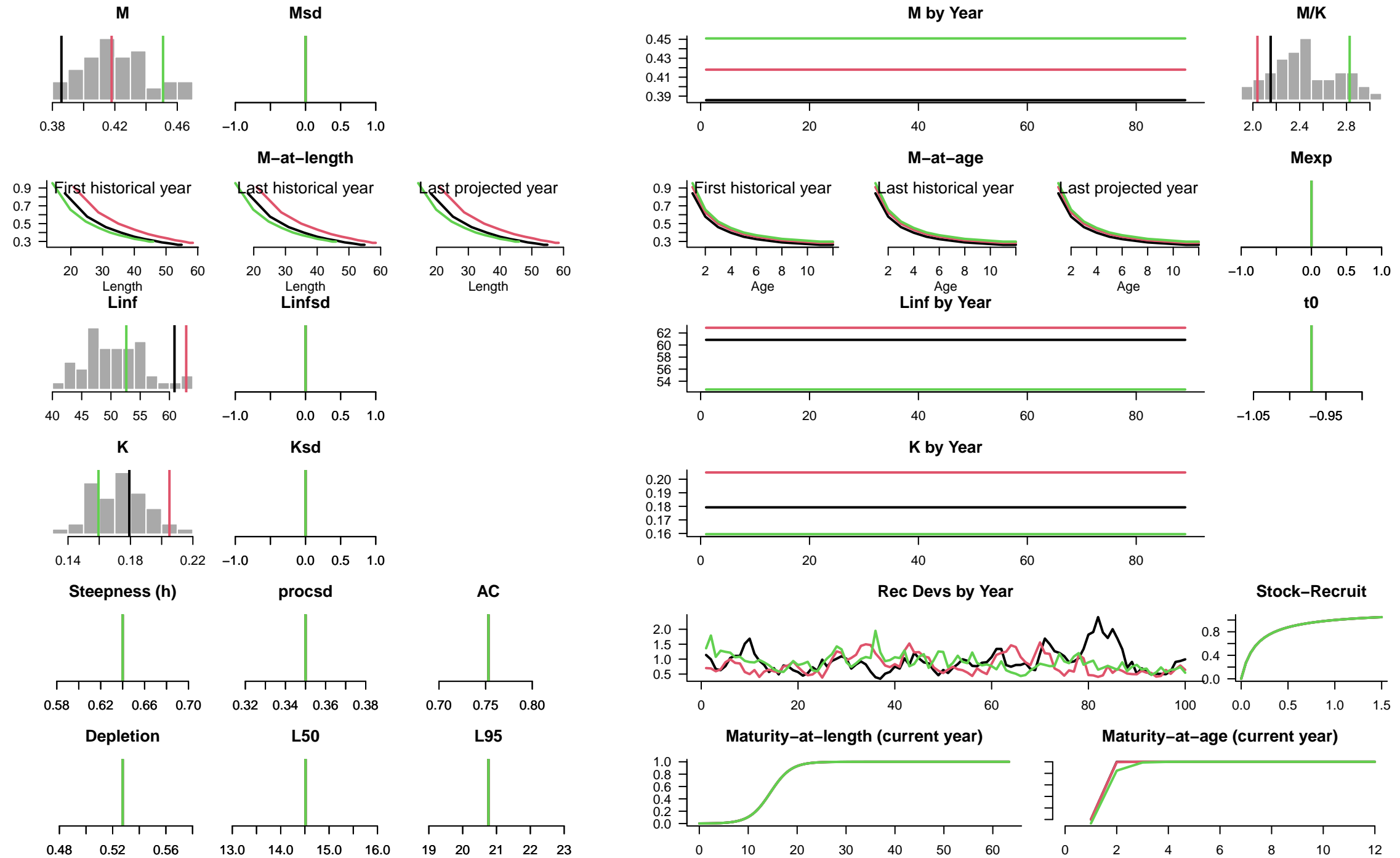


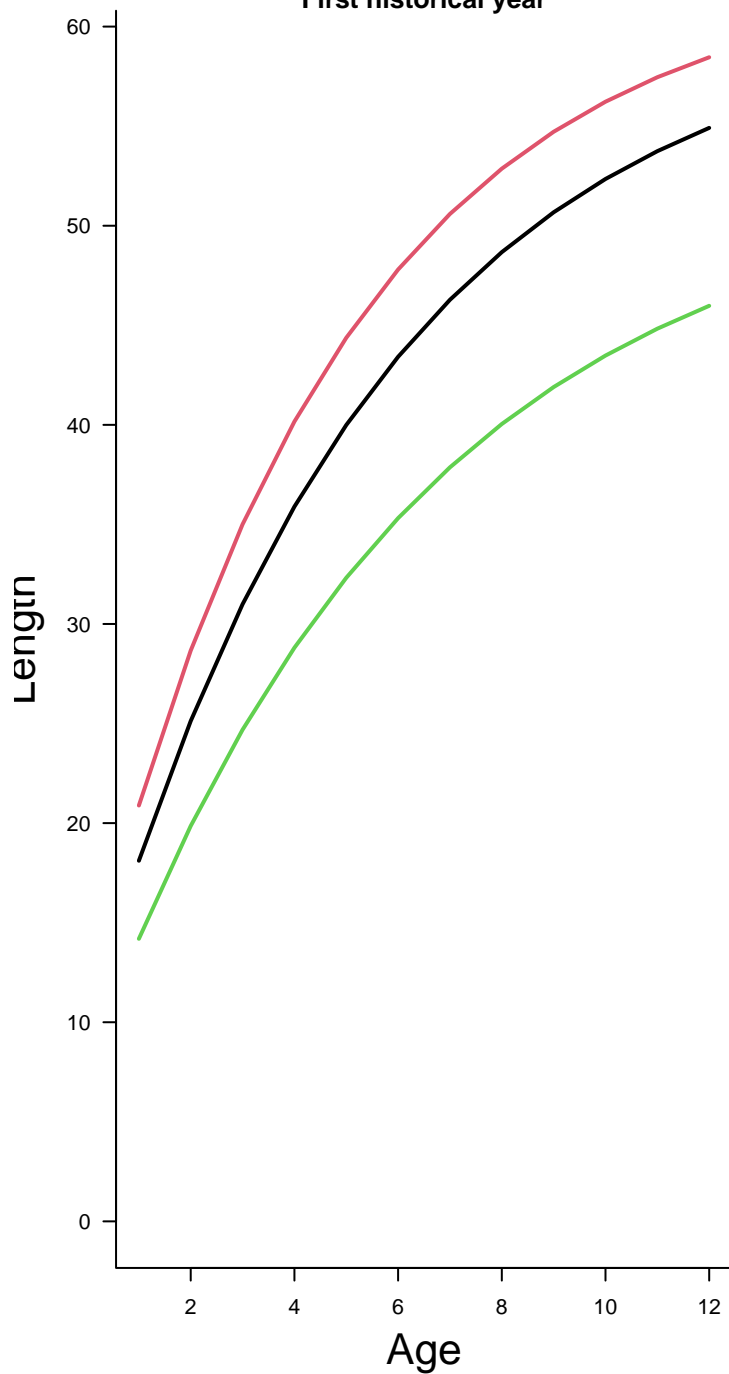
# BlackSeaBass

nyears = 39 proyears = 50 3 sampled iterations

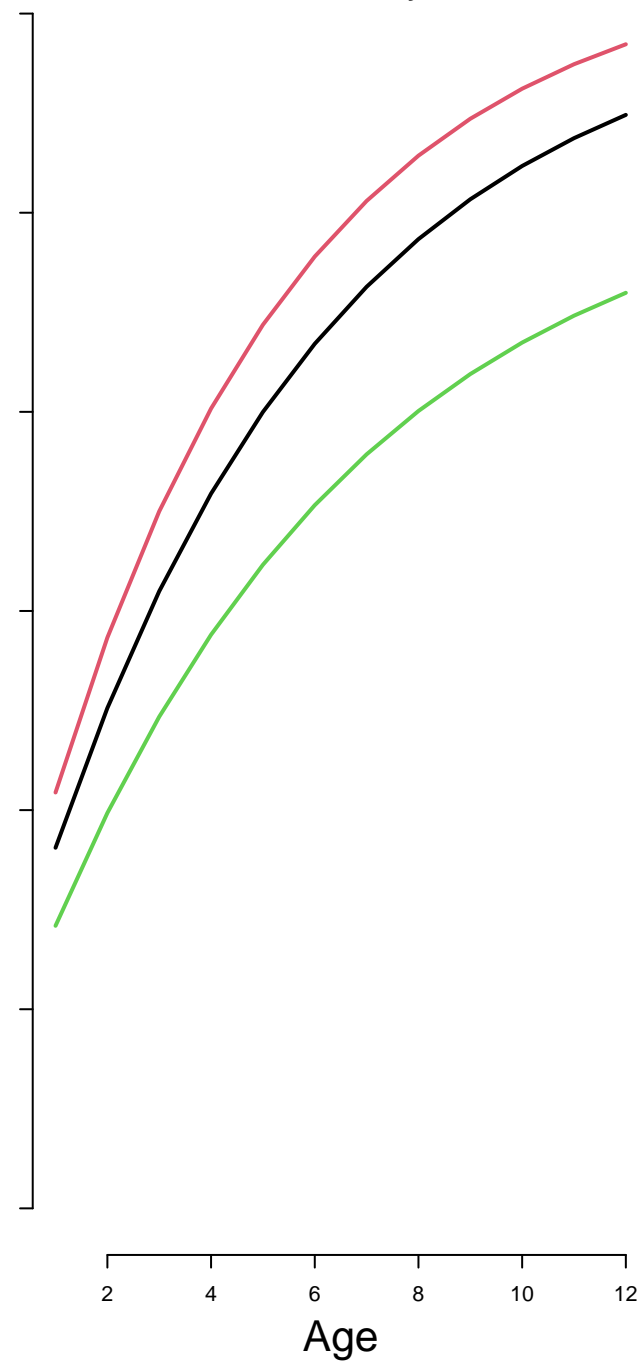


# Sampled length-at-age curves

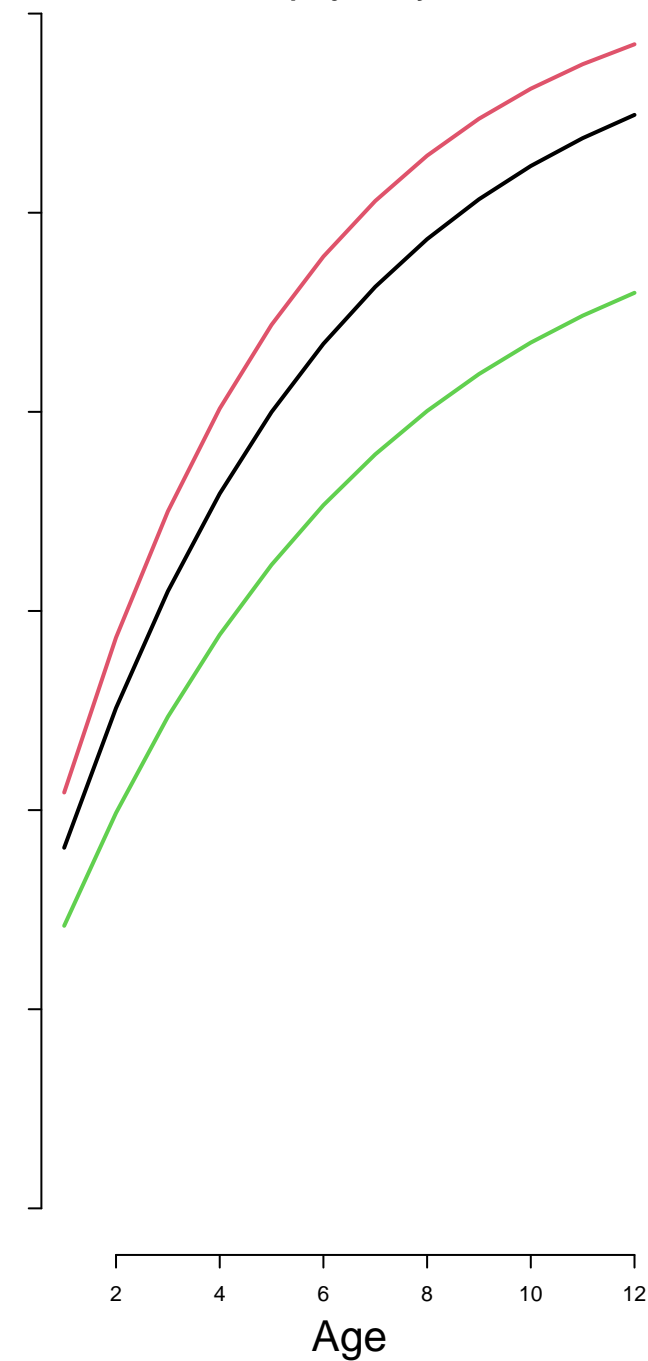
First historical year



Last historical year

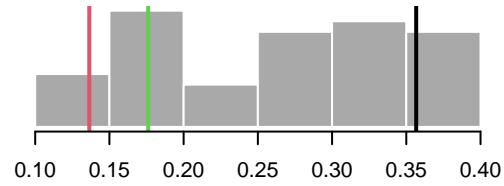


Last projected year

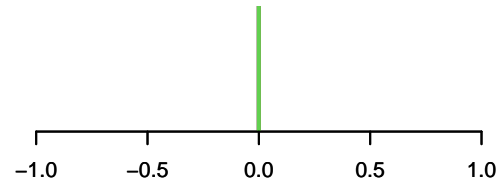


Fleet: BlackSeaBass Stock: BlackSeaBass  
nyears = 39 proyears = 50 3 sampled iterations

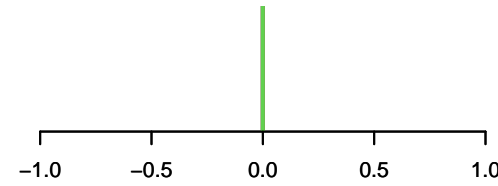
Esd



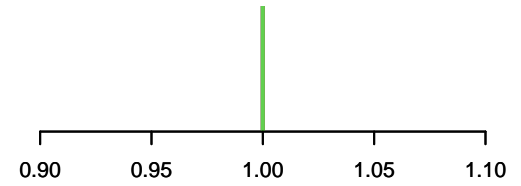
qinc



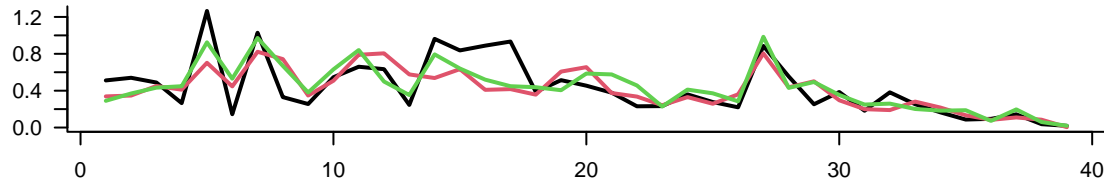
qcv



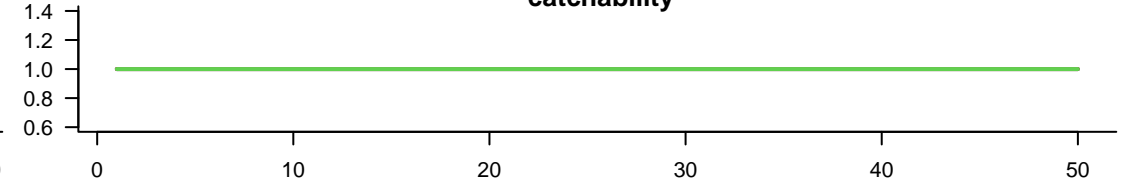
Spat\_targ



Fishing effort (historical)

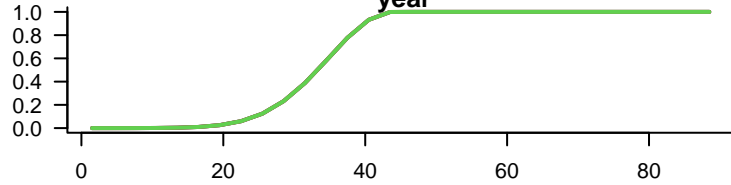


Change in future catchability

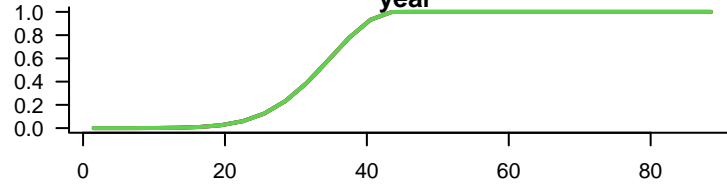


Selectivity-at-length

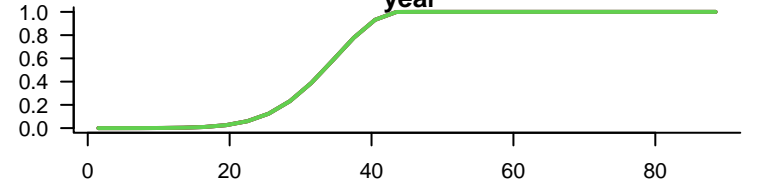
First historical year



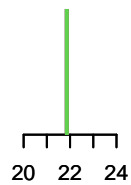
Last historical year



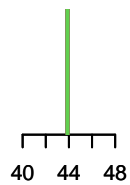
Last projected year



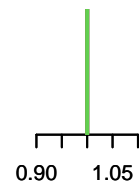
L5



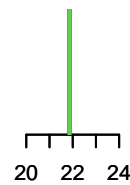
LFS



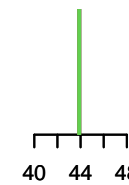
Vmaxlen



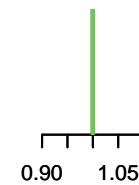
L5



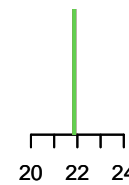
LFS



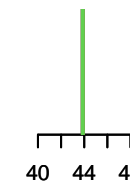
Vmaxlen



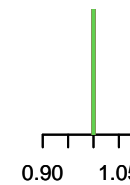
L5



LFS

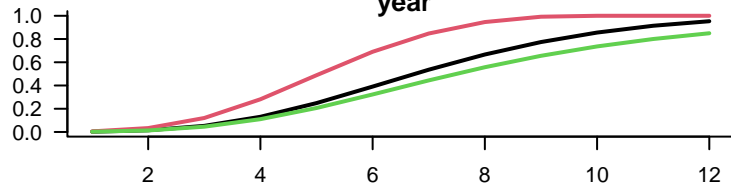


Vmaxlen

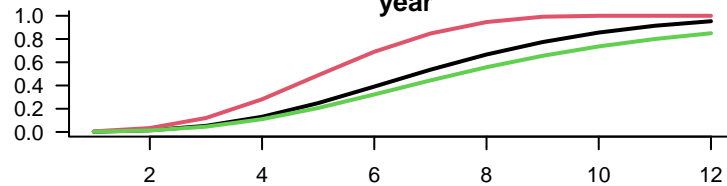


Selectivity-at-age

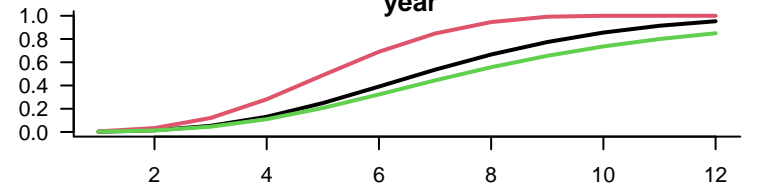
First historical year



Last historical year

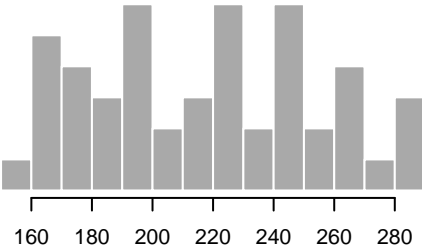


Last projected year

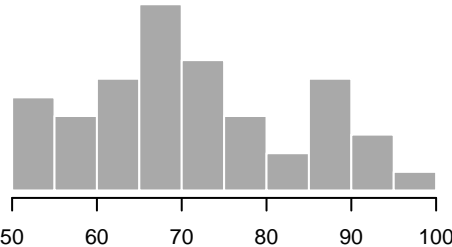


Observation biases and sample sizes for observation object BlackSeaBass

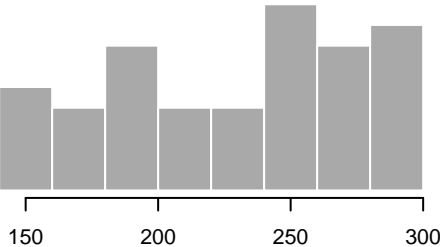
No. annual catch-at-age obs (CAA\_san



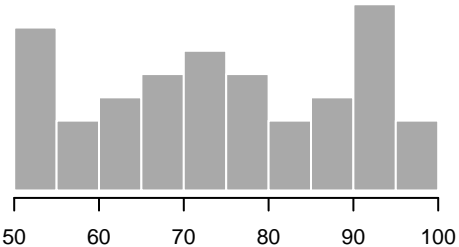
Effective sample size CAA obs (CAA\_Es



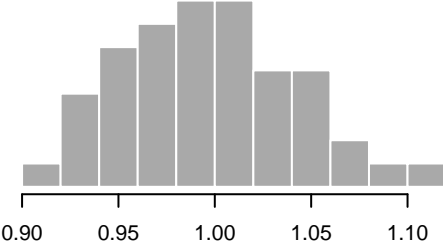
No. annual catch-at-length obs (CAL\_sa



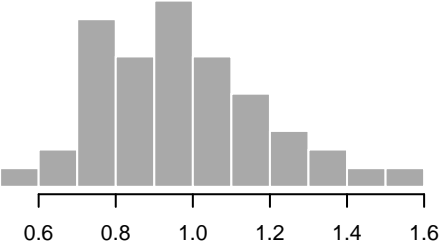
Effective sample size CAL obs (CAL\_ES



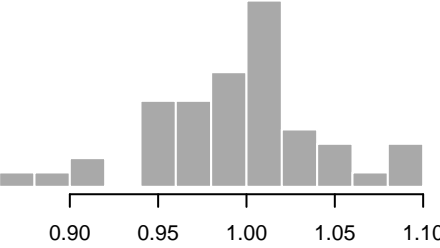
Natural mortality rate bias (Mbias)



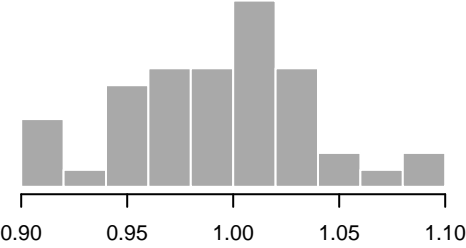
FMSY/M bias (FMSY\_Mbias)



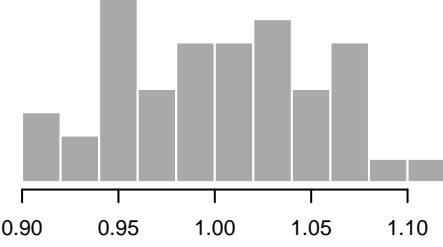
Bias in length at maturity (lenMbias)



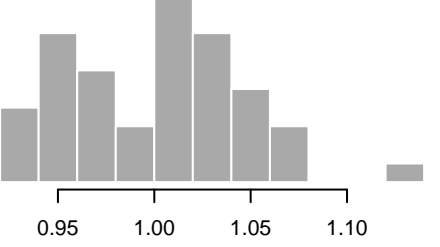
Bias in length at first capture (LFCbias)



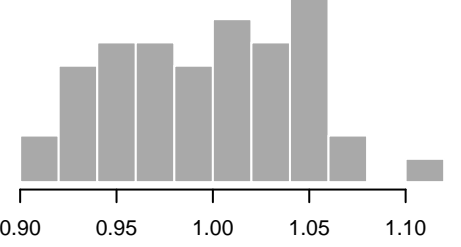
Bias in length at full selection (LFSbia



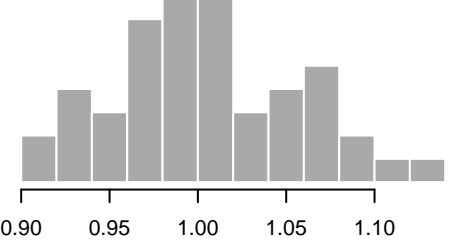
Bias in von B. K (Kbias)



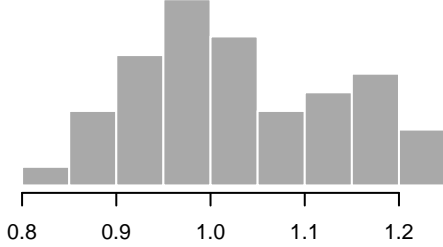
Bias in von B. t0 (t0bias)



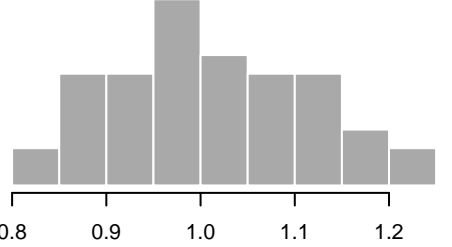
Bias in von B. Linf (Linfbias)



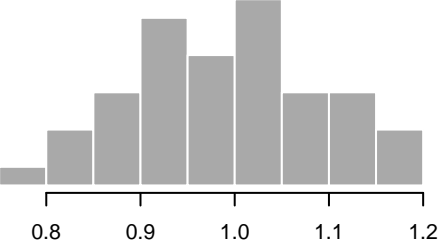
Bias in index at MSY (Irefbias)



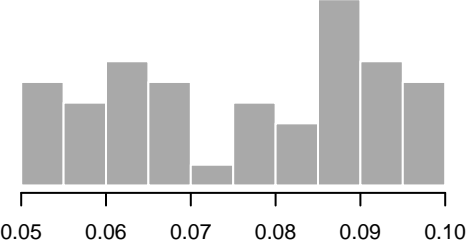
Bias in MSY catch (Crefbias)



Bias in MSY biomass (Brefbias)



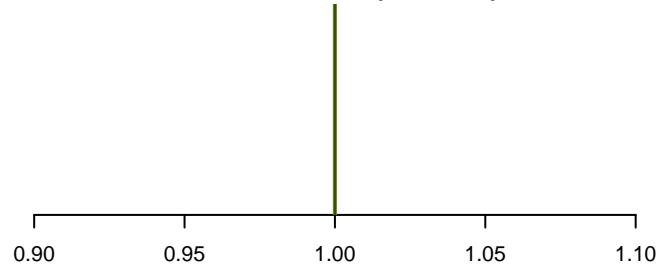
Bias in recent recruitment strength (Rec



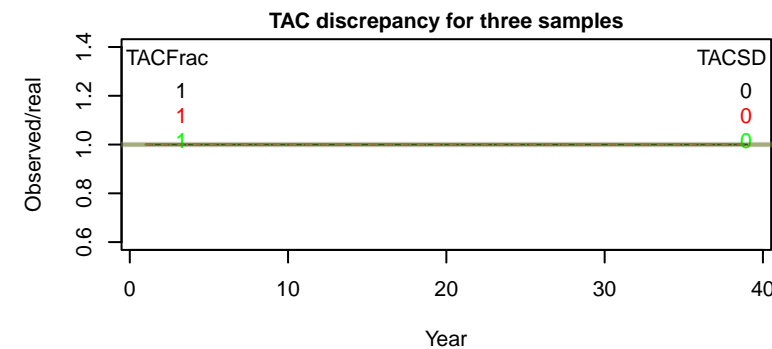
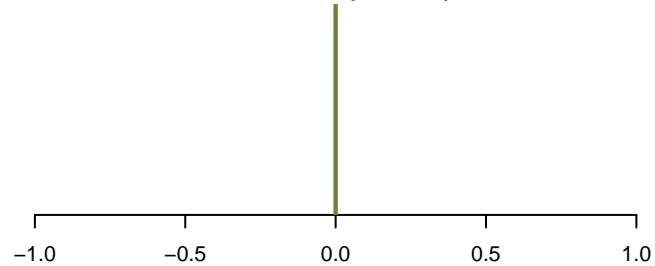


# Implementation error time series plots for implementation object Perfect\_Imp

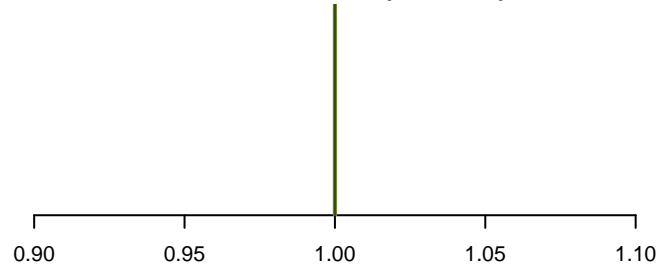
## Fraction of TAC (TACFrac)



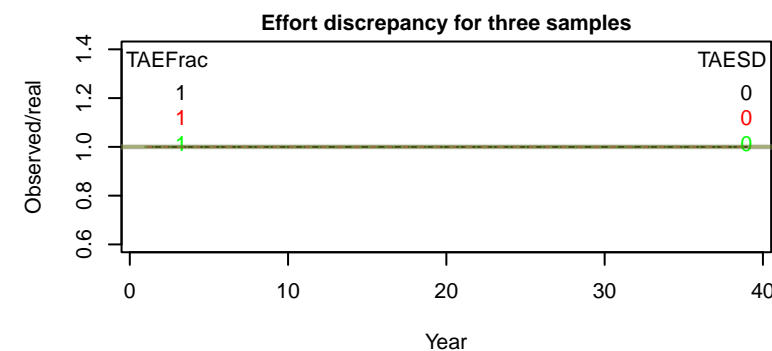
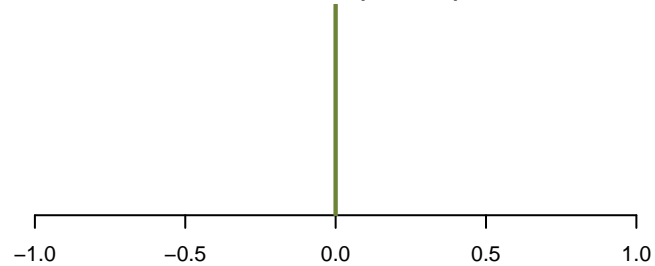
## TAC error (TACSD)



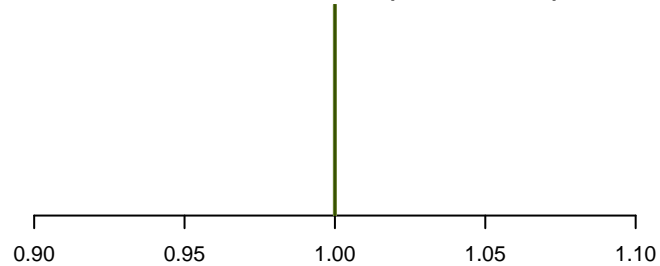
## Fraction of effort (TAEFrac)



## Effort error (TAESD)



## Fraction of Size Limit (SizeLimFrac)



## Size Limit error (SizeLimSD)

