

Module 15: Gradient Descent and Optimization

Glossary

Bias Error

The difference between a model's predictions and the actual values

Convexity

A measure of the curvature, or the degree of the curve, where a line drawn between two points will have all points between the two endpoints under the line

Gradient Descent

An algorithm used to find a local minimum/maximum of a given function

Stochastic Gradient Descent

A technique that is an approximation of gradient descent

Variance Error

A model's ability to predict a given data point or value that tells you how widely the data is spread