B-spline Fit Demonstrating Key Features

True function: sin(x) + 0.4*cos(3x)

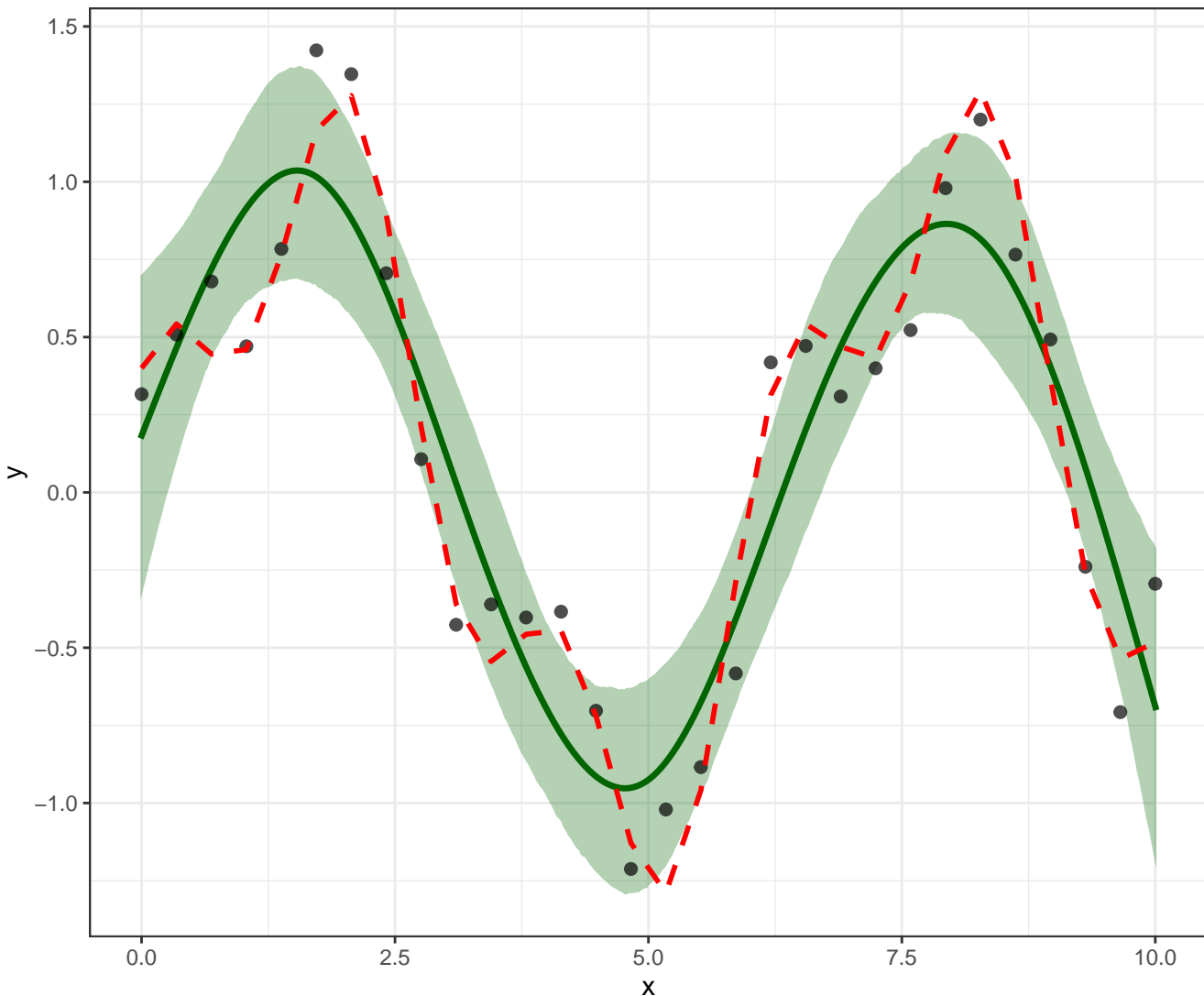Parameters: Adaptive knots = 10, Adaptive prior = 1.5, Smoothing = off, Estimated sigma = 0.249

Legend: B-spline fit — Data (●) — True function (- -) — 95% CI

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

True function: sin(x) + 0.4*cos(3x)
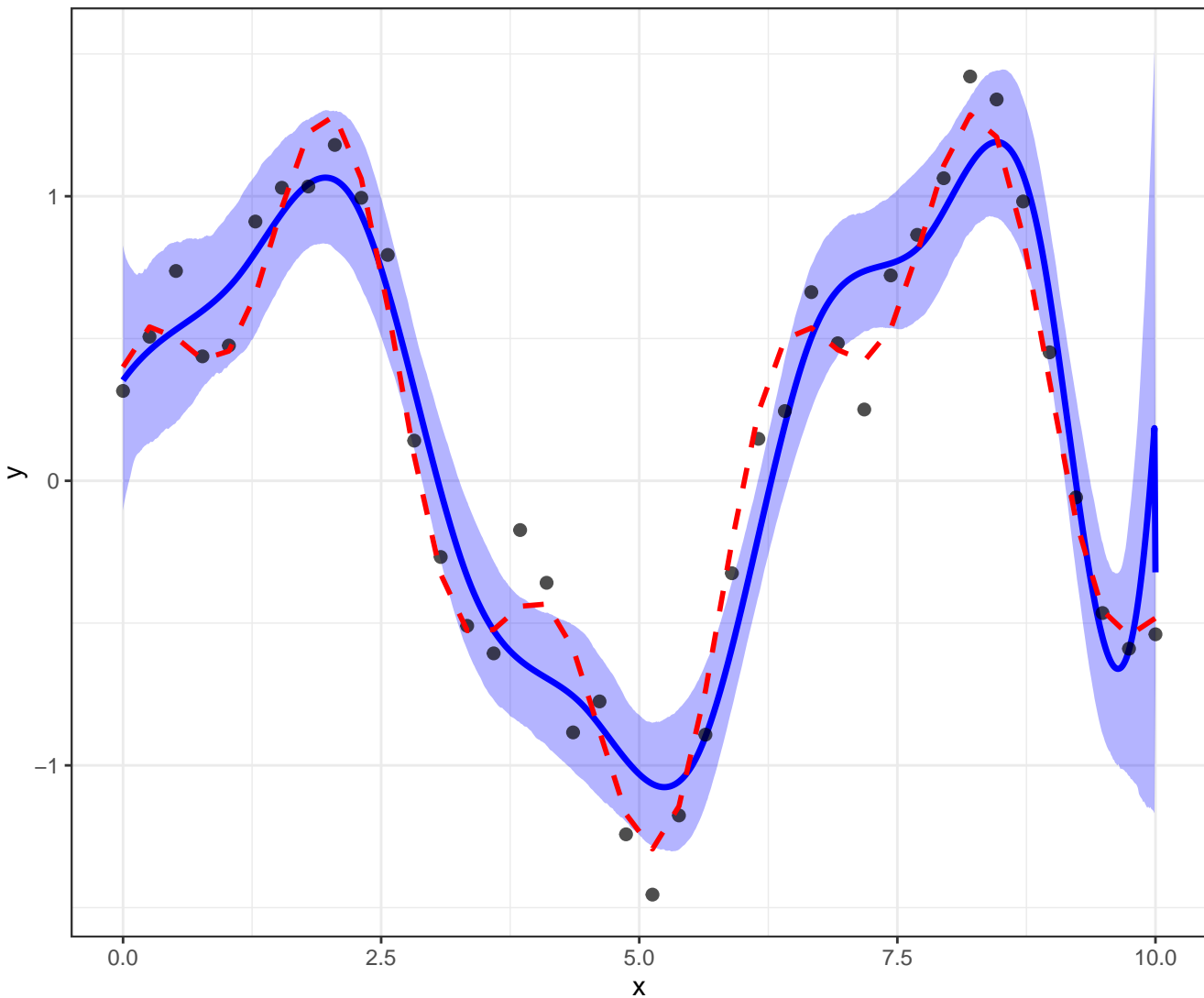
Legend: C−spline fit, Data, True function, 95% CI

Parameters: num_knots = 7