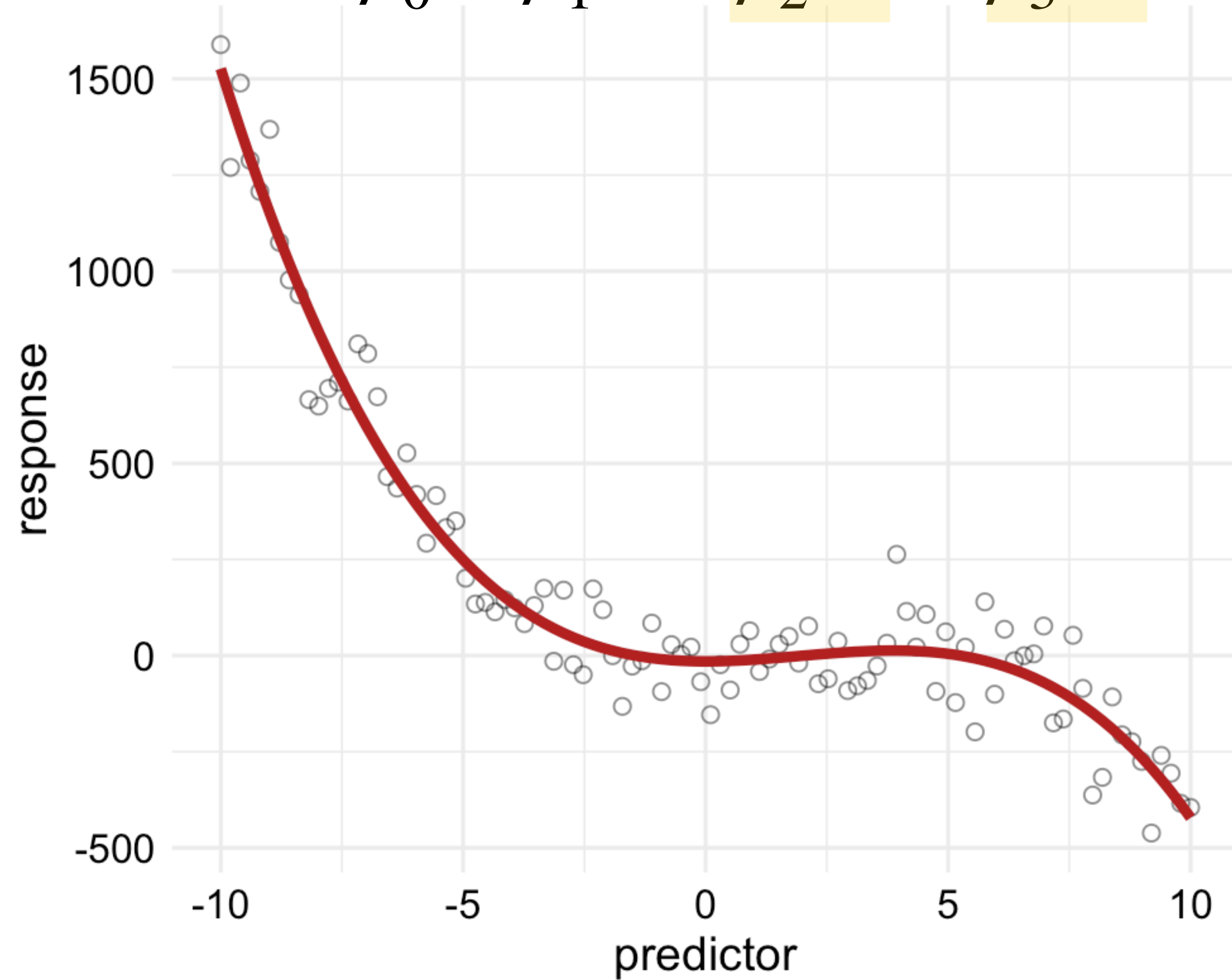# Polynomial Regression Models

$$Y = \beta_0 + \beta_1 X + \beta_2 X^2 + \beta_3 X^3 + \epsilon$$

Polynomial Regression Models

$$Y = \beta_0 + \beta_1 X + \beta_2 X^2 + \beta_3 X^3 + \cdots\cdots + \beta_{20}X^{20} + \epsilon$$