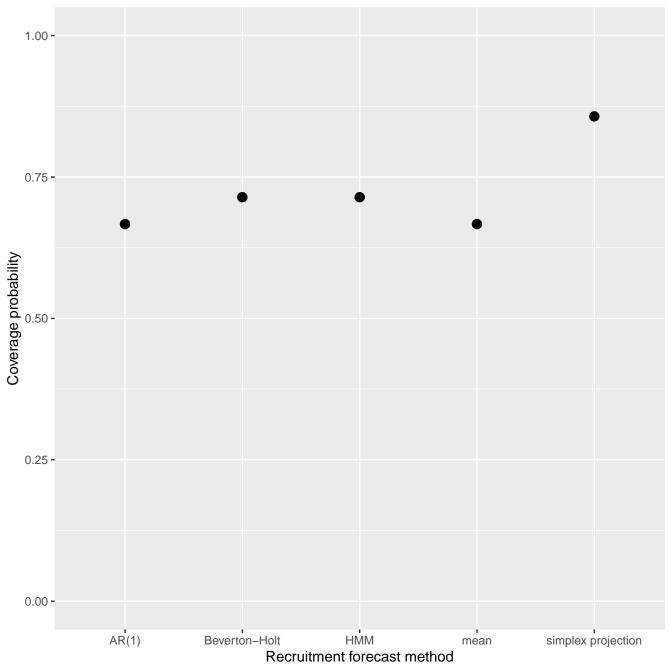
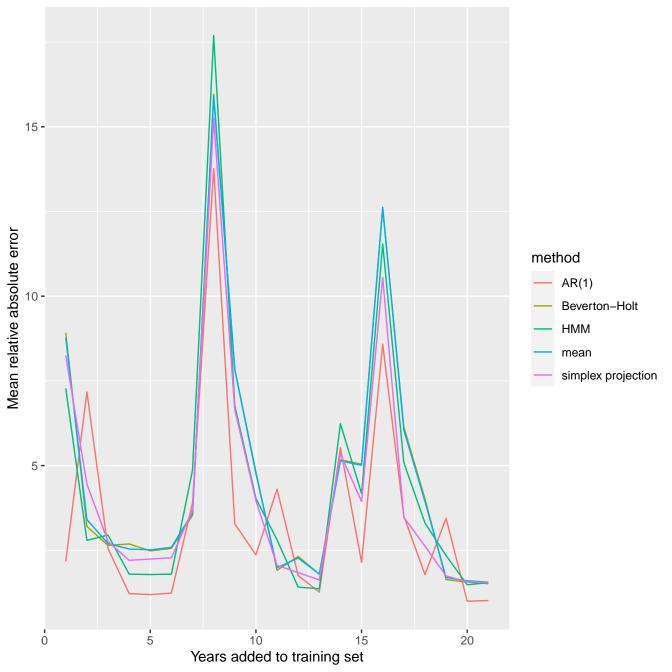
1-step Forecasts (a) Mean (b) AR(1) 2000 -1500 **-**Recruitment Recruitment 1500 -1000 -1000 -500 -500 -1970 1980 2010 1970 1980 2000 2010 1990 2000 1990 Year Year (c) Beverton-Holt (d) Simplex projection 2000 -1500 -Recruitment Recruitment 1500 -1000 -1000 -500 -500 -1970 1980 2000 2010 1970 1980 2000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





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

