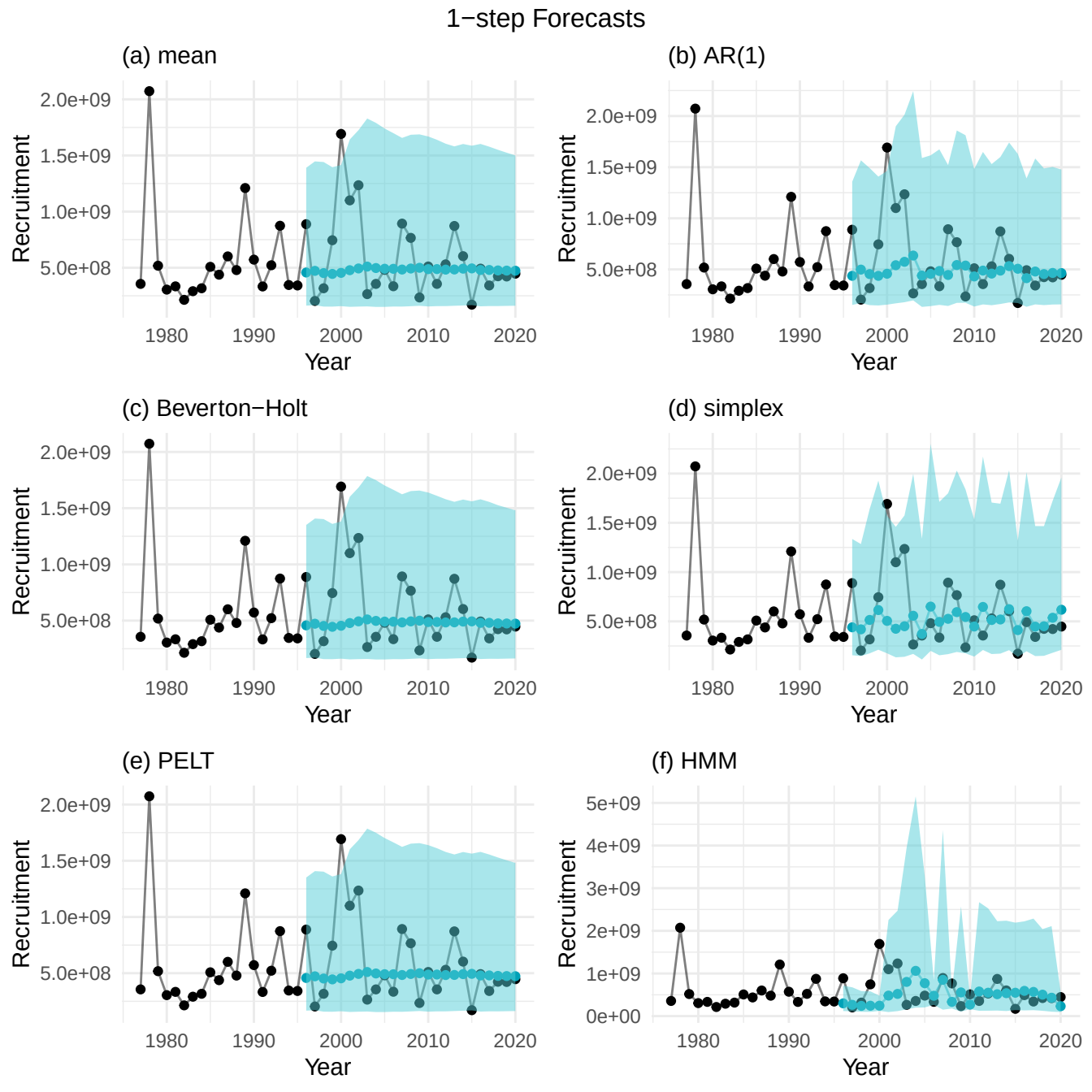
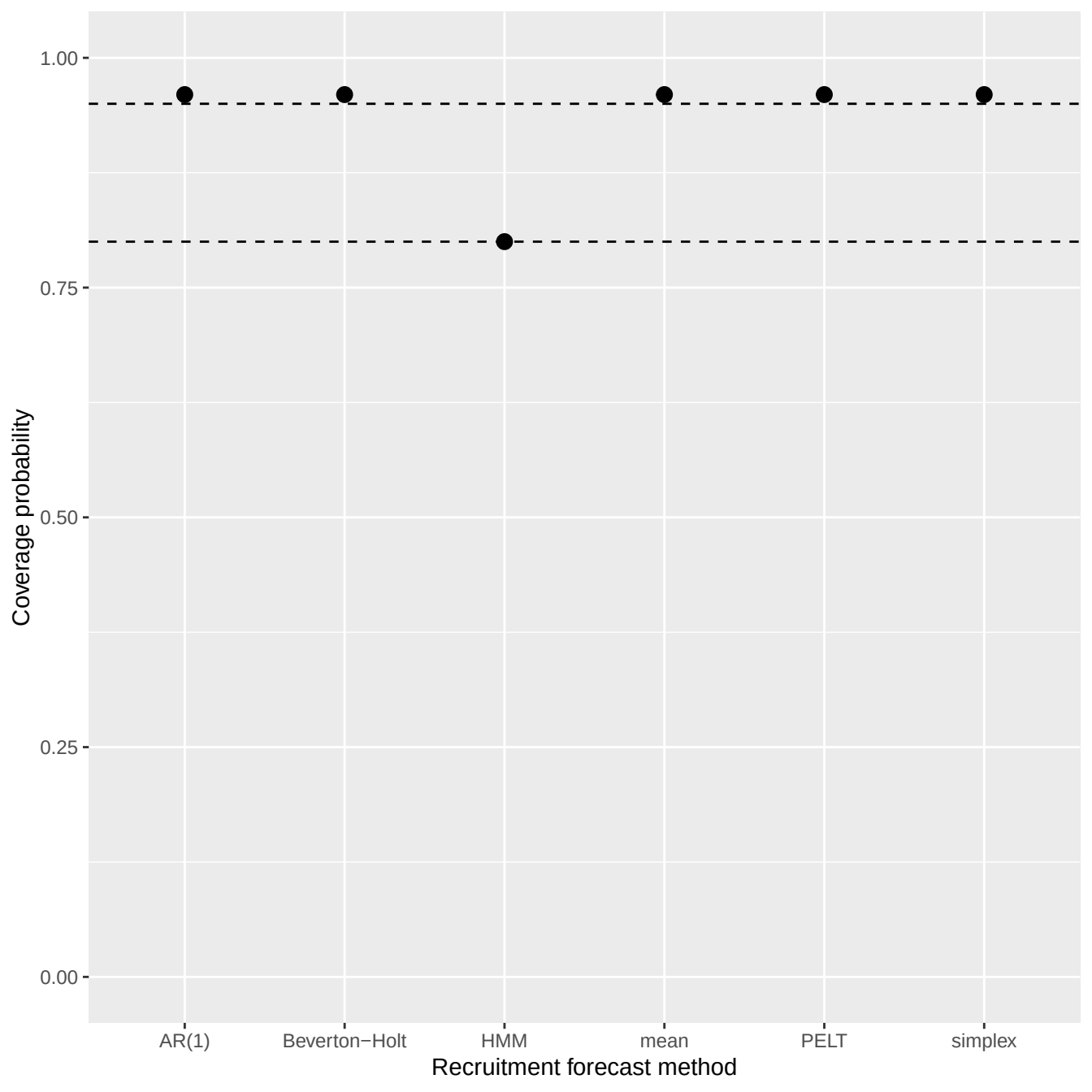
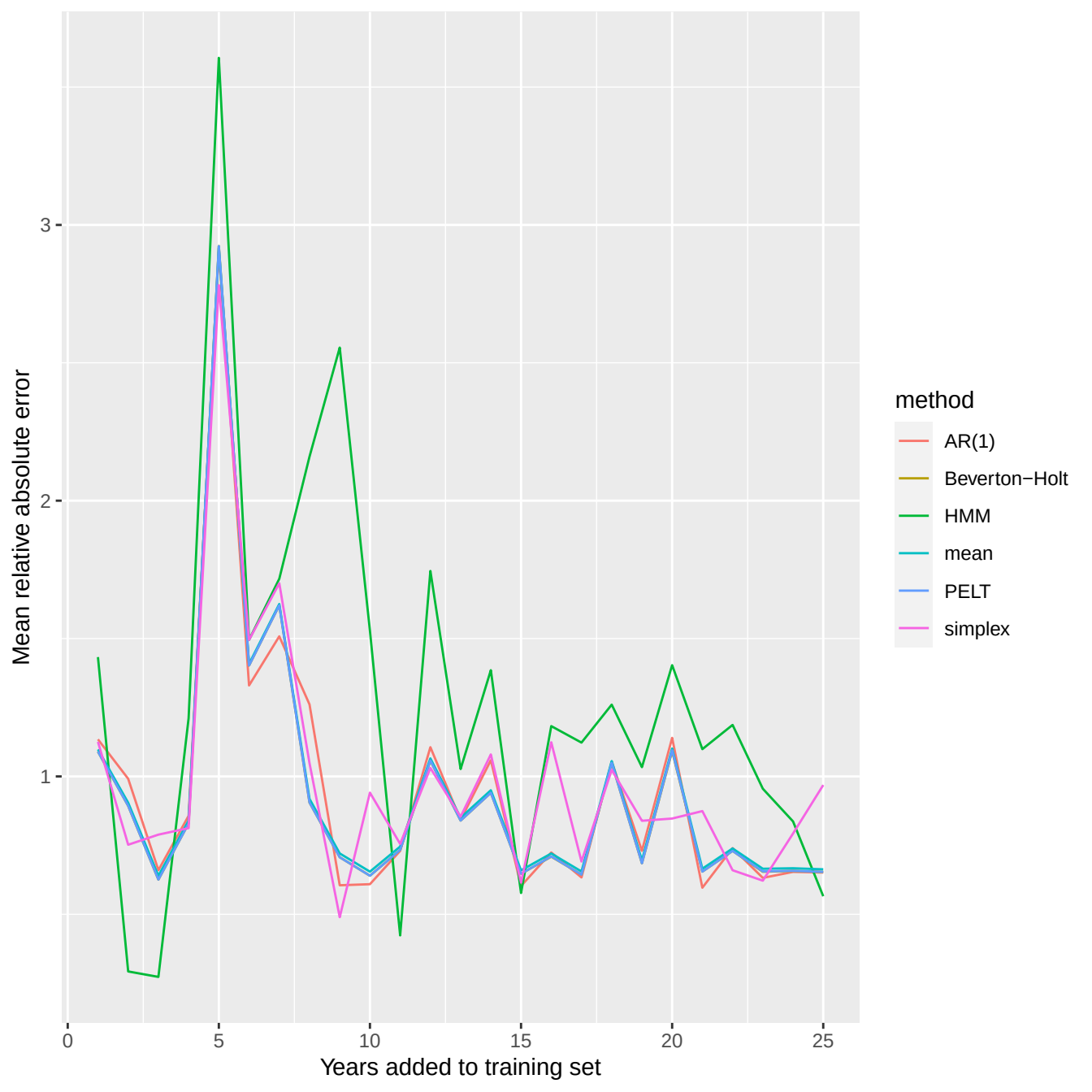
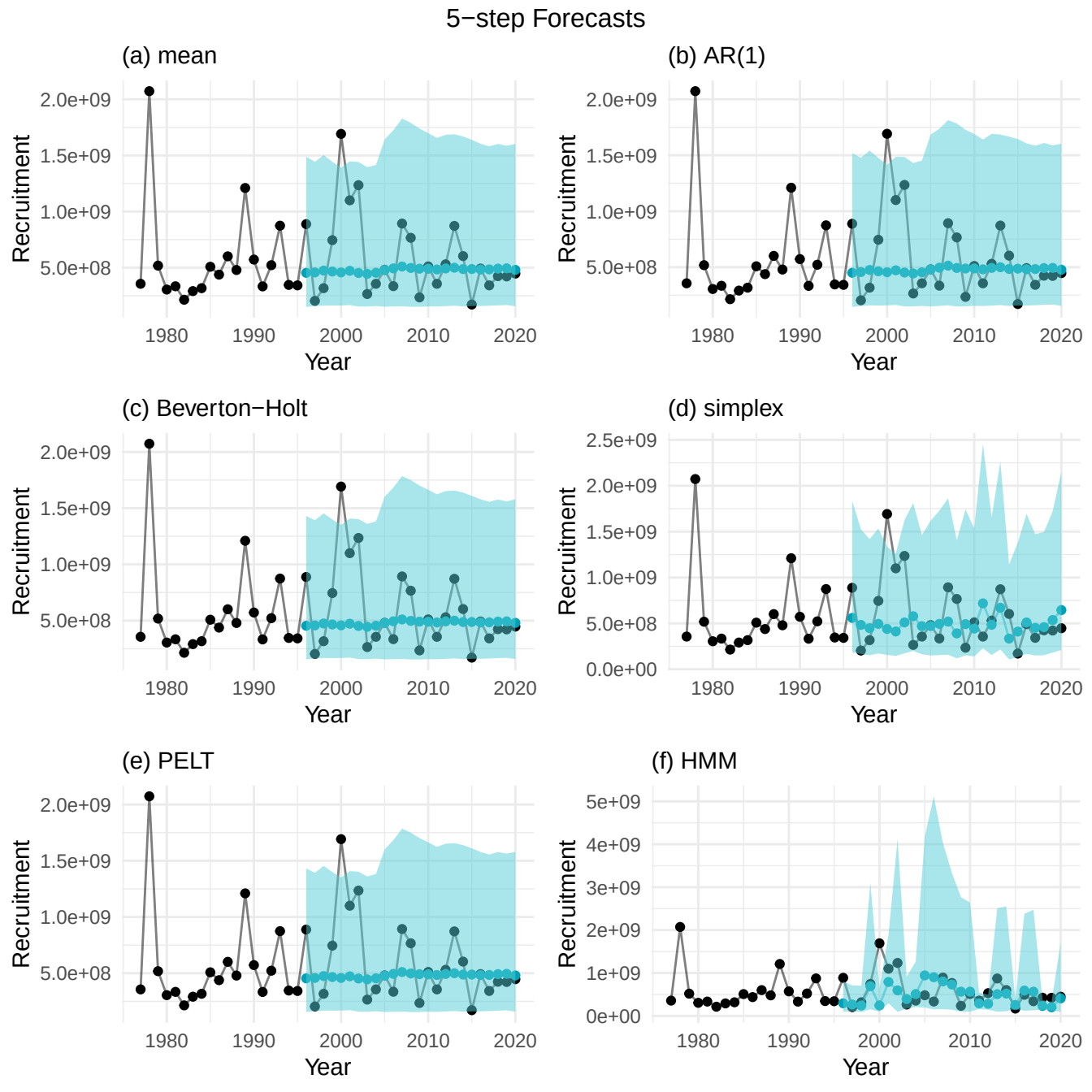
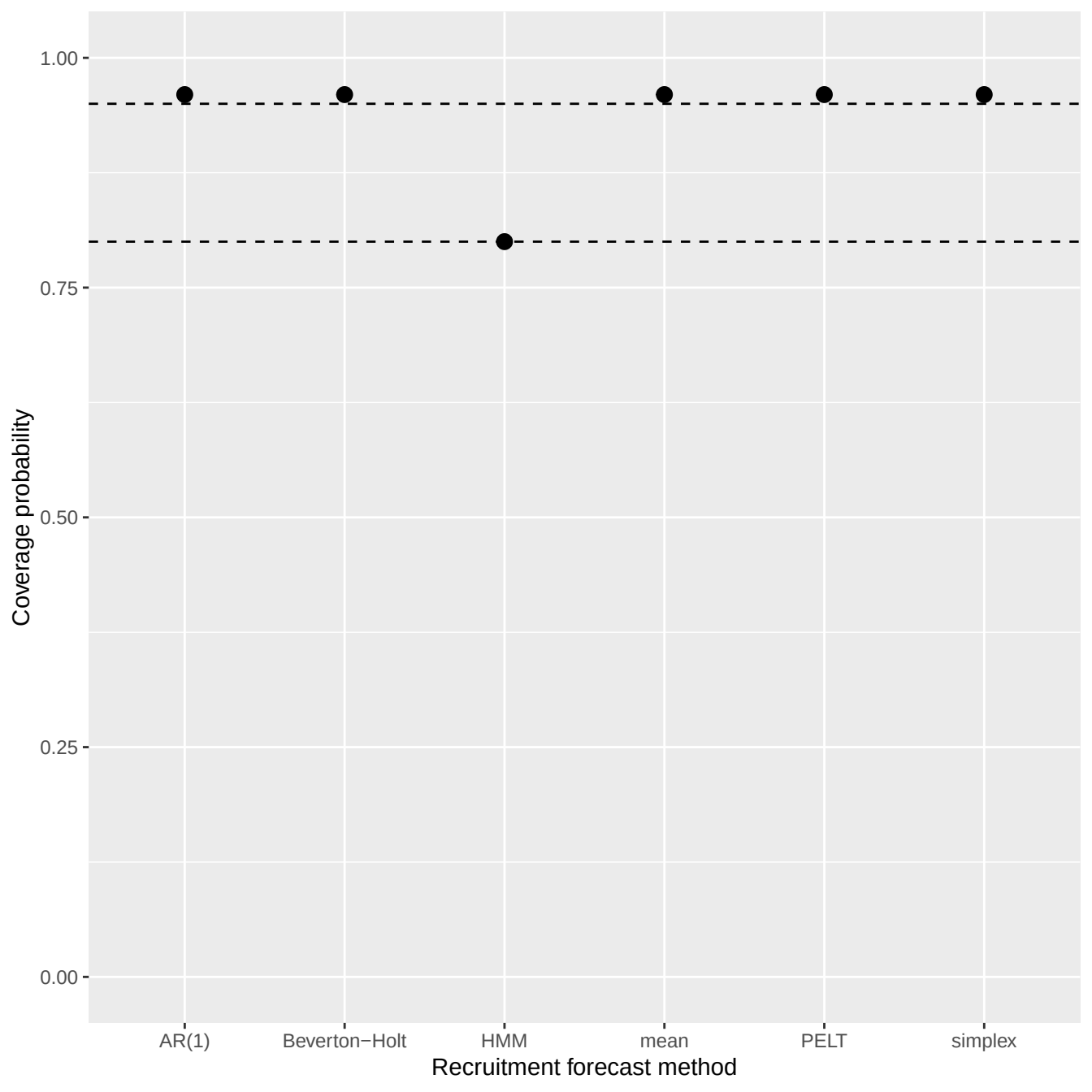
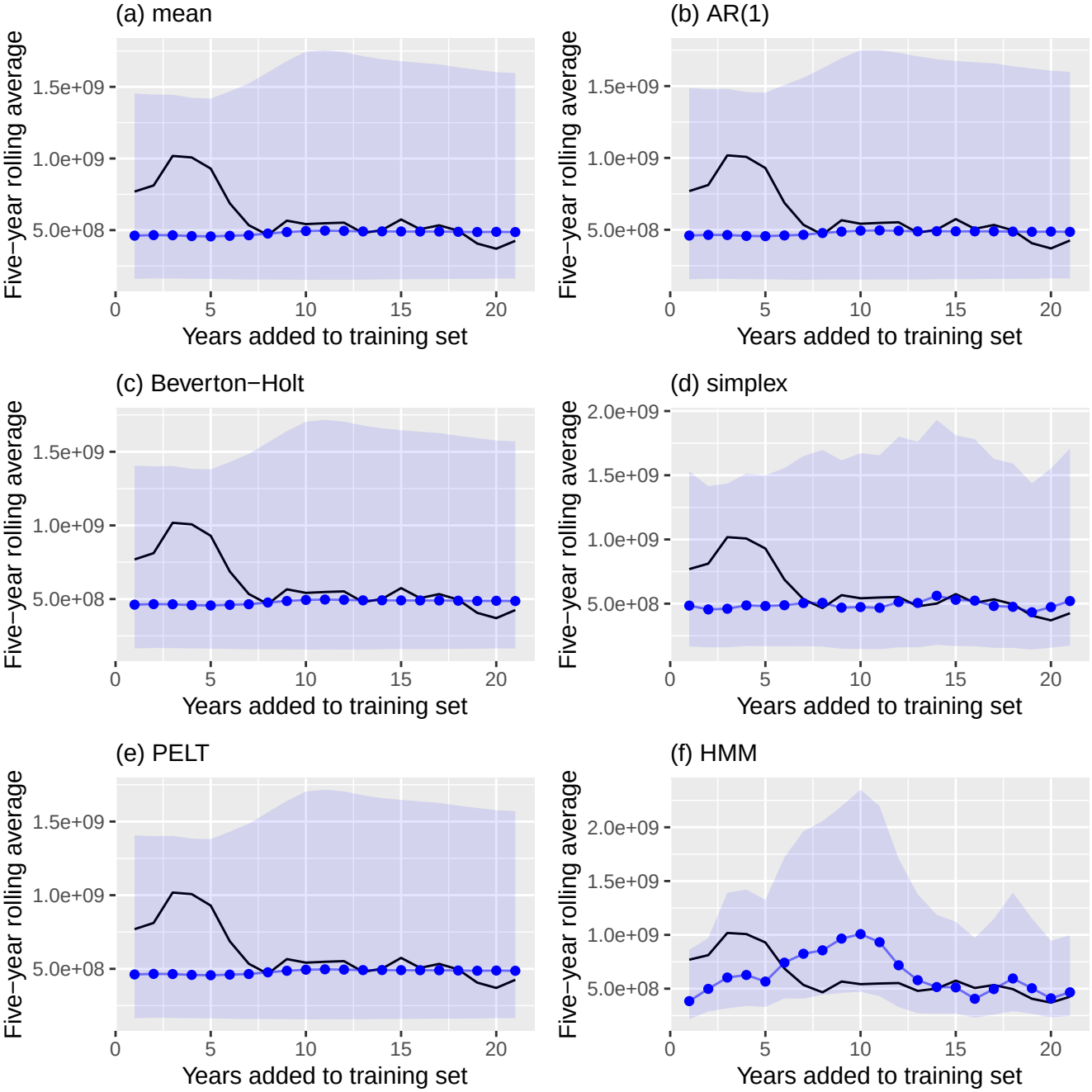

1−step Forecasts
(a) mean
(b) AR(1)
(c) Beverton−Holt
(d) simplex
(e) PELT
(f) HMM
Recruitment
Year
2.0e+09
1.5e+09
1.0e+09
5.0e+08
5e+09
4e+09
3e+09
2e+09
1e+09
0e+00
1980
1990
2000
2010
2020


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
3
2
1
0
5
10
15
20
25
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) PELT
(f) HMM
Recruitment
Year
2.0e+09
1.5e+09
1.0e+09
5.0e+08
2.5e+09
0.0e+00
5e+09
4e+09
3e+09
2e+09
1e+09
0e+00
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) PELT
(f) HMM
Five−year rolling average
Years added to training set
5.0e+08
1.0e+09
1.5e+09
2.0e+09
0
5
10
15
20