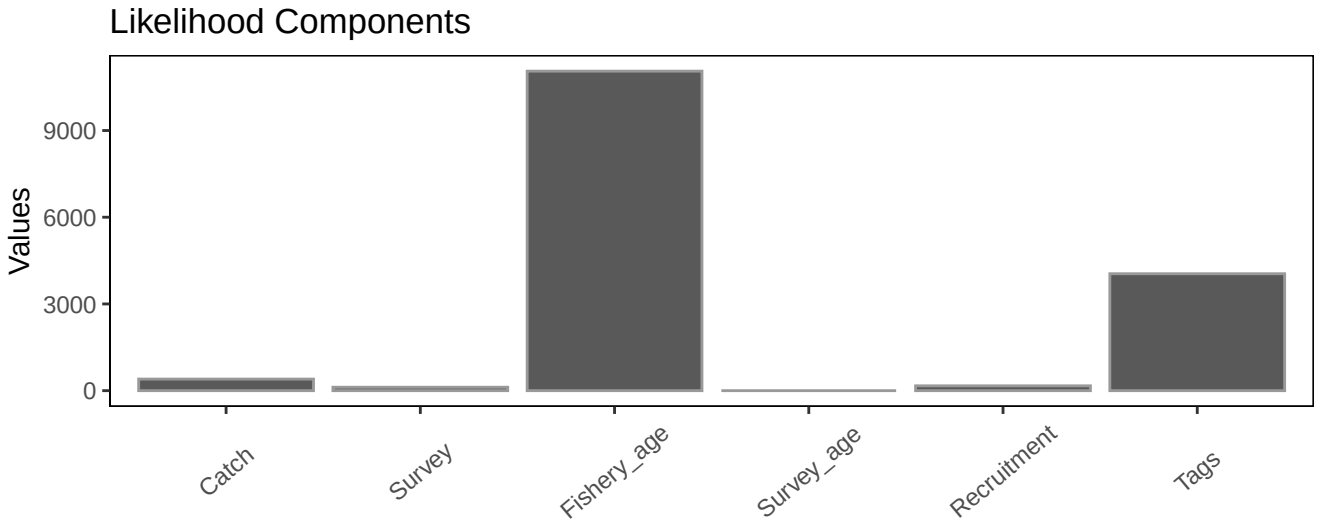
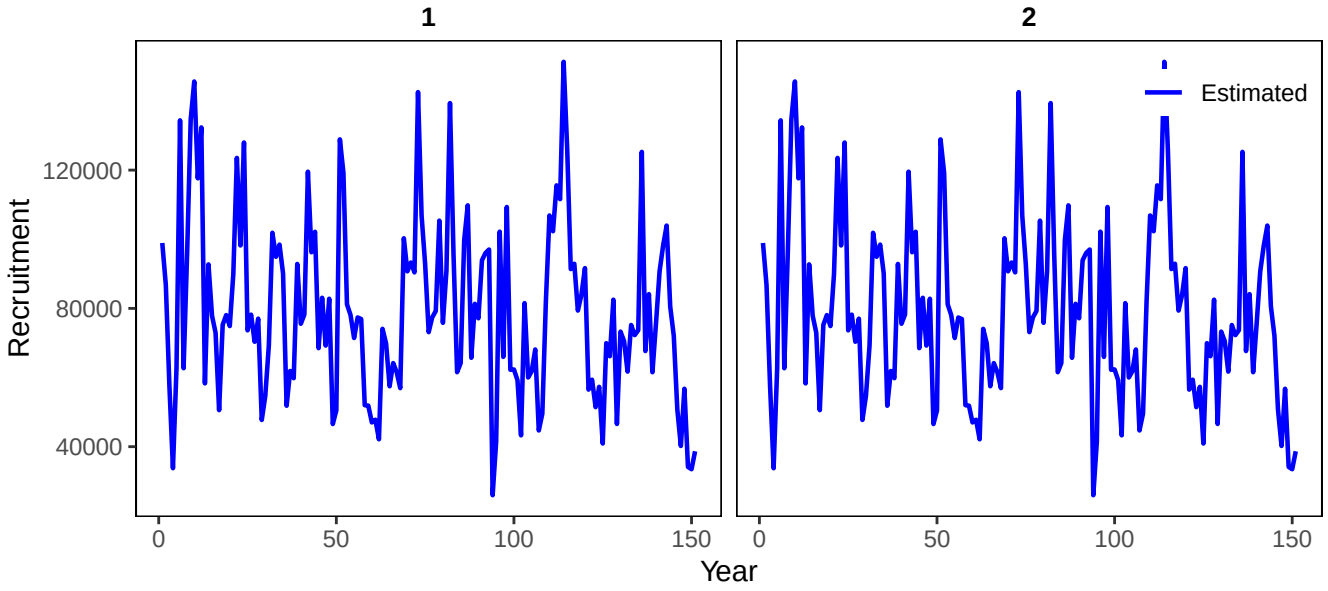
TIM − YFT Diagnostics

Model did NOT Converge

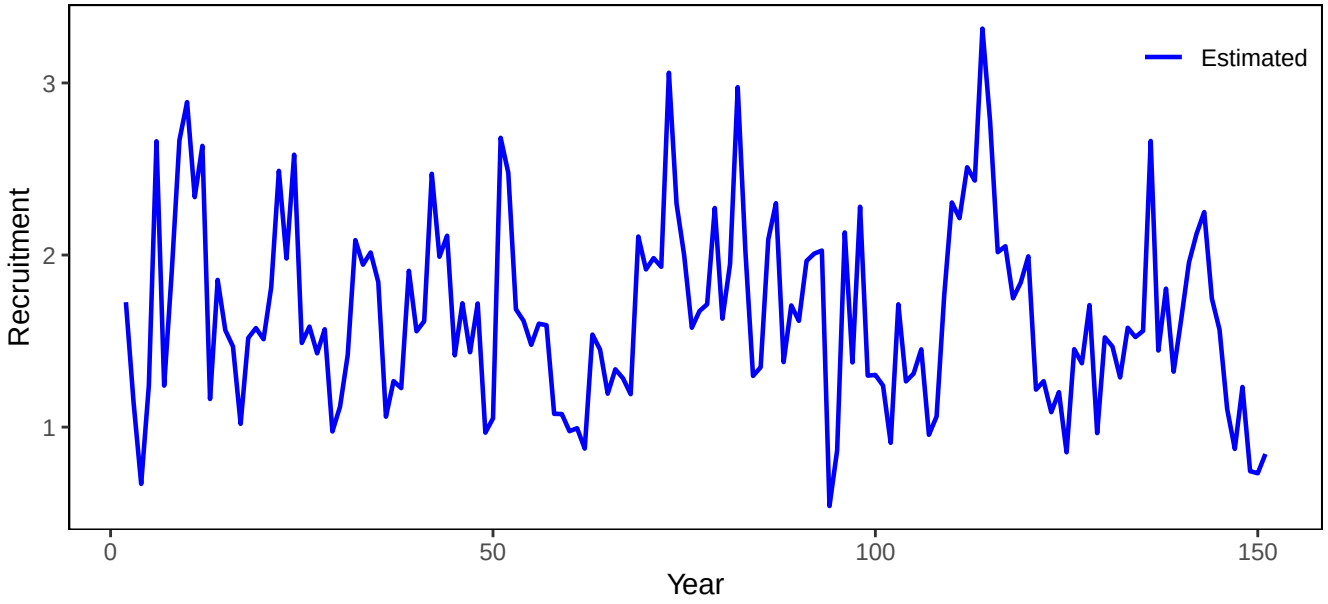
Maximum gradient component = 3771.54242783527



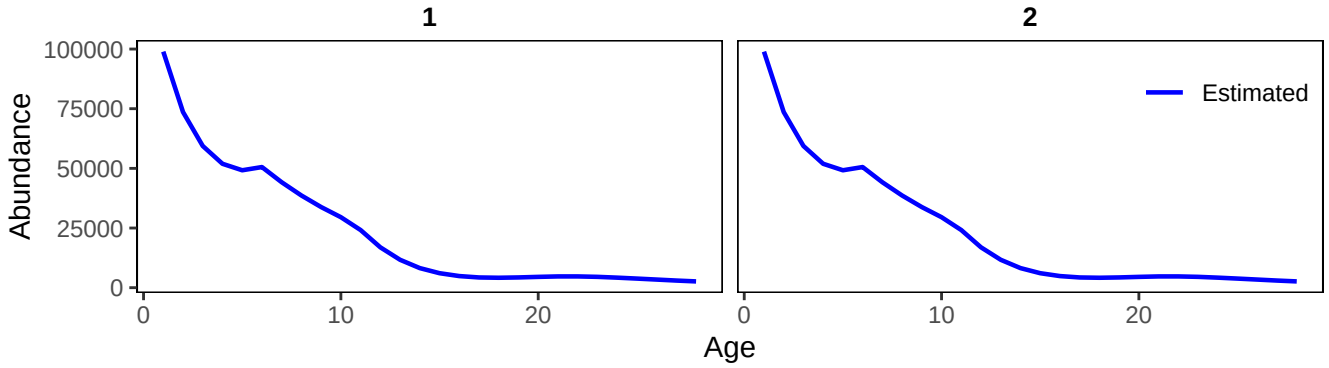
Recruitment Total



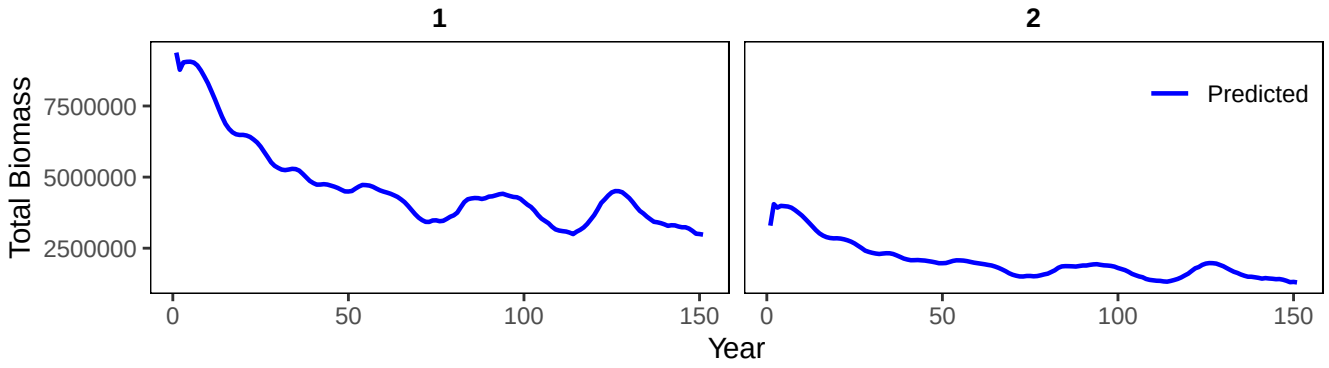
Recruitment Deviations



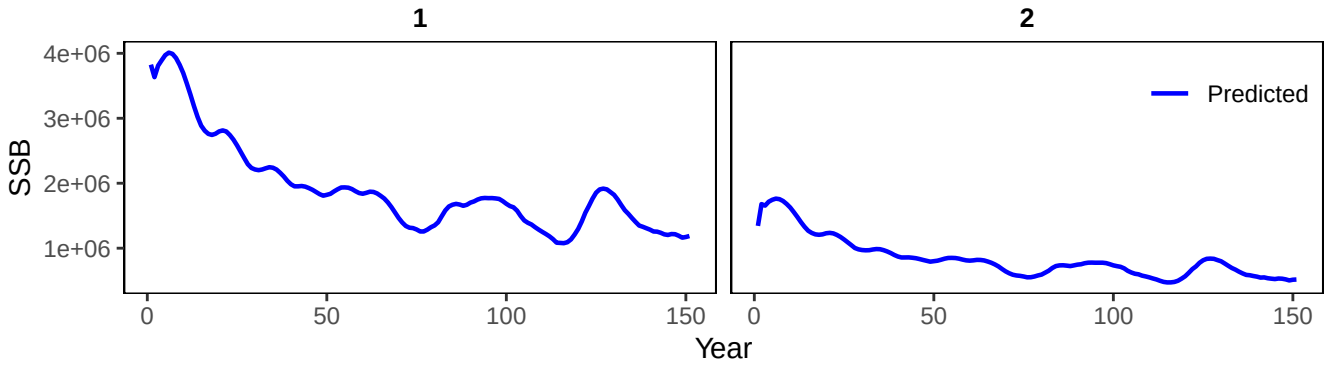
Initial Abundance



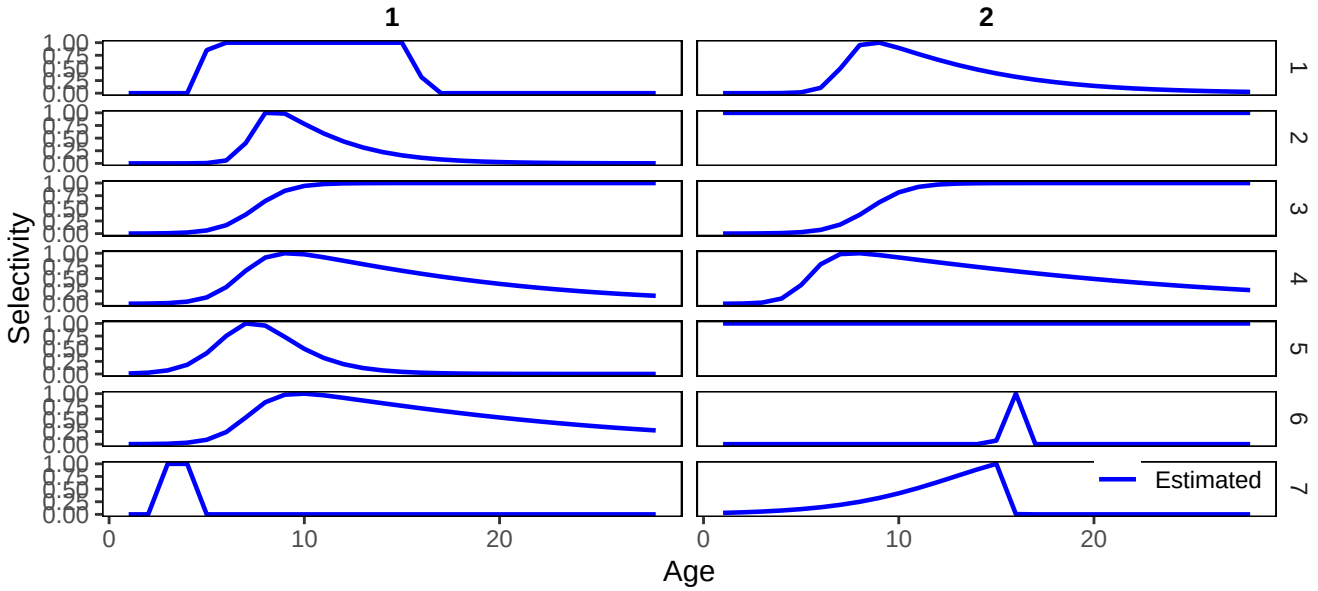
Total Biomass



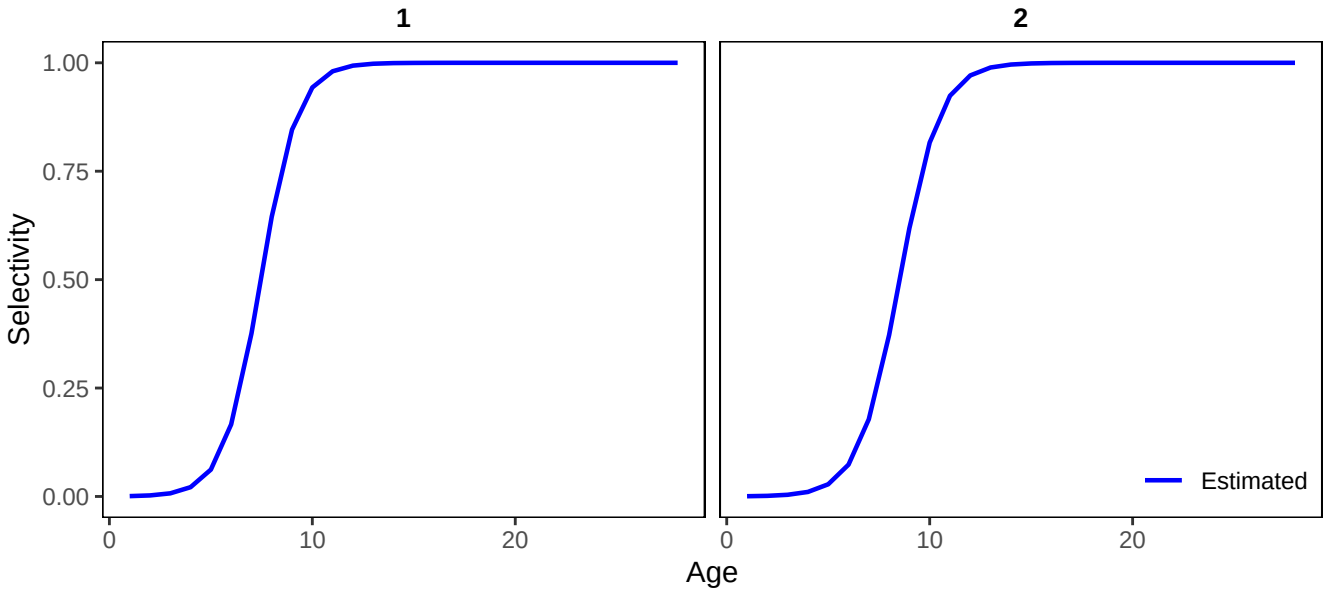
SSB

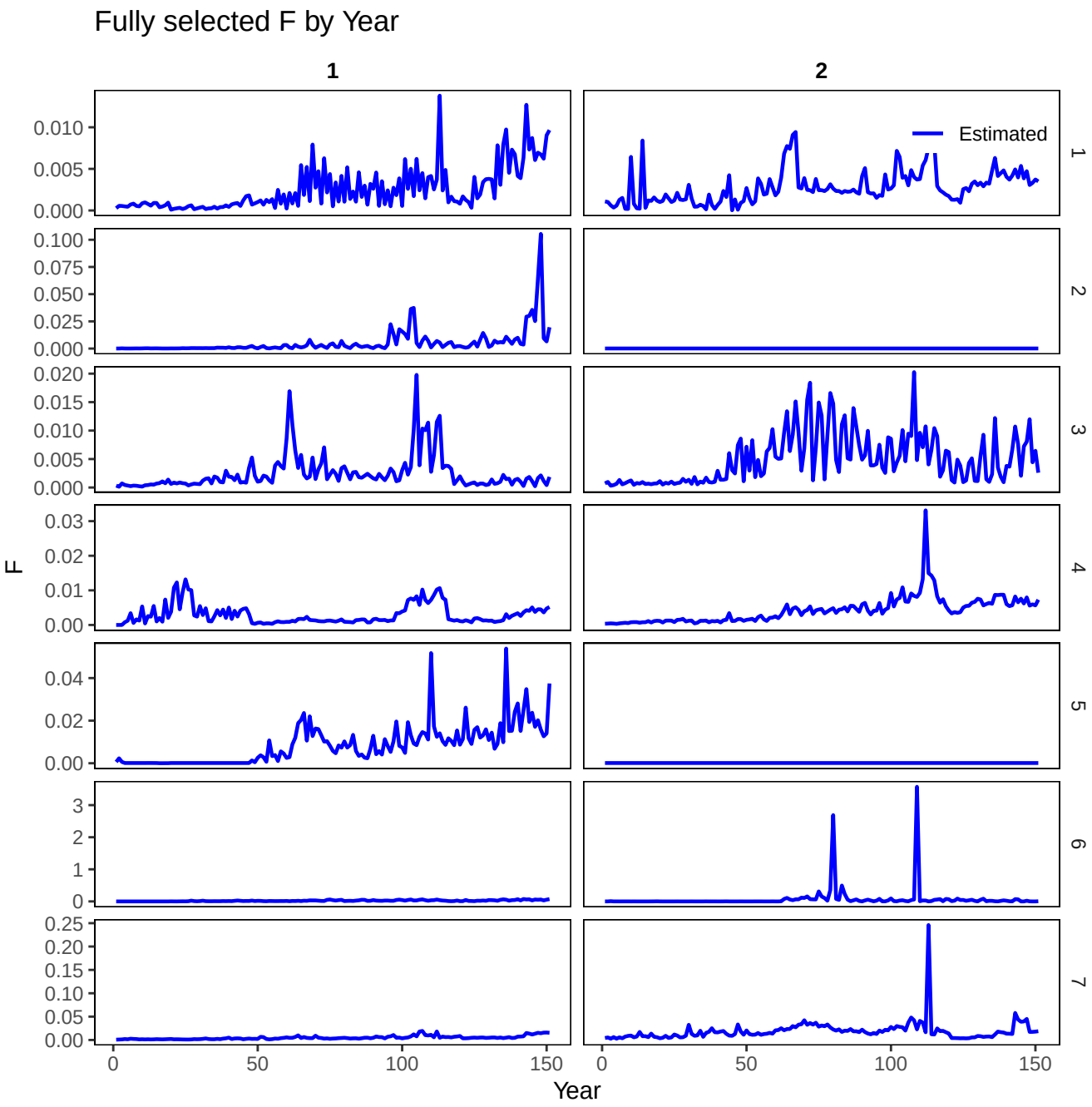


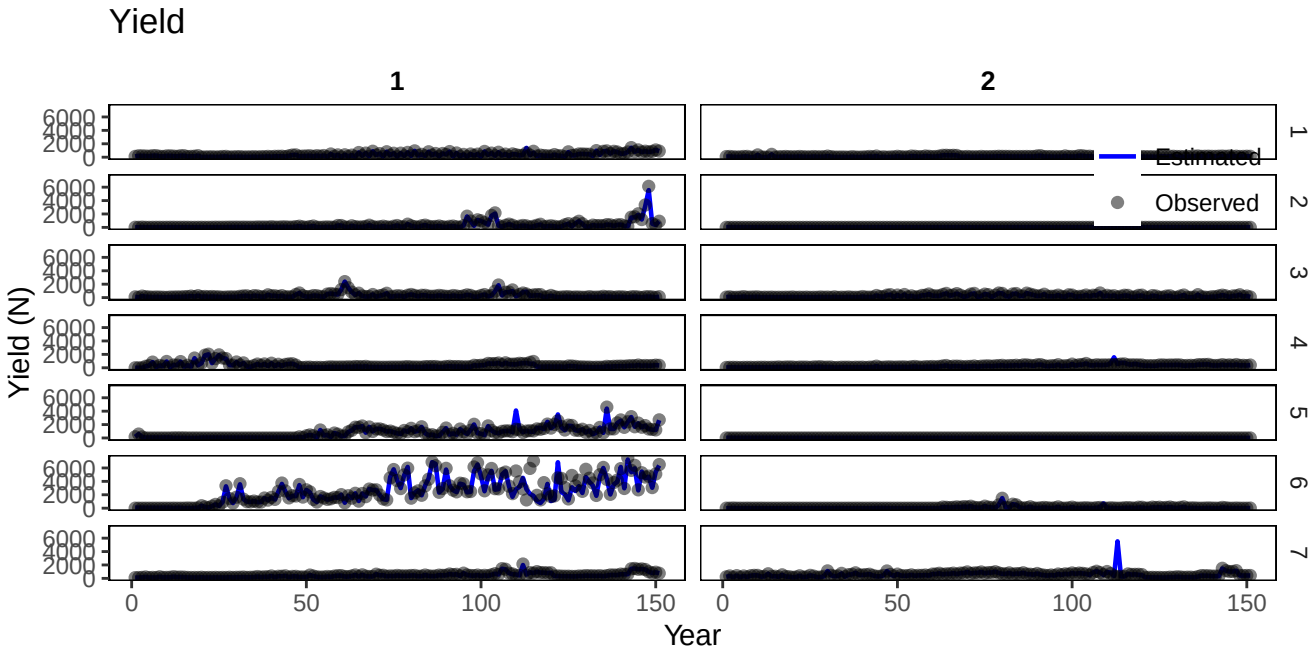
Fishery Selectivity

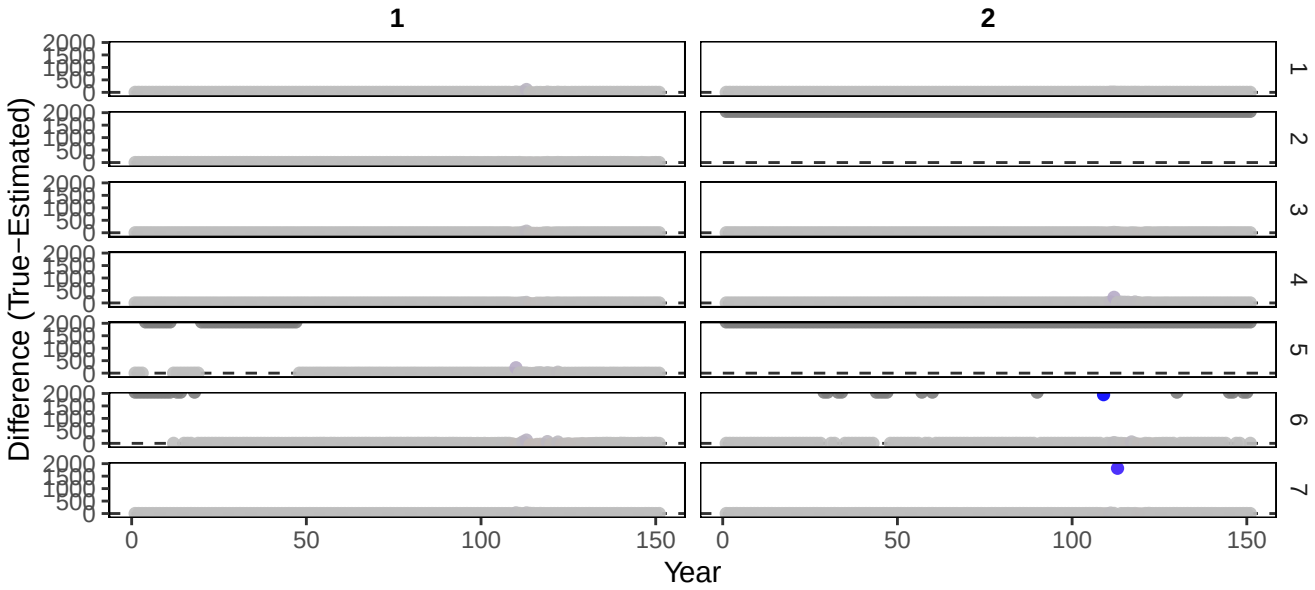


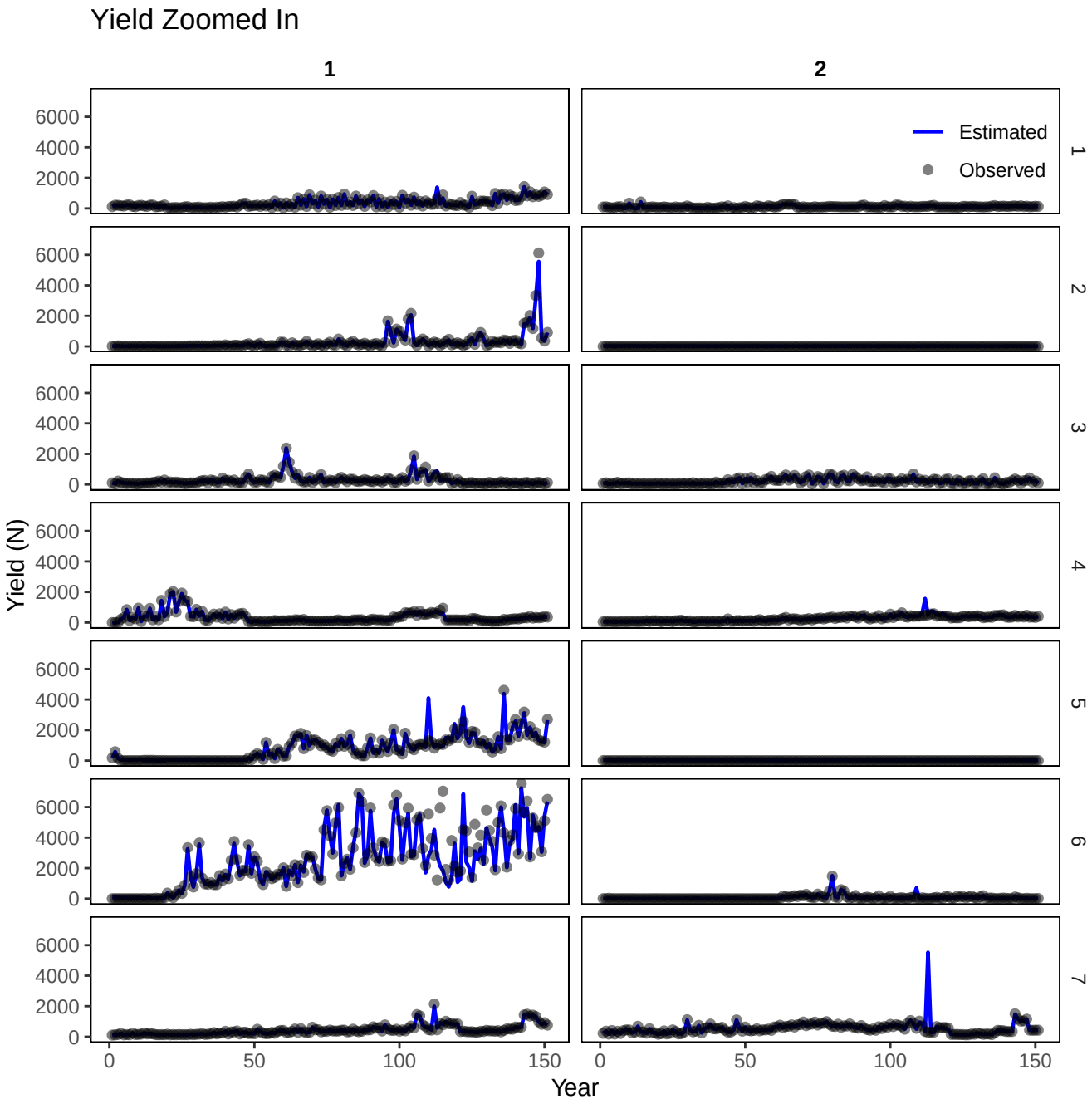
Survey Selectivity



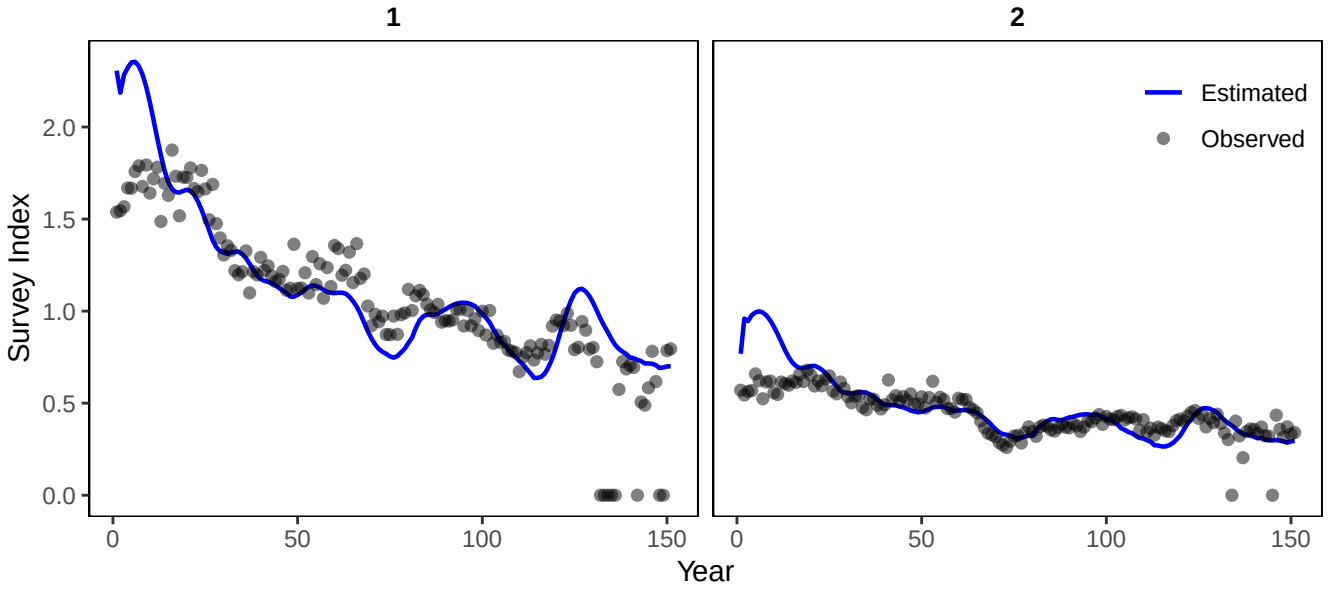

Fully selected F by Year
1
2
Estimated
F
Year
0.010
0.005
0.000
0.100
0.075
0.050
0.025
0.020
0.015
0.03
0.02
0.01
0.00
0.04
3
2
1
0
0.25
0.20
0.15
0.10
0.05
0
50
100
150
1
2
3
4
5
6
7


Yield
1
2
Estimated
Observed
Yield (N)
6000
4000
2000
0
1
2
3
4
5
6
7
0
50
100
150
Year

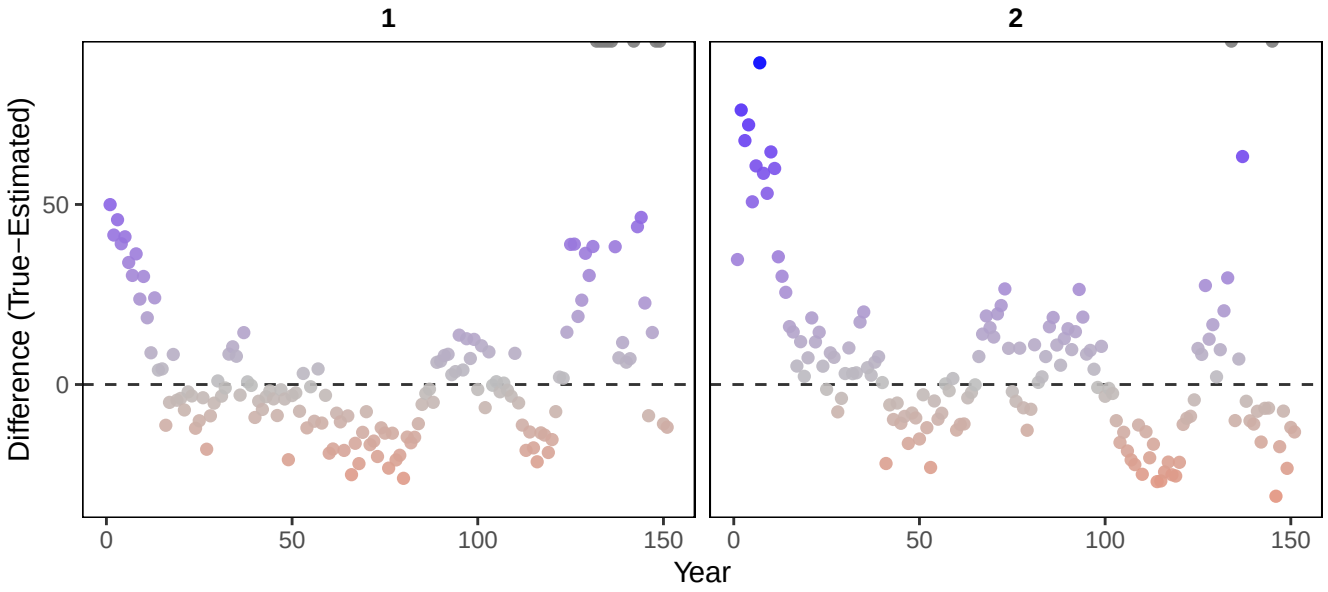

Yield Residuals
1
2
Difference (True−Estimated)
2000
1500
1000
500
0
1
2
3
4
5
6
7
0
50
100
150
Year

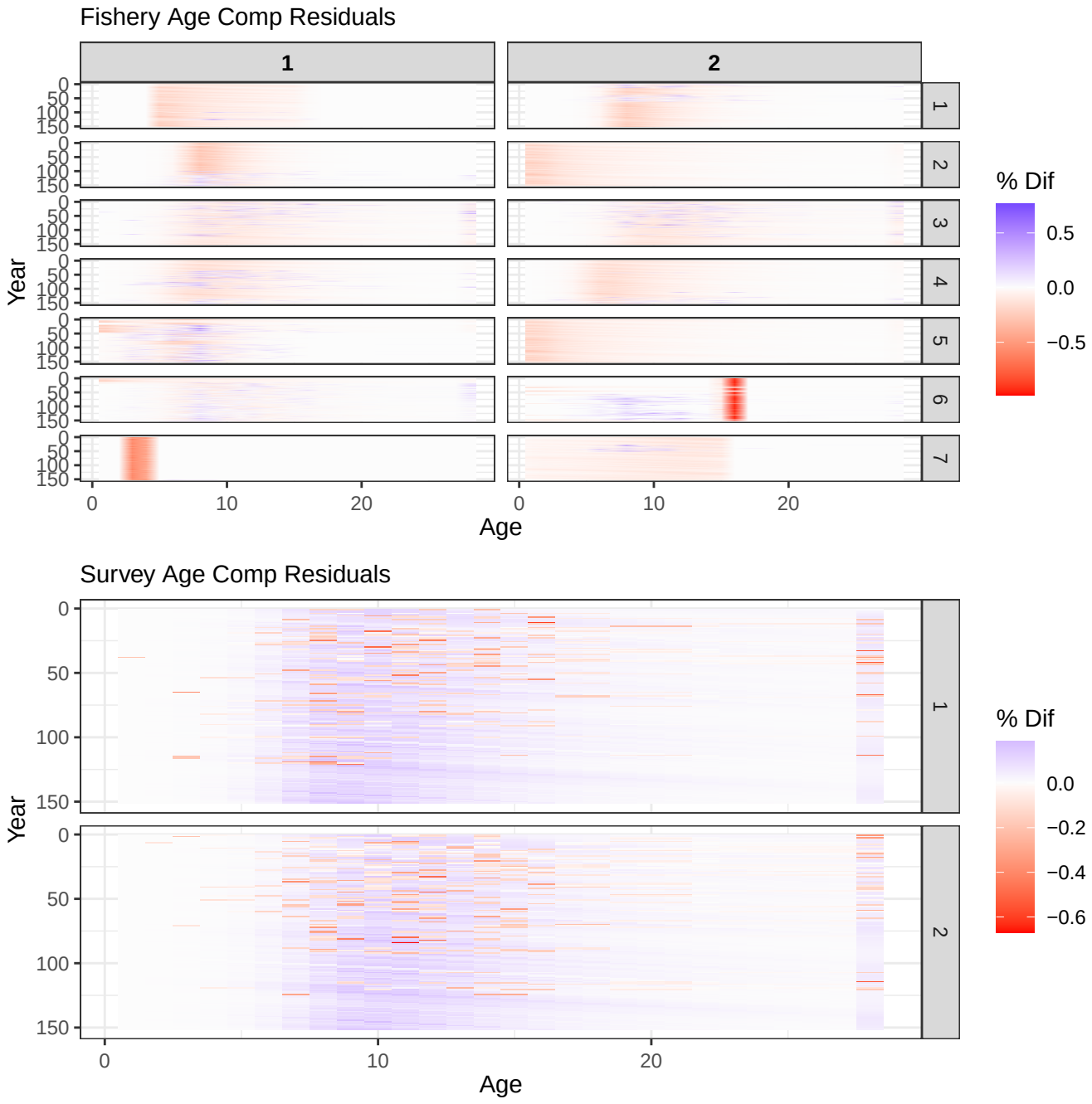

Yield Zoomed In
1
2
Estimated
Observed
Yield (N)
Year
0
2000
4000
6000
50
100
150
1
2
3
4
5
6
7

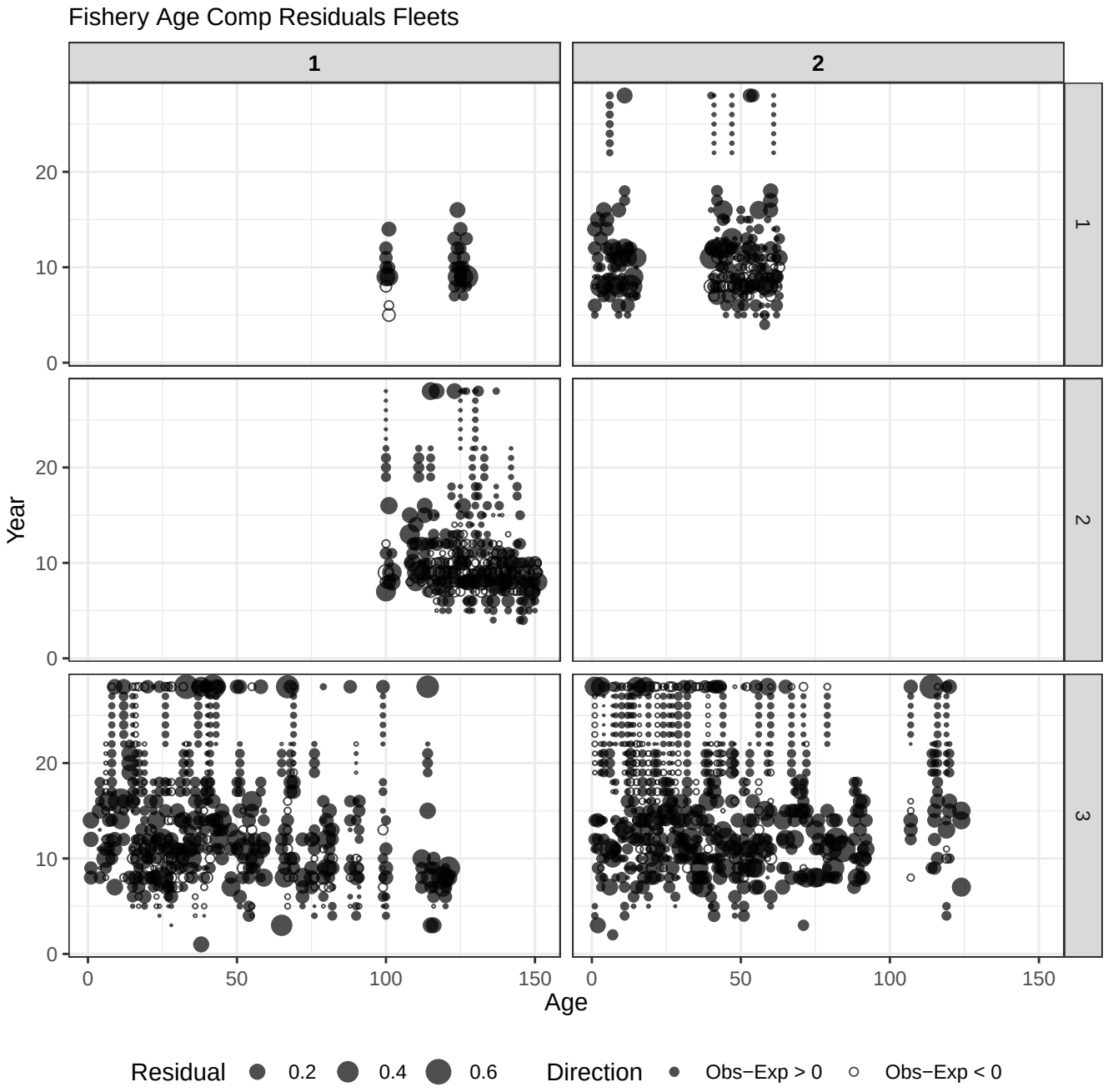
Survey Biomass

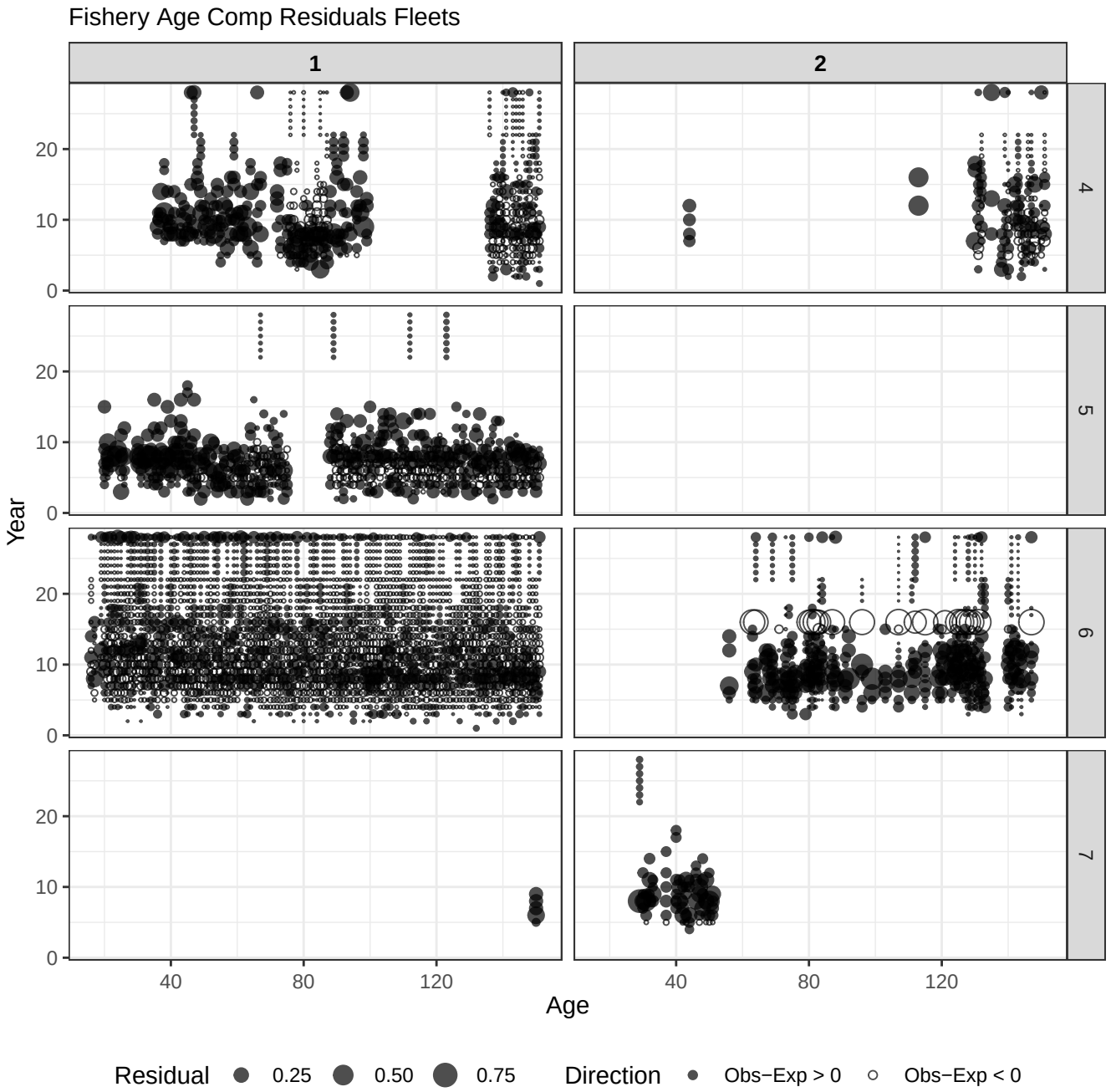


Survey Index Residuals

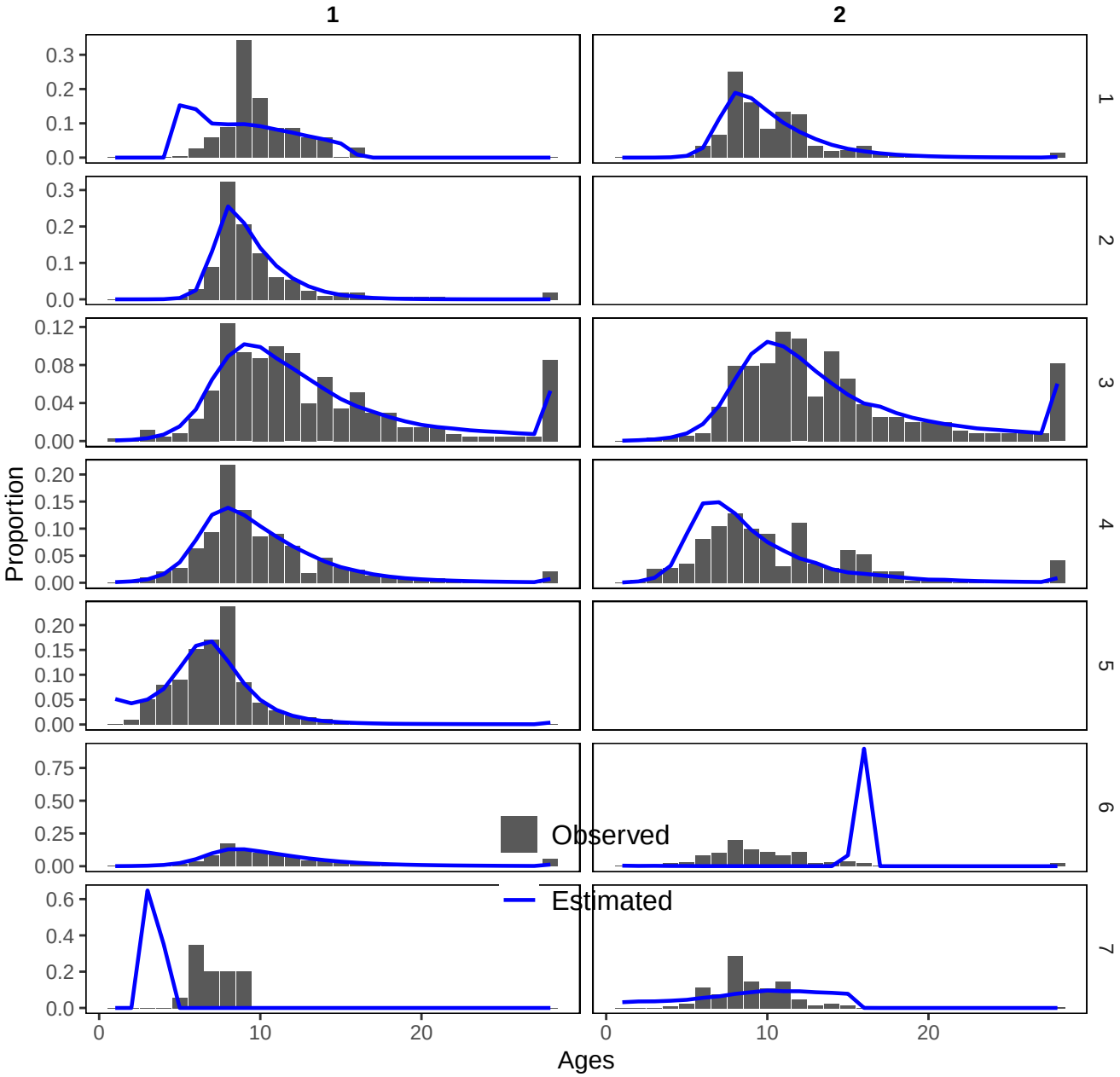


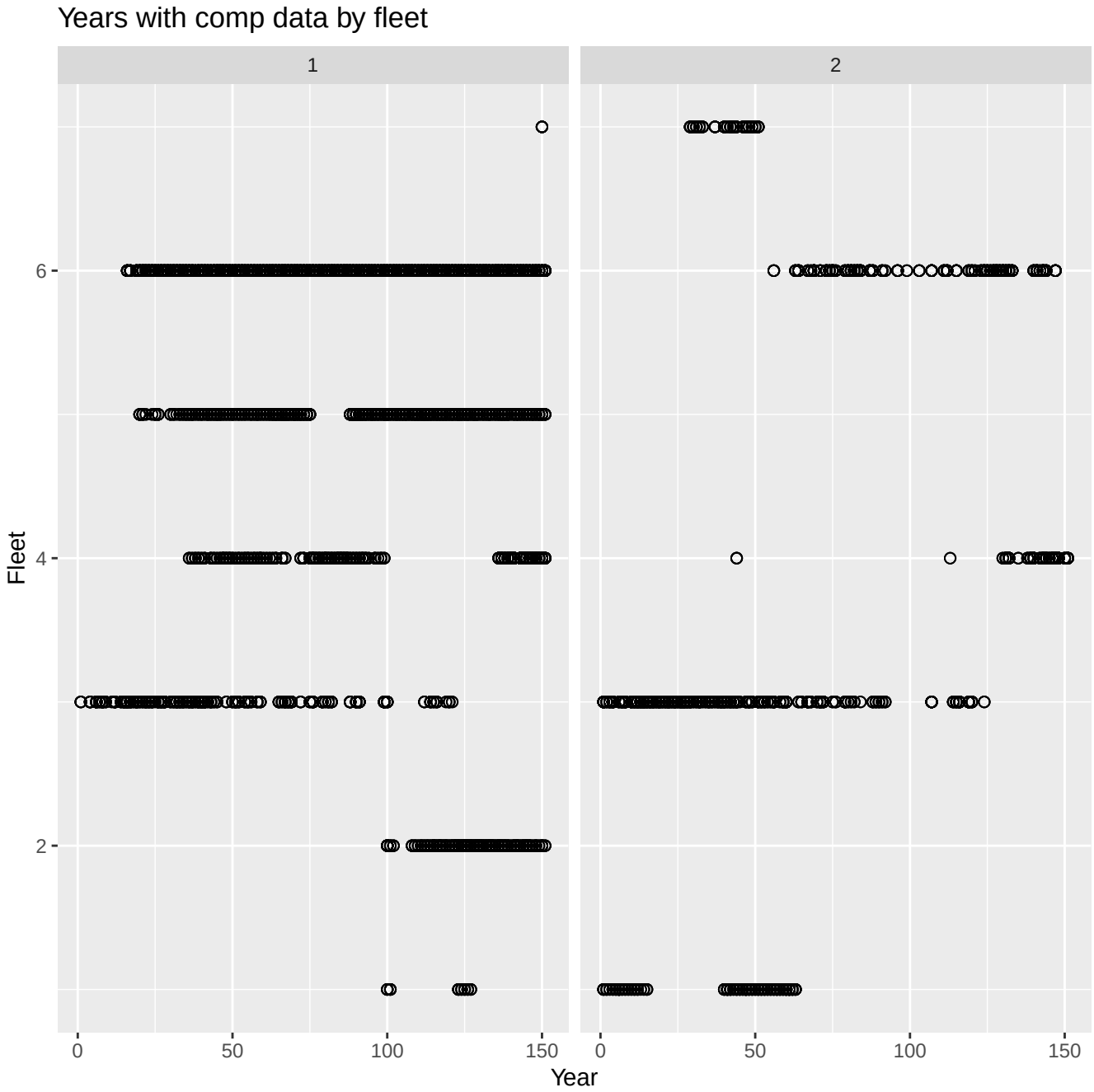

Fishery Age Comp Residuals
1
2
Year
Age
% Dif
0.5
0.0
−0.5
Survey Age Comp Residuals
Year
Age
% Dif
0.0
−0.2
−0.4
−0.6


Fishery Age Comp Residuals Fleets
1
2
1
2
3
Year
Age
0
10
20
0
50
100
150
Residual
0.2
0.4
0.6
Direction
Obs−Exp > 0
Obs−Exp < 0


Fishery Age Comp Residuals Fleets
1
2
4
5
6
7
Year
Age
0
10
20
40
80
120
Residual
0.25
0.50
0.75
Direction
Obs−Exp > 0
Obs−Exp < 0

Catch comps aggregated across years with observed data




Years with comp data by fleet
1
2
Fleet
6
4
2
0
50
100
150
Year