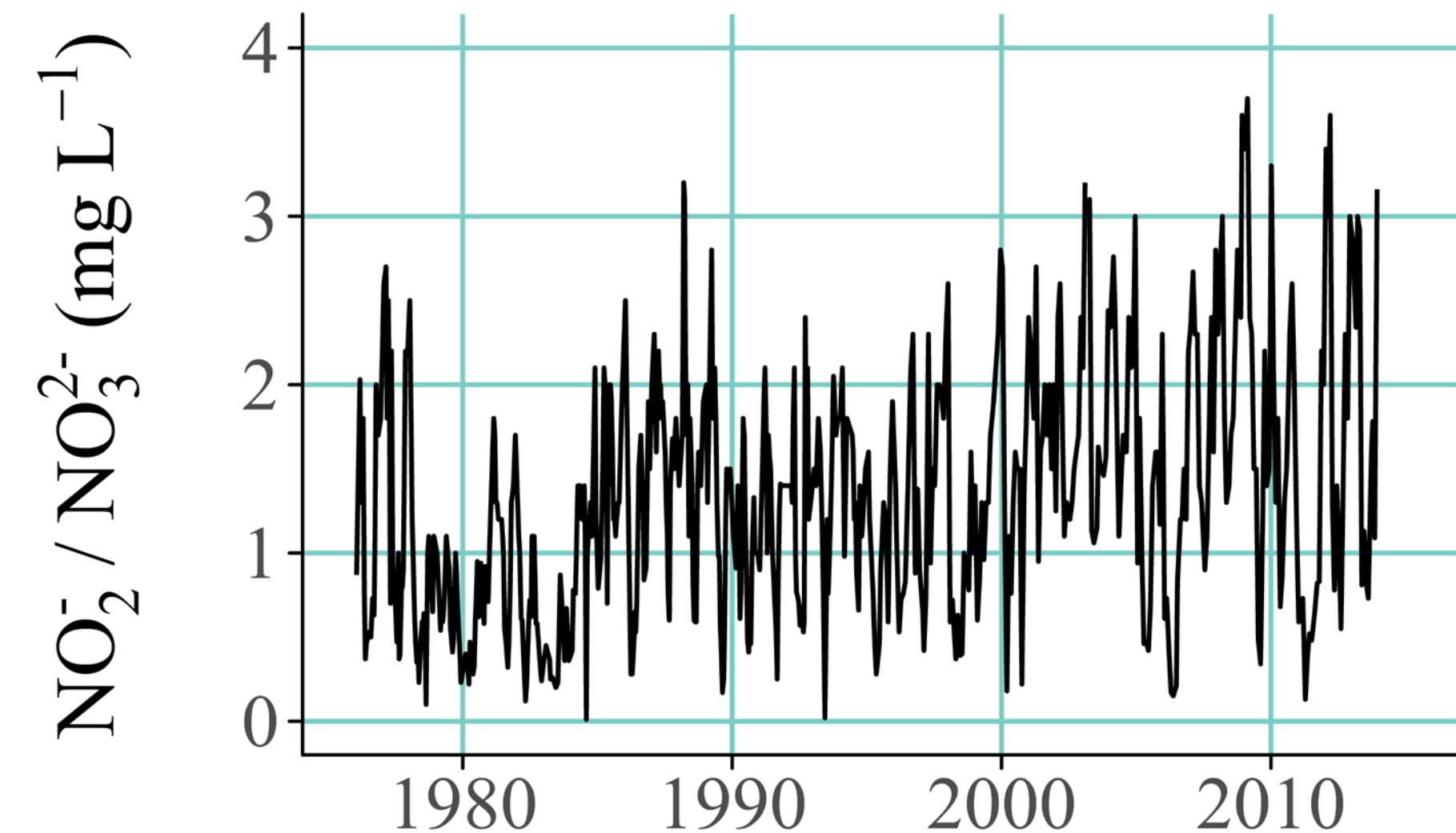
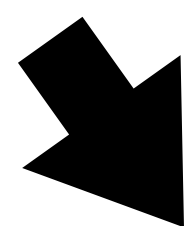
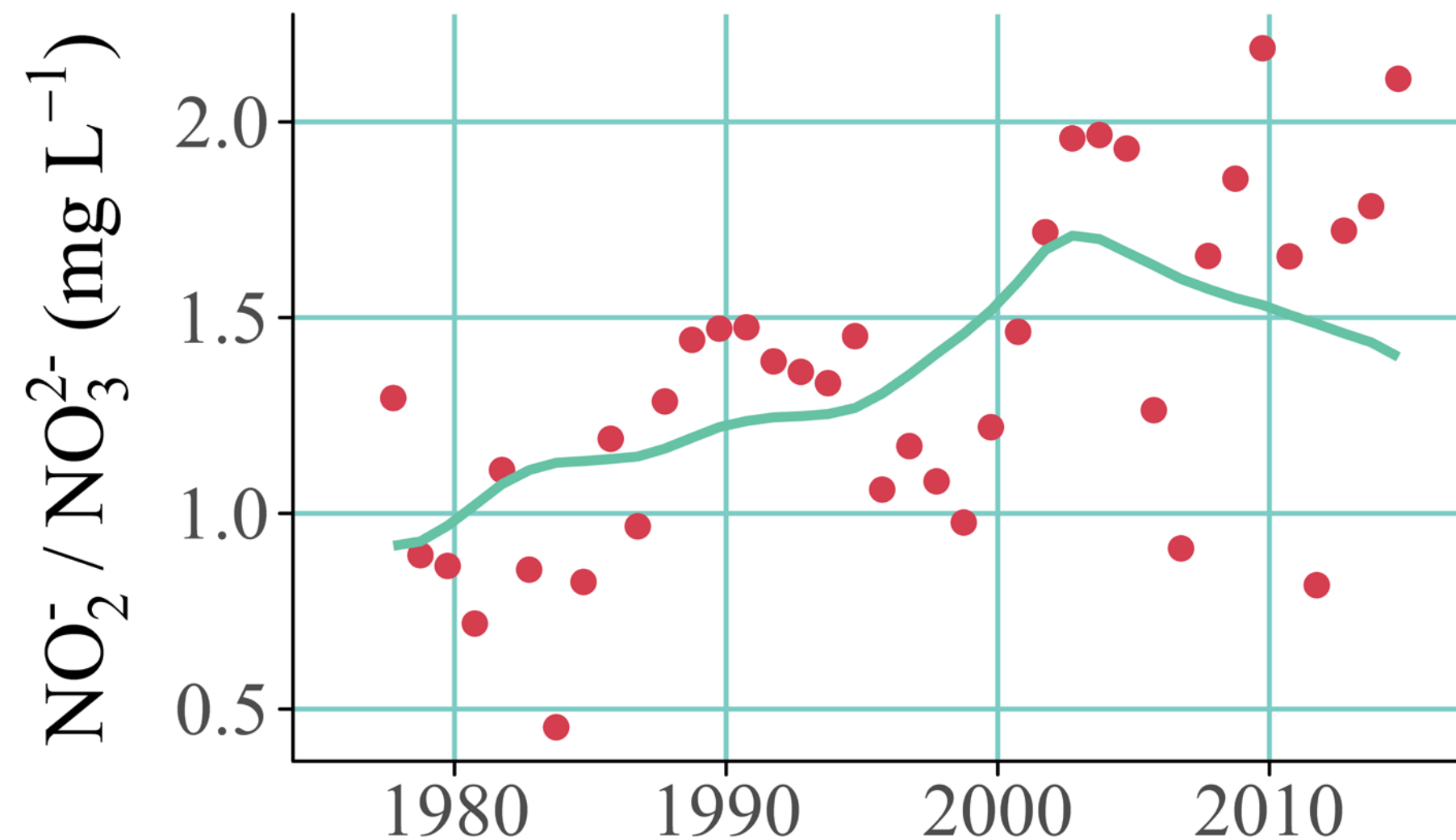


## Observed Nutrient Data



## Annual and Flow-normalized



Model



Predict

$$\ln(N) = \beta_0 + \beta_1 t + \beta_2 \ln(Q) + \beta_3 \sin(2\pi t) + \beta_4 \cos(2\pi t) + \varepsilon$$