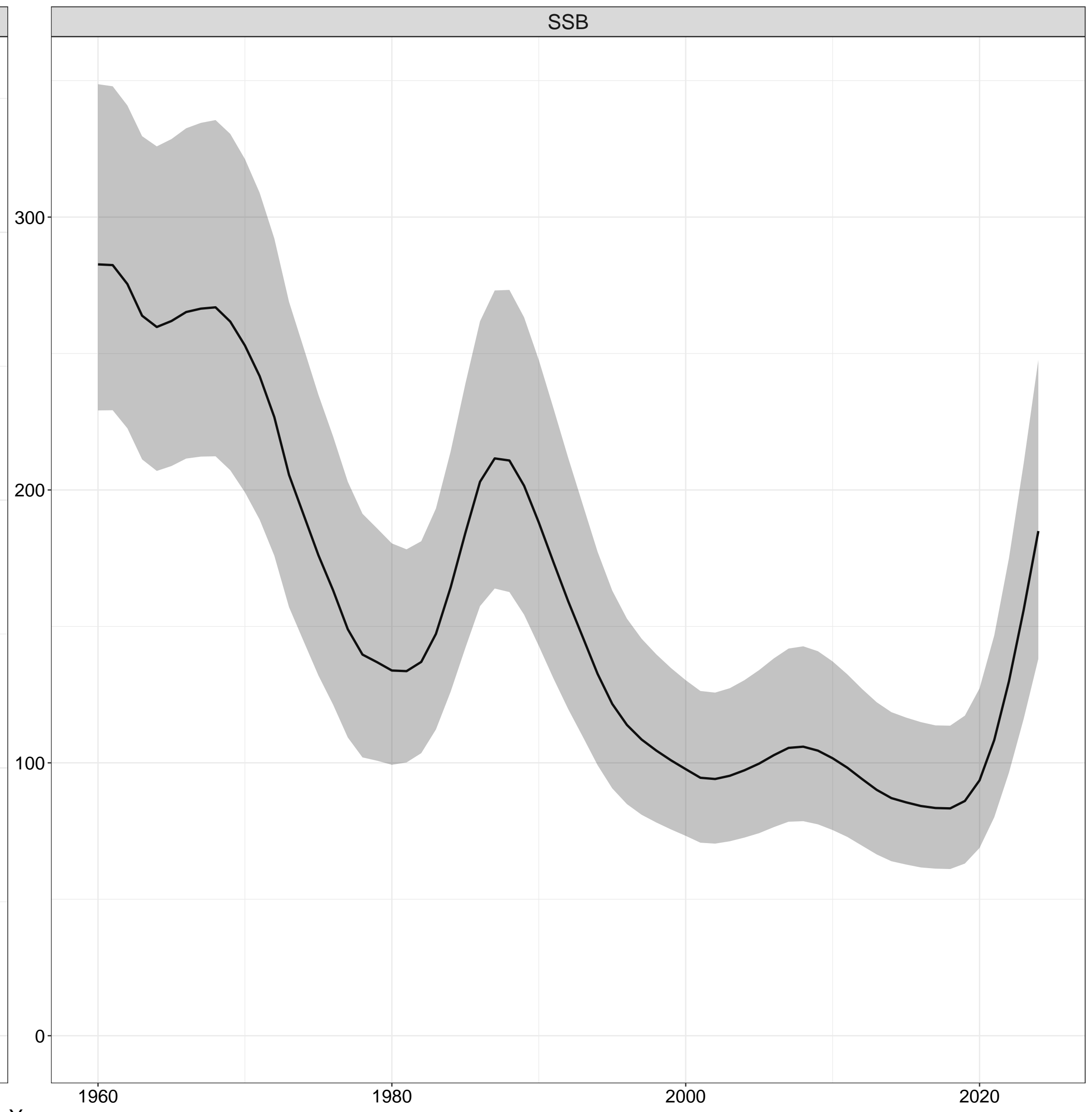
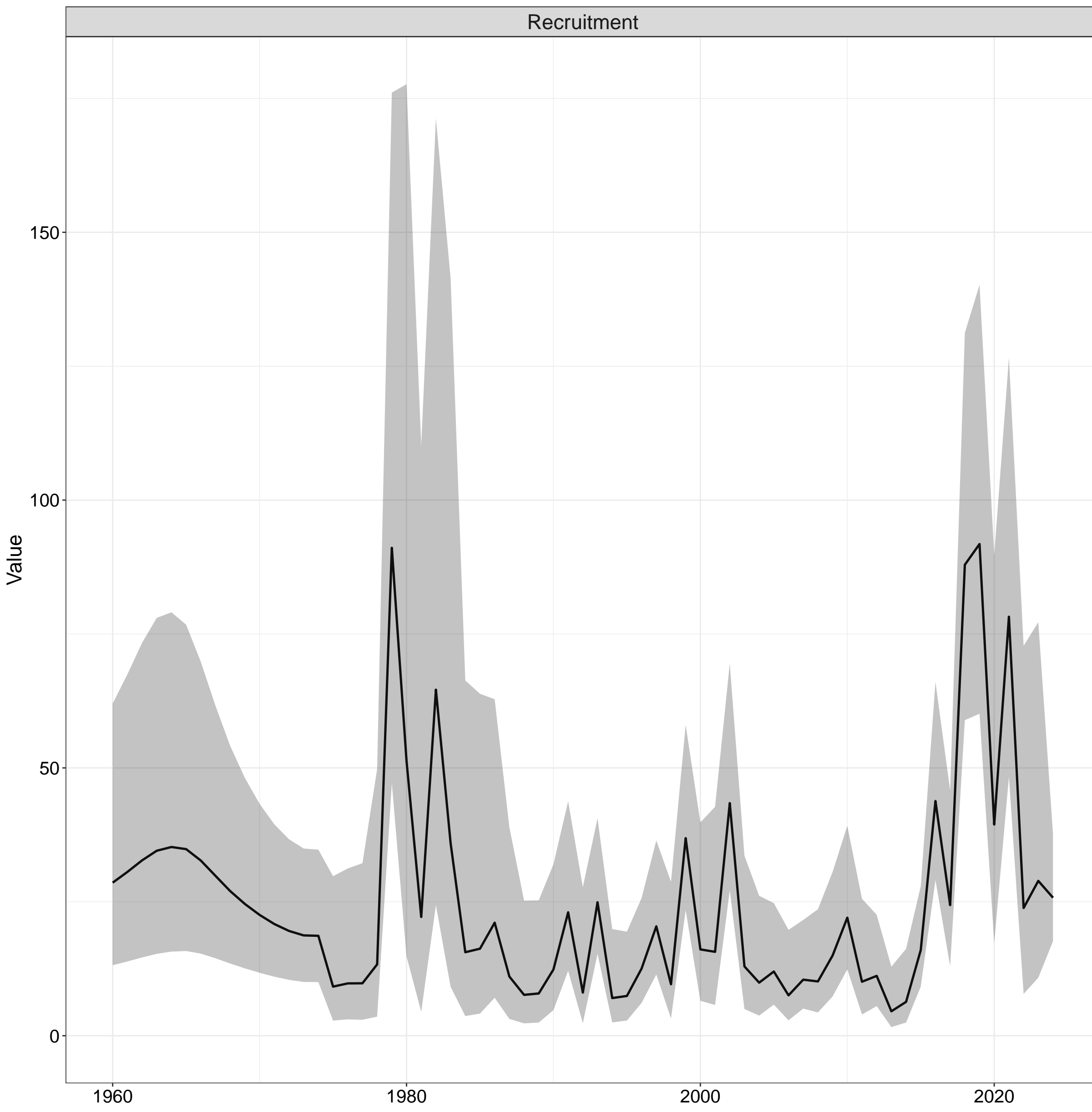


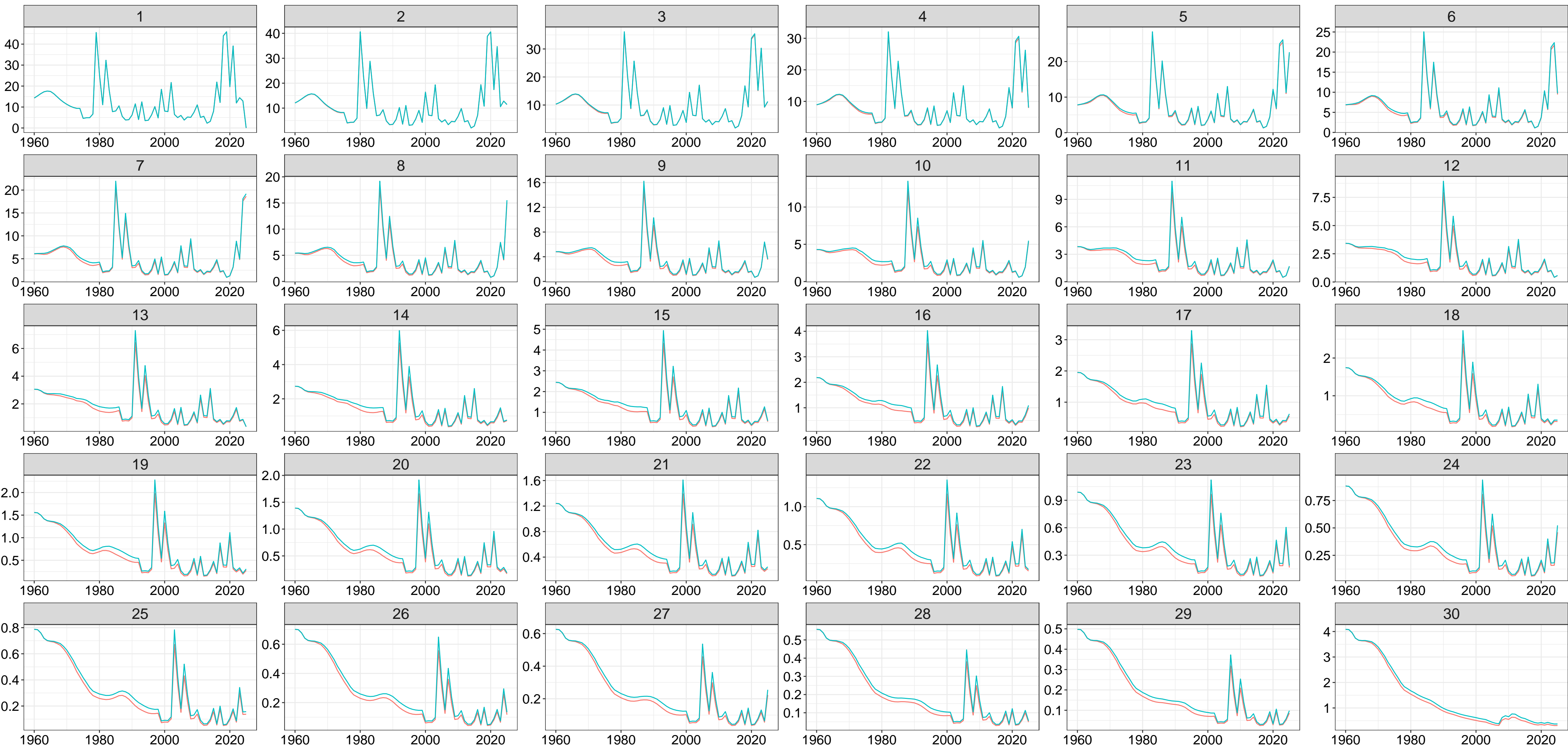
	Model	Region	Terminal_SSB	Terminal_F	Catch_Advice	B_Ref_Pt	F_Ref_Pt	B_over_B_Ref	F_over_F_Ref
1	1	1	184.93655	0.0423732976652009	46.46873	125.17061	0.08415	1.47748	0.50356



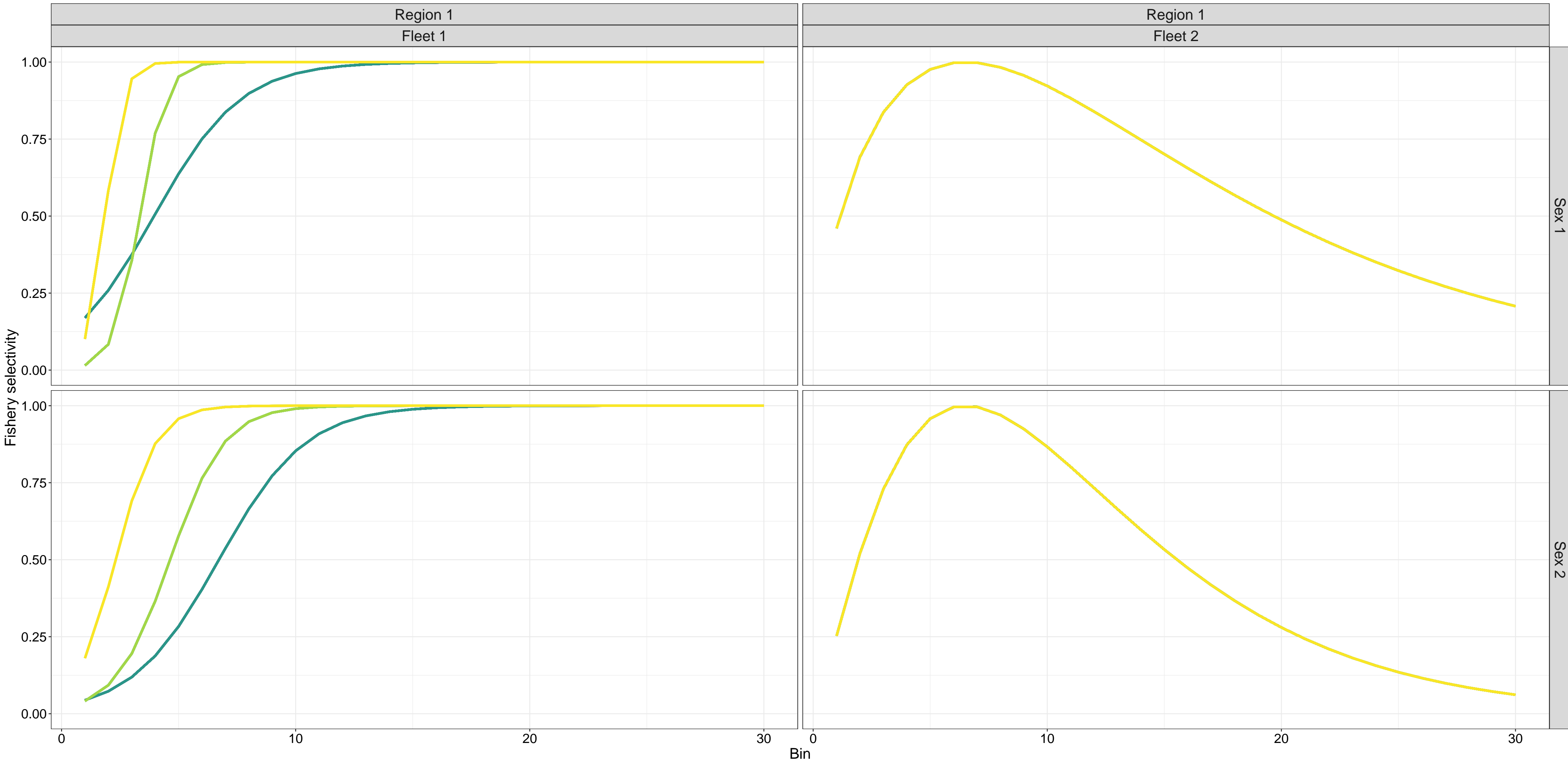
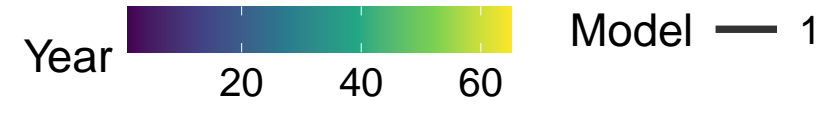
# Numbers-at-Age

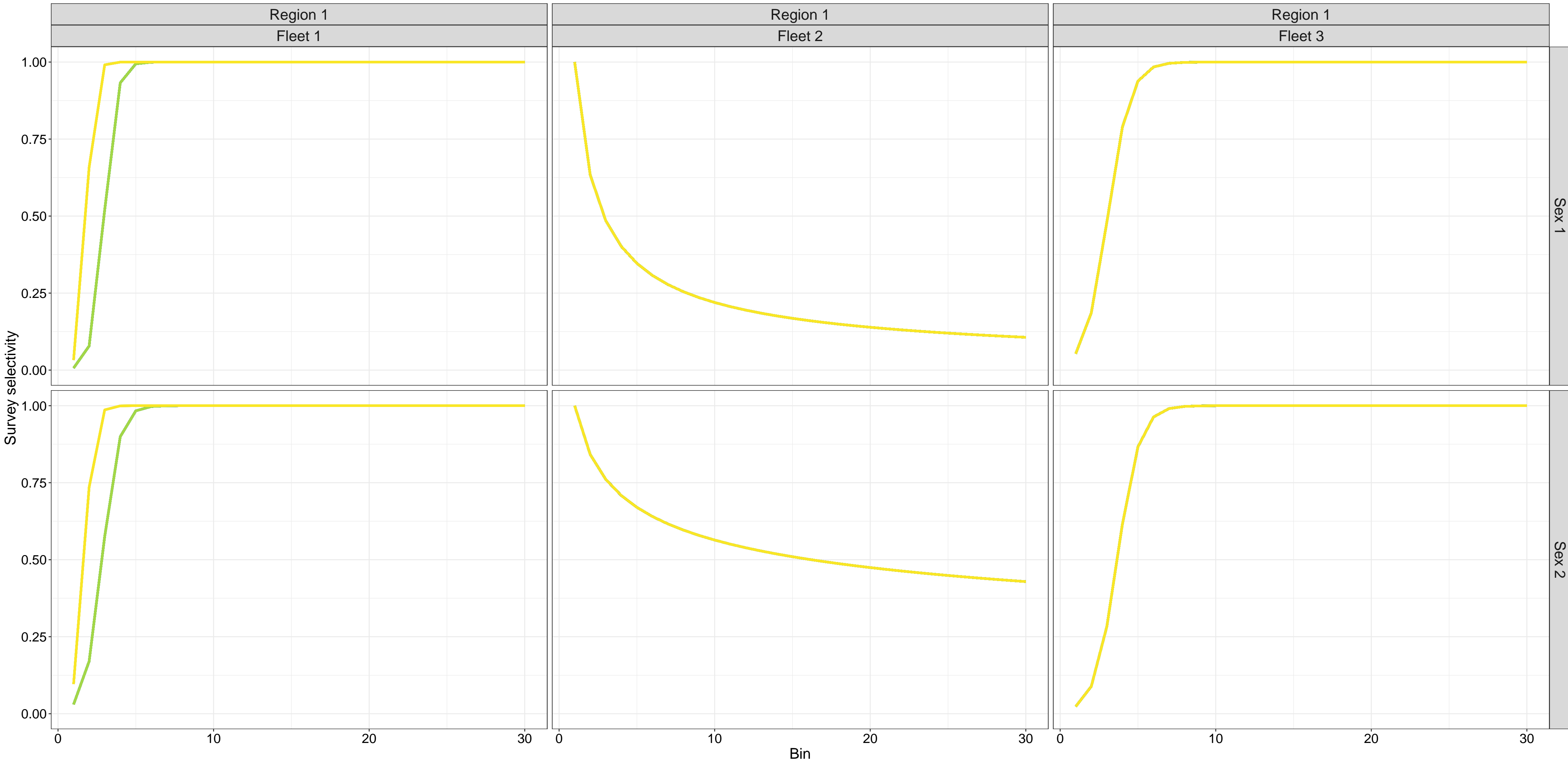
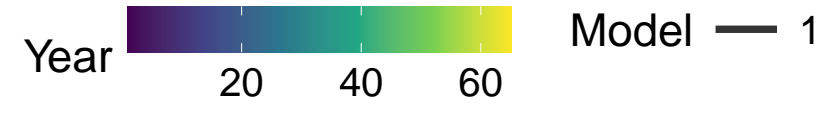
Sex — Female — Male

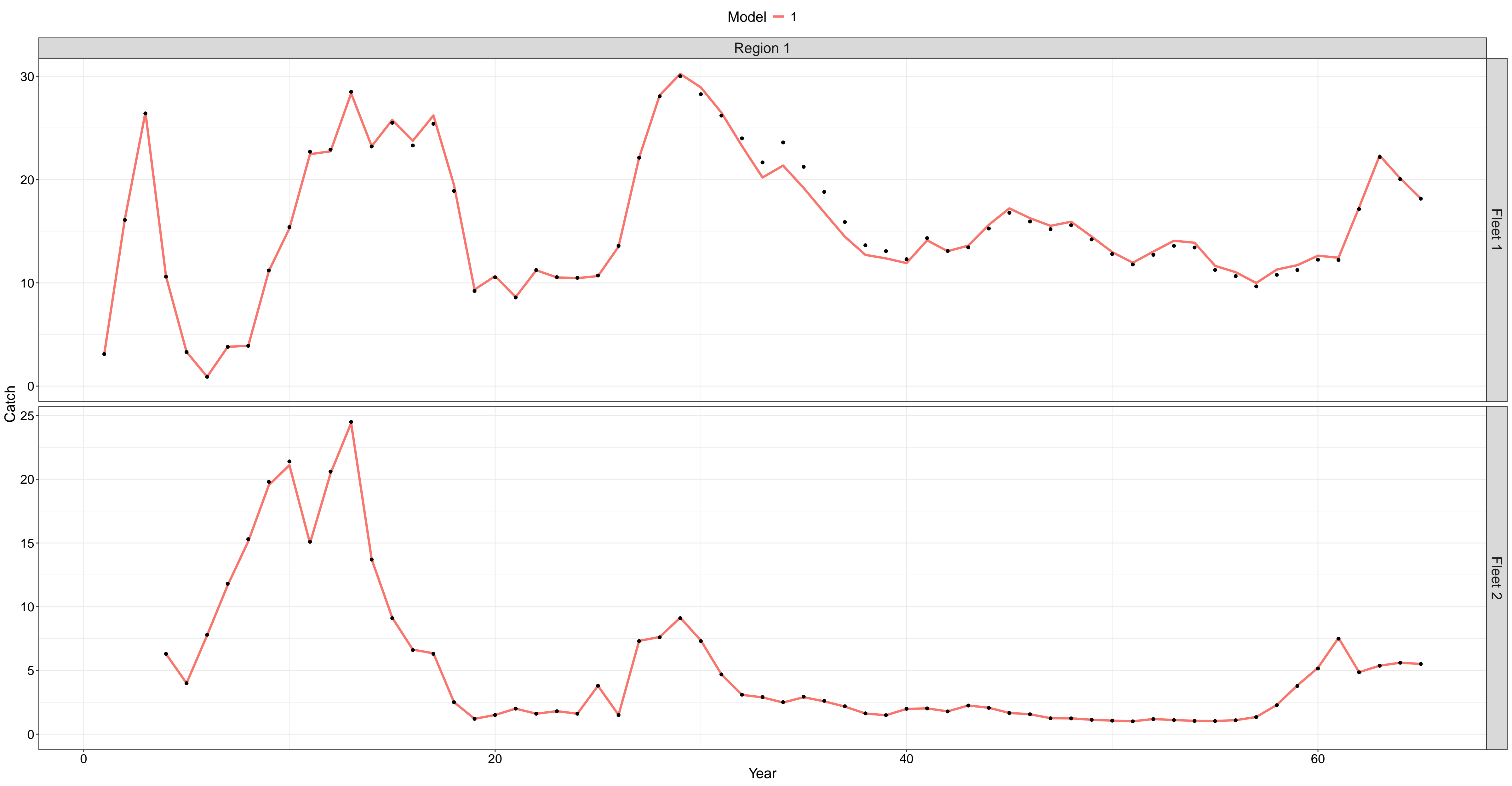
Numbers-at-age (millions)



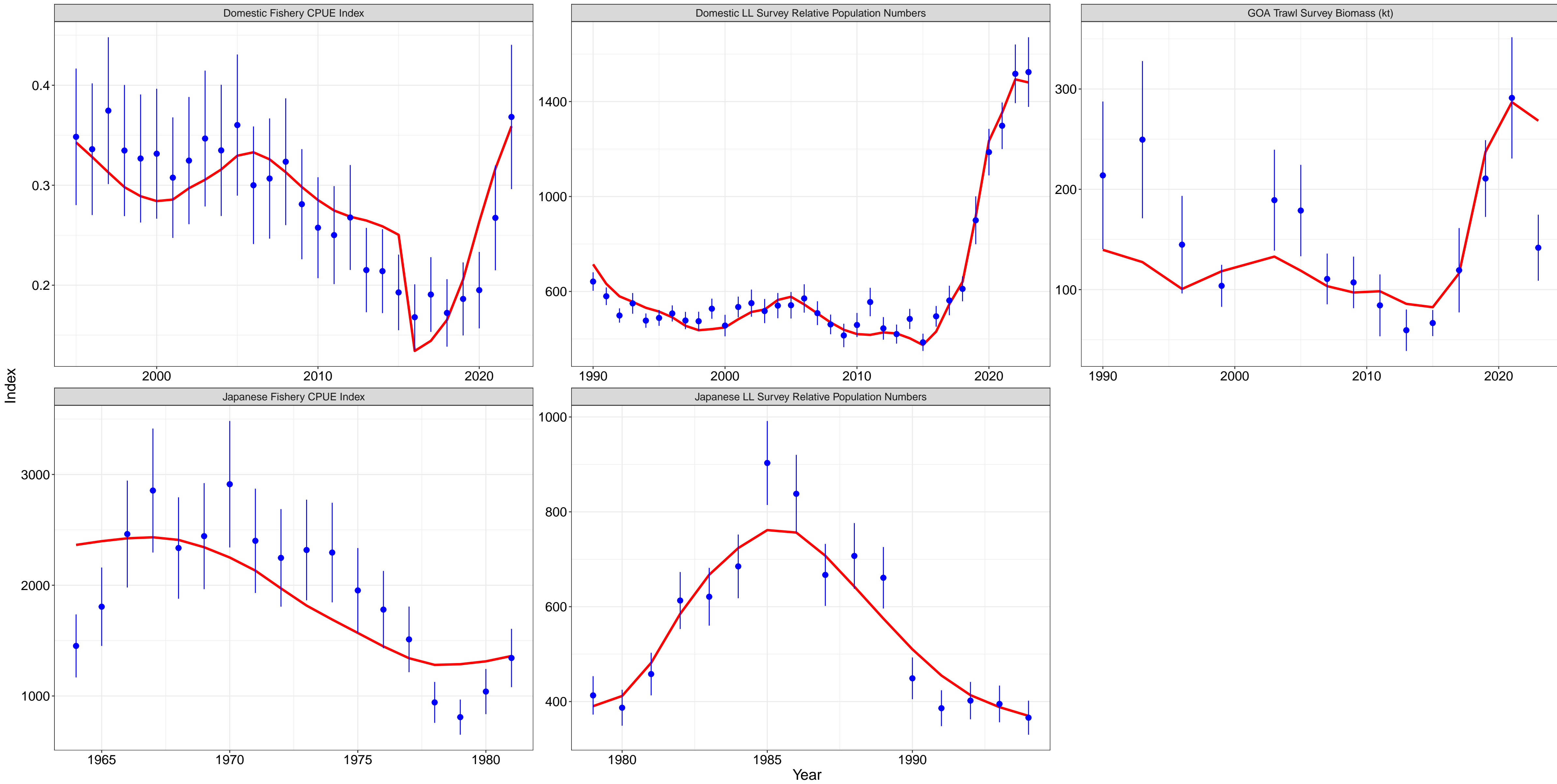
Year



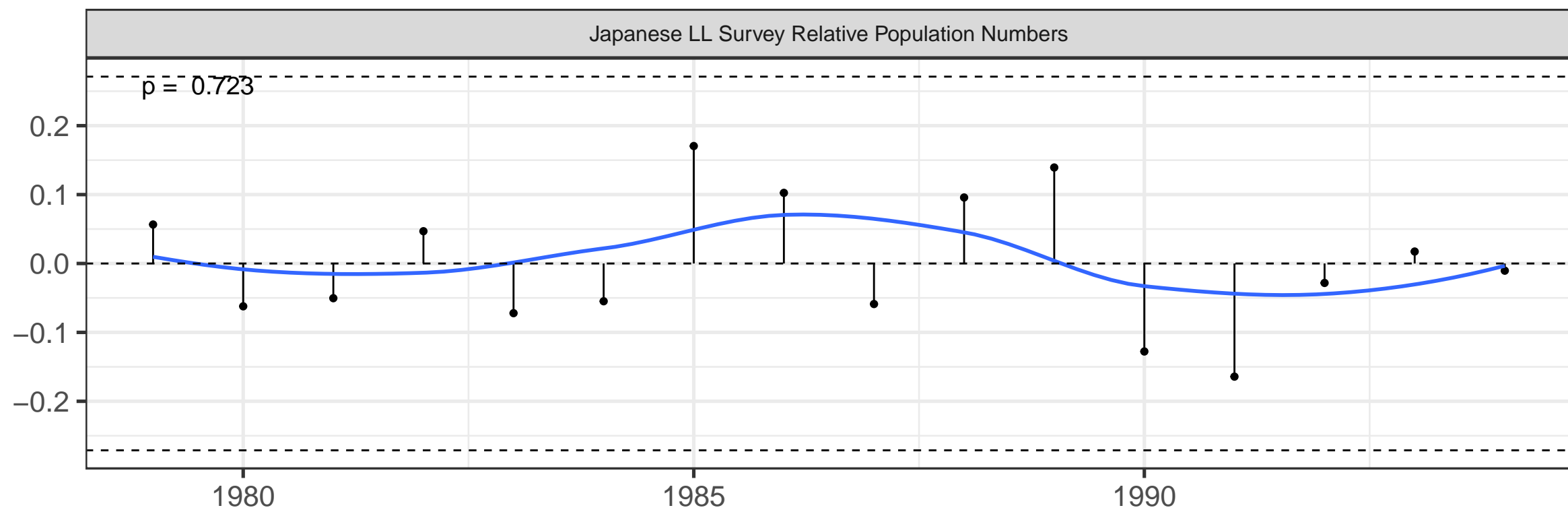
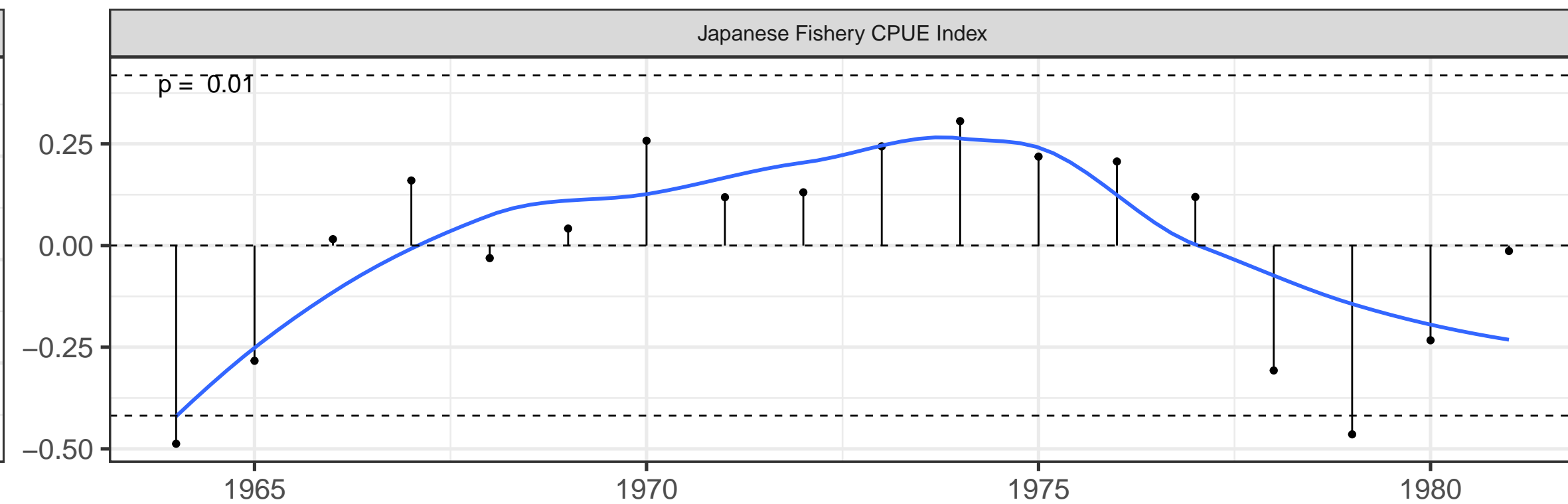
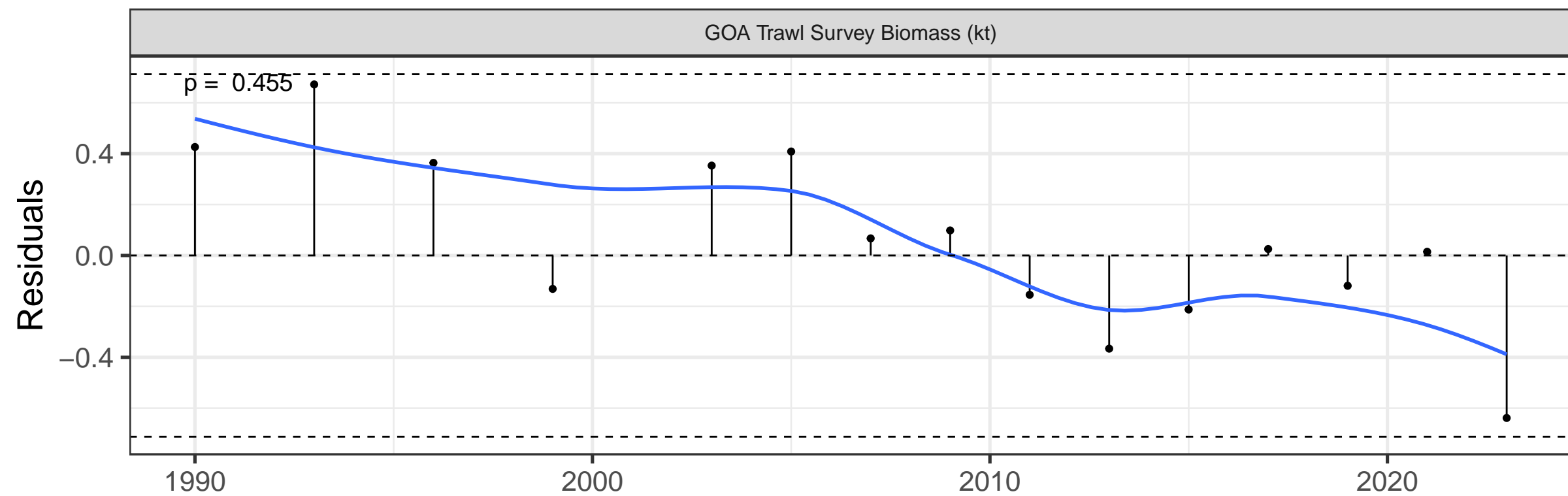
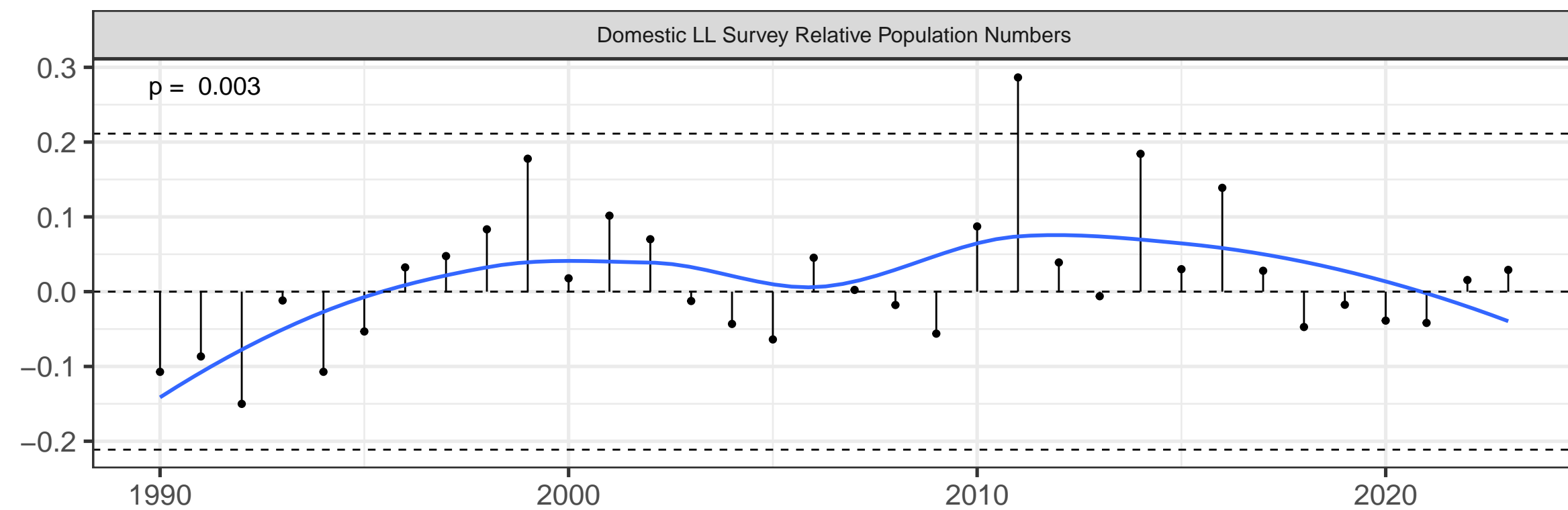
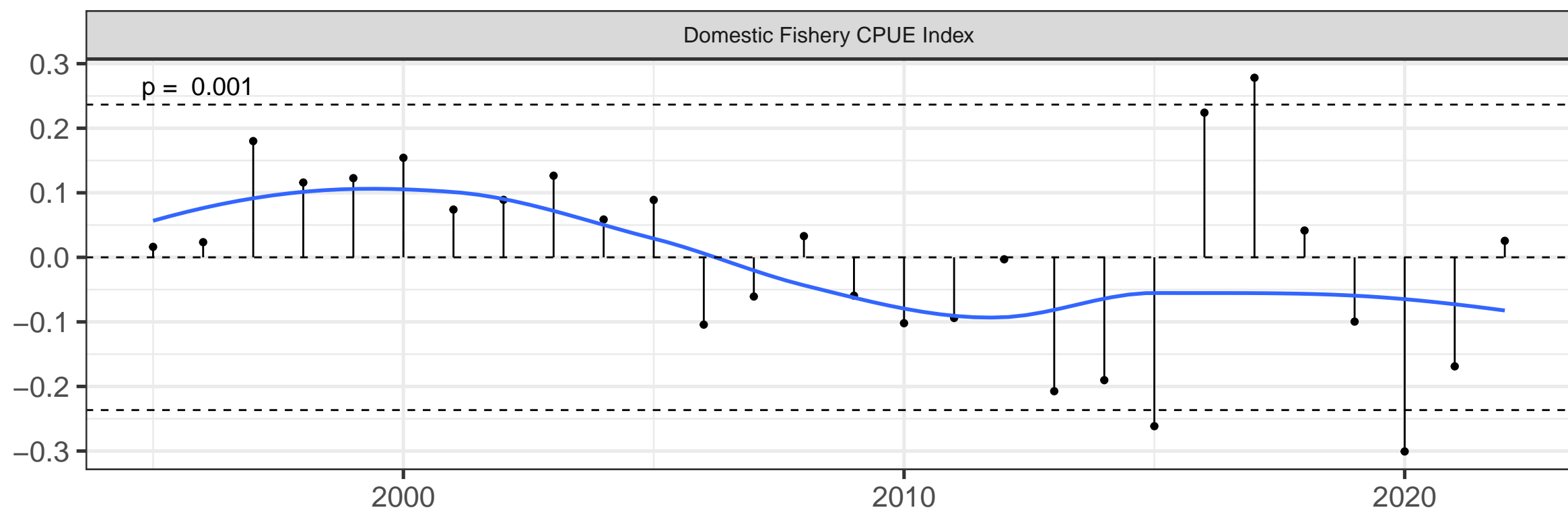




# Index Fits



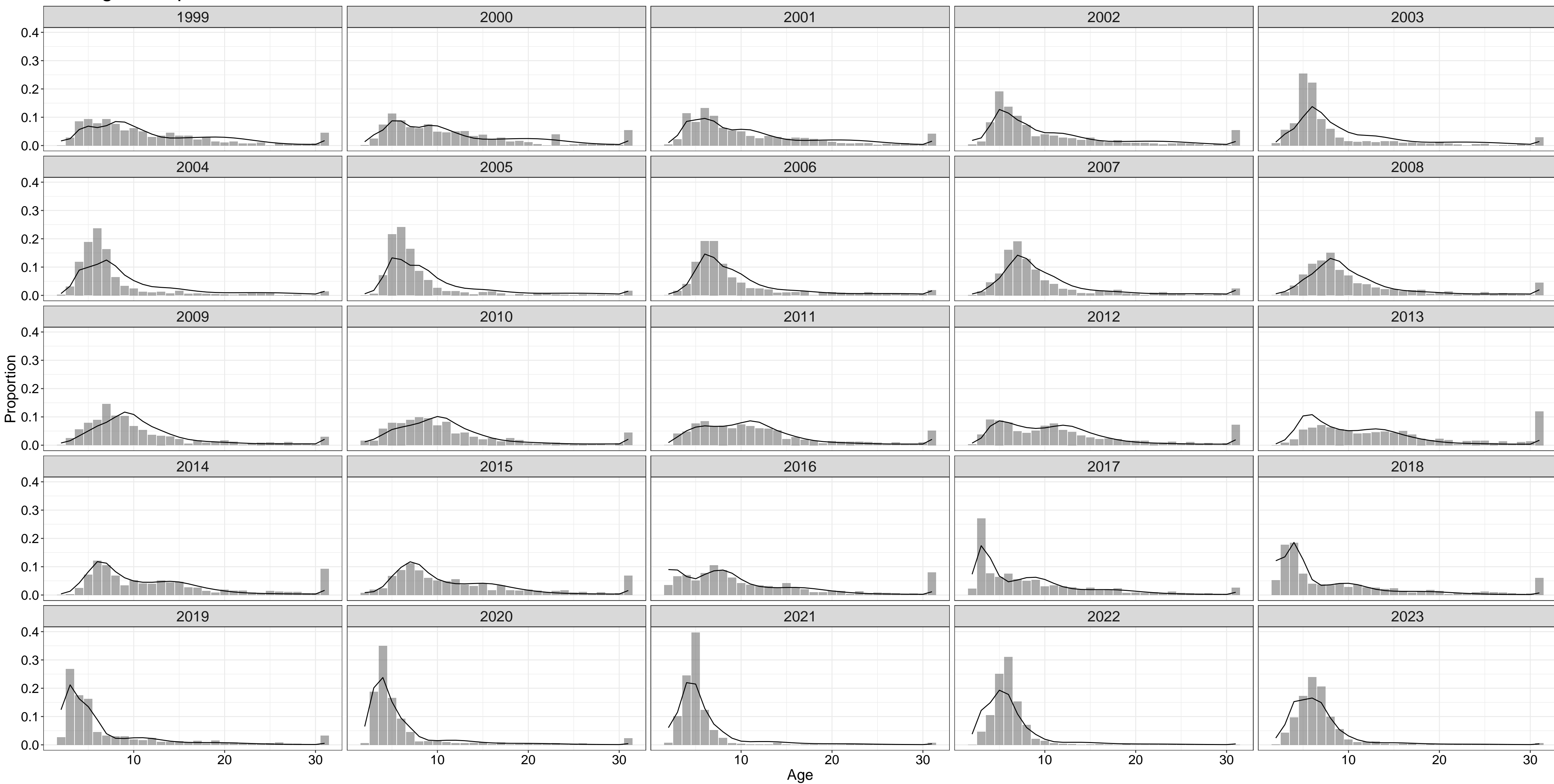
# Index Residuals Runs Test



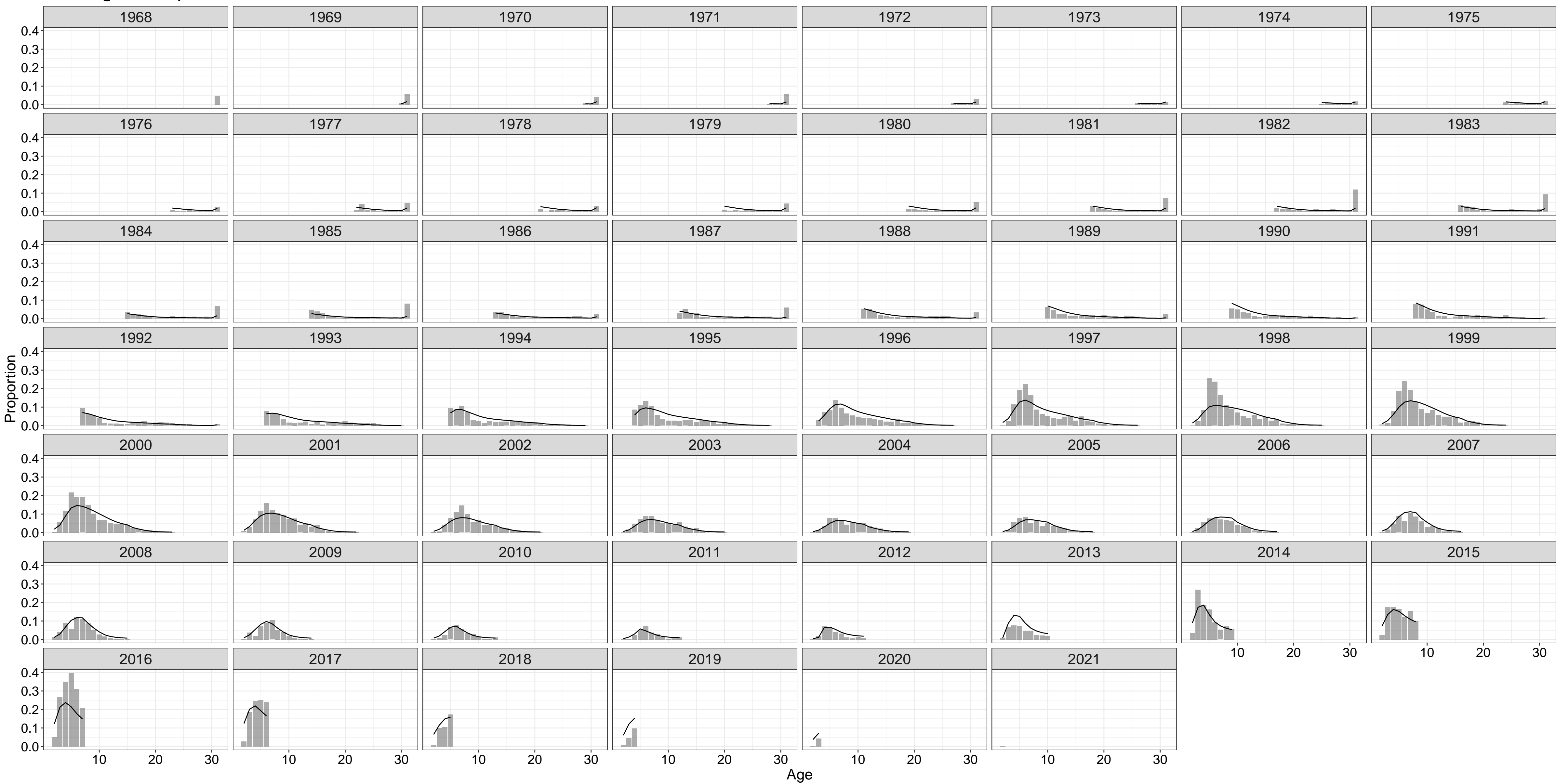
Year



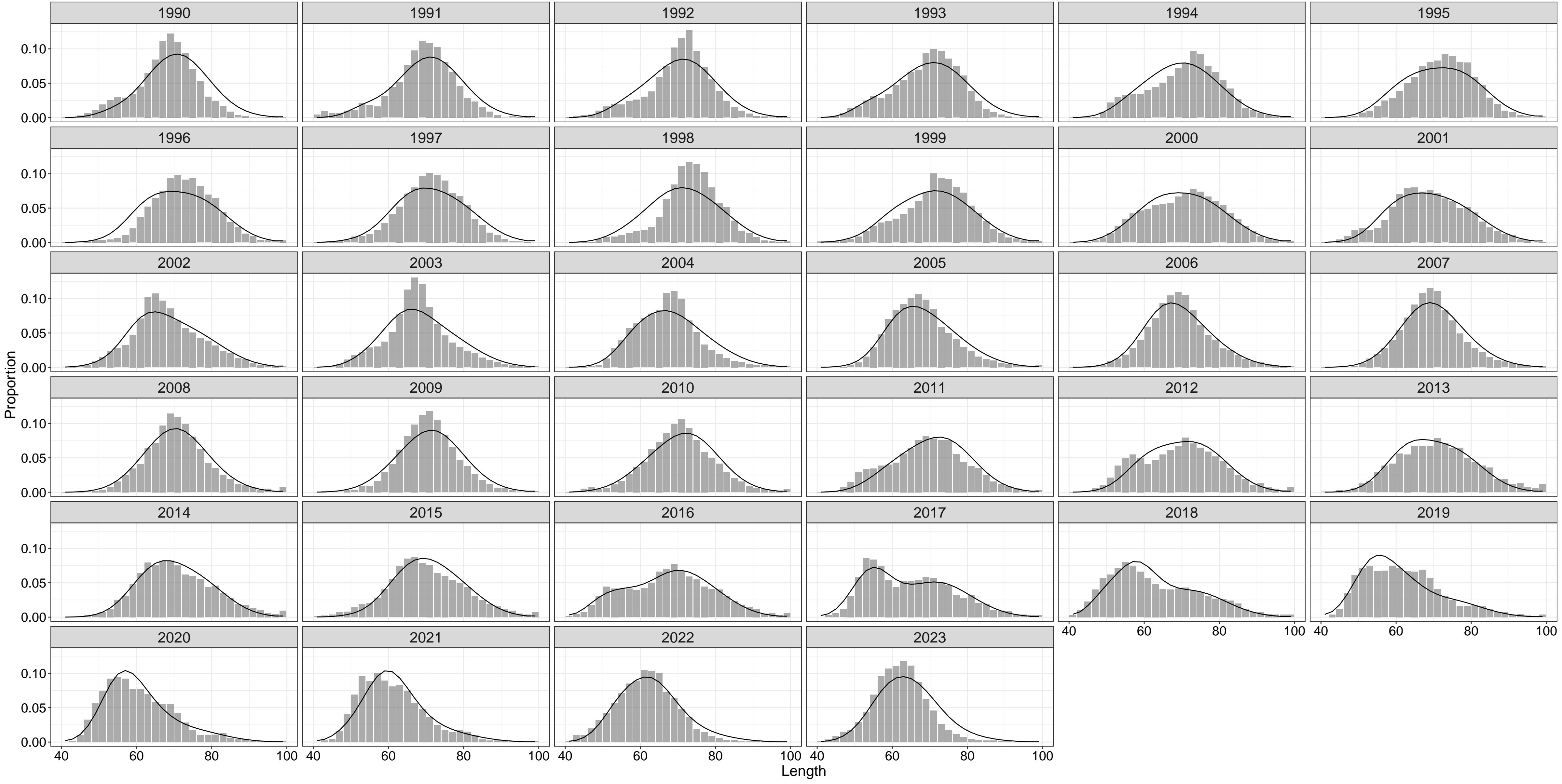
# LLF Age Comps Female



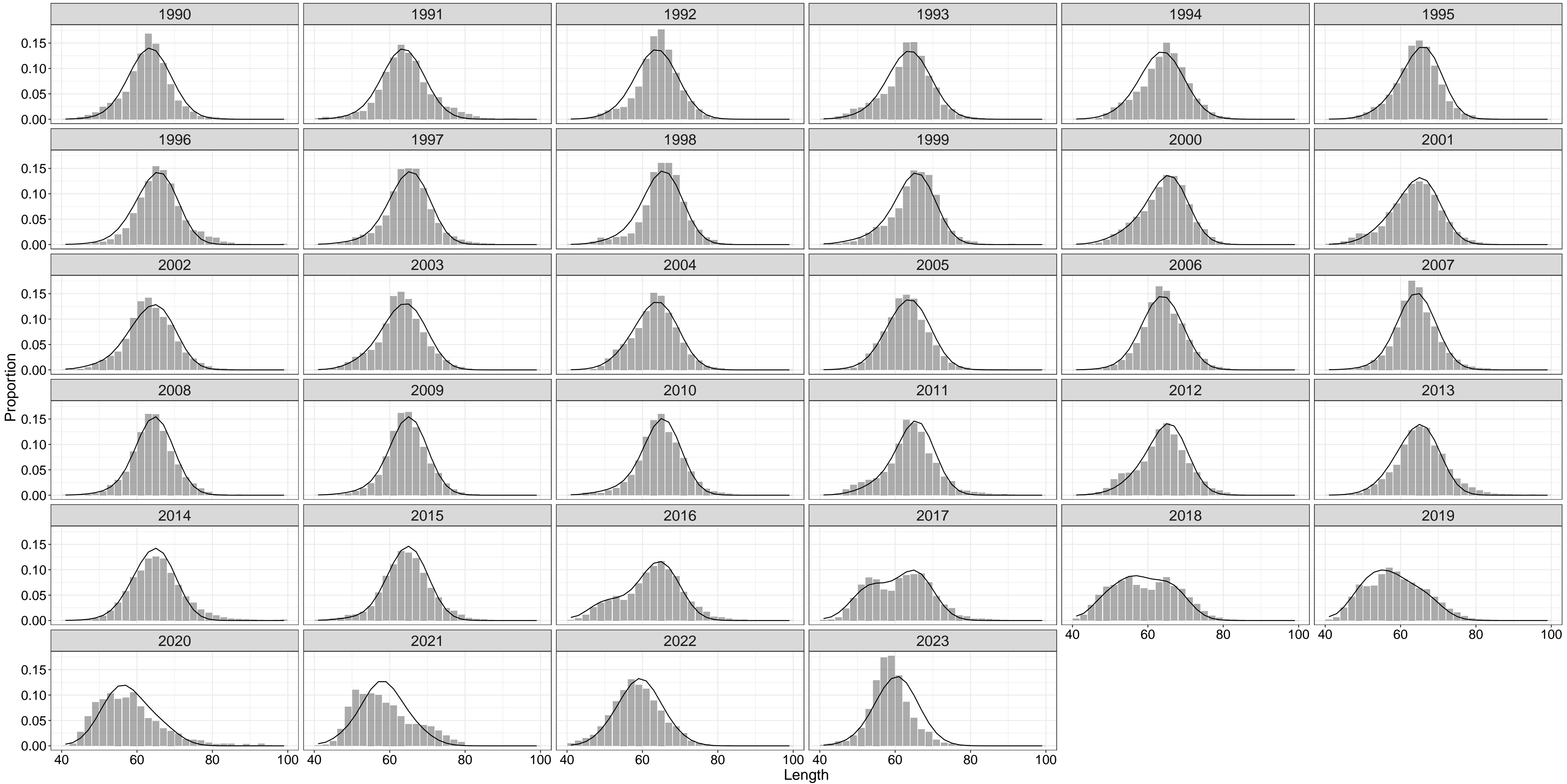
LLF Age Comps Cohort Fits Female



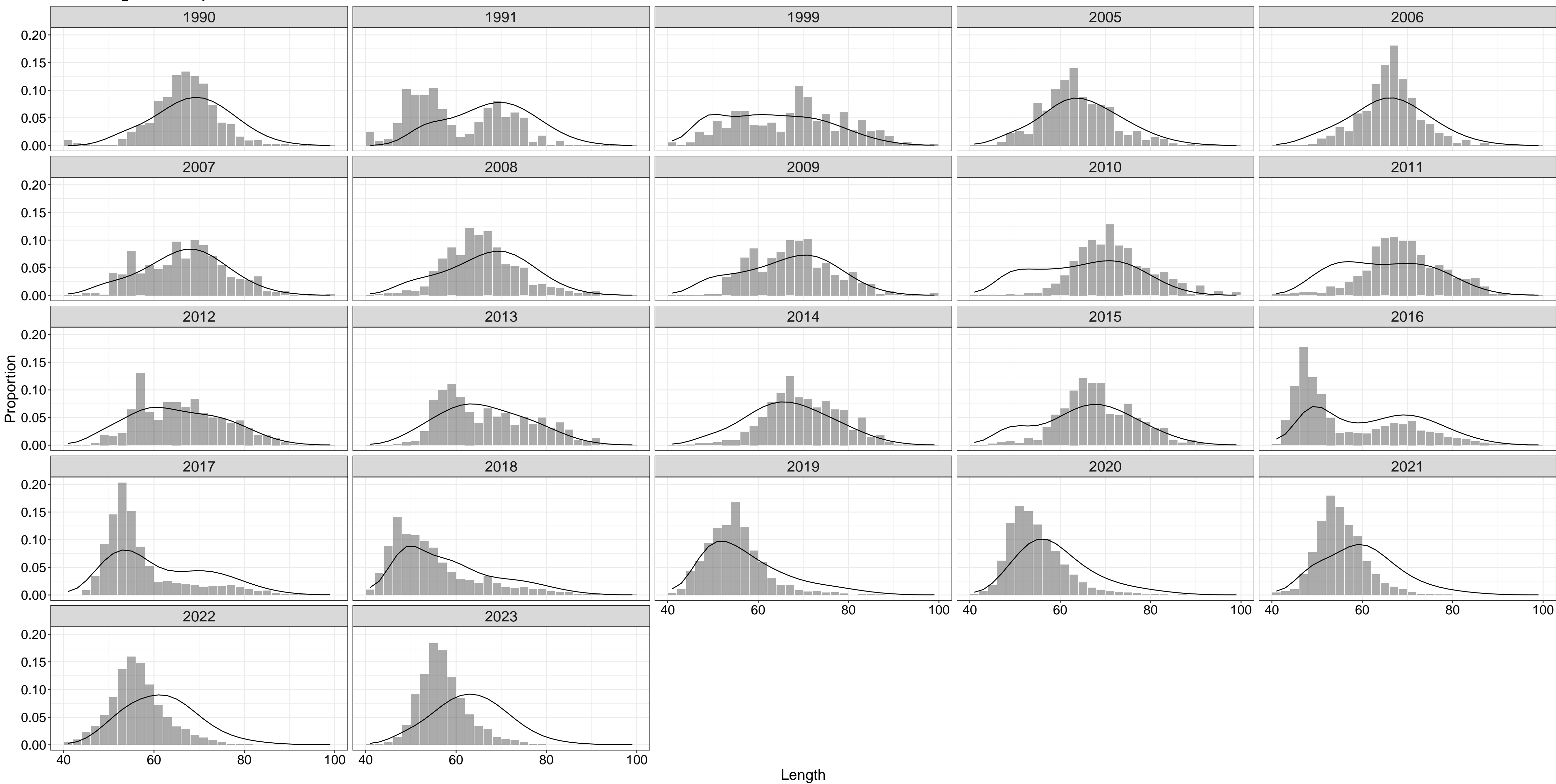
# LLF Length Comps Female



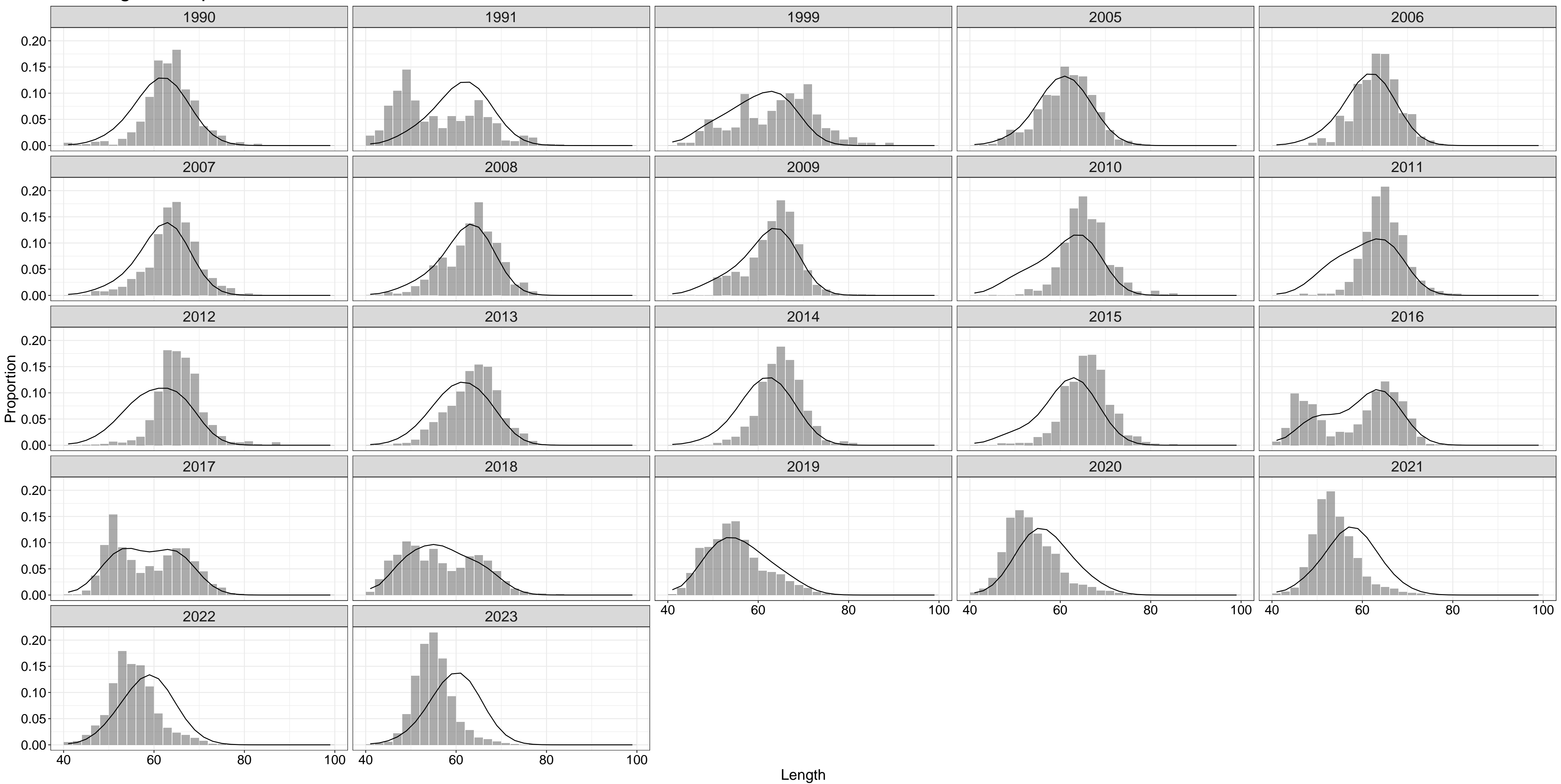
# LLF Length Comps Male



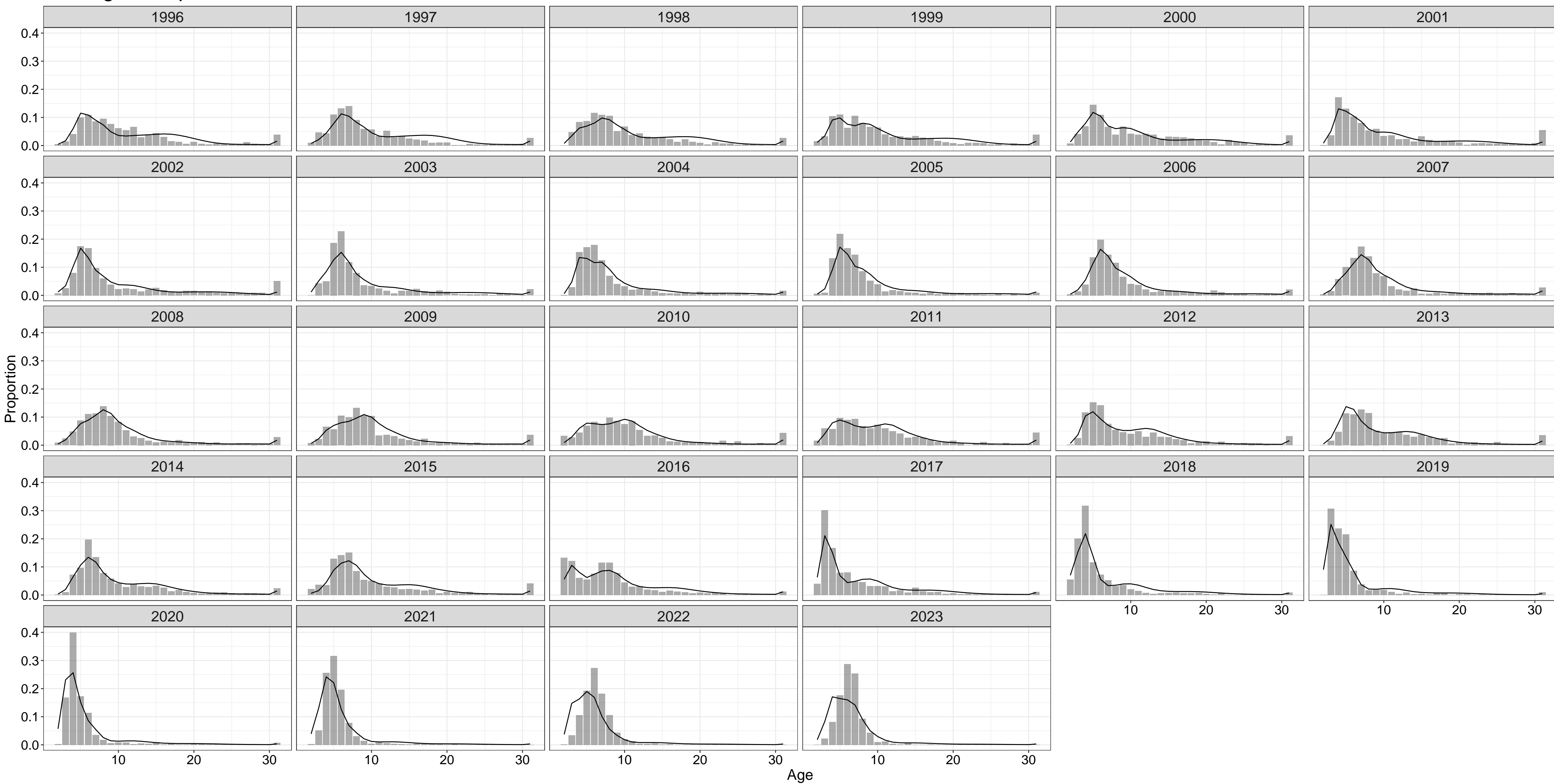
# TF Length Comps Female



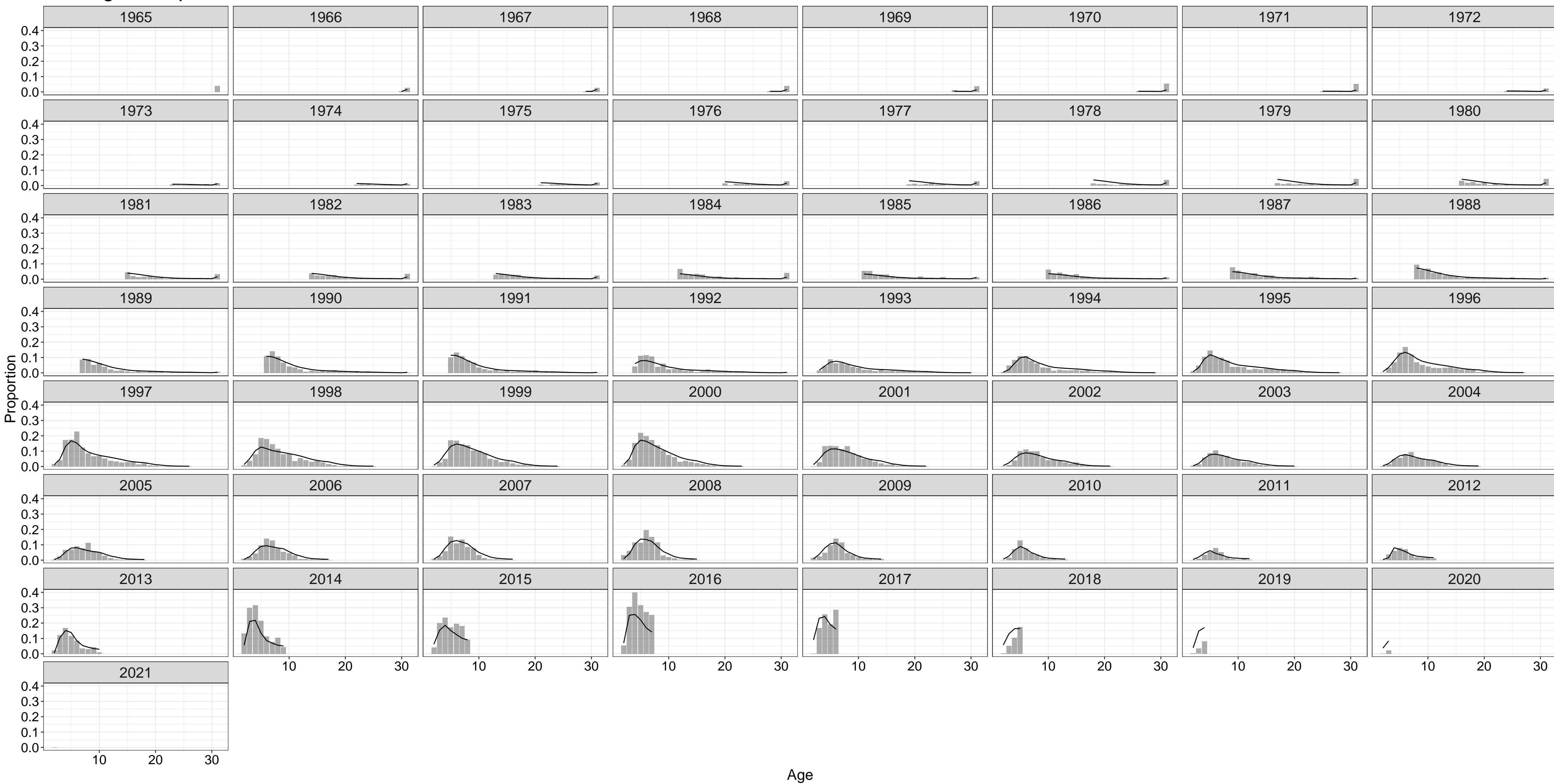
# TF Length Comps Male



# LLS Age Comps Female

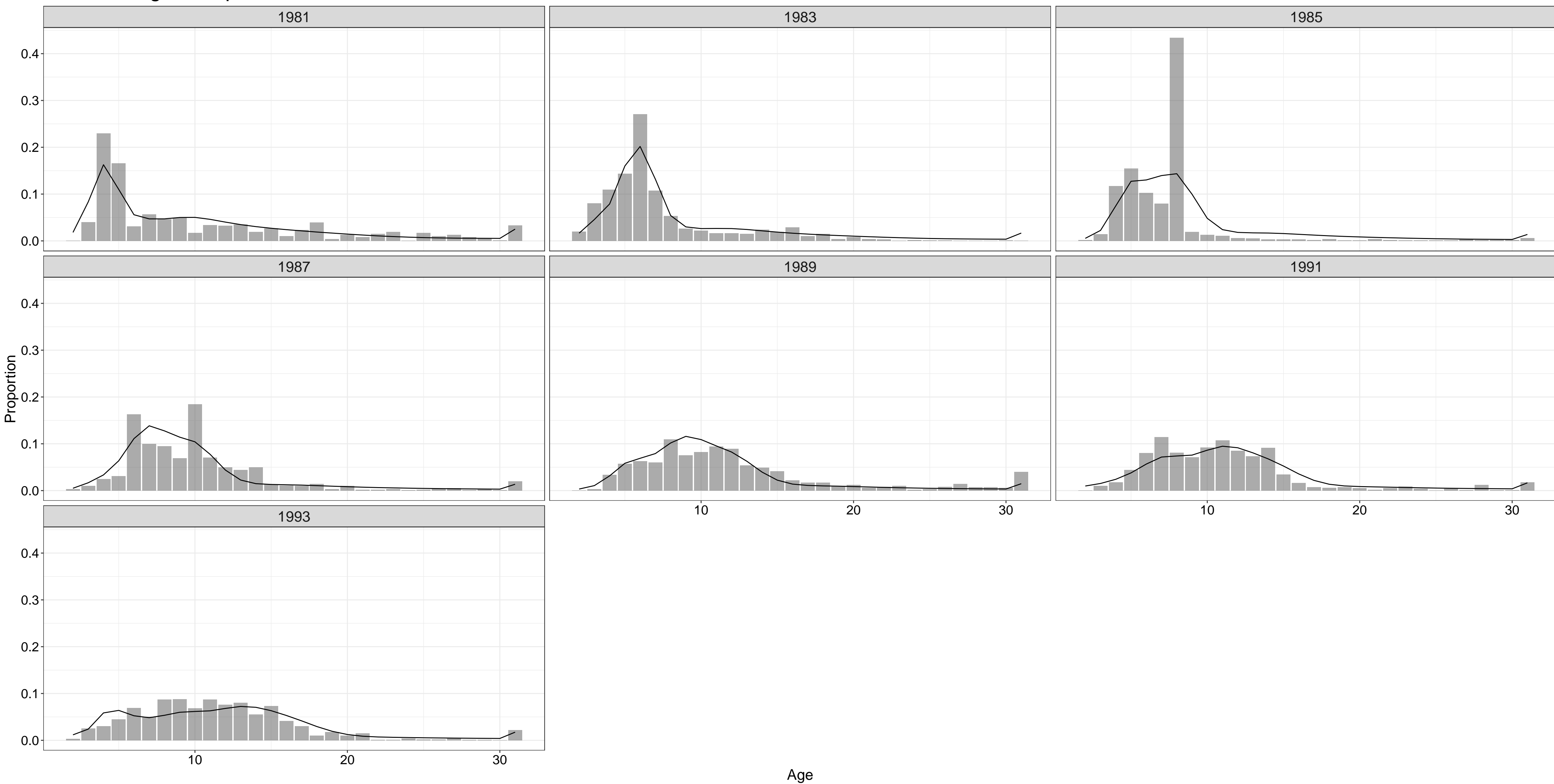


LLS Age Comps Cohort Fit Female

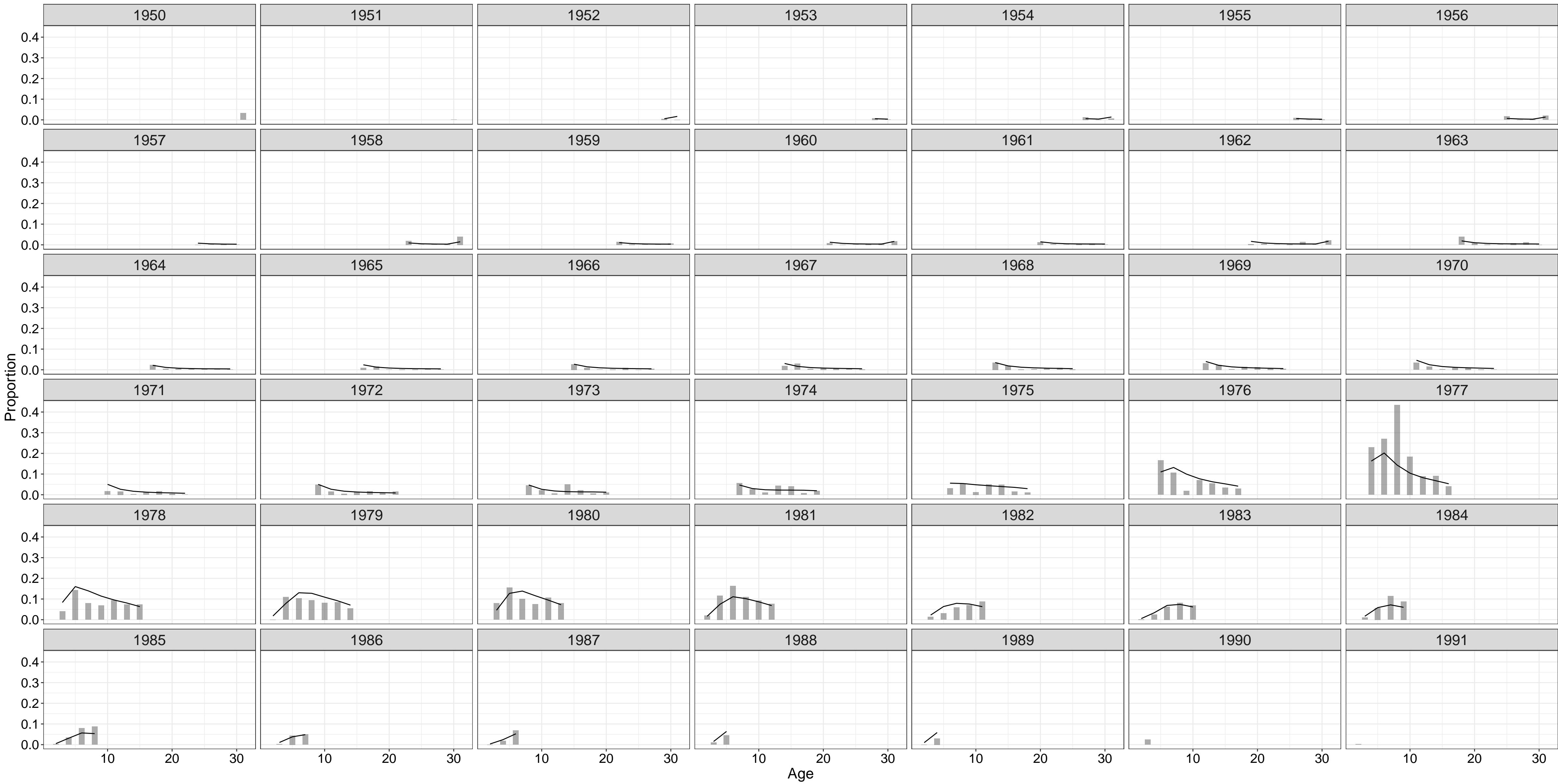




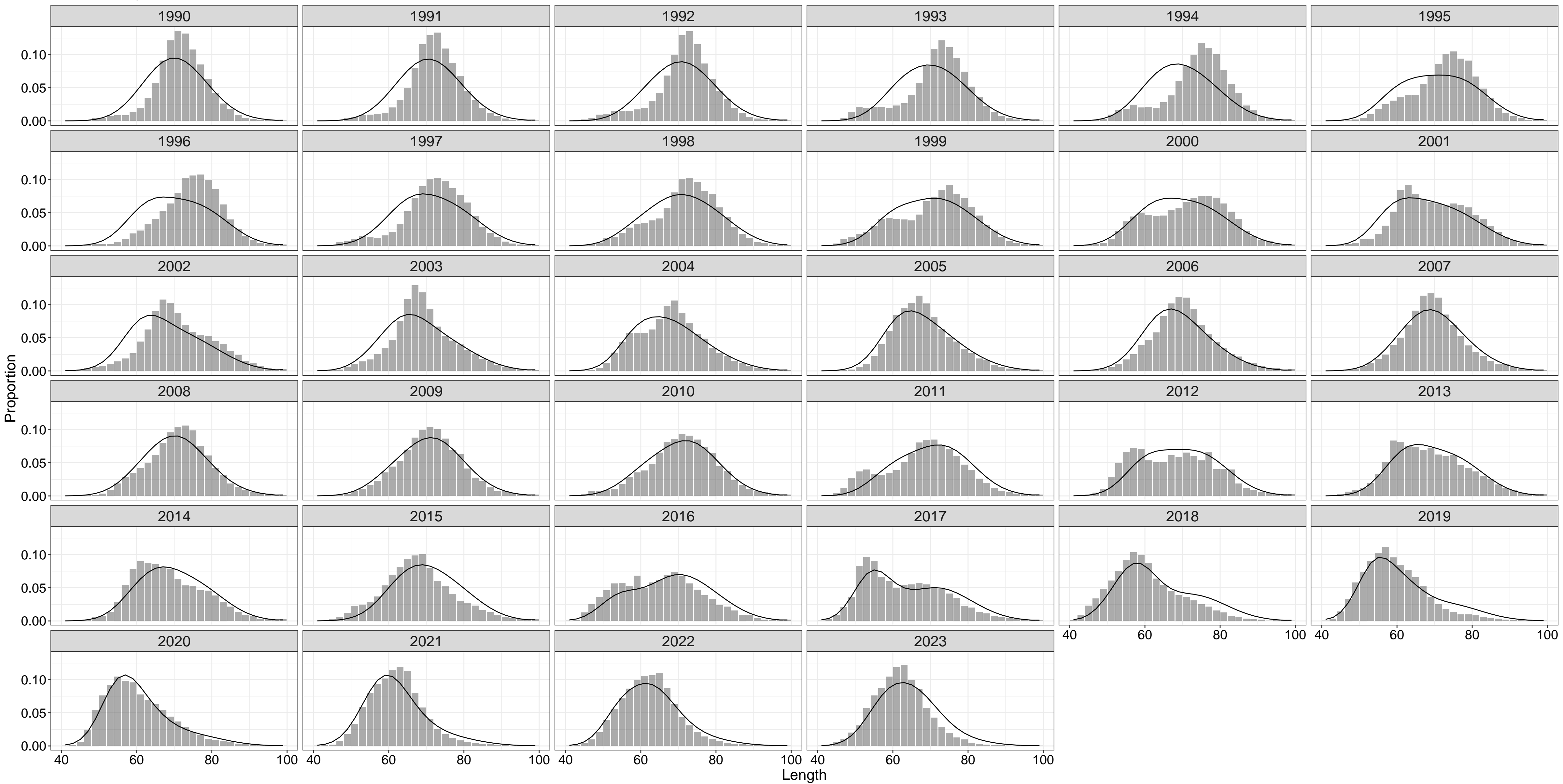
# JPN LLS Age Comps Female



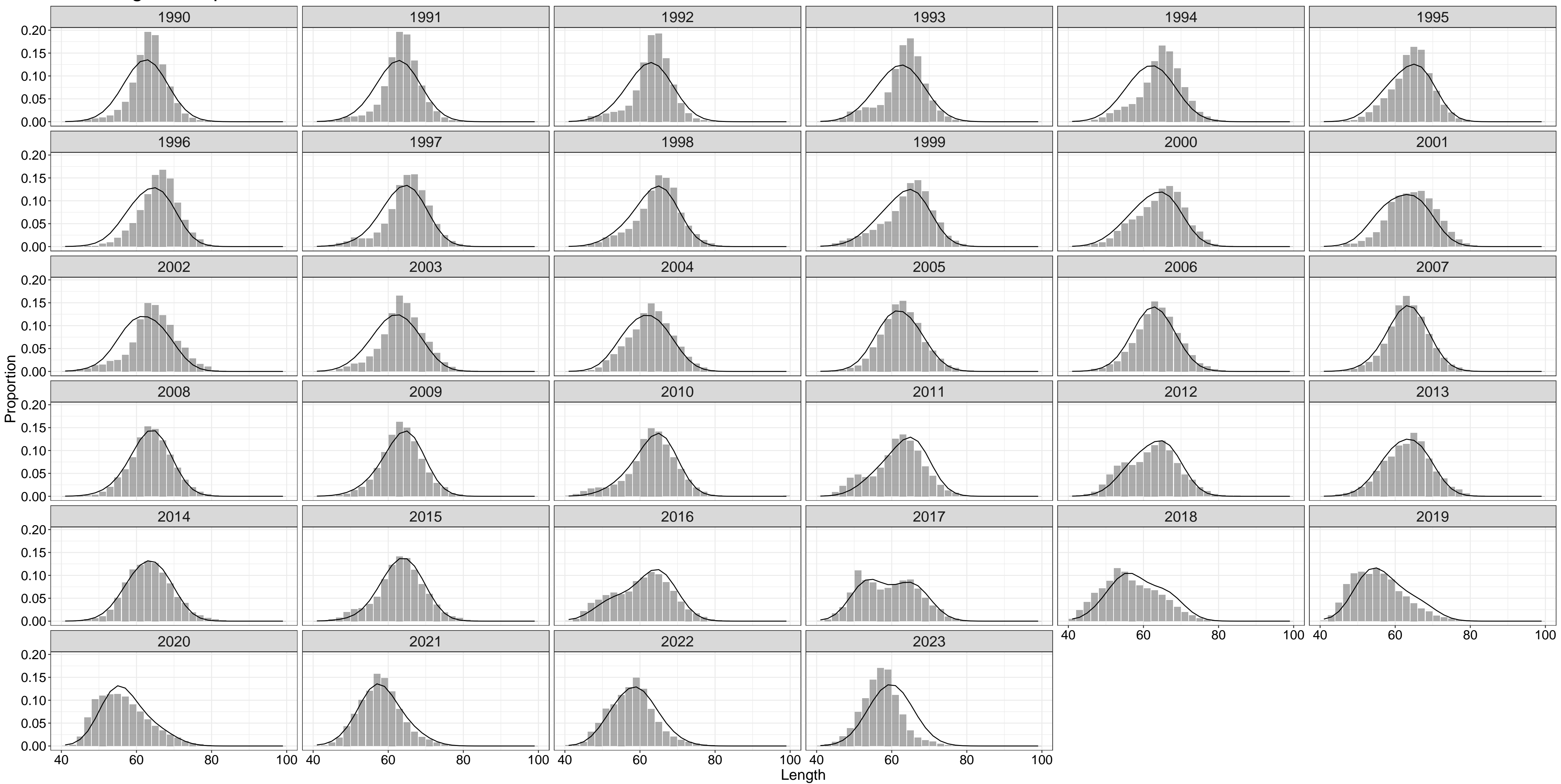
JPN LLS Age Comps Cohort Fit Female



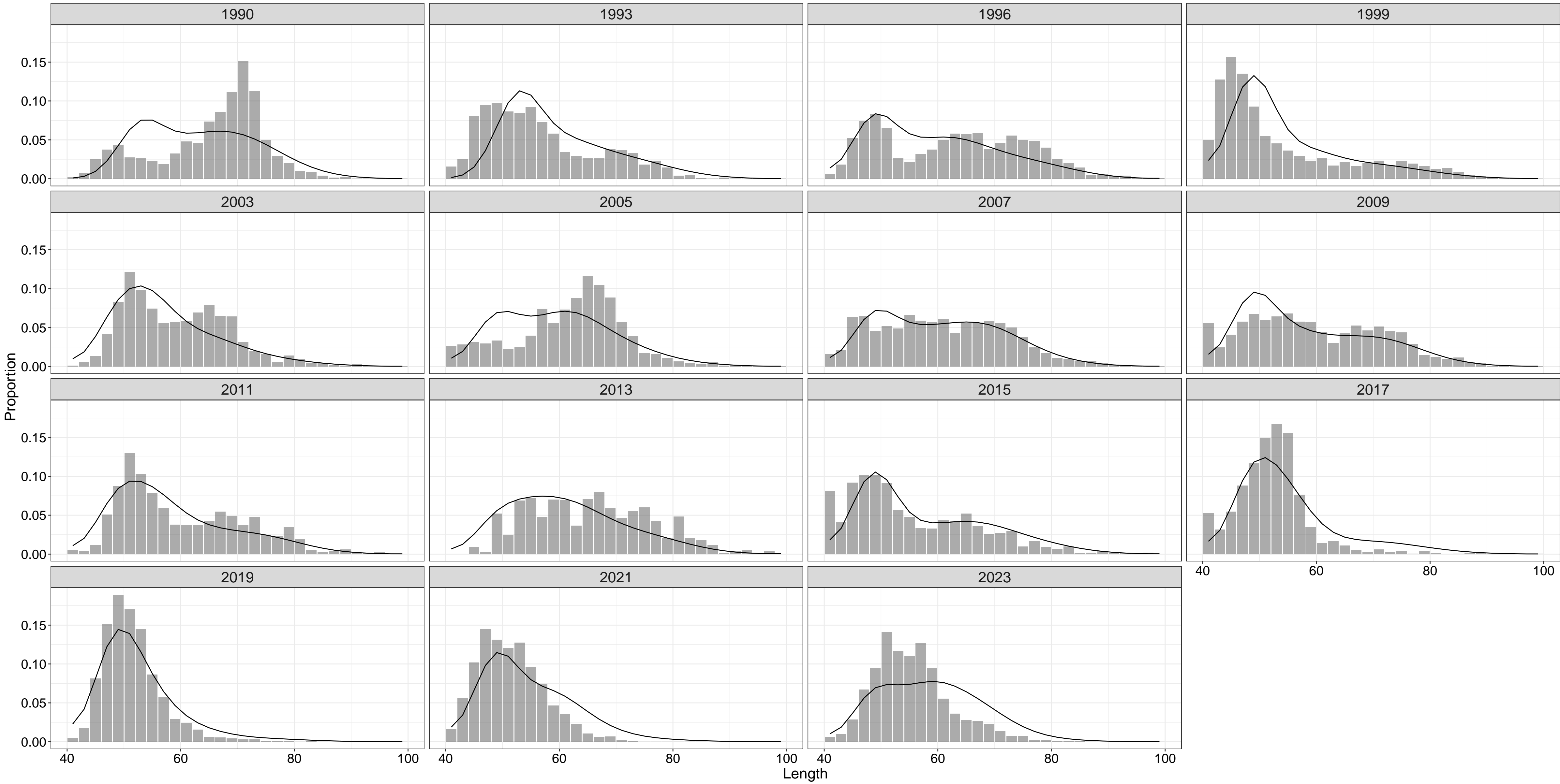
# LLS Length Comps Female



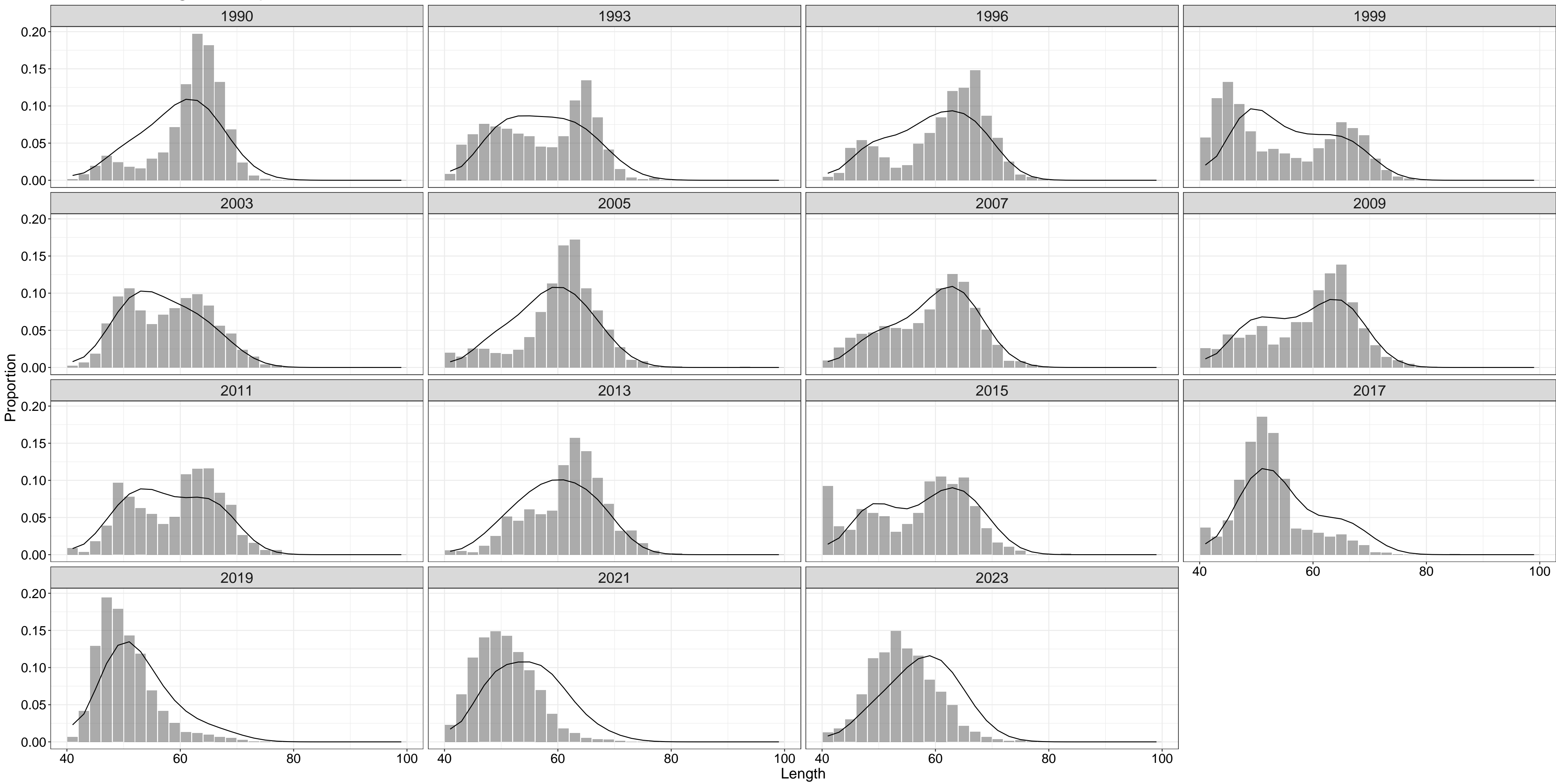
# LLS Length Comps Male



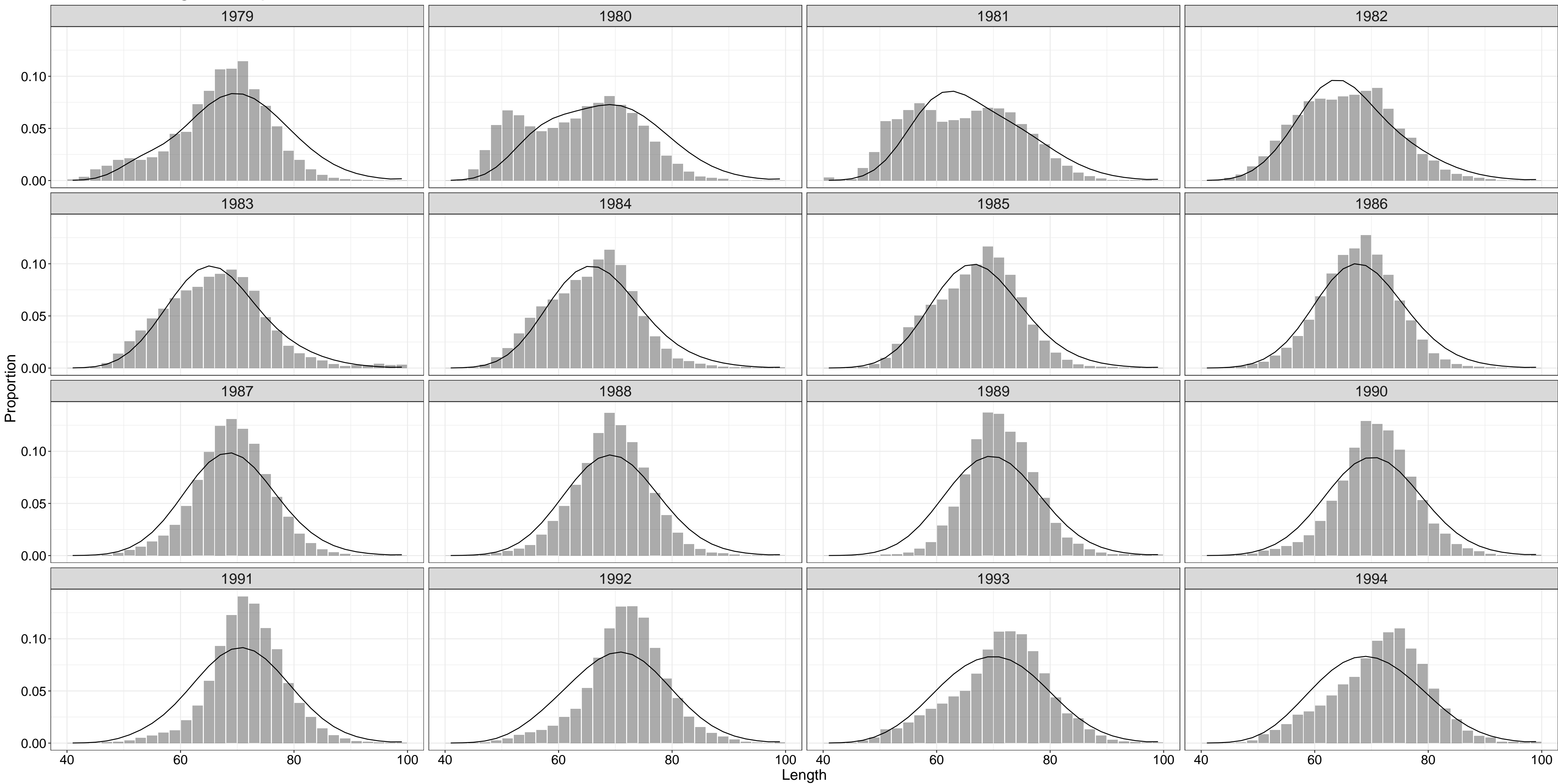
# GOA TS Length Comps Female



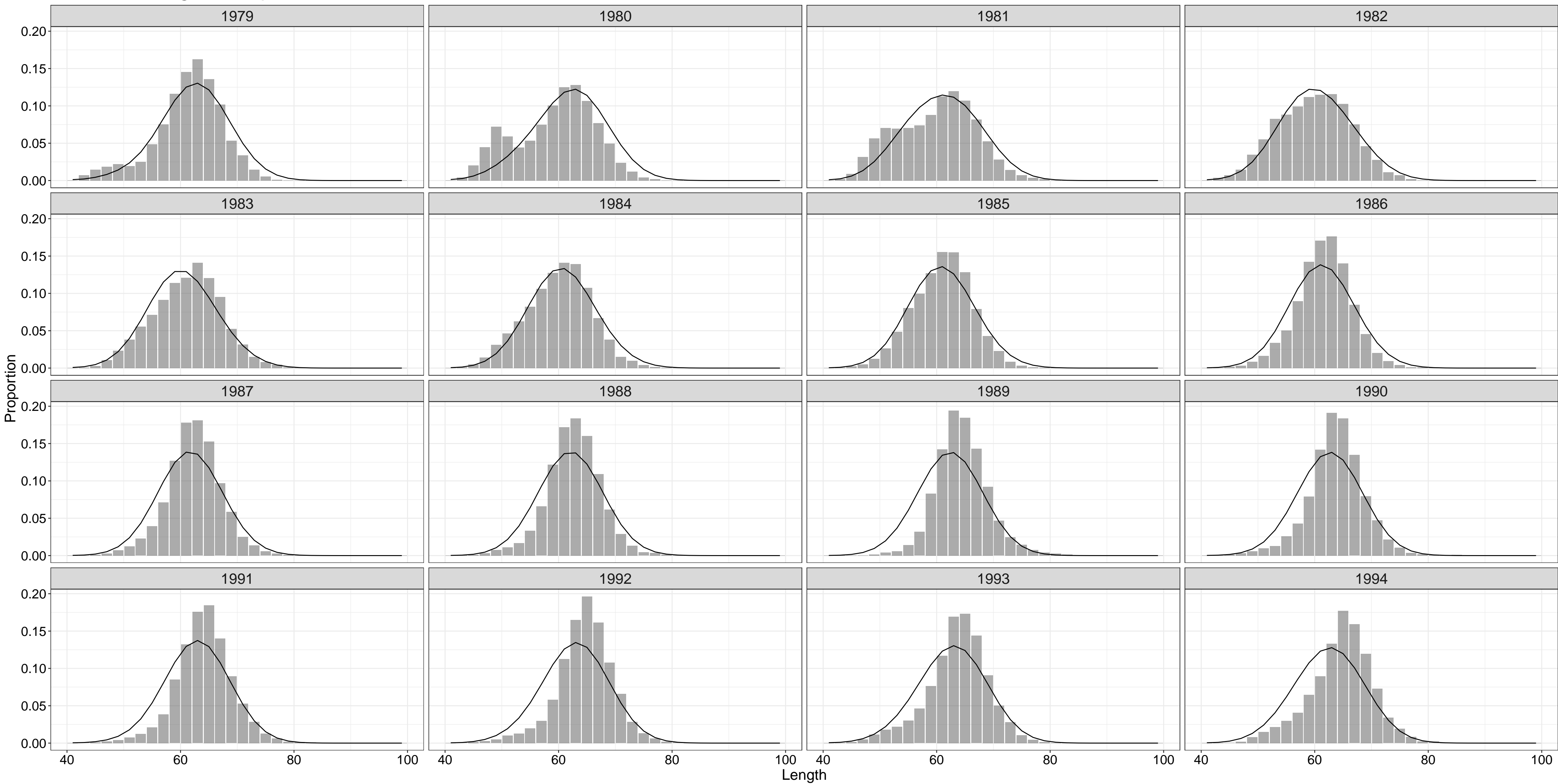
# GOA TS Length Comps Male



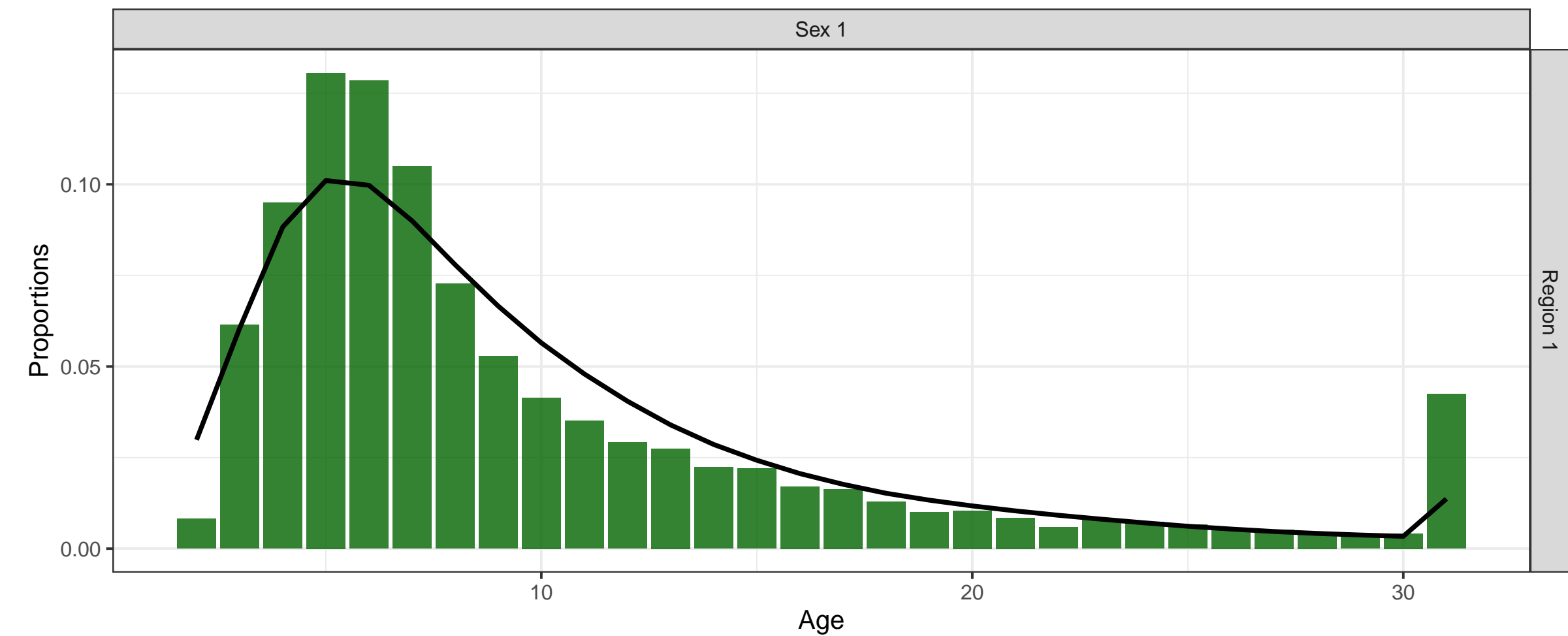
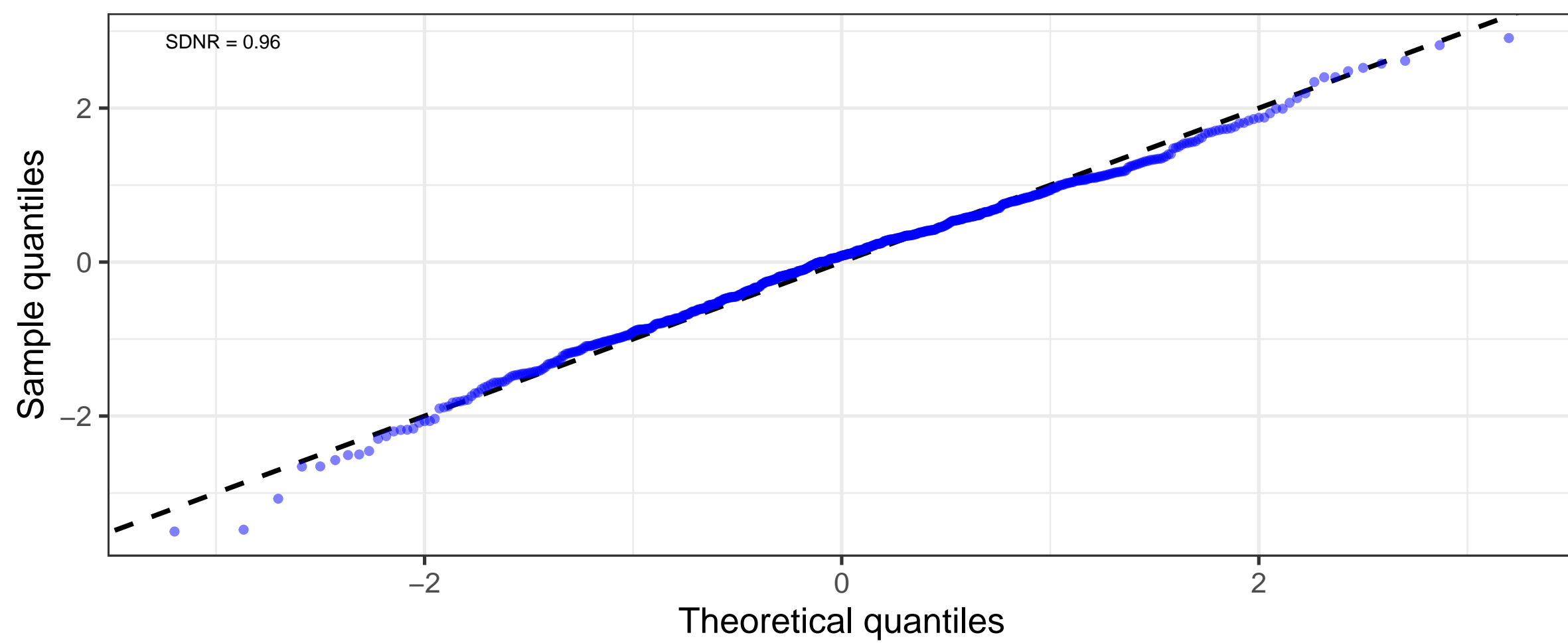
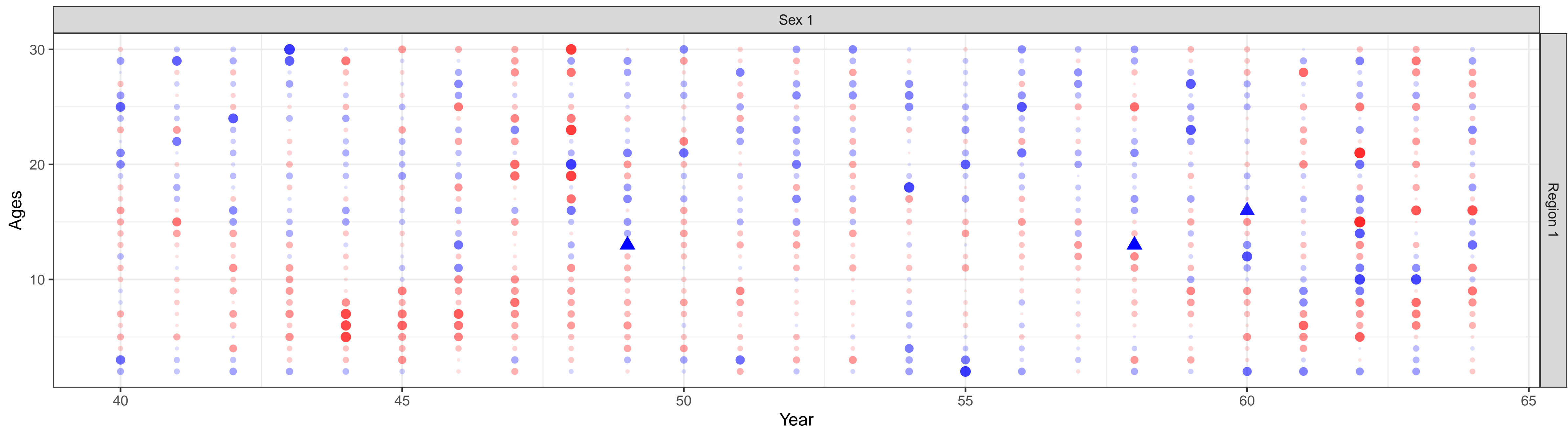
# JPN LLS Length Comps Female

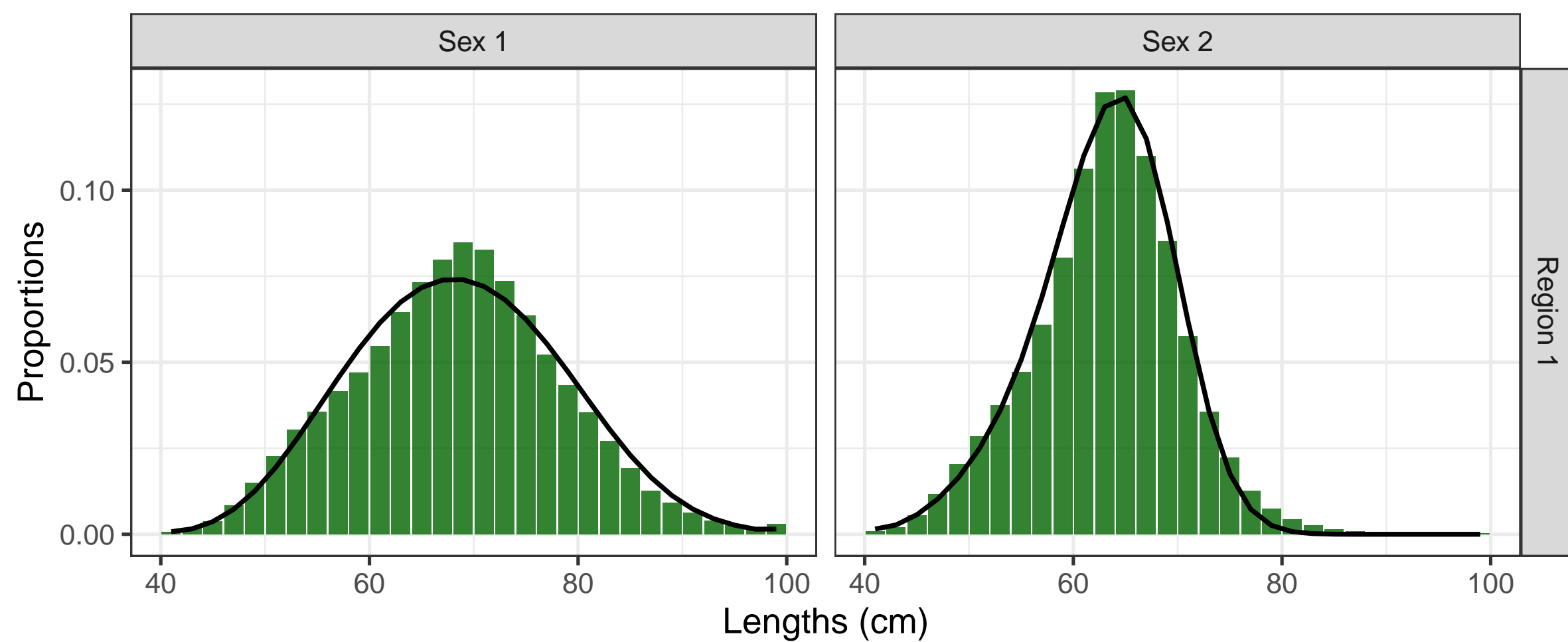
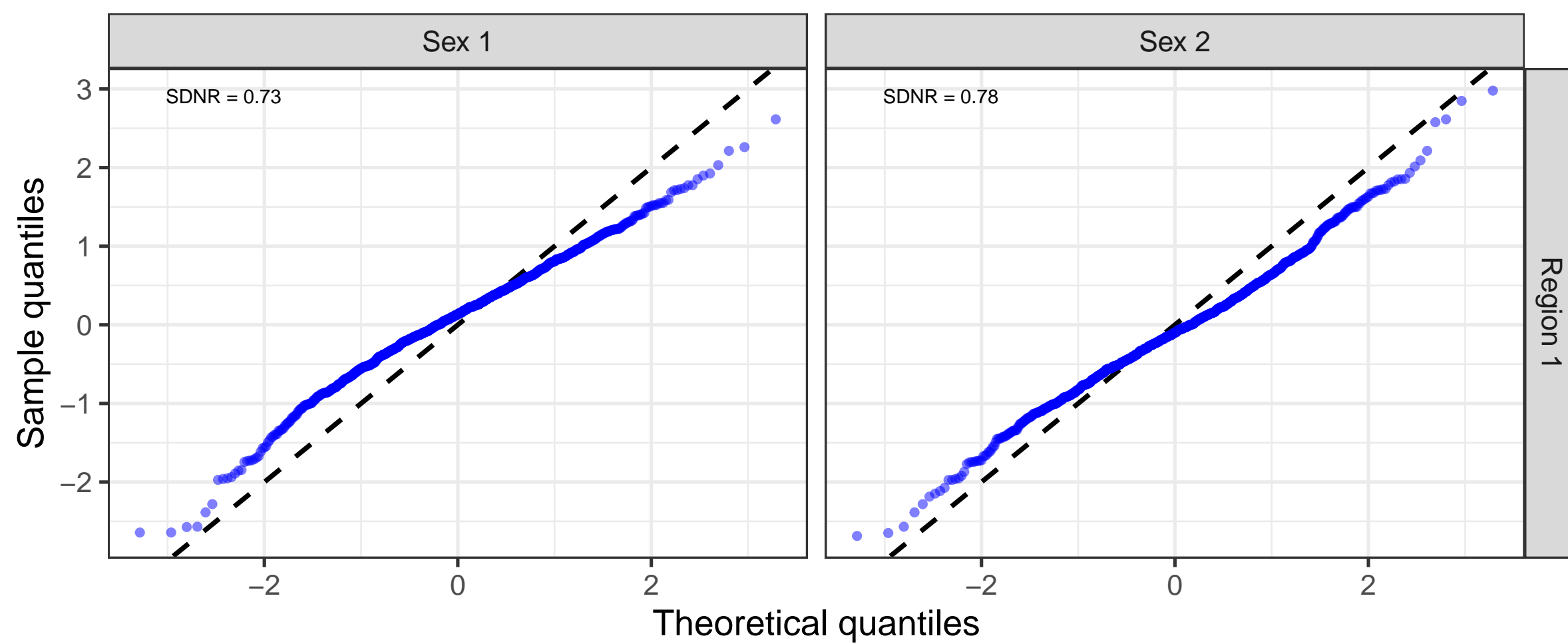
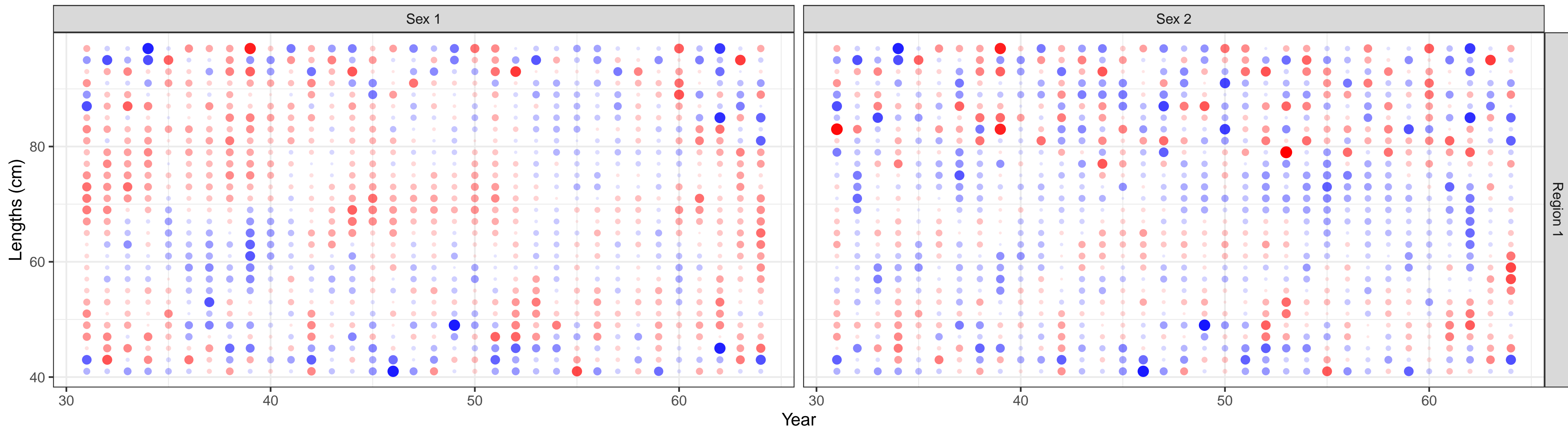


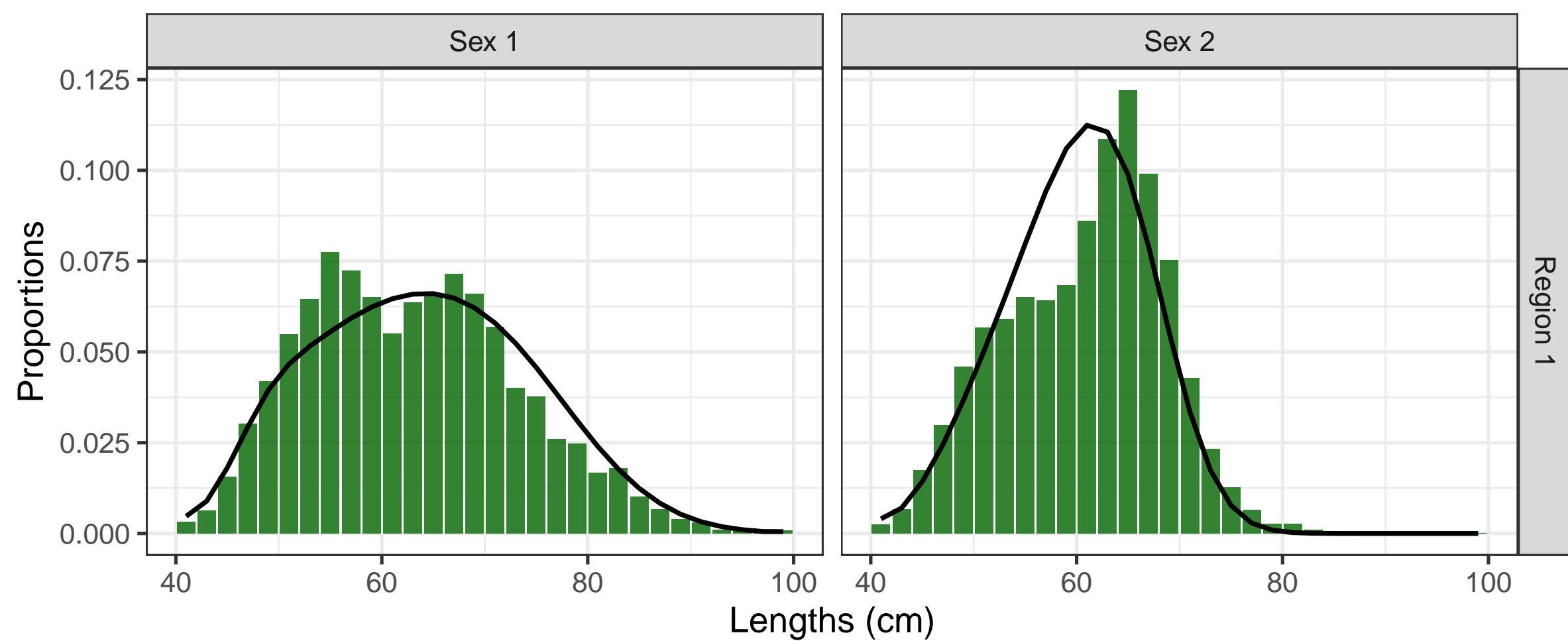
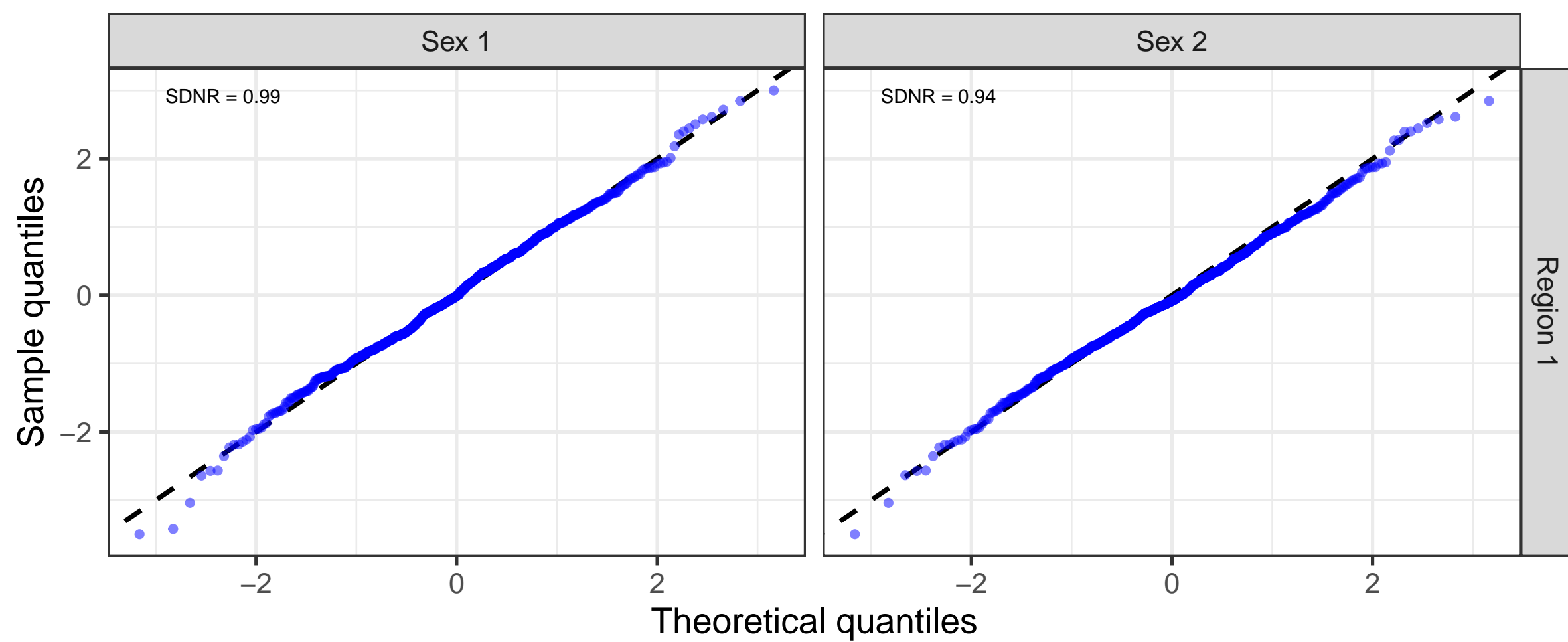
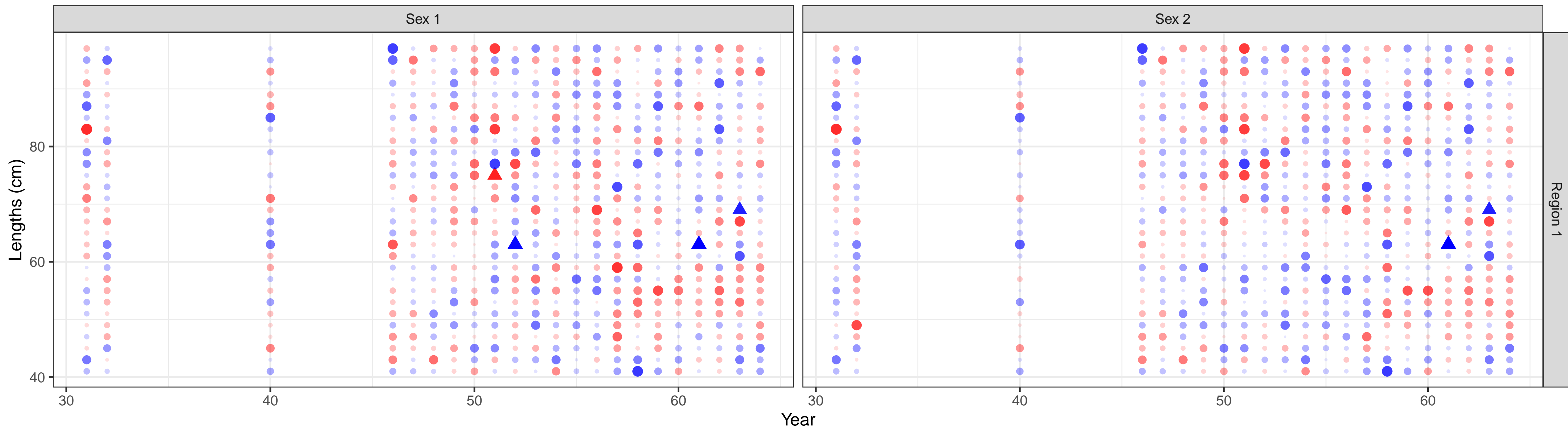
# JPN LLS Length Comps Male

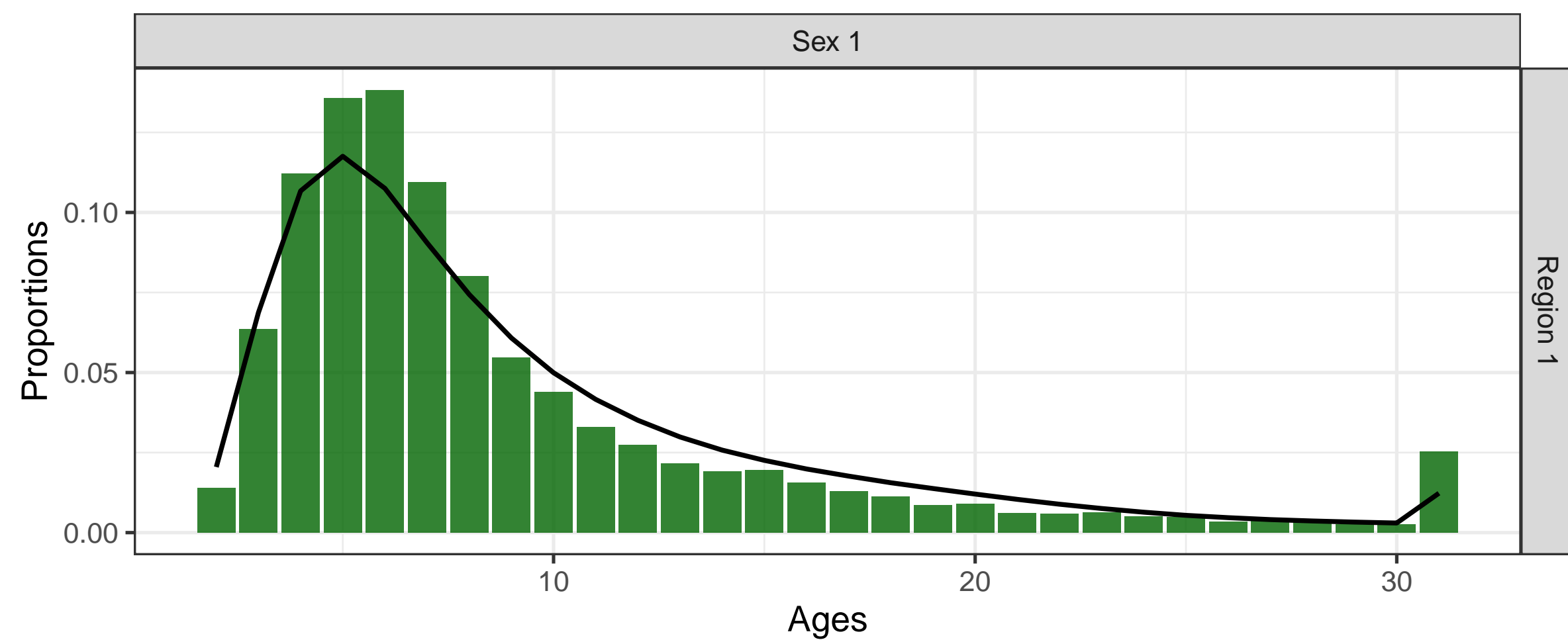
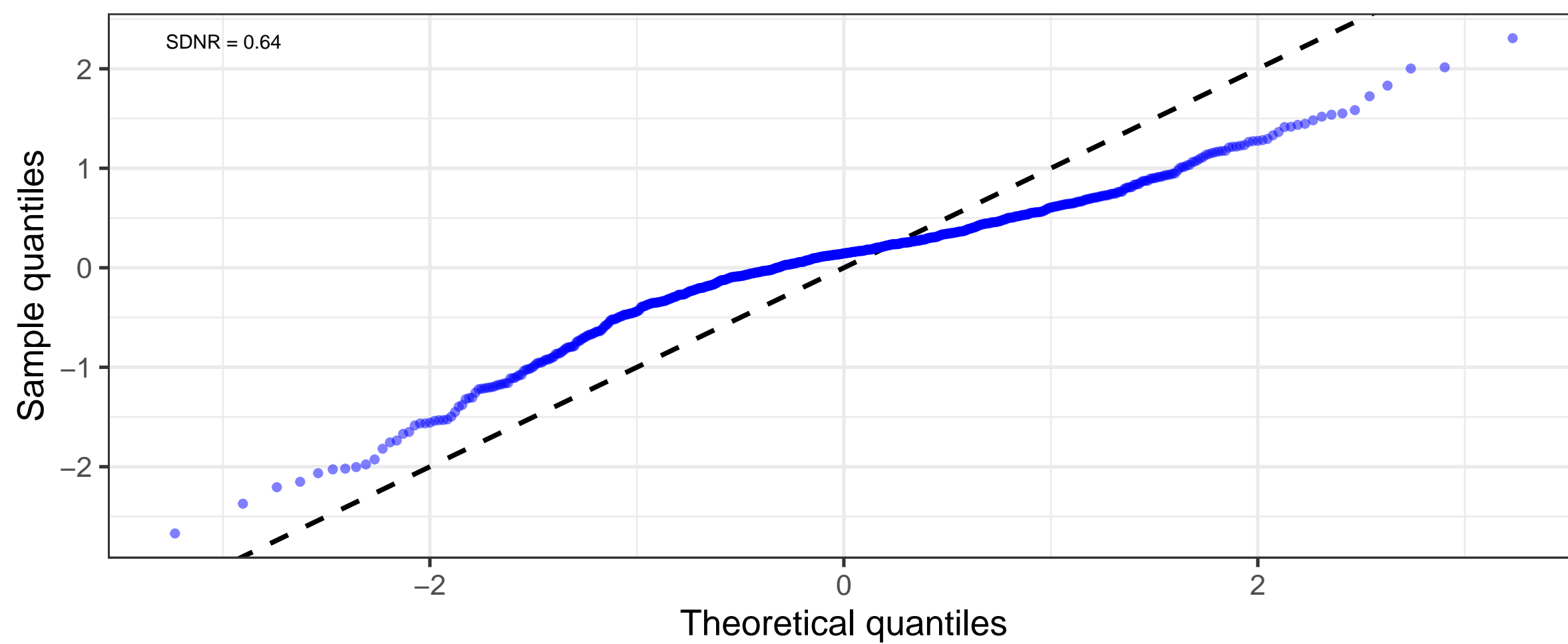
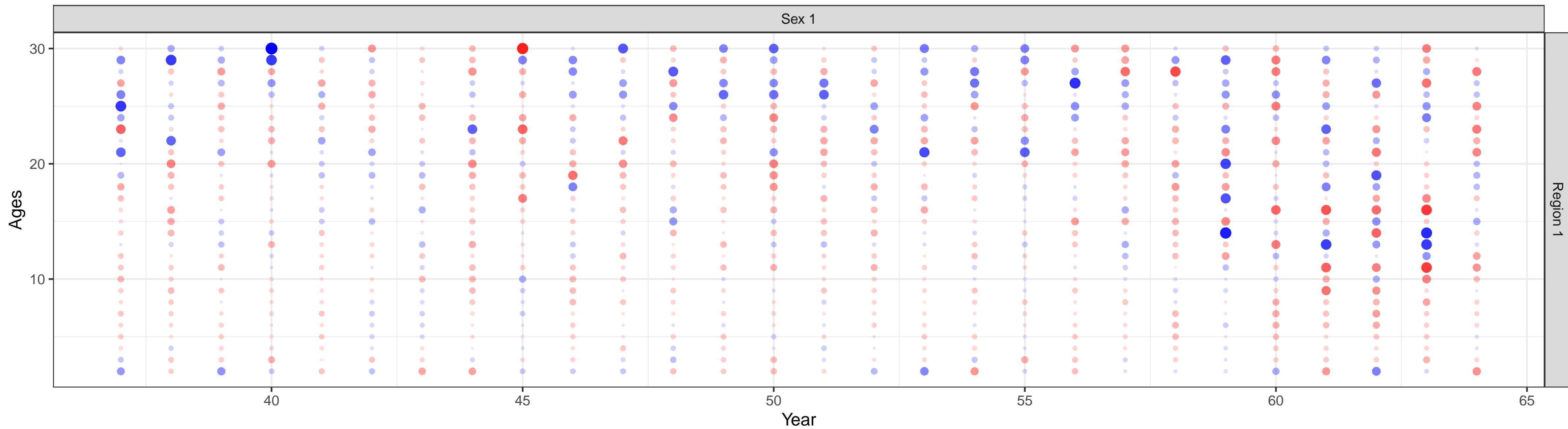


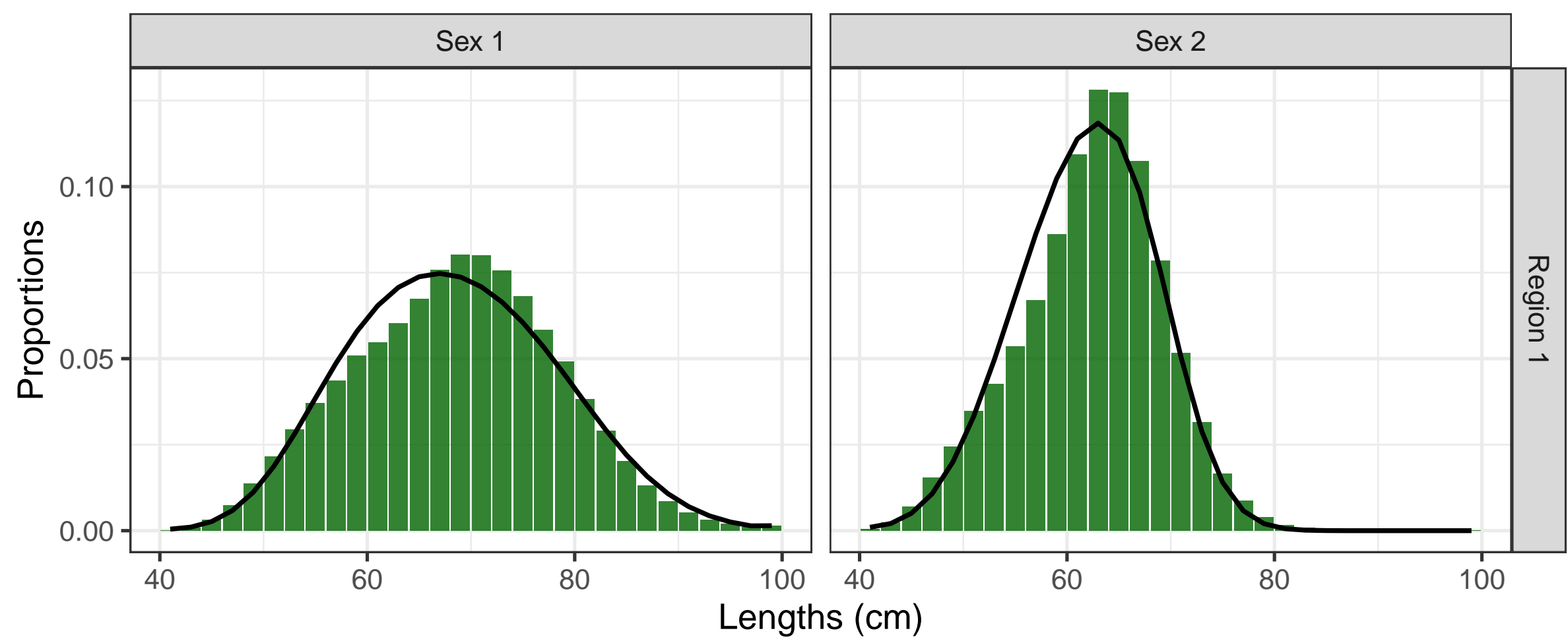
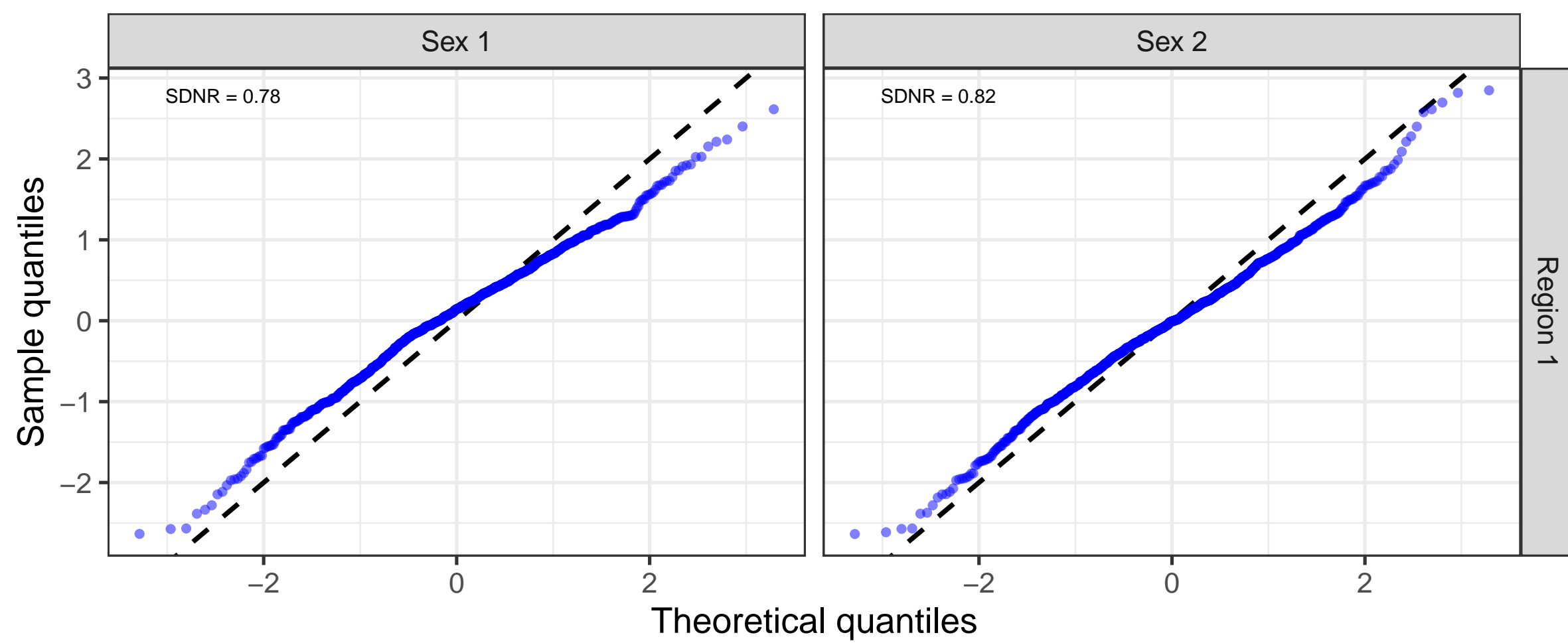
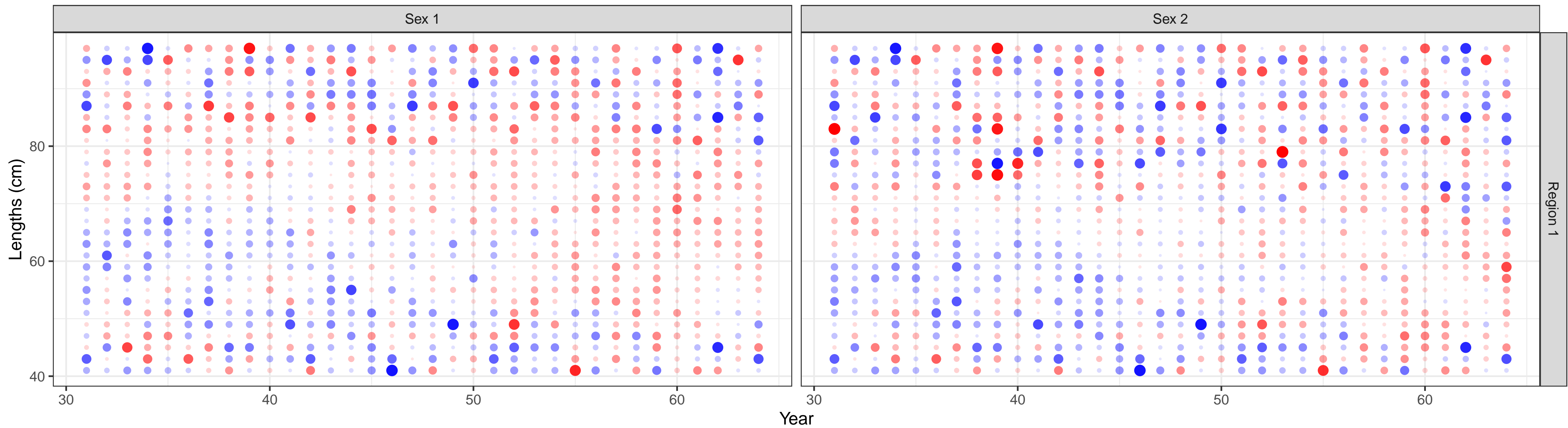


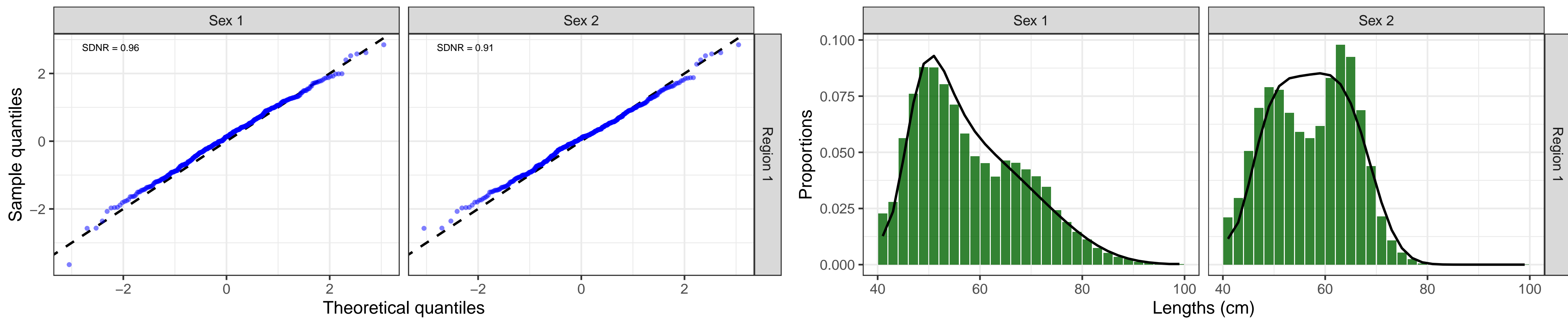
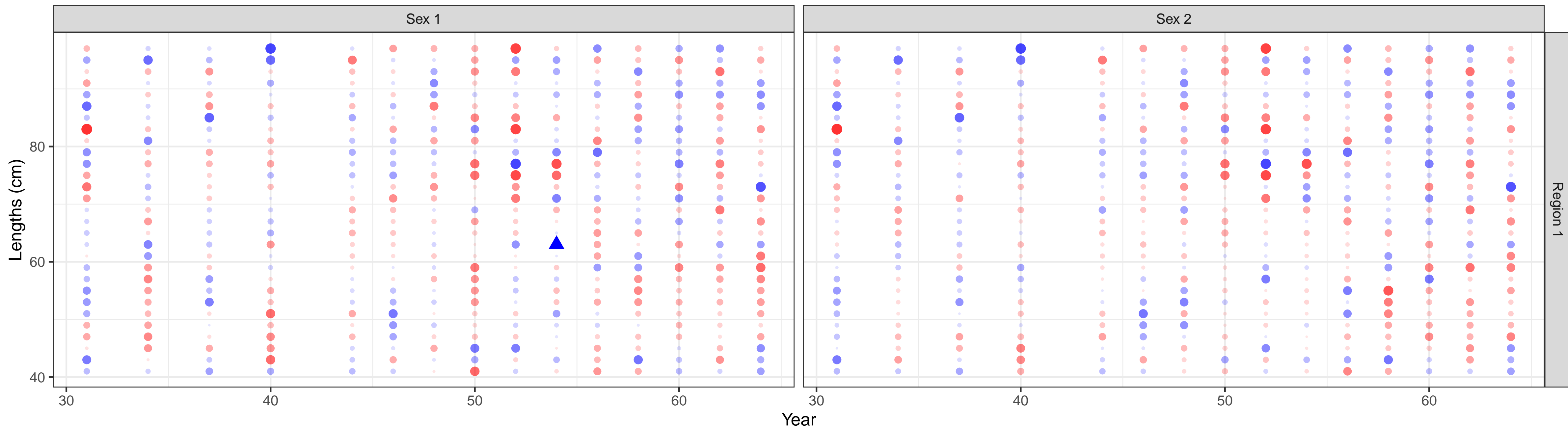






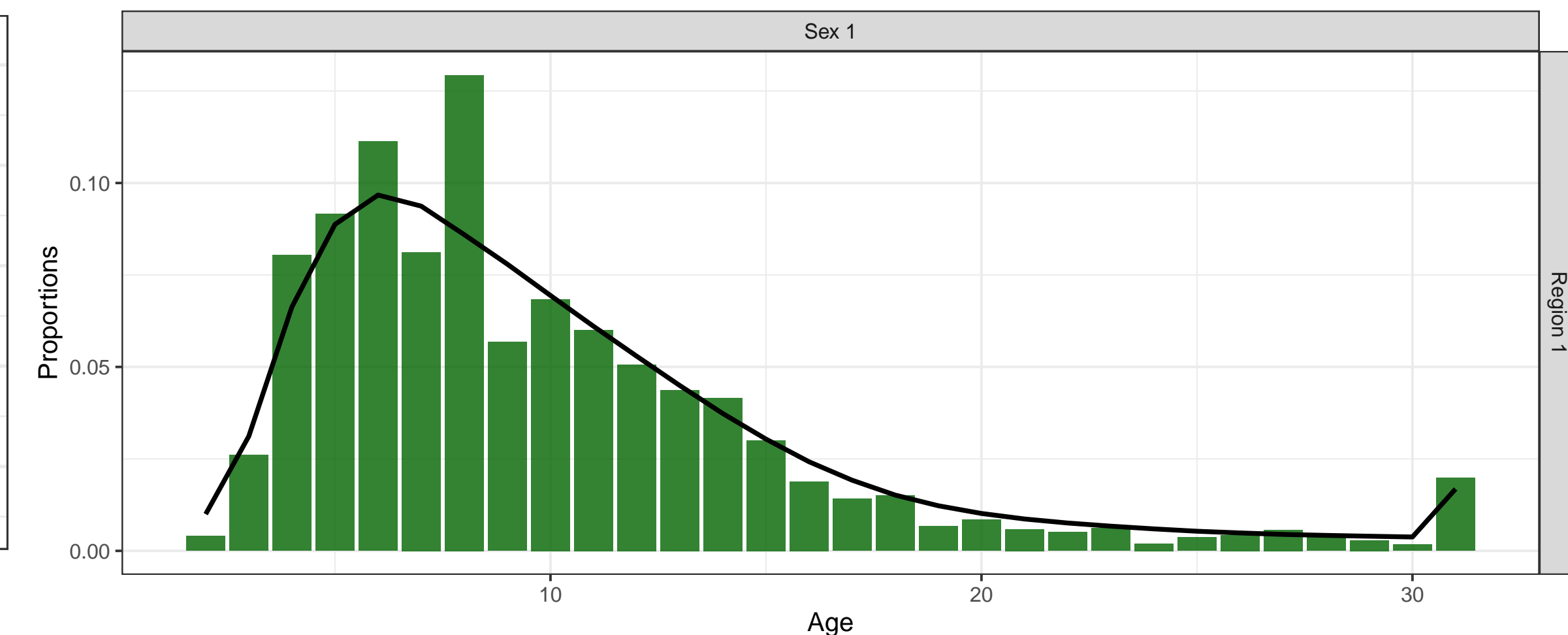
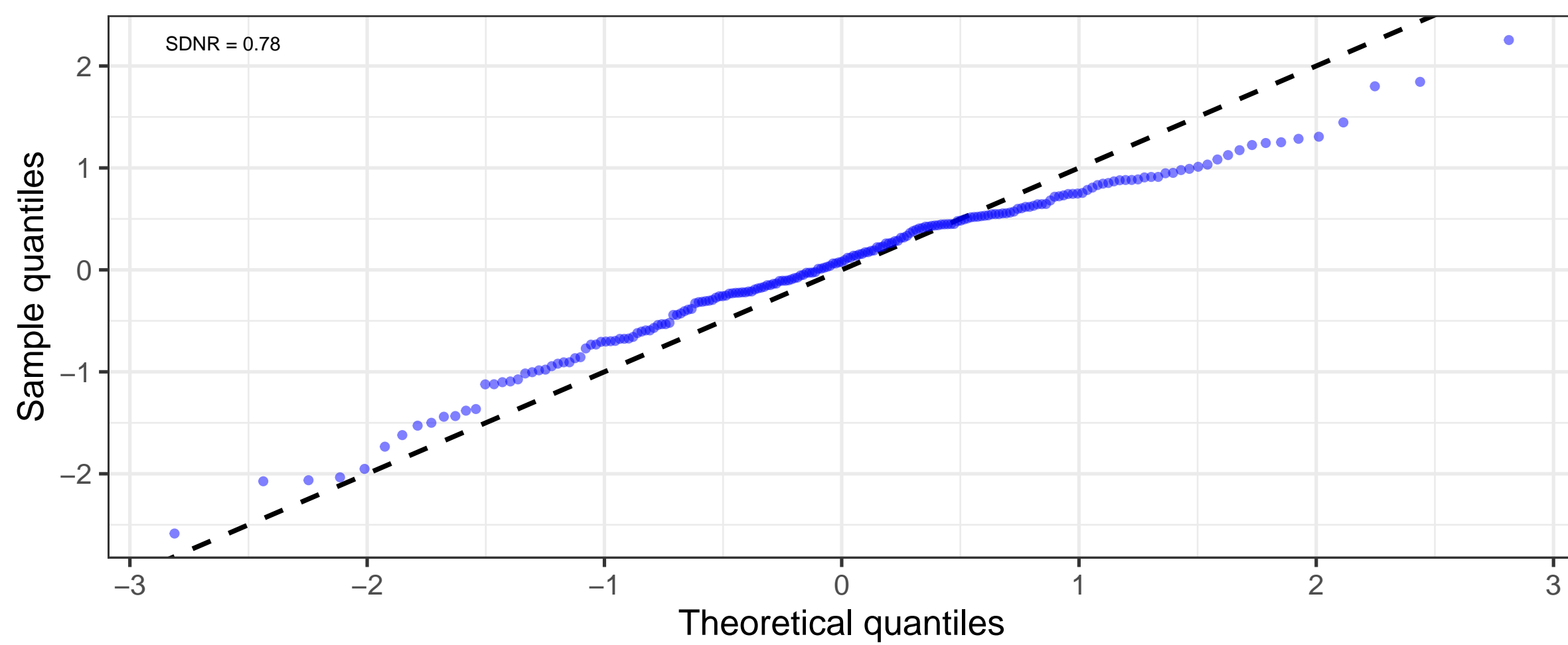
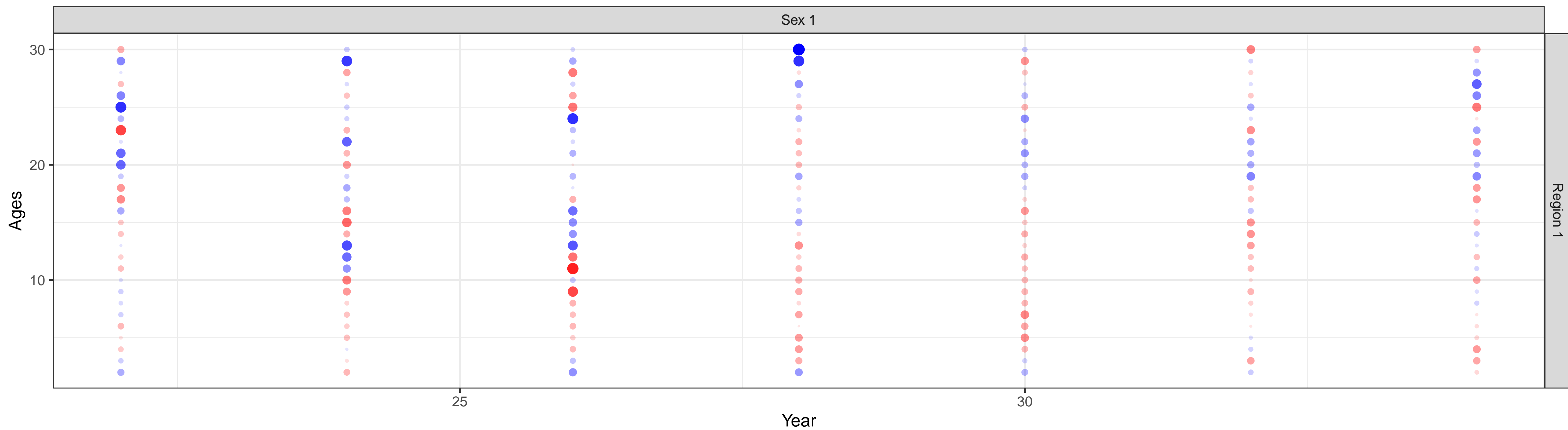


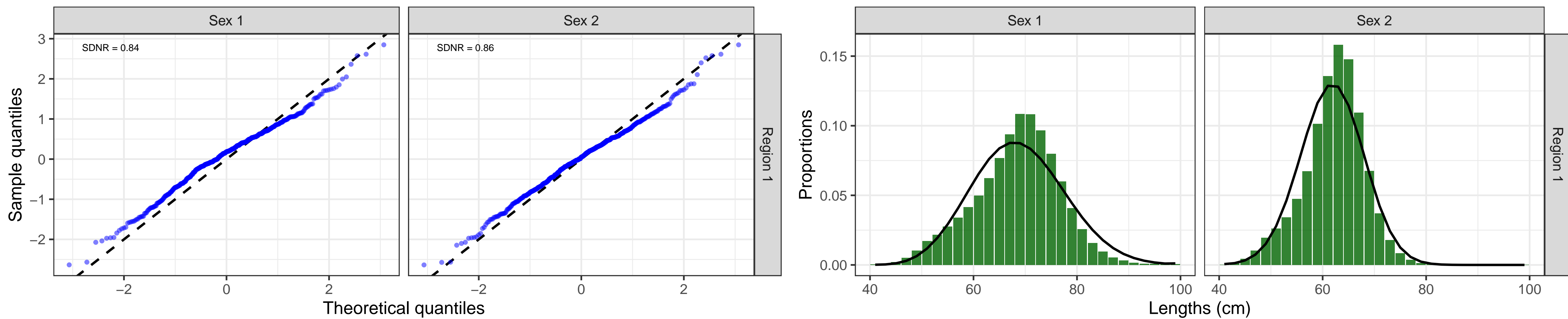
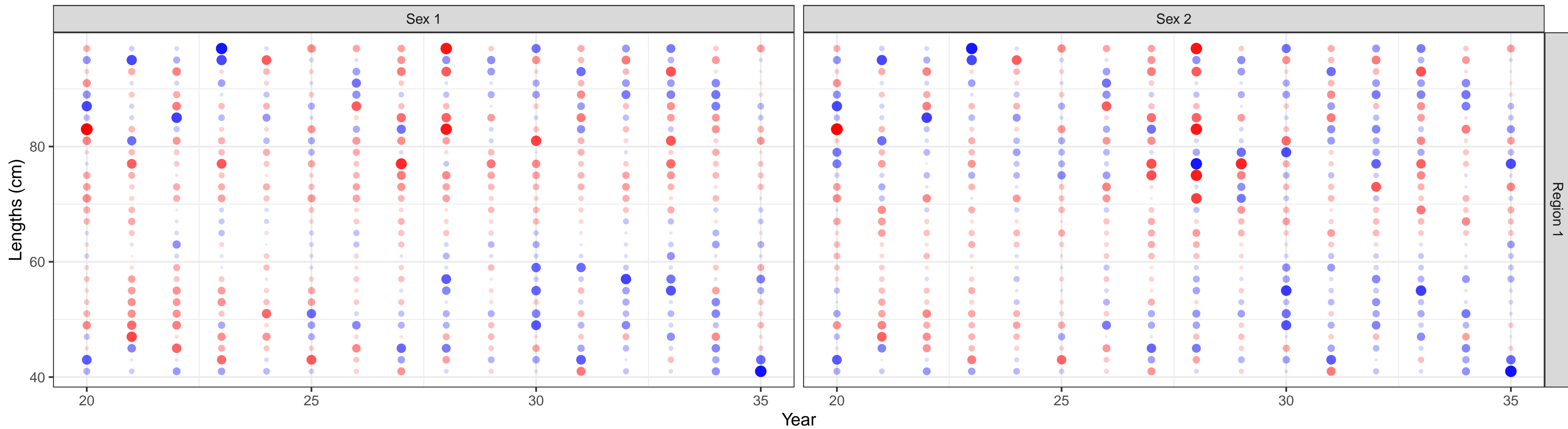




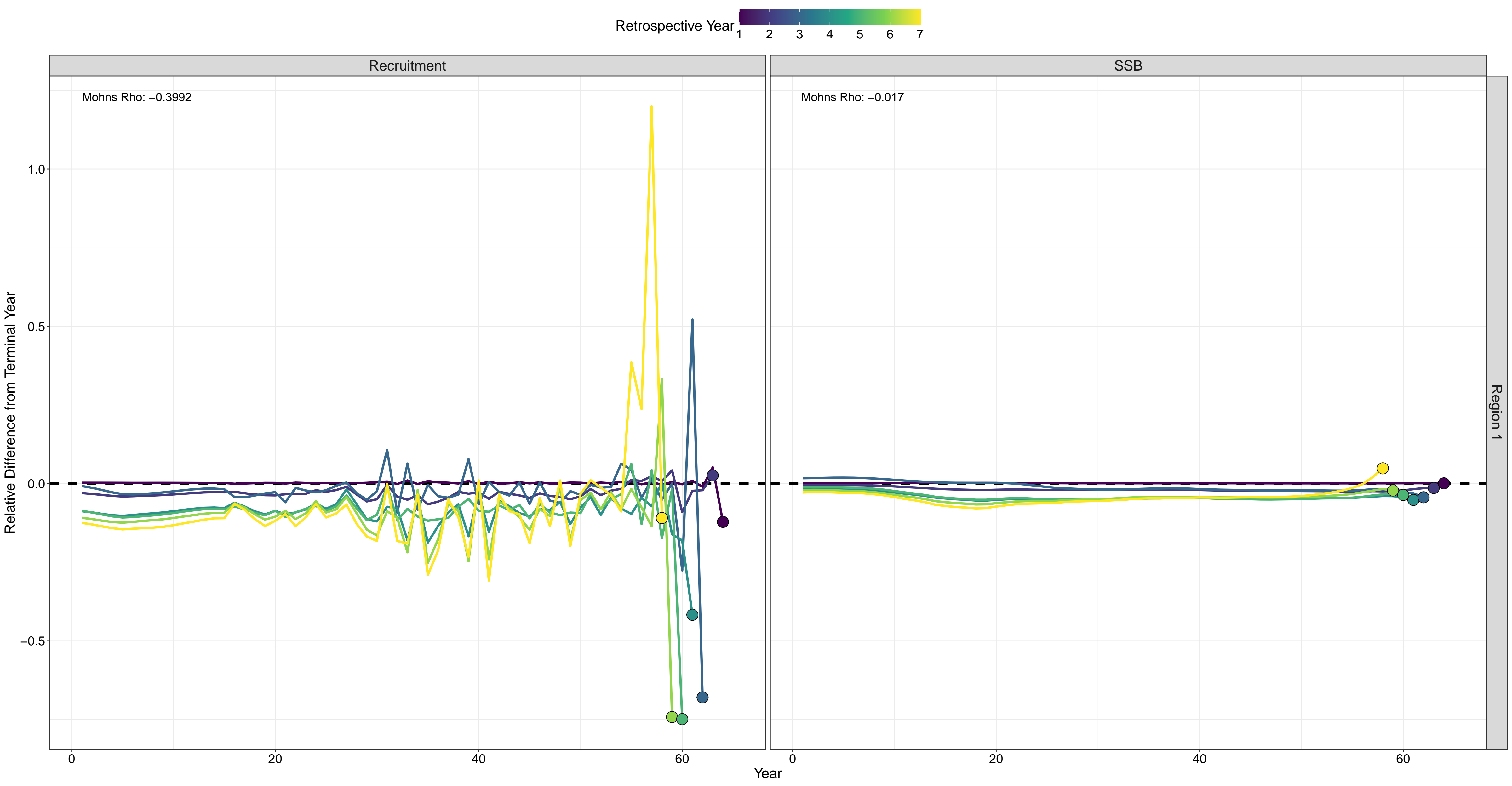


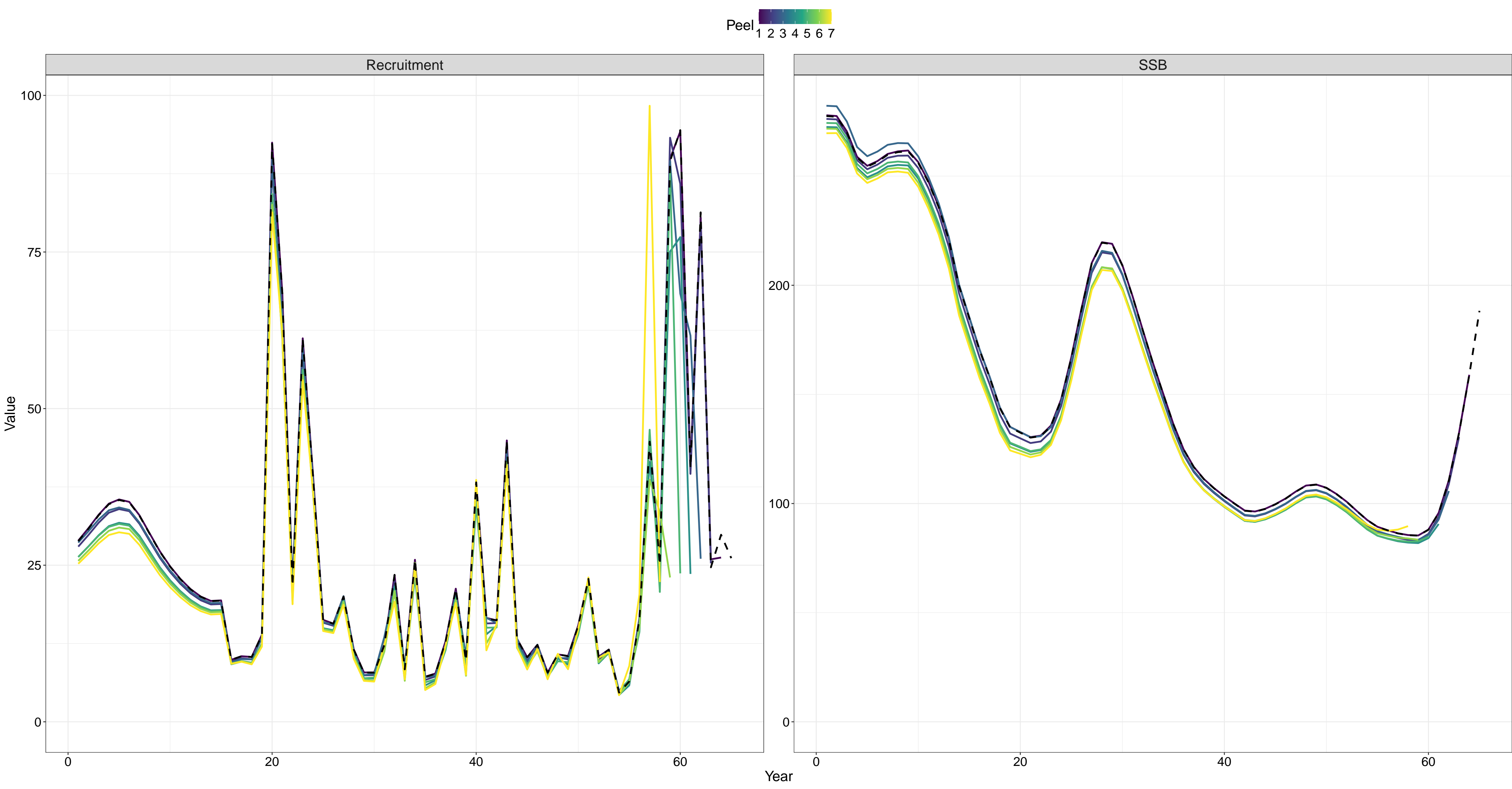
Sign • Neg • Pos    Outlier • No    abs(Resid) • 0.5 • 1.0 • 1.5 • 2.0 • 2.5

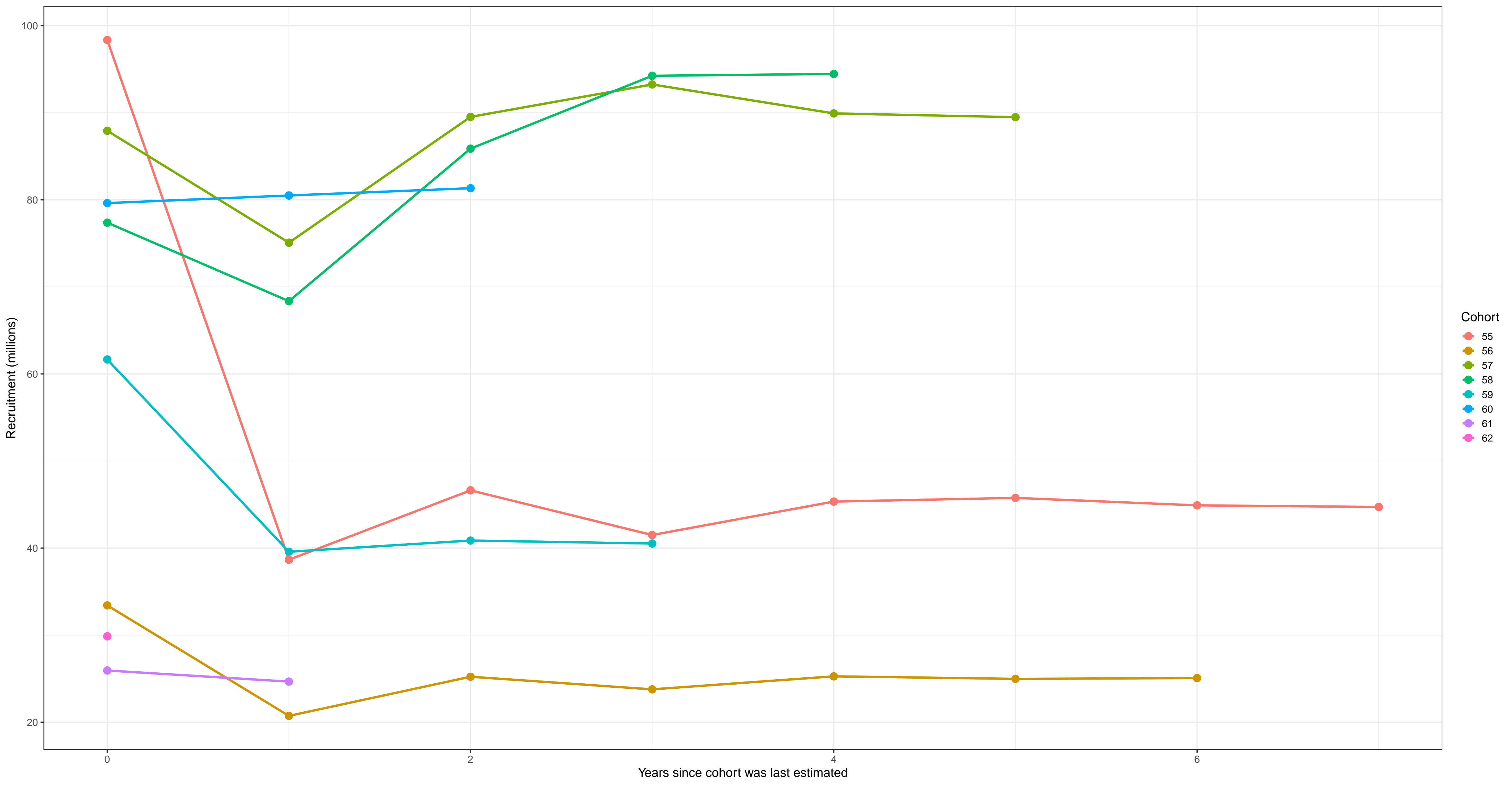




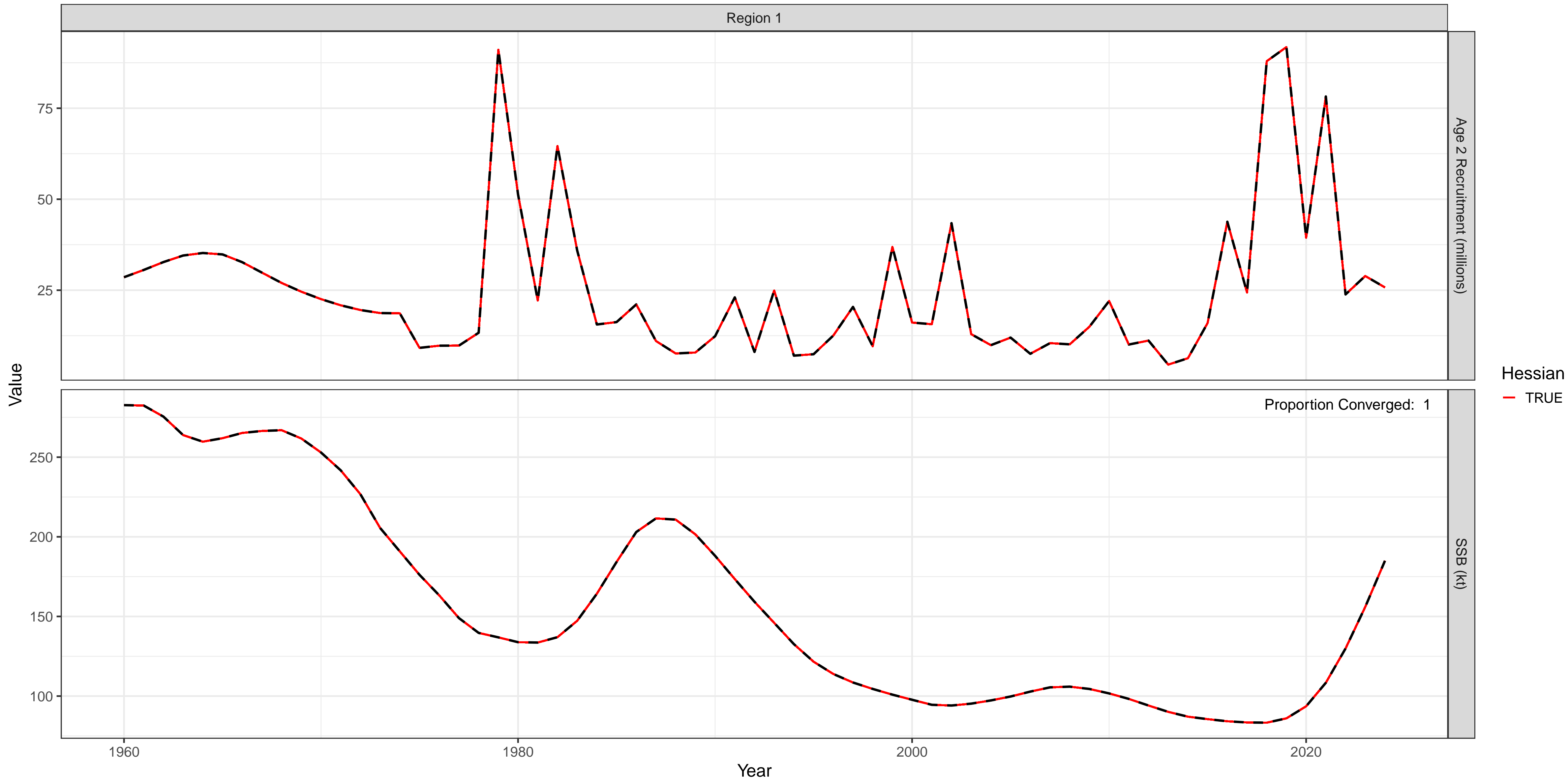




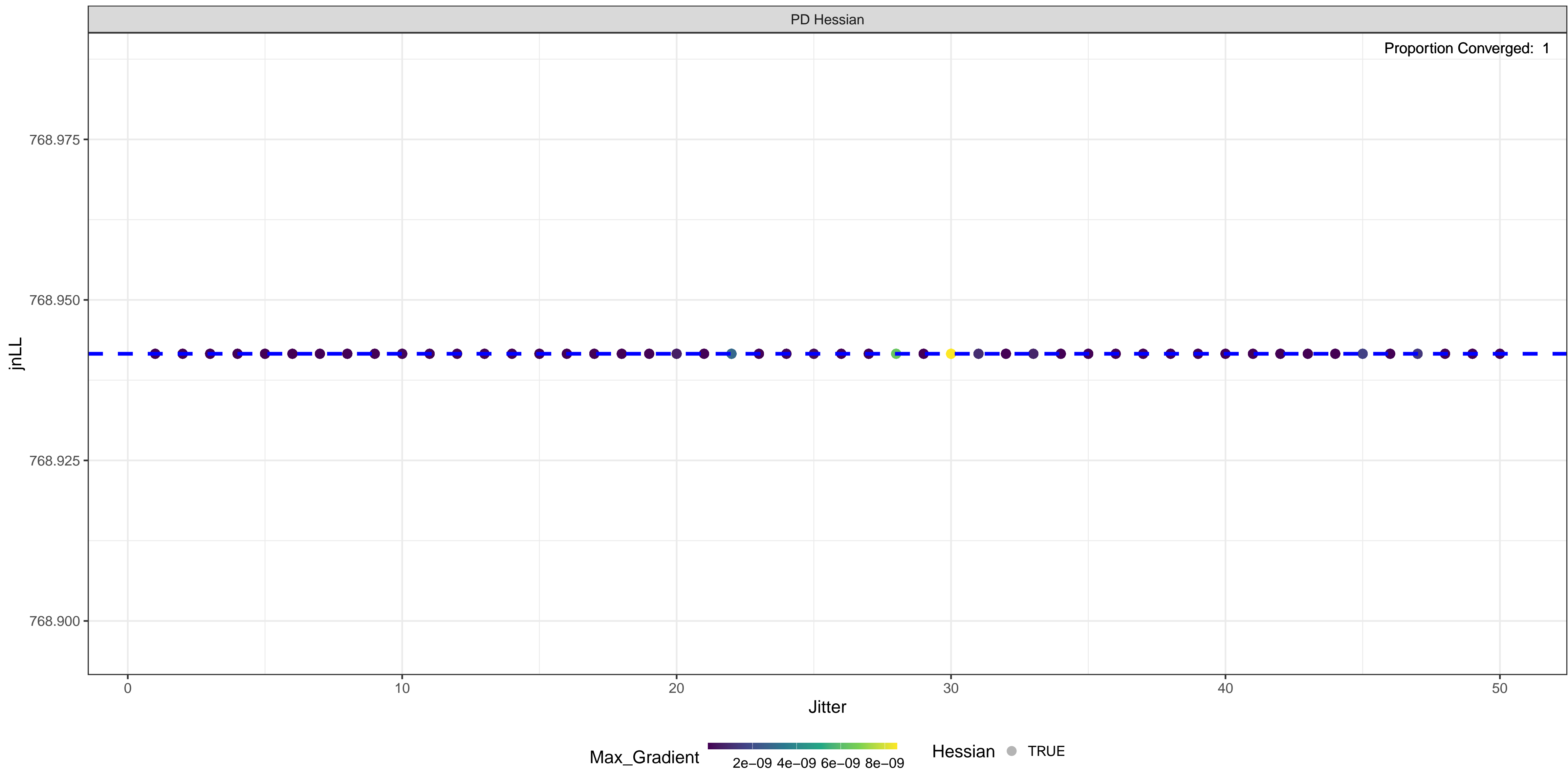




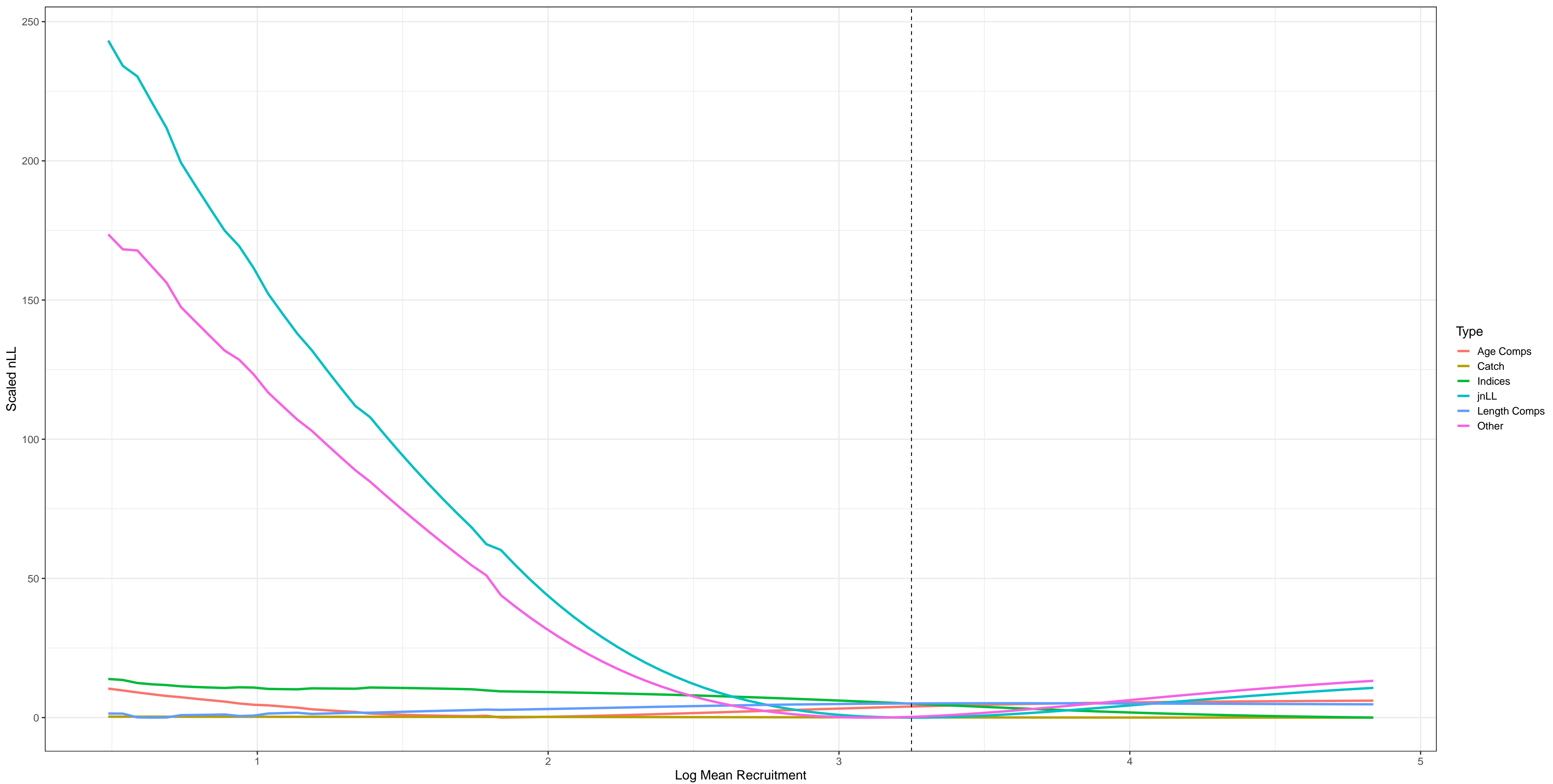
# Jitter SSB and Recruitment



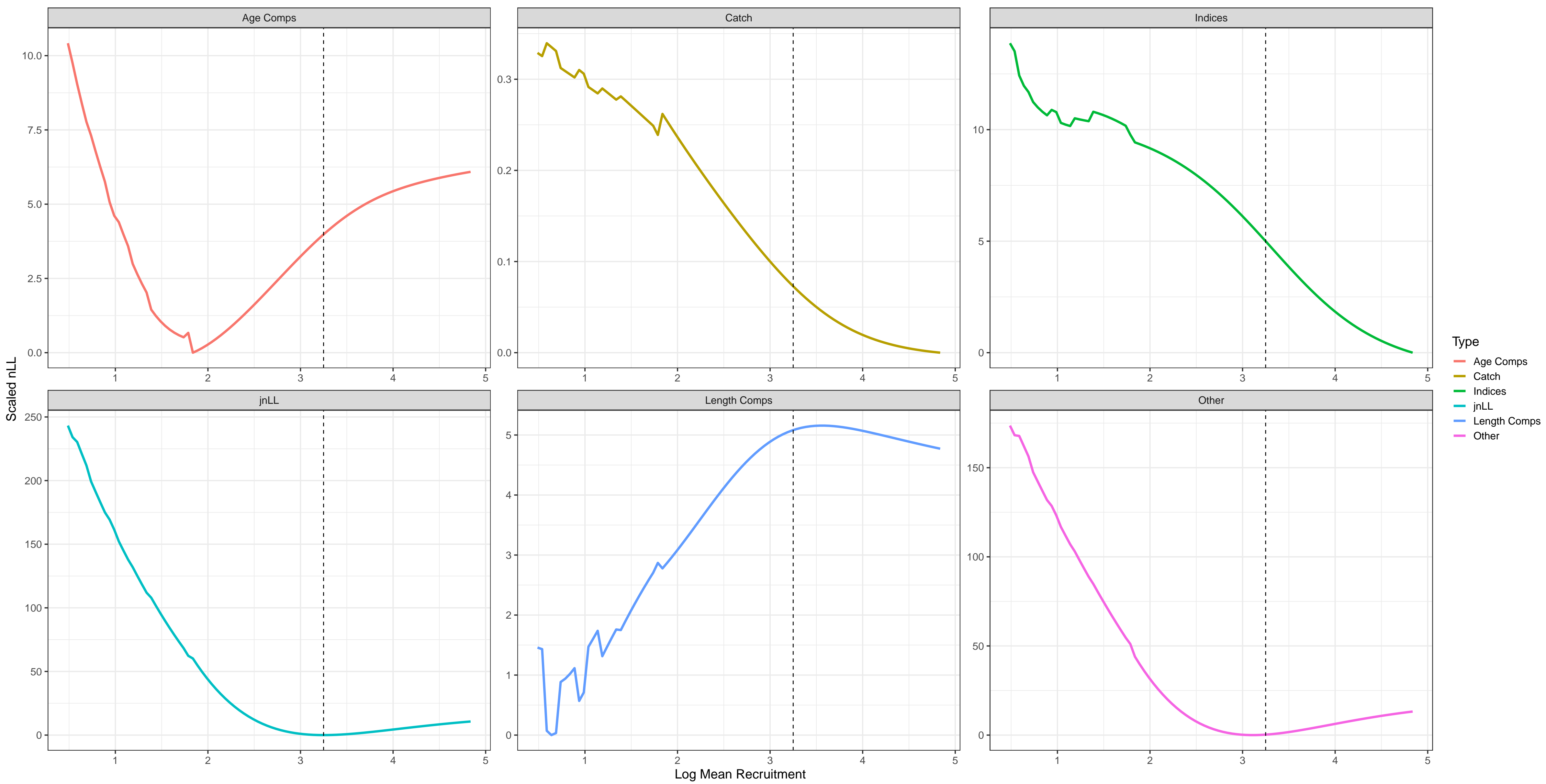
# Jitter nLL and Convergence



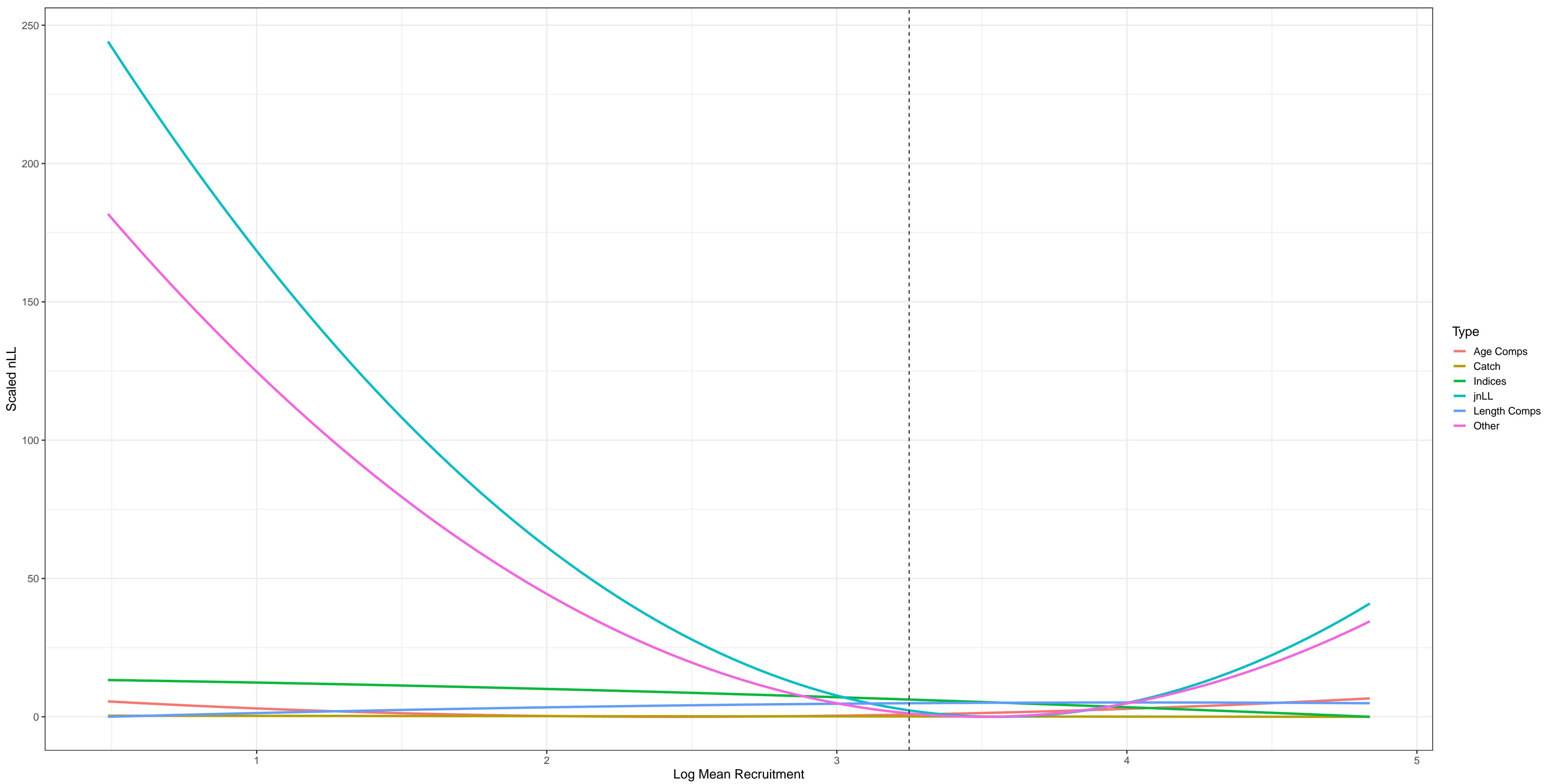
Profile Likelihood R0



Profile Likelihood R0

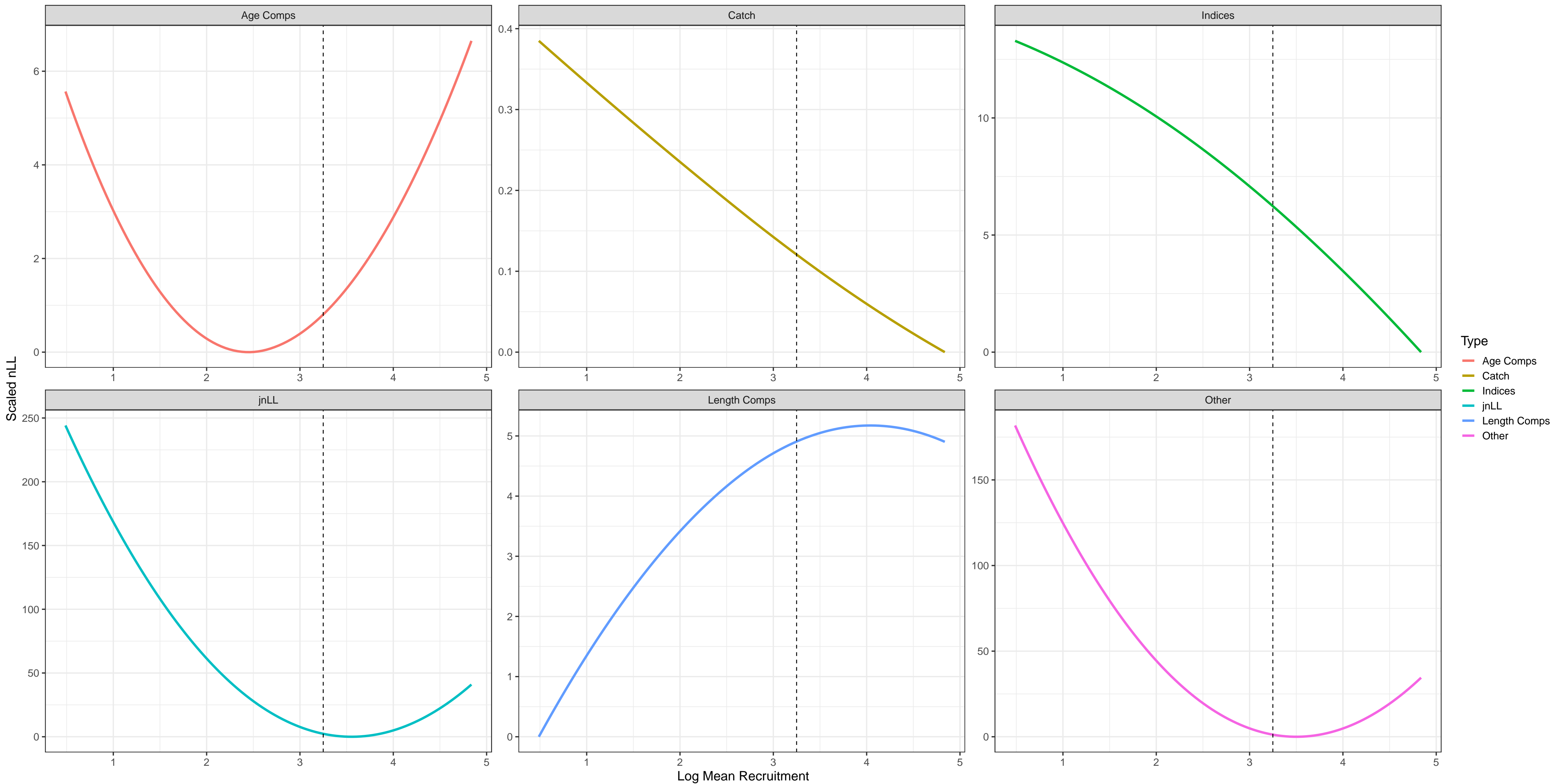


Profile Likelihood R0

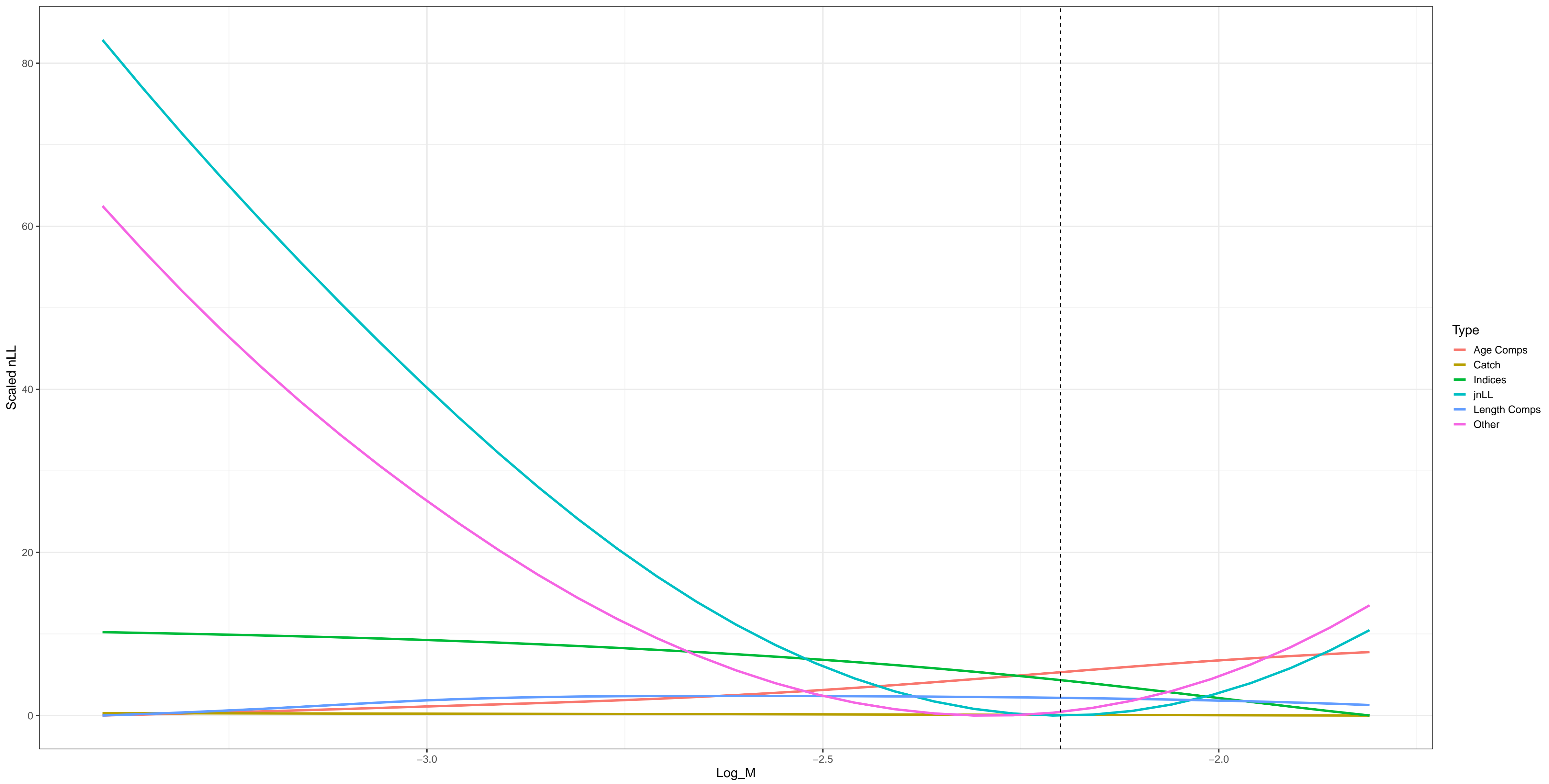




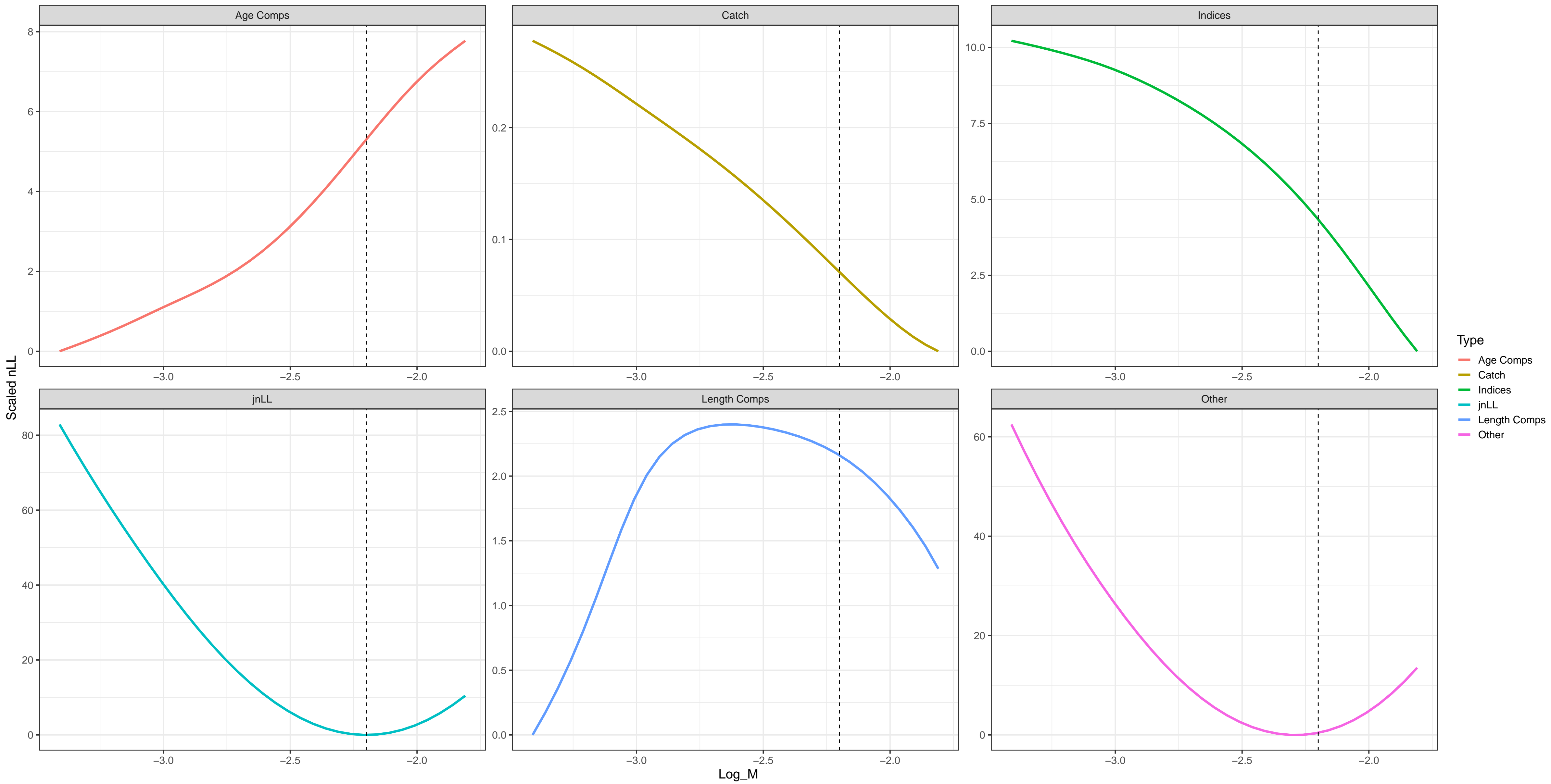
Profile Likelihood R0



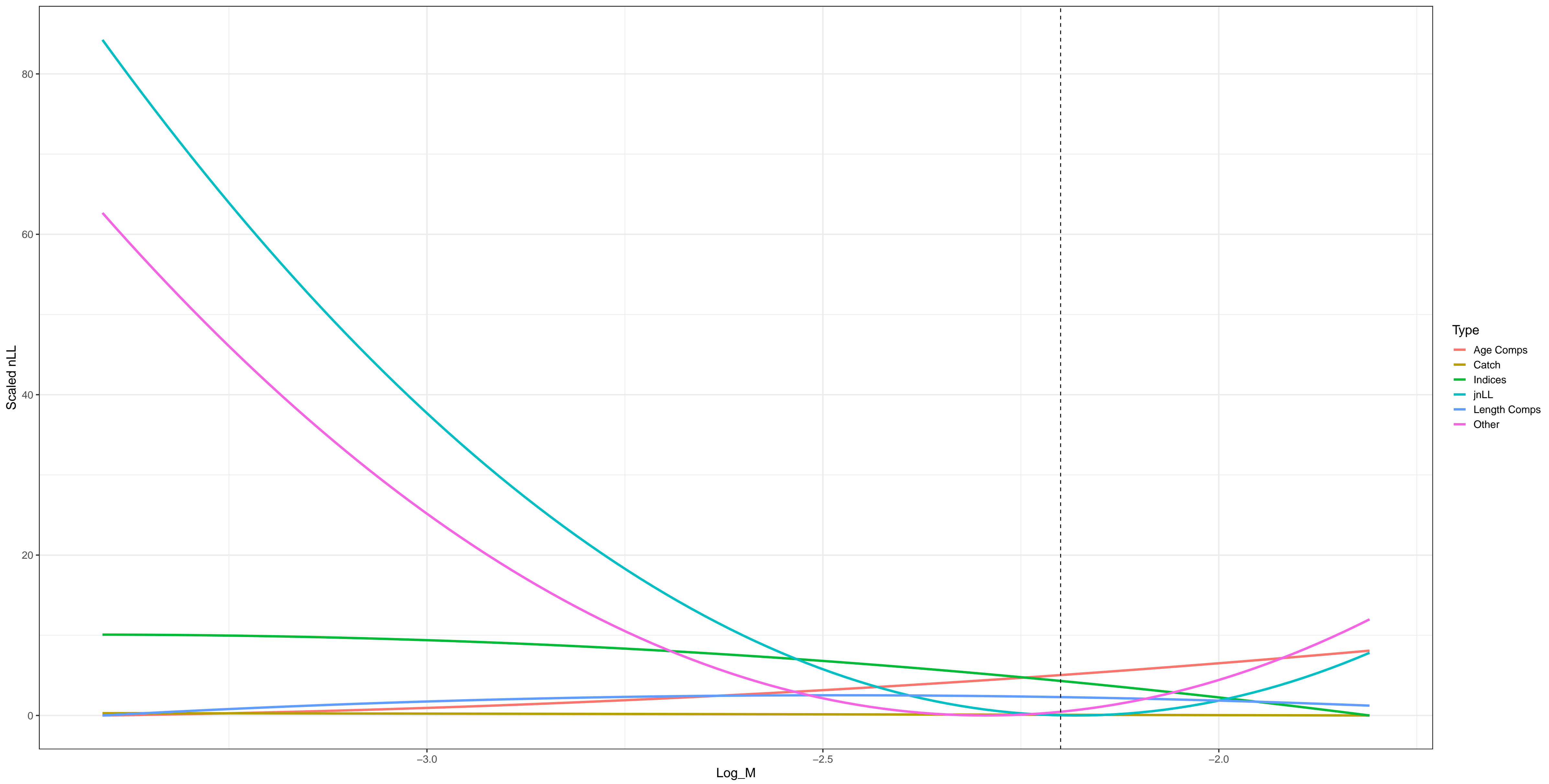
Profile Likelihood M



Profile Likelihood M



Profile Likelihood M



Profile Likelihood M

