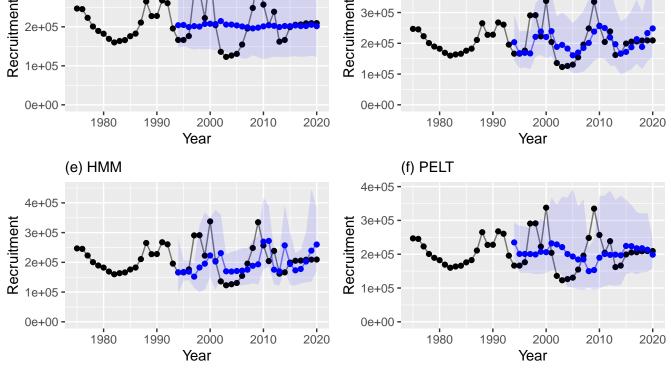
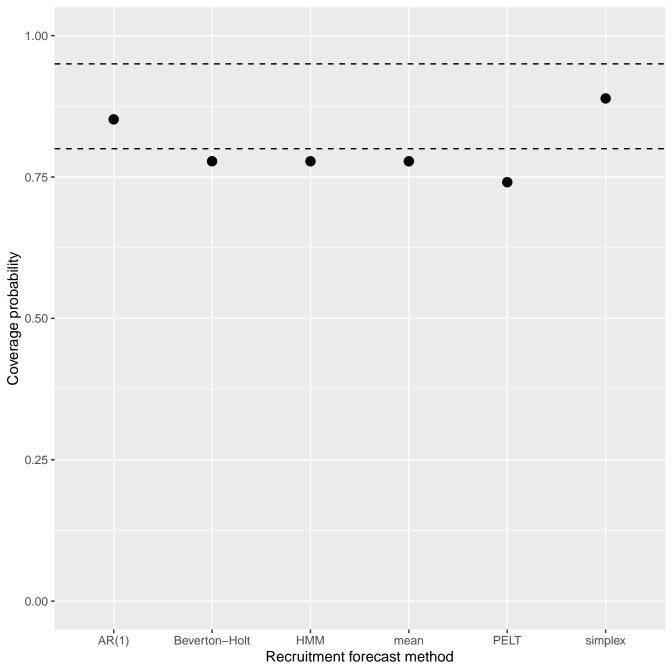
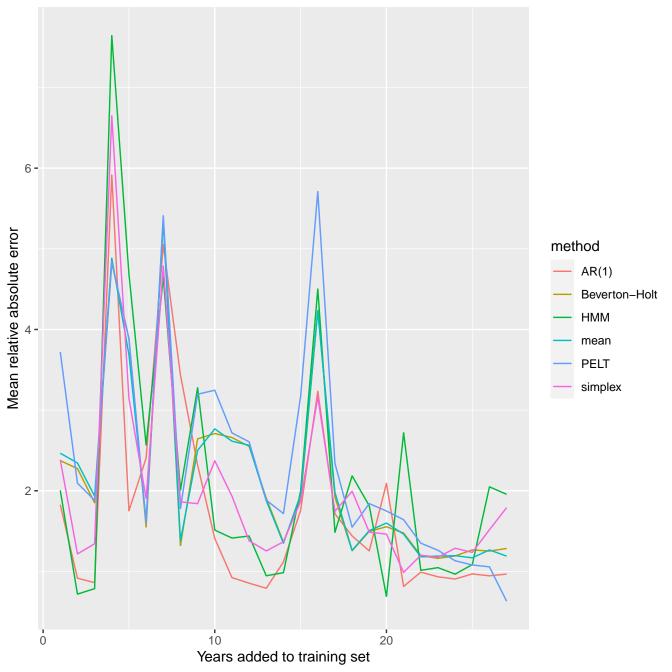
(a) mean (b) AR(1) 4e+05 -3e+05 -3e+05 -2e+05 -1e+05 -Recruitment 2e+05 -1e+05 **-**0e+00 -0e+00 -2010 2020 1990 2010 1990 2000 2000 2020 1980 1980 Year Year (c) Beverton-Holt (d) simplex 4e+05 -3e+05 -3e+05 -2e+05 -1e+05 -**Recruitment** 2e+05 -1e+05 -0e+00 -0e+00 -

1-step Forecasts







(a) mean (b) AR(1) 3e+05 -3e+05 -Recruitment Recruitment 2e+05 2e+05 -1e+05 **-**1e+05 -0e+00 -0e+00 -2010 2020 2010 1990 2000 1990 2000 2020 1980 1980 Year Year (c) Beverton-Holt (d) simplex 4e+05 -3e+05 -3e+05 -2e+05 -1e+05 -Recruitment 2e+05 -1e+05 -

5-step Forecasts

