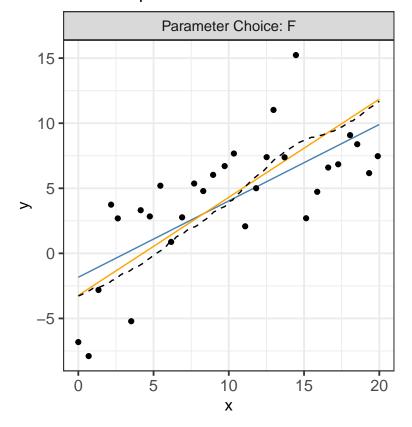
## A. Example



-- Drawn — OLS — PCA

residuals

GAMM fitted trend

OLS

20

## **B. LMER Results**

residuals

LMER fitted trend

OLS

PCA

## C. GAMM Results Parameter Choice: F Parameter Choice: F 5.0 5.0 2.5 2.5 Residual Residual 0.0 -2.5-2.5-5.0-5.010 10 5 15 5 15 20 Ö Ö Χ Individual participant — OLS — PCA Individual participant — OLS — PCA