

Oikos

**o19858**

Ohlberger, J., Otero, J., Edeline, E., Winfield, I. J., Stenseth, N. C. and Vøllestad, L. A. 2013. Biotic and abiotic effects on cohort size distributions in fish. – *Oikos* 122: 835–844.

Appendix A1

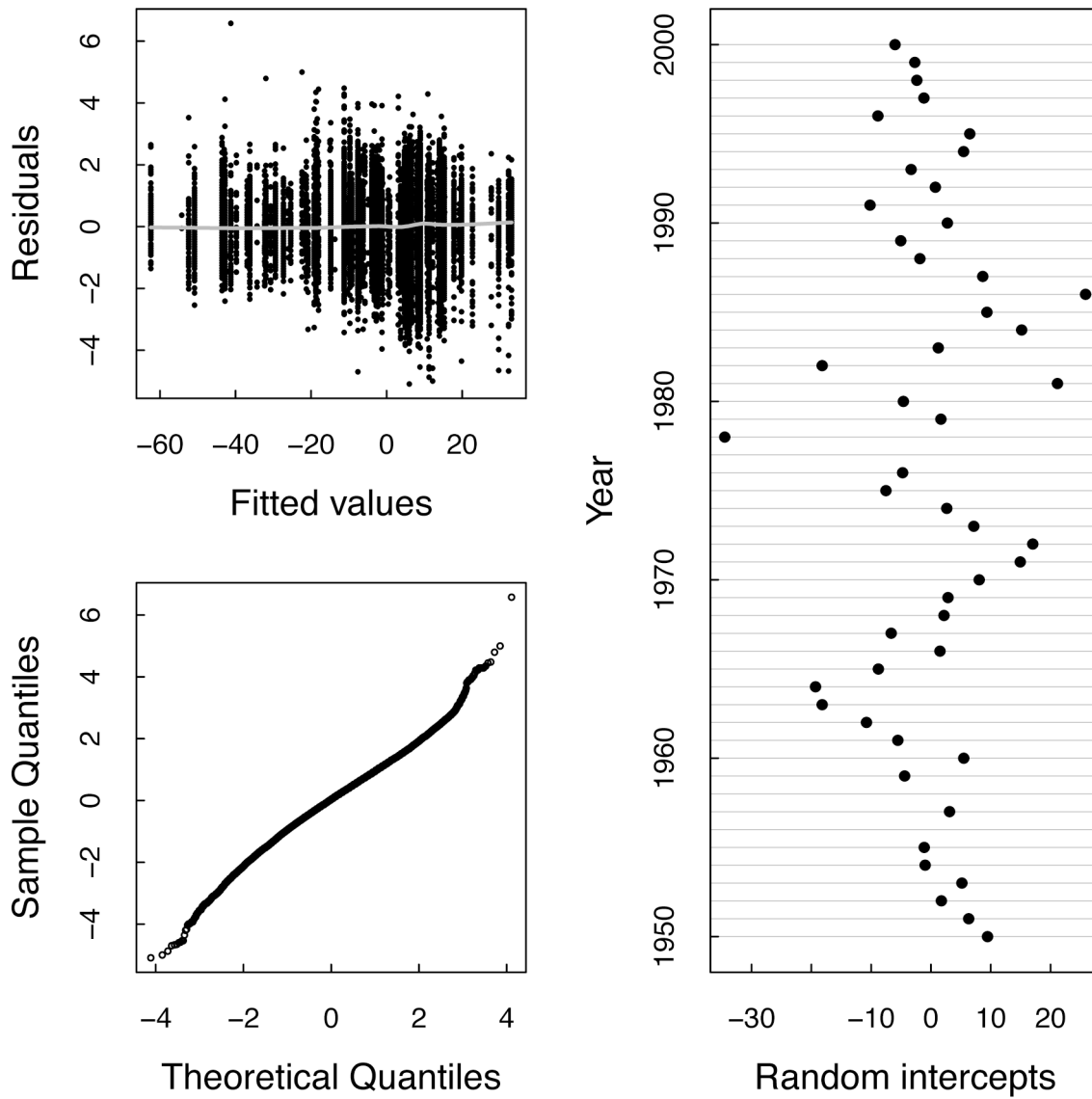


Figure A1. Evaluation plots for the linear mixed effects model of mean and variance. Shown are the normalized residuals versus fitted values (top left), the QQ plot of the sample vs theoretical quantiles (bottom left), and the model random effects, that is, the intercepts for each year (right).

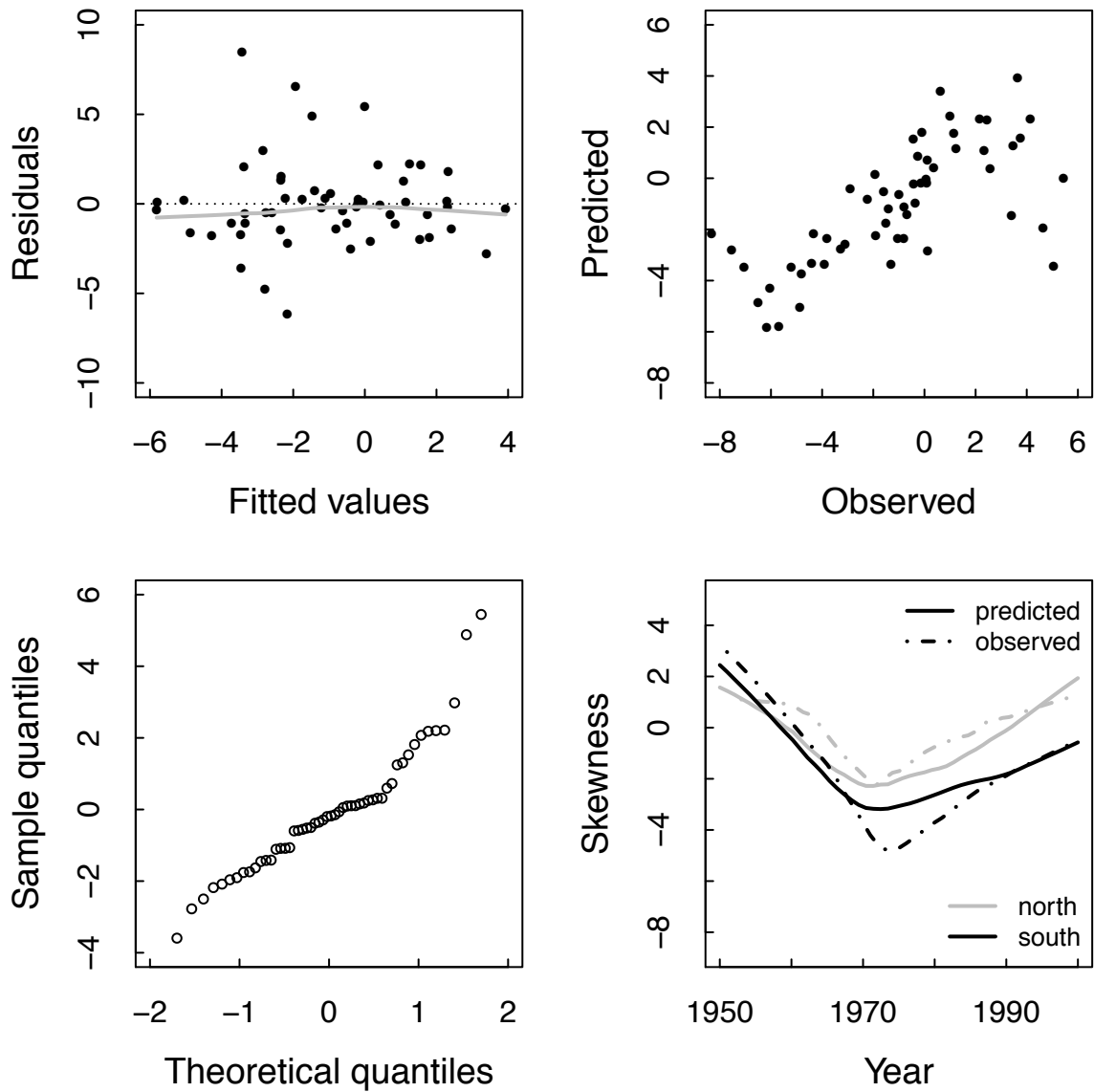


Figure A2. Evaluation plots for the linear skewness model. Shown are the model residuals versus fitted values (top left), the QQ plot of the sample vs theoretical quantiles (bottom left), the predicted versus observed values (top right), and the smoothed time series of predicted and estimated skewness (bottom right) for the north (grey) and south (black) basins.