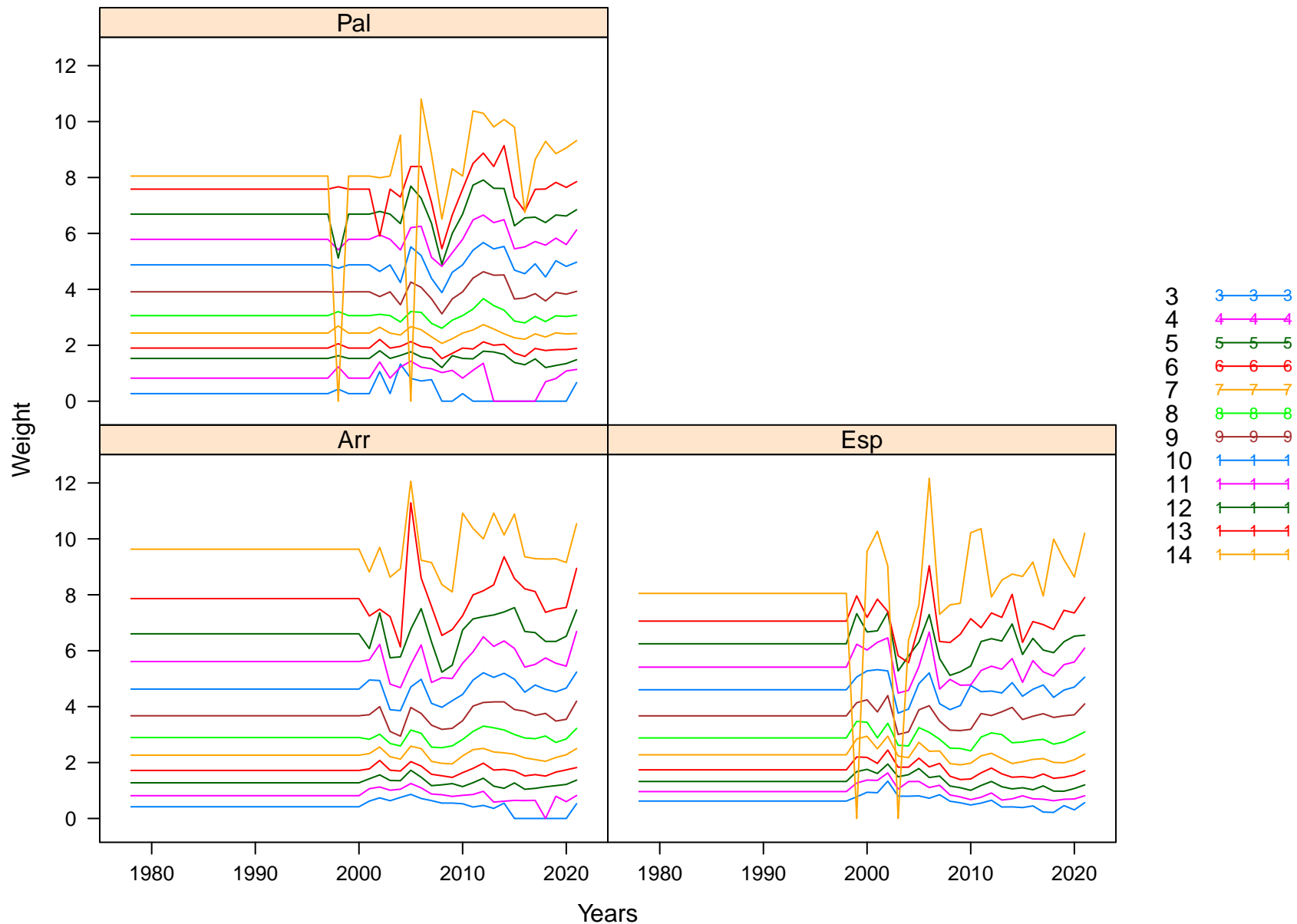
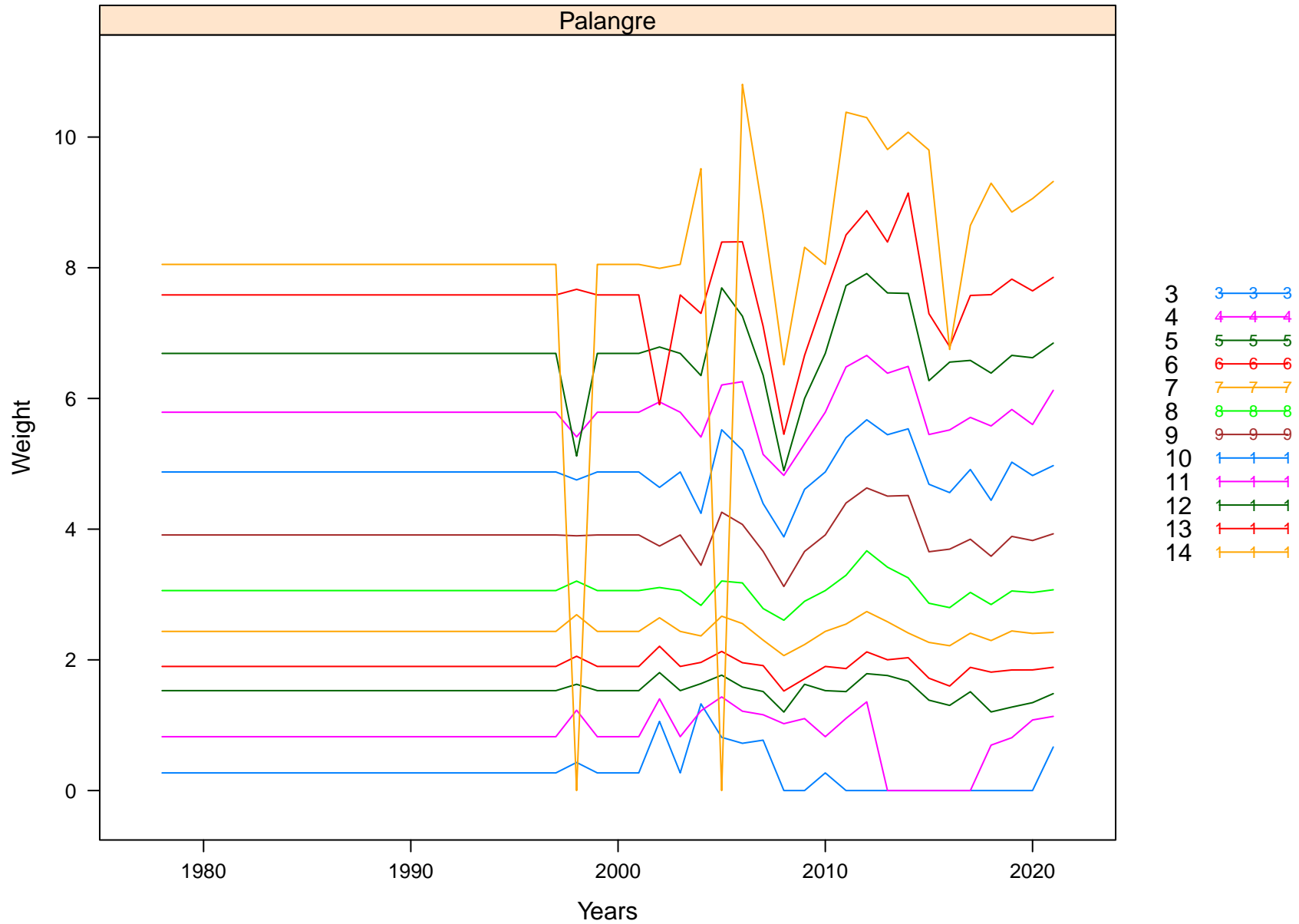


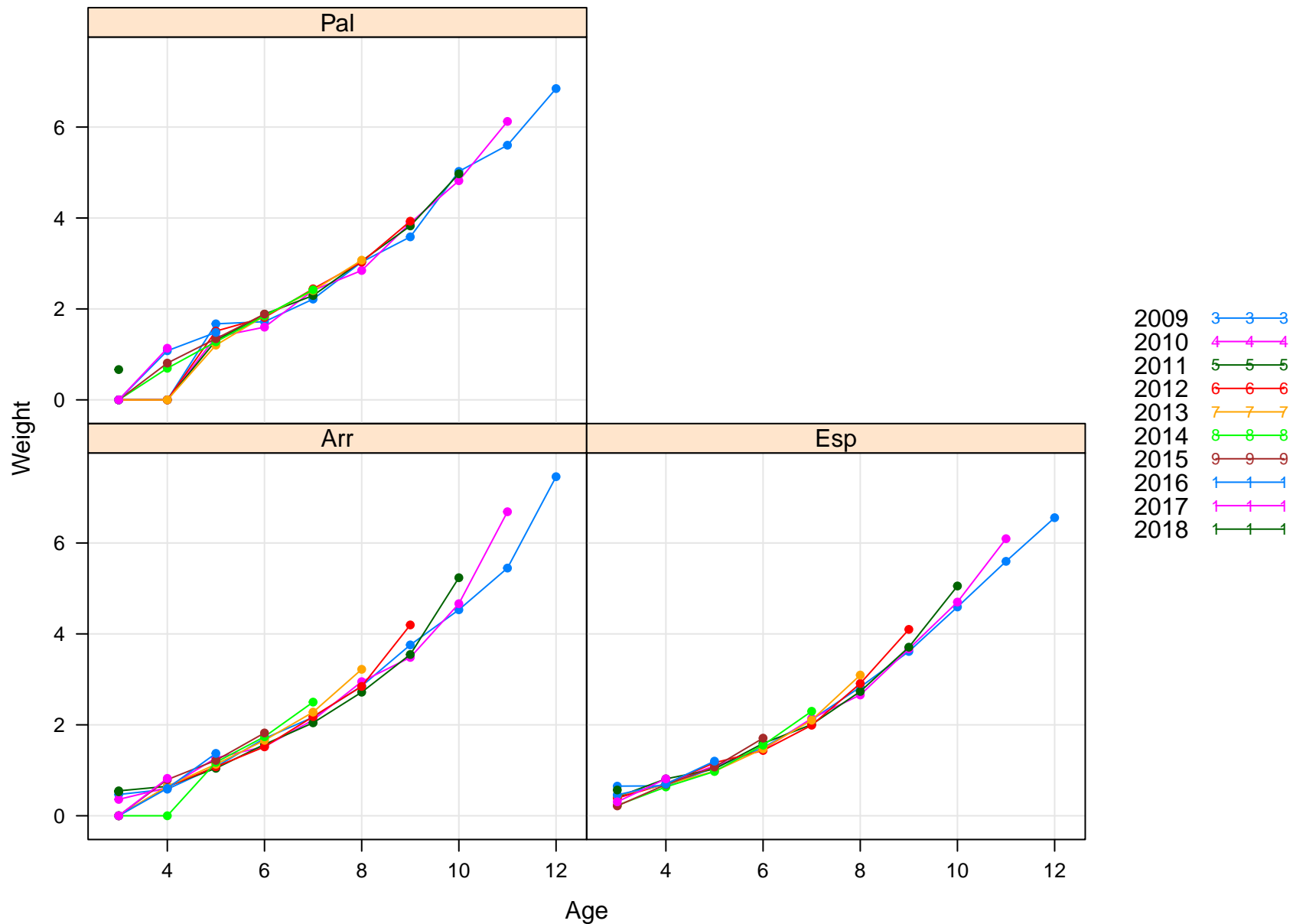
Weight at age in the fishery



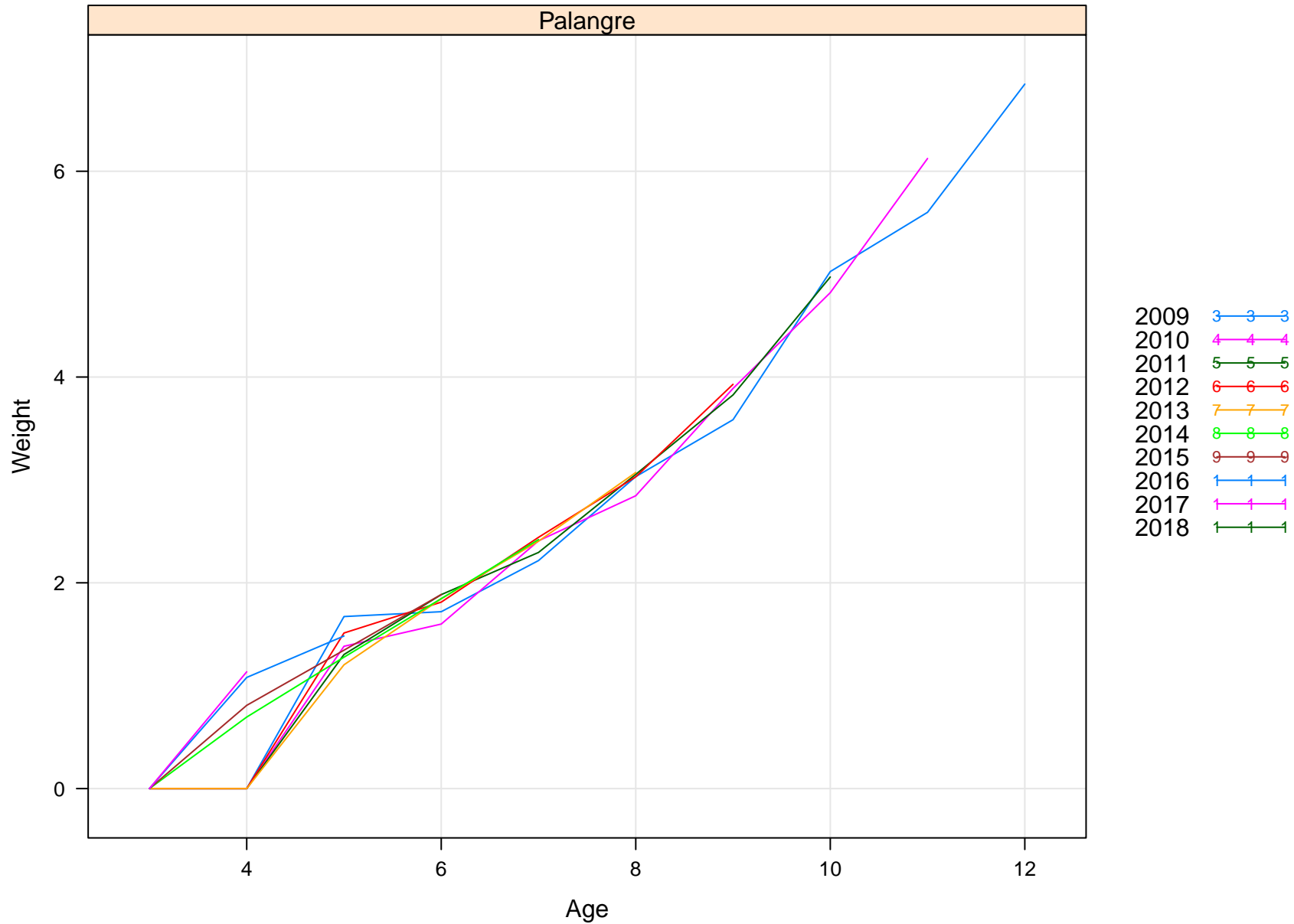
Weight at age in the survey



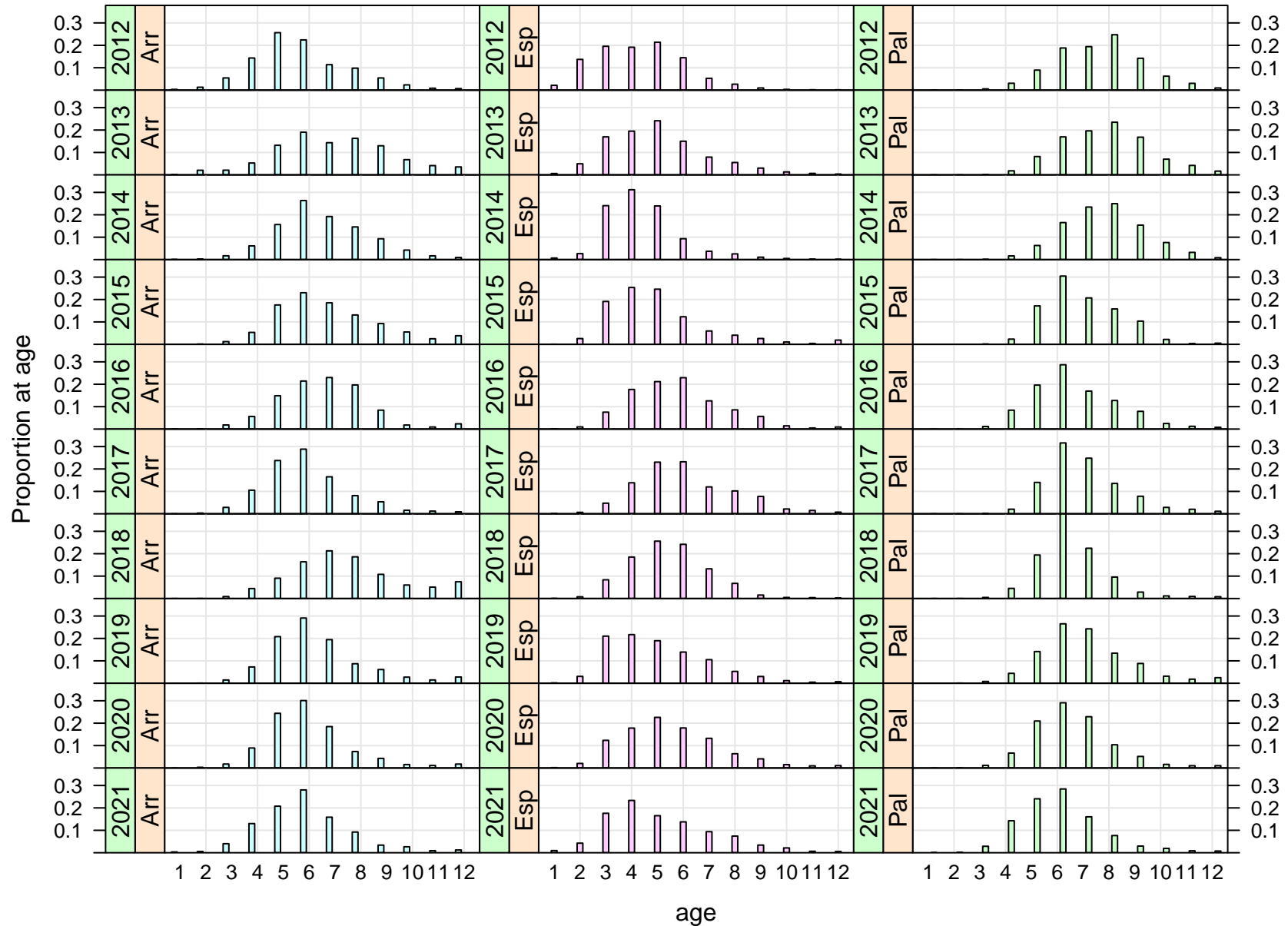
Weight at age by cohort in the fleet



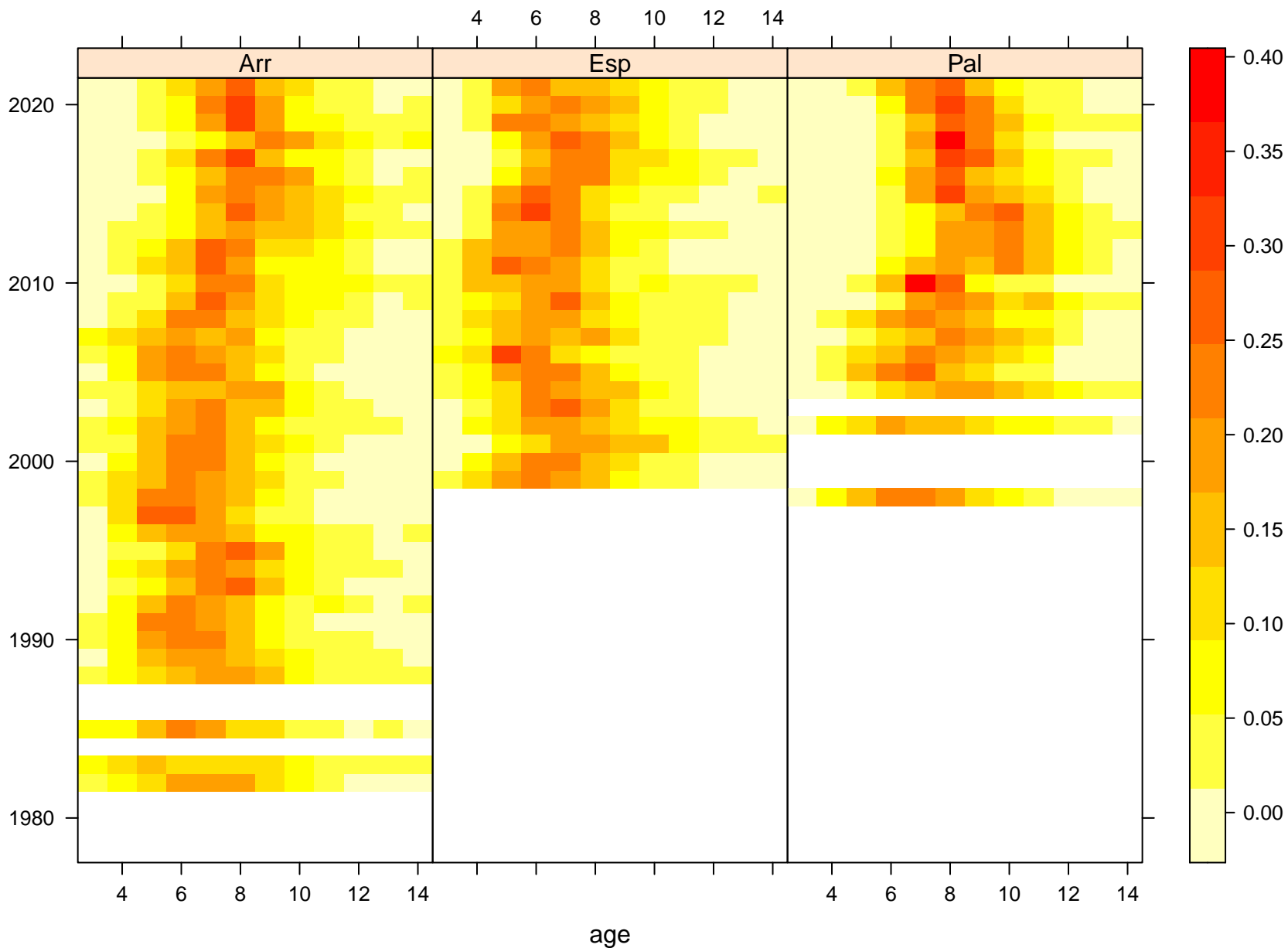
Weight at age by cohort in the survey



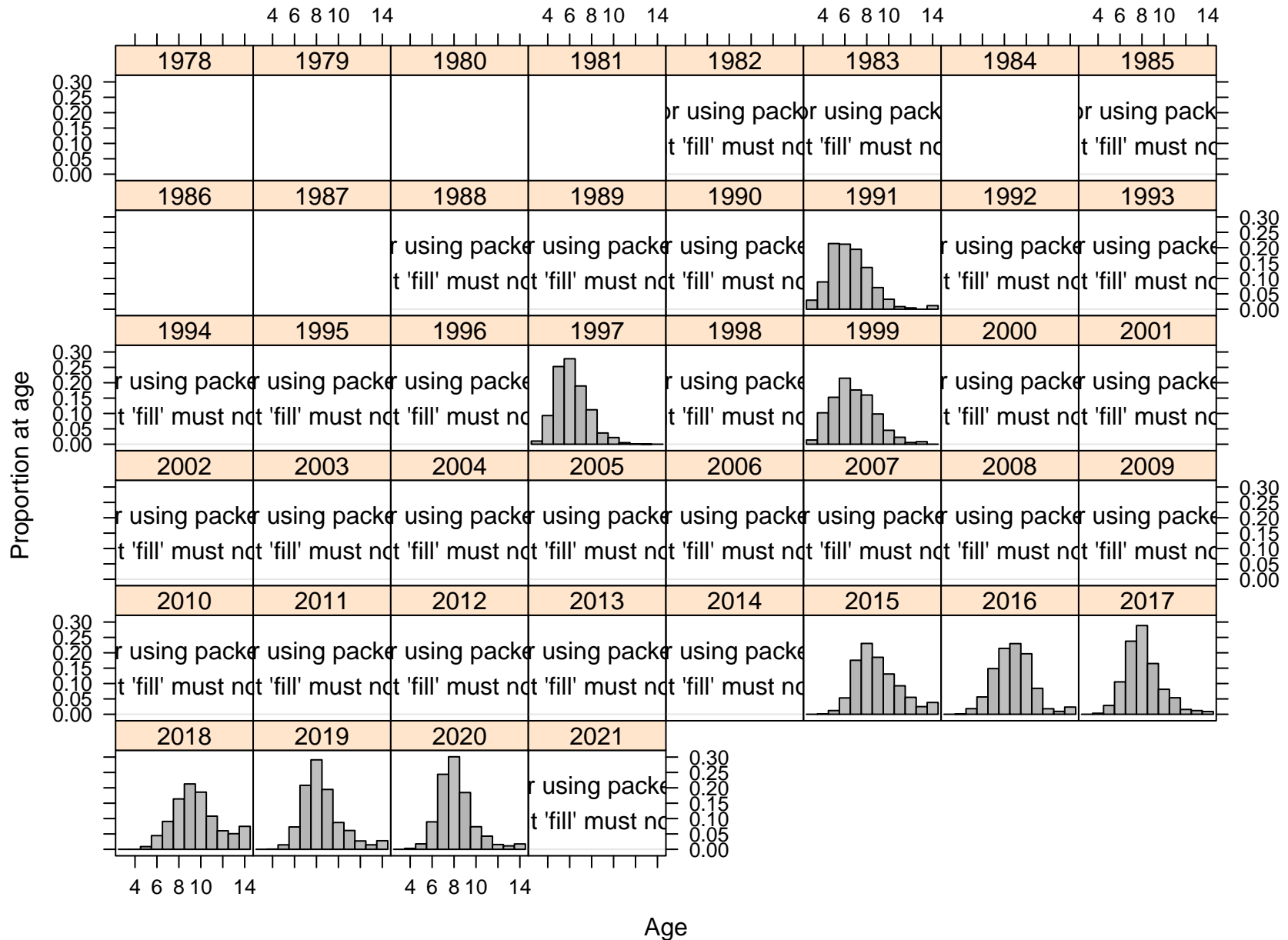
Age composition in fleets



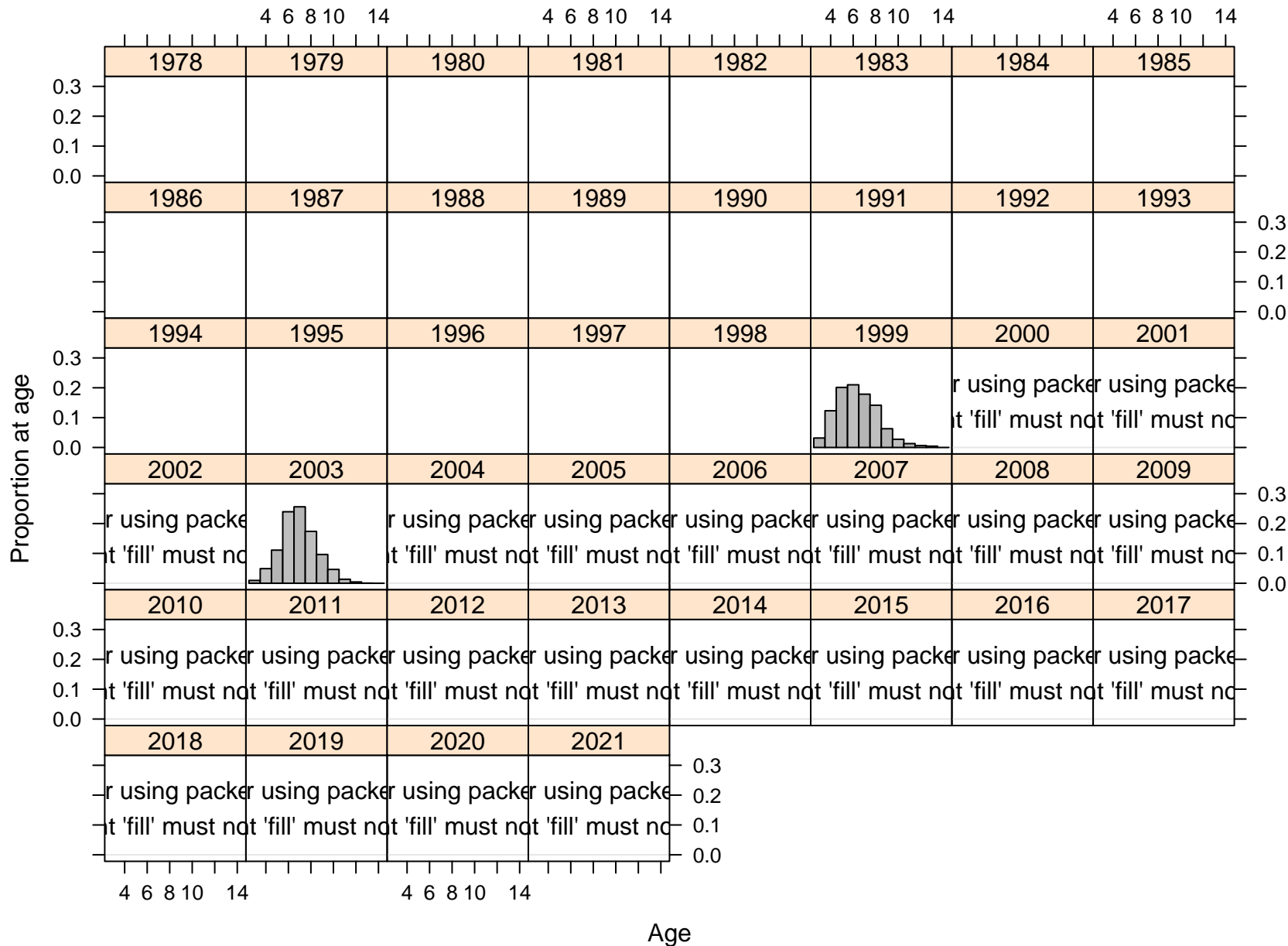
Age composition in fleets



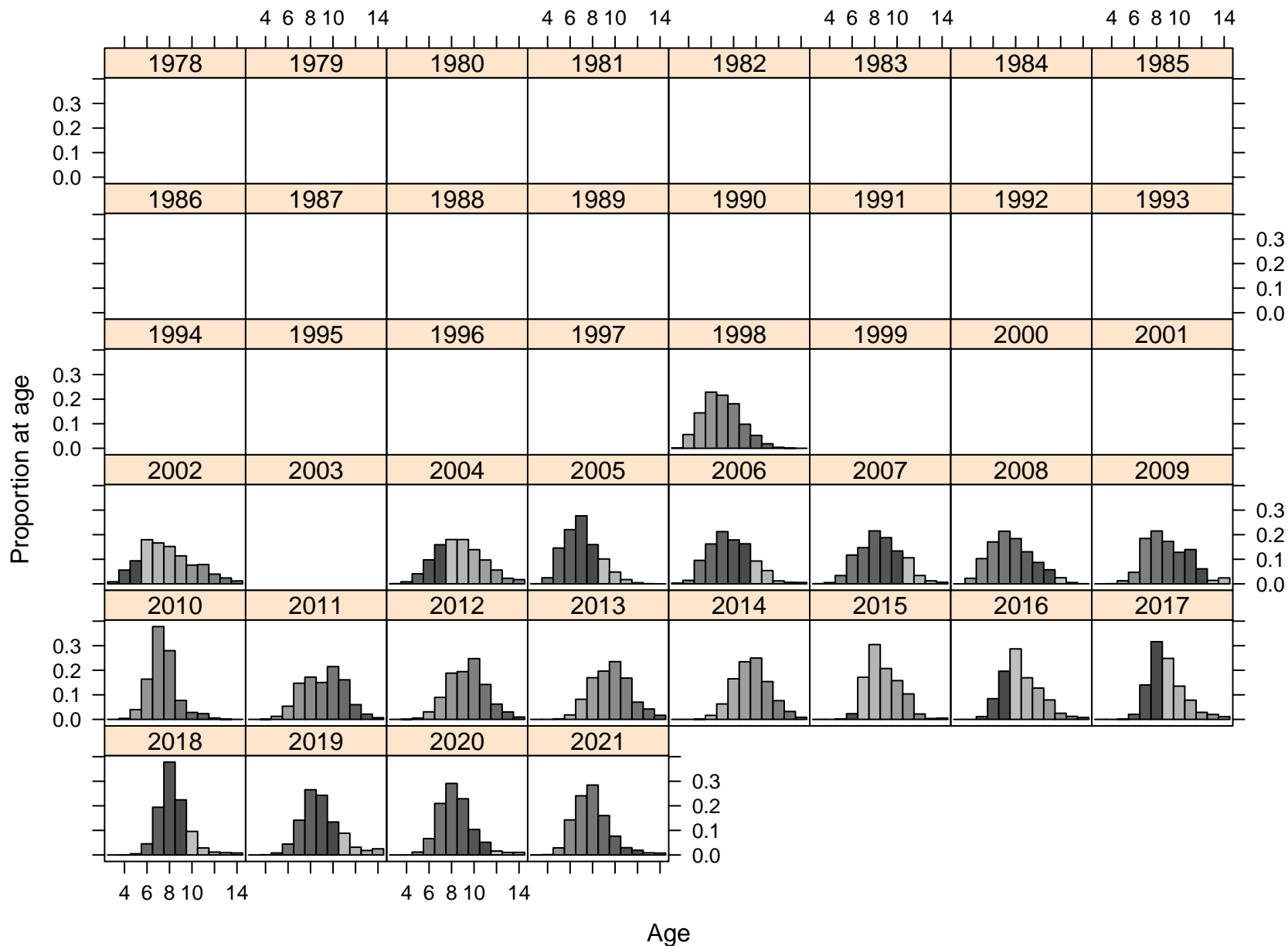
Age composition in fleets Arr



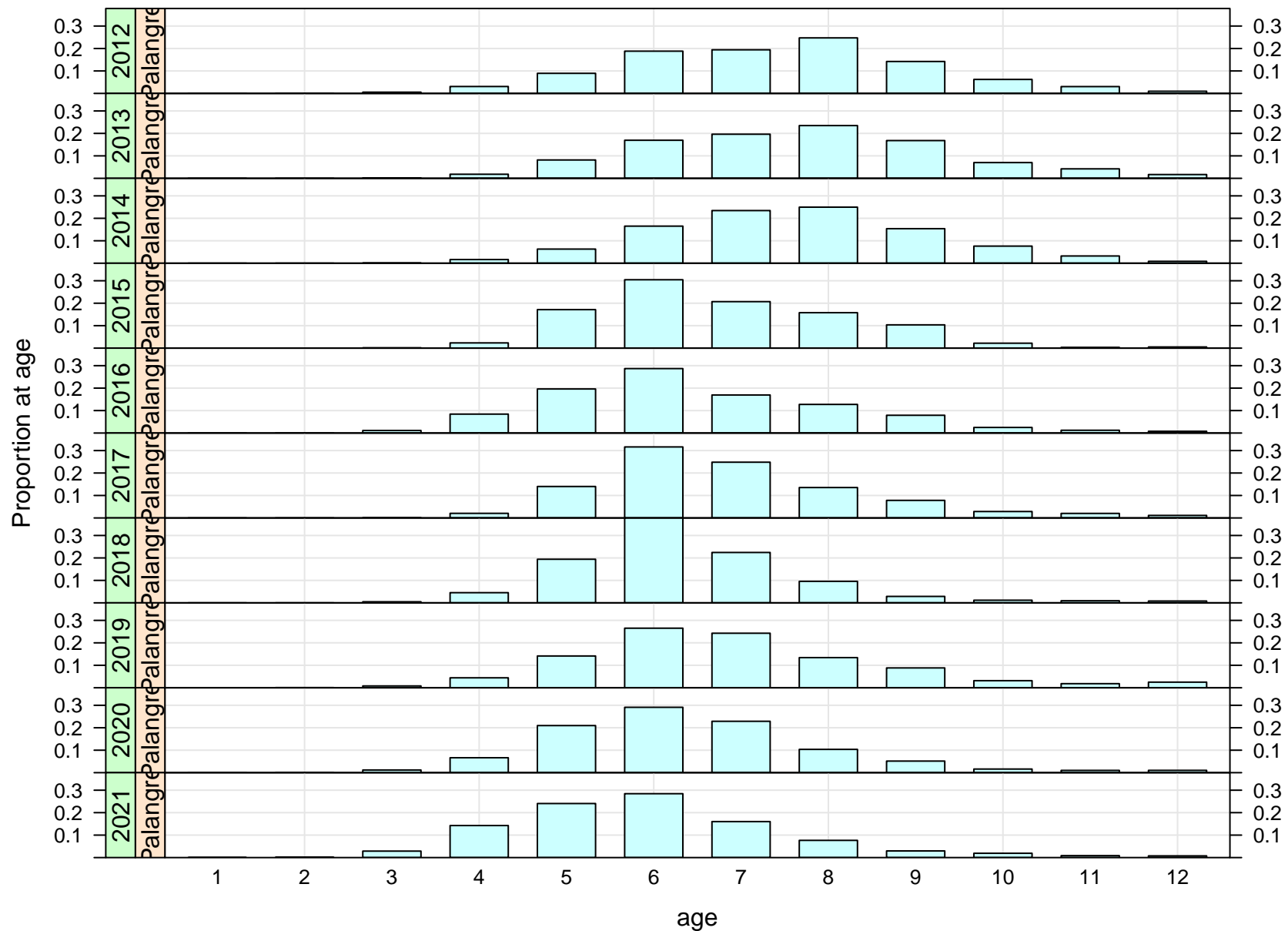
Age composition in fleets Esp



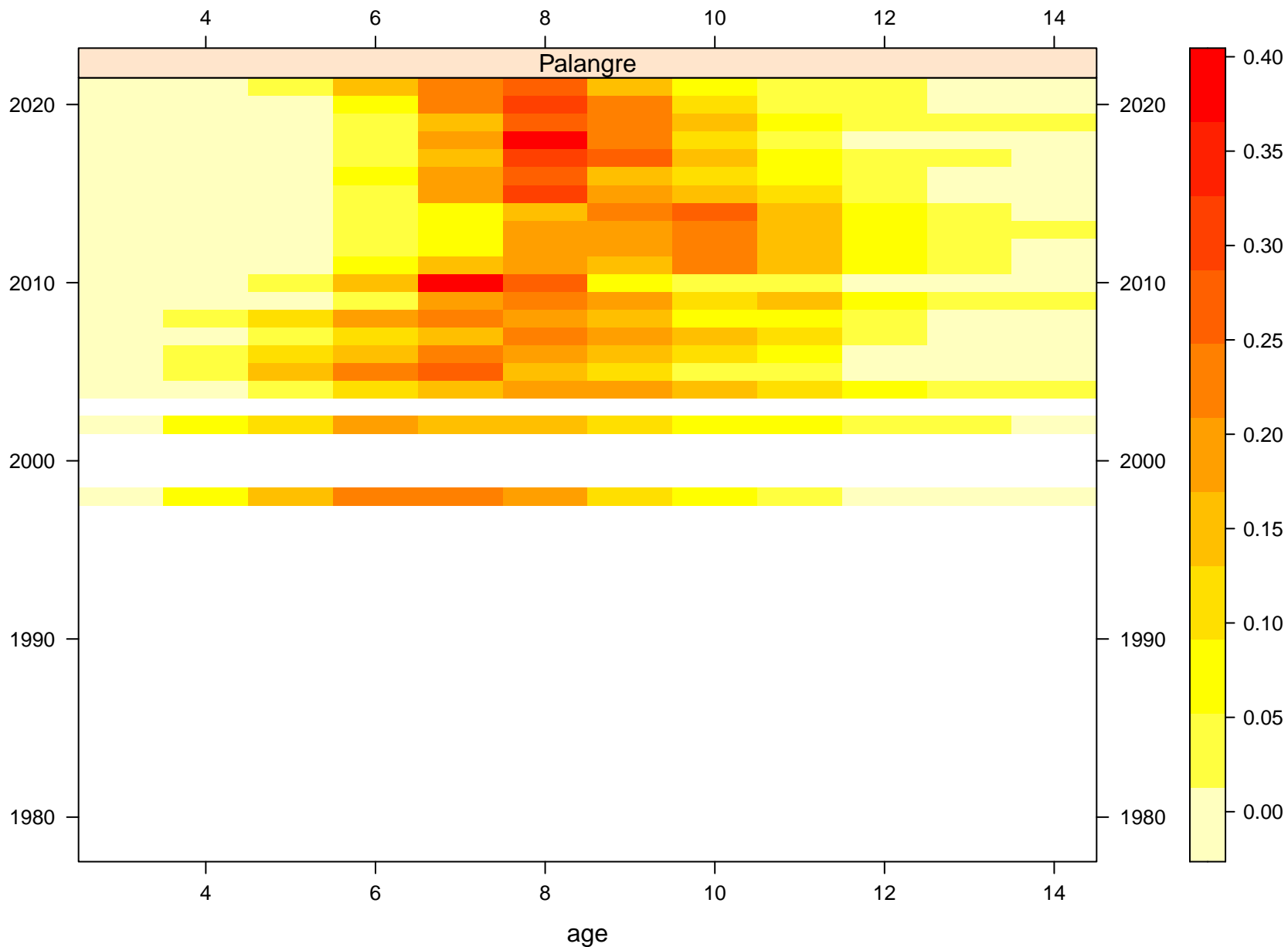
Age composition in fleets Pal



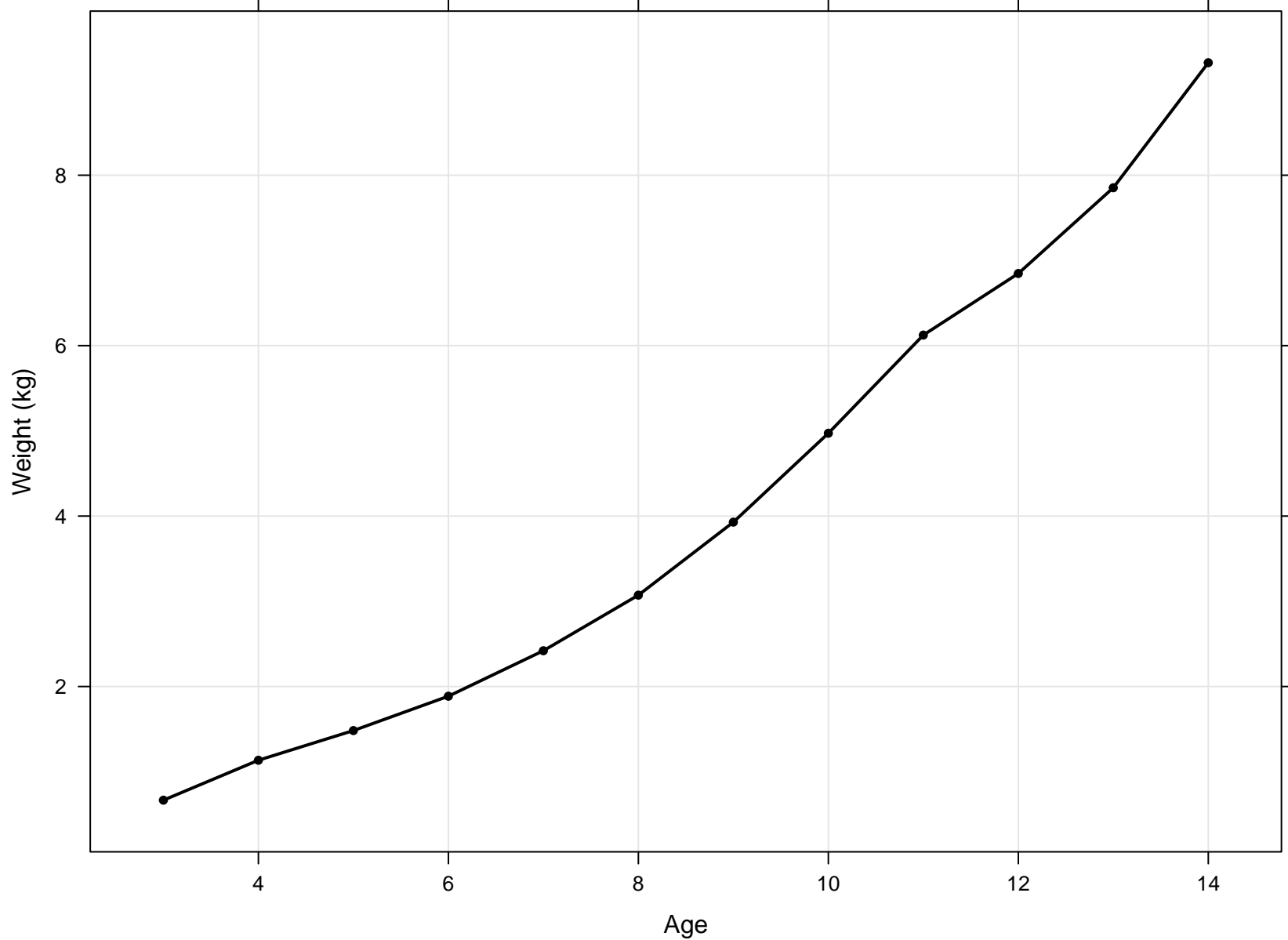
Age composition in surveys



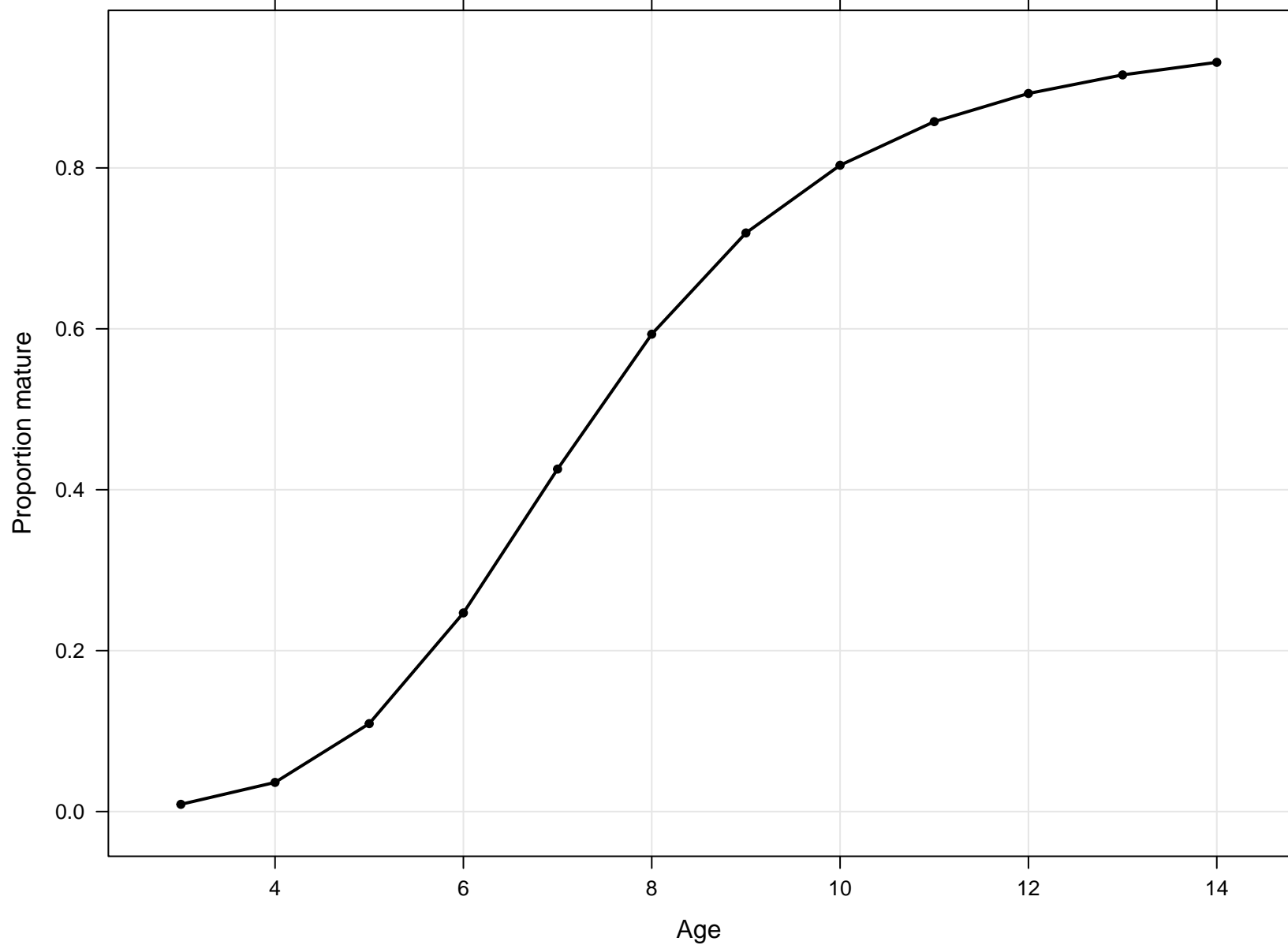
Age composition in surveys



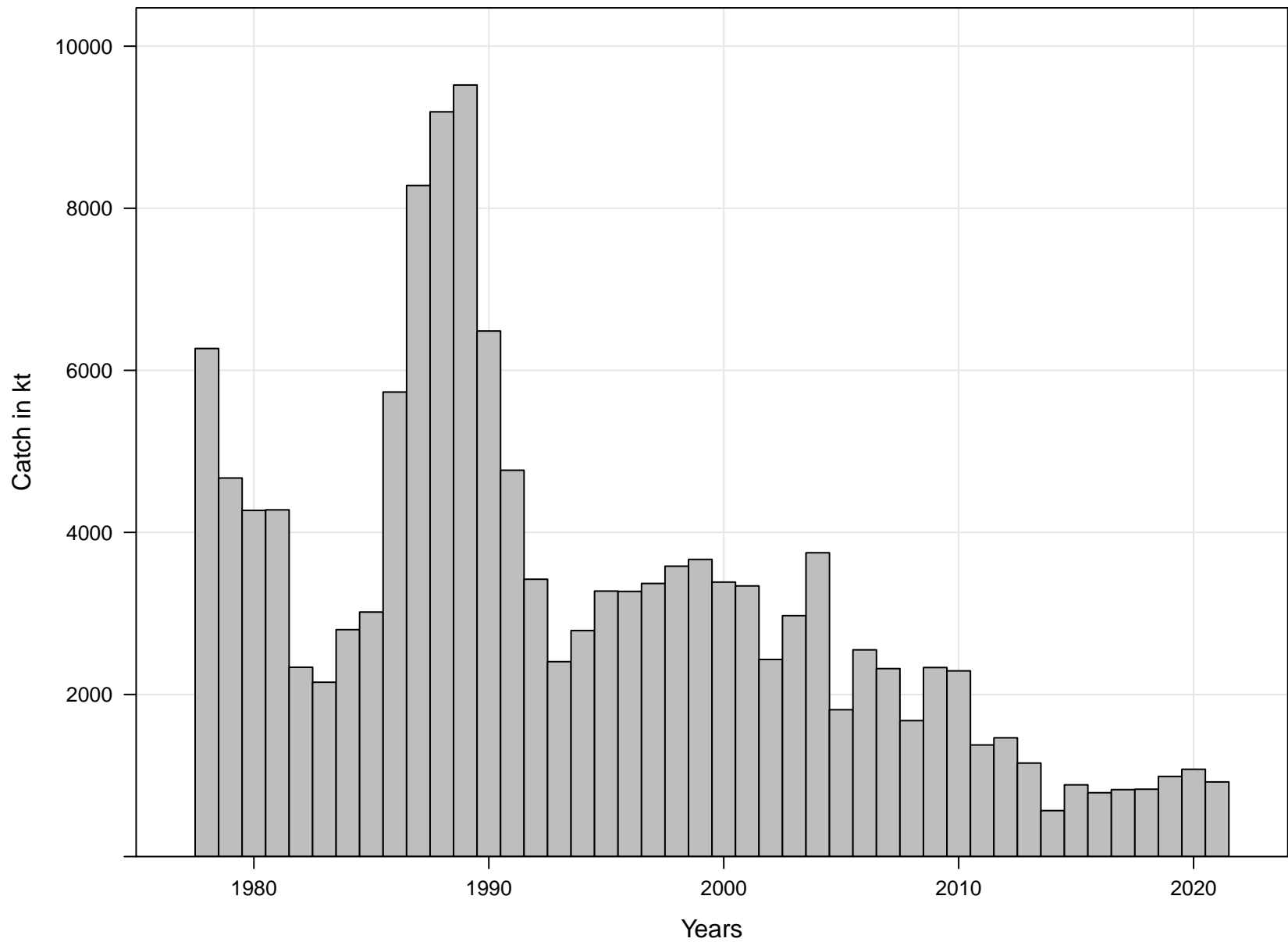
Weight in the stock



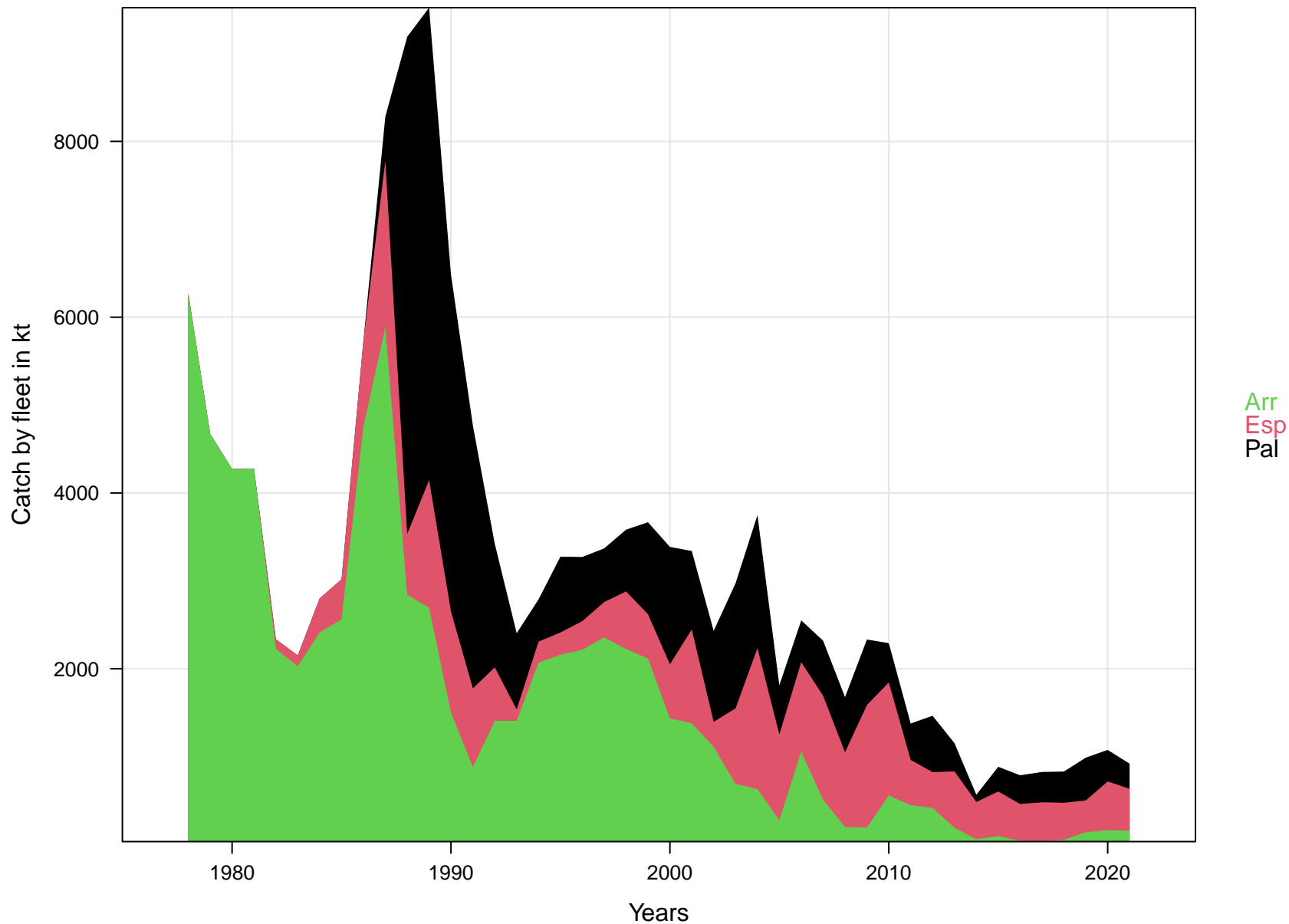
Maturity in the stock



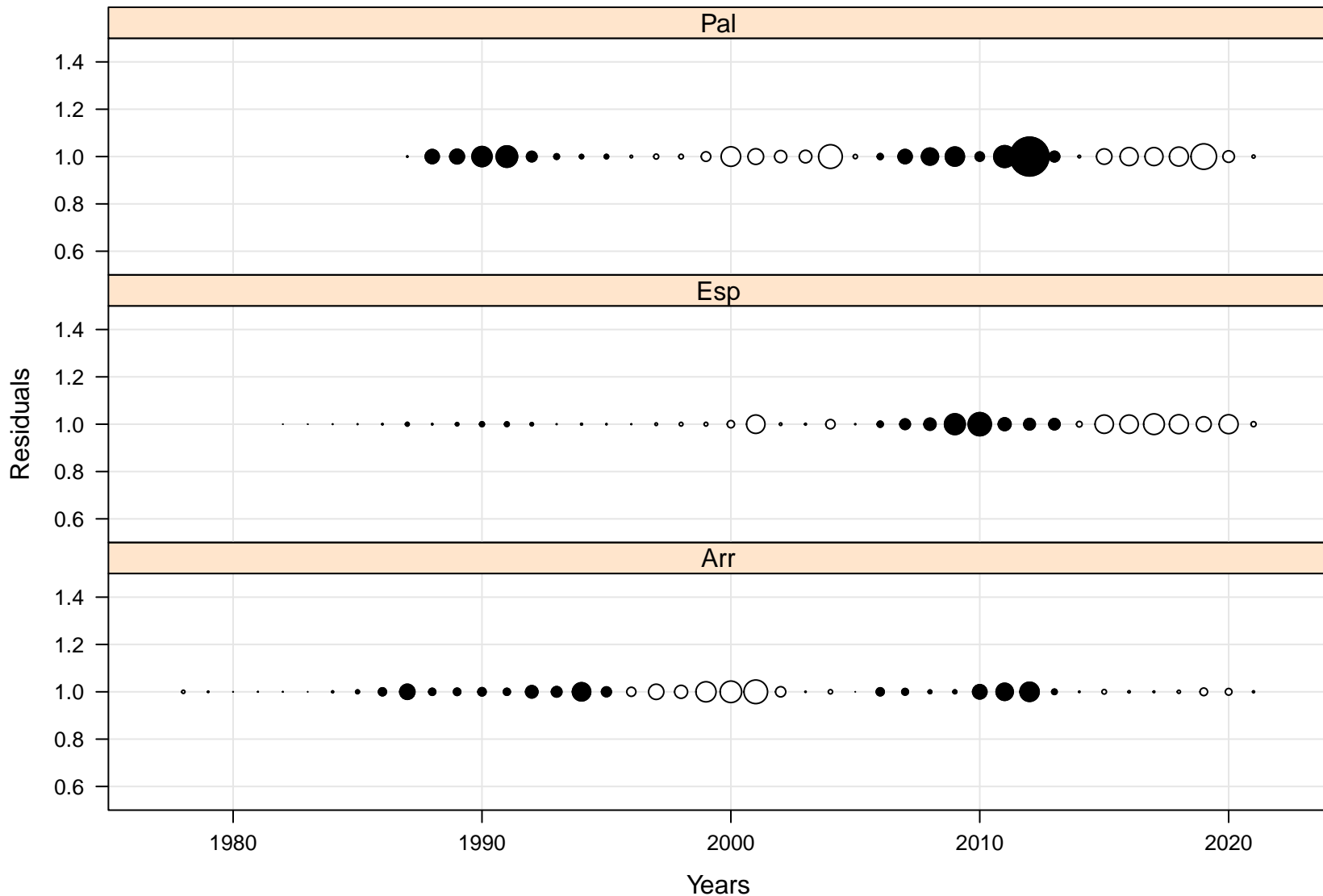
Total catch

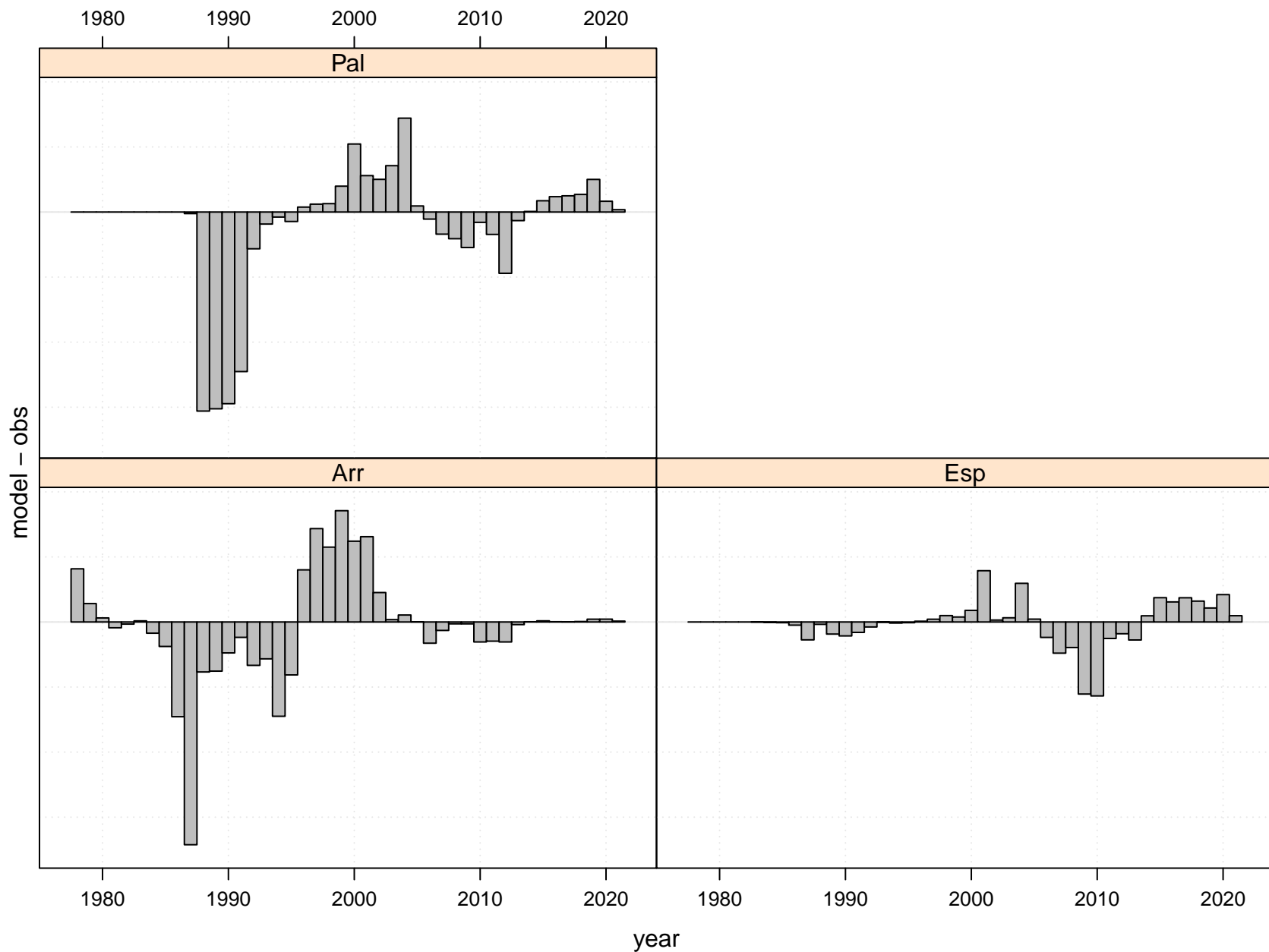


Total catch by fleet

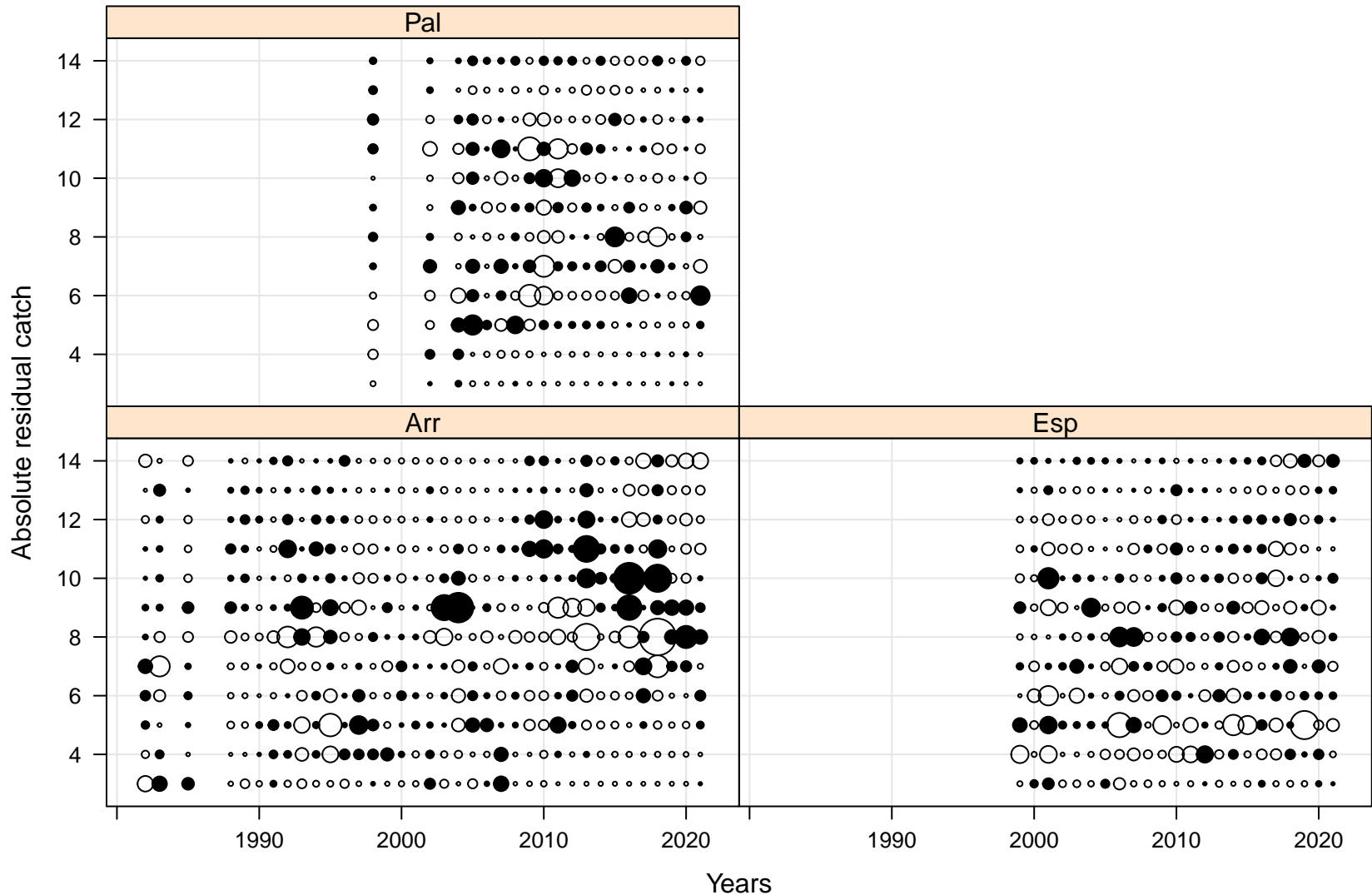
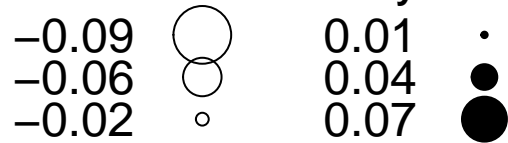


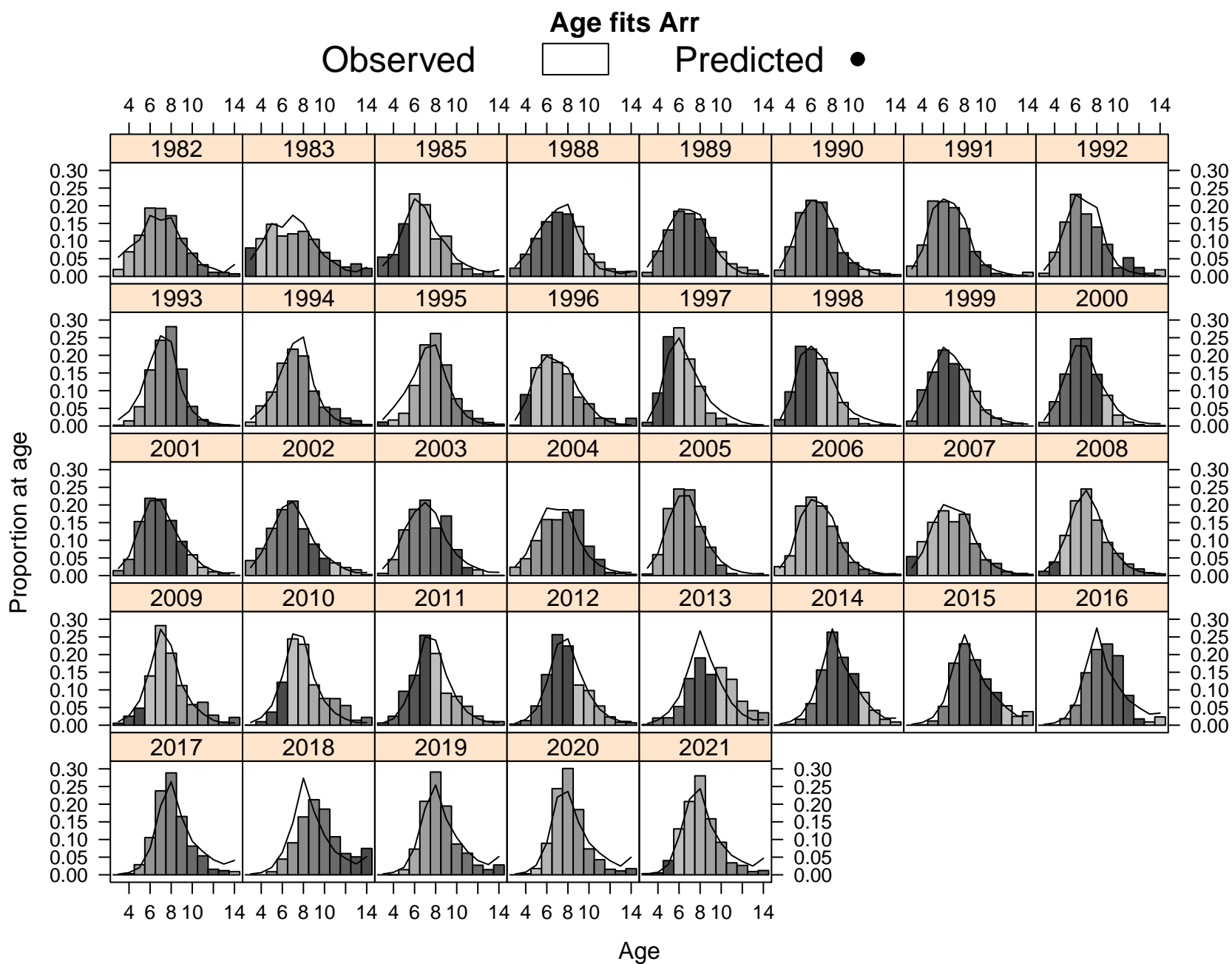
Catch residuals by fleet

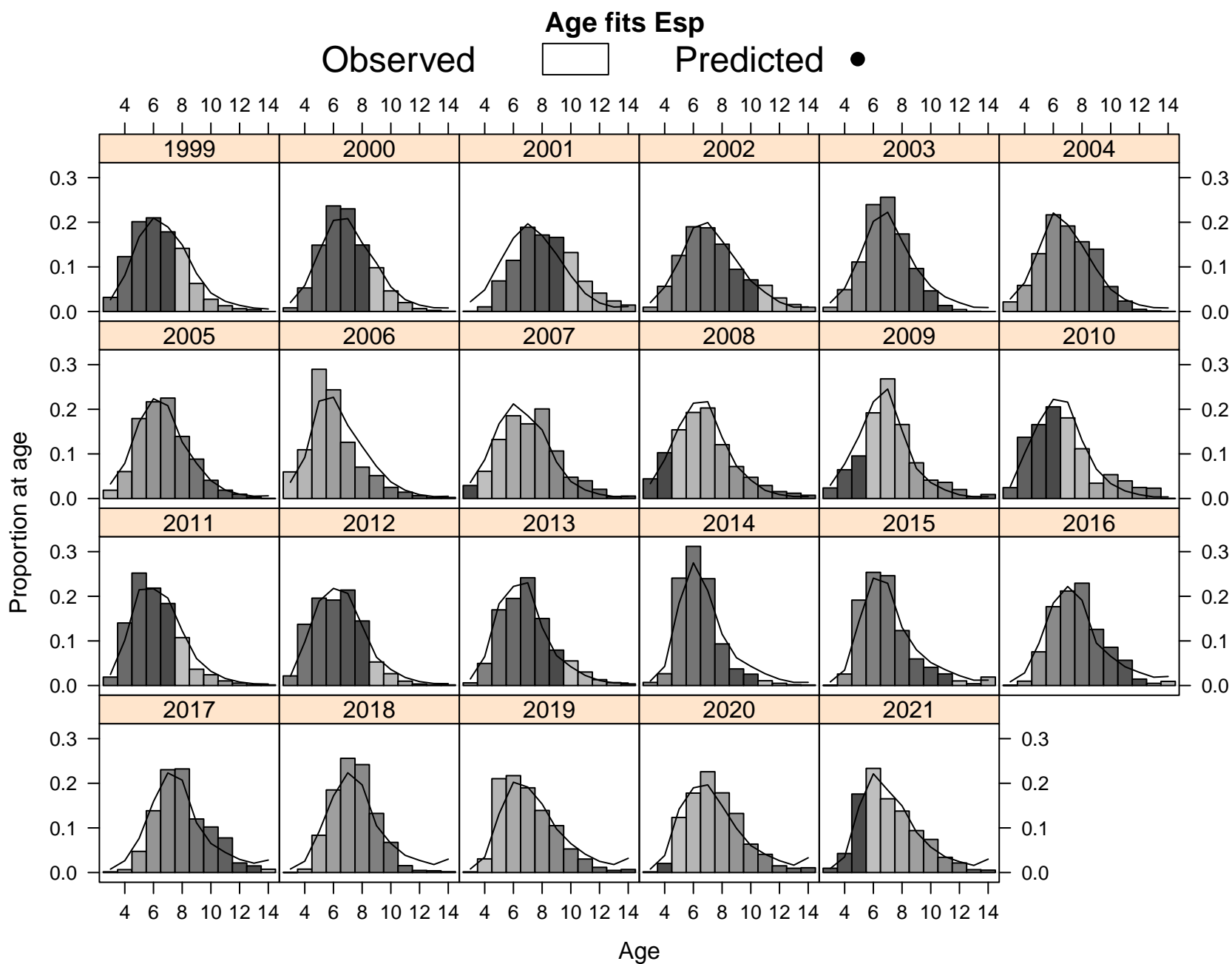


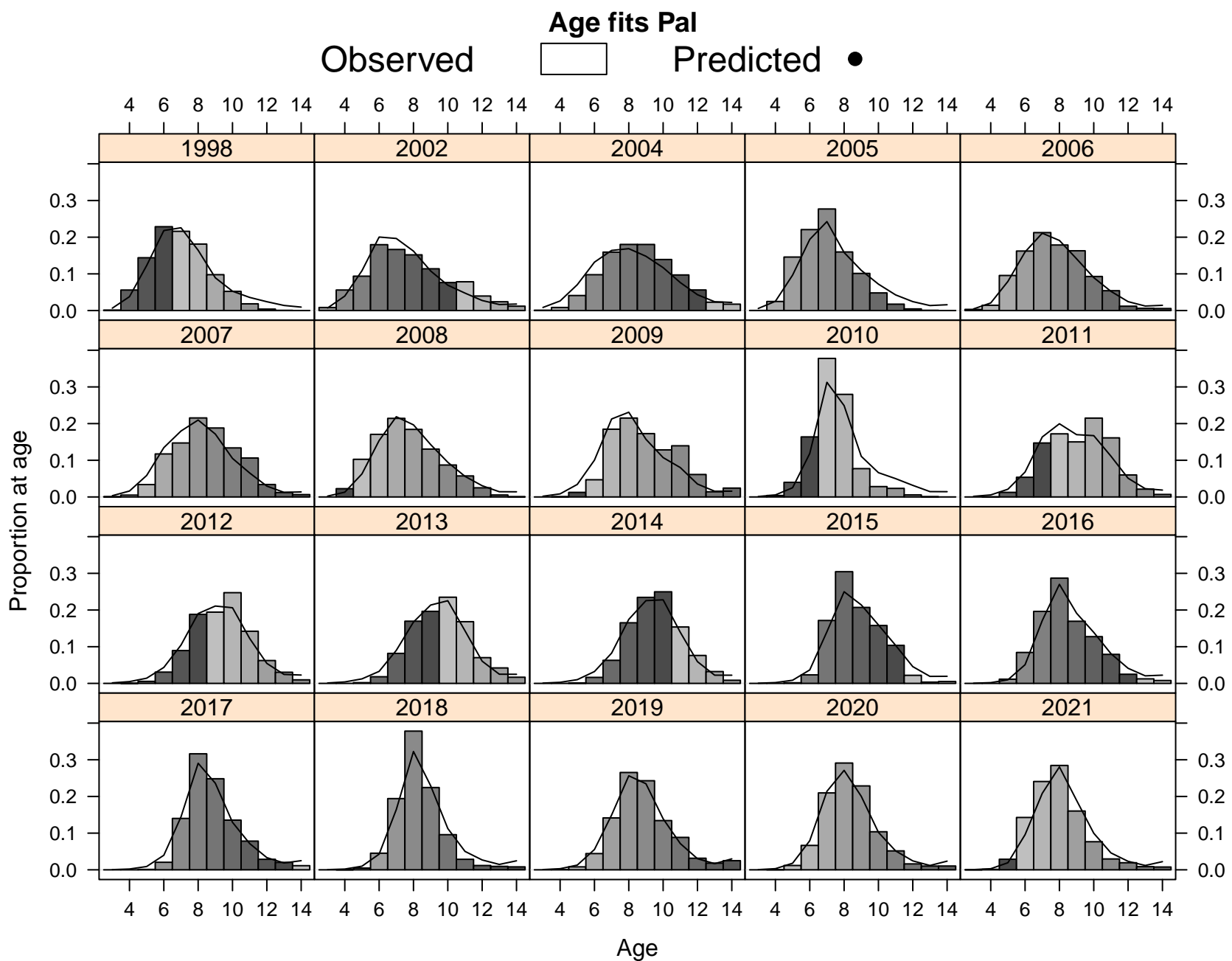


Absolute residual catch by fleet



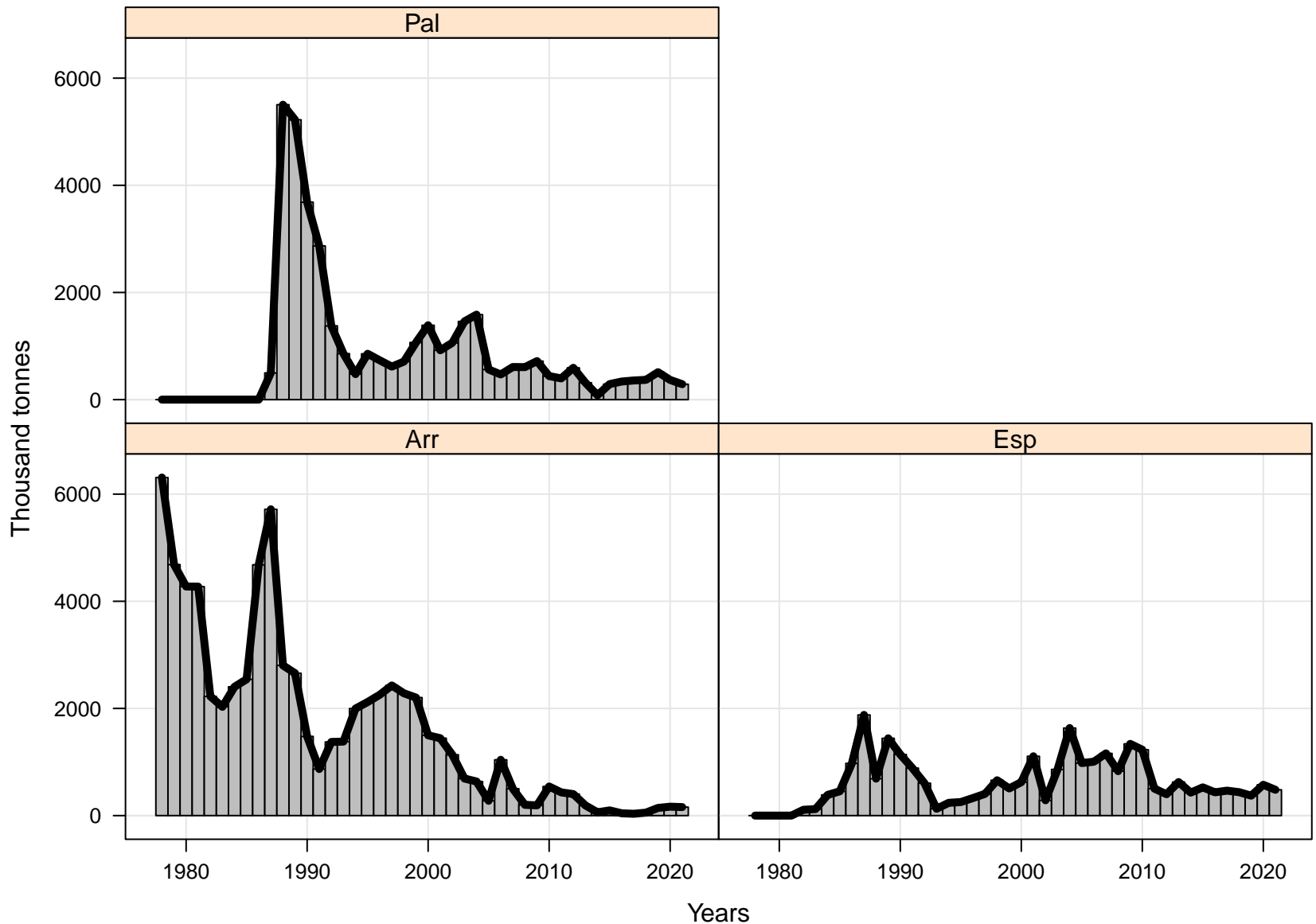






Predicted and observed catches by fleet

Observed Predicted



Predicted and observed indices

Observed



Predicted



1980

1990

2000

2010

2020

Palangre

Normalized index value

1980

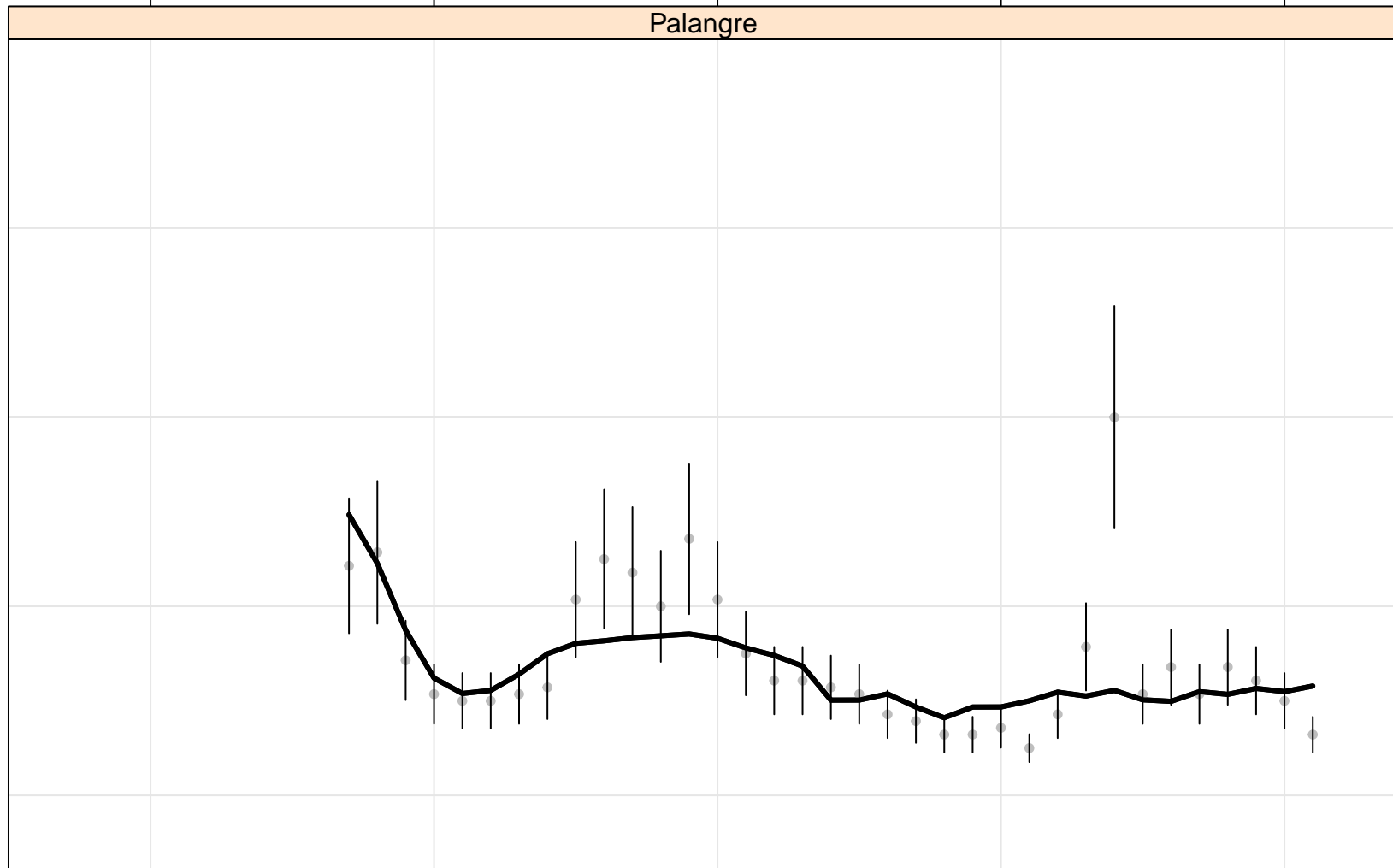
1990

2000

2010

2020

Years

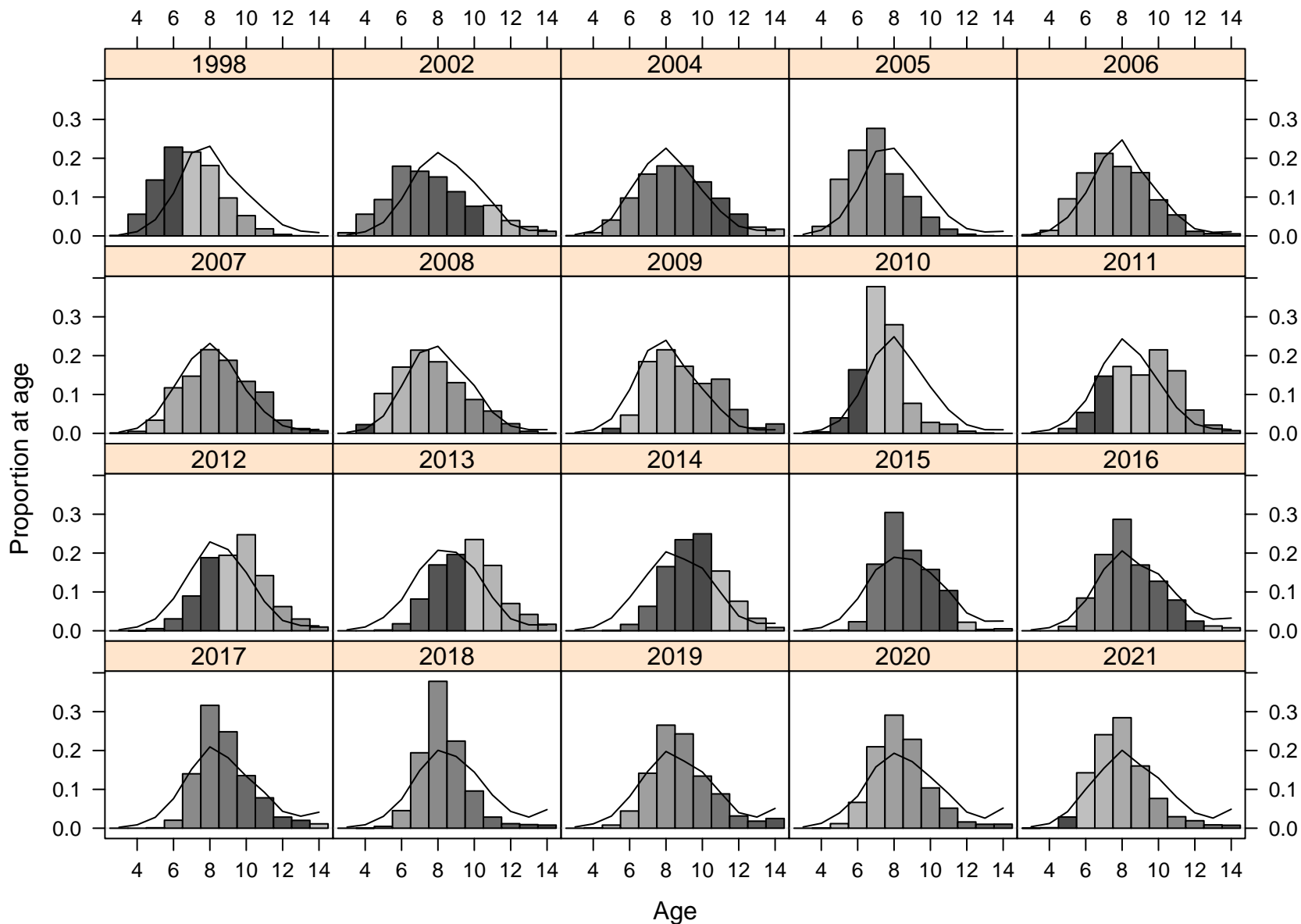


Age fits Palangre

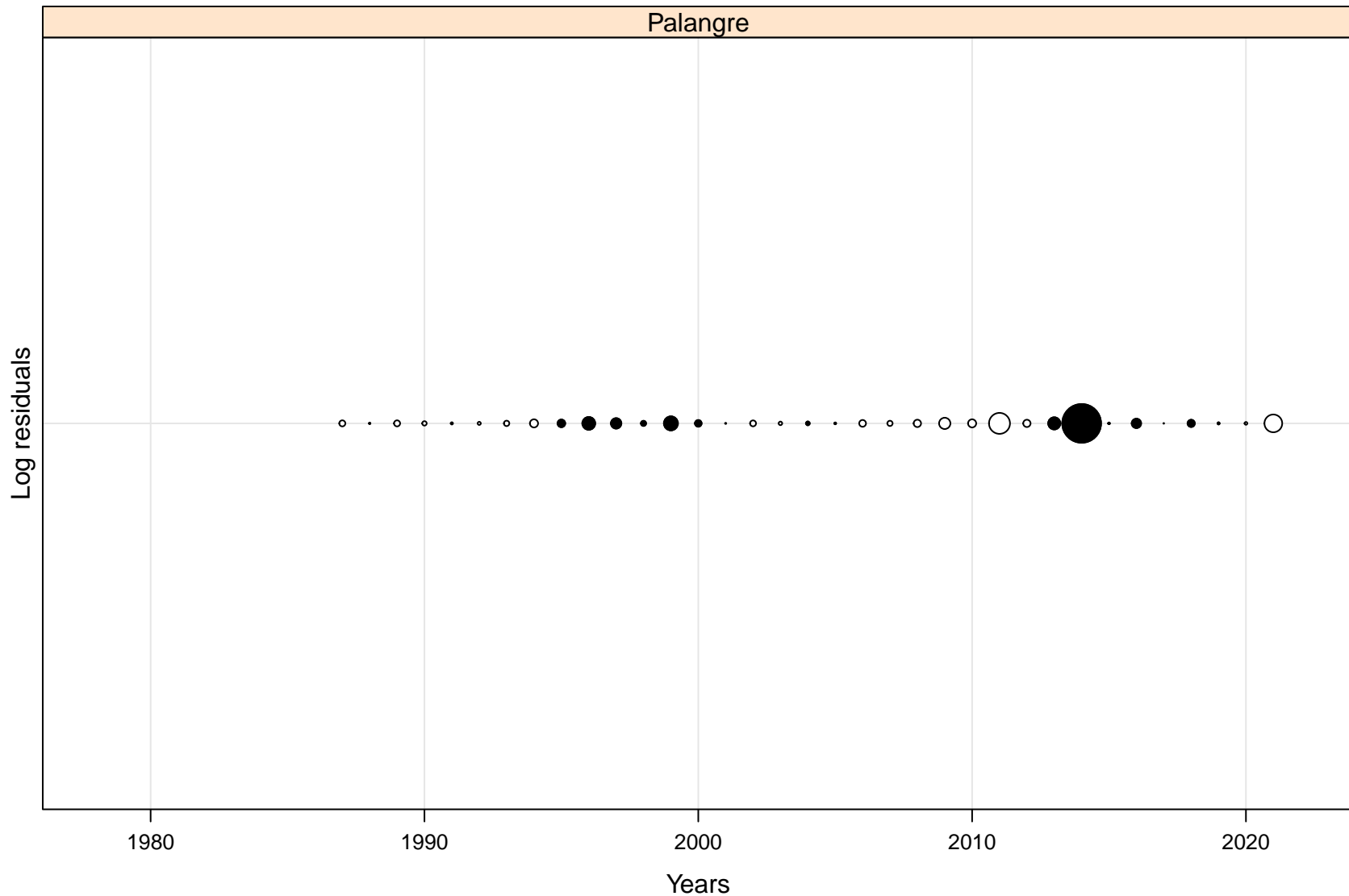
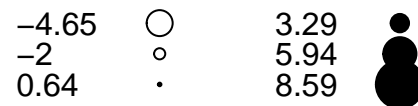
Observed



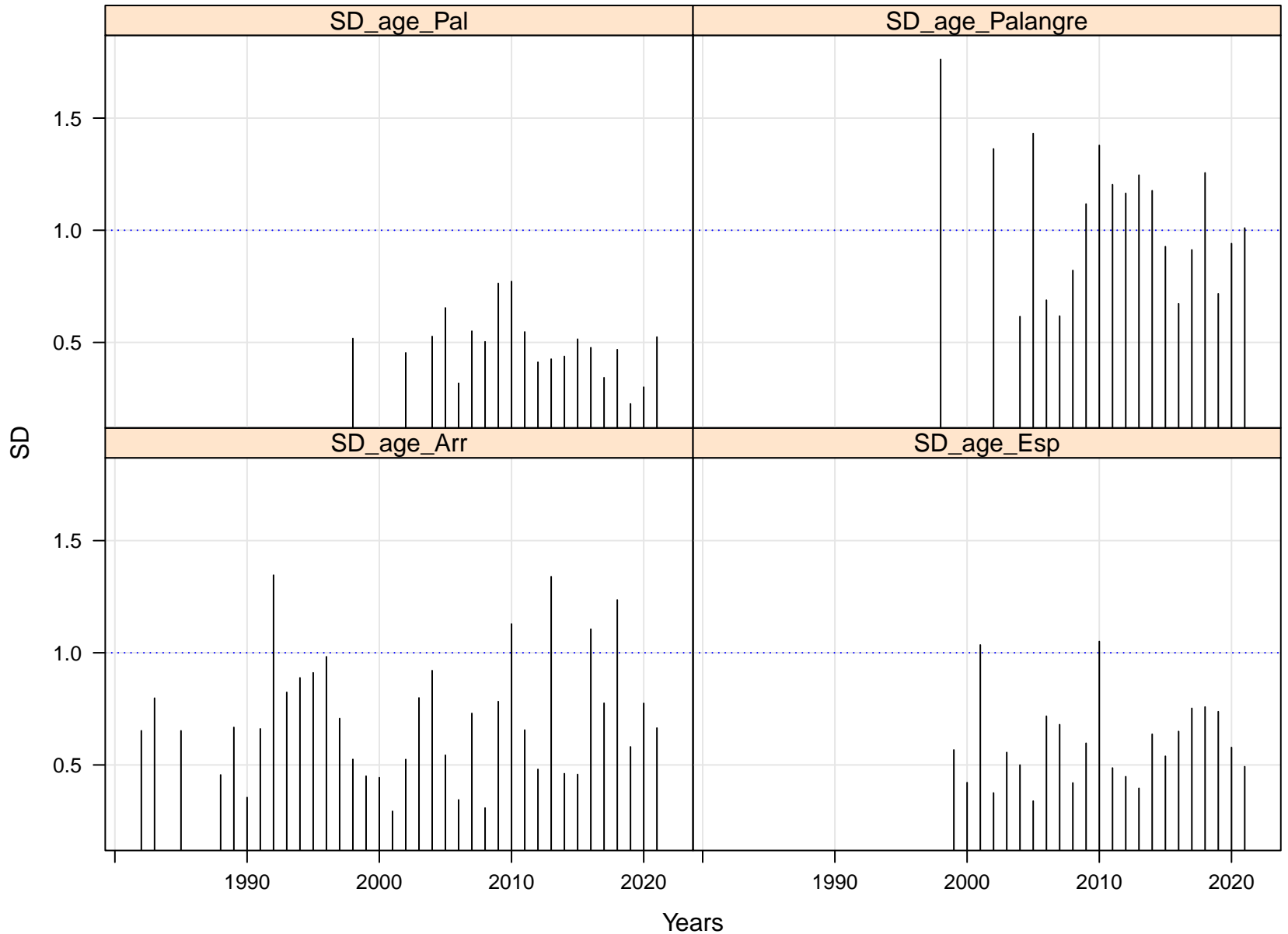
Predicted



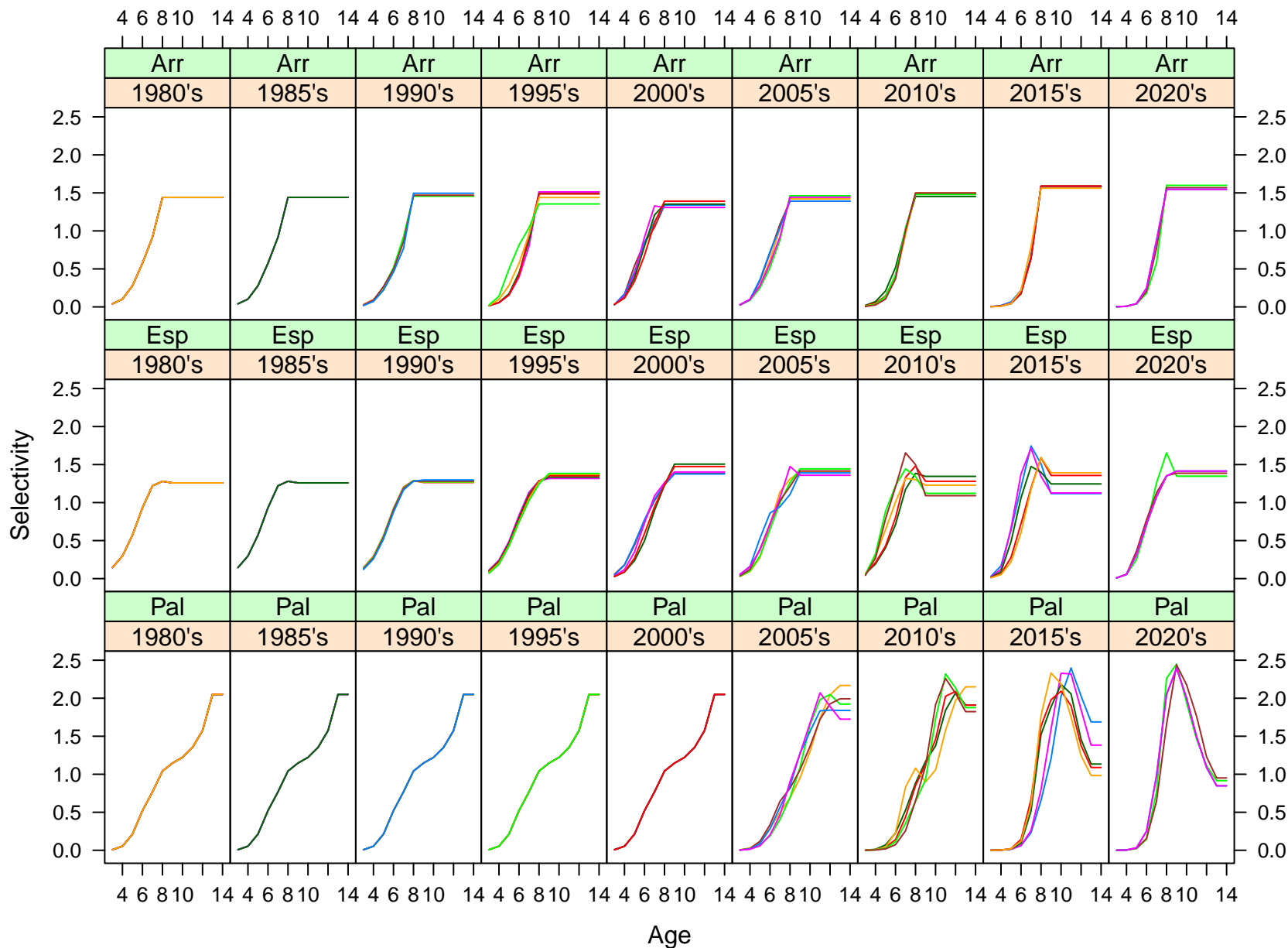
Standardized survey residuals



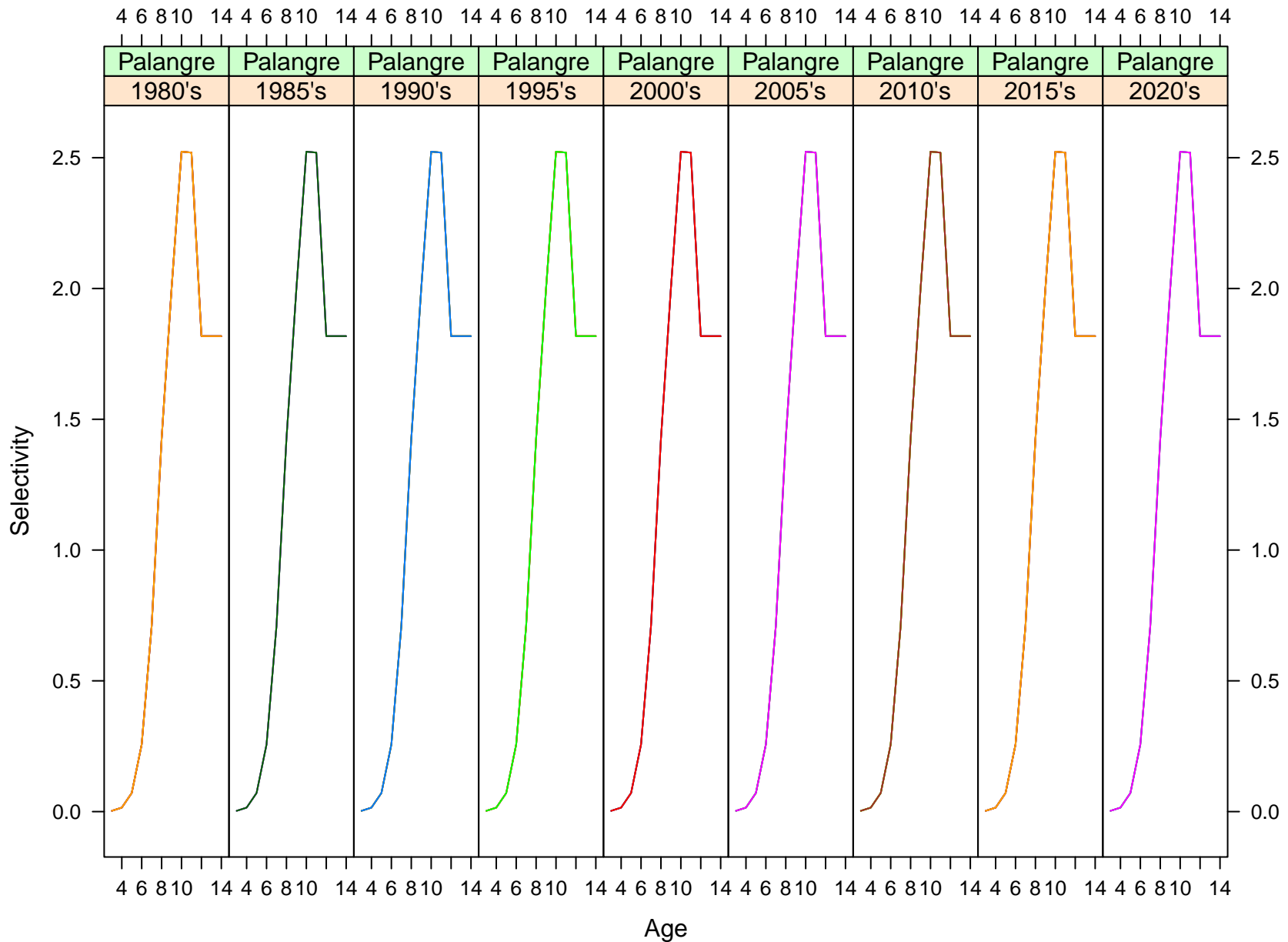
SD per input series



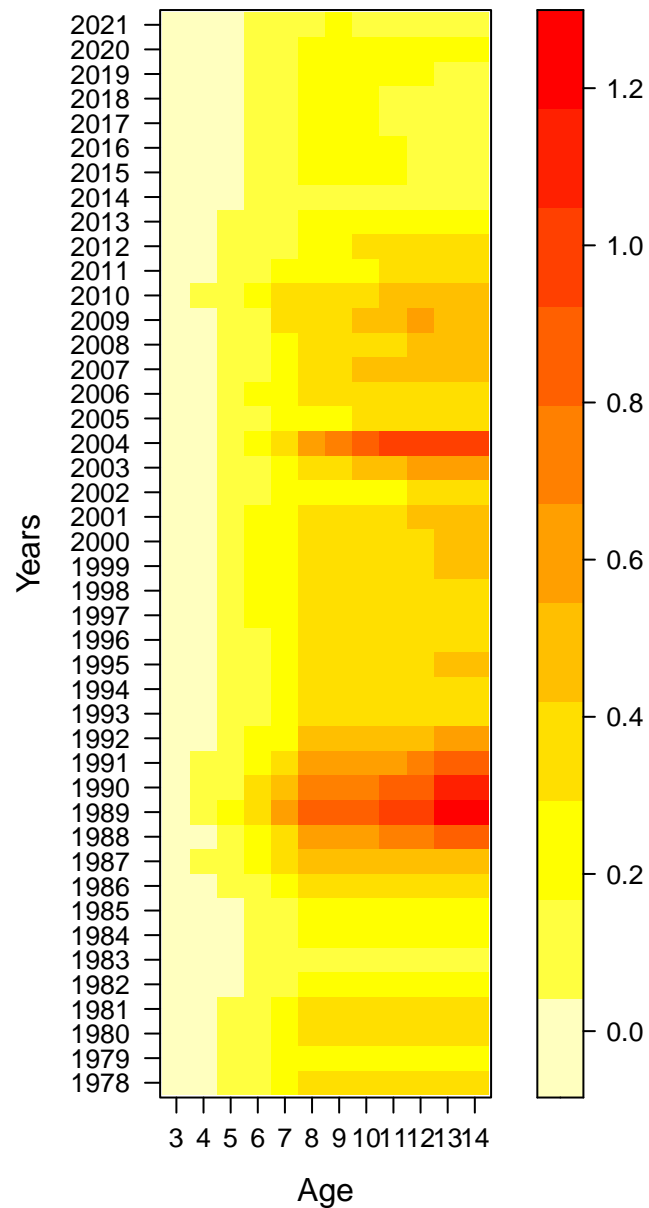
Selectivity of the Fishery by Pentad



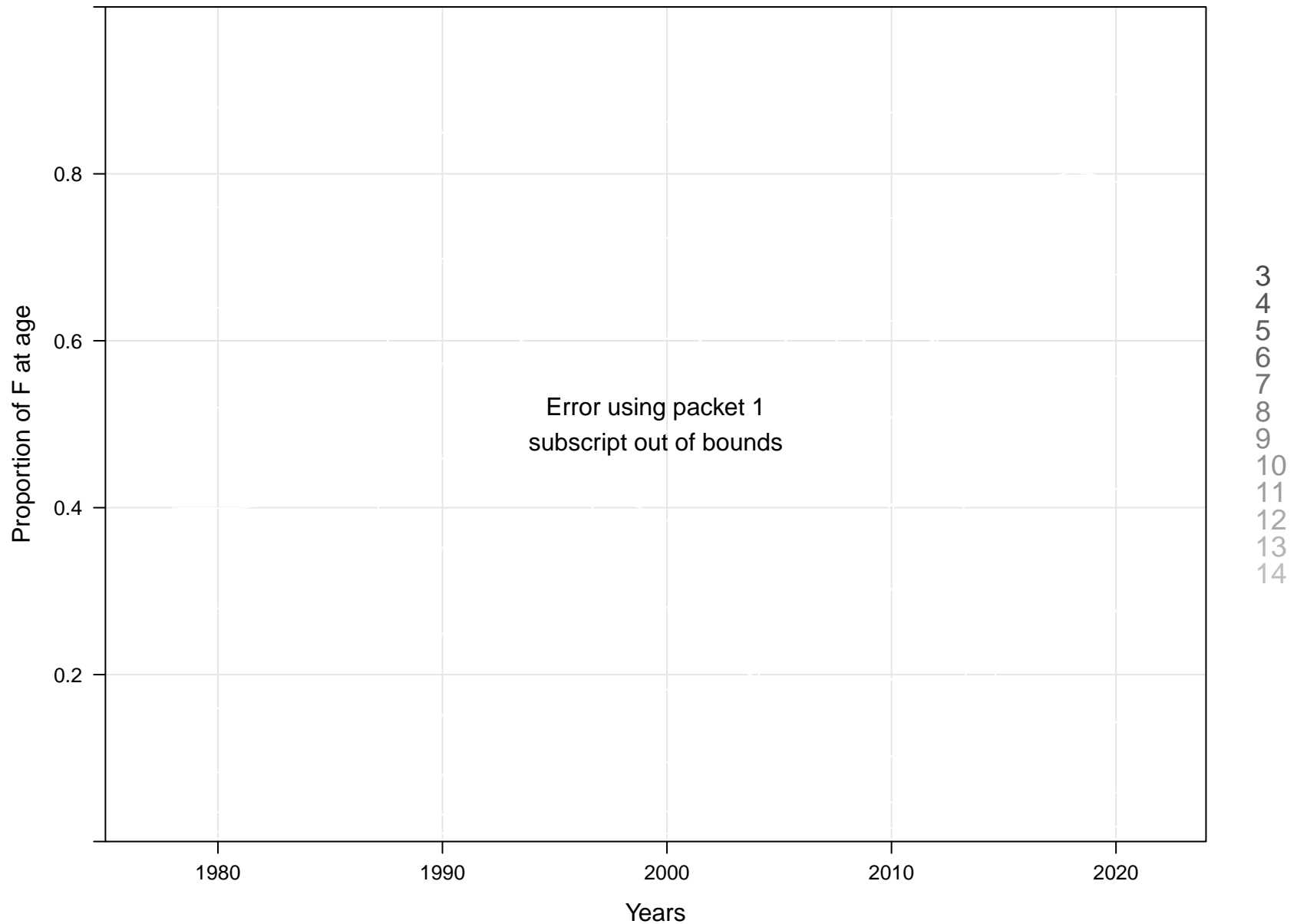
Selectivity of the survey by Pentad



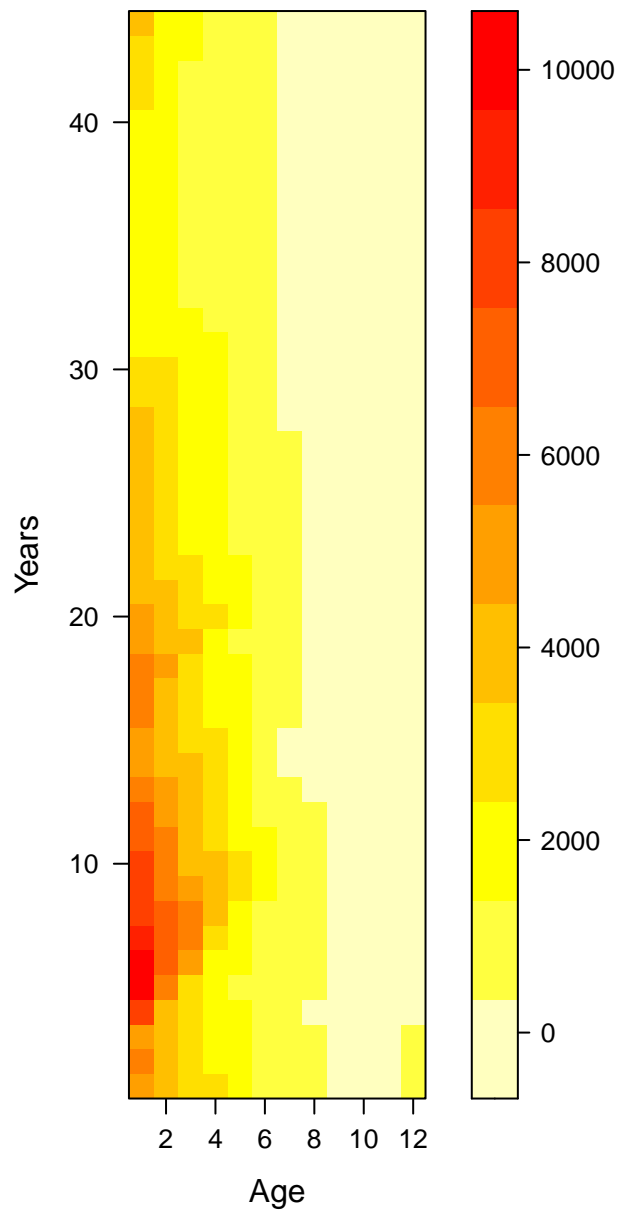
F at age



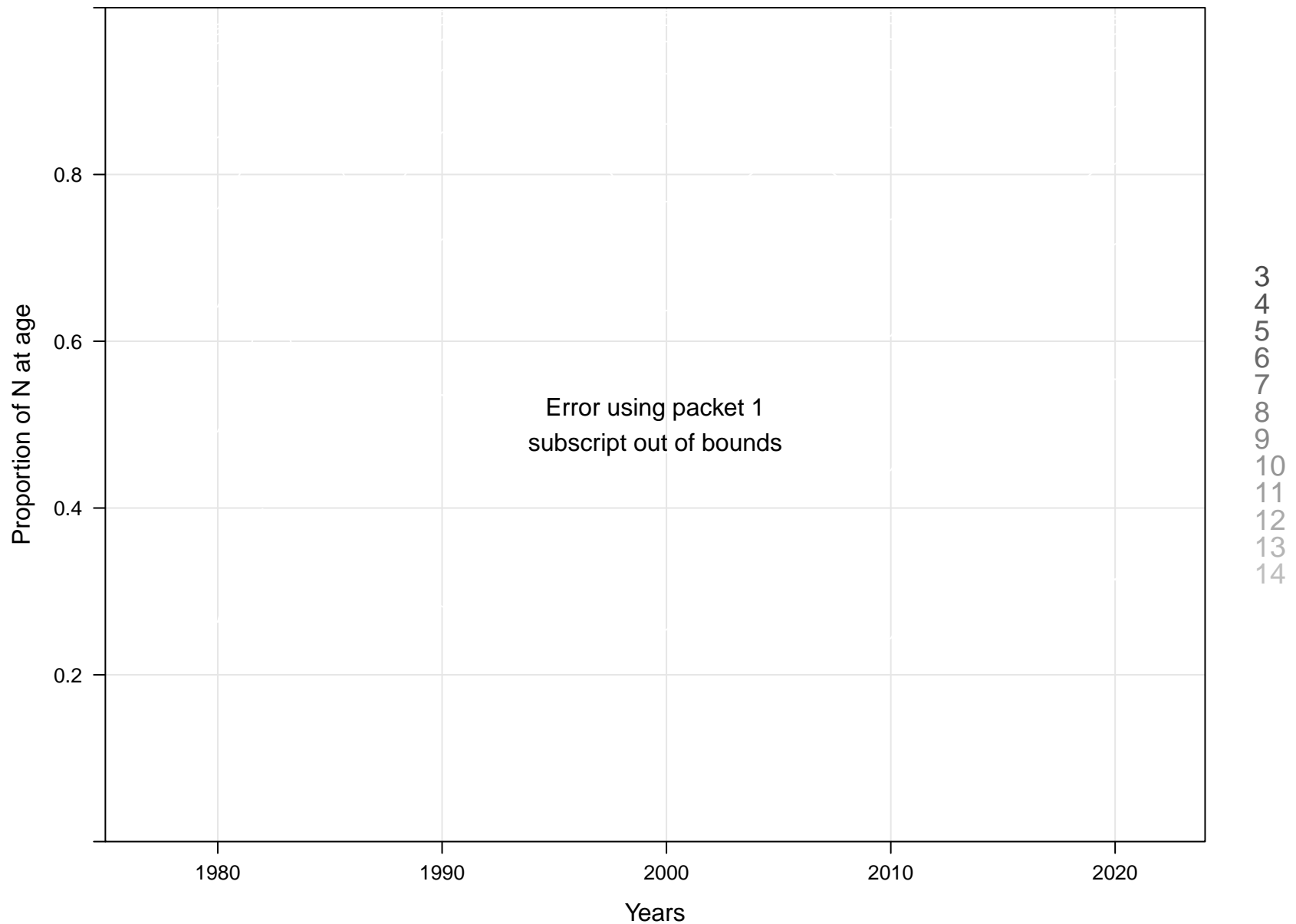
F proportion at age



N at age



Proportion at age

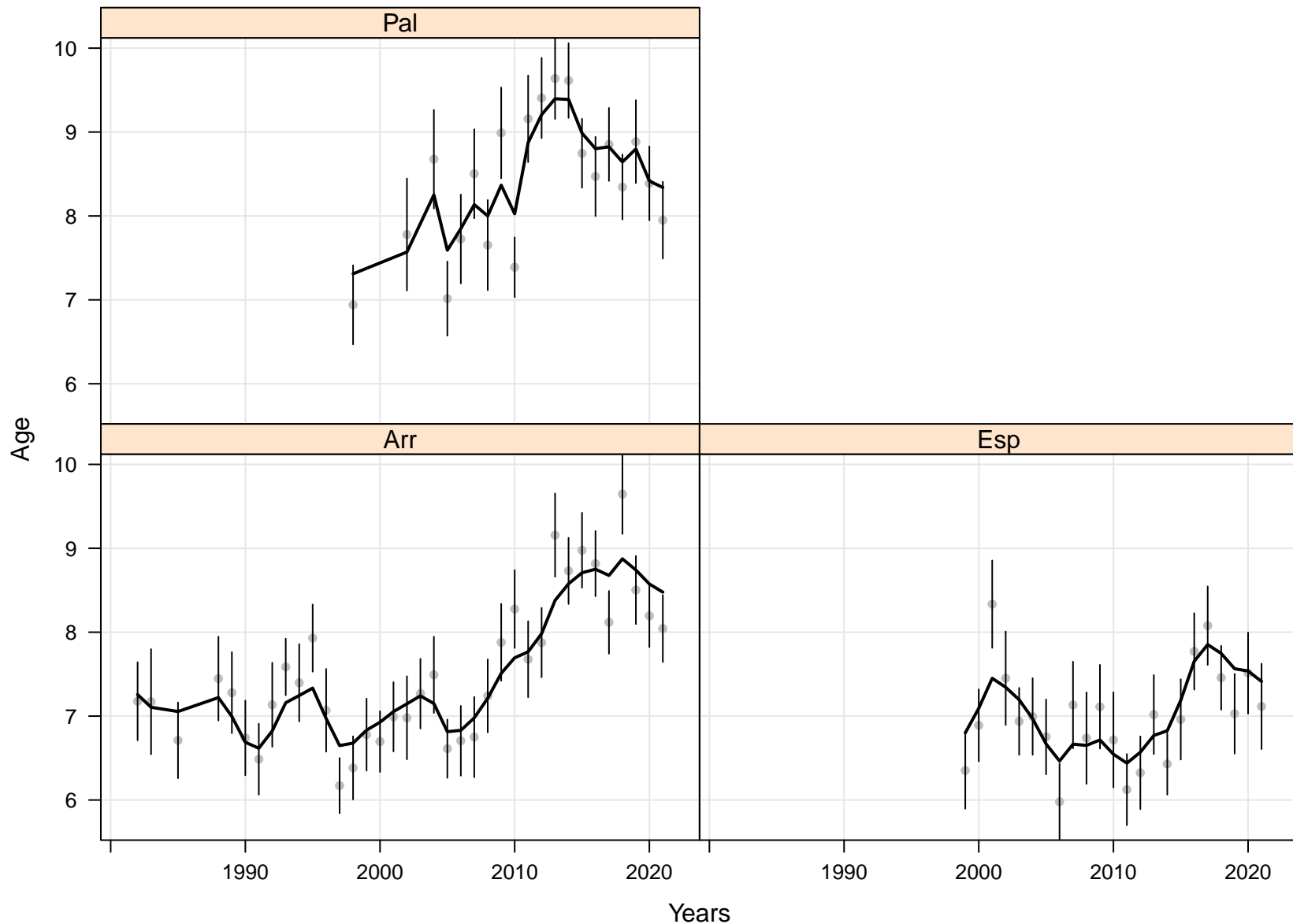


Fishery mean age

Observed



Modelled

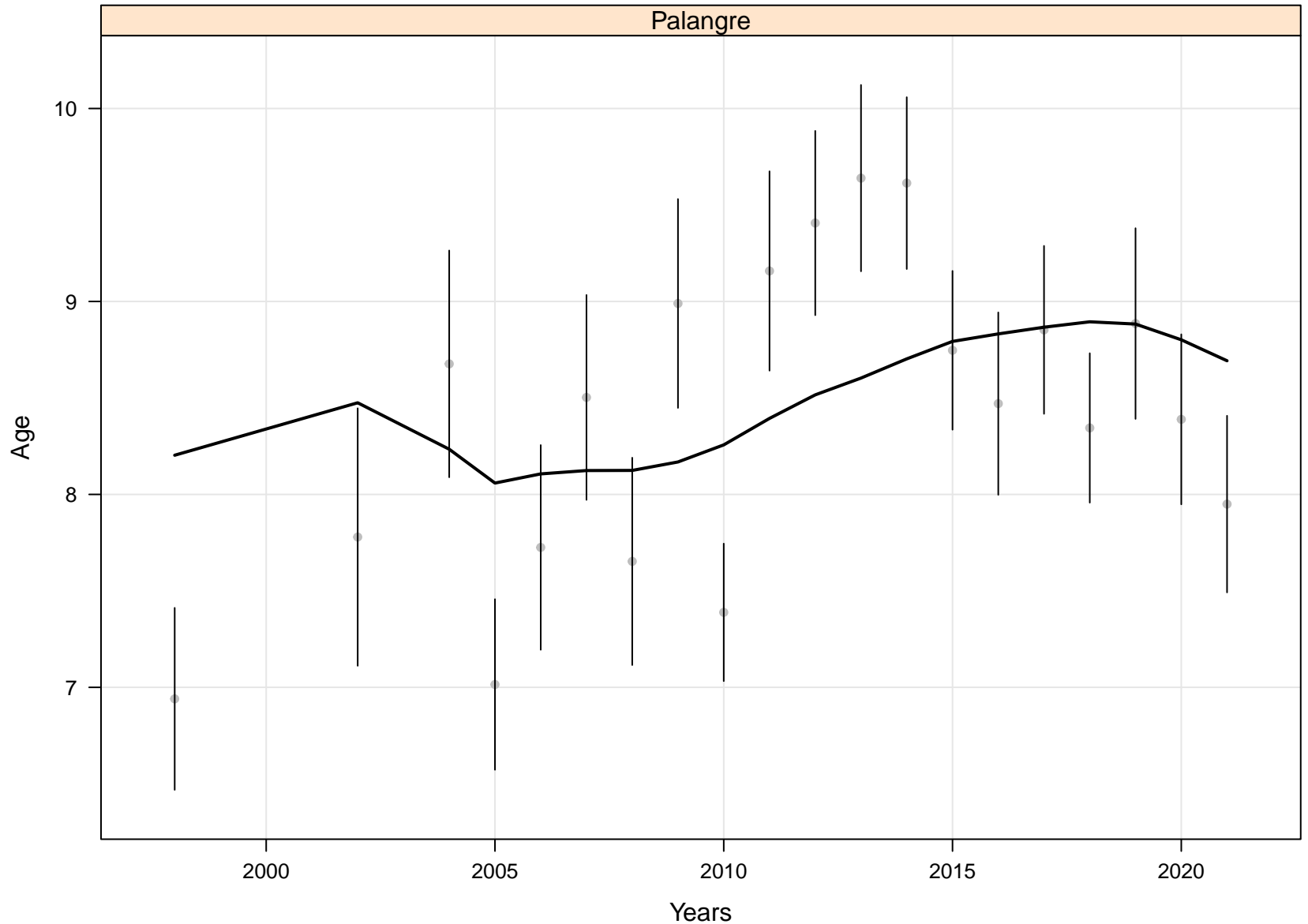


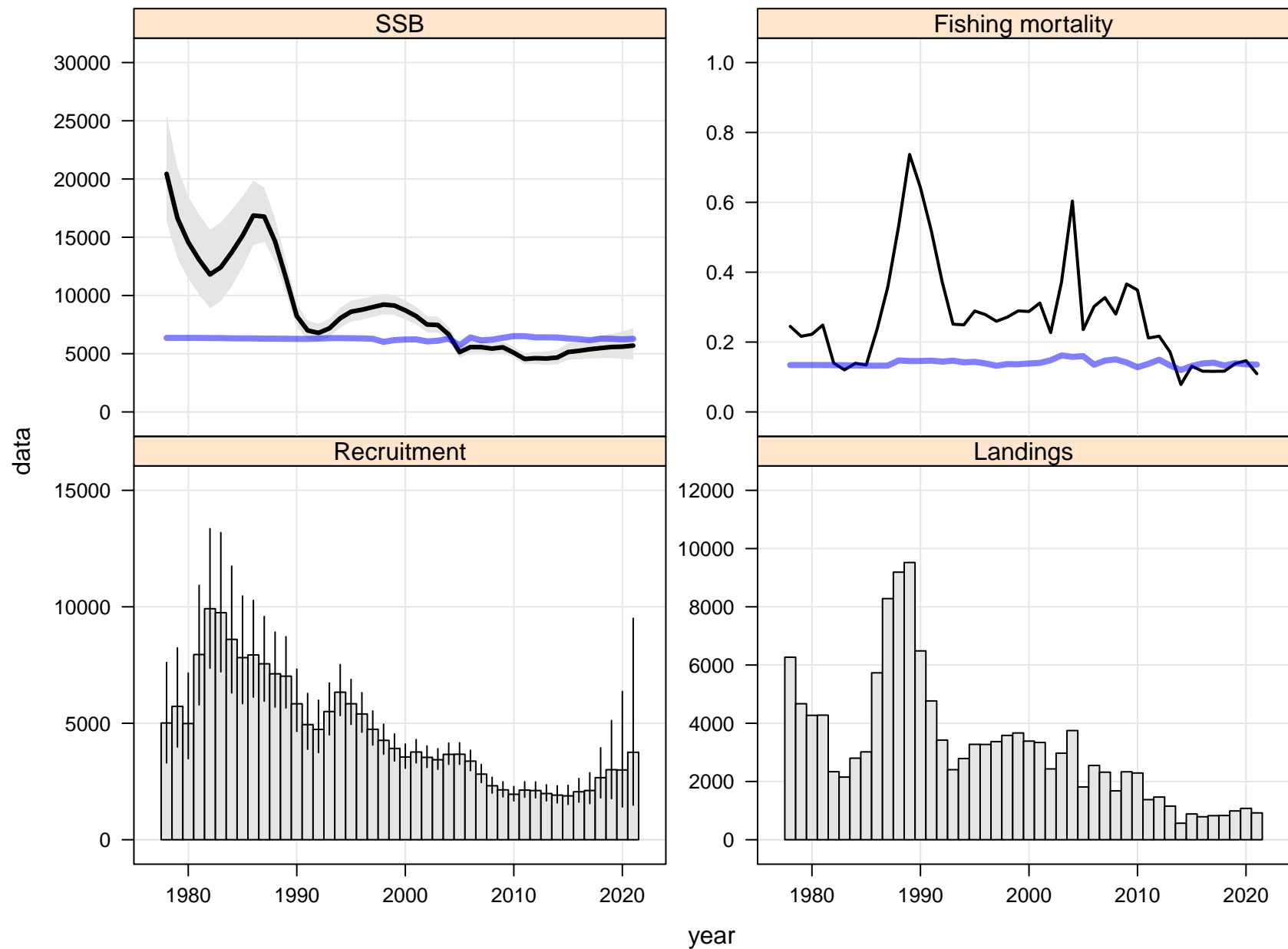
Survey mean age

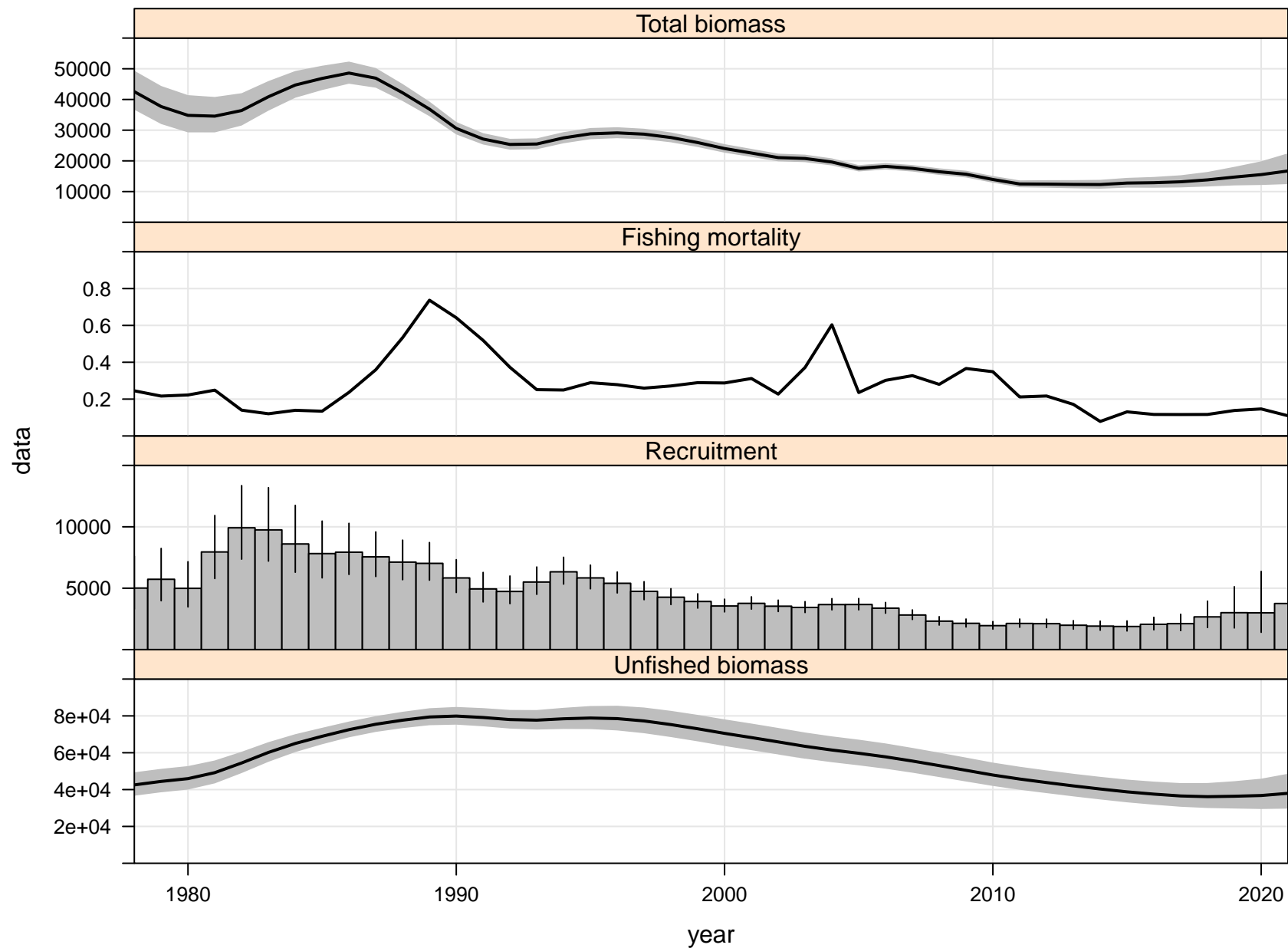
Observed



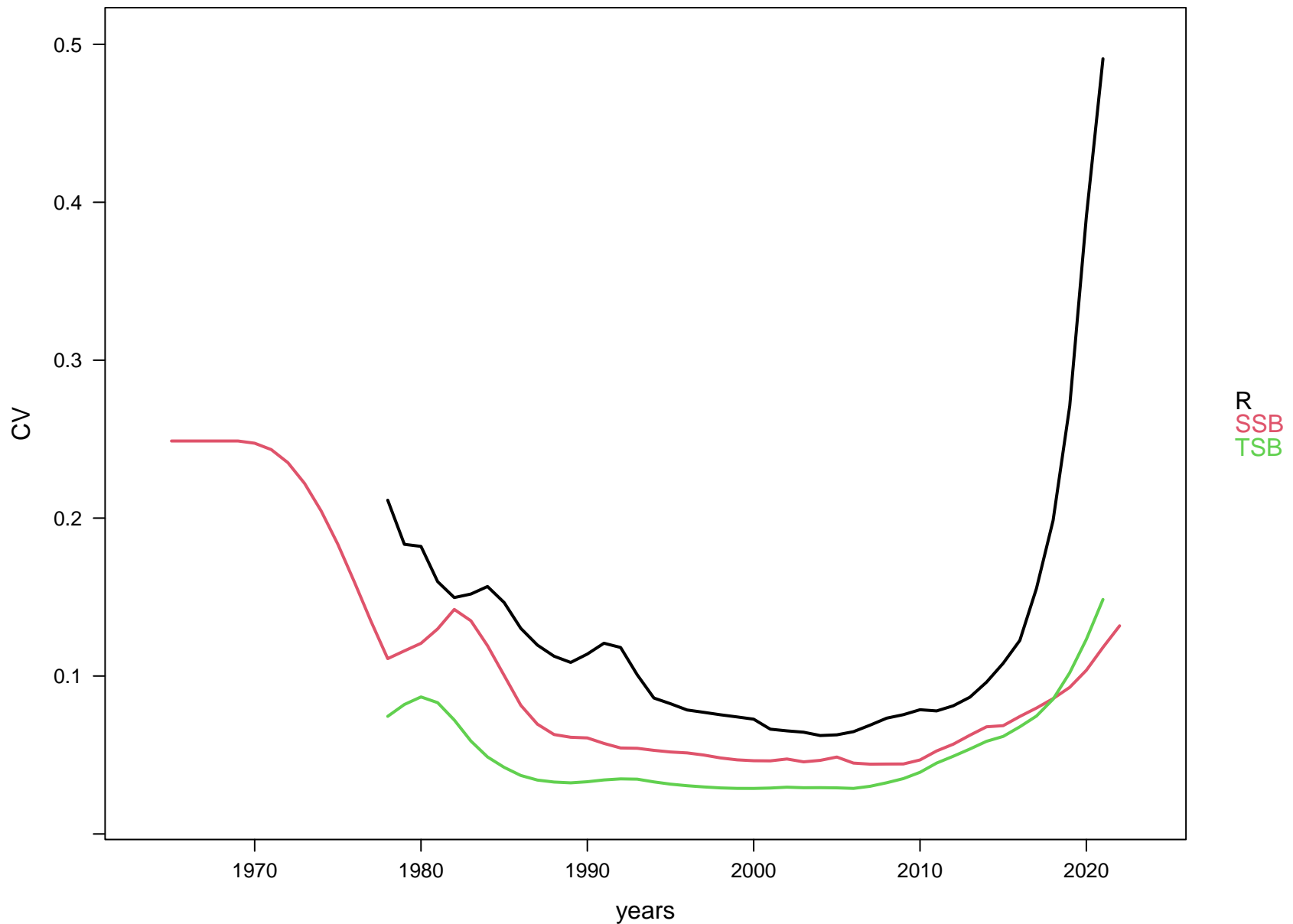
Modelled



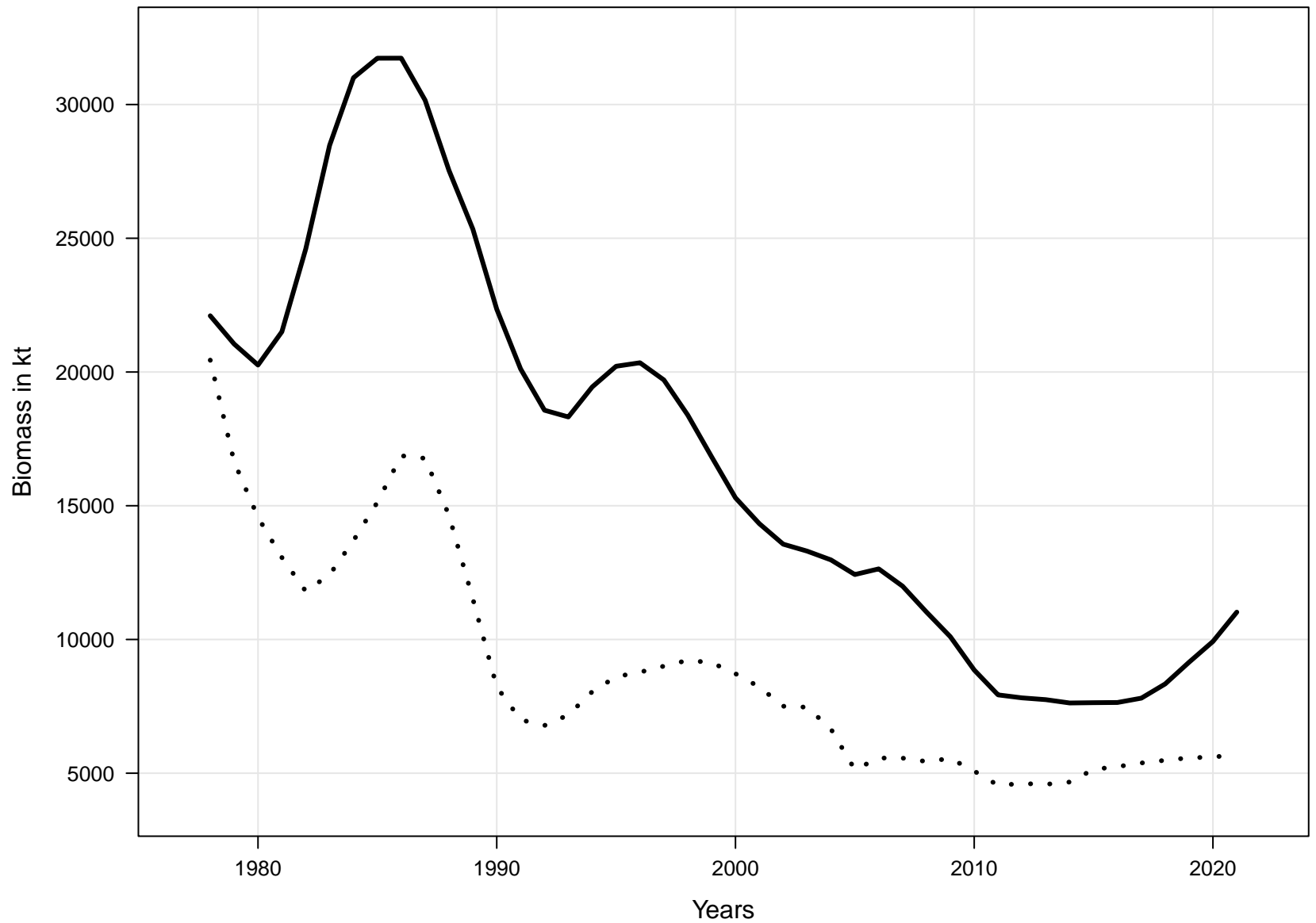




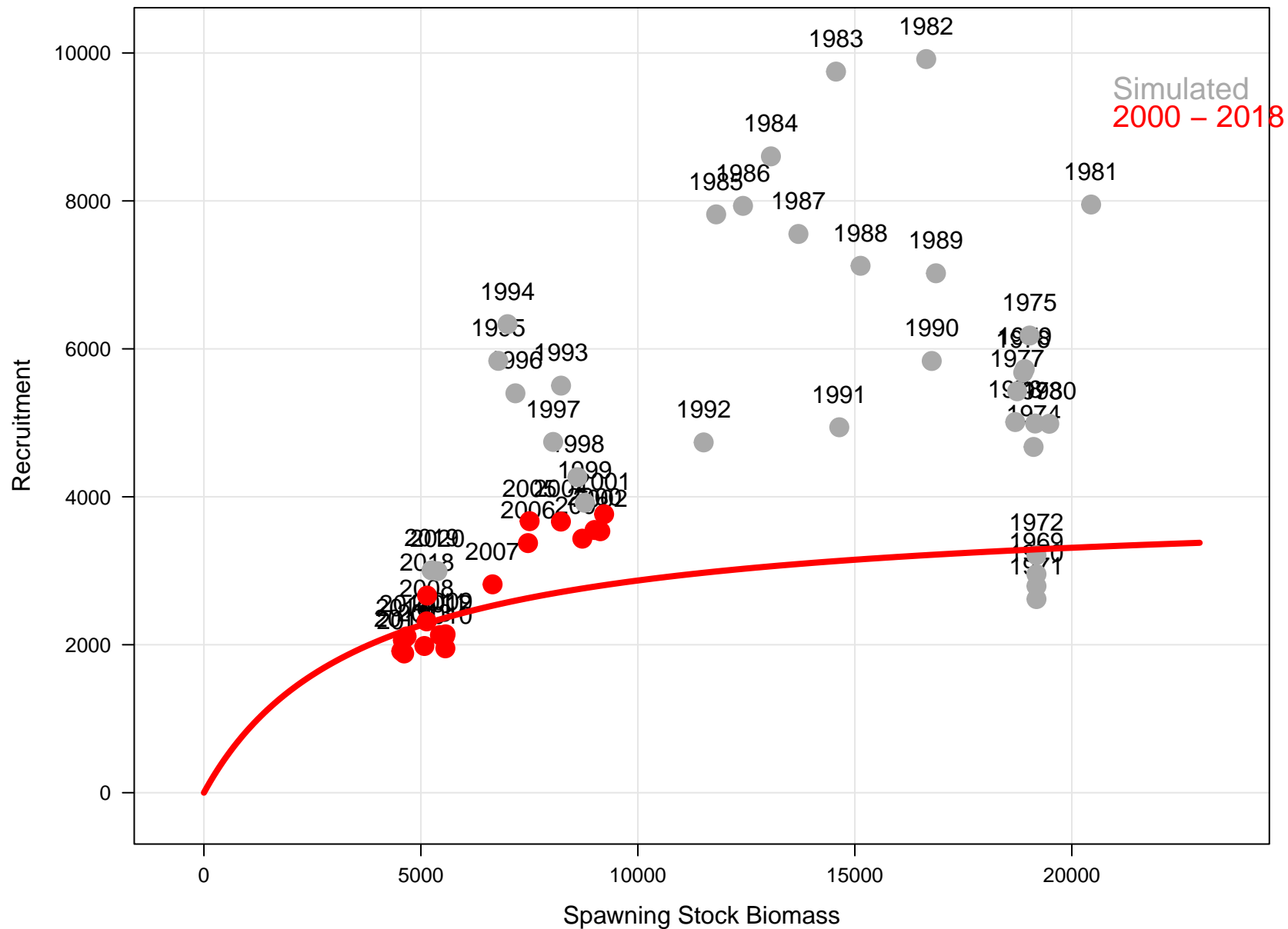
Uncertainty of key parameters



Mature – Immature fish
Mature Immature —

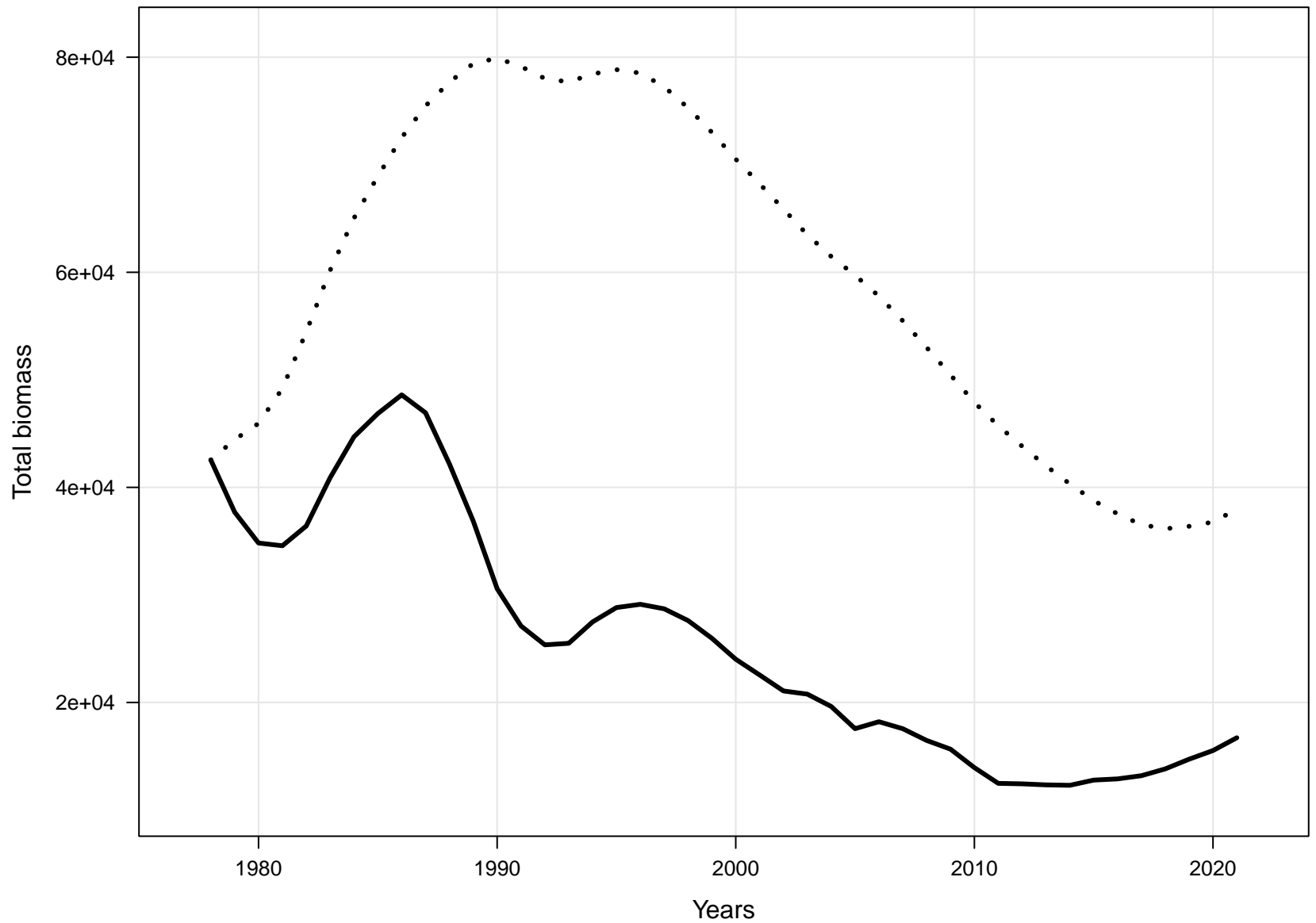


Stock Recruitment



Comparing fished with unfished biomass

Fished — Unfished



SSB prediction

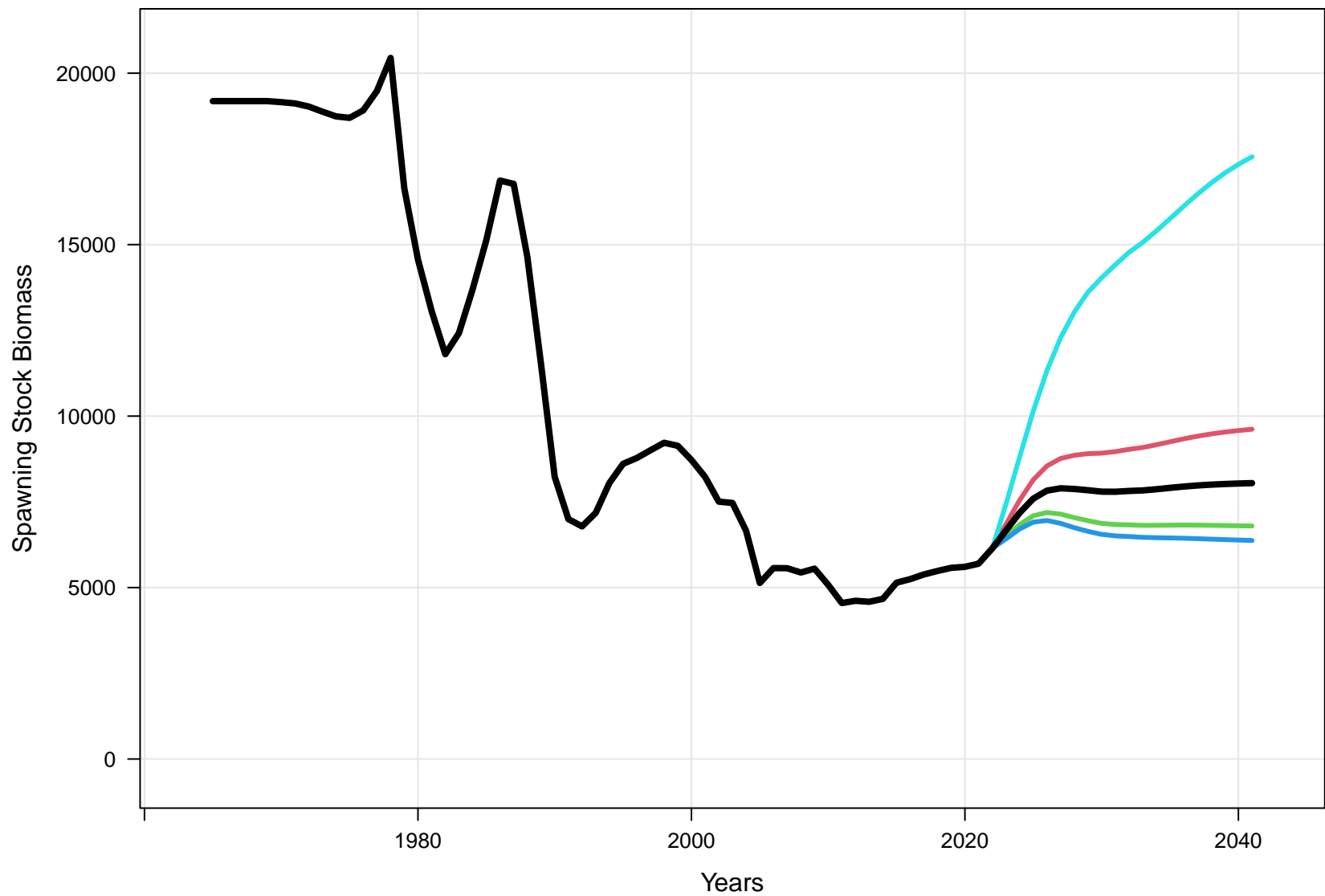
F2021 SQ

F2021 0.75x

F2021 1.25x

FMSY

F2021 0x



Catch prediction

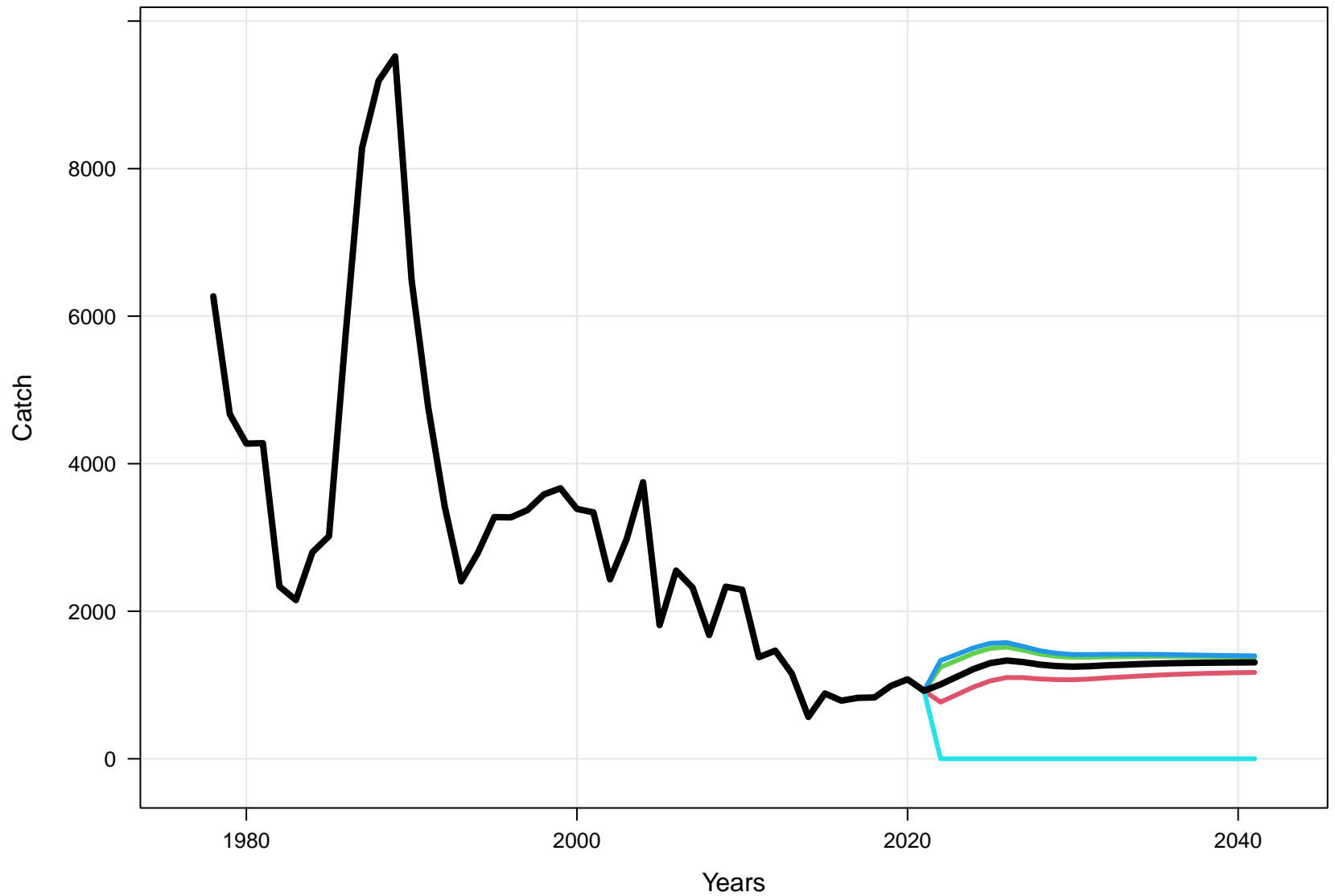
F2021 SQ

F2021 0.75x

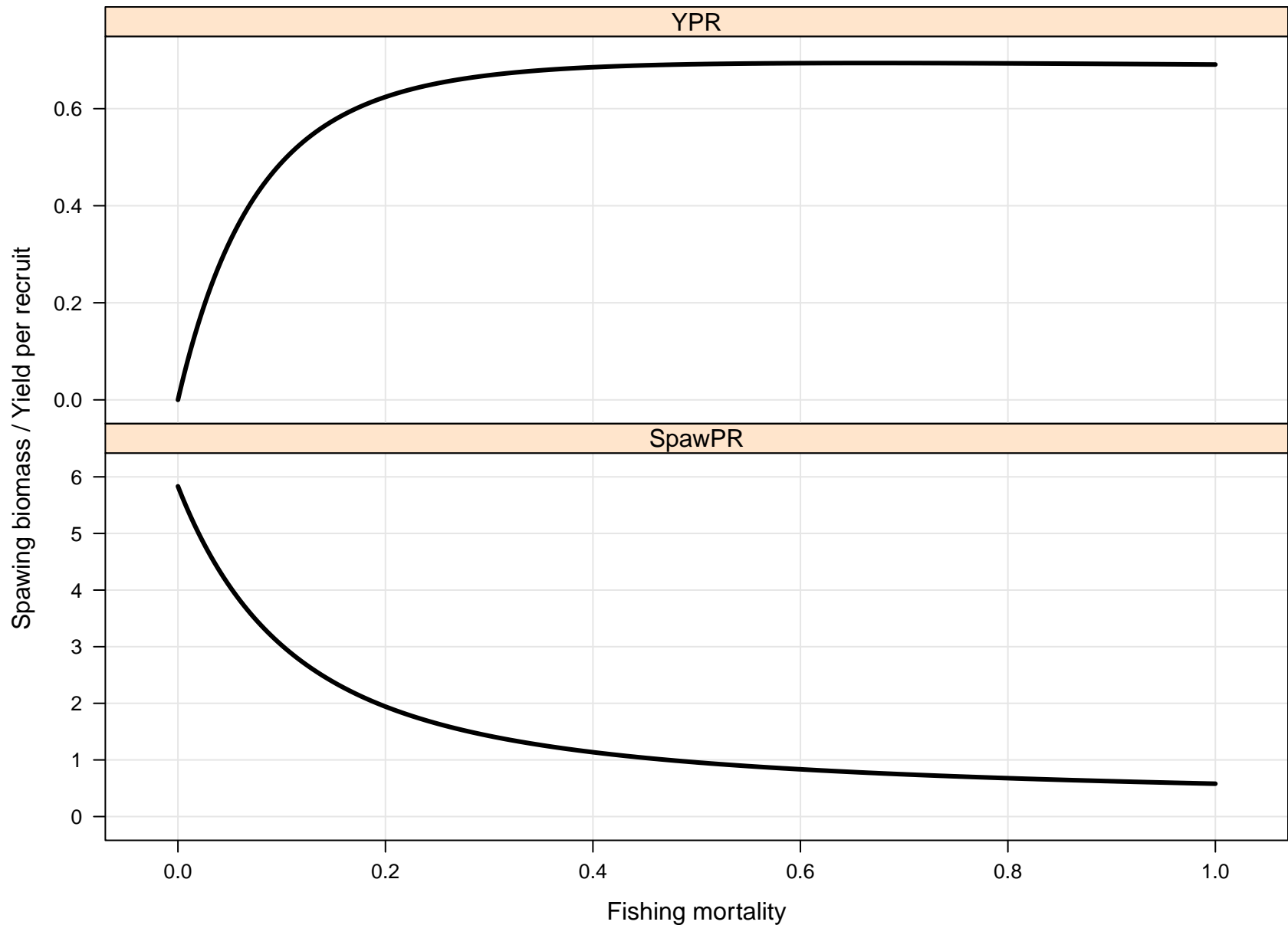
F2021 1.25x

FMSY

F2021 0x



Yield and spawning stock biomass per recruit



Kobe plot

