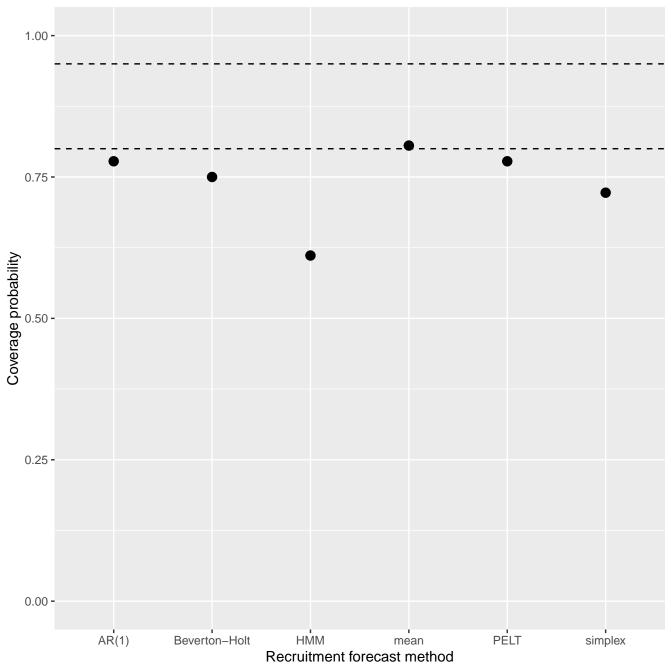
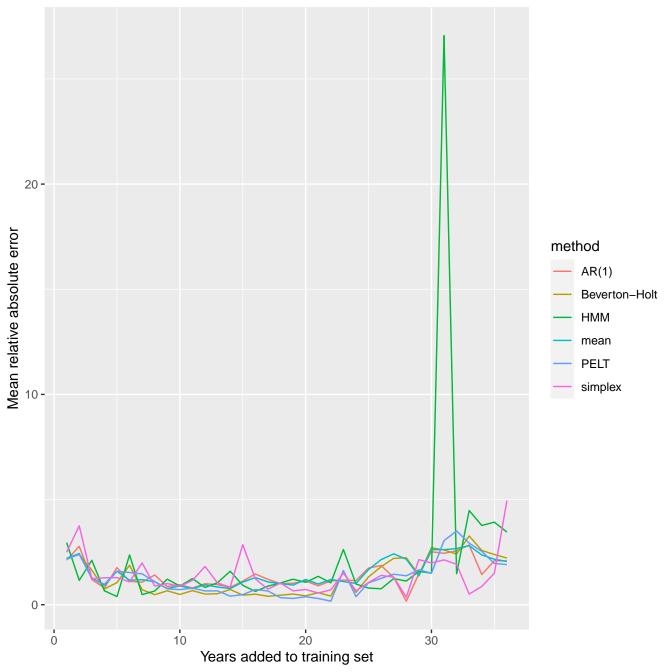
1-step Forecasts (a) mean (b) AR(1) 3000 -3000 -Recruitment Recruitment 2000 -2000 -1000 -1000 -0 -0 -1980 2000 1980 2000 1960 1960 Year Year (c) Beverton-Holt (d) simplex 3000 -Recruitment Recruitment 4000 -2000 -2000 -1000 -0 -0 -1980 2000 1980 2000 1960 1960 Year Year (e) HMM (f) PELT 4000 -30000 -Recruitment Recruitment 3000 -20000 -2000 -10000 -1000 -0 -1980 2000 1980 2000 1960 1960 Year Year





(a) mean (b) AR(1) 3000 -2500 -2000 -Recruitment Recruitment 2000 -1500 -1000 -1000 -500 0 -0 2000 1980 2000 1980 1960 1960 Year Year (c) Beverton-Holt (d) simplex

5-step Forecasts

