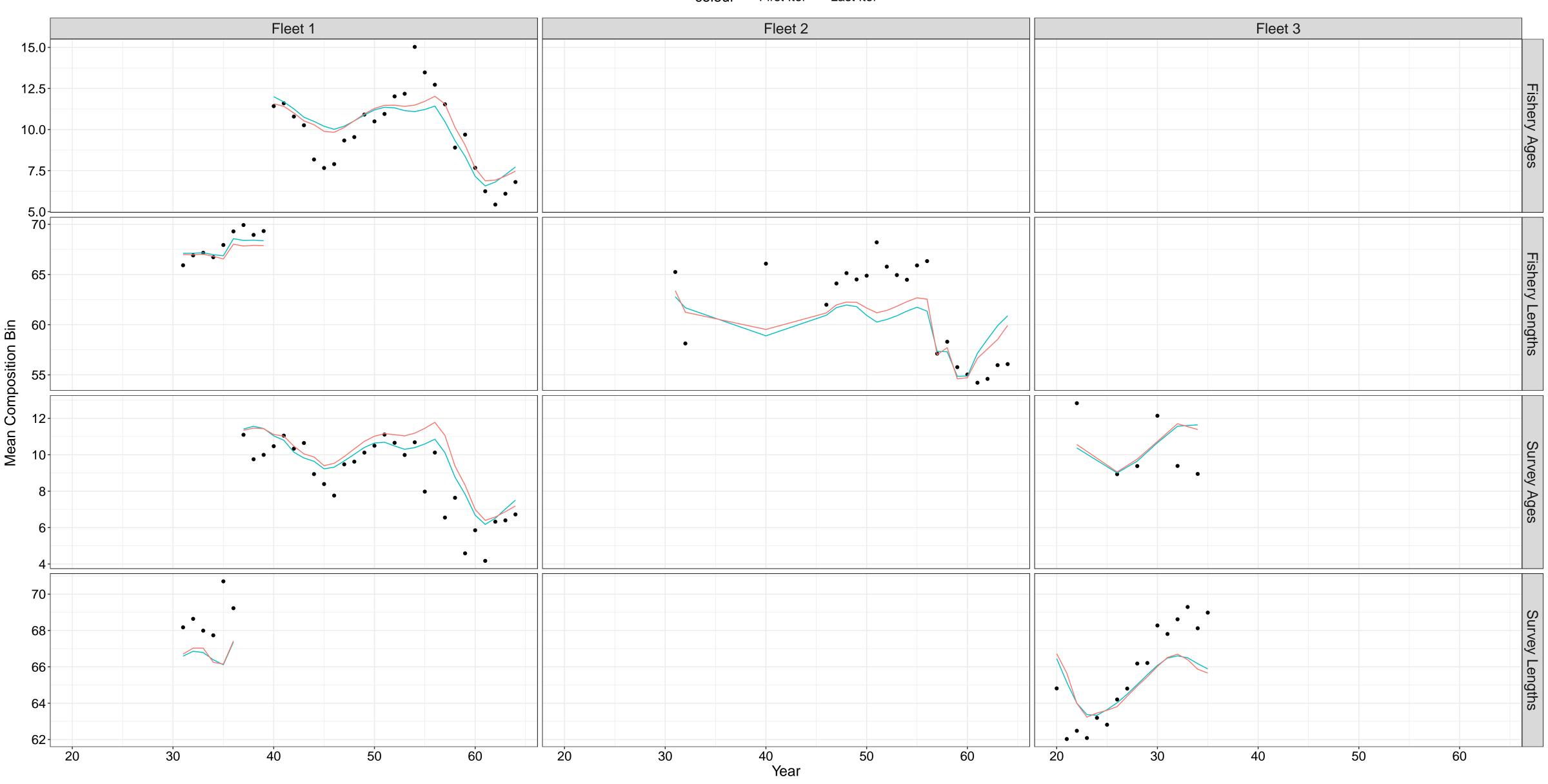
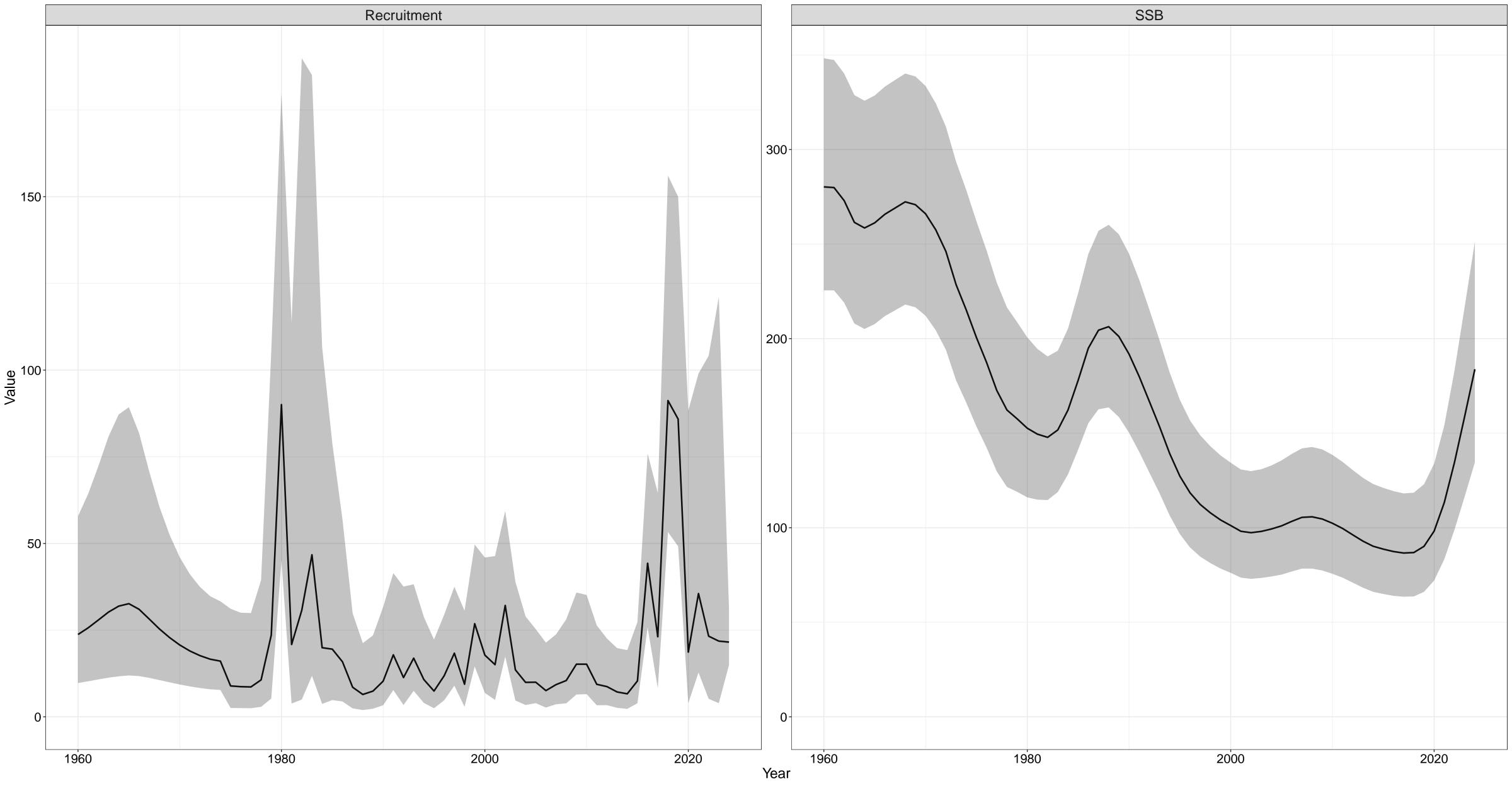
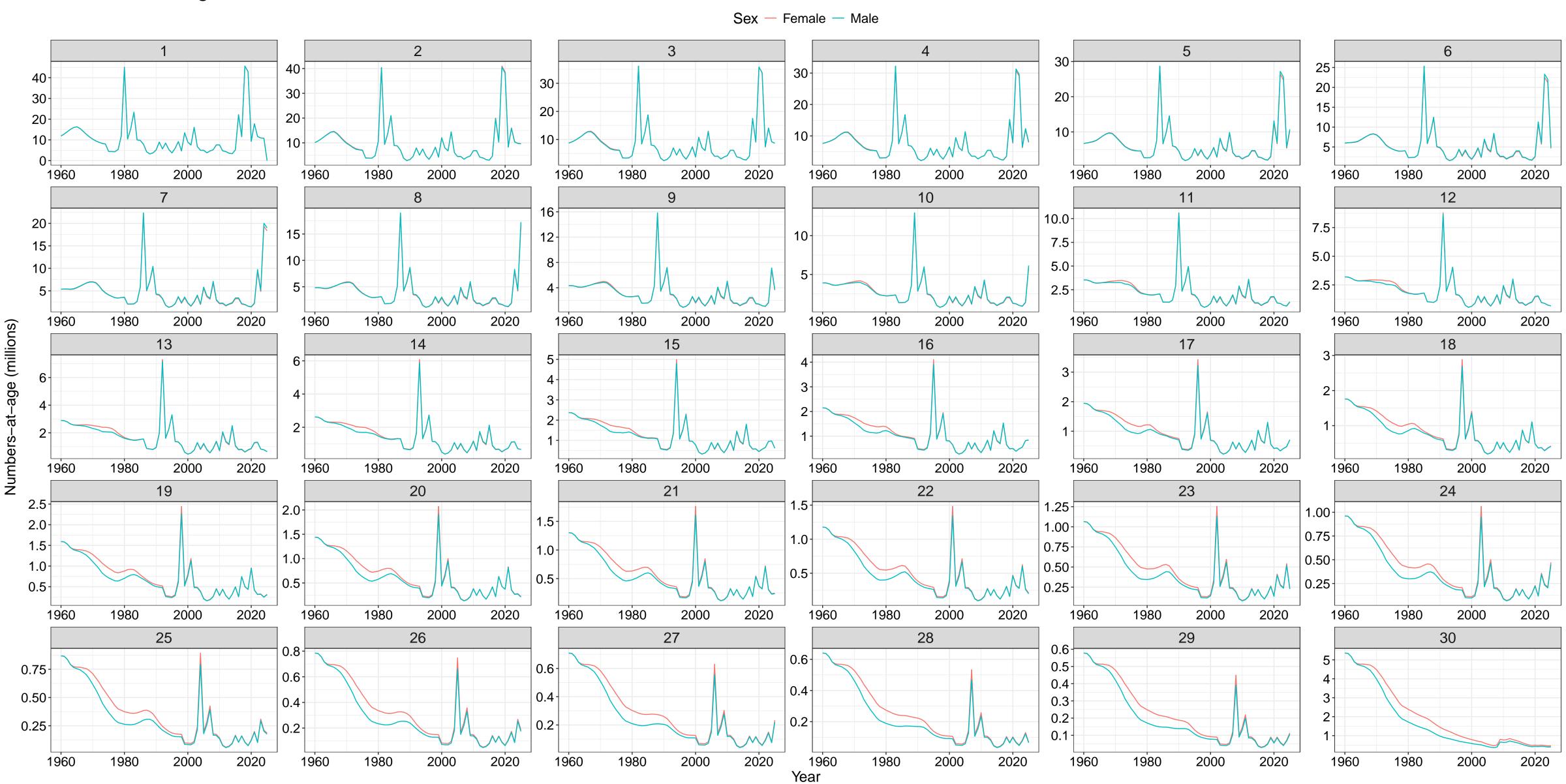
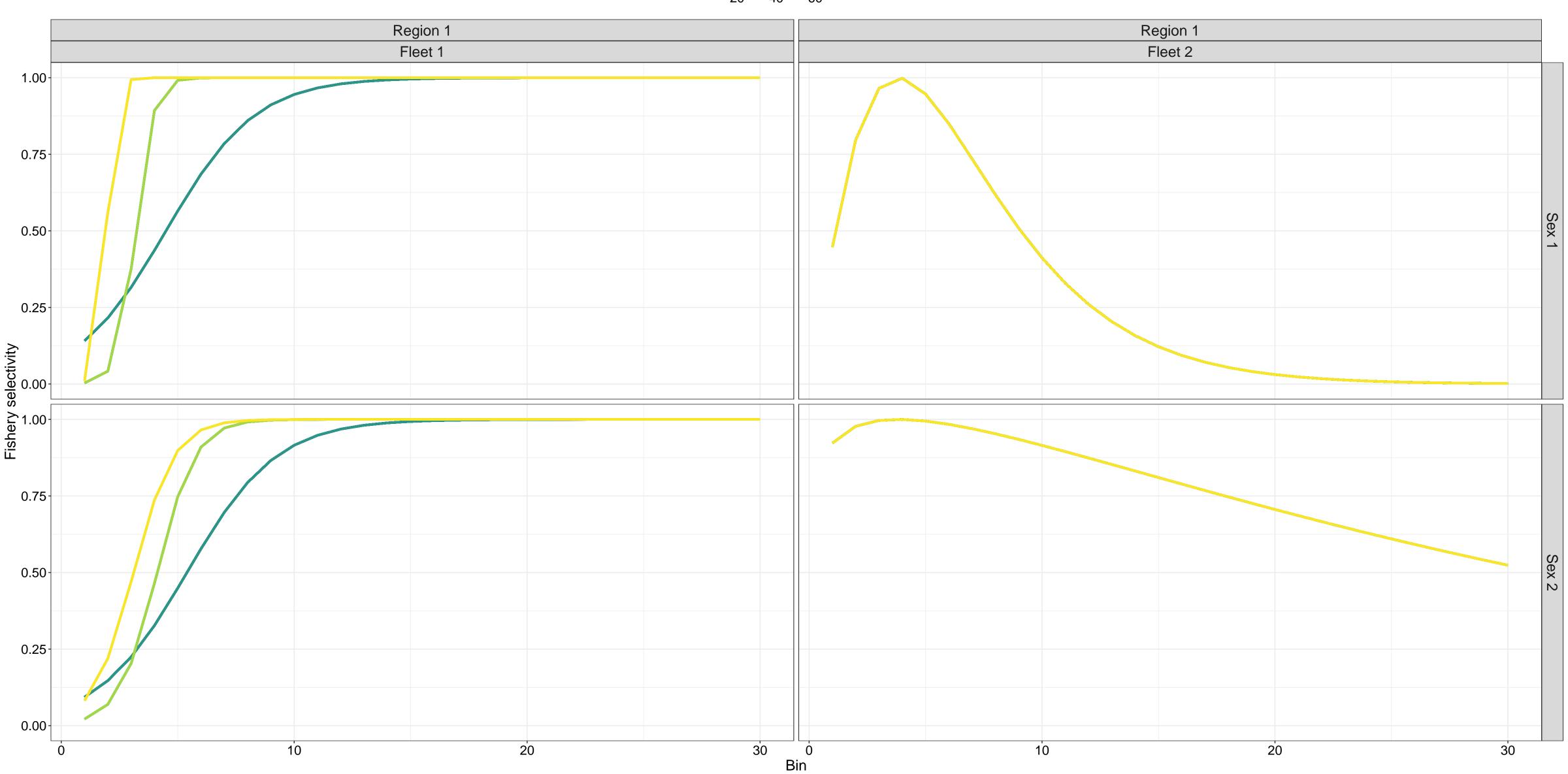
	Comp_Type	Init_Weight	Final_Weight		
1	LLF_Age_F	0.8261073	0.8947718		
2	LLF_Age_M	NA	NA		
3	LLS_Age_F	3.7922454	1.6495425		
4	LLS_Age_M	NA	NA		
5	JPN_LLS_Age_F	1.3168111	0.5271314		
6	JPN_LLS_Age_M	NA	NA		
7	LLF_Len_F	4.1837057	5.5083223		
8	LLF_Len_M	4.2696935	NA		
9	TF_Len_F	0.3164859	0.2539840		
10	TF_Len_M	0.2293966	NA		
11	LLS_Len_F	1.4379202	2.4643291		
12	LLS_Len_M	1.0705376	NA		
13	JPN_LLS_Len_F	1.2777281	1.2675720		
14	JPN_LLS_Len_M	0.8575195	NA		

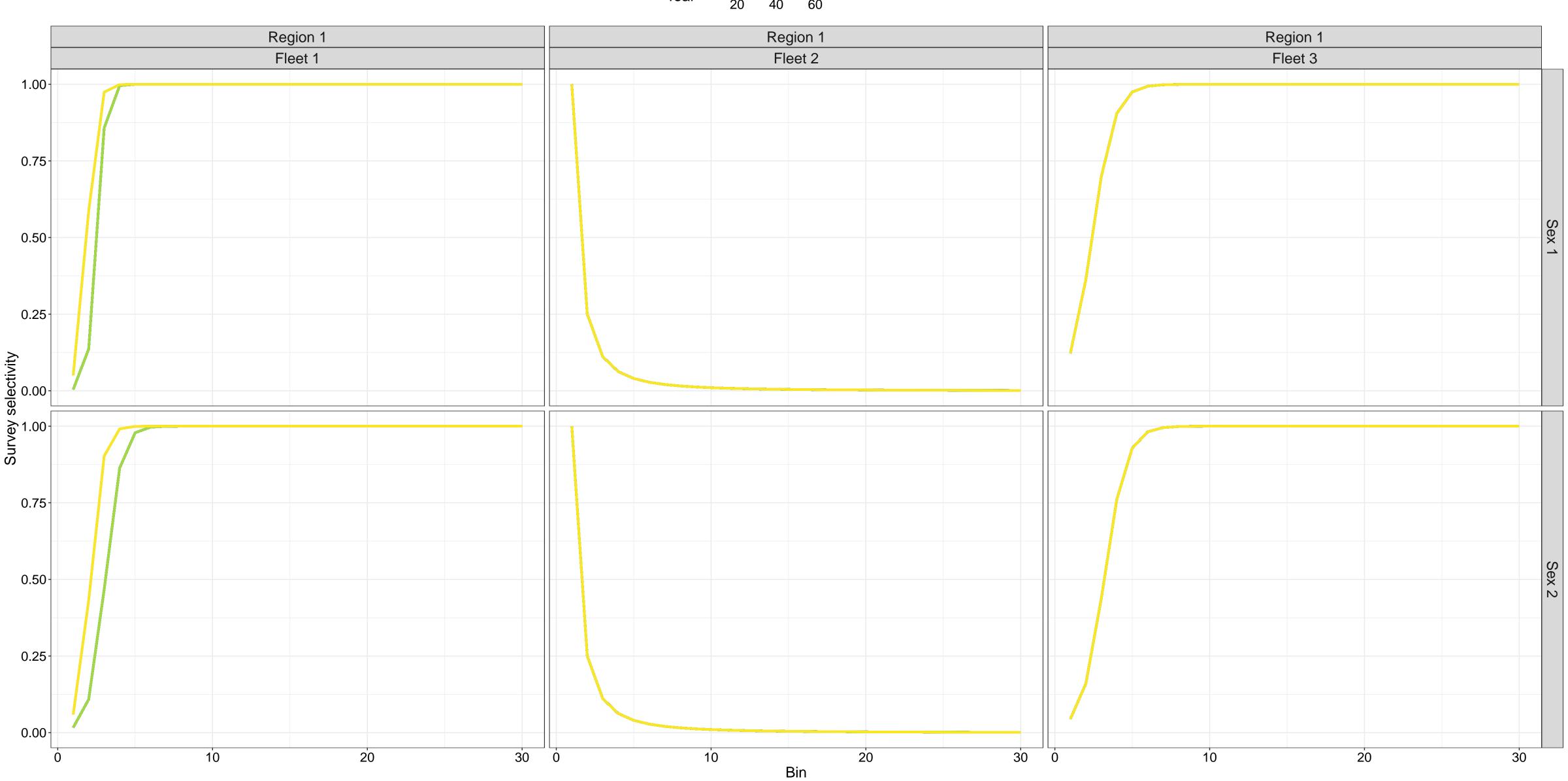


	Model	Region	Terminal_SSB	Terminal_F	Catch_Advice	B_Ref_Pt	F_Ref_Pt	B_over_B_Ref	F_over_F_Ref
1	1	1	183.81965	0.0503003488322606	38.69233	128.01737	0.08415	1.4359	0.59776

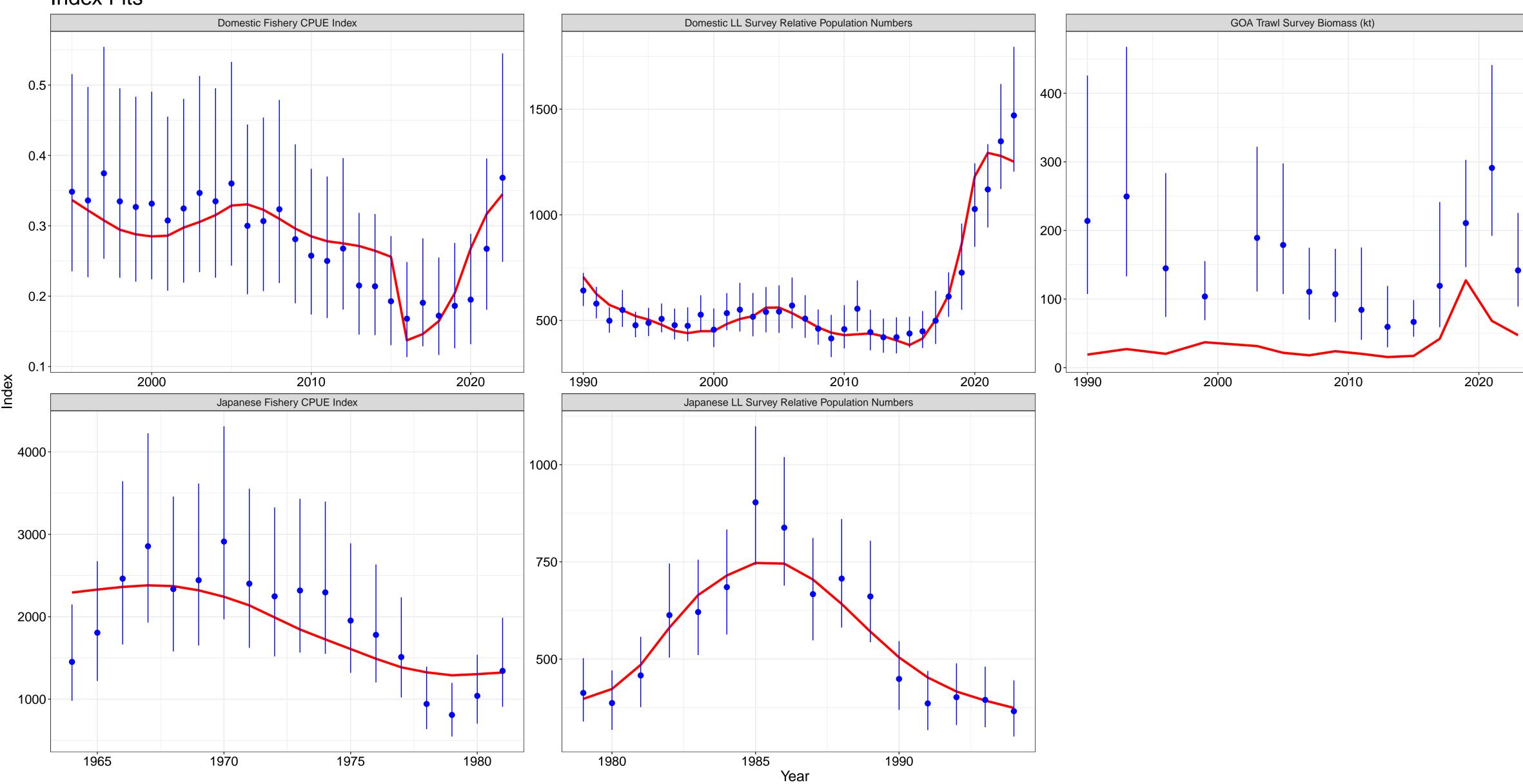




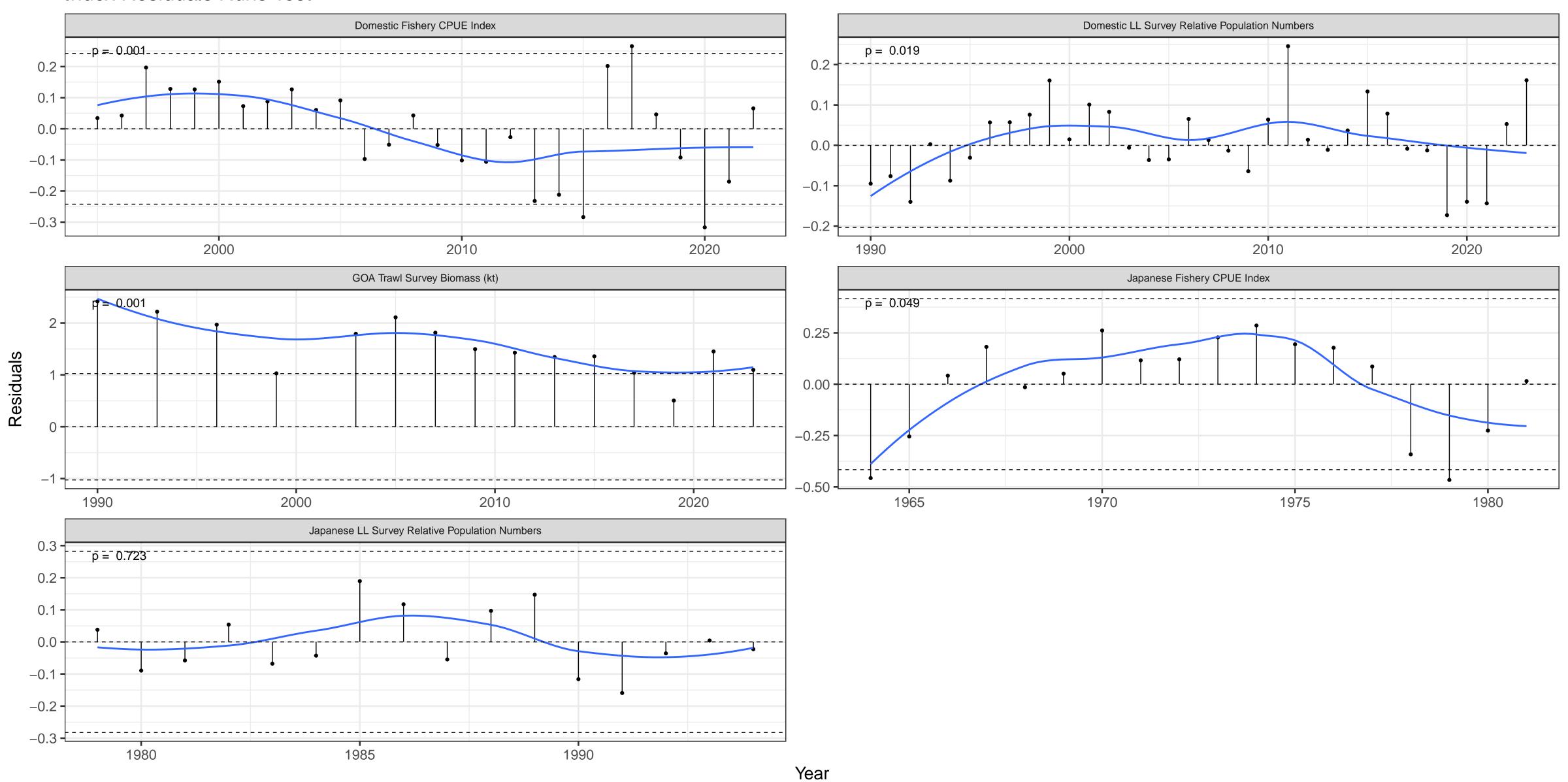


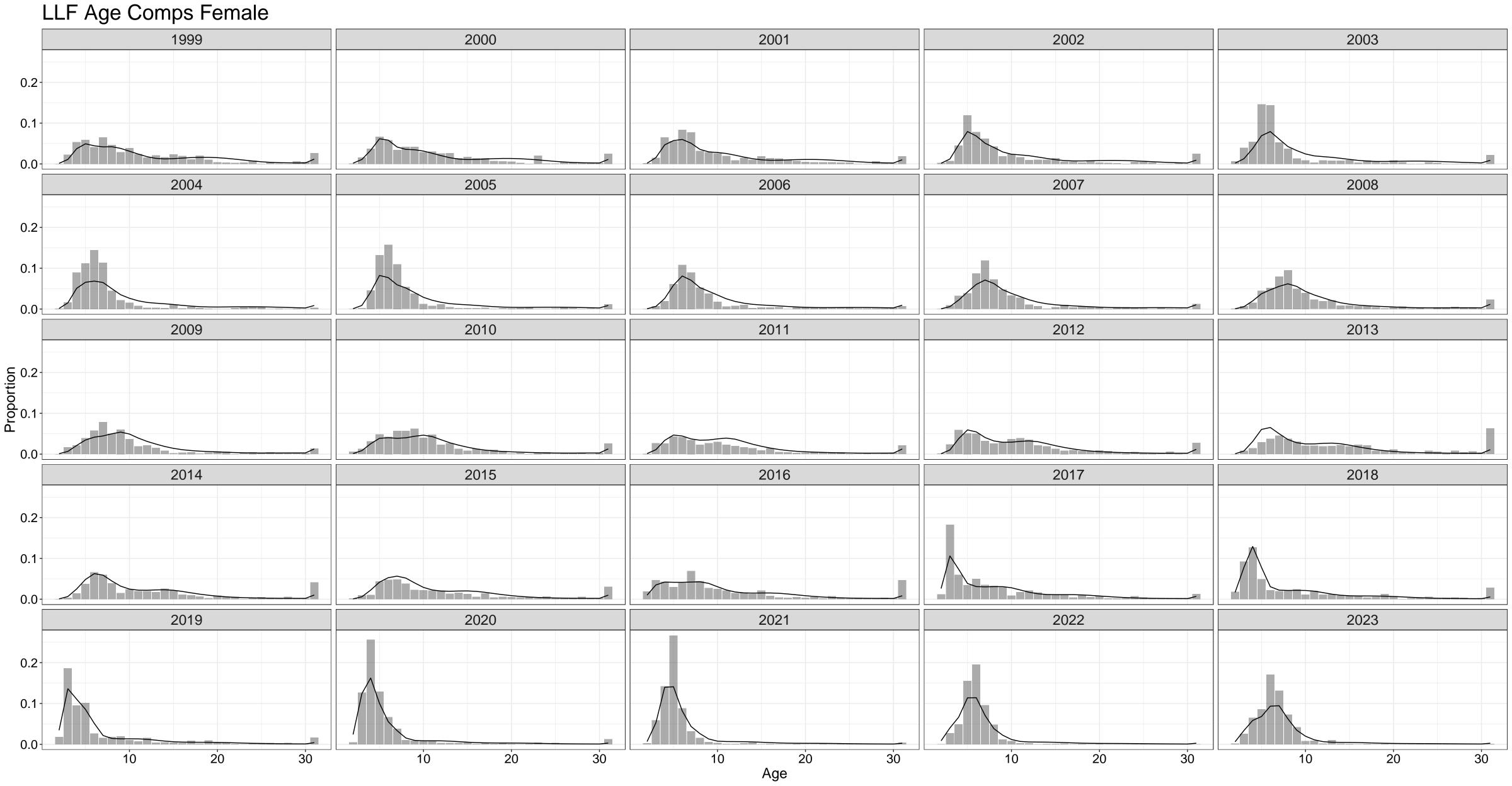


Index Fits



Index Residuals Runs Test

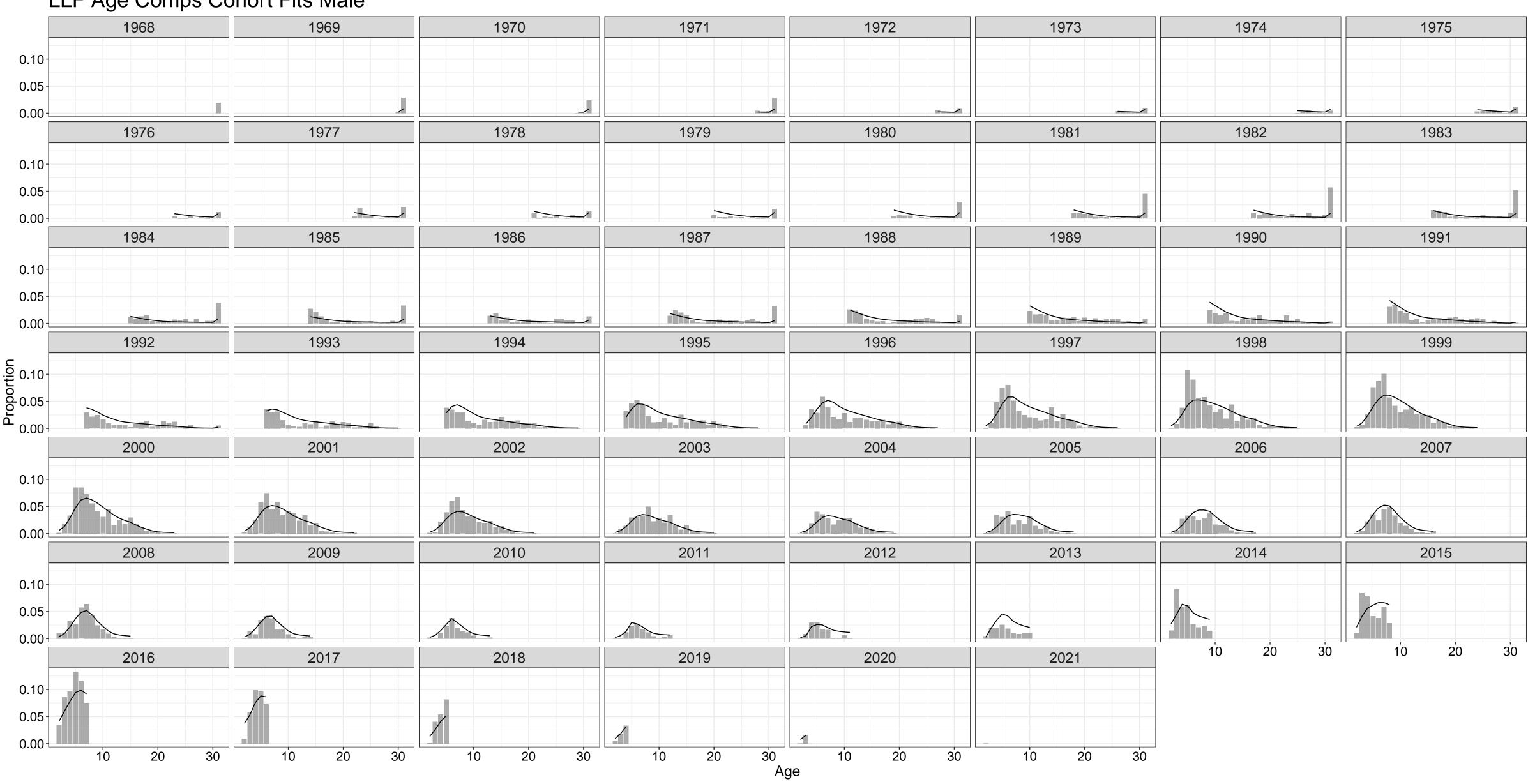




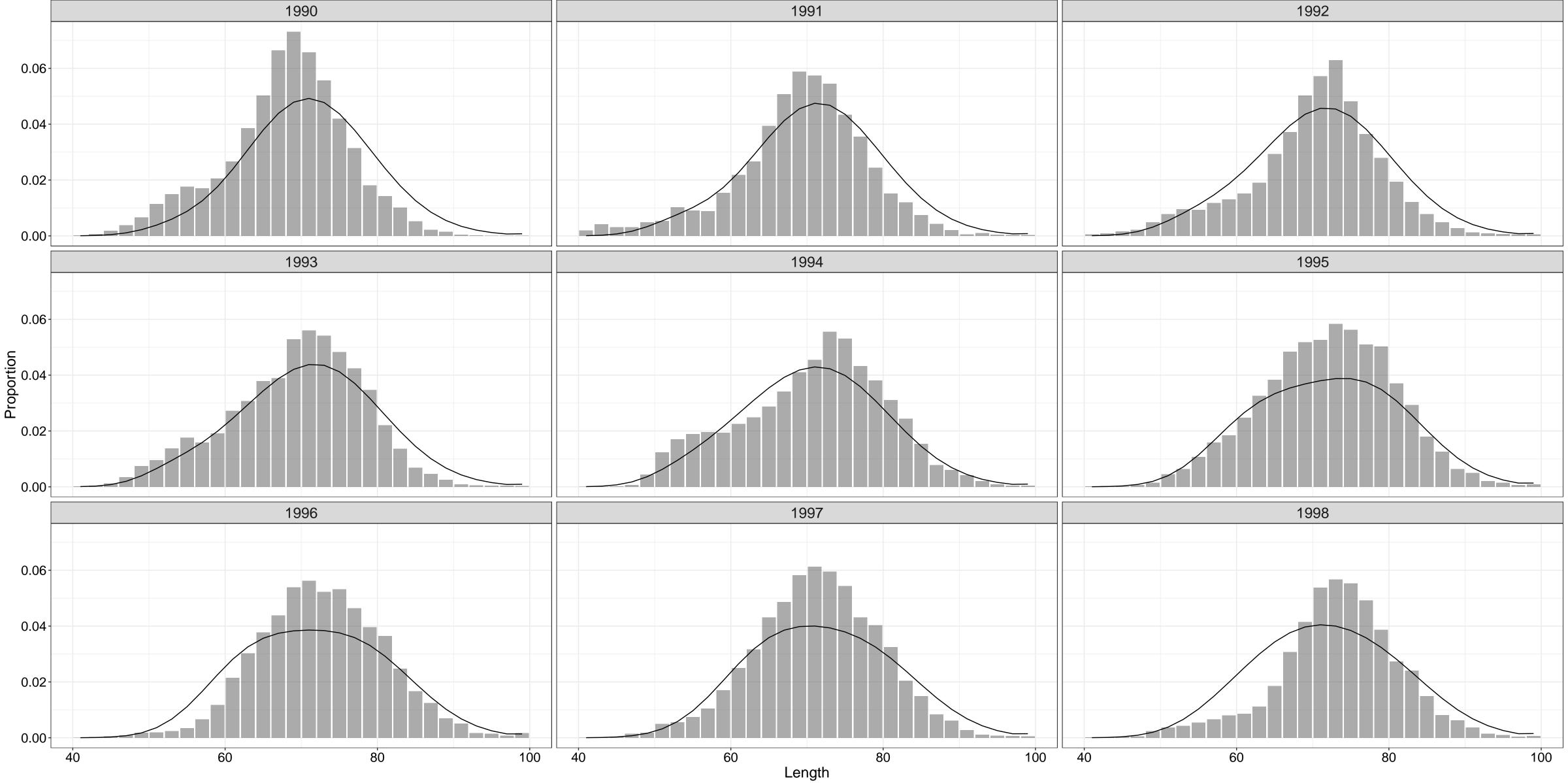
LLF Age Comps Cohort Fits Female 0.2 0.1 0.0 0.2 0.1 0.0 0.2 0.1 0.0 Proportion 0.2 0.2 0.1 0.0 0.2 0.1 0.0 0.2 0.1 Age

LLF Age Comps Male 0.10-0.05 0.10 0.05 0.00 Proportion 0.10-0.00 0.10-0.05-0.10 0.05 Age

LLF Age Comps Cohort Fits Male



LLF Length Comps Female 1990 1991 1992 0.06 0.04



LLF Length Comps Male 1990 1991 1992 0.075 0.050 0.025 0.000 1993 1994 1995 0.075 Proportion 0.020-0.025 0.000 1996 1997 1998 0.075 0.050 0.025

60

80

Length

100

100

80

60

0.000

40

60

80

100

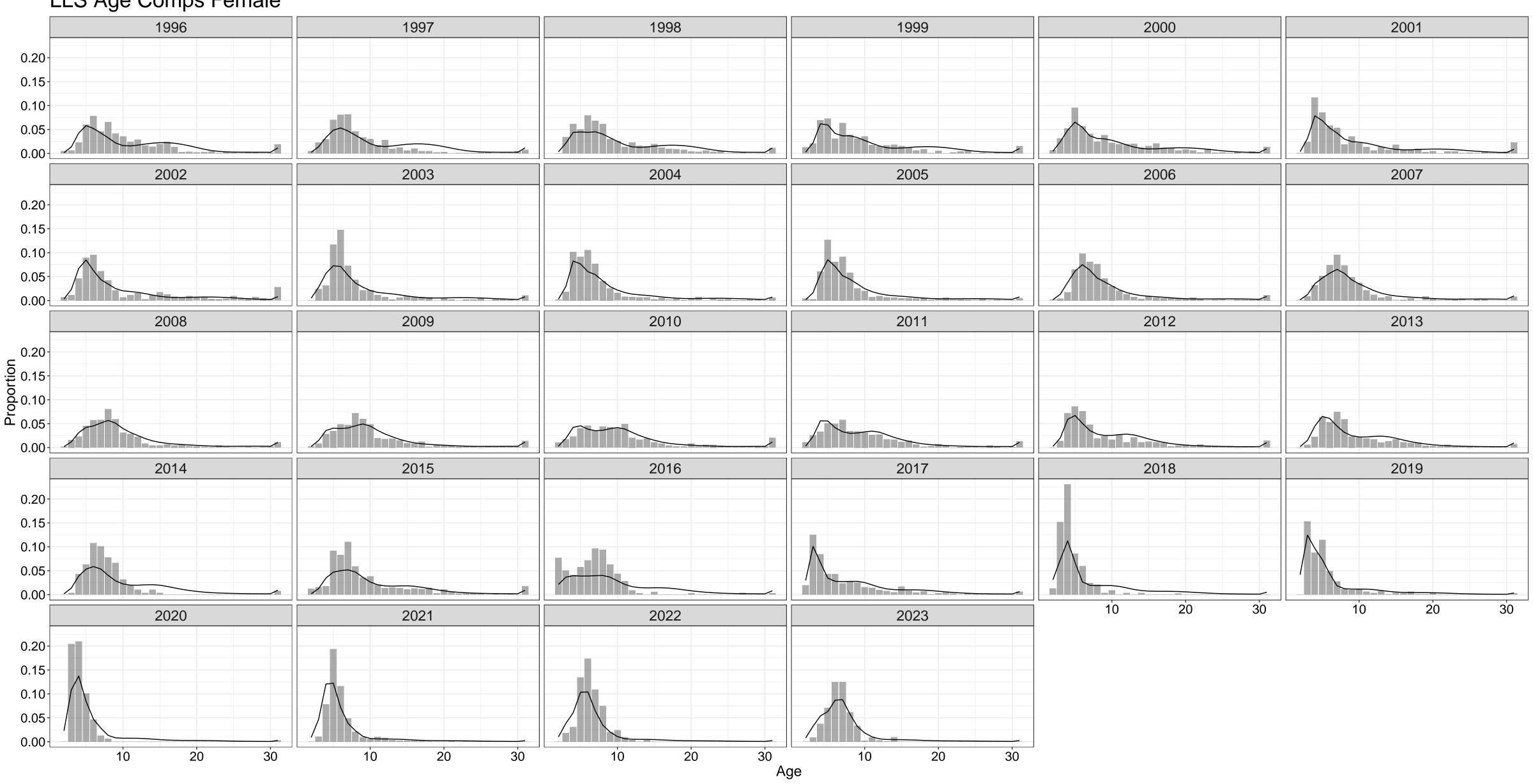
TF Length Comps Female 0.09 0.06 0.03 0.00 0.09-0.06-0.03 0.00 Proportion 0.09-0.00 0.09-0.06 0.03-0.00 100 40 100 40 0.09 0.06-0.03 0.00 100 40 Length

TF Length Comps Male 0.15 0.10-0.05 0.00 0.15-0.10 0.05 0.00 Proportion 0.10-0.05-0.00 0.15 0.10 0.05 0.00 100 40 100 40 0.15 0.10-0.05 0.00

Length

100 40

LLS Age Comps Female



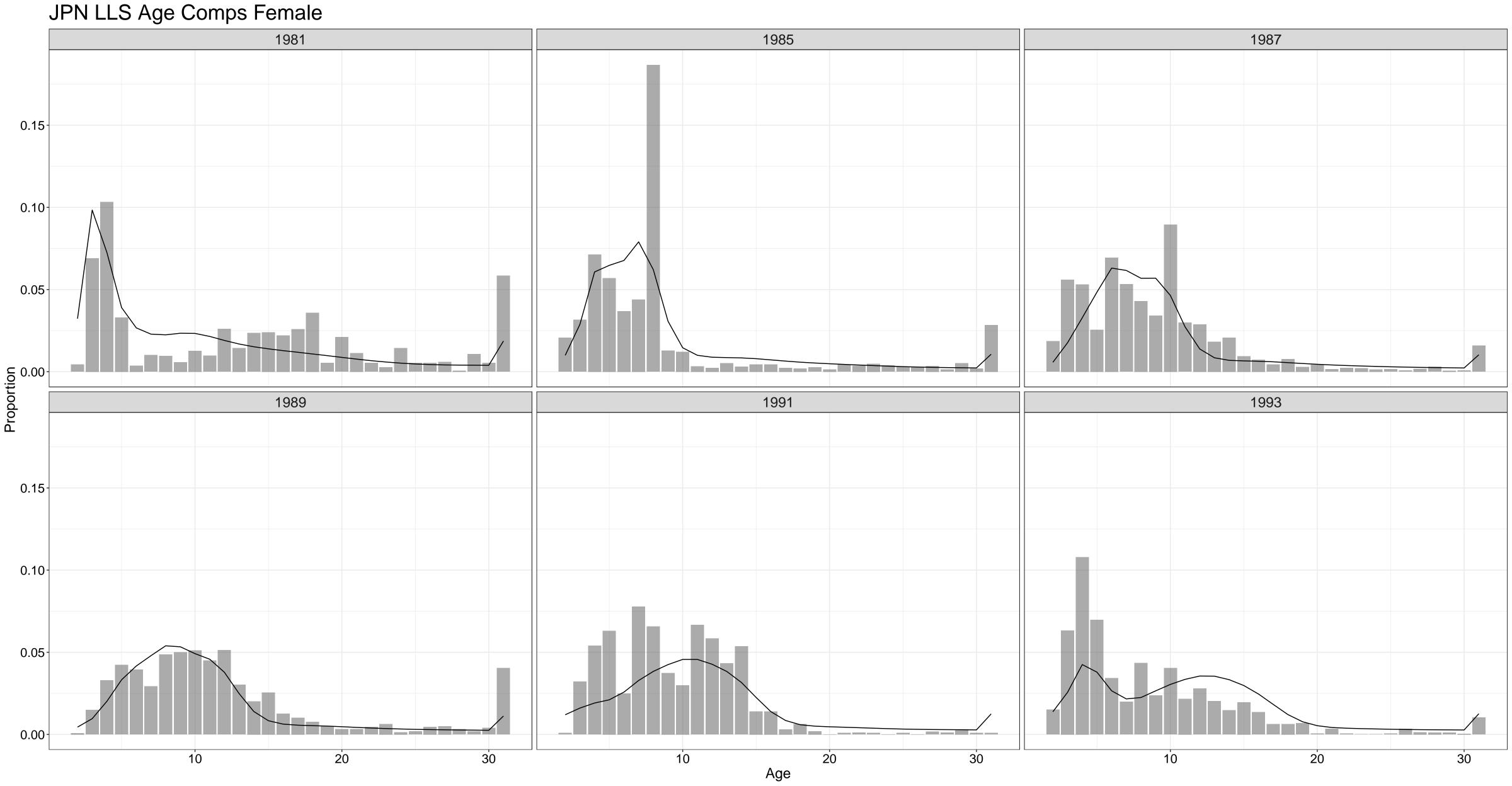
LLS Age Comps Cohort Fit Female 0.20 0.15 0.10 0.05 0.00 0.20-0.15-0.10-0.05-0.00-0.20-0.15-0.10-0.05-0.00-0.20 0.15 0.10 0.05 0.00 0.15 0.10 0.05 0.00 0.20-0.15-0.10-0.05-0.00-0.20 0.15 0.10 0.05 0.00 0.20-0.15-0.10-0.05-0.00-

LLS Age Comps Male 0.15 0.10 0.05 0.00 0.15 0.10 0.05 0.00 0.15-Proportion 0.10-0.00 0.15 0.10 0.05 0.00 0.15 0.10 0.05 0.00

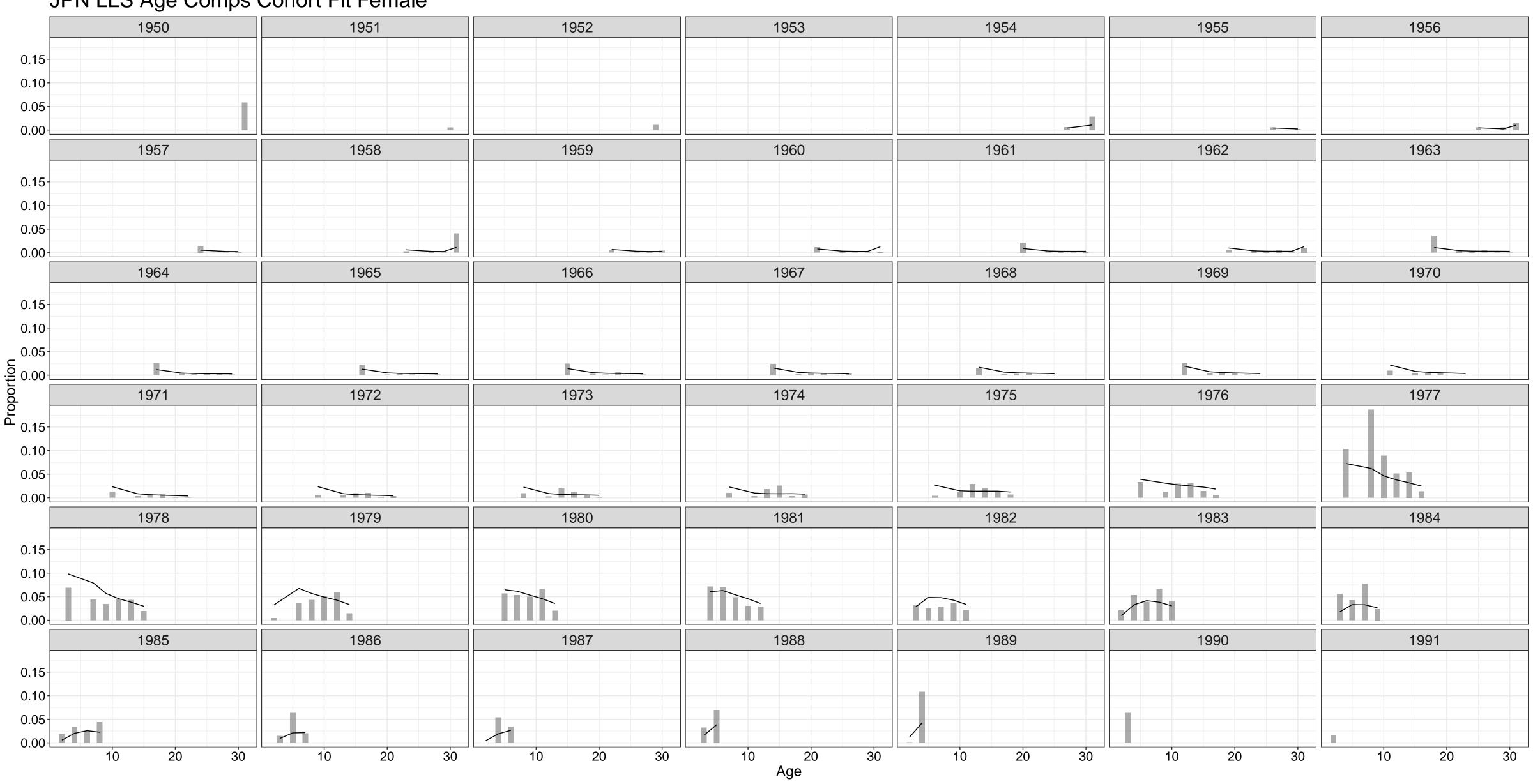
Age

LLS Age Comps Cohort Fit Male 0.15 0.10 0.05 0.00 0.15 0.10-0.05 0.00 0.15 0.10-0.05 ___ 0.00 0.15 0.10-Proportion 0.00-0.05 0.00 0.15 0.10-0.05 0.00 0.15 0.10 0.05 0.00 0.15 0.10 0.05

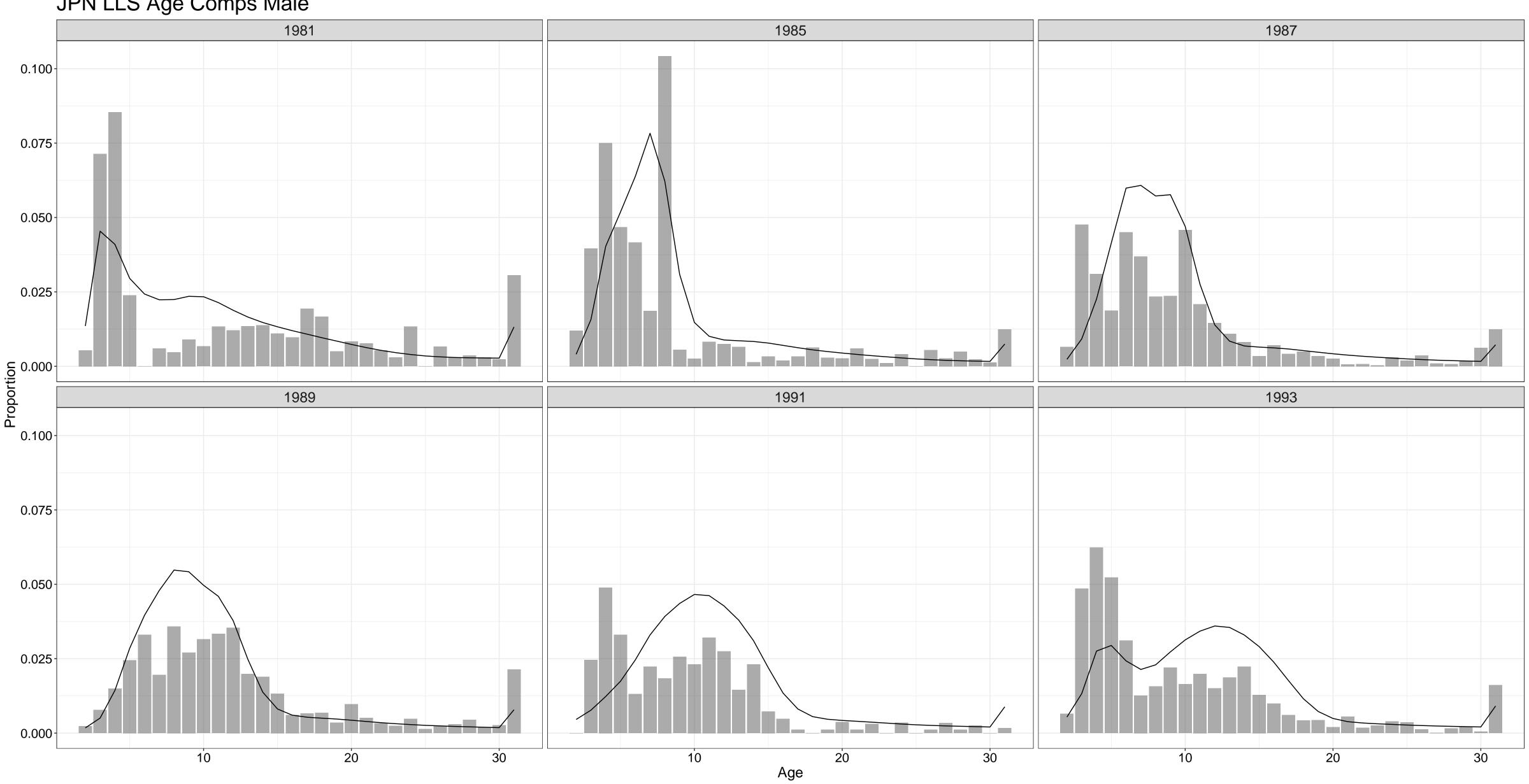
0.00



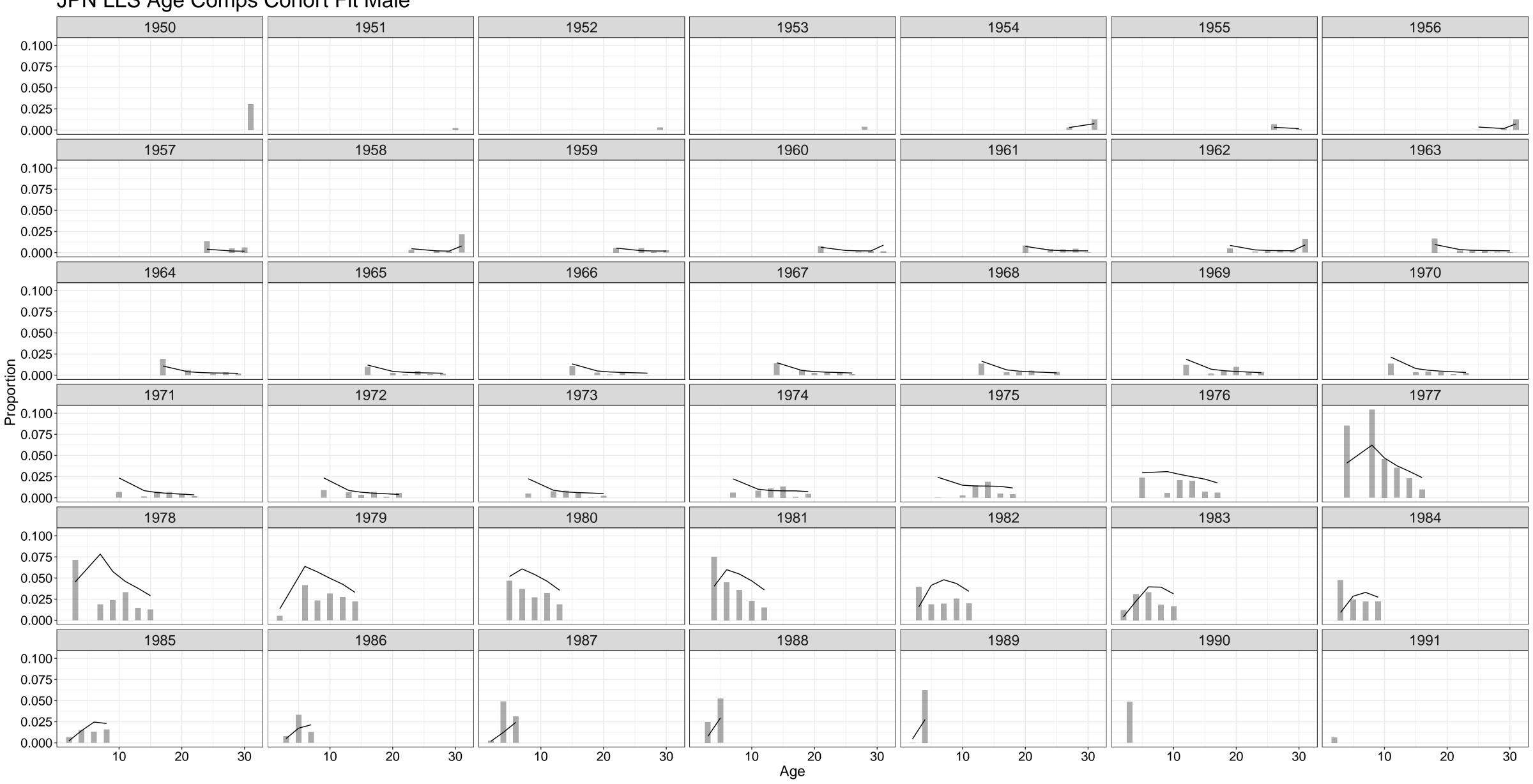
JPN LLS Age Comps Cohort Fit Female

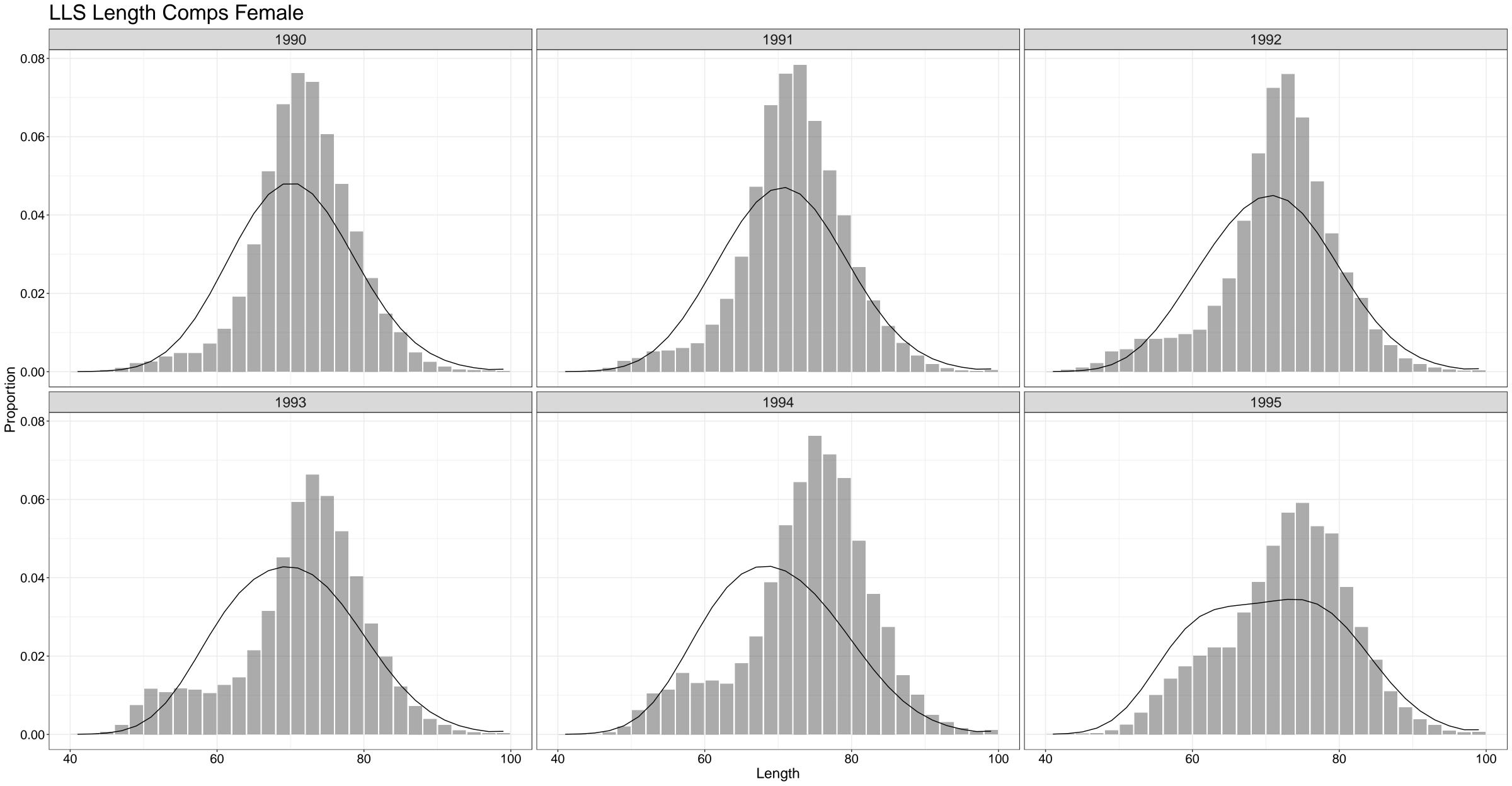


JPN LLS Age Comps Male



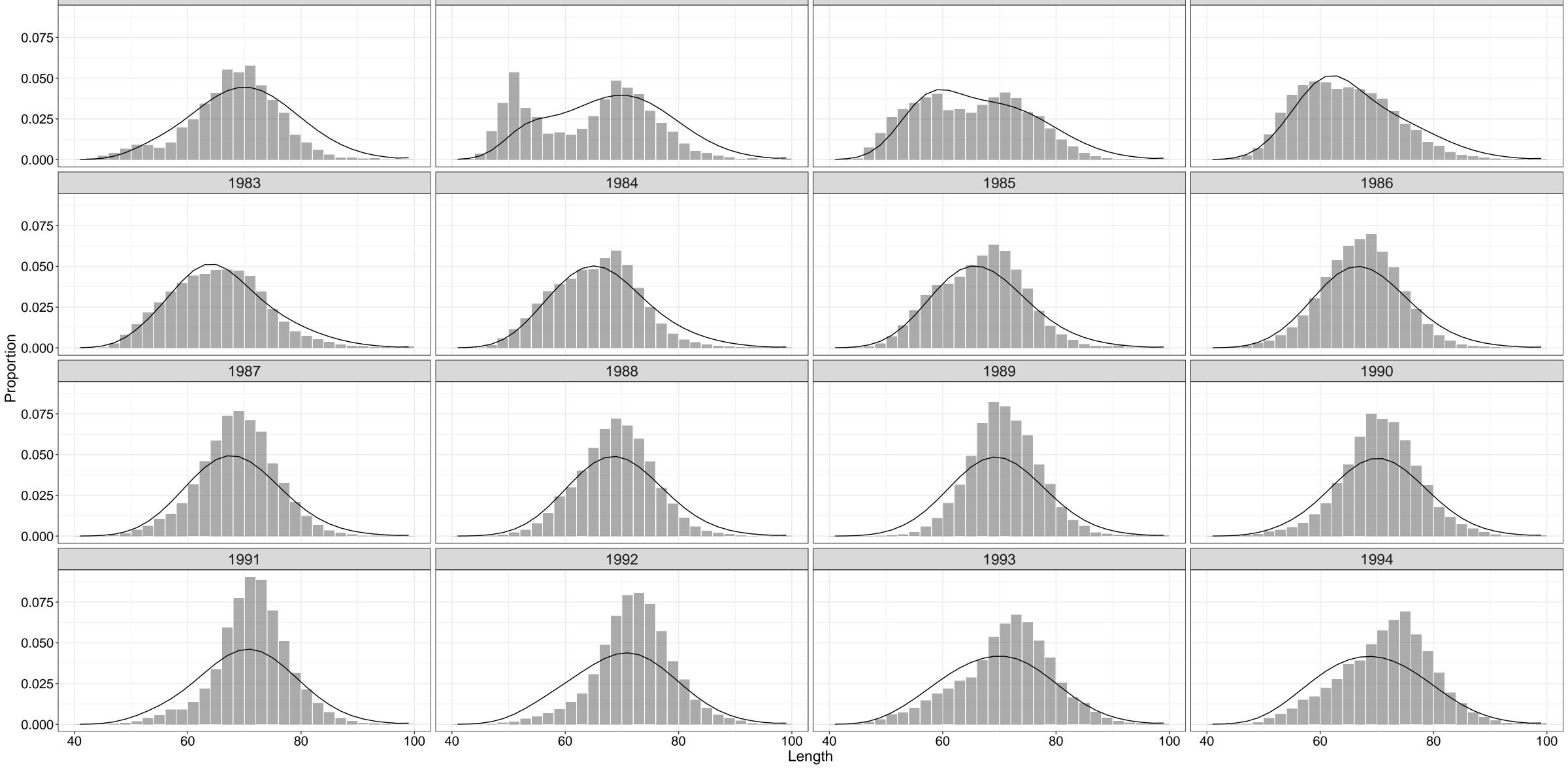
JPN LLS Age Comps Cohort Fit Male





LLS Length Comps Male 0.075 0.050 0.025 Proportion 00000 0.075 0.050 0.025 0.000 Length

JPN LLS Length Comps Female



JPN LLS Length Comps Male 1980 1981 1982 1979 0.08-0.06 0.04 0.02 0.00 1983 1984 1985 1986 0.08-0.06 0.04 0.02 Proportion 80.0 1987 1988 1989 1990 0.06 0.04 0.02 0.00 1991 1992 1993 1994 0.08-

