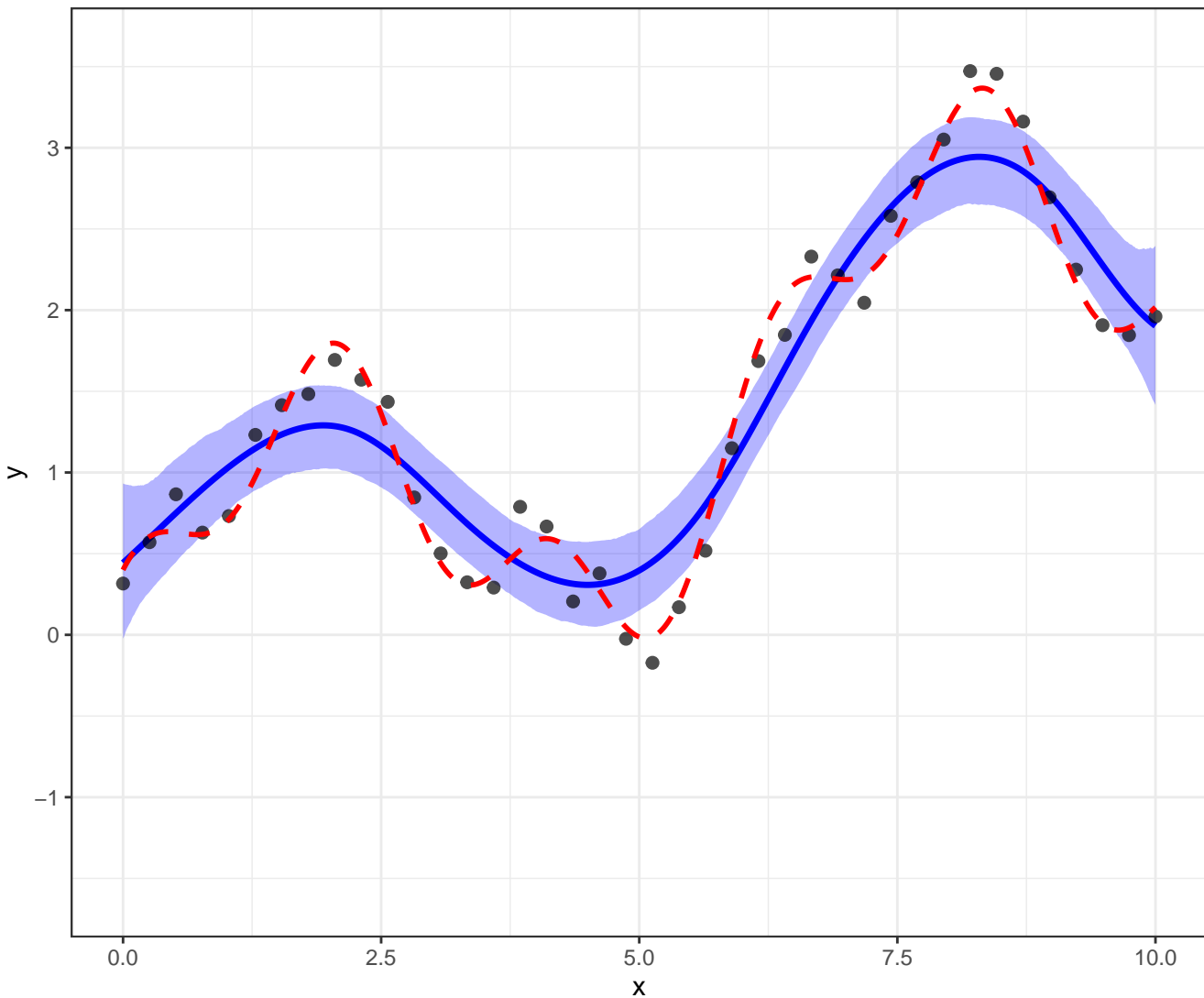


B-spline Fit Demonstrating Key Features

True function: $\sin(x) + 0.4 \cdot \cos(3x) + 0.25 \cdot x$

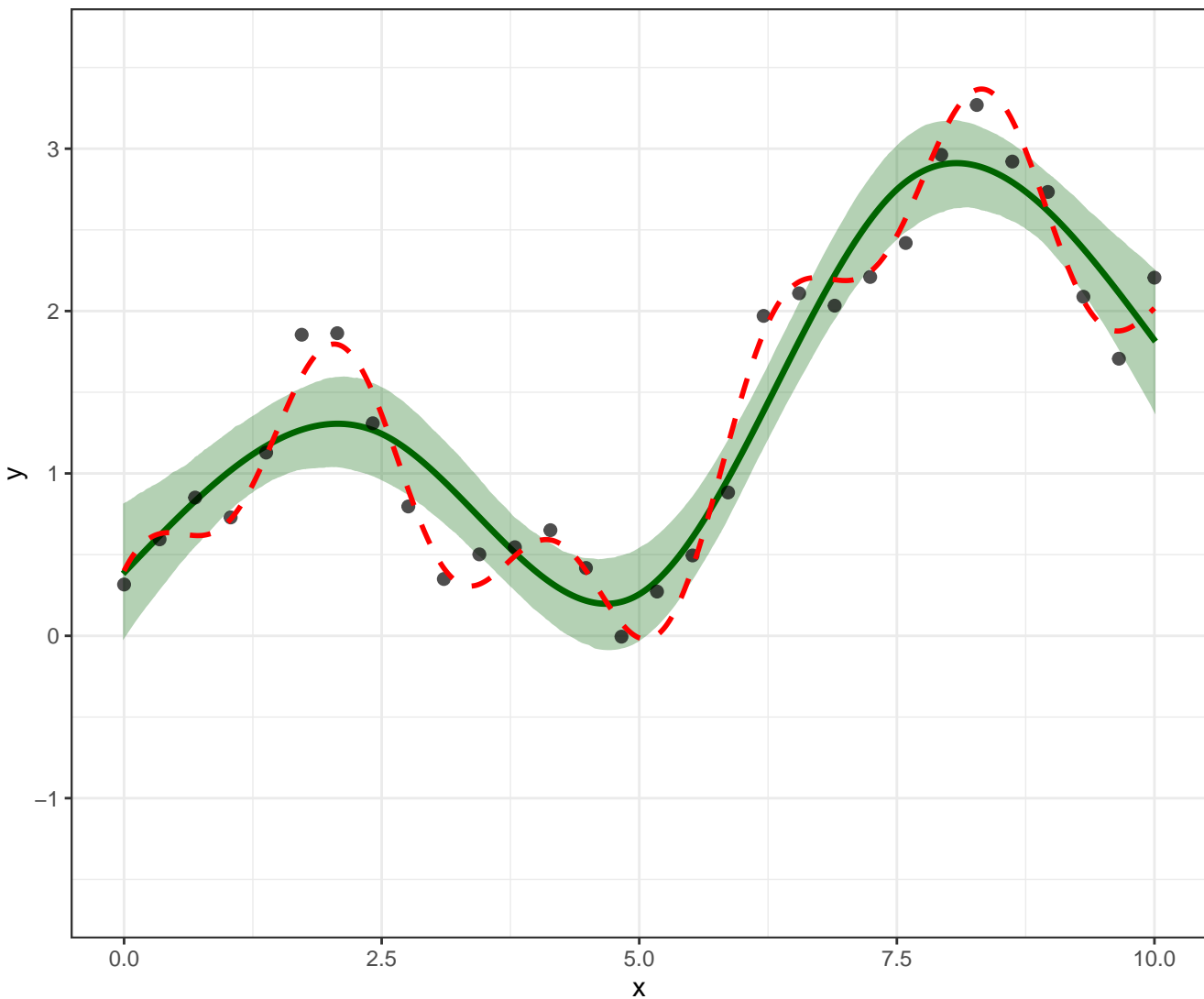


— B-spline fit • Data - True function 95% CI

Parameters: Adaptive knots = 10, Adaptive prior = 2, smoothing_strength = 5, Estimated sigma = 0.329

C-spline (Natural Cubic Spline) Fit with 95% Credible Interval

True function: $\sin(x) + 0.4 \cdot \cos(3x) + 0.25 \cdot x$



— C-spline fit ● Data - - - True function 95% CI

Parameters: num_knots = 5, Estimated sigma = 0.346