Your grade: 100%

Your latest: **100%** • Your highest: **100%**
To pass you need at least 66%. We keep your highest score.

1. What is the main goal of adding polynomial features to a linear regression? **1 / 1 point**

Remove the linearity of the regression and turn it into a polynomial model.

Capture the relation of the outcome with features of higher order.

Correct! You can find more information in the Polynomial Regression lesson.

Increase the interpretability of a black box model.

Ensure similar results across all folds when using K-fold cross validation.

2. What is the most common sklearn methods to add polynomial features to your data? **1 / 1 point**

Note: polyFeat = PolynomialFeatures(degree)

polyFeat.add and polyFeat.transform

polyFeat.add and polyFeat.fit

polyFeat.fit and polyFeat.transform

Correct! You can find more information in the Polynomial Regression lesson.

polyFeat.transform

3. How can you adjust the standard linear approach to regression when dealing with fundamental problems such as prediction or interpretation? **1 / 1 point**

Create a class instance

Add some non-linear patterns, i.e., polynomial features

> Correct! You can adjust the standard linear approach to regression by adding polynomial features when dealing with fundamental problems such as prediction or interpretation.

Import the transformation method

By transforming the data