



Your grade: 100%

Your latest: **100%** • Your highest: **100%**

To pass you need at least 66%. We keep your highest score.

Next item →

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