

# Simulated populations for evaluation of stock-recruit fitting

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## **Abstract**

Your abstract will be typeset here, and used by default a visually distinctive font. An abstract should explain to the general reader the major contributions of the article.

## **Introduction**

## **Operating models**

### **Initial population**

### **Stock-recruitment realationships**

### **Recruitment deviates**

### **Stock trajectories**

### **Observation error**

### **Grid of scenarios**

## **Simulated populations**

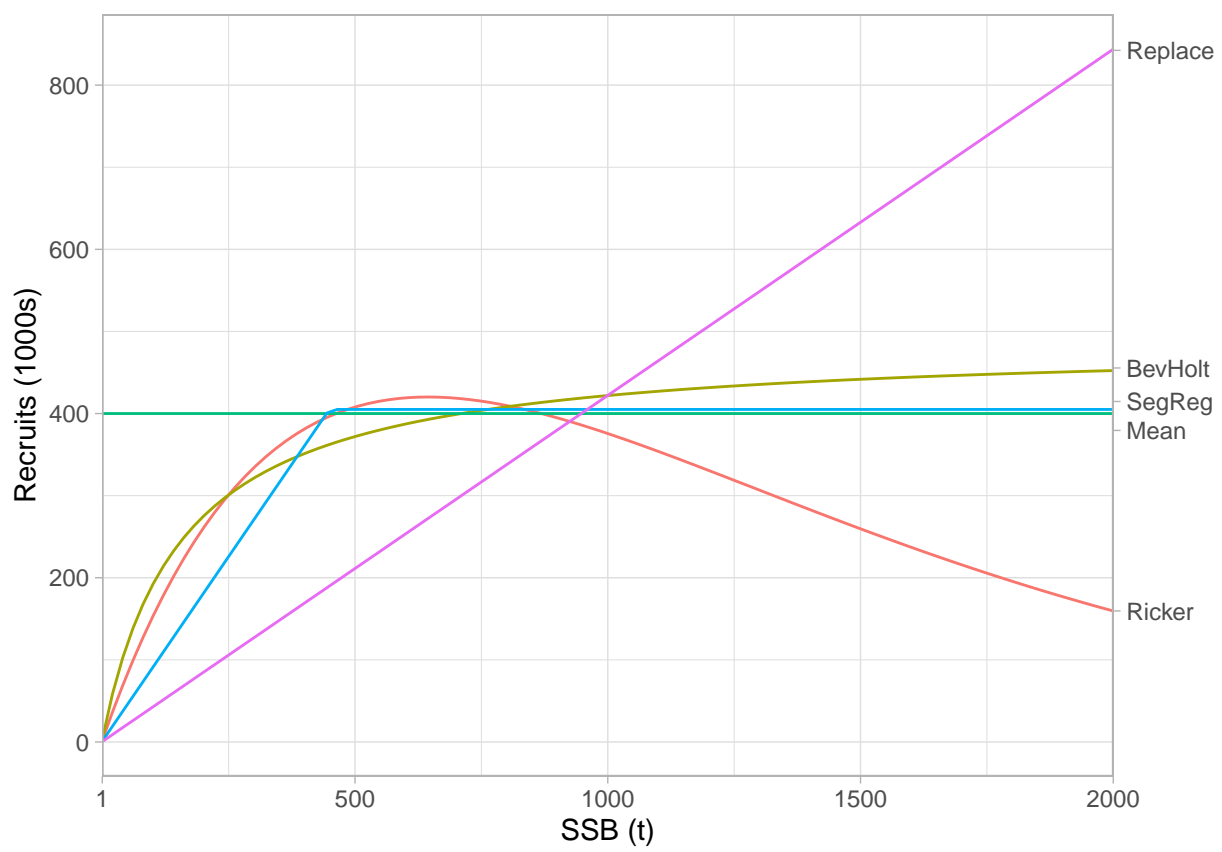


Figure 1: TRUE

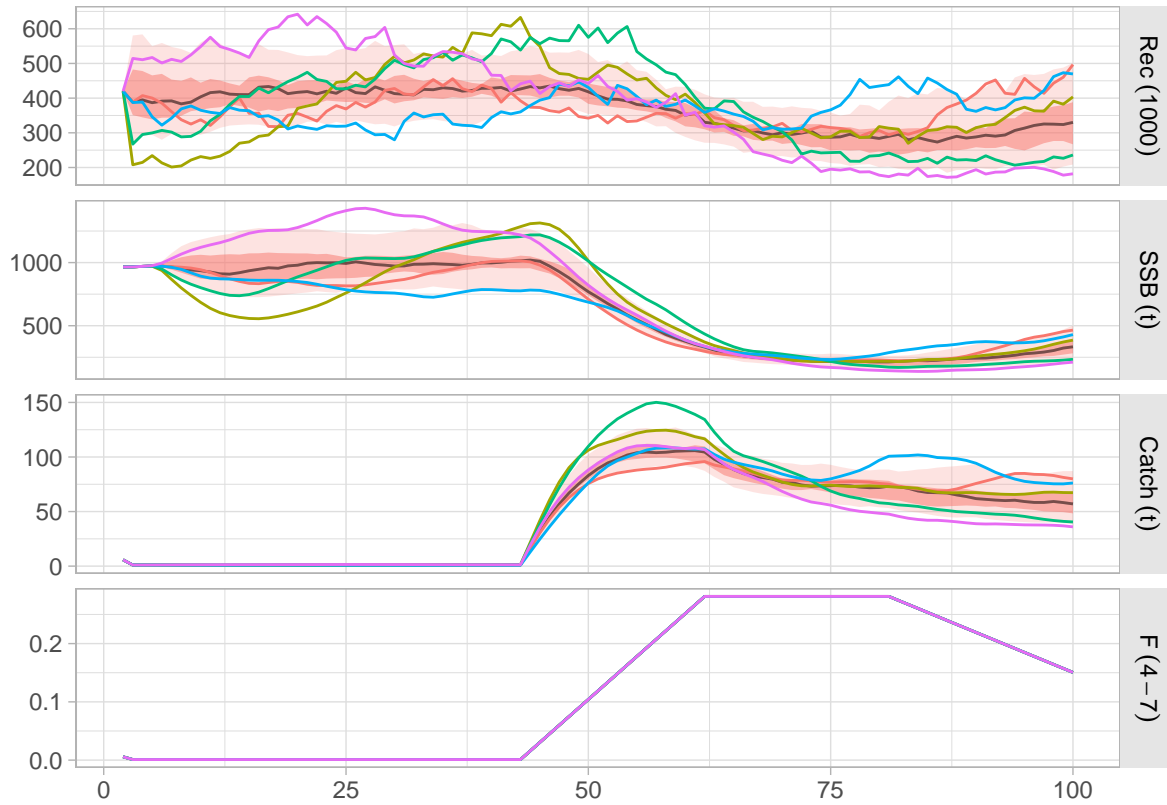


Figure 2: Population time series (recruitment, SSB, catch and F) for a single operating model (Scenario No. 1, random walk recruitment deviances, Beverton-Holt SRR and *Roller-coaster* F trajectory). Ribbons show the 80% probabilities, red line the median, while coloured lines show five individual realizations.

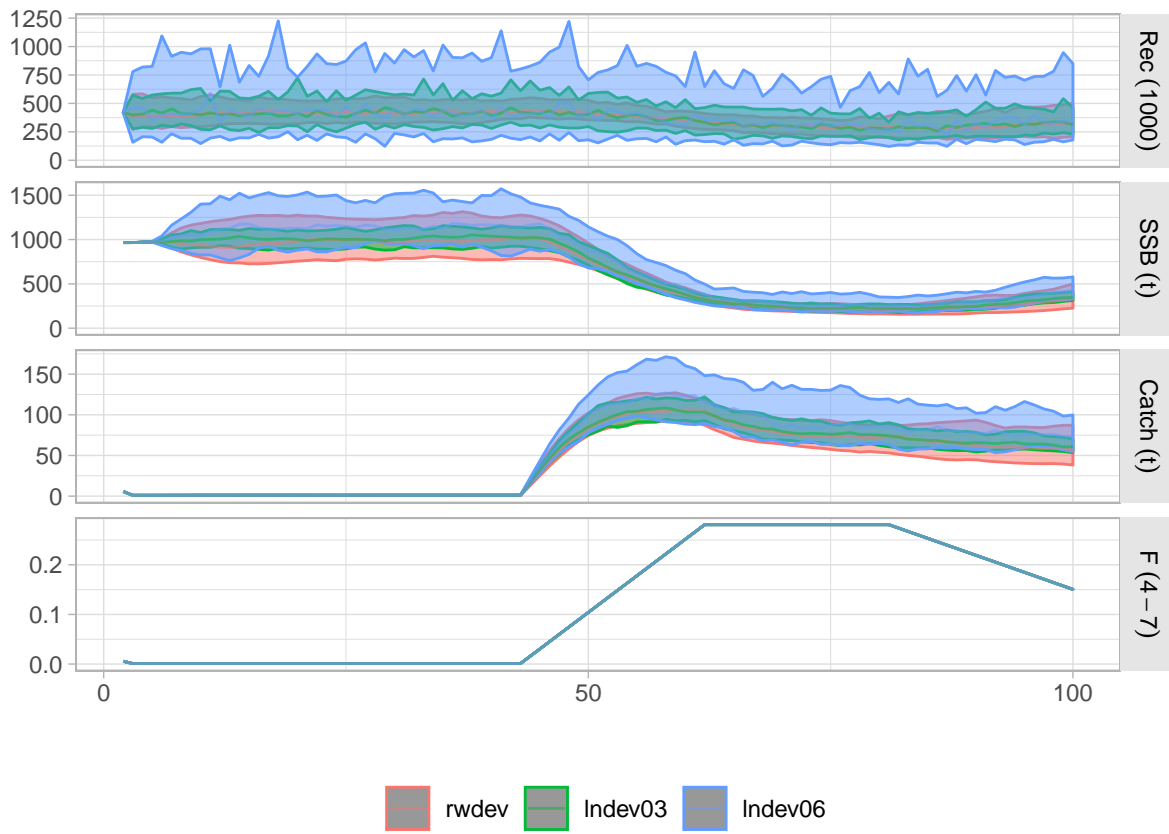


Figure 3: Population time series for the same SRR and F trajectory and the three recruitment deviances.

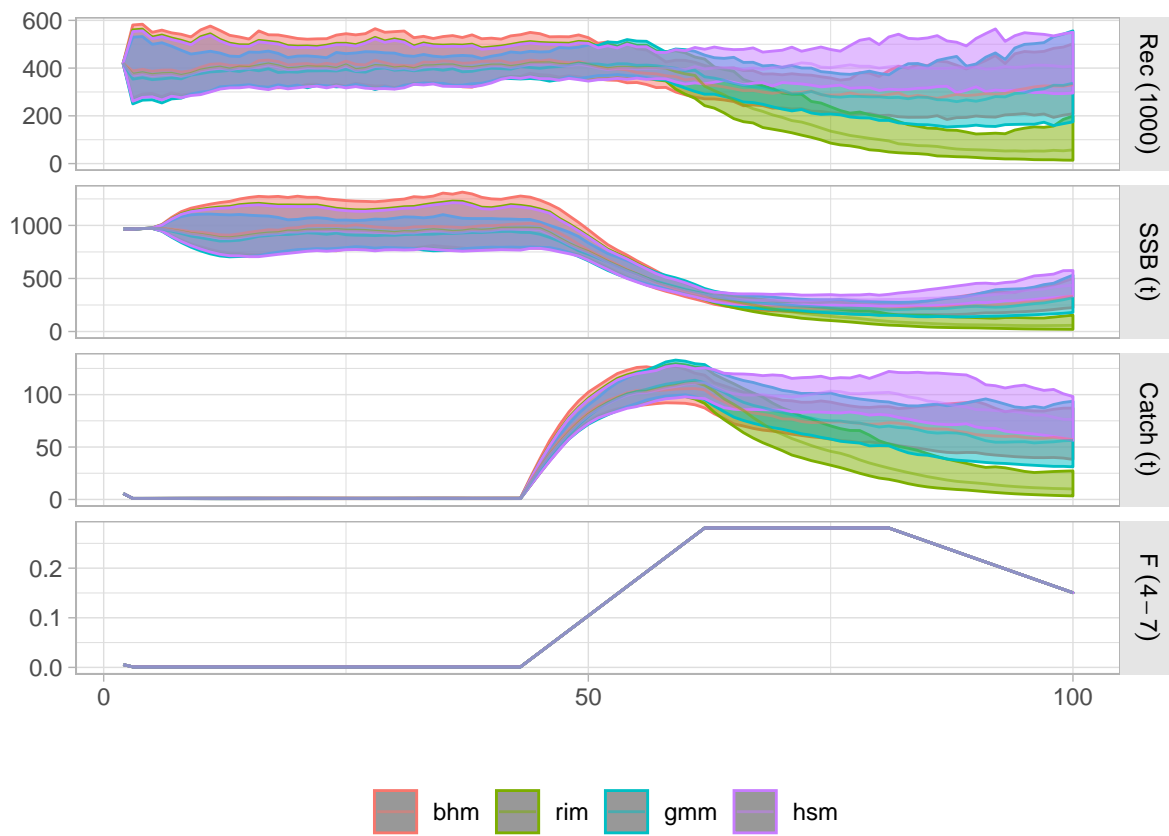


Figure 4: Population time series for the same recruitment deviances and F trajectory and the four SRRs.

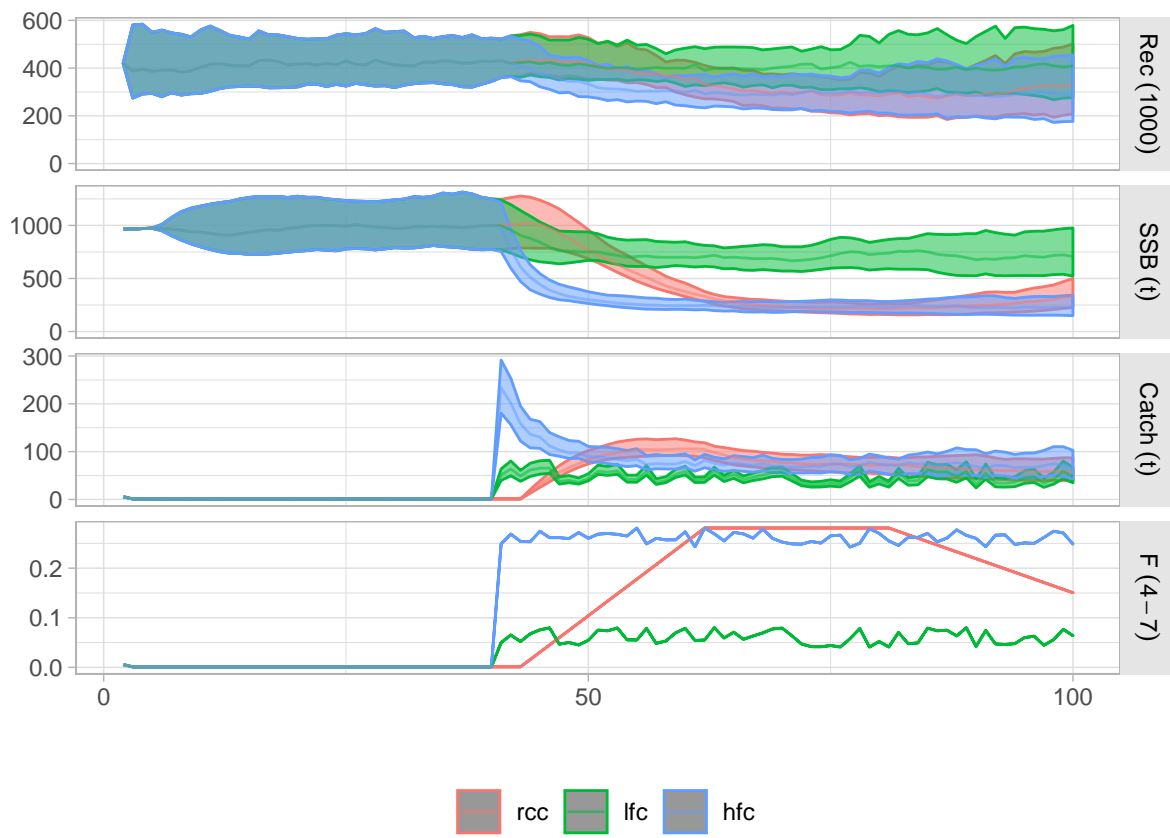


Figure 5: Population time series for the same SRR and recruitment deviances, and three population trajectories.