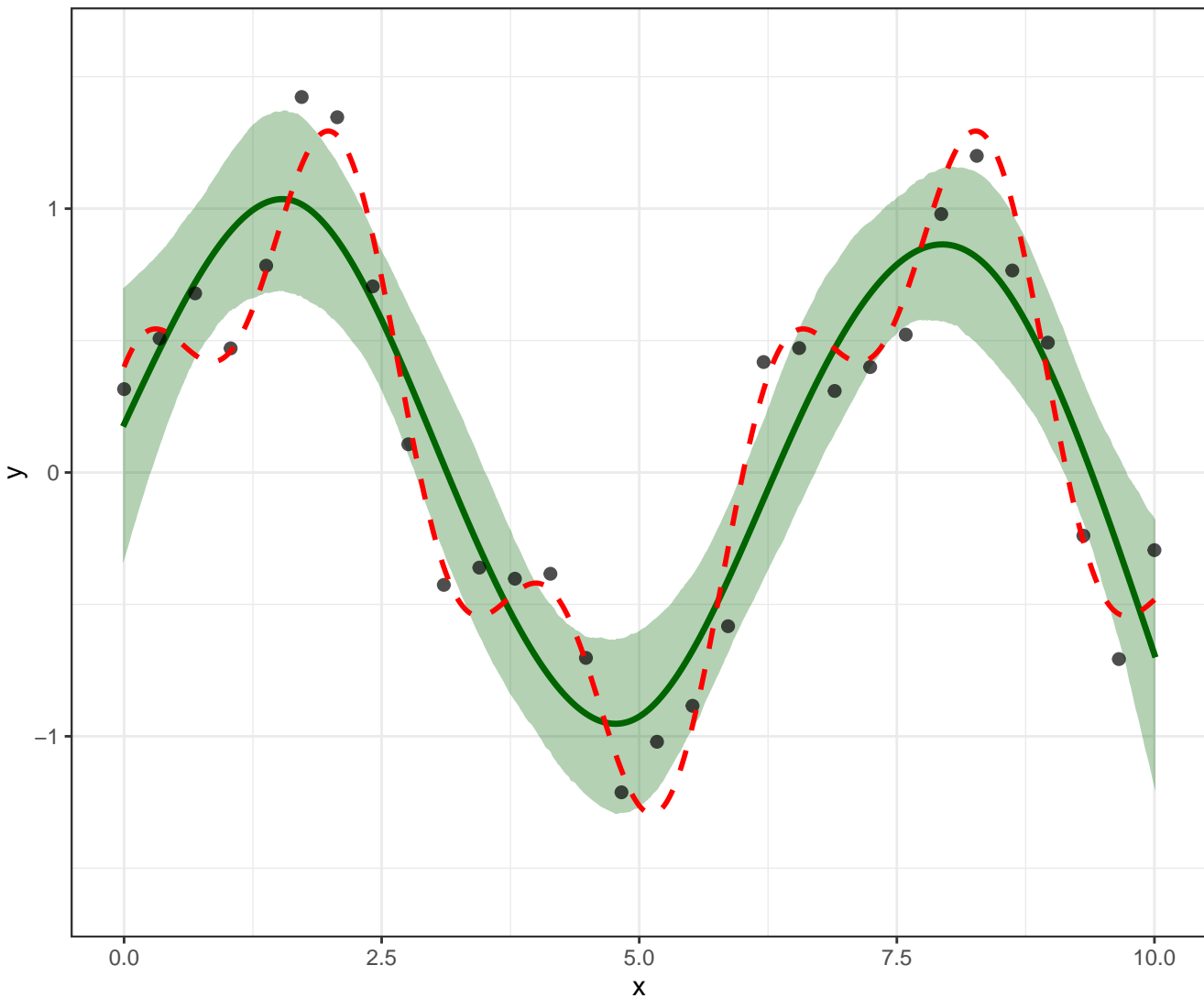C−spline (Natural Cubic Spline) Fit with 95% Credible Interval

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

Legend: C−spline fit — Data — True function — 95% CI

Parameters: num_knots = 7