Lesson Summary

In this lesson, you have learned how to:

**Identify over-fitting and under-fitting in a predictive model:** Overfitting occurs when a function is too closely fit to the training data points and captures the noise of the data. Underfitting refers to a model that can't model the training data or capture the trend of the data.

**Apply Ridge Regression to linear regression models:** Ridge regression is a regression that is employed in a Multiple regression model when Multicollinearity occurs.

**Tune hyper-parameters of an estimator using Grid search:** Grid search is a time-efficient tuning technique that exhaustively computes the optimum values of hyperparameters performed on specific parameter values of estimators.