Introduction

The ultimate goal of Machine Learning is to have data models that can learn and improve over time. In essence machine learning is making inferences on data from previous examples.

For the first section of this course we will review some basic statistics that describe data and cover some useful libraries to manipulate & process them. In the second section we will look at ways to evaluate model performance by choosing the appropriate metric for a given problem.

In the third section we go over how to split a dataset into training and testing sets so we can evaluate whether a model can accurately improve and ultimately describe the underlying relationships in the dataset. Finally, we will go over common issues that can result when our models do not match the size or complexity of the data and common ways to optimize them.

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4. Finally, we will go over common issues that can result when our models do not match the size or complexity of the data and common ways to optimize them