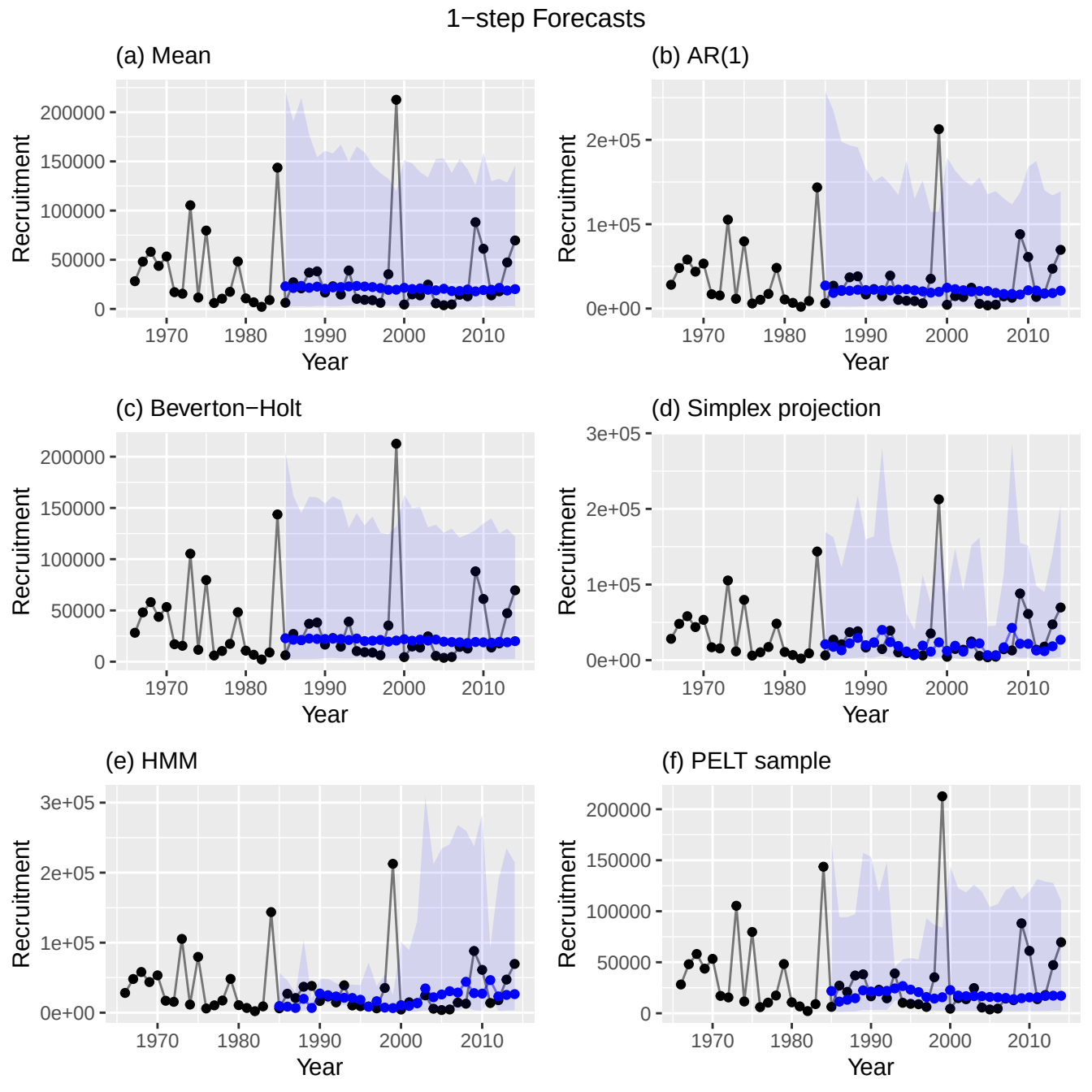
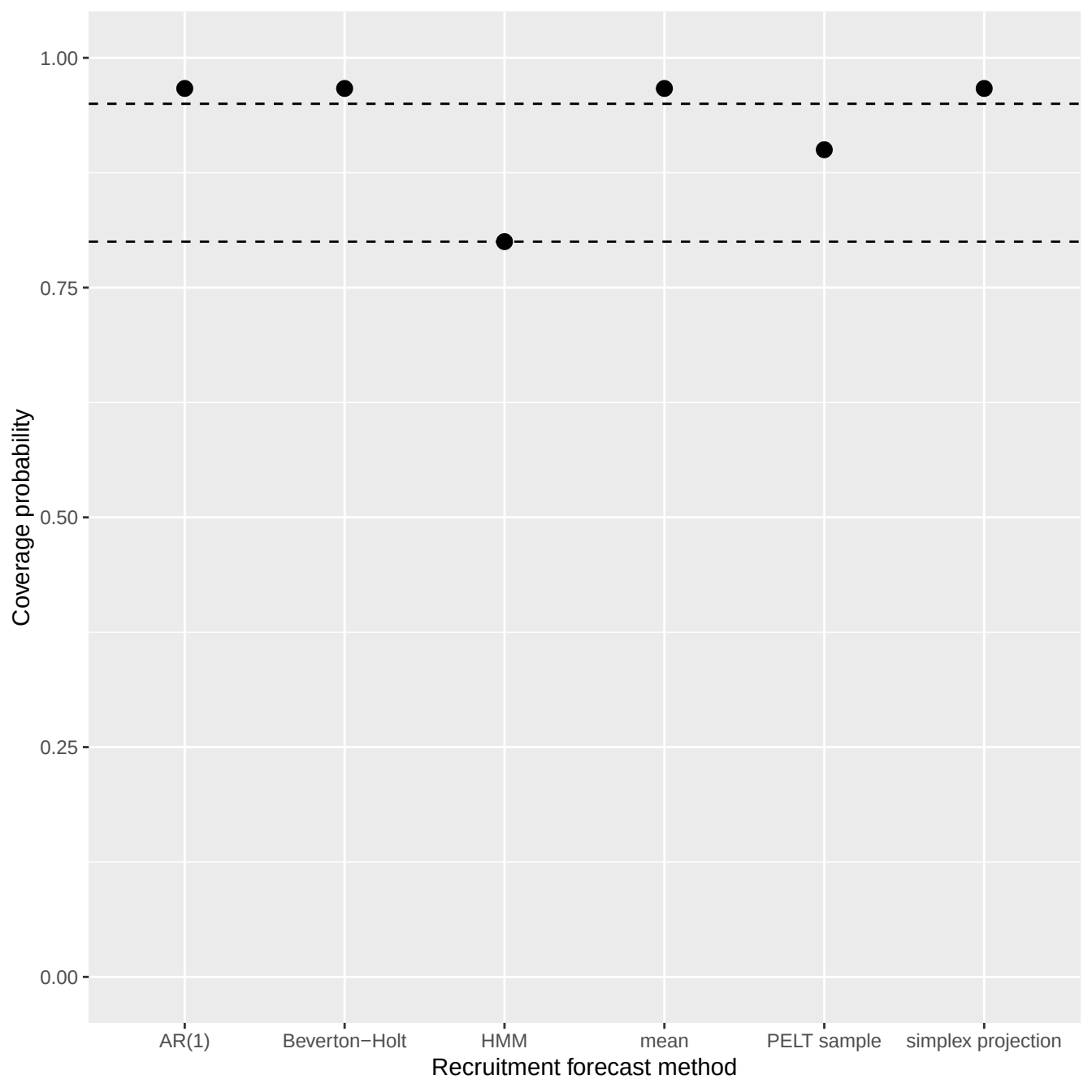
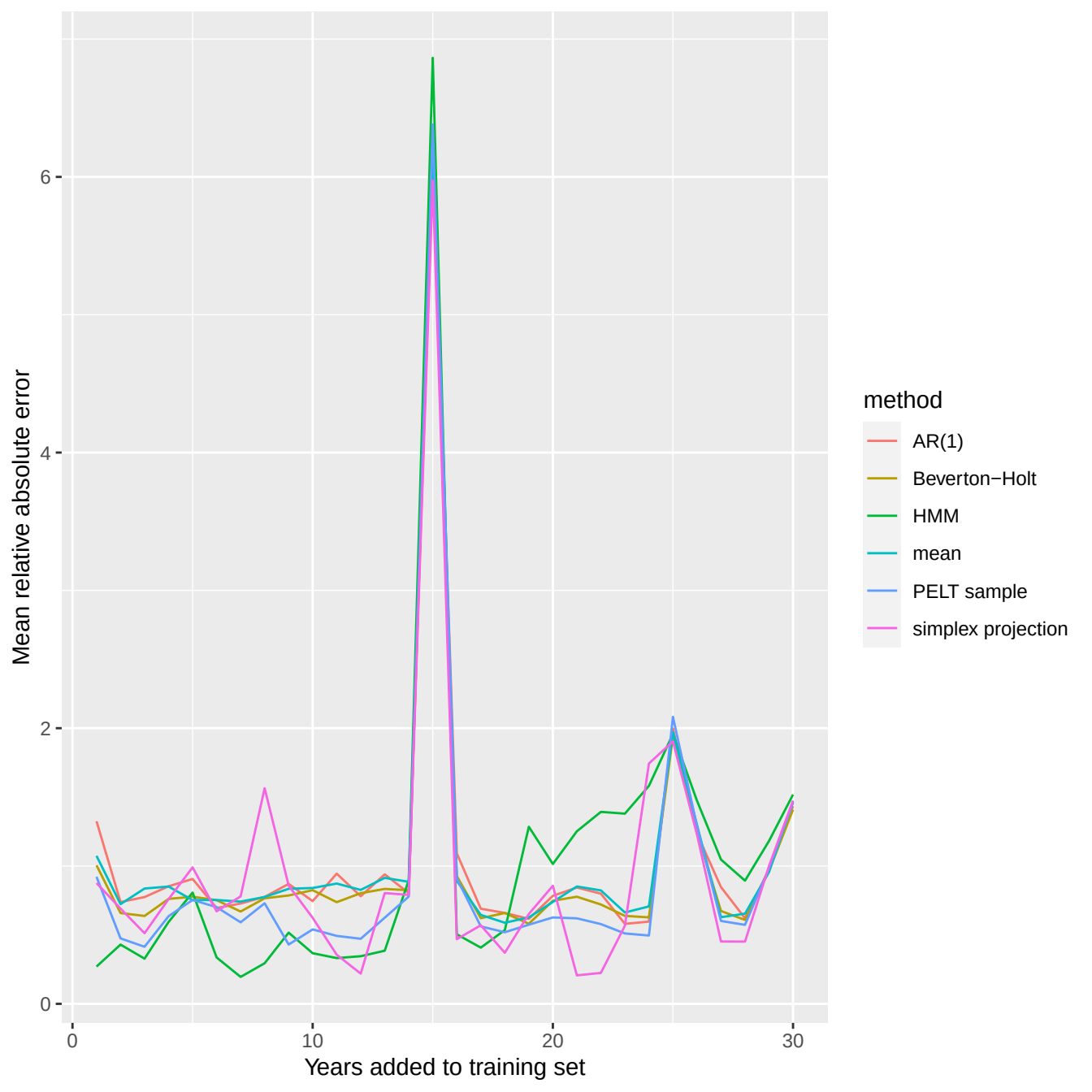
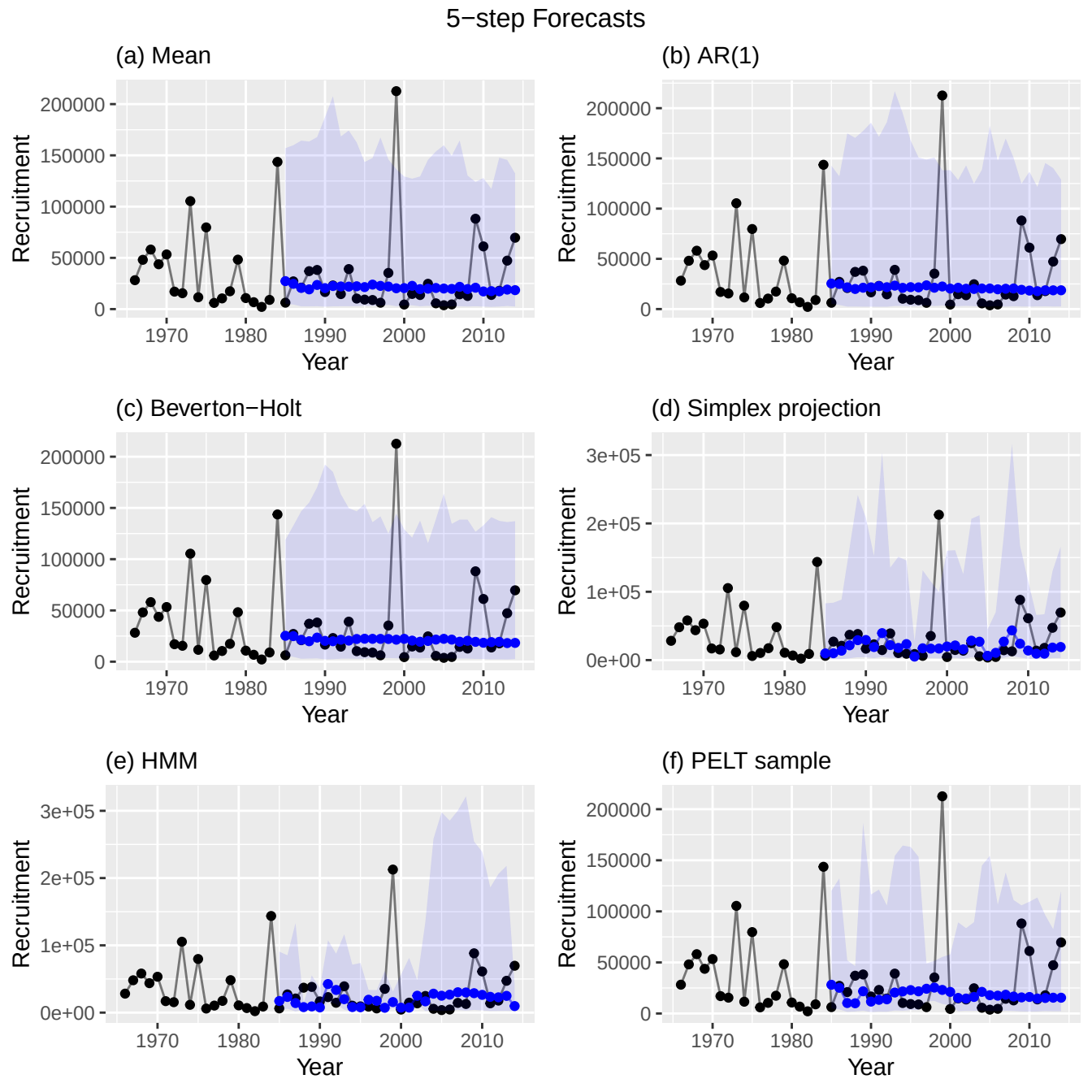
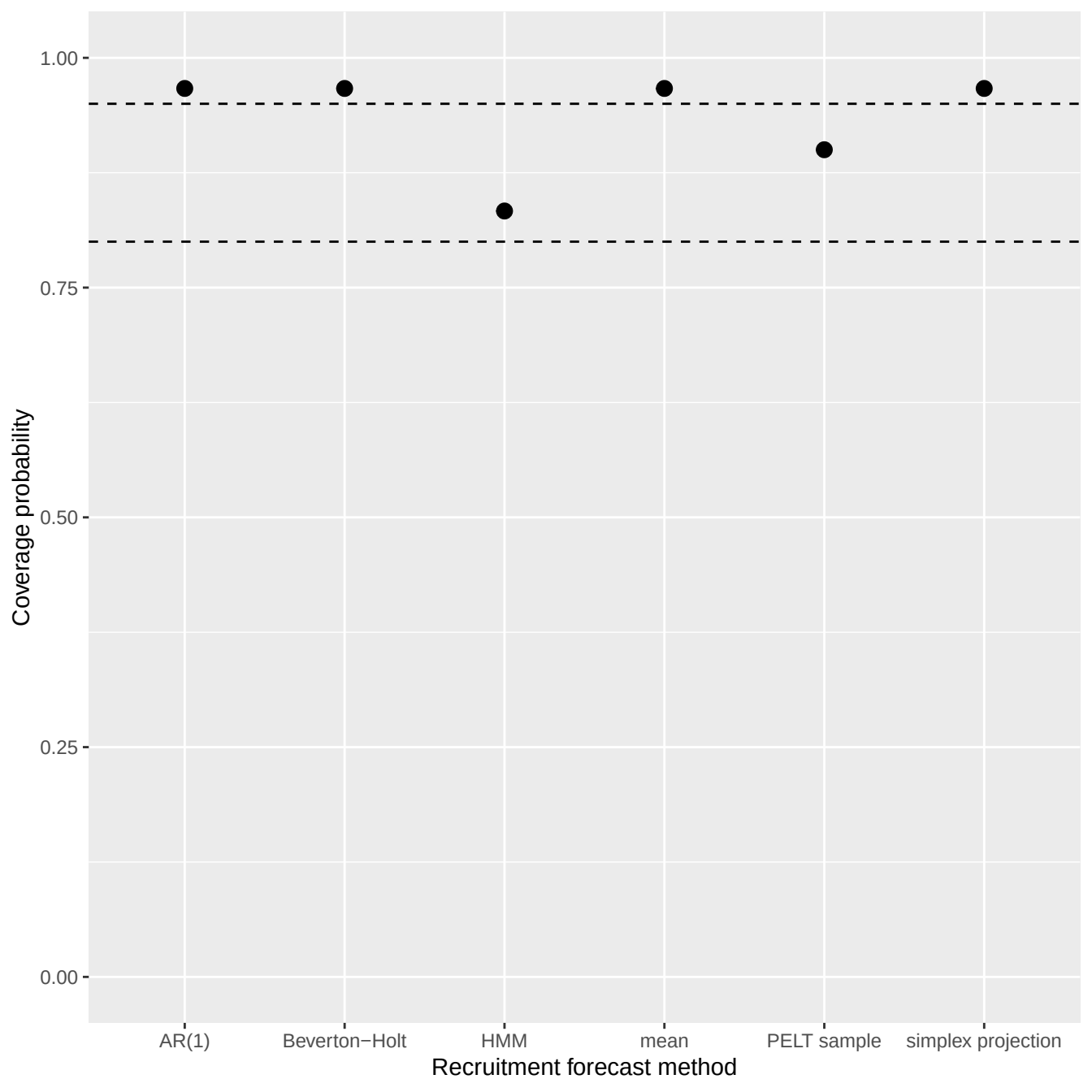
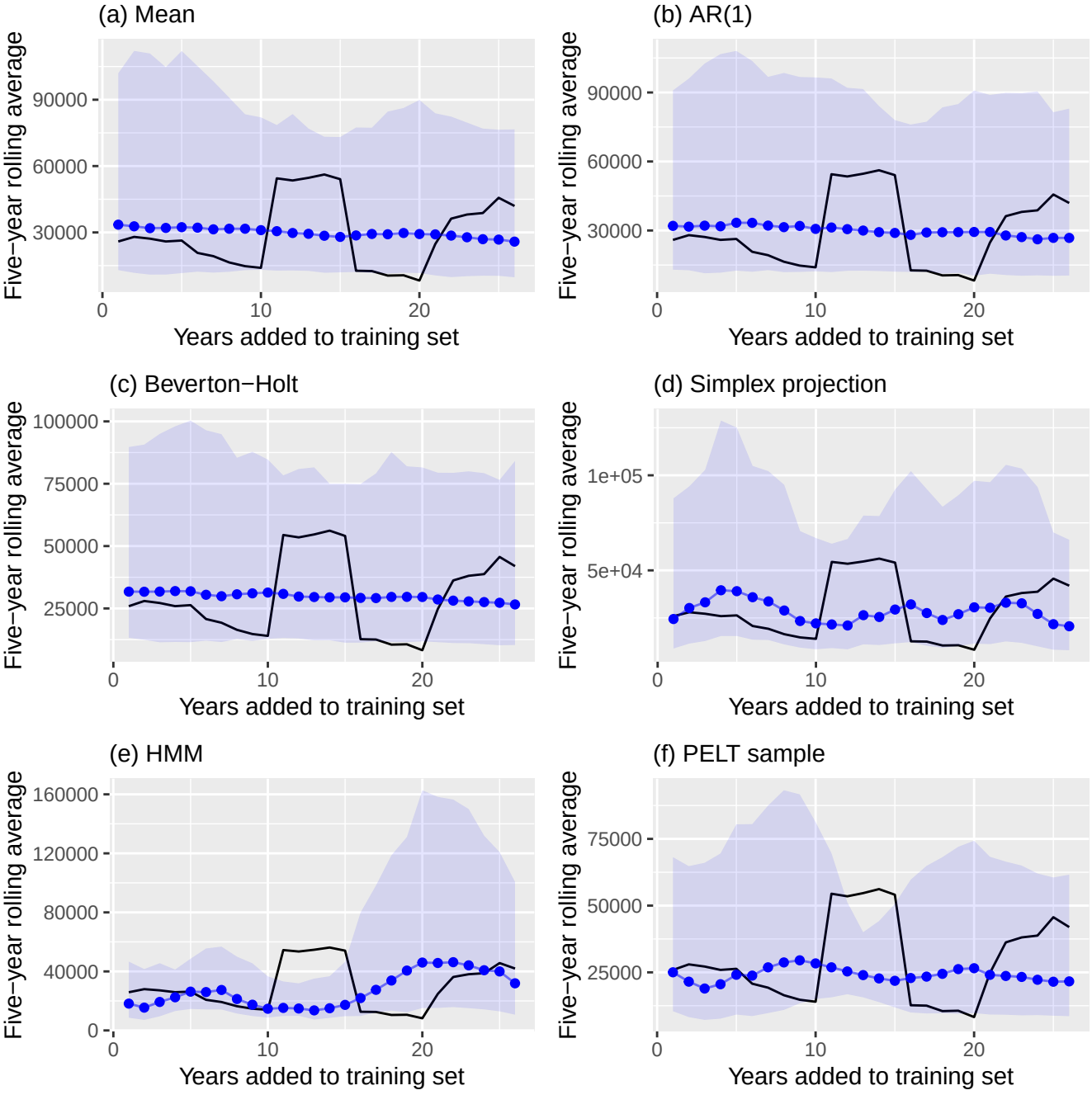

1−step Forecasts
(a) Mean
(b) AR(1)
(c) Beverton−Holt
(d) Simplex projection
(e) HMM
(f) PELT sample
Recruitment
Year
0
50000
100000
150000
200000
0e+00
1e+05
2e+05
3e+05
1970
1980
1990
2000
2010


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


Mean relative absolute error
0
2
4
6
0
10
20
30
Years added to training set
method
AR(1)
Beverton−Holt
HMM
mean
PELT sample
simplex projection


5−step Forecasts
(a) Mean
(b) AR(1)
(c) Beverton−Holt
(d) Simplex projection
(e) HMM
(f) PELT sample
Recruitment
Year
0
50000
100000
150000
200000
0e+00
1e+05
2e+05
3e+05
1970
1980
1990
2000
2010


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


(a) Mean
(b) AR(1)
(c) Beverton−Holt
(d) Simplex projection
(e) HMM
(f) PELT sample
Five−year rolling average
Years added to training set
0
10
20
30000
60000
90000
25000
50000
75000
100000
40000
80000
120000
160000
5e+04
1e+05