

Finicky details

fish610.055 Fisheries and ecosystem models

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The weighting factors

$$SSE_Y + SSE_I$$

or weighted?

Logged data:

$$\lambda \sum_t (\ln(x_t) - \ln(\hat{x}_t))^2$$

where

$$\lambda = \frac{1}{V[\ln(x_t)]} = \frac{1}{\sigma_{\ln(x_t)}^2}$$

if possible...

Caveats

Typically too many unknowns!

Adding a production term

Smoothing

Add penalty terms?

$$\sum (F_{t+1} - F_t)^2$$

or

$$\sum (R_{t+1} - \hat{R}_t)^2$$

etc

A typical run

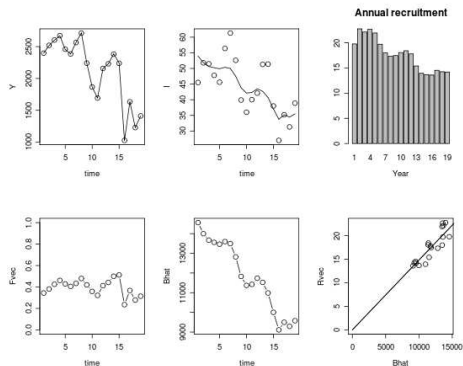


Figure : Example of a complete run