## **Input Missing Data**

It is often the case that a dataset contains several missing observations. Scikit-learn implements the **Imputer** module for completing missing values.

## **Generating Higher-Order Polynomial Features**

Scikit-learn has a module called PolynomialFeatures for generating a new dataset containing high-order polynomial and interaction features based off the features in the original dataset. For example, if the original dataset has two dimensions [a, b], the second-degree polynomial transformation of the features will result in  $[1, a, b, a^2, ab, b^2]$ .