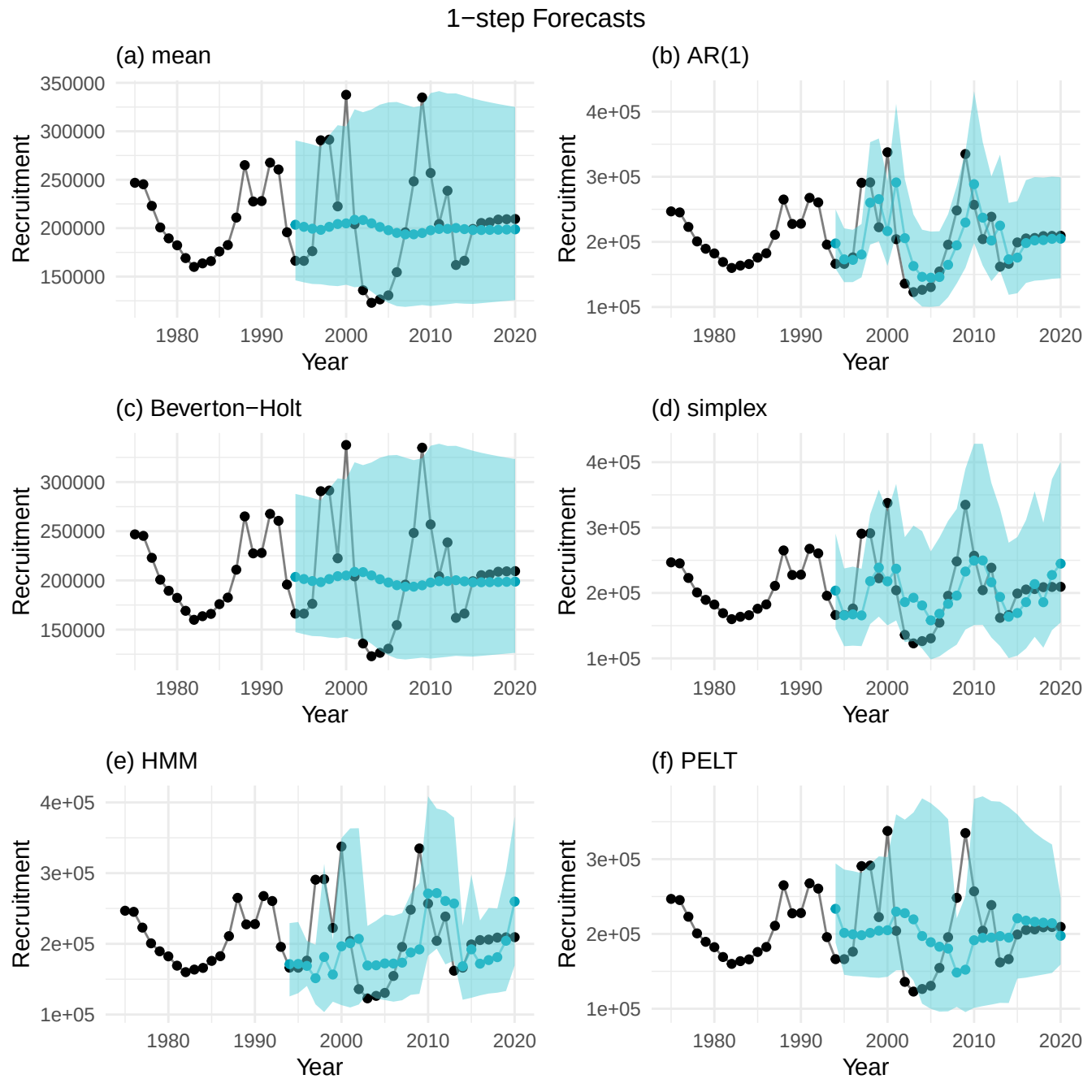
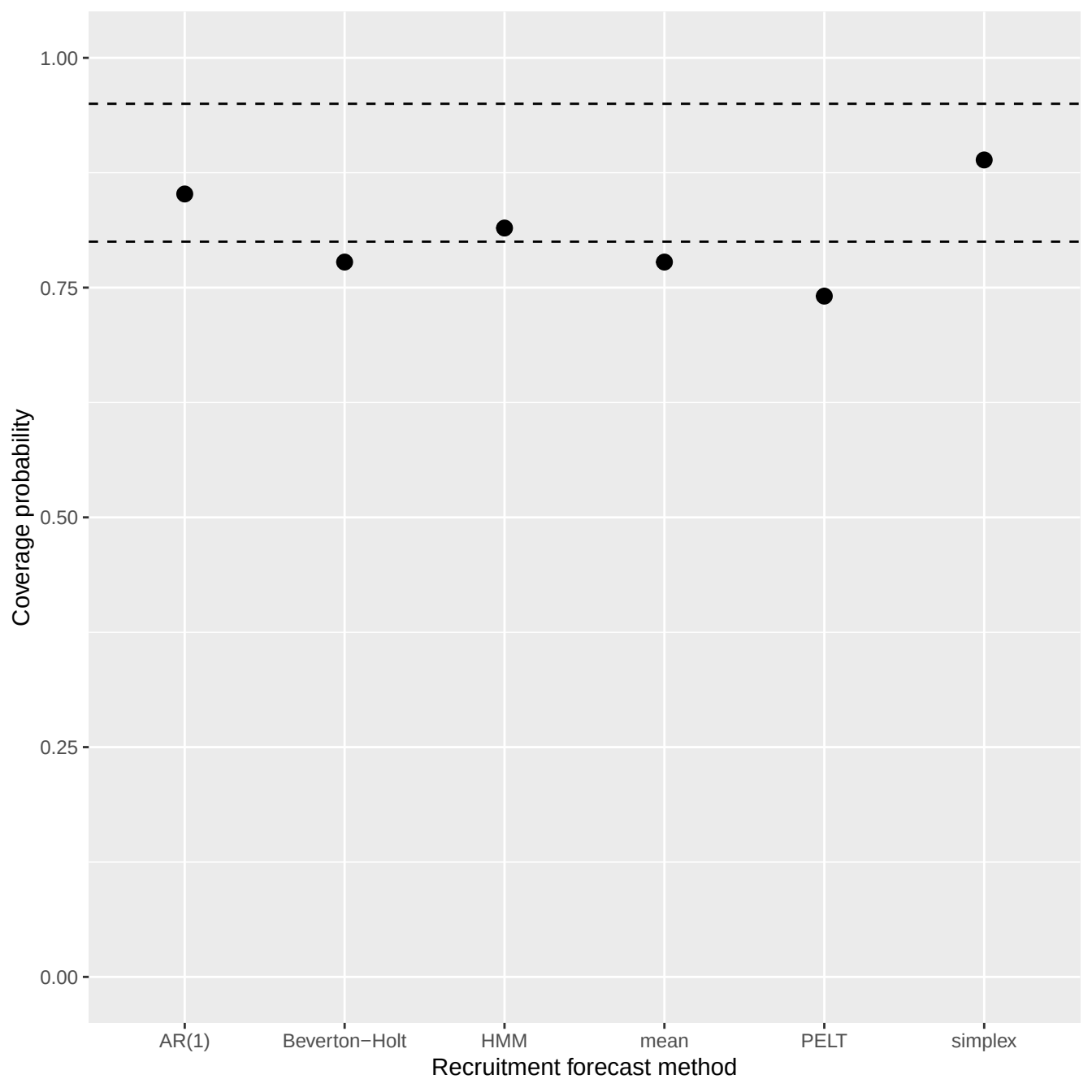
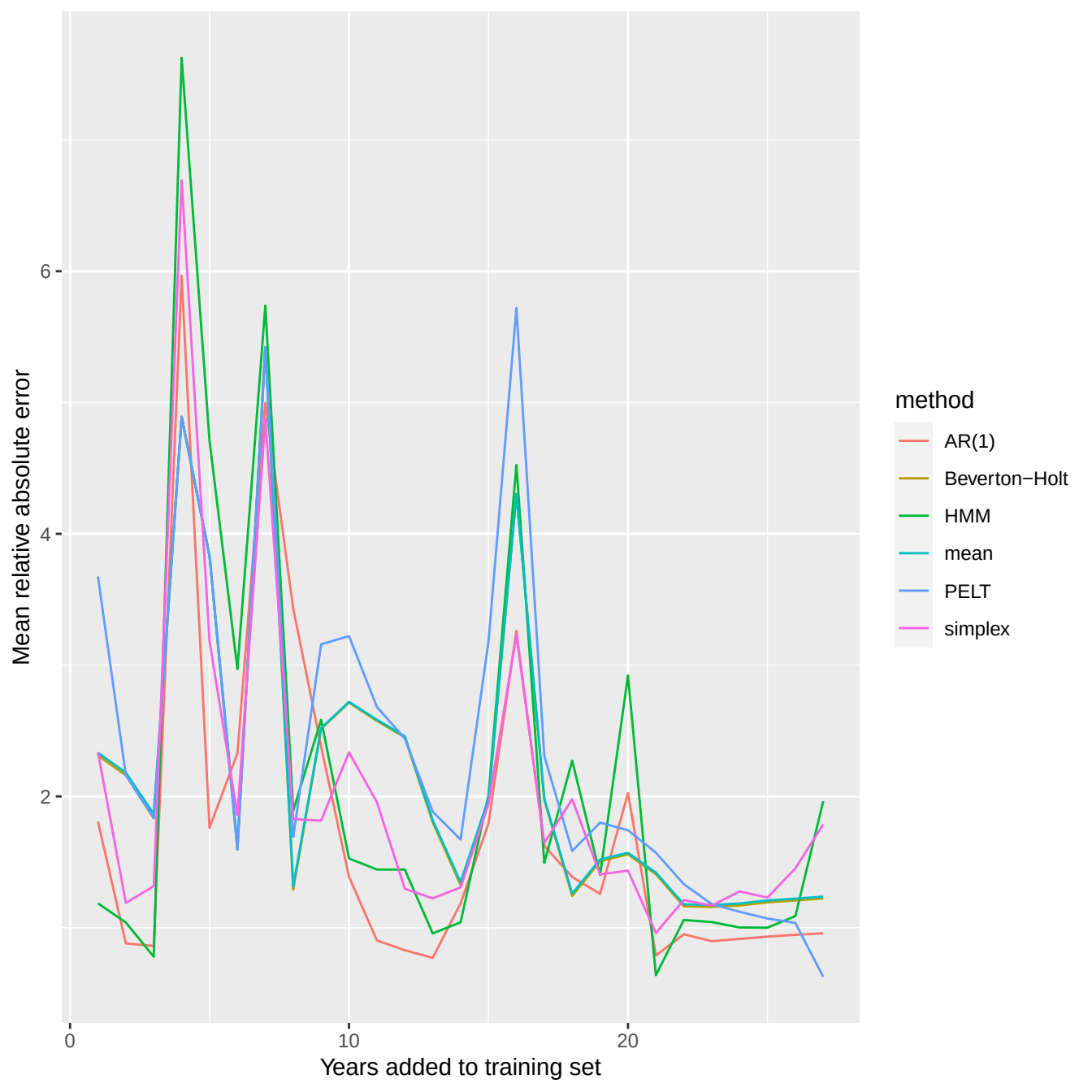
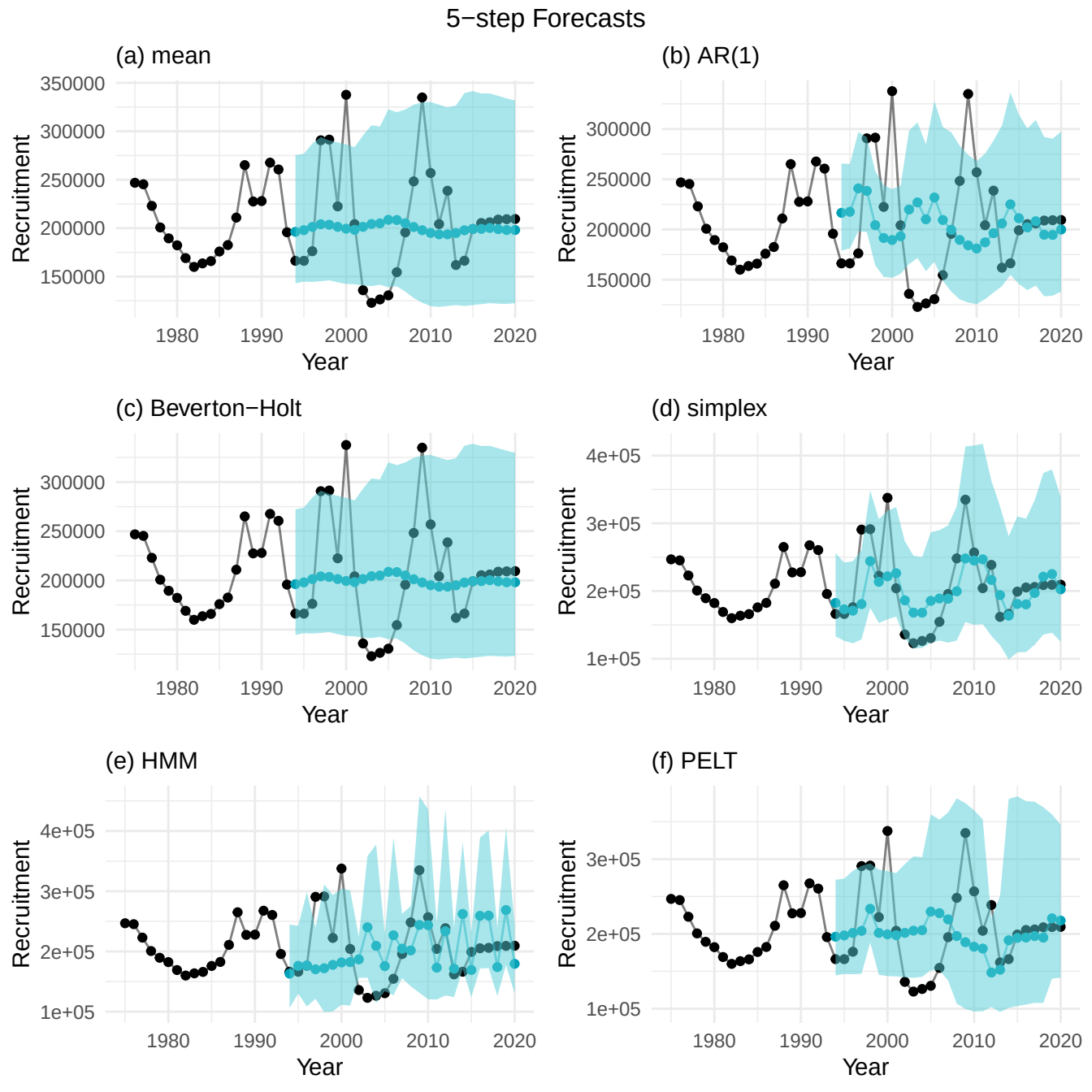
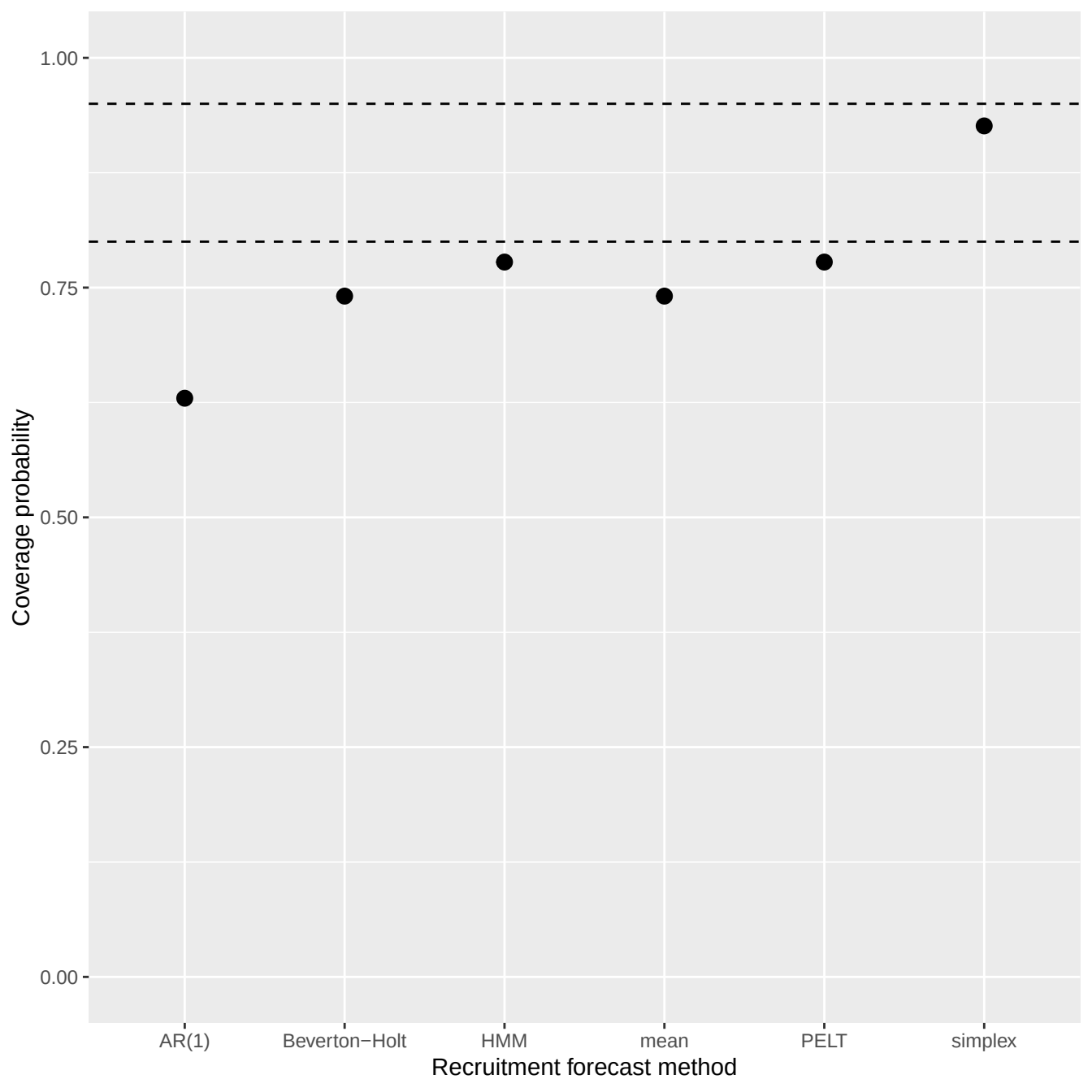
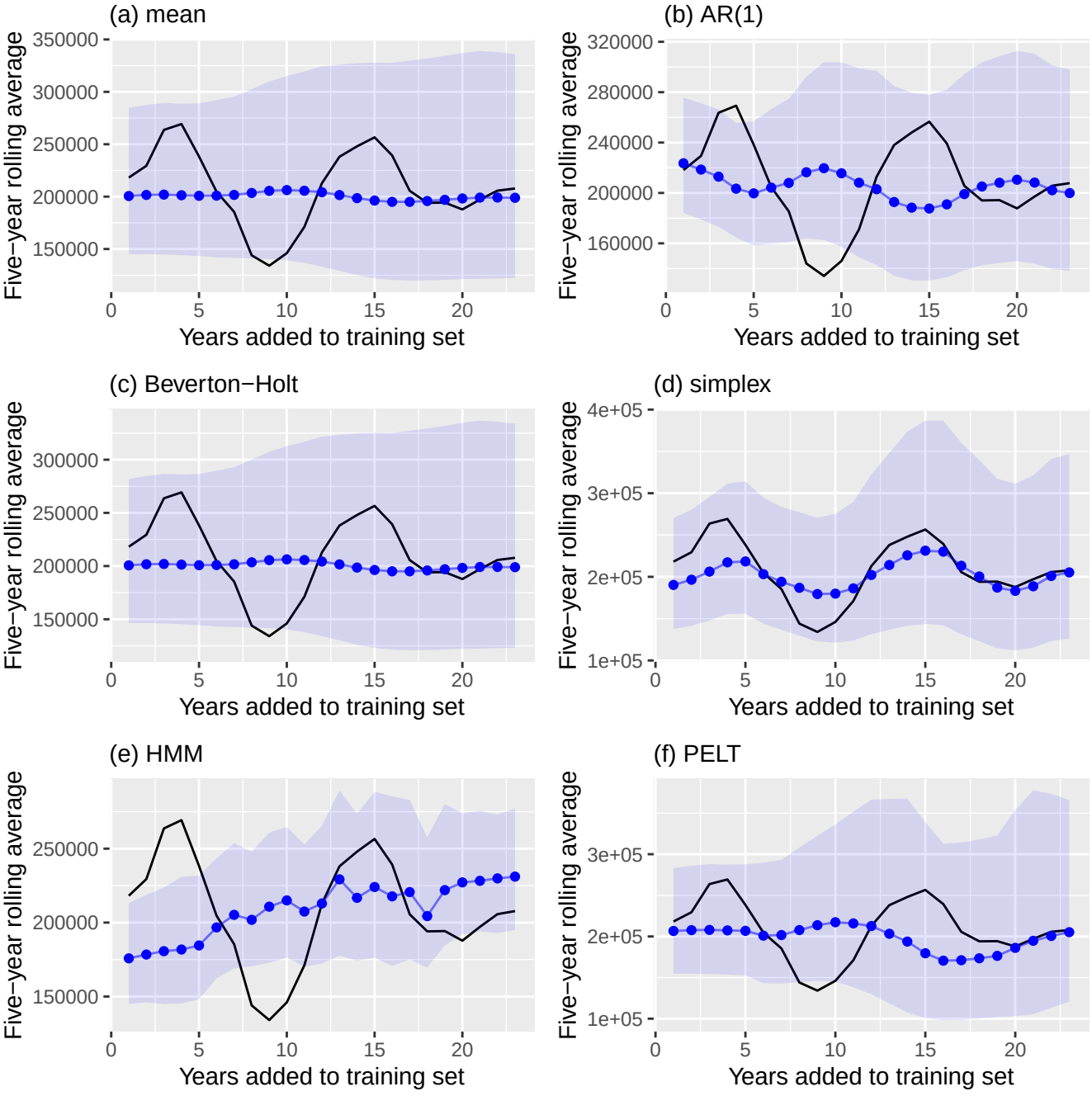

1−step Forecasts
(a) mean
(b) AR(1)
(c) Beverton−Holt
(d) simplex
(e) HMM
(f) PELT
Recruitment
Year
350000
300000
250000
200000
150000
4e+05
3e+05
2e+05
1e+05
1980
1990
2000
2010
2020


1.00
0.75
0.50
0.25
0.00
Coverage probability
AR(1)
Beverton−Holt
HMM
mean
PELT
simplex
Recruitment forecast method


Mean relative absolute error
6
4
2
0
10
20
Years added to training set
method
AR(1)
Beverton−Holt
HMM
mean
PELT
simplex


5−step Forecasts
(a) mean
(b) AR(1)
(c) Beverton−Holt
(d) simplex
(e) HMM
(f) PELT
Recruitment
Year
350000
300000
250000
200000
150000
4e+05
3e+05
2e+05
1e+05
1980
1990
2000
2010
2020


1.00
0.75
0.50
0.25
0.00
Coverage probability
AR(1)
Beverton−Holt
HMM
mean
PELT
simplex
Recruitment forecast method


(a) mean
(b) AR(1)
(c) Beverton−Holt
(d) simplex
(e) HMM
(f) PELT
Five−year rolling average
Years added to training set
350000
300000
250000
200000
150000
320000
280000
240000
160000
4e+05
3e+05
2e+05
1e+05
0
5
10
15
20