# CHAPTER 7: Resampling, Evaluation, and Hyperparameter Tuning

## **Introduction**

## **Split into Train and Test sets**

## **Cross-Validation**

## **Bias-Variance Trade-off**

## **Evaluation Metrics**

## **Evaluation Metrics for Regression**

## **Evaluation Metrics for Classification**

## **Hyperparameter Tuning**

## **Grid Search**

## **Random Search**

## **Hands-on**

## **Assessment**

## **Program Assessment**

* **Assessment Solutions**