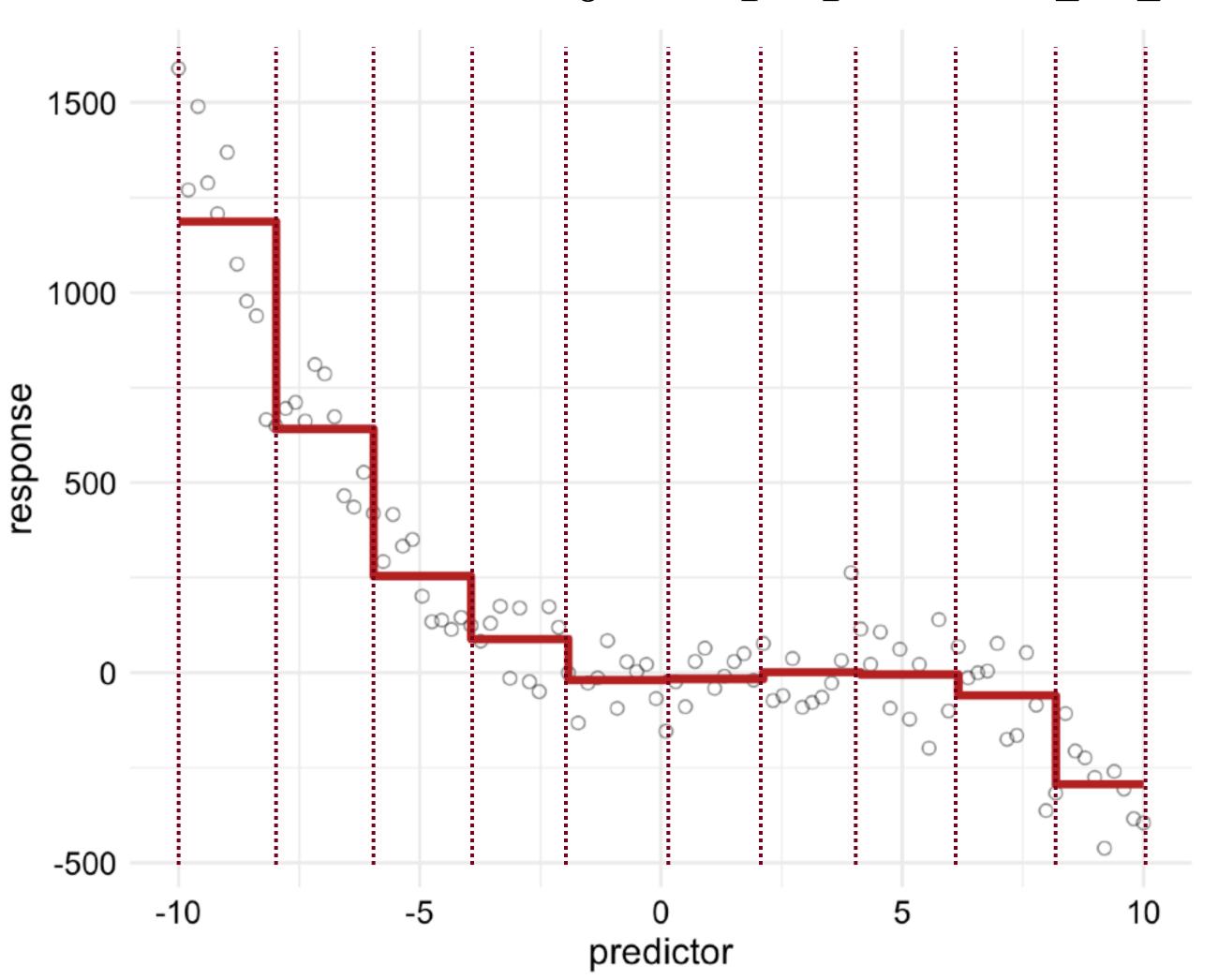
Step Functions

$$Y = \beta_0 + \beta_1 C_1(X) + \beta_2 C_2(X) + \dots + \beta_K C_K(X) + \epsilon$$



$$C_0(X) = I(X \le c_1)$$
 $C_1(X) = I(c_1 < X < c_2)$
 \vdots
 $C_{K-1}(X) = I(c_{K-1} < X < c_K)$
 $C_K(X) = I(c_K < X)$

where $I(\cdot)$ is an indicator function

Step Functions

Example: Wage (ISLR2)

