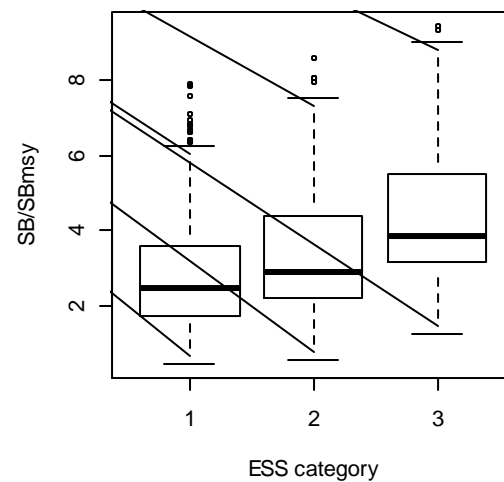
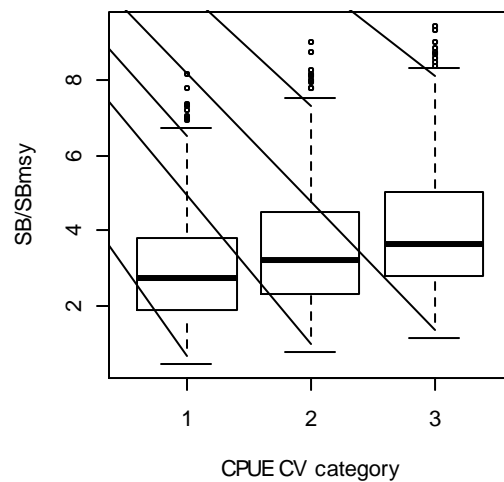
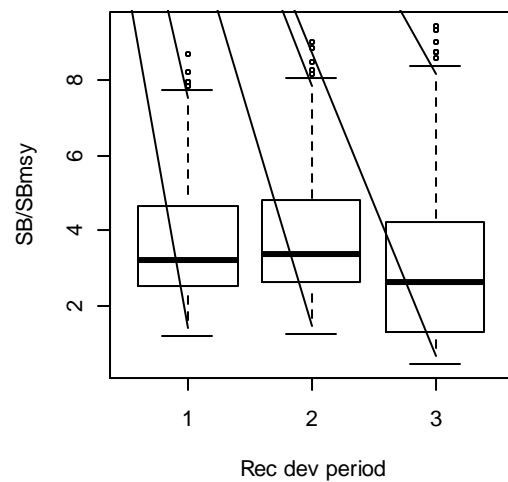
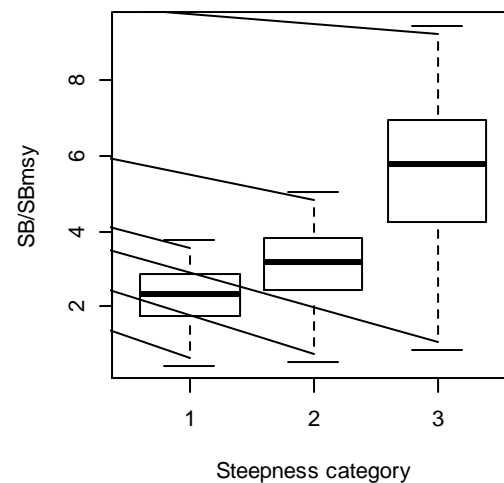
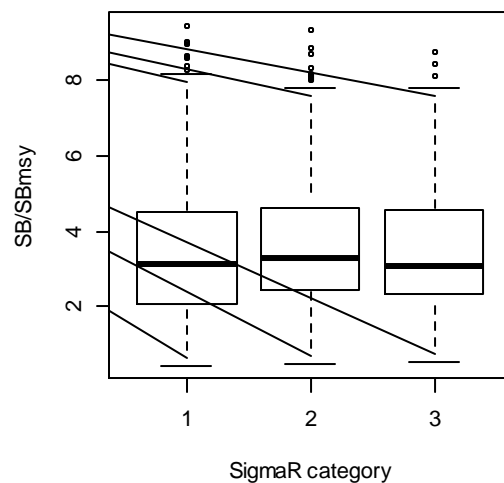
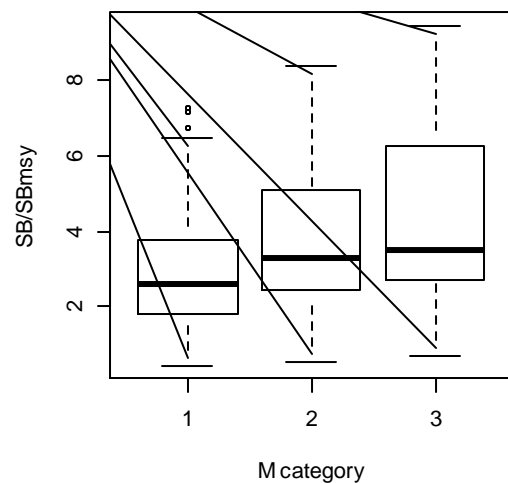
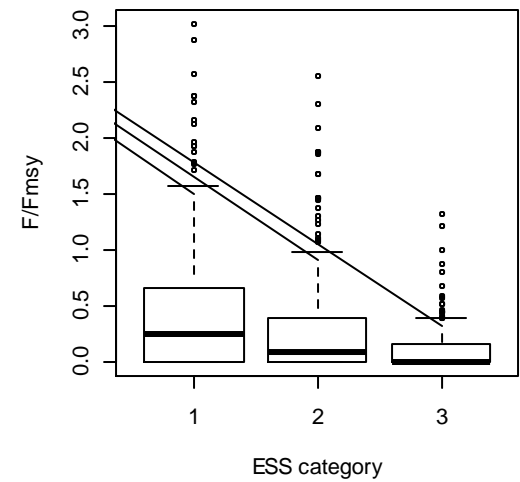
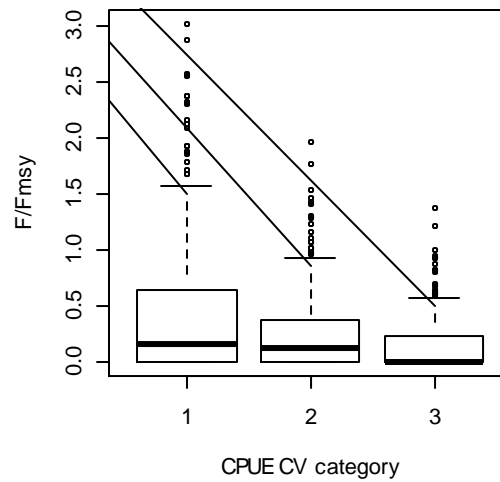
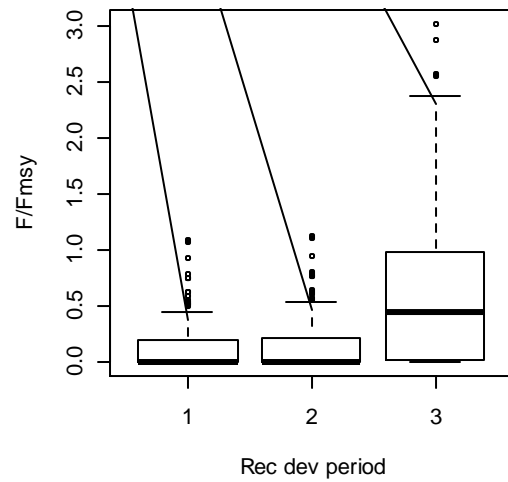
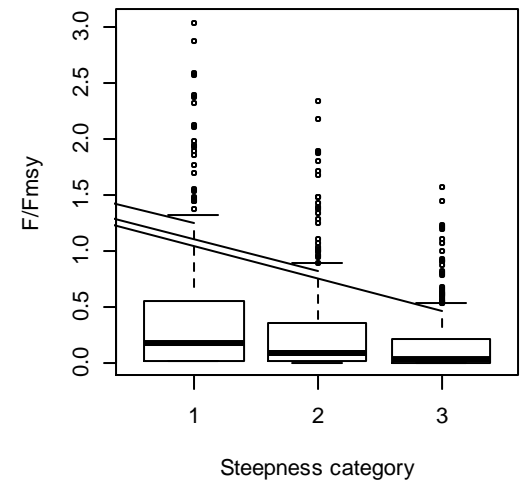
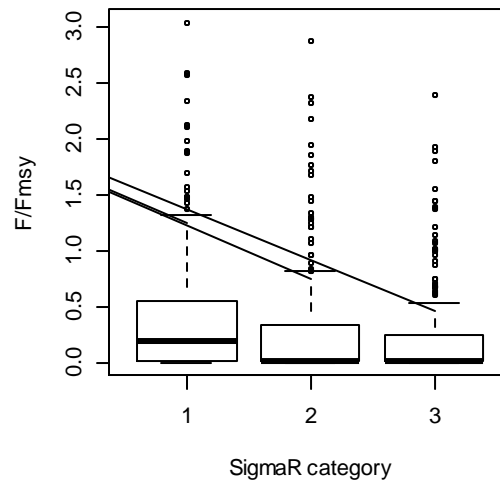
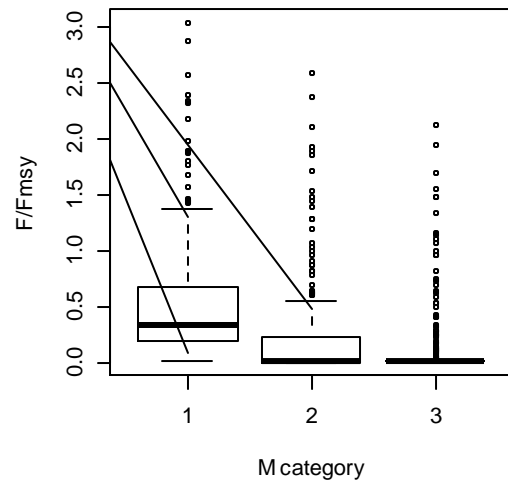
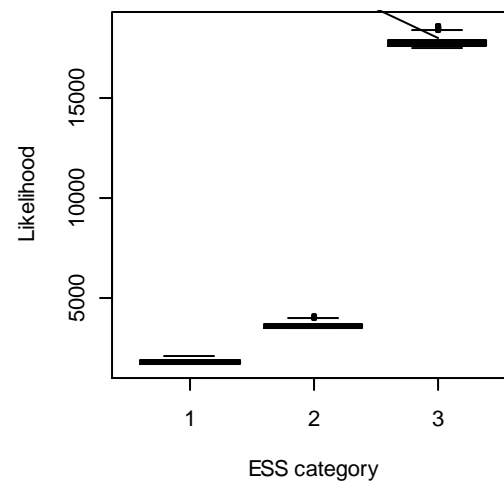
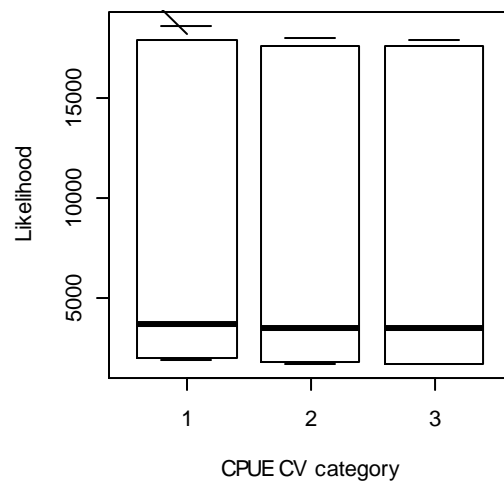
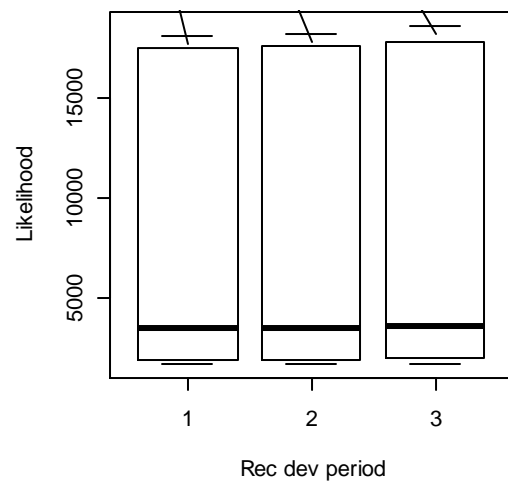
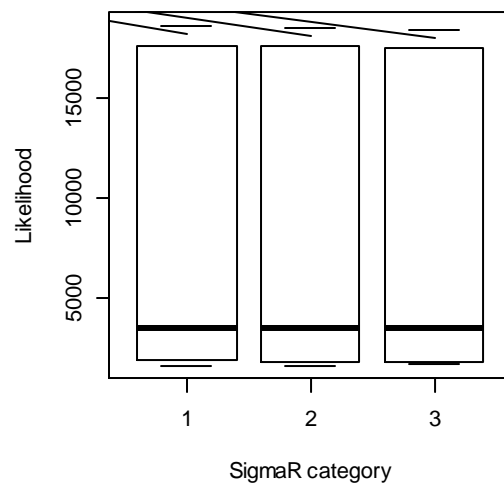
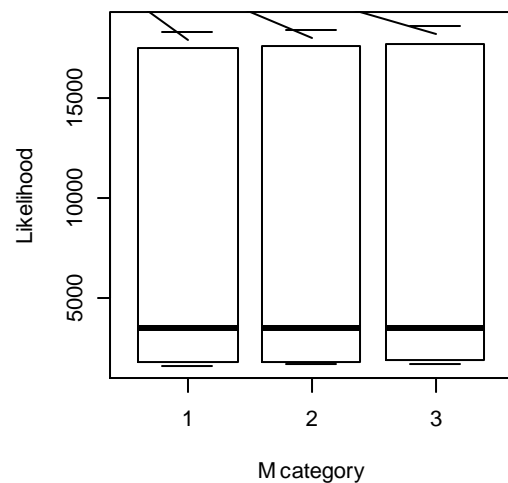


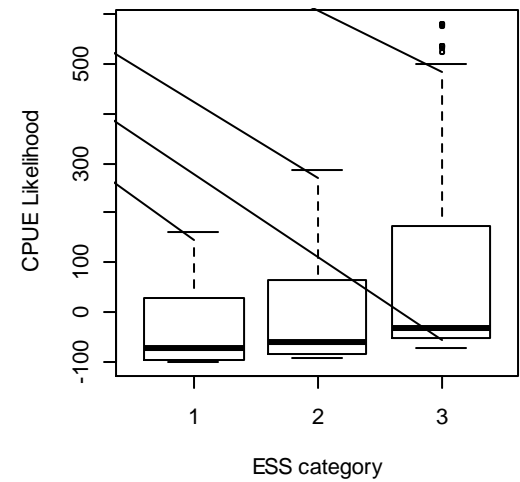
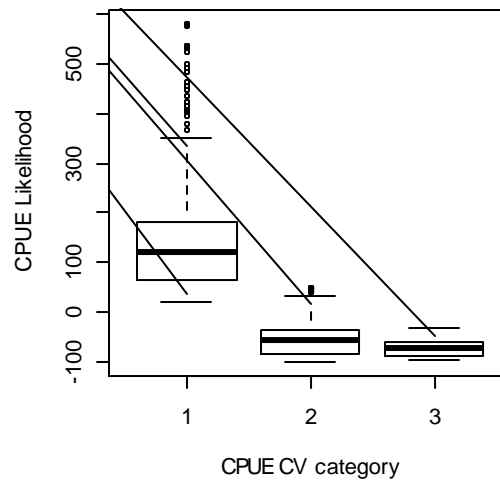
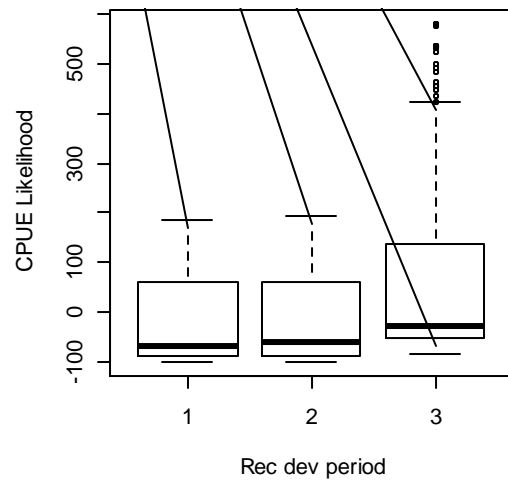
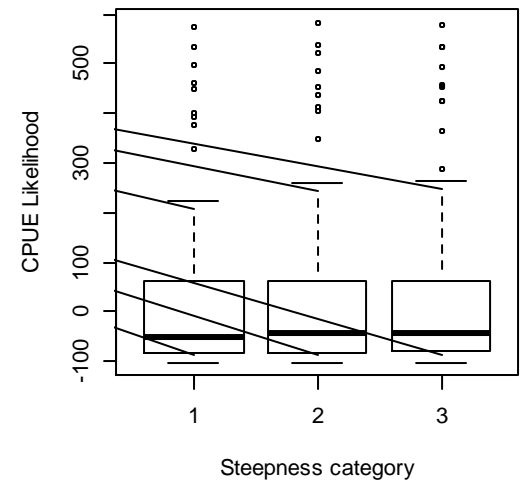
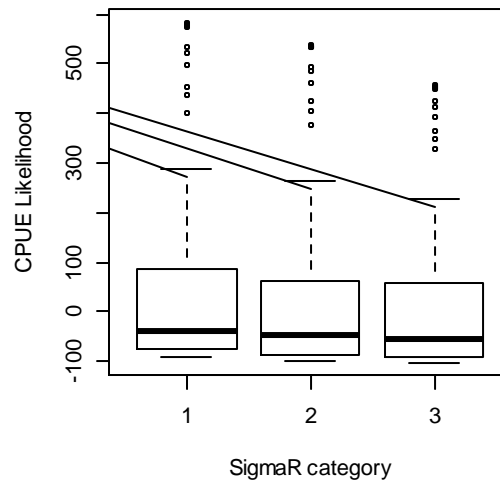
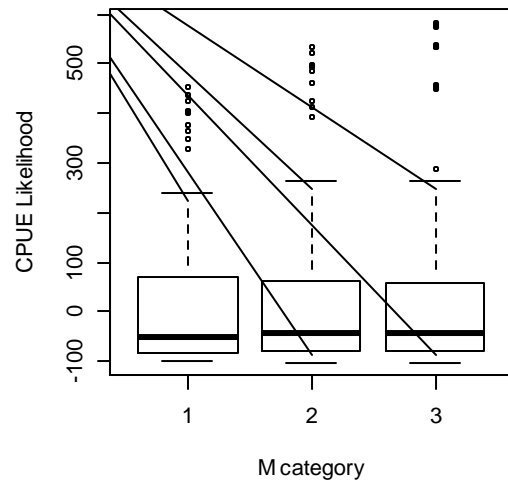
ALB SS3 Grid

- Natural mortality (0.2, 0.3, 0.4).
- Sigma R 0.2, 0.4, 0.6
- Steepness 0.65, 0.80, 0.95
- Rec Dev period 1960-2005, 1970-2005, 1980-2005
- CPUE CV 10%, 20%, 30%
- ESS 10, 20, 100
- $3^6 = 729$ runs.

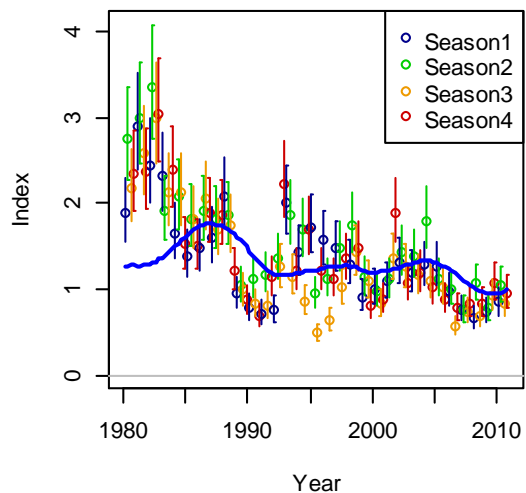




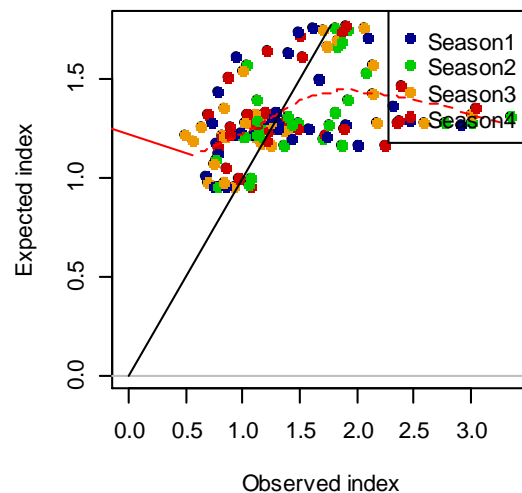




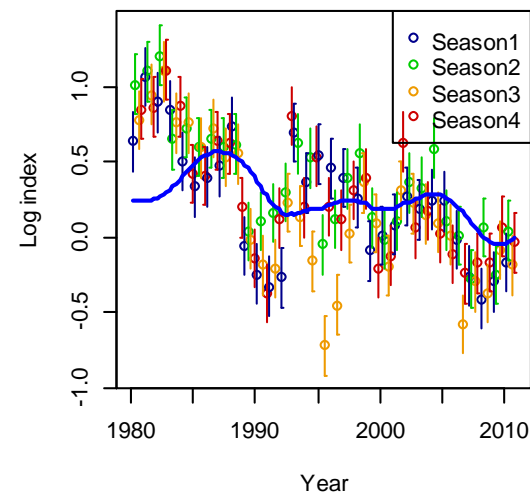
Index S2_TWN



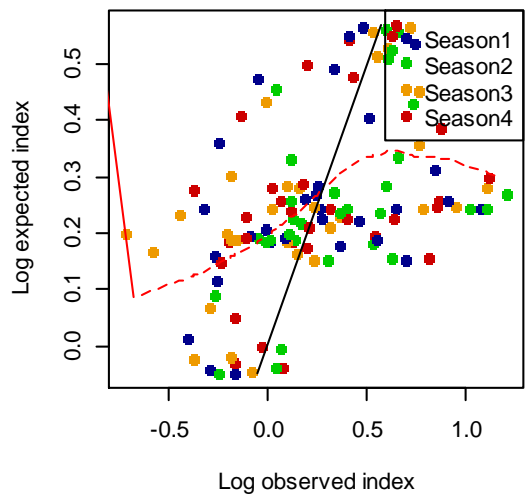
Index S2_TWN

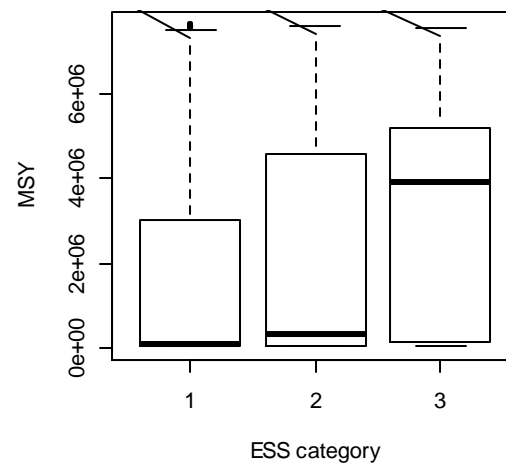
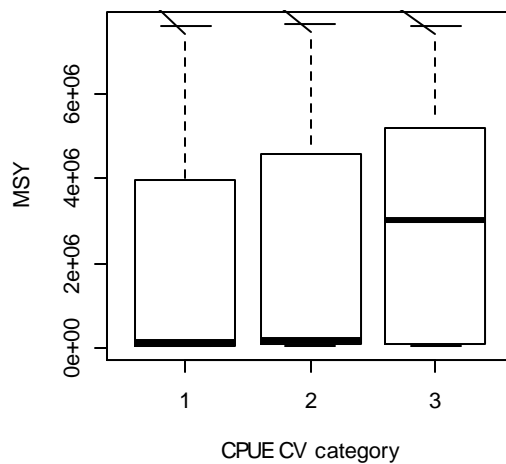
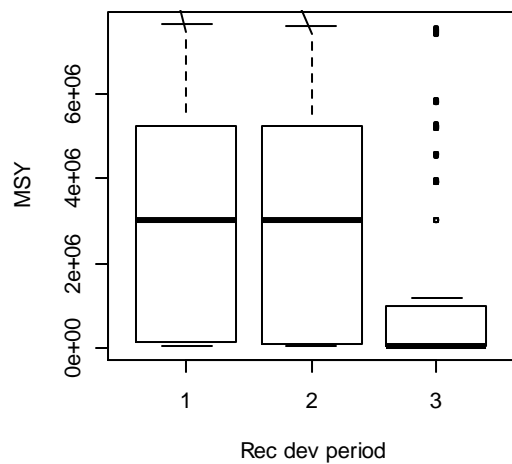
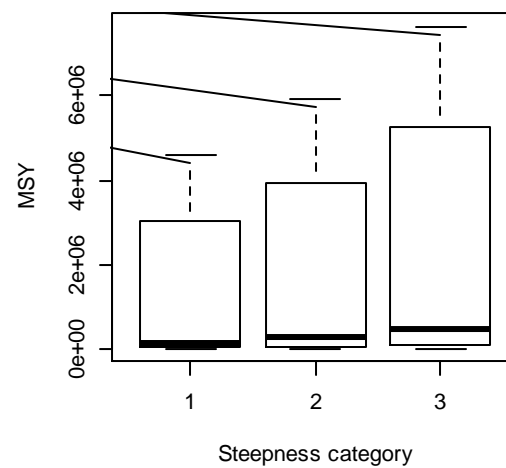
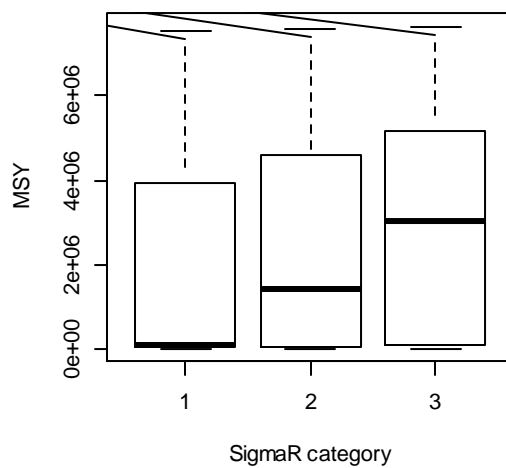
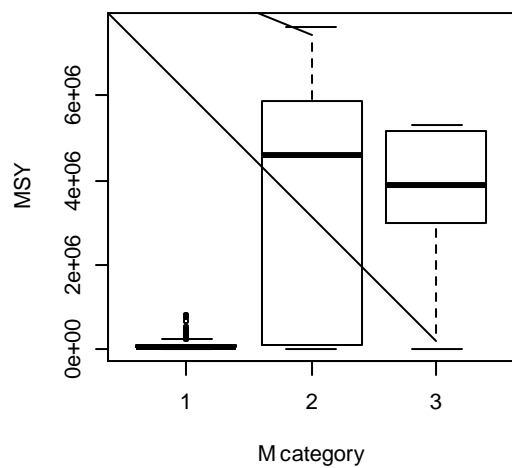


Log index S2_TWN

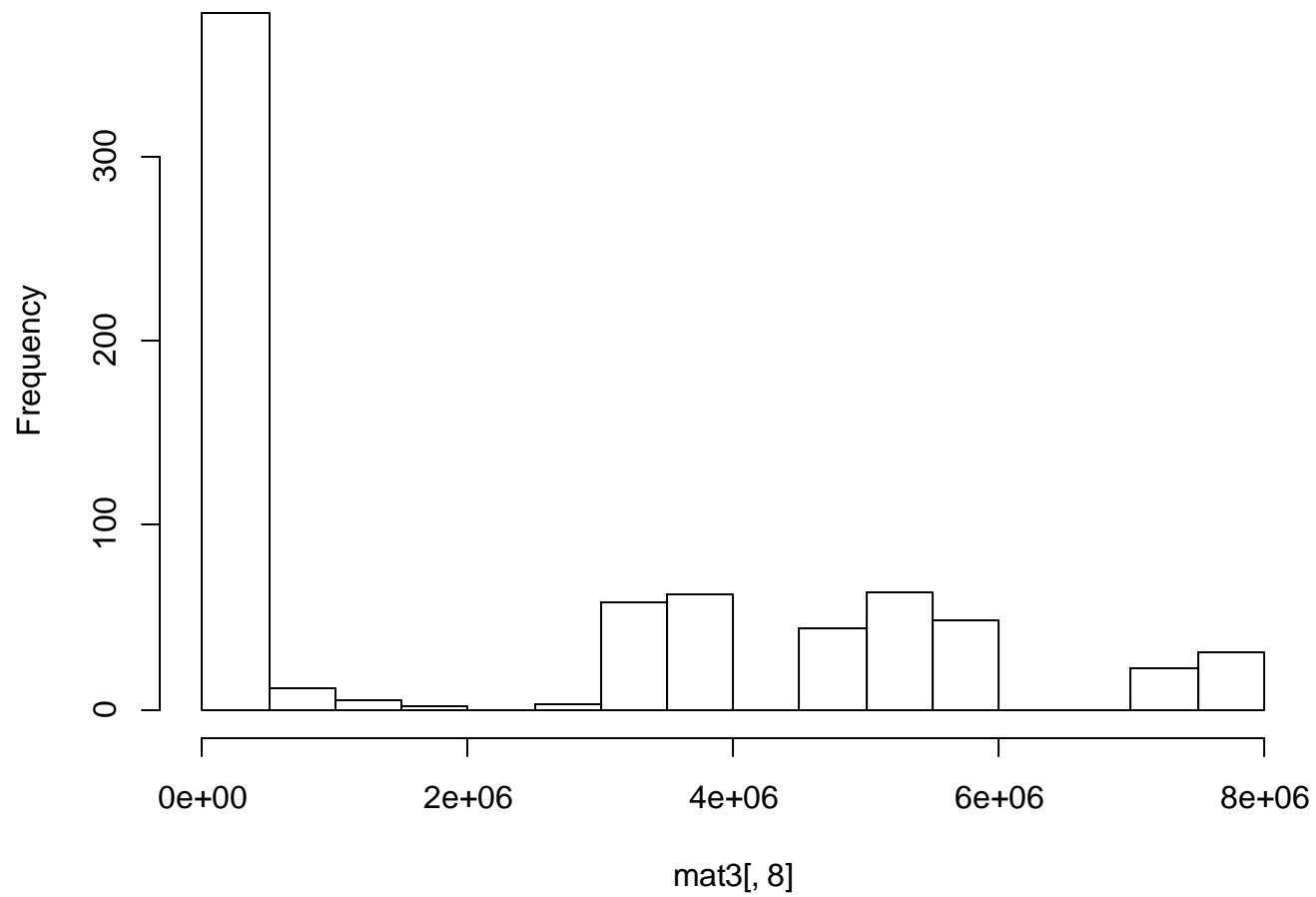


Log index S2_TWN





Histogram of mat3[, 8]

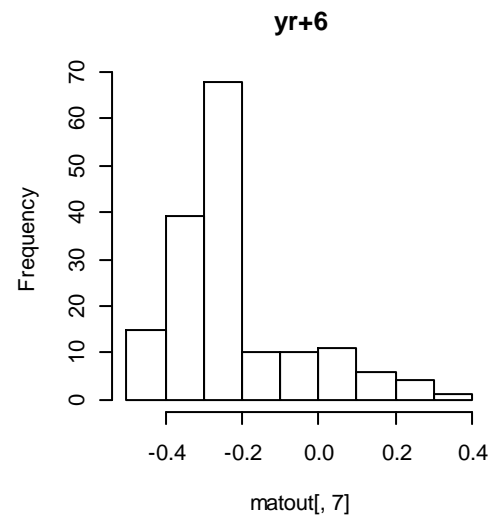
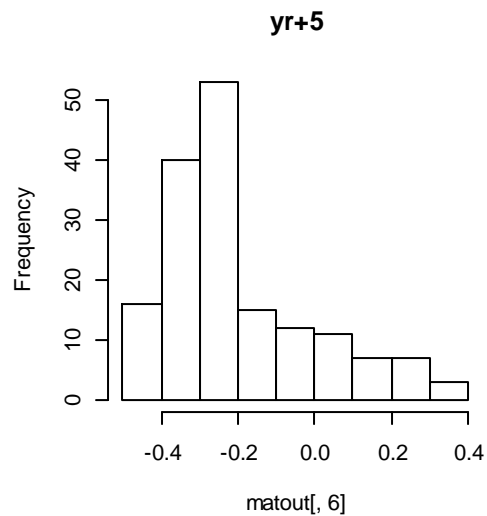
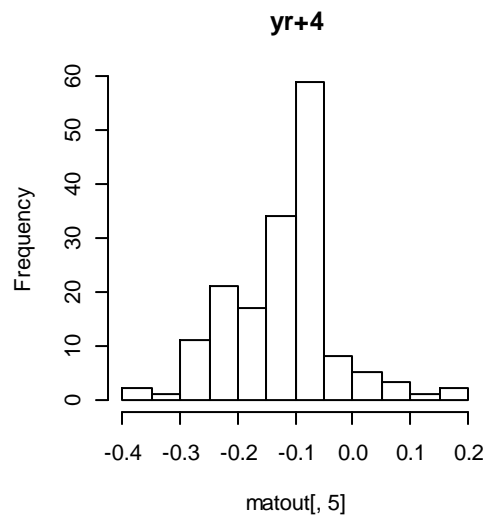
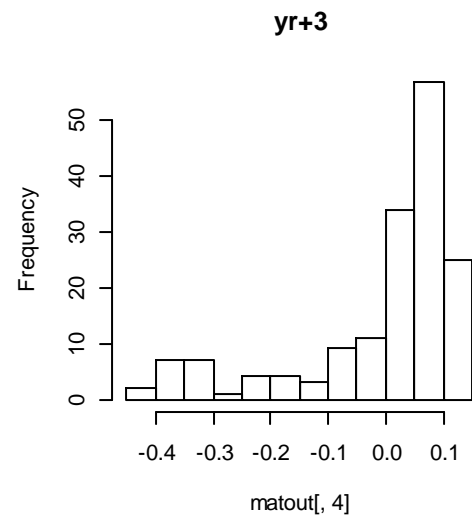
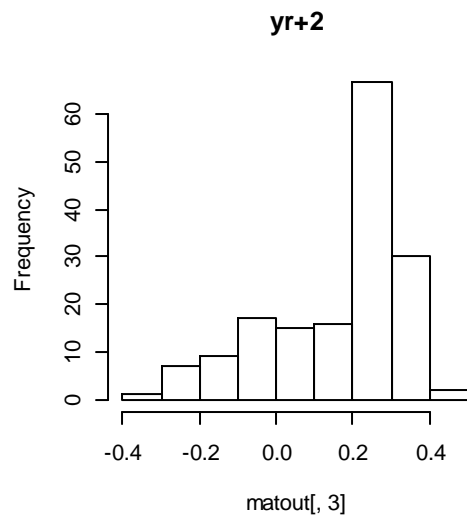
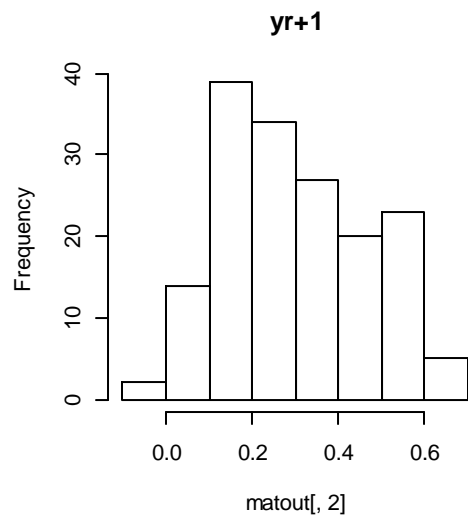


High (100+ kmt) MSY scenarios

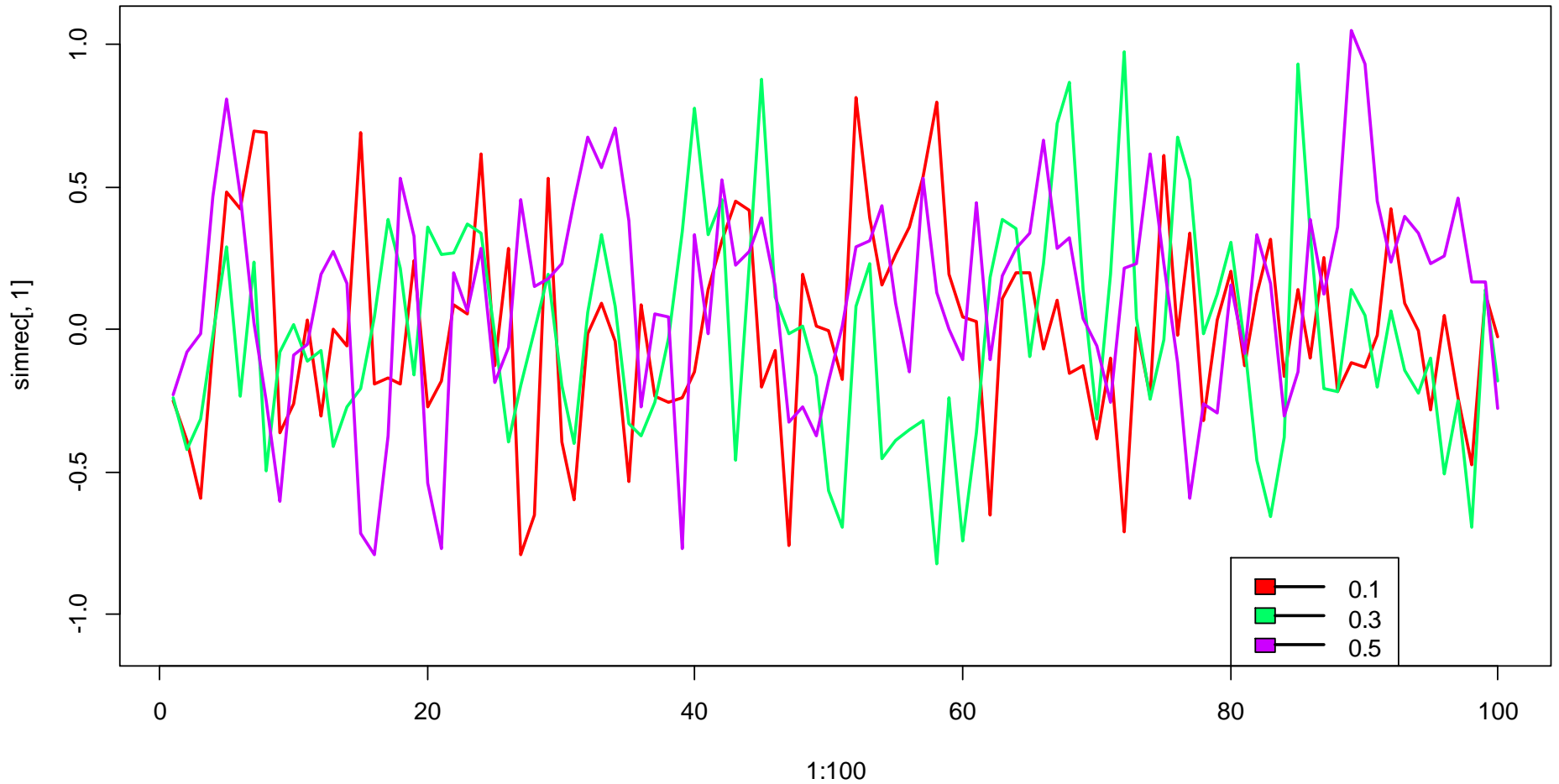
- Estimate early recruitment devs (pre 1980) [*long term decline in recruitment from high R_0 – signal in length data?*].

And/or

- High ESS for length data (100) and high CPUE CV [*size data is consistent with very low exploitation rate, deviates from CPUE trend*].
- Contraditictory? Nope
- Inconsistent patterns in JP and TW LL length data.
- Exclude those scenarios. Reduces candidates from 729 to 162.



```
simrec[i,j] <- coef * simrec[(i-1),j] + sqrt(1-coef^2) * rnorm(1, 0, stdev^2)
```



ALB Grid 2

- Natural mortality (0.2, 0.3, 0.4).
- Sigma R 0.2, 0.4, 0.6
- Steepness 0.65, 0.80, 0.95
- Rec Dev period 1980-2005
- CPUE CV 10%, 20%, 30%
- ESS 10, 20
- LL catchability, 0%, 1% per annum
- TW LL Selectivity double-normal, logistic
- 648 runs.

