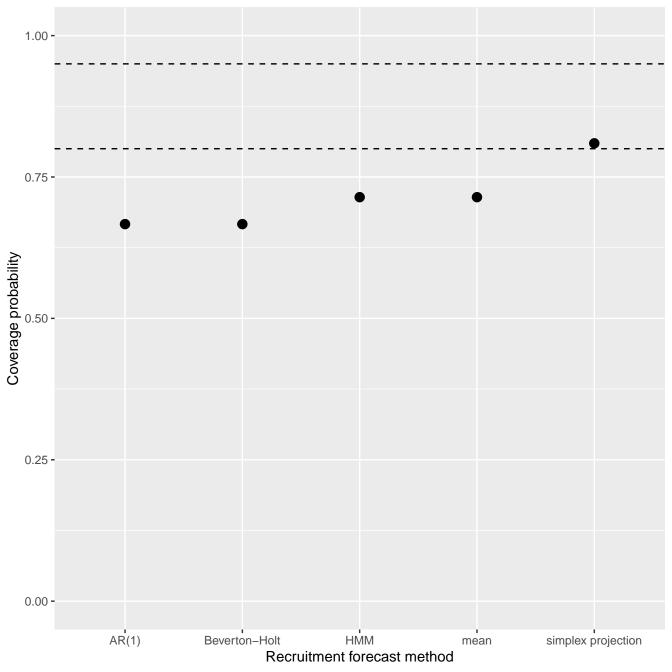
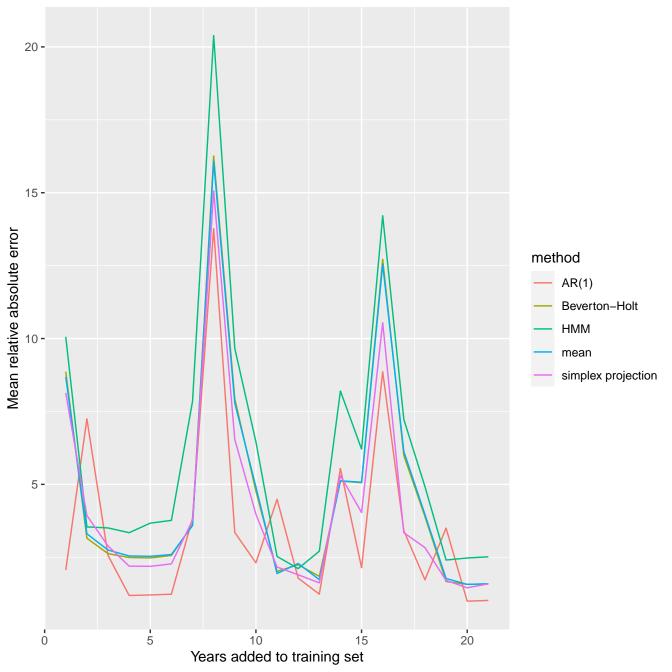
1-step Forecasts (a) Mean (b) AR(1) 2000 -1500 **-**Recruitment Recruitment 1500 -1000 -1000 500 -500 -1970 1980 2010 1970 1980 2000 2000 2010 1990 1990 Year Year (c) Beverton-Holt (d) Simplex projection 2000 -1500 **-**Recruitment Recruitment 1500 -1000 1000 500 -500 -1970 1980 2000 2010 1970 1980 1990 2000 2010 1990 Year Year (e) HMM 1500 -Recruitment 1000 -500 -1970 1980 1990 2000 2010 Year





(a) Mean (b) AR(1) 1600 -1500 -Recruitment Recruitment 1200 -1000 800 500 -400 -1970 2000 2010 2000 1980 1970 1980 2010 1990 1990 Year Year (c) Beverton-Holt (d) Simplex projection

5-step Forecasts

