1-step Forecasts (a) Mean (b) AR(1) Recruitment Recruitment 10000 -10000 -5000 -5000 -0 -0 -1990 2010 1980 2000 1980 1990 2010 2000 Year Year (c) Beverton-Holt (d) Simplex projection 15000 -Recruitment Recruitment 10000 -10000 -5000 -5000 -0 -0 -1980 1990 2000 1980 1990 2010 2010 2000 Year Year (e) HMM (f) PELT sample 20000 -15000 -Recruitment Recruitment 10000 -10000 -5000 -5000 -

0 -

1980

1990

2010

2000

Year

0 -

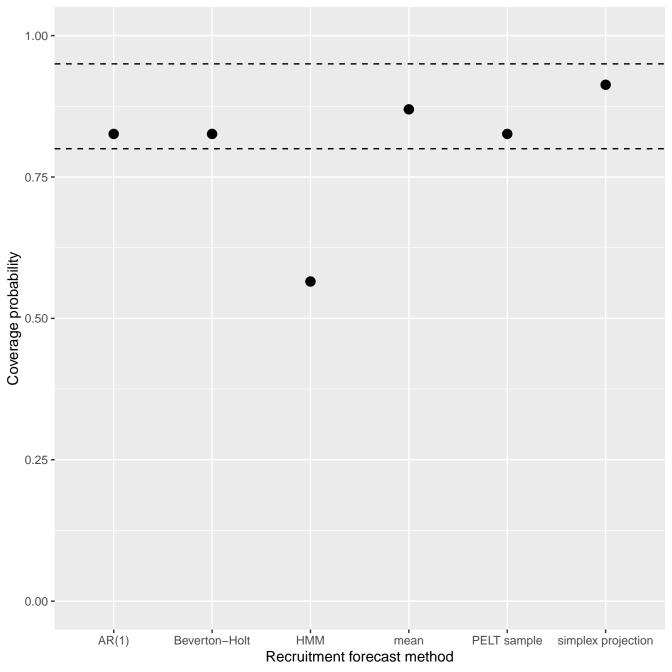
1980

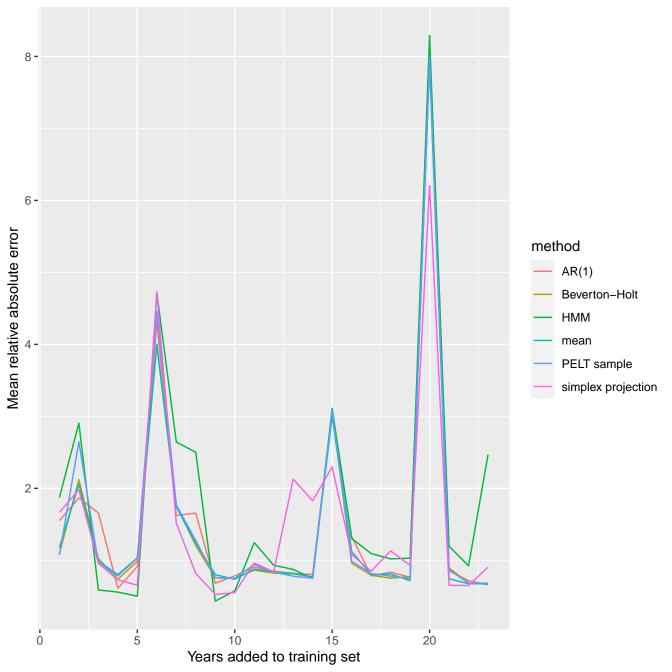
1990

2000

Year

2010





(a) Mean (b) AR(1) Recruitment Recruitment 10000 -10000 -5000 -5000 -0 -0 -1990 1990 2010 1980 2000 2010 1980 2000 Year Year (c) Beverton-Holt (d) Simplex projection Recruitment Recruitment 10000 -10000 -5000 -5000 -0 -0 -1980 1990 2000 2010 1980 1990 2010 2000 Year Year

5-step Forecasts

