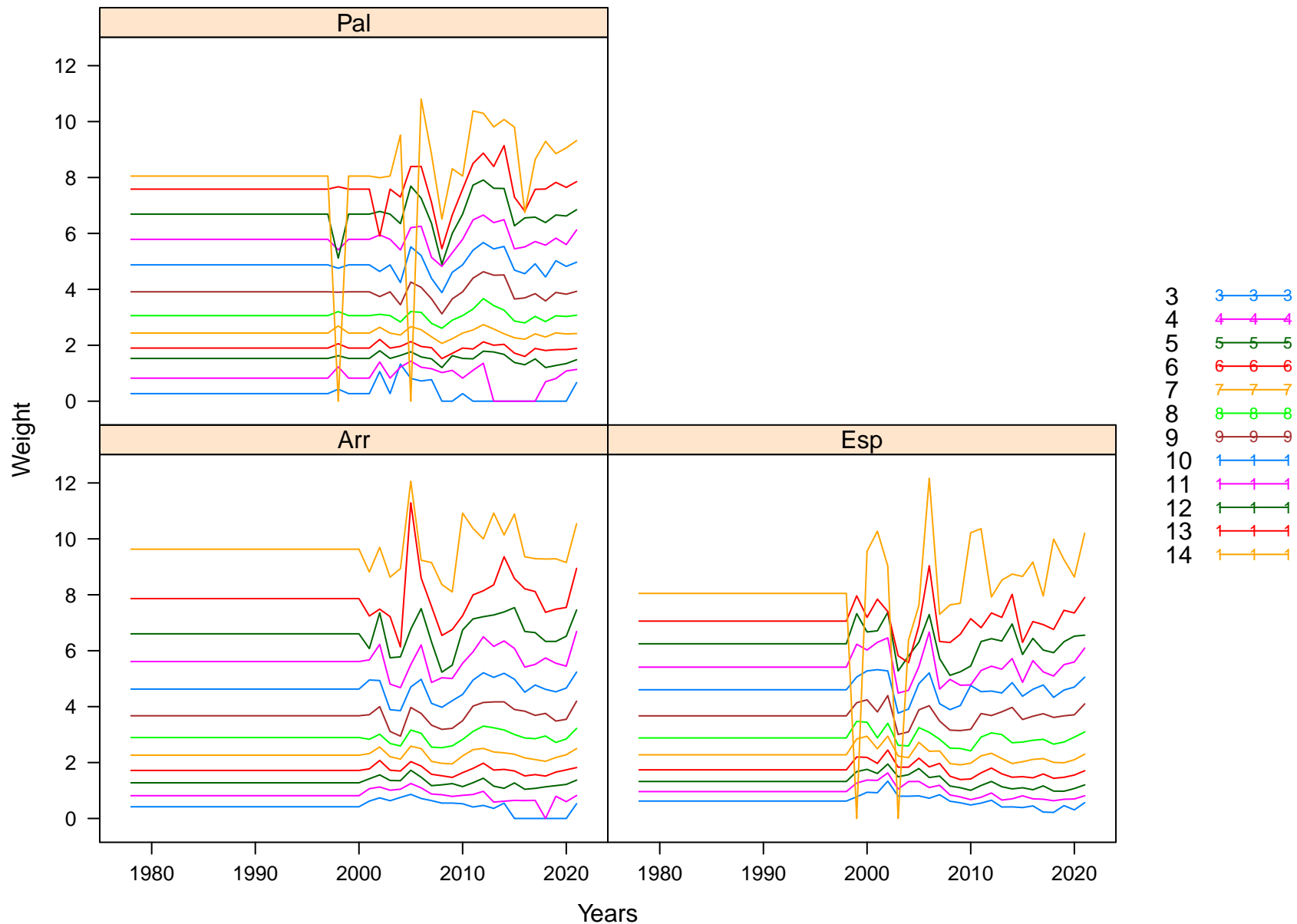
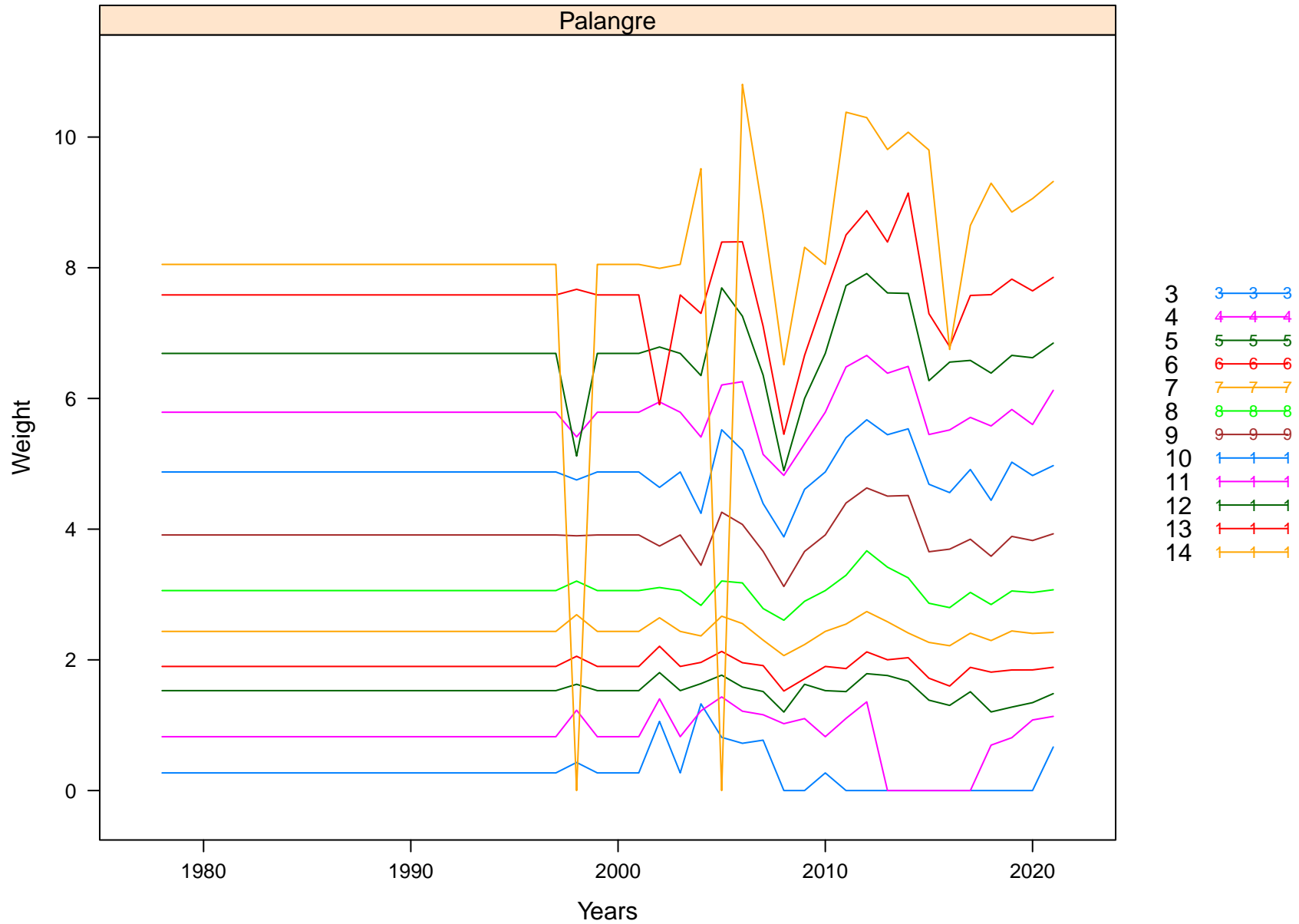


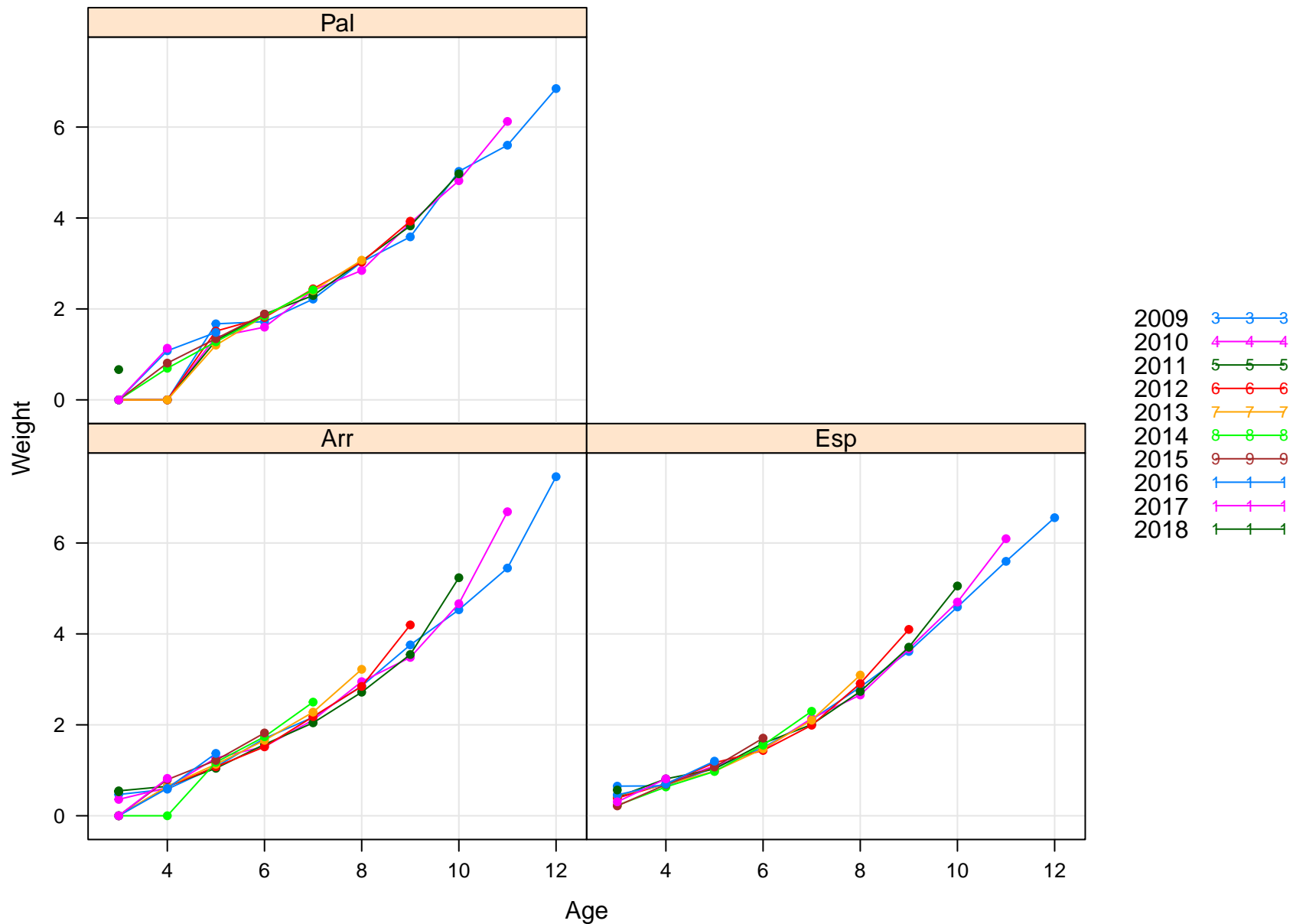
Weight at age in the fishery



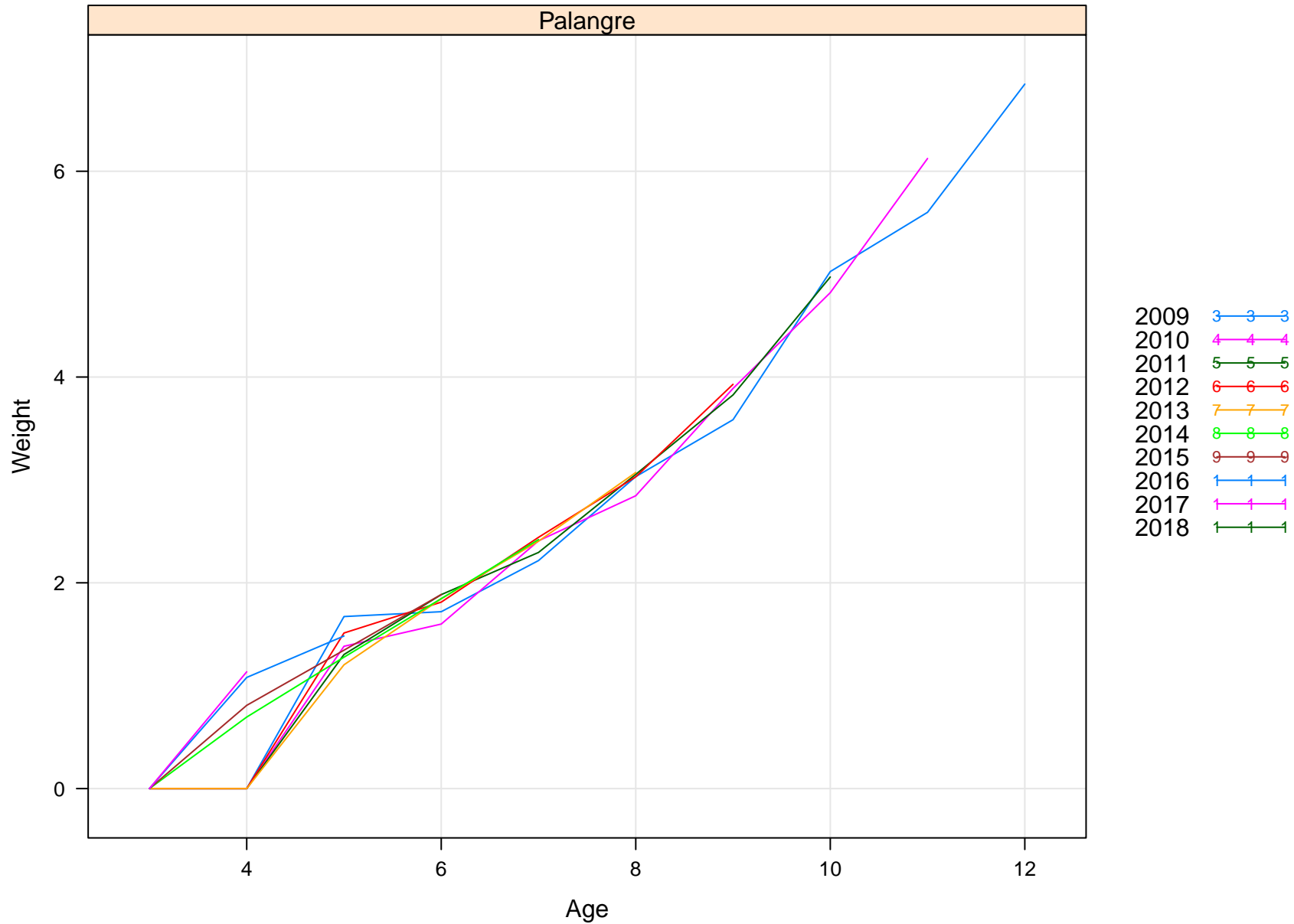
Weight at age in the survey



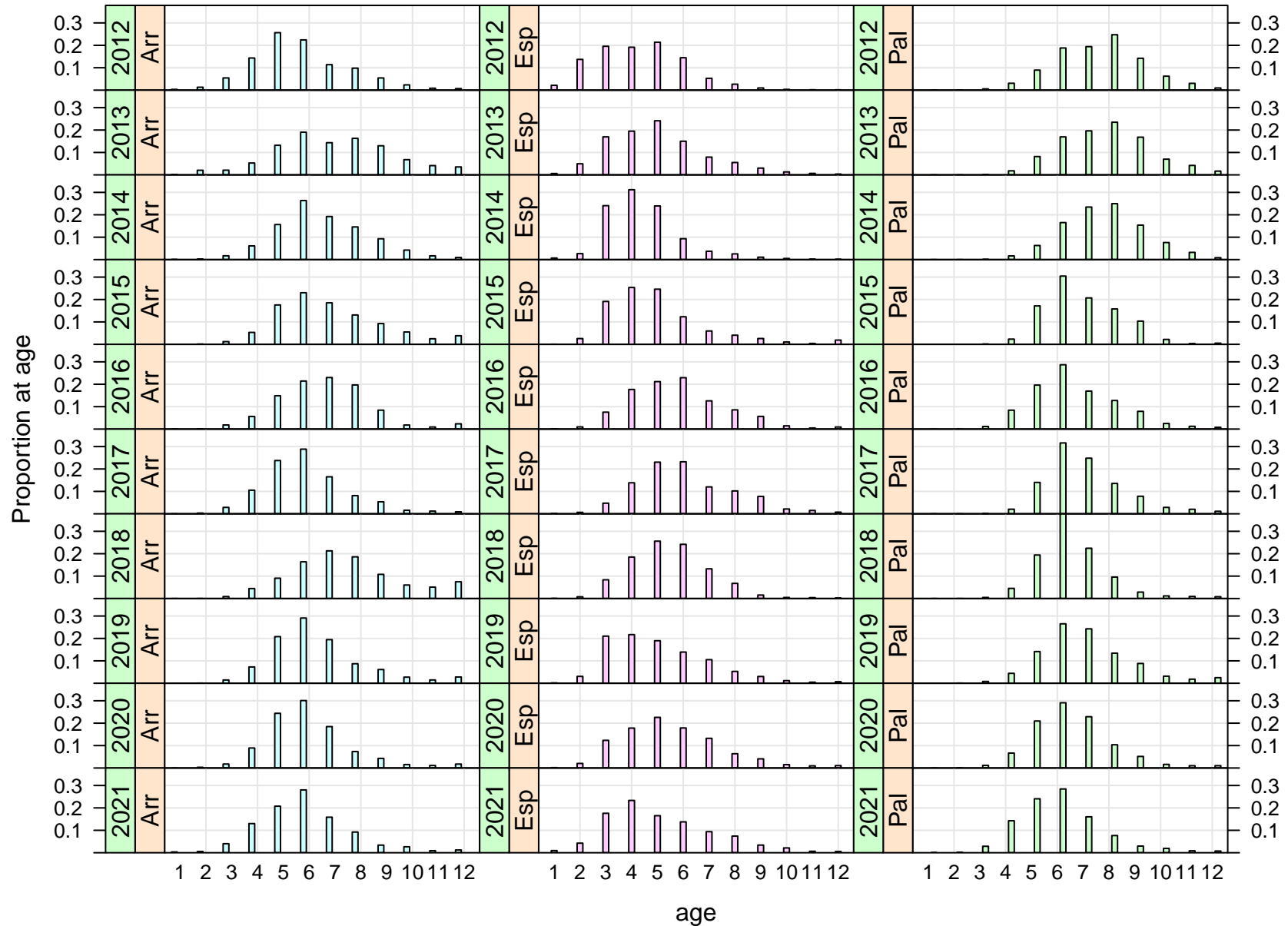
Weight at age by cohort in the fleet



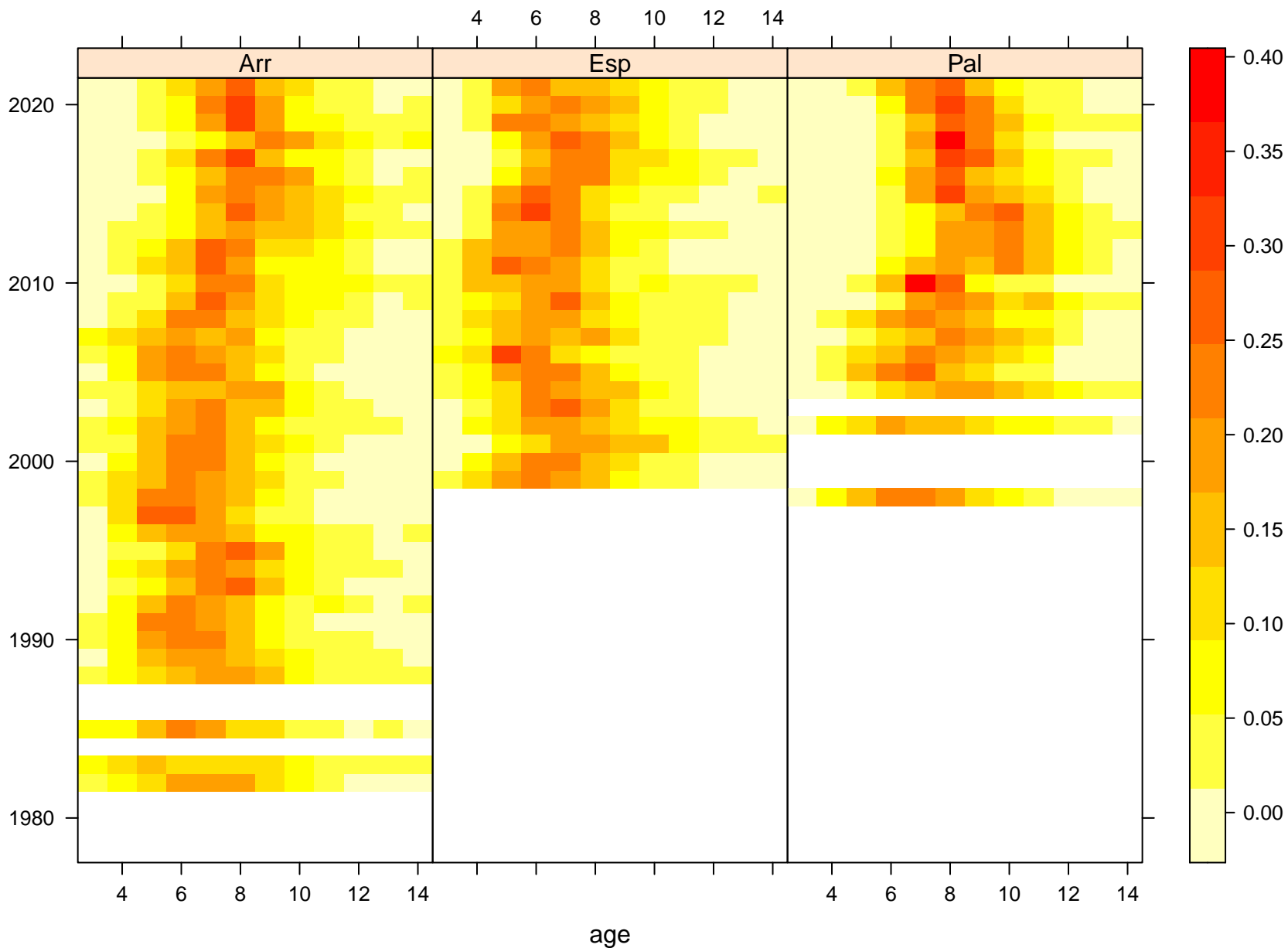
Weight at age by cohort in the survey



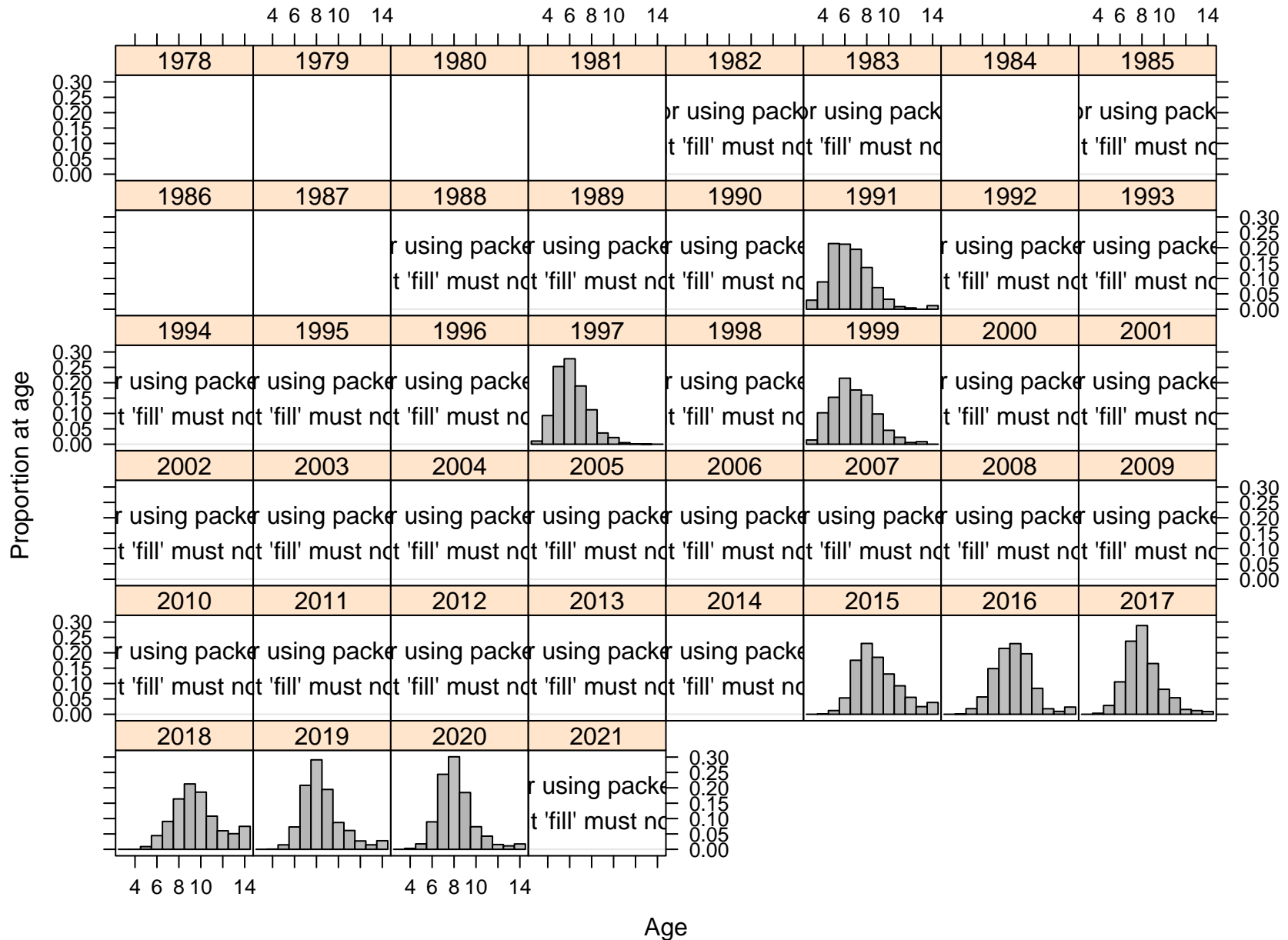
Age composition in fleets



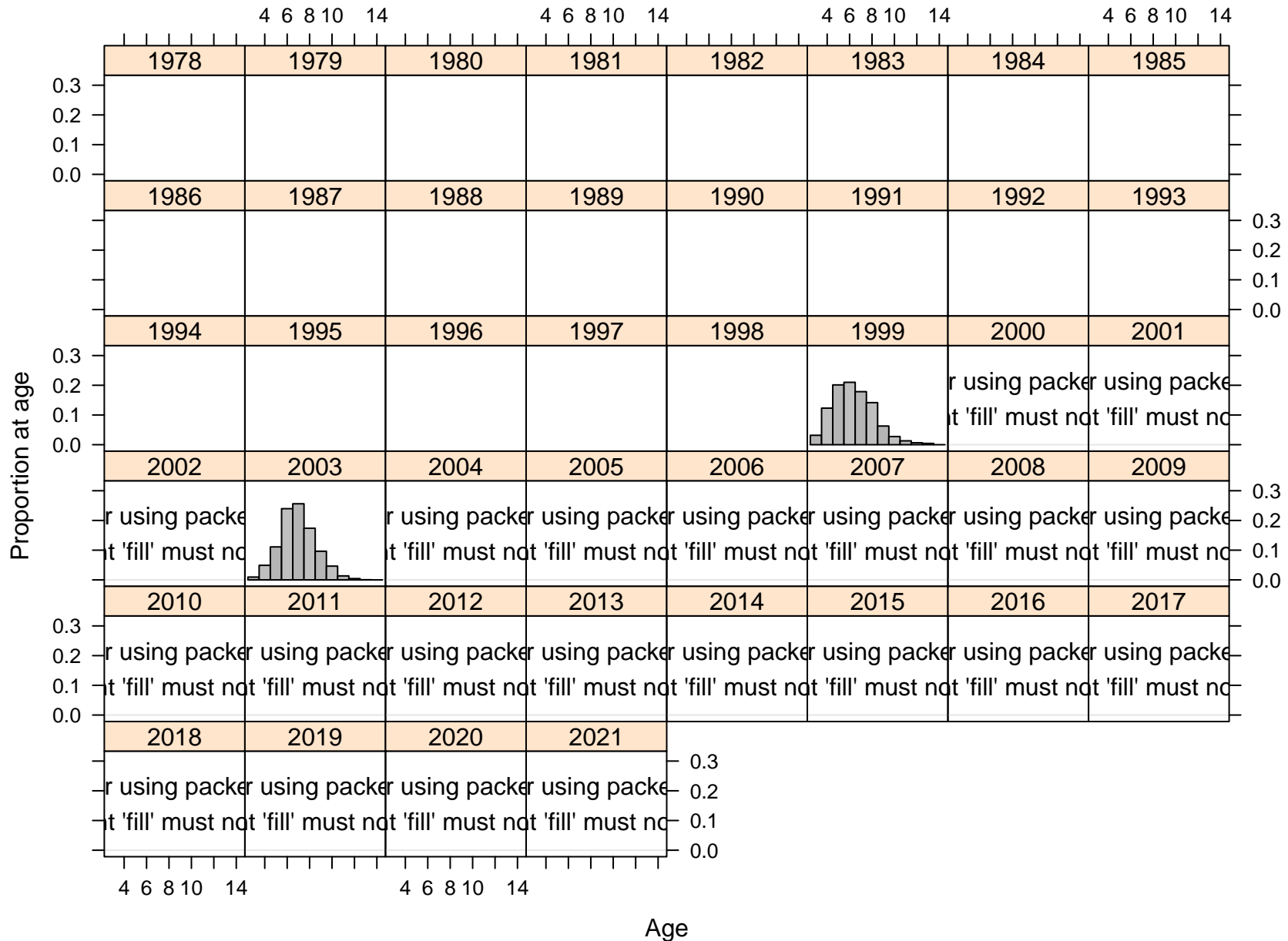
Age composition in fleets



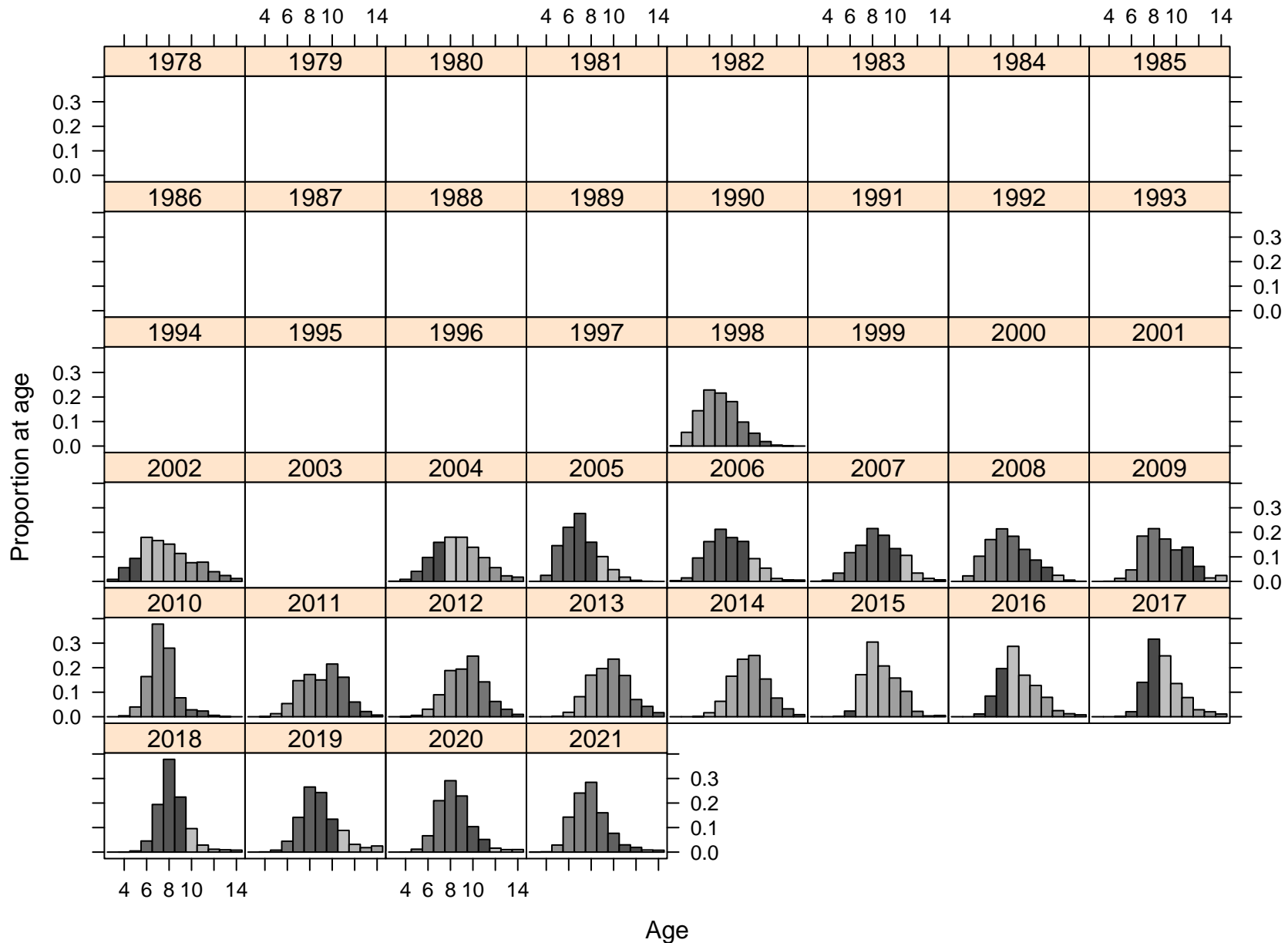
Age composition in fleets Arr



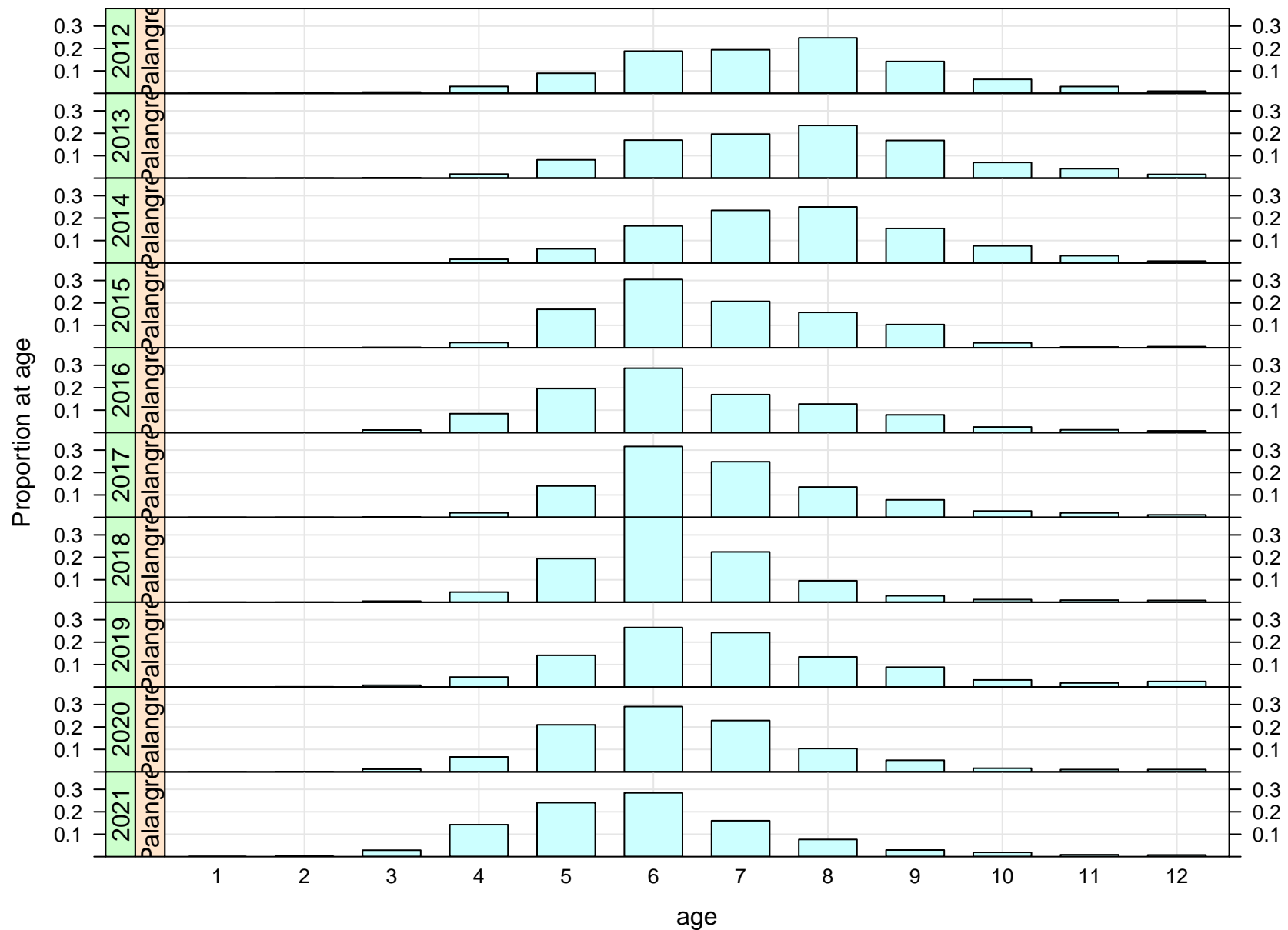
Age composition in fleets Esp



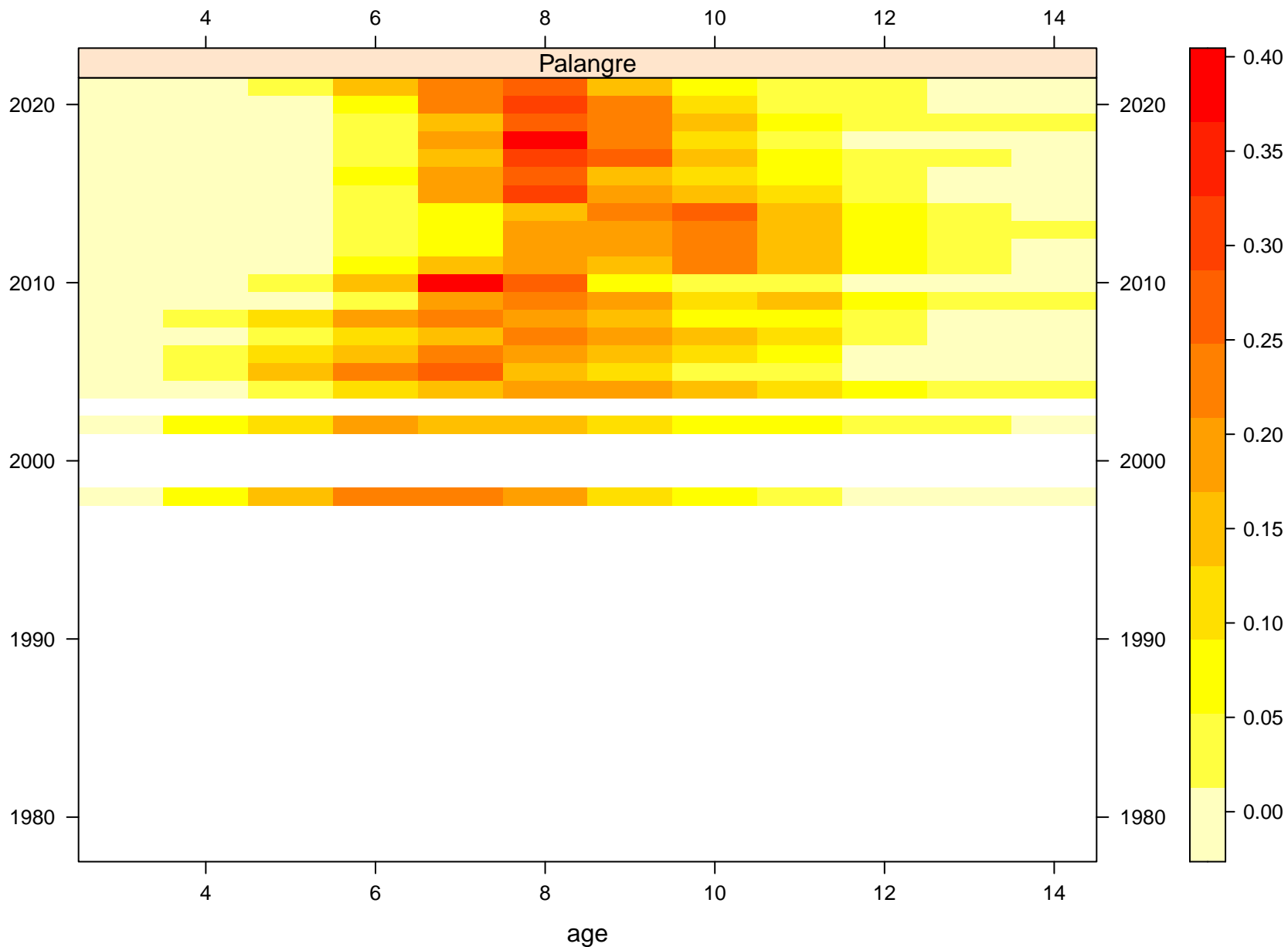
Age composition in fleets Pal



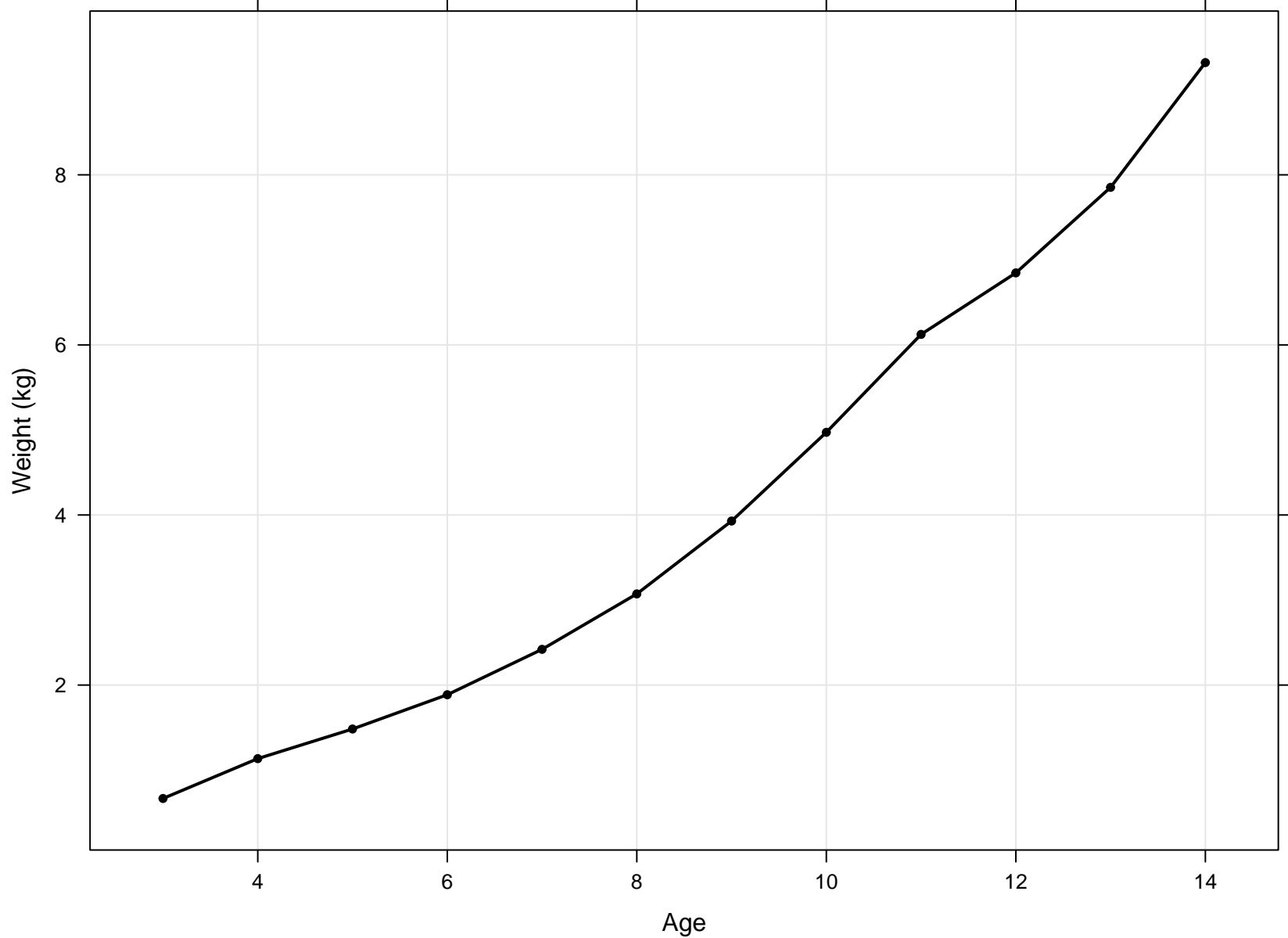
Age composition in surveys



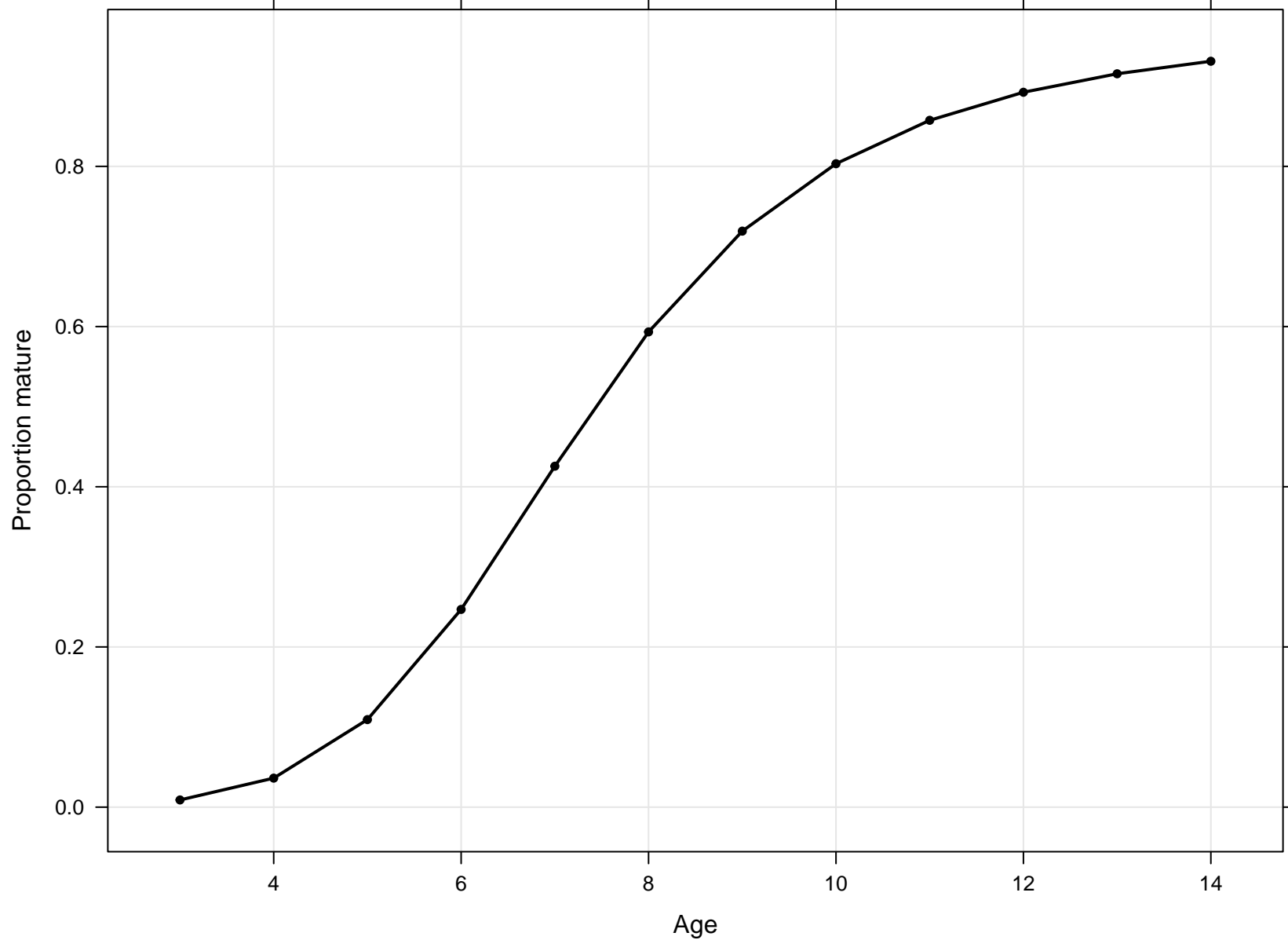
Age composition in surveys



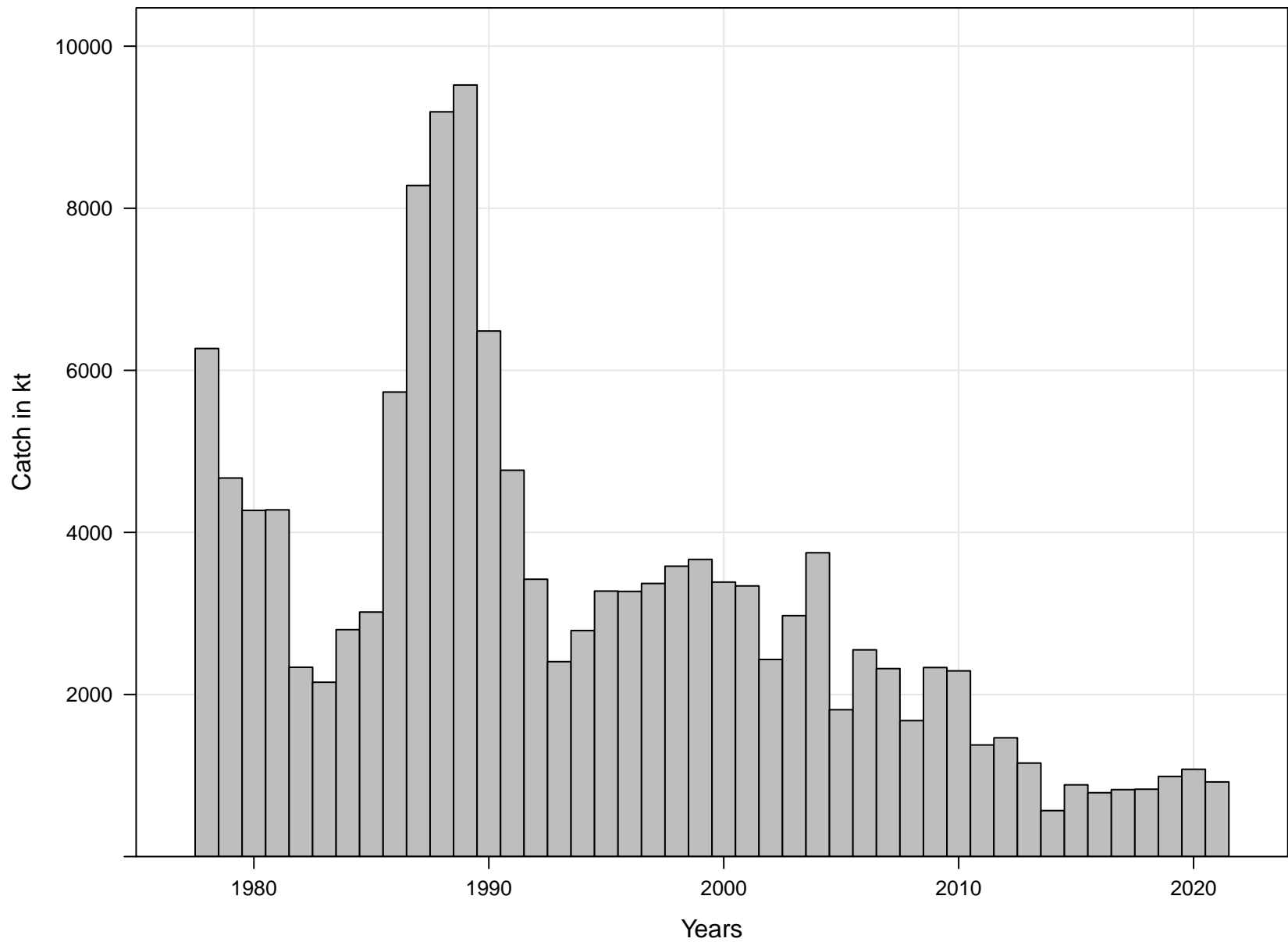
Weight in the stock



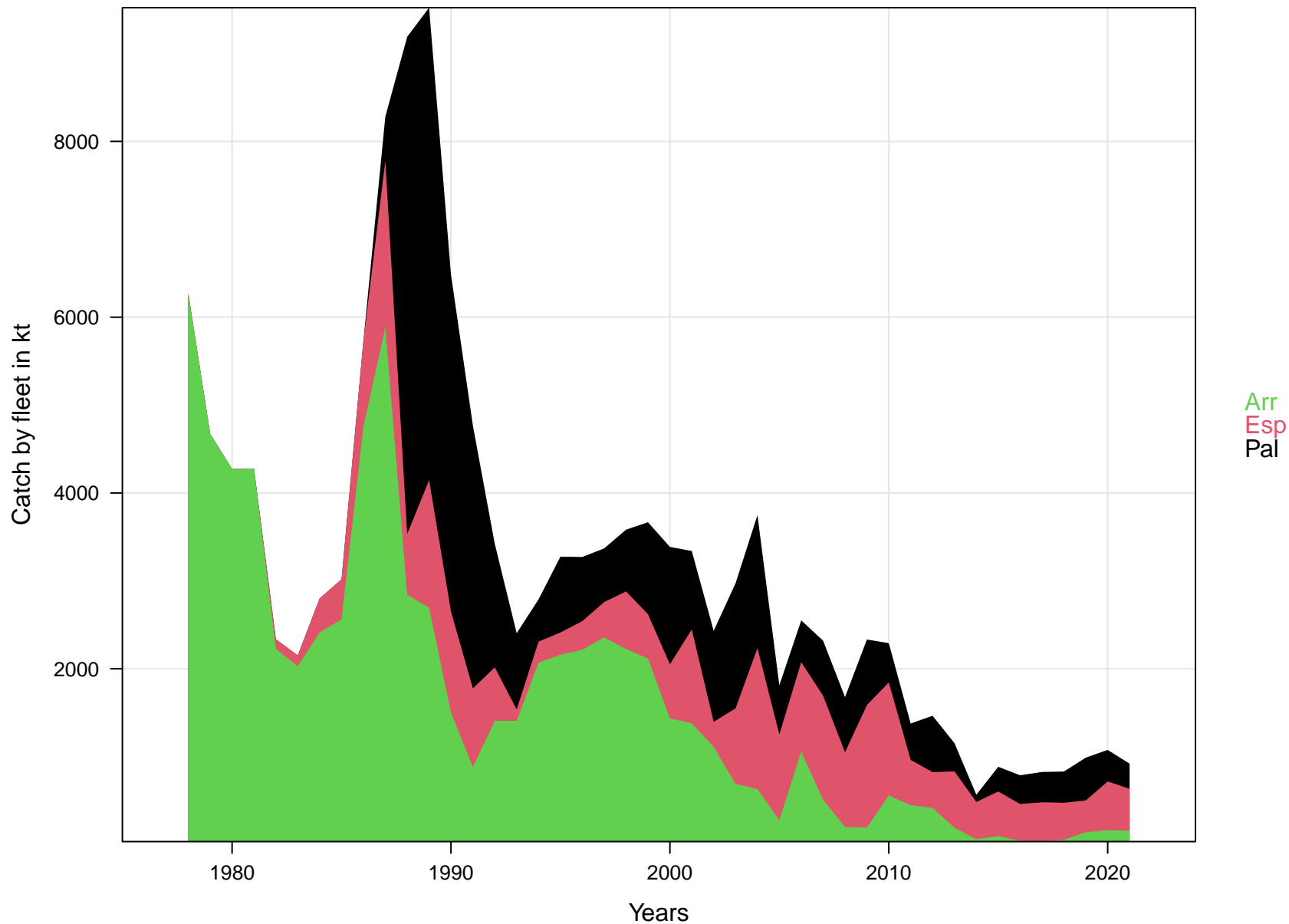
Maturity in the stock



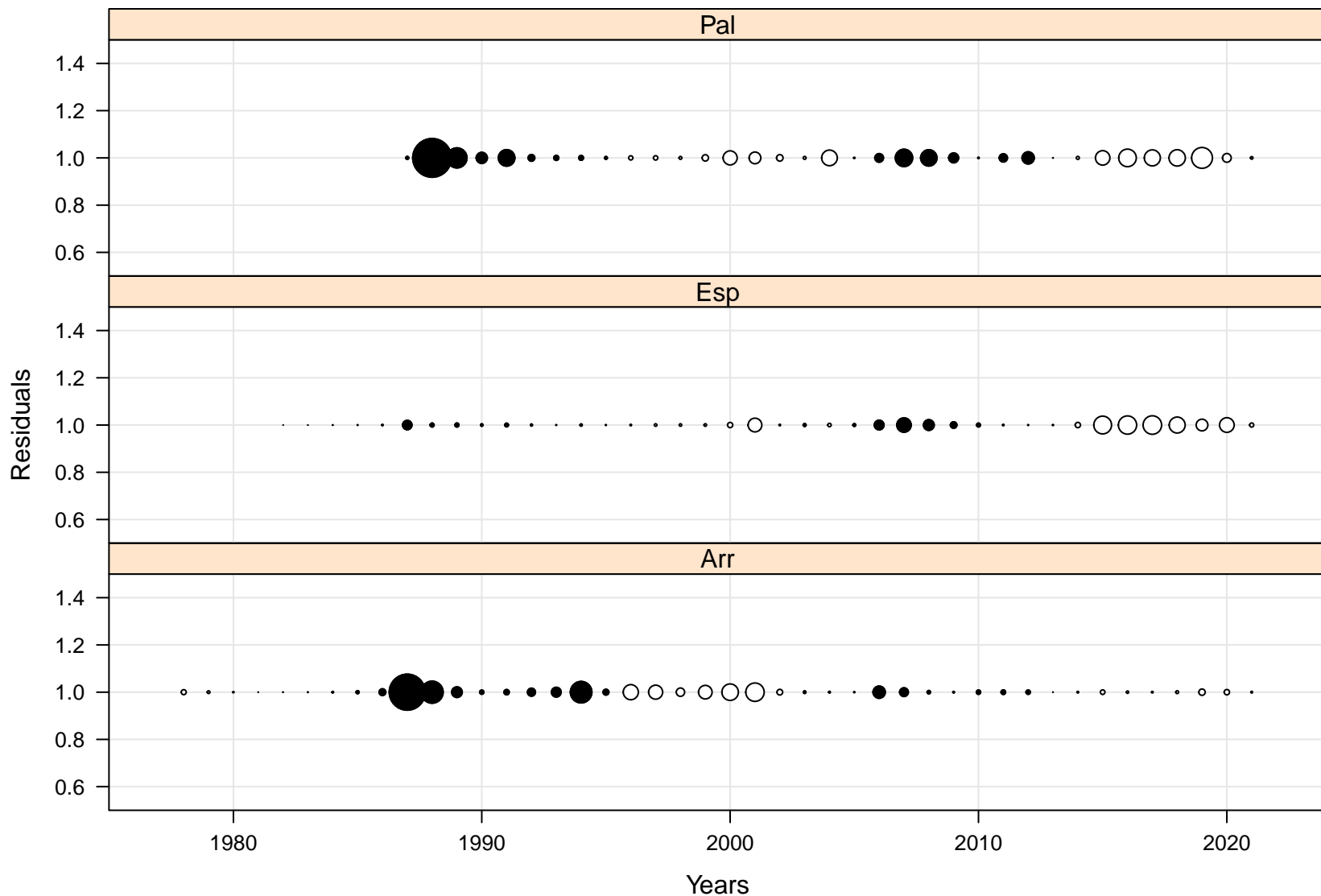
Total catch

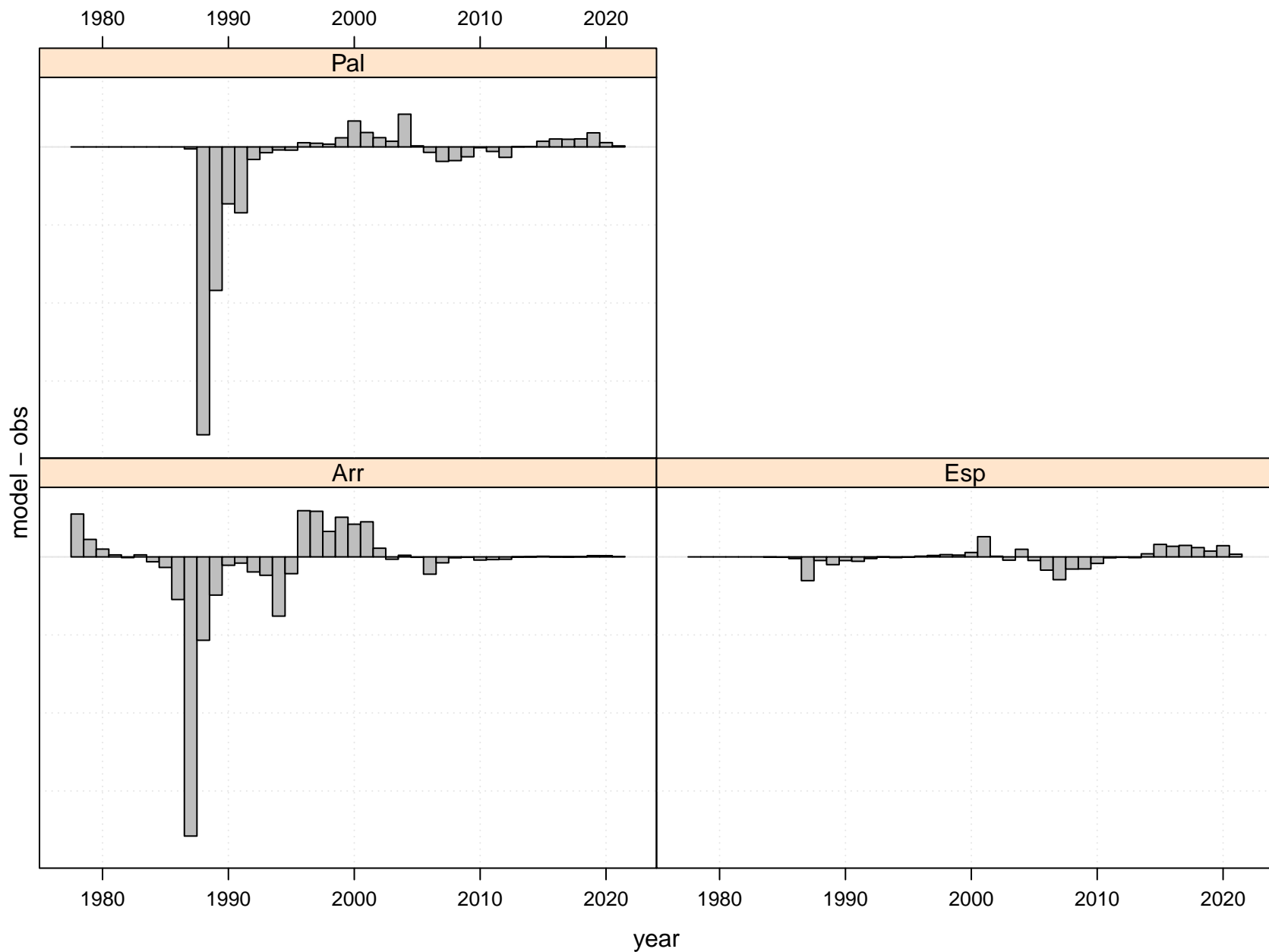


Total catch by fleet

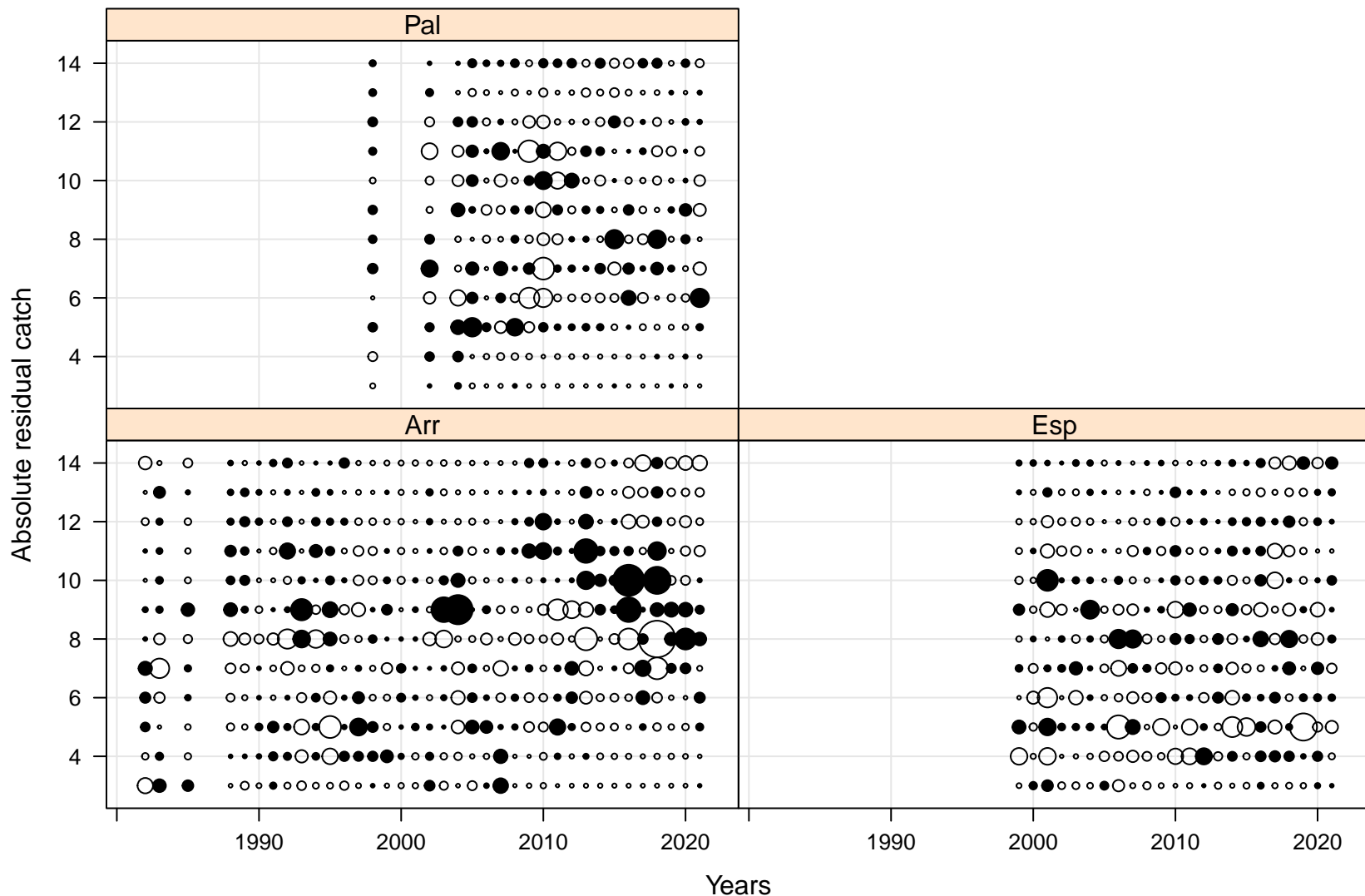
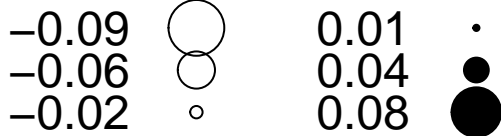


Catch residuals by fleet





Absolute residual catch by fleet

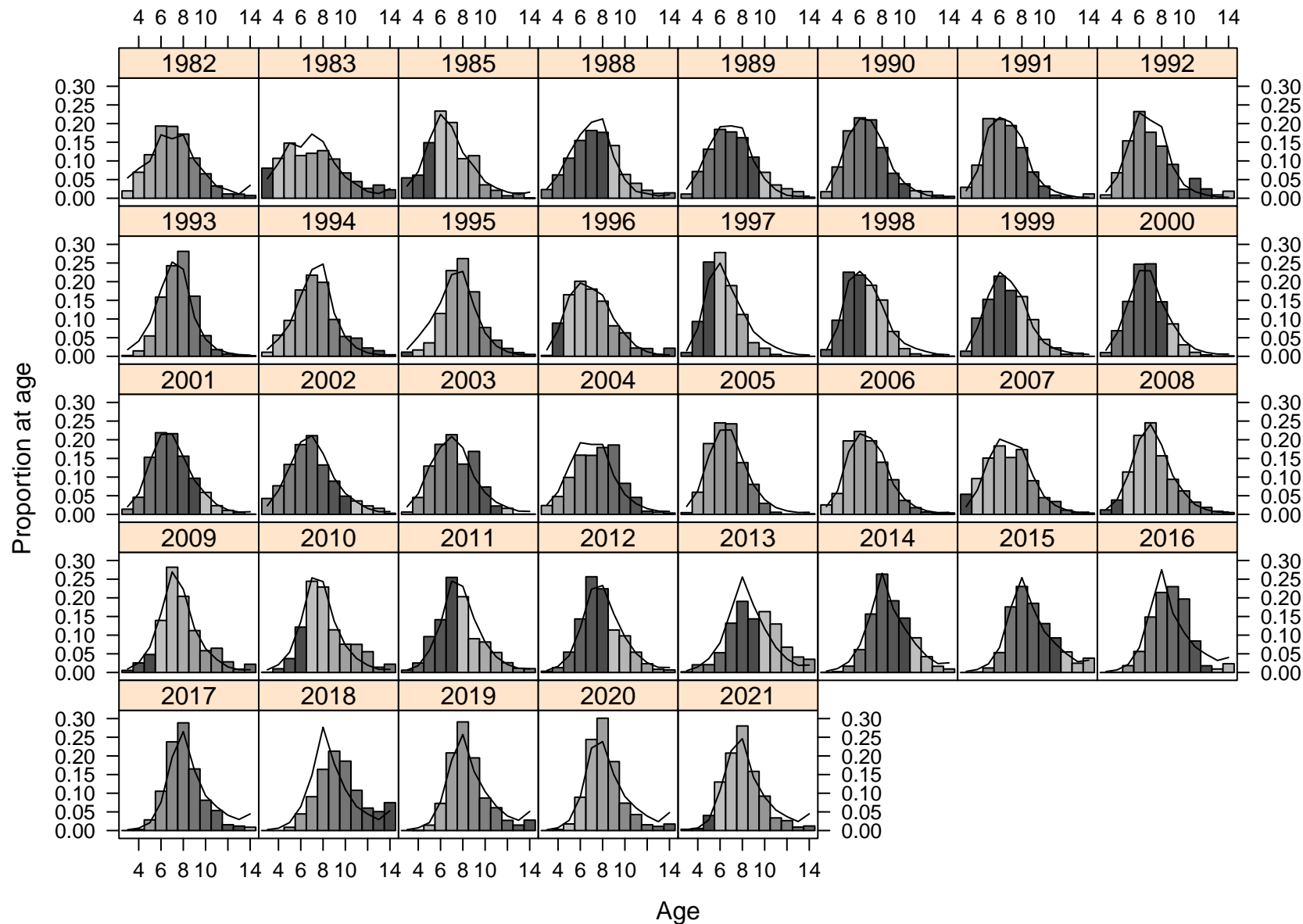


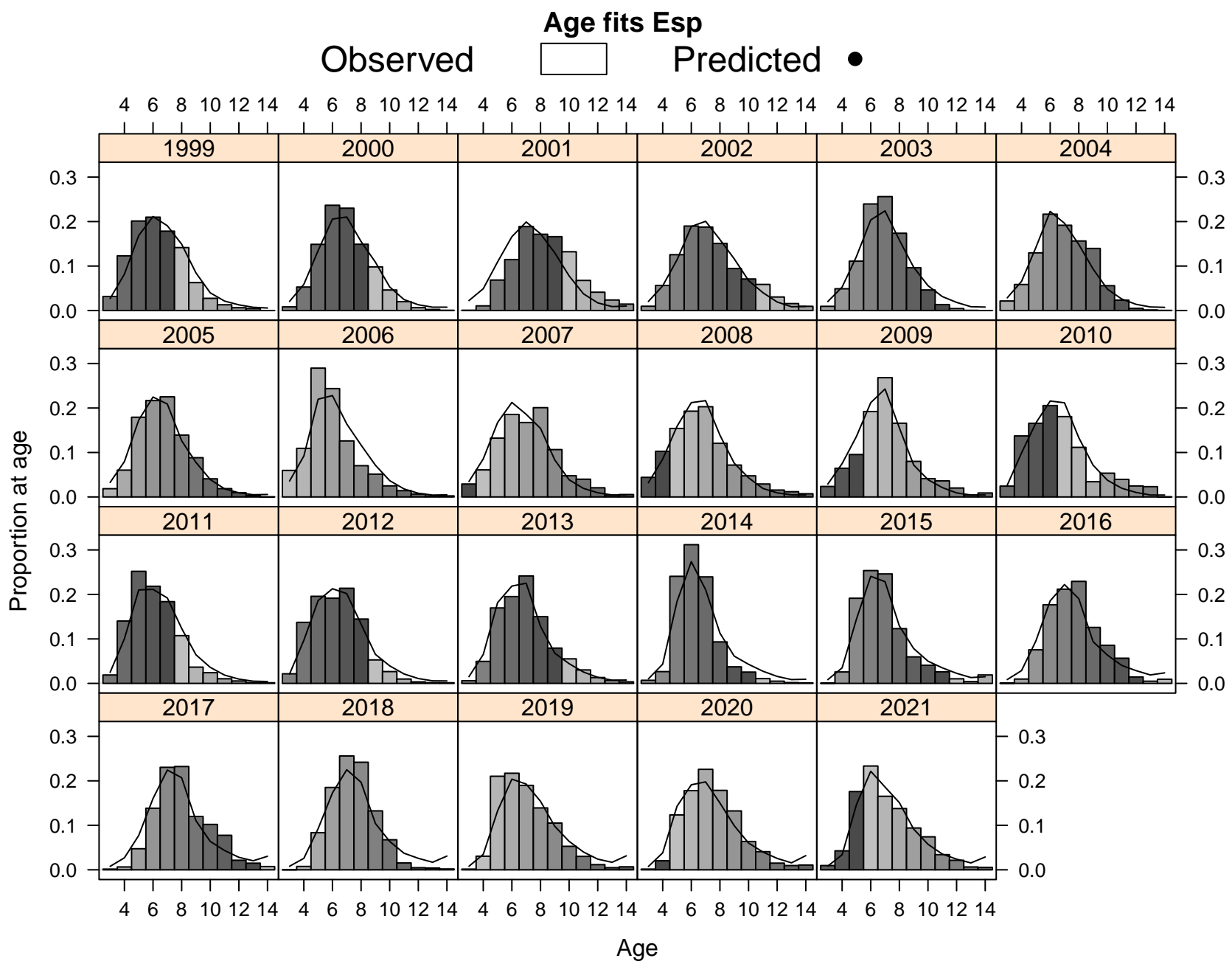
Age fits Arr

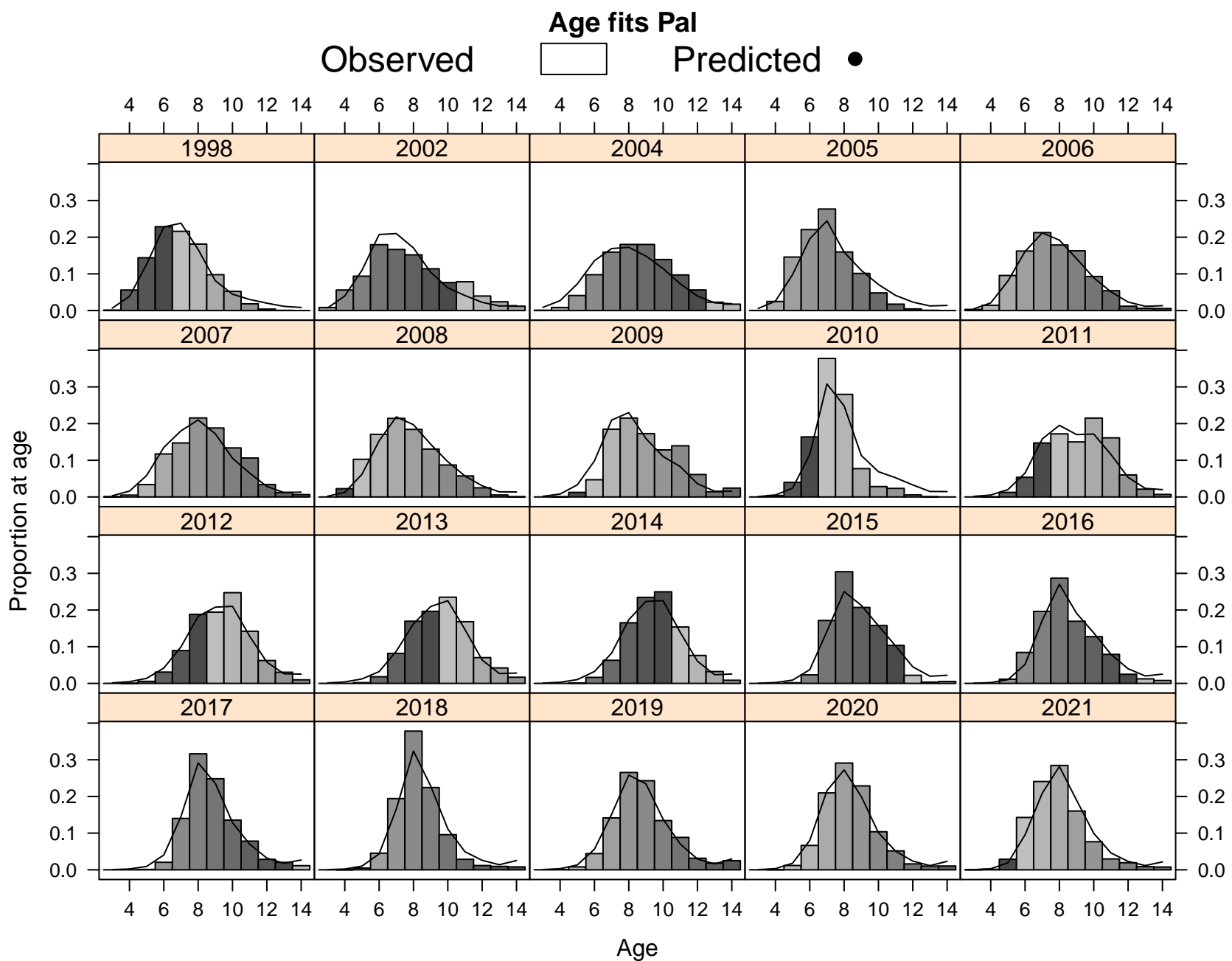
Observed



Predicted





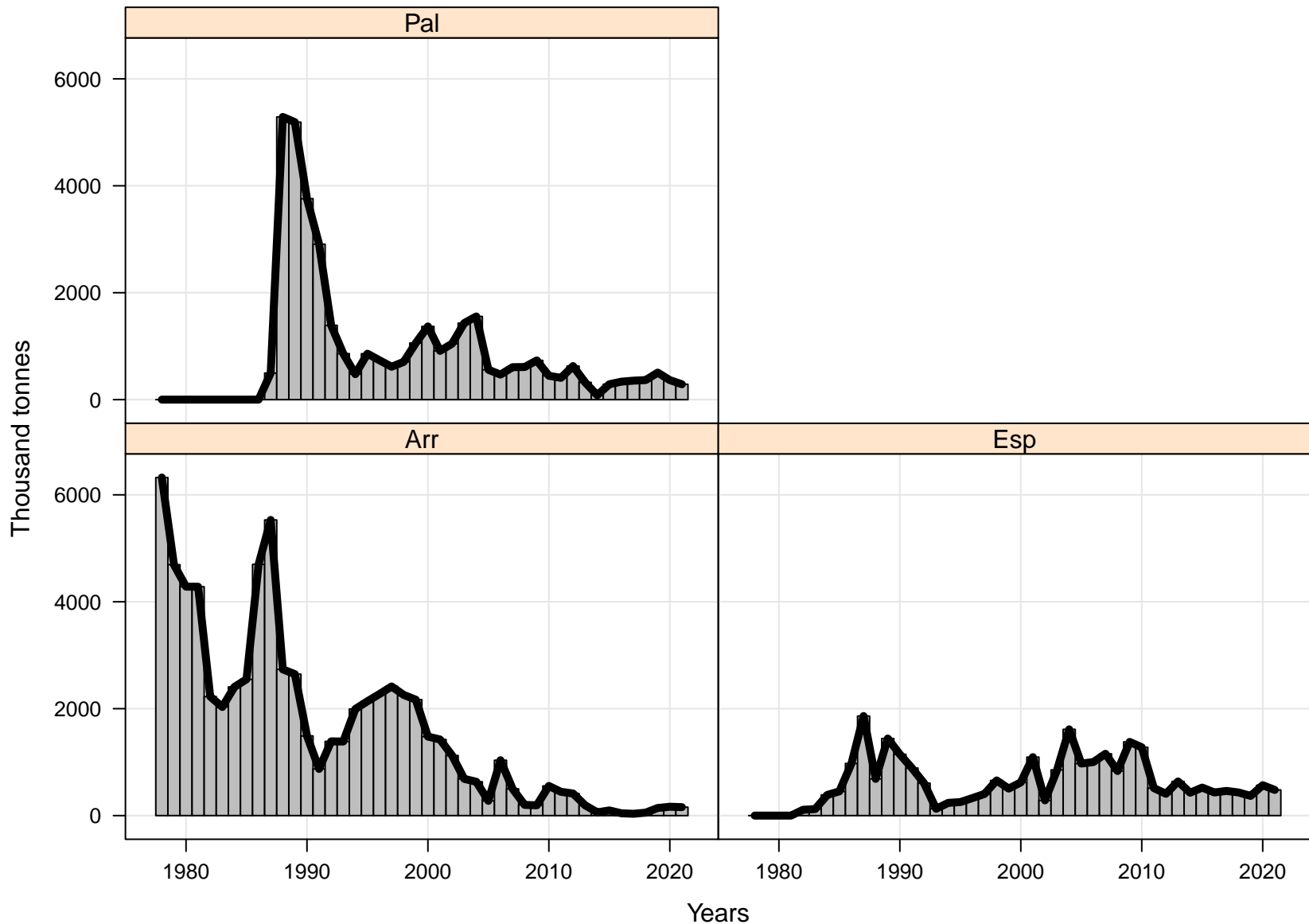


Predicted and observed catches by fleet

Observed



Predicted



Predicted and observed indices

Observed • Predicted —

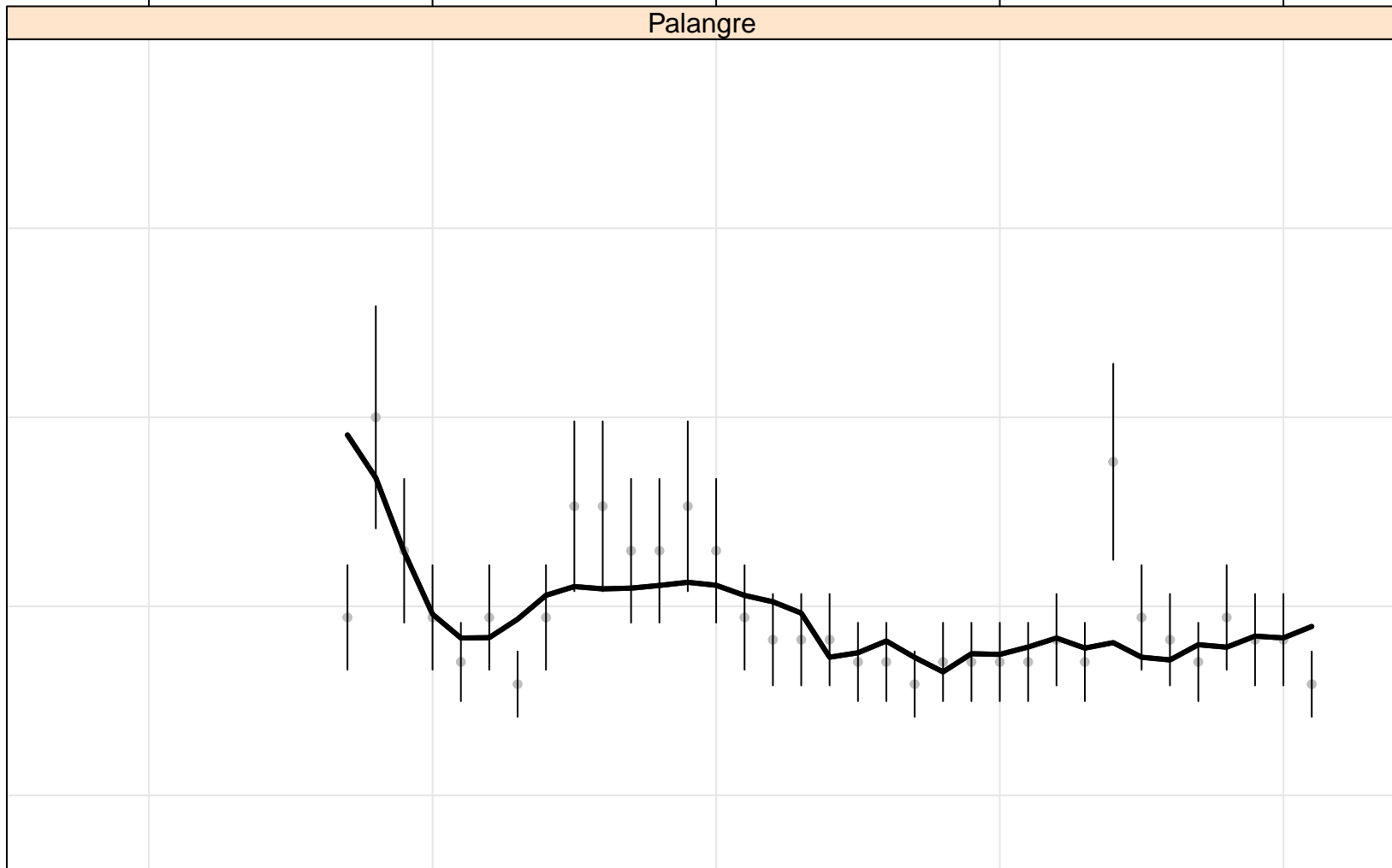
1980 1990 2000 2010 2020

Palangre

Normalized index value

1980 1990 2000 2010 2020

Years

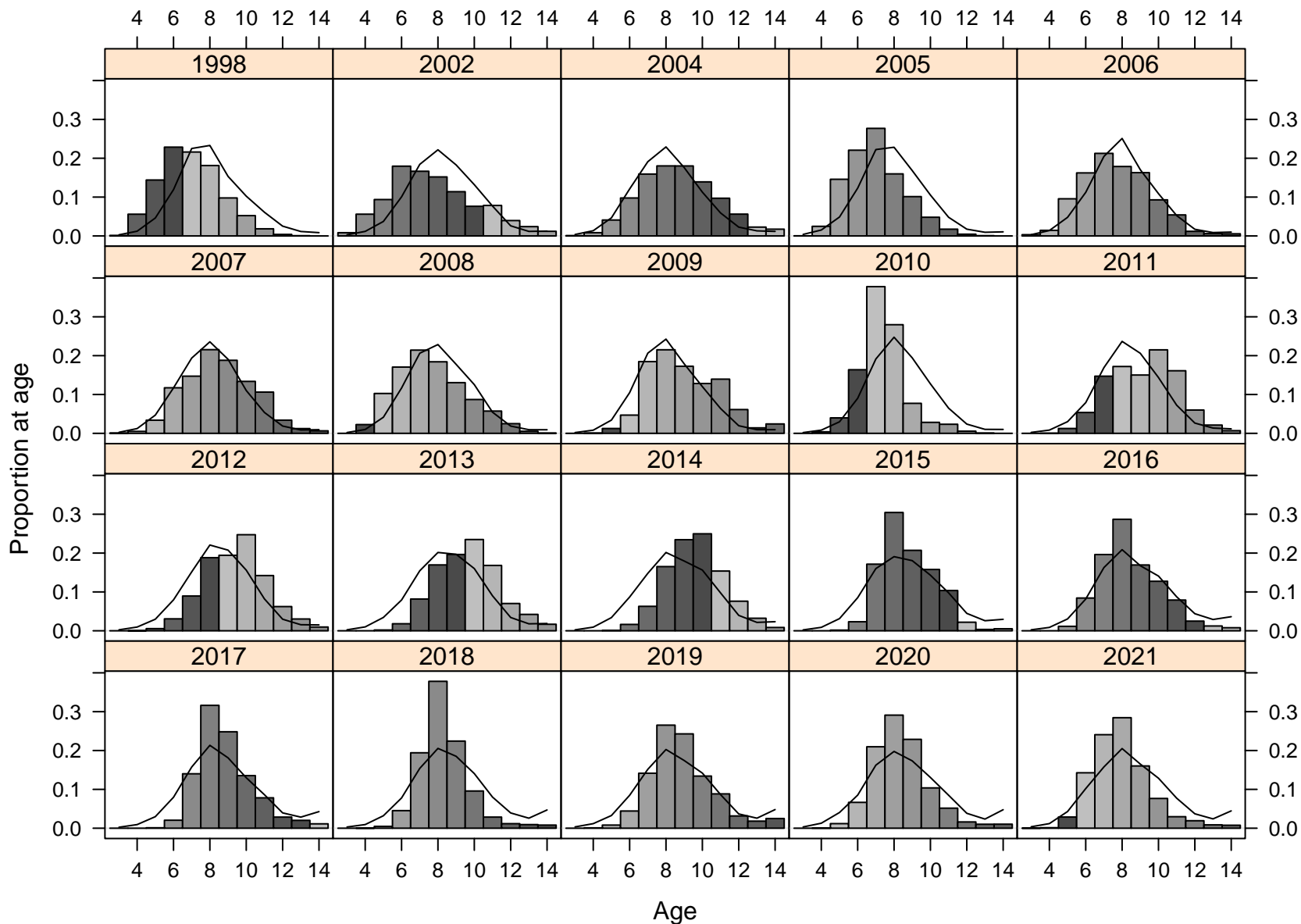


Age fits Palangre

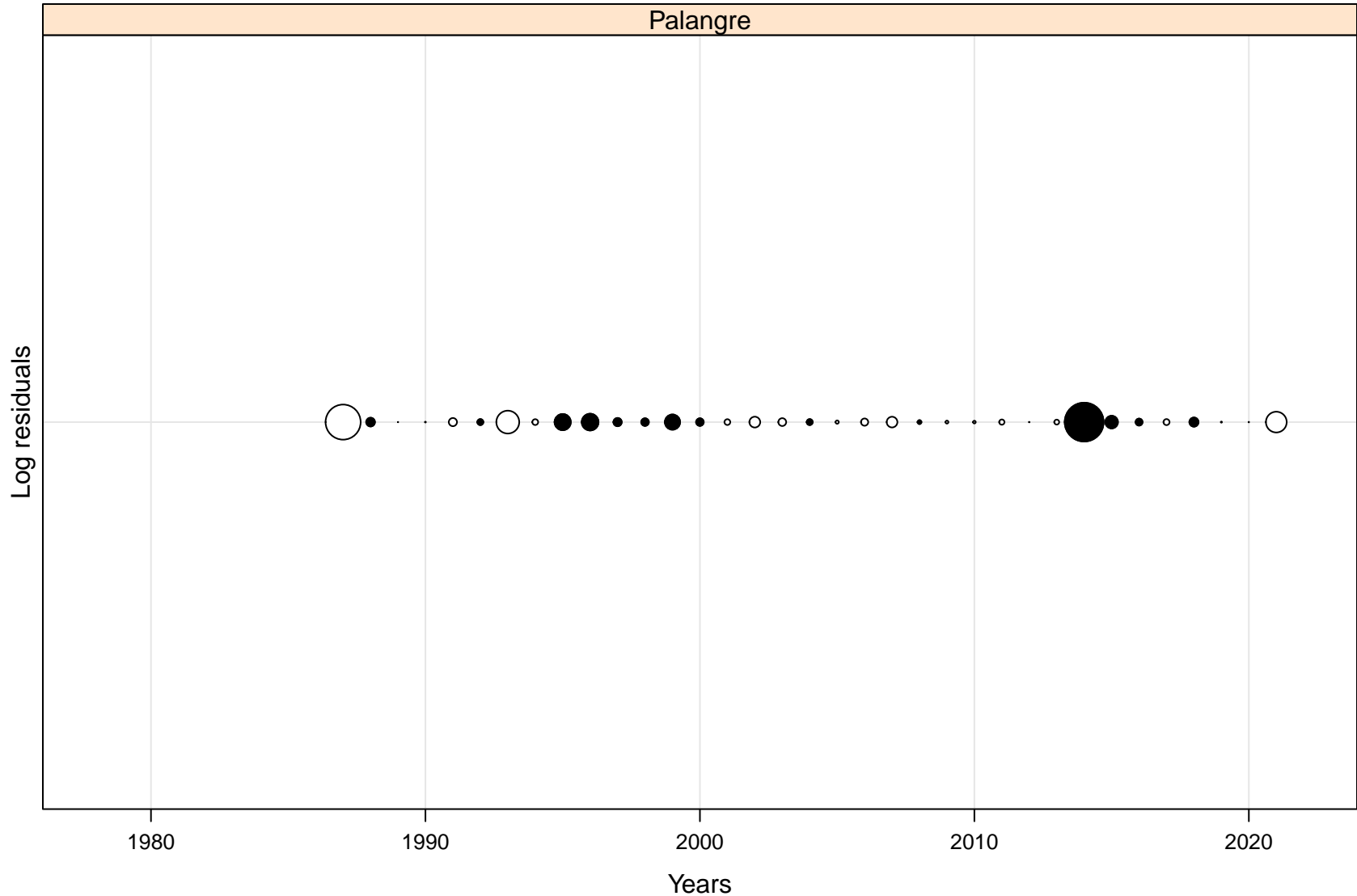
Observed



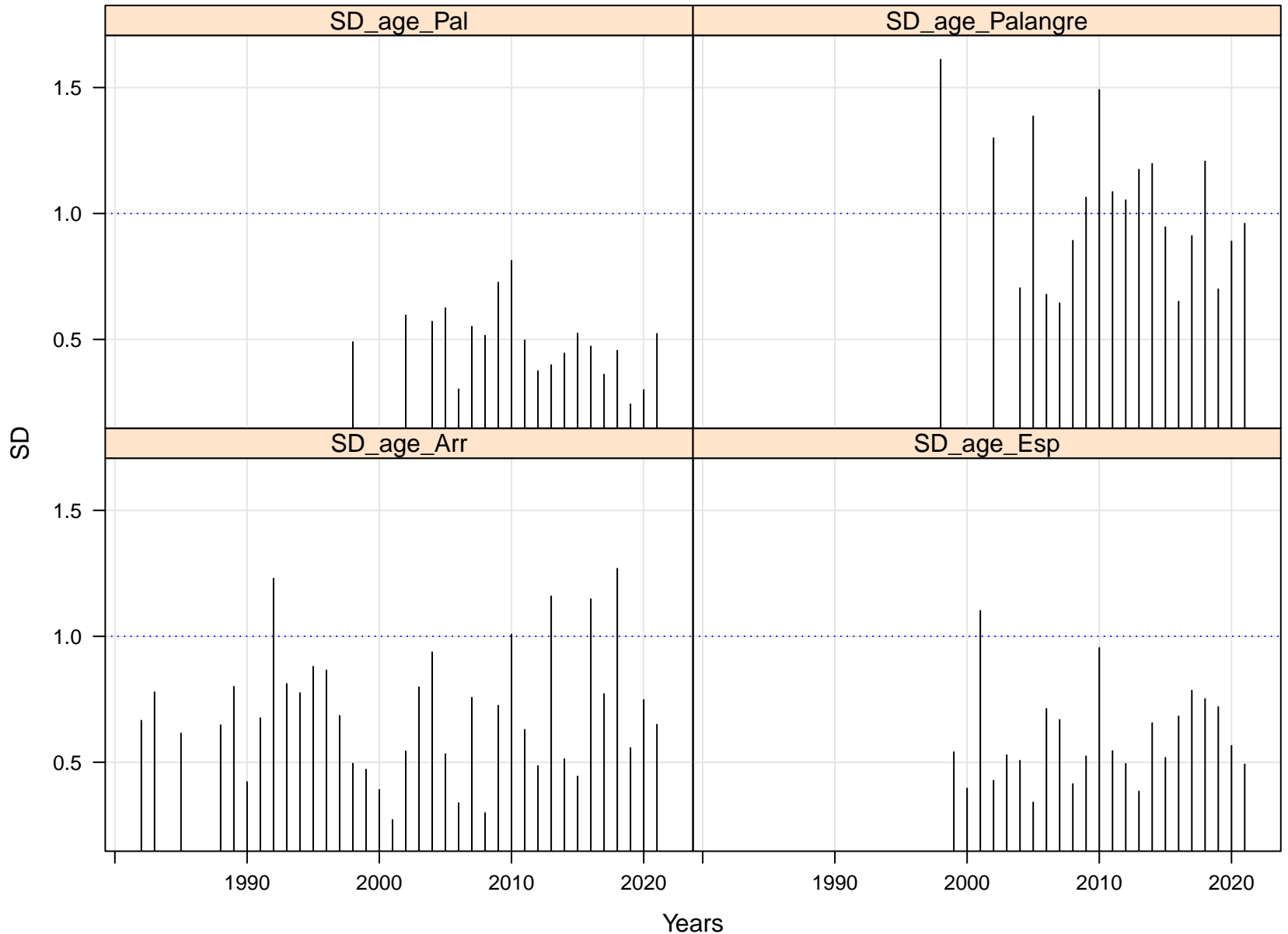
Predicted



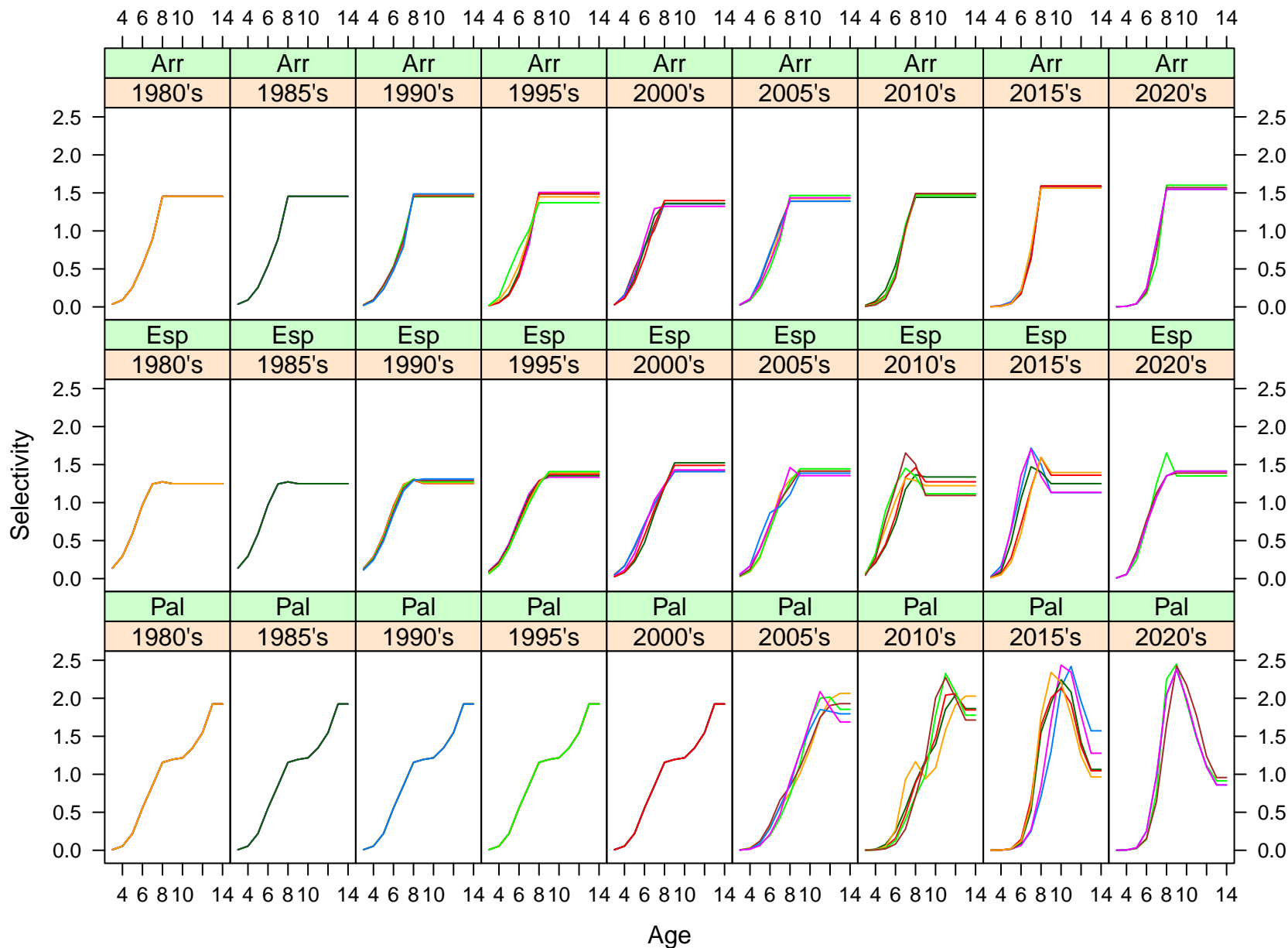
Standardized survey residuals



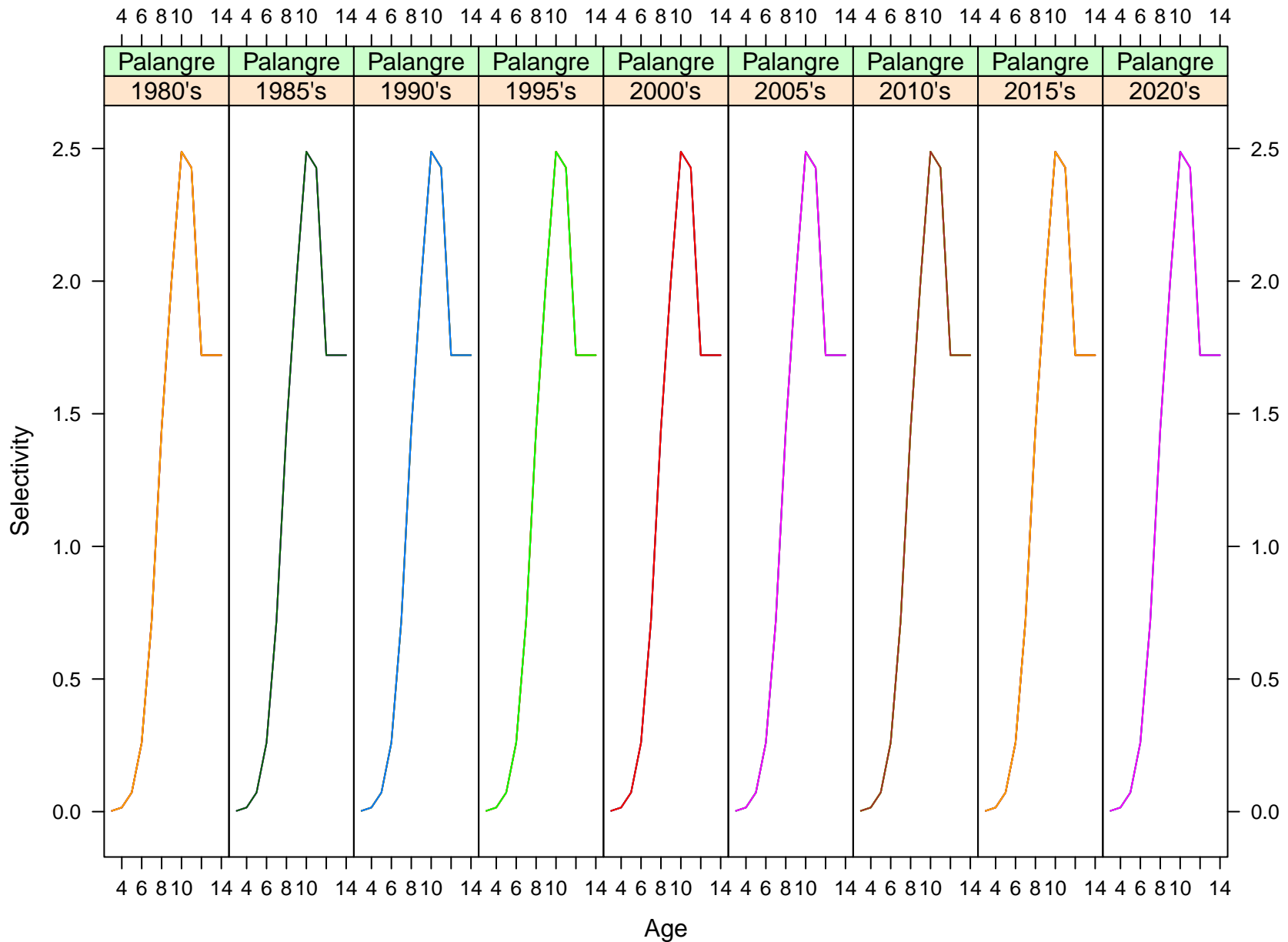
SD per input series



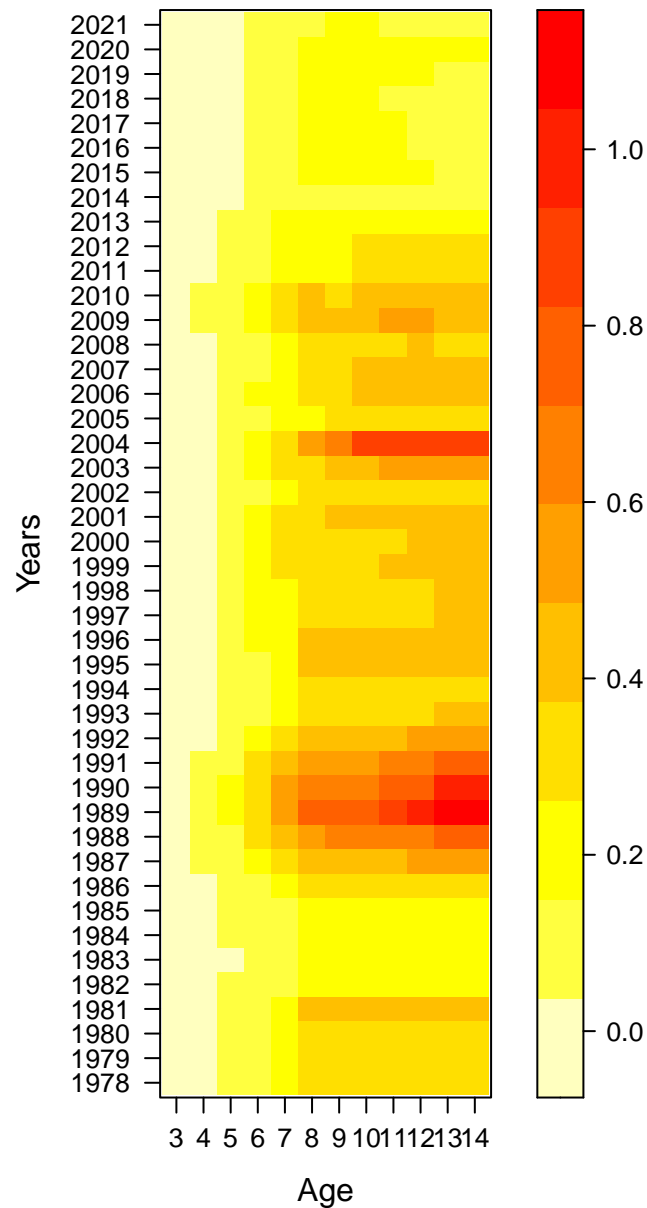
Selectivity of the Fishery by Pentad



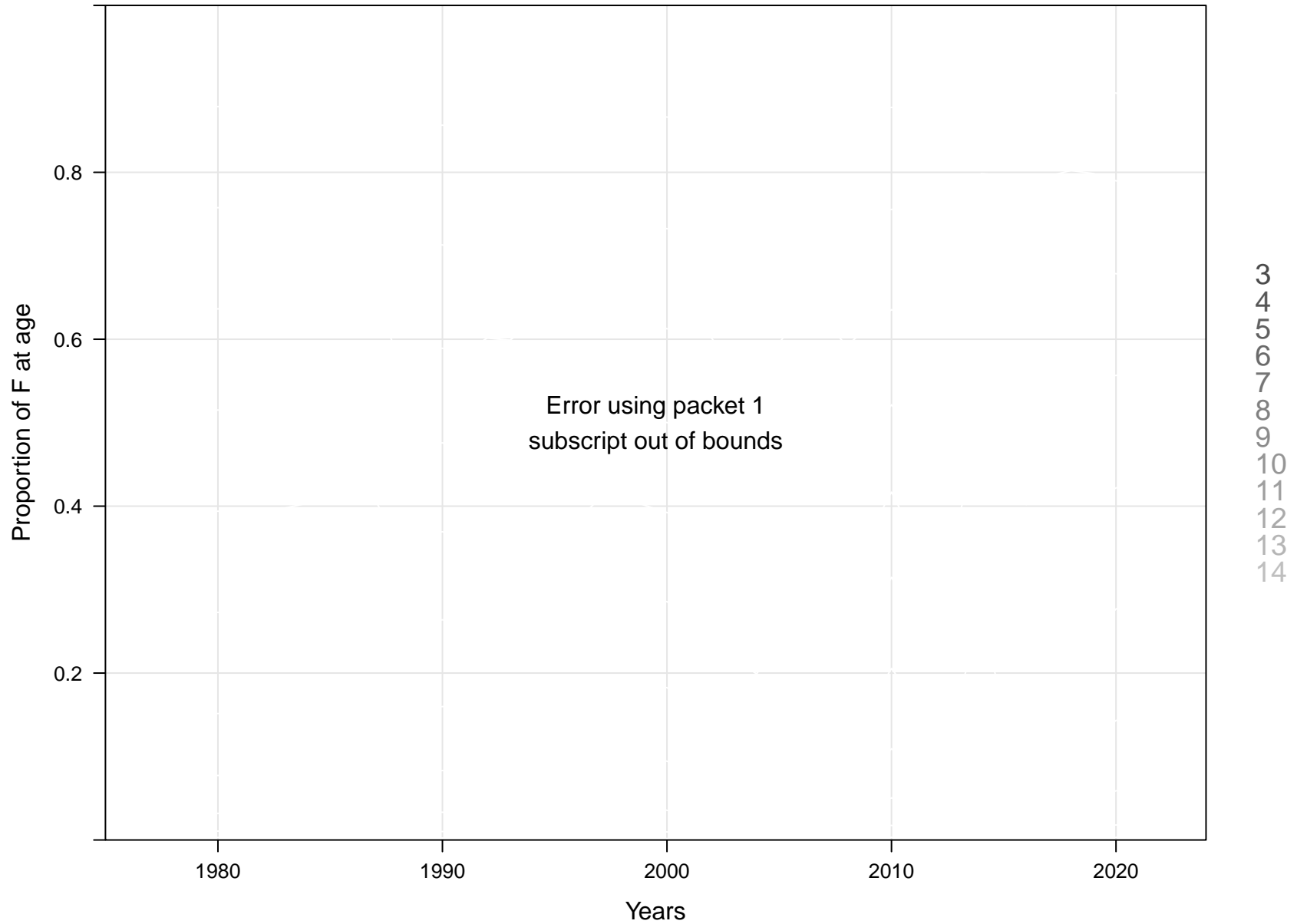
Selectivity of the survey by Pentad



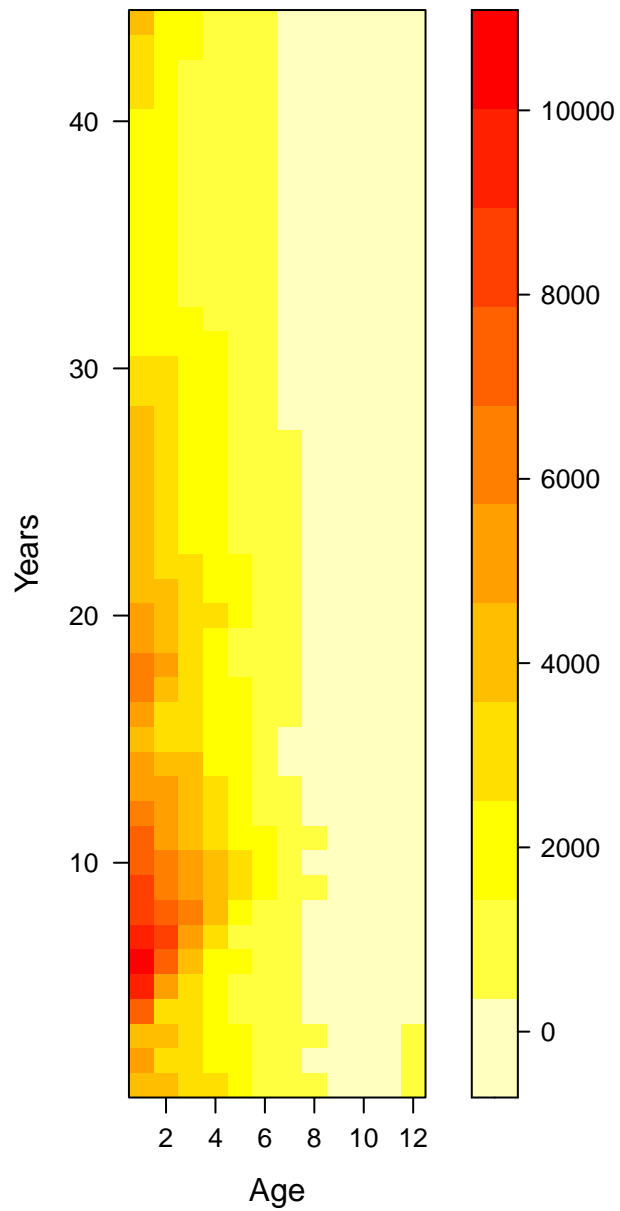
F at age



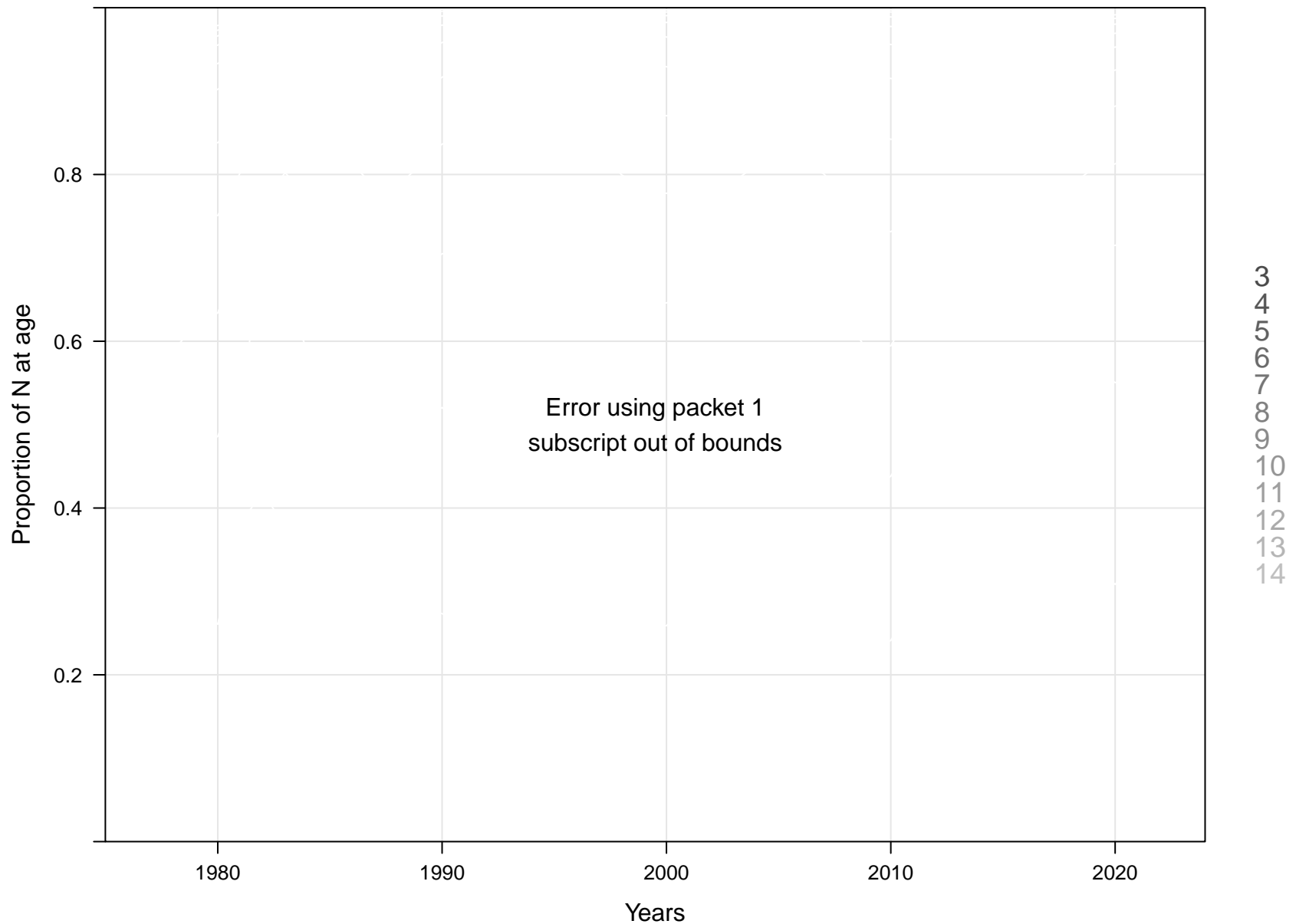
F proportion at age



N at age



Proportion at age

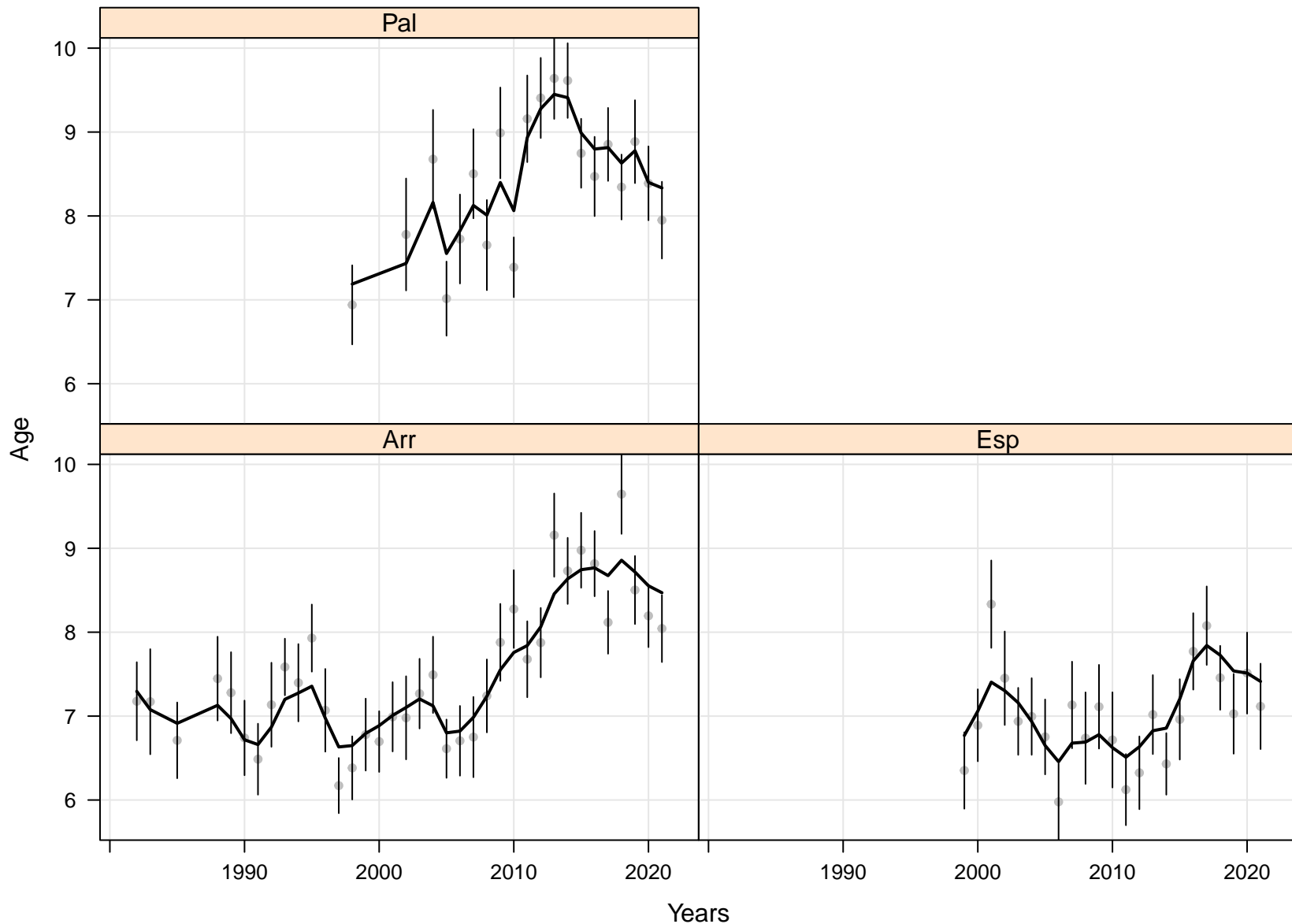


Fishery mean age

Observed



Modelled

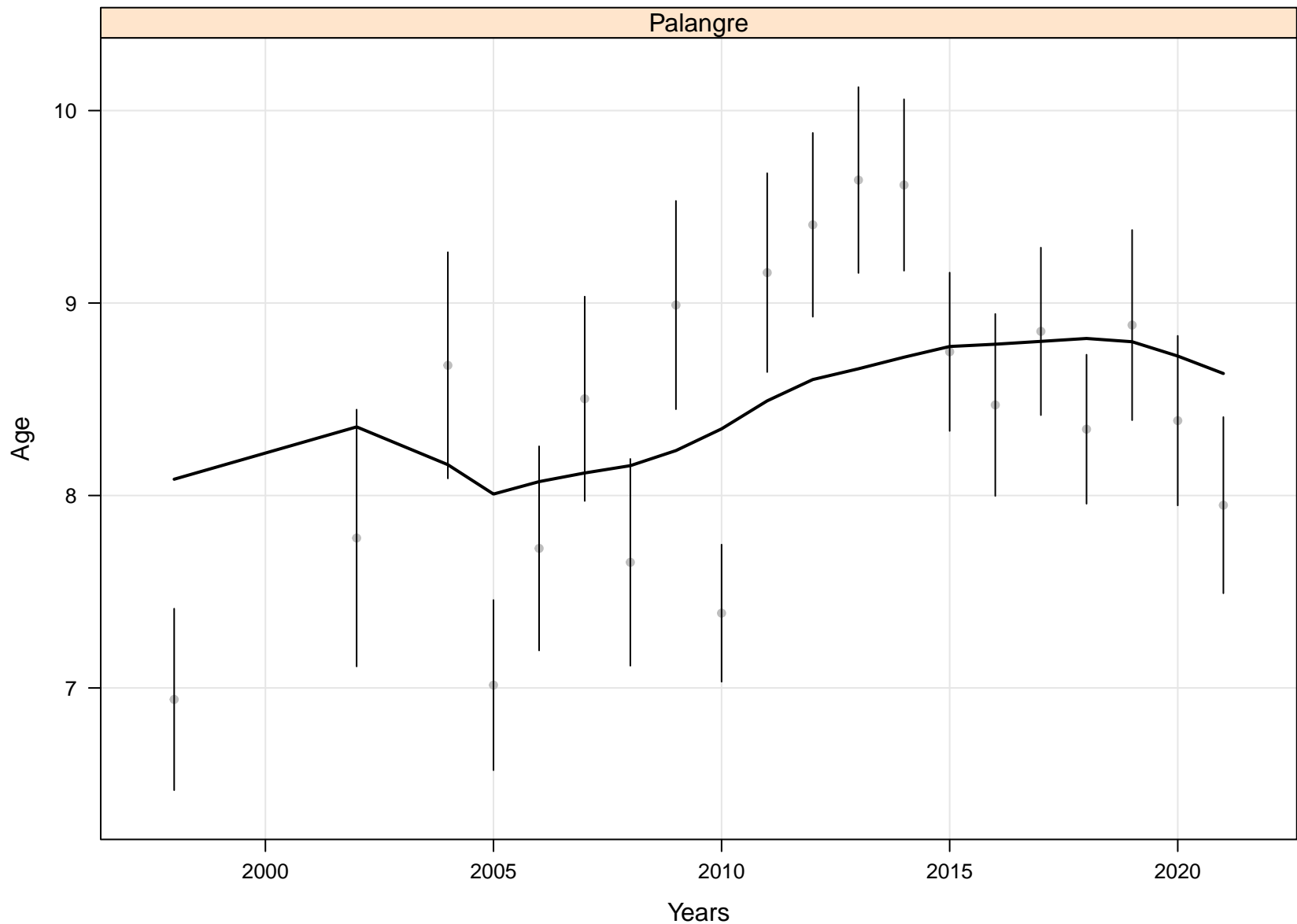


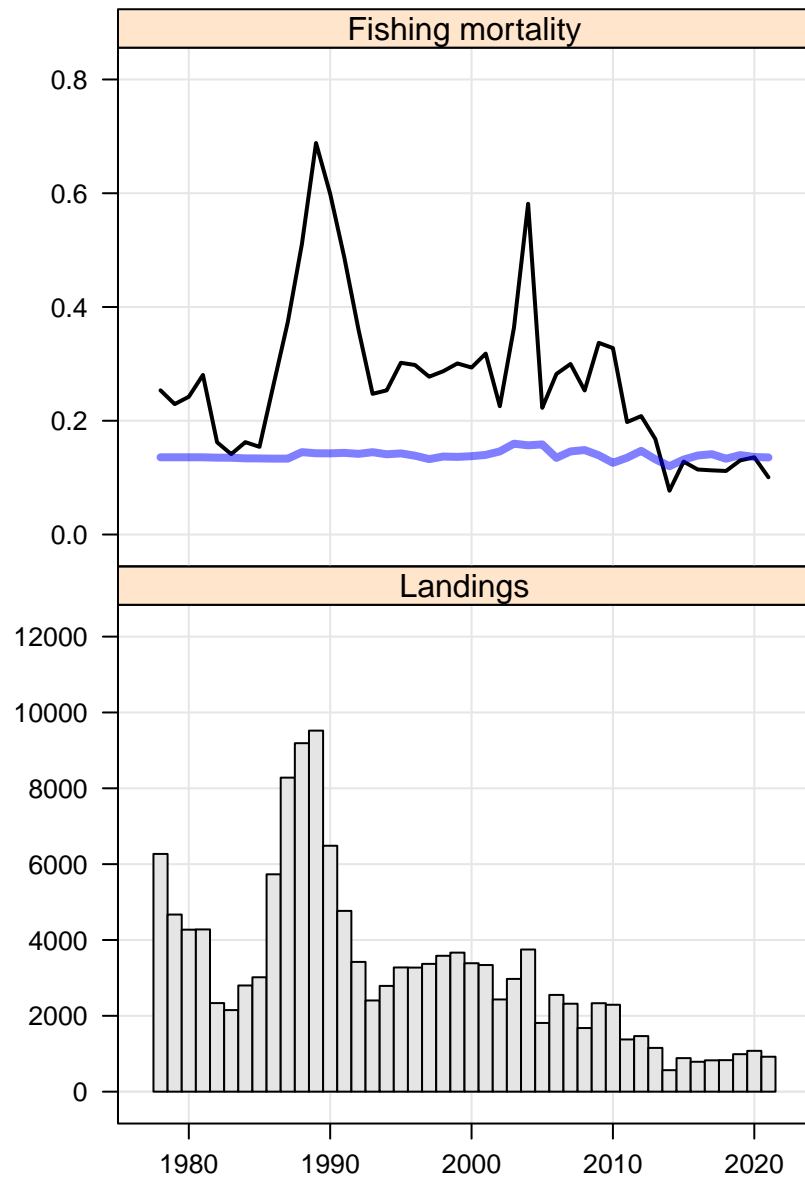
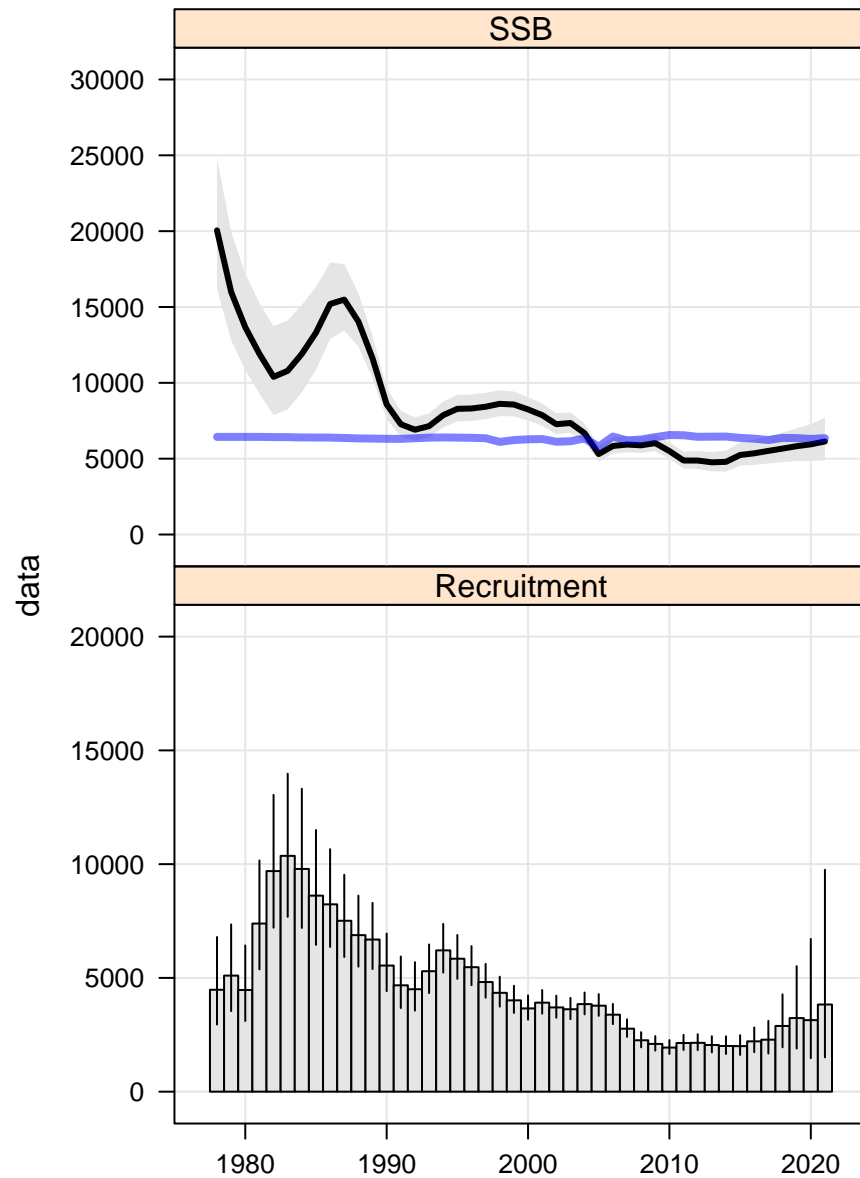
Survey mean age

Observed

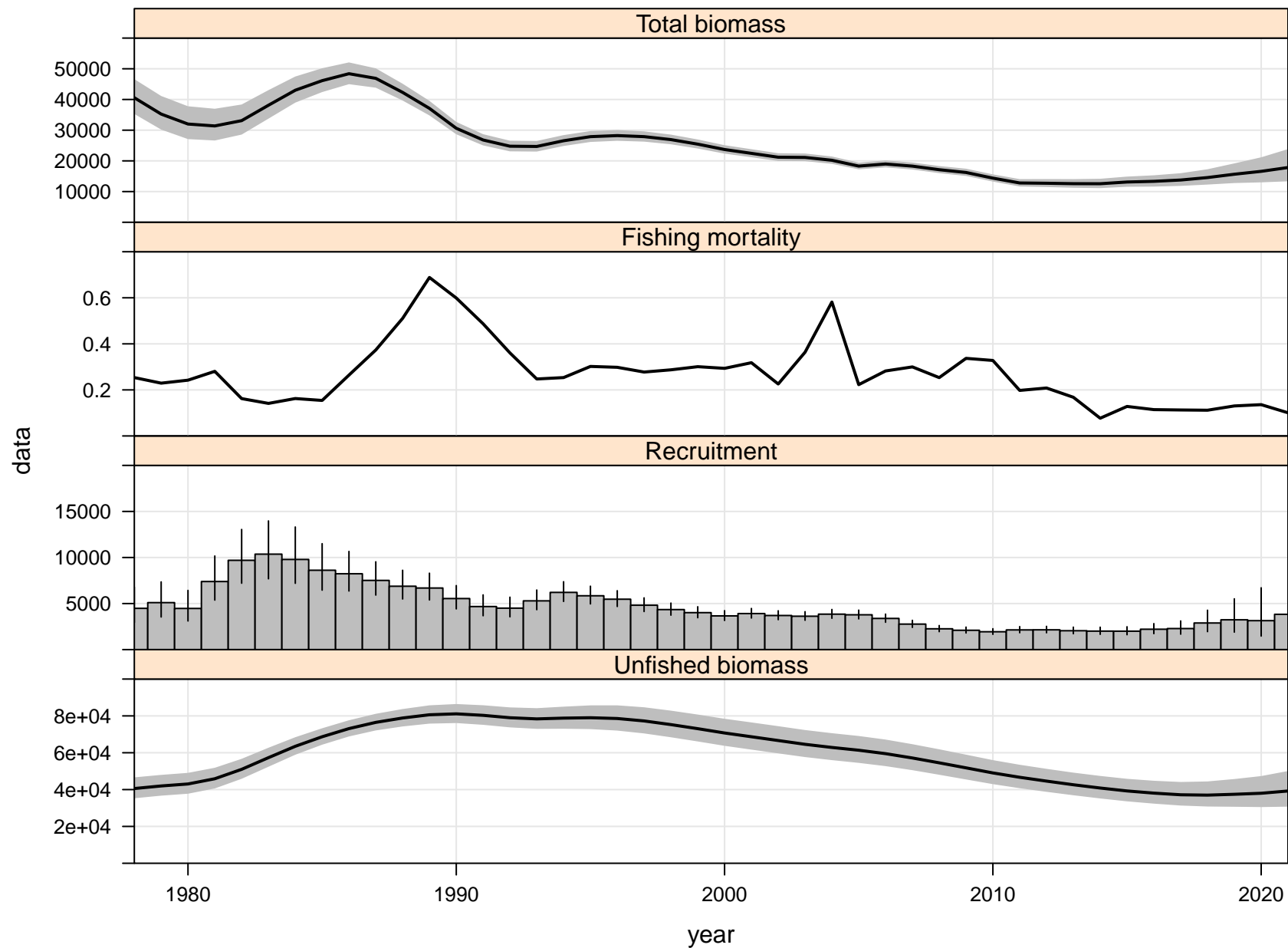


Modelled

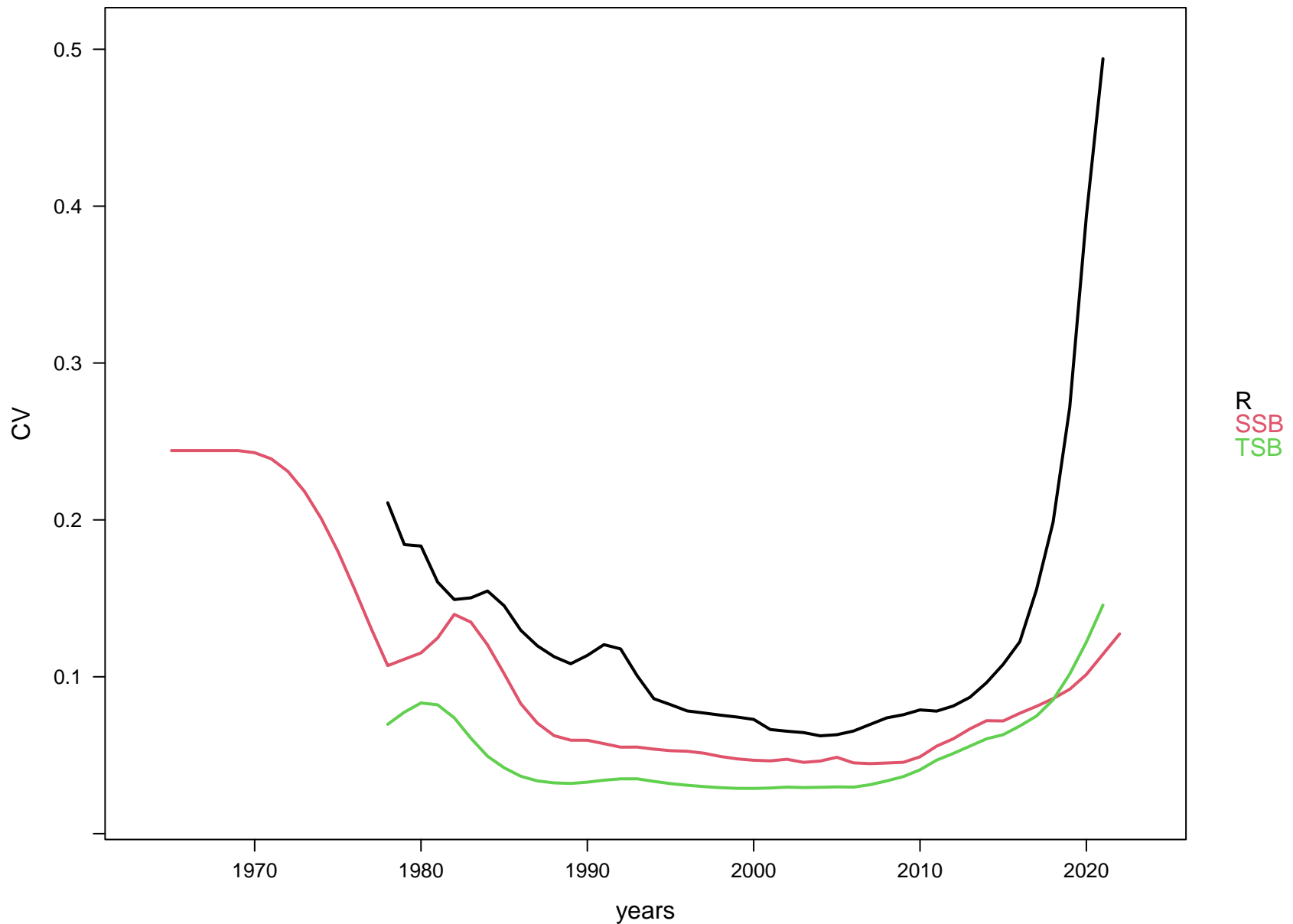




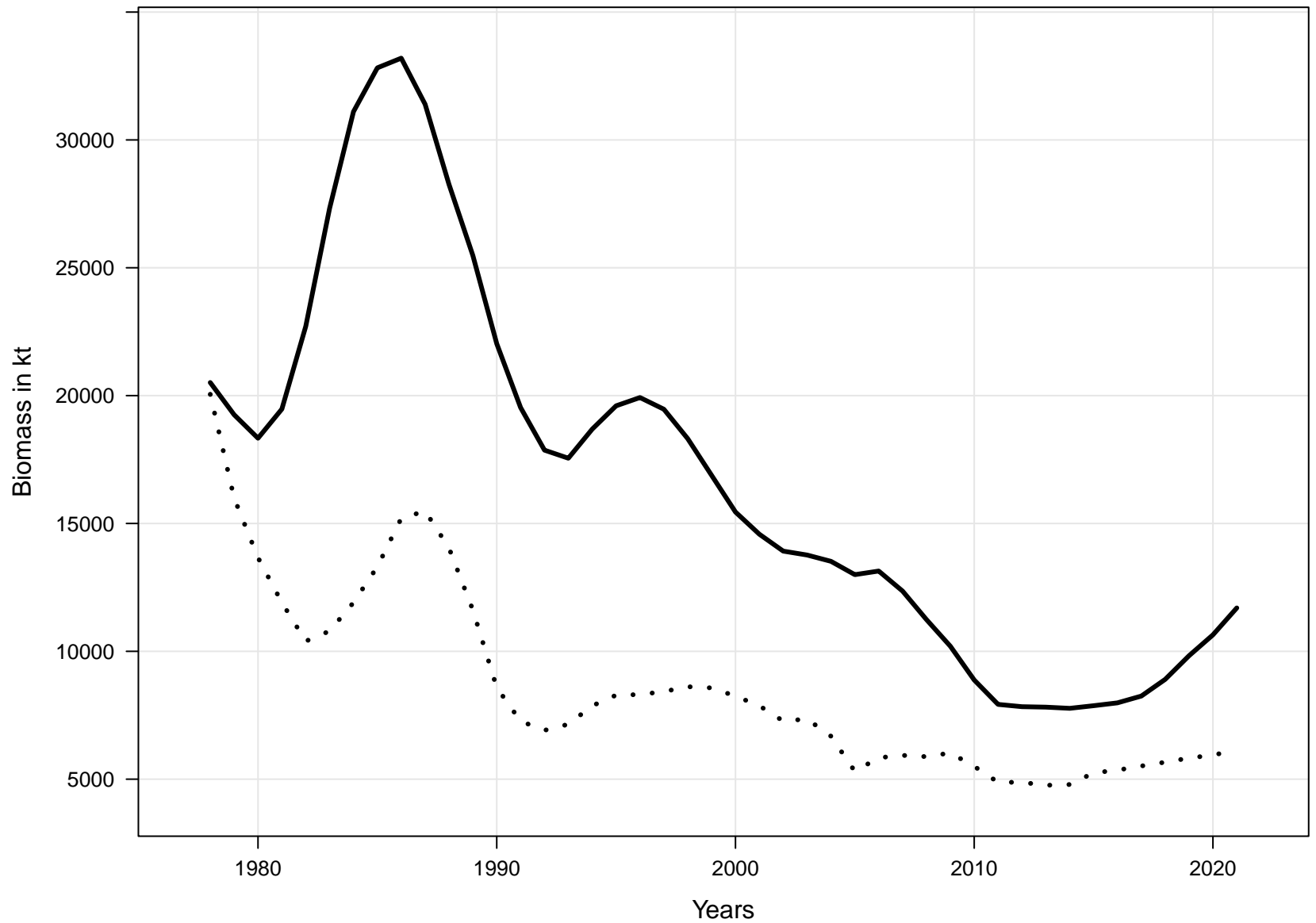
year



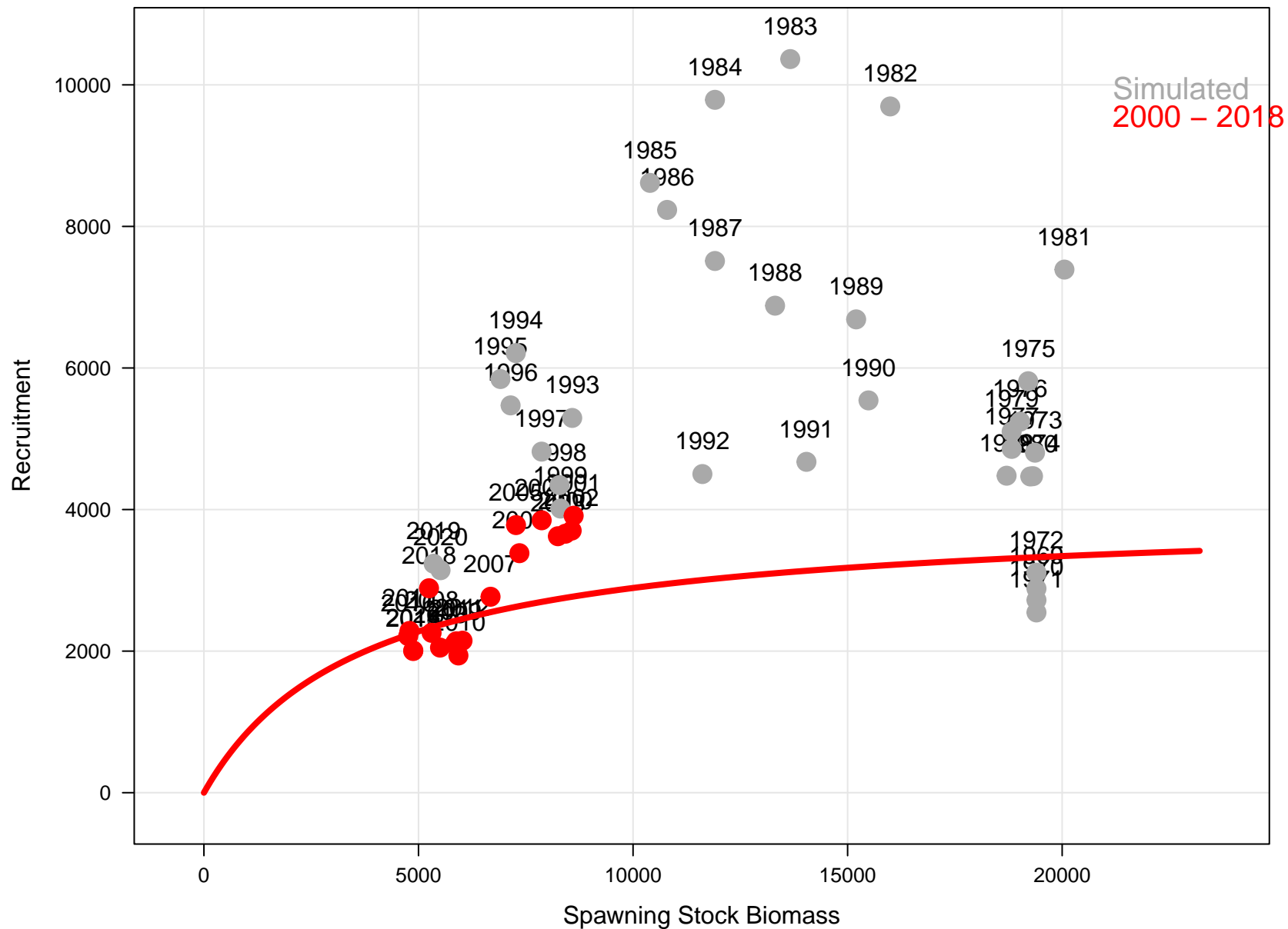
Uncertainty of key parameters



Mature – Immature fish
Mature Immature —

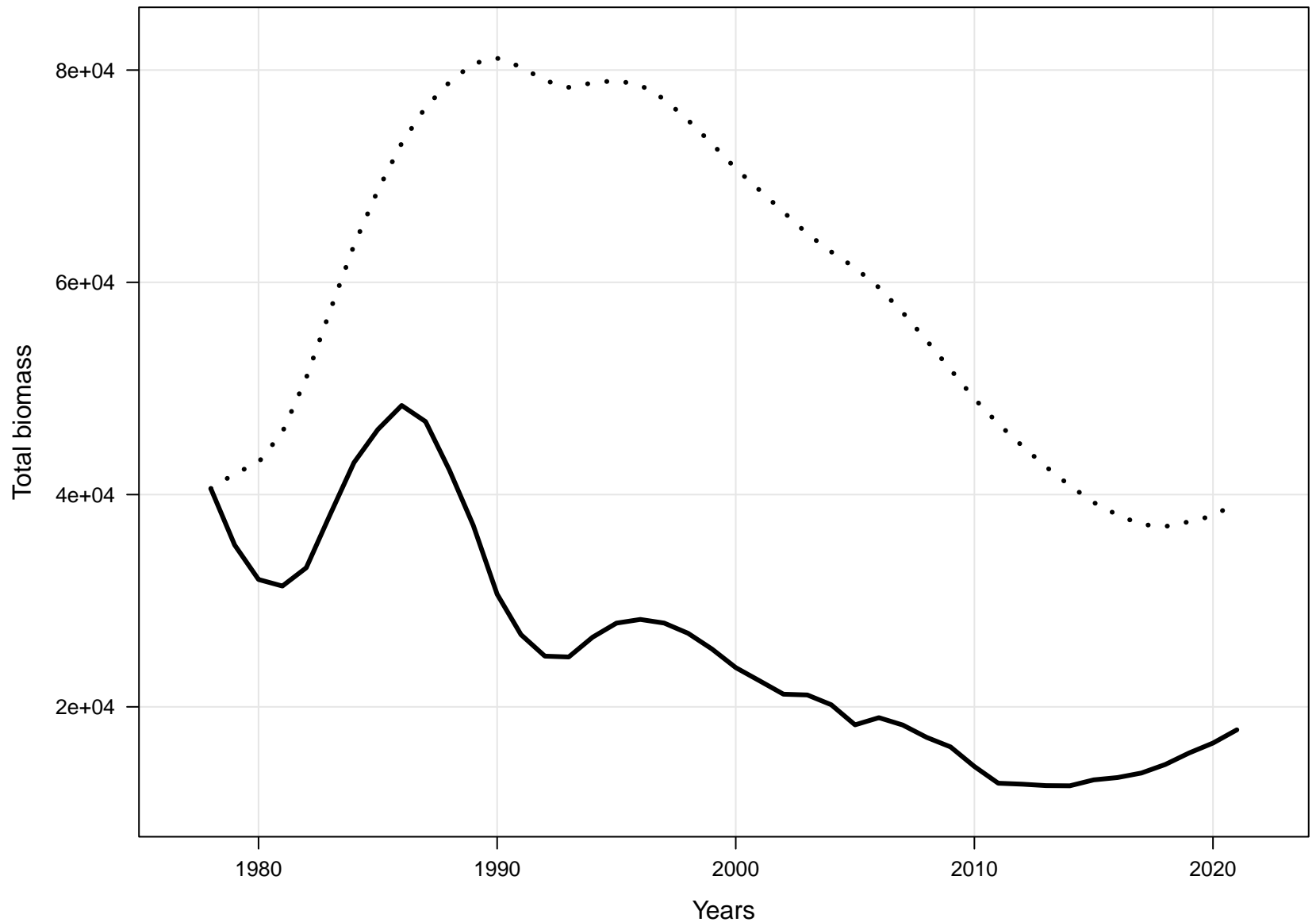


Stock Recruitment



Comparing fished with unfished biomass

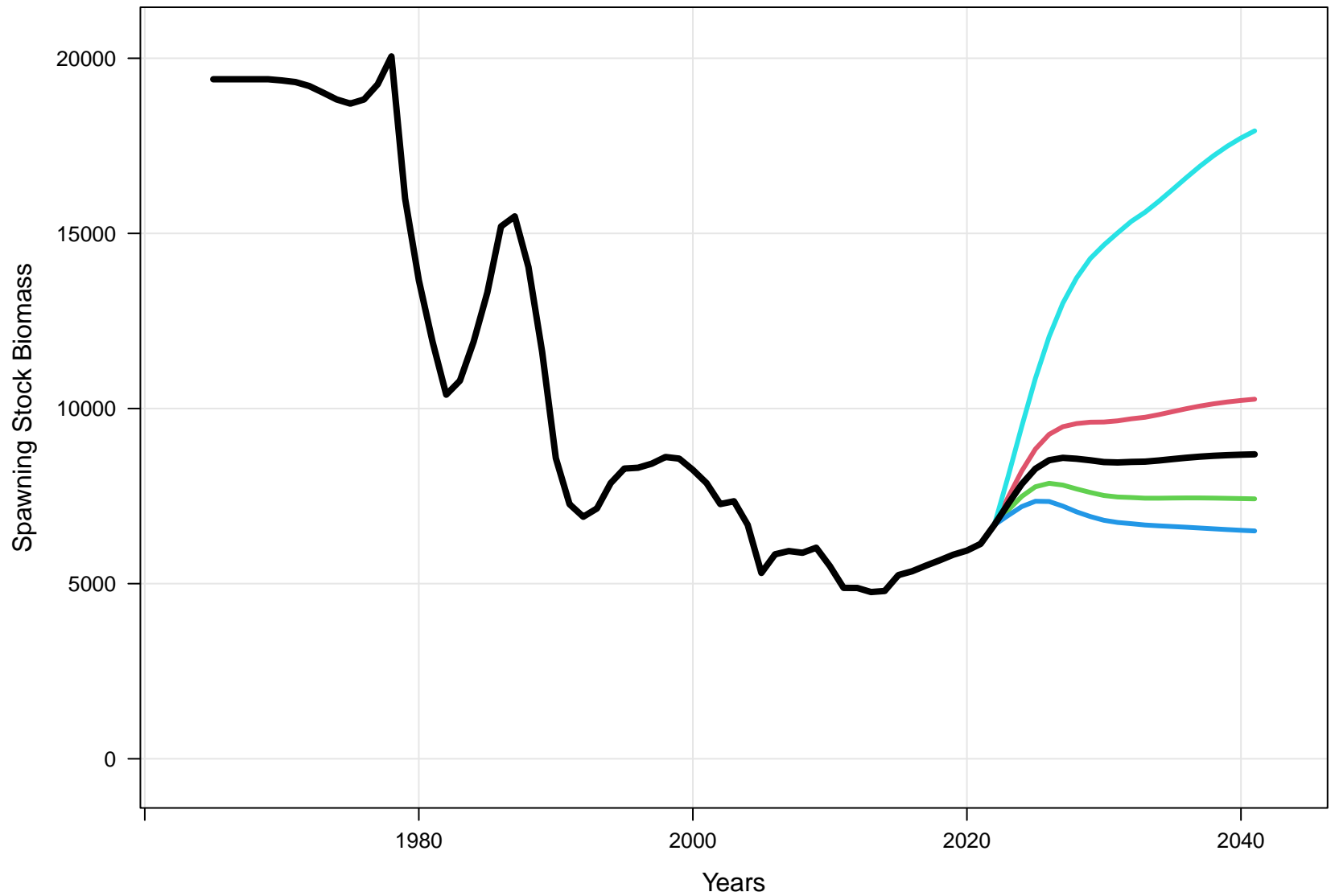
Fished — Unfished



SSB prediction

F2021 SQ
F2021 0.75x
F2021 1.25x

FMSY
F2021 0x



Catch prediction

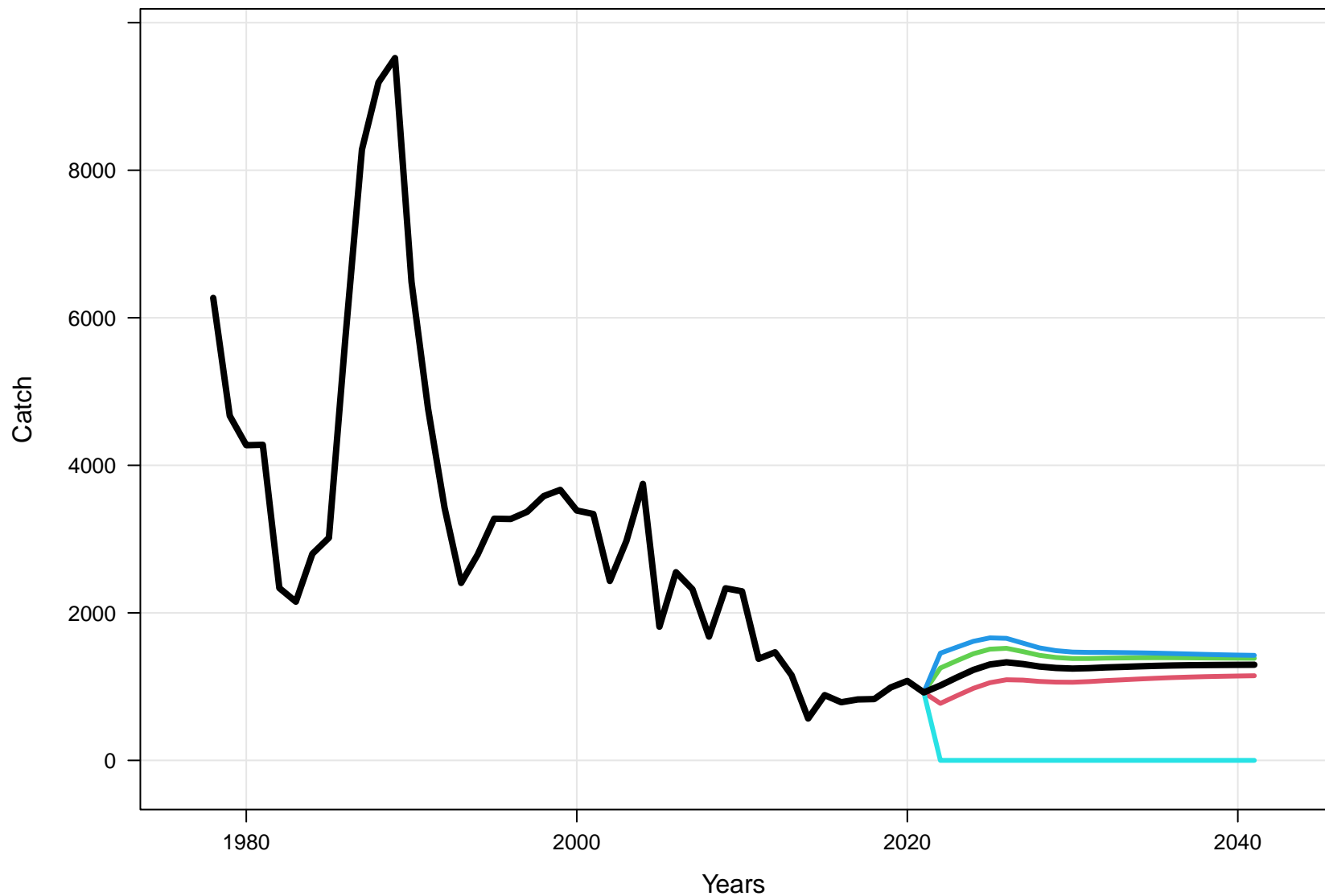
F2021 SQ

F2021 0.75x

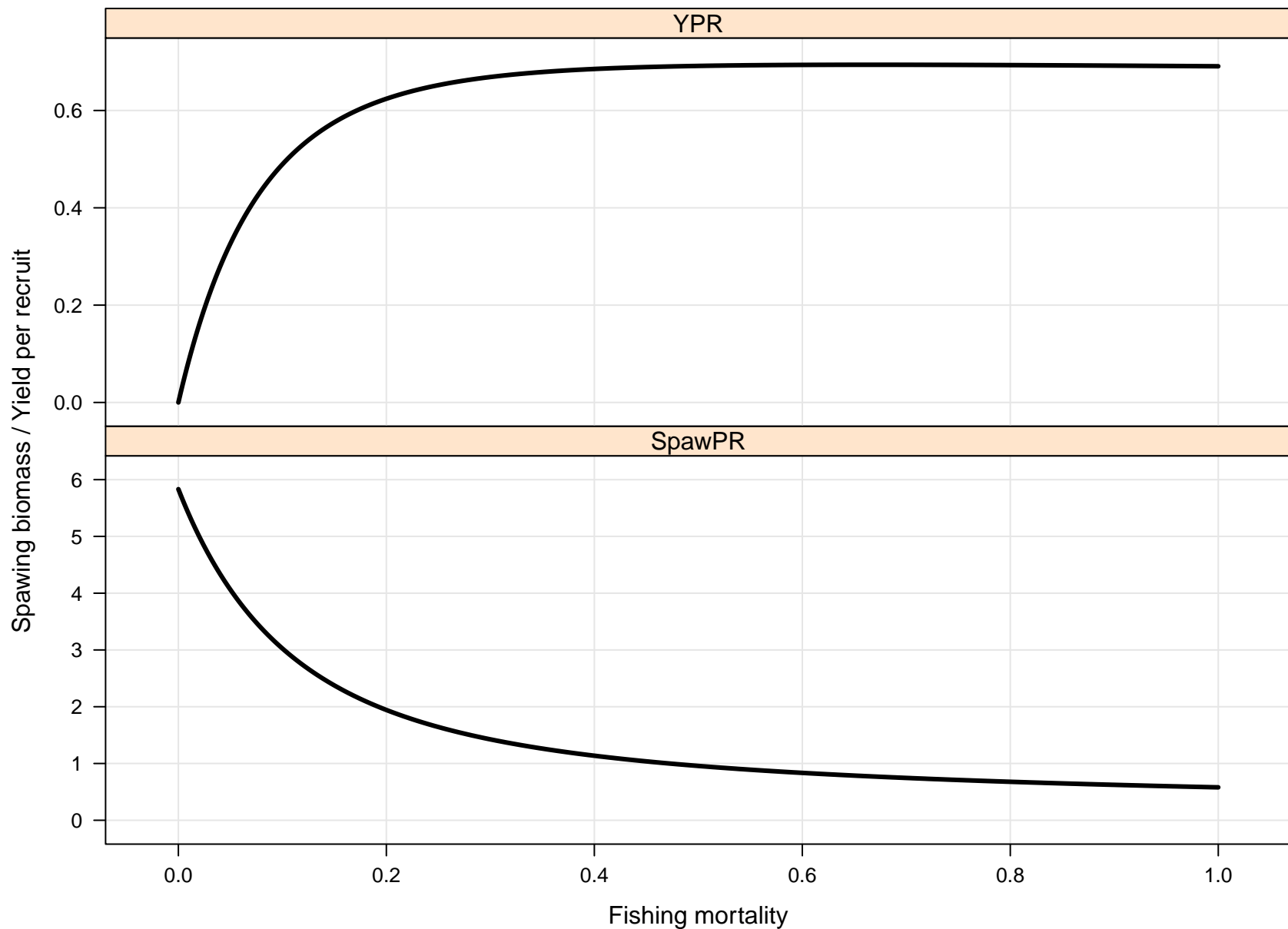
F2021 1.25x

FMSY

F2021 0x



Yield and spawning stock biomass per recruit



Kobe plot

