Graded Quiz: Model Development

Latest Submission Grade 60%

1. If the predicted function is: **0 / 1 point**

$$\hat{y} = b_0 + b_1x_1 + b_2x_2 + b_3x_3 + b_4x_4$$

The method is:

Incorrect

2. What steps do the following lines of code perform? **0 / 1 point**

```
1  Input=[('scale',StandardScaler()),('model',LinearRegression())]
2
```

2. What steps do the following lines of code perform? 0 / 1 point

```
Input=[('scale',StandardScaler()),('model',LinearRegression())]

pipe=Pipeline(Input)

pipe.fit(Z,y)

ypipe=pipe.predict(Z)
```

Incorrect

3. If **X** is a dataframe with 100 rows and 5 columns, and **y** is the target with 100 samples, and assuming all the relevant libraries and data have been imported, and the following line of code has been executed: 1 / 1 point

```
LR = LinearRegression()

LR.fit(X, y)

yhat = LR.predict(X)
```

3. If **X** is a dataframe with 100 rows and 5 columns, and **y** is the target with 100 samples, and assuming all the relevant libraries and data have been imported, and the following line of code has been executed: **1 / 1 point**

```
LR = LinearRegression()

LR.fit(X, y)

yhat = LR.predict(X)
```

How many samples does **yhat** contain?

Correct

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

Correct

Correct

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

Correct

5. Consider the following equation: **1 / 1 point**

$$y = b_0 + b_1 x$$

What is the parameter **b_0** (b subscript 0)?

Correct