Quiz

Model Development

1. If the predicted function is: 1 point

$$\hat{y} = b_0 + b_1 x_1 + b_2 x_2 + b_3 x_3 + b_4 x_4$$

The method is:

- ○ Polynomial Regression
- ◉ Multiple Linear Regression

2. What is the maximum value of **R^2** that can be obtained? 1 point

- ○ 10
- ○ 0
- ◉ 1

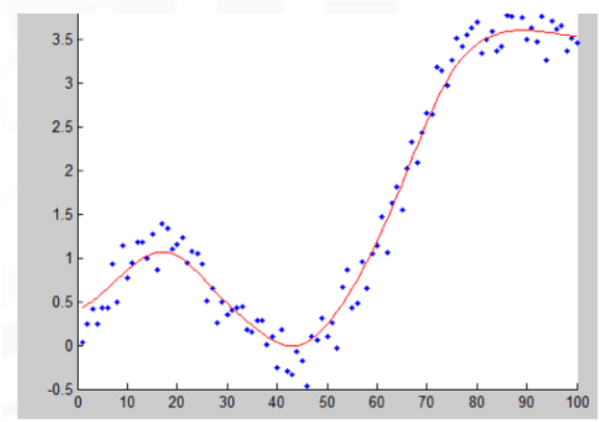
3. We create a polynomial feature as follows "**PolynomialFeatures(degree=2)**"; what is the order of the polynomial? 1 point

- ○ 0
- ○ 1
- ◉ 2

4. What value of **R^2** (coefficient of determination) indicates your model performs best? 1 point

- ○ -1
- ◉ 1
- ○ 0

5. Consider the plot of one independent and one dependent variable. This is an example of what? 1 point



- ○ Multiple Linear Regression
- ◉ Polynomial Regression
- ○ Linear Regression

6. Consider the following equation: 1 point

$$y = b_0 + b_1 x$$

The variable **y** is what?

- ○ The predictor or independent variable
- ○ The intercept
- ◉ The target or dependent variable