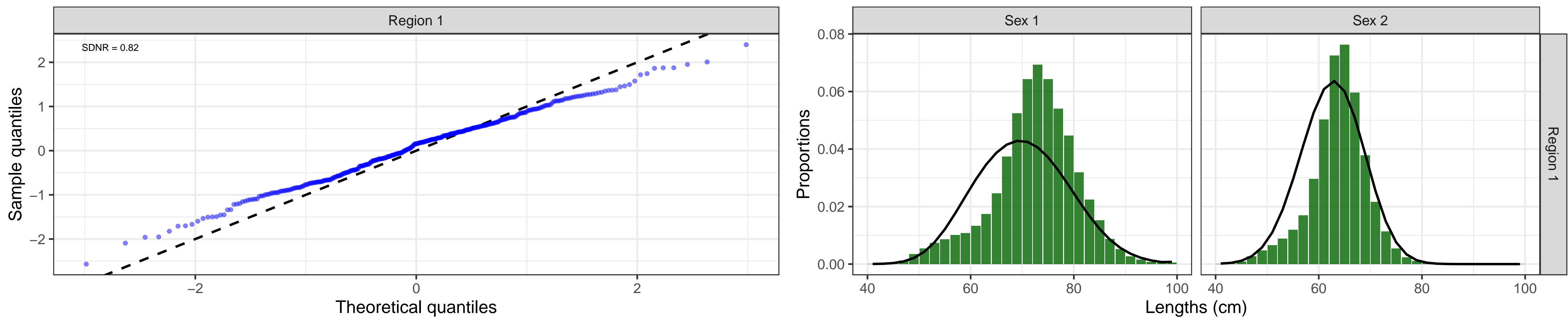
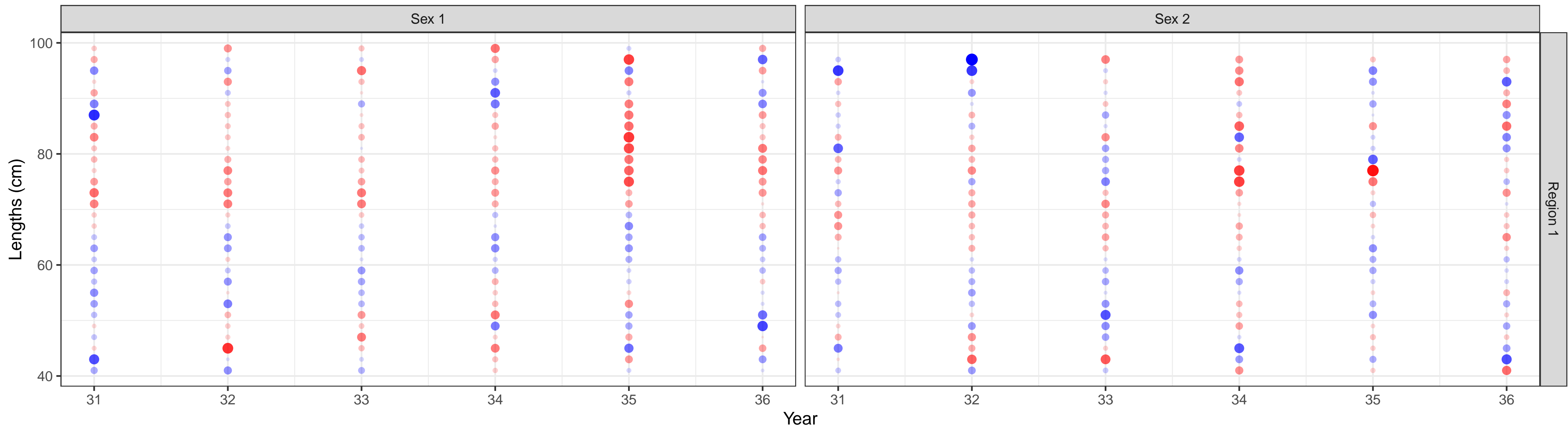












abs(Resid)   ● 1   ● 2   ● 3   Sign   ● Neg   ● Pos   Outlier   ● No   ▲ Yes

