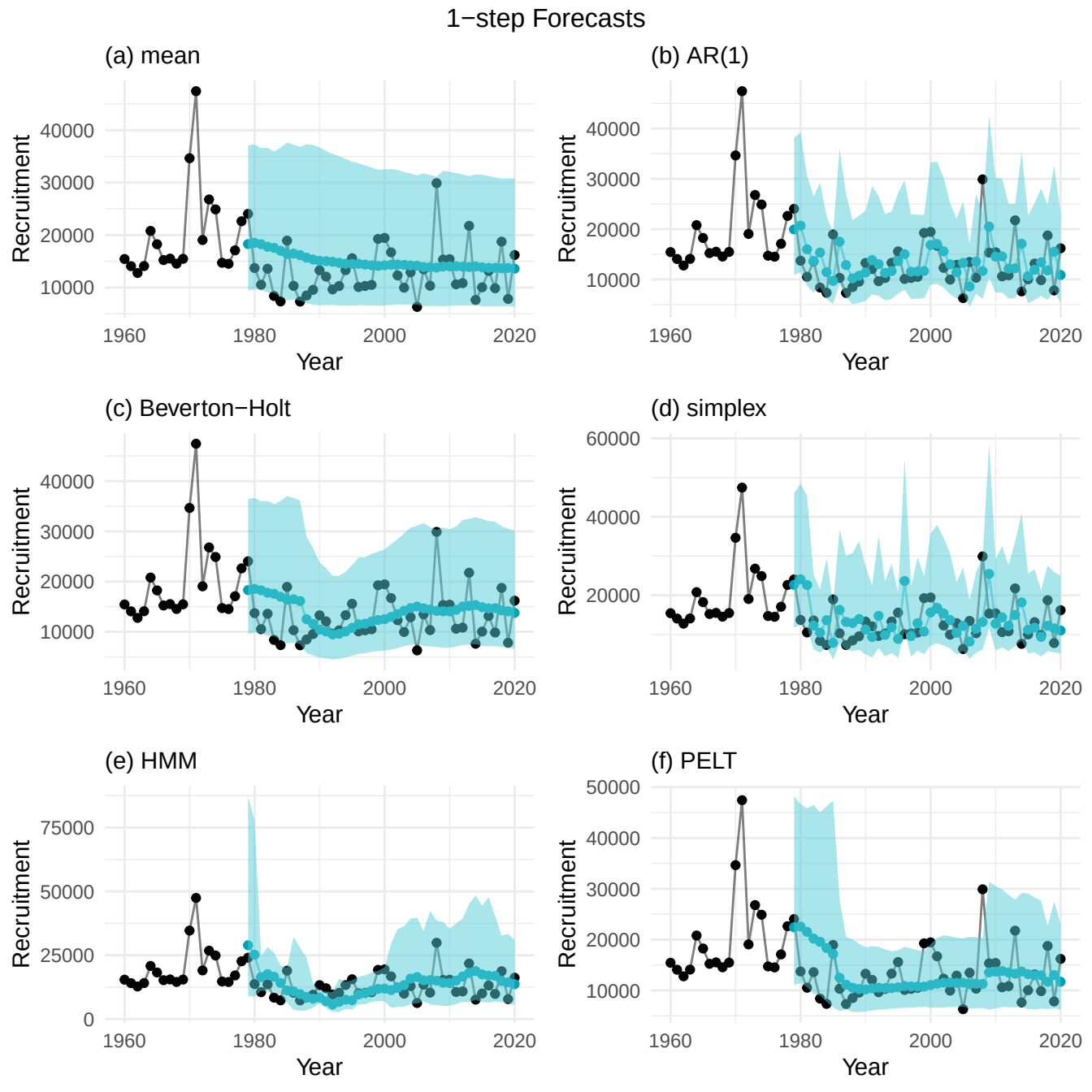
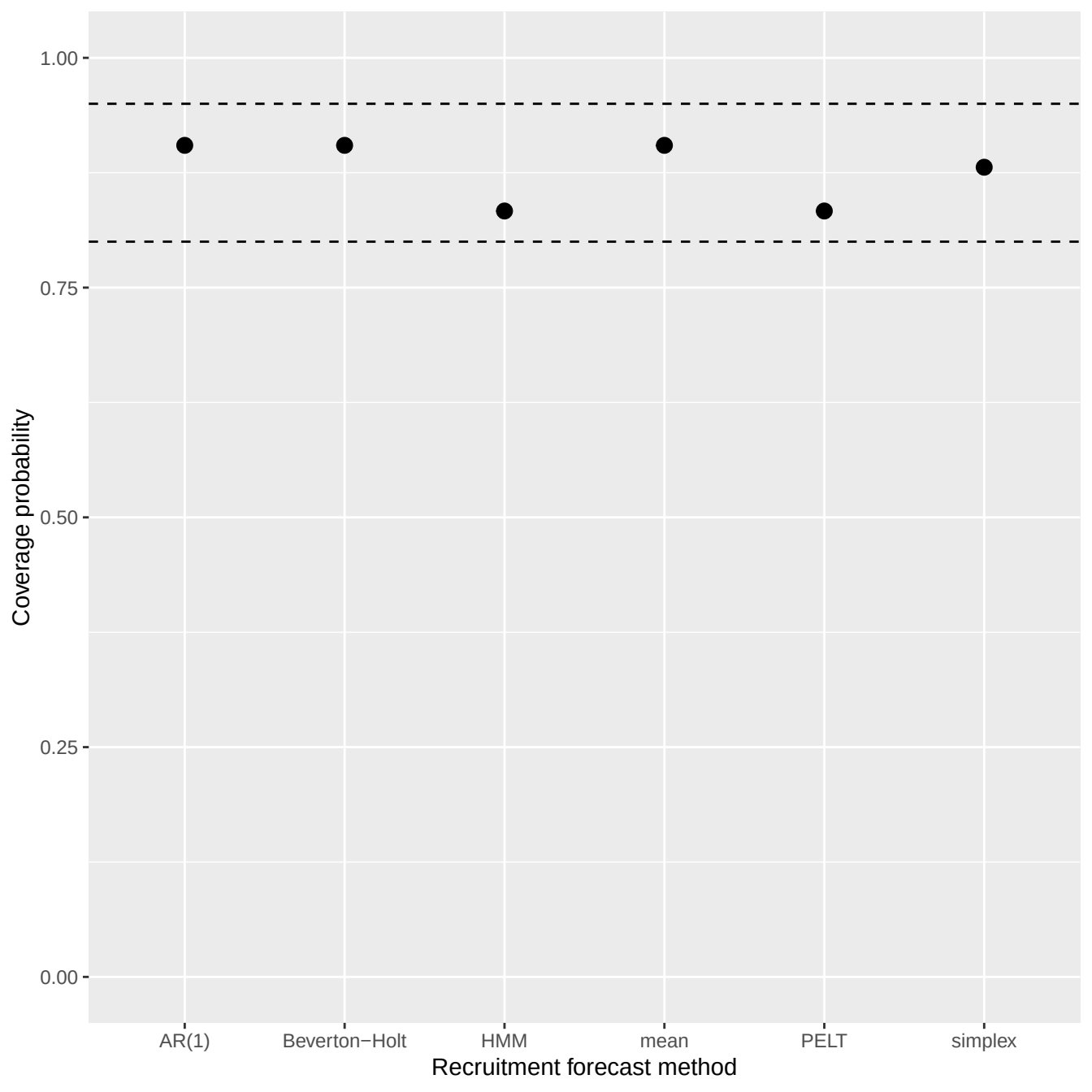
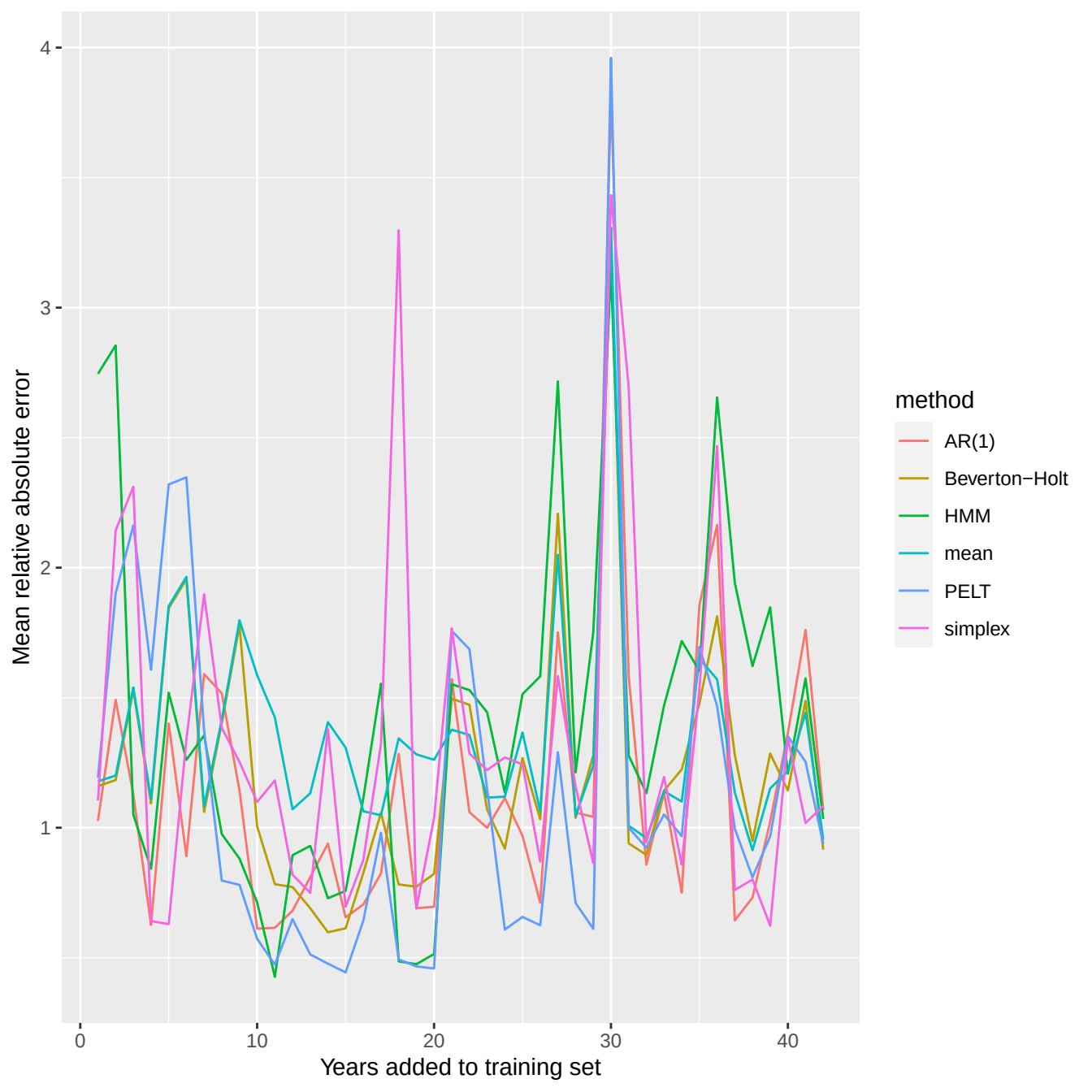
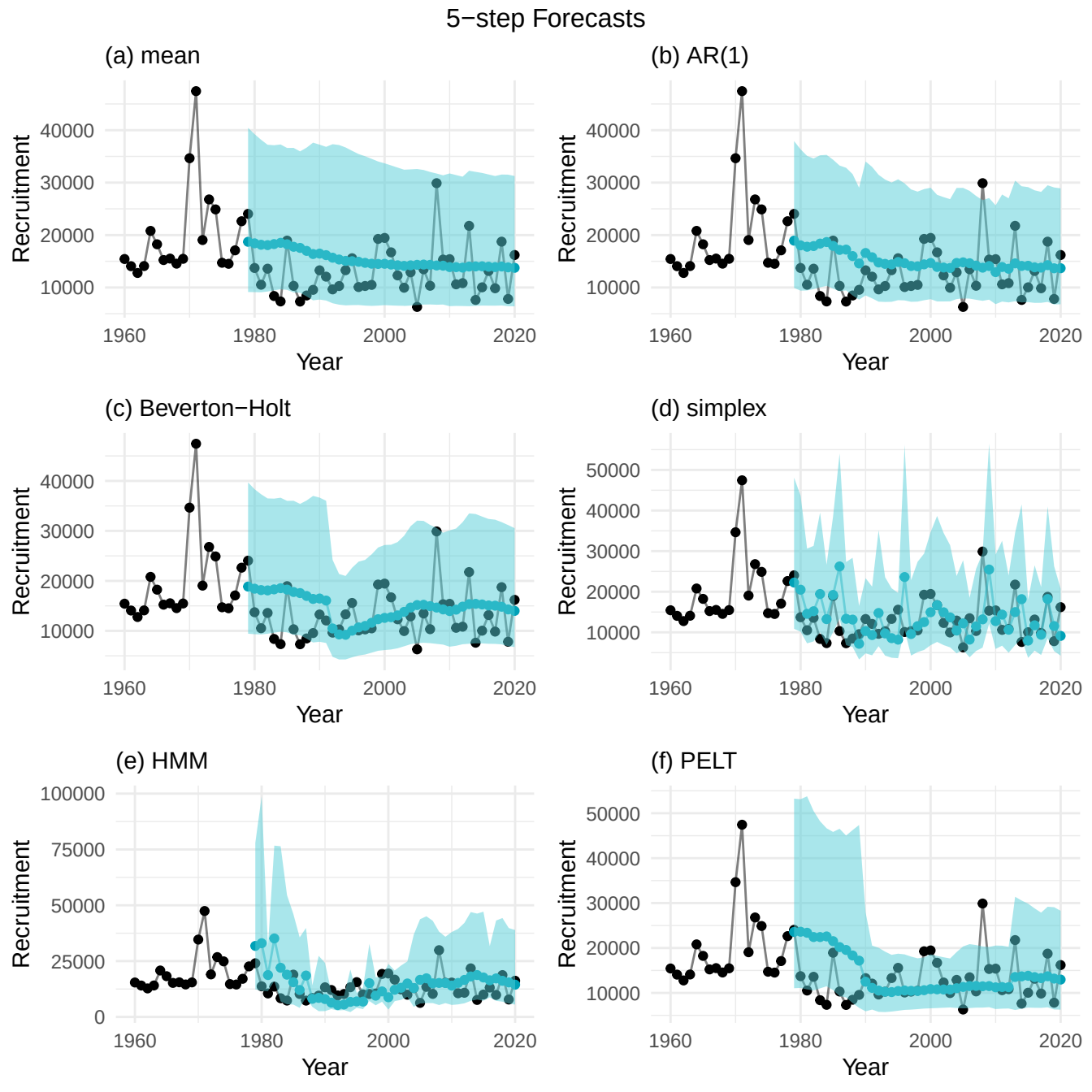
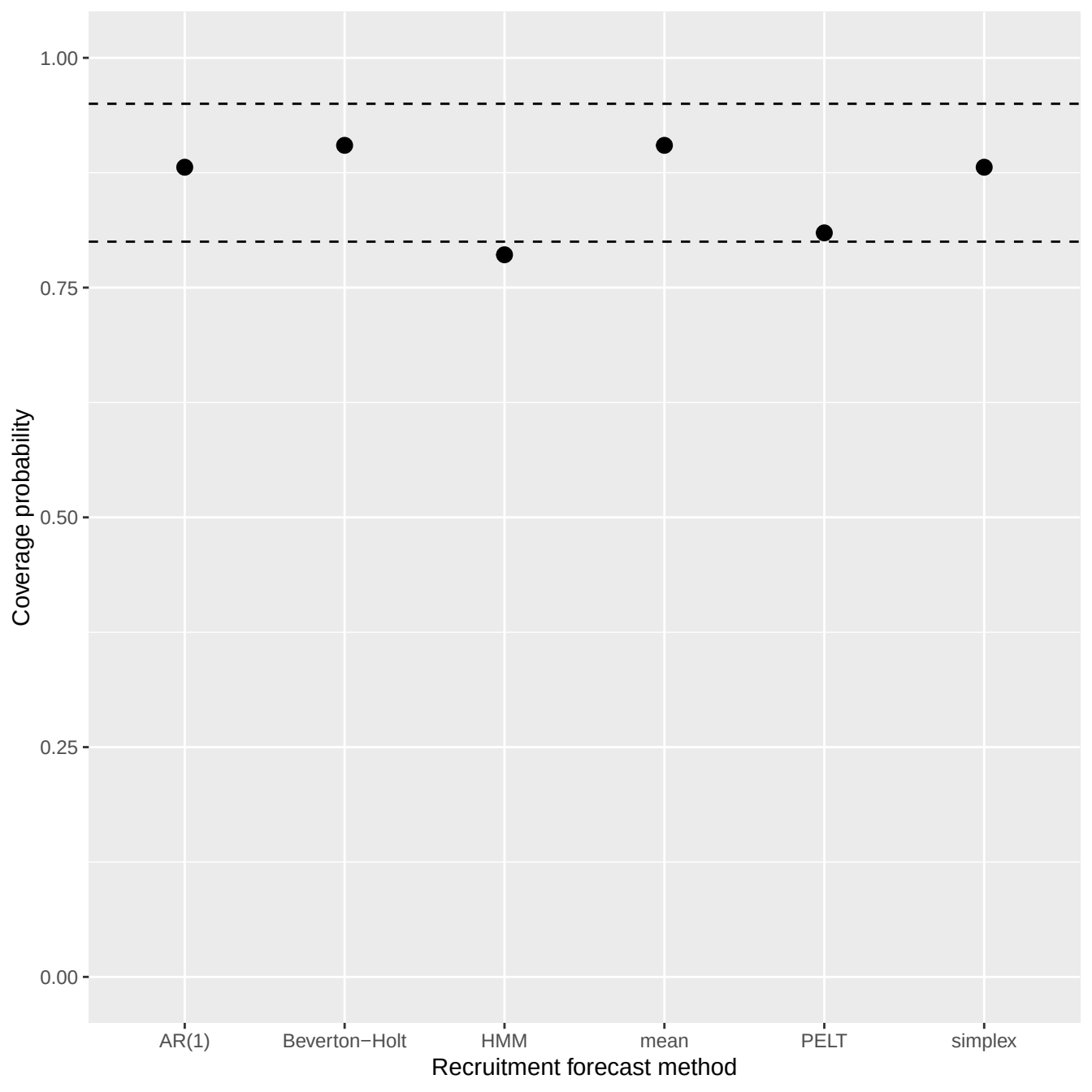
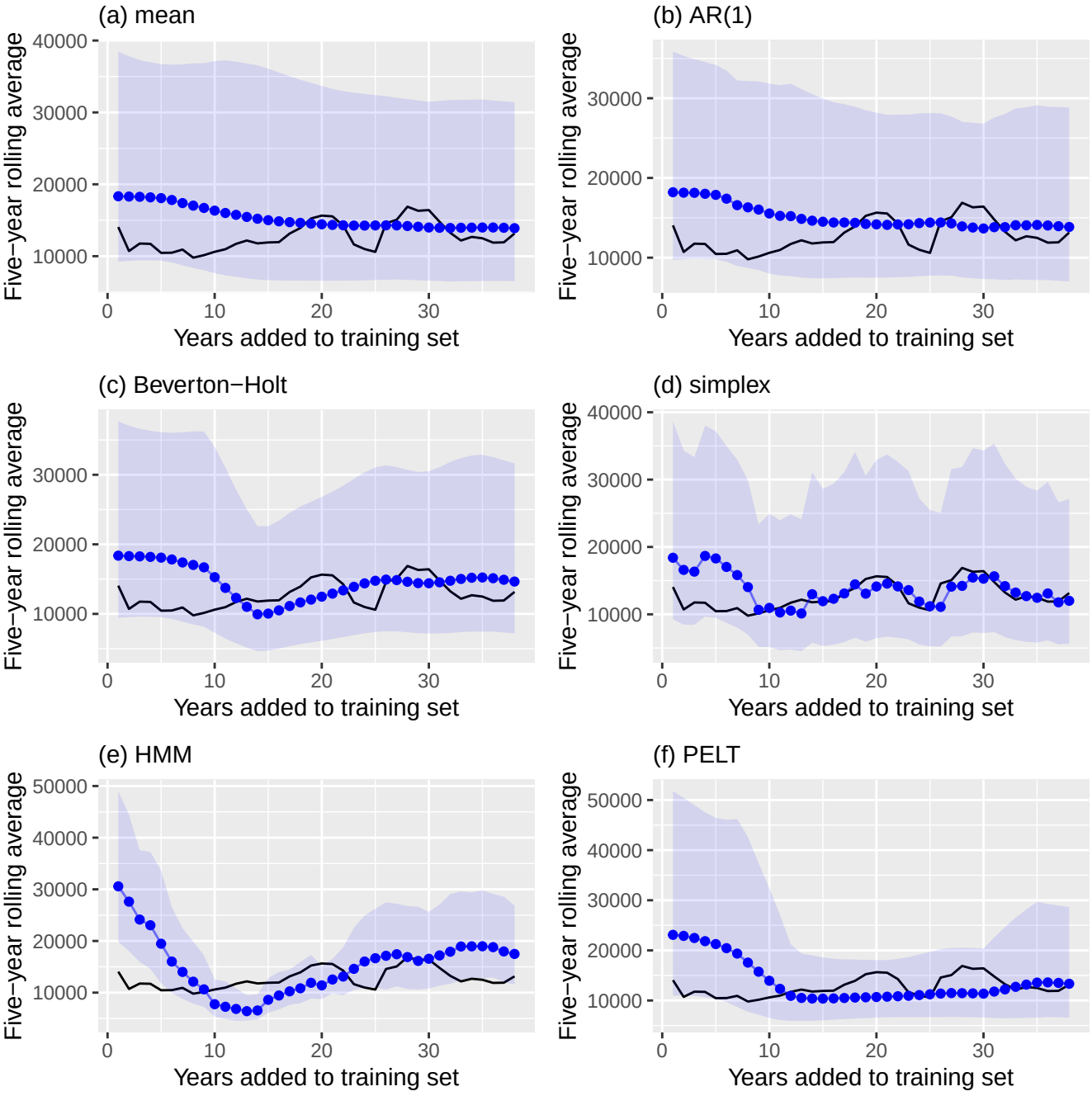

1−step Forecasts
(a) mean
(b) AR(1)
(c) Beverton−Holt
(d) simplex
(e) HMM
(f) PELT
Recruitment
Year
10000
20000
30000
40000
50000
60000
75000
0
25000
1960
1980
2000
2020


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
4
3
2
1
0
10
20
30
40
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
1960
1980
2000
2020
10000
20000
30000
40000
50000
0
25000
50000
75000
100000


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
10000
20000
30000
40000
50000
0
10
20
30