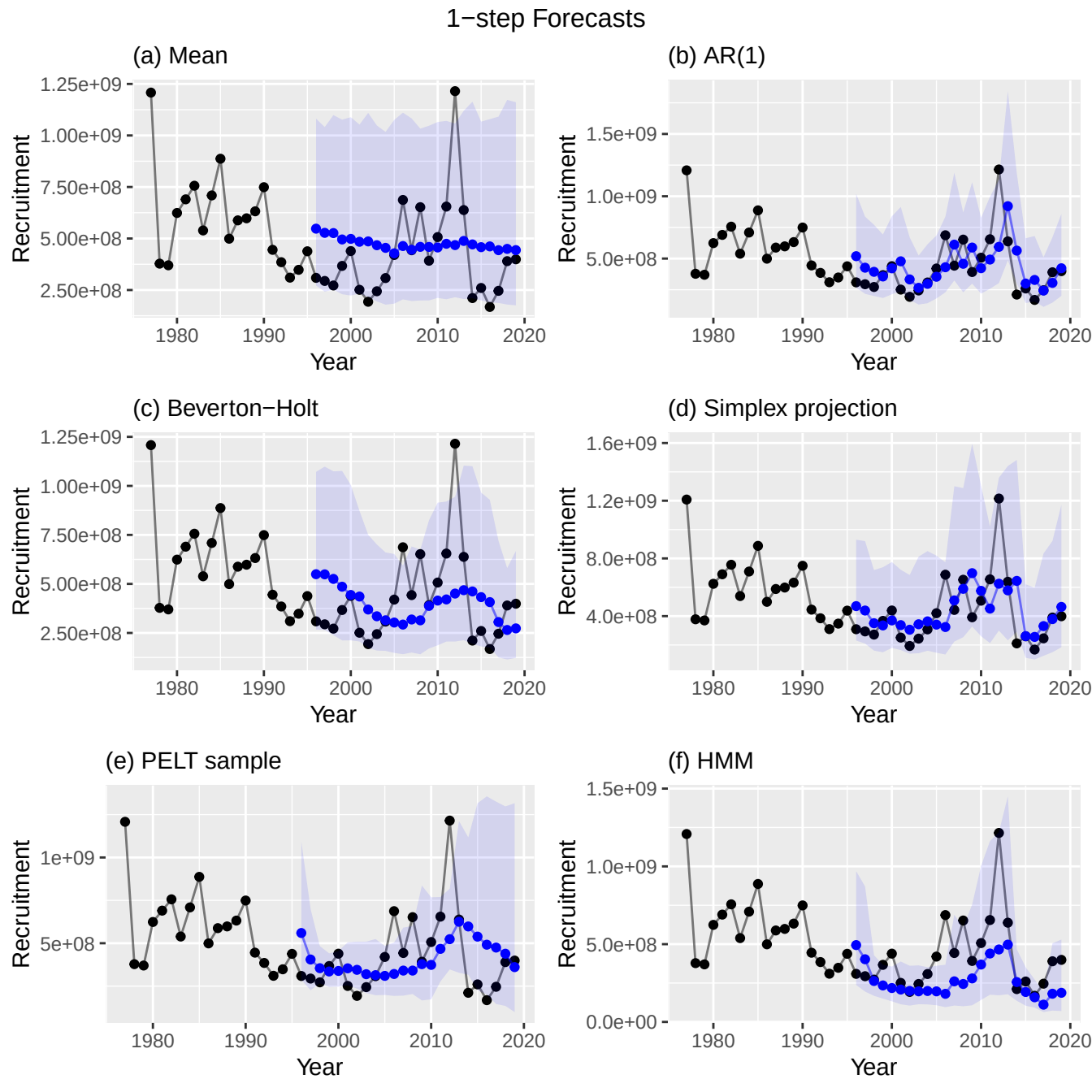
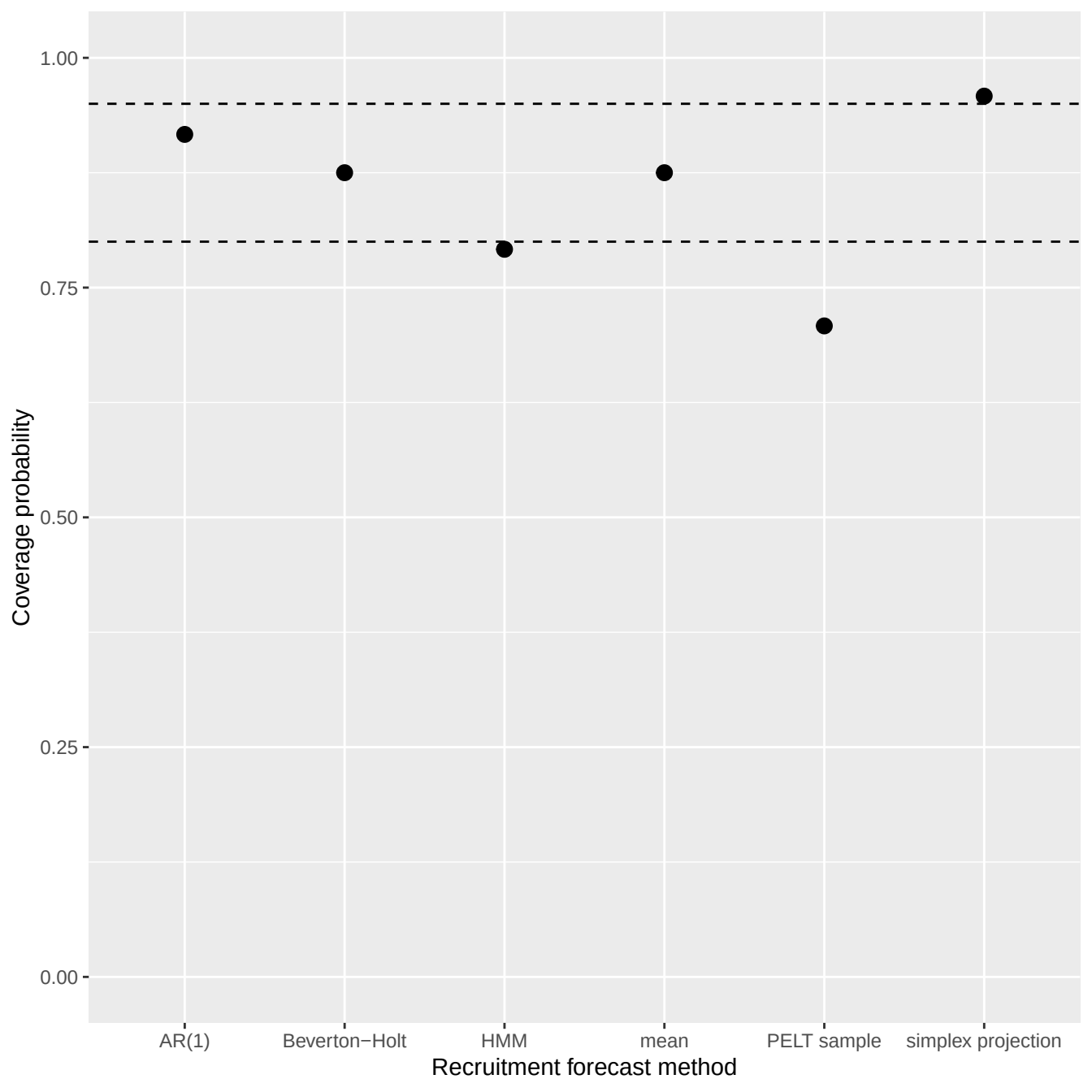
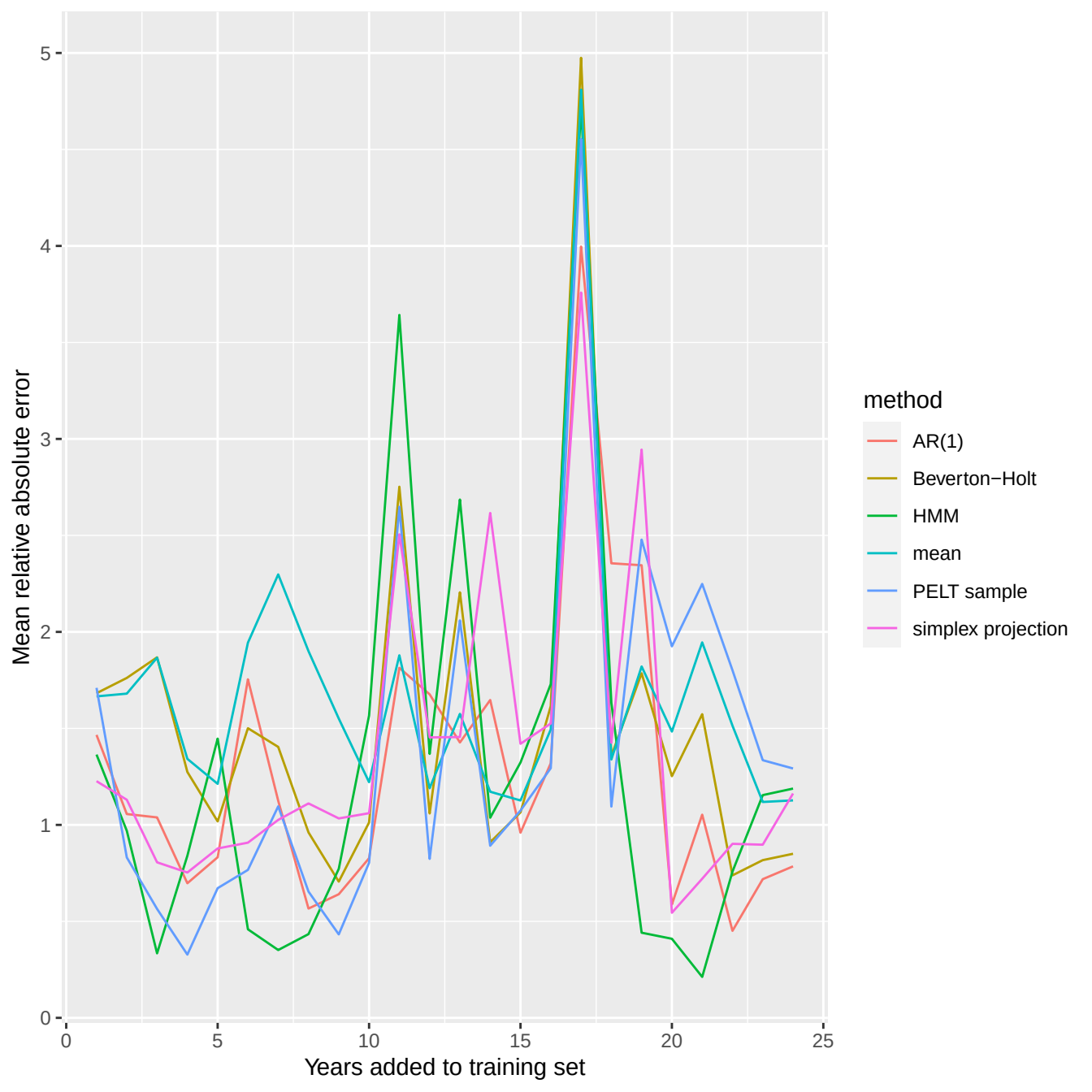
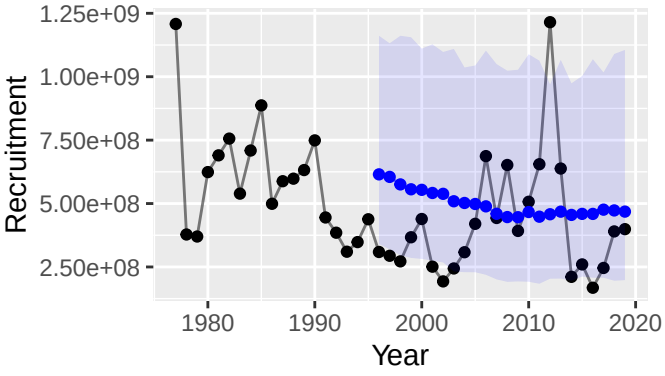

1−step Forecasts
(a) Mean
(b) AR(1)
(c) Beverton−Holt
(d) Simplex projection
(e) PELT sample
(f) HMM
Recruitment
Year
1.25e+09
1.00e+09
7.50e+08
5.00e+08
2.50e+08
1.5e+09
1.0e+09
5.0e+08
1.6e+09
1.2e+09
8.0e+08
4.0e+08
1e+09
5e+08
0.0e+00
1980
1990
2000
2010
2020


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

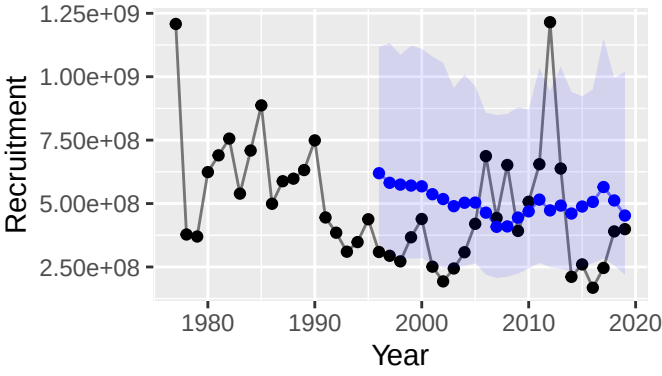

Mean relative absolute error
Years added to training set
0
1
2
3
4
5
0
5
10
15
20
25
method
AR(1)
Beverton−Holt
HMM
mean
PELT sample
simplex projection

5−step Forecasts

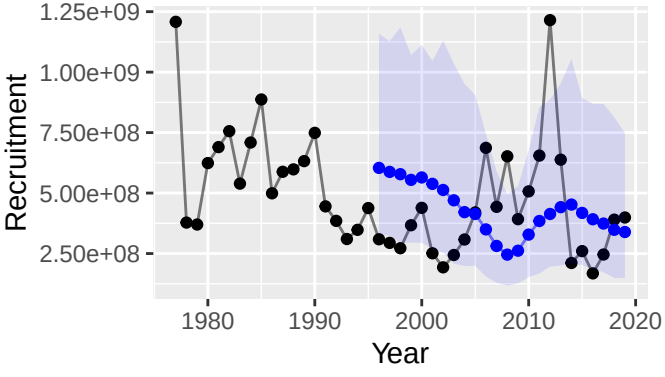
(a) Mean



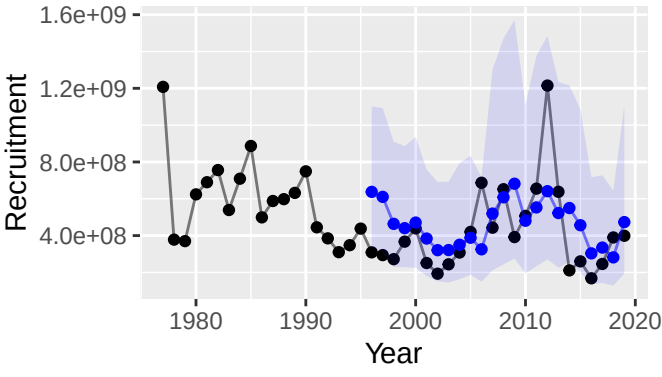
(b) AR(1)



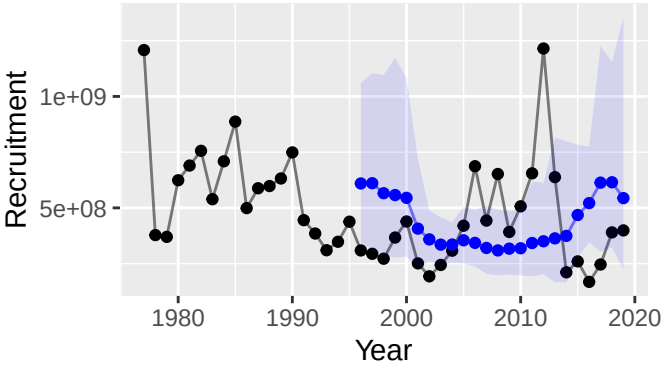
(c) Beverton−Holt

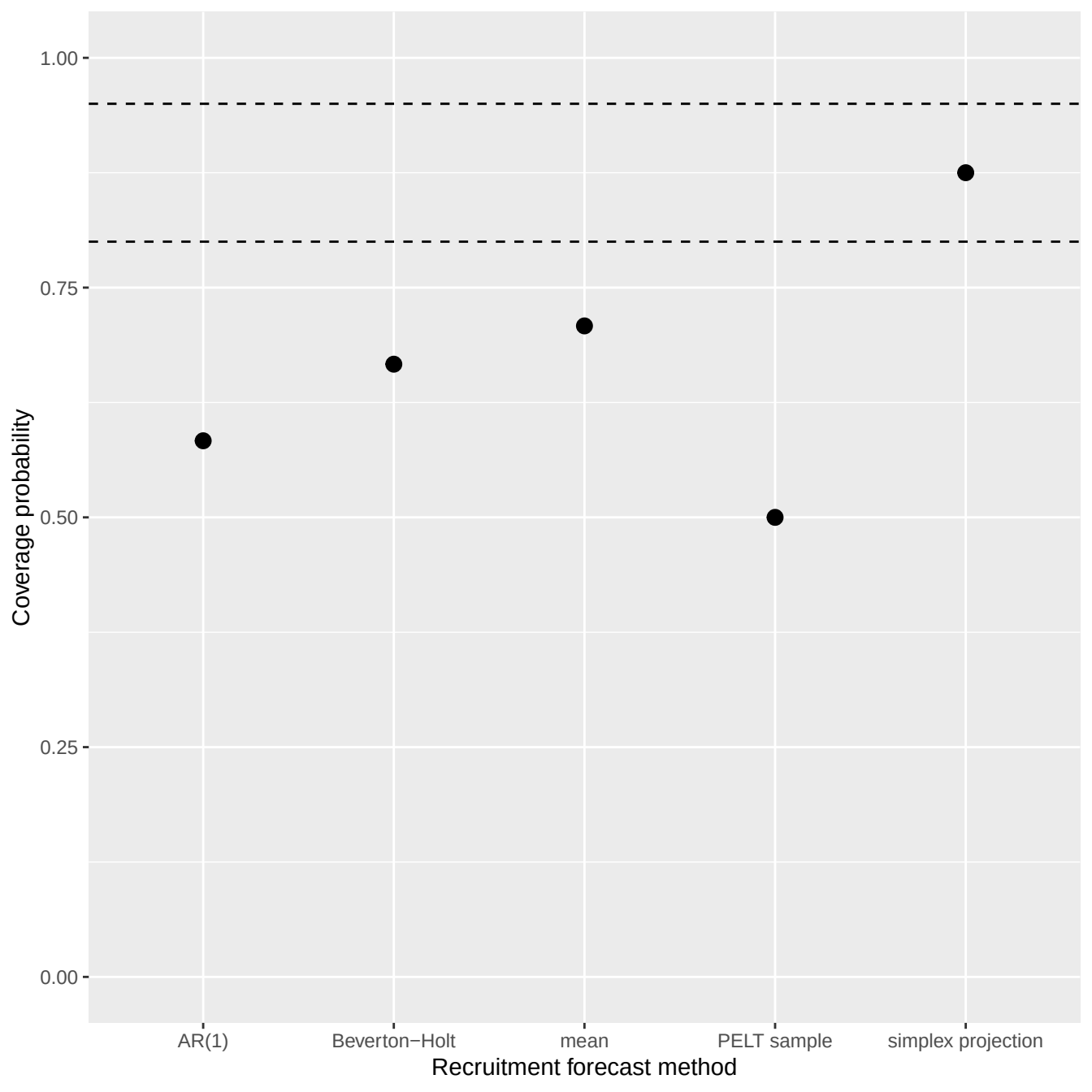


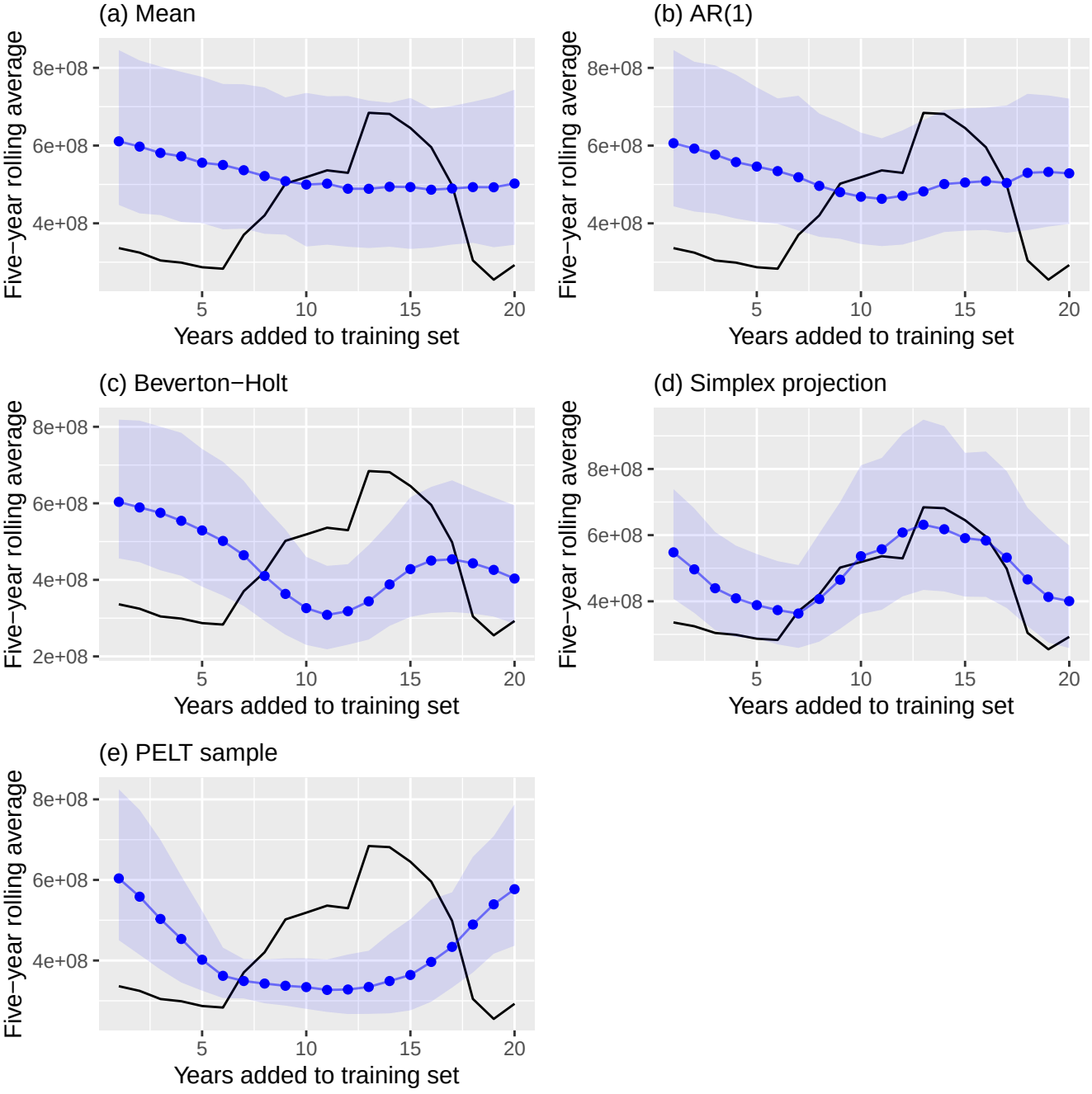
(d) Simplex projection



(e) PELT sample




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


(a) Mean
(b) AR(1)
(c) Beverton−Holt
(d) Simplex projection
(e) PELT sample
Five−year rolling average
8e+08
6e+08
4e+08
2e+08
5
10
15
20
Years added to training set