

✔ Congratulations! You passed!

Grade received 100% To pass 60% or higher

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Graded Quiz: Model Development

Latest Submission Grade 100%

1. What does the following line of code do?

1 / 1 point

```
1 lm = LinearRegression()
```

✔ Correct

2. What steps do the following lines of code perform?

1 / 1 point

```
1 Input=[('scale',StandardScaler()),('model',LinearRegression())]  
2  
3 pipe=Pipeline(Input)  
4  
5 pipe.fit(Z,y)  
6  
7 ypipe=pipe.predict(Z)
```

✔ Correct

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

```
1 LR = LinearRegression()  
2  
3 LR.fit(X, y)  
4  
5 yhat = LR.predict(X)
```

How many samples does **yhat** contain?

✔ Correct

4. What value of **R²** (coefficient of determination) indicates your model performs best?

1 / 1 point

✔ Correct

5. Consider the following equation:

1 / 1 point

$$y = b_0 + b_1 x$$

The variable **y** is what?

✔ Correct